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 Data File : VN070197.D
 Acq On : 18 Dec 2021 6:14
 Operator : JC/MD
 Sample : M5115-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:24:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

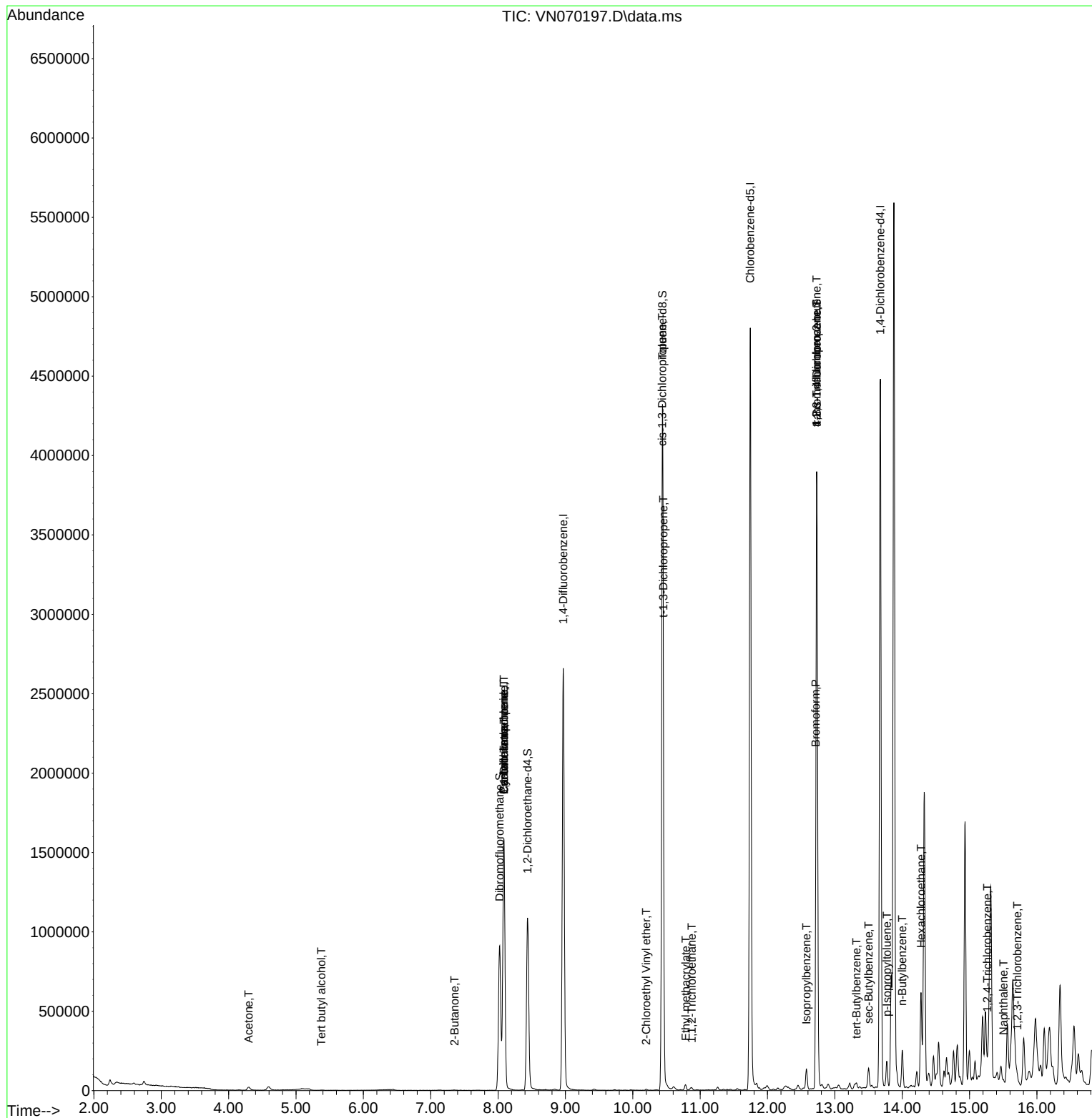
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1188570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2244218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2643242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1172867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	946795	51.592	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.180%
35) Dibromofluoromethane	8.024	113	669021	47.592	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.180%
50) Toluene-d8	10.440	98	2981407	52.820	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.640%
62) 4-Bromofluorobenzene	12.731	95	1371502	67.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	134.140%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.377	59	1292	0.372	ug/l	# 82
16) Acetone	4.296	43	37941	3.437	ug/l	98
25) 2-Butanone	7.353	43	3300	0.220	ug/l	95
31) Cyclohexane	8.086	56	30149	1.181	ug/l	# 20
36) 1,1-Dichloropropene	8.086	75	100609	4.709	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	120063	5.731	ug/l	# 16
53) t-1,3-Dichloropropene	10.454	75	400	2.809	ug/l	# 1
54) cis-1,3-Dichloropropene	10.435	75	212	2.006	ug/l	# 1
55) 1,1,2-Trichloroethane	10.875	97	3904	0.243	ug/l	# 15
56) Ethyl methacrylate	10.786	69	3508	2.389	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	10.199	63	79	18.398	ug/l	# 45
71) Bromoform	12.717	173	999	2.789	ug/l	# 29
73) Isopropylbenzene	12.578	105	81275	0.779	ug/l	99
76) 1,2,3-Trichloropropane	12.731	75	753544	22.403	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	753544	71.429	ug/l	# 5
83) tert-Butylbenzene	13.321	119	15194	0.204	ug/l	90
85) sec-Butylbenzene	13.501	105	82123	0.814	ug/l	99
86) p-Isopropyltoluene	13.771	119	88168	1.118	ug/l	94
89) n-Butylbenzene	14.002	91	21550	0.337	ug/l	# 1
90) Hexachloroethane	14.278	117	253274	18.295	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	449	2.900	ug/l	# 1
95) Naphthalene	15.504	128	10283	4.150	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.710	180	417	2.457	ug/l	# 83

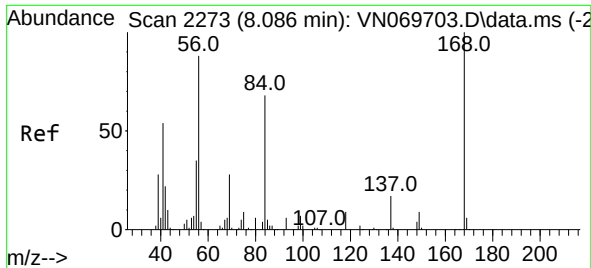
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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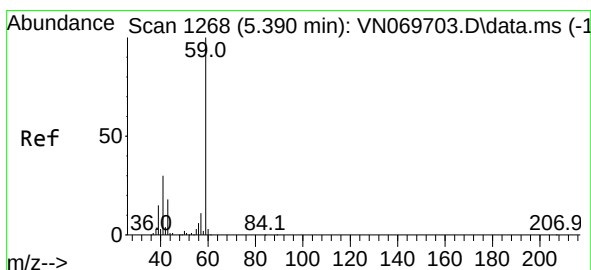
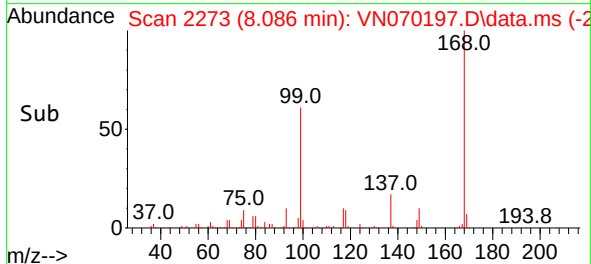
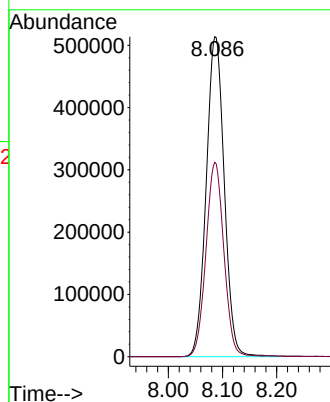
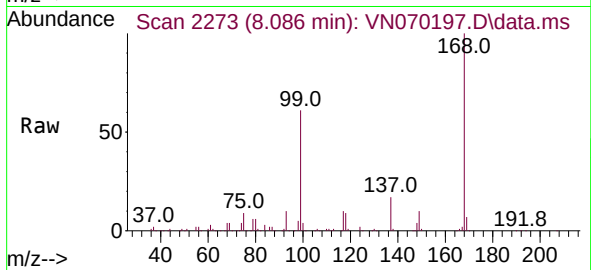




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

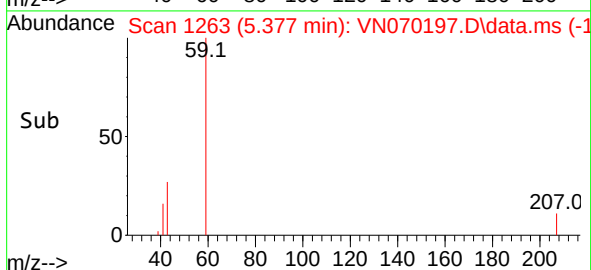
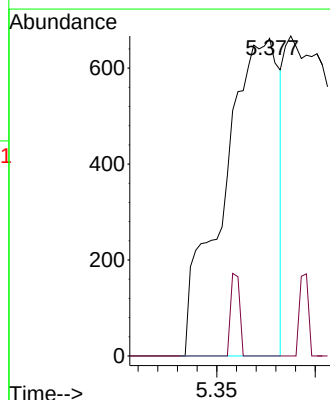
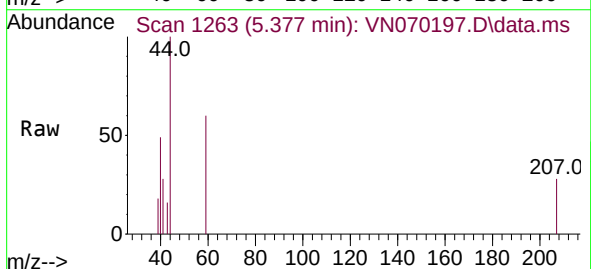
Instrument :
MSVOA_N
ClientSampleId :

