

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055905.D
 Acq On : 30 May 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:50 AM

Quant Time: May 31 05:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	292611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	438421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	159832	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	141137	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.09	98	538342	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	180789	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	88296	44.836	ug/l	96
3) Chloromethane	2.06	50	125970	45.655	ug/l	98
4) Vinyl Chloride	2.18	62	139372	47.358	ug/l	100
5) Bromomethane	2.52	94	79149	42.989	ug/l	100
6) Chloroethane	2.67	64	89371m	50.440	ug/l	
7) Trichlorofluoromethane	3.00	101	189652	49.154	ug/l	99
8) Diethyl Ether	3.40	74	87291	50.478	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	119602	49.659	ug/l	98
10) Methyl Iodide	3.93	142	181658	51.590	ug/l	100
11) Tert butyl alcohol	4.82	59	143804	249.065	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121414	48.789	ug/l	96
13) Acrolein	3.60	56	105791	255.889	ug/l	97
14) Allyl chloride	4.31	41	209781	49.173	ug/l	100
15) Acrylonitrile	4.99	53	360128	271.630	ug/l	100
16) Acetone	3.82	43	342509	257.847	ug/l	98
17) Carbon Disulfide	4.03	76	278670	39.414	ug/l	99
18) Methyl Acetate	4.32	43	157793	58.650	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	430742	51.898	ug/l	98
20) Methylene Chloride	4.54	84	145818	50.688	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	131073	49.026	ug/l	98
22) Diisopropyl ether	5.95	45	440315	53.066	ug/l	100
23) Vinyl Acetate	5.90	43	1855535	260.822	ug/l	100
24) 1,1-Dichloroethane	5.84	63	246574	51.039	ug/l	99
25) 2-Butanone	6.84	43	504091	271.727	ug/l	99
26) 2,2-Dichloropropane	6.82	77	195844	46.841	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	161607	51.811	ug/l	100
28) Bromochloromethane	7.19	49	121427	52.791	ug/l	100
29) Tetrahydrofuran	7.21	42	318338	270.971	ug/l	100
30) Chloroform	7.37	83	251299	52.159	ug/l	98
31) Cyclohexane	7.65	56	219271	48.343	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	210399	48.937	ug/l	99
36) 1,1-Dichloropropene	7.79	75	184131	48.194	ug/l	99
37) Ethyl Acetate	6.93	43	198147	53.660	ug/l	99
38) Carbon Tetrachloride	7.77	117	176995	44.474	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222039	46.931	ug/l	99
40) Benzene	8.04	78	576924	50.103	ug/l	99
41) Methacrylonitrile	7.17	41	93931	50.350	ug/l	97
42) 1,2-Dichloroethane	8.12	62	189768	50.435	ug/l	100
43) Isopropyl Acetate	8.17	43	311283	50.172	ug/l #	91
44) Trichloroethene	8.83	130	160749	50.076	ug/l	100
45) 1,2-Dichloropropane	9.12	63	153234	51.077	ug/l	100
46) Dibromomethane	9.21	93	100794	51.230	ug/l	98
47) Bromodichloromethane	9.40	83	193951	48.075	ug/l	99
48) Methyl methacrylate	9.20	41	154225	53.936	ug/l	98
49) 1,4-Dioxane	9.21	88	64698	1088.805	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	960765	262.198	ug/l	100
52) Toluene	10.16	92	365058	50.409	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	209337	48.611	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236431	49.559	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	149380	51.489	ug/l	98
56) Ethyl methacrylate	10.43	69	228348	50.928	ug/l	98
57) 1,3-Dichloropropane	10.71	76	245121	51.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	427486	249.482	ug/l	99
59) 2-Hexanone	10.75	43	663340	255.183	ug/l	100
60) Dibromochloromethane	10.90	129	159672	47.244	ug/l	100
61) 1,2-Dibromoethane	11.00	107	154926	51.483	ug/l	99
64) Tetrachloroethene	10.63	164	155356	46.973	ug/l	99
65) Chlorobenzene	11.43	112	388958	49.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147956	47.257	ug/l	99
67) Ethyl Benzene	11.51	91	690187	49.028	ug/l	99
68) m/p-Xylenes	11.62	106	521567	98.003	ug/l	100
69) o-Xylene	11.95	106	259109	49.073	ug/l	100
70) Styrene	11.96	104	431017	50.408	ug/l	100
71) Bromoform	12.13	173	113203	42.390	ug/l #	99
73) Isopropylbenzene	12.25	105	679967	55.795	ug/l	100
74) N-amyl acetate	12.07	43	250806	53.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	208703	58.034	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169729m	57.702	ug/l	
77) Bromobenzene	12.53	156	176902	48.121	ug/l	98
78) n-propylbenzene	12.59	91	732751	48.937	ug/l	100
79) 2-Chlorotoluene	12.67	91	443152	55.212	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	561220	54.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57808	45.148	ug/l	94
82) 4-Chlorotoluene	12.77	91	429869	48.840	ug/l	99
83) tert-Butylbenzene	12.99	119	493823	55.730	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	557564	54.345	ug/l	100
85) sec-Butylbenzene	13.17	105	642345	55.655	ug/l	99
86) p-Isopropyltoluene	13.29	119	581066	48.568	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	289492	49.732	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	279371	50.480	ug/l	99
89) n-Butylbenzene	13.61	91	449773	49.065	ug/l	99
90) Hexachloroethane	13.87	117	96115	42.207	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	294980	50.792	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36865	48.294	ug/l	97

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QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	154320	46.462	ug/l	99
94) Hexachlorobutadiene	15.01	225	100488	49.134	ug/l	98
95) Naphthalene	15.13	128	434491	54.520	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	164768	53.671	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

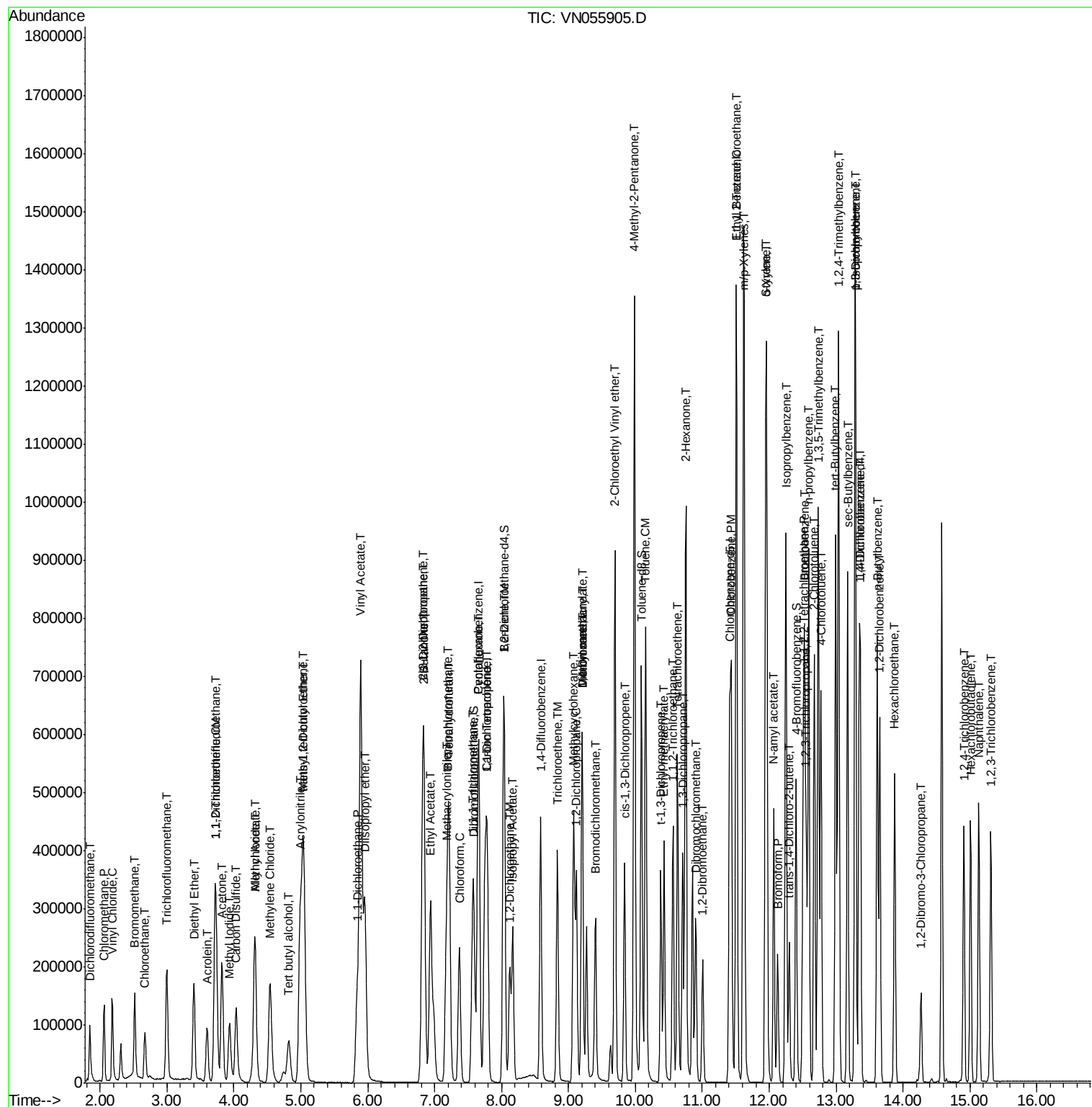
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
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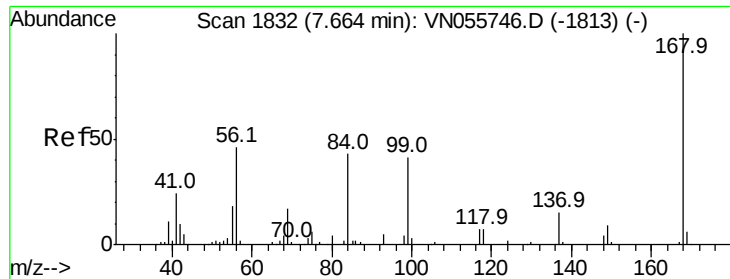
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 292611

Ion Ratio Lower Upper

168 100

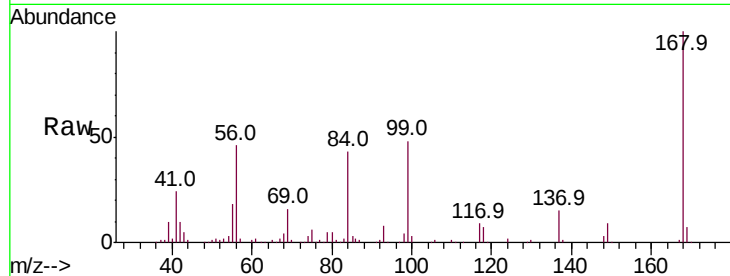
99 47.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

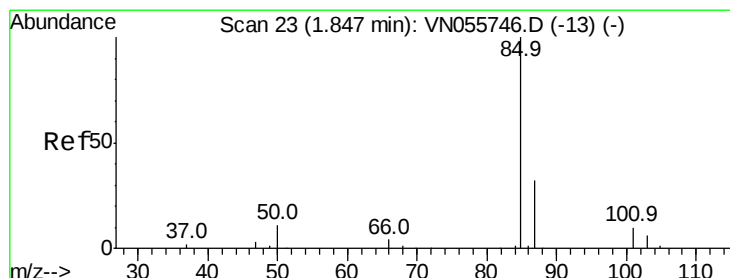
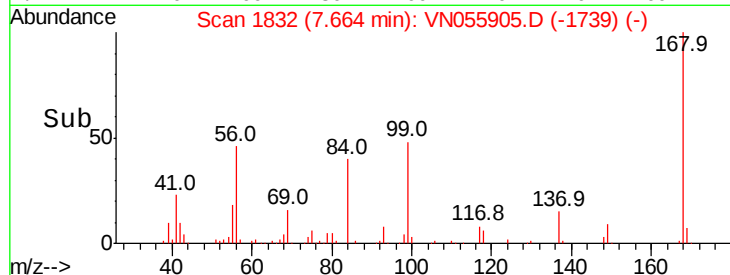
7.66

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 44.836 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055905.D

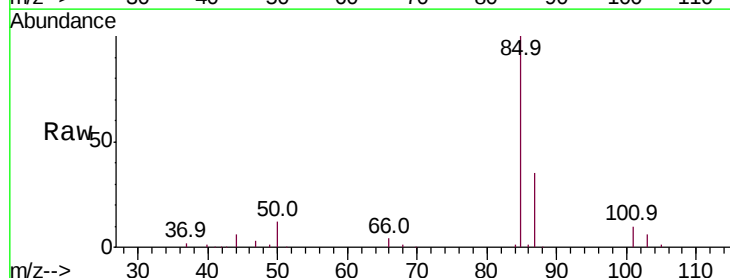
Acq: 30 May 2019 17:29

Tgt Ion: 85 Resp: 88296

Ion Ratio Lower Upper

85 100

87 34.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

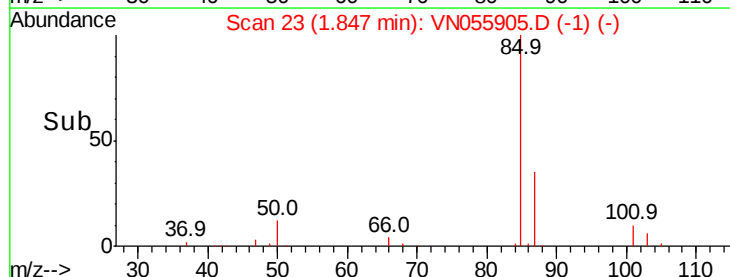
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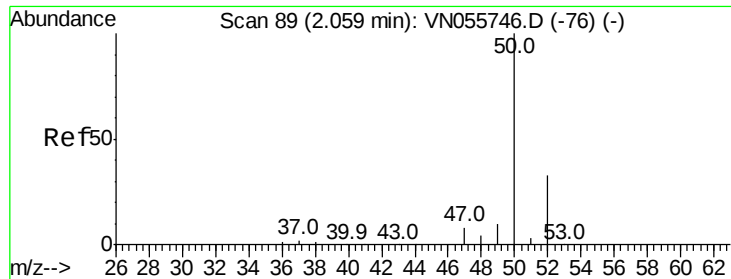
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 45.655 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 125970

Ion Ratio Lower Upper

50 100

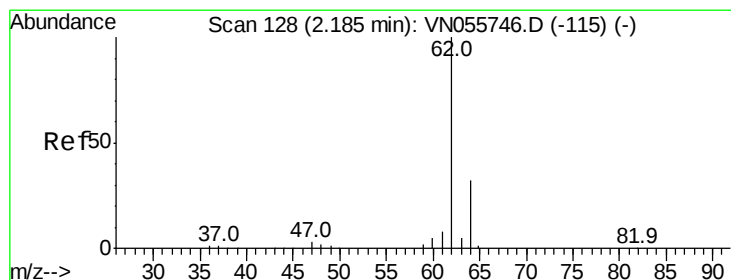
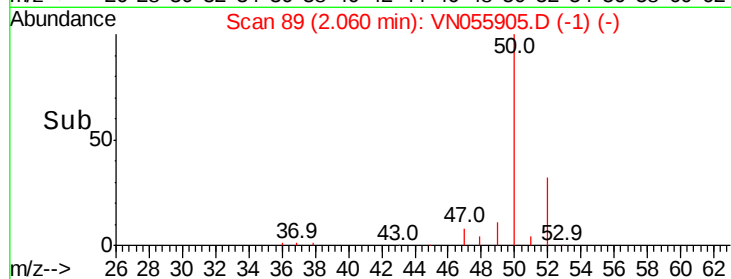
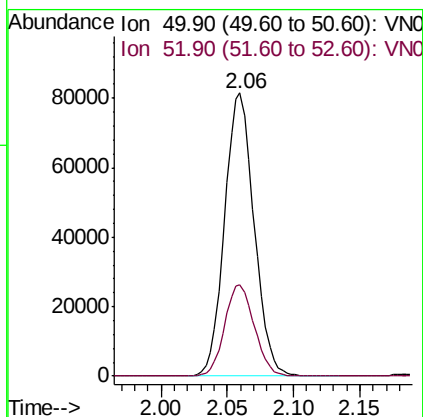
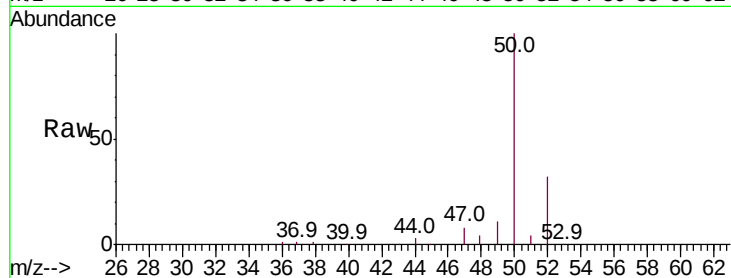
52 32.2 26.6 40.0

Manual Integrations

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5/31/2019 9:38:50 AM



#4

Vinyl Chloride

Concen: 47.358 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055905.D

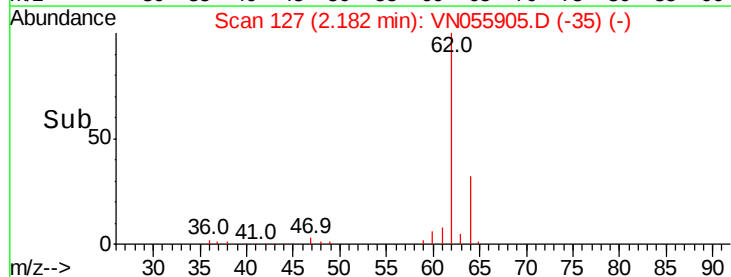
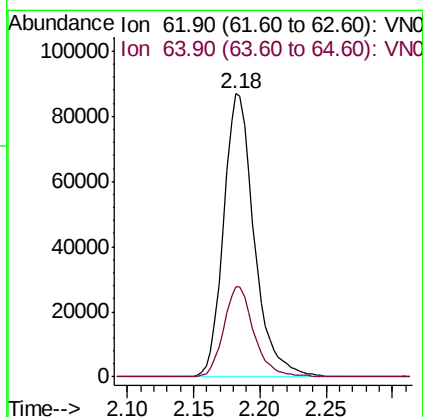
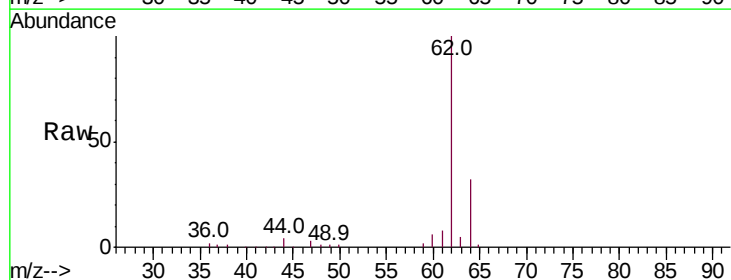
Acq: 30 May 2019 17:29

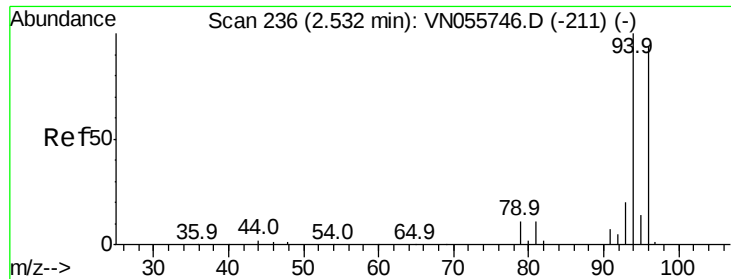
Tgt Ion: 62 Resp: 139372

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 42.989 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79149

Ion Ratio Lower Upper

94 100

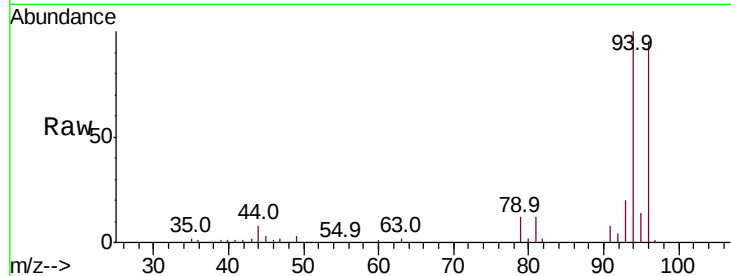
96 94.5 75.5 113.3

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

50000

40000

30000

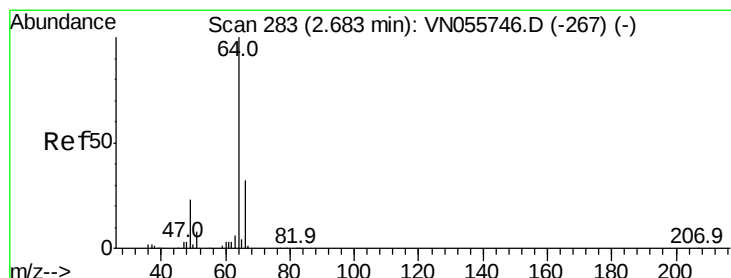
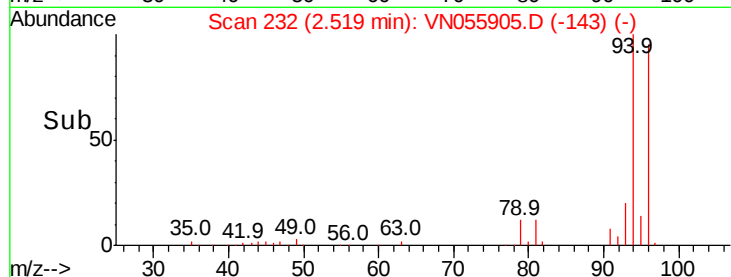
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10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 50.440 ug/l m

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN055905.D

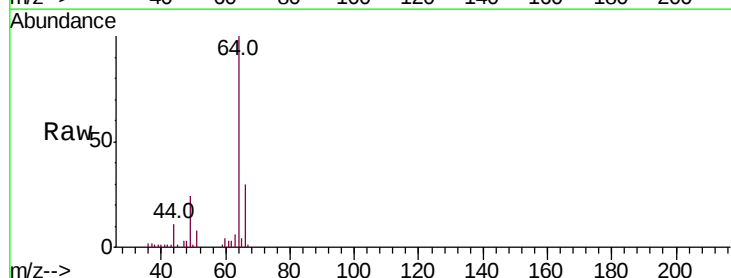
Acq: 30 May 2019 17:29

Tgt Ion: 64 Resp: 89371

Ion Ratio Lower Upper

64 100

66 30.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

40000

30000

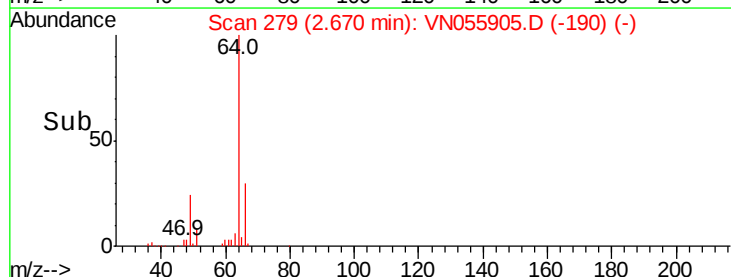
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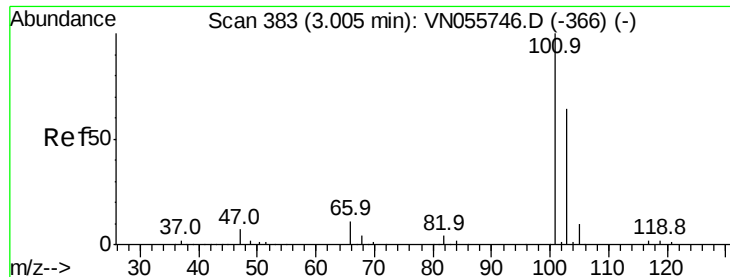
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0

Time-->

2.60 2.70 2.80





#7

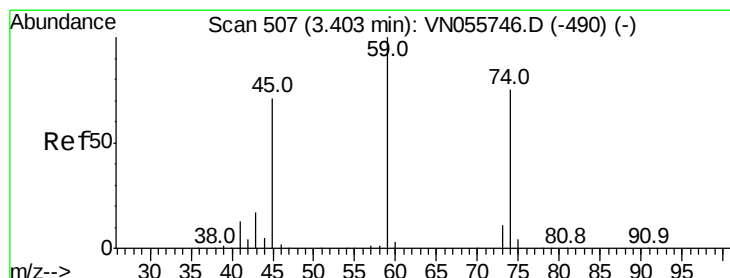
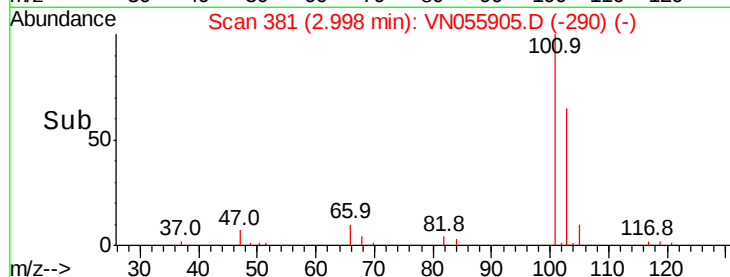
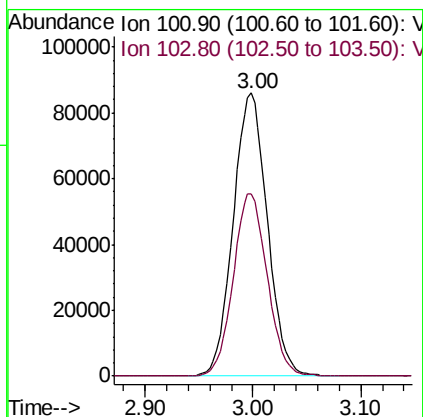
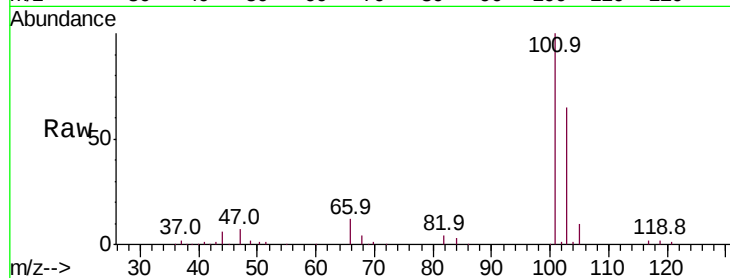
Trichlorofluoromethane
Concen: 49.154 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

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Tot Ion:101 Resp: 189652
Ion Ratio Lower Upper
101 100
103 64.5 51.2 76.8

Manual Integrations
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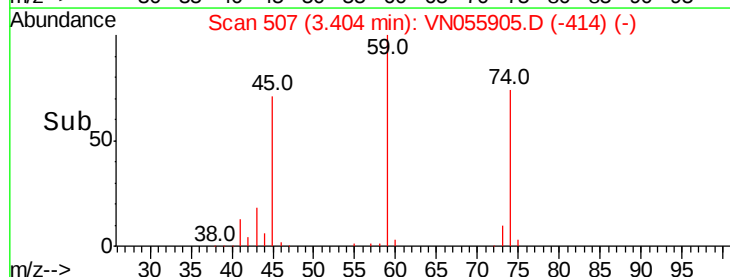
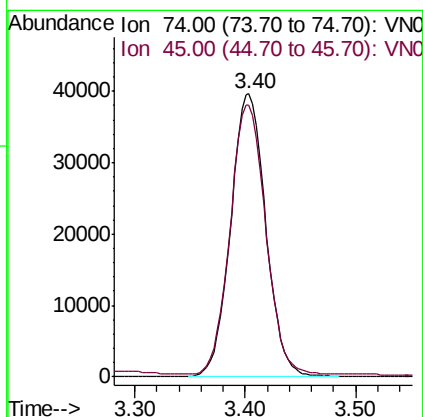
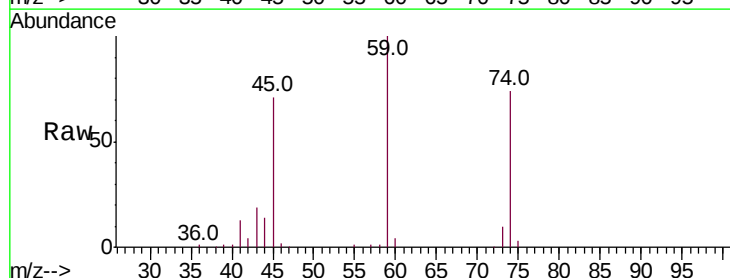
MMDadoda
5/31/2019 9:38:50 AM

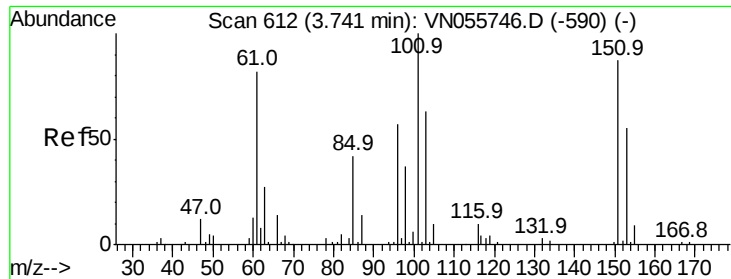


#8

Diethyl Ether
Concen: 50.478 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion: 74 Resp: 87291
Ion Ratio Lower Upper
74 100
45 96.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.659 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

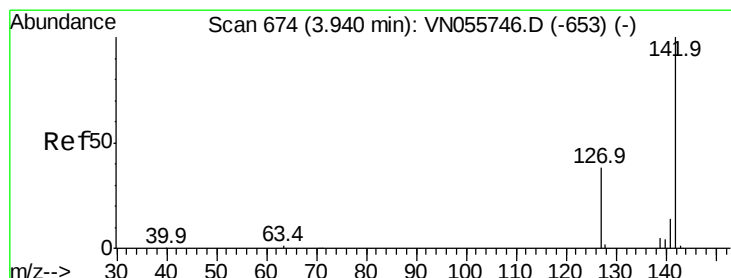
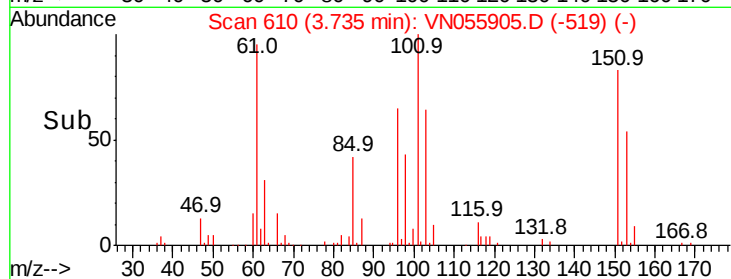
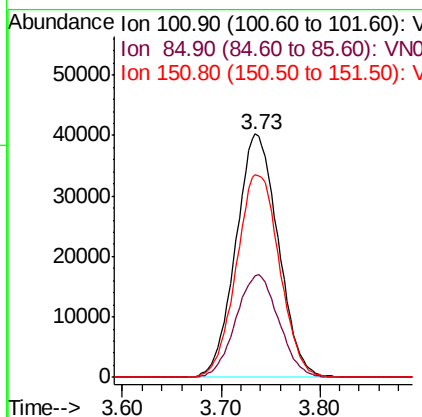
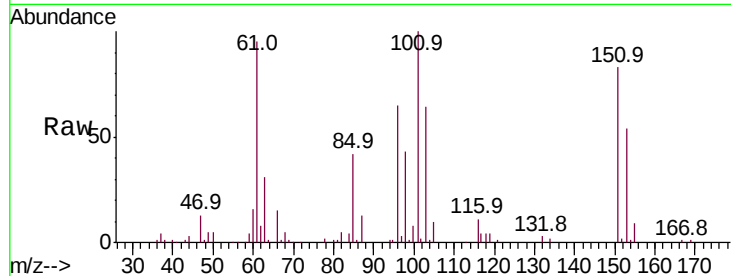
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119602
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.4	50.2
151	84.9	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 51.590 ug/l

