

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056207.D
 Acq On : 11 Jun 2019 8:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:58:45 AM

Quant Time: Jun 11 09:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	280415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	409181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	373537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	141291	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	131110	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	10.09	98	479538	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	164639	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143635	46.649	ug/l	100
3) Chloromethane	2.06	50	153875	50.622	ug/l	99
4) Vinyl Chloride	2.18	62	154343	50.619	ug/l	99
5) Bromomethane	2.53	94	94350	48.985	ug/l	100
6) Chloroethane	2.68	64	86951	49.184	ug/l	99
7) Trichlorofluoromethane	3.00	101	193578	49.731	ug/l	100
8) Diethyl Ether	3.40	74	76946	48.069	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	118480	50.107	ug/l	98
10) Methyl Iodide	3.94	142	176208	46.894	ug/l	99
11) Tert butyl alcohol	4.81	59	119002	245.605	ug/l	98
12) 1,1-Dichloroethene	3.72	96	118270	50.241	ug/l	96
13) Acrolein	3.60	56	49239	352.359	ug/l	99
14) Allyl chloride	4.31	41	181197	48.746	ug/l	97
15) Acrylonitrile	4.99	53	342888	290.713	ug/l	99
16) Acetone	3.82	43	278804	209.369	ug/l	100
17) Carbon Disulfide	4.04	76	267955	47.540	ug/l	99
18) Methyl Acetate	4.33	43	156383	59.900	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	392009	52.243	ug/l	100
20) Methylene Chloride	4.54	84	140772	51.311	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	127596	50.588	ug/l	96
22) Diisopropyl ether	5.95	45	402109	52.331	ug/l	98
23) Vinyl Acetate	5.90	43	1579008	260.946	ug/l	100
24) 1,1-Dichloroethane	5.84	63	232935	52.553	ug/l	99
25) 2-Butanone	6.84	43	444936	264.452	ug/l	99
26) 2,2-Dichloropropane	6.82	77	95762	27.688	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	151291	51.028	ug/l	93
28) Bromochloromethane	7.19	49	113196	54.004	ug/l	97
29) Tetrahydrofuran	7.22	42	294939	283.593	ug/l	99
30) Chloroform	7.37	83	237405	53.244	ug/l	100
31) Cyclohexane	7.65	56	201665	45.645	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	198346	53.270	ug/l	99
36) 1,1-Dichloropropene	7.79	75	169307	48.121	ug/l	99
37) Ethyl Acetate	6.93	43	175888	56.185	ug/l	99
38) Carbon Tetrachloride	7.77	117	170643	52.606	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196159	44.756	ug/l	98
40) Benzene	8.04	78	545541	51.051	ug/l	100
41) Methacrylonitrile	7.17	41	84192	58.453	ug/l	95
42) 1,2-Dichloroethane	8.12	62	175119	50.946	ug/l	99
43) Isopropyl Acetate	8.17	43	269021	53.031	ug/l #	93
44) Trichloroethene	8.83	130	154274	50.242	ug/l	98
45) 1,2-Dichloropropane	9.12	63	143537	52.440	ug/l	99
46) Dibromomethane	9.21	93	95752	53.495	ug/l	97
47) Bromodichloromethane	9.40	83	182562	56.276	ug/l	99
48) Methyl methacrylate	9.20	41	136857	55.144	ug/l	97
49) 1,4-Dioxane	9.21	88	58306	1088.221	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	888973	280.227	ug/l	99
52) Toluene	10.16	92	341224	51.315	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	164885	43.671	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	194515	49.883	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142725	54.186	ug/l	99
56) Ethyl methacrylate	10.43	69	210630	54.813	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230393	53.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	348988	230.304	ug/l	99
59) 2-Hexanone	10.75	43	617577	268.601	ug/l	100
60) Dibromochloromethane	10.90	129	154135	52.908	ug/l	99
61) 1,2-Dibromoethane	11.00	107	146580	54.435	ug/l	98
64) Tetrachloroethene	10.63	164	169593	52.451	ug/l	99
65) Chlorobenzene	11.43	112	373216	50.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	142616	55.559	ug/l	99
67) Ethyl Benzene	11.51	91	639602	49.479	ug/l	98
68) m/p-Xylenes	11.62	106	490838	99.397	ug/l	99
69) o-Xylene	11.95	106	243474	50.124	ug/l	98
70) Styrene	11.96	104	406658	52.691	ug/l	99
71) Bromoform	12.13	173	114999	53.178	ug/l #	100
73) Isopropylbenzene	12.25	105	632164	53.171	ug/l	99
74) N-amyl acetate	12.07	43	223181	50.051	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	197259	50.797	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156908m	50.977	ug/l	
77) Bromobenzene	12.53	156	176470	49.274	ug/l	95
78) n-propylbenzene	12.59	91	668940	47.270	ug/l	99
79) 2-Chlorotoluene	12.67	91	413818	52.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	518057	46.061	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	40155	43.445	ug/l	90
82) 4-Chlorotoluene	12.77	91	398199	48.096	ug/l	99
83) tert-Butylbenzene	12.99	119	462314	53.150	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	510503	47.864	ug/l	99
85) sec-Butylbenzene	13.17	105	589047	47.001	ug/l	100
86) p-Isopropyltoluene	13.29	119	528649	47.133	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	278296	50.207	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	265833	49.855	ug/l	100
89) n-Butylbenzene	13.61	91	376204	45.278	ug/l	99
90) Hexachloroethane	13.87	117	88809	52.503	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	282222	50.431	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32278	58.114	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135105	44.339	ug/l	99
94) Hexachlorobutadiene	15.01	225	101681	53.105	ug/l	100
95) Naphthalene	15.13	128	361134	45.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151226	48.232	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 280415

Ion Ratio Lower Upper

168 100

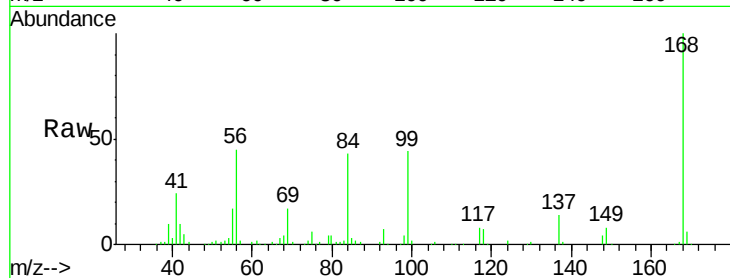
99 43.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

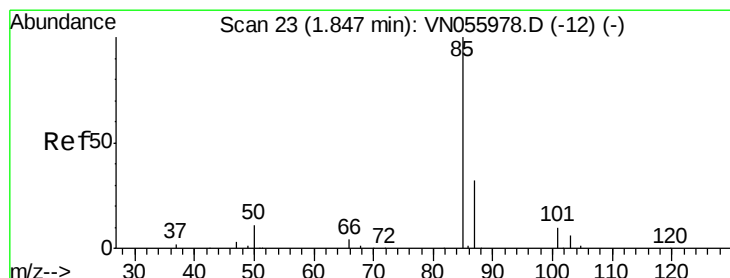
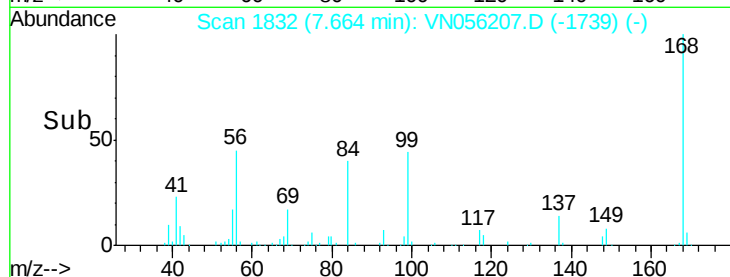
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.649 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056207.D

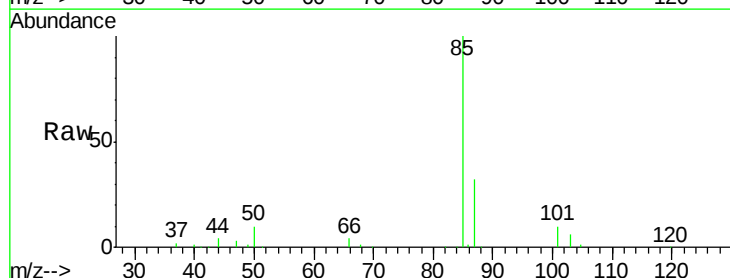
Acq: 11 Jun 2019 8:06

Tgt Ion: 85 Resp: 143635

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

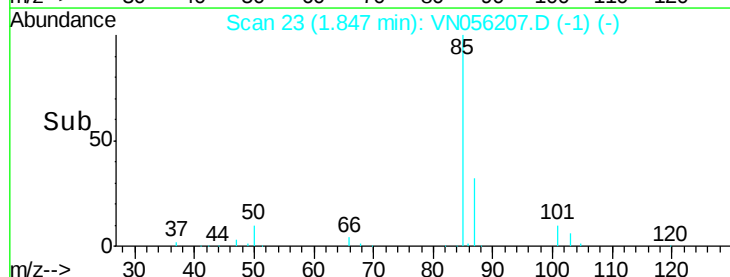
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40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.622 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 153875

Ion Ratio Lower Upper

50 100

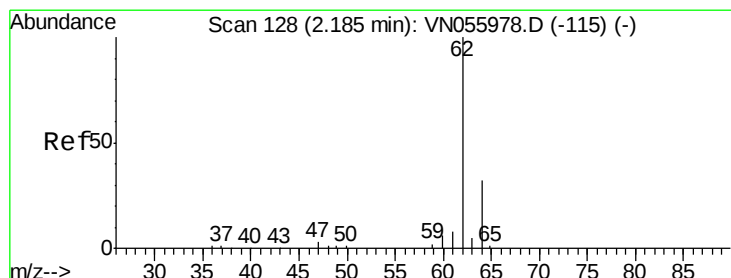
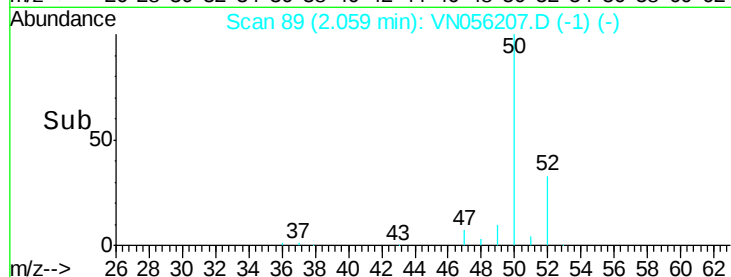
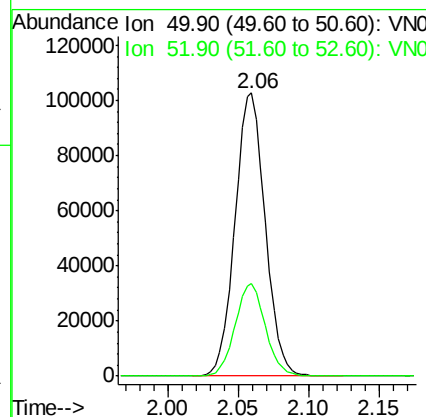
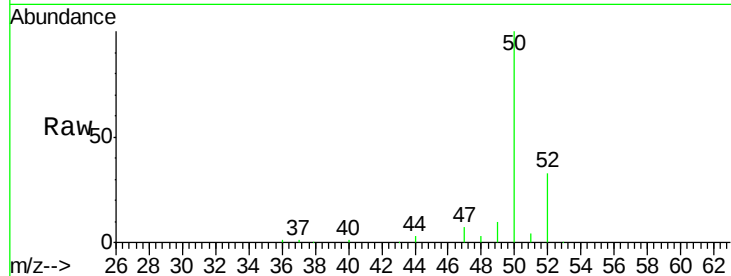
52 32.5 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.619 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056207.D

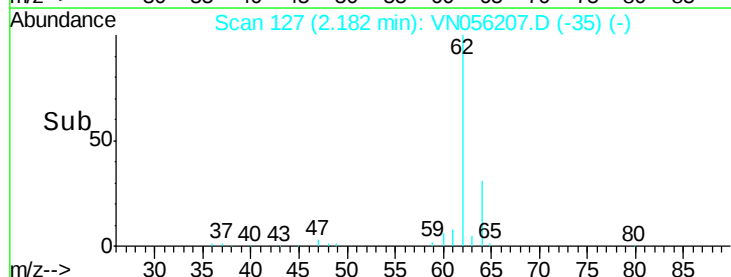
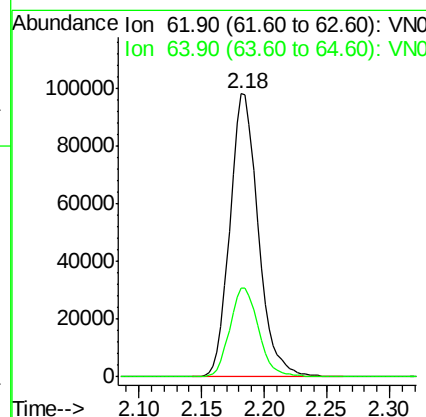
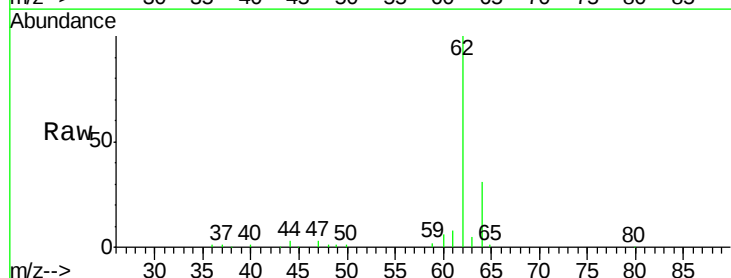
Acq: 11 Jun 2019 8:06

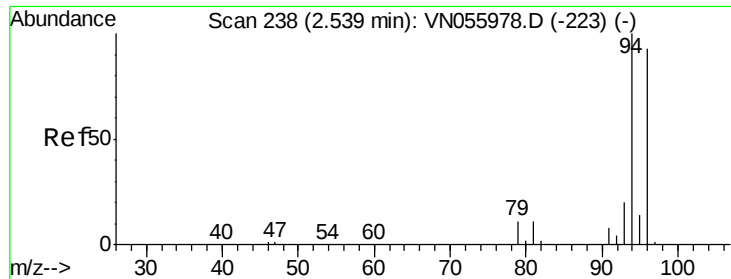
Tgt Ion: 62 Resp: 154343

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 48.985 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 94350

Ion Ratio Lower Upper

94 100

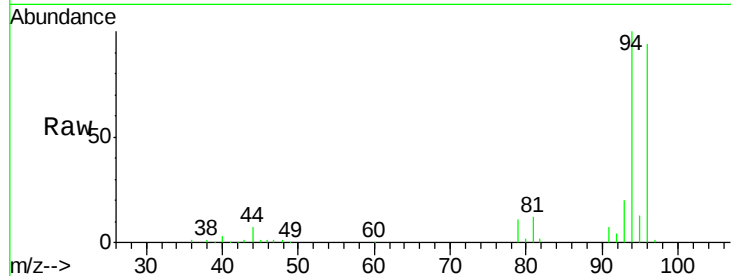
96 94.0 75.5 113.3

Manual Integrations

APPROVED

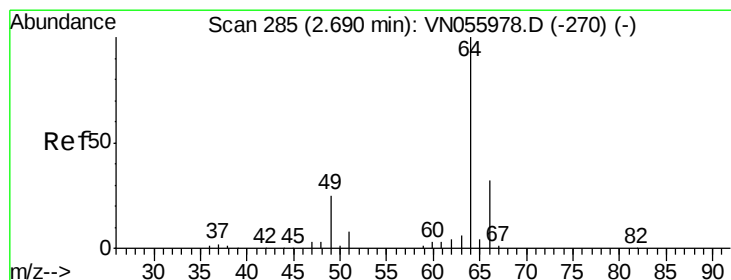
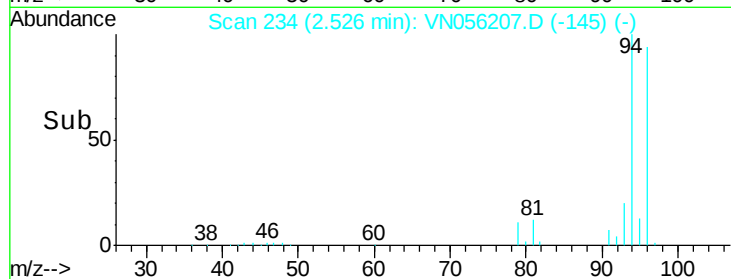
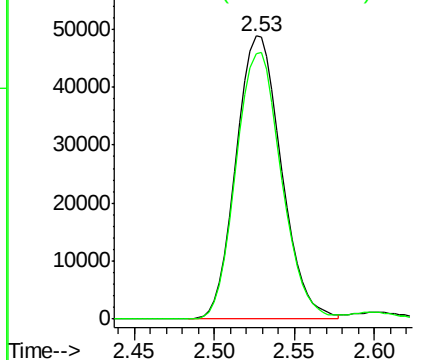
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.184 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056207.D

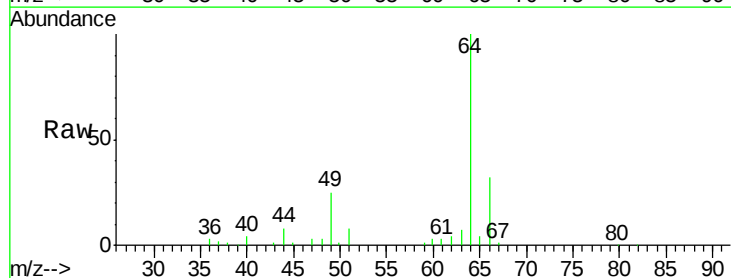
Acq: 11 Jun 2019 8:06

Tgt Ion: 64 Resp: 86951

Ion Ratio Lower Upper

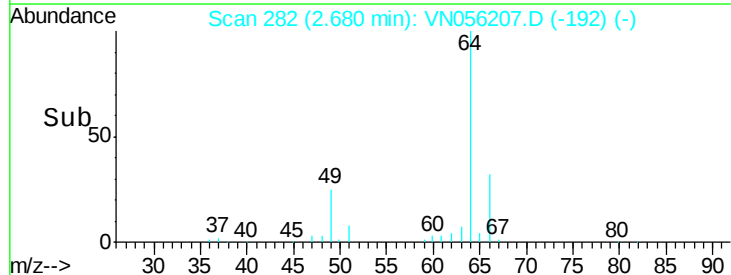
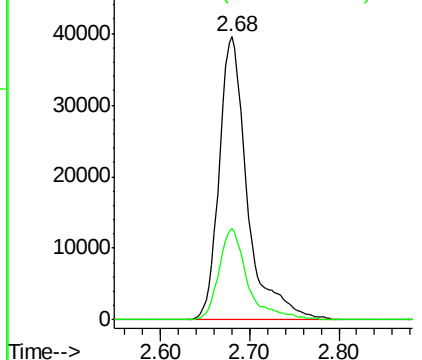
64 100

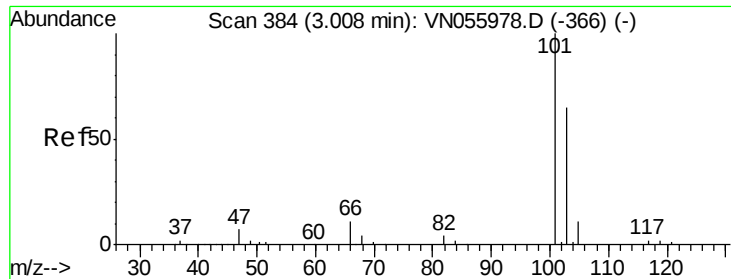
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

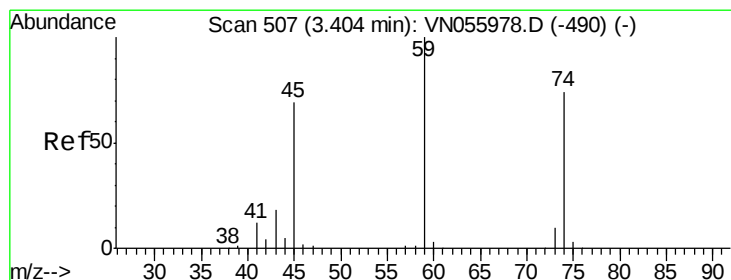
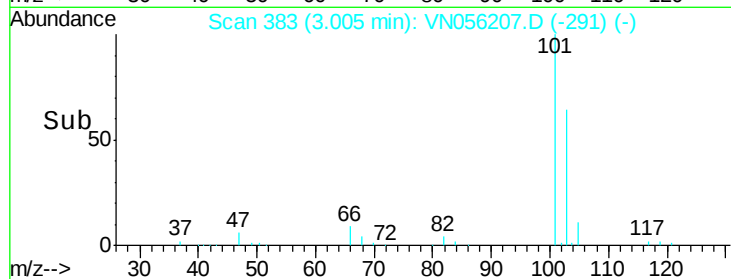
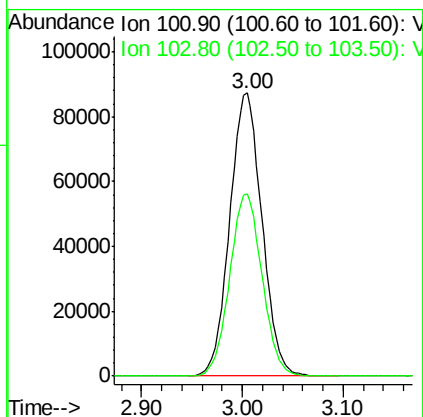
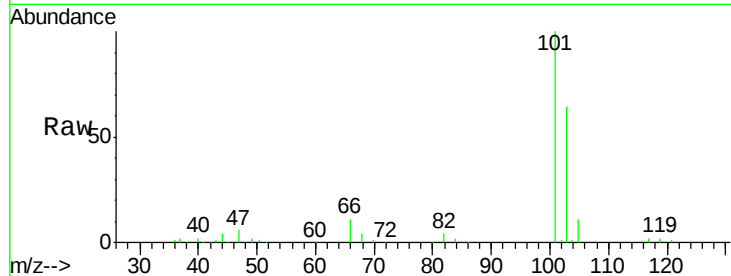
Trichlorofluoromethane
Concen: 49.731 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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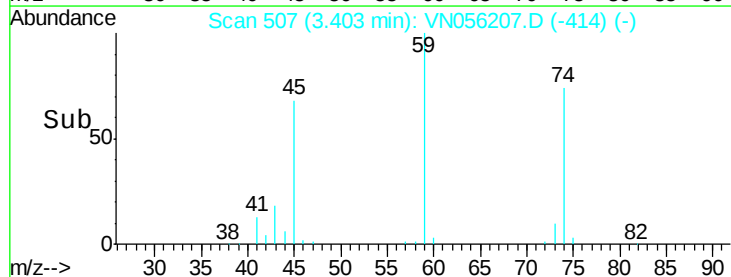
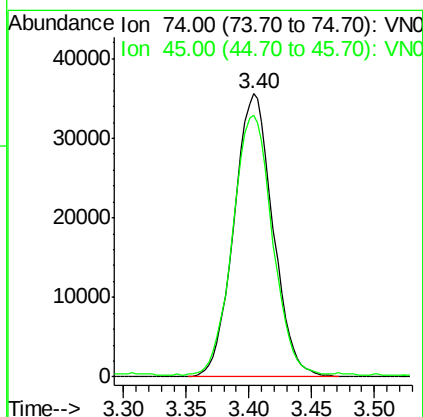
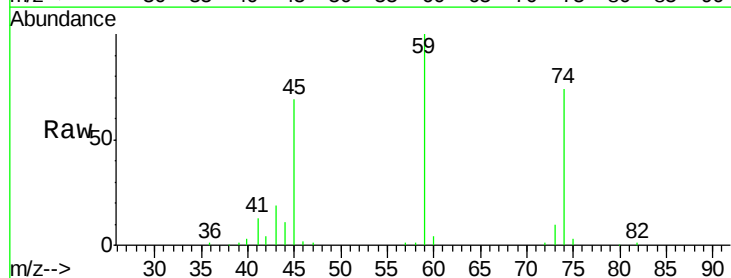
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6/11/2019 11:58:45 AM



#8

Diethyl Ether
Concen: 48.069 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	48.6	145.9





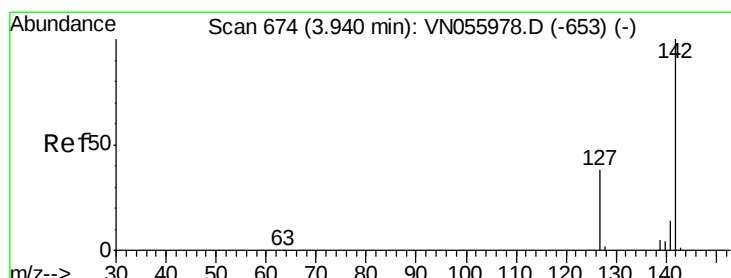
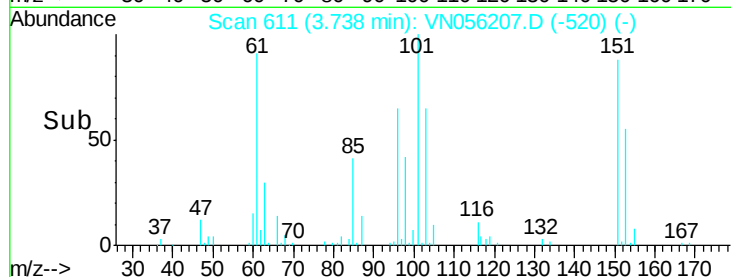
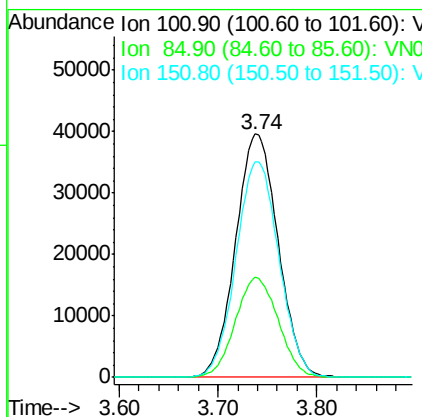
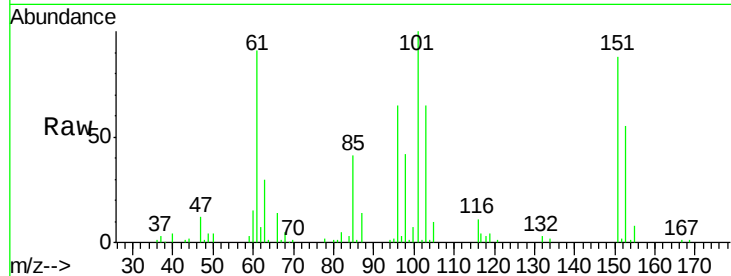
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.107 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.01 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	118480		
85	41.4	33.4	50.2	
151	89.7	69.4	104.2	

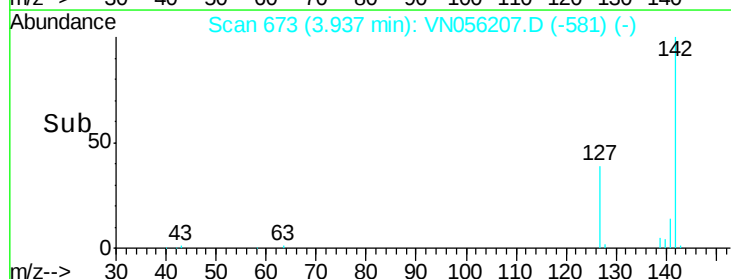
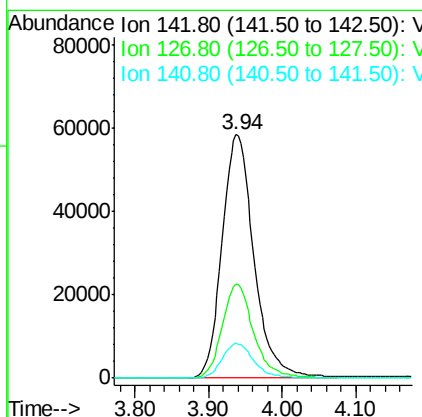
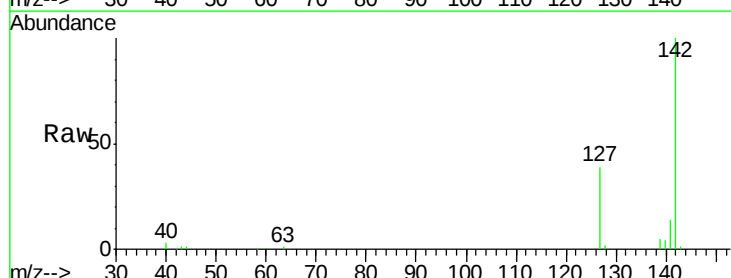
Manual Integrations
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MMDadoda
6/11/2019 11:58:45 AM



#10
Methyl Iodide
Concen: 46.894 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	176208		
127	38.1	31.0	46.4	
141	14.0	11.4	17.0	





#11

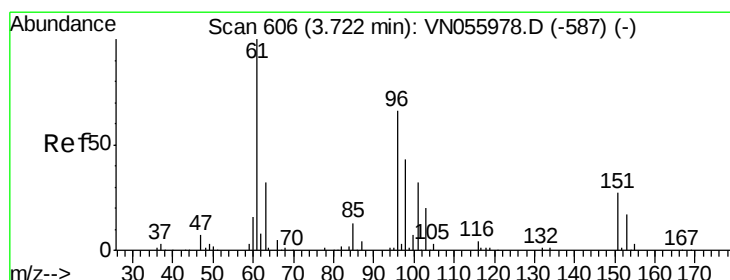
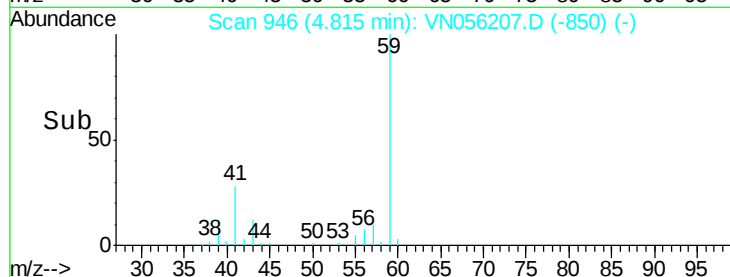
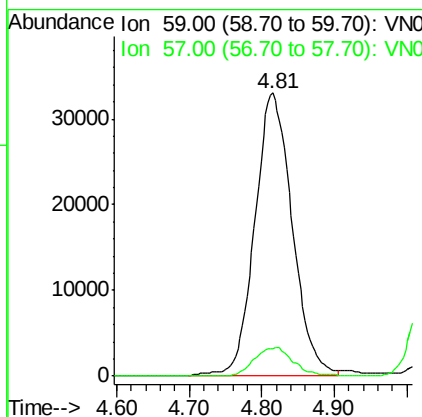
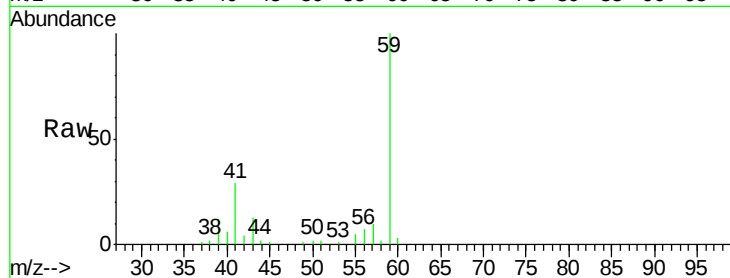
Tert butyl alcohol
 Concen: 245.605 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	119002
Ion Ratio	100	Lower	Upper
57	10.3	7.8	11.6

