

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069710.D
 Acq On : 3 Dec 2021 11:02
 Operator : JC/MD
 Sample : VN1203MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:28:08 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)

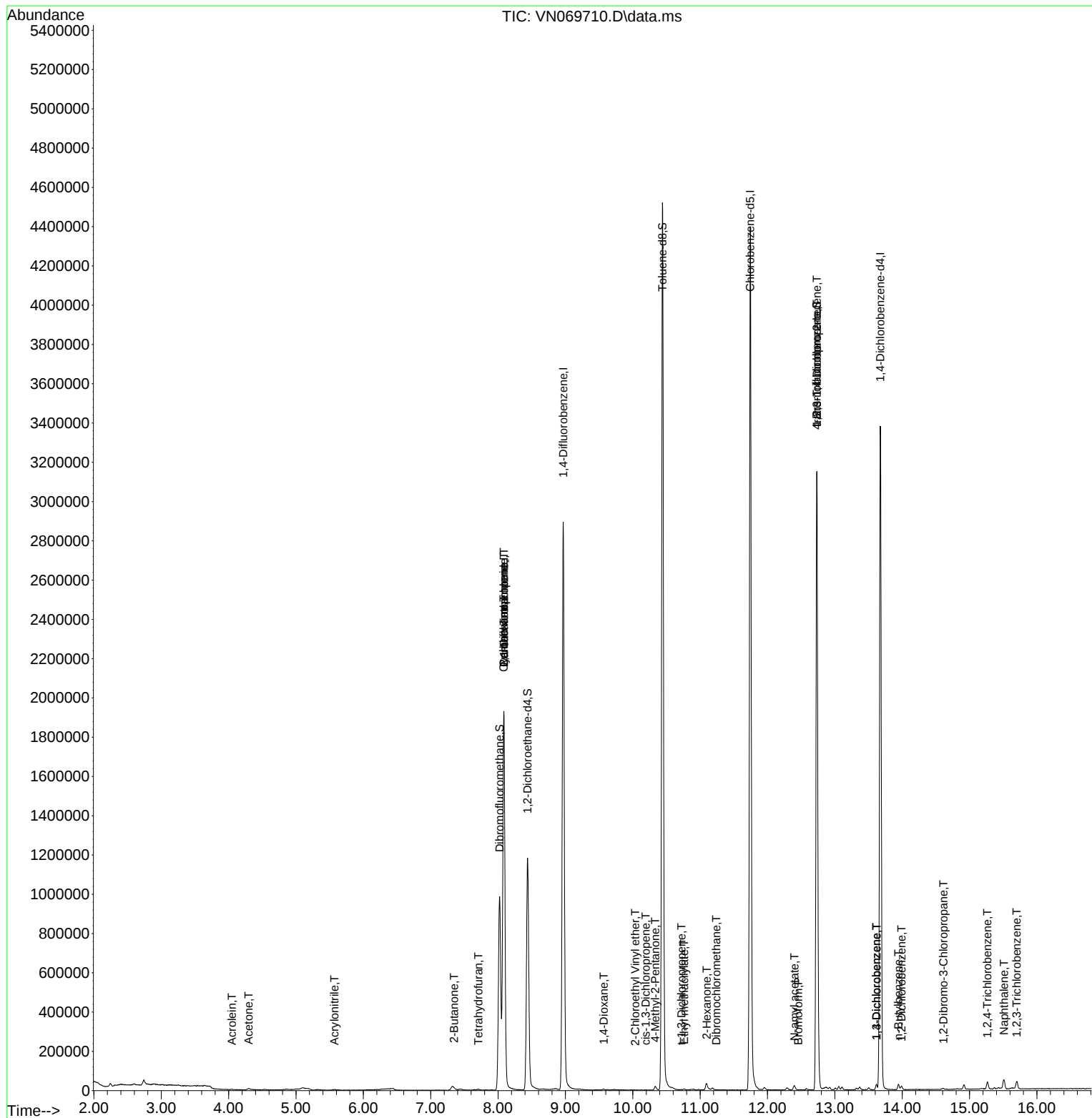
Internal Standards						
1) Pentafluorobenzene	8.086	168	1429568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2467781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2467133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	908484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1044398	47.317	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.640%		
35) Dibromofluoromethane	8.024	113	728794	47.148	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.300%		
50) Toluene-d8	10.440	98	3132613	50.471	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.940%		
62) 4-Bromofluorobenzene	12.731	95	1116243	49.642	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.280%		
Target Compounds						Qvalue
13) Acrolein	4.049	56	2032	0.572	ug/l #	64
15) Acrylonitrile	5.570	53	2833	0.252	ug/l #	56
16) Acetone	4.296	43	12509	0.942	ug/l	95
25) 2-Butanone	7.348	43	4150	0.230	ug/l #	77
29) Tetrahydrofuran	7.707	42	4378	0.400	ug/l #	43
31) Cyclohexane	8.083	56	38104	1.240	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	122949	5.234	ug/l #	48
38) Carbon Tetrachloride	8.086	117	148716	6.455	ug/l #	16
49) 1,4-Dioxane	9.571	88	520	1.200	ug/l #	19
51) 4-Methyl-2-Pentanone	10.333	43	15597	0.465	ug/l	94
53) t-1,3-Dichloropropene	10.722	75	1012	2.827	ug/l #	43
54) cis-1,3-Dichloropropene	10.191	75	567	2.017	ug/l #	85
56) Ethyl methacrylate	10.762	69	2607	2.354	ug/l #	65
58) 2-Chloroethyl Vinyl ether	10.038	63	183	18.408	ug/l #	45
59) 2-Hexanone	11.097	43	32422	1.277	ug/l	88
60) Dibromochloromethane	11.240	129	246	2.389	ug/l #	11
71) Bromoform	12.457	173	601	2.769	ug/l #	29
74) N-amyl acetate	12.401	43	16552	0.463	ug/l #	90
76) 1,2,3-Trichloropropane	12.733	75	630915	24.216	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	630915	76.881	ug/l #	5
87) 1,3-Dichlorobenzene	13.618	146	6678	0.214	ug/l	92
88) 1,4-Dichlorobenzene	13.618	146	6678	0.218	ug/l	91
89) n-Butylbenzene	13.943	91	15927	0.321	ug/l	93
91) 1,2-Dichlorobenzene	13.989	146	7325	0.241	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.611	75	1434	0.284	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.263	180	11759	3.621	ug/l	94
95) Naphthalene	15.509	128	46168	4.942	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	14474	3.383	ug/l	99