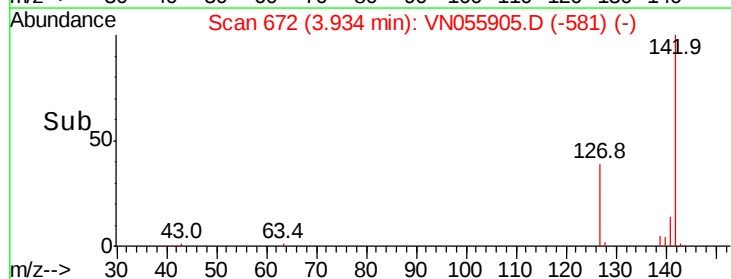
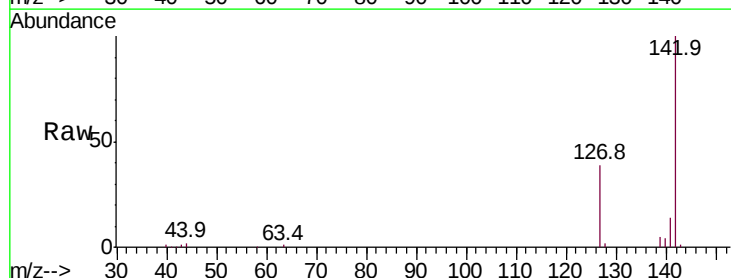
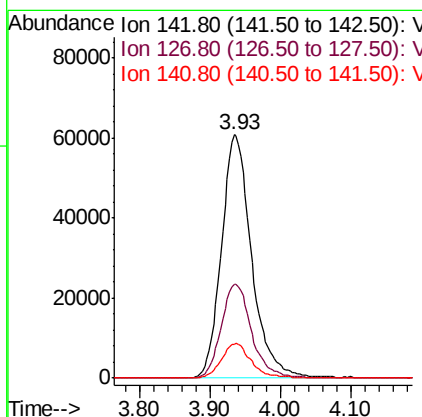
RT: 3.93 min Scan# 672

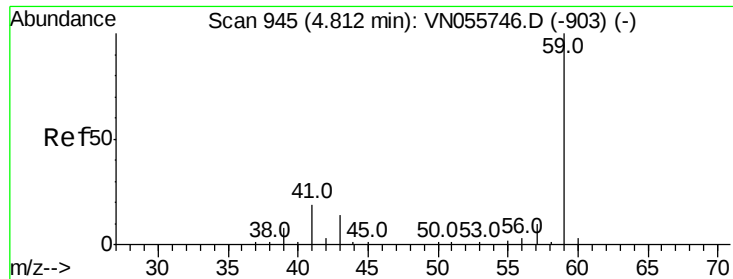
Delta R.T. -0.01 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion:	142	Resp:	181658
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.1	11.4	17.0





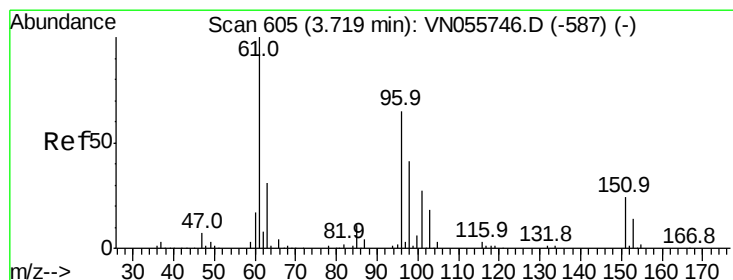
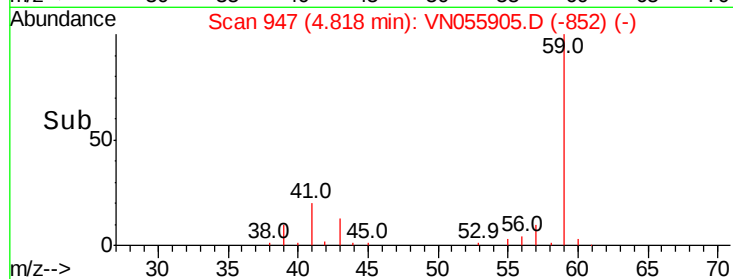
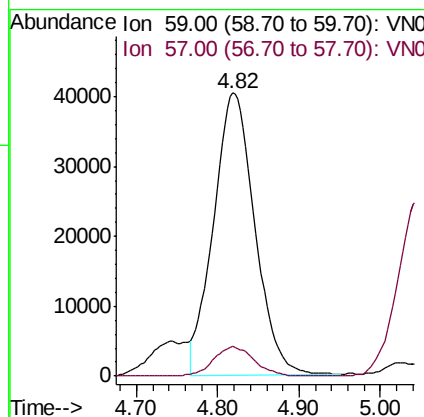
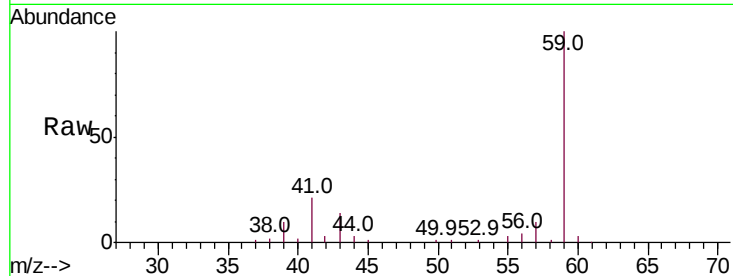
#11
Tert butyl alcohol
Concen: 249.065 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 143804
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.6

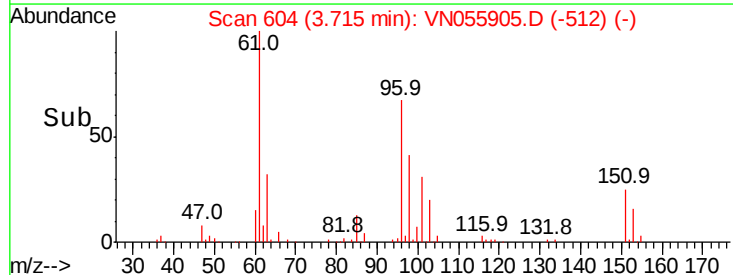
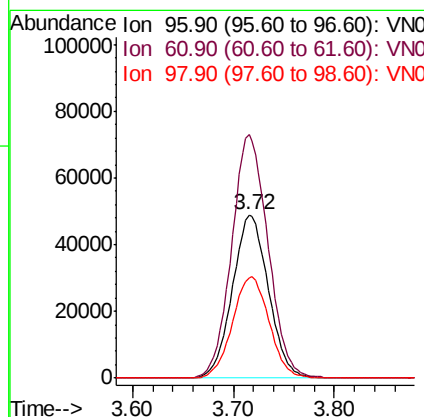
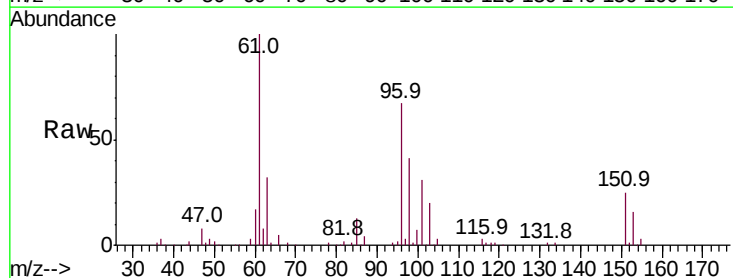
Manual Integrations
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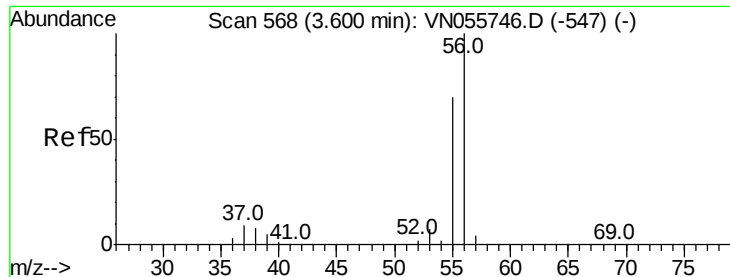
MMDadoda
5/31/2019 9:38:50 AM



#12
1,1-Dichloroethene
Concen: 48.789 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion: 96 Resp: 121414
Ion Ratio Lower Upper
96 100
61 148.5 123.2 184.8
98 61.4 50.4 75.6





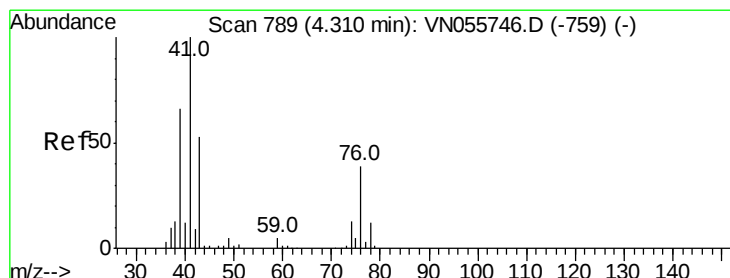
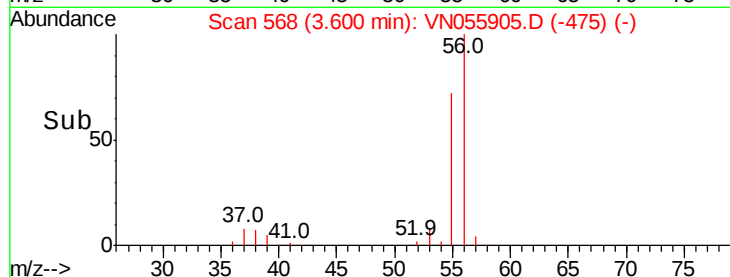
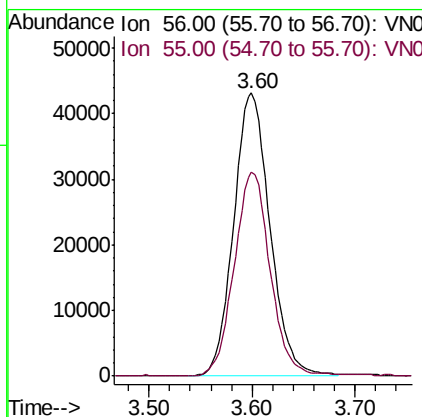
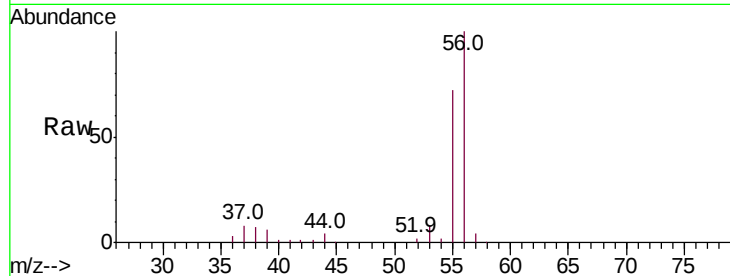
#13
Acrolein
Concen: 255.889 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	105791
Ion Ratio	Lower	Upper	
56	100		
55	71.7	55.4	83.2

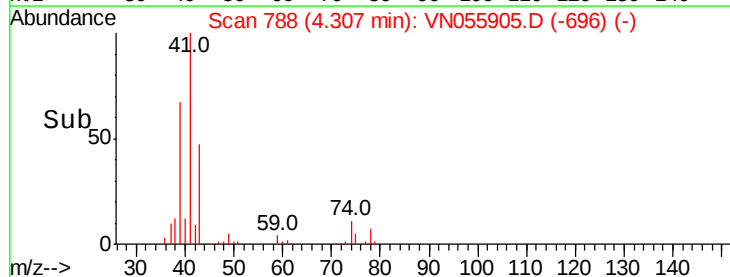
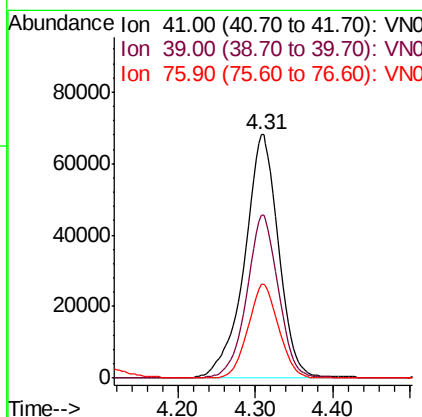
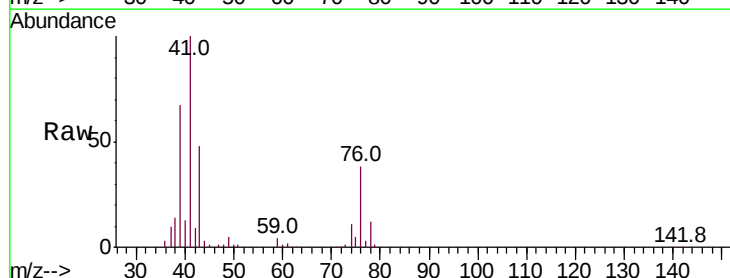
Manual Integrations
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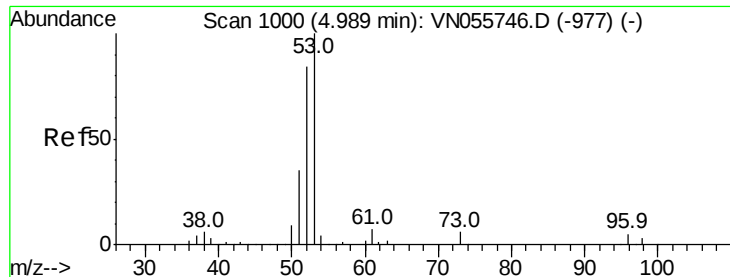
MMDadoda
5/31/2019 9:38:50 AM



#14
Allyl chloride
Concen: 49.173 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	41	Resp	209781
Ion Ratio	Lower	Upper	
41	100		
39	62.5	50.0	75.0
76	34.6	28.2	42.2





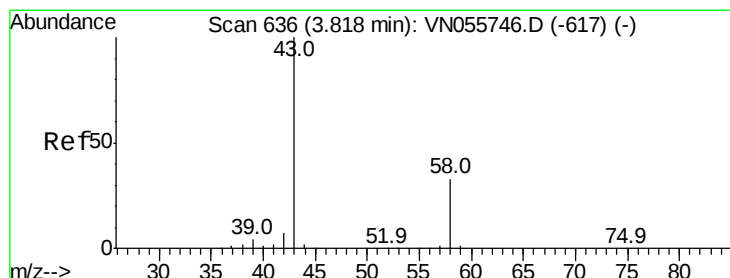
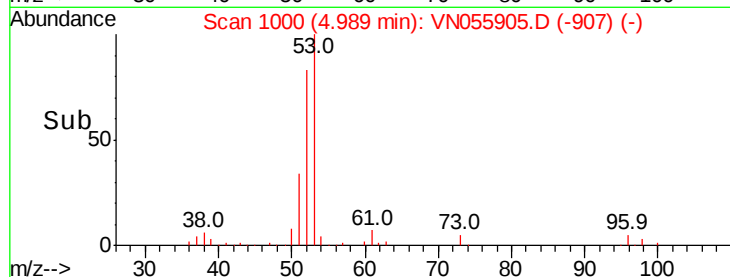
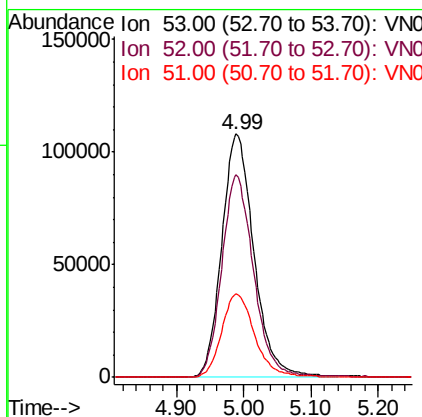
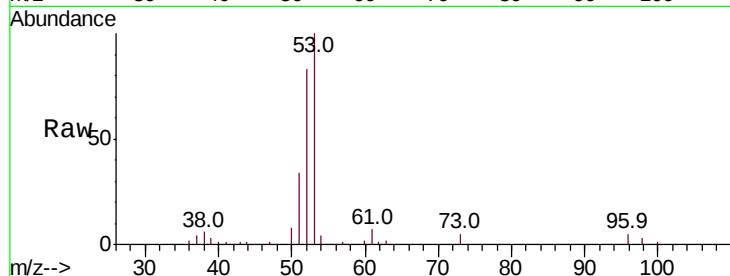
#15
 Acrylonitrile
 Concen: 271.630 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.5	28.2	42.4

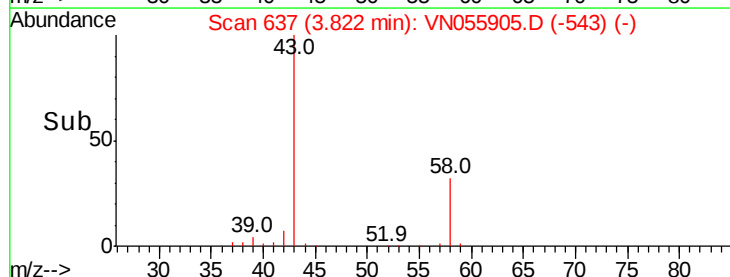
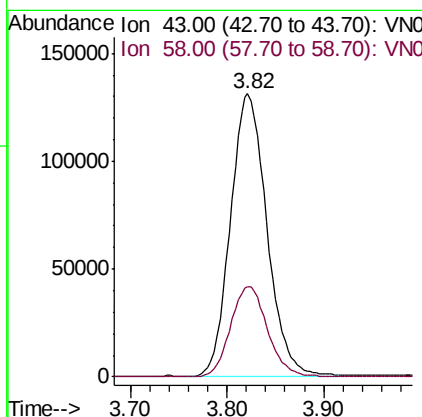
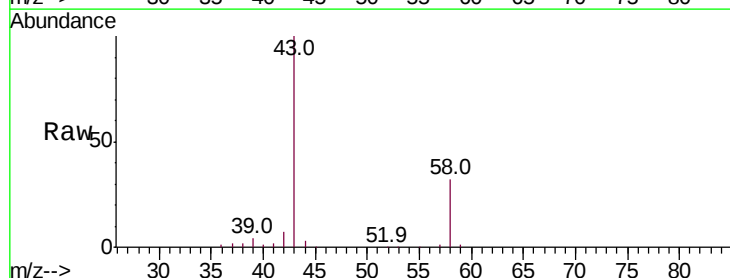
Manual Integrations
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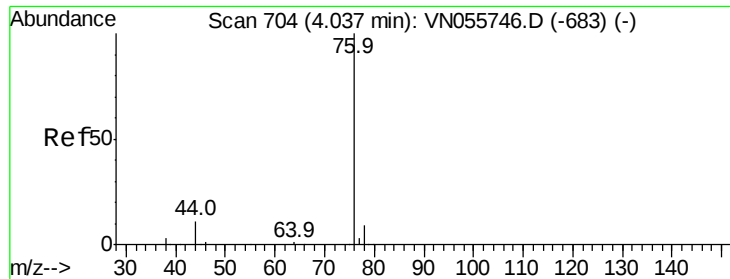
MMDadoda
 5/31/2019 9:38:50 AM



#16
 Acetone
 Concen: 257.847 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.6	39.8





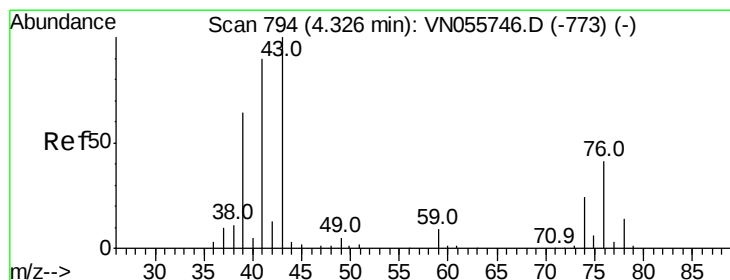
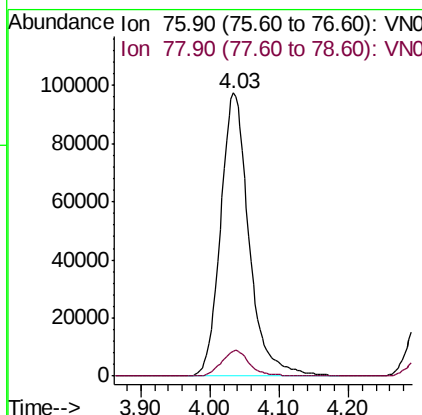
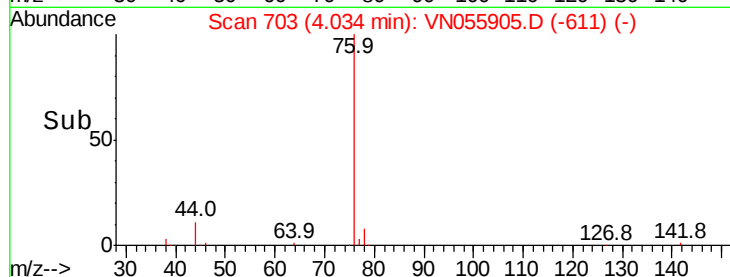
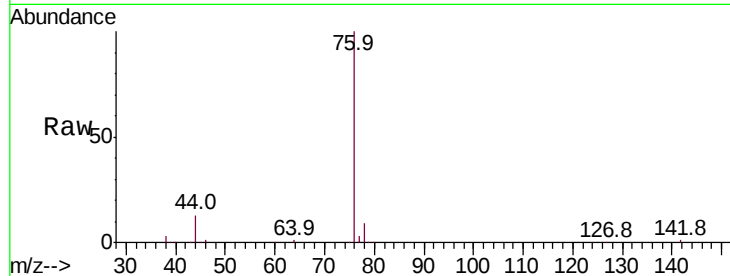
#17
Carbon Disulfide
Concen: 39.414 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

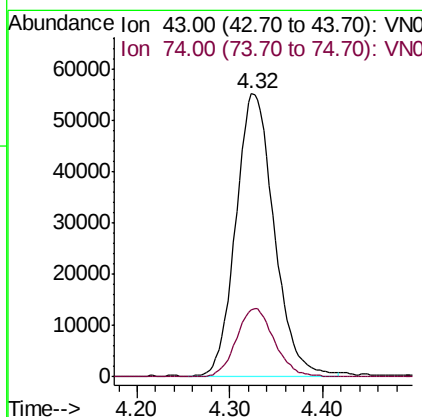
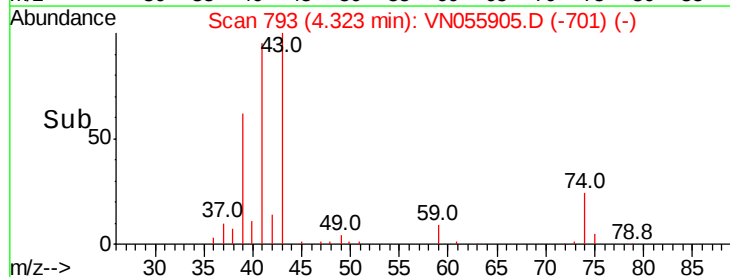
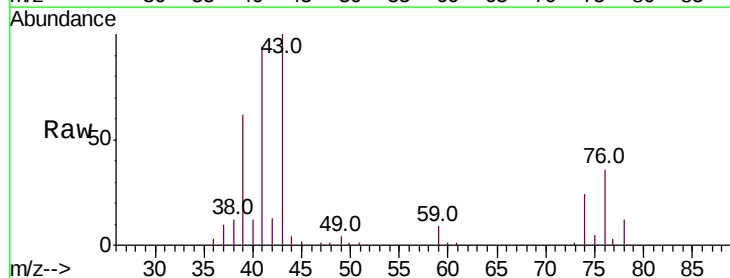
Manual Integrations
APPROVED

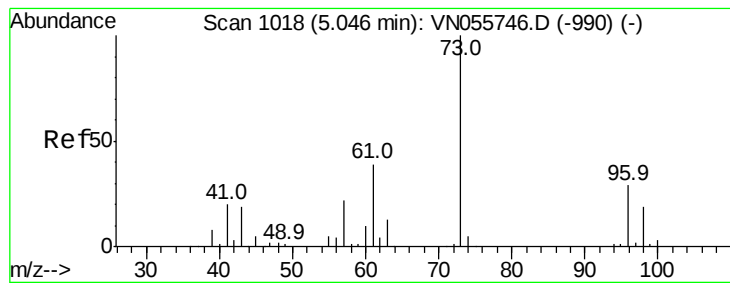
MMDadoda
5/31/2019 9:38:50 AM



#18
Methyl Acetate
Concen: 58.650 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





#19

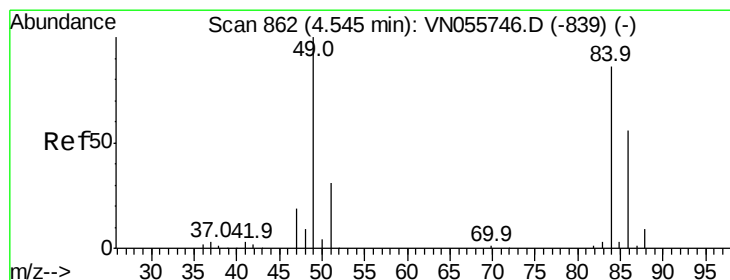
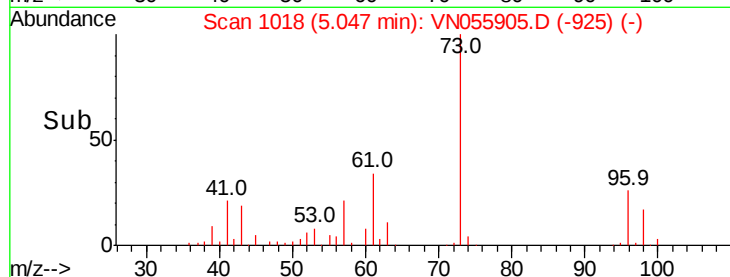
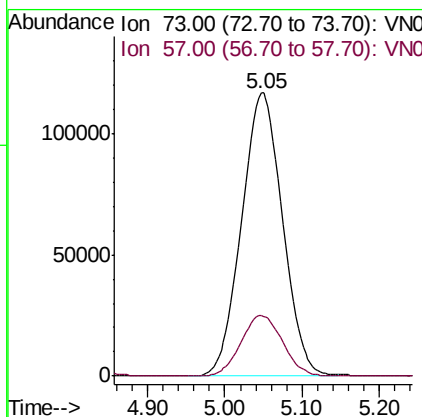
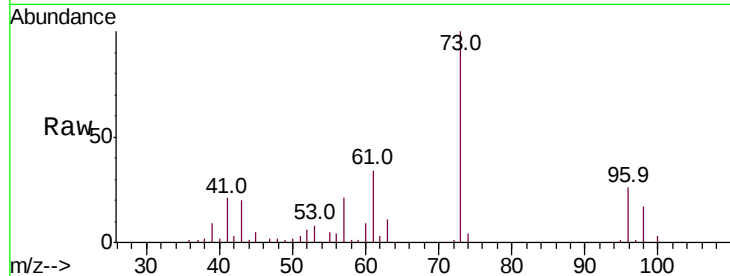
Methyl tert-butyl Ether
 Concen: 51.898 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 430742
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.8 26.8

Manual Integrations
 APPROVED

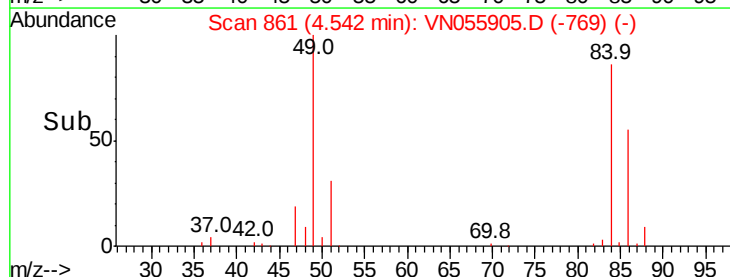
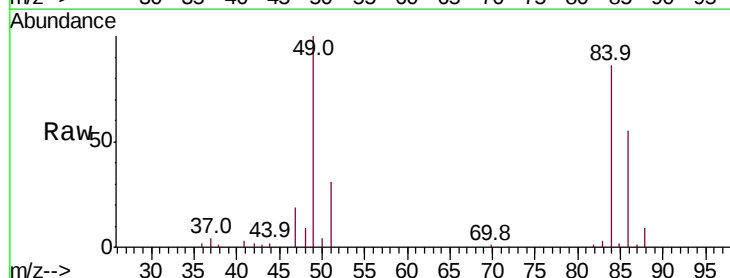
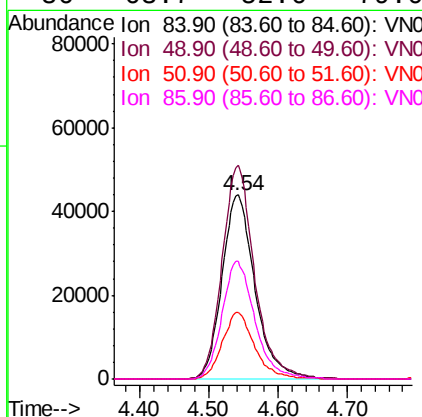
MMDadoda
 5/31/2019 9:38:50 AM

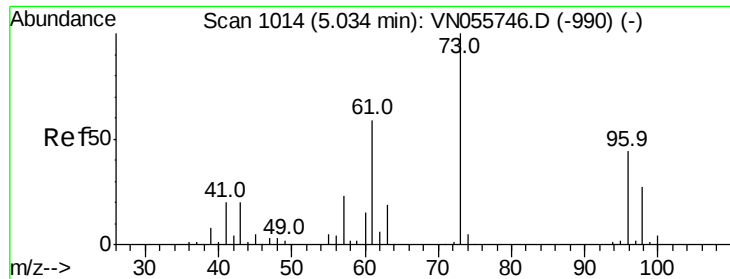


#20

Methylene Chloride
 Concen: 50.688 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion: 84 Resp: 145818
 Ion Ratio Lower Upper
 84 100
 49 115.9 93.5 140.3
 51 36.4 28.6 43.0
 86 63.7 52.6 79.0





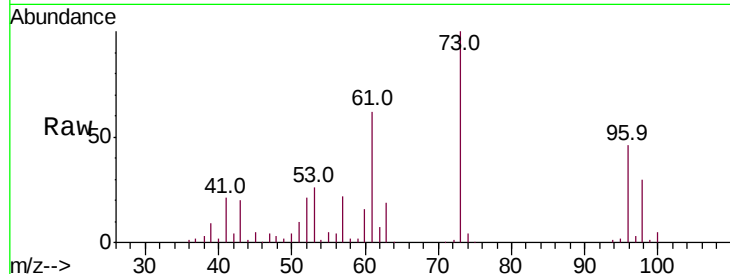
#21
trans-1,2-Dichloroethene
Concen: 49.026 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	107.8	161.8
98	66.2	49.8	74.8

Manual Integrations
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5/31/2019 9:38:50 AM

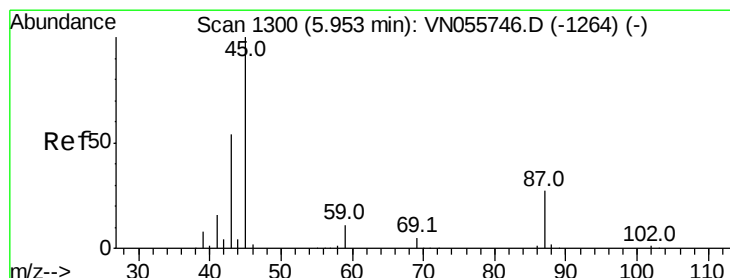
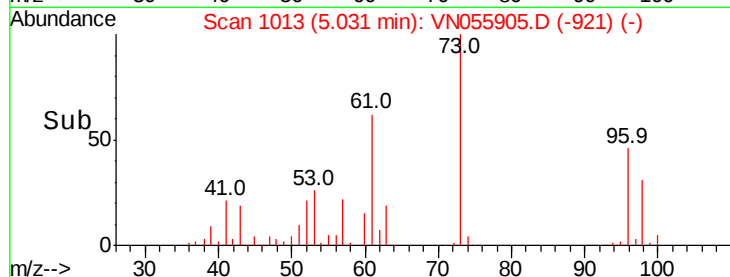
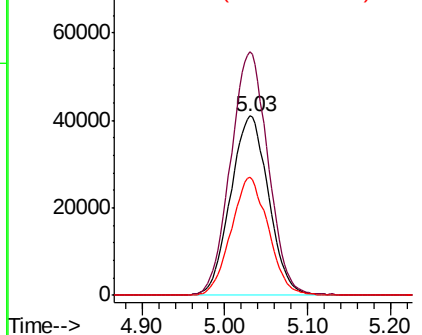


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 53.066 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.0	67.6
87	27.8	22.2	33.4
59	11.1	9.1	13.7