Manual Integrations
 APPROVED

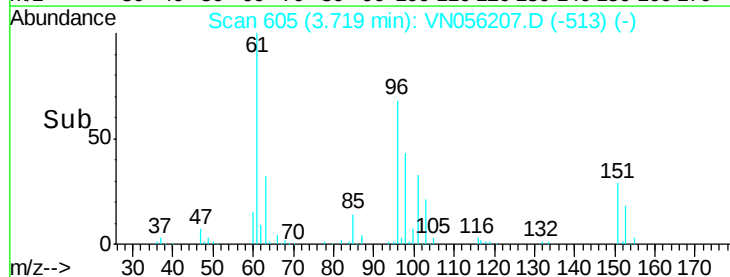
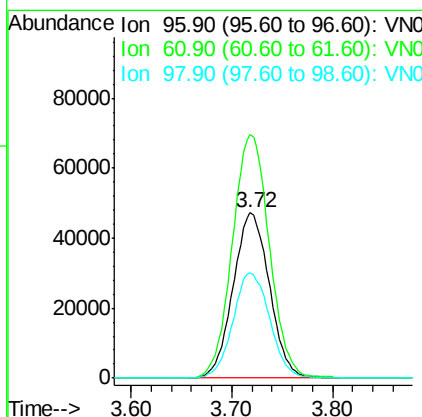
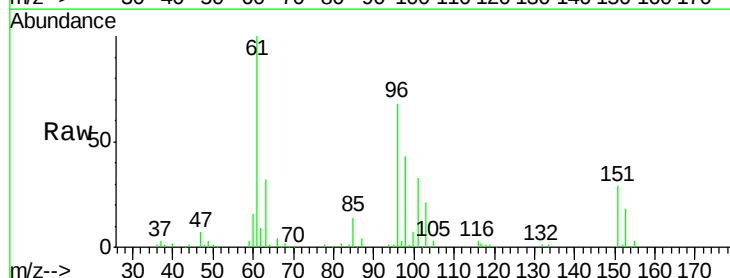
MMDadoda
 6/11/2019 11:58:45 AM

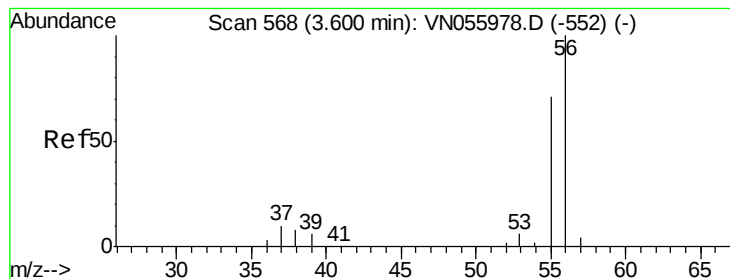


#12

1,1-Dichloroethene
 Concen: 50.241 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	96	Resp	118270
Ion Ratio	100	Lower	Upper
61	147.6	123.2	184.8
98	63.9	50.4	75.6





#13

Acrolein

Concen: 352.359 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 49239

Ion Ratio Lower Upper

56 100

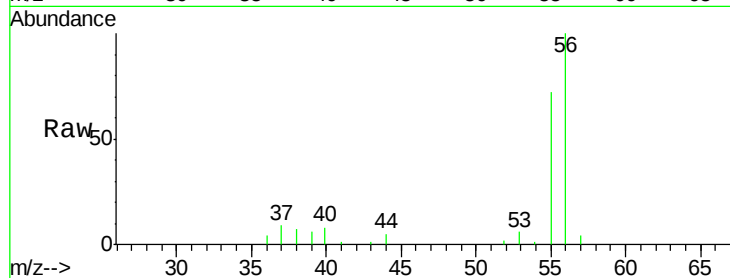
55 70.0 55.4 83.2

Manual Integrations

APPROVED

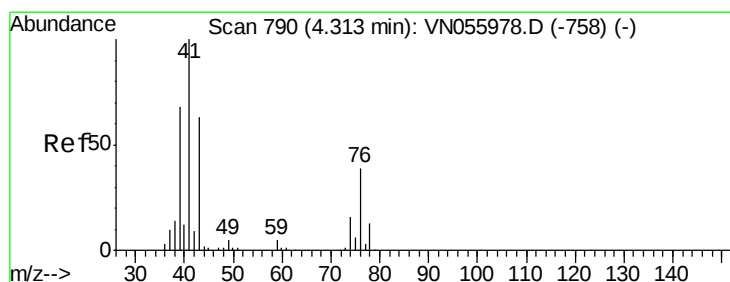
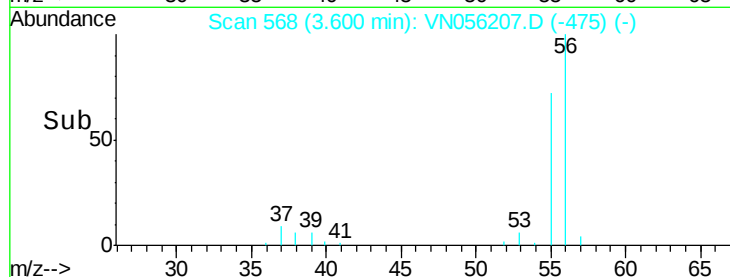
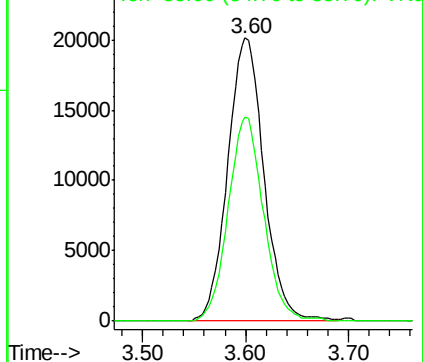
MMDadoda

6/11/2019 11:58:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.746 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

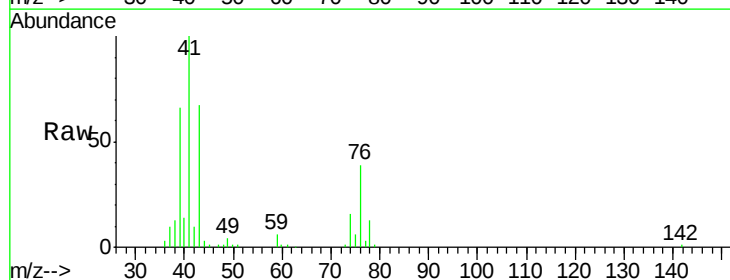
Tgt Ion: 41 Resp: 181197

Ion Ratio Lower Upper

41 100

39 60.3 50.0 75.0

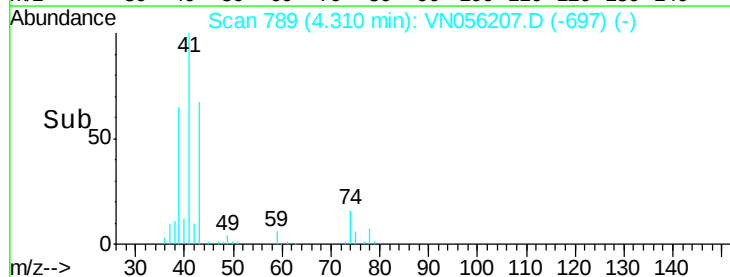
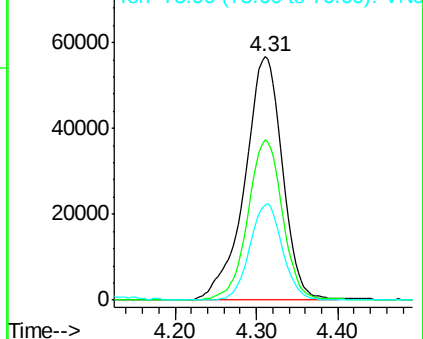
76 34.1 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 290.713 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

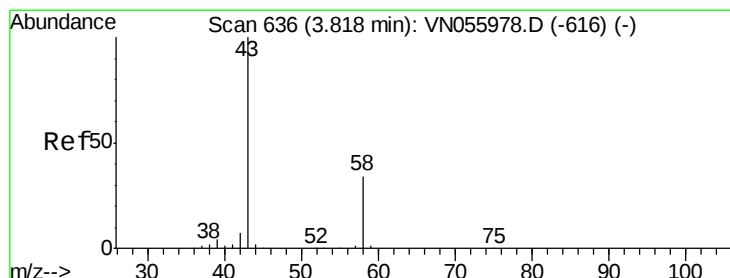
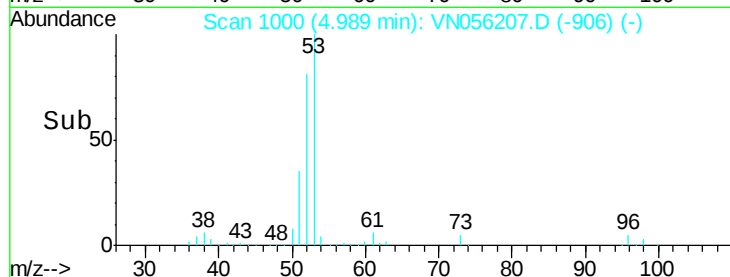
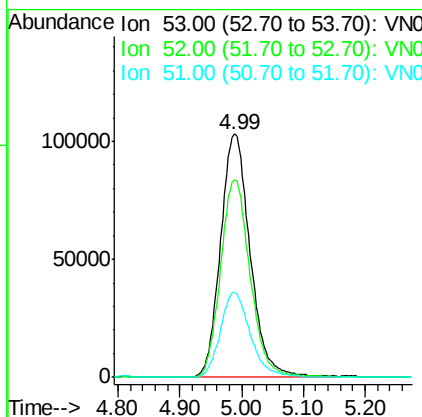
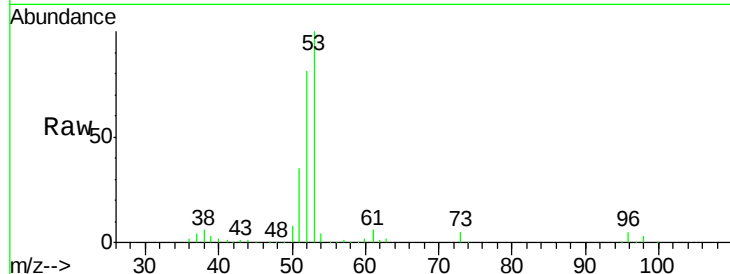
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	342888
Ion Ratio		Lower	Upper
53	100		
52	81.0	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 209.369 ug/l

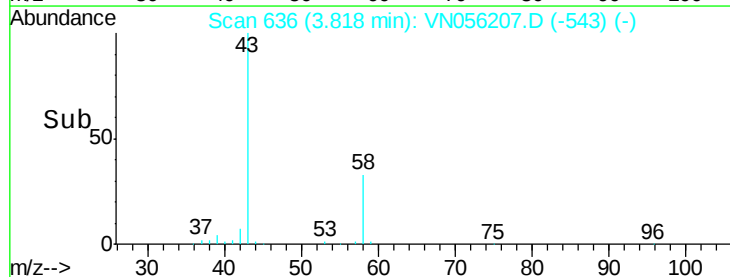
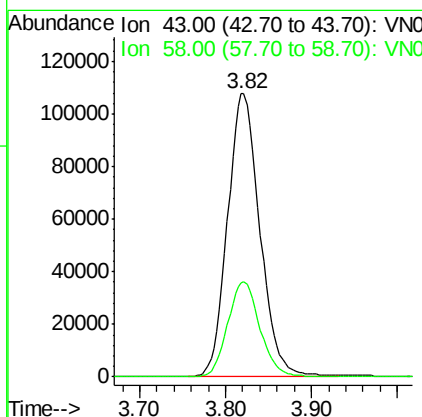
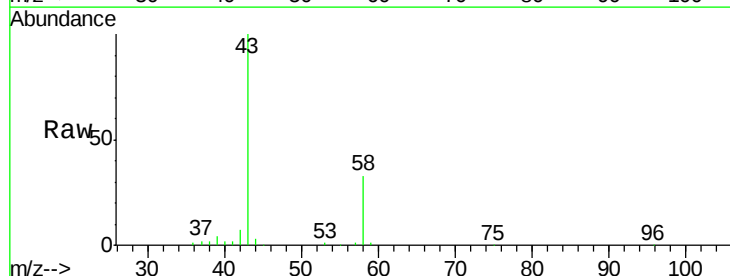
RT: 3.82 min Scan# 636

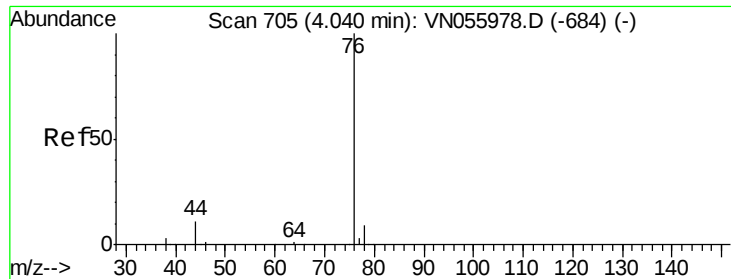
Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	43	Resp:	278804
Ion Ratio		Lower	Upper
43	100		
58	33.3	26.6	39.8





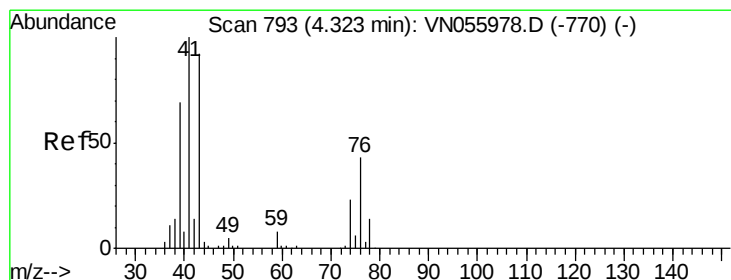
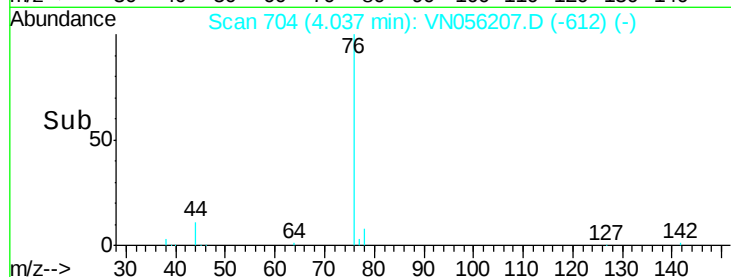
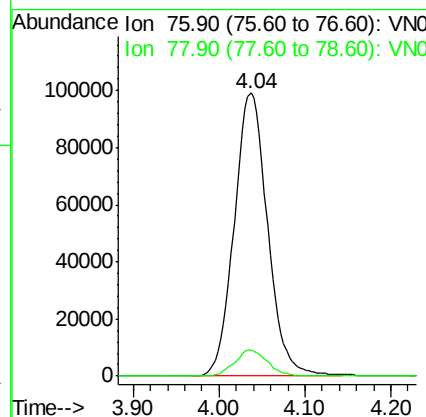
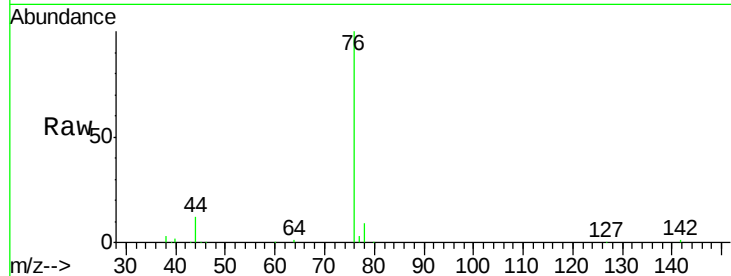
#17
Carbon Disulfide
Concen: 47.540 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

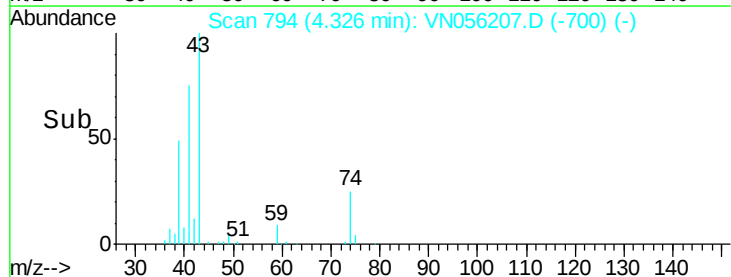
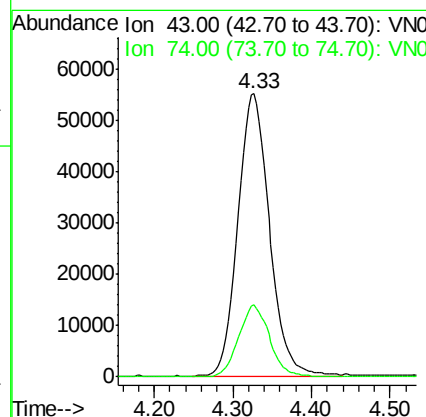
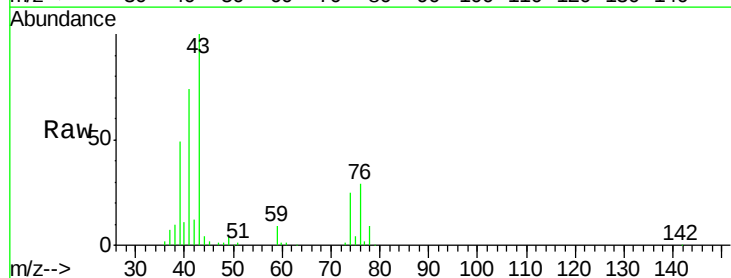
Manual Integrations
APPROVED

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6/11/2019 11:58:45 AM



#18
Methyl Acetate
Concen: 59.900 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.3	28.9





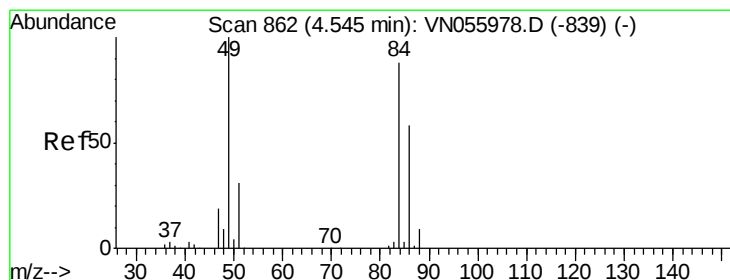
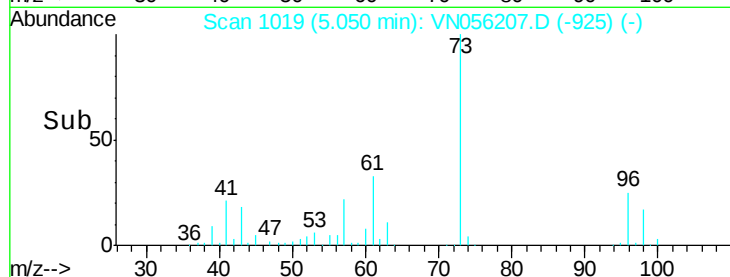
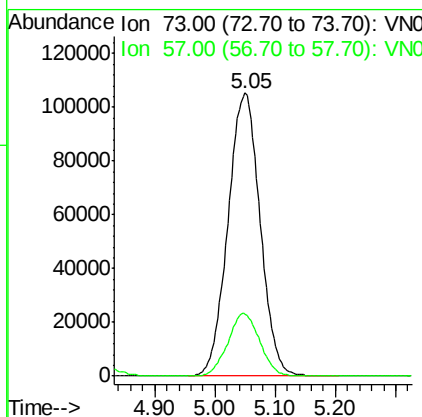
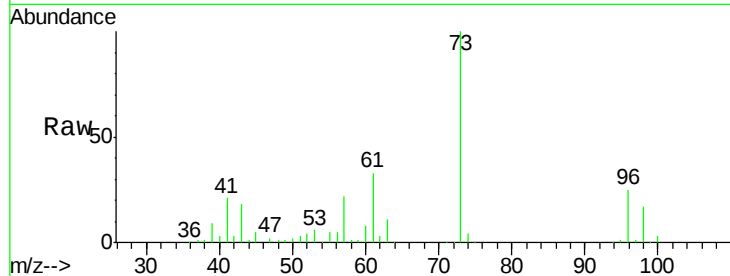
#19
Methvl tert-butvl Ether
Concen: 52.243 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 392009
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

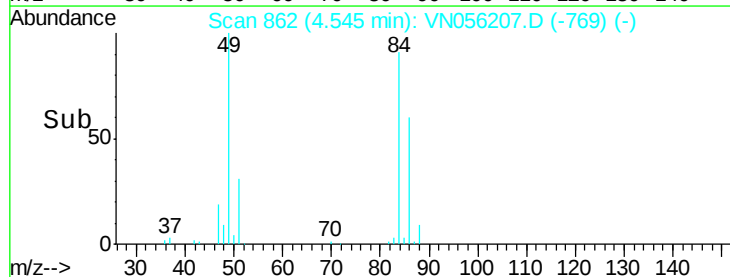
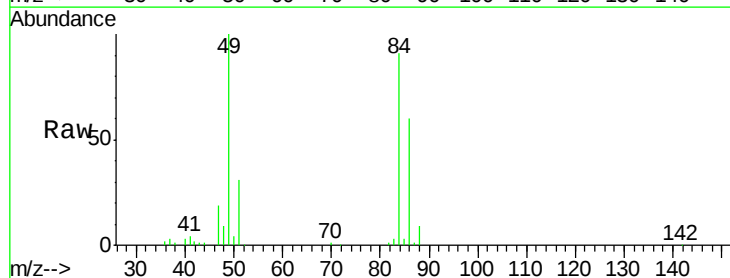
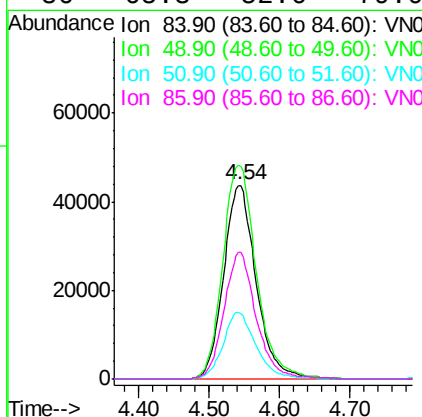
Manual Integrations
APPROVED

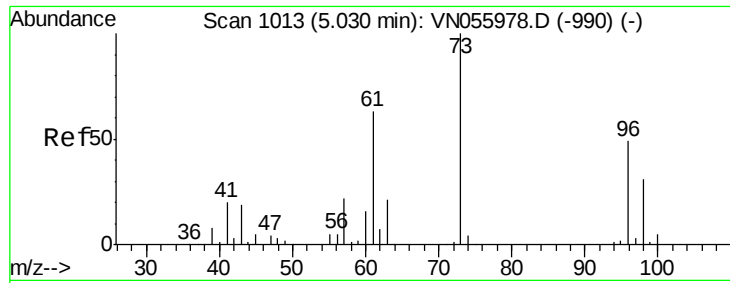
MMDadoda
6/11/2019 11:58:45 AM



#20
Methylene Chloride
Concen: 51.311 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion: 84 Resp: 140772
Ion Ratio Lower Upper
84 100
49 109.6 93.5 140.3
51 33.7 28.6 43.0
86 65.3 52.6 79.0





#21

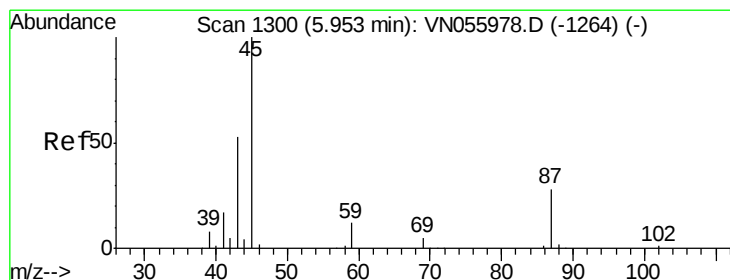
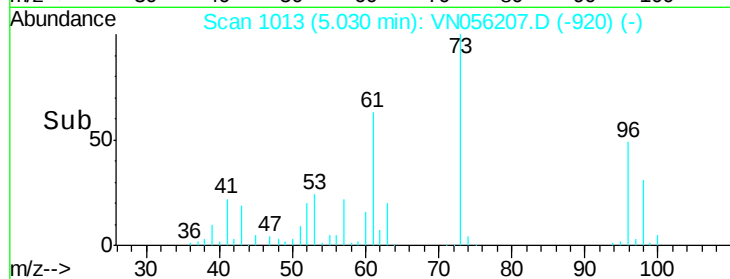
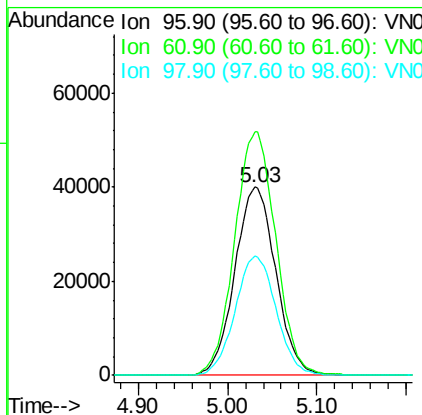
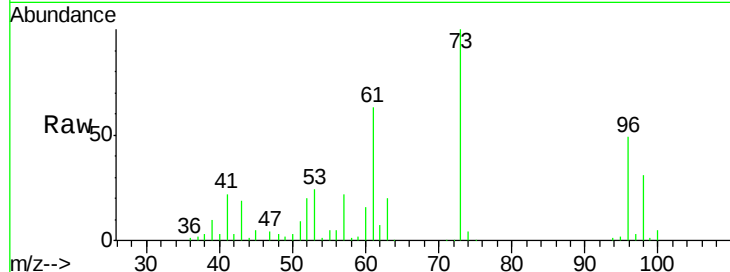
trans-1,2-Dichloroethene
Concen: 50.588 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	107.8	161.8
98	63.6	49.8	74.8

Manual Integrations
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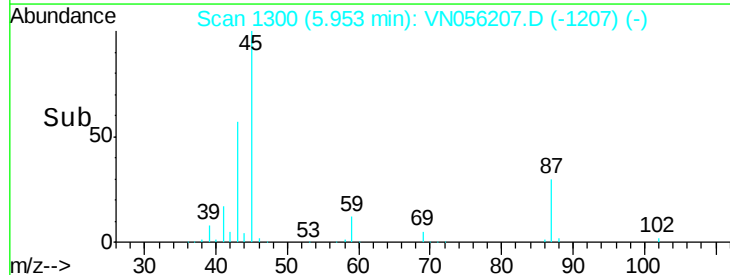
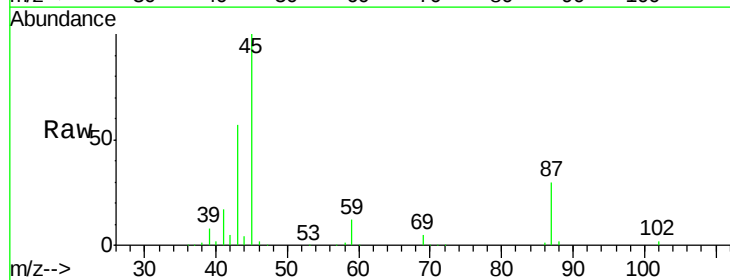
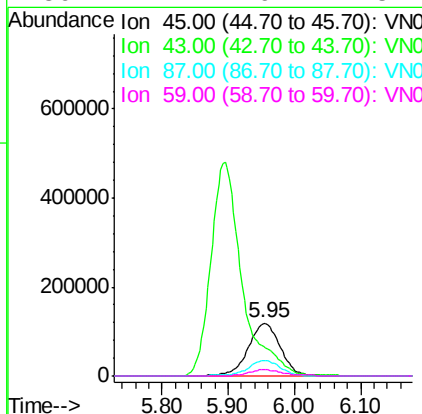
MMDadoda
6/11/2019 11:58:45 AM

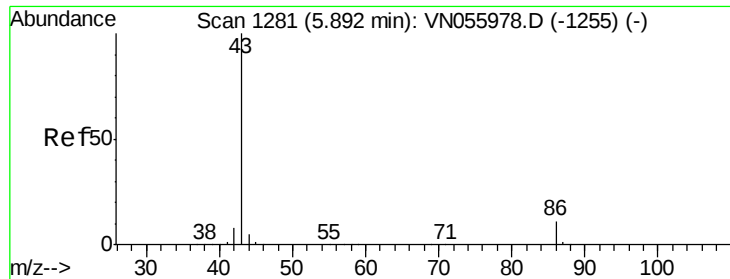


#22

Diisopropyl ether
Concen: 52.331 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	45.0	67.6
87	29.7	22.2	33.4
59	11.7	9.1	13.7





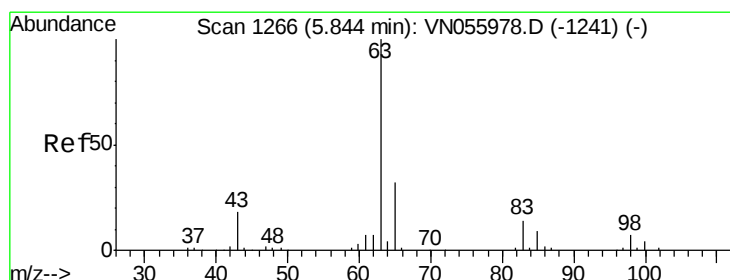
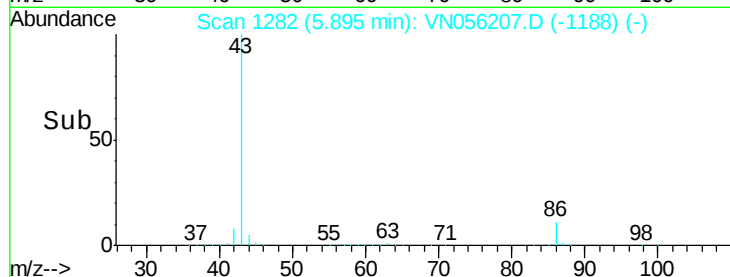
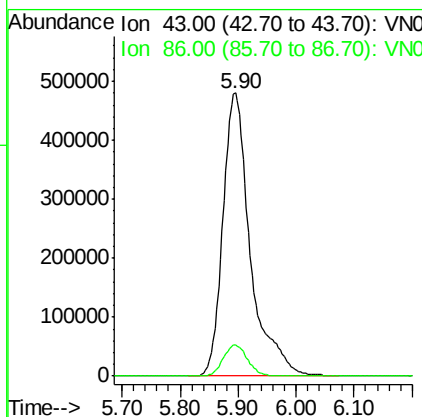
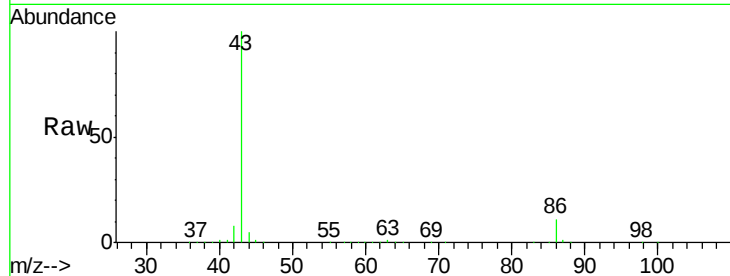
#23
 Vinyl Acetate
 Concen: 260.946 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1579008
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