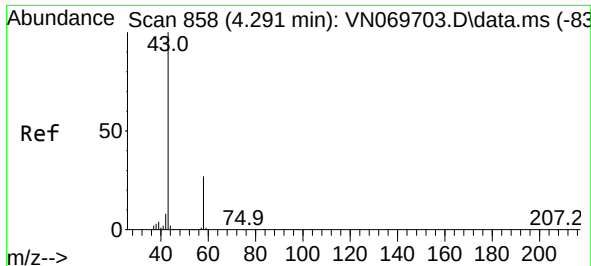
Tgt Ion:168 Resp: 1188570
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.372 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 59 Resp: 1292
Ion Ratio Lower Upper
59 100
57 4.2 8.7 13.1#

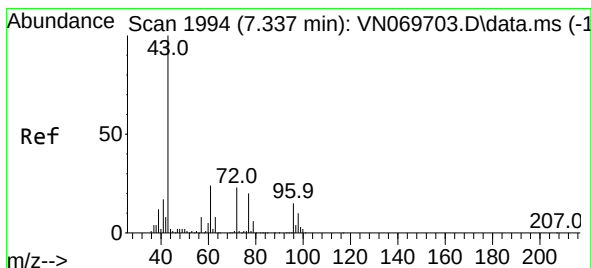
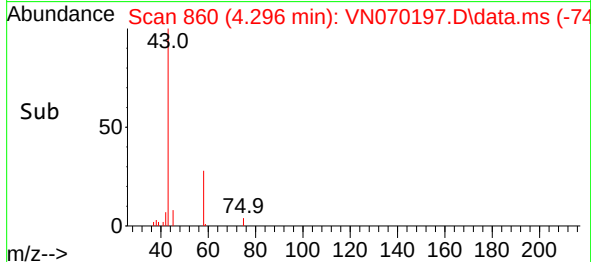
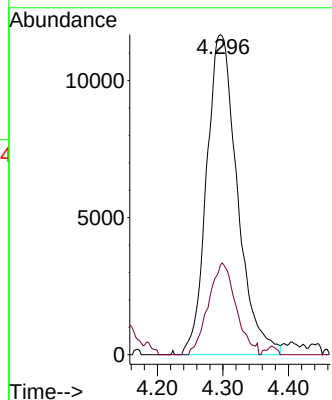
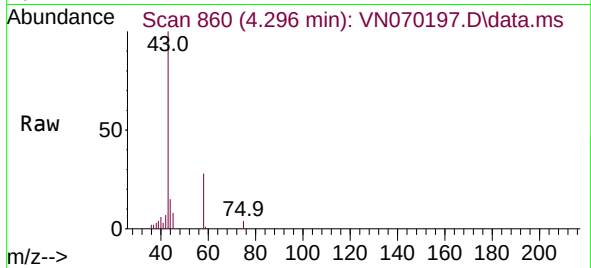




#16
Acetone
Concen: 3.437 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.005 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

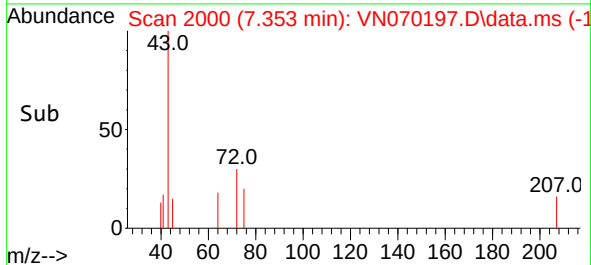
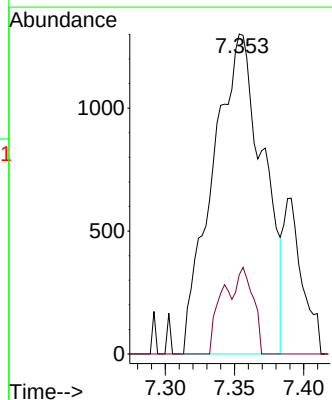
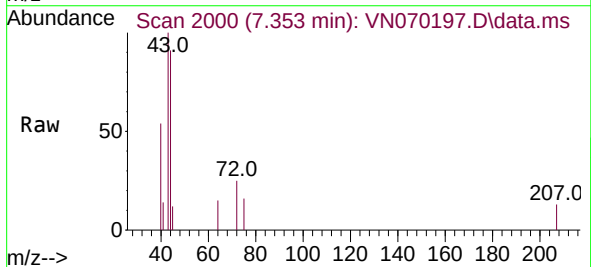
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ClientSampleId :

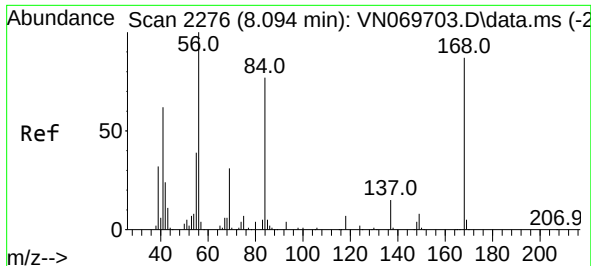
Tgt Ion: 43 Resp: 37941
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7



#25
2-Butanone
Concen: 0.220 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

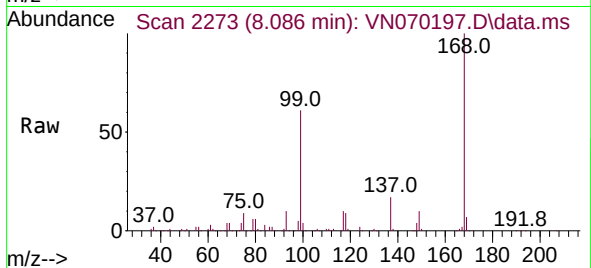
Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
72 24.7 21.7 32.5



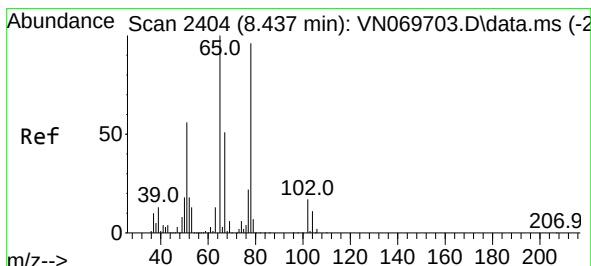
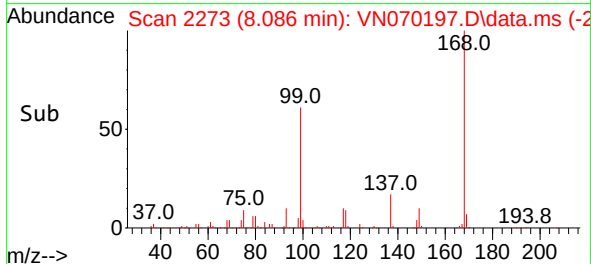
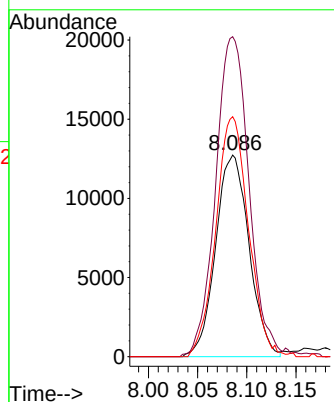


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :

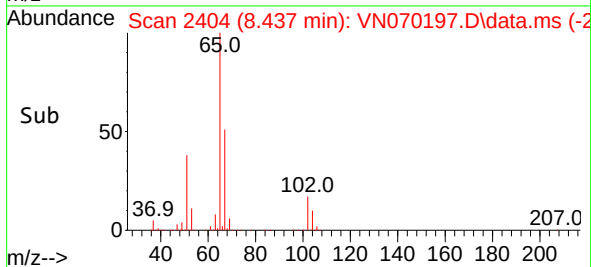
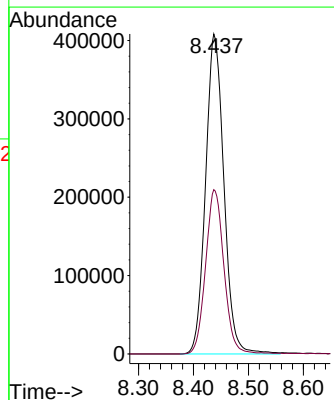
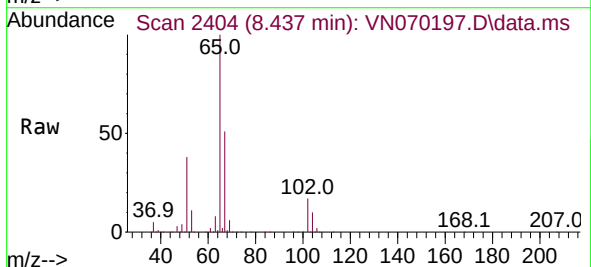