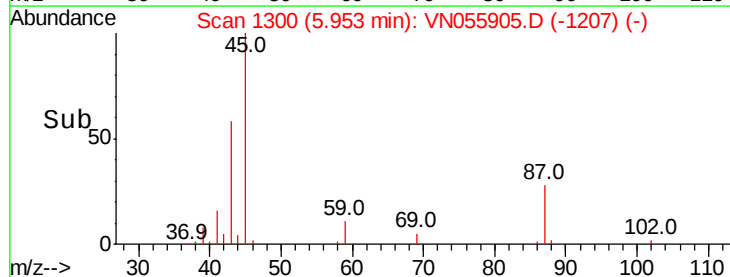
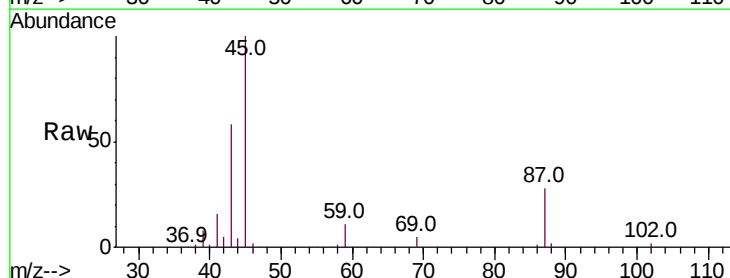
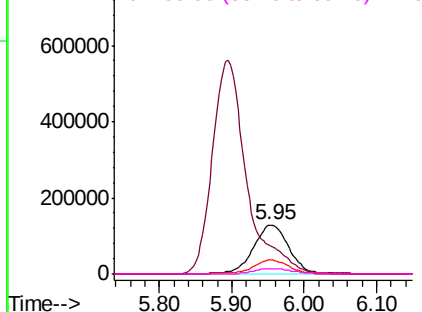
Abundance

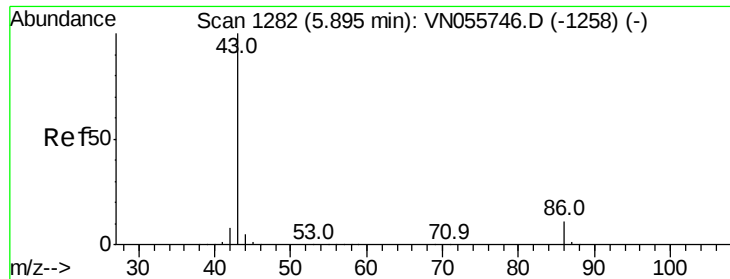
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 260.822 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

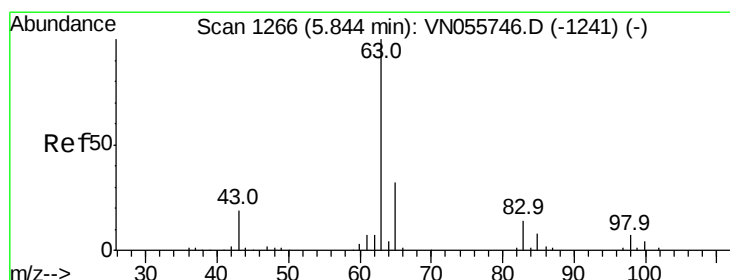
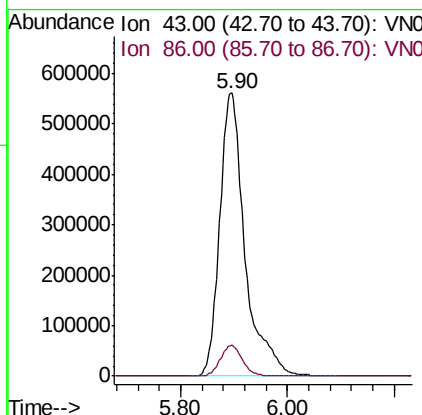
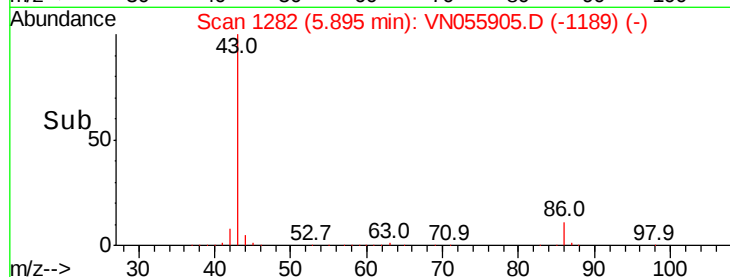
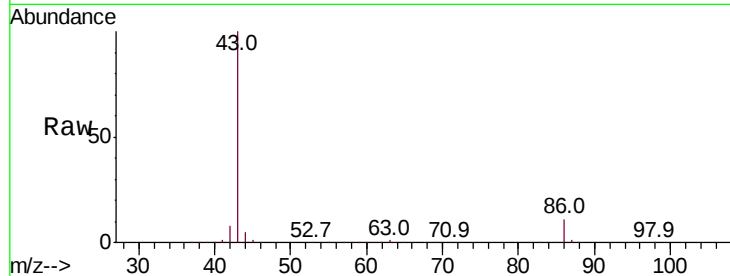
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 185535

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	13.0

Manual Integrations
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MMDadoda
5/31/2019 9:38:50 AM



#24

1,1-Dichloroethane

Concen: 51.039 ug/l

RT: 5.84 min Scan# 1266

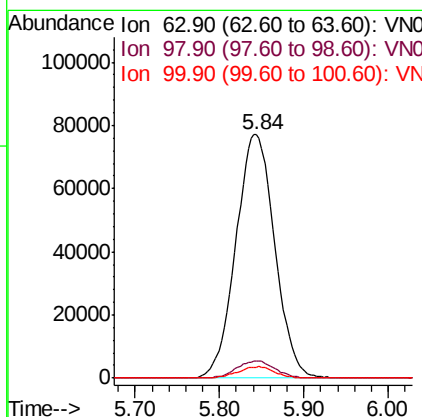
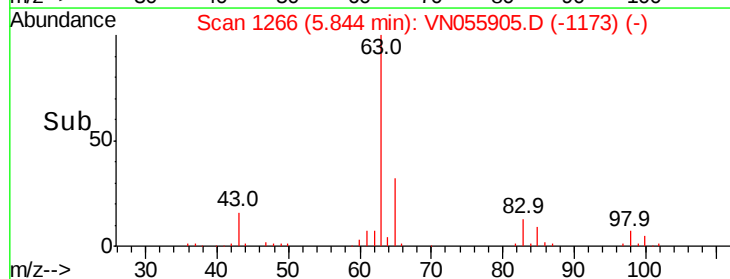
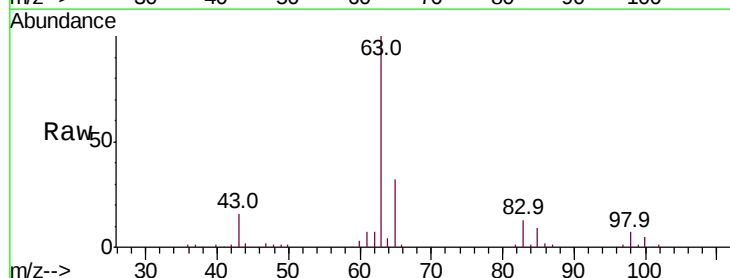
Delta R.T. 0.00 min

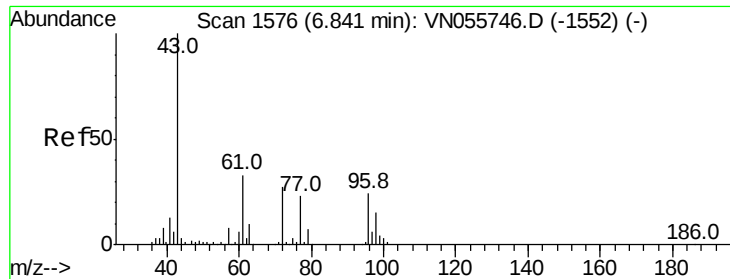
Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion: 63 Resp: 246574

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.4	10.1
100	4.6	2.2	6.6





#25

2-Butanone

Concen: 271.727 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 504091

Ion Ratio Lower Upper

43 100

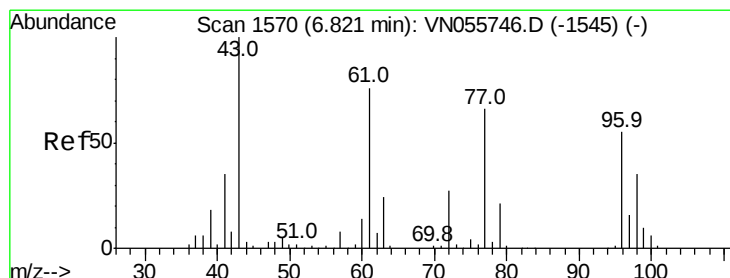
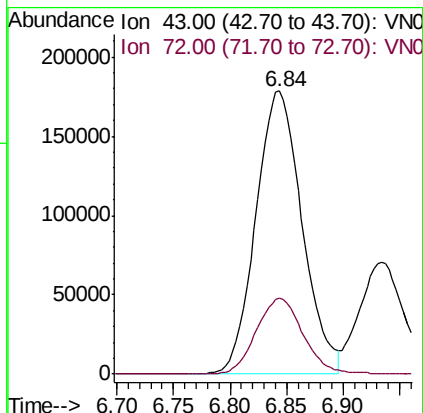
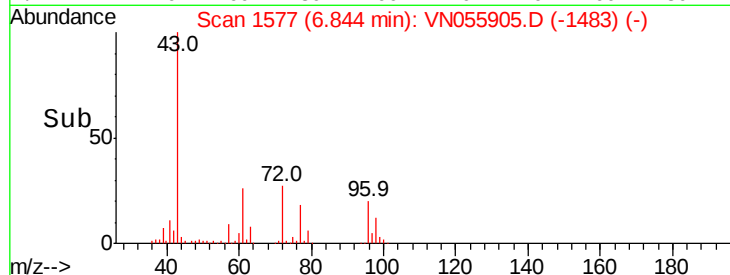
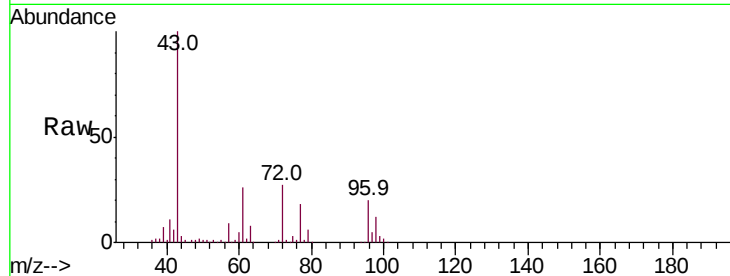
72 26.8 21.9 32.9

Manual Integrations

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5/31/2019 9:38:50 AM



#26

2,2-Dichloropropane

Concen: 46.841 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055905.D

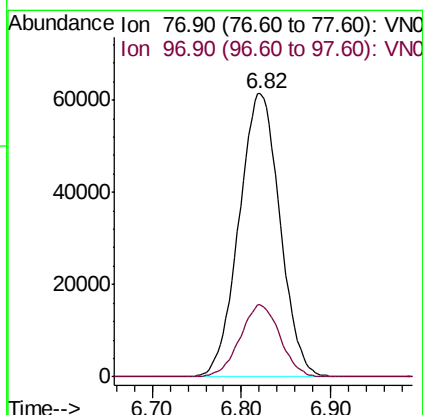
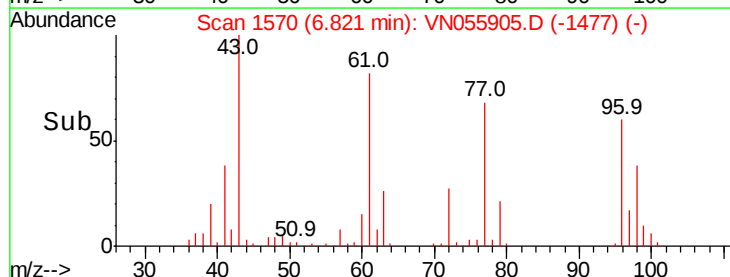
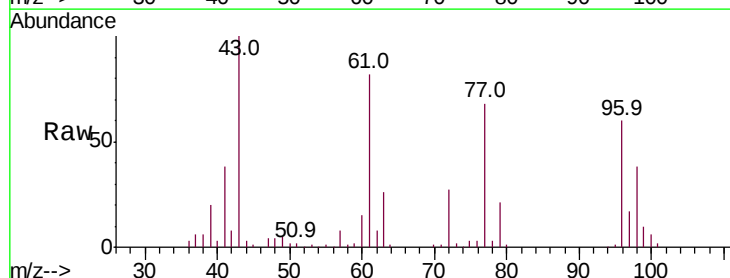
Acq: 30 May 2019 17:29

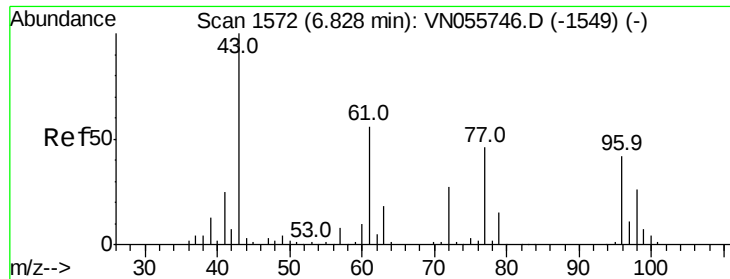
Tgt Ion: 77 Resp: 195844

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.811 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

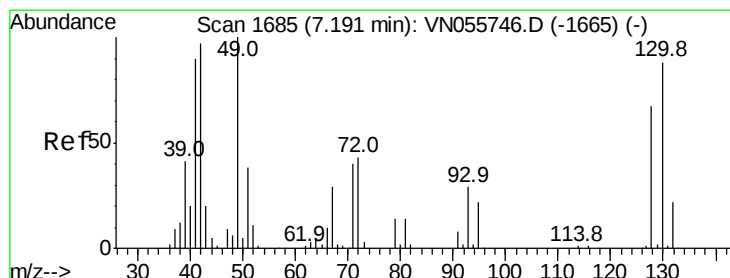
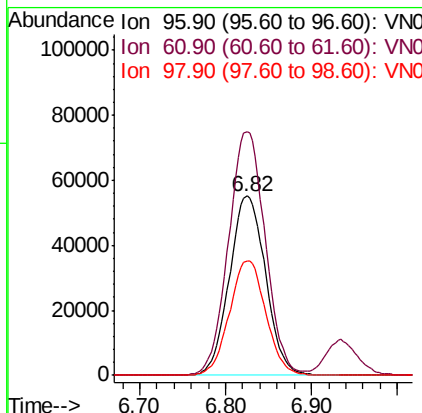
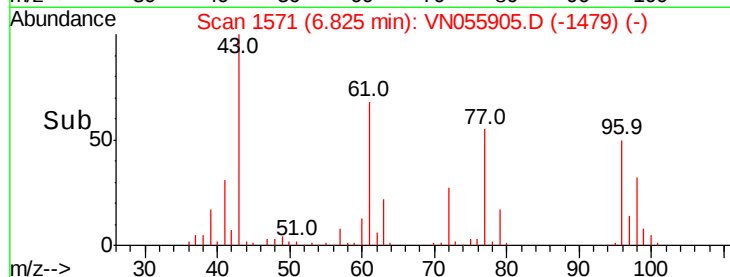
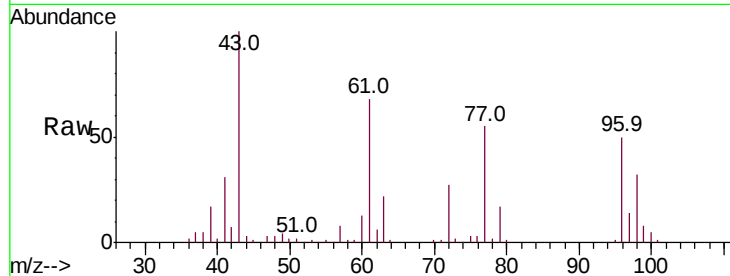
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	161607
Ion Ratio	Lower	Upper	
96	100		
61	137.6	0.0	275.8
98	63.9	0.0	128.4

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#28

Bromochloromethane

Concen: 52.791 ug/l

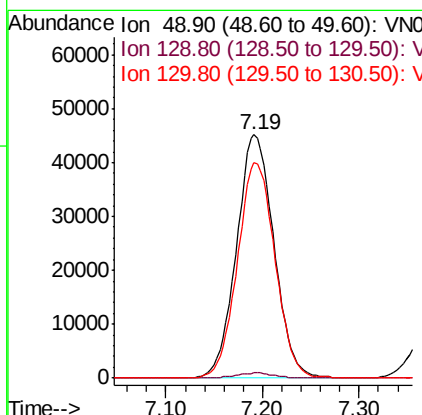
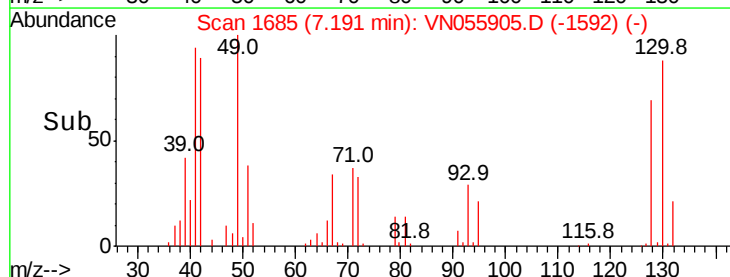
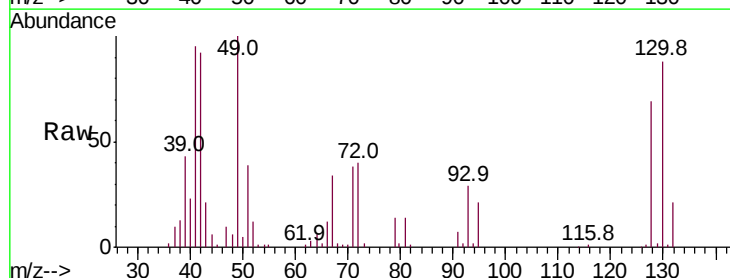
RT: 7.19 min Scan# 1685

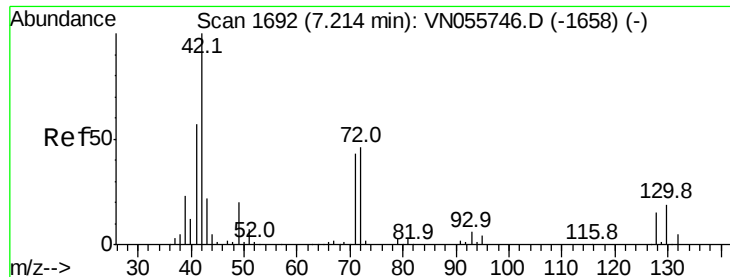
Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion:	49	Resp:	121427
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.4
130	89.0	71.2	106.8





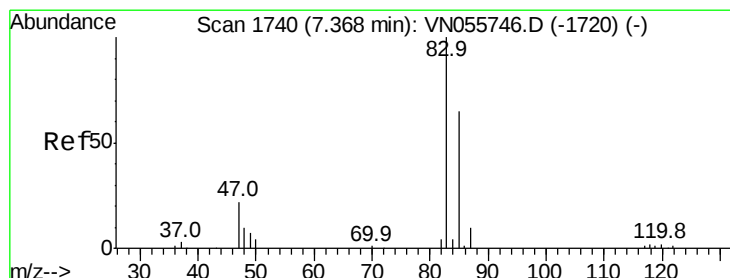
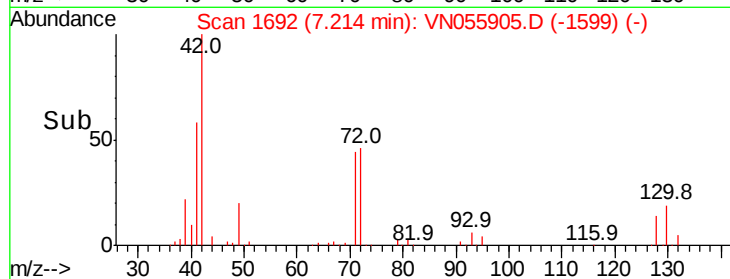
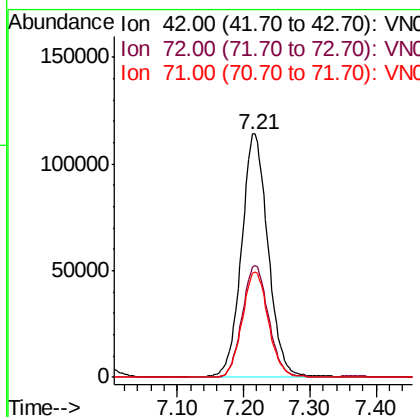
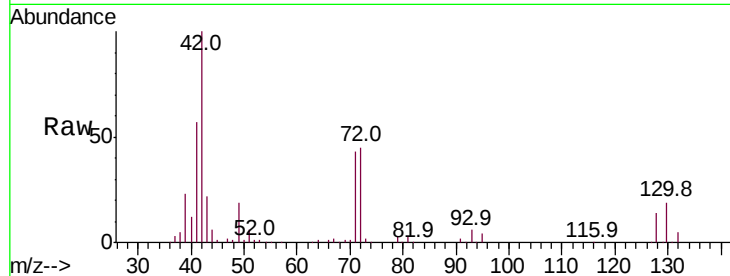
#29
Tetrahydrofuran
Concen: 270.971 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	42.5	34.0	51.0

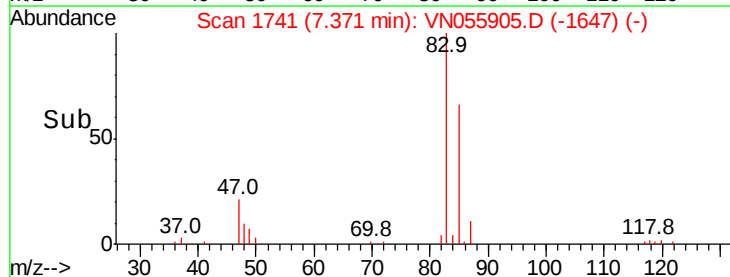
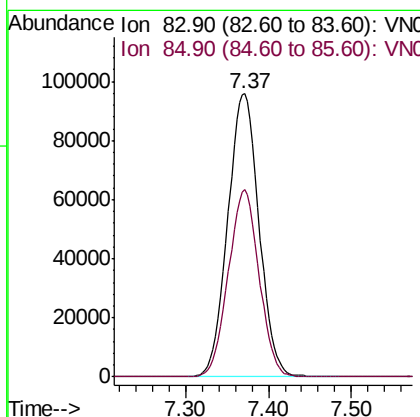
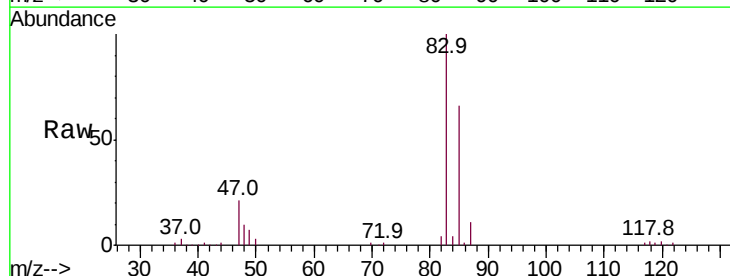
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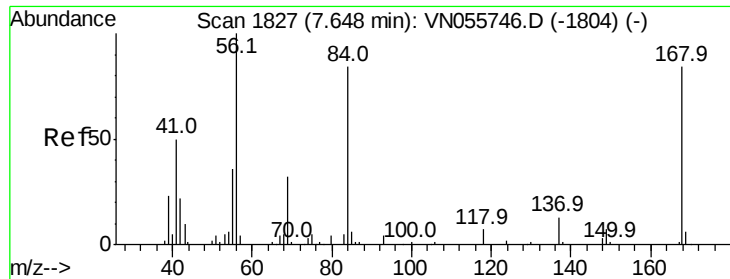
MMDadoda
5/31/2019 9:38:50 AM



#30
Chloroform
Concen: 52.159 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8





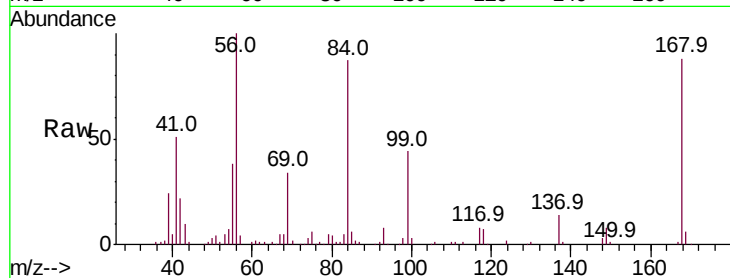
#31
Cyclohexane
Concen: 48.343 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

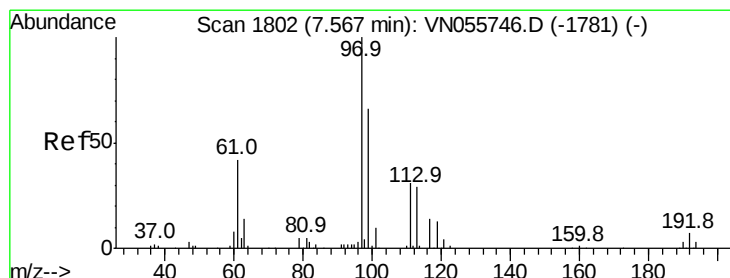
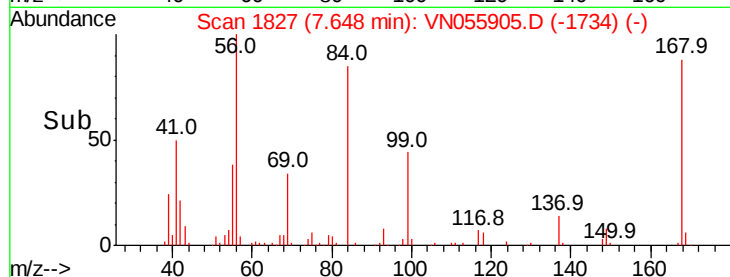
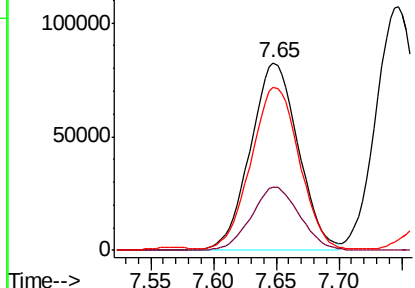
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.6	38.4
84	85.9	67.4	101.0

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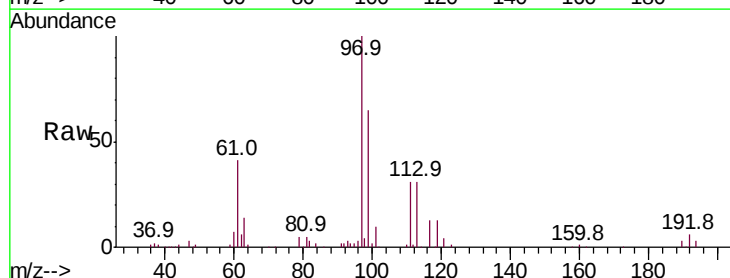


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

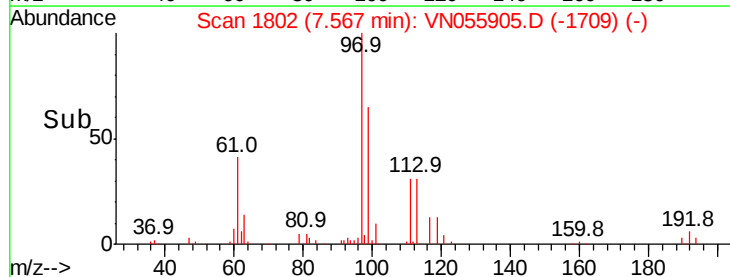
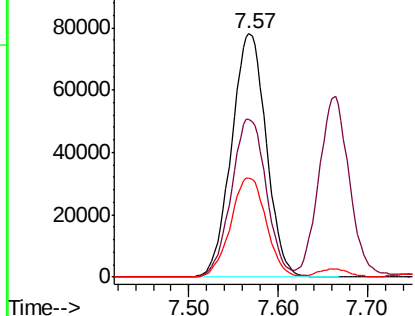


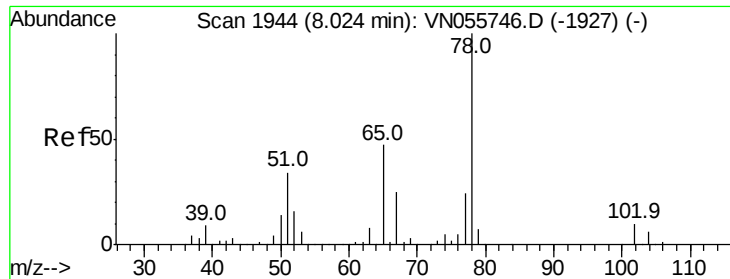
#32
1,1,1-Trichloroethane
Concen: 48.937 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	41.6	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





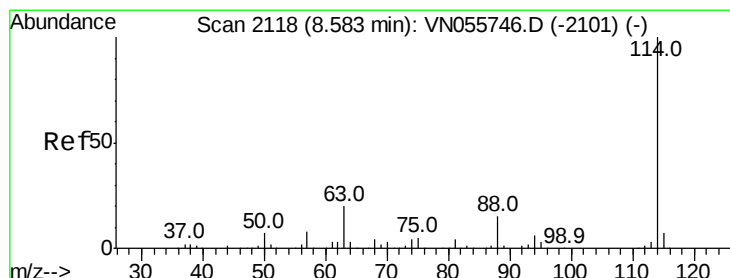
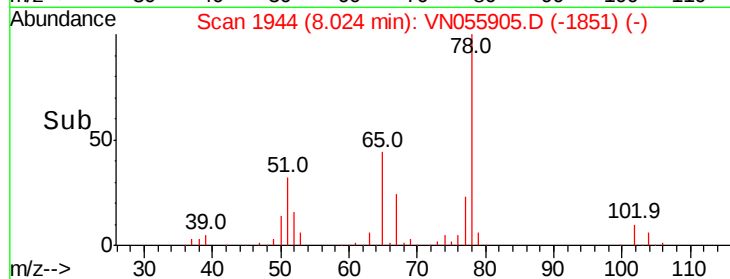
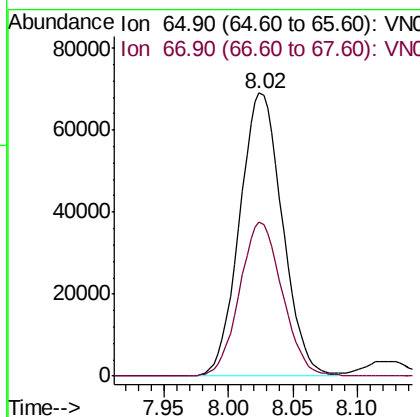
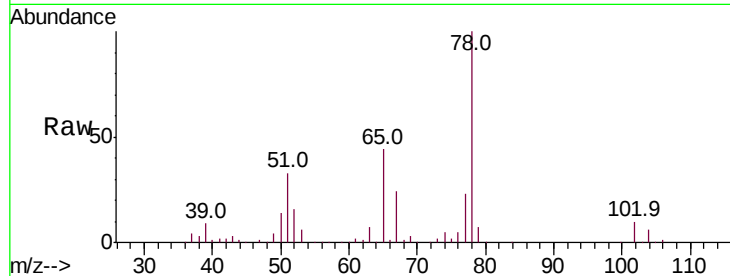
#33
 1,2-Dichloroethane-d4
 Concen: 52.892 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	109.2	