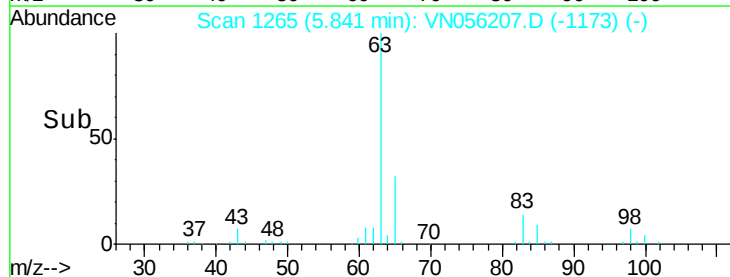
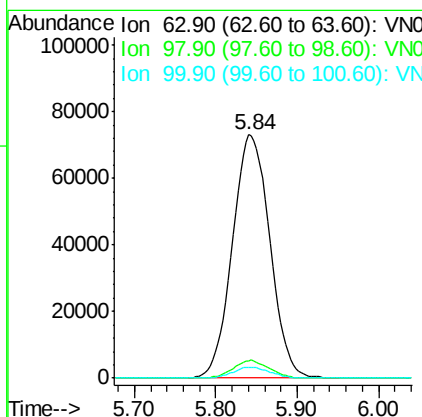
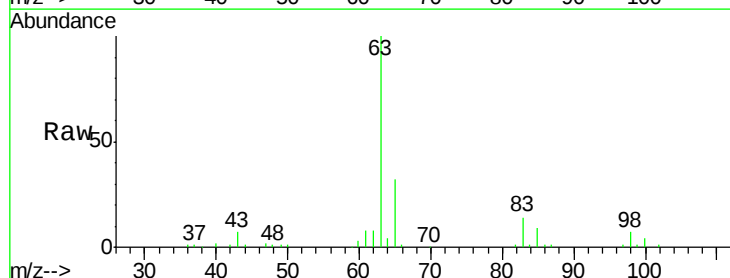
Manual Integrations
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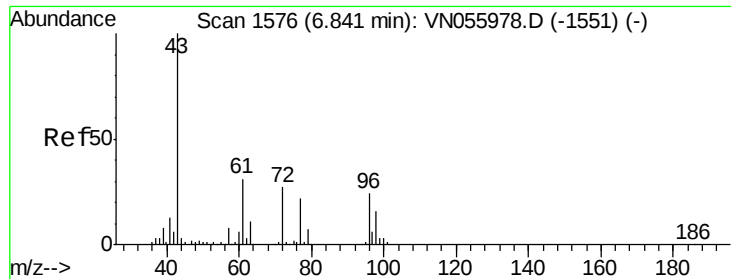
MMDadoda
 6/11/2019 11:58:45 AM



#24
 1,1-Dichloroethane
 Concen: 52.553 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion: 63 Resp: 232935
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 264.452 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 444936

Ion Ratio Lower Upper

43 100

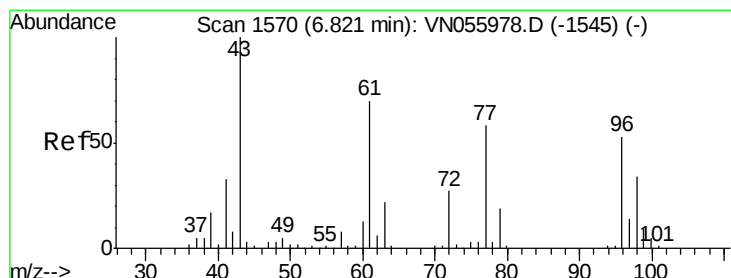
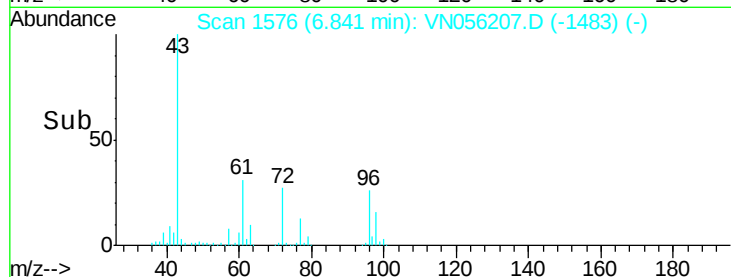
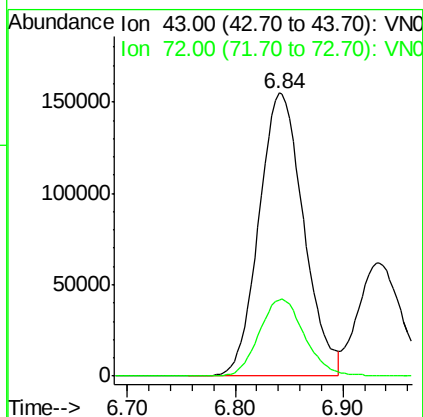
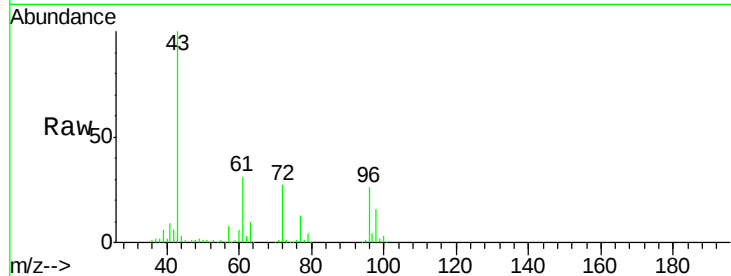
72 27.1 21.9 32.9

Manual Integrations

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MMDadoda

6/11/2019 11:58:45 AM



#26

2,2-Dichloropropane

Concen: 27.688 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056207.D

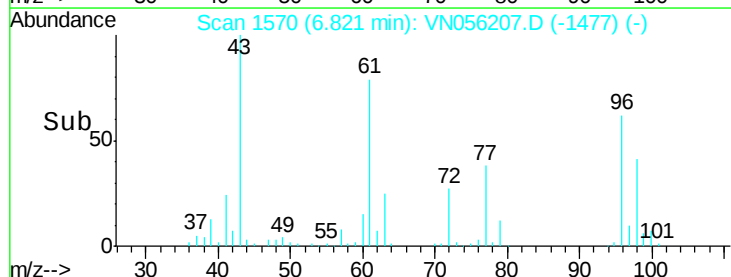
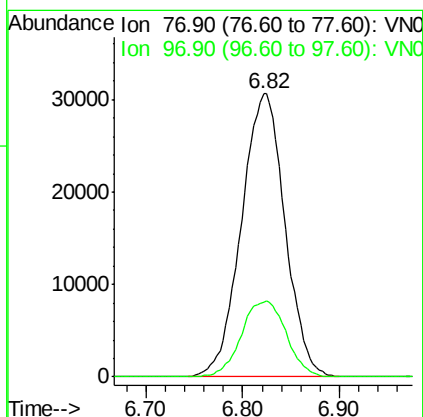
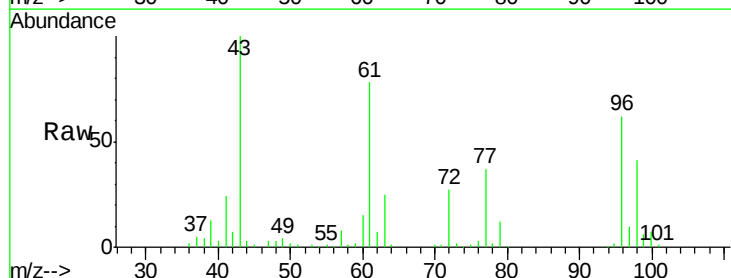
Acq: 11 Jun 2019 8:06

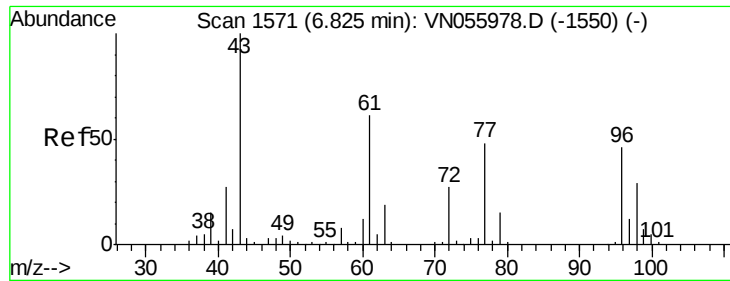
Tgt Ion: 77 Resp: 95762

Ion Ratio Lower Upper

77 100

97 27.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.028 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

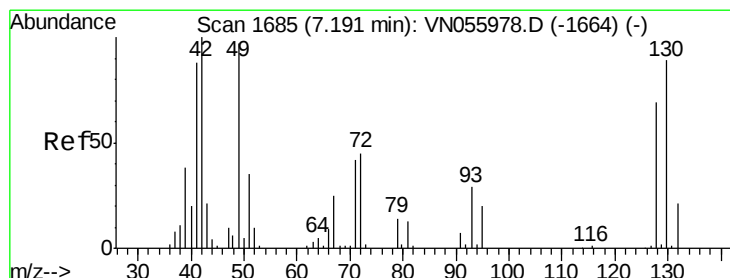
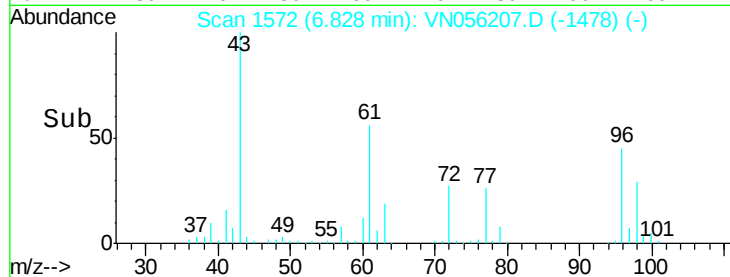
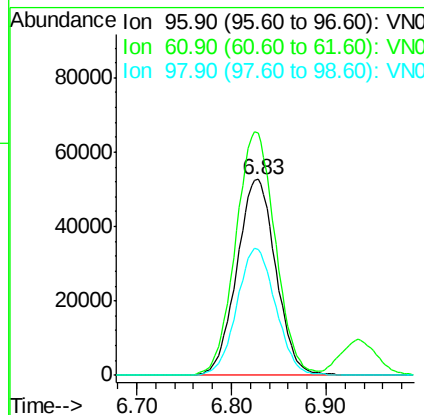
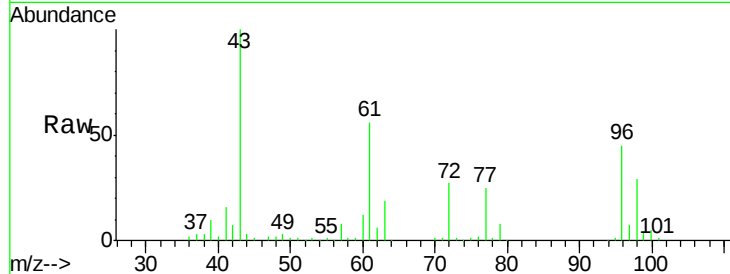
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	151291
Ion Ratio	Lower	Upper	
96	100		
61	126.0	0.0	275.8
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 54.004 ug/l

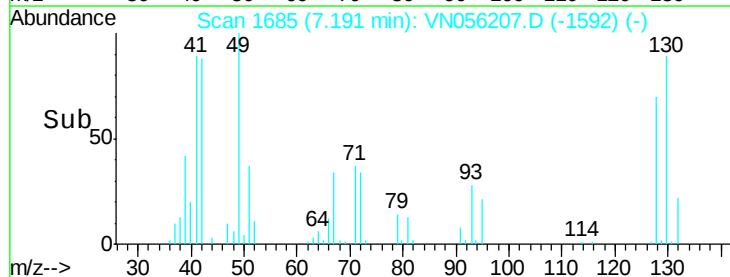
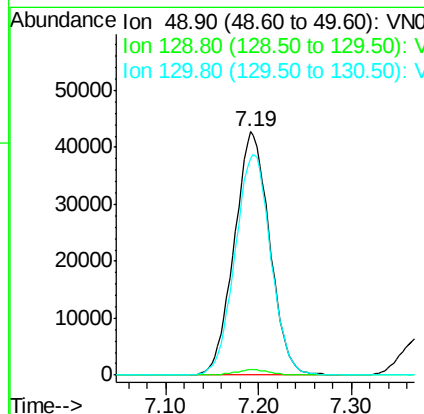
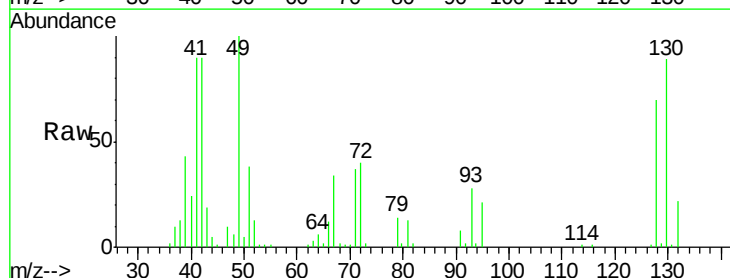
RT: 7.19 min Scan# 1685

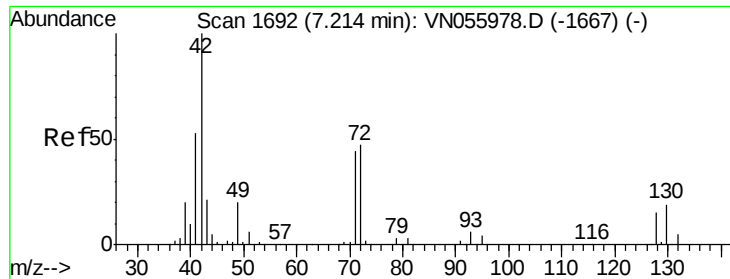
Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	49	Resp:	113196
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.4
130	91.5	71.2	106.8





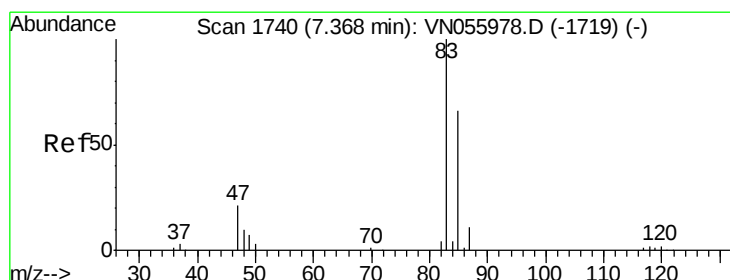
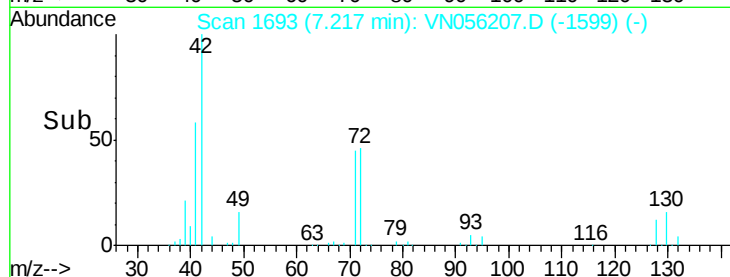
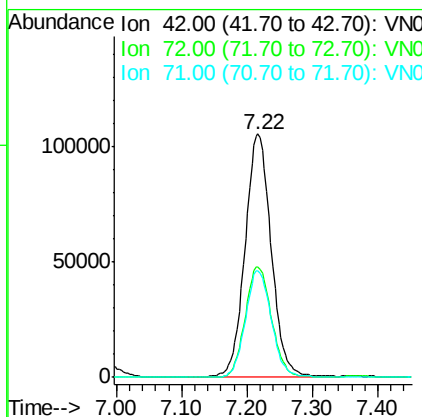
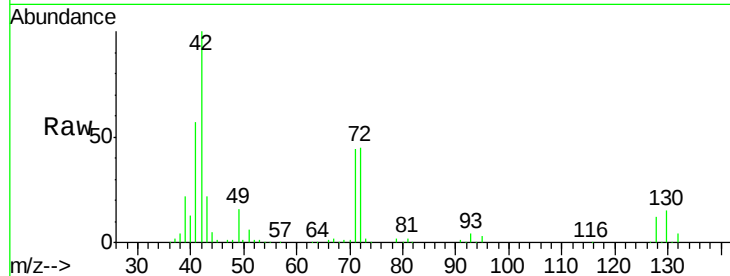
#29
Tetrahydrofuran
Concen: 283.593 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.9	53.9
71	43.1	34.0	51.0

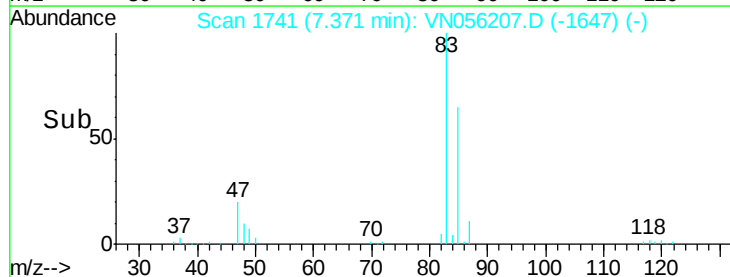
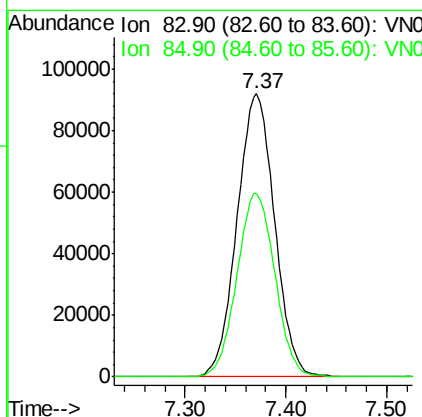
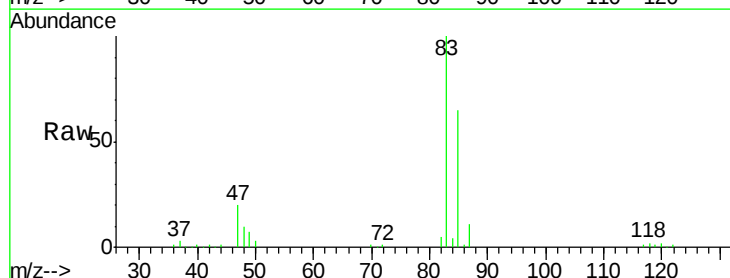
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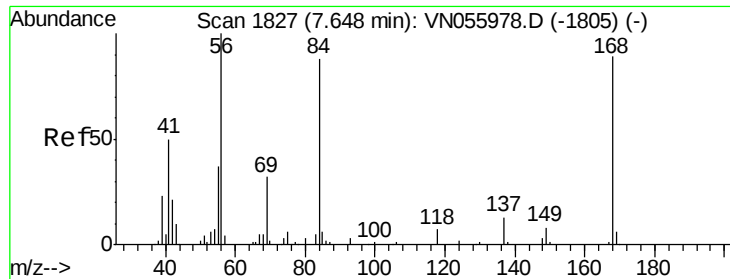
MMDadoda
6/11/2019 11:58:45 AM



#30
Chloroform
Concen: 53.244 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





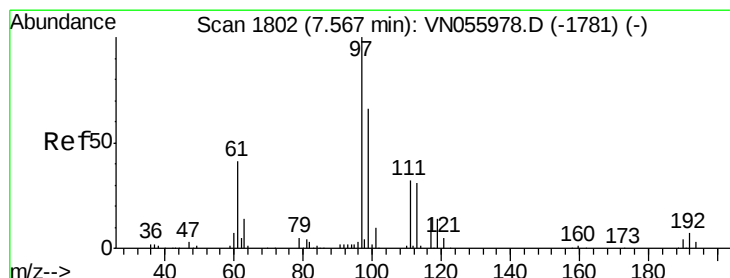
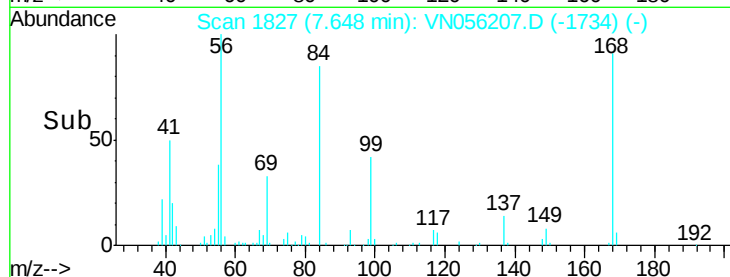
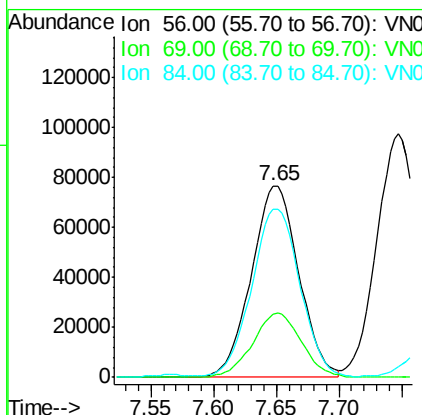
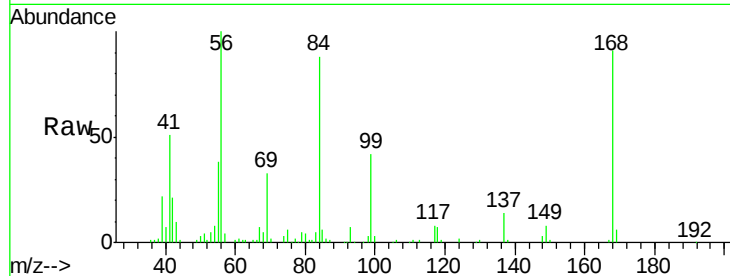
#31
Cyclohexane
Concen: 45.645 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.6	38.4
84	86.6	67.4	101.0

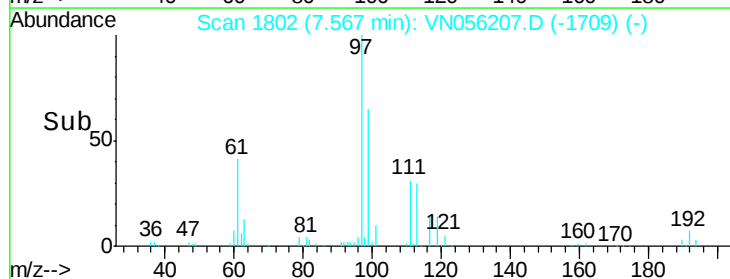
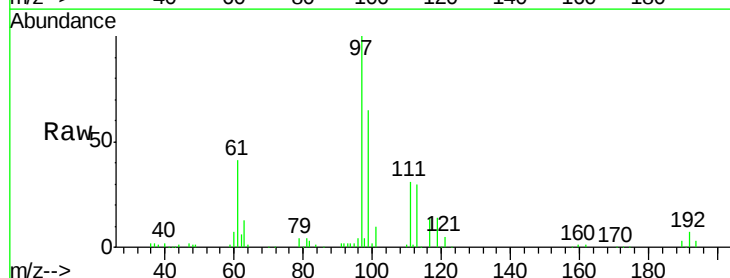
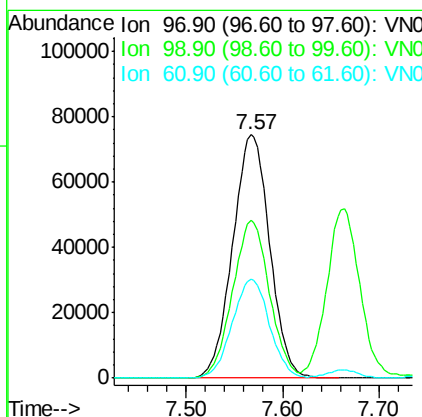
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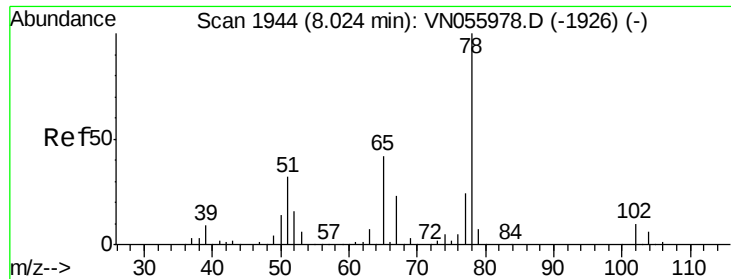
MMDadoda
6/11/2019 11:58:45 AM



#32
1,1,1-Trichloroethane
Concen: 53.270 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	40.7	32.9	49.3





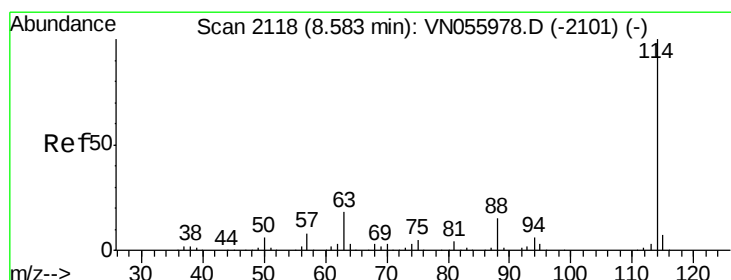
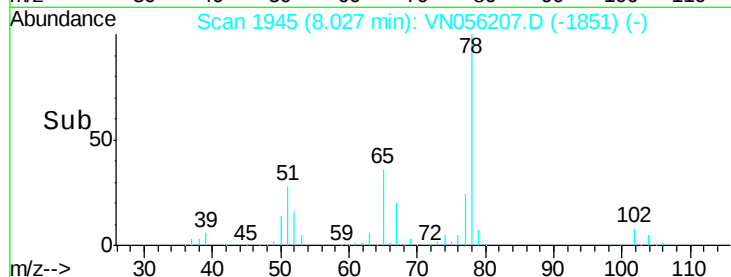
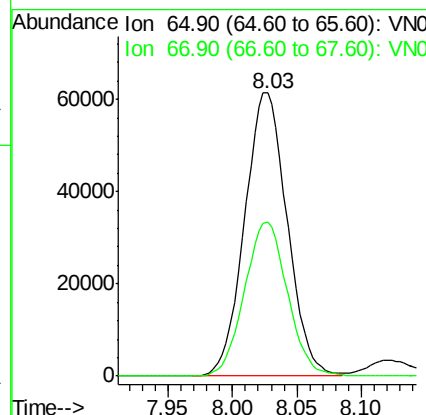
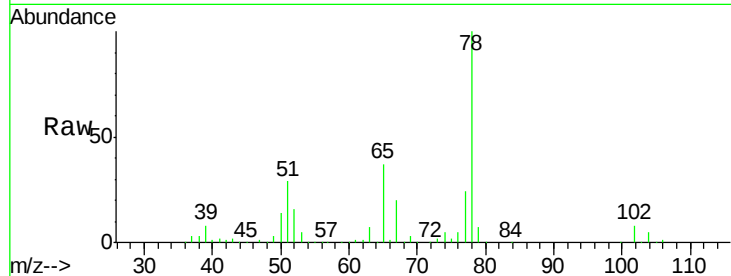
#33
 1,2-Dichloroethane-d4
 Concen: 50.746 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141291		
67	55.0	0.0	109.2	

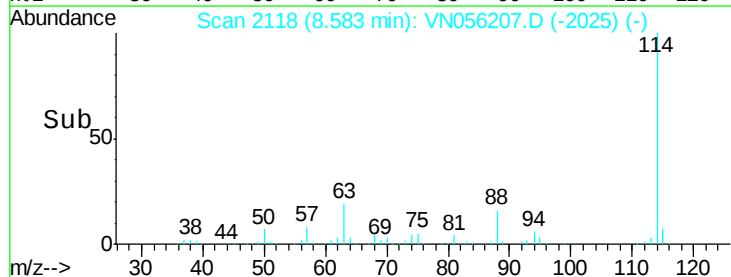
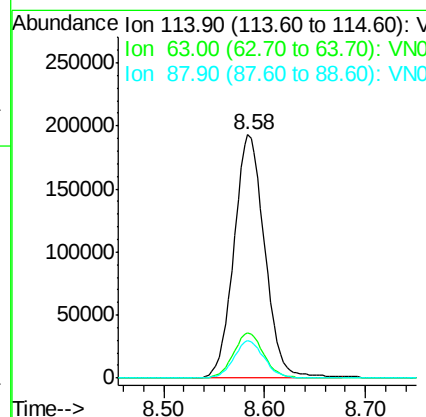
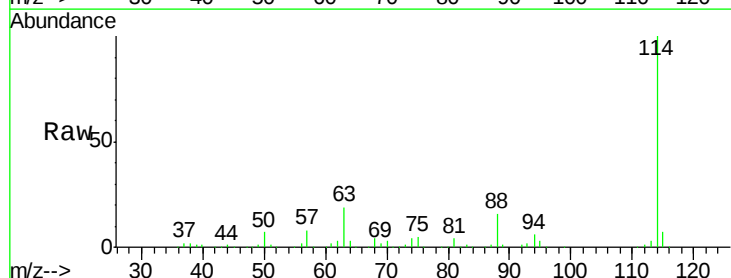
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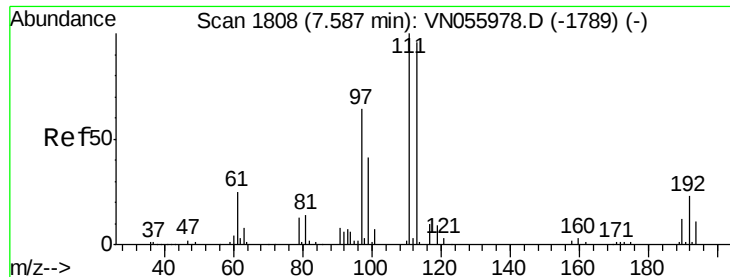
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	409181		
63	18.7	0.0	39.2	
88	15.5	0.0	31.0	