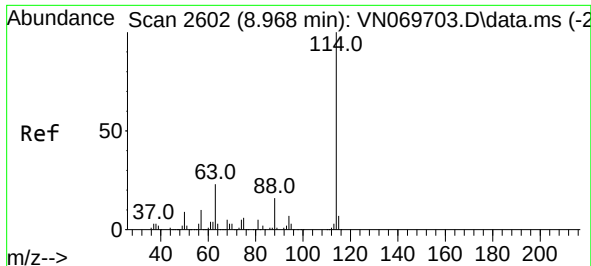
Tgt Ion: 56 Resp: 30149
Ion Ratio Lower Upper
56 100
69 158.8 27.1 40.7#
84 119.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.592 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

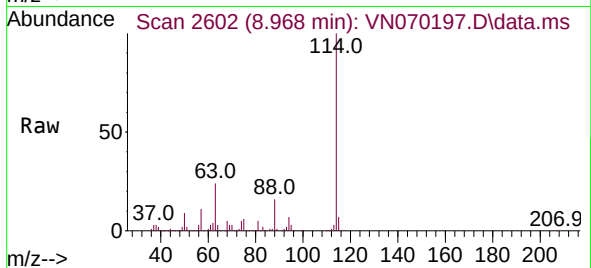
Tgt Ion: 65 Resp: 946795
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0



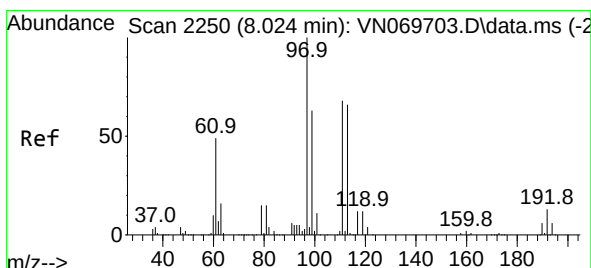
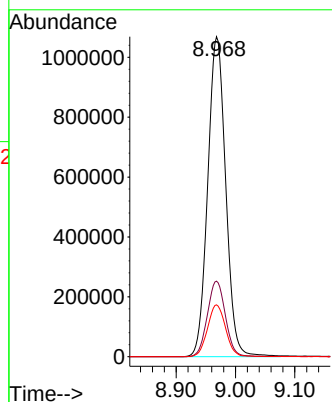
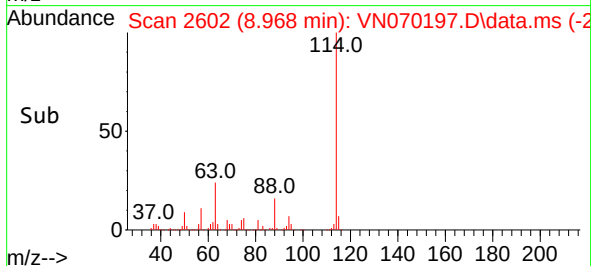


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Instrument :
MSVOA_N
ClientSampleId :

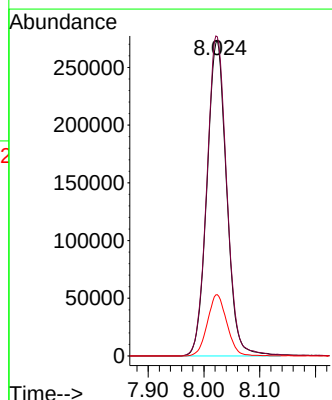
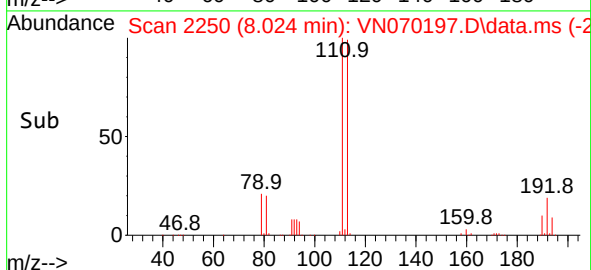
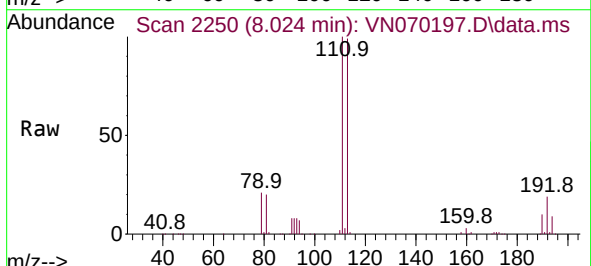


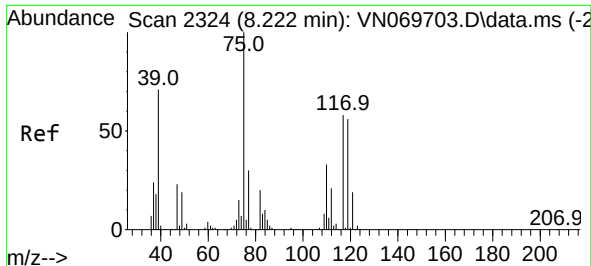
Tgt Ion:114 Resp: 2244218
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.592 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion:113 Resp: 669021
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.2 16.9 25.3

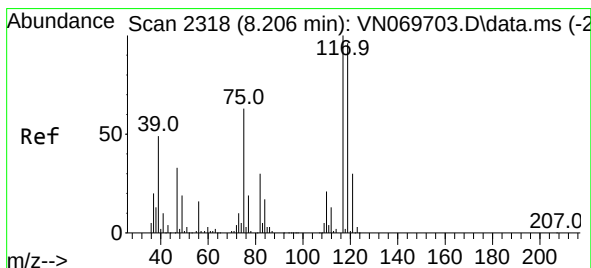
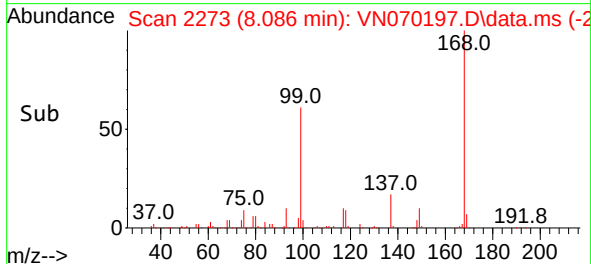
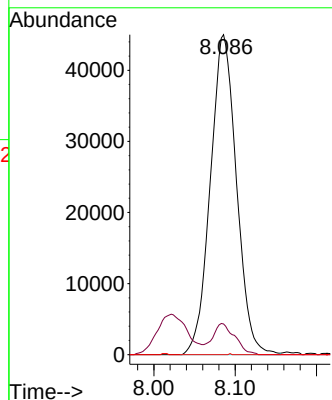
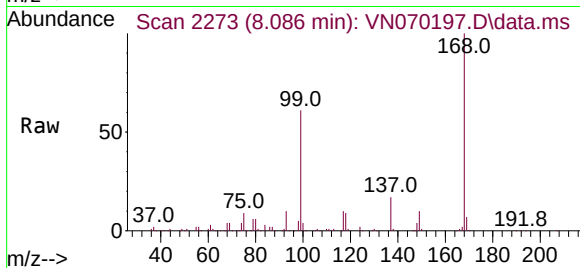




#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

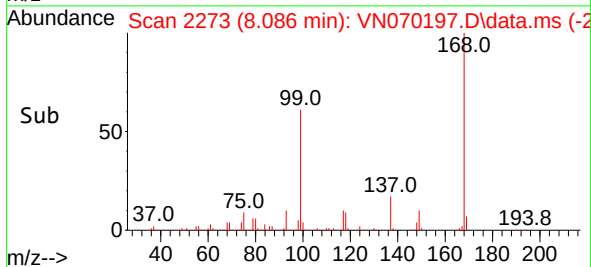
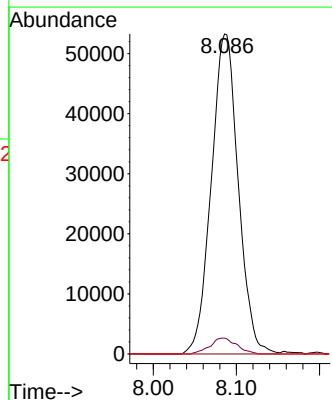
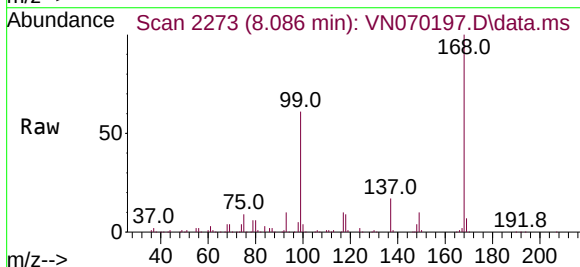
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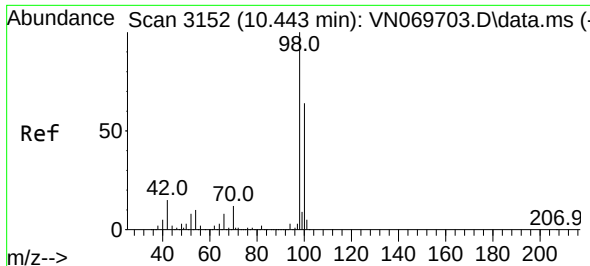
Tgt Ion: 75 Resp: 100609
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 117 Resp: 120063
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