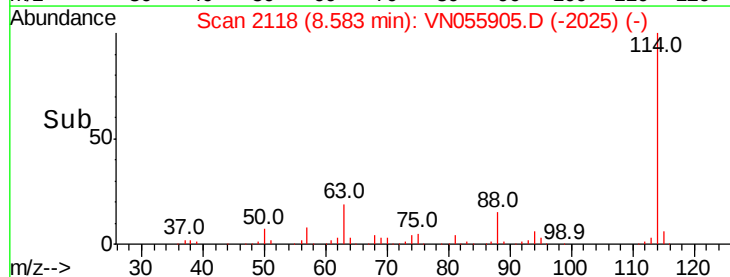
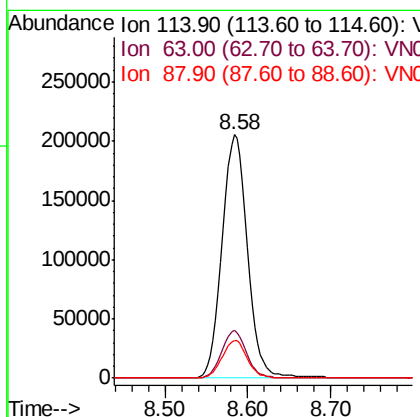
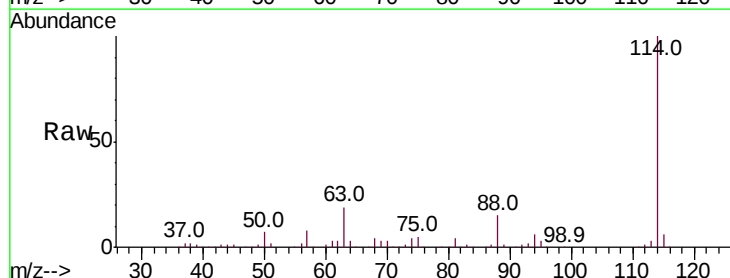
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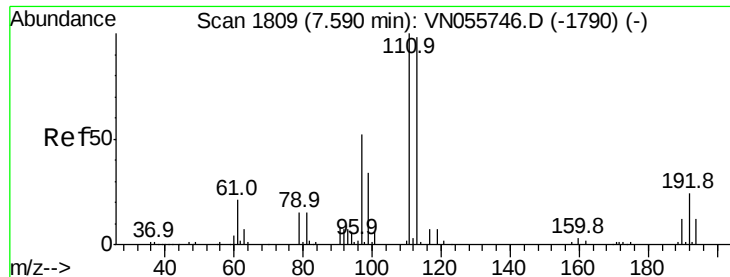
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.2	
88	15.4	0.0	31.0	





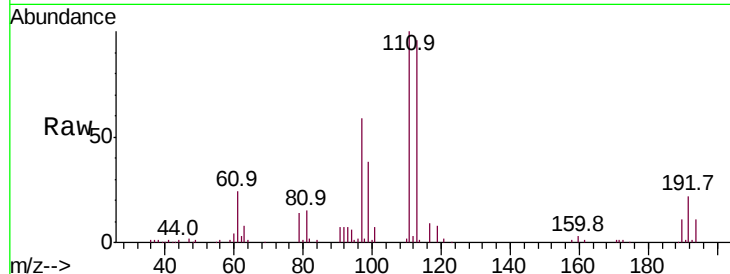
#35
 Dibromofluoromethane
 Concen: 50.918 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

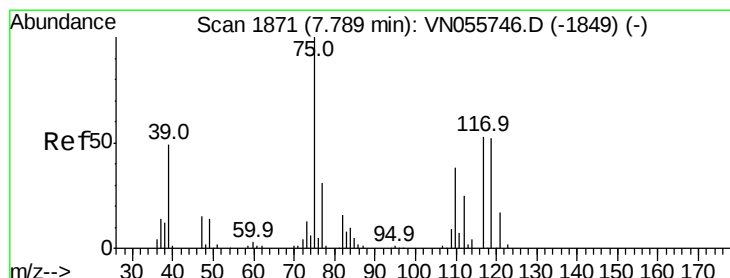
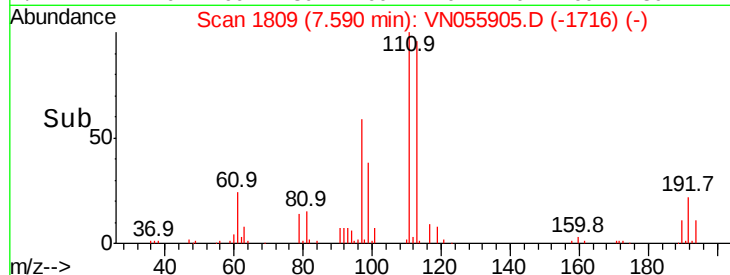
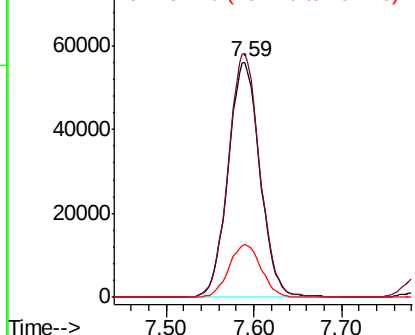
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.9	122.9	
192	22.8	19.5	29.3	

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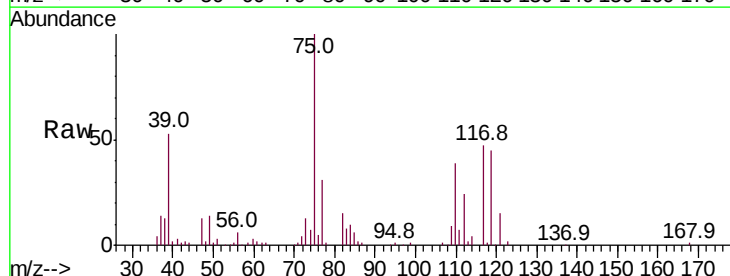


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

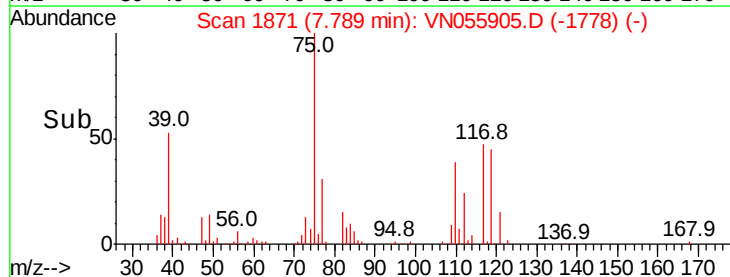
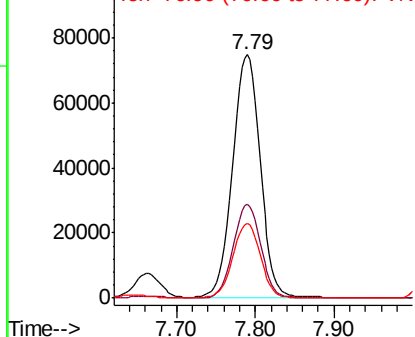


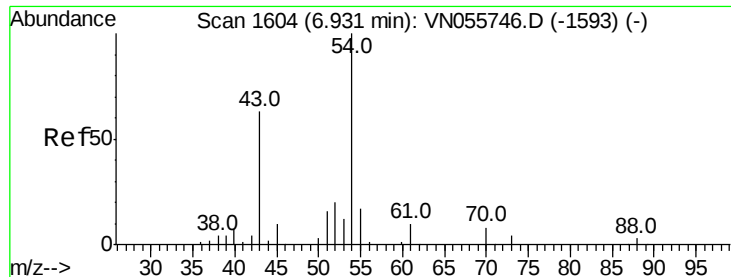
#36
 1,1-Dichloropropene
 Concen: 48.194 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.1	19.0	57.0	
77	30.6	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





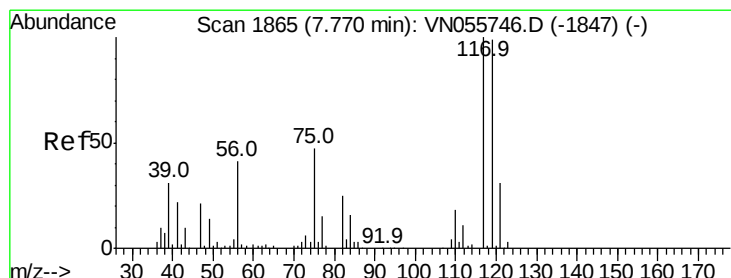
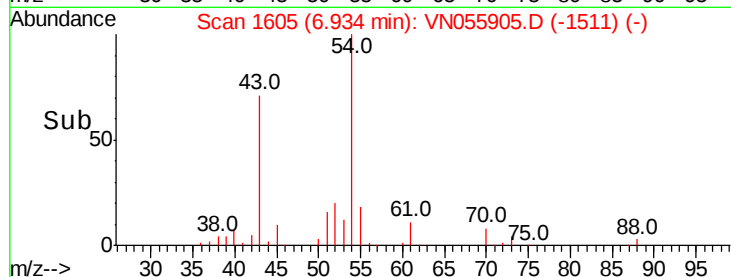
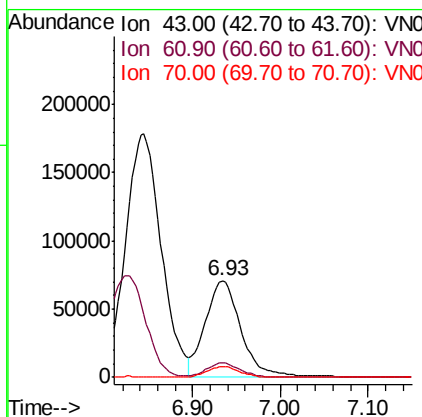
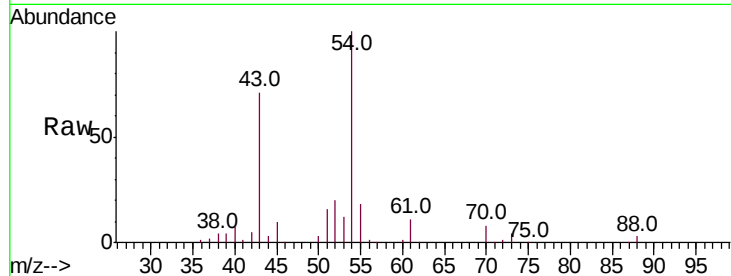
#37
Ethyl Acetate
Concen: 53.660 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.6	8.9	13.3

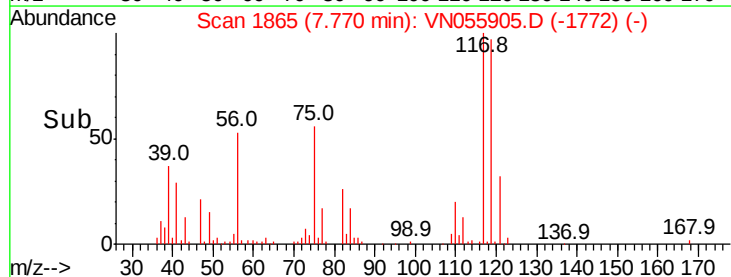
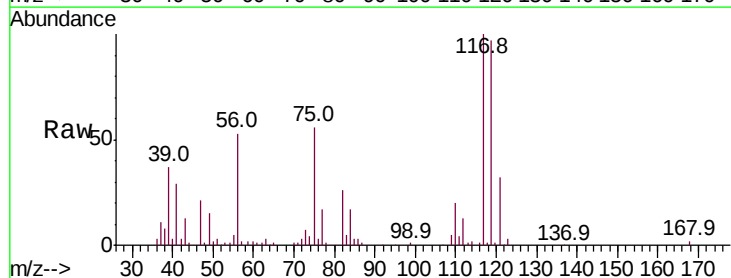
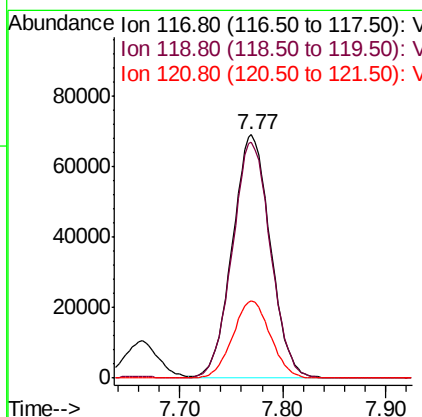
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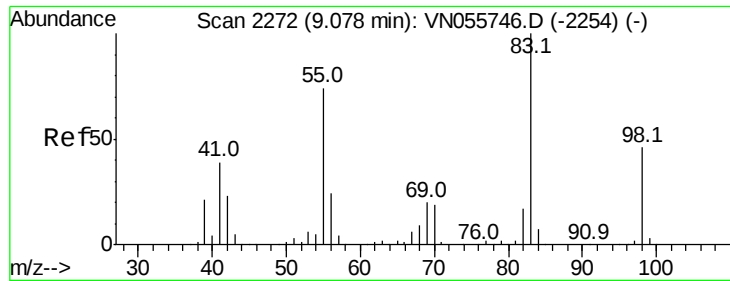
MMDadoda
5/31/2019 9:38:50 AM



#38
Carbon Tetrachloride
Concen: 44.474 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	79.0	118.6
121	31.8	24.7	37.1





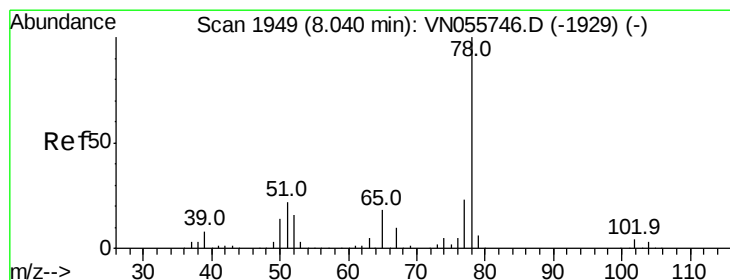
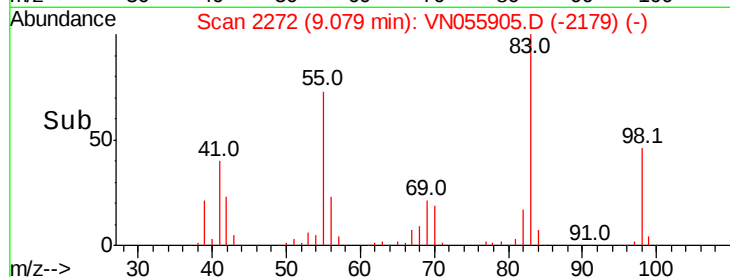
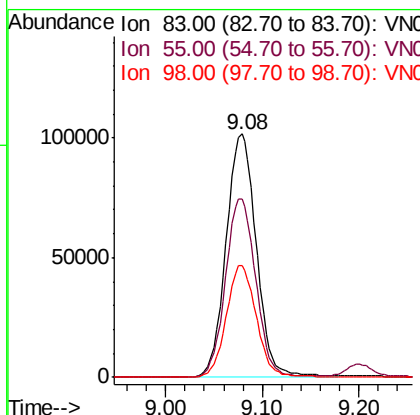
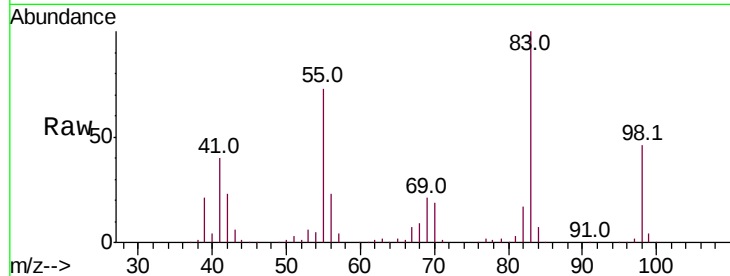
#39
Methvlcvclohexane
Concen: 46.931 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	59.3	88.9
98	46.0	36.6	54.8

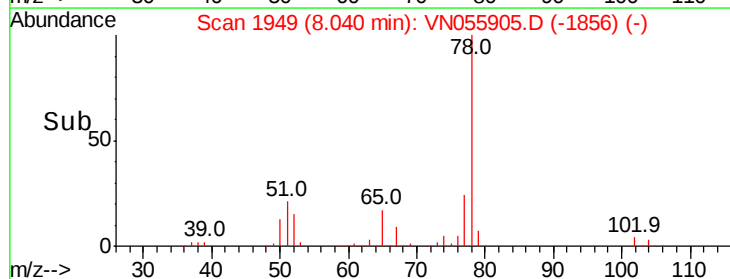
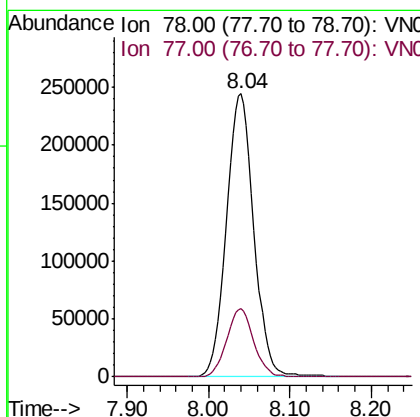
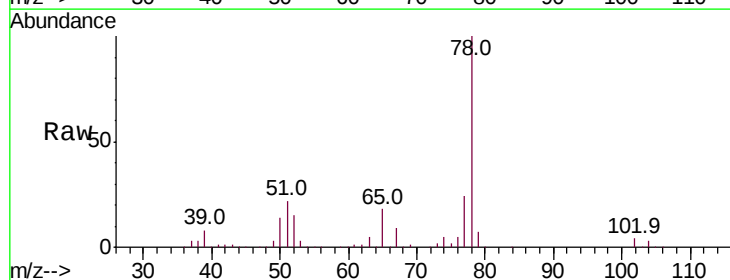
Manual Integrations
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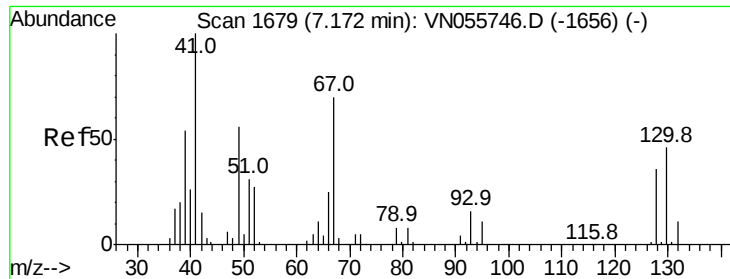
MMDadoda
5/31/2019 9:38:50 AM



#40
Benzene
Concen: 50.103 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





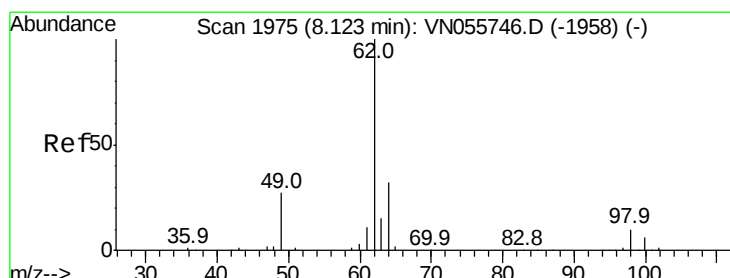
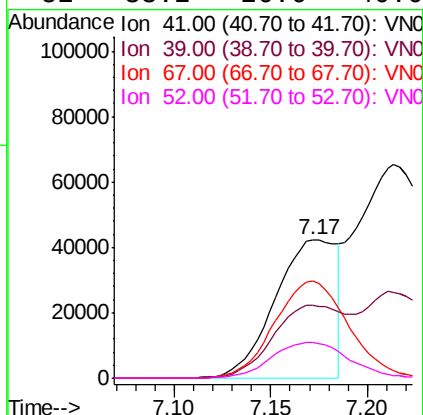
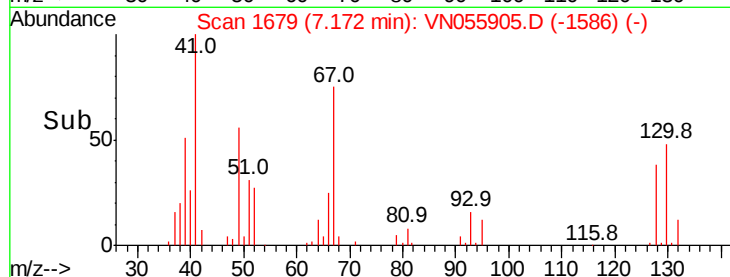
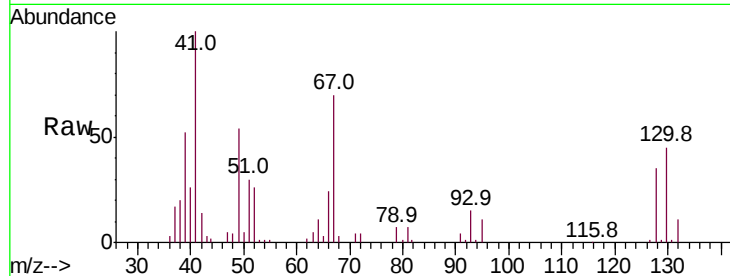
#41
Methacrylonitrile
Concen: 50.350 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.6	45.6	68.4	
67	85.8	67.7	101.5	
52	33.2	26.6	40.0	

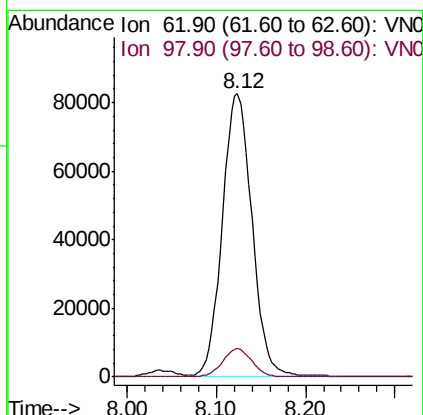
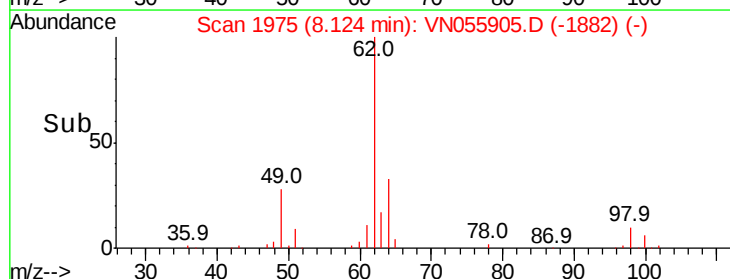
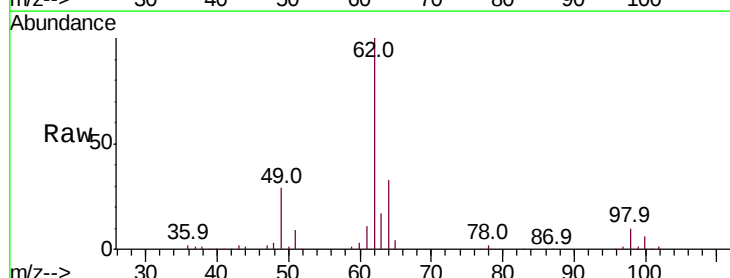
Manual Integrations
APPROVED

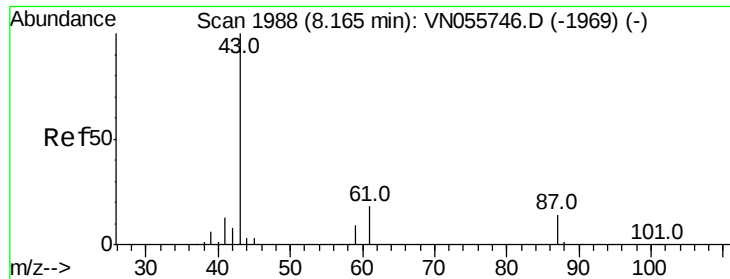
MMDadoda
5/31/2019 9:38:50 AM



#42
1,2-Dichloroethane
Concen: 50.435 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





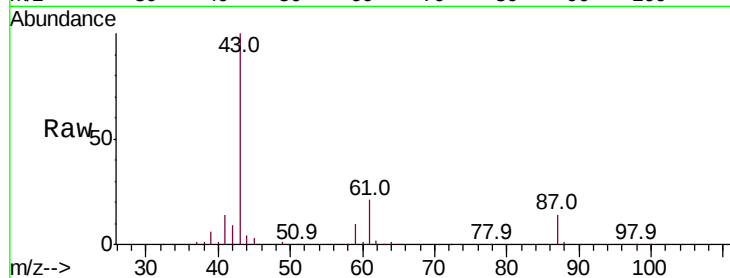
#43
Isopropyl Acetate
Concen: 50.172 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	22.2	33.4#
87	14.5	11.4	17.2

Manual Integrations
APPROVED

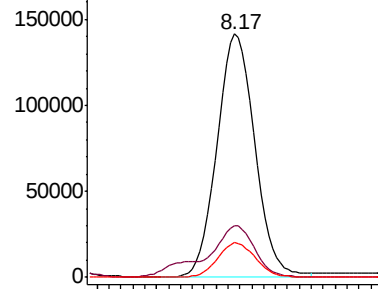
MMDadoda
5/31/2019 9:38:50 AM



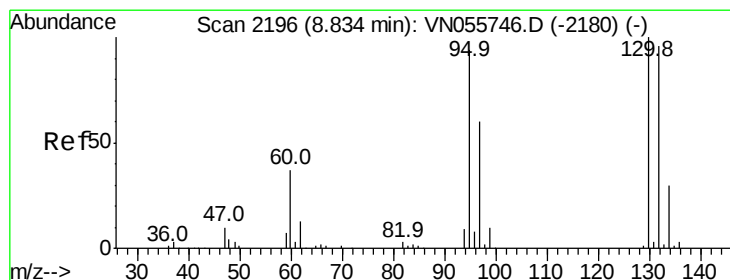
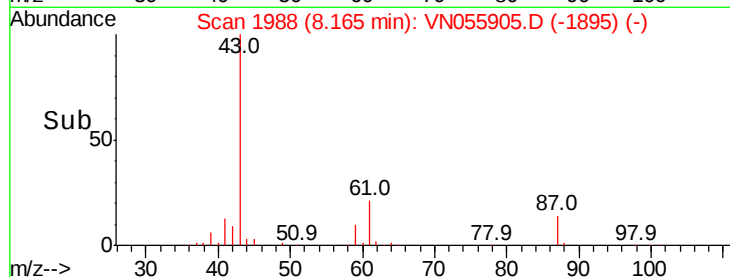
Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

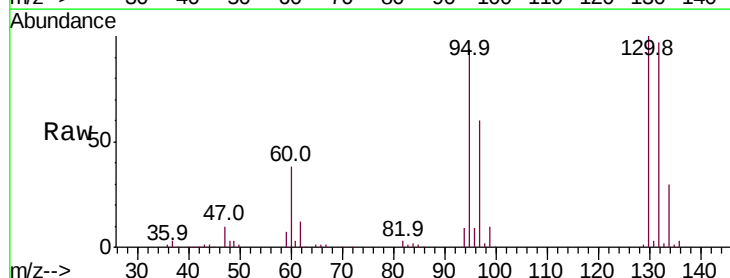


Time-->



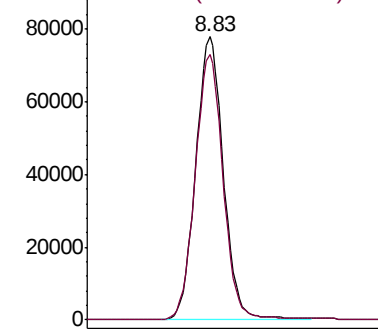
#44
Trichloroethene
Concen: 50.076 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0

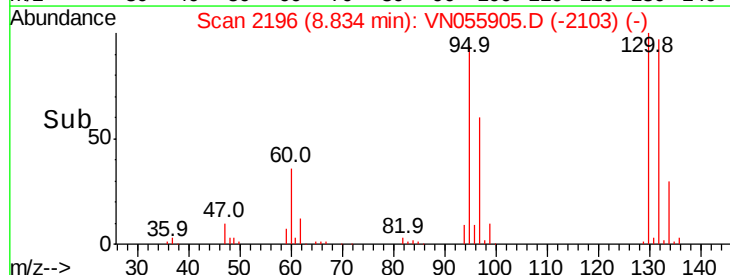


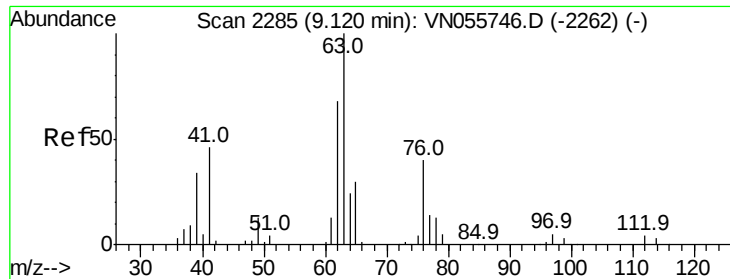
Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)



Time-->





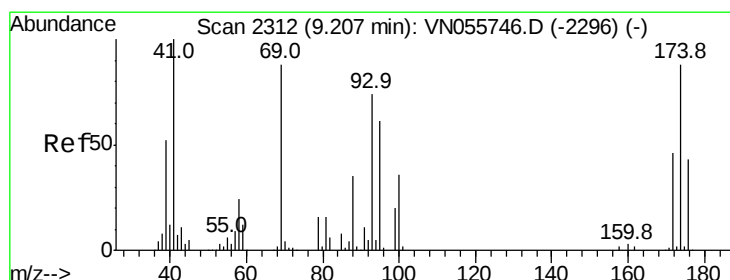
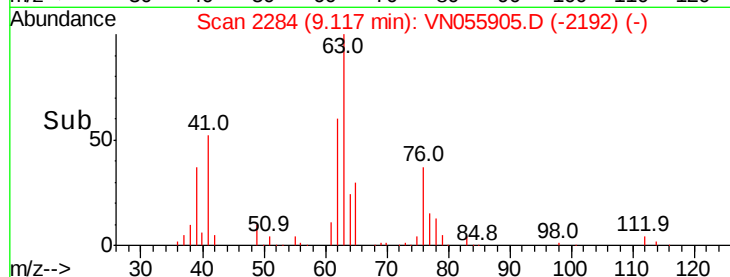
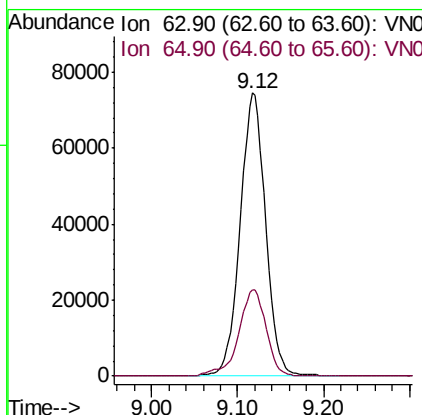
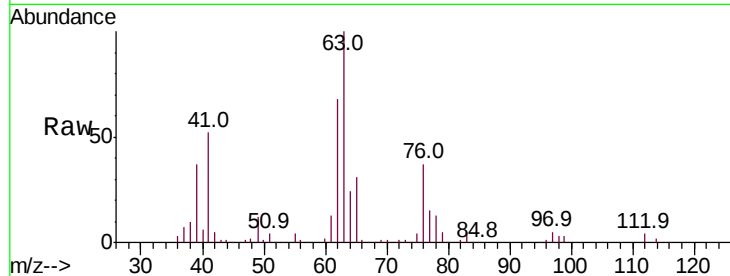
#45
 1,2-Dichloropropane
 Concen: 51.077 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 153234
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

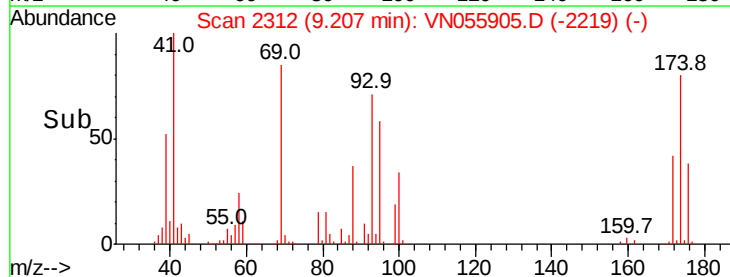
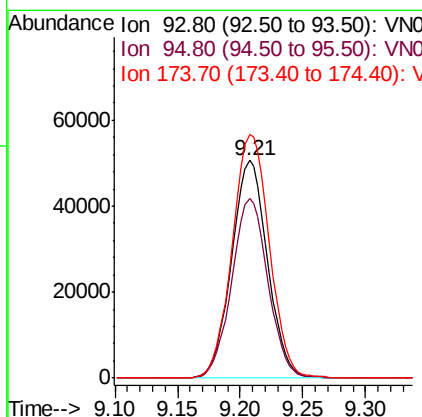
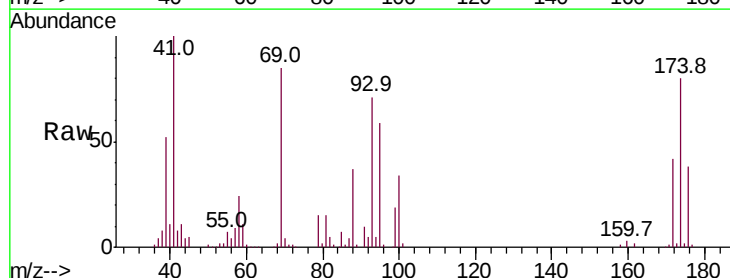
Manual Integrations
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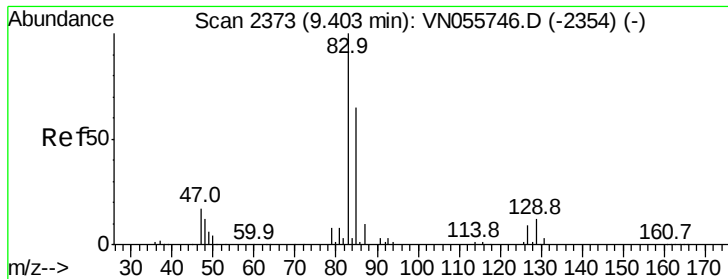
MMDadoda
 5/31/2019 9:38:50 AM



