

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055948.D
 Acq On : 1 Jun 2019 4:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:44 PM

Quant Time: Jun 03 09:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	294161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	409519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167196	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.59	113	147768	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.09	98	558439	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	192957	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	85288	43.080	ug/l	99
3) Chloromethane	2.06	50	127829	46.085	ug/l	99
4) Vinyl Chloride	2.18	62	137196	46.373	ug/l	100
5) Bromomethane	2.52	94	91790	49.592	ug/l	99
6) Chloroethane	2.68	64	90828	50.992	ug/l	100
7) Trichlorofluoromethane	3.00	101	187732	48.400	ug/l	99
8) Diethyl Ether	3.40	74	87077	50.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	115492	47.700	ug/l	100
10) Methyl Iodide	3.94	142	182732	51.621	ug/l	100
11) Tert butyl alcohol	4.82	59	138215	238.124	ug/l	98
12) 1,1-Dichloroethene	3.72	96	121113	48.411	ug/l	99
13) Acrolein	3.60	56	85872	206.614	ug/l	97
14) Allyl chloride	4.31	41	196677	45.859	ug/l	99
15) Acrylonitrile	4.99	53	363022	272.370	ug/l	100
16) Acetone	3.82	43	293162	219.535	ug/l	99
17) Carbon Disulfide	4.04	76	262008	36.862	ug/l	100
18) Methyl Acetate	4.33	43	160623	59.404	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	431963	51.771	ug/l	98
20) Methylene Chloride	4.54	84	147042	50.845	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	132050	49.131	ug/l	97
22) Diisopropyl ether	5.95	45	447127	53.603	ug/l	99
23) Vinyl Acetate	5.90	43	1792481	250.632	ug/l	100
24) 1,1-Dichloroethane	5.84	63	249775	51.429	ug/l	100
25) 2-Butanone	6.84	43	475114	254.758	ug/l	100
26) 2,2-Dichloropropane	6.82	77	122102	29.050	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	162049	51.679	ug/l	95
28) Bromochloromethane	7.19	49	123510	53.414	ug/l	100
29) Tetrahydrofuran	7.21	42	314472	266.270	ug/l	99
30) Chloroform	7.37	83	255224	52.695	ug/l	100
31) Cyclohexane	7.65	56	210850	46.242	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	210589	48.723	ug/l	100
36) 1,1-Dichloropropene	7.79	75	180584	45.264	ug/l	99
37) Ethyl Acetate	6.93	43	195672	50.745	ug/l	99
38) Carbon Tetrachloride	7.77	117	175715	42.283	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205619	41.620	ug/l	99
40) Benzene	8.04	78	583950	48.566	ug/l	100
41) Methacrylonitrile	7.17	41	94991	48.762	ug/l	98
42) 1,2-Dichloroethane	8.12	62	189374	48.199	ug/l	99
43) Isopropyl Acetate	8.17	43	312239	48.195	ug/l	99
44) Trichloroethene	8.83	130	161758	48.256	ug/l	99
45) 1,2-Dichloropropane	9.12	63	155670	49.691	ug/l	99
46) Dibromomethane	9.21	93	101856	49.577	ug/l	98
47) Bromodichloromethane	9.40	83	193528	45.938	ug/l	98
48) Methyl methacrylate	9.20	41	151517	50.745	ug/l	98
49) 1,4-Dioxane	9.20	88	62453	1006.515	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	972722	254.219	ug/l	100
52) Toluene	10.16	92	371172	49.083	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191976	42.691	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	218476	43.856	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	152385	50.300	ug/l	99
56) Ethyl methacrylate	10.43	69	233731	49.921	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249162	50.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437106	244.293	ug/l	100
59) 2-Hexanone	10.75	43	660333	243.269	ug/l	99
60) Dibromochloromethane	10.90	129	161790	45.843	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157431	50.100	ug/l	98
64) Tetrachloroethene	10.63	164	171042	49.521	ug/l	99
65) Chlorobenzene	11.43	112	397375	48.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148197	45.324	ug/l	99
67) Ethyl Benzene	11.51	91	701947	47.746	ug/l	99
68) m/p-Xylenes	11.62	106	535235	96.302	ug/l	99
69) o-Xylene	11.95	106	265695	48.184	ug/l	100
70) Styrene	11.96	104	438513	49.107	ug/l	100
71) Bromoform	12.13	173	111416	39.949	ug/l #	99
73) Isopropylbenzene	12.25	105	697530	54.591	ug/l	100
74) N-amyl acetate	12.07	43	252096	51.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208491	55.190	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172465m	55.881	ug/l	
77) Bromobenzene	12.53	156	191384	49.706	ug/l	94
78) n-propylbenzene	12.59	91	736210	46.946	ug/l	100
79) 2-Chlorotoluene	12.67	91	450463	53.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	572550	53.158	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47585	35.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	434479	47.132	ug/l	100
83) tert-Butylbenzene	12.99	119	501427	53.932	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	567115	52.706	ug/l	99
85) sec-Butylbenzene	13.17	105	646375	53.375	ug/l	100
86) p-Isopropyltoluene	13.29	119	581855	46.435	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	293374	48.120	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279392	48.201	ug/l	100
89) n-Butylbenzene	13.61	91	445751	46.428	ug/l	100
90) Hexachloroethane	13.87	117	93865	39.356	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	290317	47.729	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34372	42.993	ug/l	99

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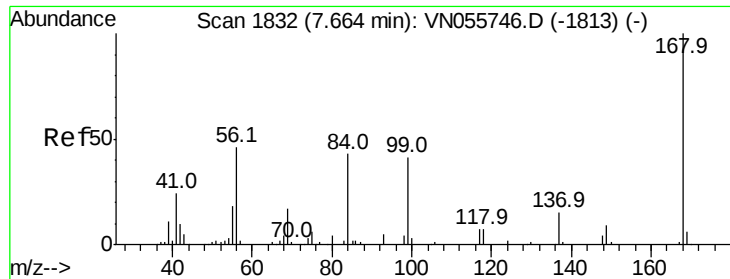
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146839	42.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	98122	45.680	ug/l	99
95) Naphthalene	15.13	128	438568	52.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	163071	50.717	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: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294161

Ion Ratio Lower Upper

168 100

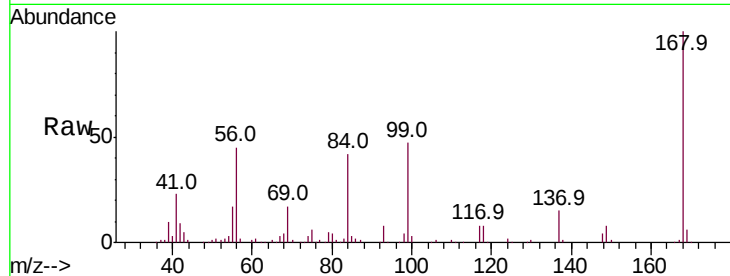
99 45.9 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

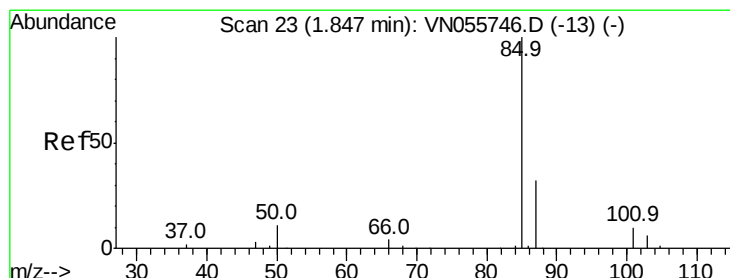
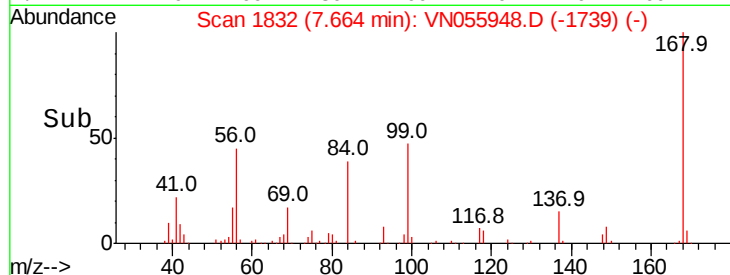
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.080 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055948.D

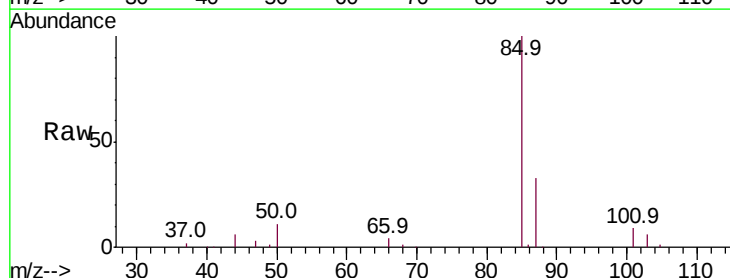
Acq: 1 Jun 2019 4:56

Tgt Ion: 85 Resp: 85288

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

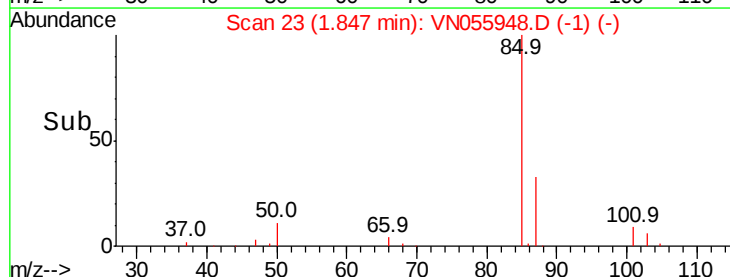
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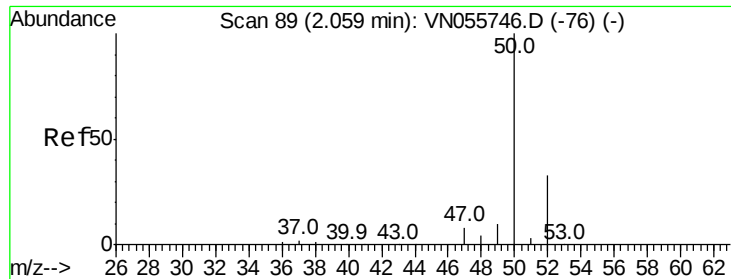
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Time-->





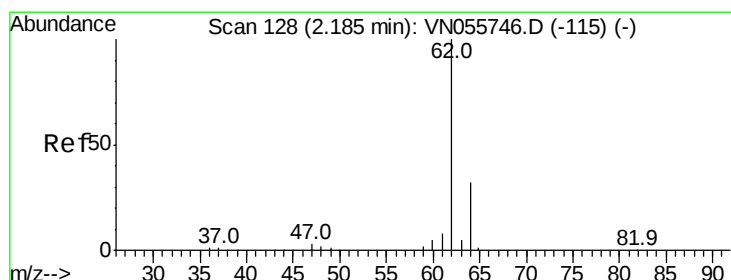
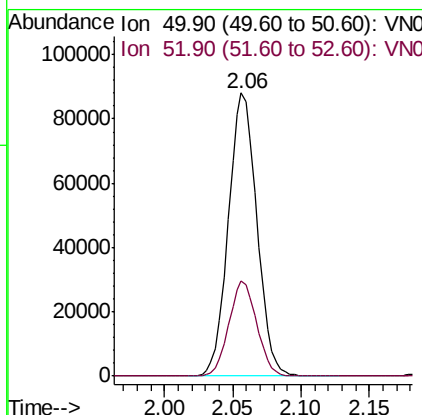
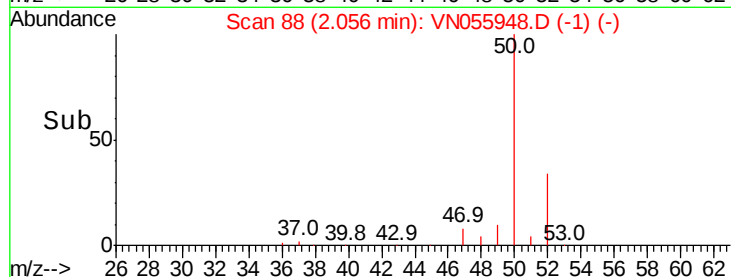
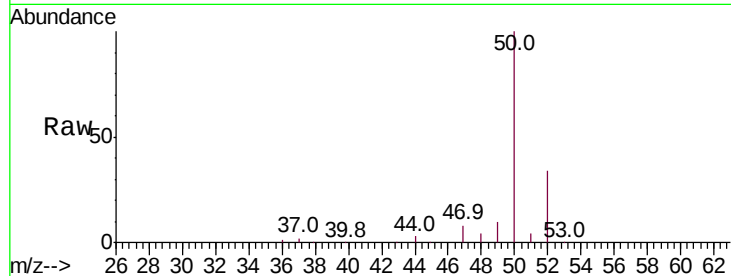
#3
Chloromethane
Concen: 46.085 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 127829
Ion Ratio Lower Upper
50 100
52 33.7 26.6 40.0

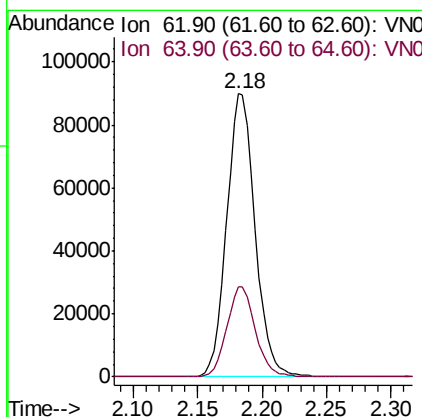
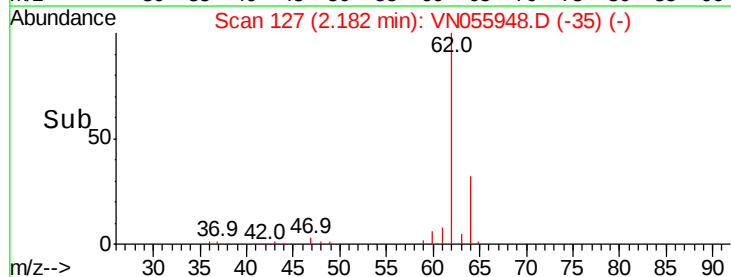
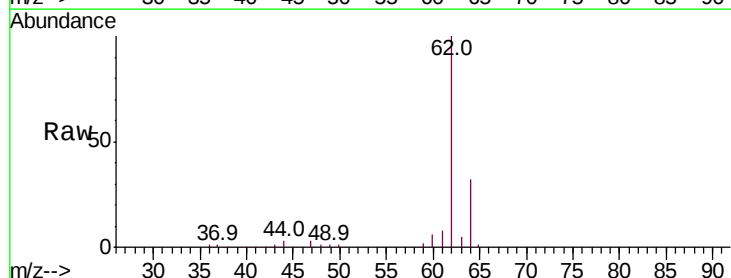
Manual Integrations
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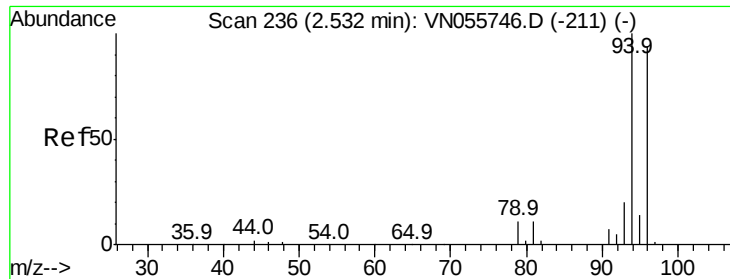
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#4
Vinyl Chloride
Concen: 46.373 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion: 62 Resp: 137196
Ion Ratio Lower Upper
62 100
64 31.8 25.6 38.4





#5

Bromomethane

Concen: 49.592 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91790

Ion Ratio Lower Upper

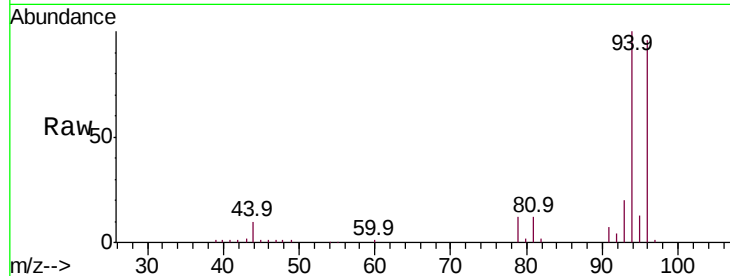
94 100

96 95.8 75.5 113.3

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

50000

40000

30000

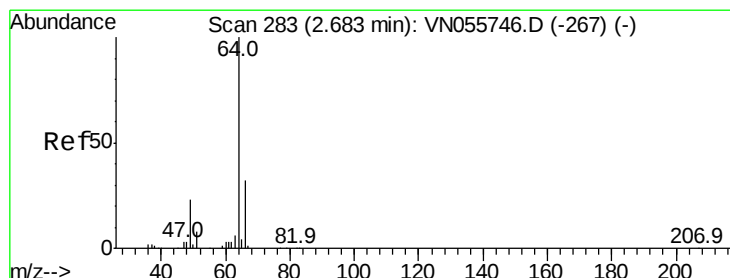
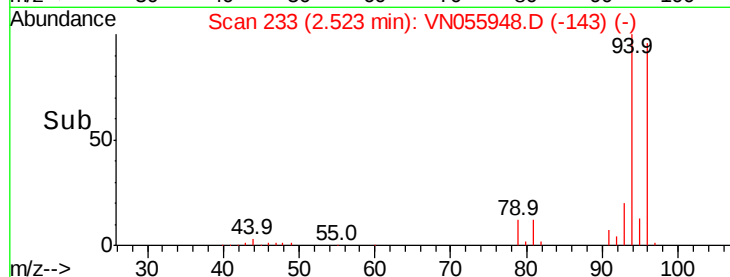
20000

10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 50.992 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN055948.D

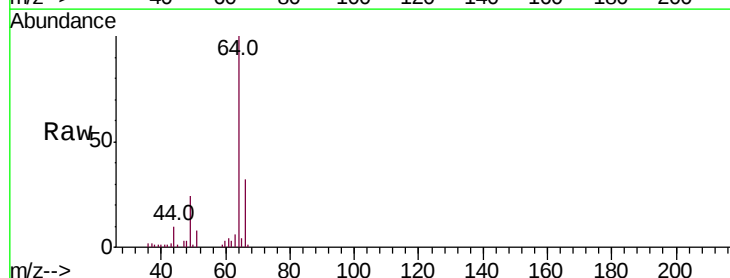
Acq: 1 Jun 2019 4:56

Tgt Ion: 64 Resp: 90828

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

30000

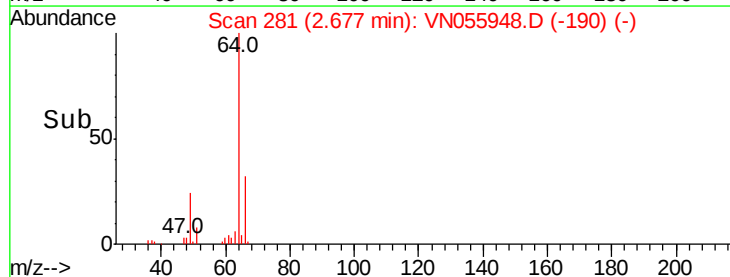
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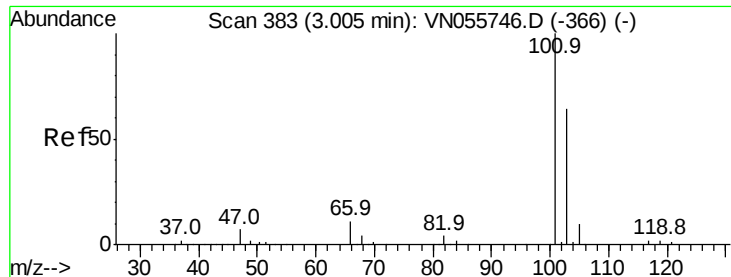
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Time-->

2.60 2.70 2.80





#7

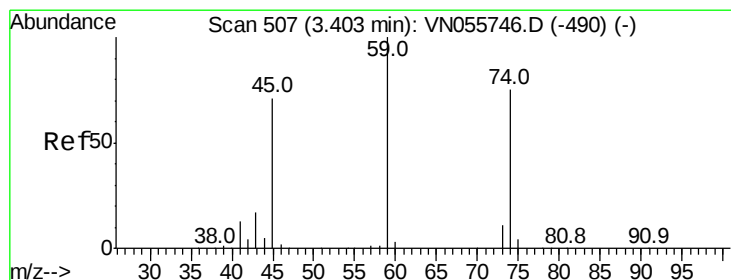
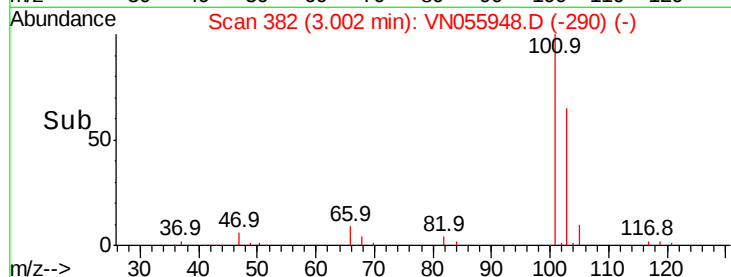
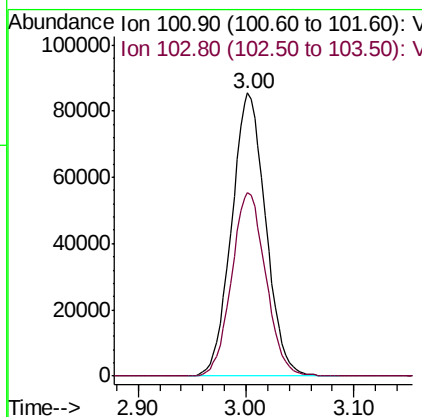
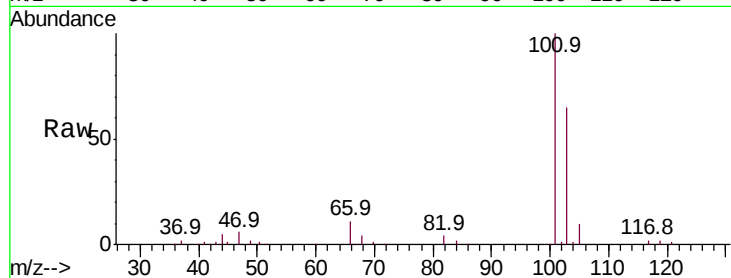
Trichlorofluoromethane
 Concen: 48.400 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

Manual Integrations
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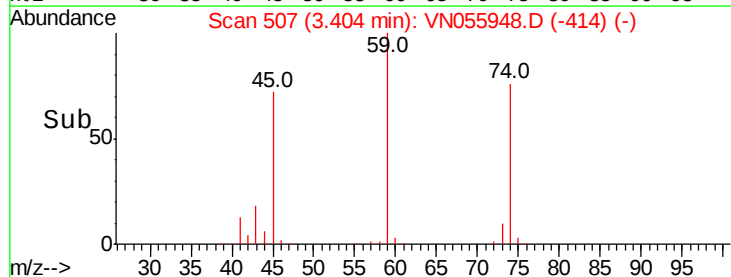
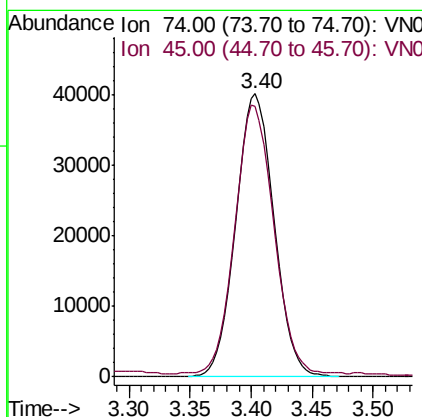
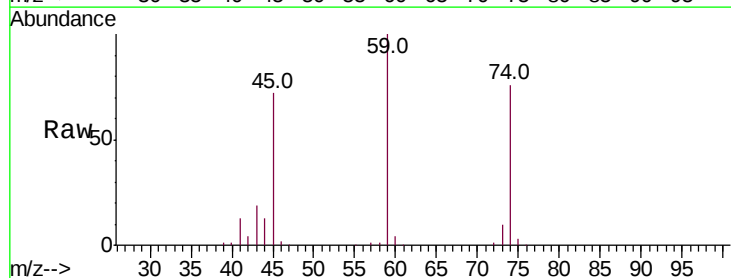
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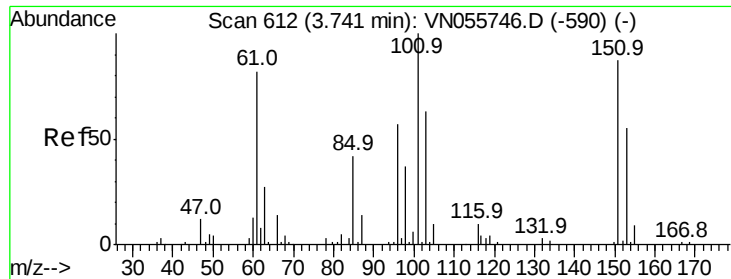


#8

Diethyl Ether
 Concen: 50.089 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.6	145.9





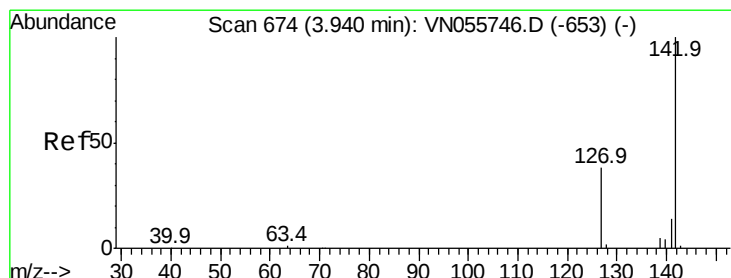
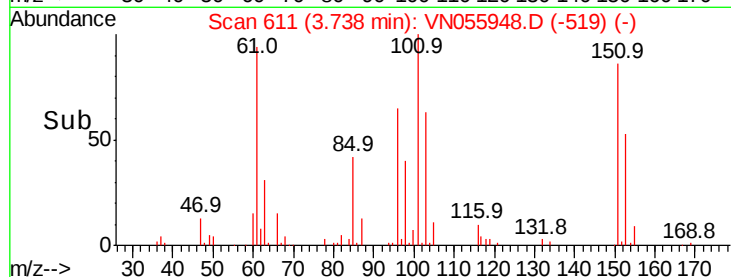
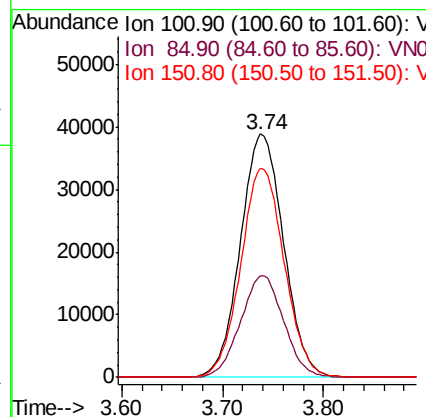
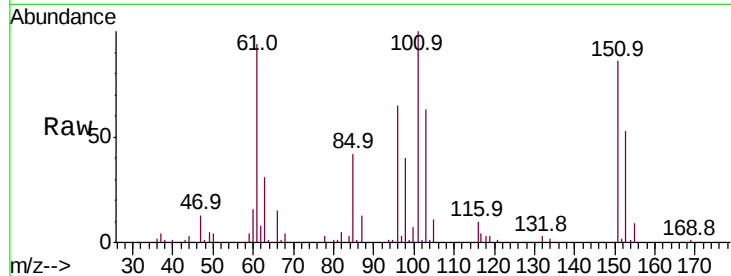
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.700 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	115492		
85	41.6	33.4	50.2	
151	86.4	69.4	104.2	

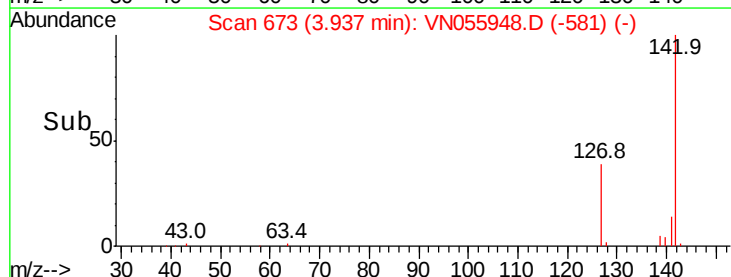
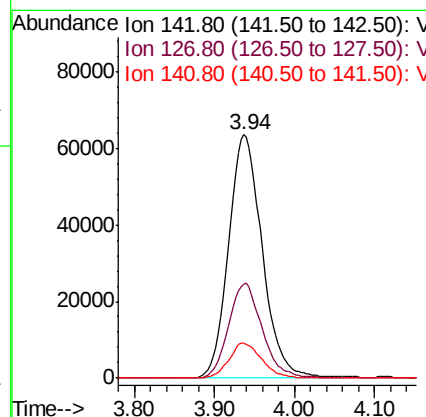
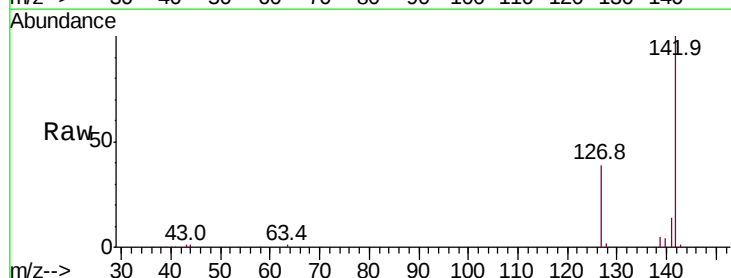
Manual Integrations
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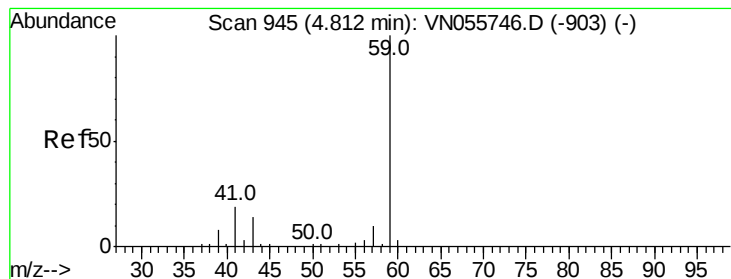
MMDadoda
 6/3/2019 4:12:44 PM



#10
 Methyl Iodide
 Concen: 51.621 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	182732		
127	38.8	31.0	46.4	
141	14.1	11.4	17.0	