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

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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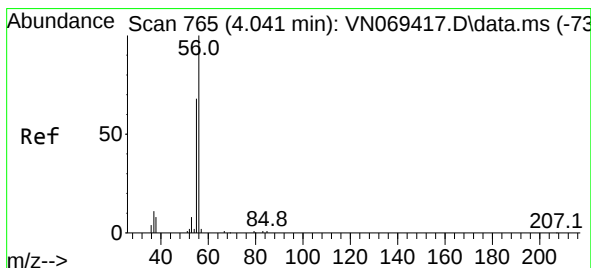
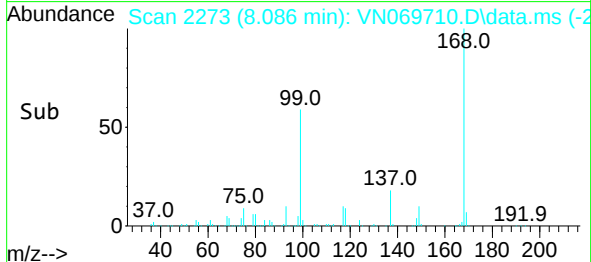
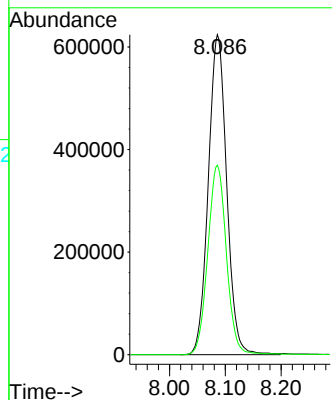
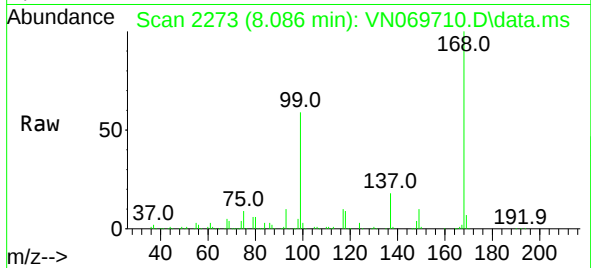