#46
 Dibromomethane
 Concen: 51.230 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion: 93 Resp: 100794
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 116.1 96.4 144.6





#47

Bromodichloromethane

Concen: 48.075 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

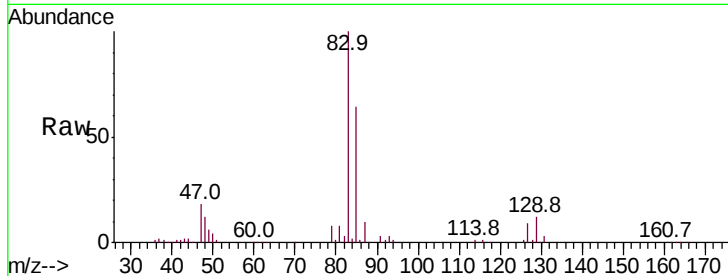
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	193951
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.2
127	9.0	7.4	11.0

Manual Integrations
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MMDadoda
5/31/2019 9:38:50 AM

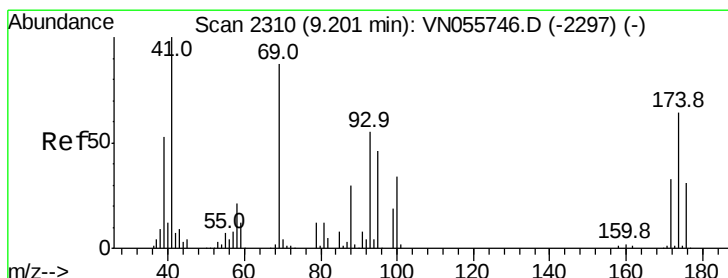
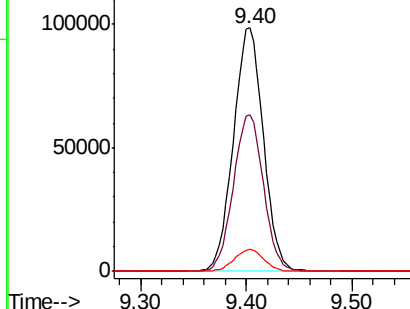
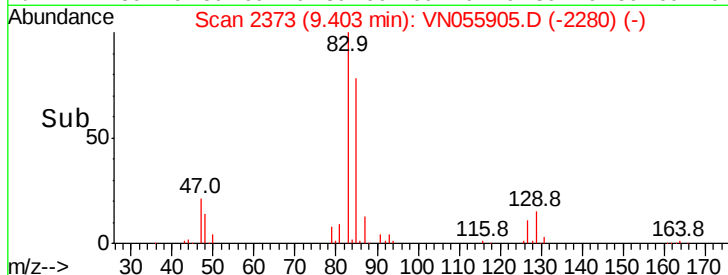


Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

Time-->



#48

Methyl methacrylate

Concen: 53.936 ug/l

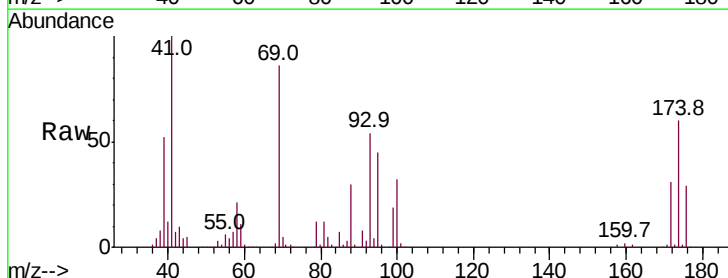
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion:	41	Resp:	154225
Ion Ratio	Lower	Upper	
41	100		
69	87.8	71.0	106.6
39	52.4	44.2	66.2

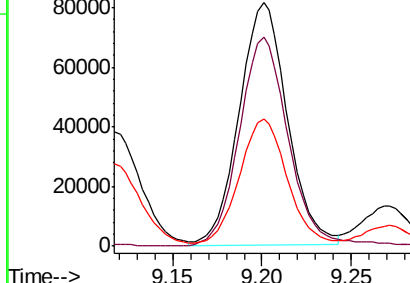
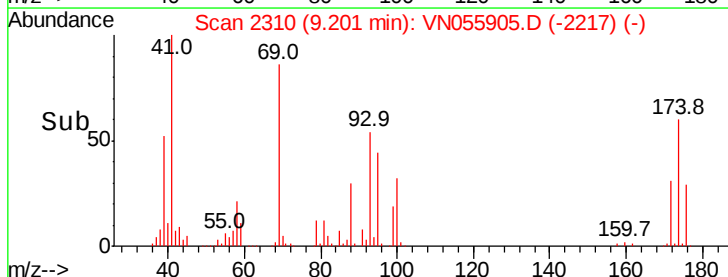


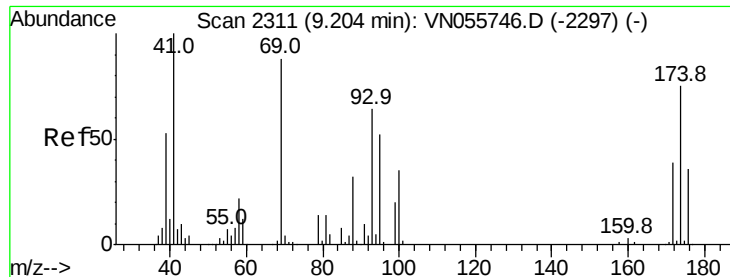
Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

Time-->





#49

1,4-Dioxane

Concen: 1088.805 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 64698

Ion Ratio Lower Upper

88 100

43 26.0 20.5 30.7

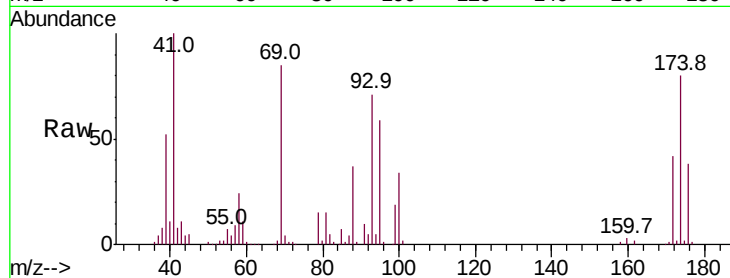
58 69.6 55.8 83.6

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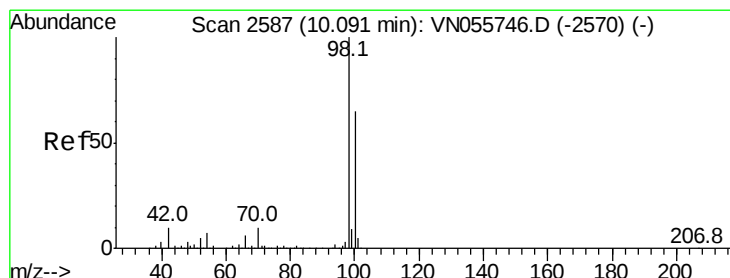
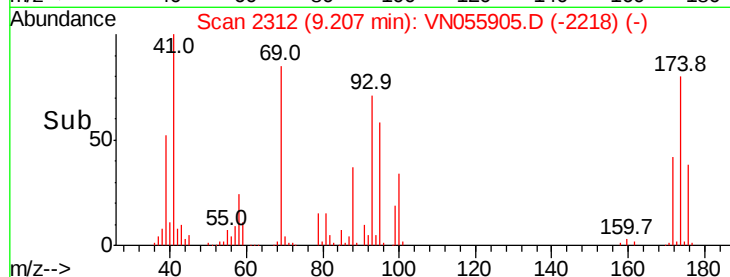
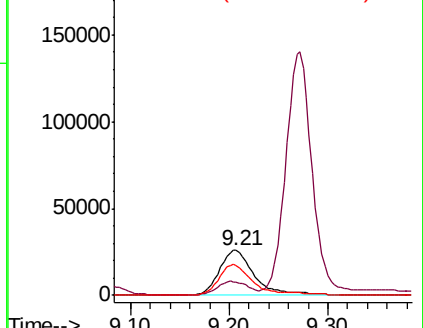
5/31/2019 9:38:50 AM



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.632 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055905.D

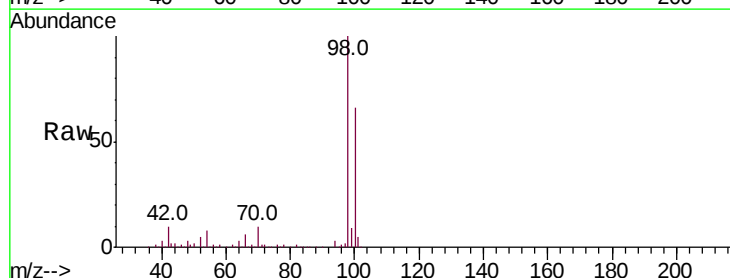
Acq: 30 May 2019 17:29

Tgt Ion: 98 Resp: 538342

Ion Ratio Lower Upper

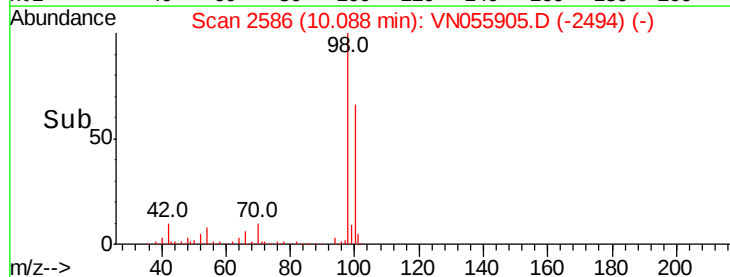
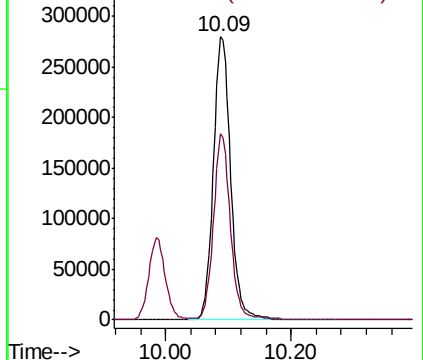
98 100

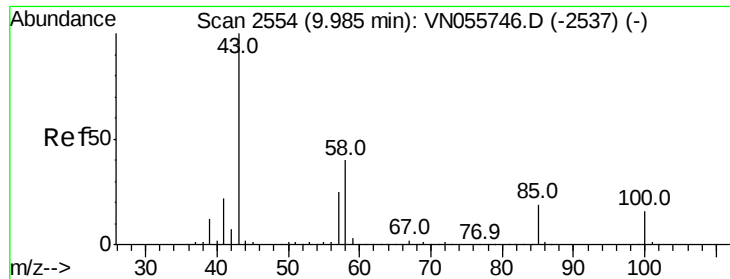
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 262.198 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 960765

Ion Ratio Lower Upper

43 100

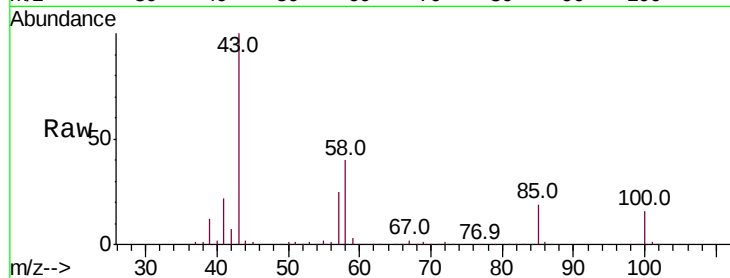
58 40.0 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

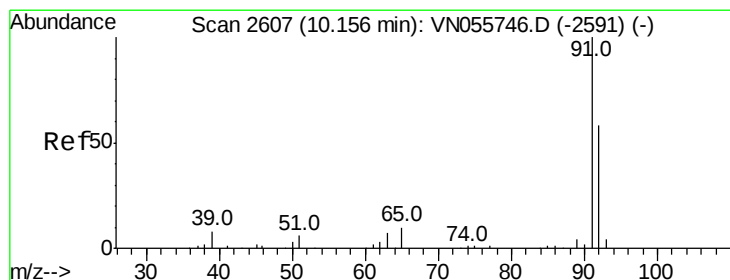
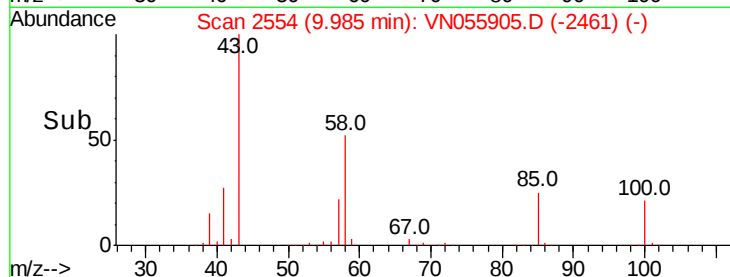
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 50.409 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055905.D

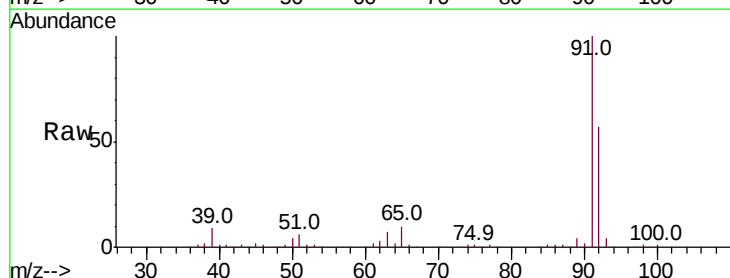
Acq: 30 May 2019 17:29

Tgt Ion: 92 Resp: 365058

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

100000

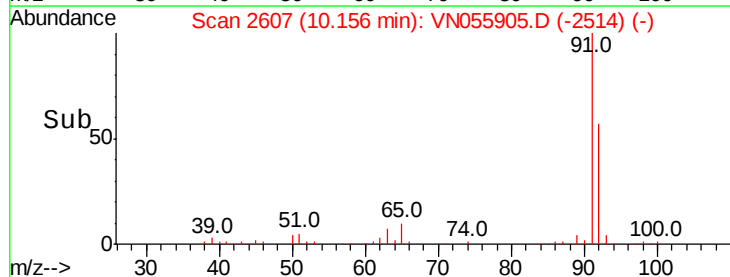
0

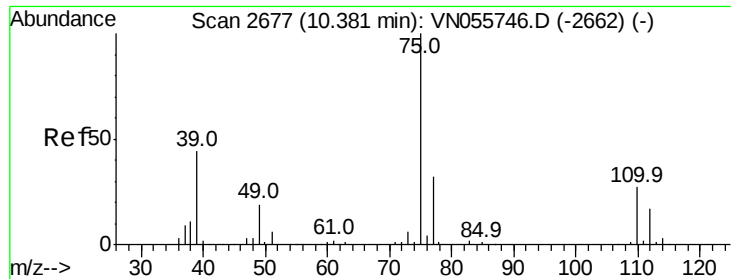
10.10

10.20

10.30

Time-->





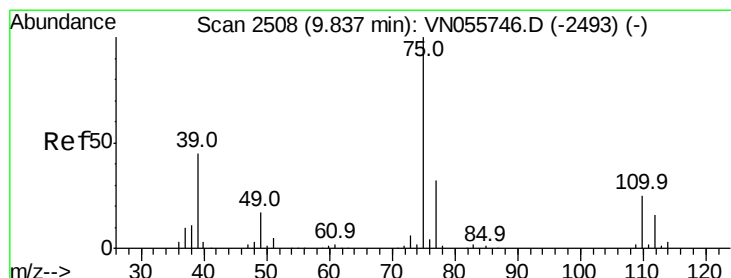
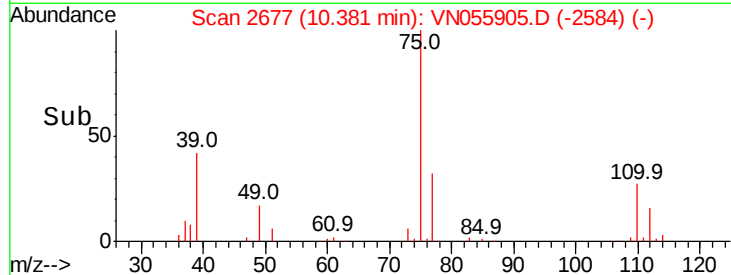
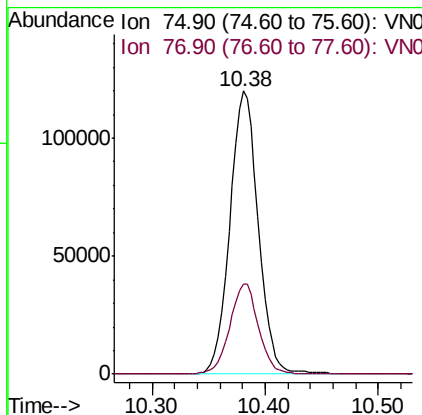
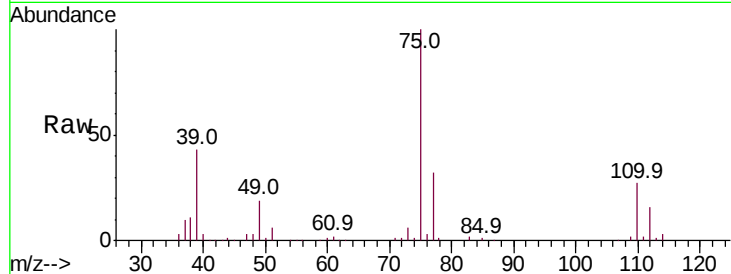
#53
t-1,3-Dichloropropene
Concen: 48.611 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 209337
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6

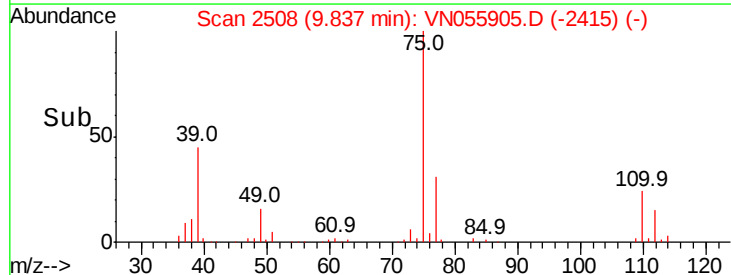
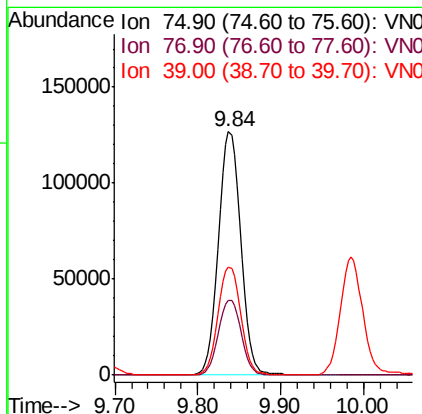
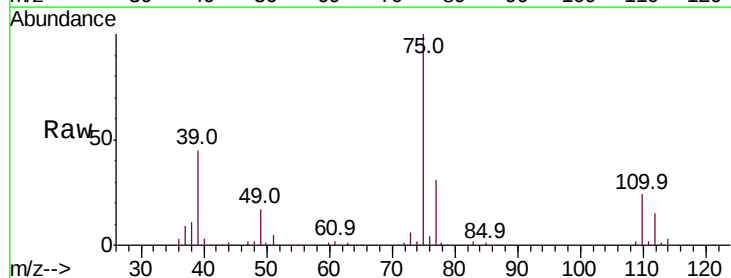
Manual Integrations
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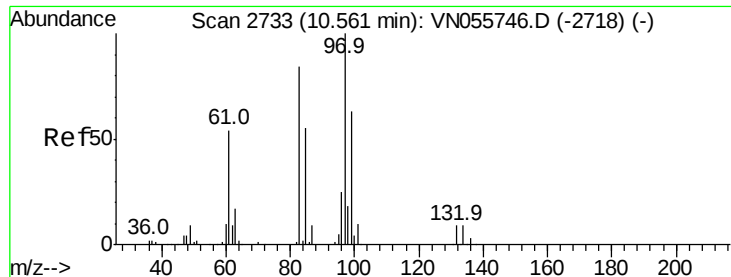
MMDadoda
5/31/2019 9:38:50 AM



#54
cis-1,3-Dichloropropene
Concen: 49.559 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion: 75 Resp: 236431
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0
39 44.5 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 51.489 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 149380

Ion Ratio Lower Upper

97 100

83 86.3 67.0 100.6

85 57.6 44.0 66.0

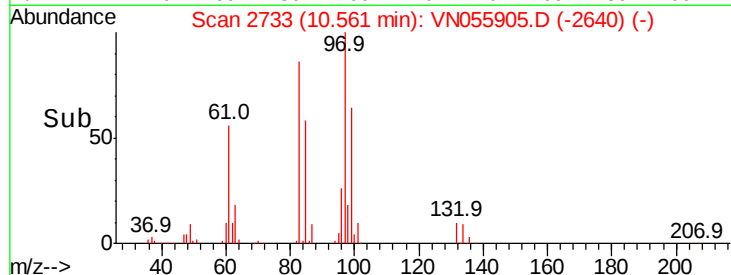
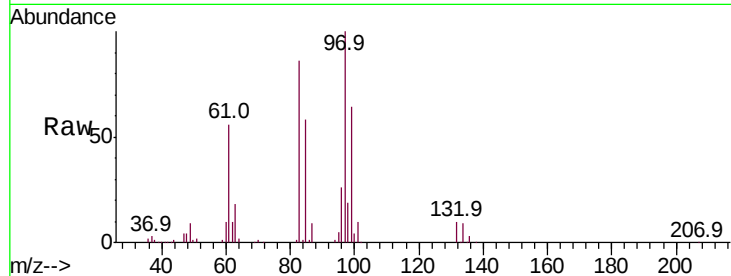
99 63.8 50.6 75.8

Manual Integrations

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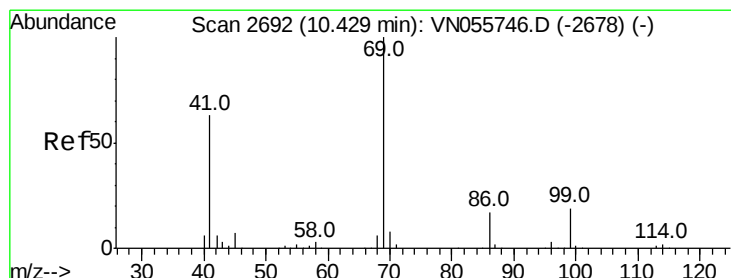
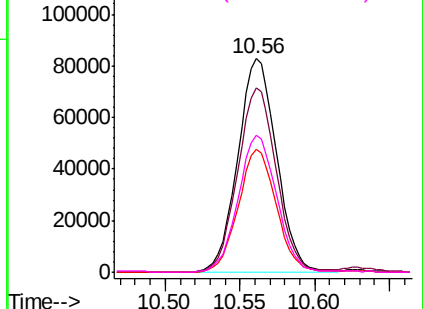
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.928 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

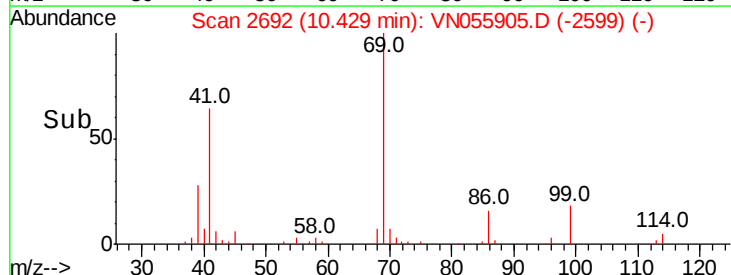
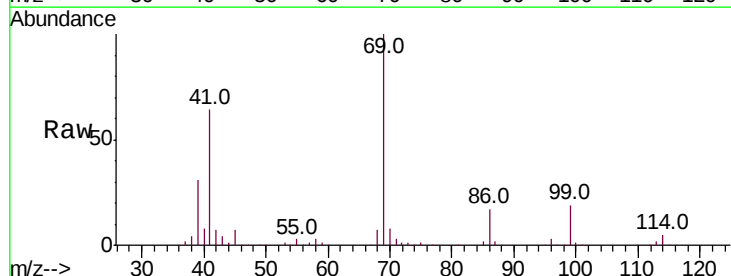
Tgt Ion: 69 Resp: 228348

Ion Ratio Lower Upper

69 100

41 64.0 49.7 74.5

39 31.2 24.7 37.1

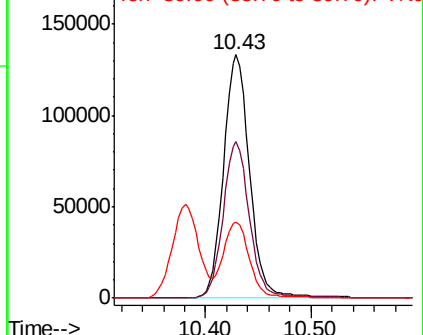


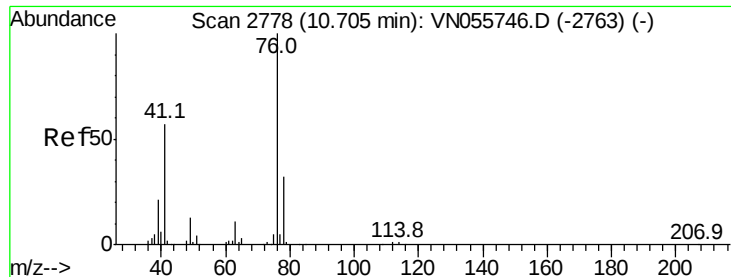
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





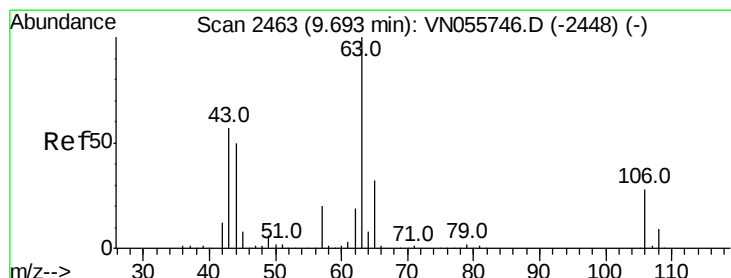
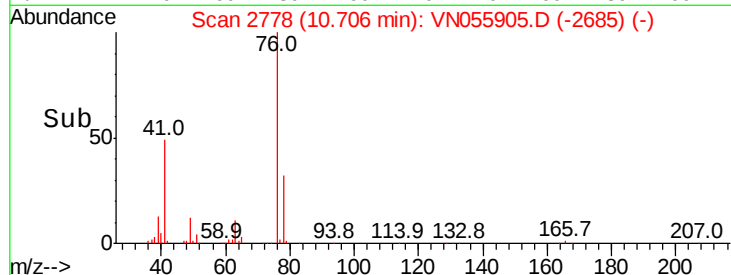
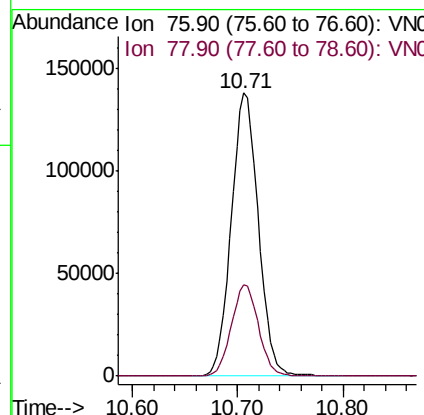
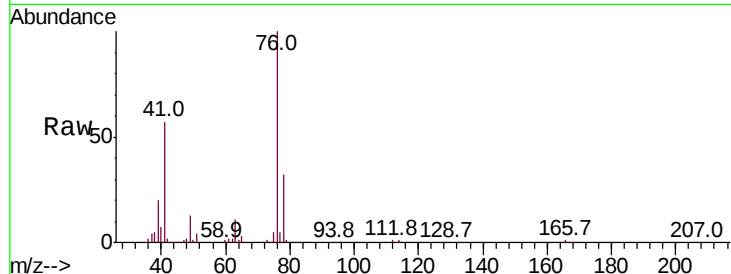
#57
 1,3-Dichloropropane
 Concen: 51.978 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 245121
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

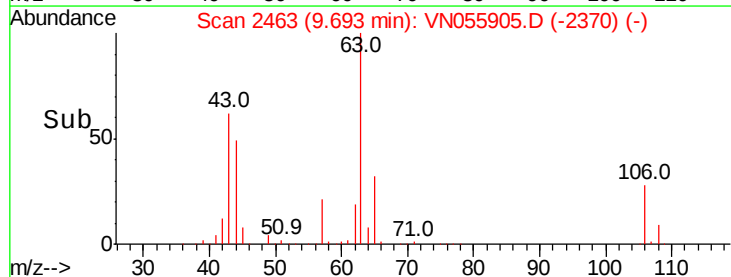
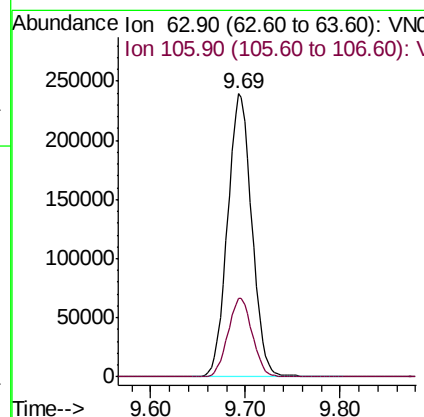
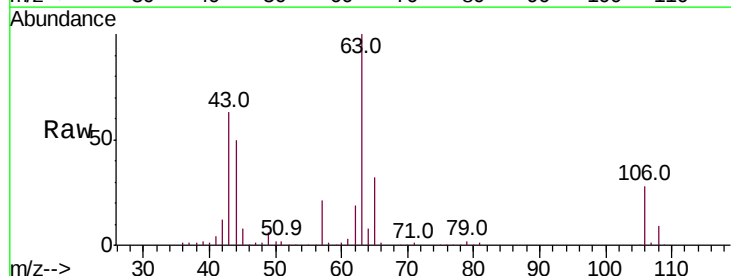
Manual Integrations
 APPROVED

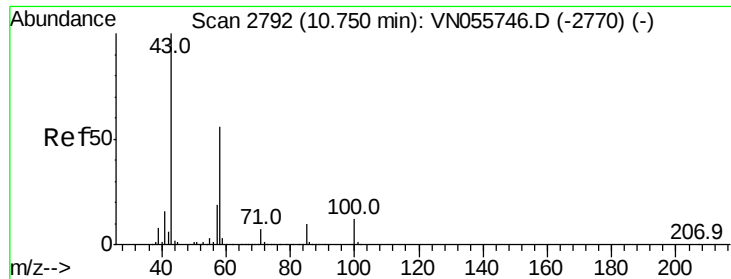
MMDadoda
 5/31/2019 9:38:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.482 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion: 63 Resp: 427486
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.7 34.1