#11

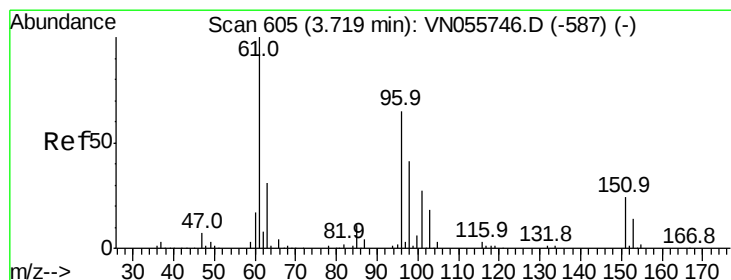
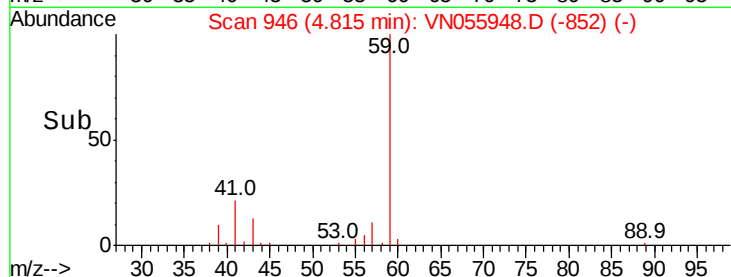
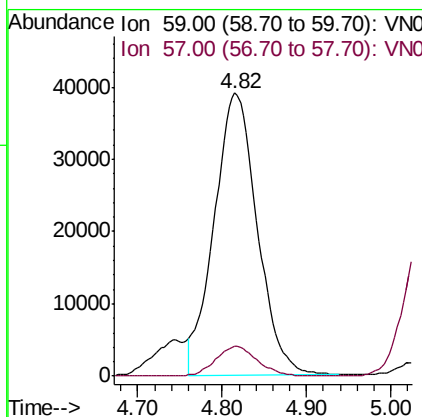
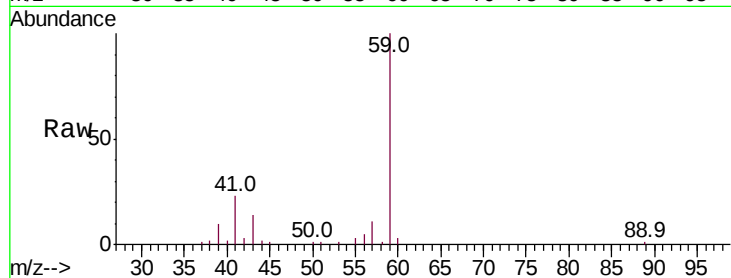
Tert butyl alcohol
Concen: 238.124 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Ratio	100	Resp	138215
Ion	59	100		Lower	Upper
	57	10.3		7.8	11.6

Manual Integrations
APPROVED

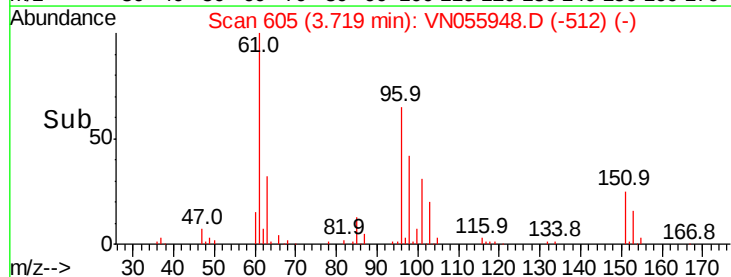
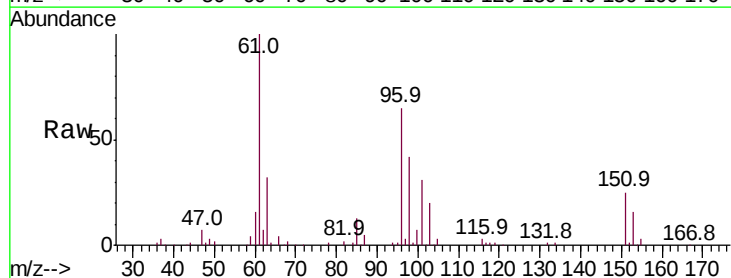
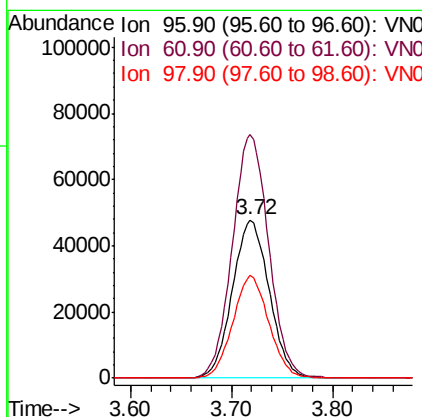
MMDadoda
6/3/2019 4:12:44 PM

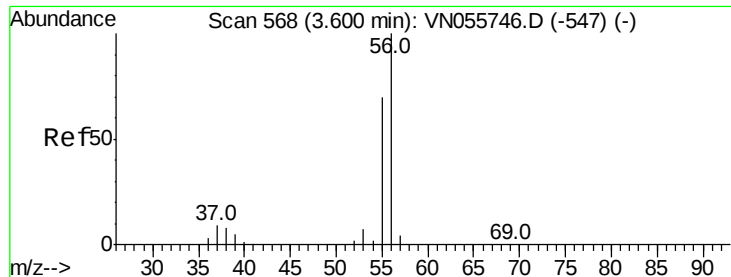


#12

1,1-Dichloroethene
Concen: 48.411 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	96	Ratio	100	Resp	121113
Ion	96	100		Lower	Upper
	61	154.2		123.2	184.8
	98	64.9		50.4	75.6





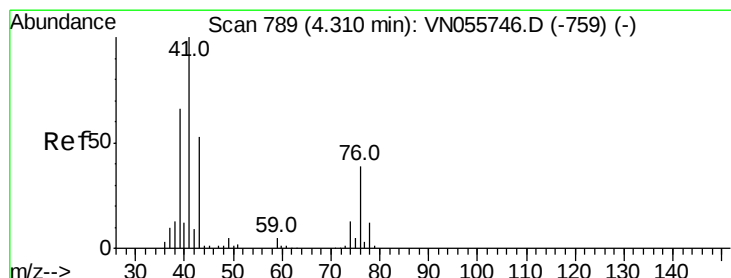
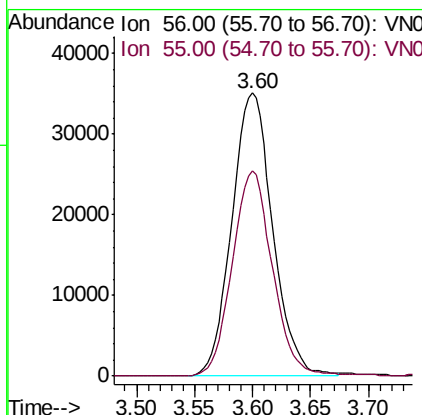
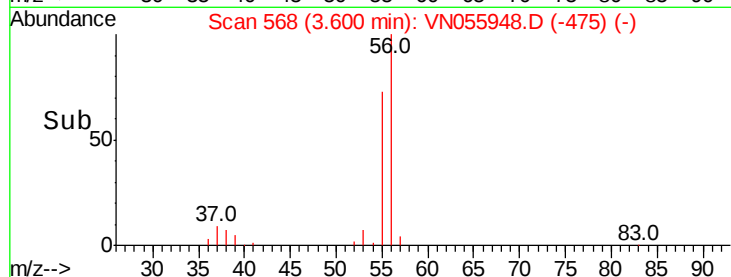
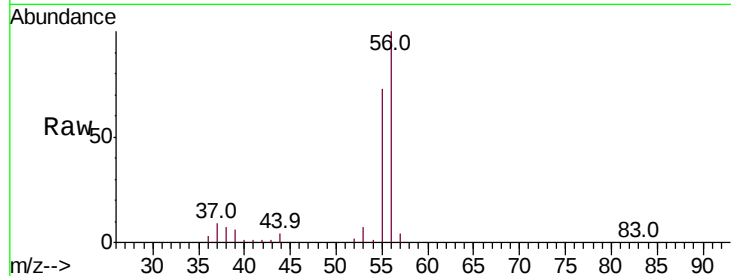
#13
Acrolein
Concen: 206.614 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	85872
Ion Ratio	Lower	Upper	
56	100		
55	71.5	55.4	83.2

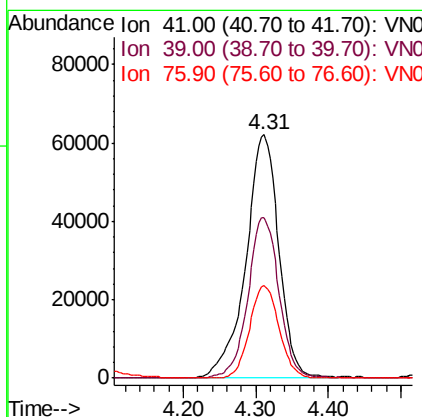
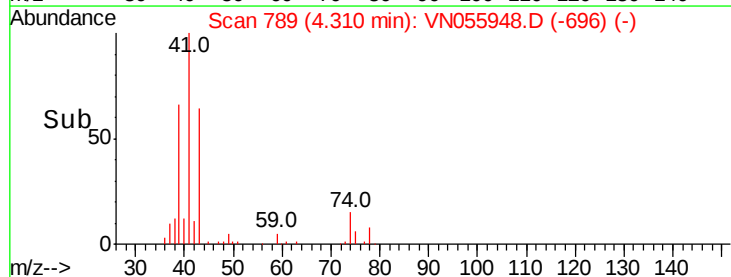
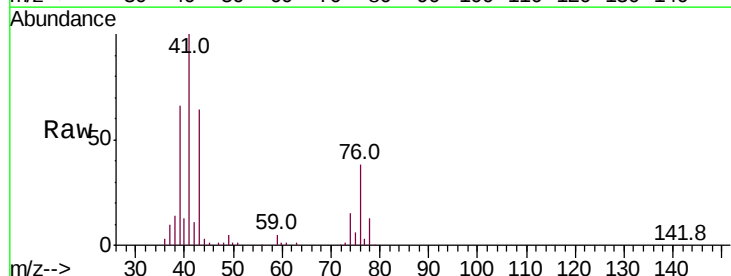
Manual Integrations
APPROVED

MMDadoda
6/3/2019 4:12:44 PM



#14
Allyl chloride
Concen: 45.859 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	41	Resp	196677
Ion Ratio	Lower	Upper	
41	100		
39	61.9	50.0	75.0
76	33.8	28.2	42.2





#15

Acrylonitrile

Concen: 272.370 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

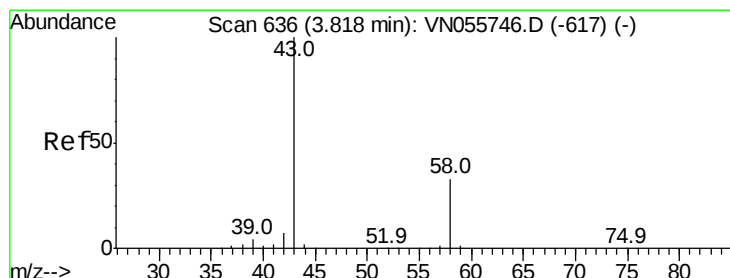
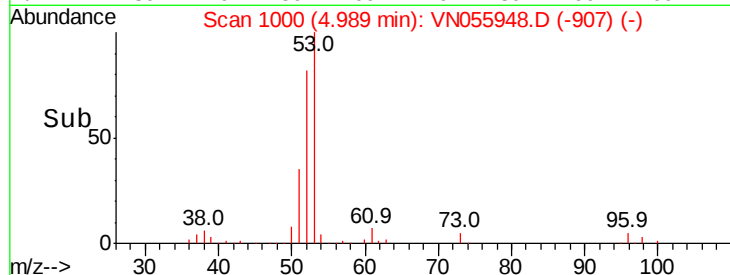
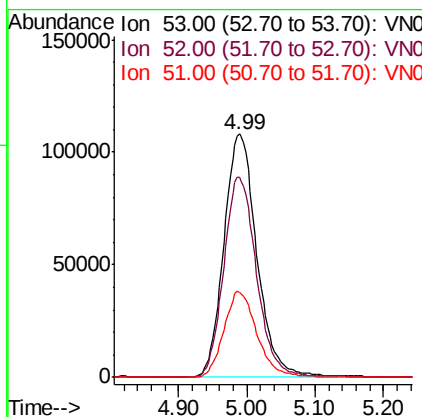
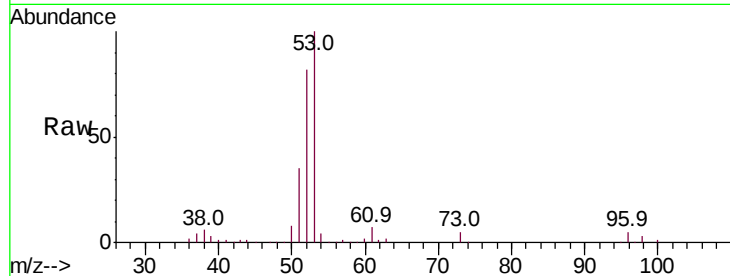
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	363022
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.6	28.2	42.4

Manual Integrations
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MMDadoda
6/3/2019 4:12:44 PM



#16

Acetone

Concen: 219.535 ug/l

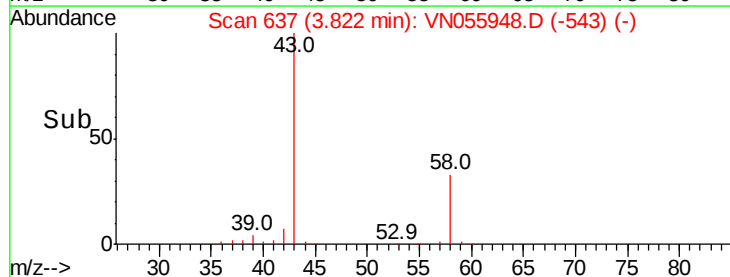
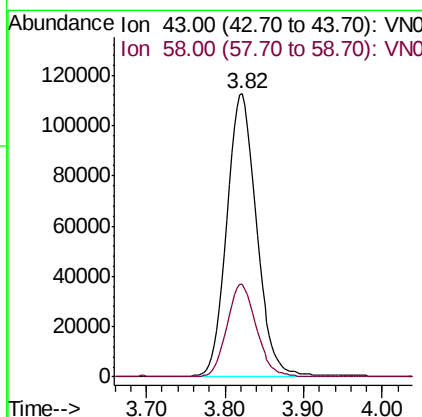
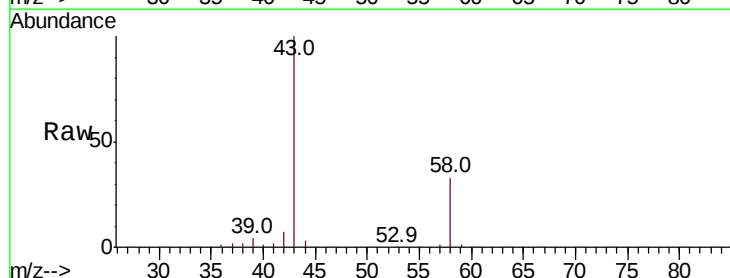
RT: 3.82 min Scan# 637

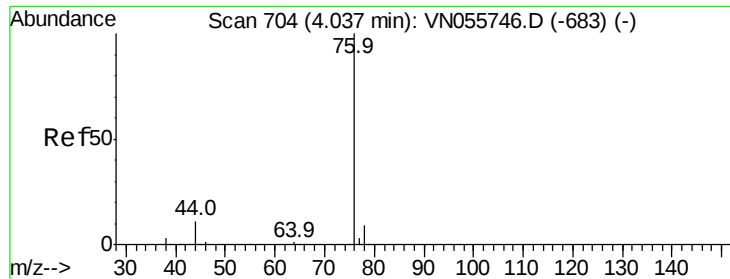
Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion:	43	Resp:	293162
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





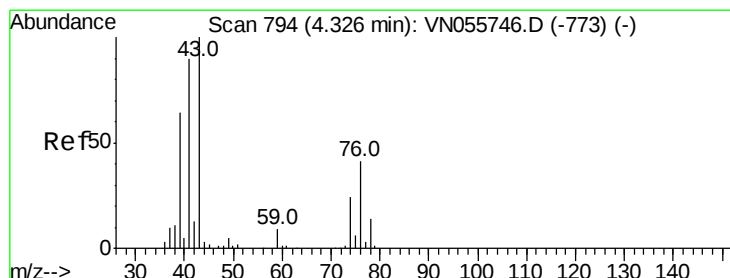
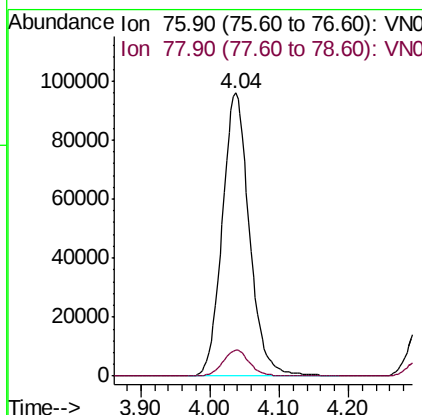
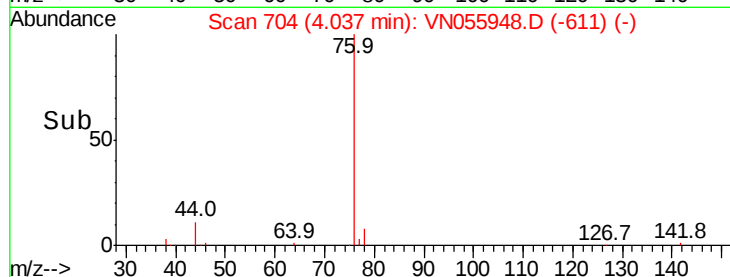
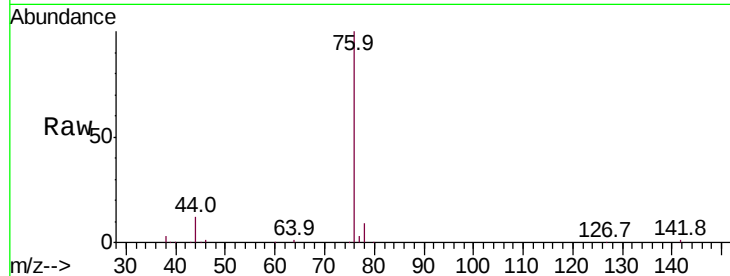
#17
Carbon Disulfide
Concen: 36.862 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

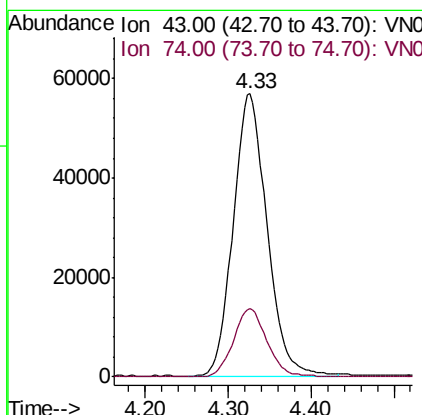
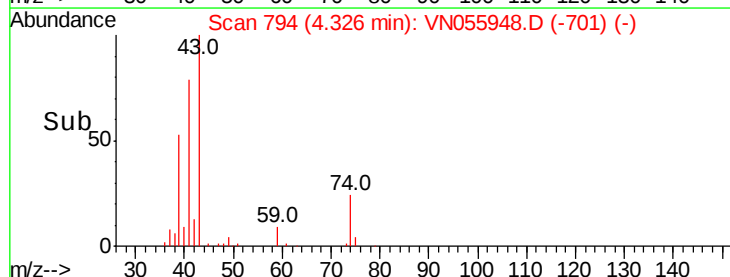
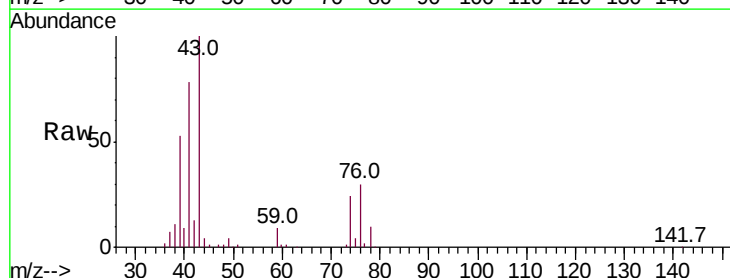
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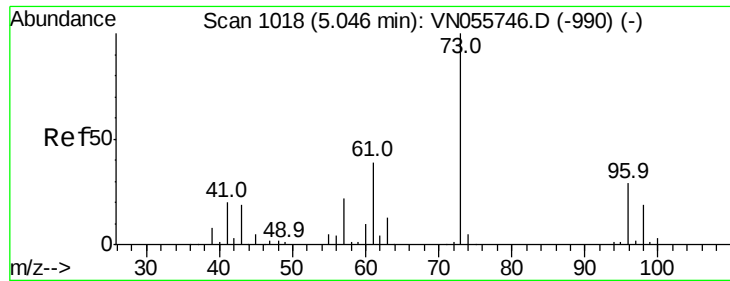
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6/3/2019 4:12:44 PM



#18
Methyl Acetate
Concen: 59.404 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





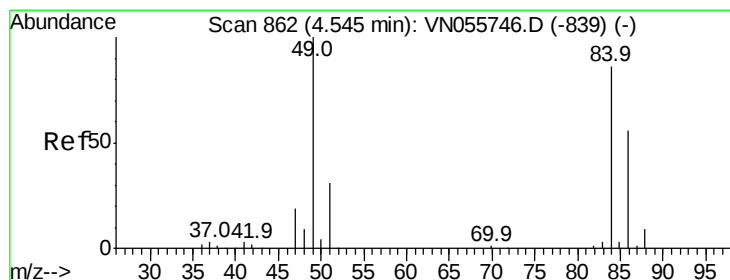
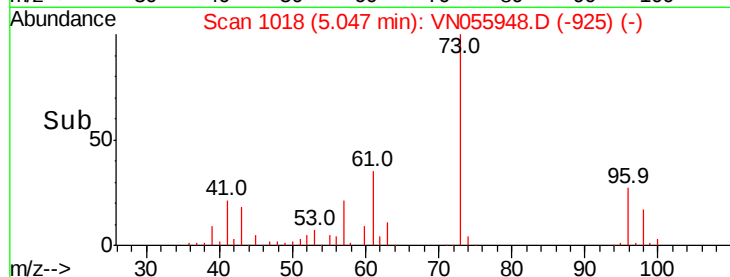
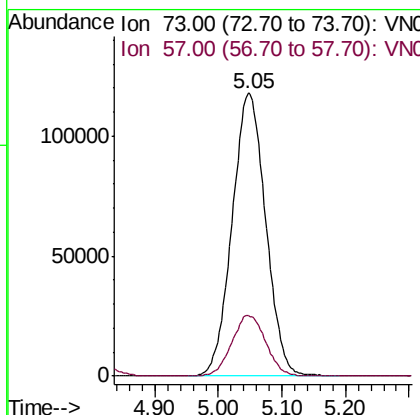
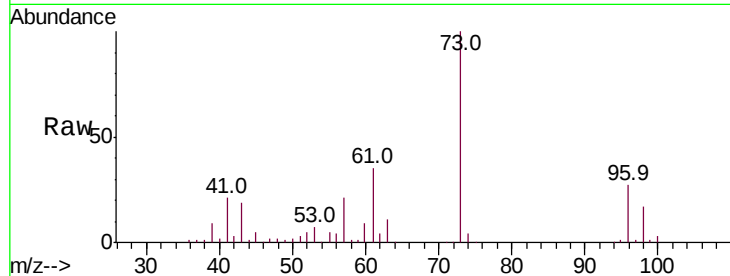
#19
Methyl tert-butyl Ether
Concen: 51.771 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 431963
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.8

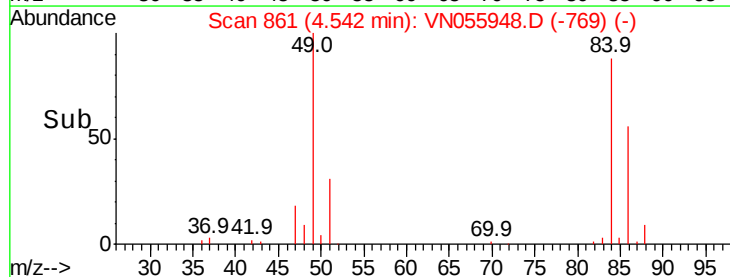
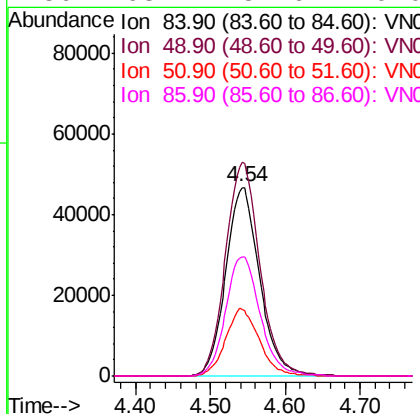
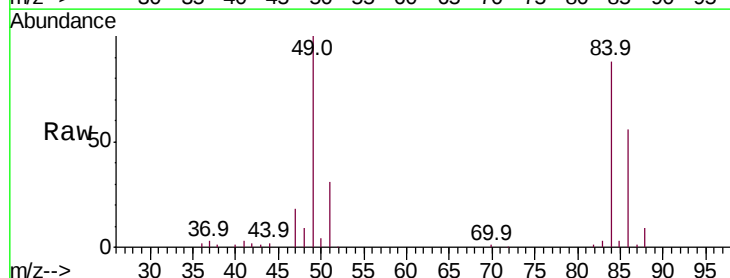
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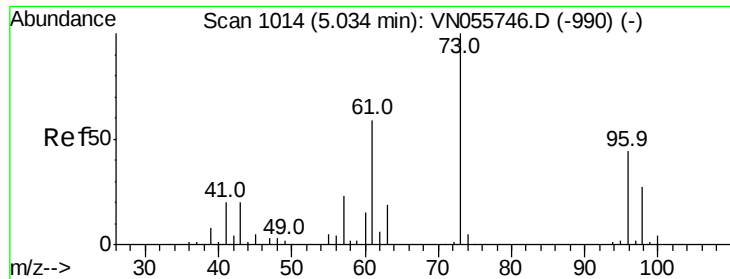
MMDadoda
6/3/2019 4:12:44 PM



#20
Methylene Chloride
Concen: 50.845 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion: 84 Resp: 147042
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 35.6 28.6 43.0
86 63.4 52.6 79.0





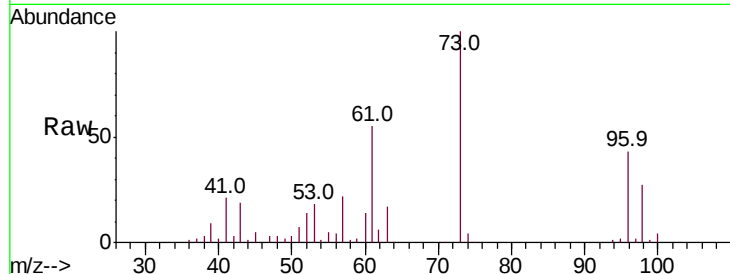
#21
trans-1,2-Dichloroethene
Concen: 49.131 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	107.8	161.8
98	63.0	49.8	74.8

Manual Integrations
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6/3/2019 4:12:44 PM

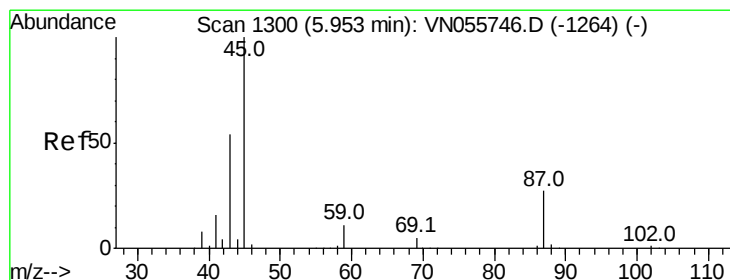
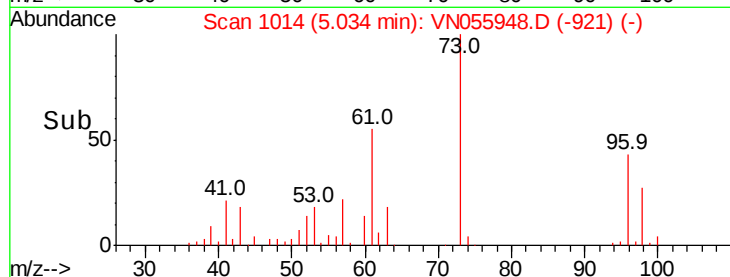
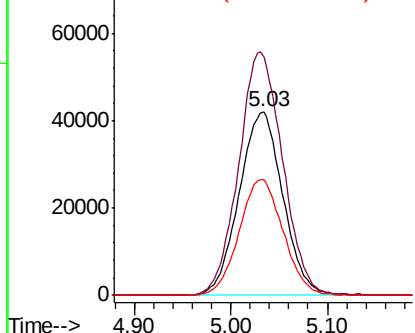


Abundance

Ion 95.90 (95.60 to 96.60): VN055948.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055948.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055948.D (-1207) (-)



#22
Diisopropyl ether
Concen: 53.603 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.0	67.6
87	28.2	22.2	33.4
59	11.8	9.1	13.7

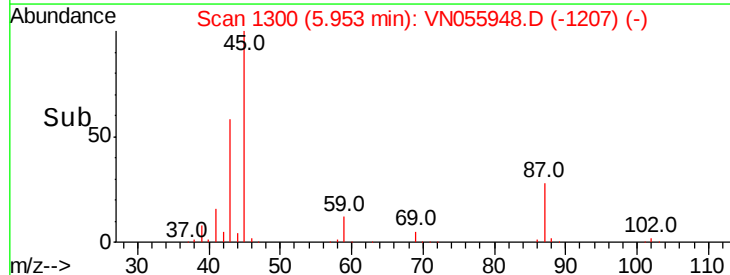
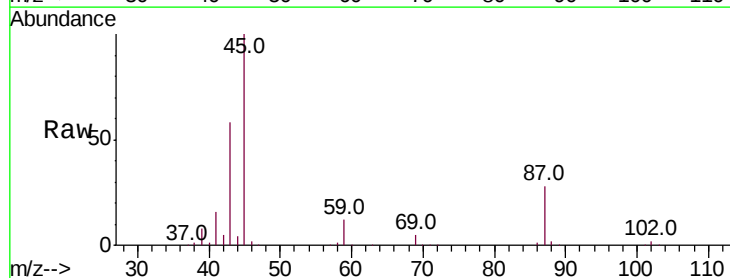
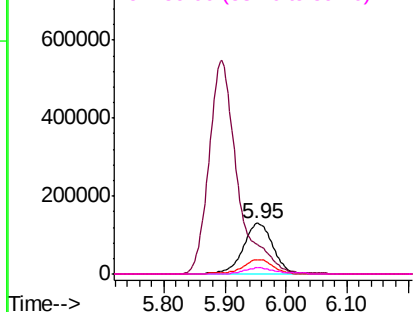
Abundance

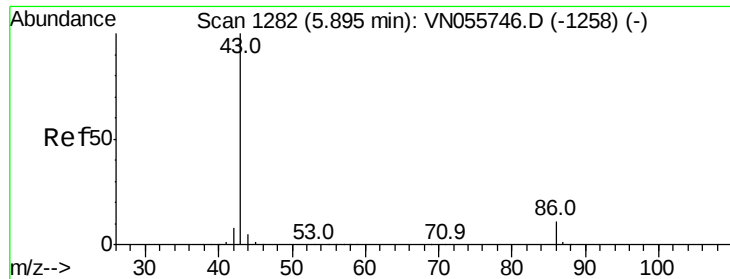
Ion 45.00 (44.70 to 45.70): VN055948.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055948.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055948.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055948.D (-1207) (-)