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

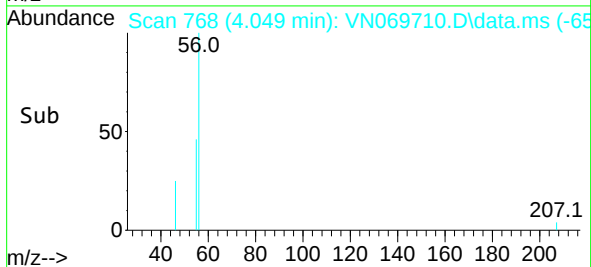
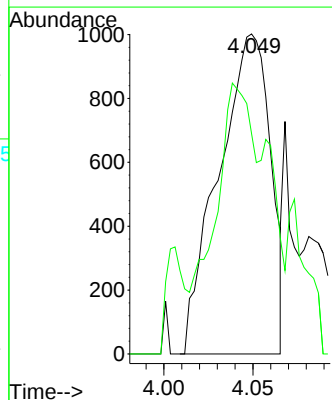
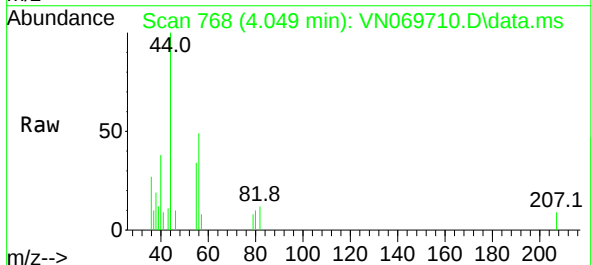
Instrument :
MSVOA_N
ClientSampleId :

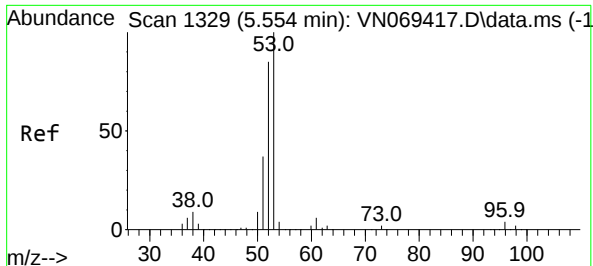
Tgt Ion:168 Resp: 1429568
Ion Ratio Lower Upper
168 100
99 59.2 41.3 61.9



#13
Acrolein
Concen: 0.572 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion: 56 Resp: 2032
Ion Ratio Lower Upper
56 100
55 41.2 56.6 85.0#





#15

Acrylonitrile

Concen: 0.252 ug/l

RT: 5.570 min Scan# 11

Delta R.T. 0.013 min

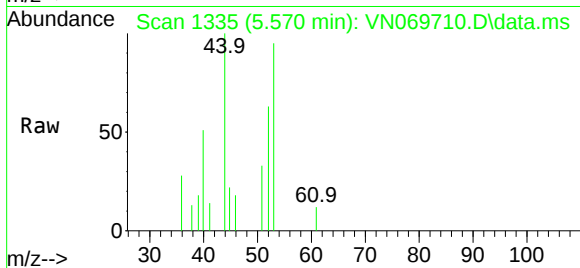
Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

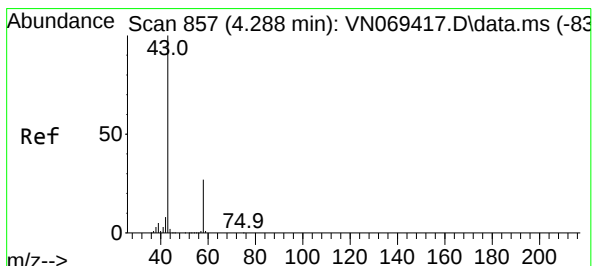
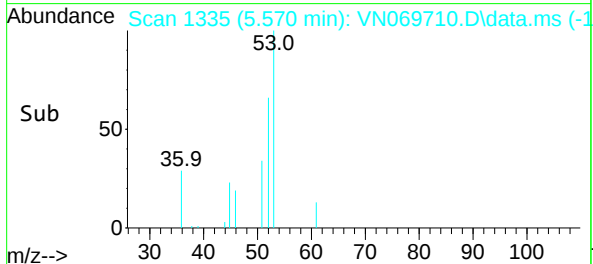
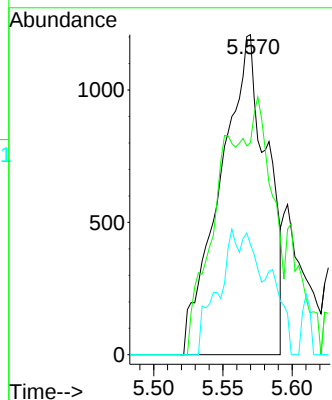
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 53	Resp: 2833
Ion Ratio	Lower Upper
53 100	
52 38.6	66.2 99.2#
51 18.1	29.6 44.4#