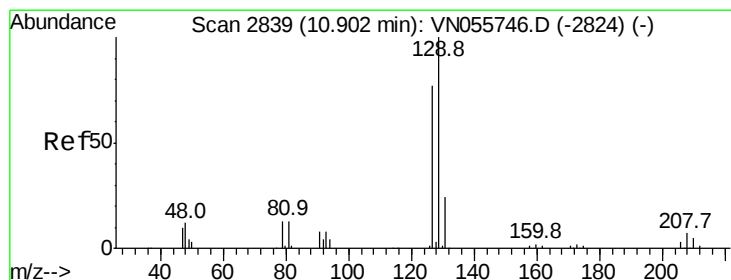
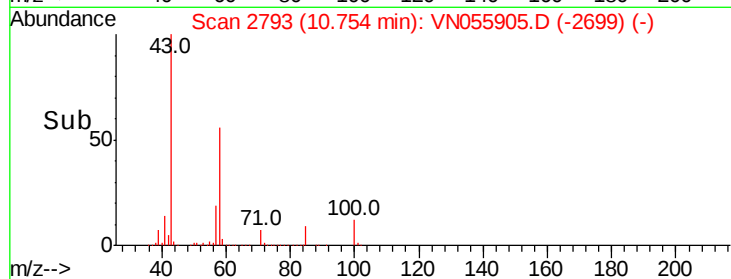
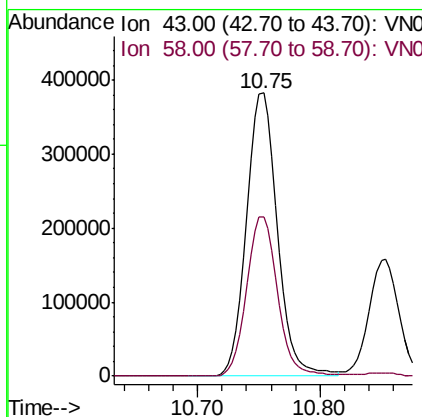
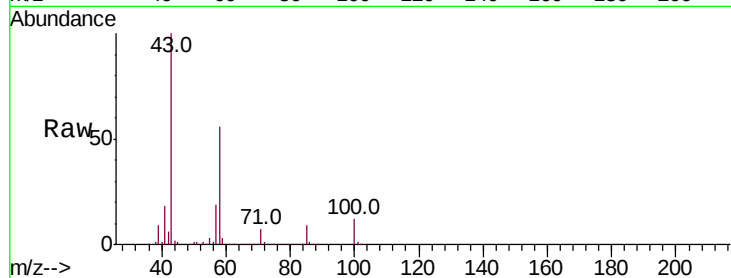
#59
2-Hexanone
Concen: 255.183 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 663340
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.7

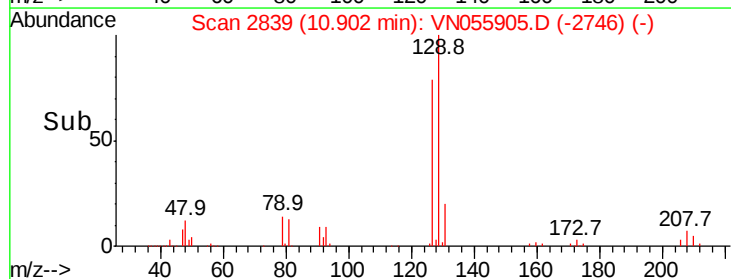
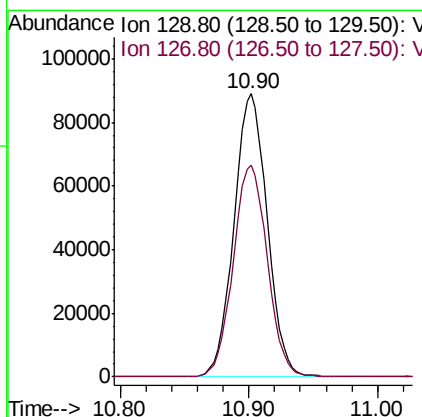
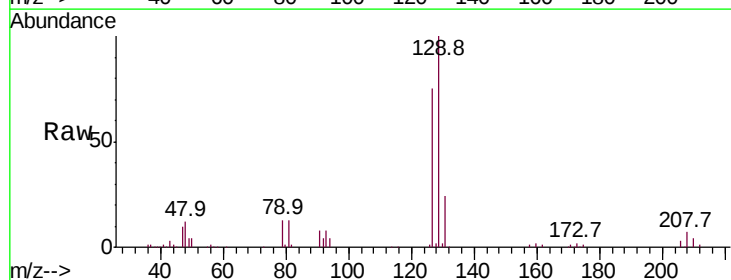
Manual Integrations
APPROVED

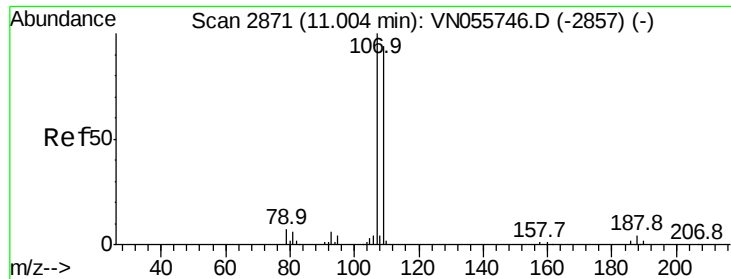
MMDadoda
5/31/2019 9:38:50 AM



#60
Dibromochloromethane
Concen: 47.244 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion: 129 Resp: 159672
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





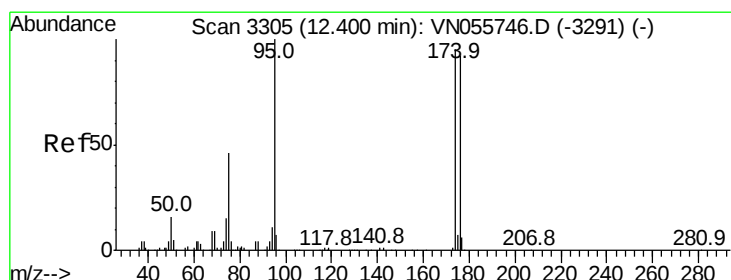
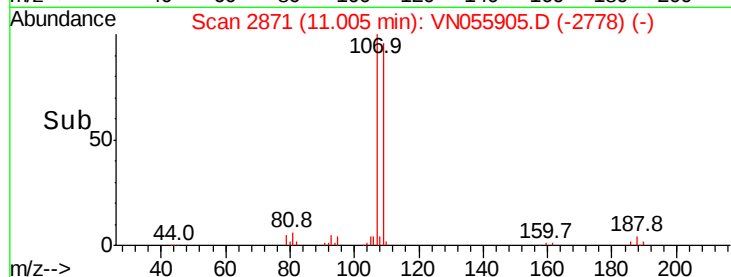
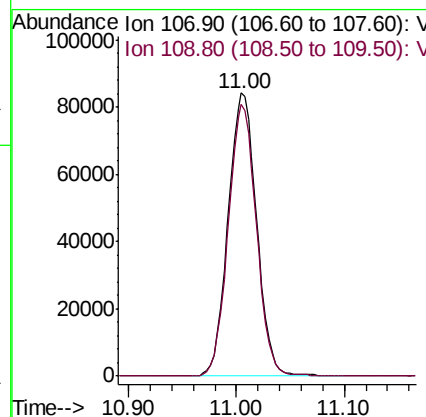
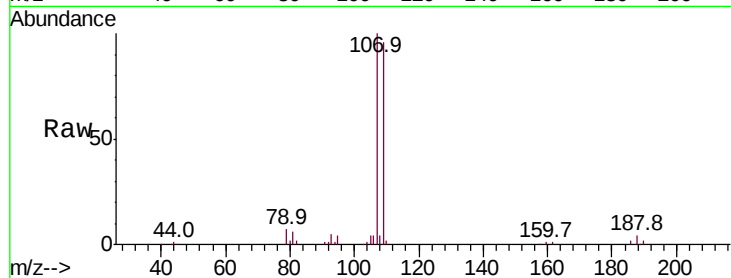
#61
 1,2-Dibromoethane
 Concen: 51.483 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.8	112.2

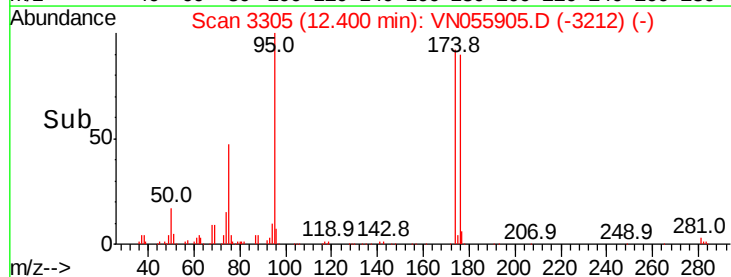
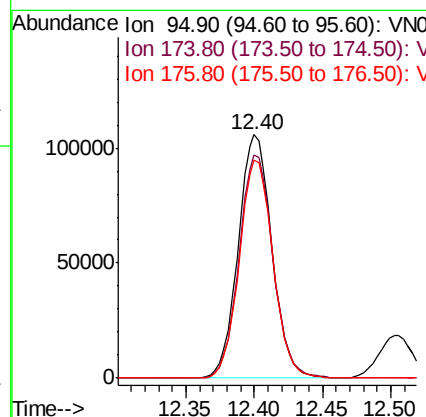
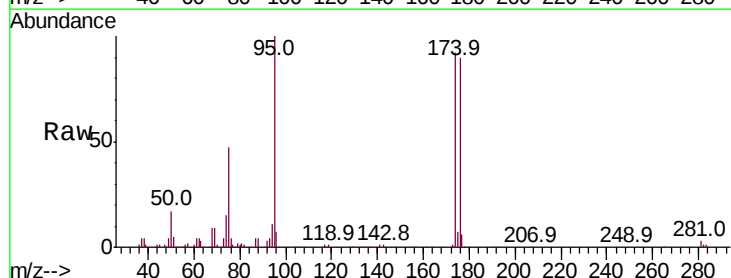
Manual Integrations
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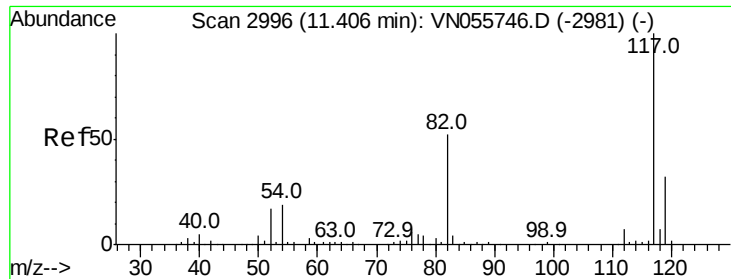
MMDadoda
 5/31/2019 9:38:50 AM



#62
 4-Bromofluorobenzene
 Concen: 49.589 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	191.0
176	89.9	0.0	185.2





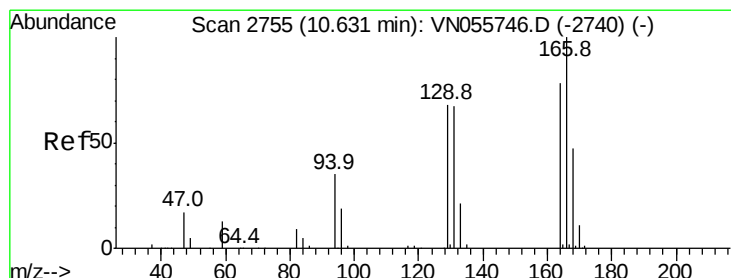
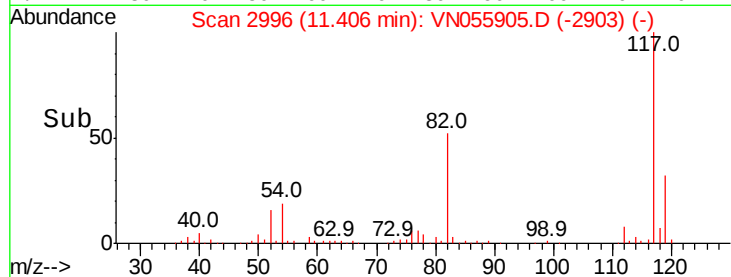
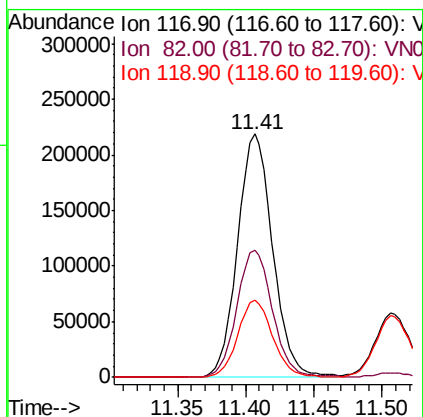
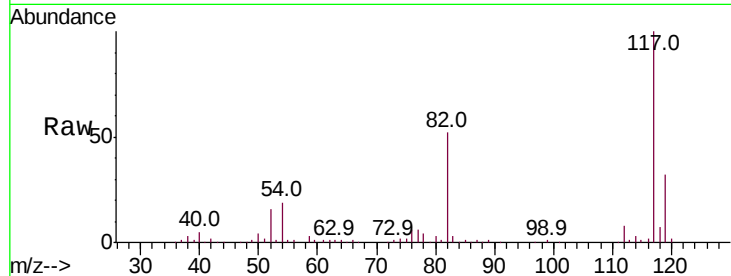
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	31.7	25.4	38.0

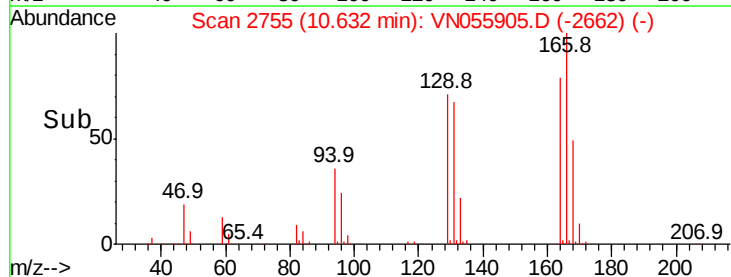
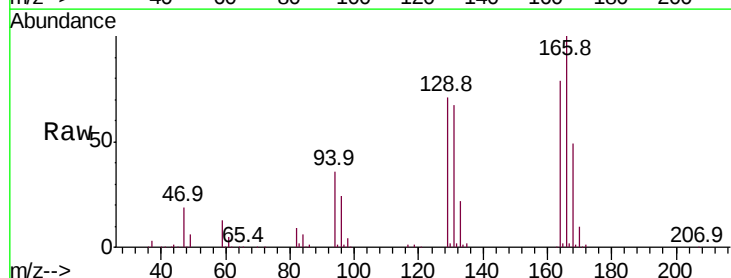
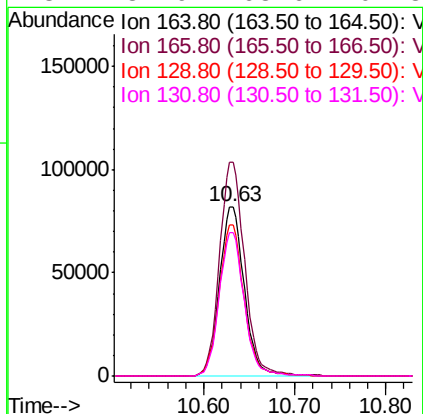
Manual Integrations
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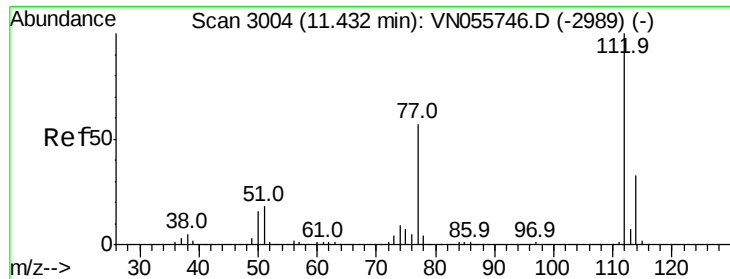
MMDadoda
5/31/2019 9:38:50 AM



#64
Tetrachloroethene
Concen: 46.973 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.0	154.6
129	89.2	70.6	105.8
131	84.9	68.6	102.8





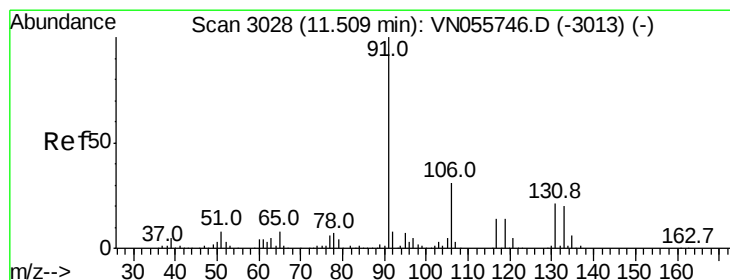
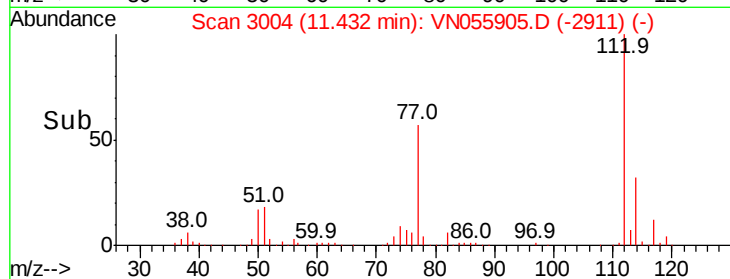
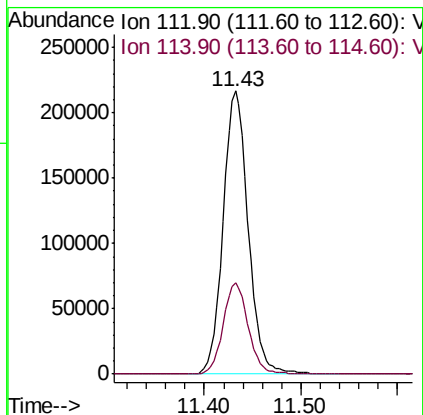
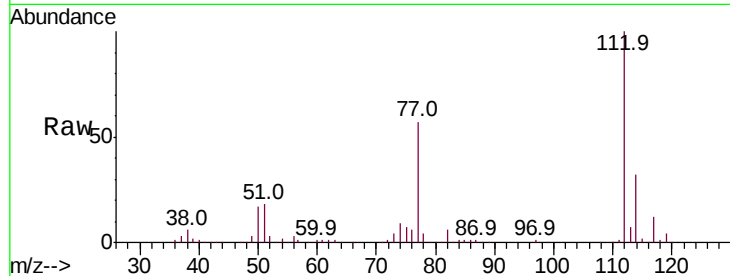
#65
Chlorobenzene
Concen: 49.548 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 388958
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

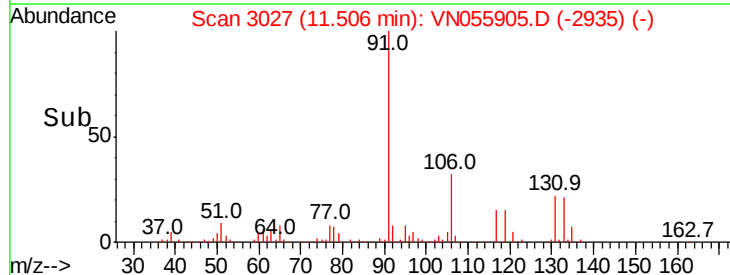
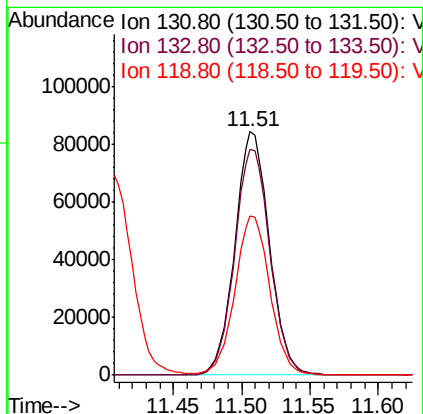
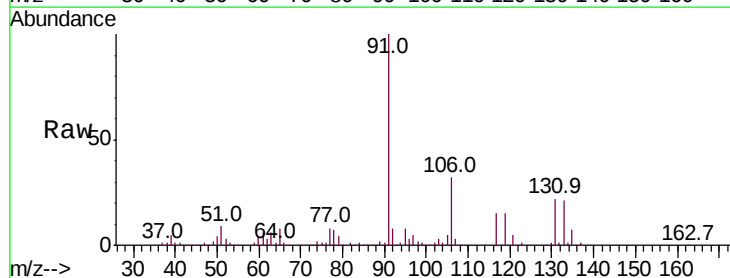
Manual Integrations
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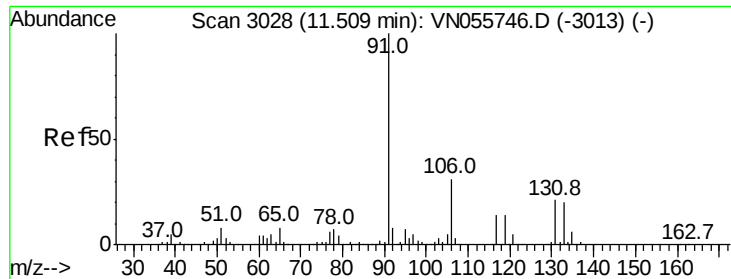
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5/31/2019 9:38:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.257 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion:131 Resp: 147956
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 66.2 33.1 99.5





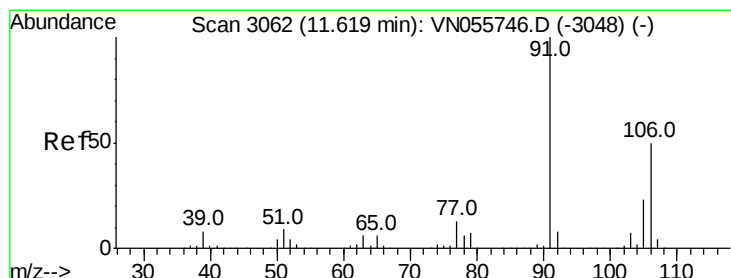
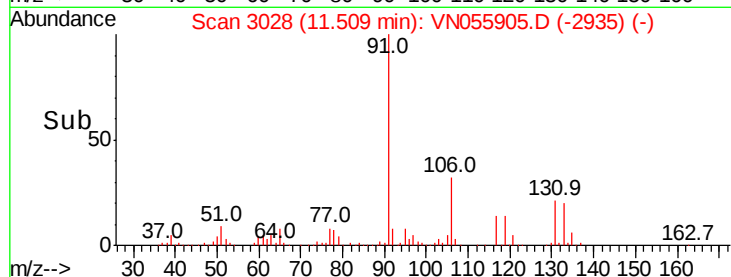
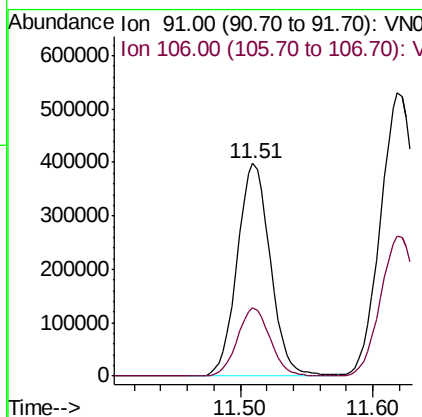
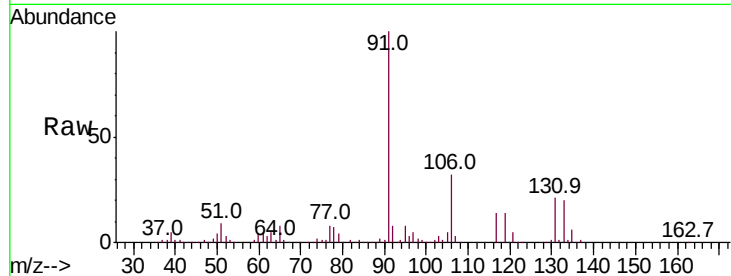
#67
Ethyl Benzene
Concen: 49.028 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 690187
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

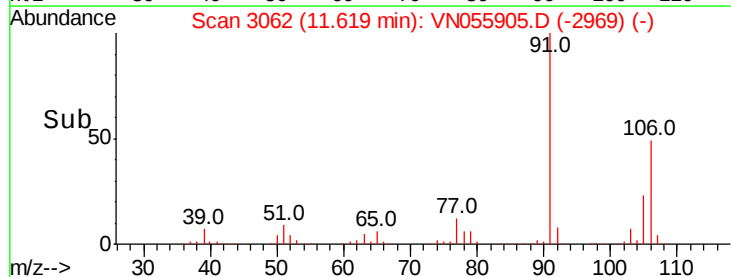
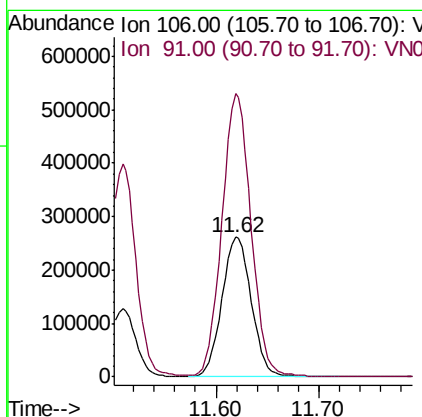
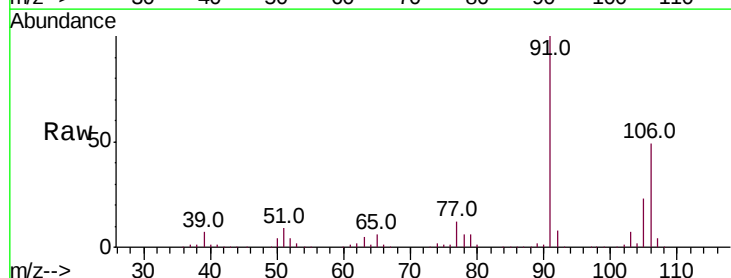
Manual Integrations
APPROVED

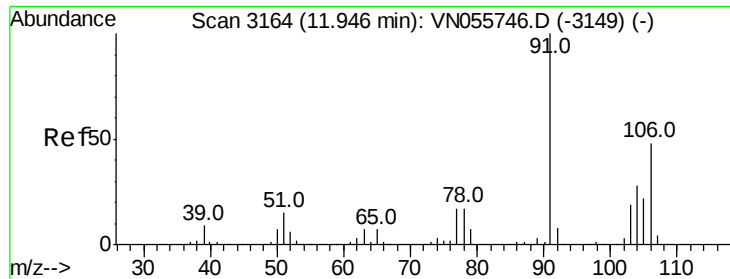
MMDadoda
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#68
m/p-Xylenes
Concen: 98.003 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion: 106 Resp: 521567
Ion Ratio Lower Upper
106 100
91 199.7 159.3 238.9





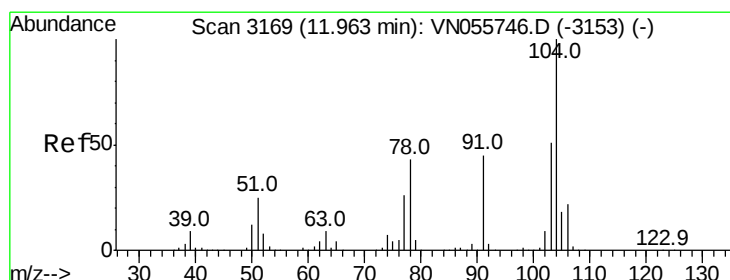
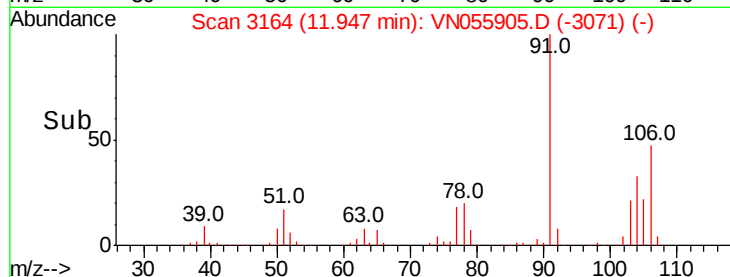
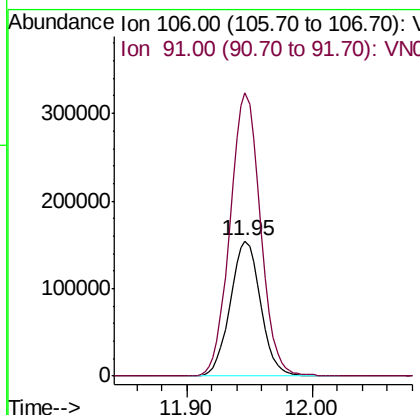
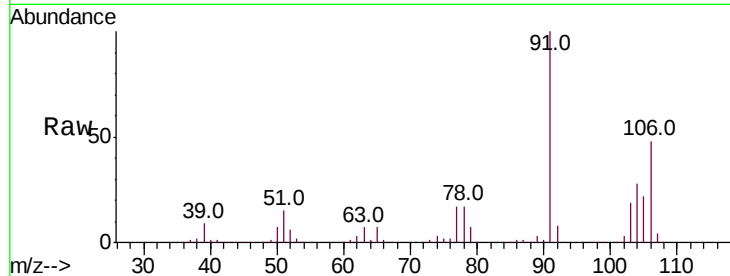
#69
o-Xylene
Concen: 49.073 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 259109
Ion Ratio Lower Upper
106 100
91 209.8 104.7 314.1

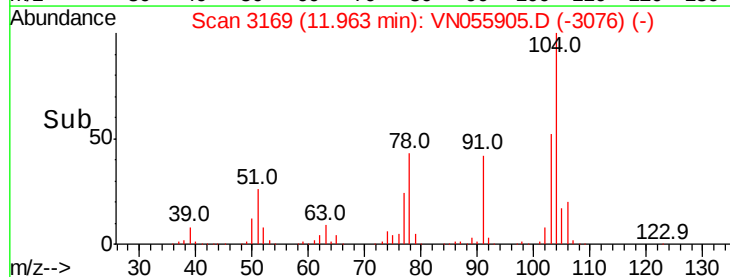
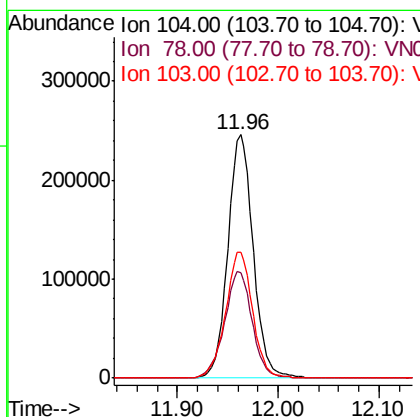
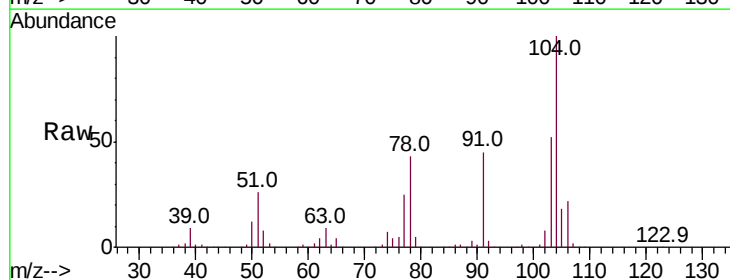
Manual Integrations
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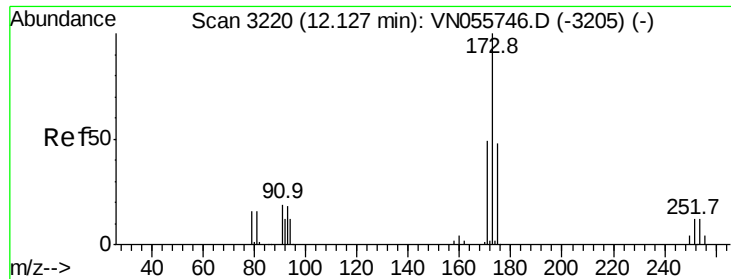
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#70
Styrene
Concen: 50.408 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion:104 Resp: 431017
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.6
103 55.2 44.2 66.2





#71

Bromoform

Concen: 42.390 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

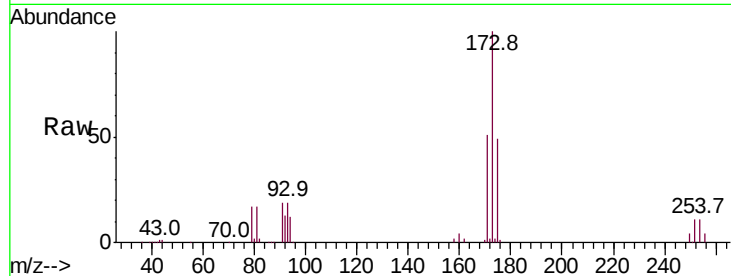
ClientSampleId :