#23

Vinyl Acetate

Concen: 250.632 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

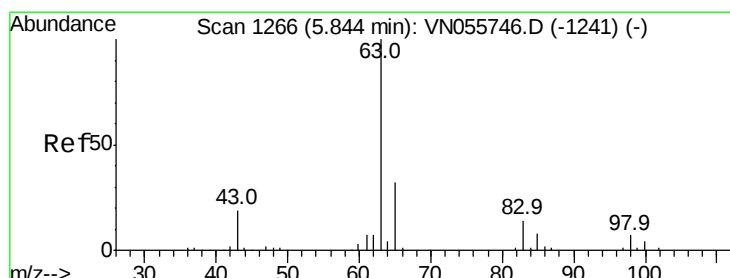
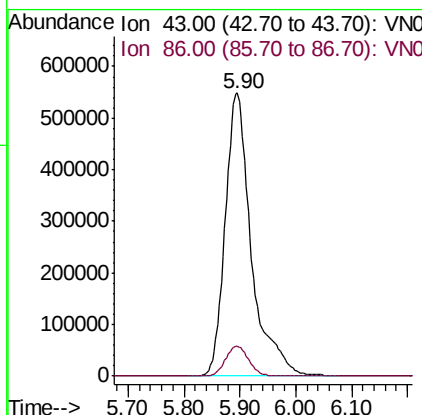
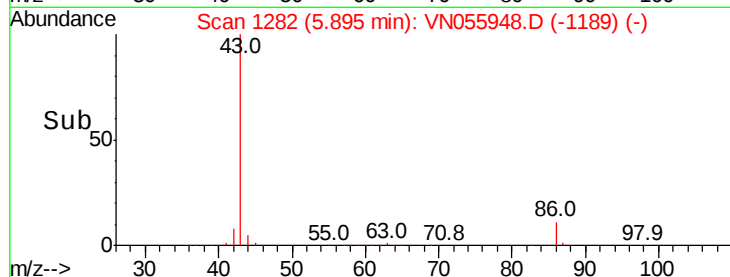
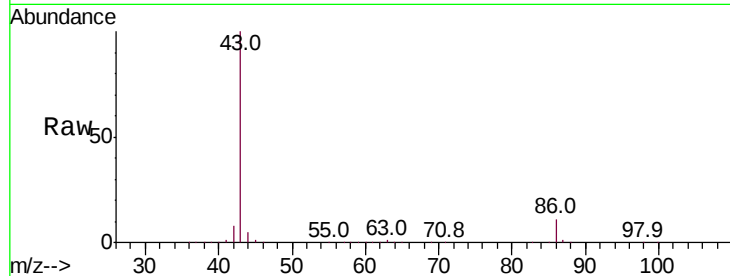
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1792481

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 51.429 ug/l

RT: 5.84 min Scan# 1265

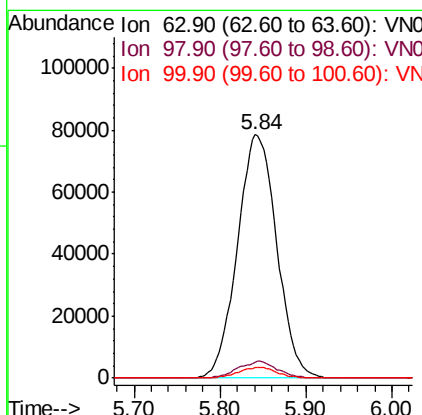
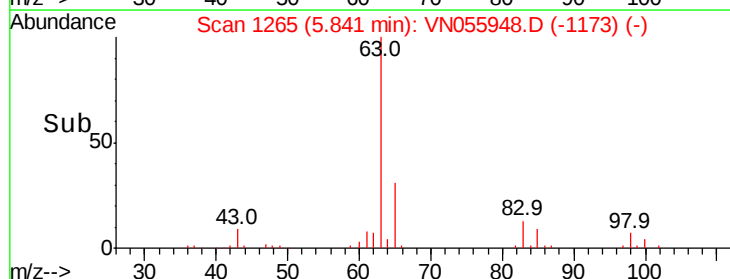
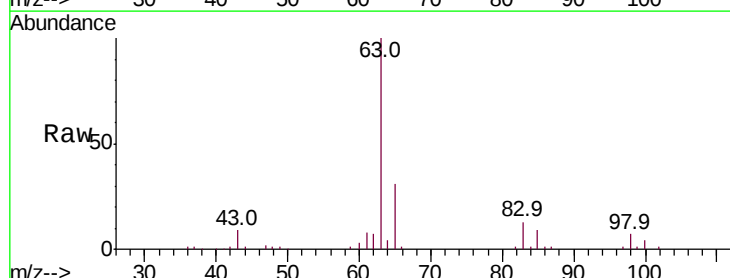
Delta R.T. -0.00 min

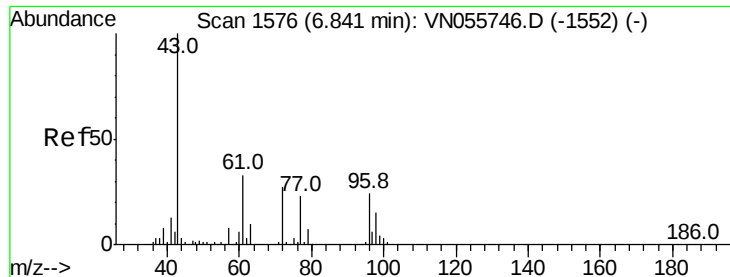
Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion: 63 Resp: 249775

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 254.758 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tot Ion: 43 Resp: 475114

Ion Ratio Lower Upper

43 100

72 27.6 21.9 32.9

Instrument :

MSVOA_N

ClientSampleId :

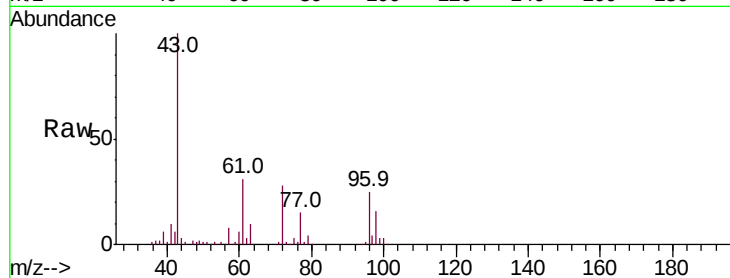
VSTDCCC050EC

Manual Integrations

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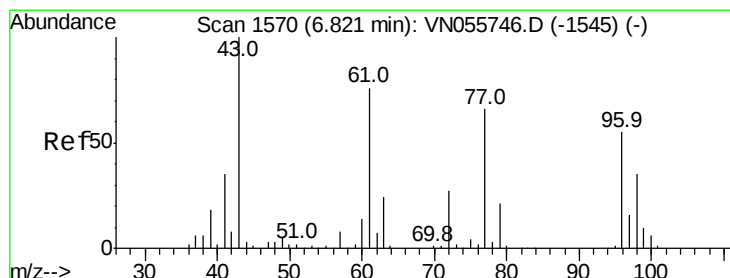
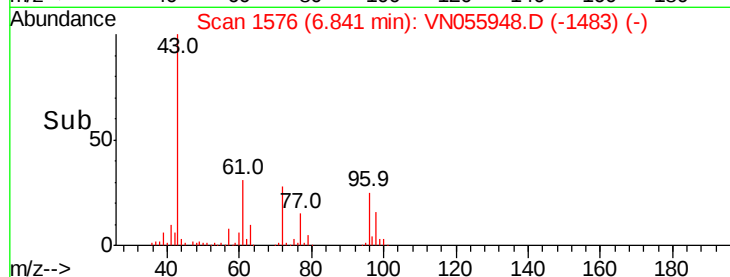
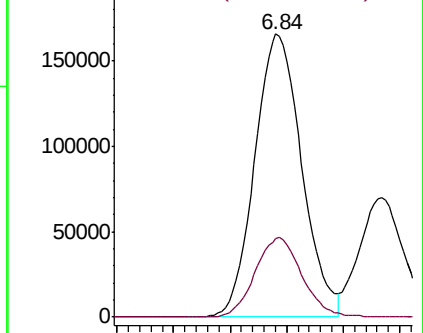
MMDadoda

6/3/2019 4:12:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 29.050 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055948.D

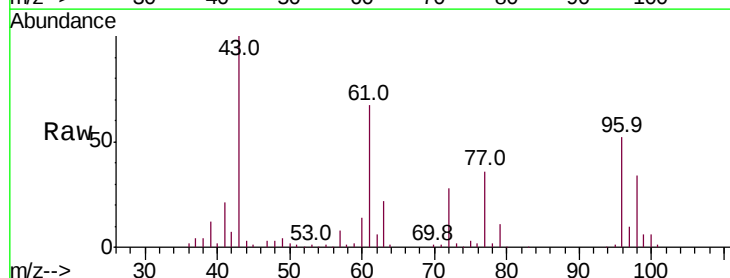
Acq: 1 Jun 2019 4:56

Tgt Ion: 77 Resp: 122102

Ion Ratio Lower Upper

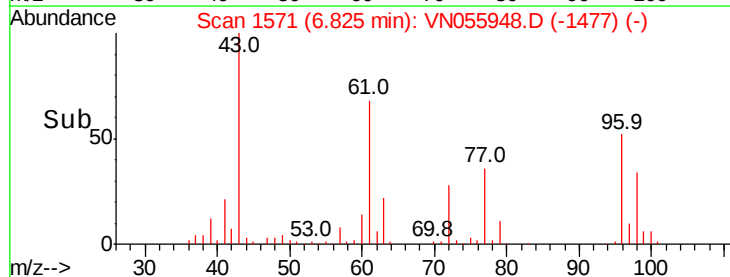
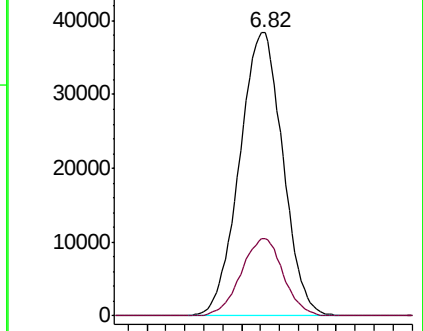
77 100

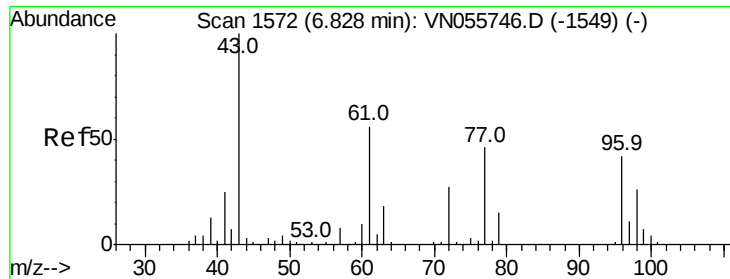
97 26.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.679 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 162049

Ion Ratio Lower Upper

96 100

61 129.5 0.0 275.8

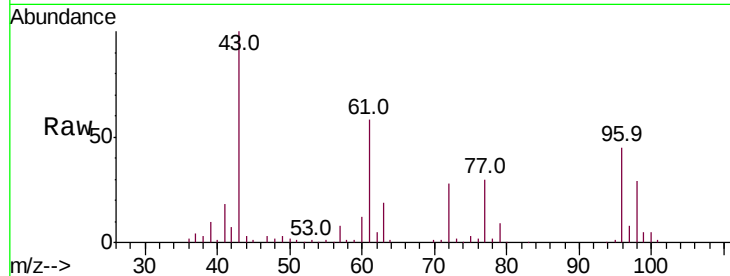
98 64.2 0.0 128.4

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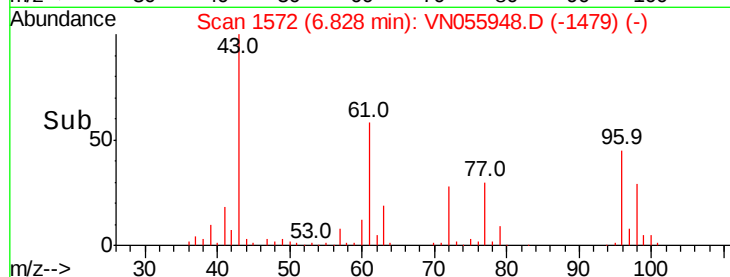


Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)

Time-->

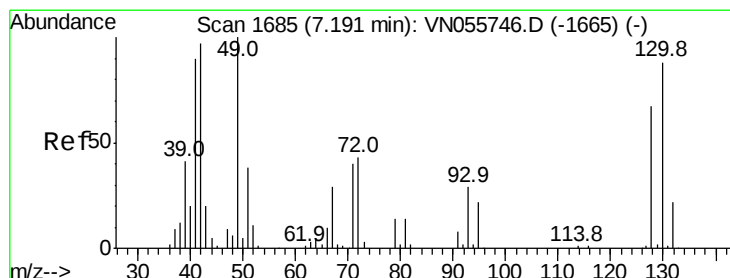


Abundance Ion 95.90 (95.60 to 96.60): VN055948.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055948.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN055948.D (-1479) (-)

Time-->



#28

Bromochloromethane

Concen: 53.414 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

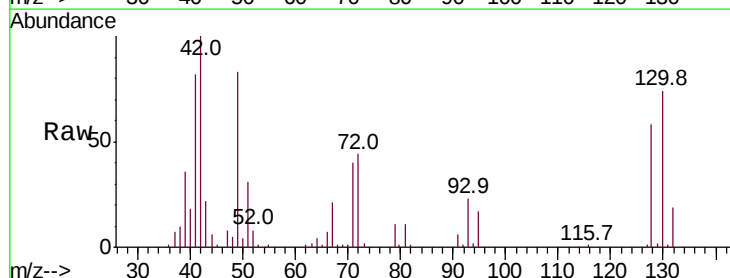
Tgt Ion: 49 Resp: 123510

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 88.7 71.2 106.8

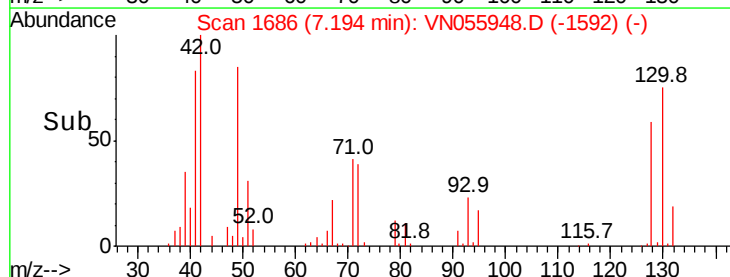


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

Time-->

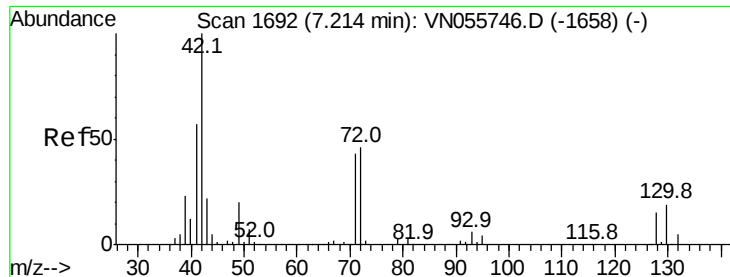


Abundance Ion 48.90 (48.60 to 49.60): VN055948.D (-1592) (-)

Ion 128.80 (128.50 to 129.50): VN055948.D (-1592) (-)

Ion 129.80 (129.50 to 130.50): VN055948.D (-1592) (-)

Time-->



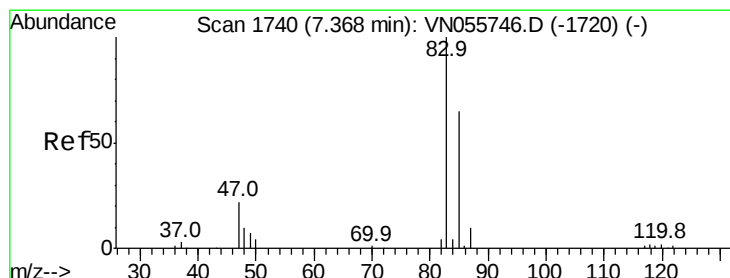
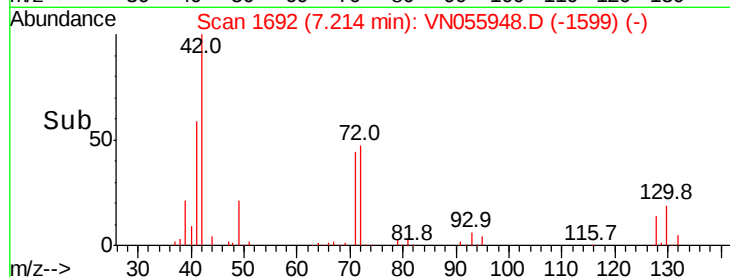
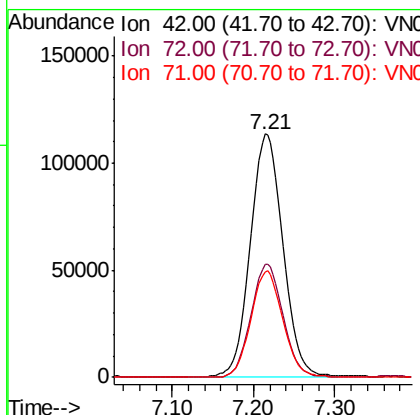
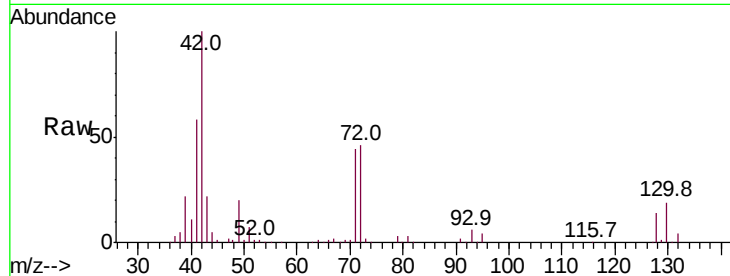
#29
Tetrahydrofuran
Concen: 266.270 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.9	53.9
71	42.7	34.0	51.0

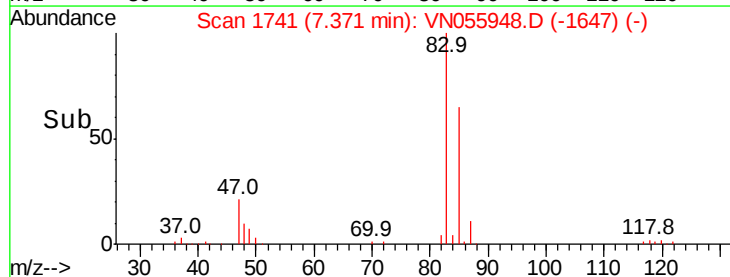
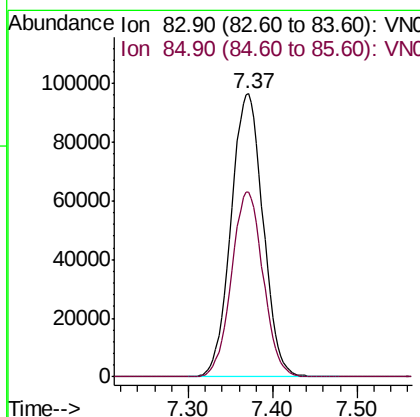
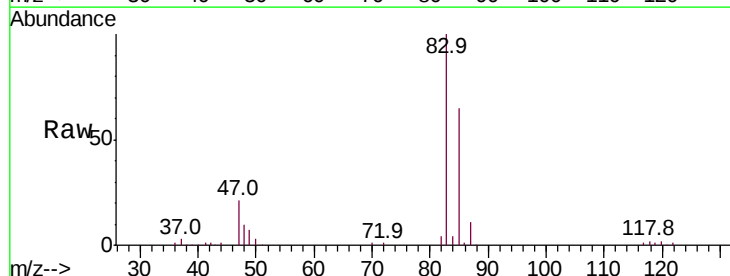
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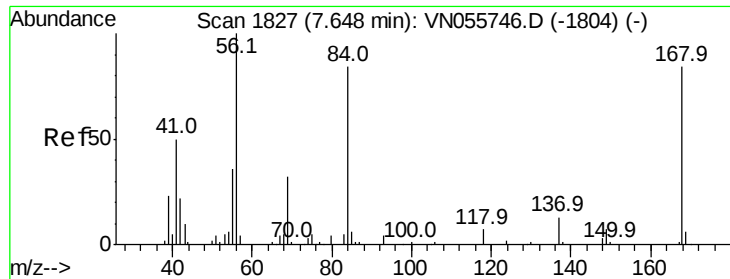
MMDadoda
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#30
Chloroform
Concen: 52.695 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





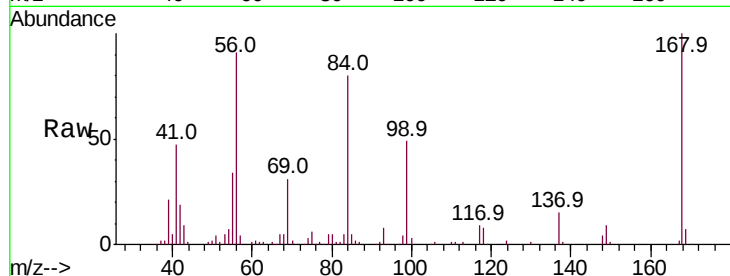
#31
Cyclohexane
Concen: 46.242 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.6	38.4
84	87.5	67.4	101.0

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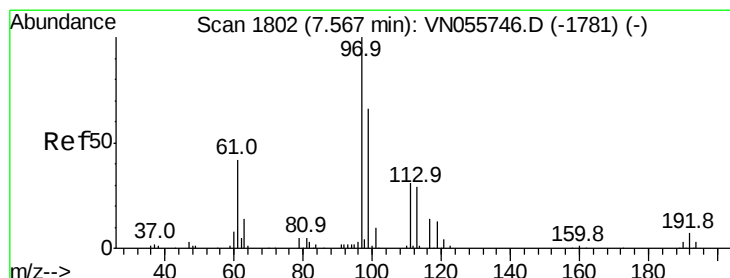
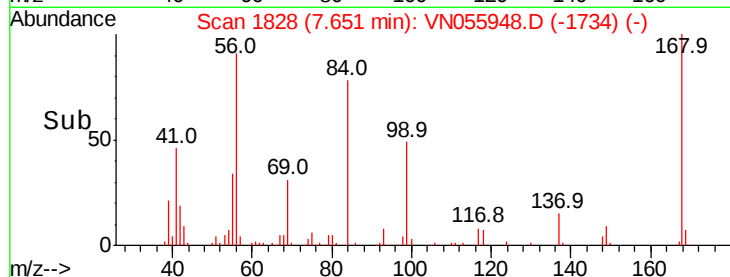
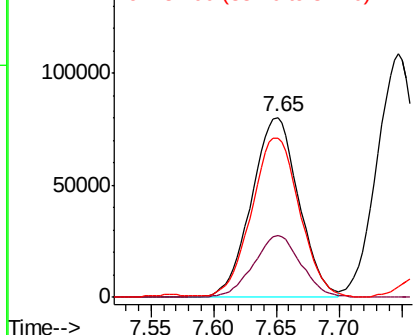


Abundance

Ion 56.00 (55.70 to 56.70): VNO

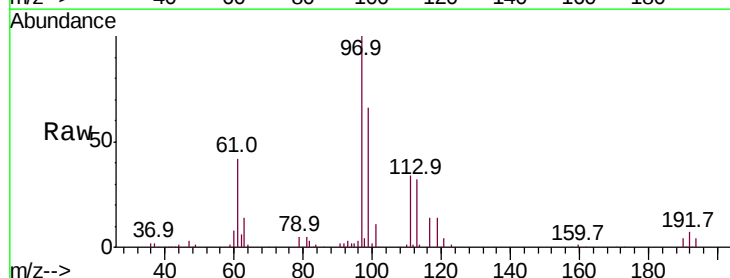
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 48.723 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	41.3	32.9	49.3

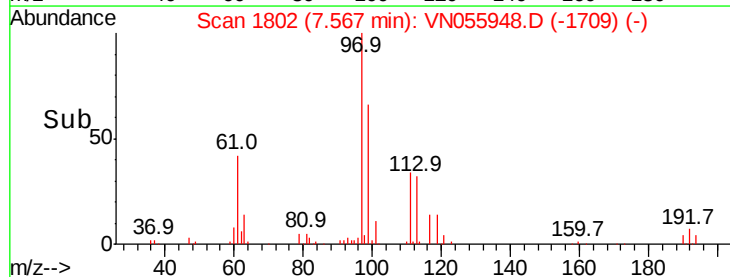
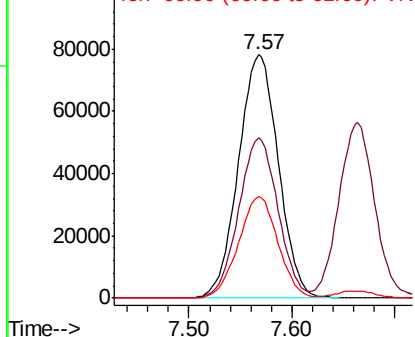


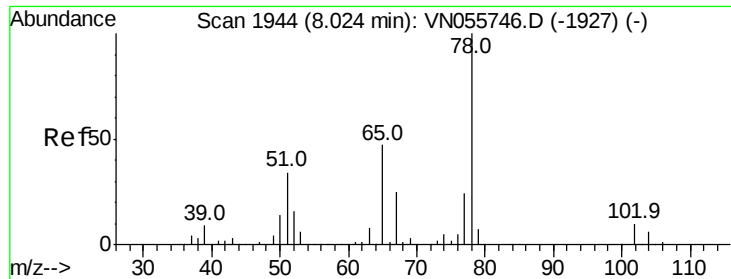
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





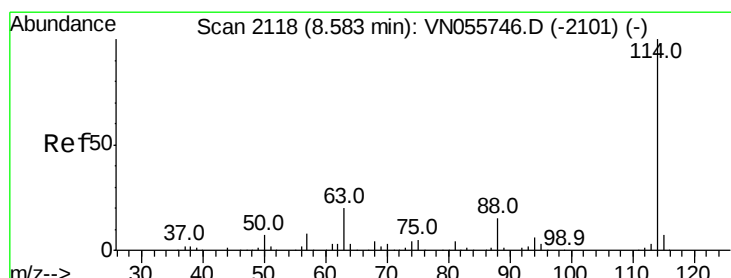
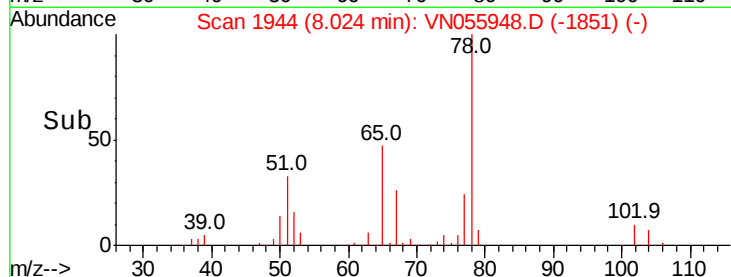
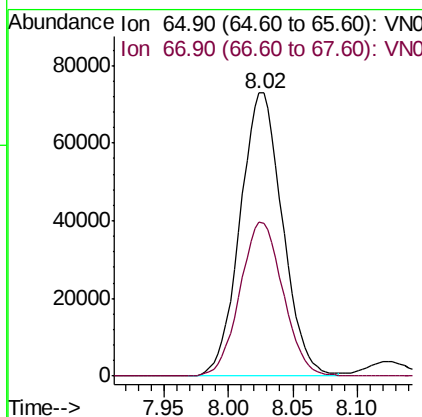
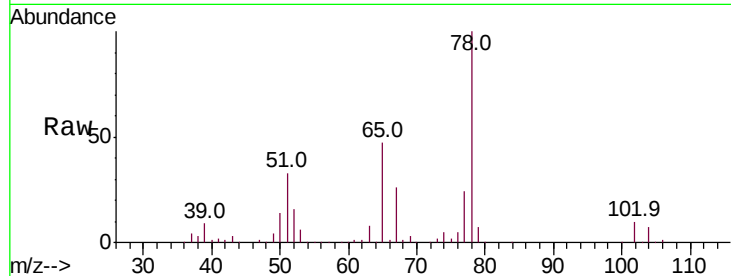
#33
 1,2-Dichloroethane-d4
 Concen: 55.037 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167196		
67	55.3	0.0	109.2	

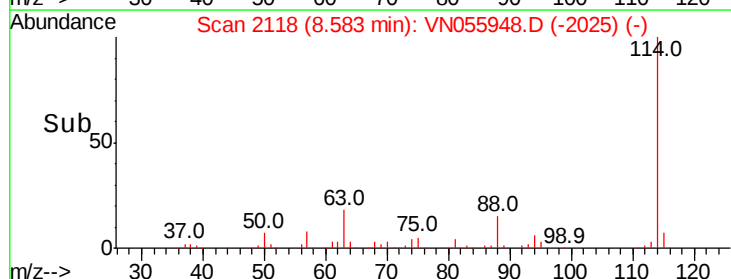
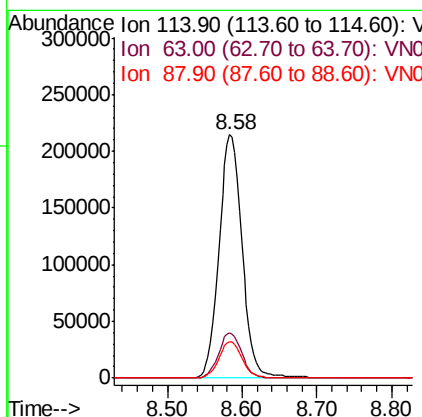
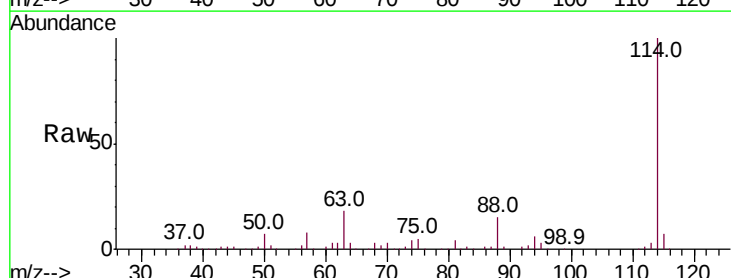
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457808		
63	18.4	0.0	39.2	
88	14.9	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.053 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 147768

Ion Ratio Lower Upper

113 100

111 104.6 81.9 122.9

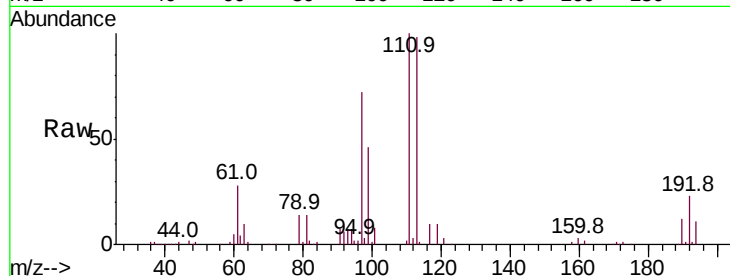
192 23.9 19.5 29.3

Manual Integrations

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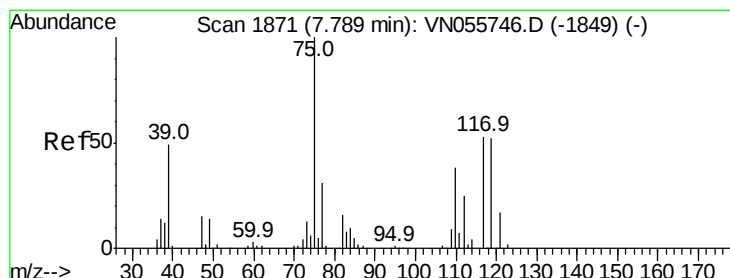
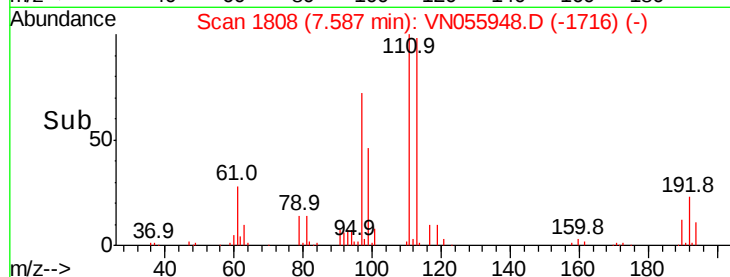
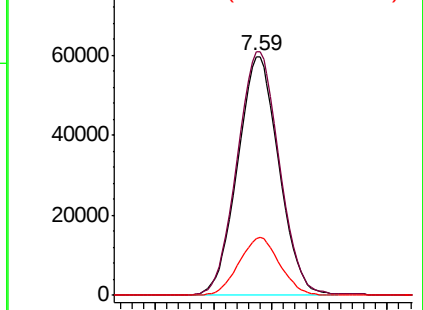
6/3/2019 4:12:44 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.264 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