#16

Acetone

Concen: 0.942 ug/l

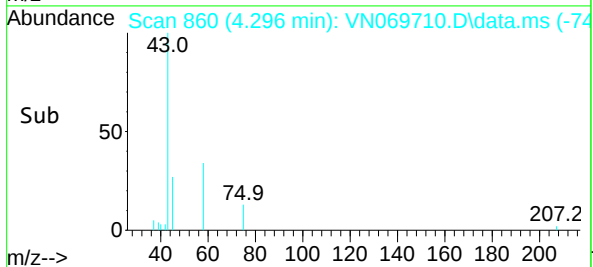
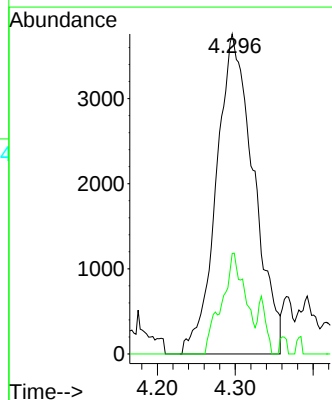
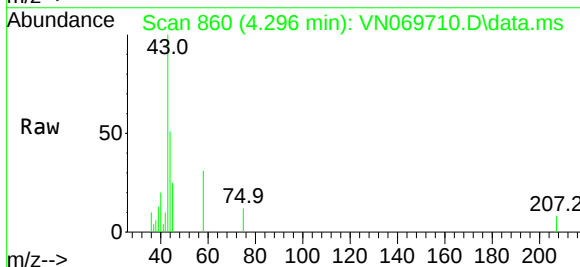
RT: 4.296 min Scan# 860

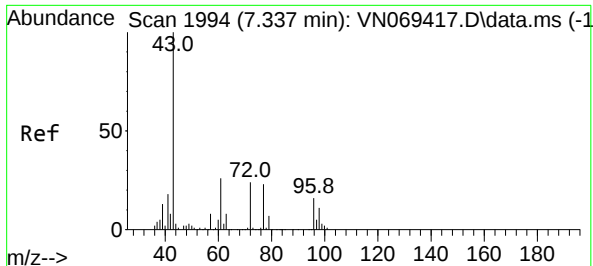
Delta R.T. 0.005 min

Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

Tgt Ion: 43	Resp: 12509
Ion Ratio	Lower Upper
43 100	
58 31.4	23.1 34.7





#25

2-Butanone

Concen: 0.230 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

Instrument :