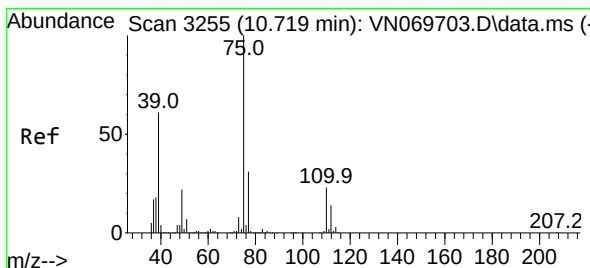
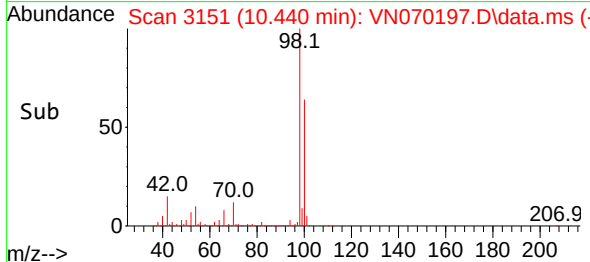
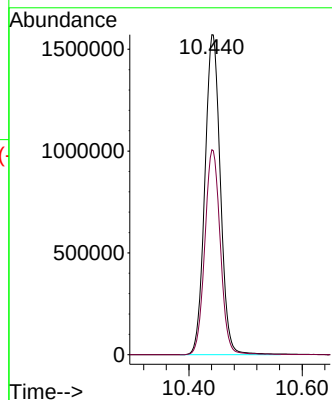
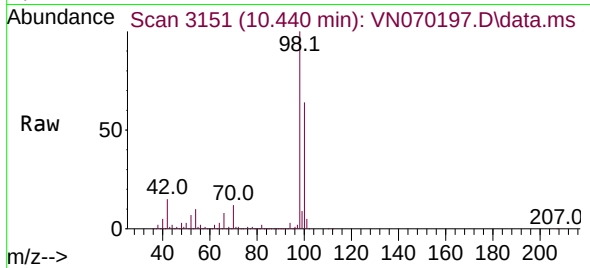




#50
Toluene-d8
Concen: 52.820 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

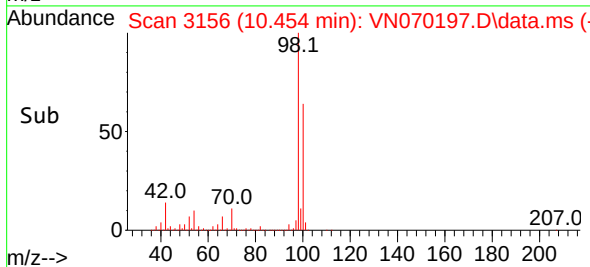
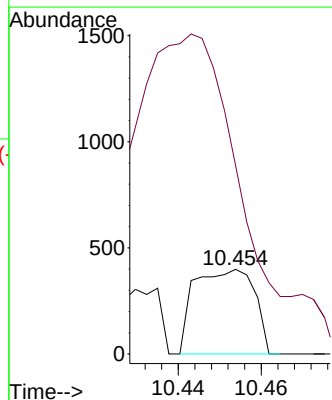
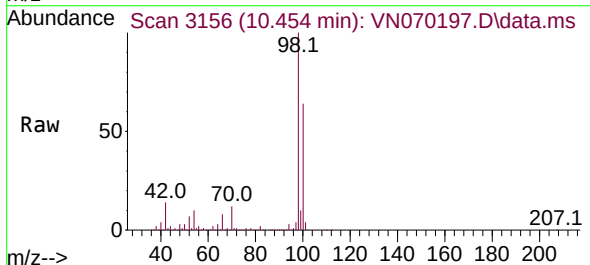
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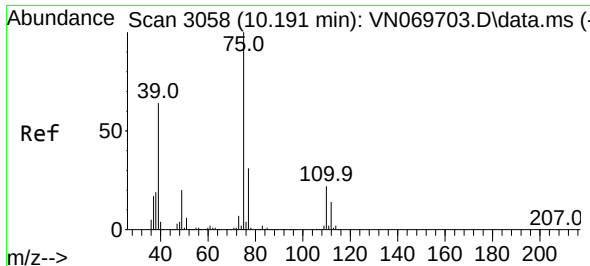
Tgt Ion: 98 Resp: 2981407
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.809 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.265 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

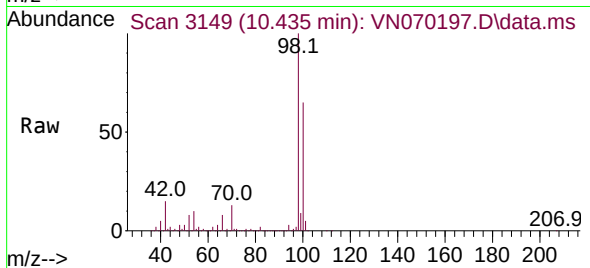
Tgt Ion: 75 Resp: 400
Ion Ratio Lower Upper
75 100
77 154.9 25.6 38.4#



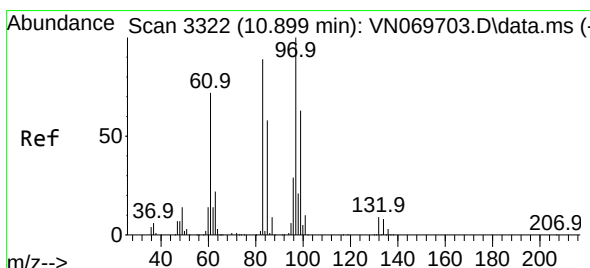
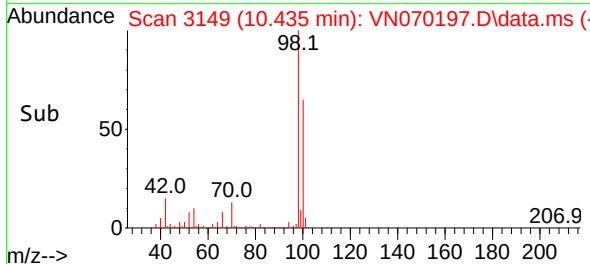
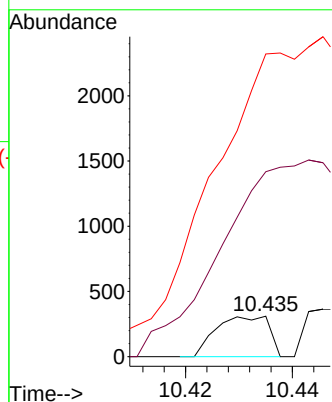


#54
 cis-1,3-Dichloropropene
 Concen: 2.006 ug/l
 RT: 10.435 min Scan# 3149
 Delta R.T. 0.244 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

Instrument :
 MSVOA_N
 ClientSampleId :

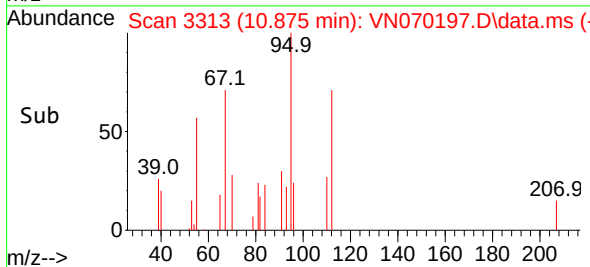
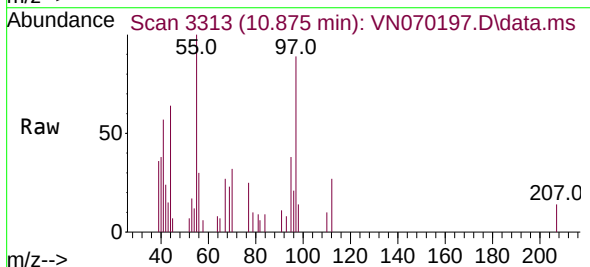
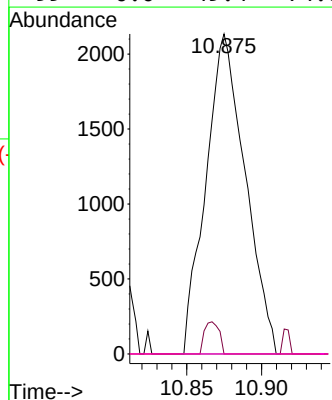


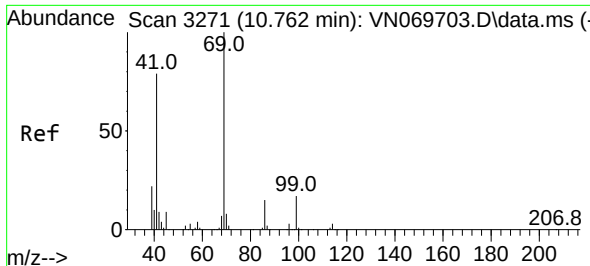
Tgt Ion: 75 Resp: 212
 Ion Ratio Lower Upper
 75 100
 77 359.0 26.4 39.6#
 39 516.5 42.5 63.7#



#55
 1,1,2-Trichloroethane
 Concen: 0.243 ug/l
 RT: 10.875 min Scan# 3313
 Delta R.T. -0.024 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