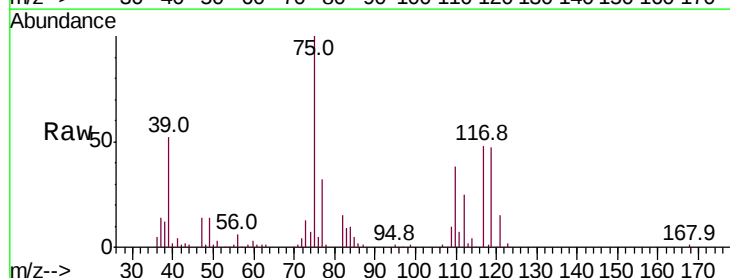
Tgt Ion: 75 Resp: 180584

Ion Ratio Lower Upper

75 100

110 38.3 19.0 57.0

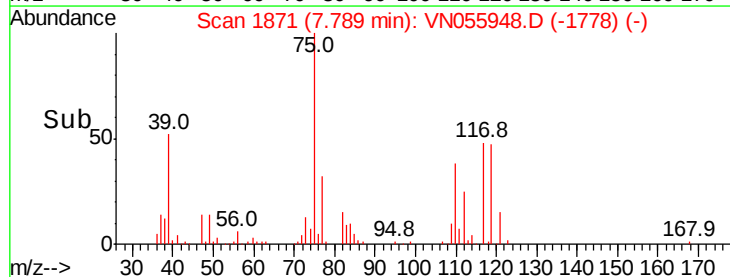
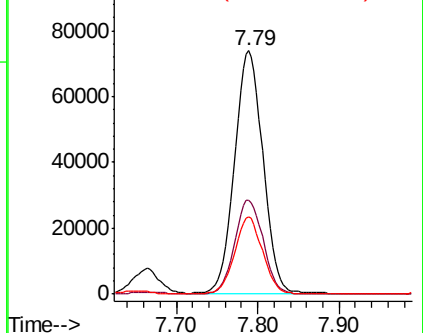
77 31.1 25.1 37.7

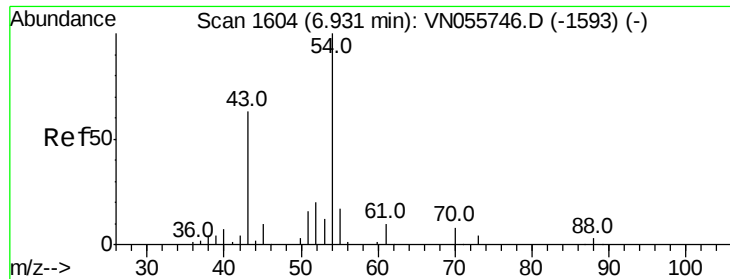


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





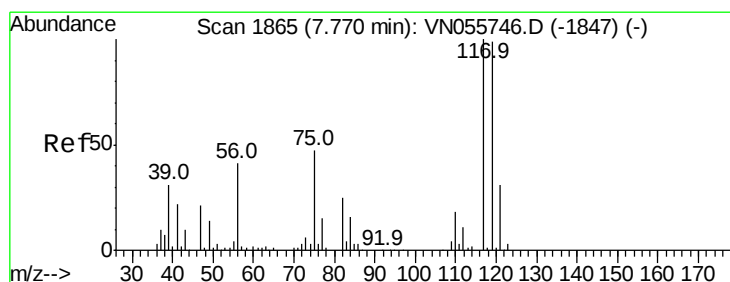
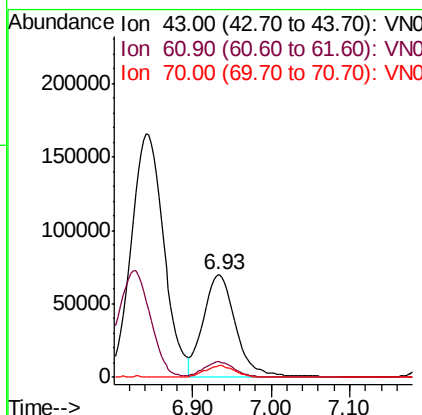
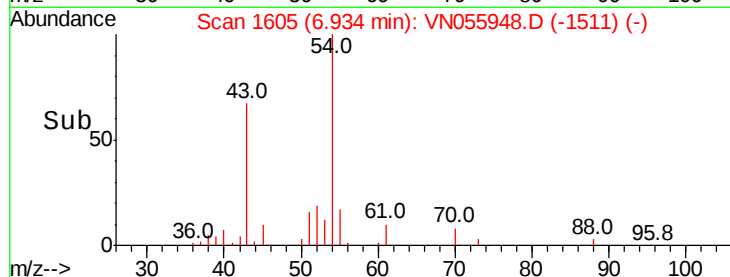
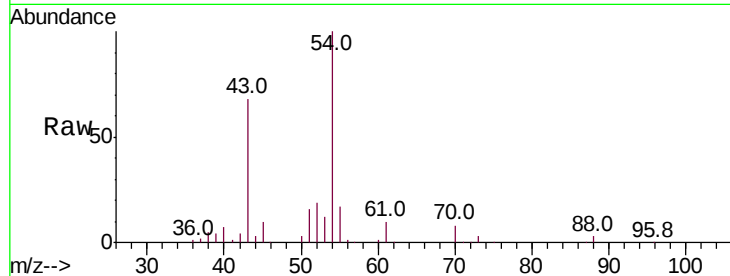
#37
Ethyl Acetate
Concen: 50.745 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.0	8.9	13.3

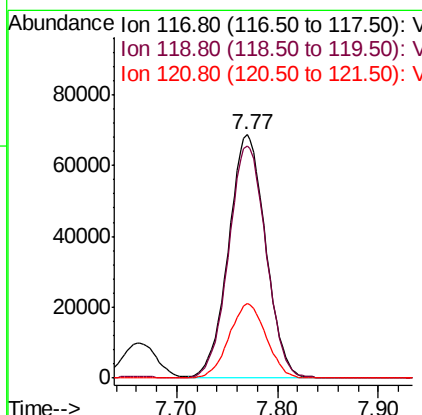
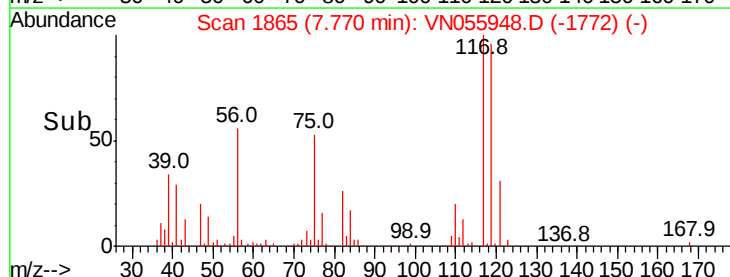
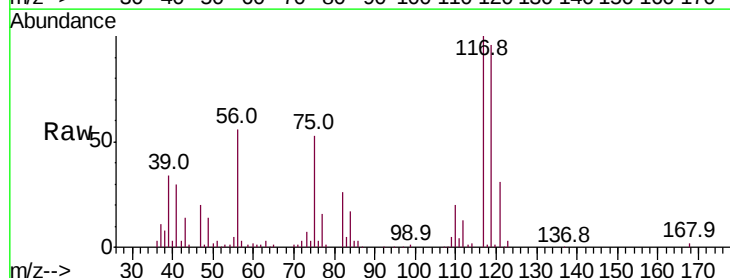
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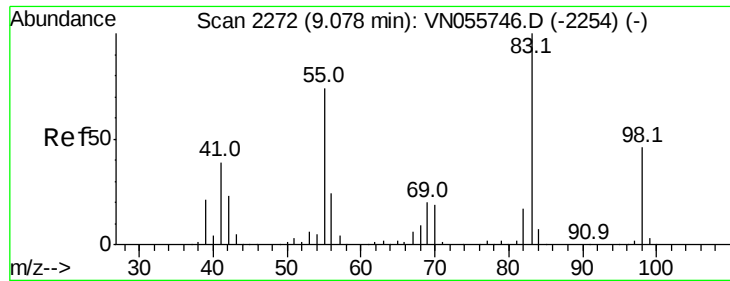
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#38
Carbon Tetrachloride
Concen: 42.283 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.0	118.6
121	30.7	24.7	37.1





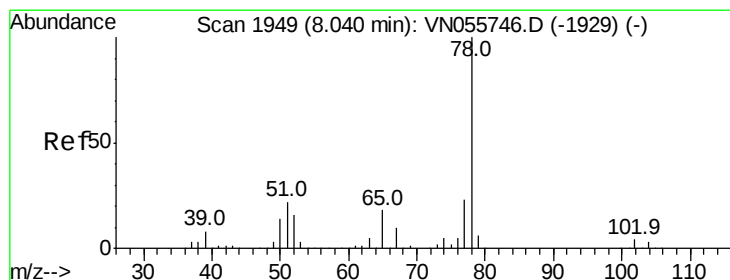
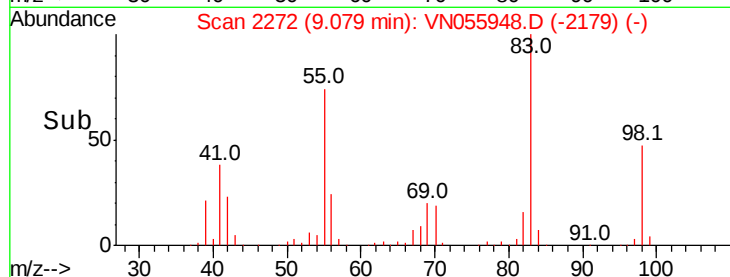
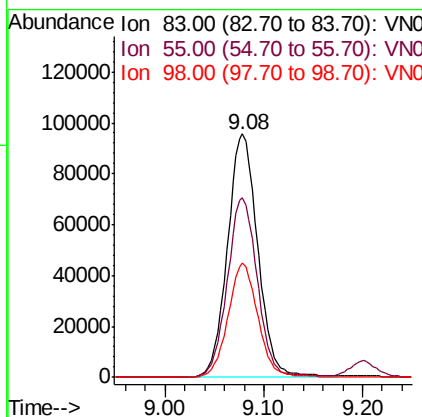
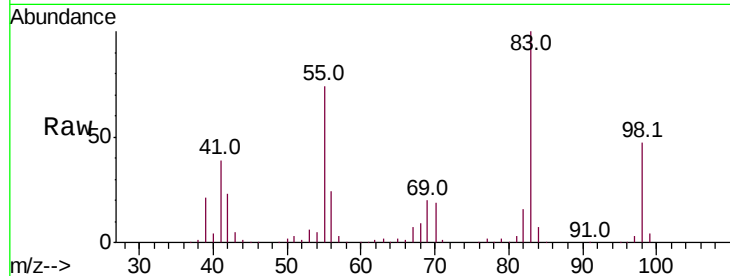
#39
Methvlcvclohexane
Concen: 41.620 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	59.3	88.9
98	47.1	36.6	54.8

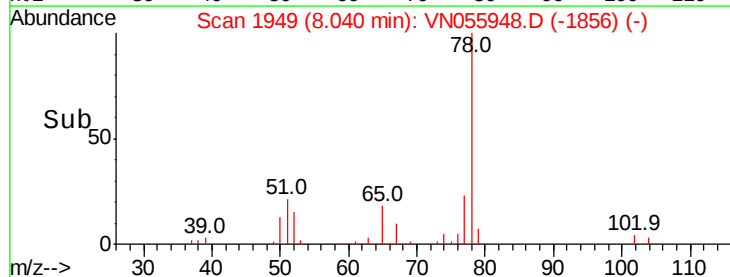
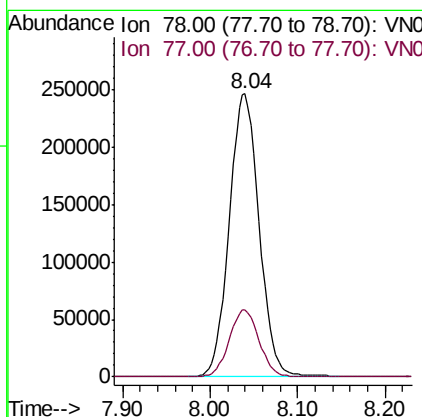
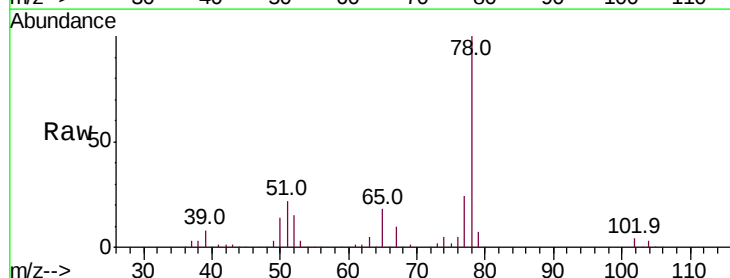
Manual Integrations
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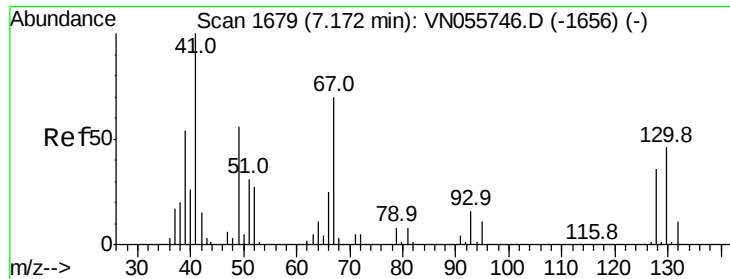
MMDadoda
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#40
Benzene
Concen: 48.566 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





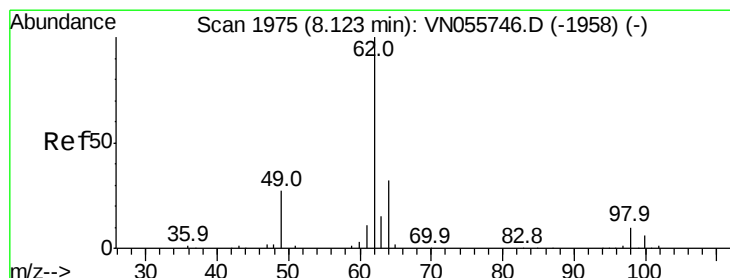
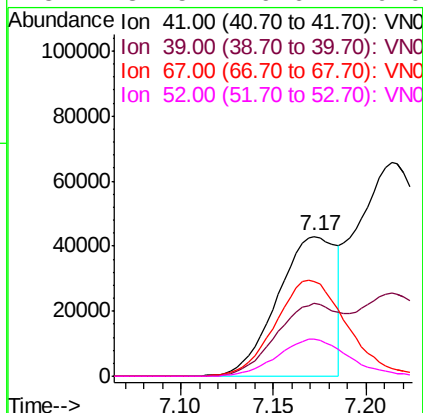
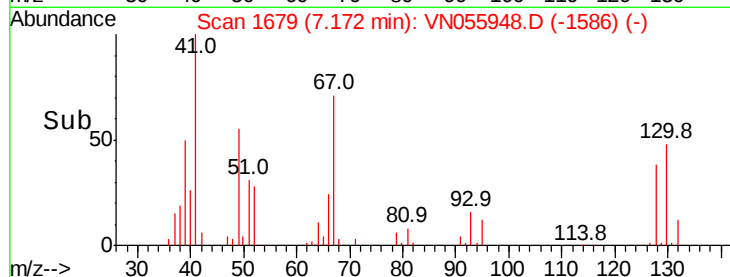
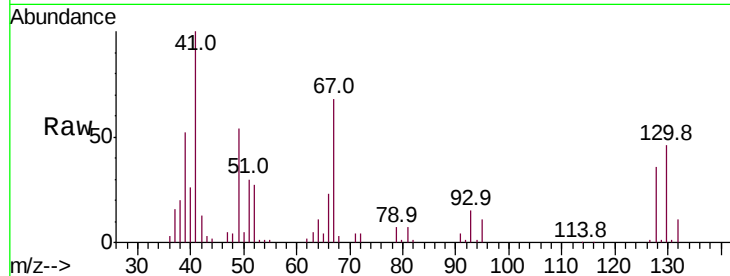
#41
Methacrylonitrile
Concen: 48.762 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	94991
Ion Ratio	100	Lower	Upper
41	100		
39	60.2	45.6	68.4
67	84.1	67.7	101.5
52	32.5	26.6	40.0

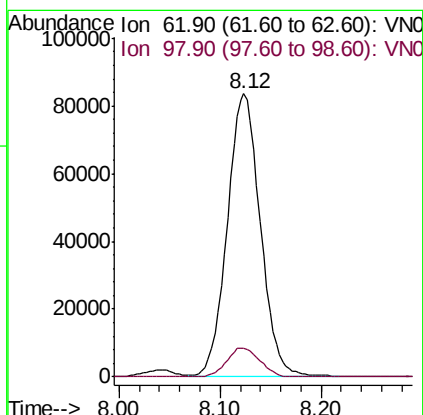
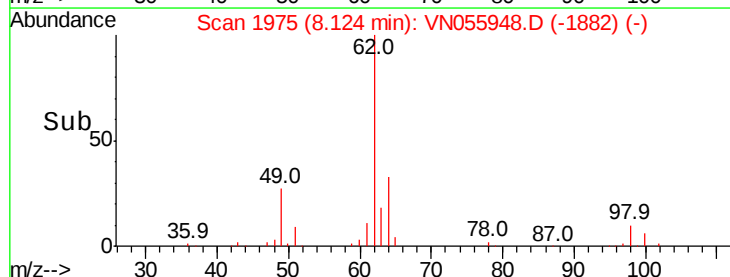
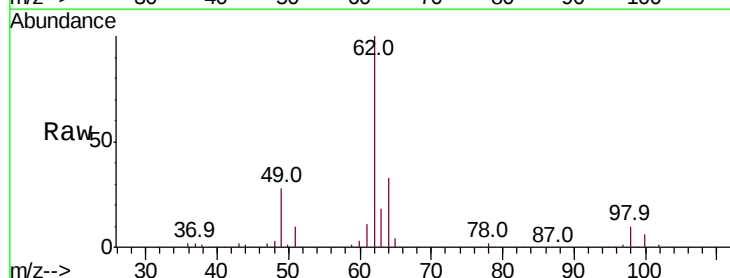
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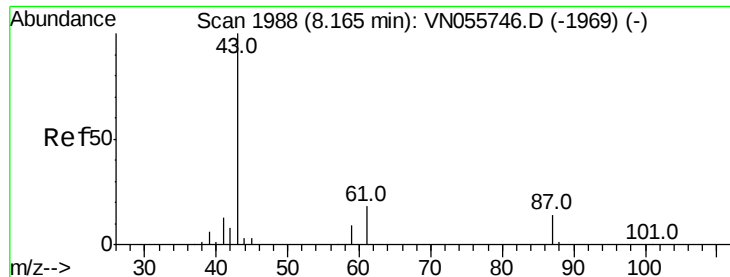
MMDadoda
6/3/2019 4:12:44 PM



#42
1,2-Dichloroethane
Concen: 48.199 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	62	Resp	189374
Ion Ratio	100	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.195 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

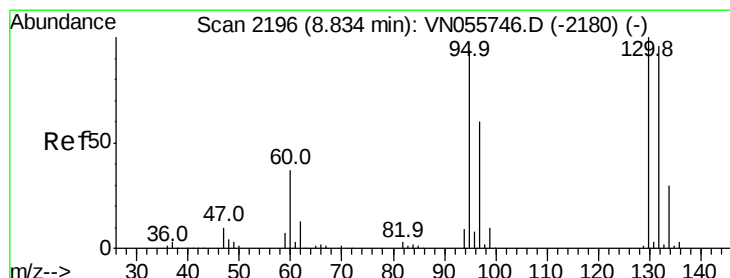
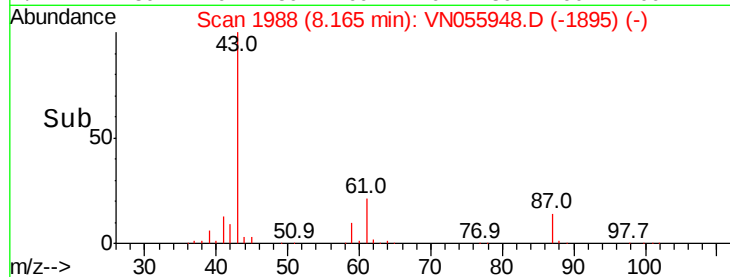
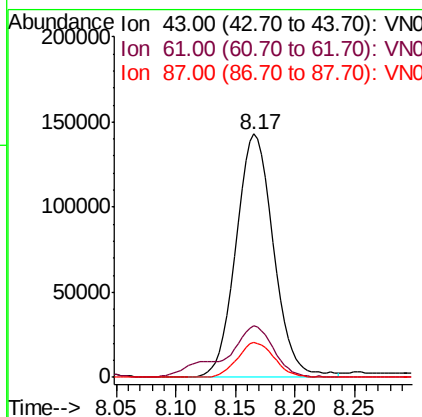
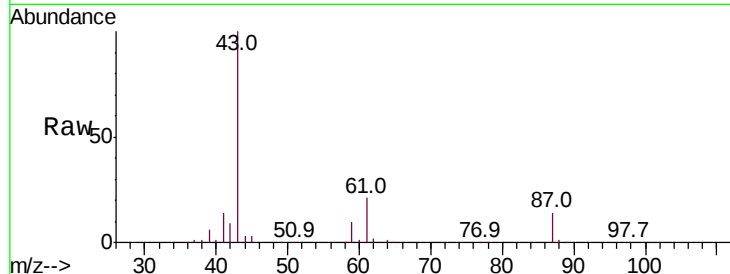
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	312239
Ion Ratio	Lower	Upper	
43	100		
61	27.0	22.2	33.4
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 48.256 ug/l

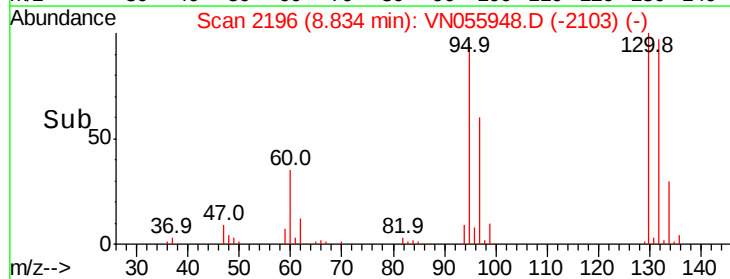
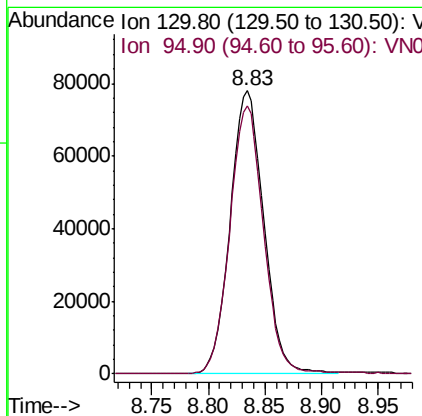
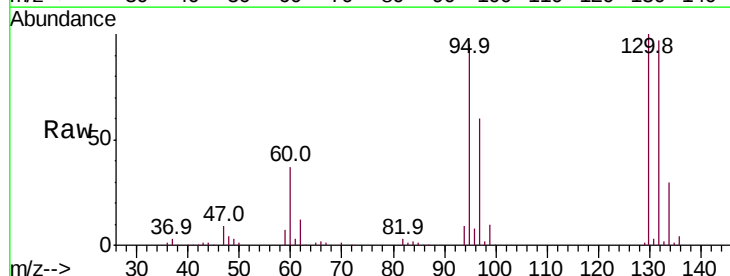
RT: 8.83 min Scan# 2196

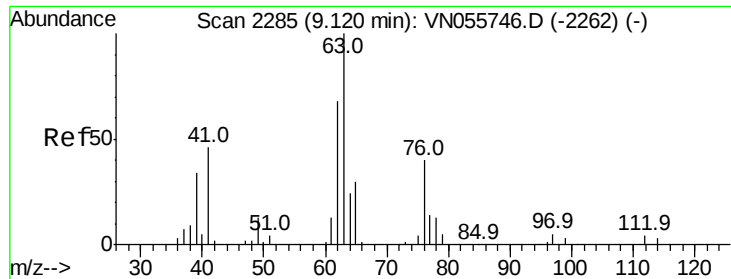
Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion:	130	Resp:	161758
Ion Ratio	Lower	Upper	
130	100		
95	94.7	0.0	188.0





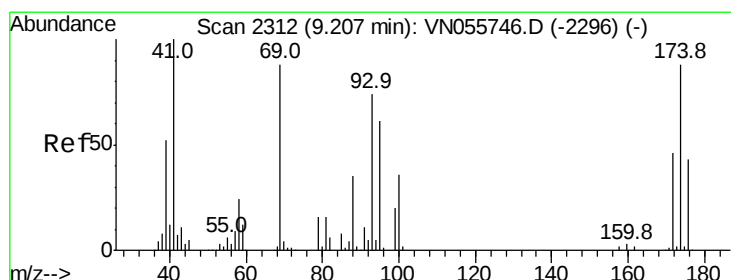
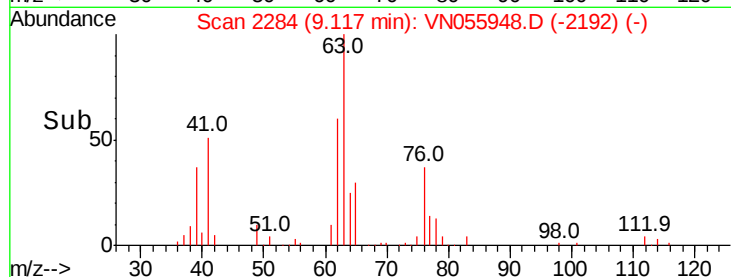
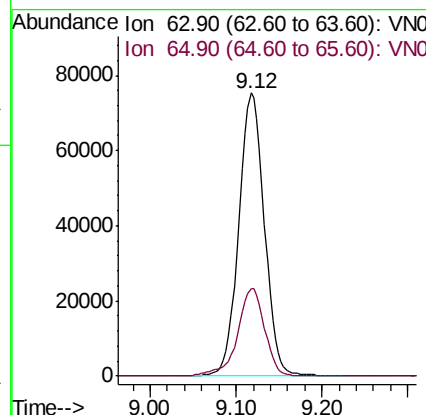
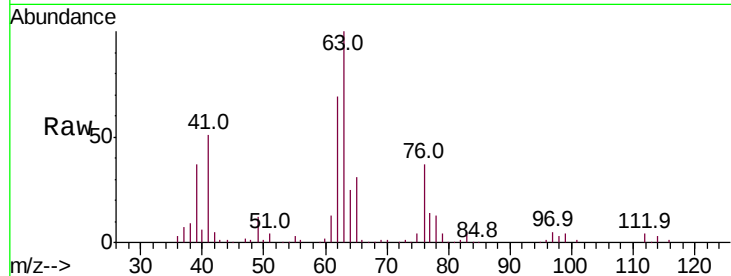
#45
 1,2-Dichloropropane
 Concen: 49.691 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 155670
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

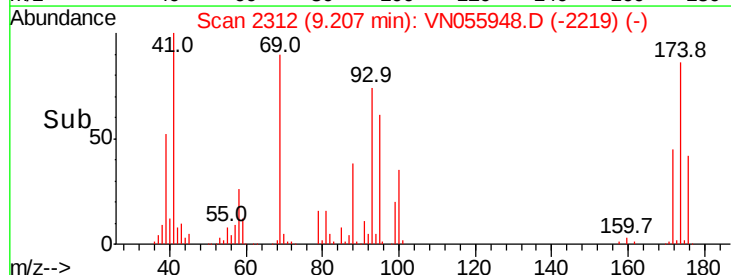
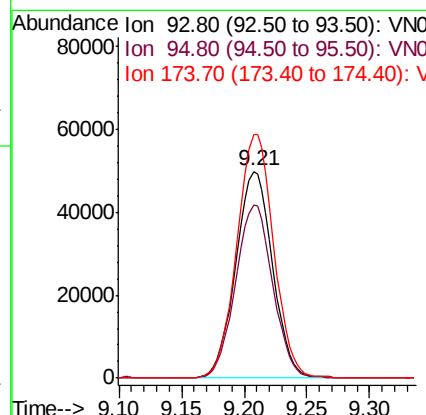
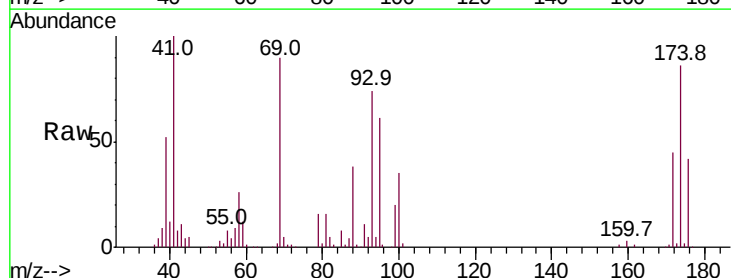
Manual Integrations
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 6/3/2019 4:12:44 PM



#46
 Dibromomethane
 Concen: 49.577 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion: 93 Resp: 101856
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 117.9 96.4 144.6





#47

Bromodichloromethane

Concen: 45.938 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

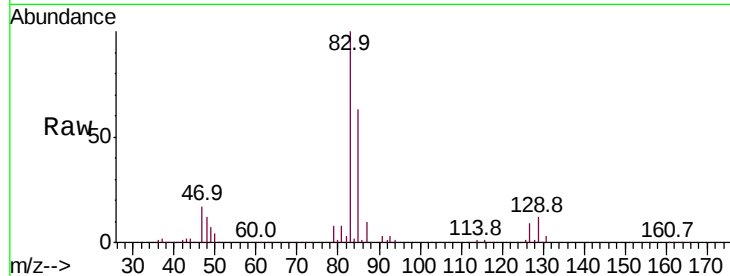
ClientSampleId :

VSTDCCC050EC

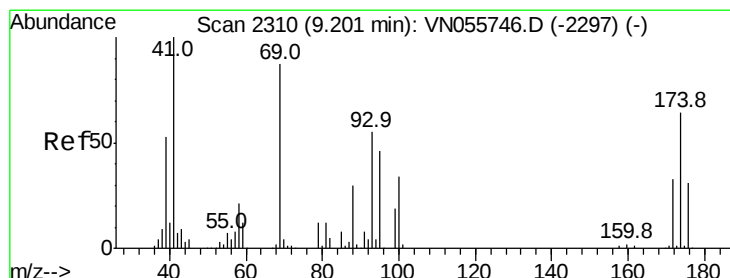
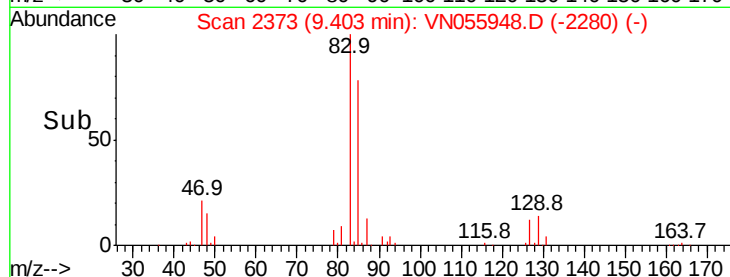
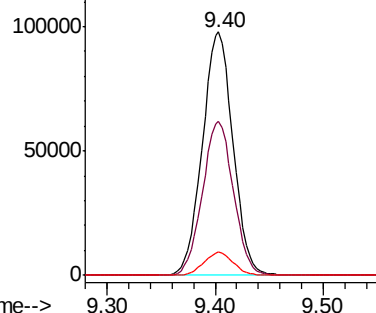
Tot Ion:	83	Resp:	193528
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.2
127	9.4	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055948.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.745 ug/l