MSVOA_N

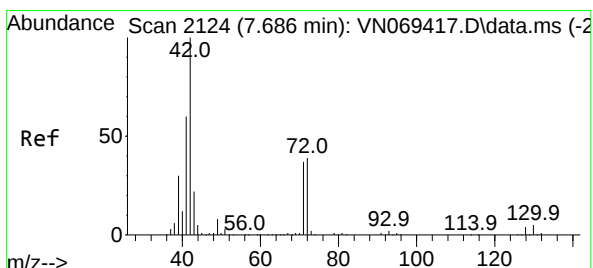
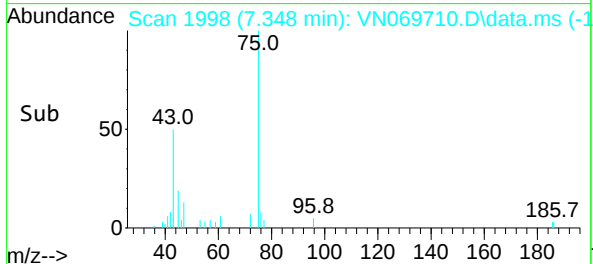
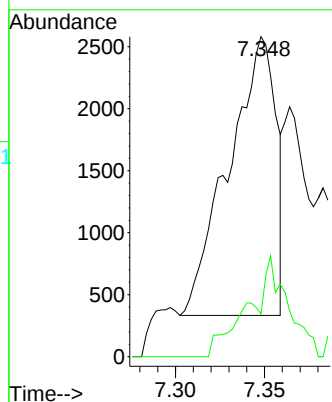
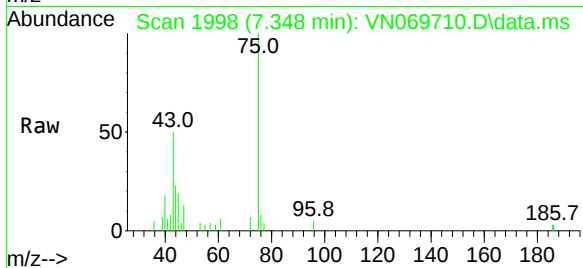
ClientSampleId :

Tgt Ion: 43 Resp: 4150

Ion Ratio Lower Upper

43 100

72 15.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.400 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.022 min

Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

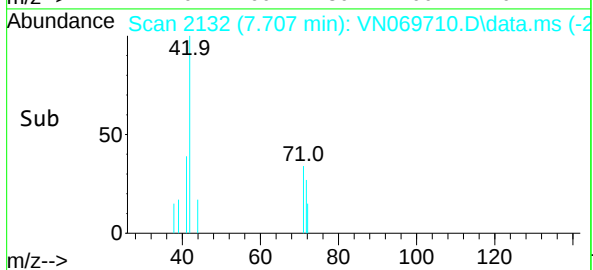
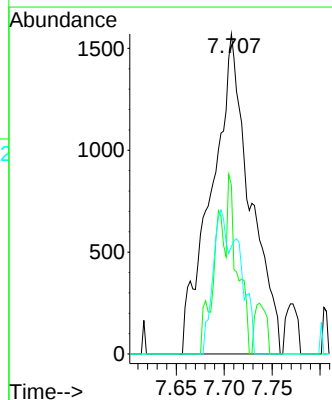
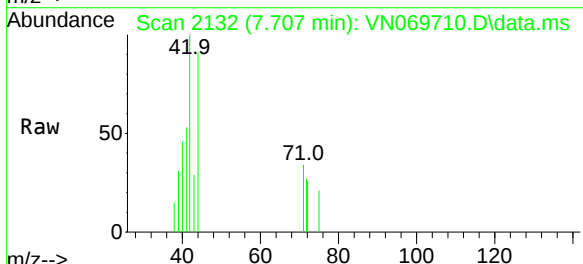
Tgt Ion: 42 Resp: 4378