Tgt Ion: 97 Resp: 3904
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.8 101.6#
 85 0.0 45.4 68.2#
 99 0.0 49.4 74.0#

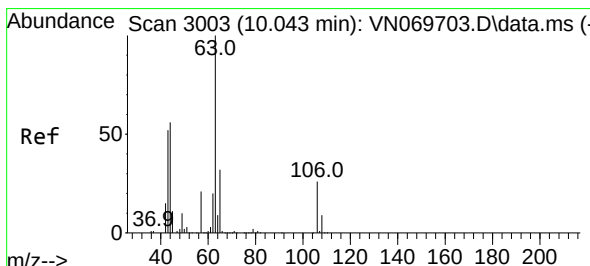
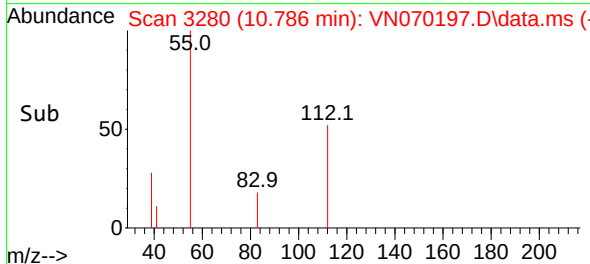
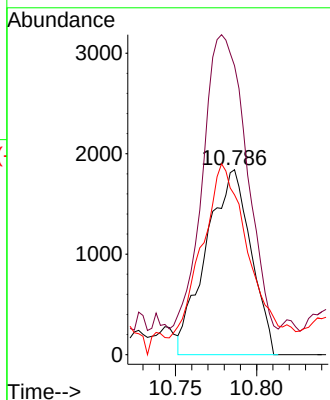
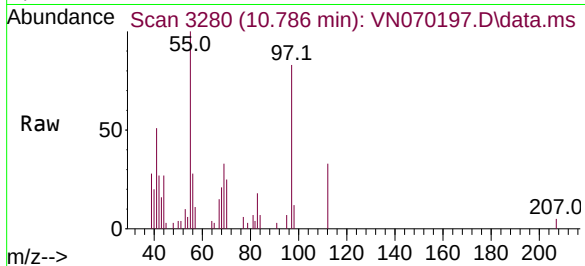




#56
Ethyl methacrylate
Concen: 2.389 ug/l
RT: 10.786 min Scan# 31
Delta R.T. 0.024 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

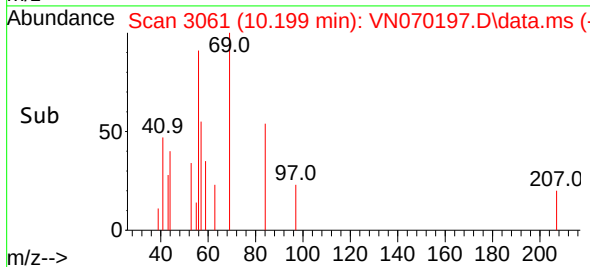
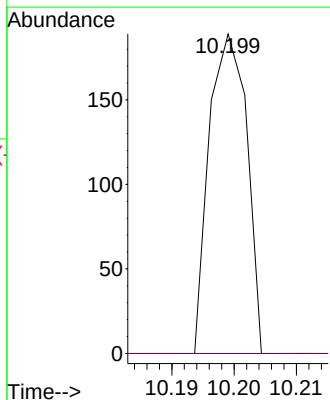
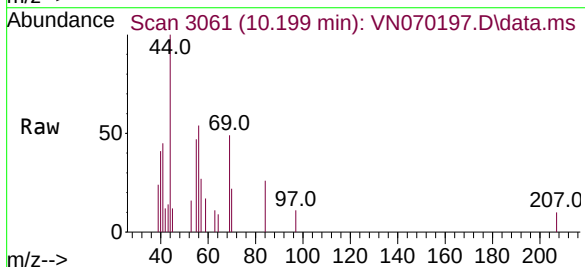
Instrument :
MSVOA_N
ClientSampleId :

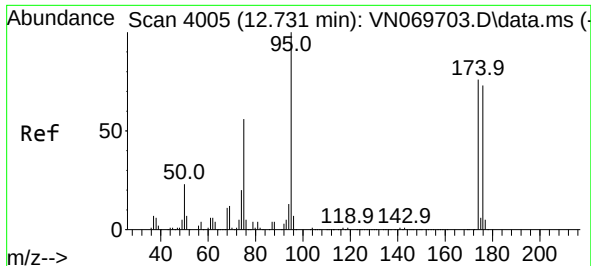
Tgt Ion: 69 Resp: 3508
Ion Ratio Lower Upper
69 100
41 153.4 51.4 77.0#
39 93.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.398 ug/l
RT: 10.199 min Scan# 3061
Delta R.T. 0.156 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

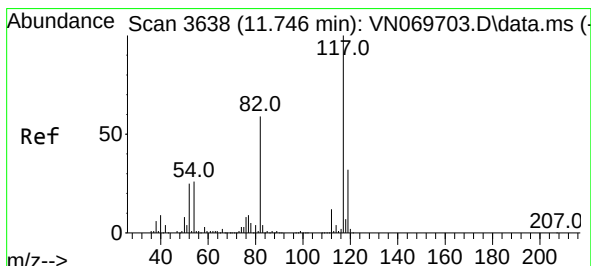
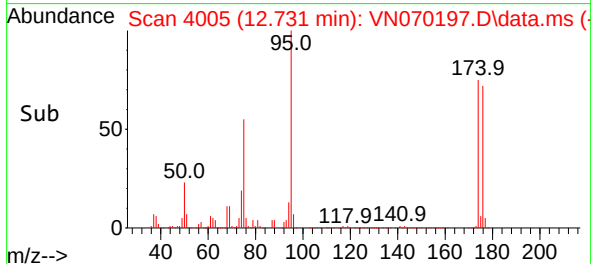
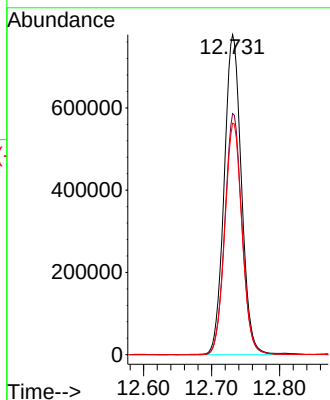
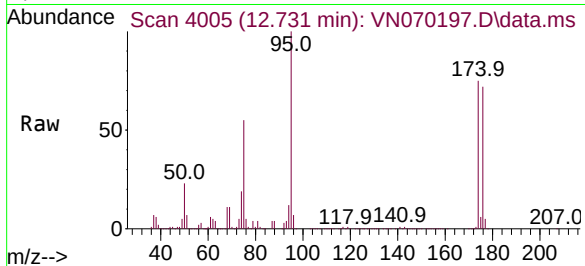




#62
4-Bromofluorobenzene
Concen: 67.070 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

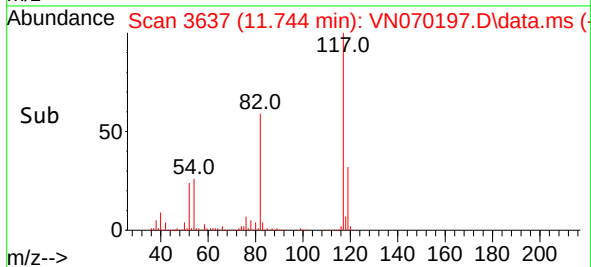
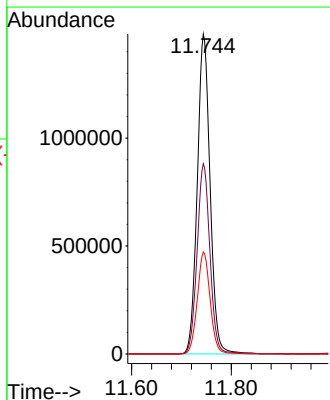
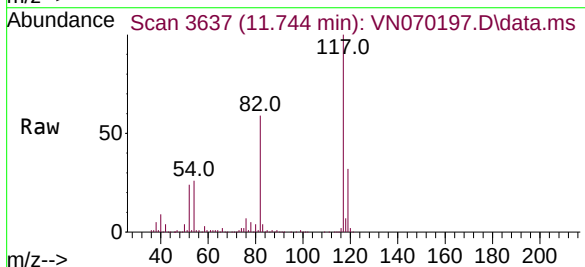
Instrument :
MSVOA_N
ClientSampleId :

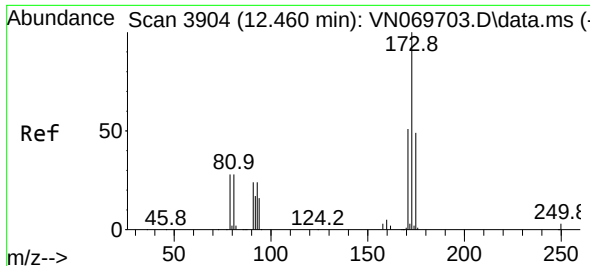
Tgt Ion: 95 Resp: 1371502
Ion Ratio Lower Upper
95 100
174 74.9 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 117 Resp: 2643242
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.9 25.4 38.2