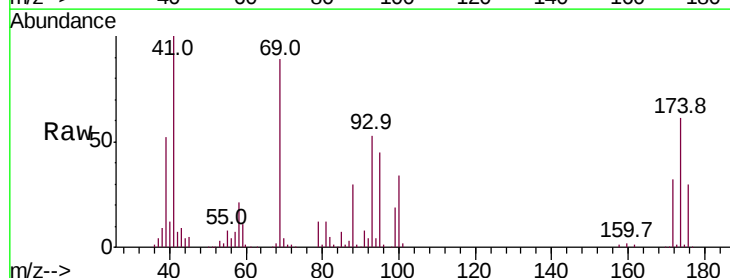
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

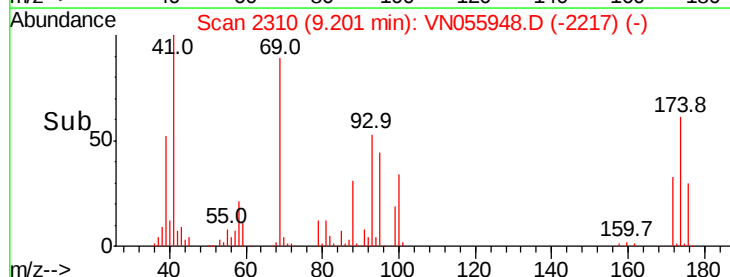
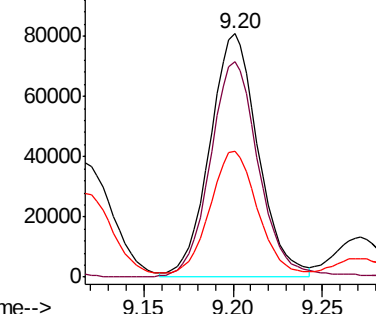
Lab File: VN055948.D

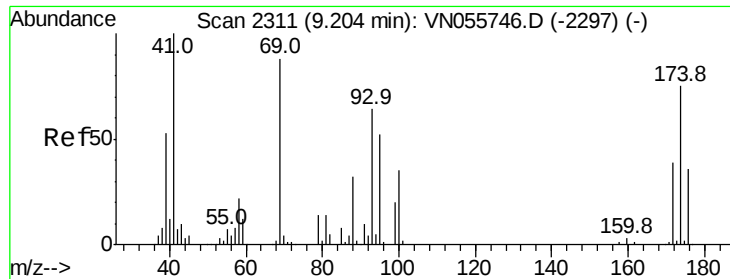
Acq: 1 Jun 2019 4:56

Tgt Ion:	41	Resp:	151517
Ion Ratio	Lower	Upper	
41	100		
69	89.3	71.0	106.6
39	52.3	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055948.D (-2217) (-)





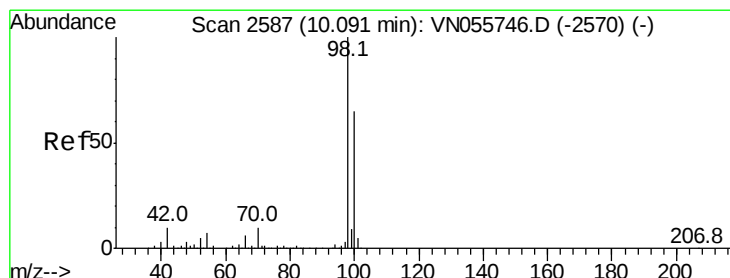
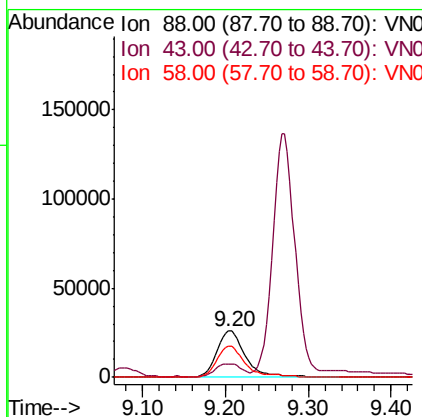
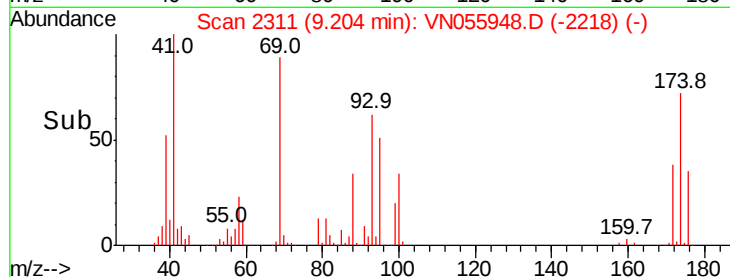
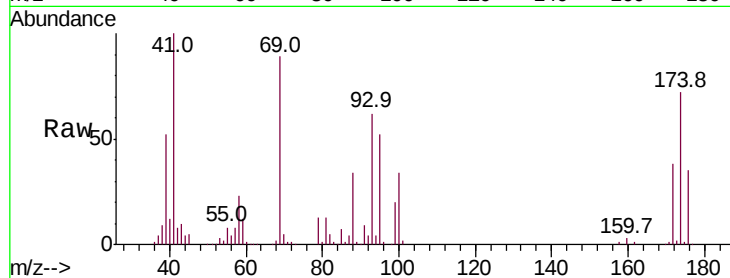
#49
 1,4-Dioxane
 Concen: 1006.515 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	62453
Ion	Ratio	Lower	Upper
88	100		
43	25.7	20.5	30.7
58	63.0	55.8	83.6

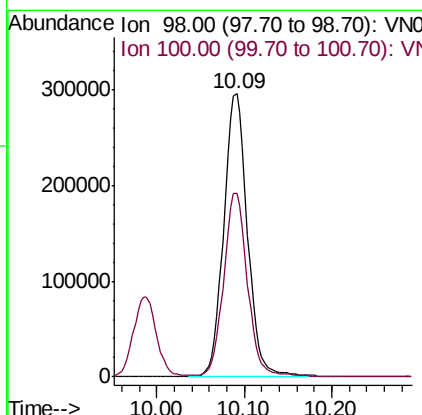
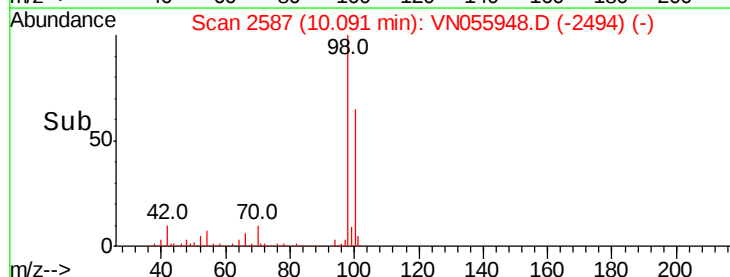
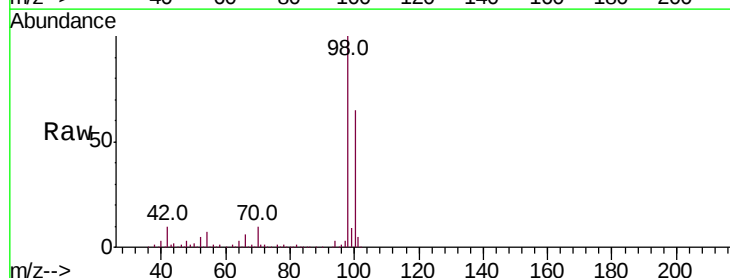
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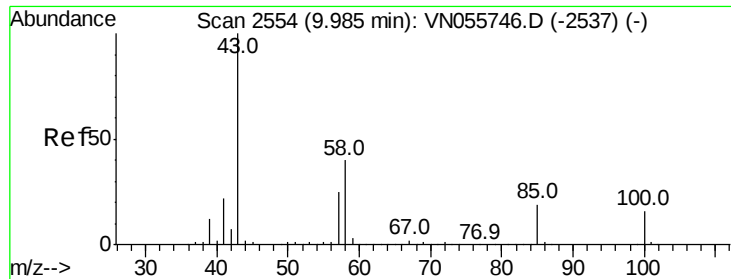
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#50
 Toluene-d8
 Concen: 50.298 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	98	Resp	558439
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





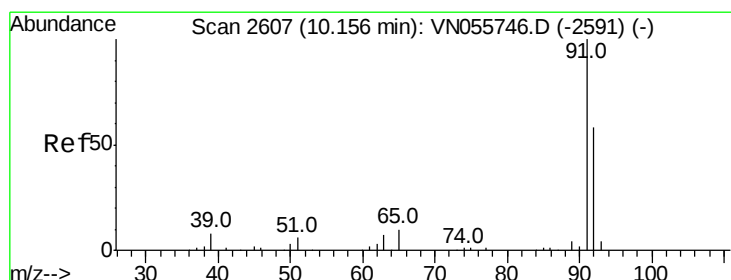
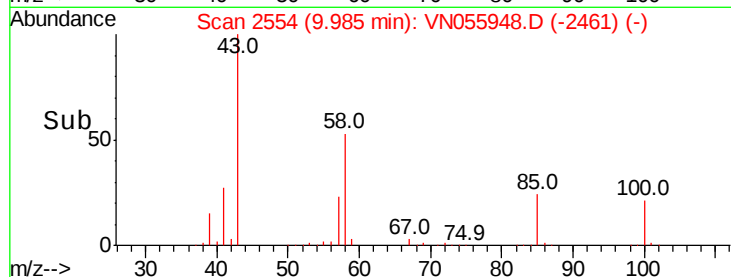
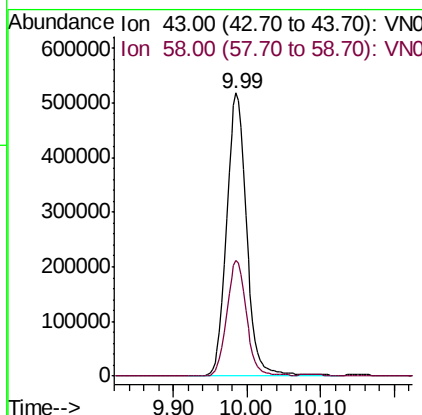
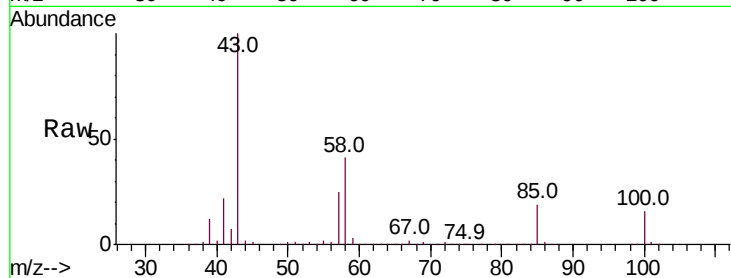
#51
4-Methyl-2-Pentanone
Concen: 254.219 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 972722
Ion Ratio Lower Upper
43 100
58 40.3 32.1 48.1

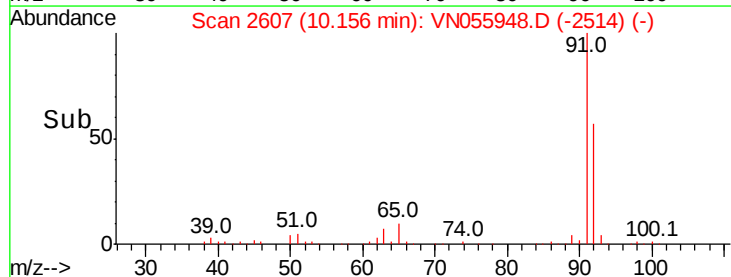
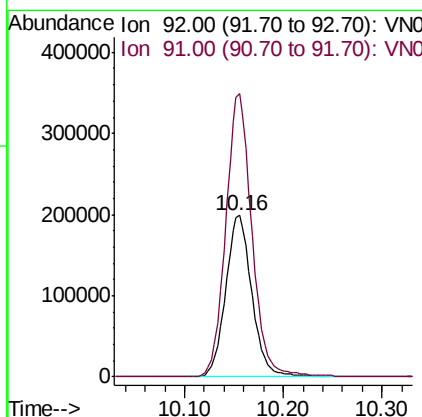
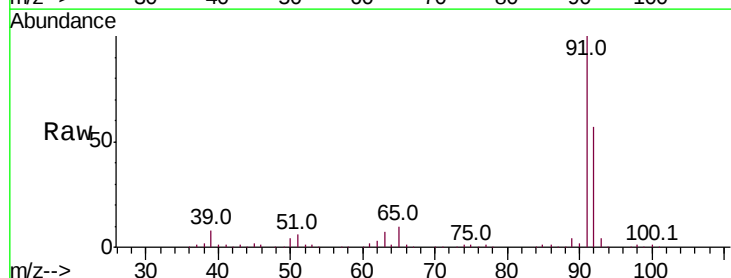
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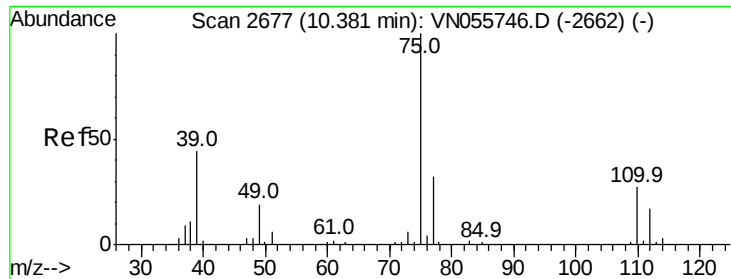
MMDadoda
6/3/2019 4:12:44 PM



#52
Toluene
Concen: 49.083 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion: 92 Resp: 371172
Ion Ratio Lower Upper
92 100
91 175.1 139.4 209.2





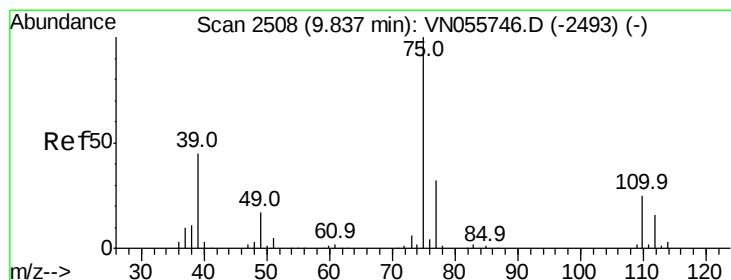
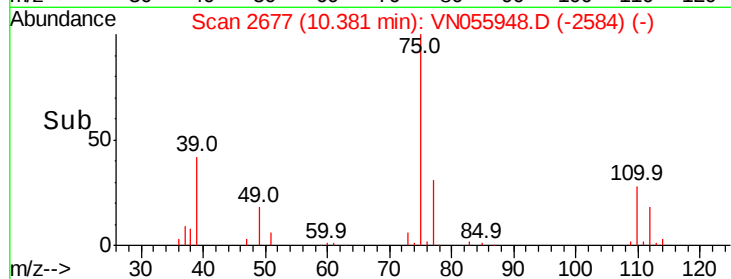
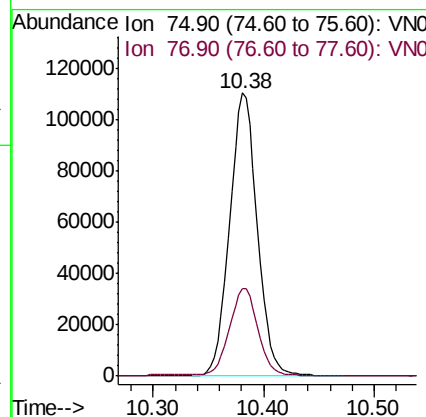
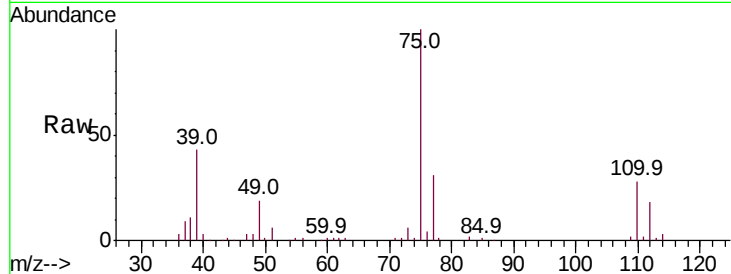
#53
t-1,3-Dichloropropene
Concen: 42.691 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 191976
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6

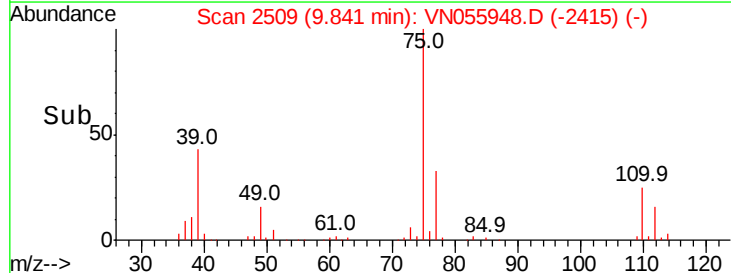
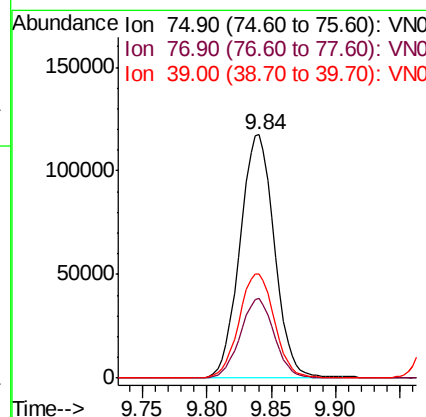
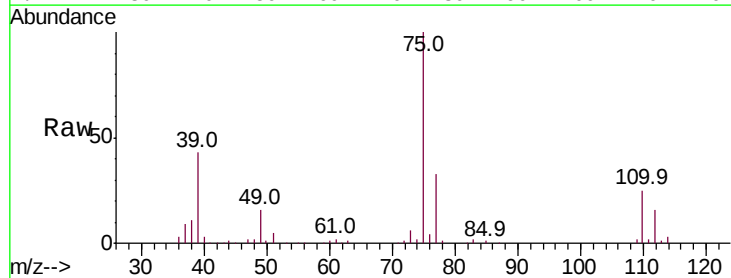
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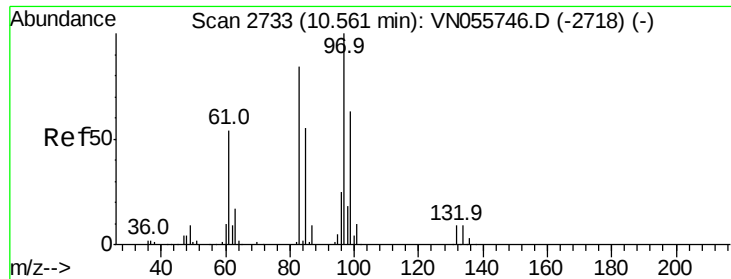
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 43.856 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion: 75 Resp: 218476
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 42.9 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 50.300 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 152385

Ion Ratio Lower Upper

97 100

83 86.1 67.0 100.6

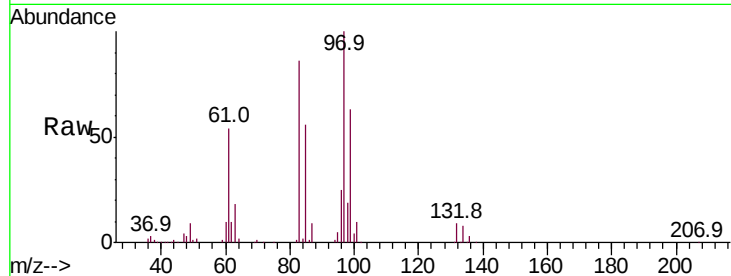
85 56.0 44.0 66.0

99 63.2 50.6 75.8

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6/3/2019 4:12:44 PM

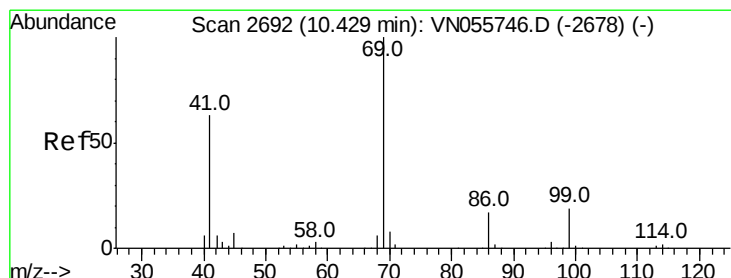
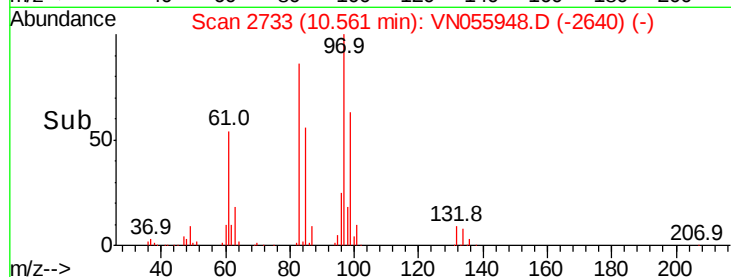
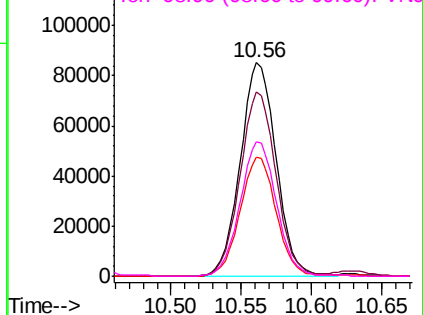


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 49.921 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion: 69 Resp: 233731

Ion Ratio Lower Upper

69 100

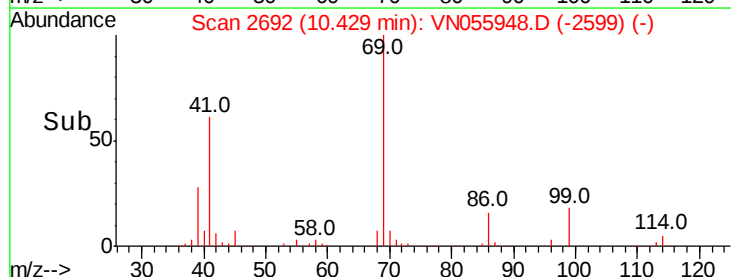
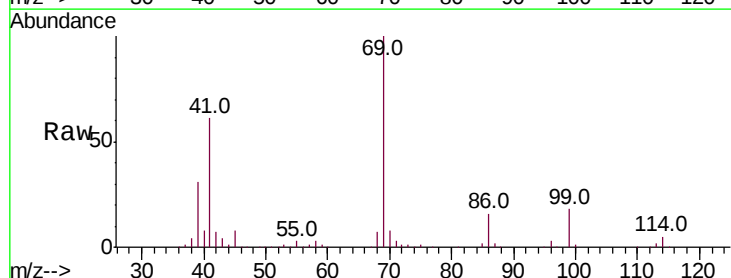
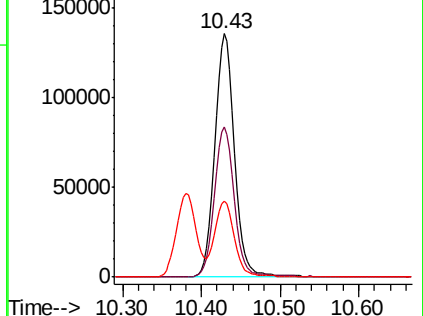
41 61.5 49.7 74.5

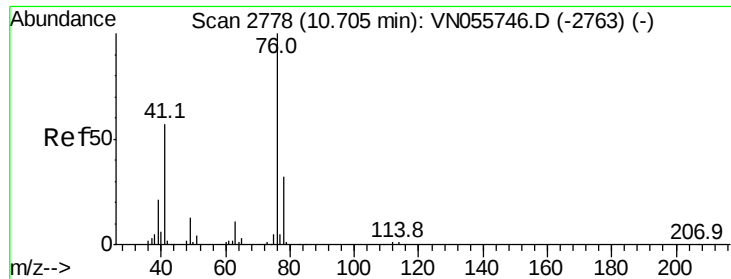
39 30.8 24.7 37.1

Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.598 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 249162

Ion Ratio Lower Upper

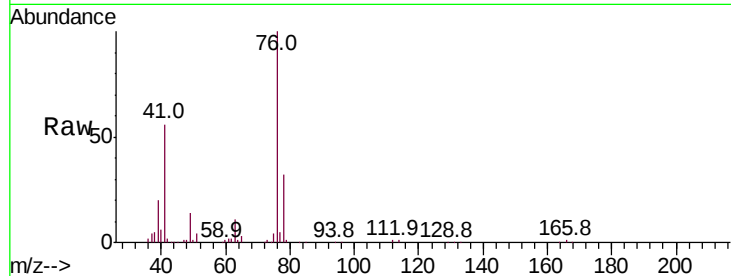
76 100

78 32.1 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

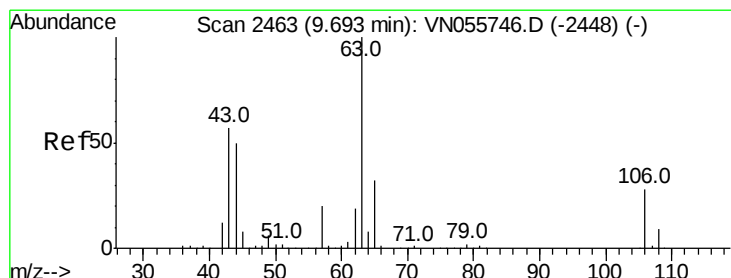
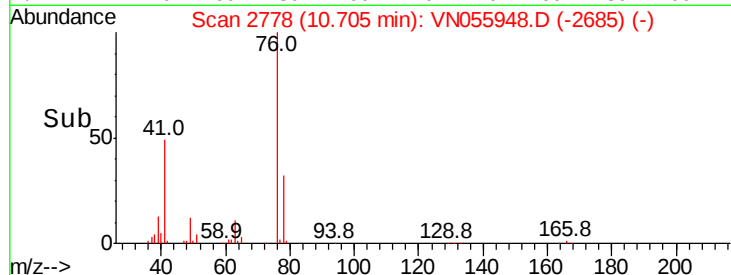
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.293 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055948.D

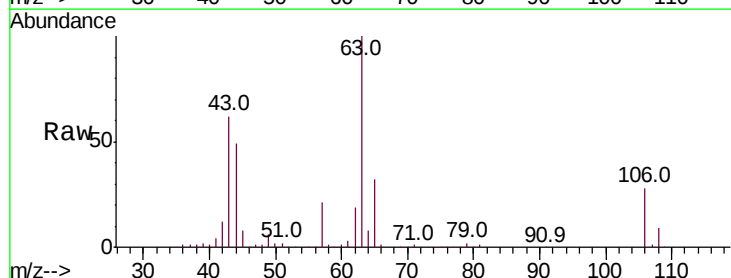
Acq: 1 Jun 2019 4:56

Tgt Ion: 63 Resp: 437106

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

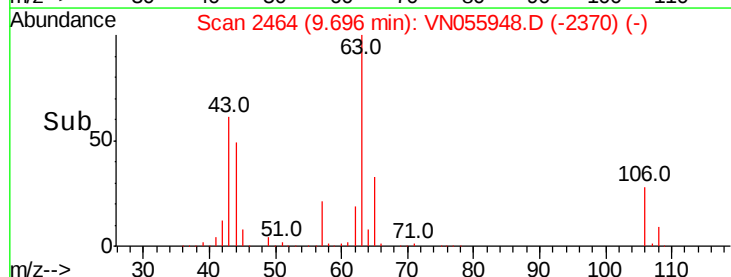
150000

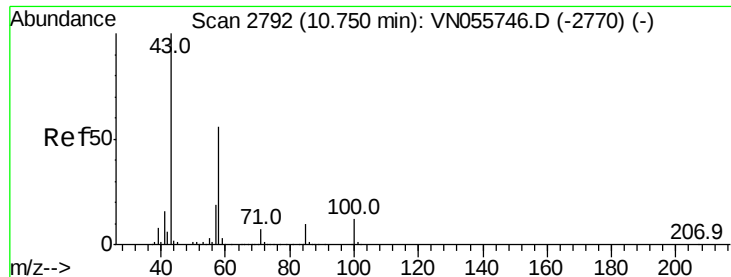
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 243.269 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 660333

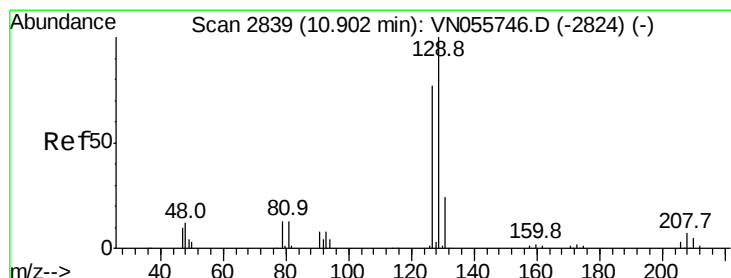
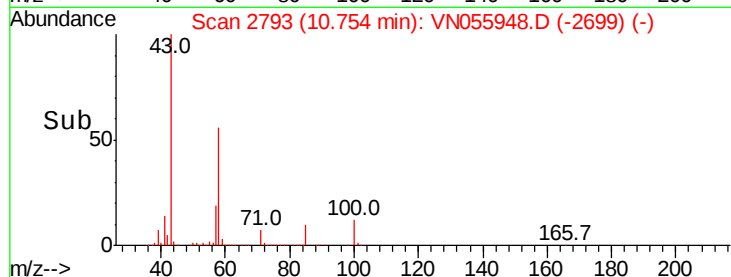
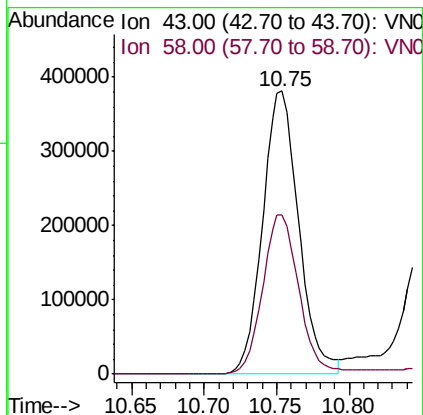
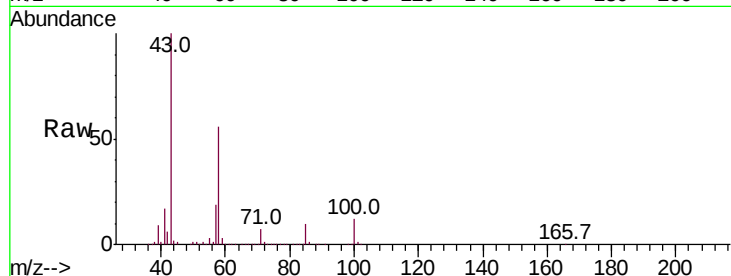
Ion Ratio Lower Upper

43 100

58 57.5 28.2 84.7

Manual Integrations
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6/3/2019 4:12:44 PM