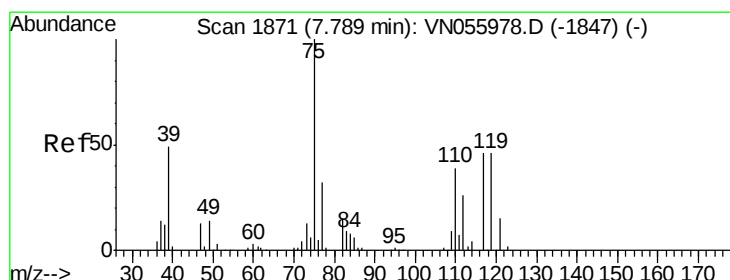
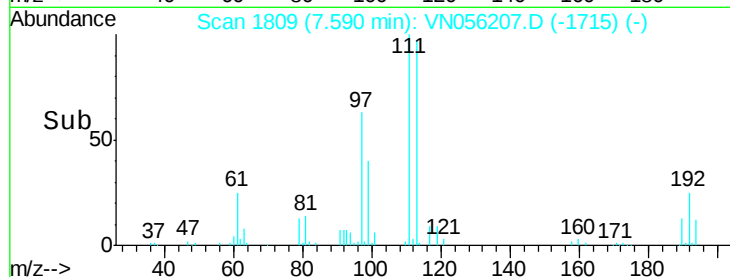
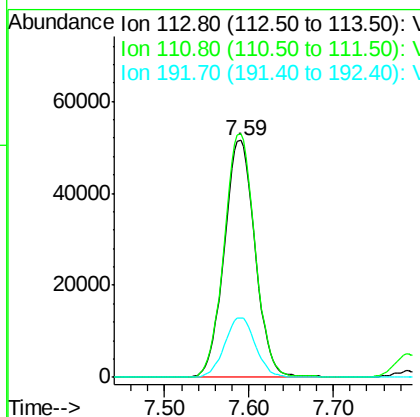
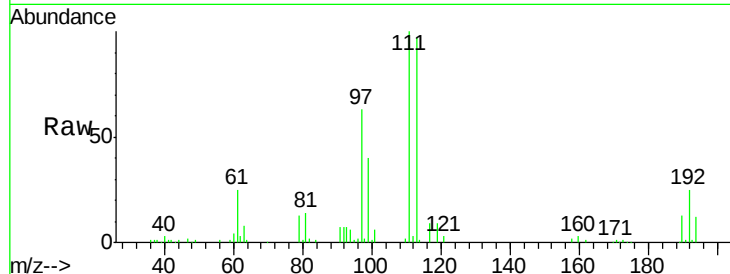
#35
 Dibromofluoromethane
 Concen: 52.225 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	25.1	19.5	29.3	

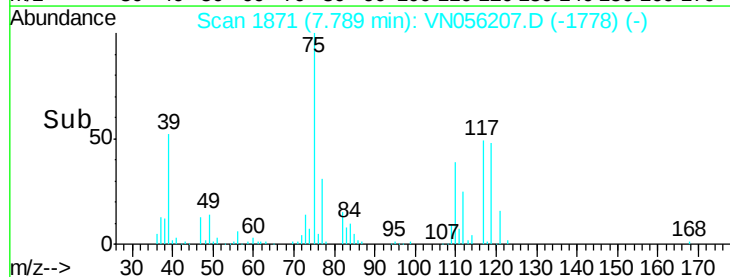
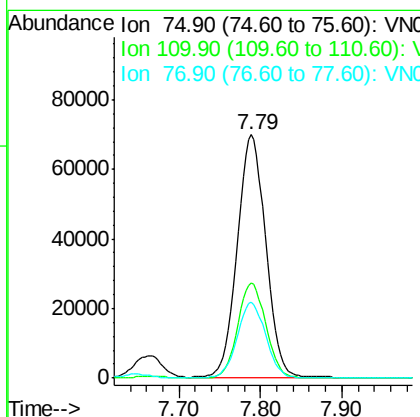
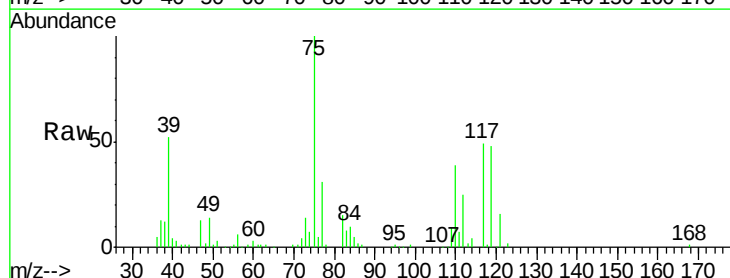
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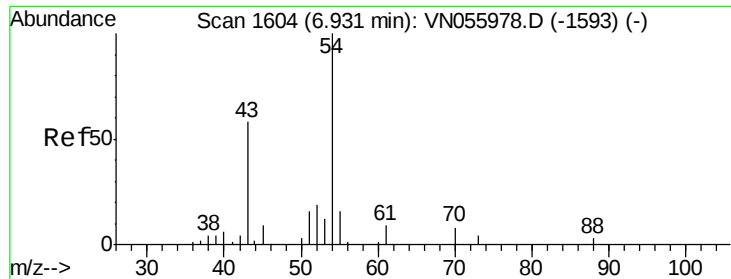
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#36
 1,1-Dichloropropene
 Concen: 48.121 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	19.0	57.0	
77	31.2	25.1	37.7	





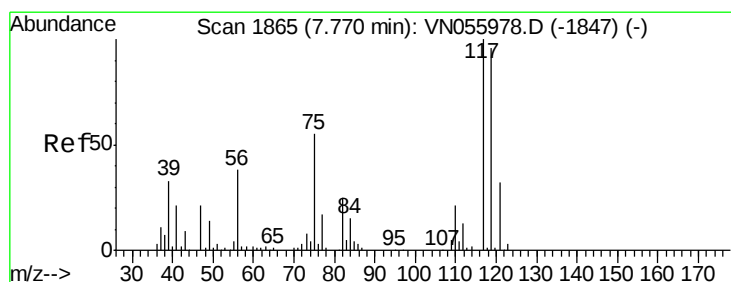
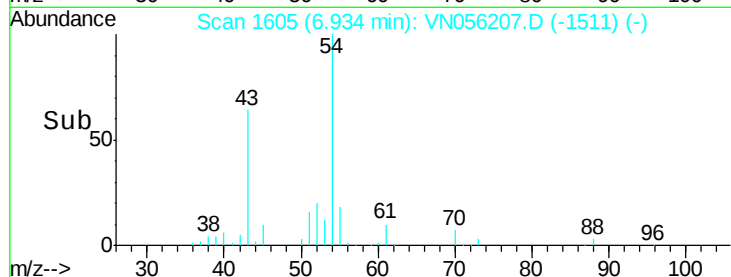
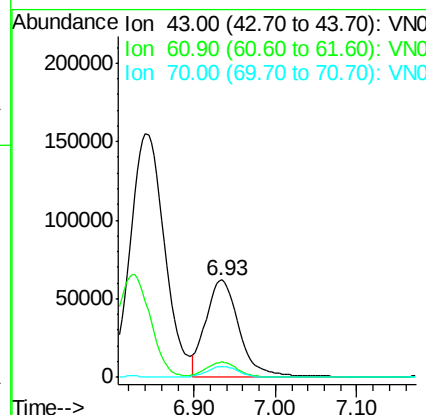
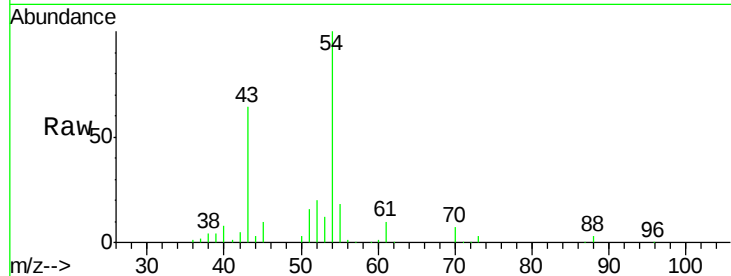
#37
Ethyl Acetate
Concen: 56.185 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.2
70	10.9	8.9	13.3

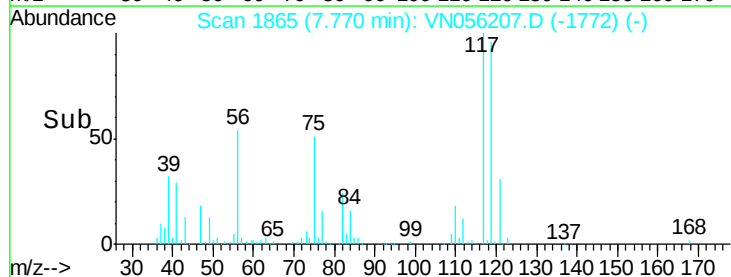
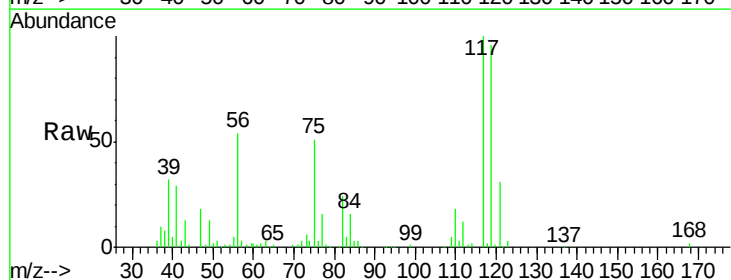
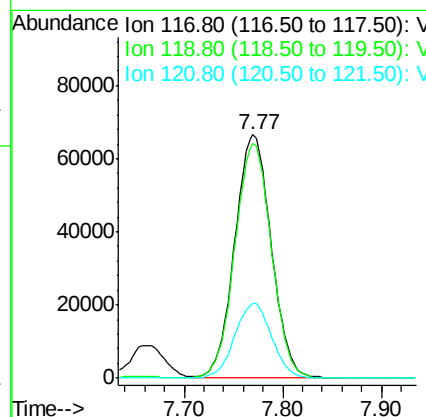
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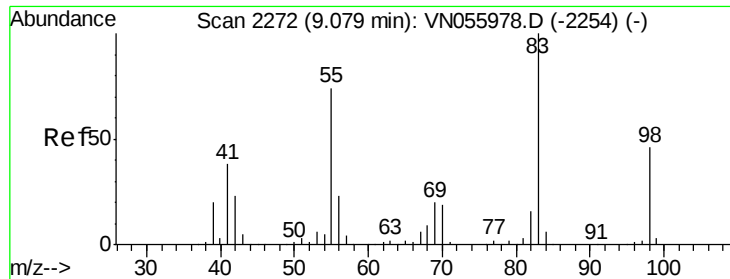
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#38
Carbon Tetrachloride
Concen: 52.606 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.0	118.6
121	30.9	24.7	37.1





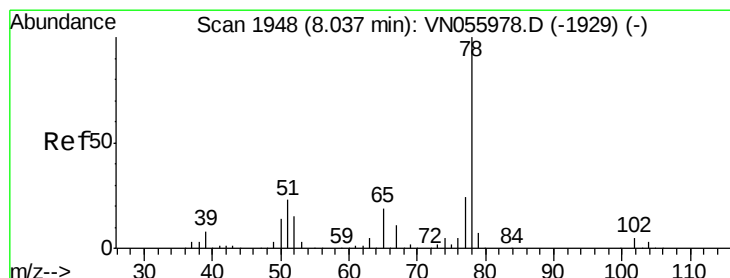
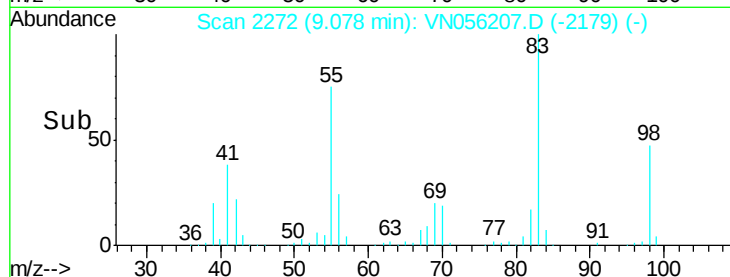
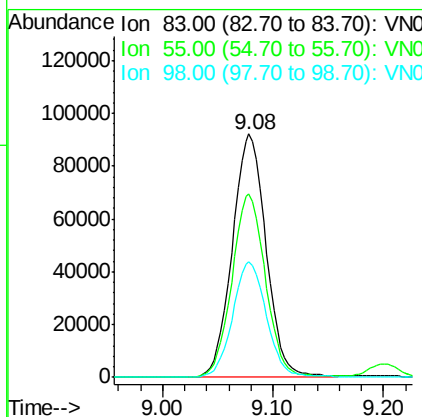
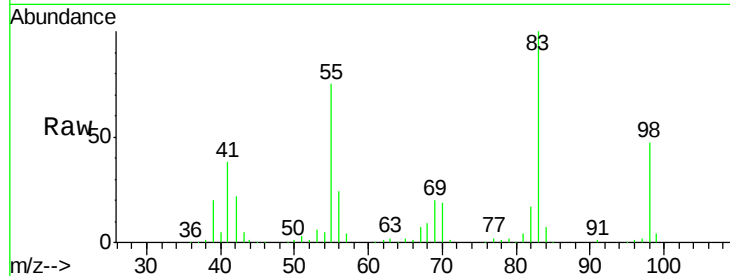
#39
Methvlcvclohexane
Concen: 44.756 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.3	88.9
98	47.4	36.6	54.8

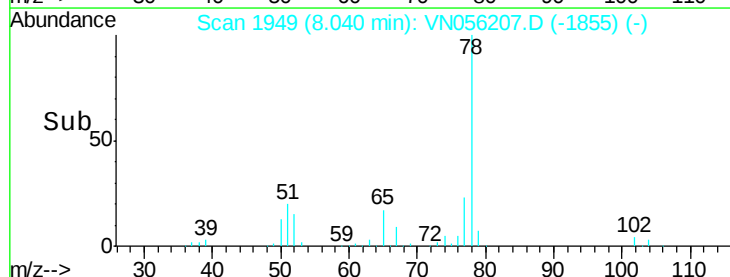
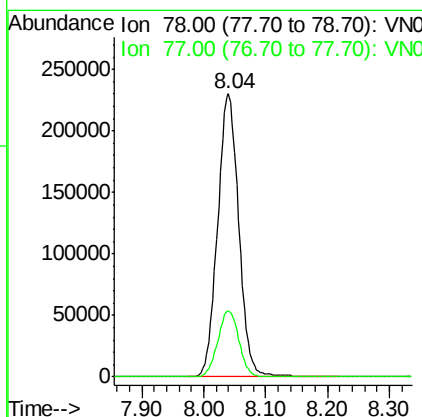
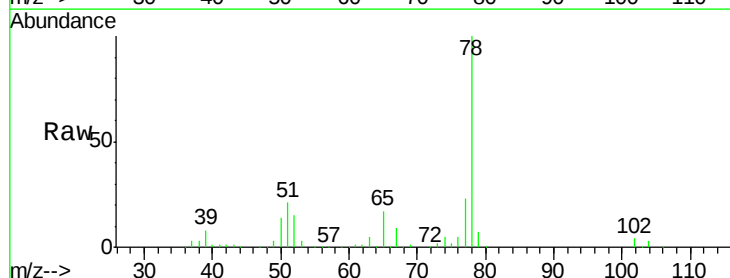
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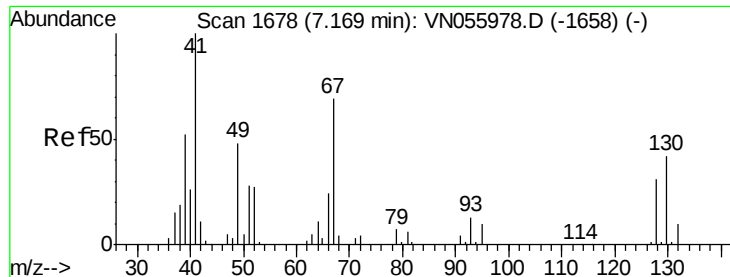
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#40
Benzene
Concen: 51.051 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





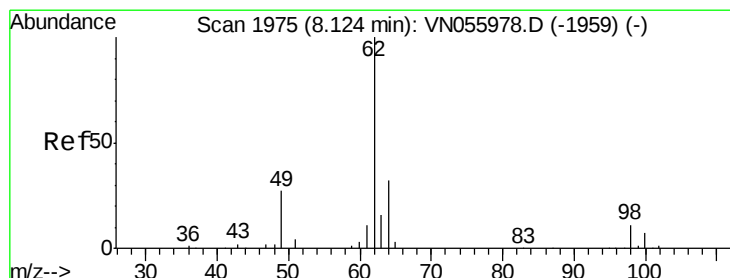
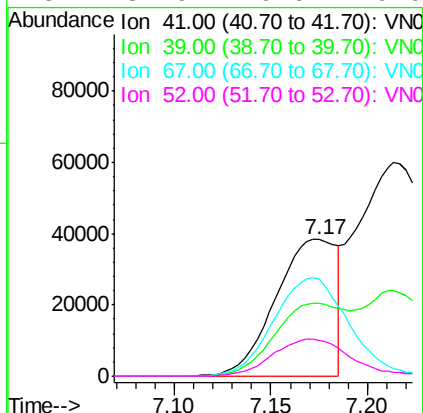
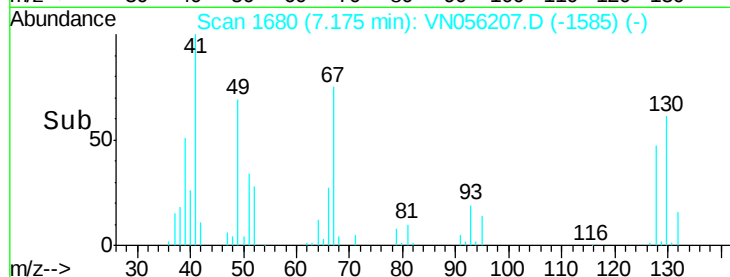
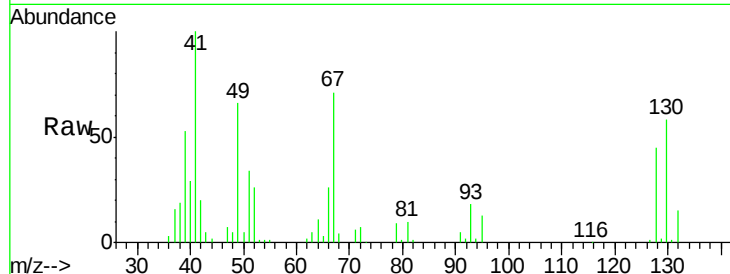
#41
Methacrylonitrile
Concen: 58.453 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	84192
Ion Ratio	Lower	Upper	
41	100		
39	62.2	45.6	68.4
67	89.3	67.7	101.5
52	34.9	26.6	40.0

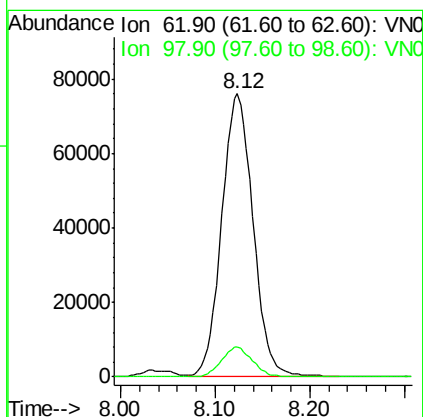
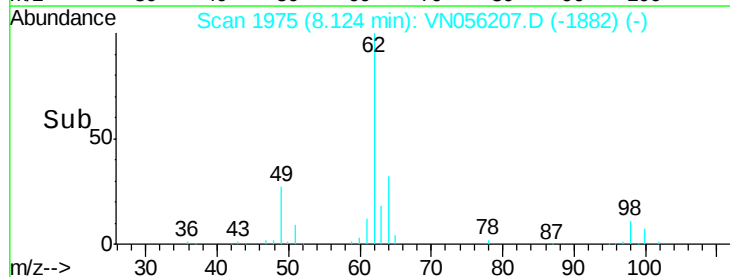
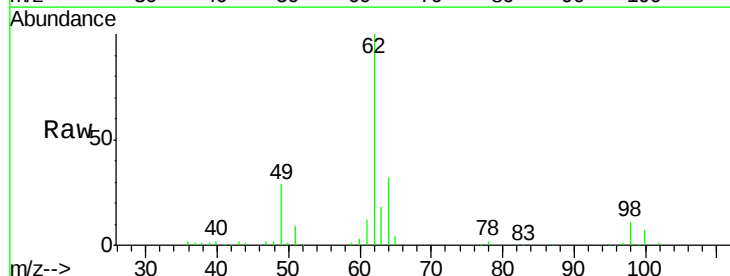
Manual Integrations
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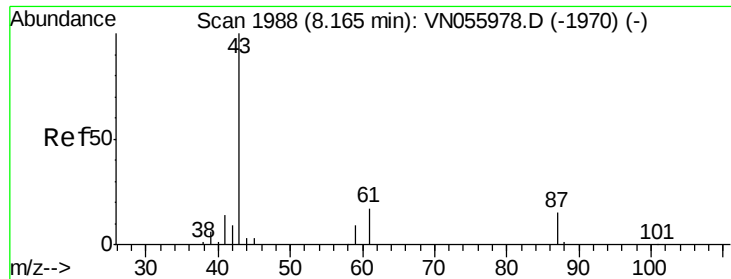
MMDadoda
6/11/2019 11:58:45 AM



#42
1,2-Dichloroethane
Concen: 50.946 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion:	62	Resp:	175119
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.2





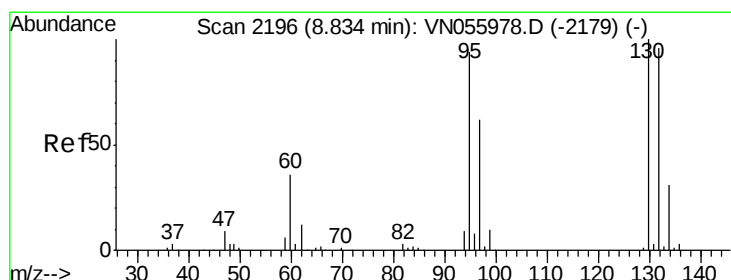
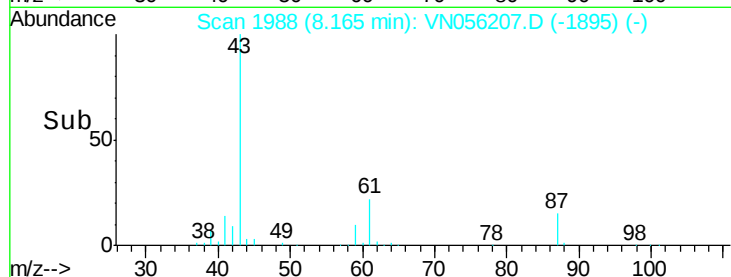
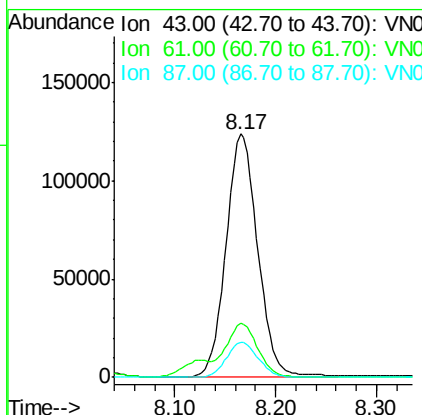
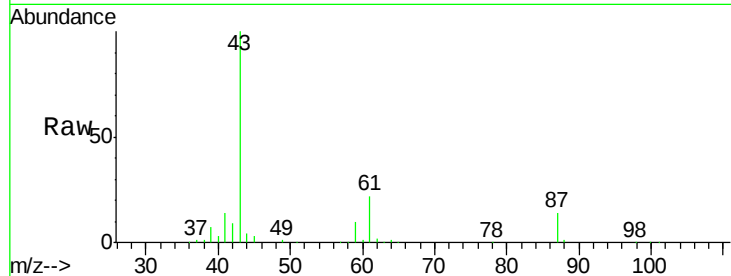
#43
Isopropyl Acetate
Concen: 53.031 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	22.2	33.4#
87	14.6	11.4	17.2

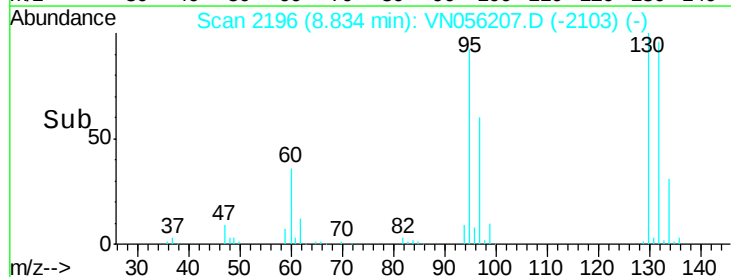
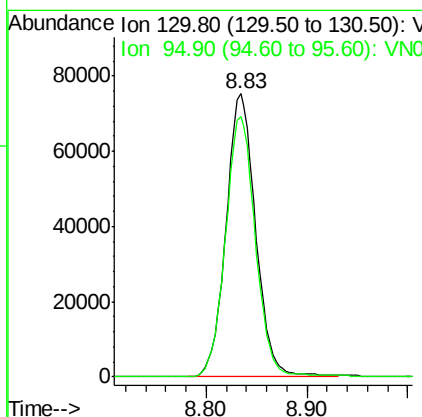
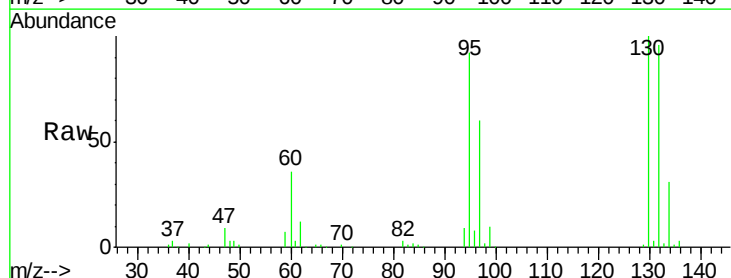
Manual Integrations
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#44
Trichloroethene
Concen: 50.242 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	188.0





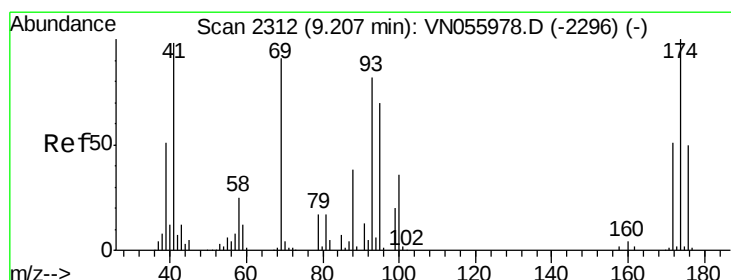
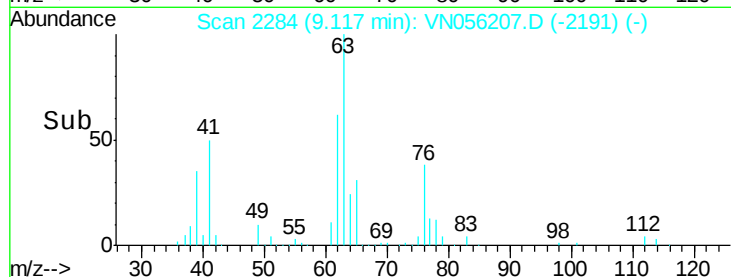
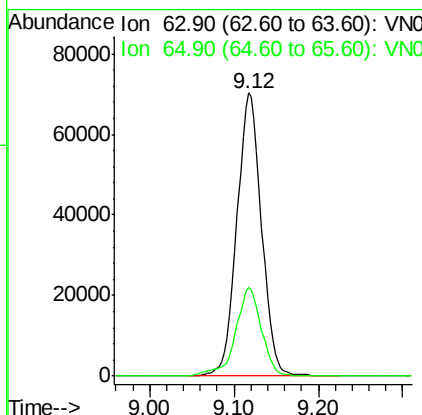
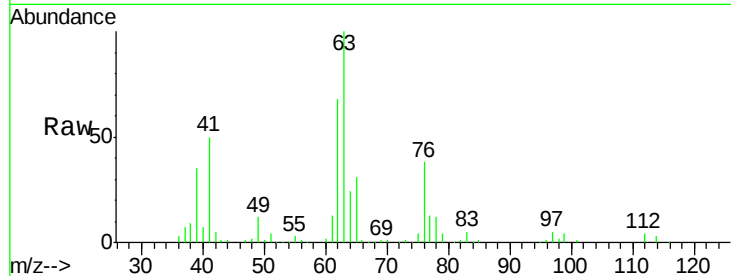
#45
 1,2-Dichloropropane
 Concen: 52.440 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.6	36.8

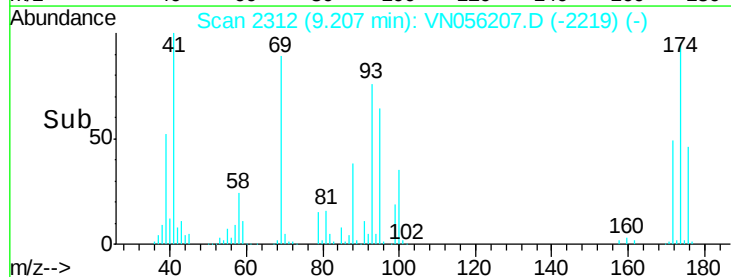
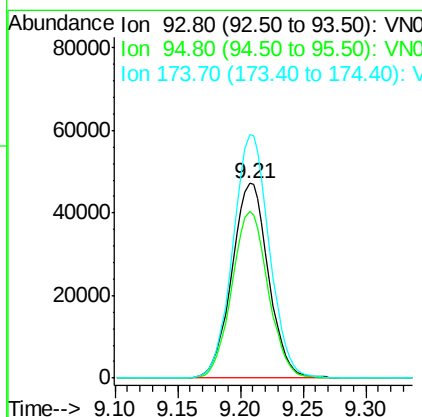
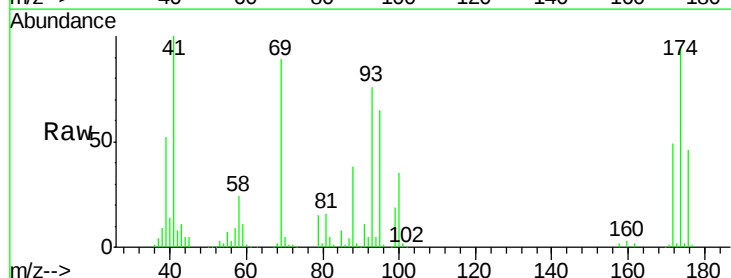
Manual Integrations
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#46
 Dibromomethane
 Concen: 53.495 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	124.5	96.4	144.6