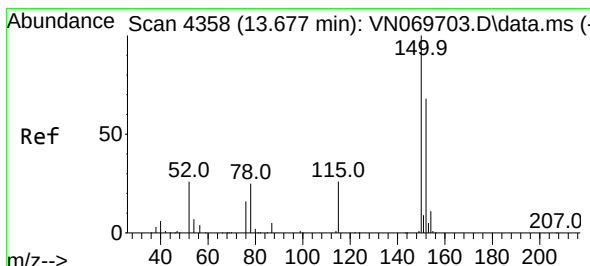
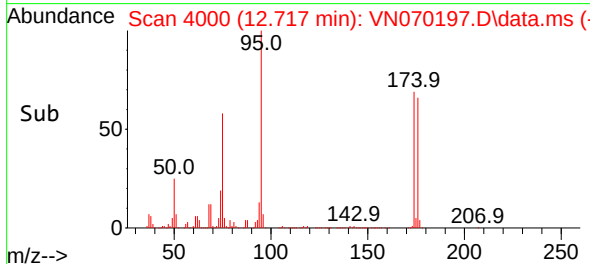
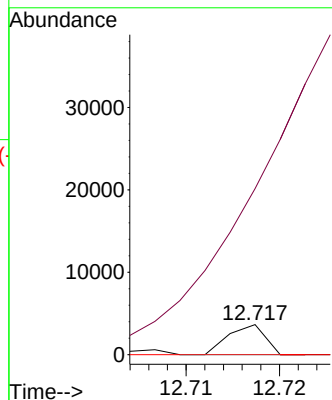
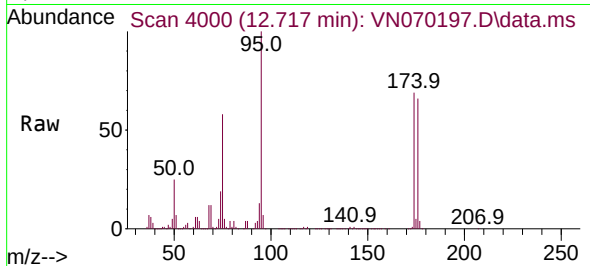




#71
Bromoform
Concen: 2.789 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

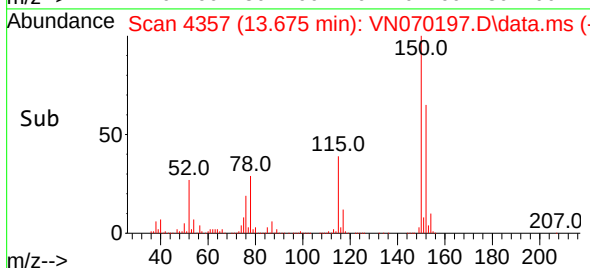
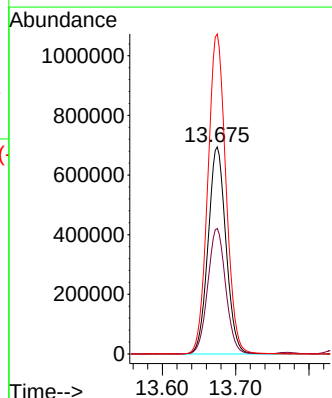
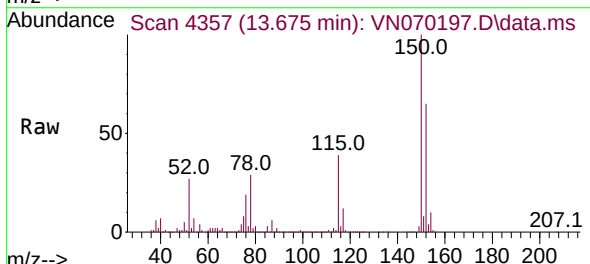
Instrument :
MSVOA_N
ClientSampleId :

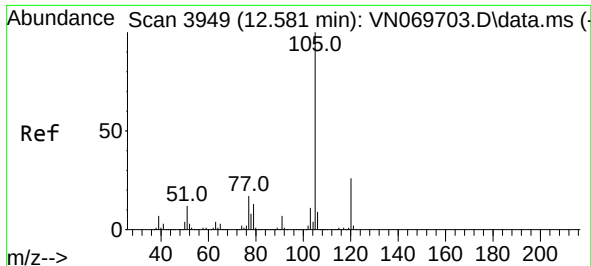
Tgt Ion:173 Resp: 999
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion:152 Resp: 1172867
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 156.6 0.0 344.4

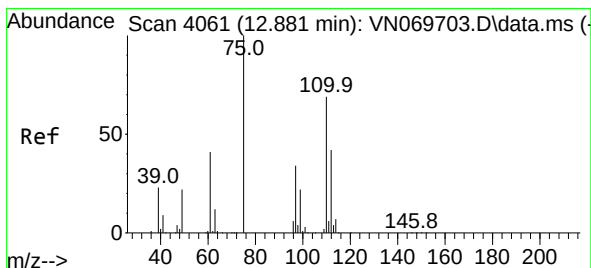
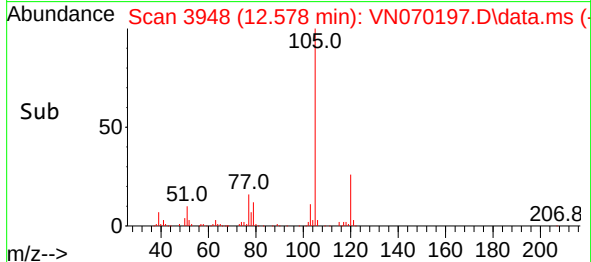
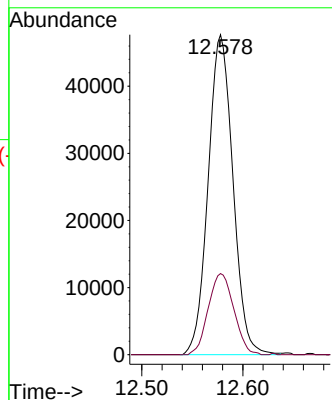
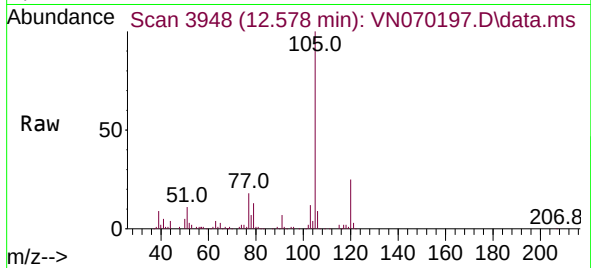




#73
Isopropylbenzene
Concen: 0.779 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

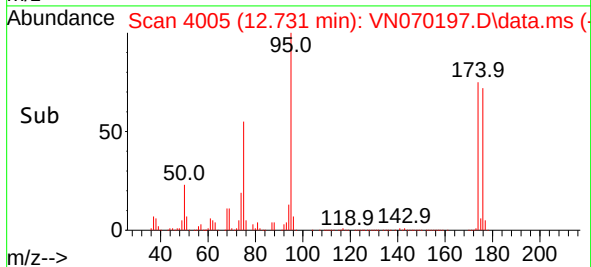
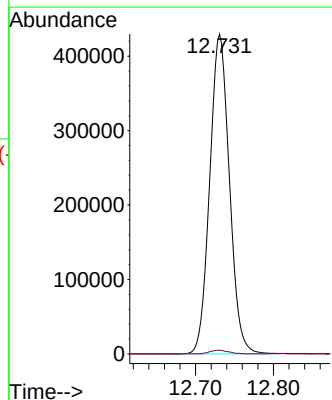
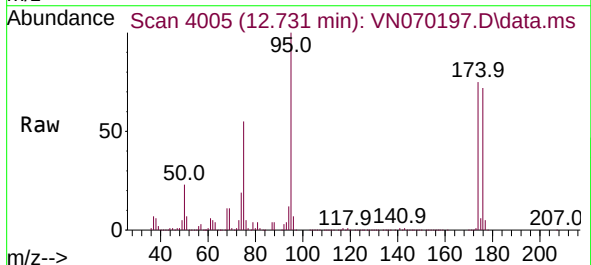
Instrument :
MSVOA_N
ClientSampleId :

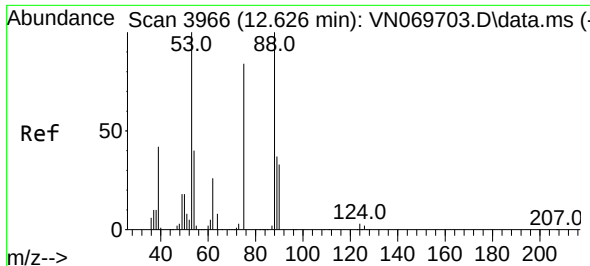
Tgt Ion:105 Resp: 81275
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 22.403 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 75 Resp: 753544
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