#60

Dibromochloromethane

Concen: 45.843 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055948.D

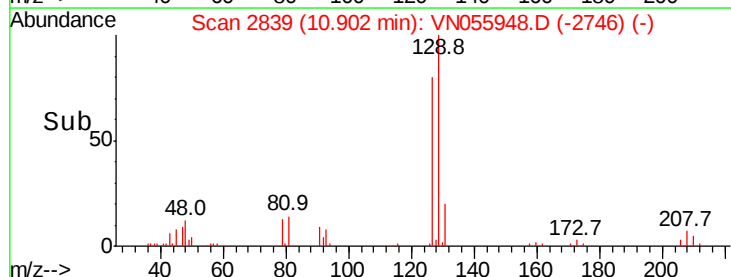
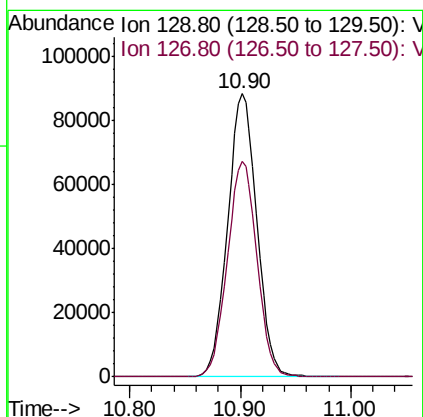
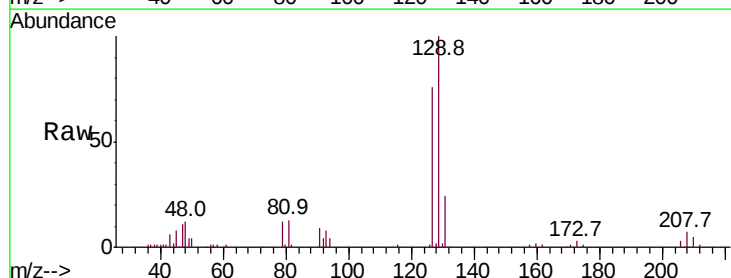
Acq: 1 Jun 2019 4:56

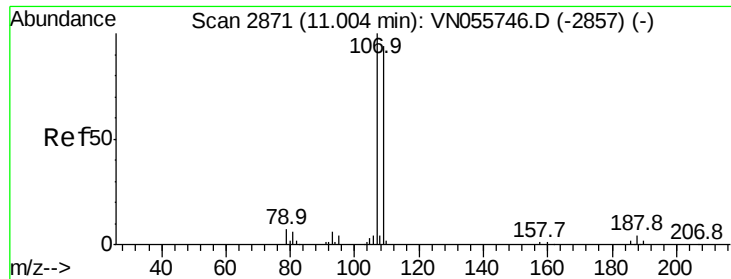
Tgt Ion: 129 Resp: 161790

Ion Ratio Lower Upper

129 100

127 77.0 38.1 114.3





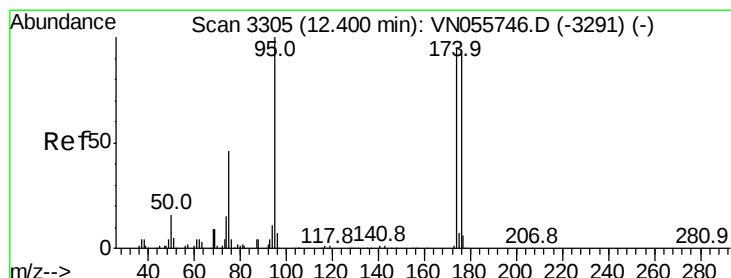
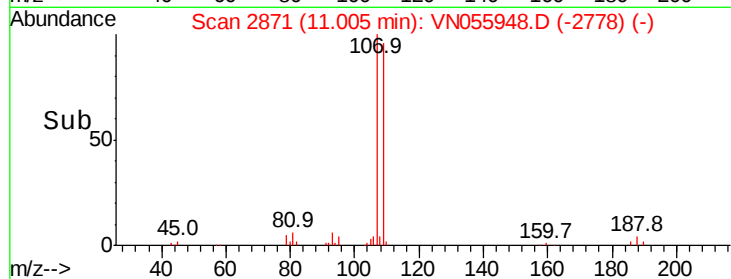
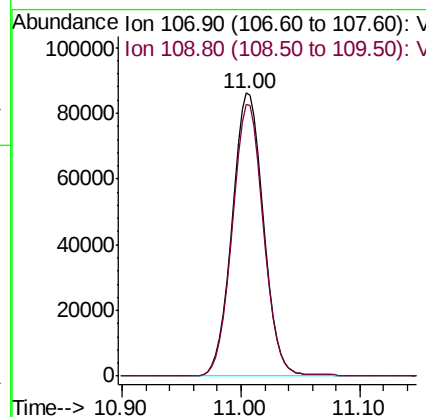
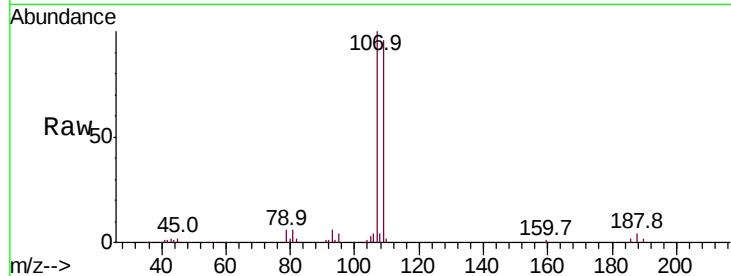
#61
 1,2-Dibromoethane
 Concen: 50.100 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	157431		
109	95.7	74.8	112.2	

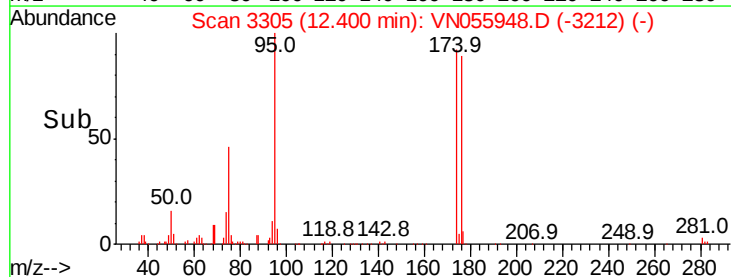
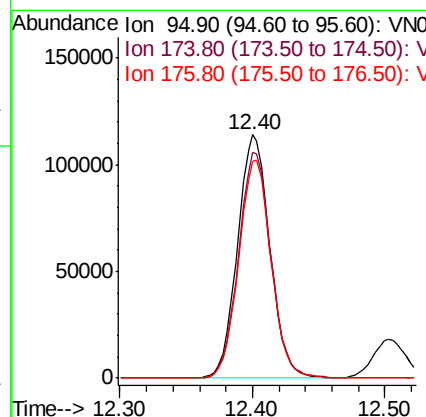
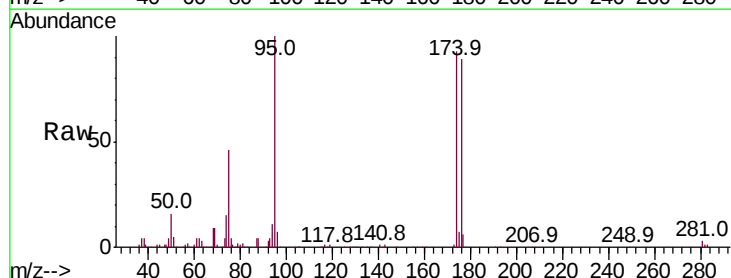
Manual Integrations
 APPROVED

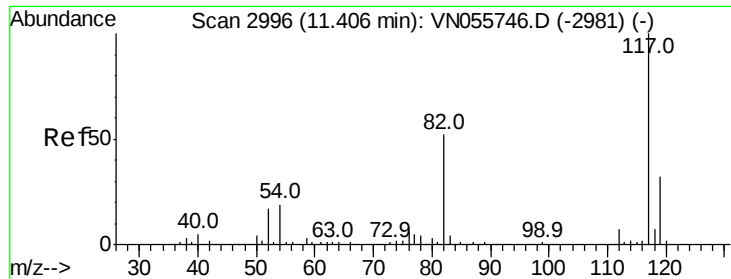
MMDadoda
 6/3/2019 4:12:44 PM



#62
 4-Bromofluorobenzene
 Concen: 50.685 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	192957		
174	92.9	0.0	191.0	
176	89.6	0.0	185.2	





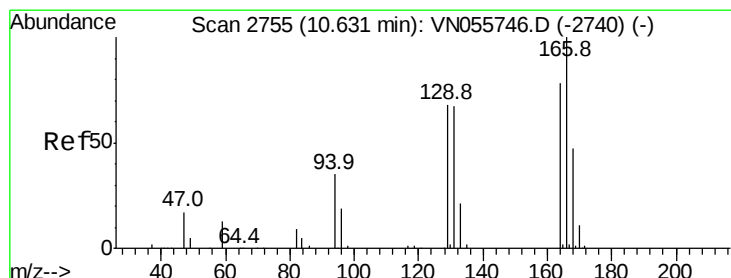
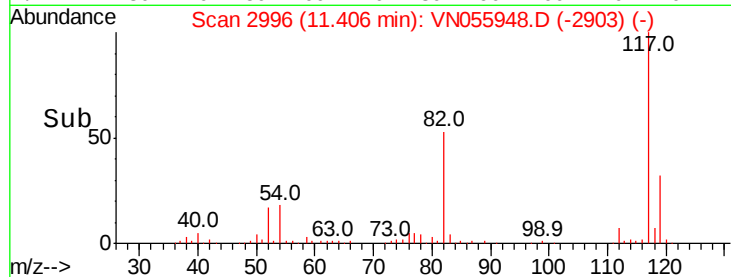
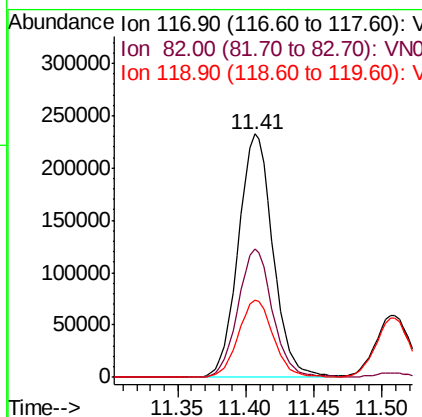
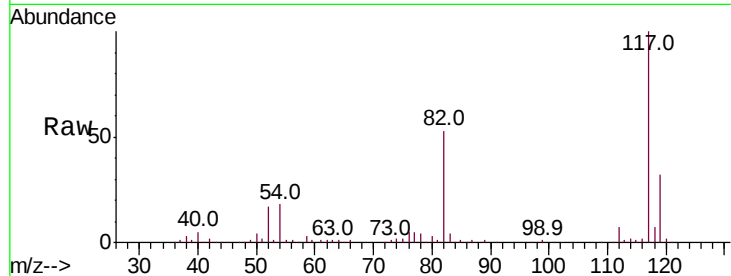
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	31.8	25.4	38.0

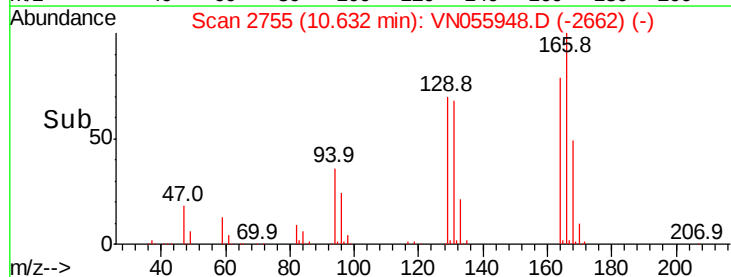
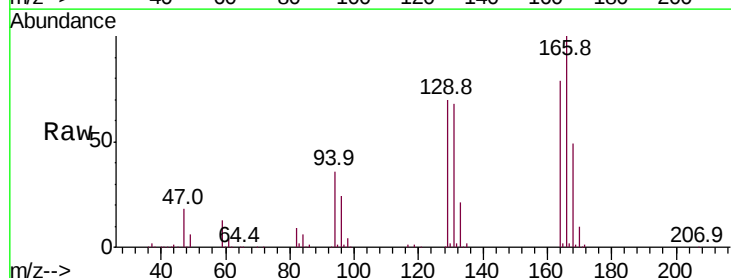
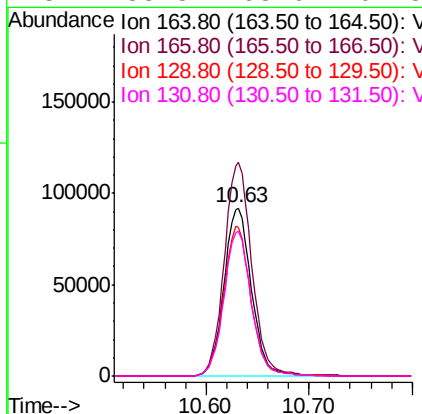
Manual Integrations
APPROVED

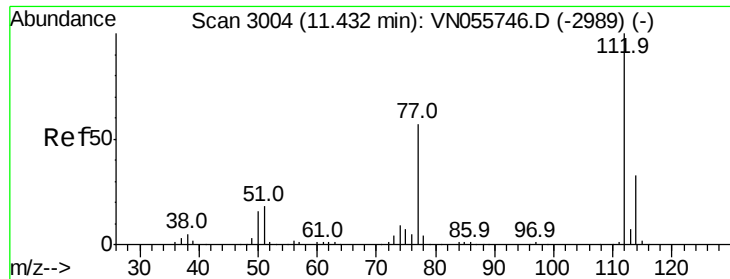
MMDadoda
6/3/2019 4:12:44 PM



#64
Tetrachloroethene
Concen: 49.521 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.0	154.6
129	88.5	70.6	105.8
131	85.8	68.6	102.8





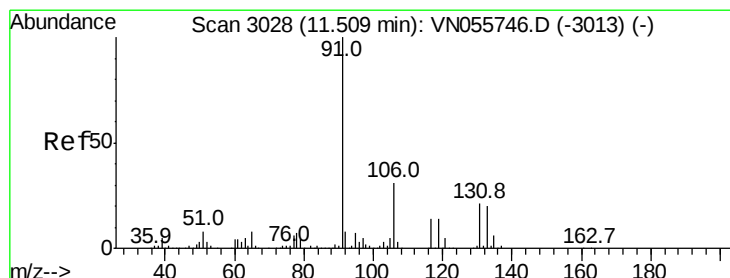
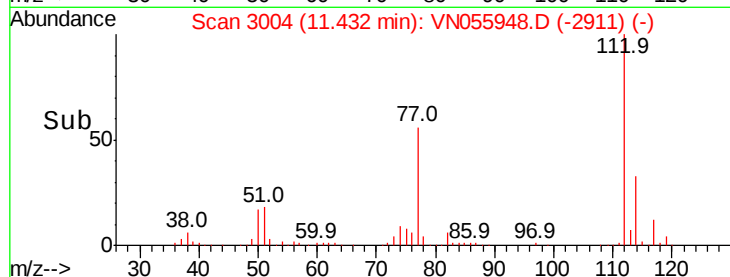
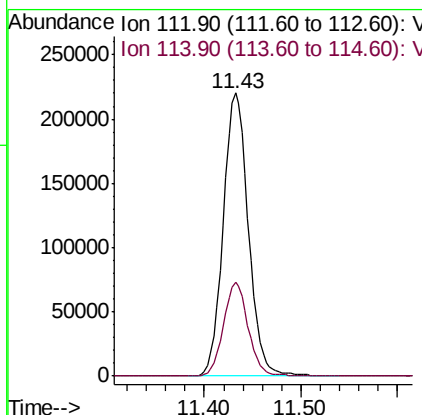
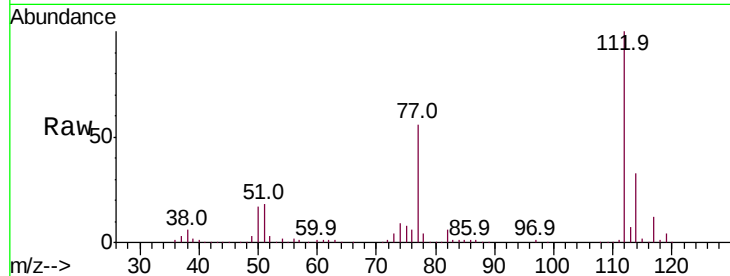
#65
Chlorobenzene
Concen: 48.472 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 397375
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.4

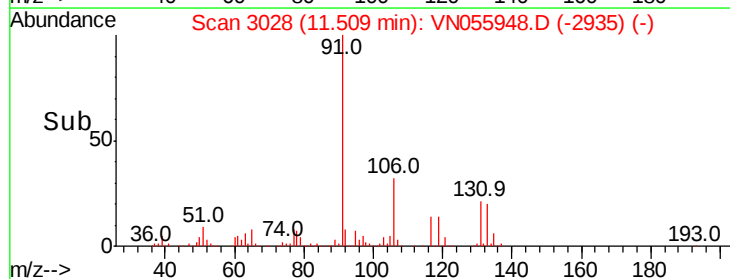
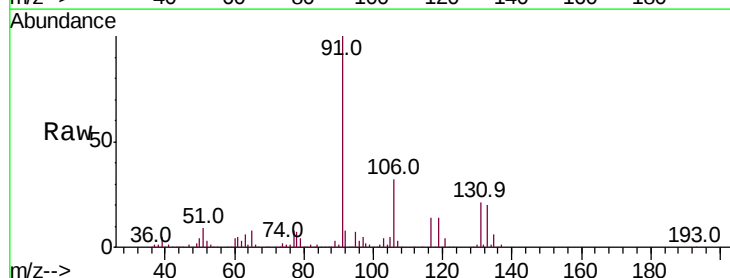
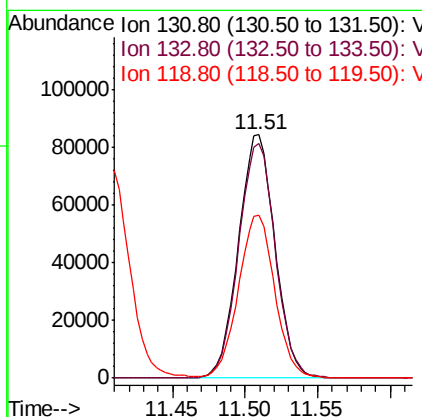
Manual Integrations
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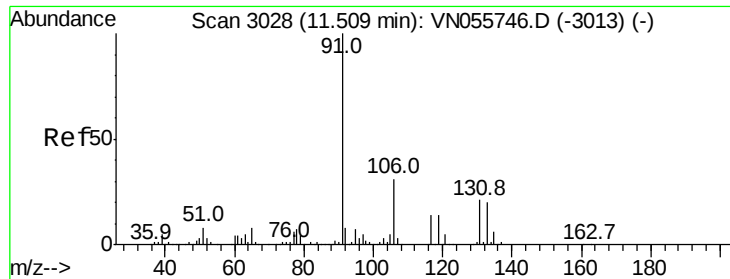
MMDadoda
6/3/2019 4:12:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.324 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion:131 Resp: 148197
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 67.0 33.1 99.5





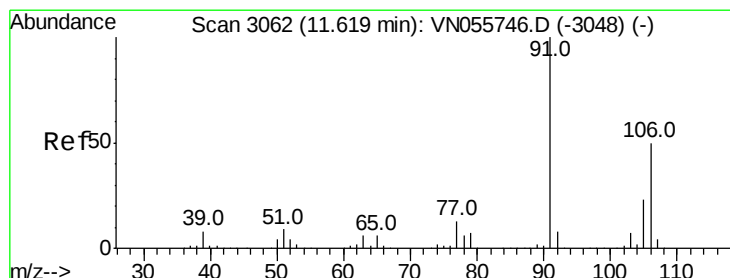
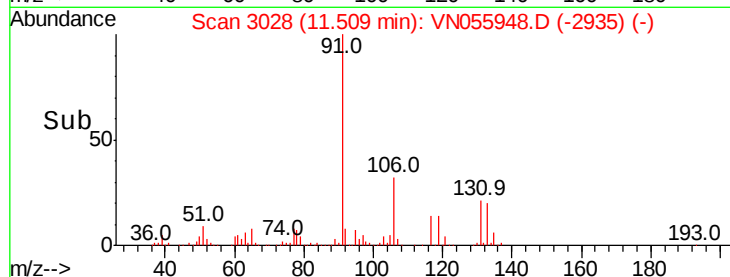
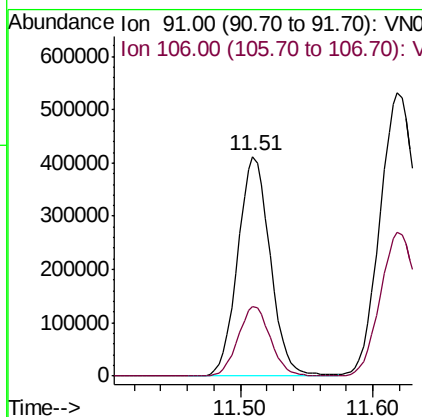
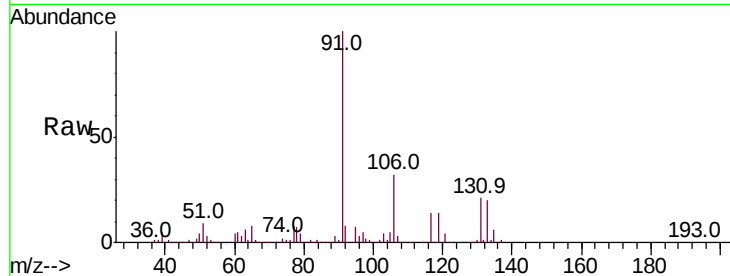
#67
Ethyl Benzene
Concen: 47.746 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 701947
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

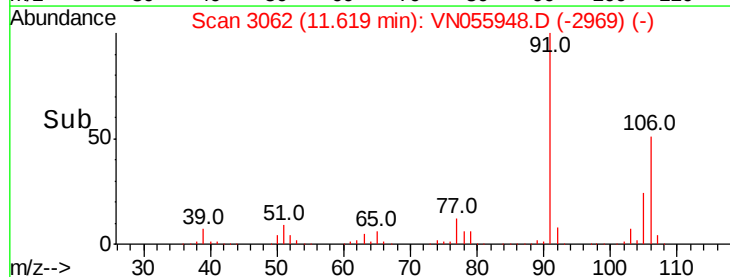
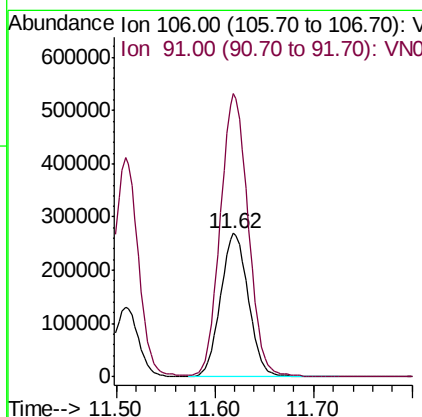
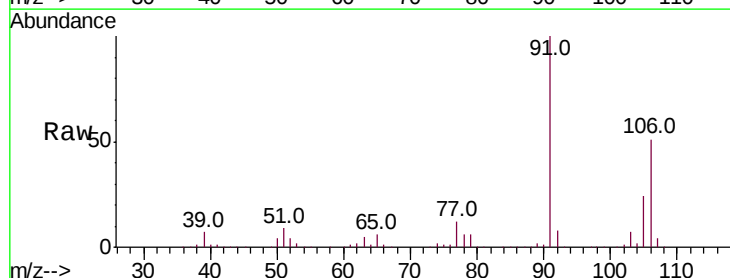
Manual Integrations
APPROVED

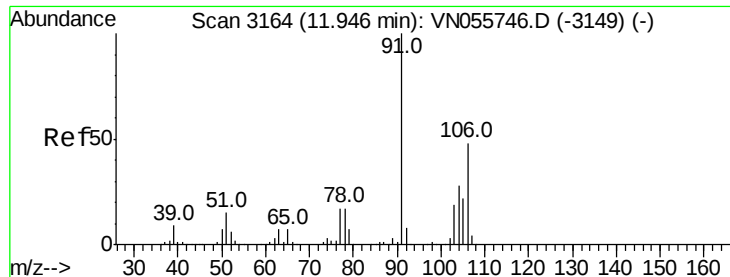
MMDadoda
6/3/2019 4:12:44 PM



#68
m/p-Xylenes
Concen: 96.302 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion: 106 Resp: 535235
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





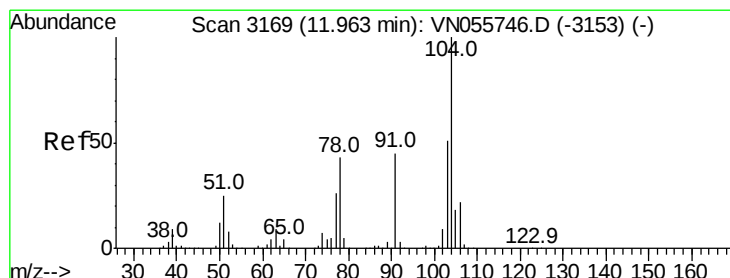
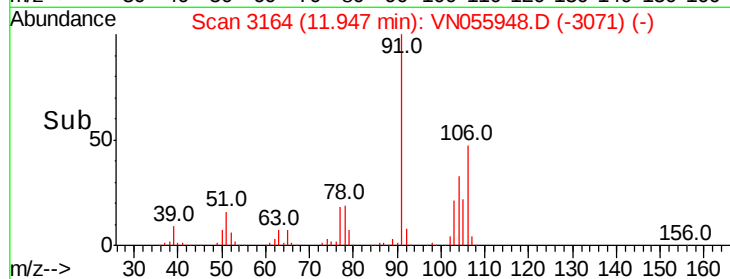
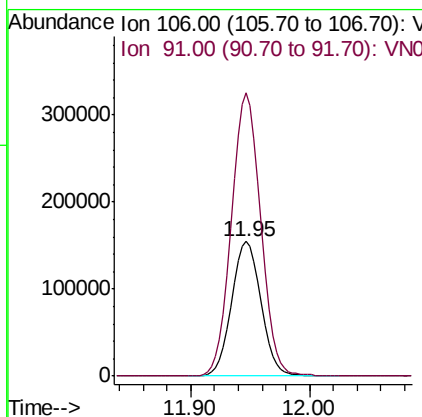
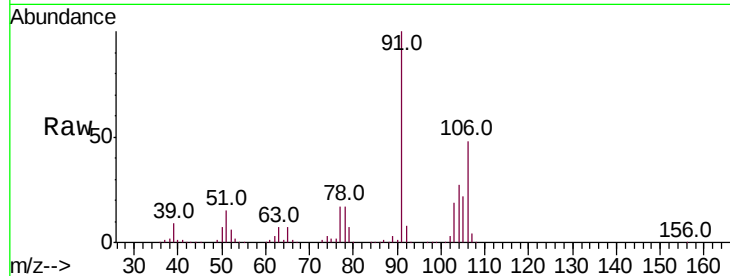
#69
o-Xylene
Concen: 48.184 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 265695
Ion Ratio Lower Upper
106 100
91 209.0 104.7 314.1

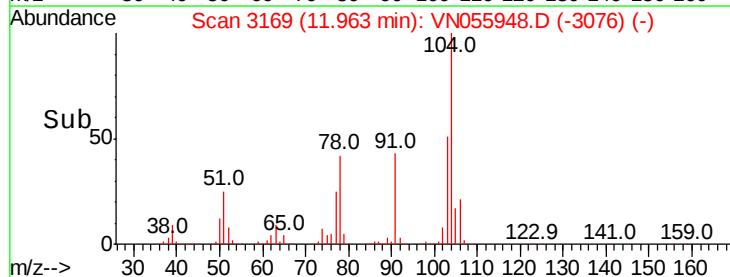
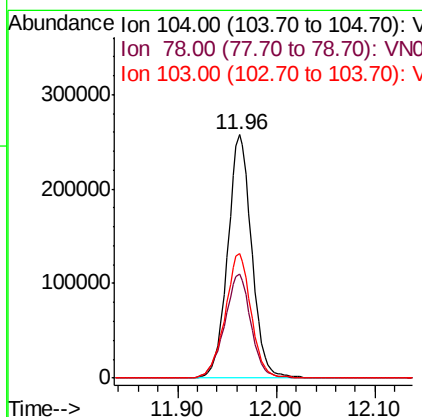
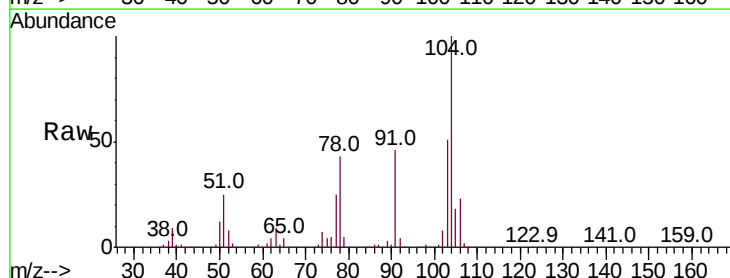
Manual Integrations
APPROVED

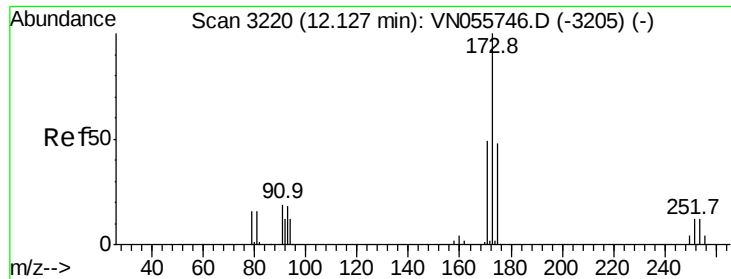
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#70
Styrene
Concen: 49.107 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion:104 Resp: 438513
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.2 44.2 66.2





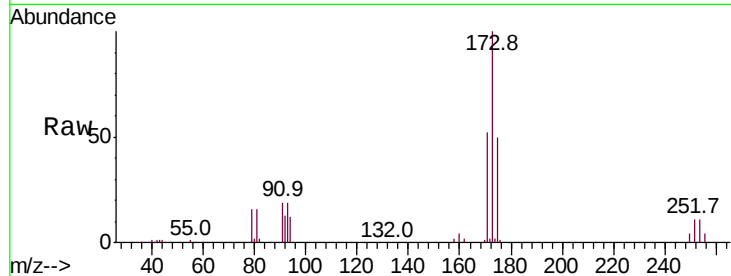
#71
Bromoform
Concen: 39.949 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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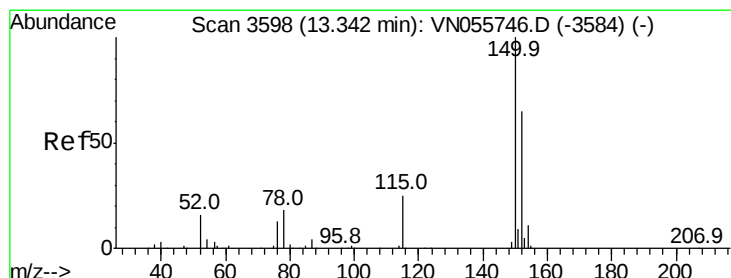
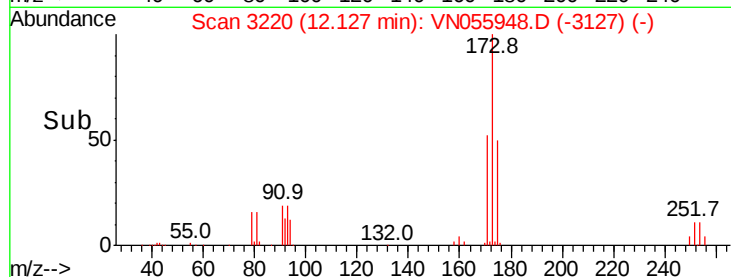
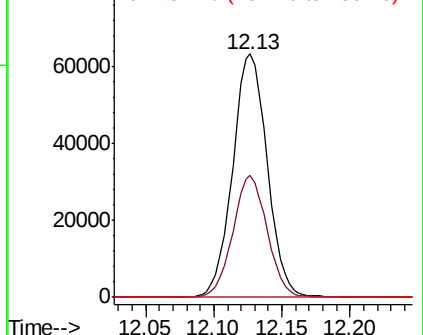