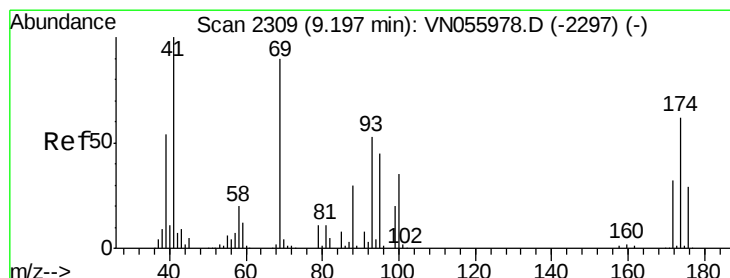
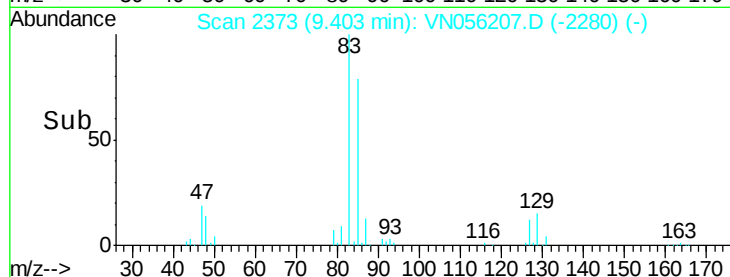
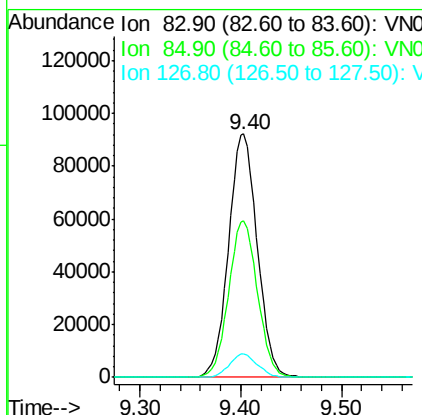
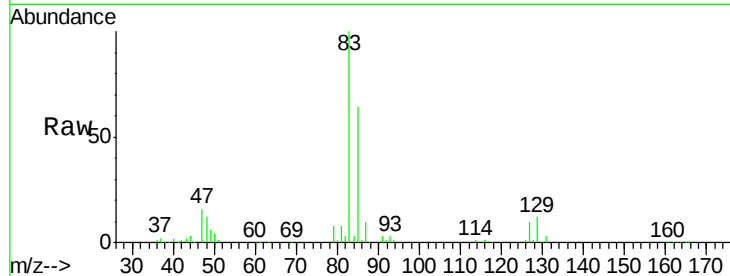
#47
Bromodichloromethane
Concen: 56.276 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	182562
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.2	78.2
127	9.5	7.4	11.0

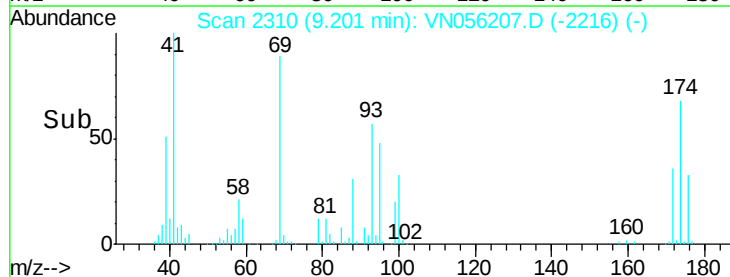
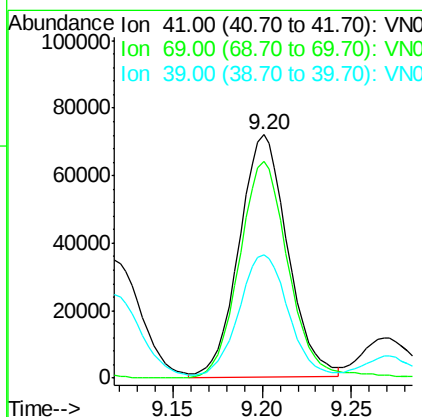
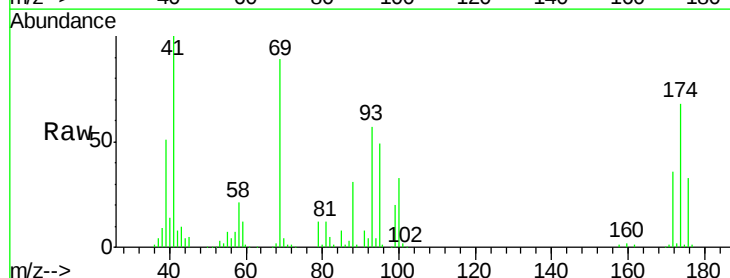
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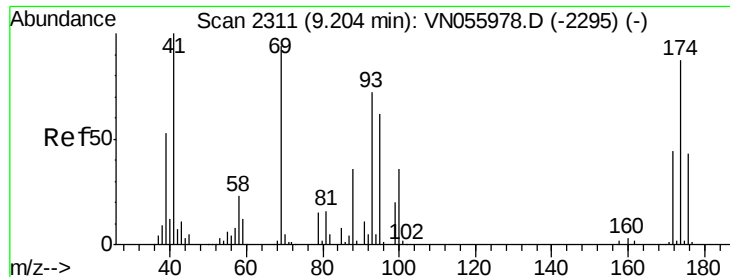
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6/11/2019 11:58:45 AM



#48
Methyl methacrylate
Concen: 55.144 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	41	Resp	136857
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	71.0	106.6
39	51.5	44.2	66.2





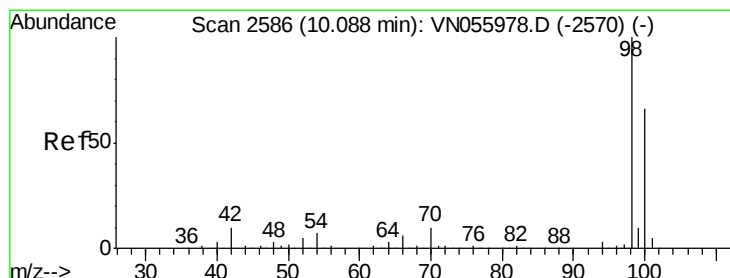
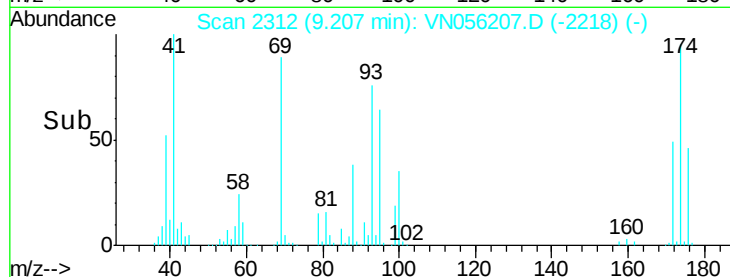
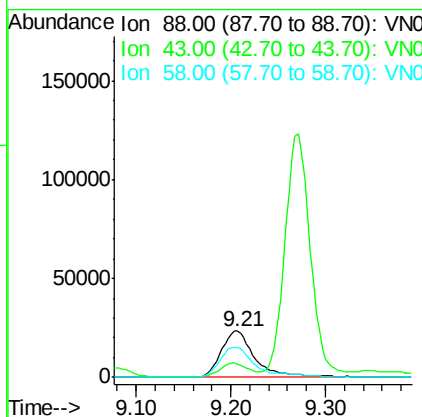
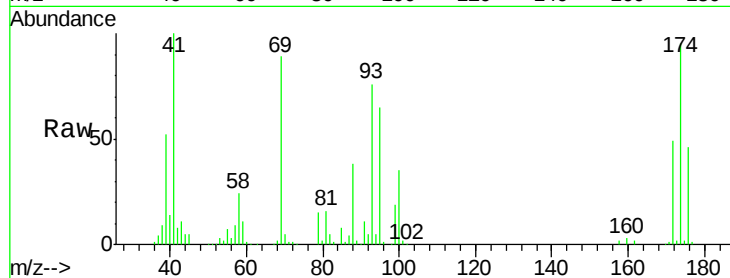
#49
1,4-Dioxane
Concen: 1088.221 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	58306
Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	69.6	55.8	83.6

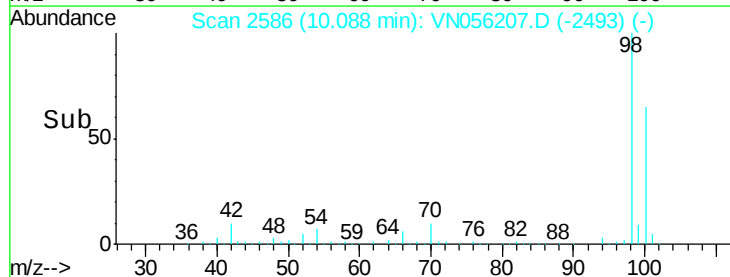
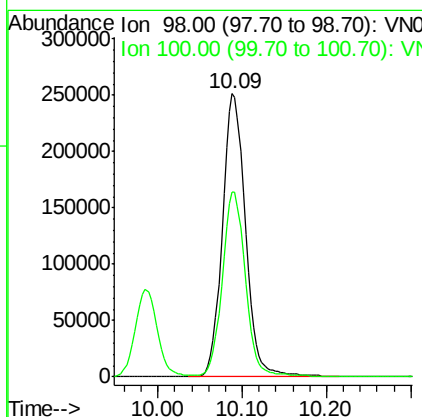
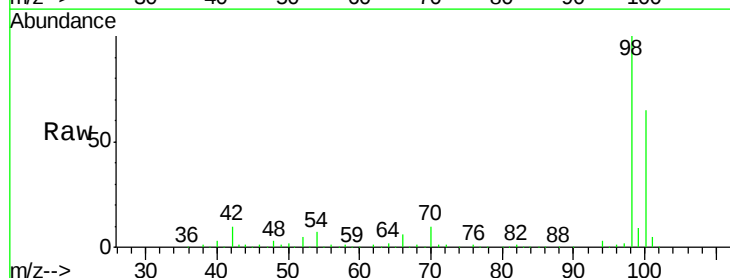
Manual Integrations
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#50
Toluene-d8
Concen: 49.640 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	98	Resp	479538
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 280.227 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 888973

Ion Ratio Lower Upper

43 100

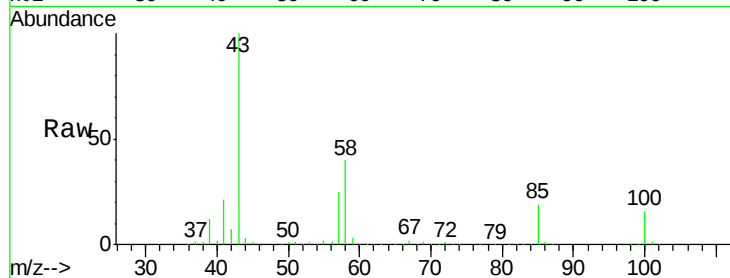
58 40.4 32.1 48.1

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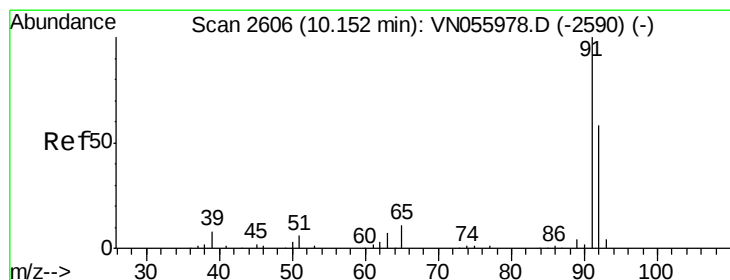
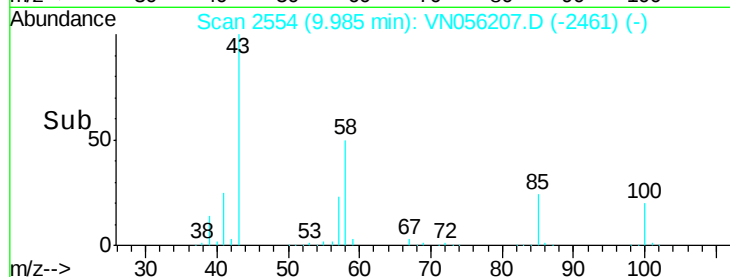
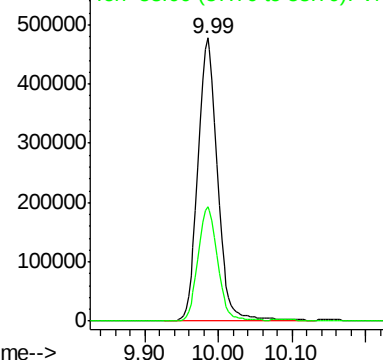
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.315 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056207.D

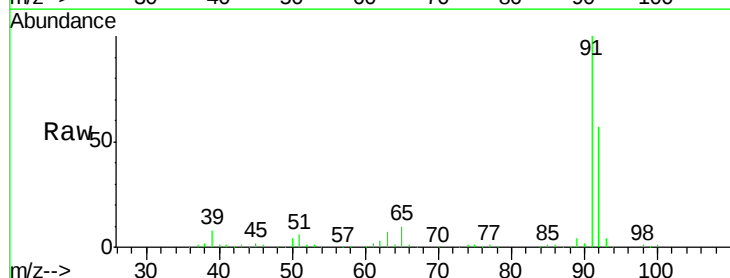
Acq: 11 Jun 2019 8:06

Tgt Ion: 92 Resp: 341224

Ion Ratio Lower Upper

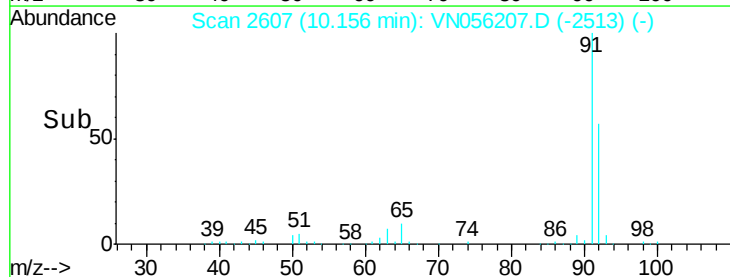
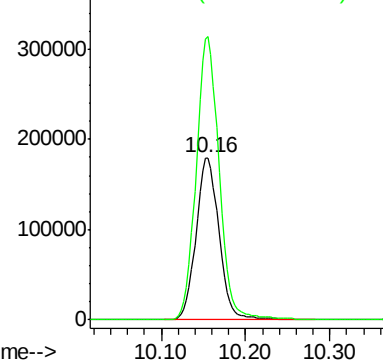
92 100

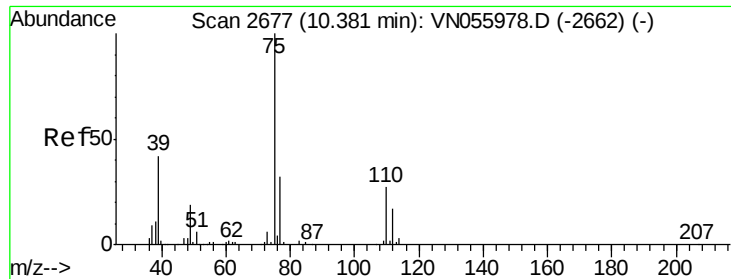
91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





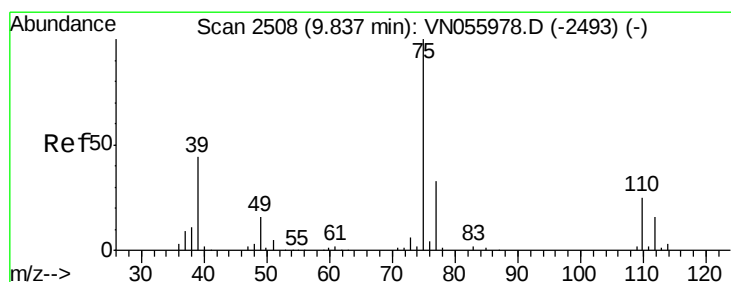
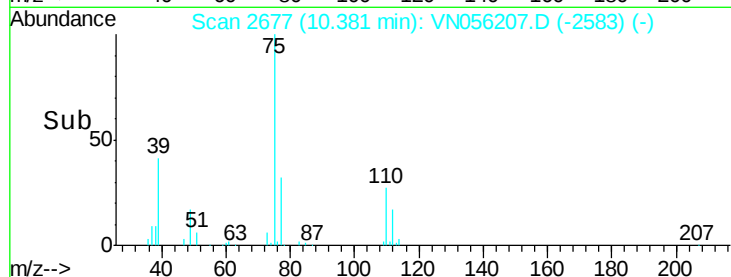
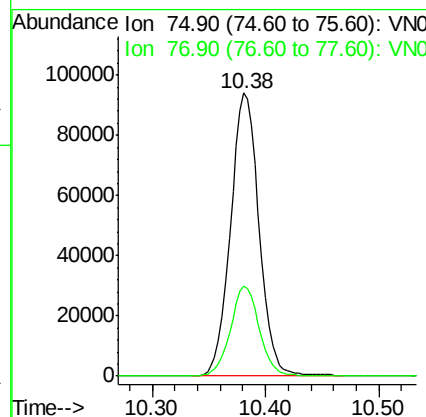
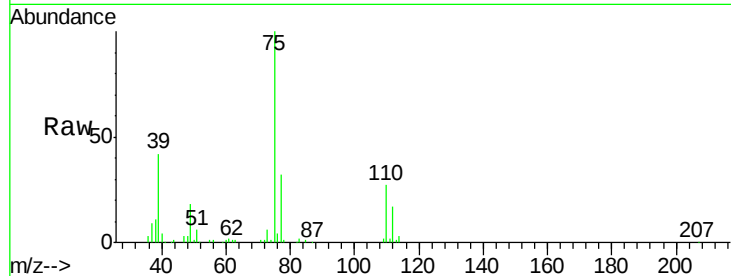
#53
 t-1,3-Dichloropropene
 Concen: 43.671 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 75 Resp: 164885
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6

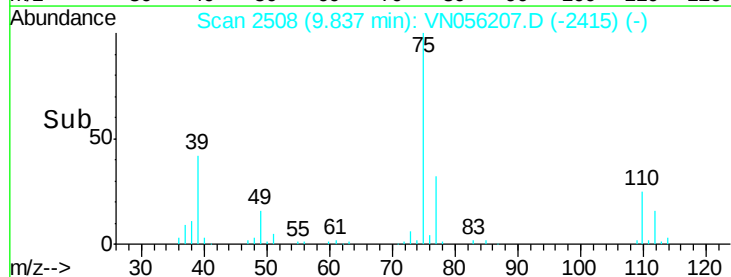
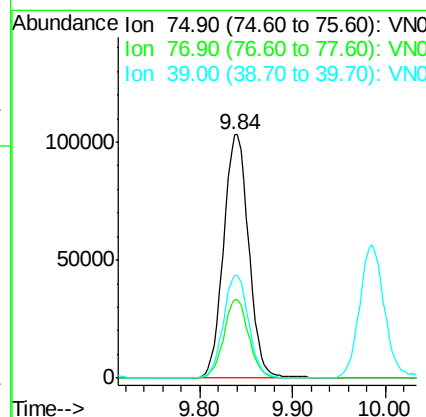
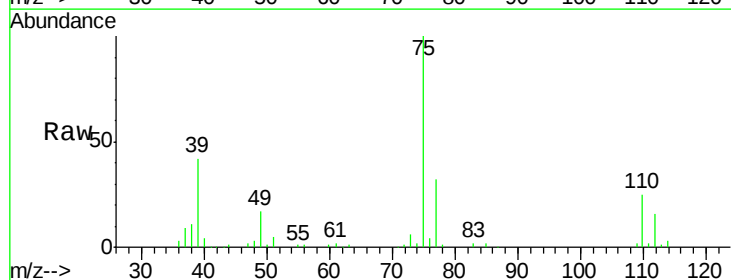
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#54
 cis-1,3-Dichloropropene
 Concen: 49.883 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion: 75 Resp: 194515
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 42.3 36.3 54.5





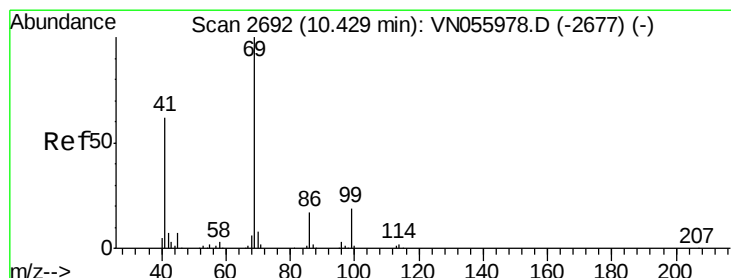
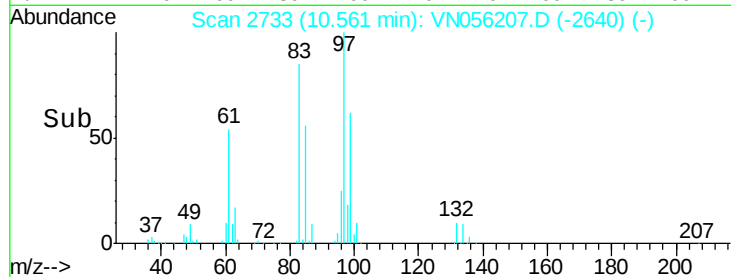
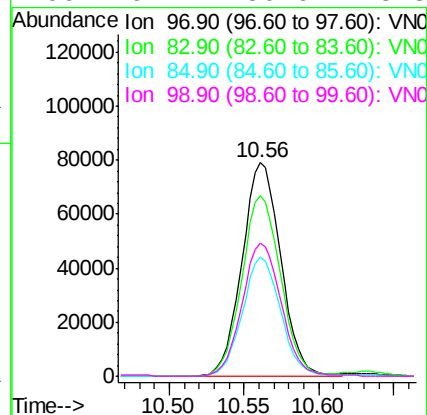
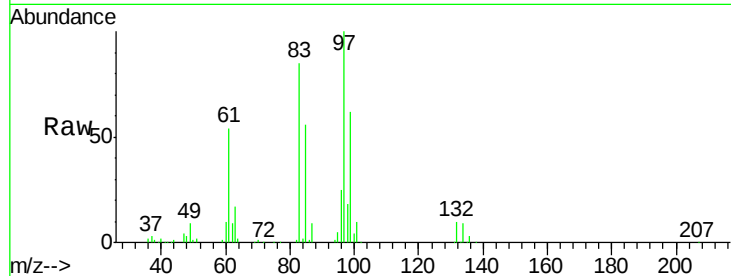
#55
 1,1,2-Trichloroethane
 Concen: 54.186 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	142725
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.0	100.6
85	55.6	44.0	66.0
99	62.1	50.6	75.8

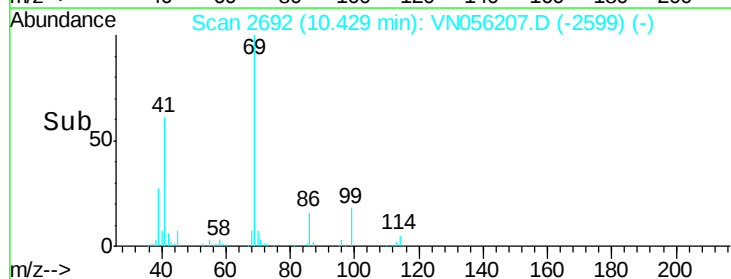
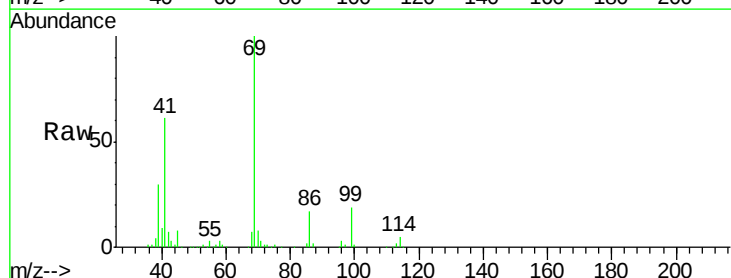
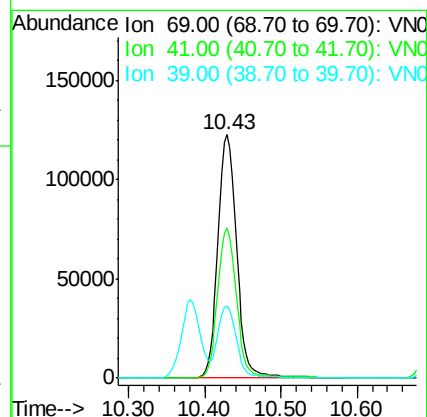
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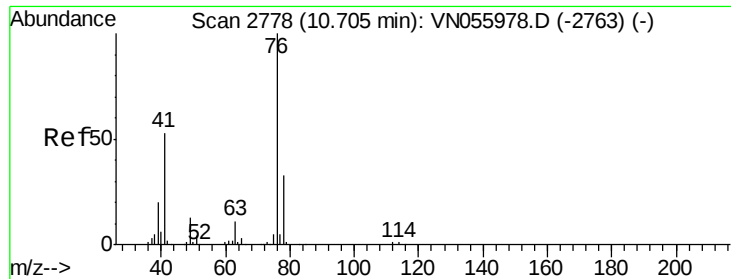
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#56
 Ethyl methacrylate
 Concen: 54.813 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion:	69	Resp:	210630
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.7	74.5
39	29.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.806 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 230393

Ion Ratio Lower Upper

76 100

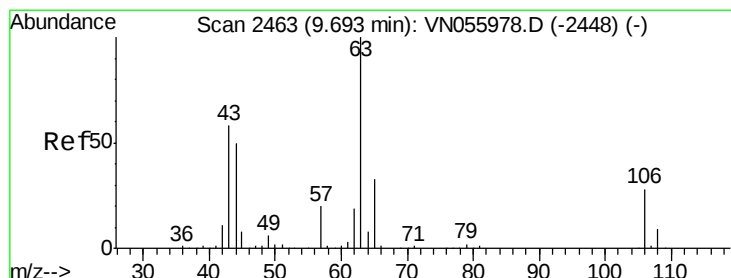
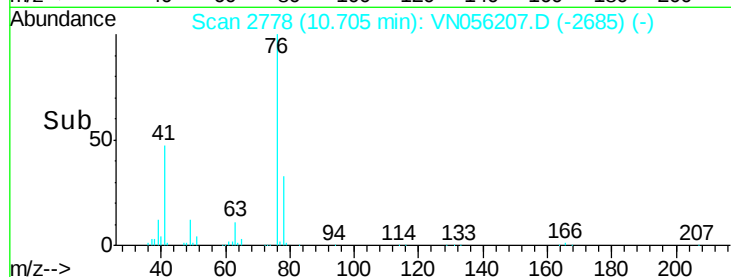
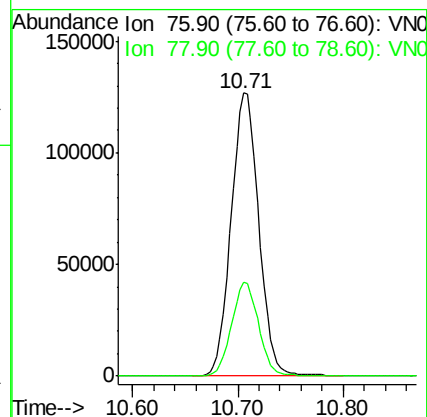
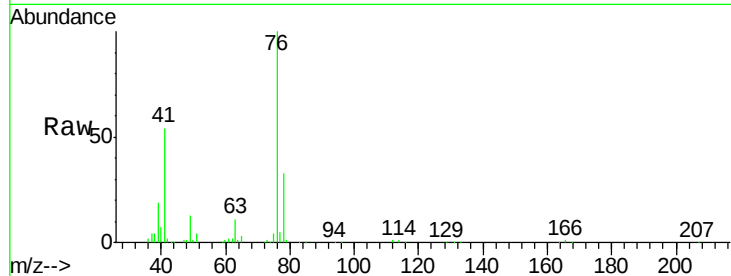
78 32.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 230.304 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056207.D

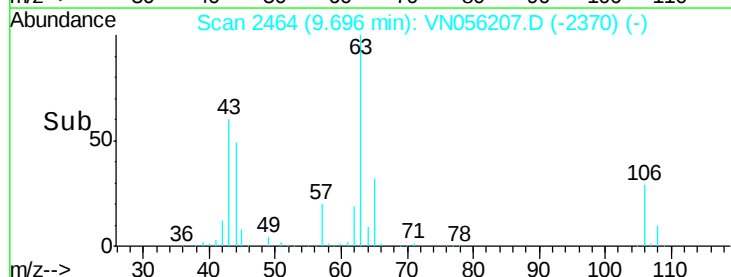
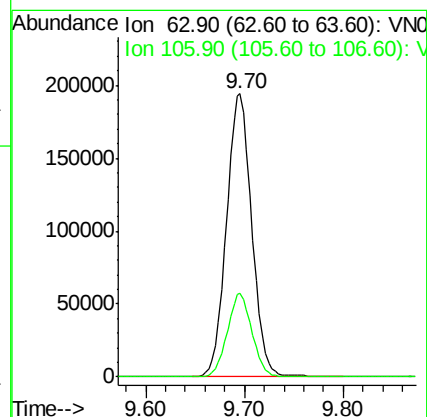
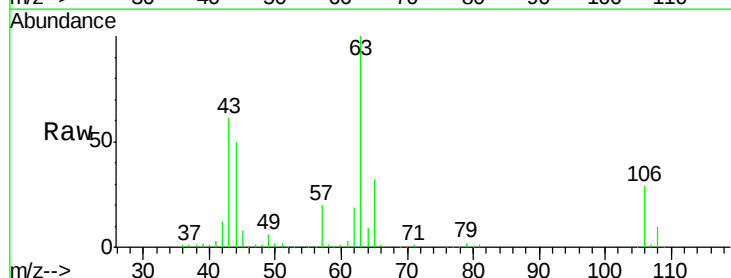
Acq: 11 Jun 2019 8:06