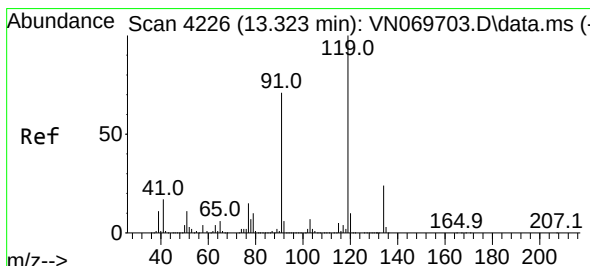
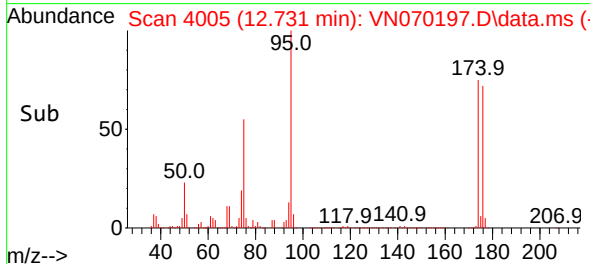
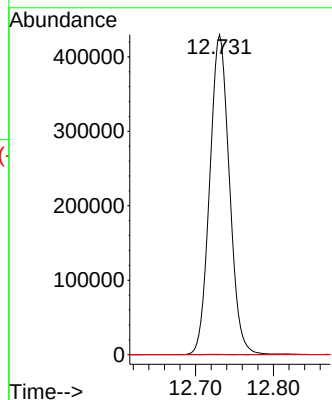
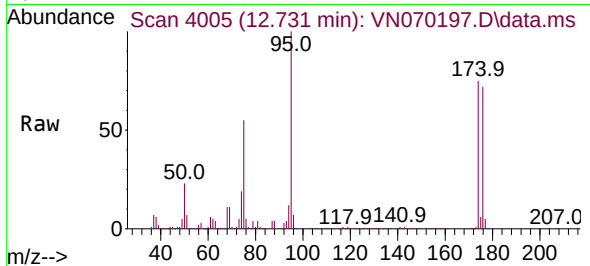




#81
trans-1,4-Dichloro-2-butene
Concen: 71.429 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

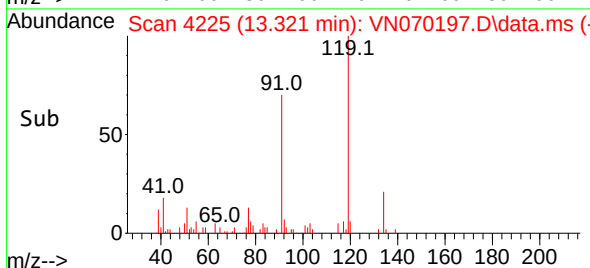
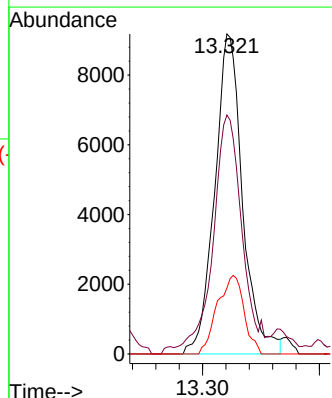
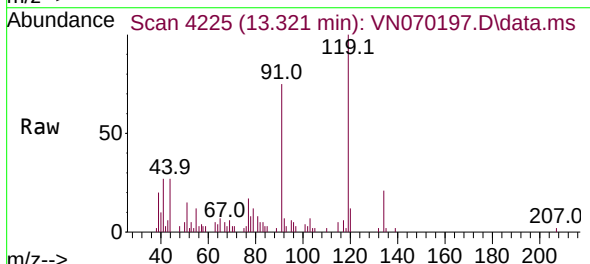
Instrument :
MSVOA_N
ClientSampleId :

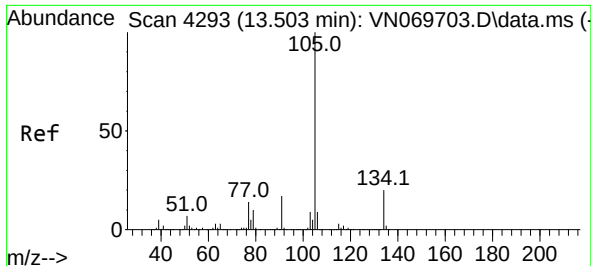
Tgt Ion: 75 Resp: 753544
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#83
tert-Butylbenzene
Concen: 0.204 ug/l
RT: 13.321 min Scan# 4225
Delta R.T. -0.003 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 119 Resp: 15194
Ion Ratio Lower Upper
119 100
91 72.6 31.5 94.5
134 23.4 12.4 37.4

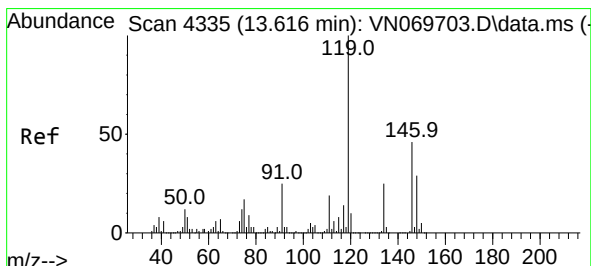
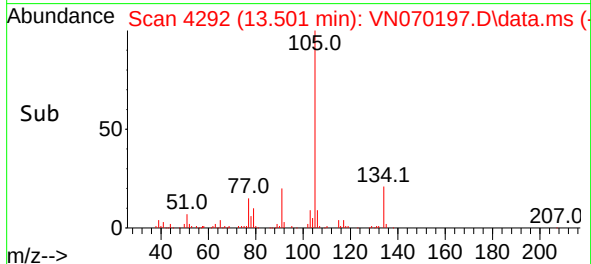
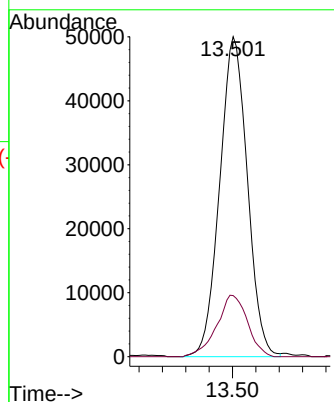
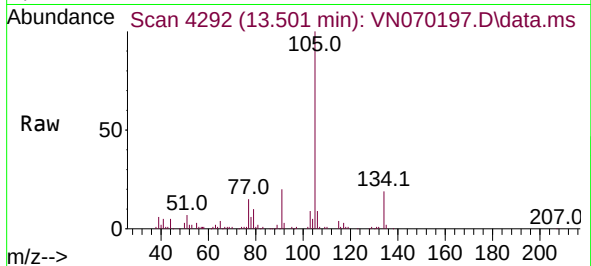




#85
 sec-Butylbenzene
 Concen: 0.814 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

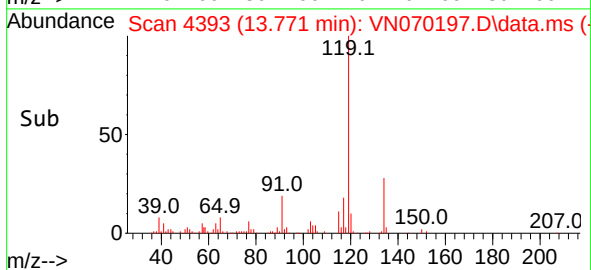
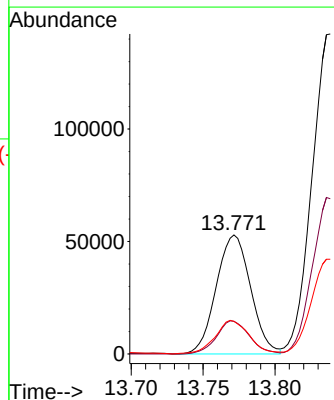
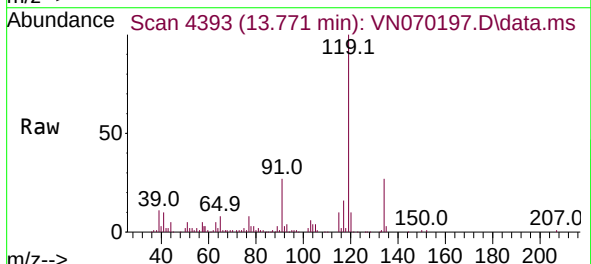
Instrument :
 MSVOA_N
 ClientSampleId :

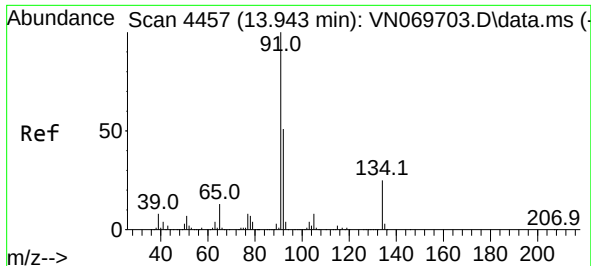
Tgt Ion:105 Resp: 82123
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 1.118 ug/l
 RT: 13.771 min Scan# 4393
 Delta R.T. 0.156 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

Tgt Ion:119 Resp: 88168
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.7
 91 27.9 11.4 34.1