VSTDCCC050EC

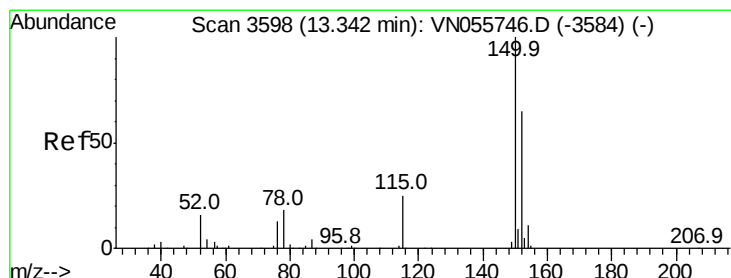
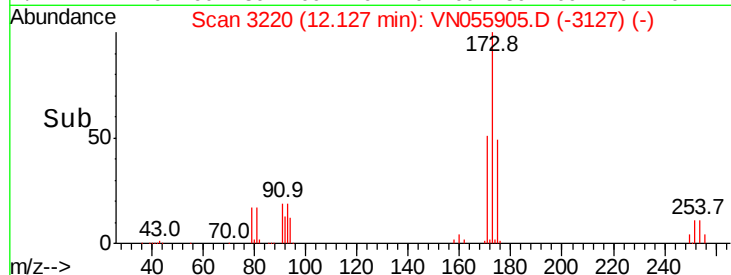
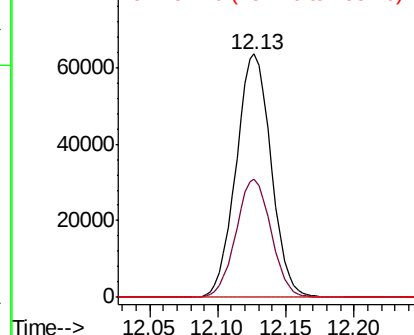
Tot Ion:	173	Resp:	113203
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

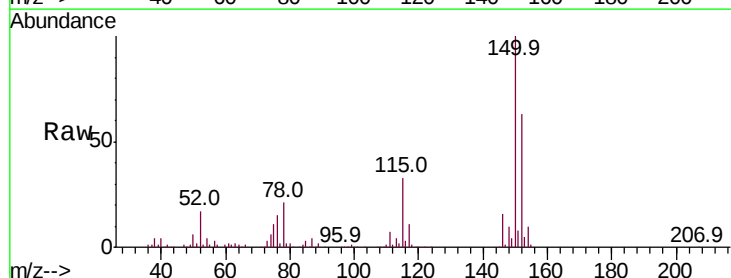
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

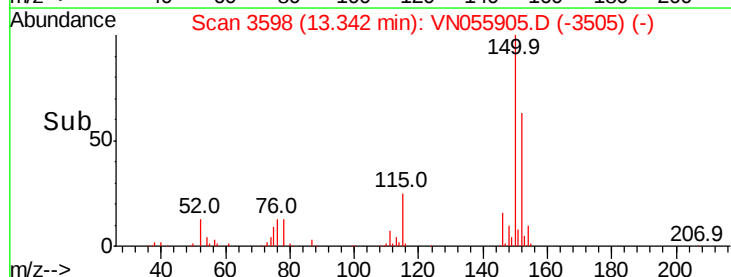
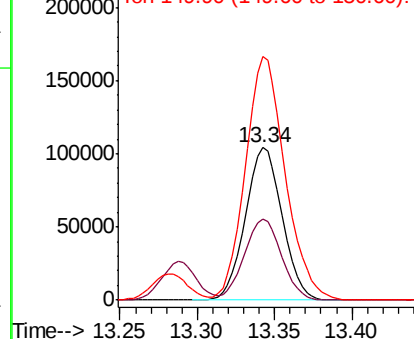
Lab File: VN055905.D

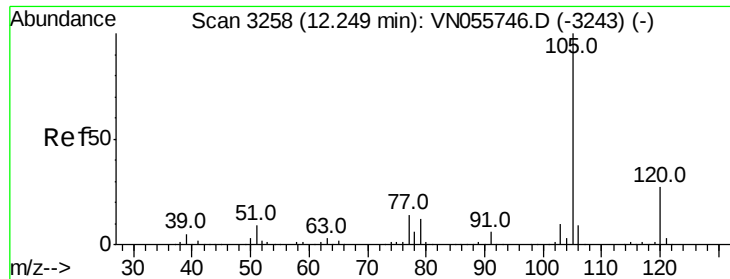
Acq: 30 May 2019 17:29

Tgt Ion:	152	Resp:	172277
Ion Ratio	Lower	Upper	
152	100		
115	53.7	27.0	81.0
150	173.0	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.795 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 679967

Ion Ratio Lower Upper

105 100

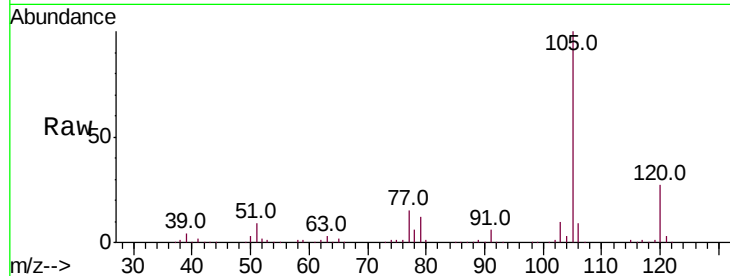
120 27.1 13.6 40.7

Manual Integrations

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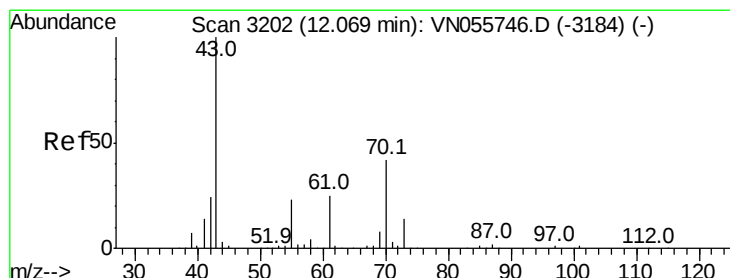
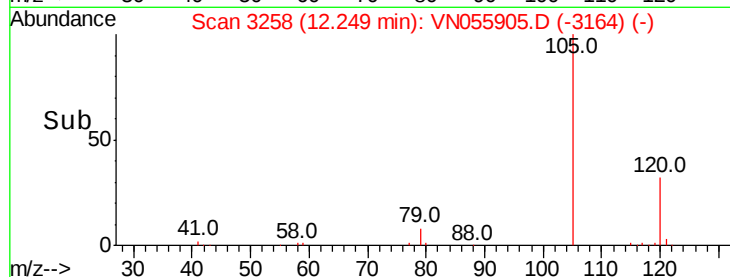
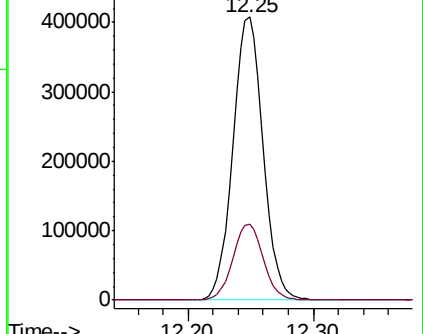
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.942 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion: 43 Resp: 250806

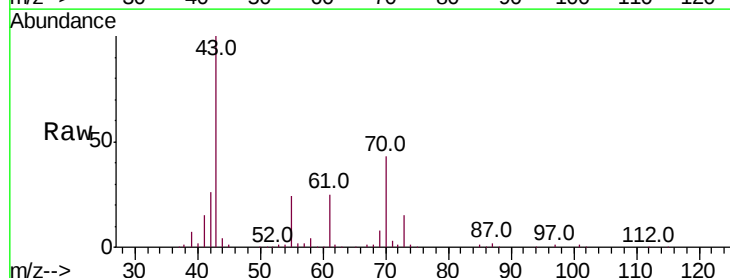
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 24.0 18.6 28.0

61 25.1 20.0 30.0

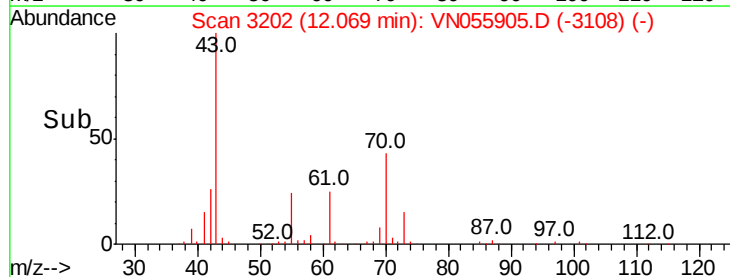
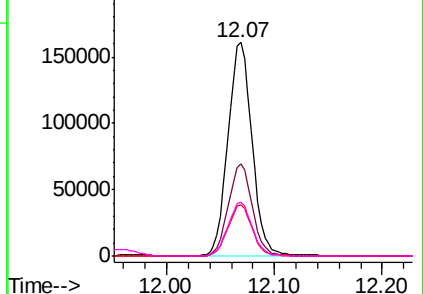


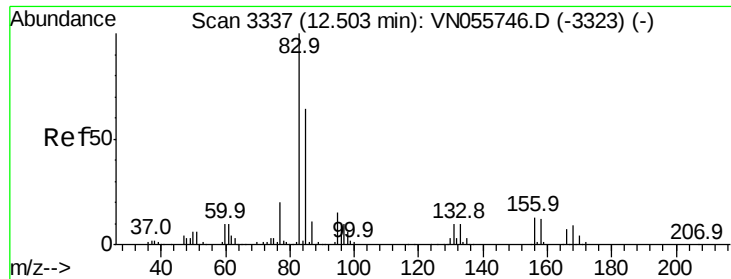
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 58.034 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

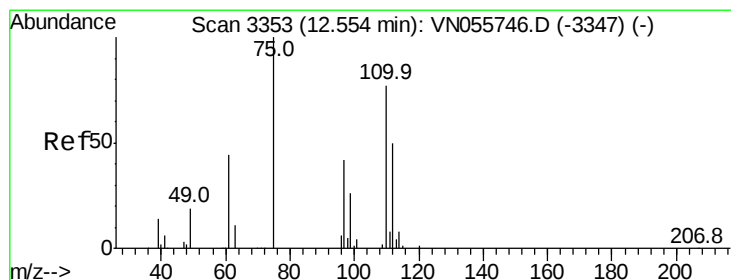
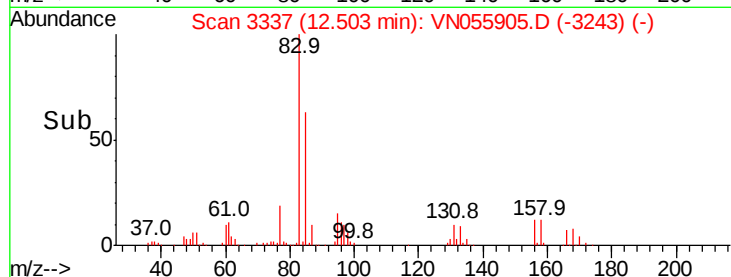
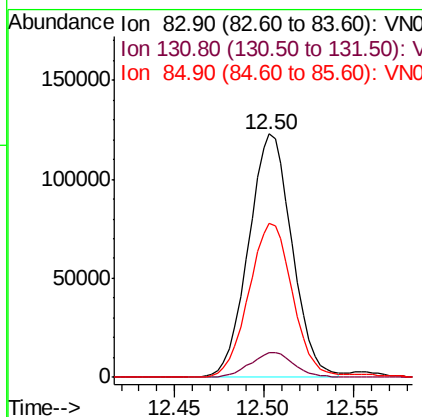
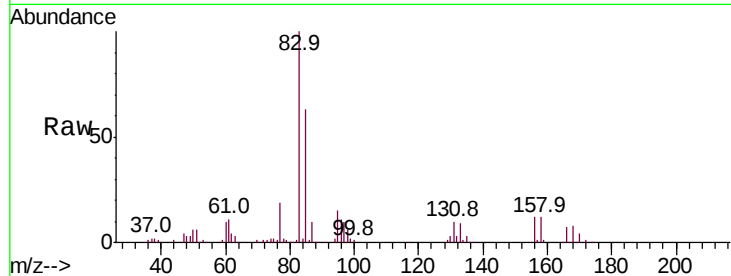
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	208703
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	63.9	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.702 ug/l m

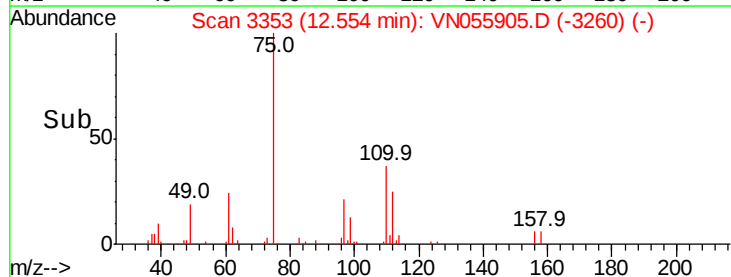
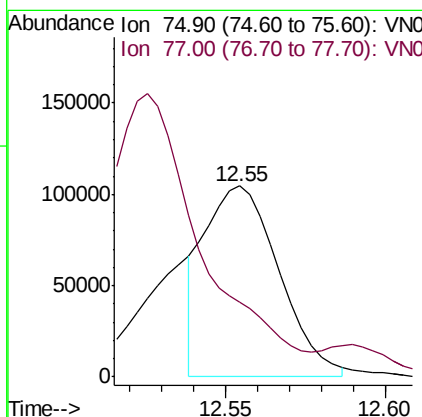
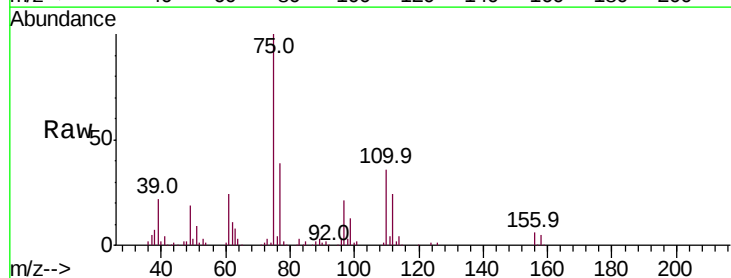
RT: 12.55 min Scan# 3353

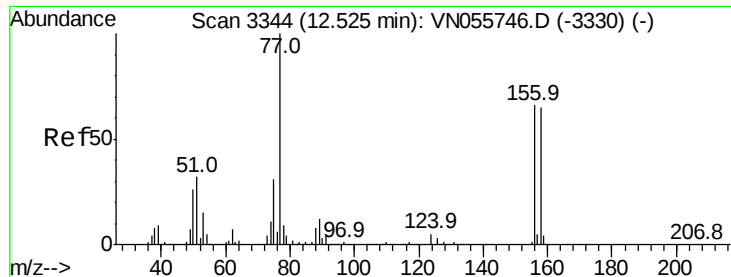
Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion:	75	Resp:	169729
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.121 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

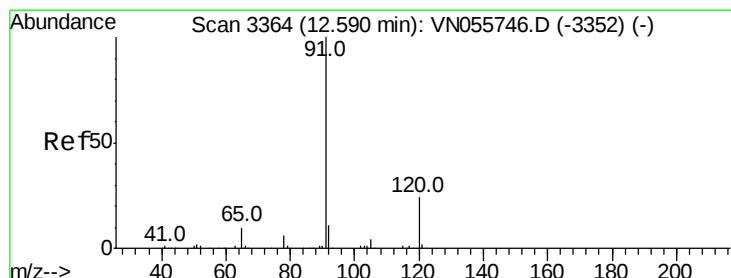
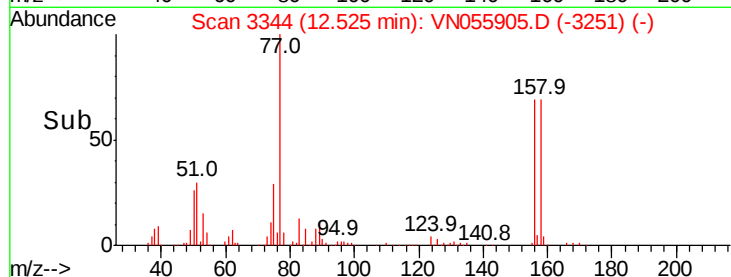
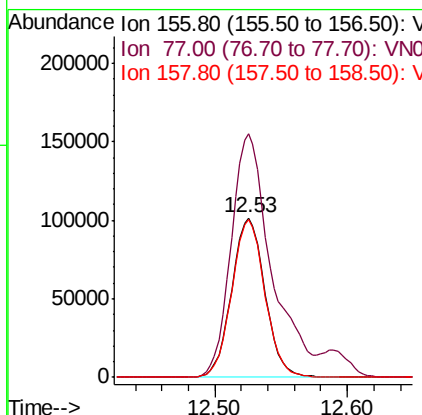
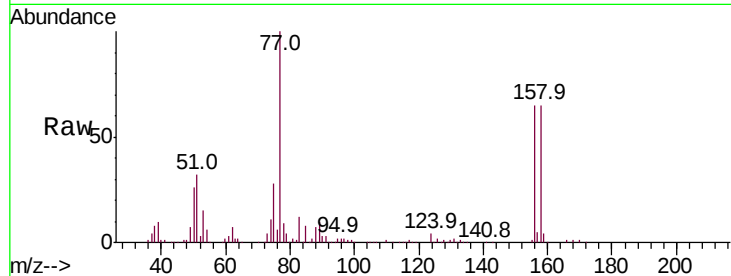
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	176902
Ion Ratio	Lower	Upper	
156	100		
77	185.8	90.8	272.5
158	98.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.937 ug/l

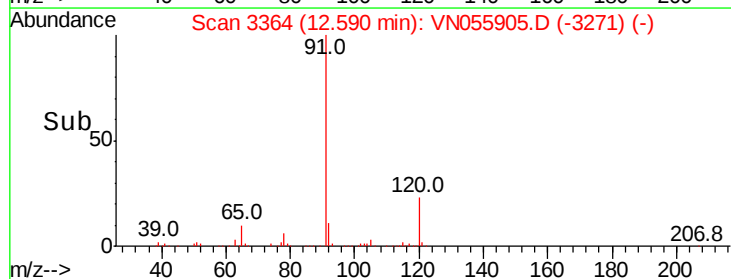
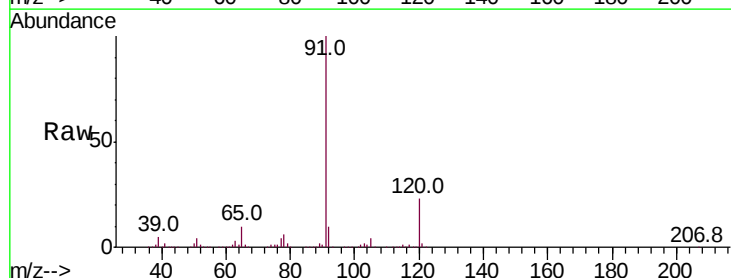
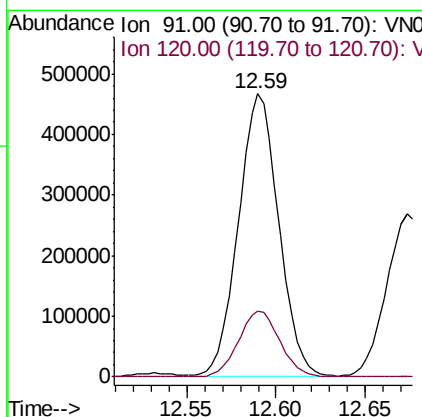
RT: 12.59 min Scan# 3364

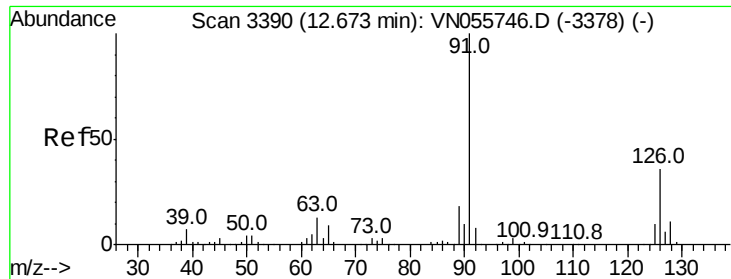
Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Tgt Ion:	91	Resp:	732751
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





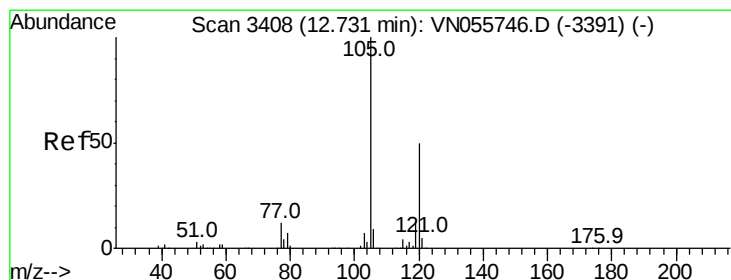
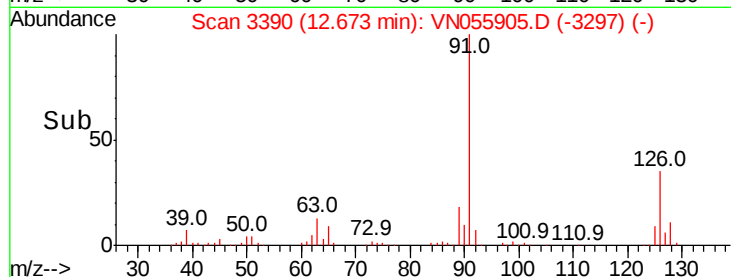
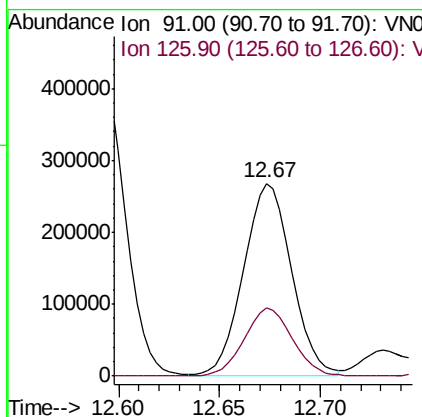
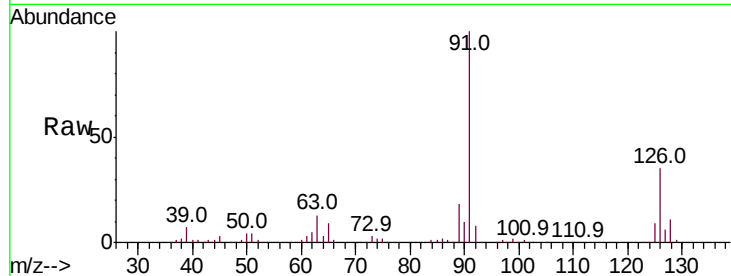
#79
 2-Chlorotoluene
 Concen: 55.212 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 443152
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.1 54.4

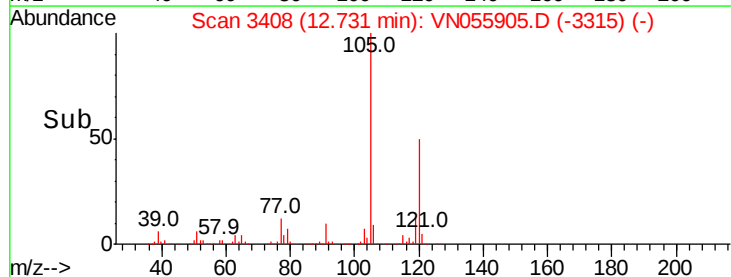
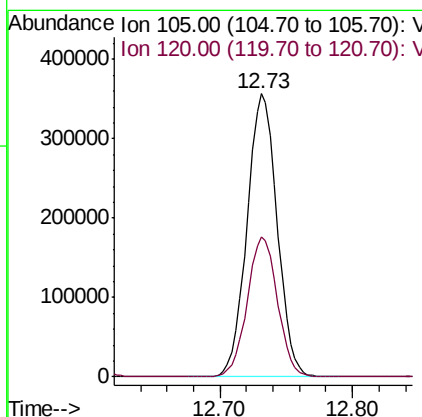
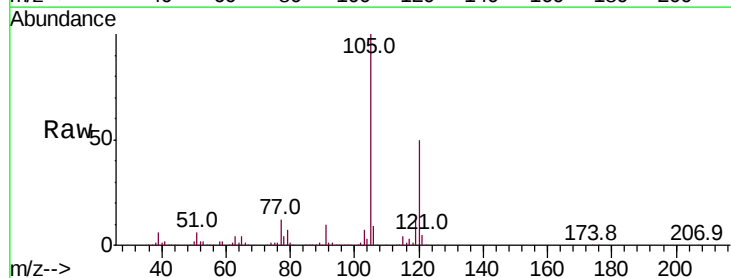
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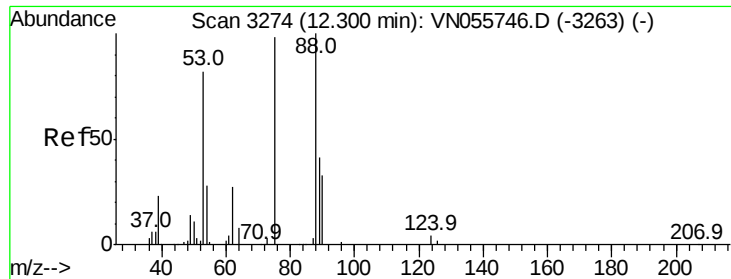
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.645 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion: 105 Resp: 561220
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.148 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055905.D

Acq: 30 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57808

Ion Ratio Lower Upper

75 100

53 93.3 68.1 102.1

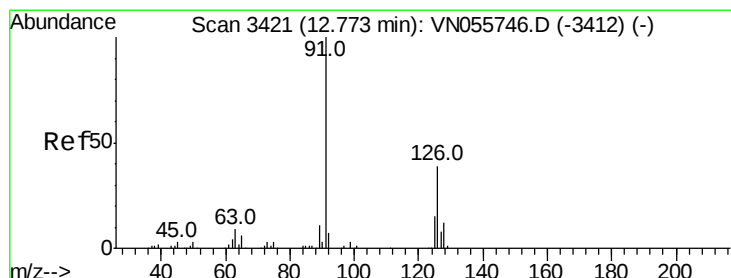
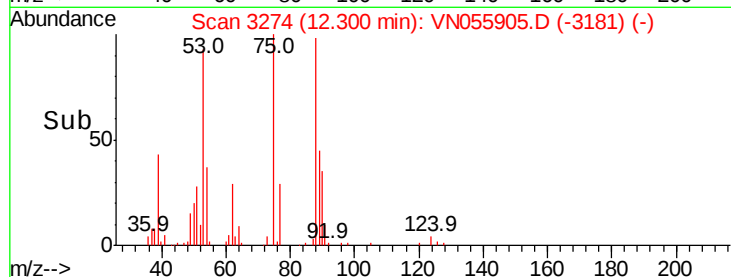
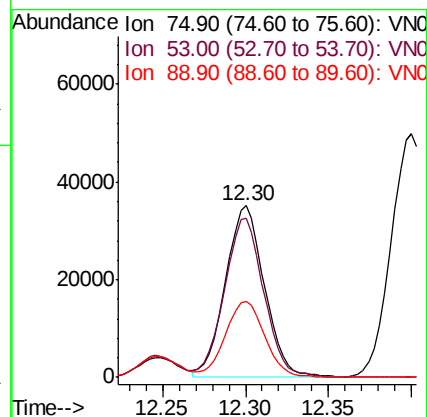
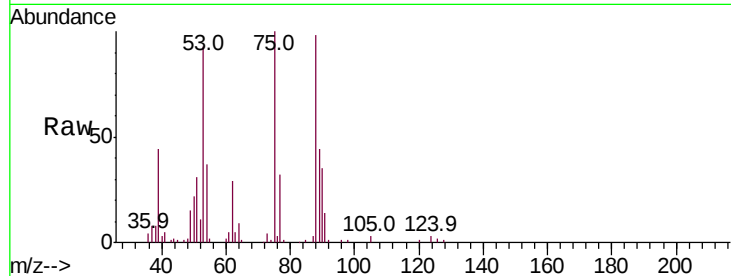
89 45.1 36.9 55.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.840 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055905.D

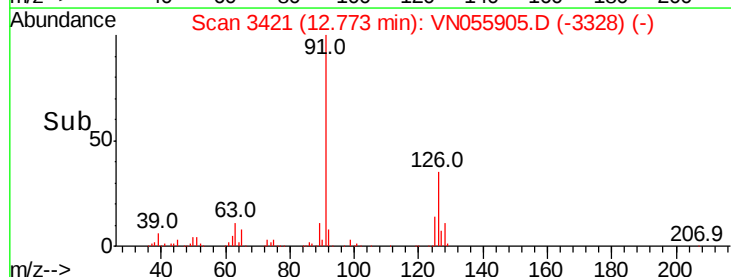
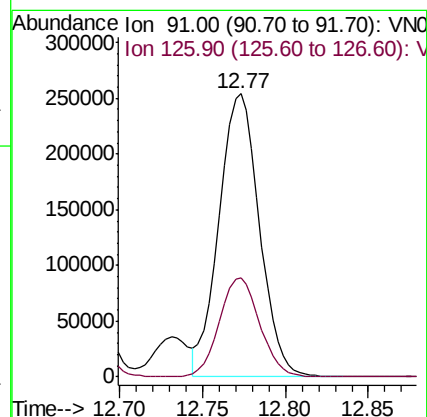
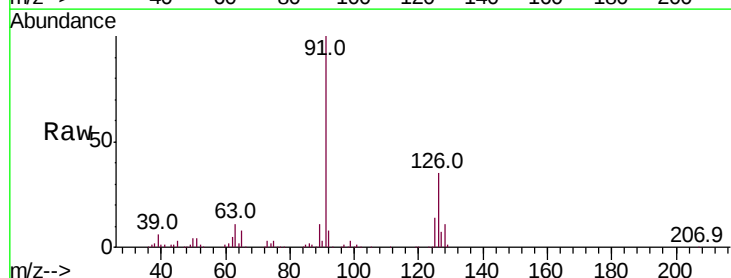
Acq: 30 May 2019 17:29

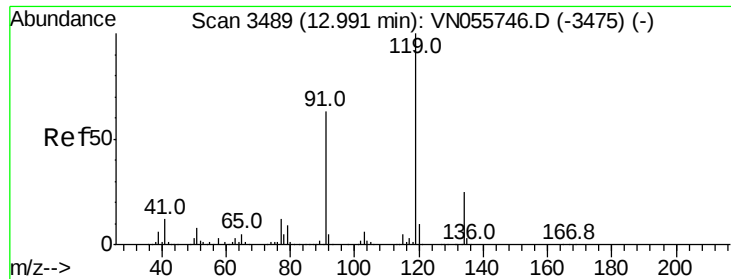
Tgt Ion: 91 Resp: 429869

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.3





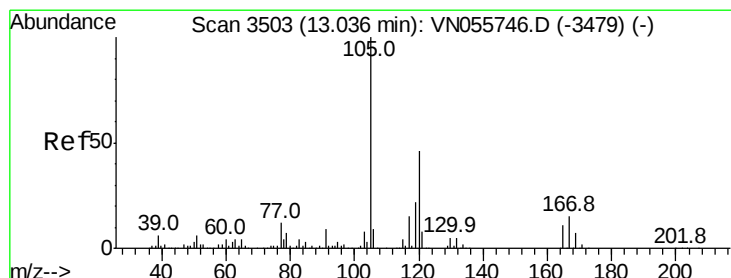
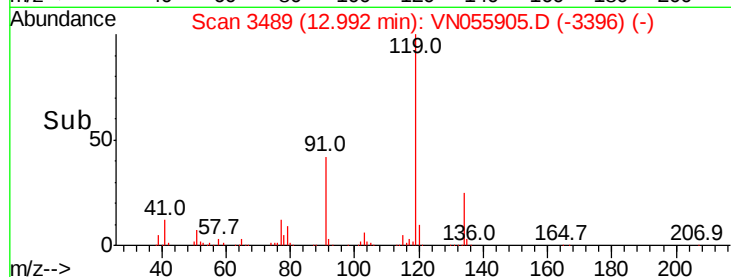
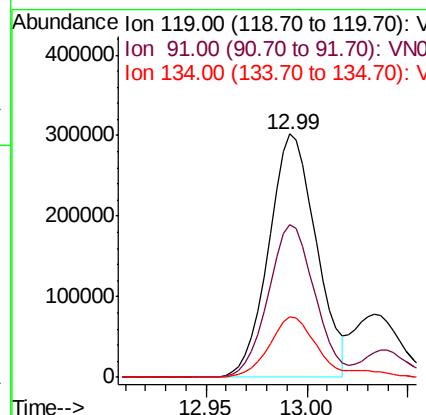
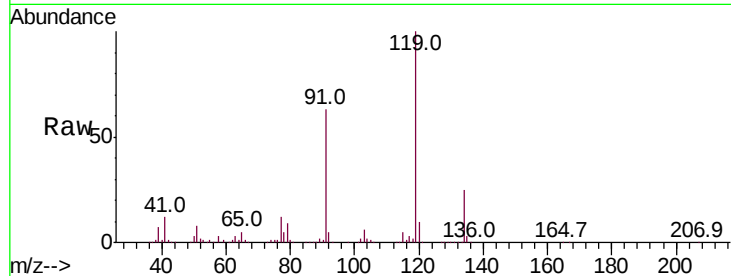
#83
 tert-Butylbenzene
 Concen: 55.730 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.8
134	26.3	13.3	39.8