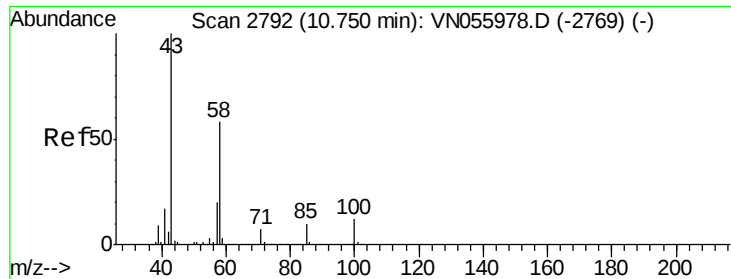
Tgt Ion: 63 Resp: 348988

Ion Ratio Lower Upper

63 100

106 28.7 22.7 34.1





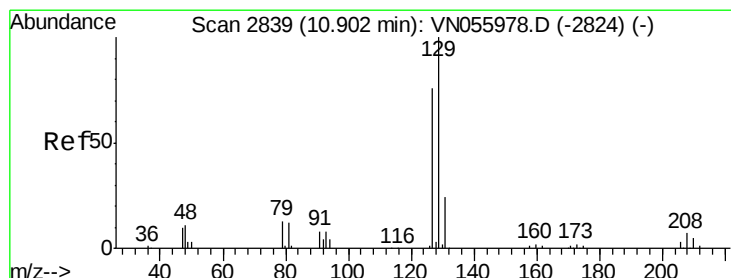
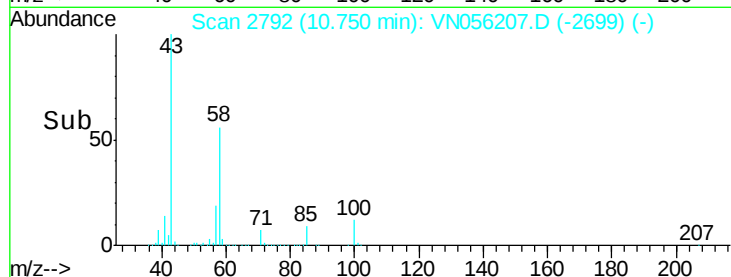
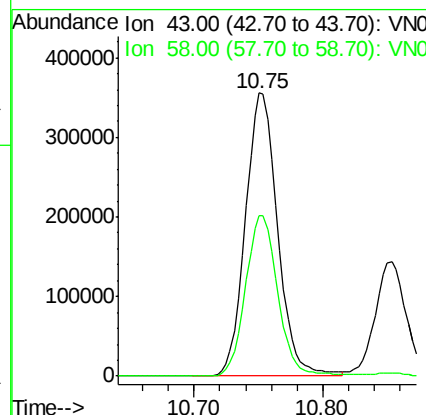
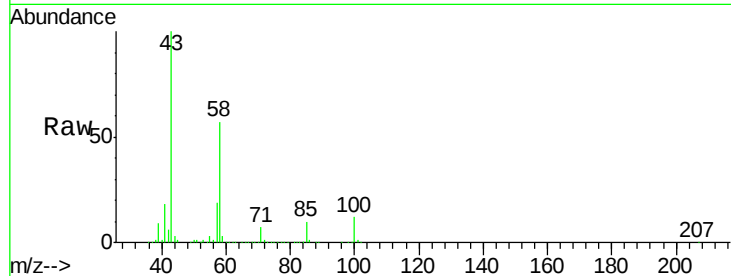
#59
2-Hexanone
Concen: 268.601 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 617577
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7

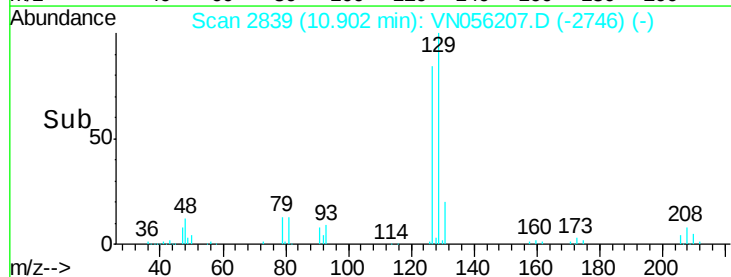
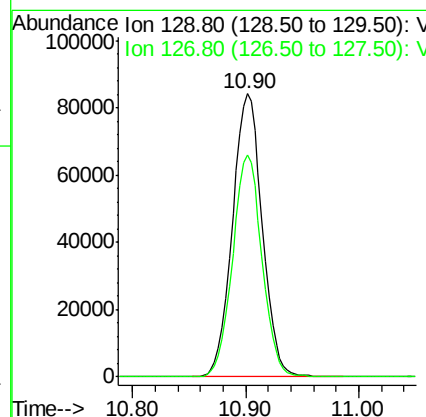
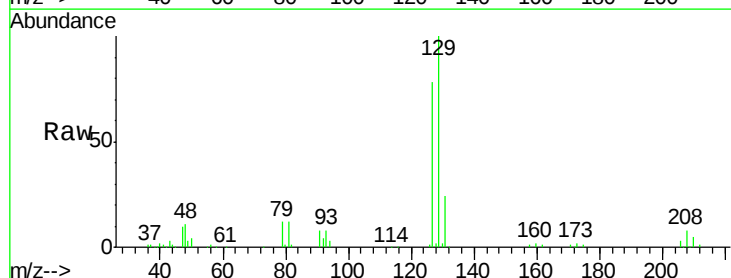
Manual Integrations
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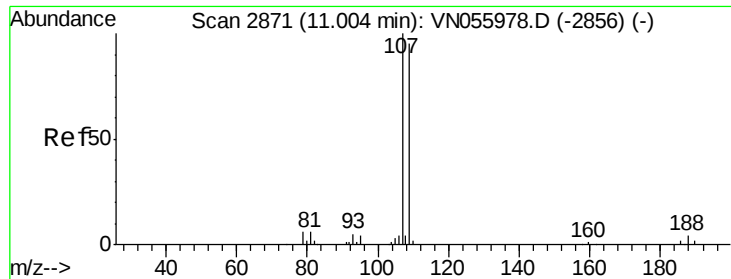
MMDadoda
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#60
Dibromochloromethane
Concen: 52.908 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion: 129 Resp: 154135
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





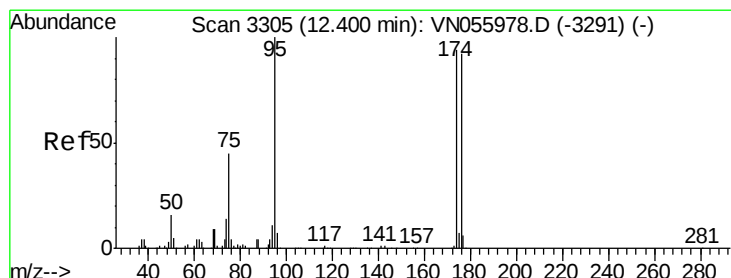
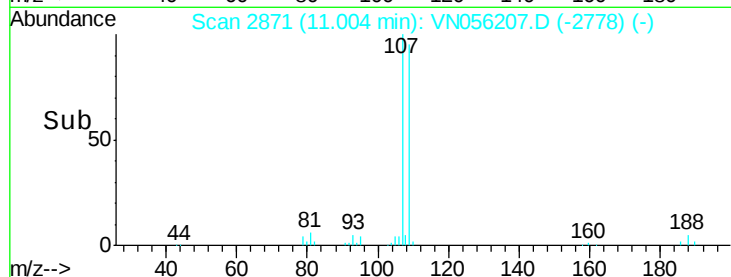
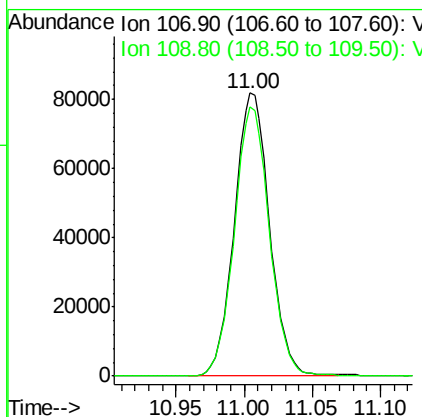
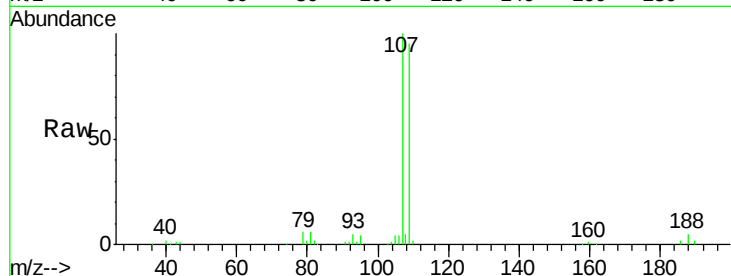
#61
 1,2-Dibromoethane
 Concen: 54.435 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.8	112.2

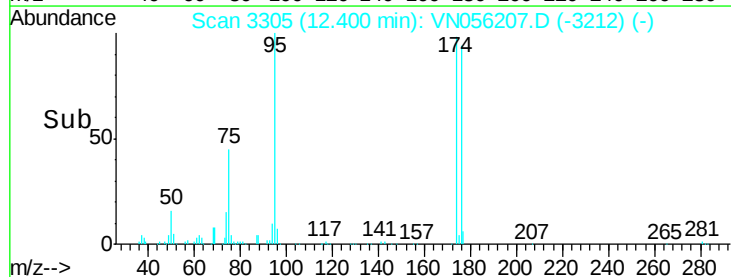
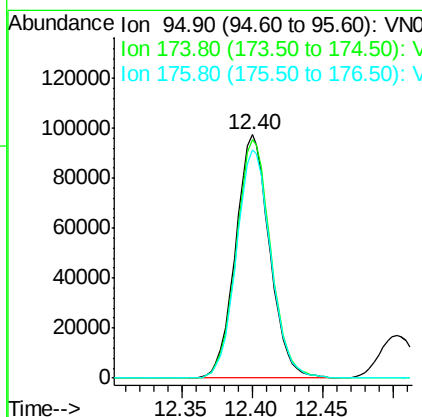
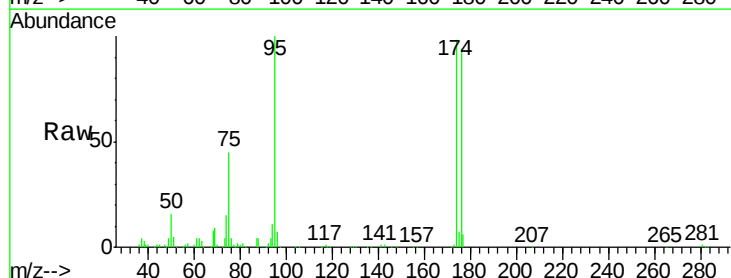
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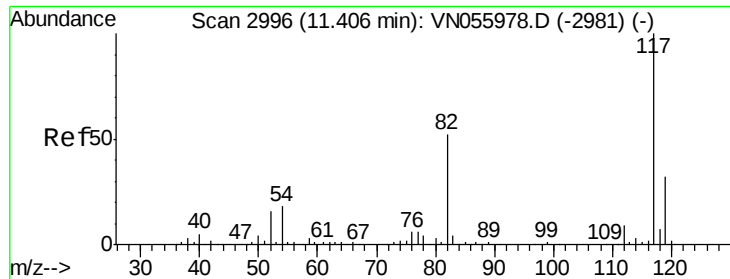
MMDadoda
 6/11/2019 11:58:45 AM



#62
 4-Bromofluorobenzene
 Concen: 50.115 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.2	0.0	191.0
176	95.4	0.0	185.2





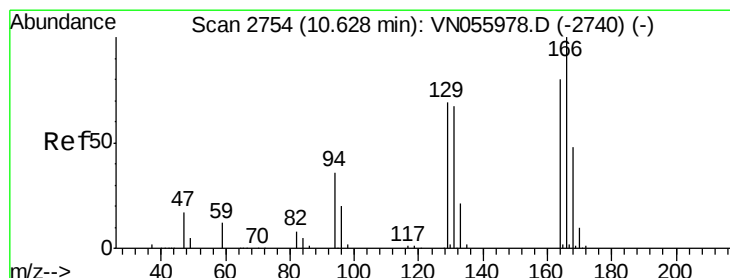
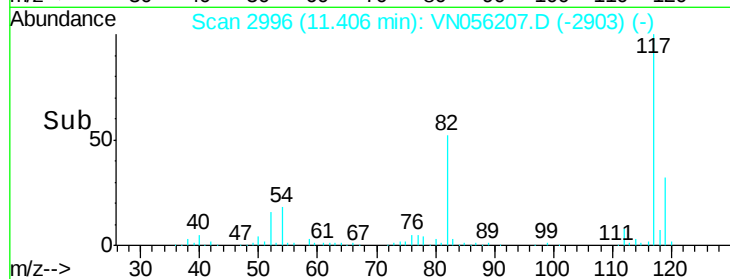
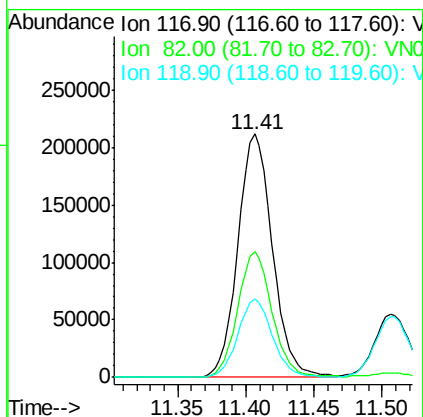
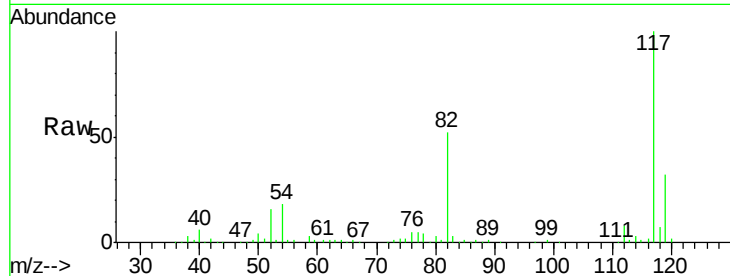
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.8	62.8
119	32.0	25.4	38.0

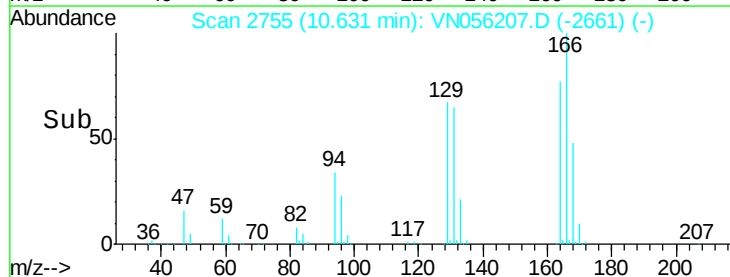
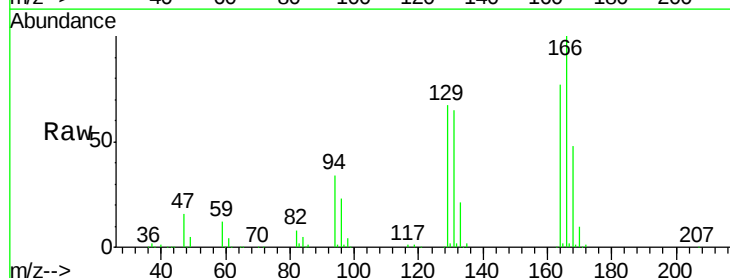
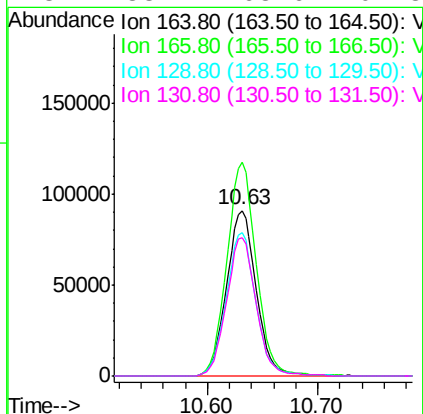
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#64
Tetrachloroethene
Concen: 52.451 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.0	154.6
129	86.7	70.6	105.8
131	83.7	68.6	102.8





#65

Chlorobenzene

Concen: 50.203 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 373216

Ion Ratio Lower Upper

112 100

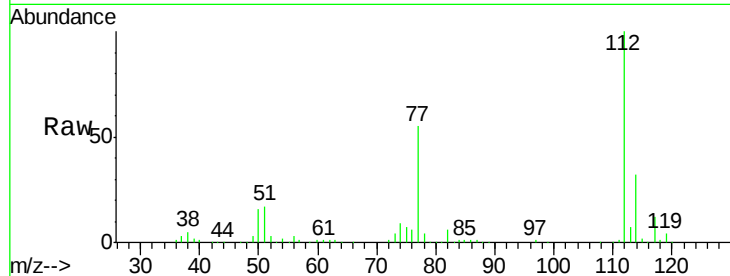
114 32.0 26.2 39.4

Manual Integrations

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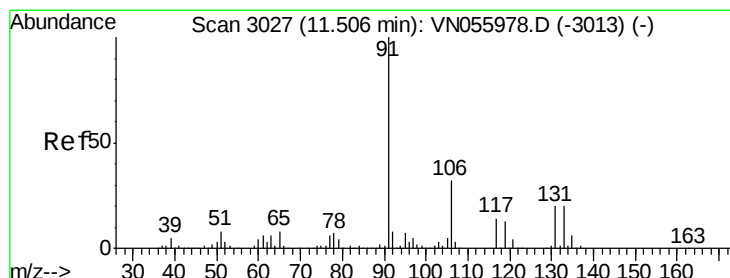
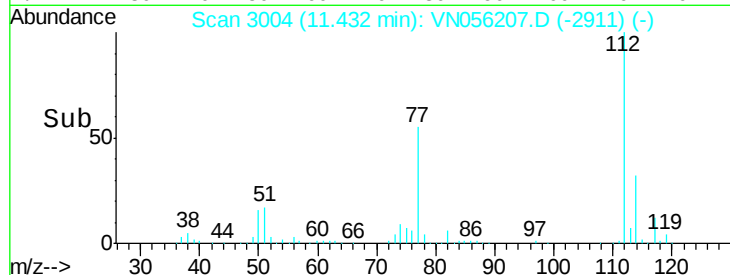
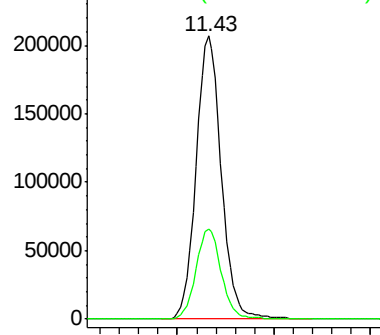
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.559 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

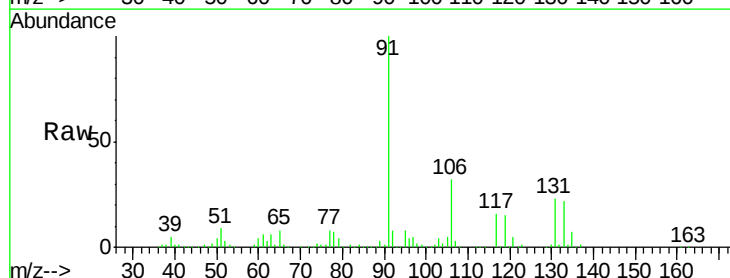
Tgt Ion:131 Resp: 142616

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.0

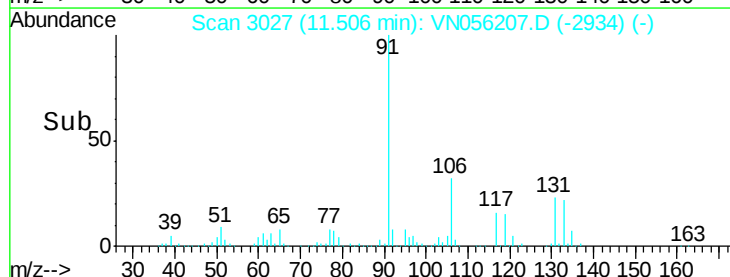
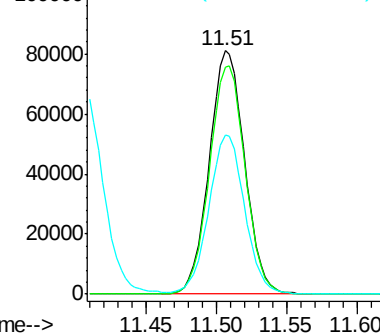
119 66.1 33.1 99.5

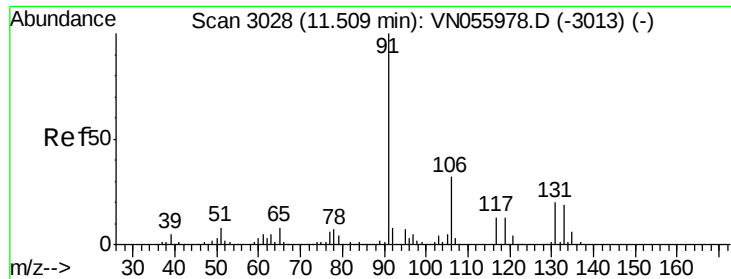


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





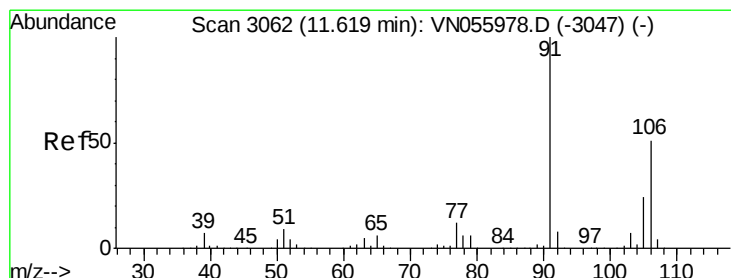
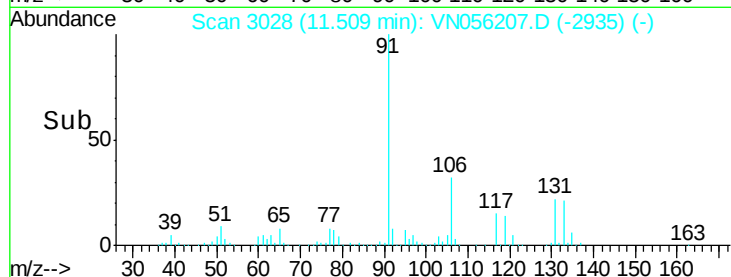
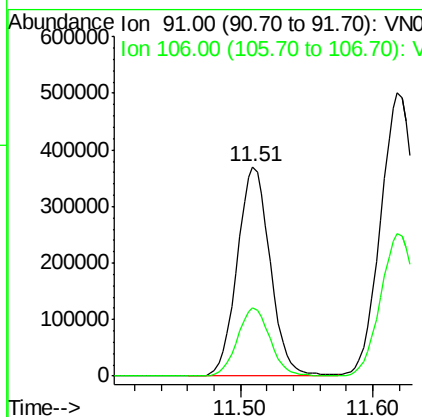
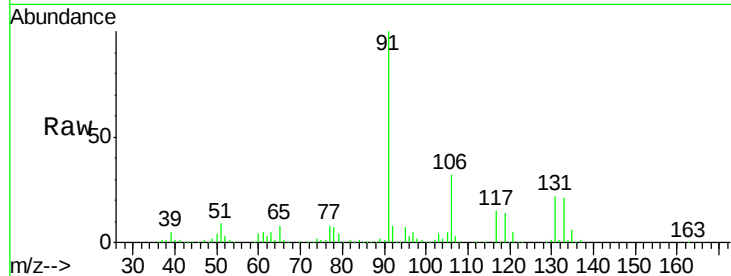
#67
Ethyl Benzene
Concen: 49.479 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 639602
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7

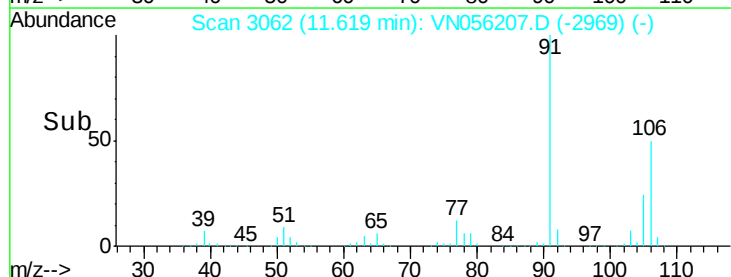
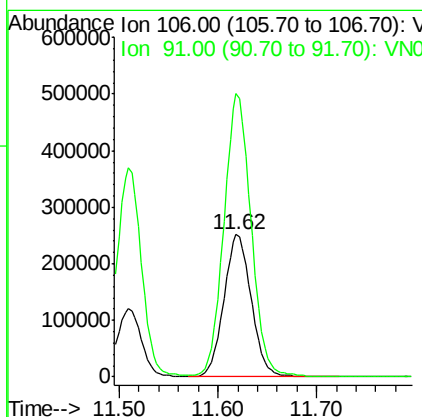
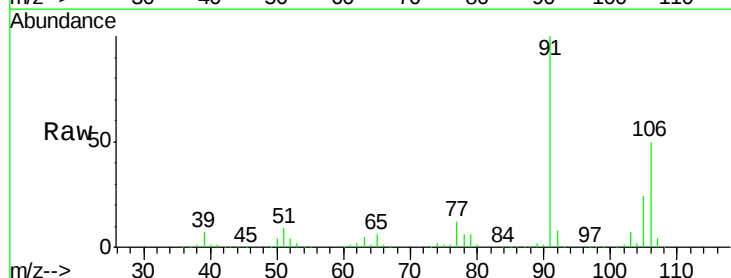
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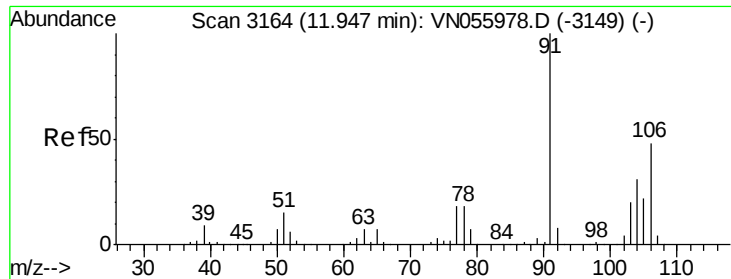
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#68
m/p-Xylenes
Concen: 99.397 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion: 106 Resp: 490838
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





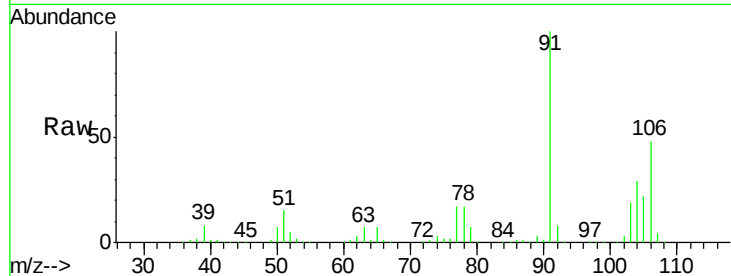
#69
o-Xylene
Concen: 50.124 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

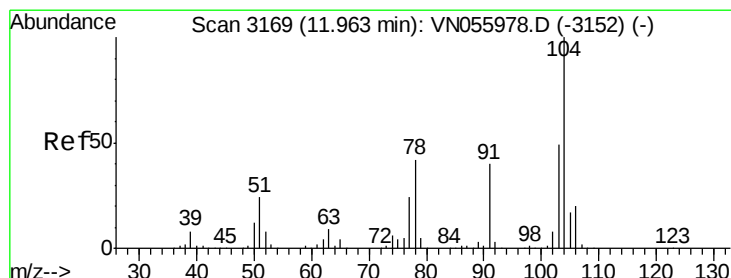
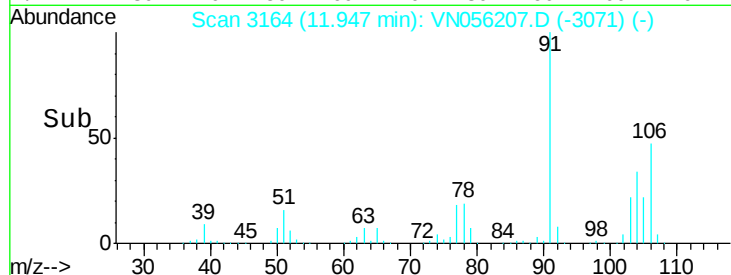
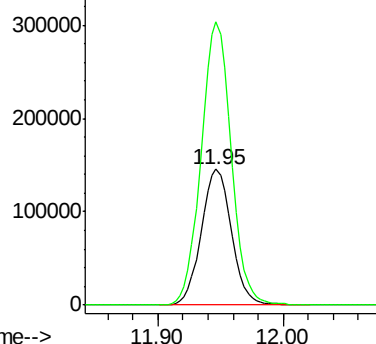
Tot Ion:106 Resp: 243474
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1

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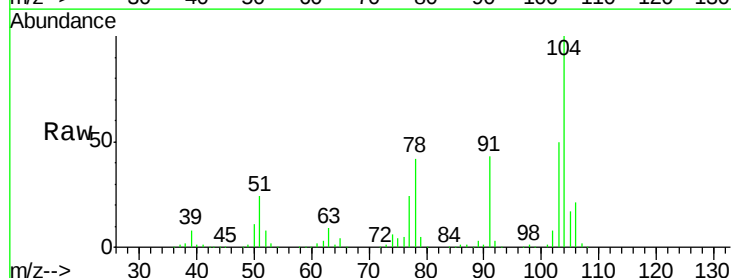


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

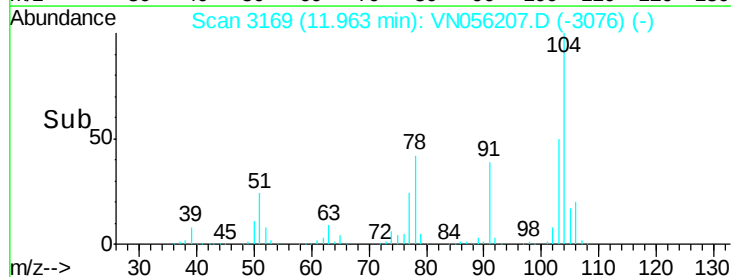
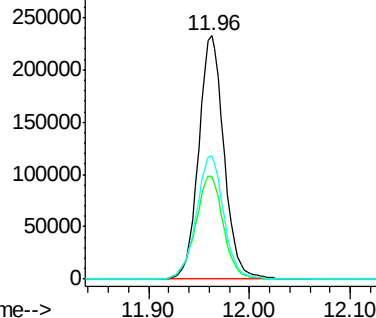


#70
Styrene
Concen: 52.691 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion:104 Resp: 406658
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 54.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





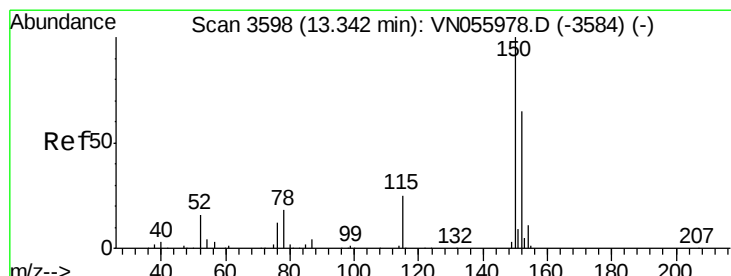
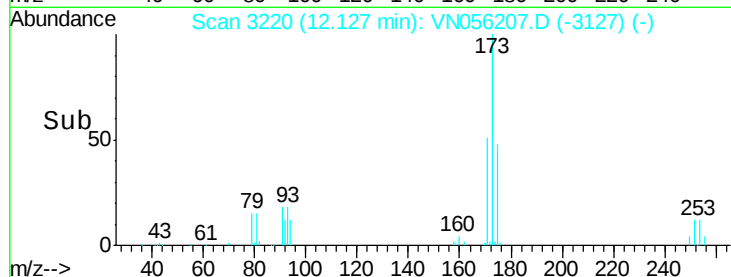
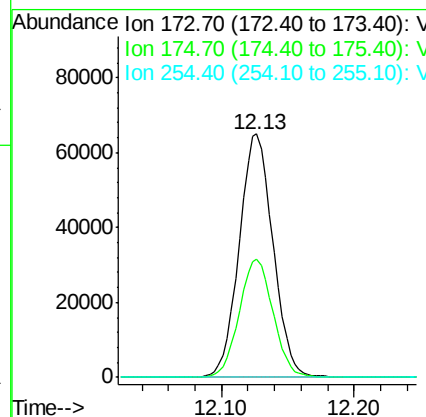
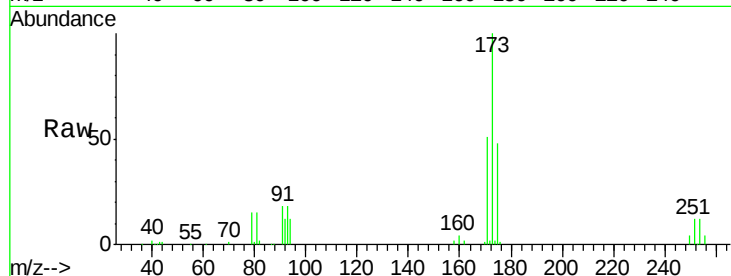
#71
Bromoform
Concen: 53.178 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