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

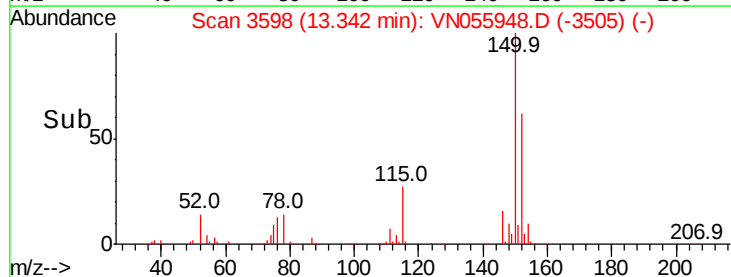
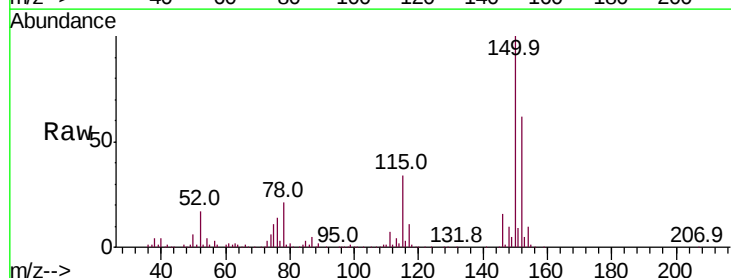
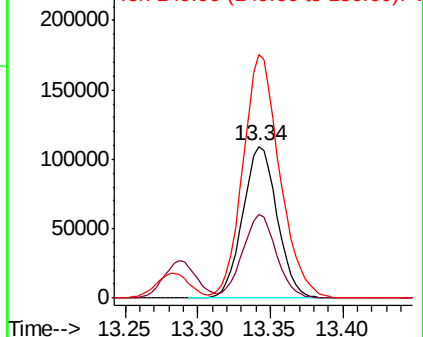
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.0	81.0
150	171.9	0.0	343.2

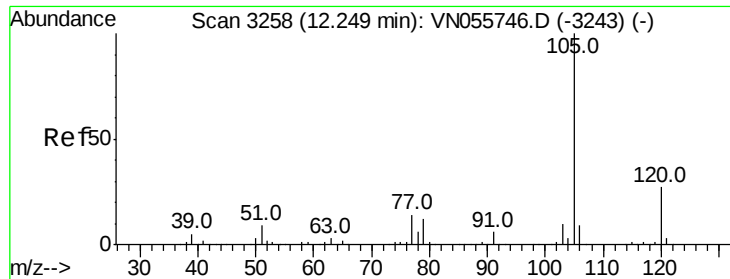
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.591 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 697530

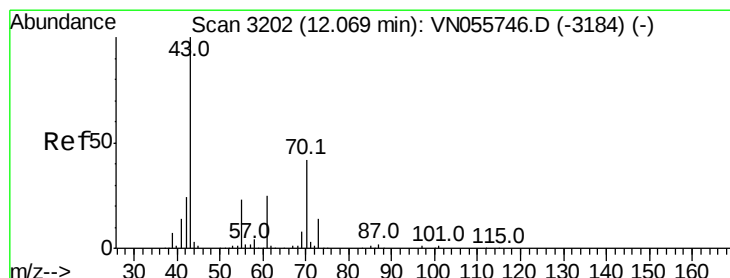
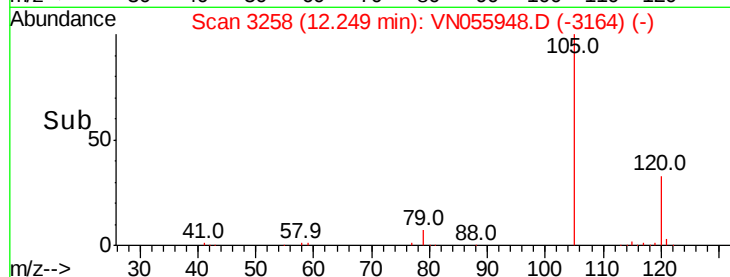
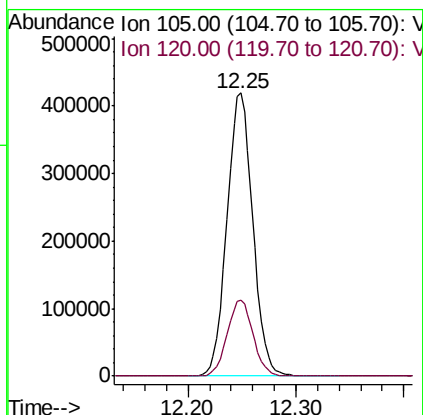
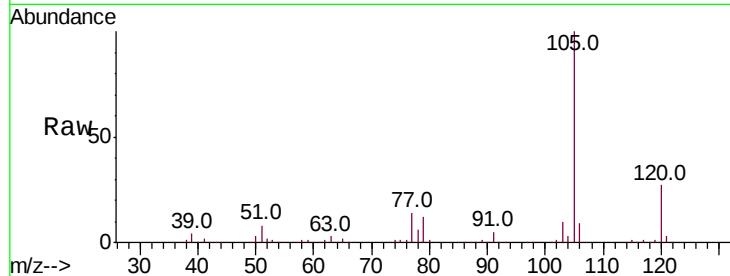
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 51.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion: 43 Resp: 252096

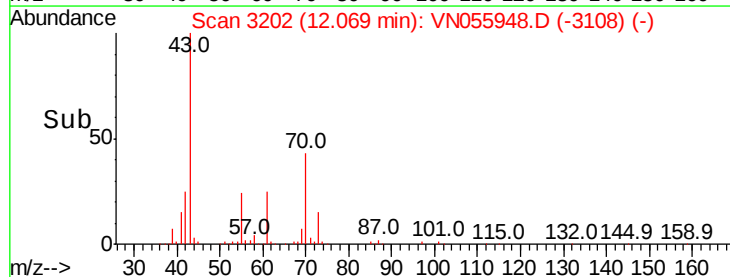
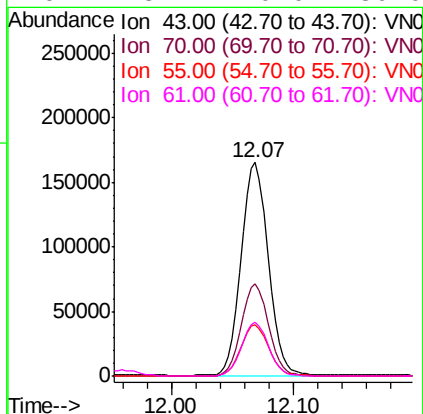
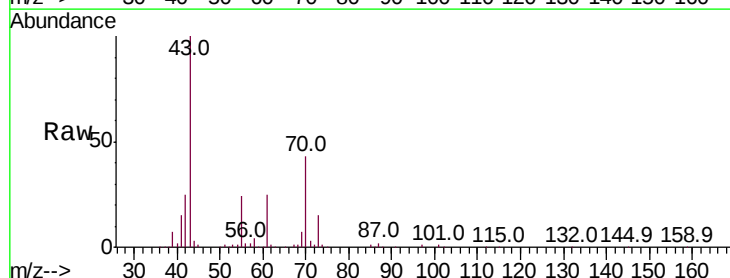
Ion Ratio Lower Upper

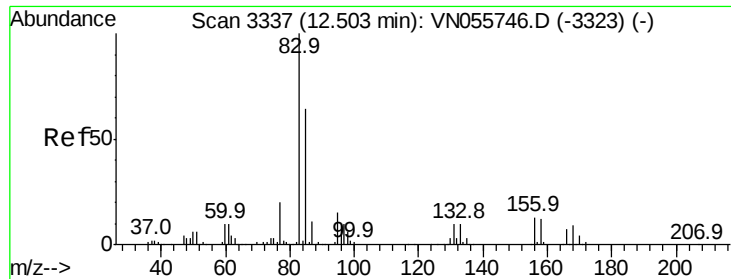
43 100

70 43.6 34.0 51.0

55 25.0 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.190 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

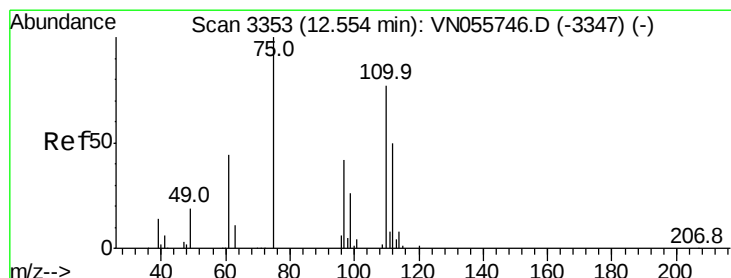
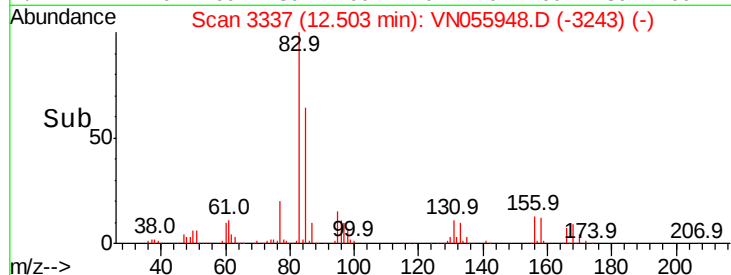
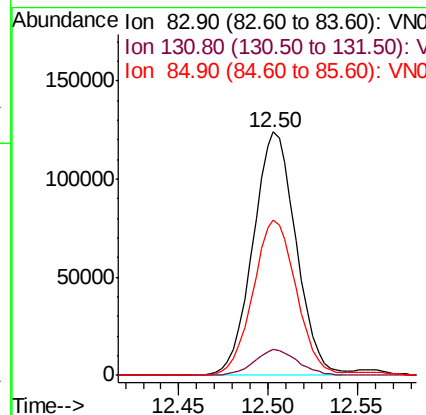
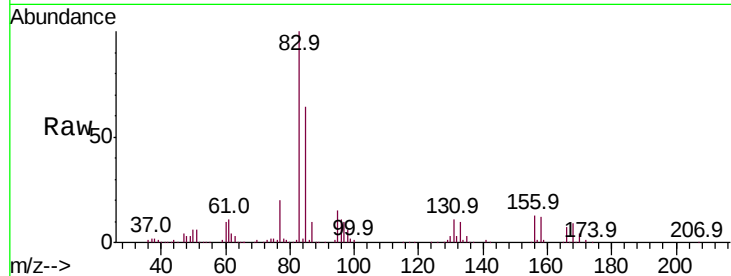
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	208491
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 55.881 ug/l m

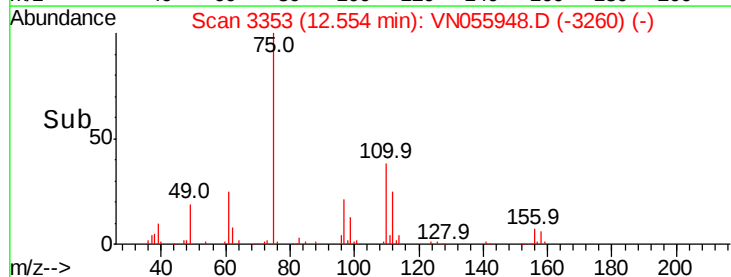
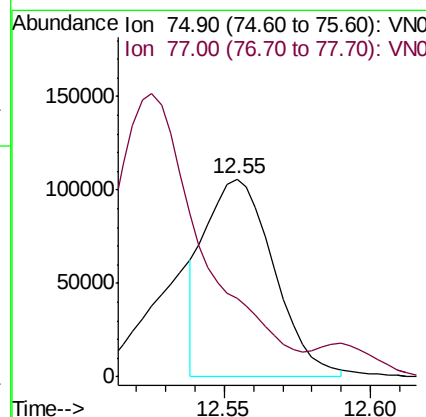
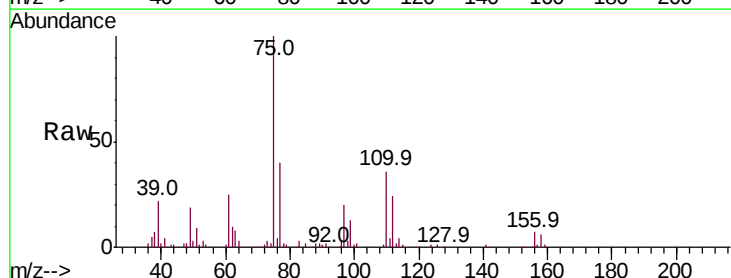
RT: 12.55 min Scan# 3353

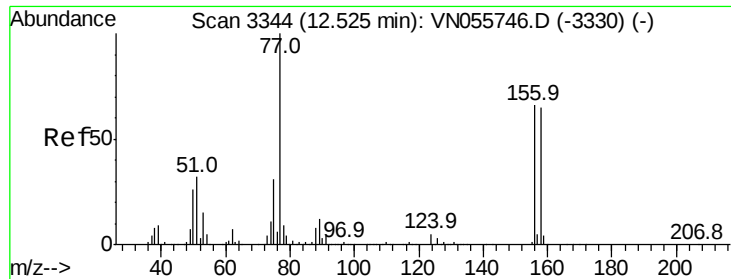
Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion:	75	Resp:	172465
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.706 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 191384

Ion Ratio Lower Upper

156 100

77 170.8 90.8 272.5

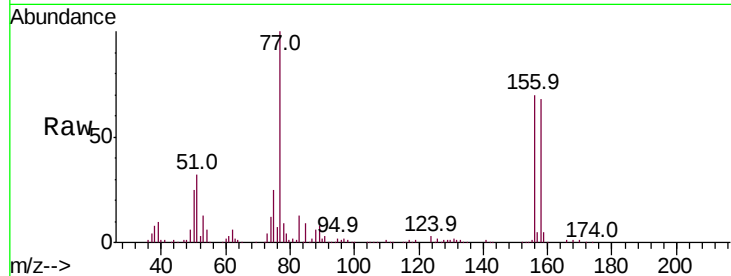
158 94.3 49.3 147.8

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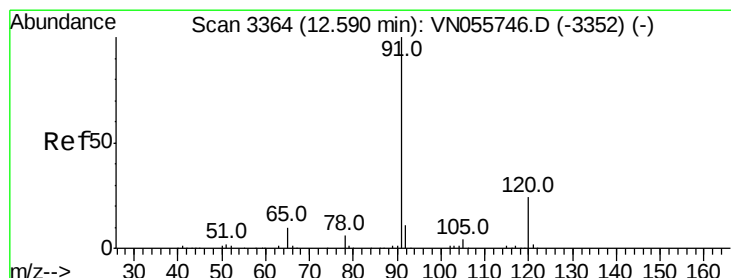
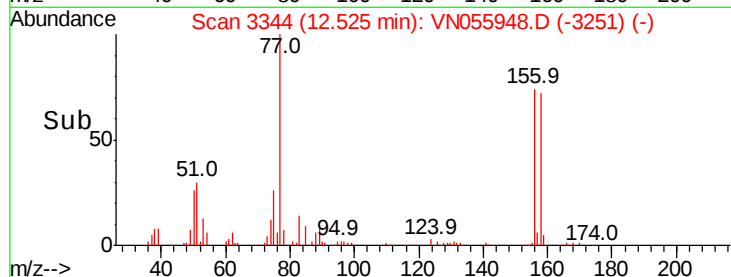
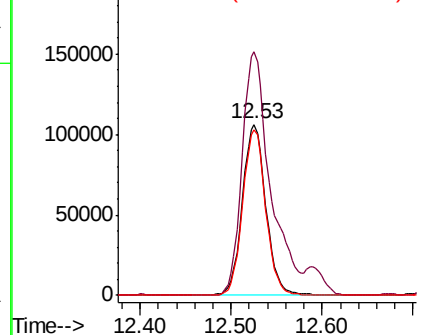
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.946 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055948.D

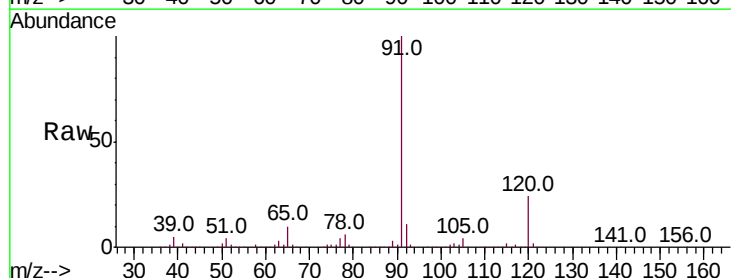
Acq: 1 Jun 2019 4:56

Tgt Ion: 91 Resp: 736210

Ion Ratio Lower Upper

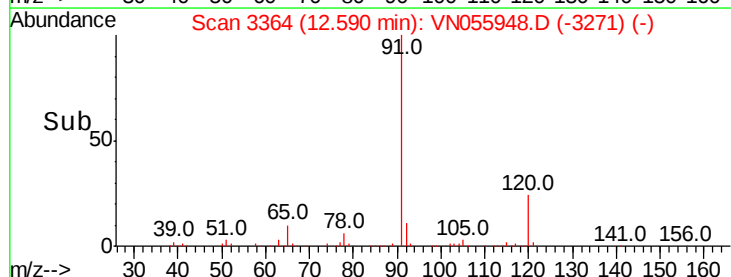
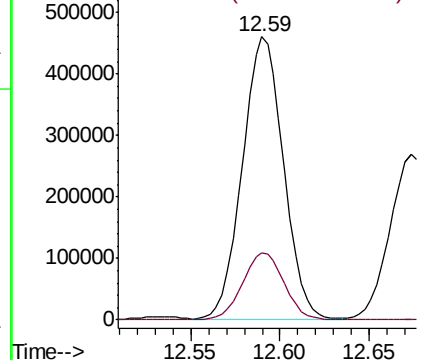
91 100

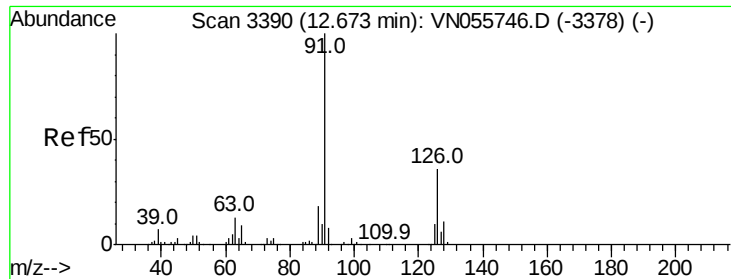
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.506 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 450463

Ion Ratio Lower Upper

91 100

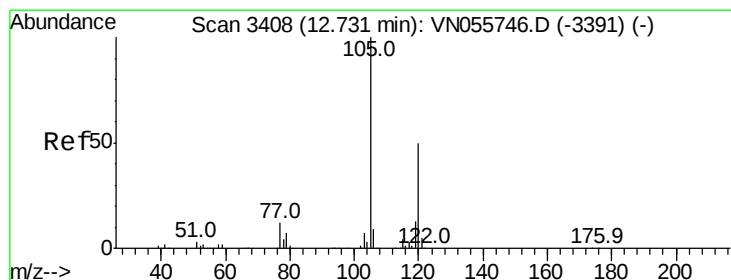
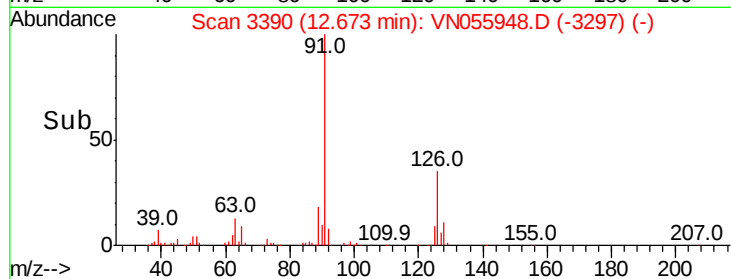
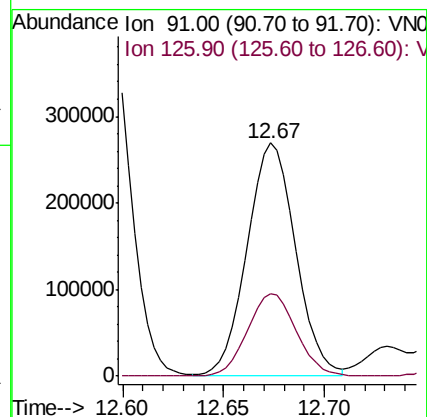
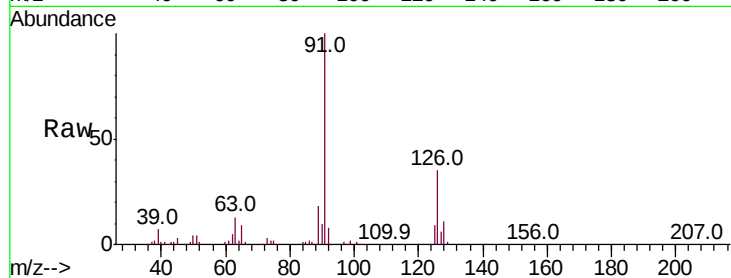
126 36.0 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 53.158 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055948.D

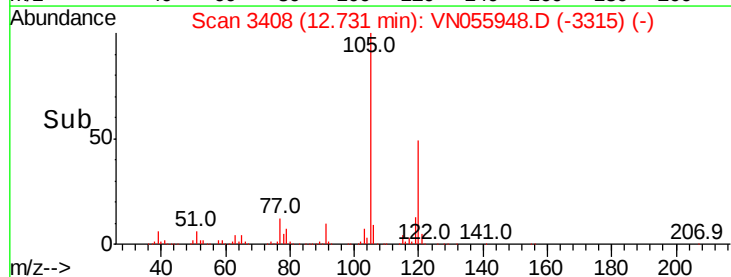
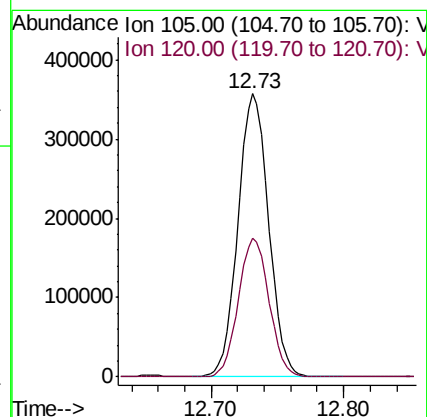
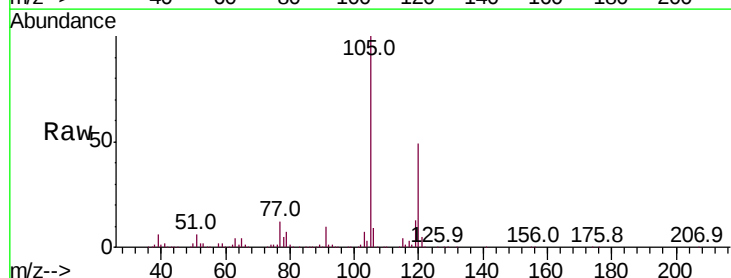
Acq: 1 Jun 2019 4:56

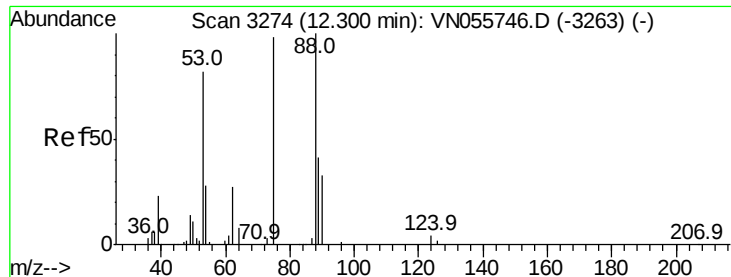
Tgt Ion: 105 Resp: 572550

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1





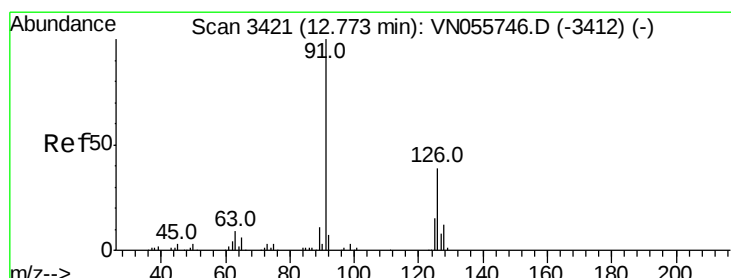
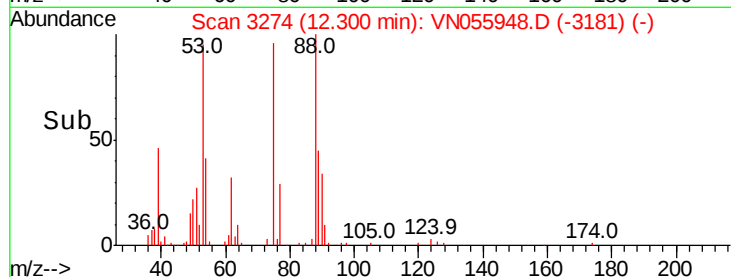
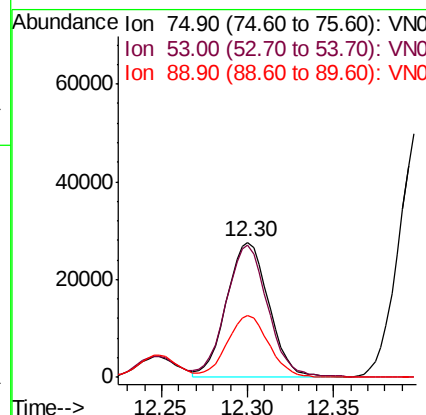
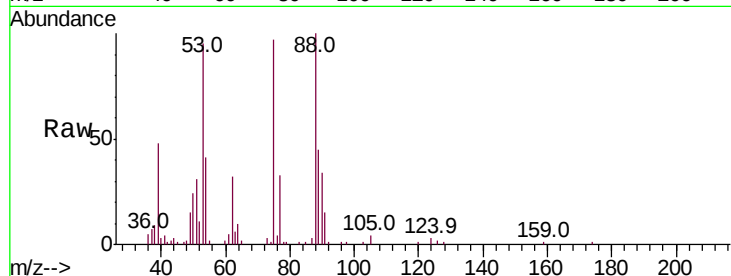
#81
trans-1,4-Dichloro-2-butene
Concen: 35.484 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	68.1	102.1
89	44.8	36.9	55.3

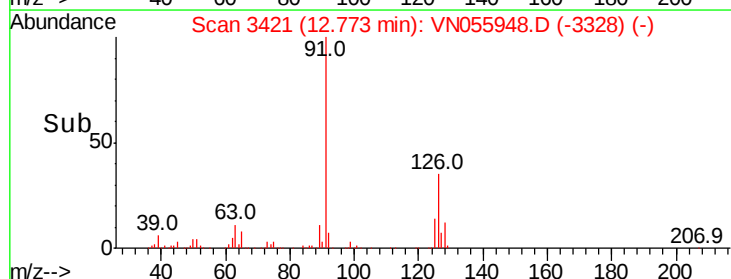
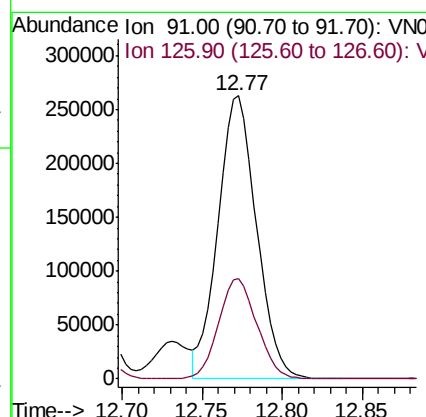
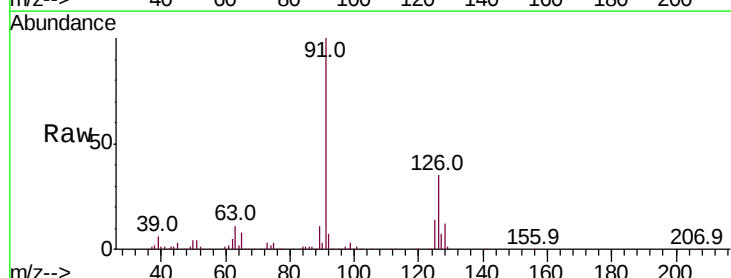
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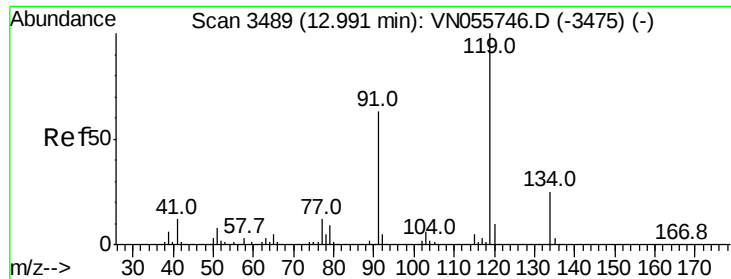
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#82
4-Chlorotoluene
Concen: 47.132 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3





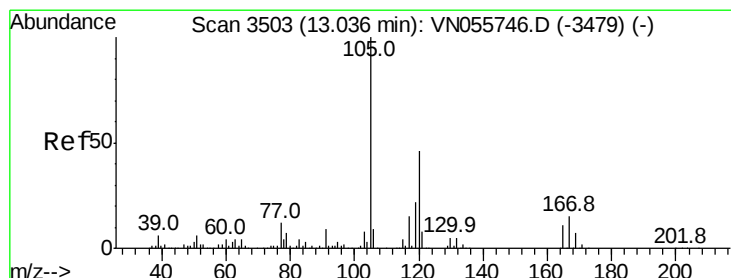
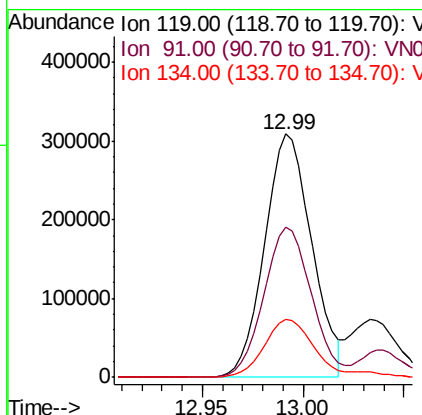
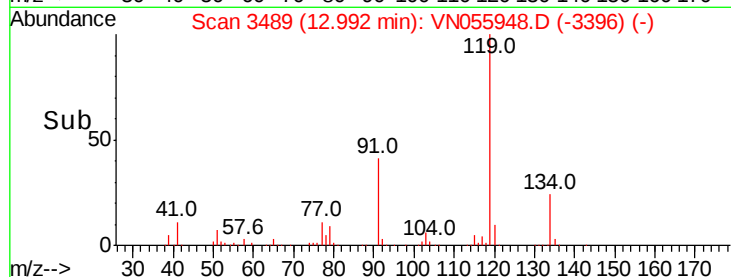
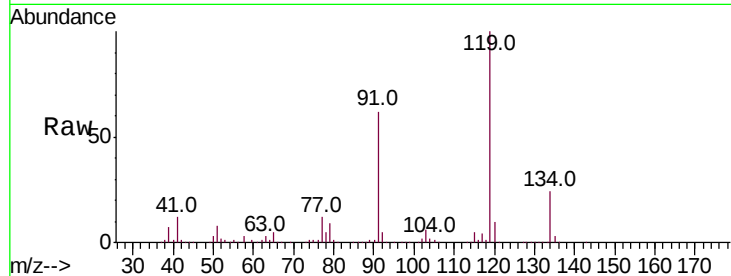
#83
tert-Butylbenzene
Concen: 53.932 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	501427		
91	62.1	30.9	92.8	
134	26.3	13.3	39.8	