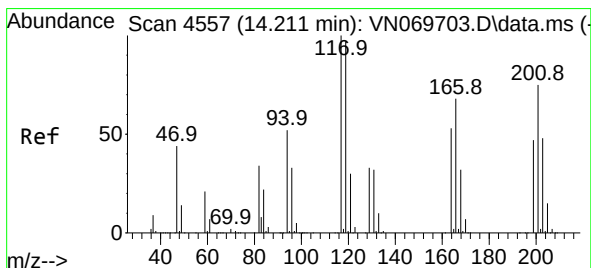
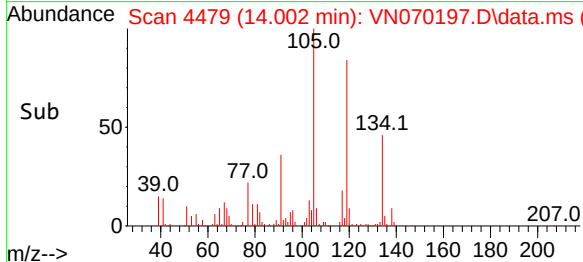
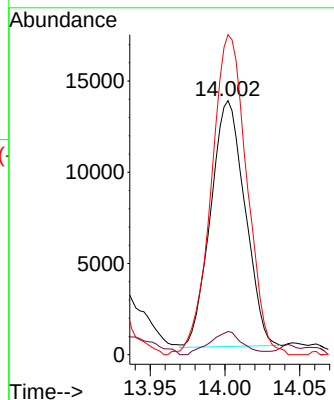
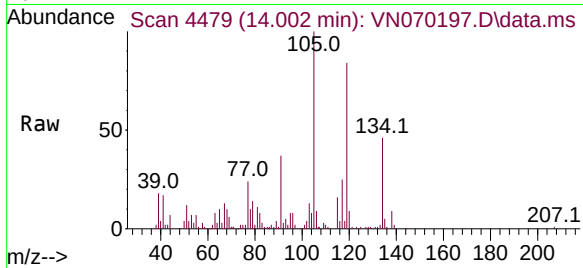




#89
n-Butylbenzene
Concen: 0.337 ug/l
RT: 14.002 min Scan# 4457
Delta R.T. 0.059 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

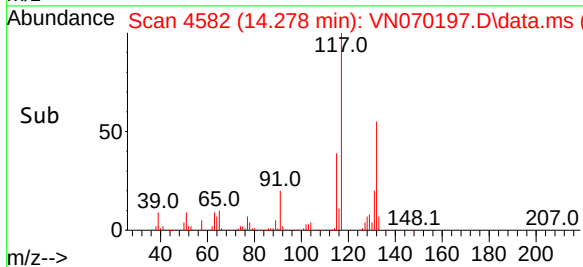
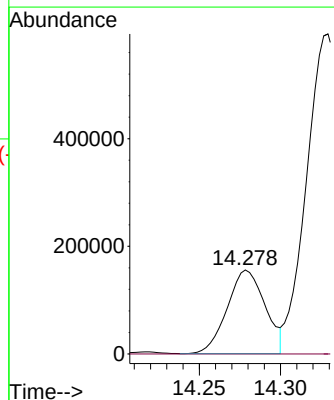
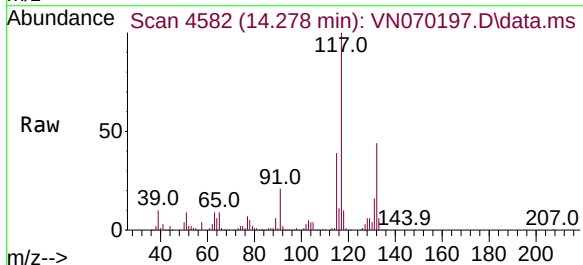
Instrument :
MSVOA_N
ClientSampleId :

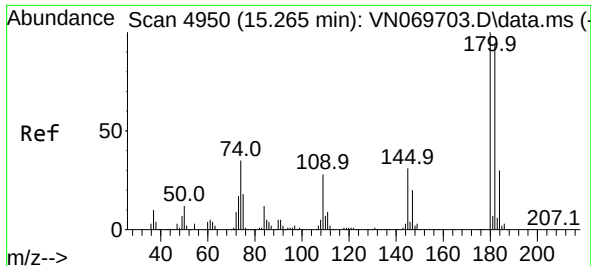
Tgt Ion: 91 Resp: 21550
Ion Ratio Lower Upper
91 100
92 8.9 25.4 76.0#
134 134.8 13.6 40.8#



#90
Hexachloroethane
Concen: 18.295 ug/l
RT: 14.278 min Scan# 4582
Delta R.T. 0.067 min
Lab File: VN070197.D
Acq: 18 Dec 2021 6:14

Tgt Ion: 117 Resp: 253274
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

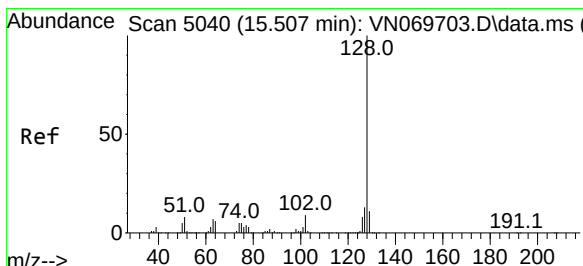
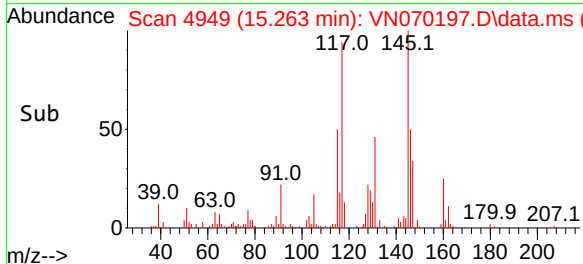
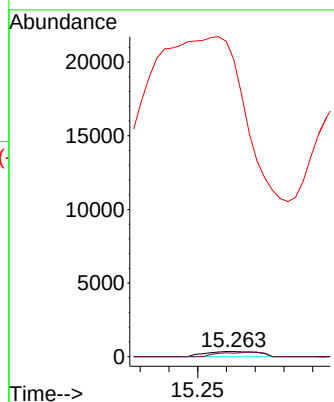
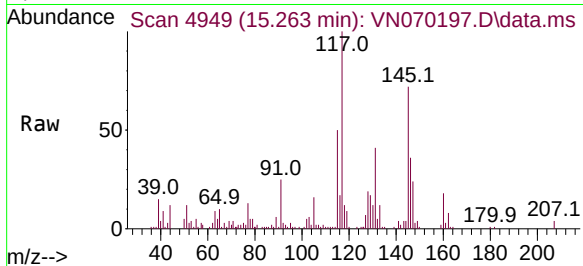




#93
 1,2,4-Trichlorobenzene
 Concen: 2.900 ug/l
 RT: 15.263 min Scan# 4950
 Delta R.T. -0.002 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

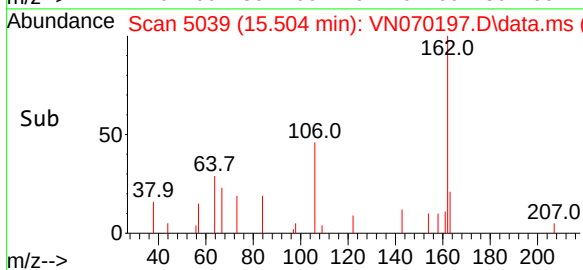
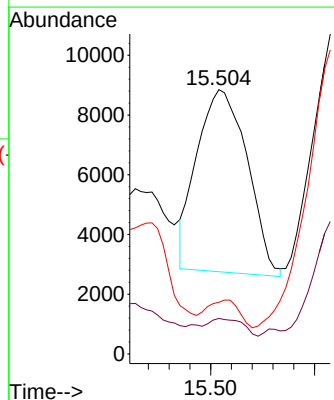
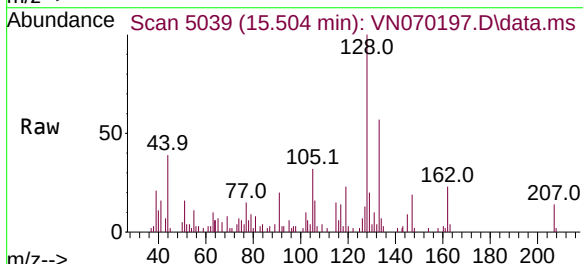
Instrument :
 MSVOA_N
 ClientSampleId :

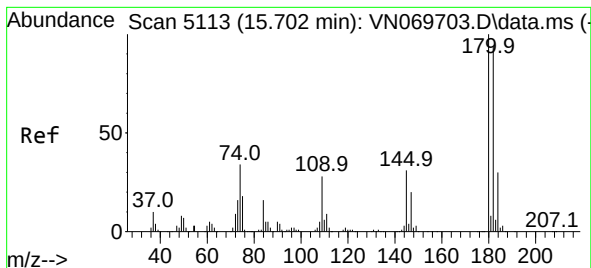
Tgt Ion:180 Resp: 449
 Ion Ratio Lower Upper
 180 100
 182 71.9 48.3 144.9
 145 12298.2 14.5 43.5#



#95
 Naphthalene
 Concen: 4.150 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.003 min
 Lab File: VN070197.D
 Acq: 18 Dec 2021 6:14

Tgt Ion:128 Resp: 10283
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.457 ug/l

RT: 15.710 min Scan# 51

Delta R.T. 0.008 min

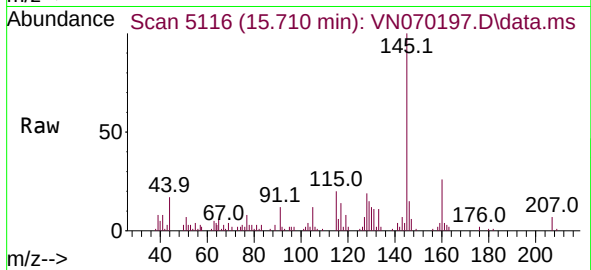
Lab File: VN070197.D

Acq: 18 Dec 2021 6:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 417

Ion Ratio Lower Upper

180 100

182 99.0 47.4 142.2

145 0.0 15.0 45.1#