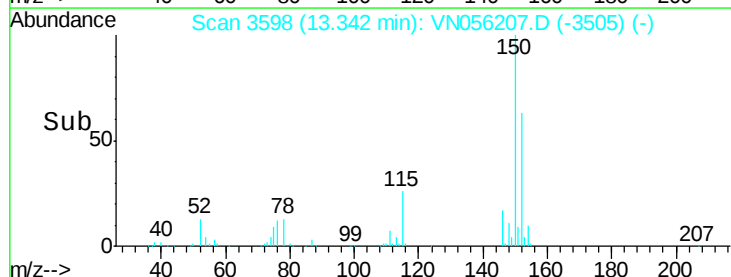
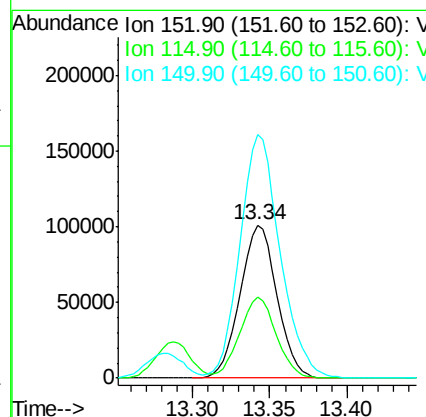
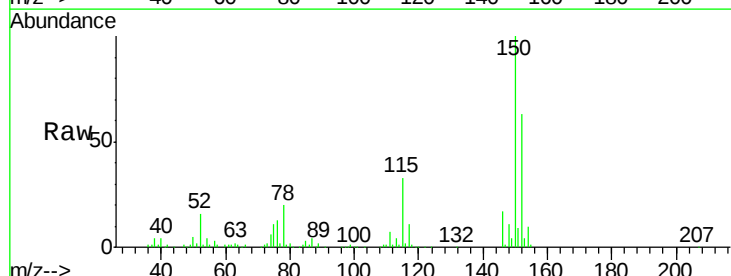
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	173.2	0.0	343.2





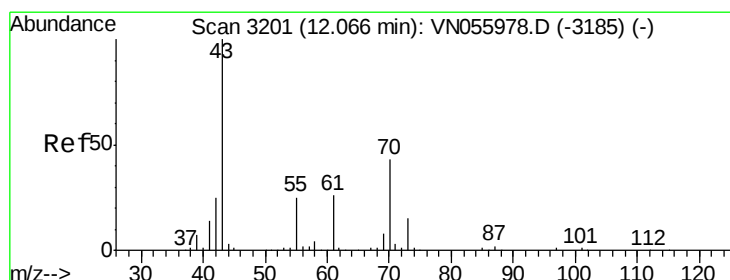
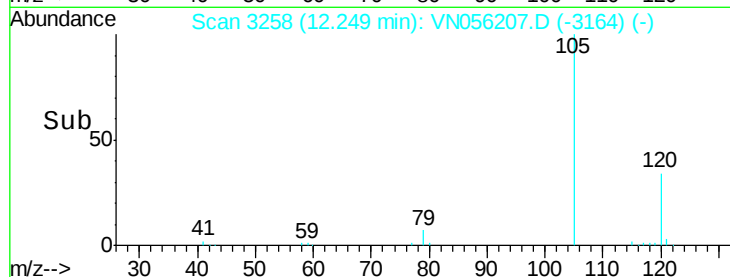
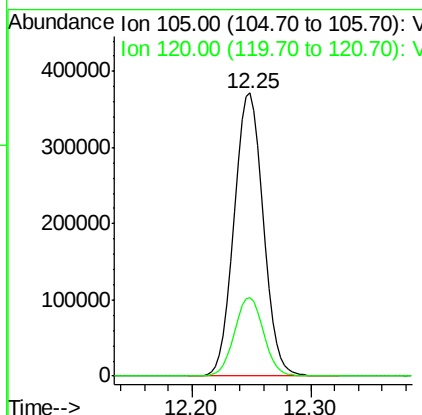
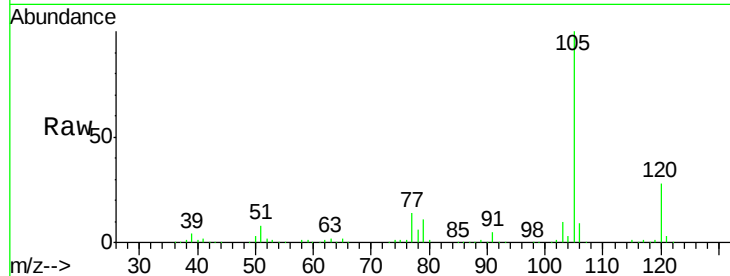
#73
Isopropylbenzene
Concen: 53.171 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 632164
Ion Ratio Lower Upper
105 100
120 27.7 13.6 40.7

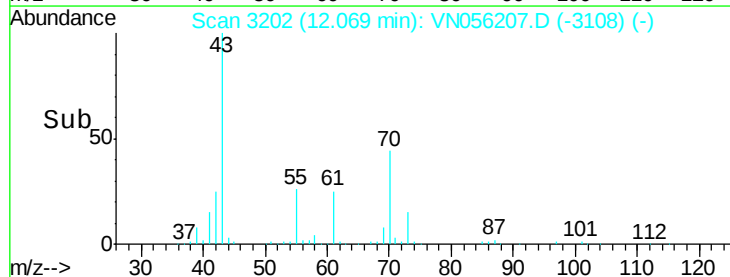
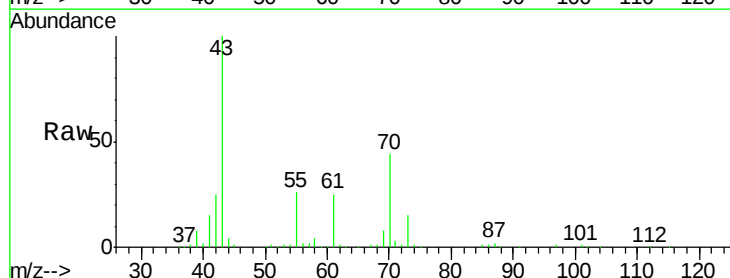
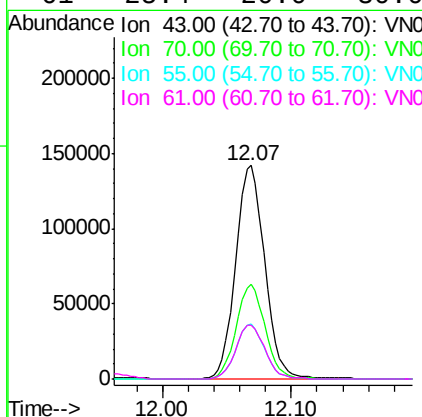
Manual Integrations
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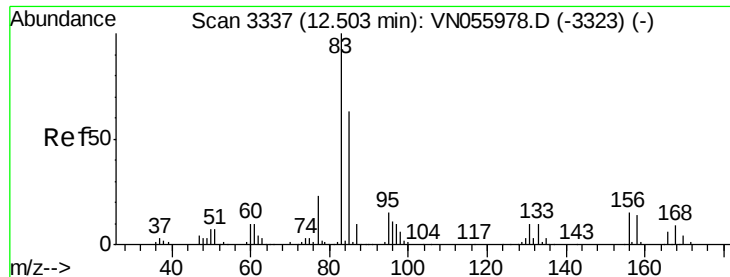
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#74
N-ethyl acetate
Concen: 50.051 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion: 43 Resp: 223181
Ion Ratio Lower Upper
43 100
70 44.1 34.0 51.0
55 25.5 18.6 28.0
61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.797 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

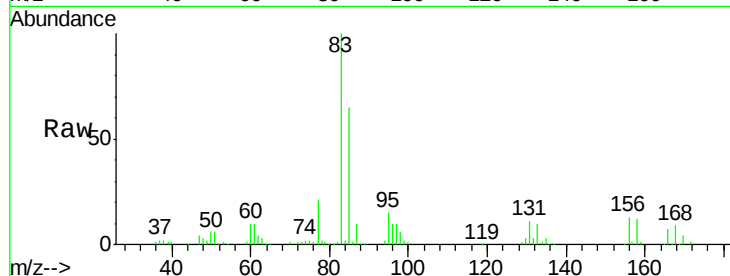
ClientSampleId :

VSTDCCC050EC

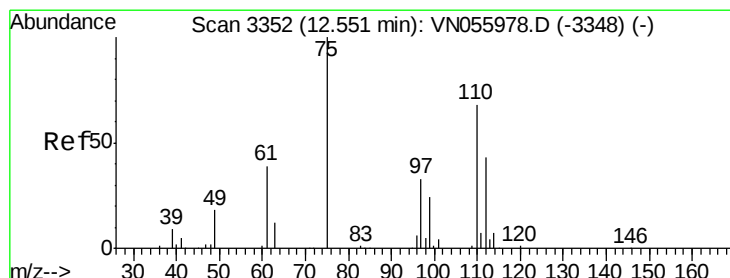
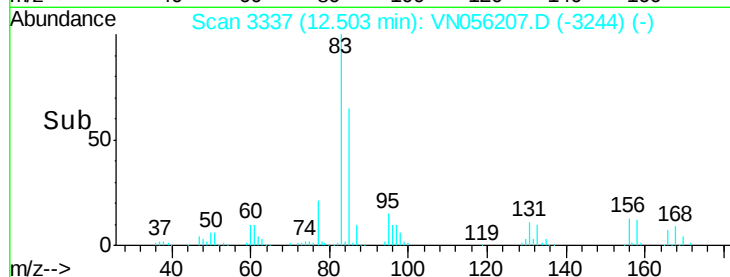
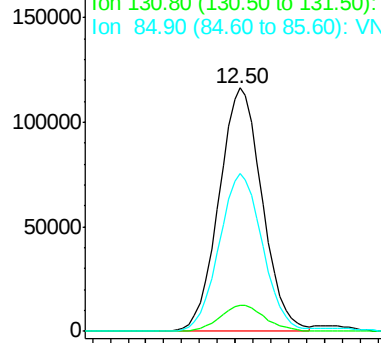
Tot Ion:	83	Resp:	197259
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	65.0	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 50.977 ug/l m

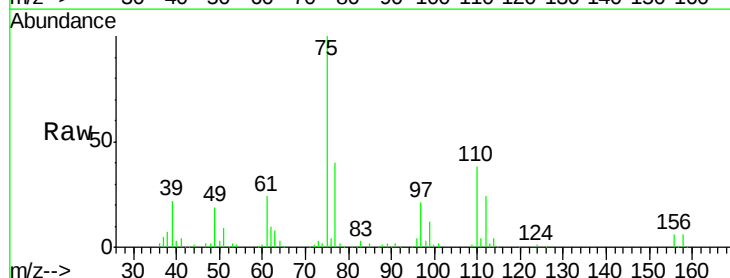
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

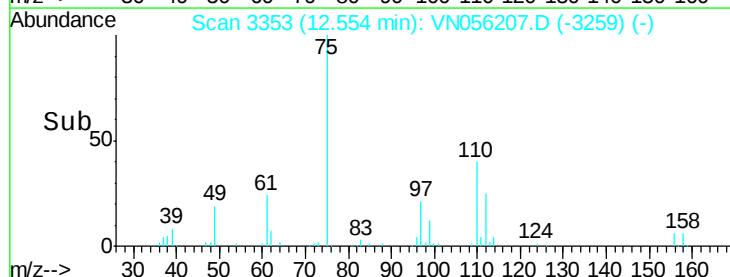
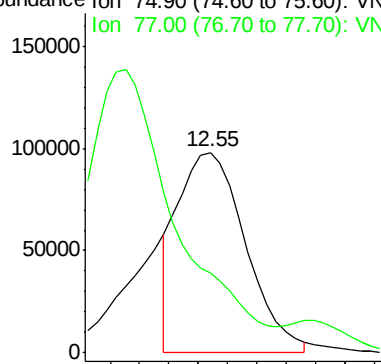
Lab File: VN056207.D

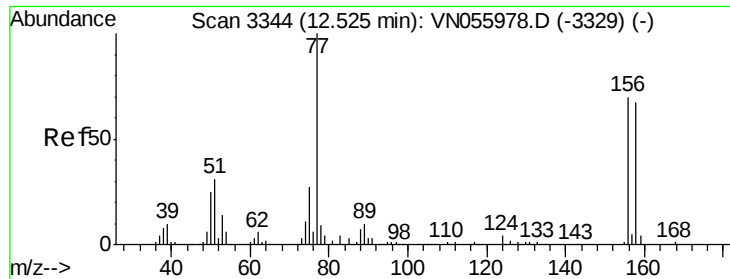
Acq: 11 Jun 2019 8:06

Tgt Ion:	75	Resp:	156908
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 49.274 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

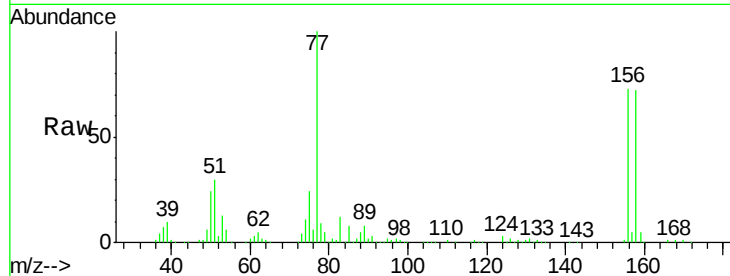
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.0	90.8	272.5
158	98.4	49.3	147.8

Manual Integrations
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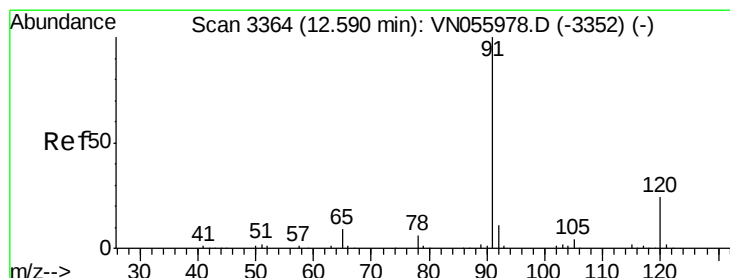
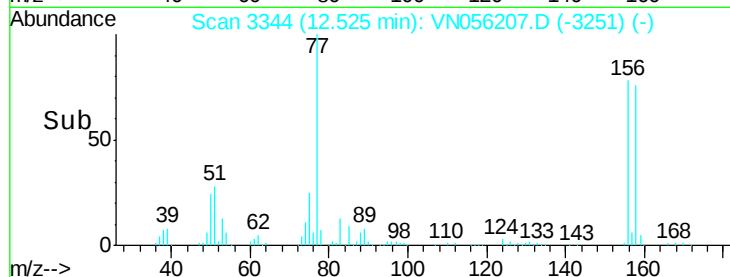
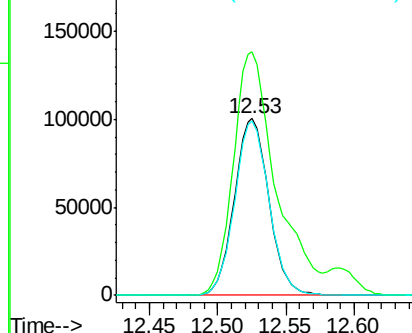
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.270 ug/l

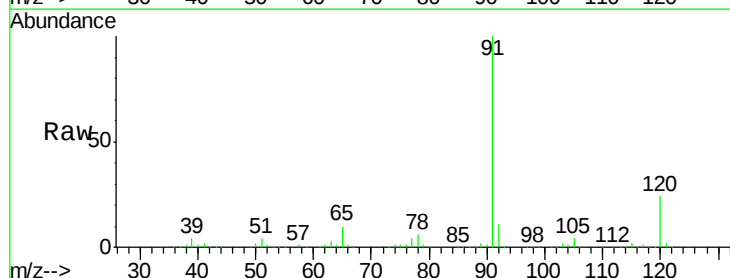
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056207.D

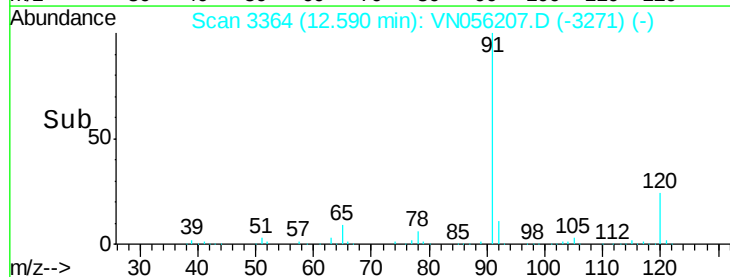
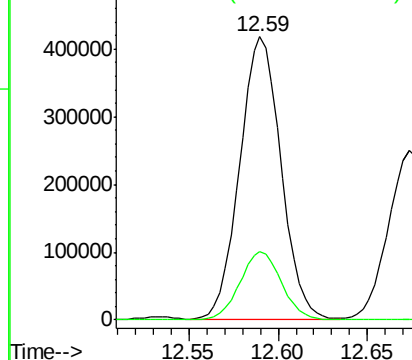
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.852 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 413818

Ion Ratio Lower Upper

91 100

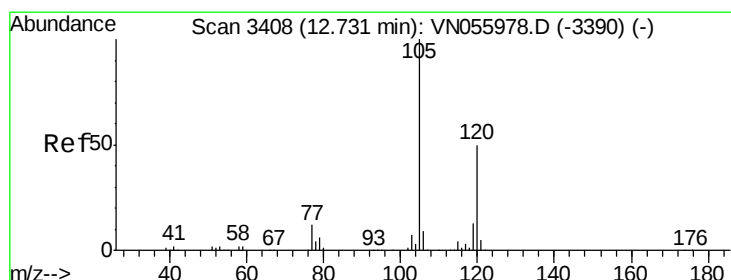
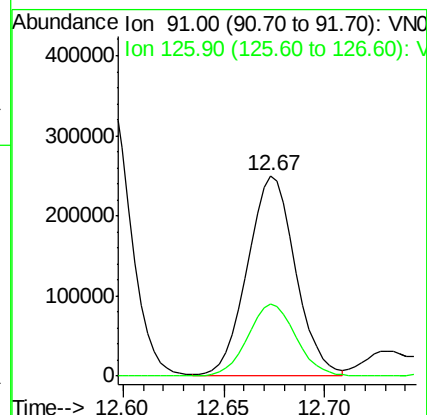
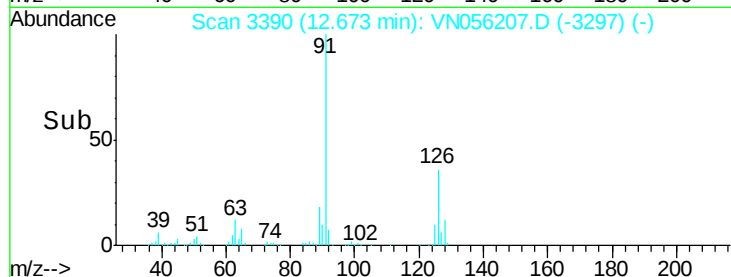
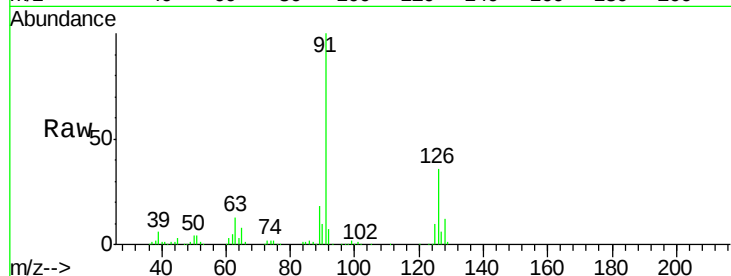
126 36.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 46.061 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056207.D

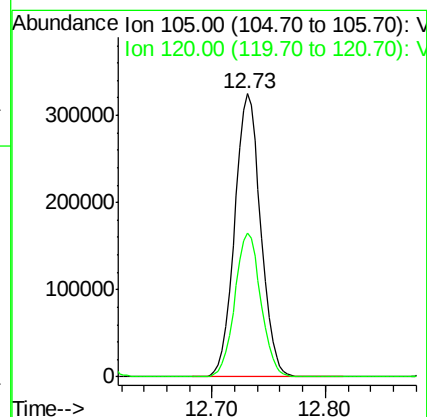
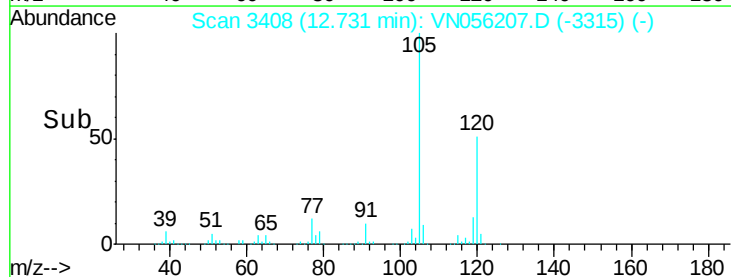
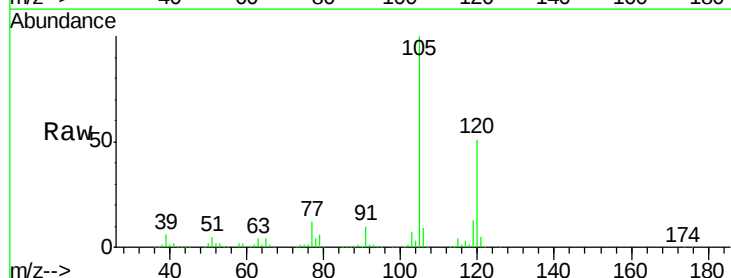
Acq: 11 Jun 2019 8:06

Tgt Ion: 105 Resp: 518057

Ion Ratio Lower Upper

105 100

120 50.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.445 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

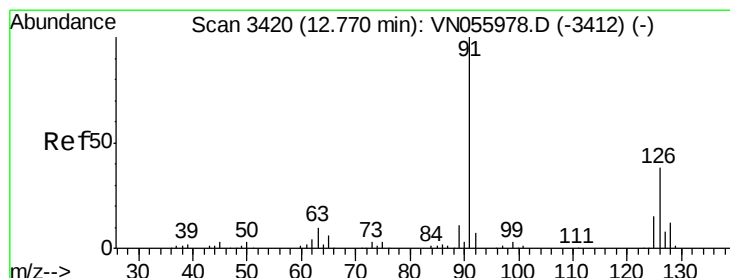
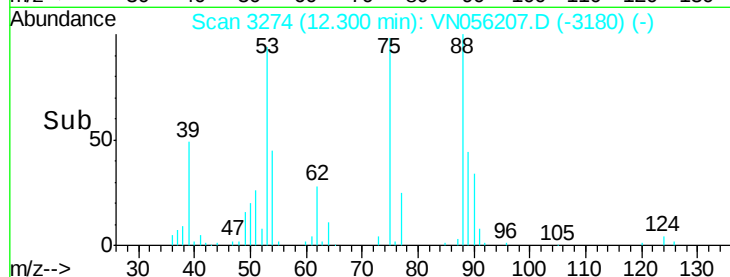
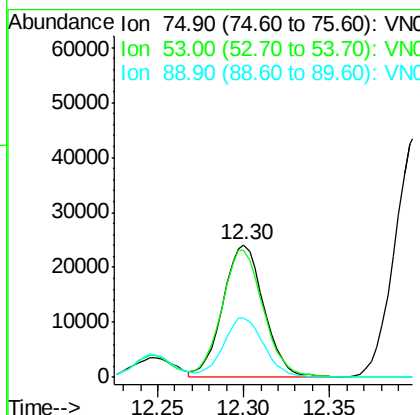
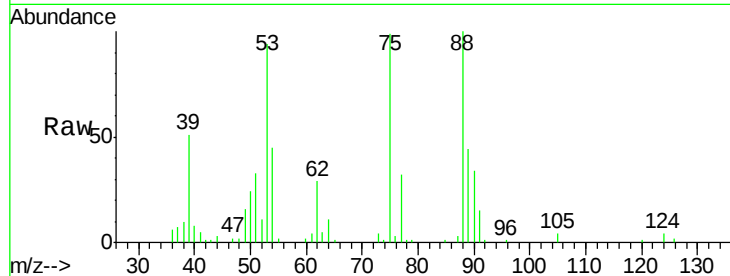
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	40155
Ion Ratio	Lower	Upper	
75	100		
53	97.6	68.1	102.1
89	44.4	36.9	55.3

Manual Integrations
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6/11/2019 11:58:45 AM



#82

4-Chlorotoluene

Concen: 48.096 ug/l

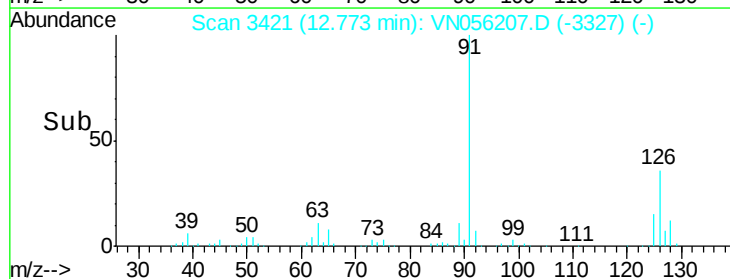
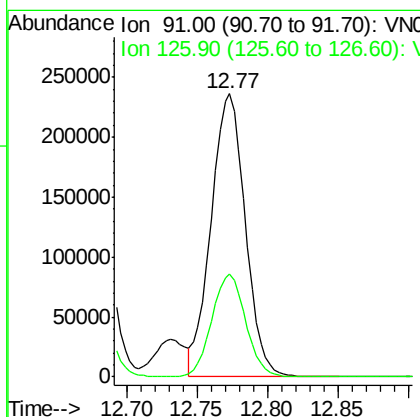
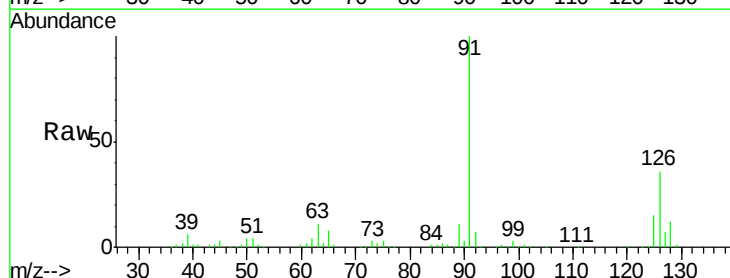
RT: 12.77 min Scan# 3421

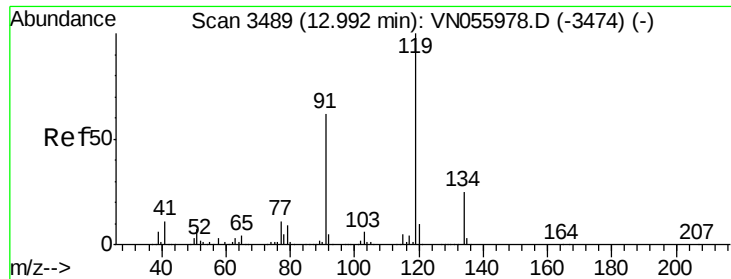
Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	91	Resp:	398199
Ion Ratio	Lower	Upper	
91	100		
126	36.0	17.8	53.3





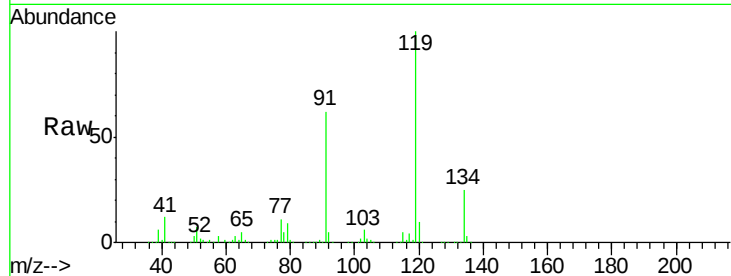
#83
tert-Butylbenzene
Concen: 53.150 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

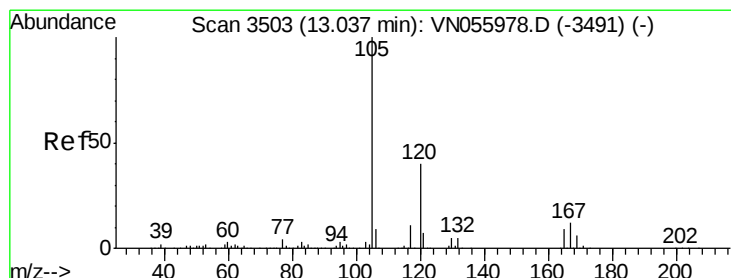
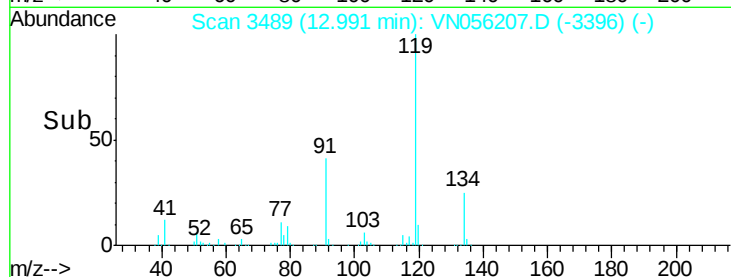
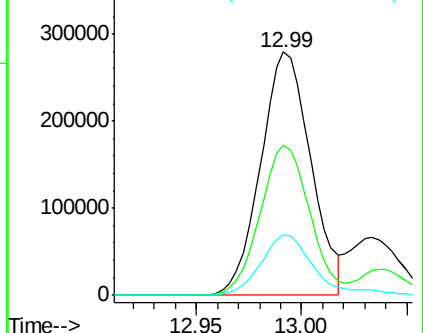
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.9	92.8
134	26.4	13.3	39.8

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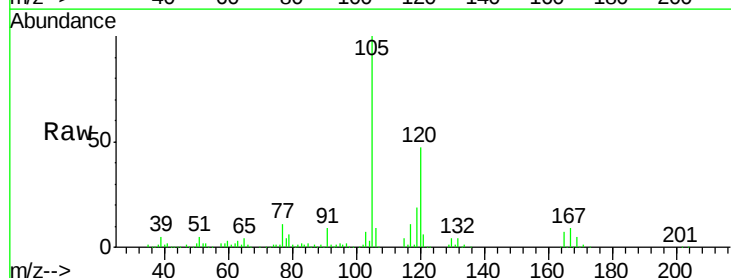