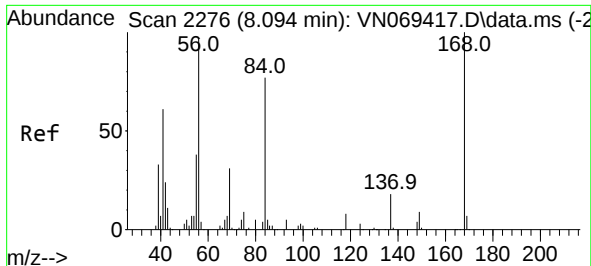
Ion Ratio Lower Upper

42 100

72 14.2 36.3 54.5#

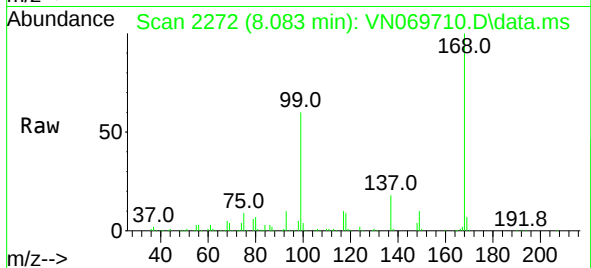
71 0.0 34.7 52.1#



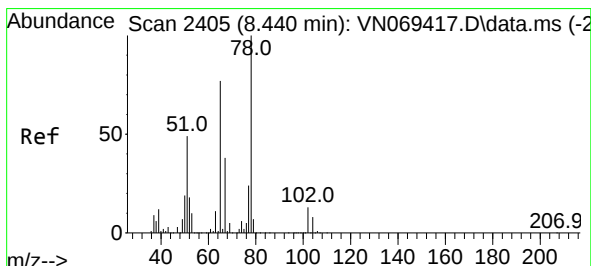
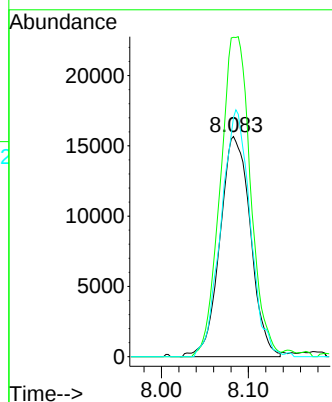
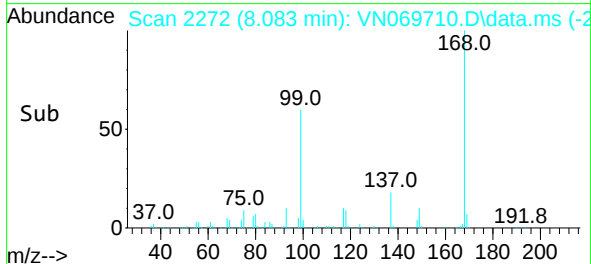


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

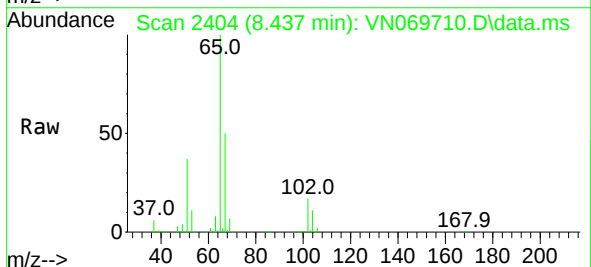
Instrument :
MSVOA_N
ClientSampleId :



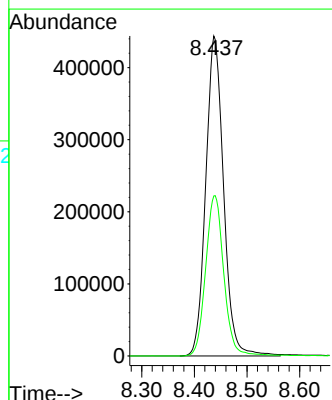
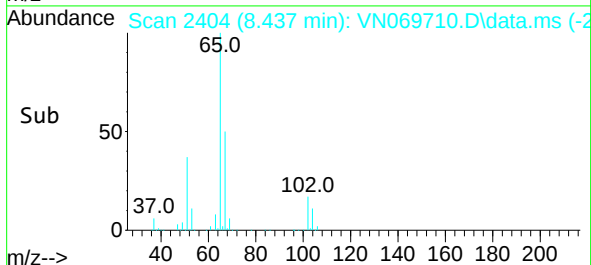
Tgt Ion: 56 Resp: 38104
Ion Ratio Lower Upper
56 100
69 145.0 27.1 40.7#
84 108.5 73.4 110.0

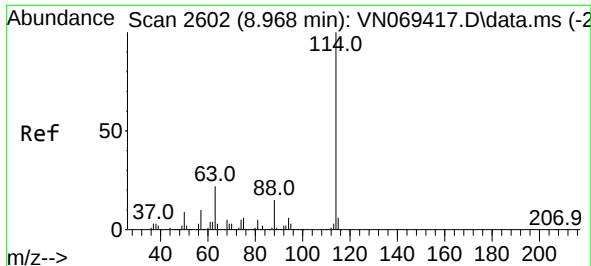


#33
1,2-Dichloroethane-d4
Concen: 47.317 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02



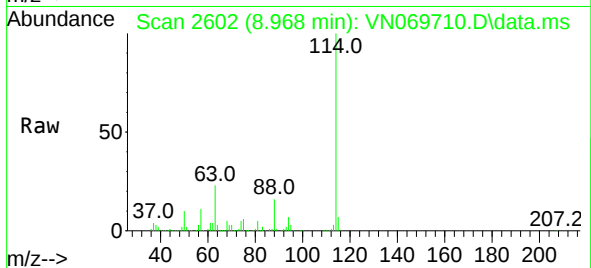
Tgt Ion: 65 Resp: 1044398
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