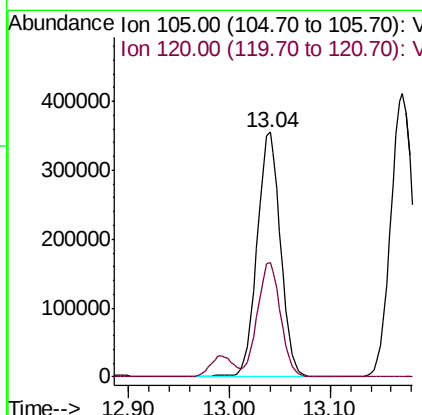
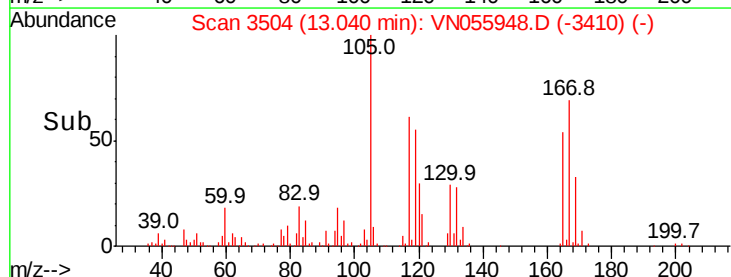
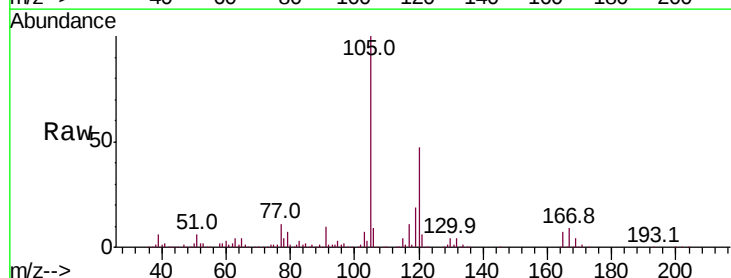
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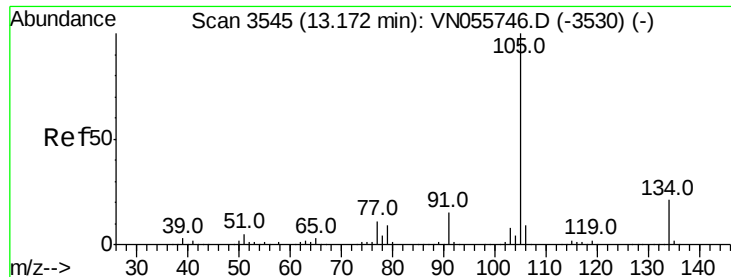
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.706 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567115		
120	46.5	23.0	69.0	





#85

sec-Butylbenzene

Concen: 53.375 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 646375

Ion Ratio Lower Upper

105 100

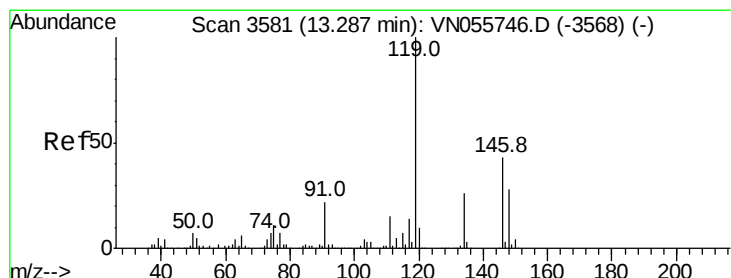
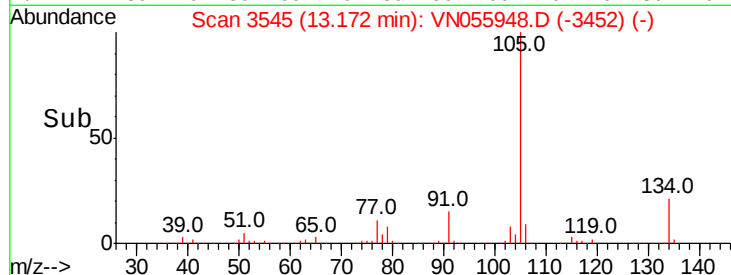
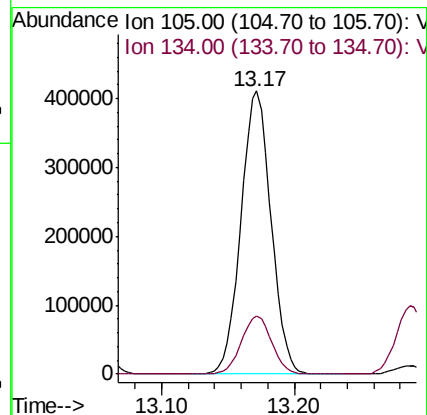
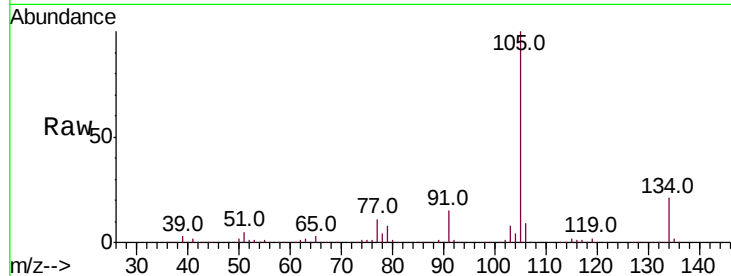
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 46.435 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

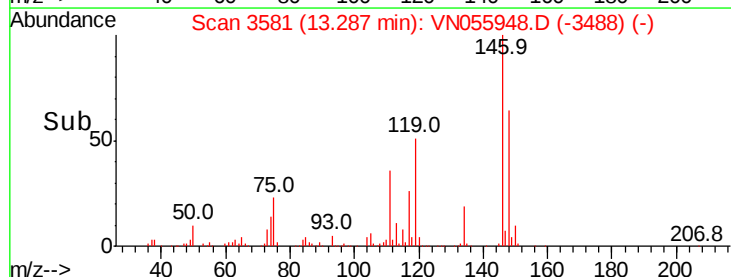
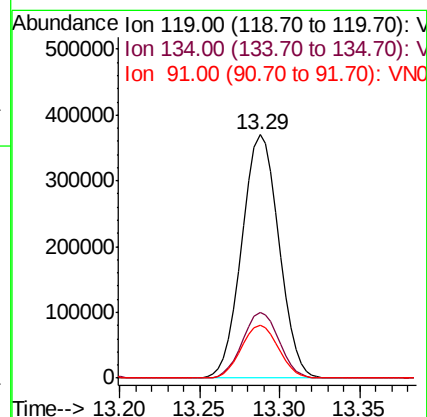
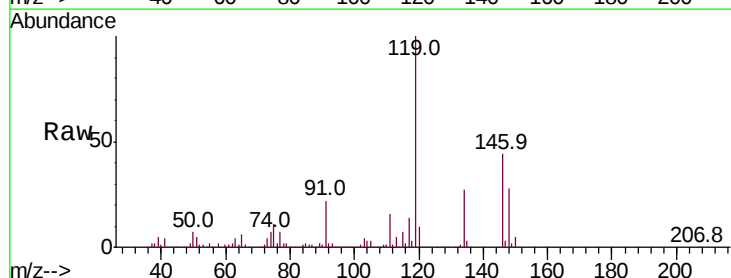
Tgt Ion:119 Resp: 581855

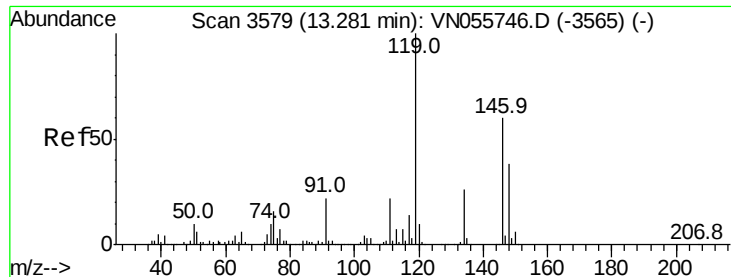
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.7 10.9 32.9





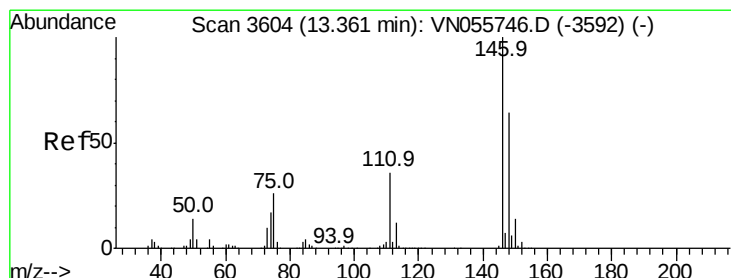
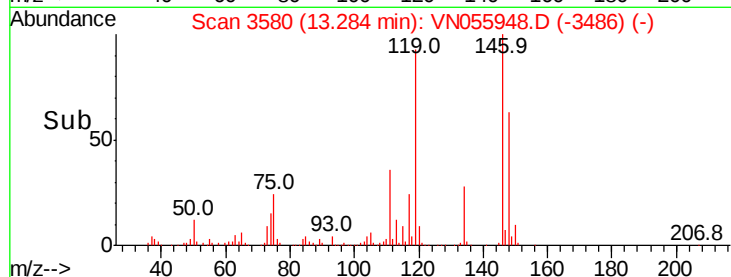
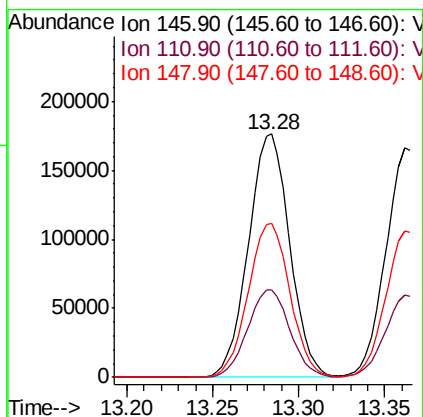
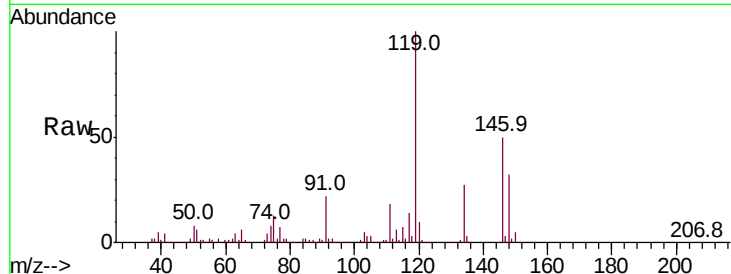
#87
 1,3-Dichlorobenzene
 Concen: 48.120 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.5	55.5
148	64.2	32.0	96.2

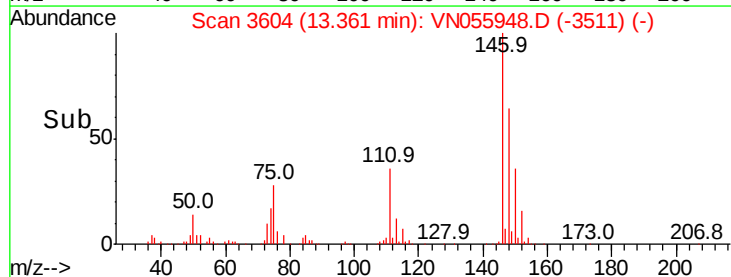
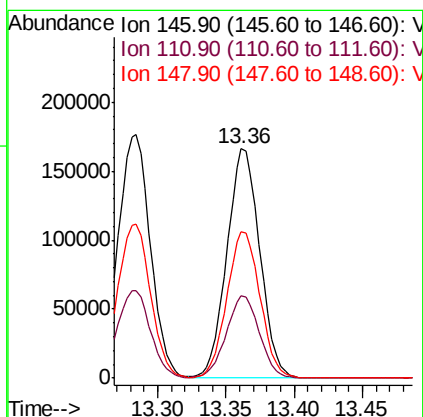
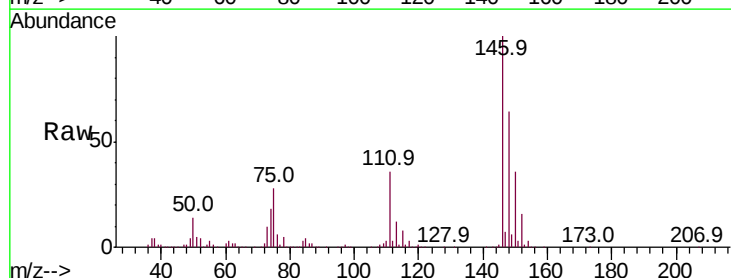
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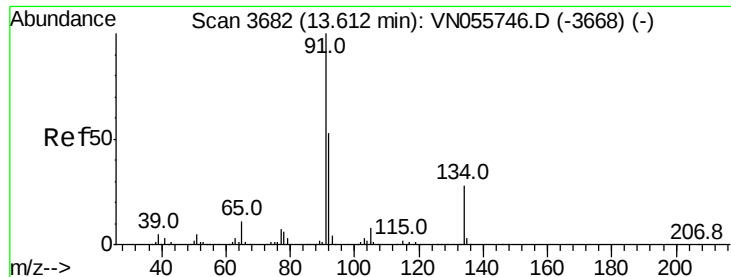
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#88
 1,4-Dichlorobenzene
 Concen: 48.201 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

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





#89

n-Butylbenzene

Concen: 46.428 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Instrument :

MSVOA_N

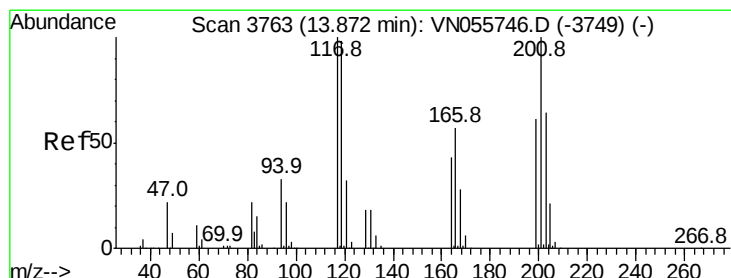
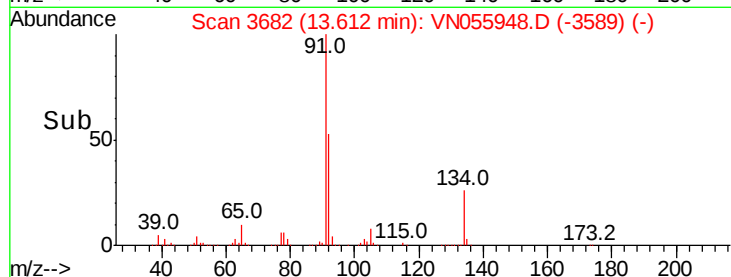
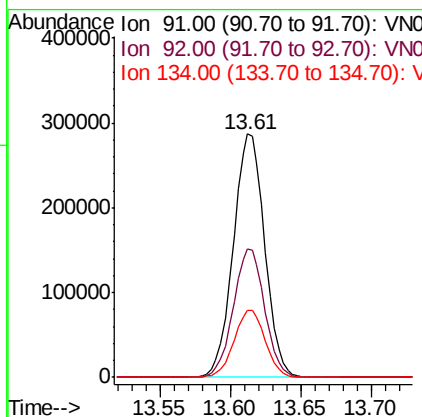
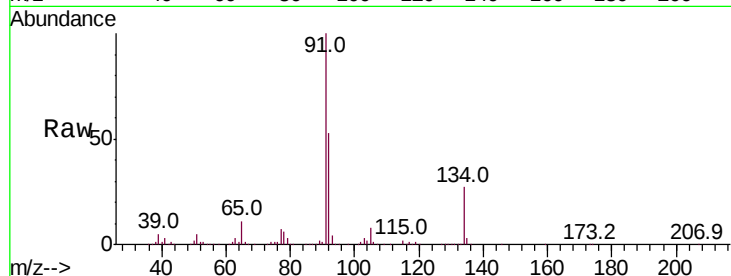
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	445751
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.4	79.0
134	27.6	13.9	41.7

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#90

Hexachloroethane

Concen: 39.356 ug/l

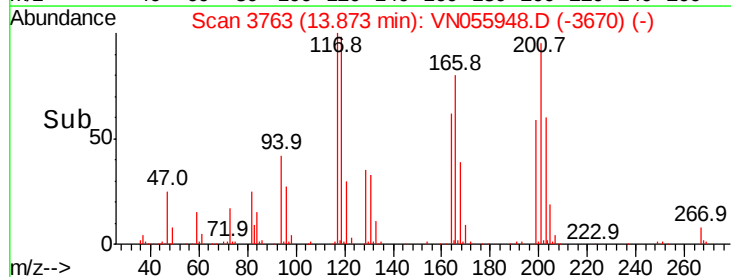
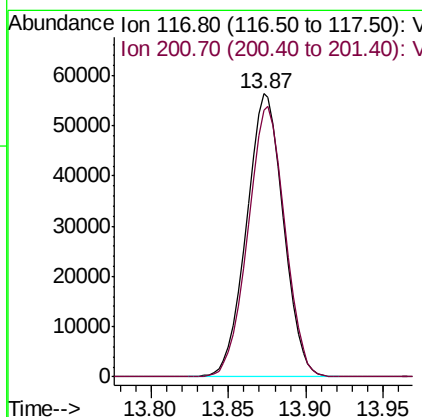
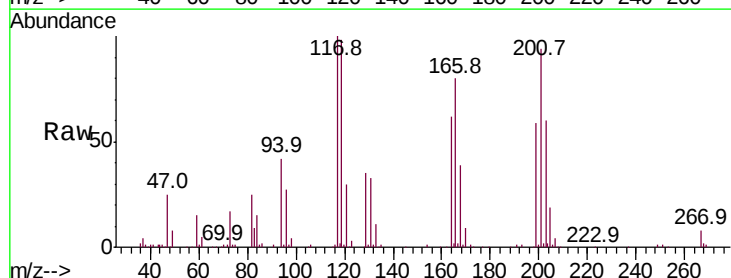
RT: 13.87 min Scan# 3763

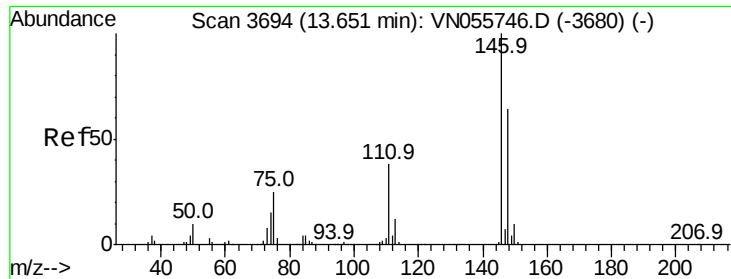
Delta R.T. 0.00 min

Lab File: VN055948.D

Acq: 1 Jun 2019 4:56

Tgt Ion:	117	Resp:	93865
Ion Ratio	Lower	Upper	
117	100		
201	95.5	50.0	150.0





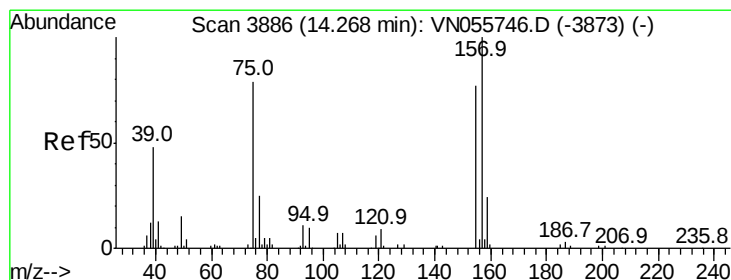
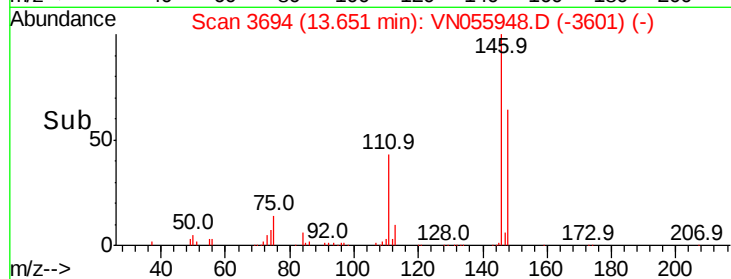
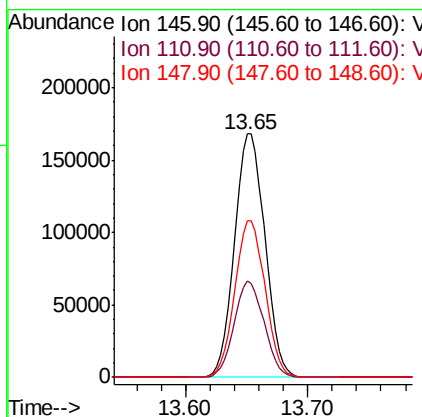
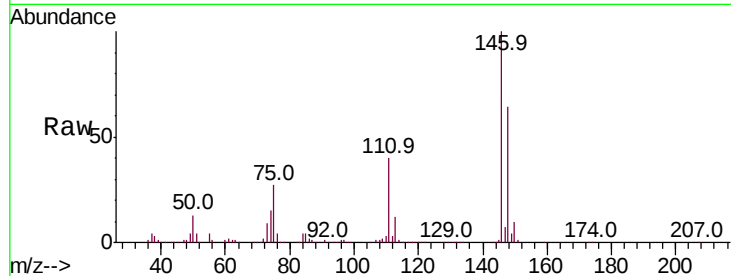
#91
 1,2-Dichlorobenzene
 Concen: 47.729 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	290317		
111	39.1	19.1	57.5	
148	63.9	31.9	95.9	

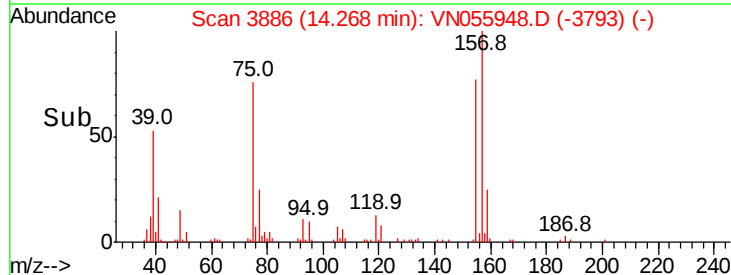
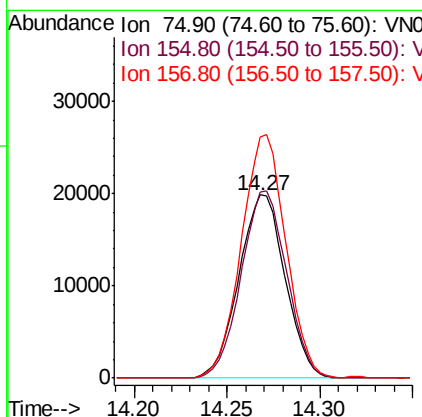
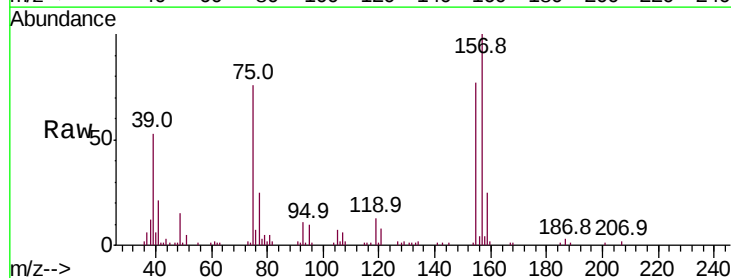
Manual Integrations
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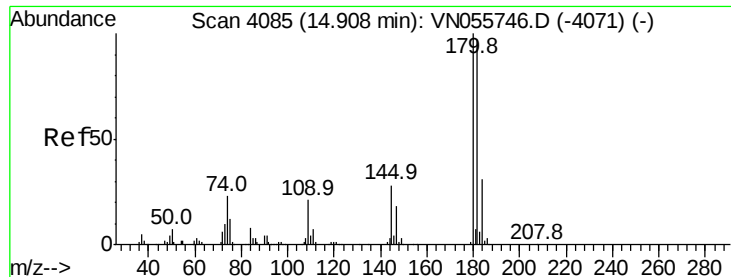
MMDadoda
 6/3/2019 4:12:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.993 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34372		
155	100.3	50.0	150.1	
157	127.8	64.8	194.3	





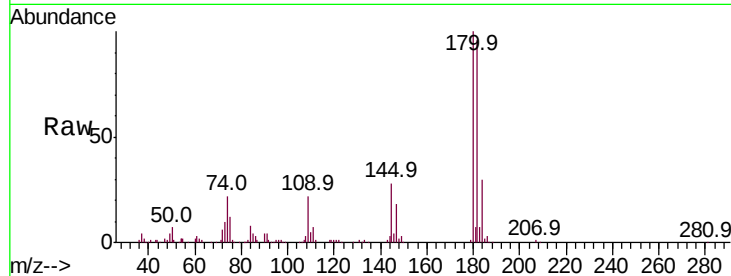
#93
 1,2,4-Trichlorobenzene
 Concen: 42.544 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146839		
182	96.1	48.3	144.9	
145	28.2	14.0	41.9	

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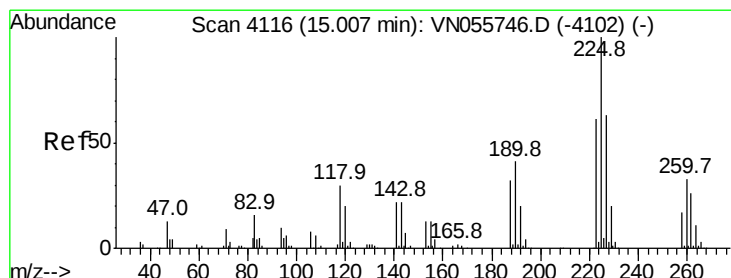
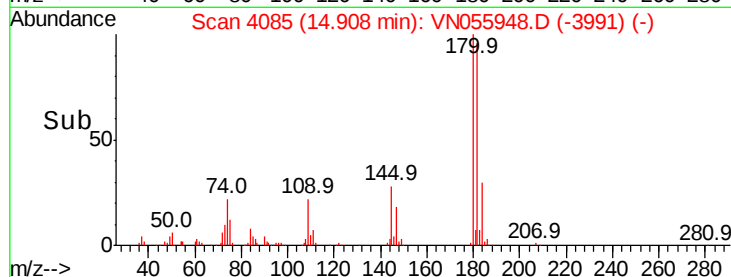
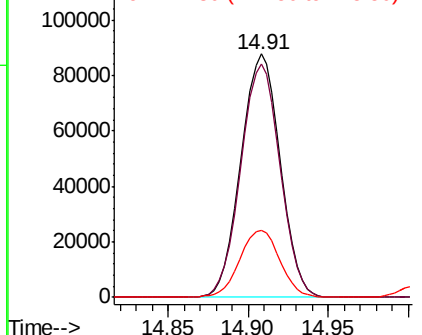


Abundance

Ion 179.80 (179.50 to 180.50): V

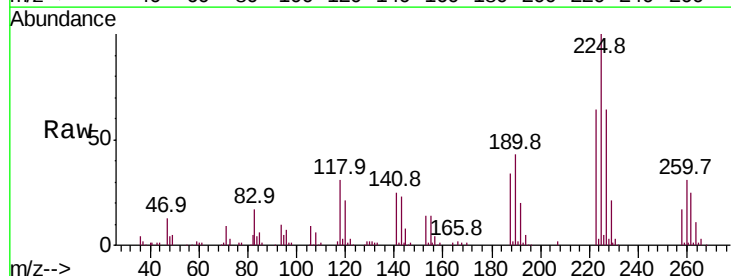
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.680 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055948.D
 Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98122		
223	63.1	30.9	92.7	
227	63.9	31.6	94.7	

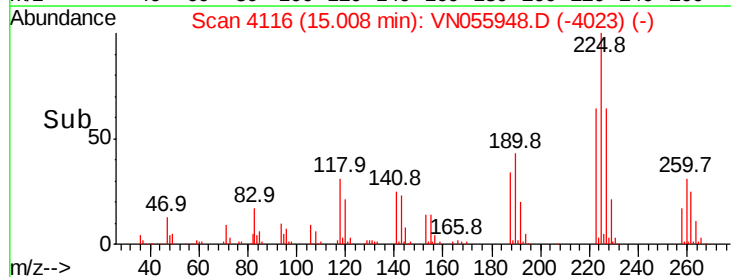
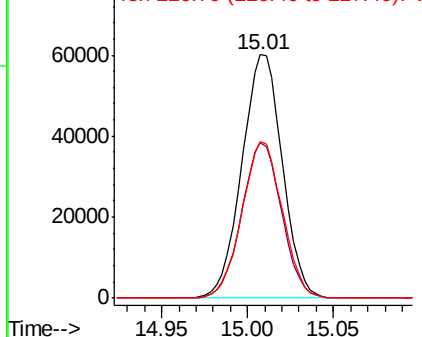


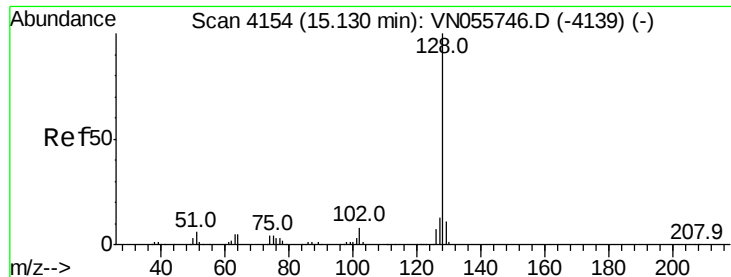
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





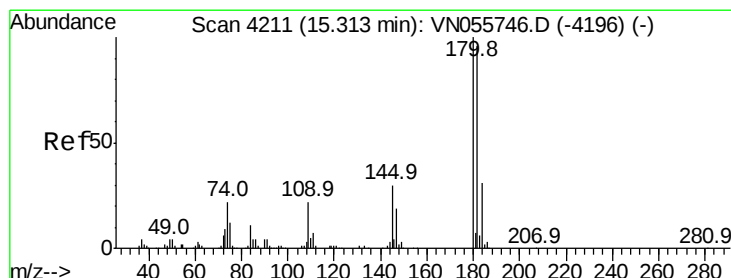
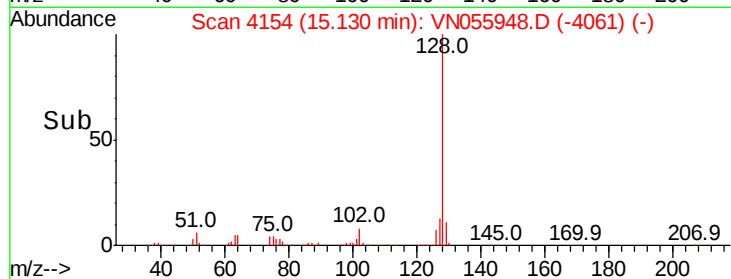
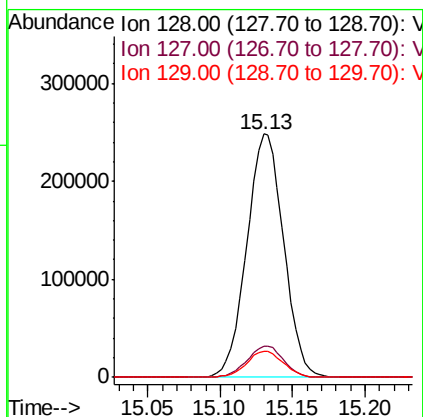
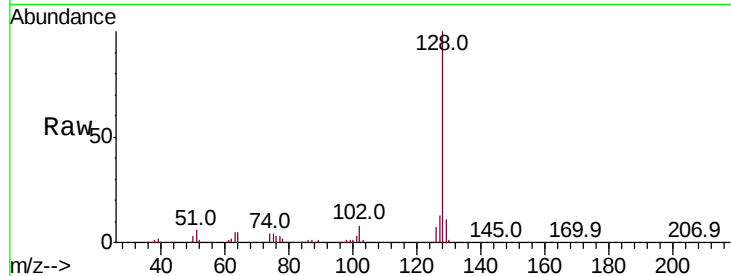
#95
Naphthalene
Concen: 52.544 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 50.717 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055948.D
Acq: 1 Jun 2019 4:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.7
145	30.4	14.9	44.7