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

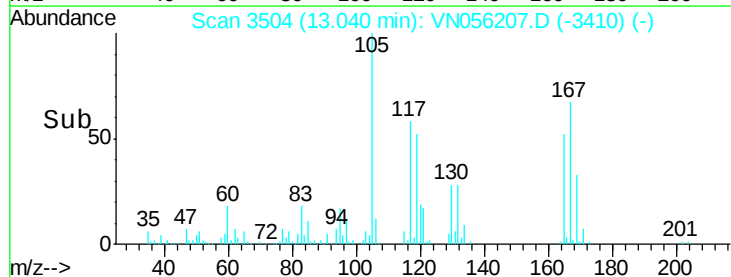
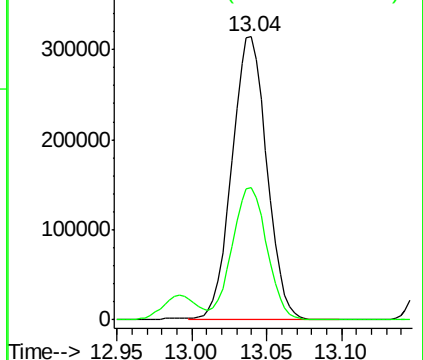


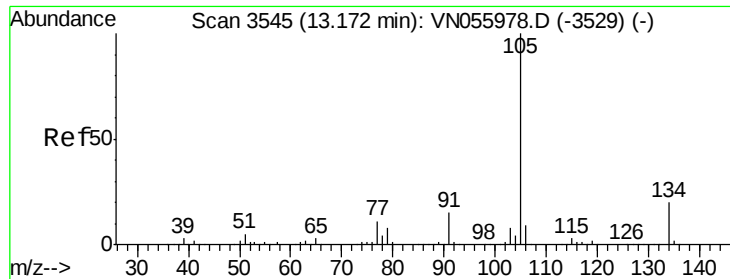
#84
1,2,4-Trimethylbenzene
Concen: 47.864 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





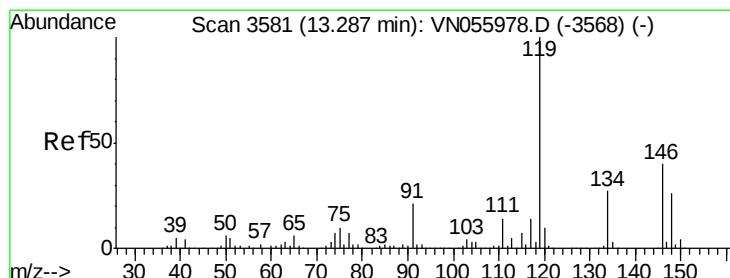
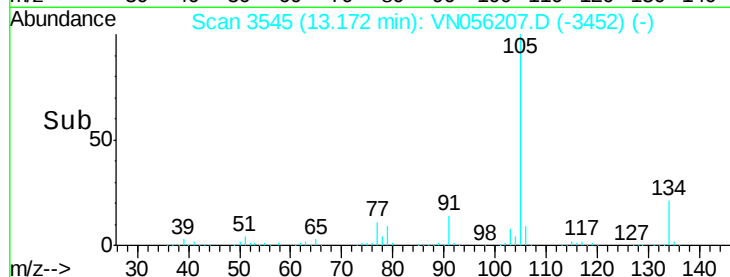
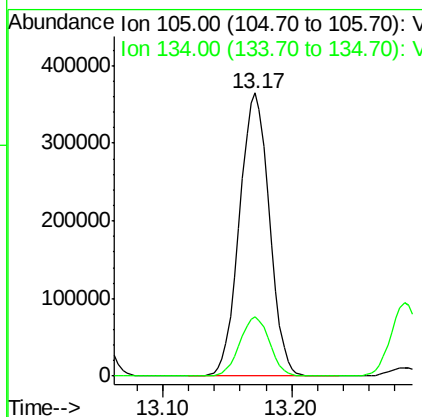
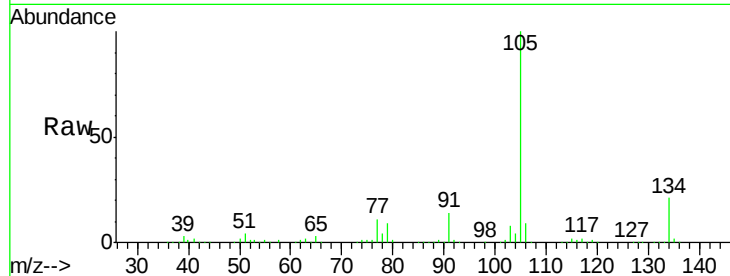
#85
 sec-Butylbenzene
 Concen: 47.001 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 589047
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2

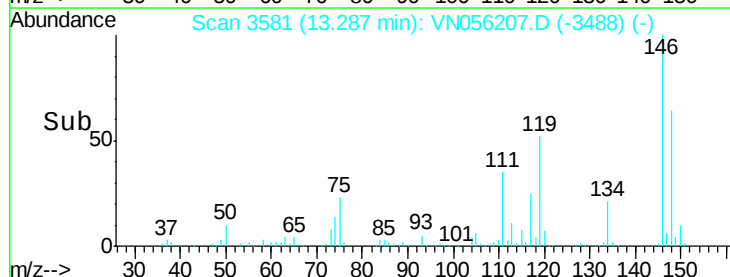
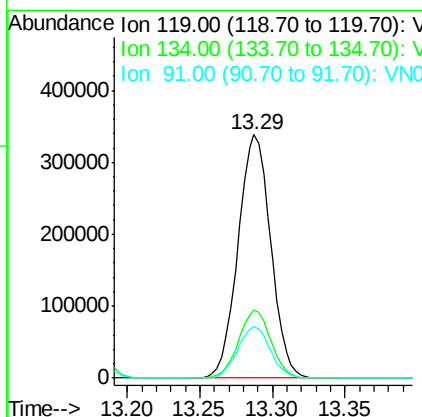
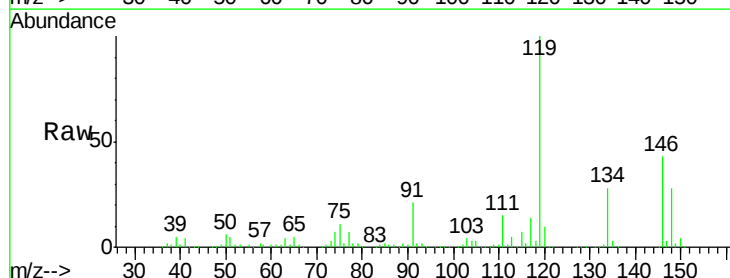
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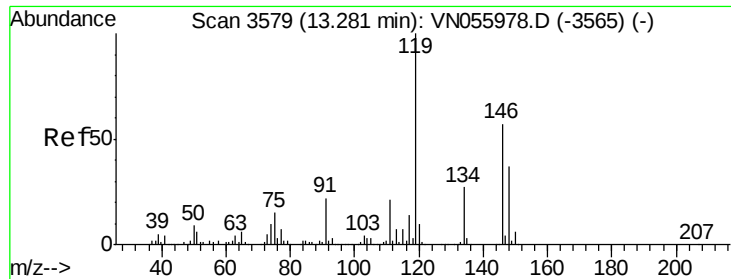
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#86
 p-Isopropyltoluene
 Concen: 47.133 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion:119 Resp: 528649
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.1
 91 21.0 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 50.207 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

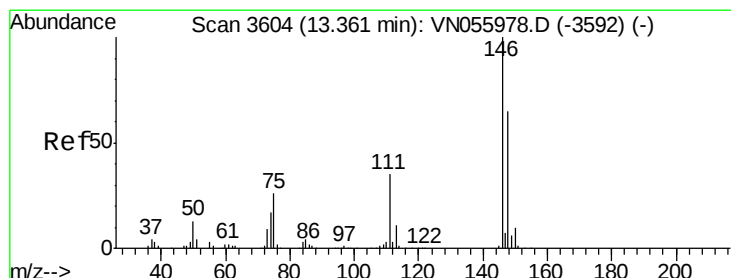
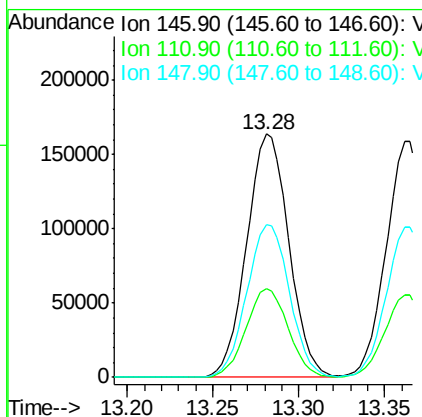
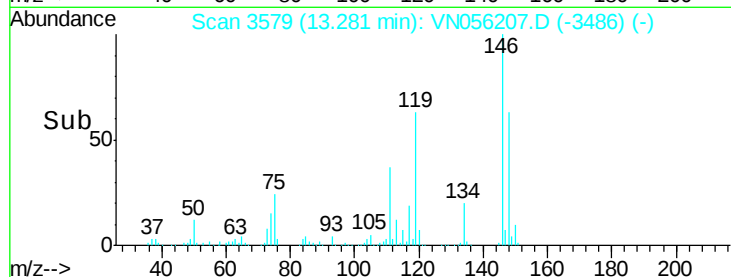
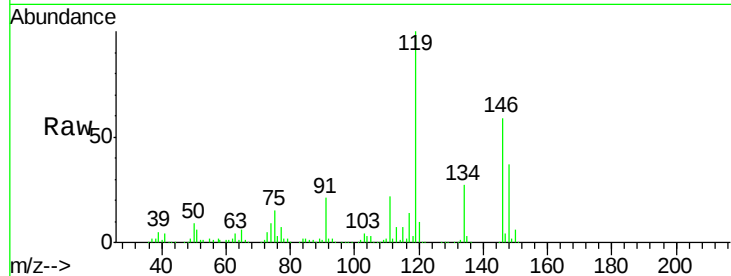
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	278296
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.5	55.5
148	63.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 49.855 ug/l

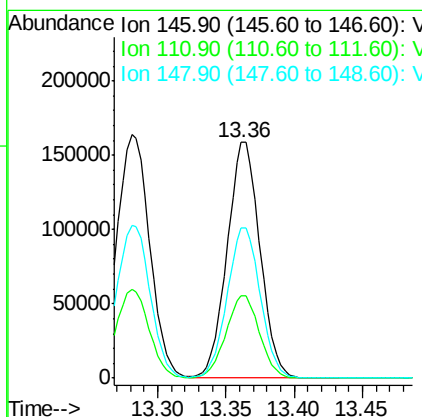
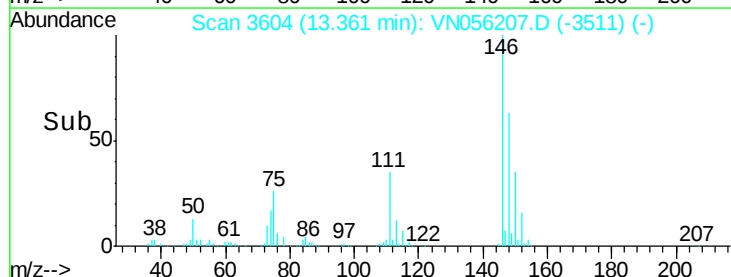
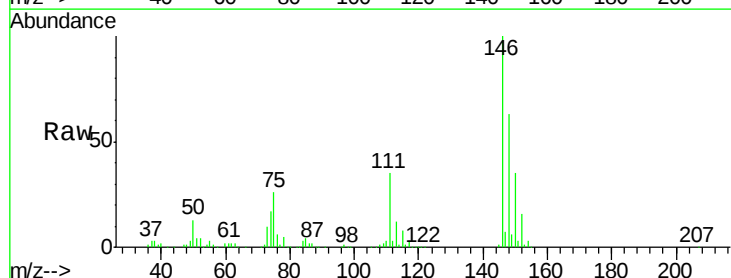
RT: 13.36 min Scan# 3604

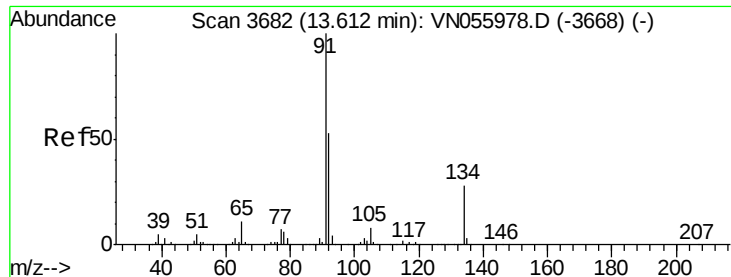
Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	146	Resp:	265833
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.1	54.4
148	64.2	32.1	96.5





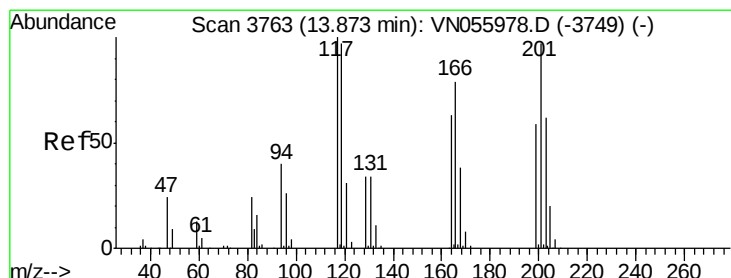
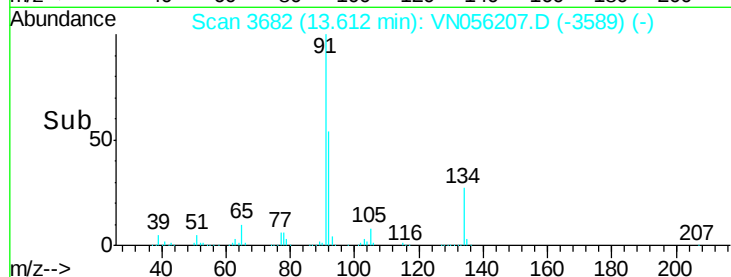
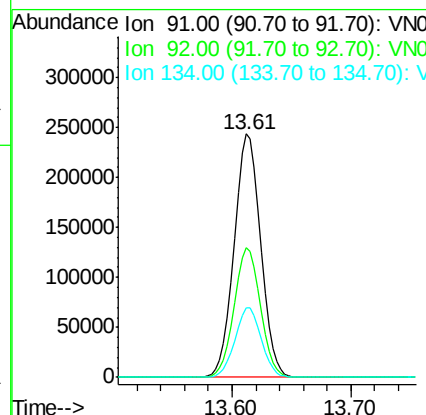
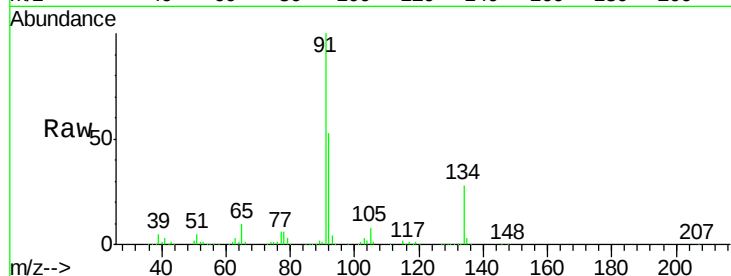
#89
n-Butylbenzene
Concen: 45.278 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	28.3	13.9	41.7

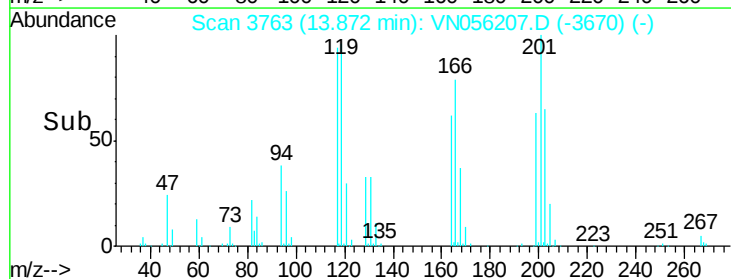
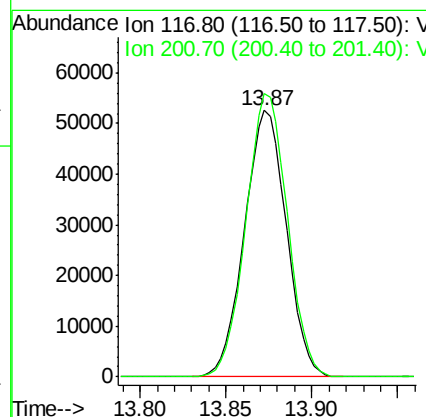
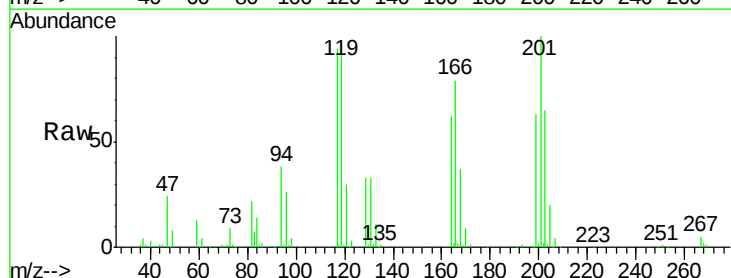
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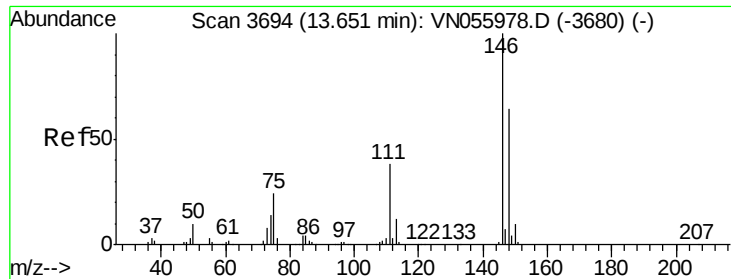
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#90
Hexachloroethane
Concen: 52.503 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056207.D
Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.2	50.0	150.0





#91

1,2-Dichlorobenzene

Concen: 50.431 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

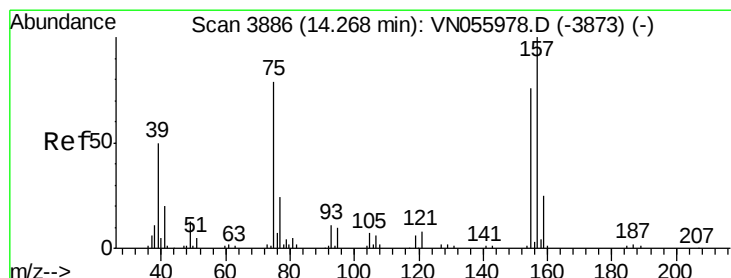
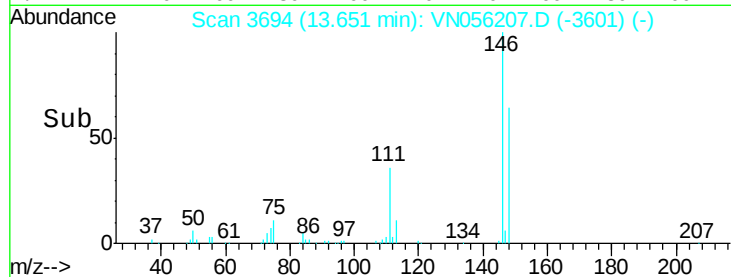
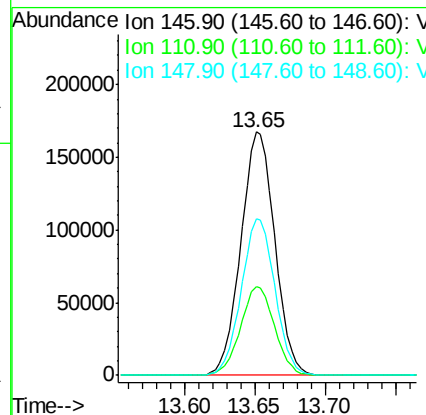
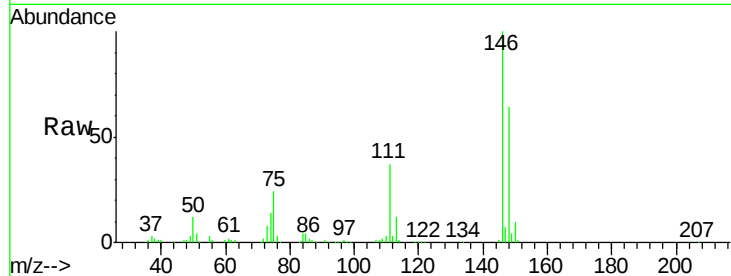
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	282222
Ion Ratio	Lower	Upper	
146	100		
111	36.6	19.1	57.5
148	63.7	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 58.114 ug/l

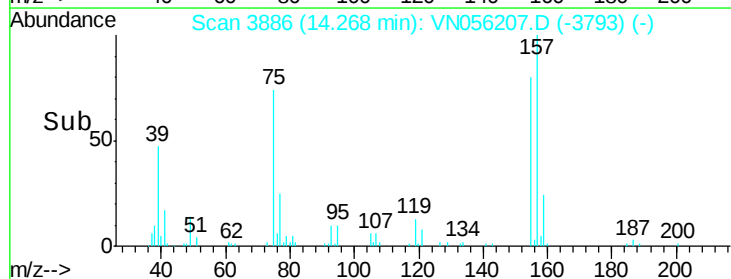
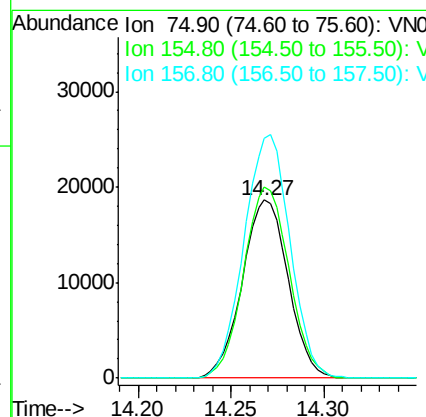
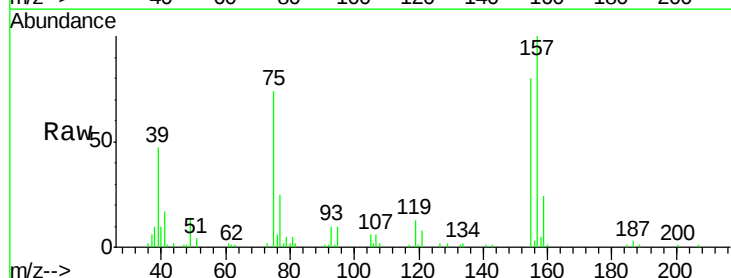
RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	75	Resp:	32278
Ion Ratio	Lower	Upper	
75	100		
155	105.9	50.0	150.1
157	136.8	64.8	194.3





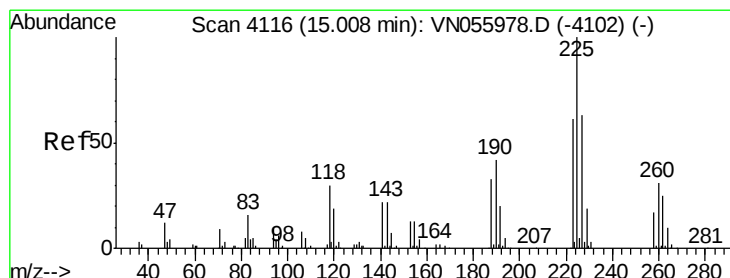
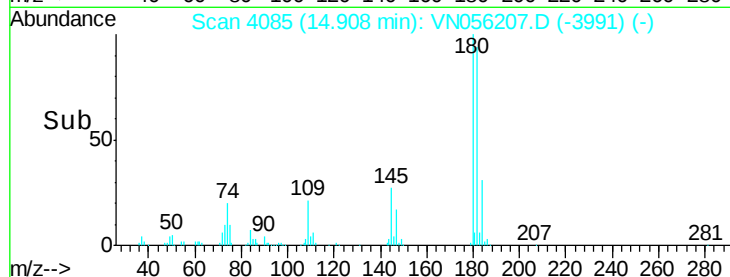
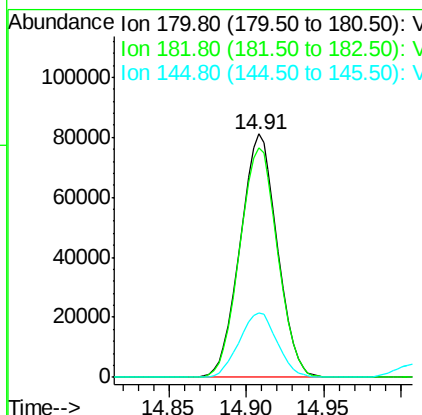
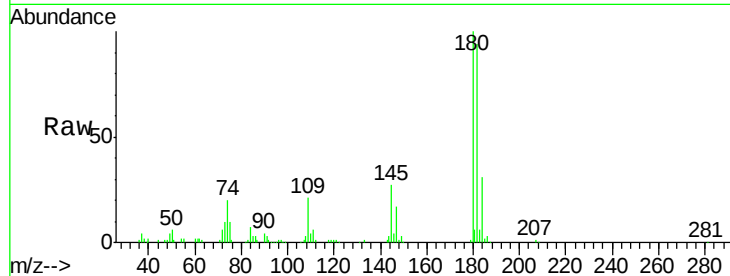
#93
 1,2,4-Trichlorobenzene
 Concen: 44.339 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135105		
182	96.3	48.3	144.9	
145	27.1	14.0	41.9	

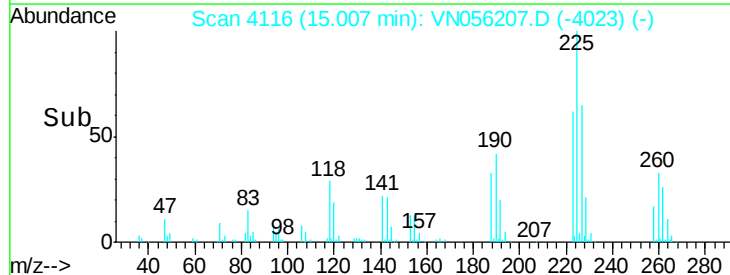
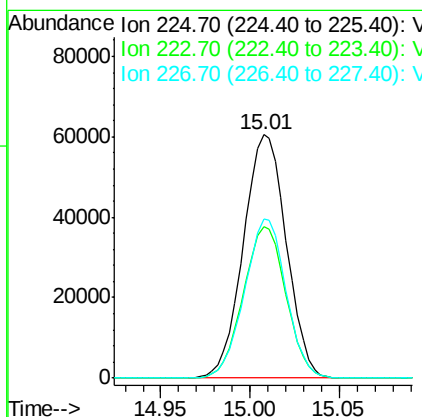
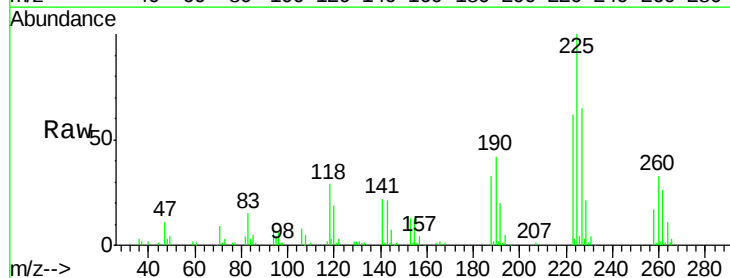
Manual Integrations
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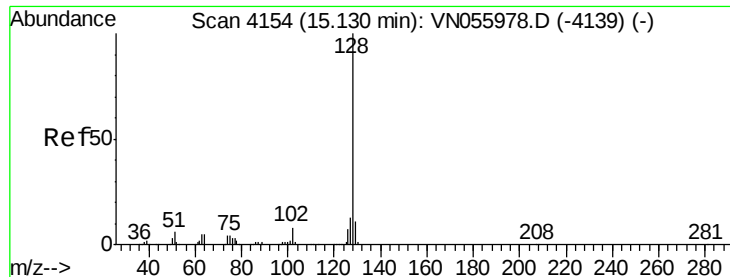
MMDadoda
 6/11/2019 11:58:45 AM



#94
 Hexachlorobutadiene
 Concen: 53.105 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056207.D
 Acq: 11 Jun 2019 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101681		
223	61.8	30.9	92.7	
227	63.3	31.6	94.7	





#95

Naphthalene

Concen: 45.511 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Instrument :

MSVOA_N

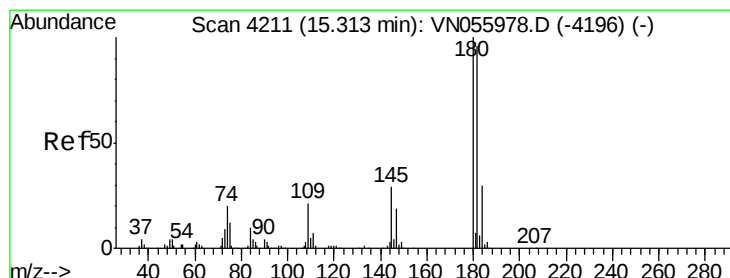
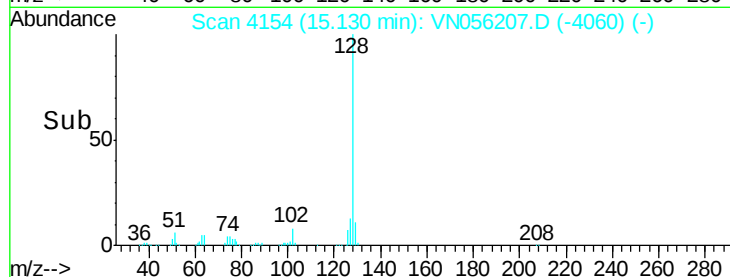
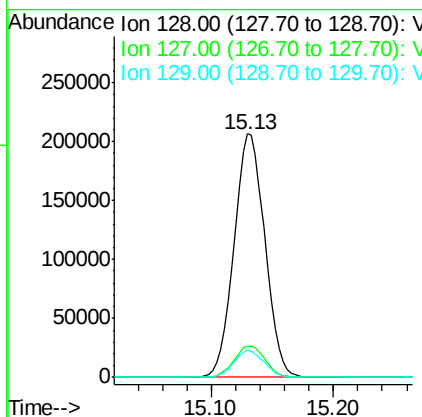
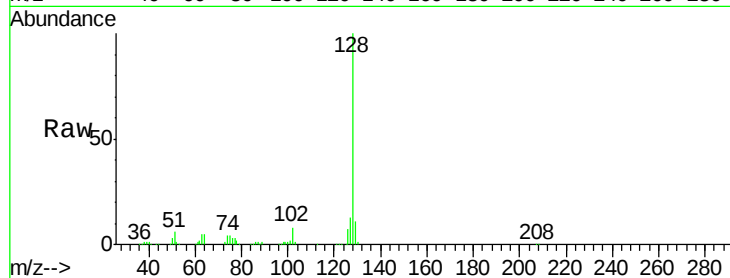
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	361134
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:58:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.232 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056207.D

Acq: 11 Jun 2019 8:06

Tgt Ion:	180	Resp:	151226
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	28.7	14.9	44.7