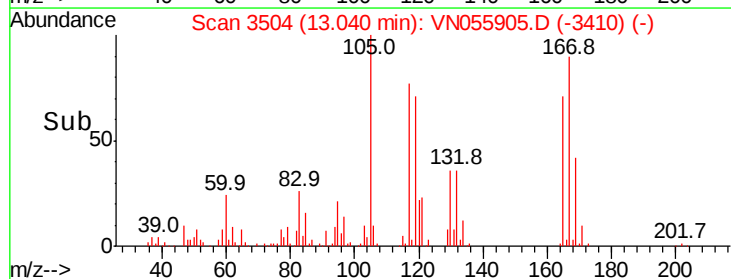
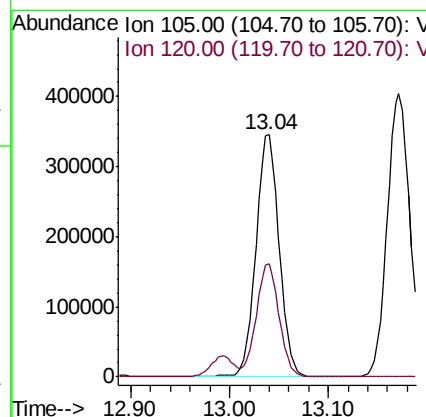
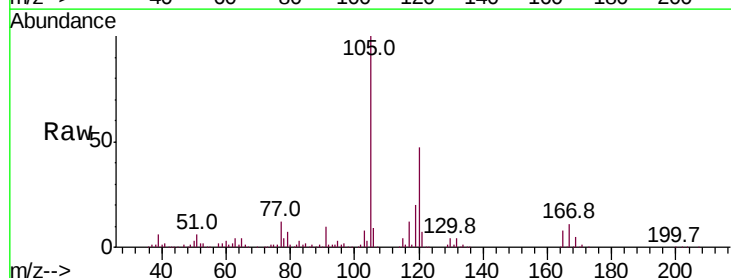
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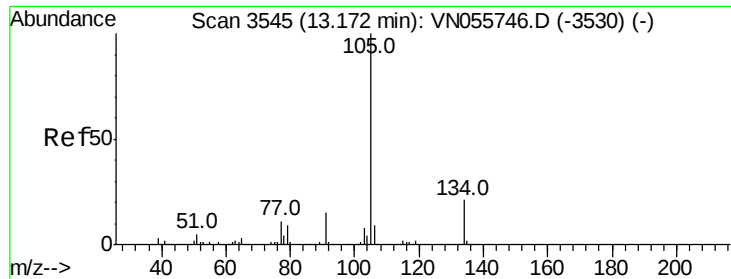
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.345 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





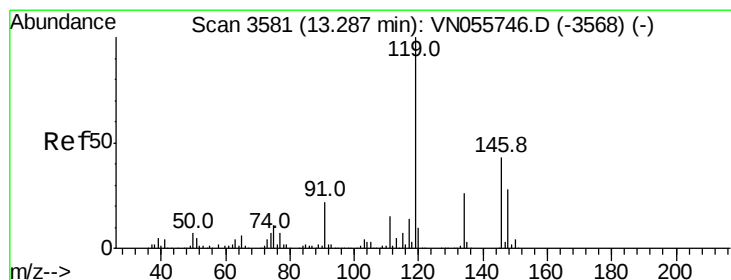
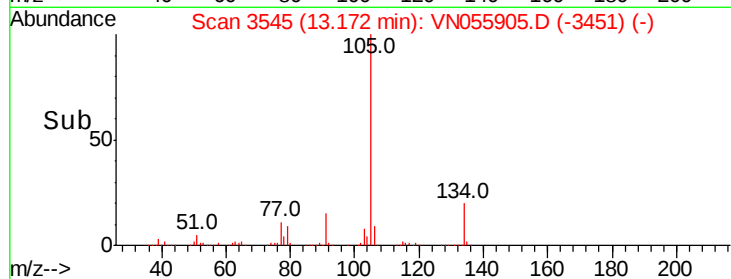
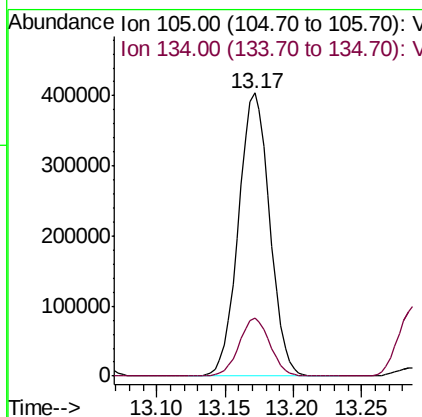
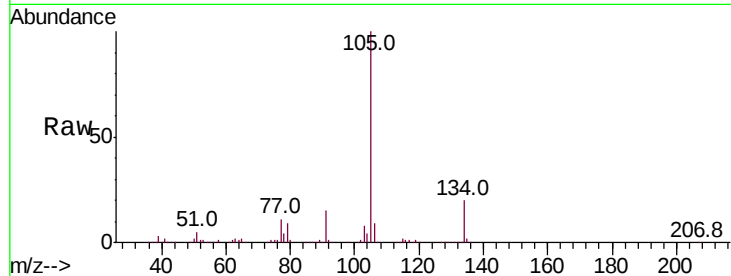
#85
 sec-Butylbenzene
 Concen: 55.655 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.4	31.2

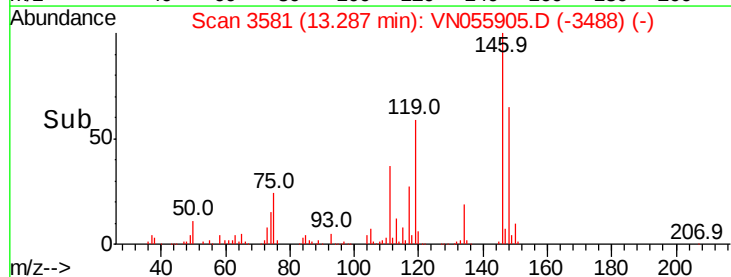
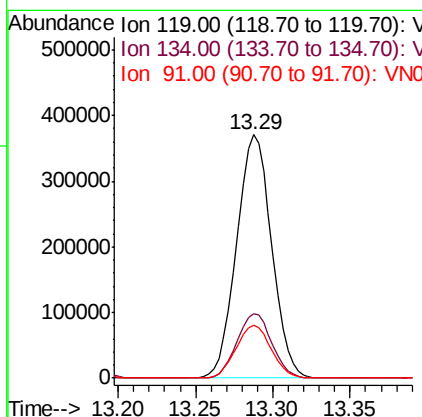
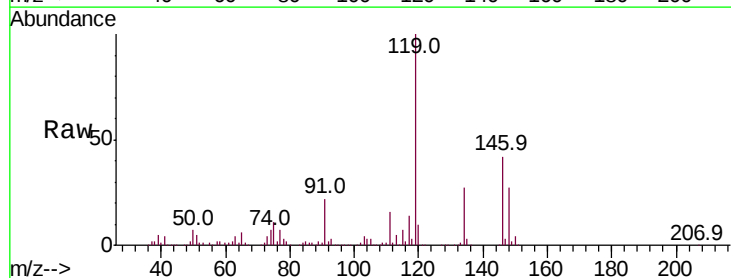
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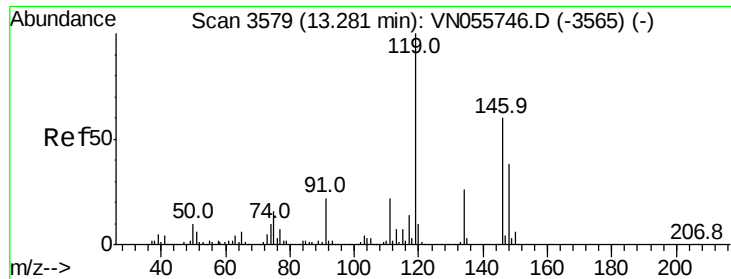
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#86
 p-Isopropyltoluene
 Concen: 48.568 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	21.8	10.9	32.9





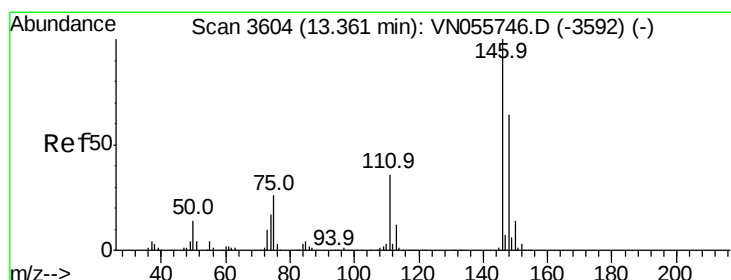
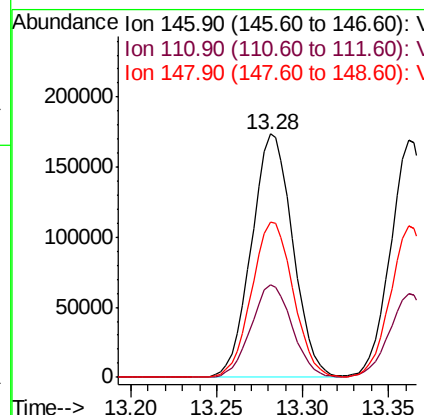
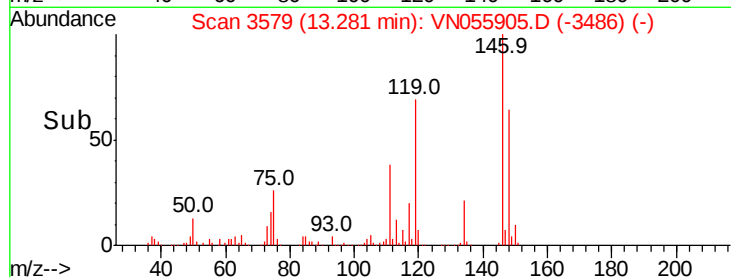
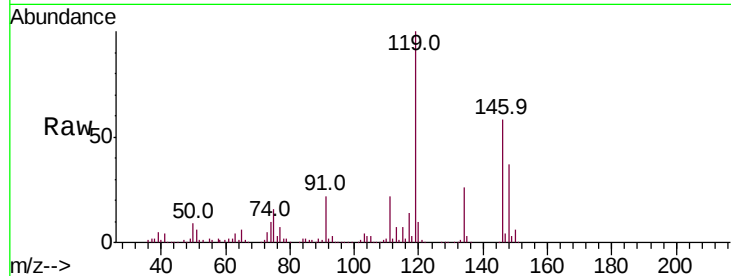
#87
 1,3-Dichlorobenzene
 Concen: 49.732 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.5	55.5
148	64.2	32.0	96.2

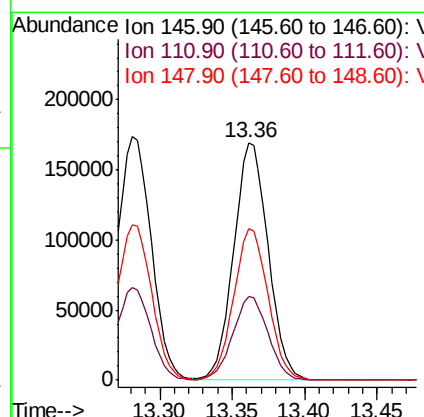
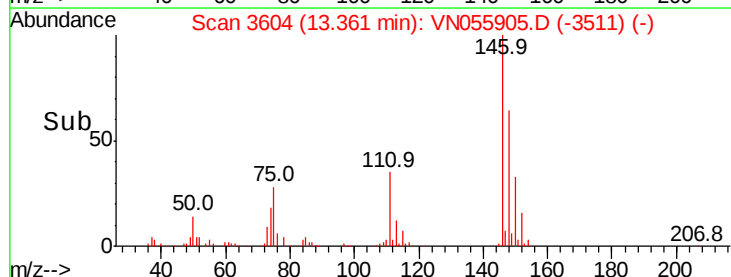
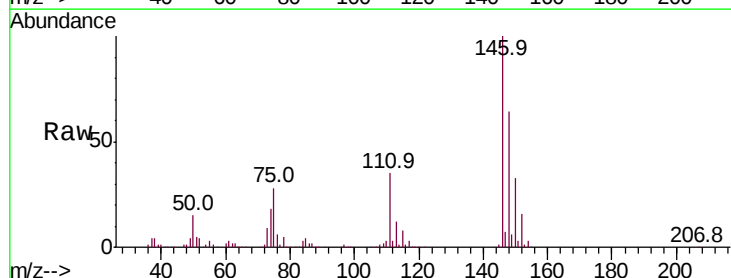
Manual Integrations
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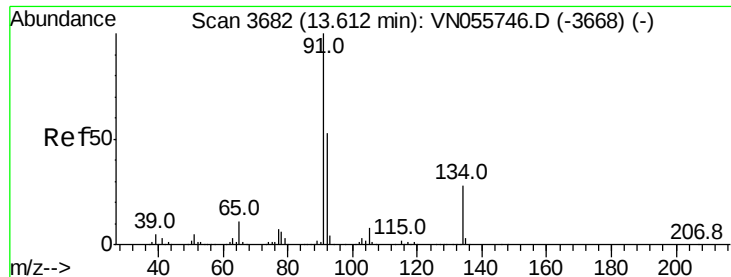
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 5/31/2019 9:38:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.480 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	63.6	32.1	96.5





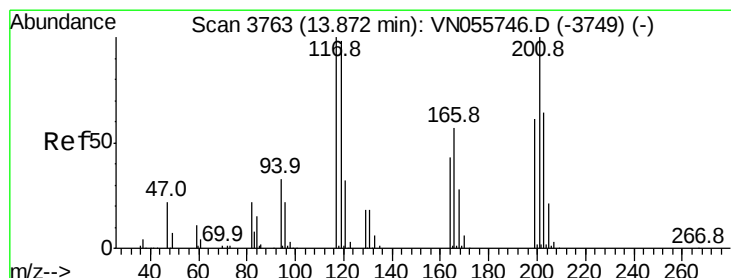
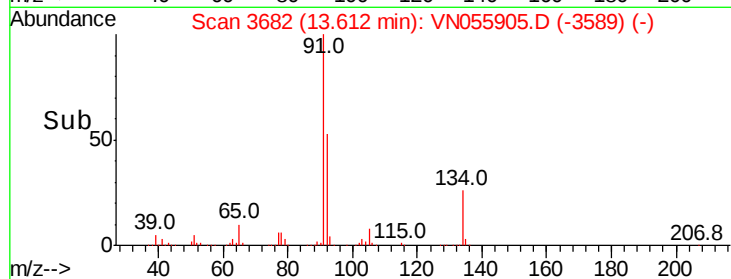
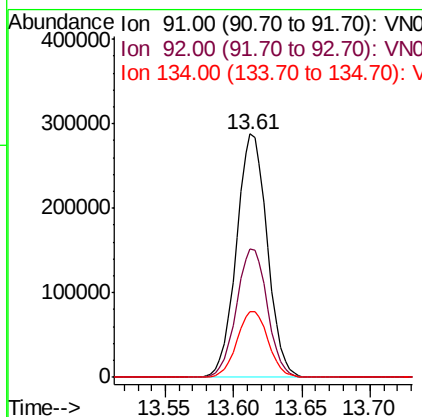
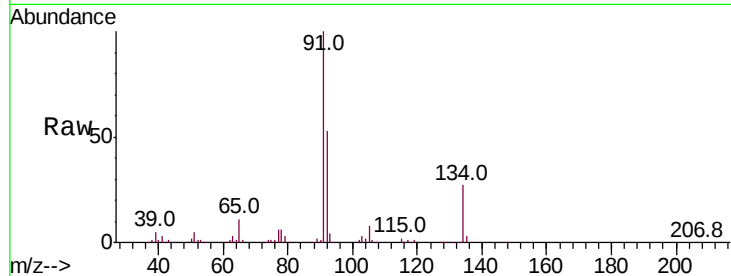
#89
n-Butylbenzene
Concen: 49.065 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.0
134	27.6	13.9	41.7

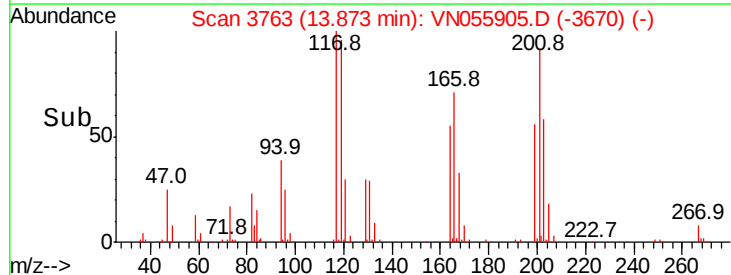
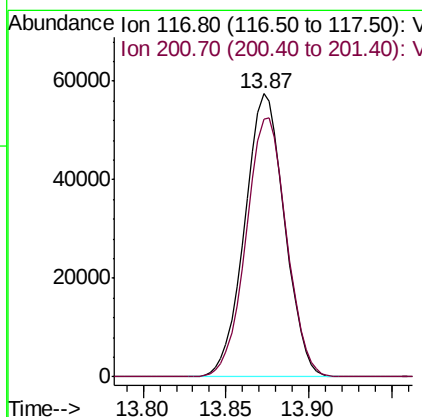
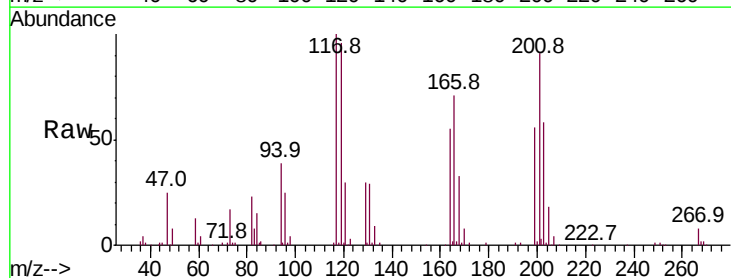
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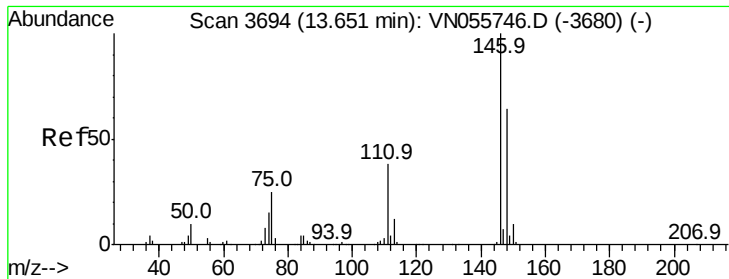
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5/31/2019 9:38:50 AM



#90
Hexachloroethane
Concen: 42.207 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	50.0	150.0





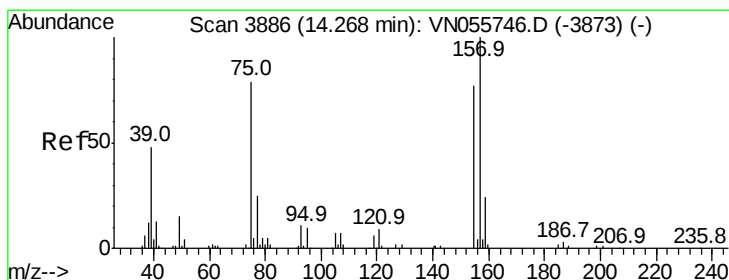
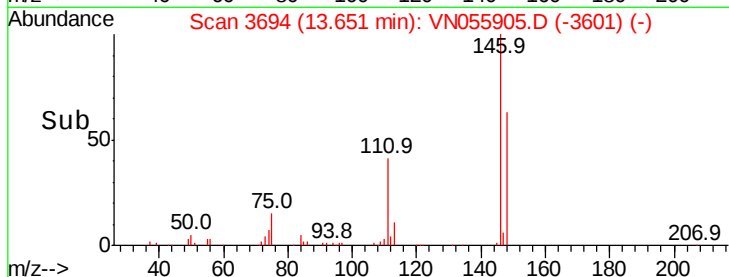
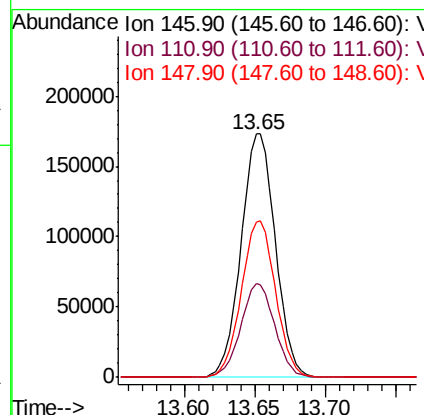
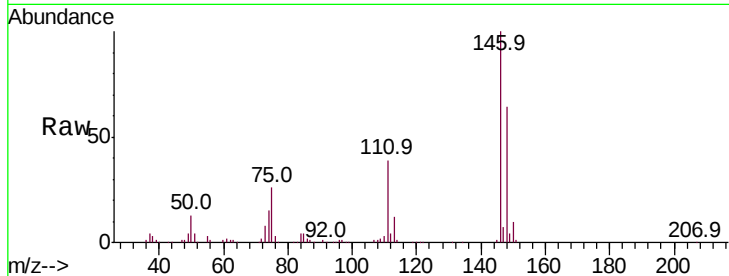
#91
 1,2-Dichlorobenzene
 Concen: 50.792 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.0	31.9	95.9

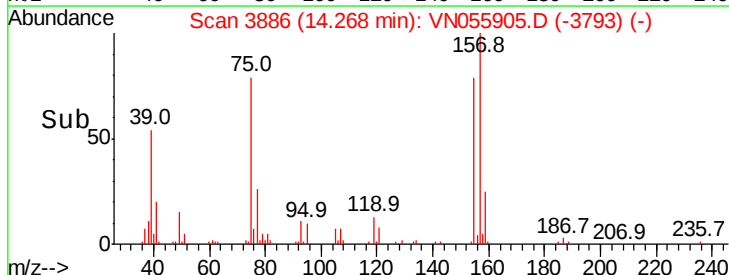
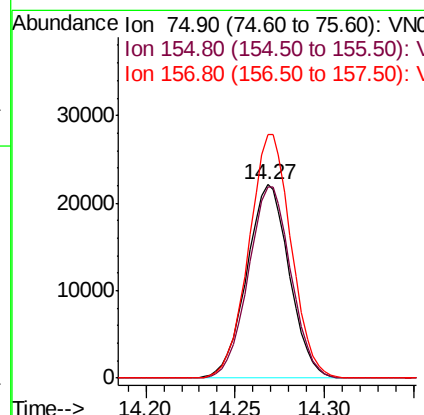
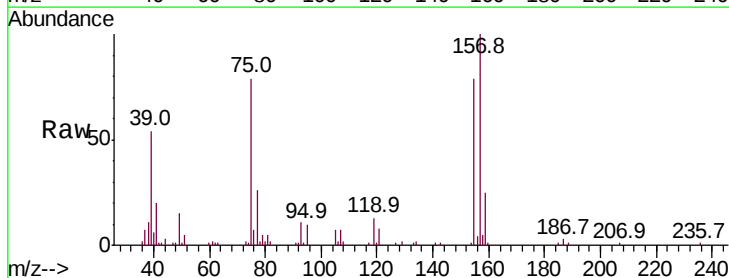
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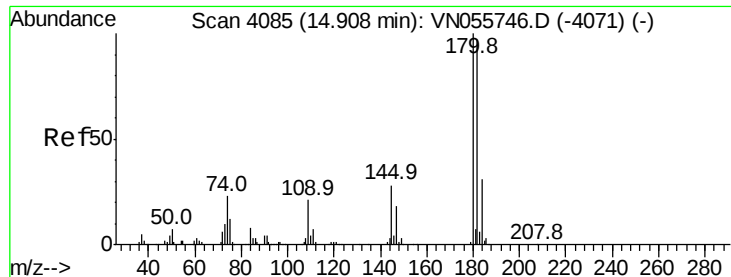
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.294 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	50.0	150.1
157	125.3	64.8	194.3





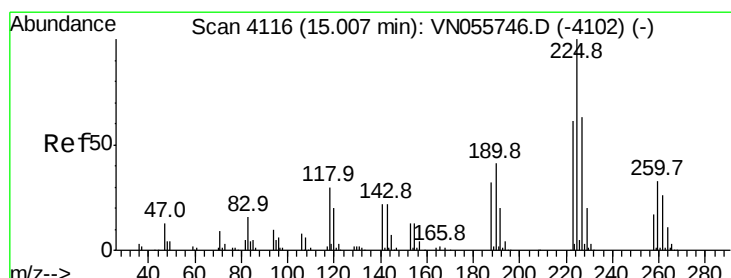
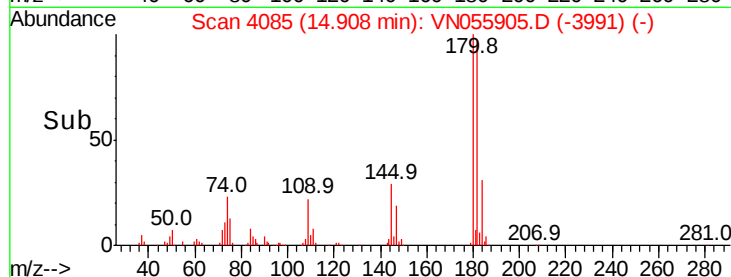
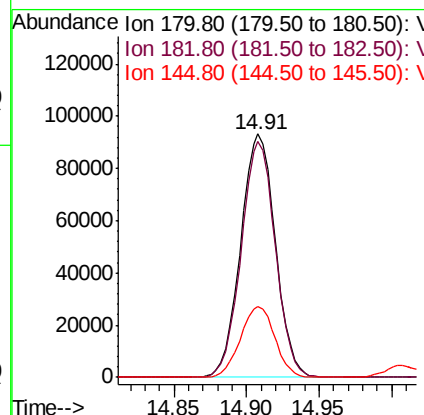
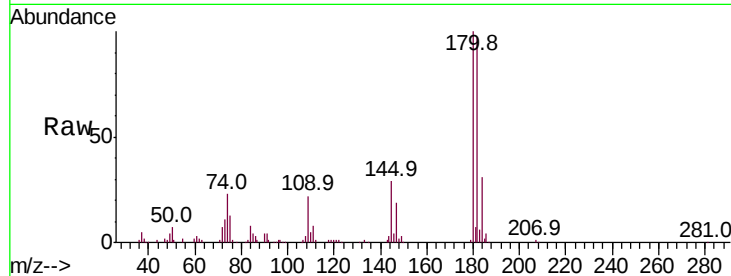
#93
 1,2,4-Trichlorobenzene
 Concen: 46.462 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	154320		
182	95.4	48.3	144.9	
145	28.8	14.0	41.9	

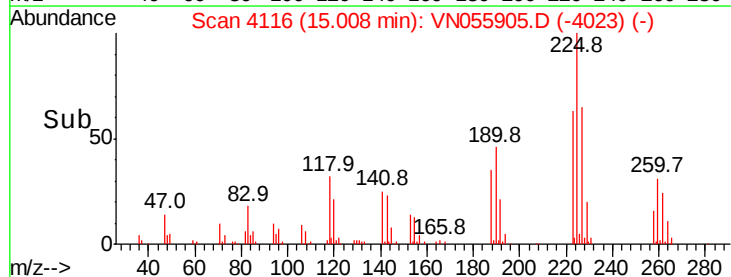
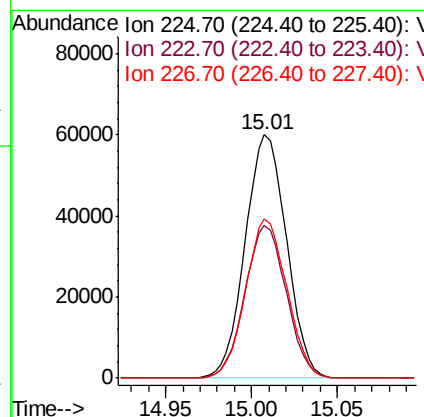
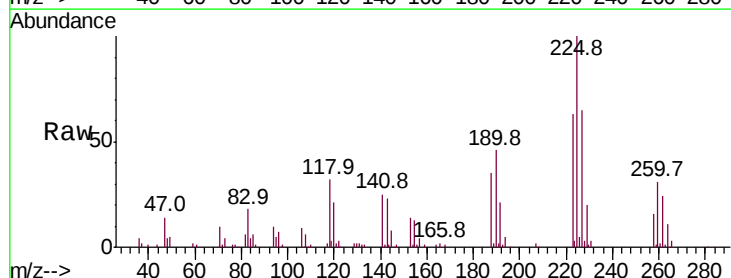
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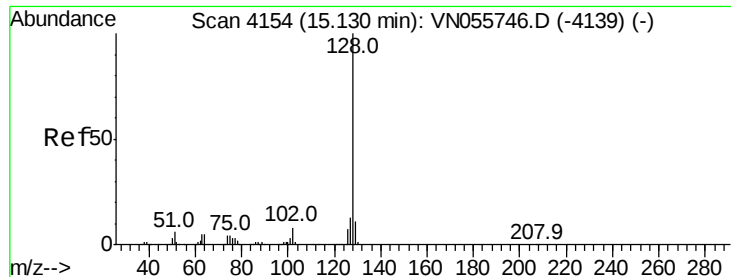
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 5/31/2019 9:38:50 AM



#94
 Hexachlorobutadiene
 Concen: 49.134 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055905.D
 Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100488		
223	62.7	30.9	92.7	
227	64.9	31.6	94.7	





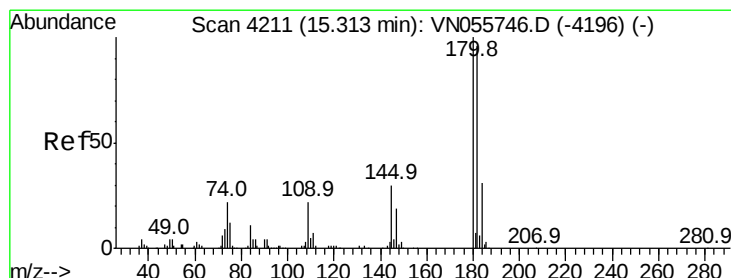
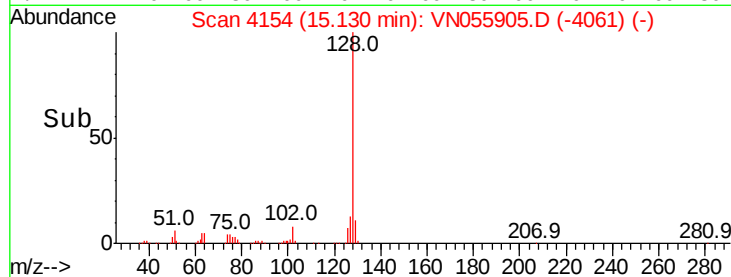
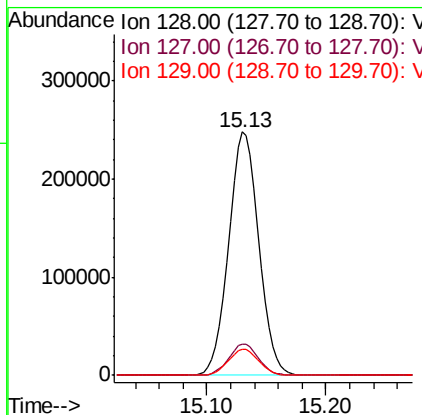
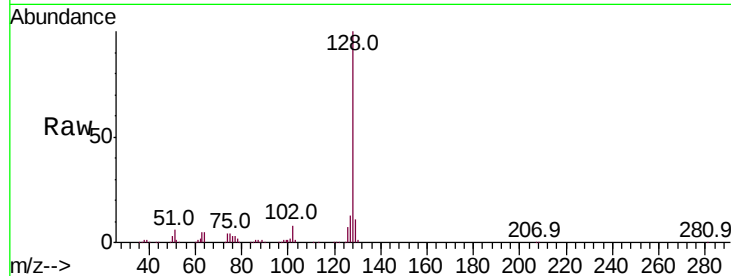
#95
Naphthalene
Concen: 54.520 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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5/31/2019 9:38:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.671 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055905.D
Acq: 30 May 2019 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	30.4	14.9	44.7