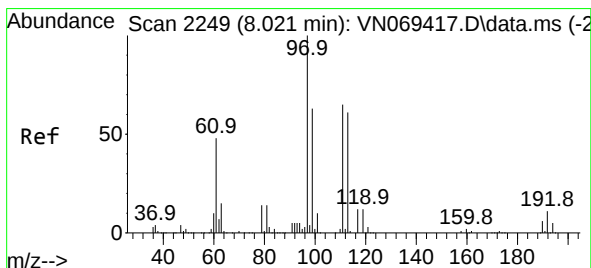
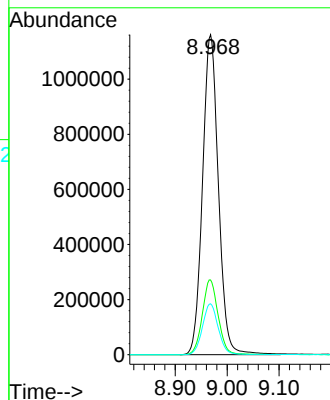
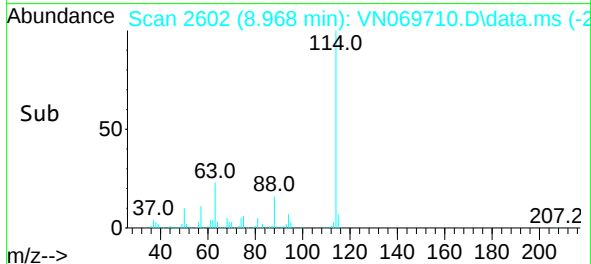
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:114 Resp: 2467781

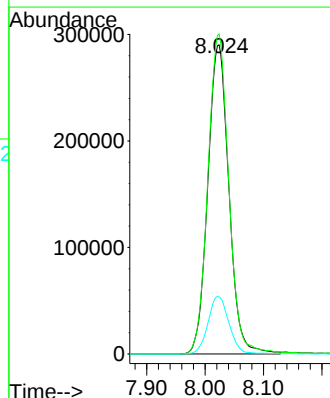
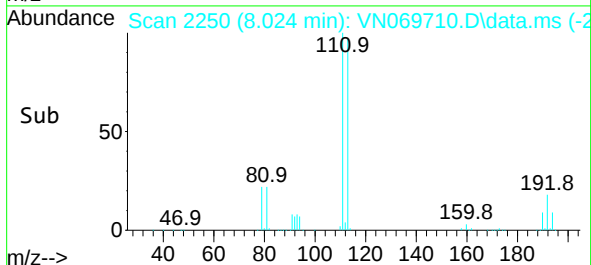
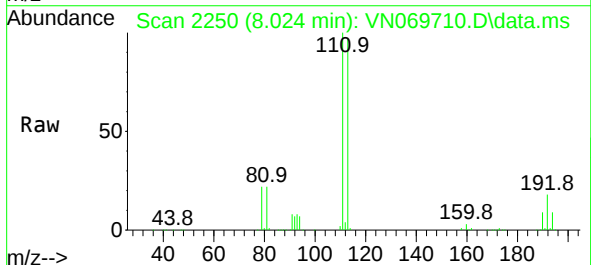
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	37.8
88	15.9	0.0	27.4

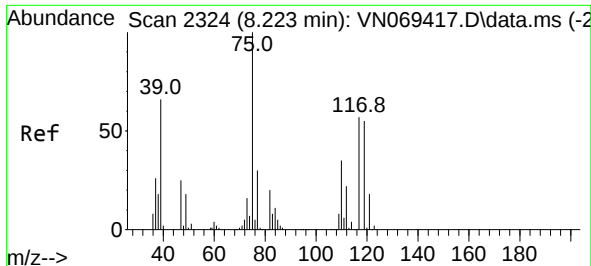


#35
 Dibromofluoromethane
 Concen: 47.148 ug/l
 RT: 8.024 min Scan# 2250
 Delta R.T. 0.000 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Tgt Ion:113 Resp: 728794

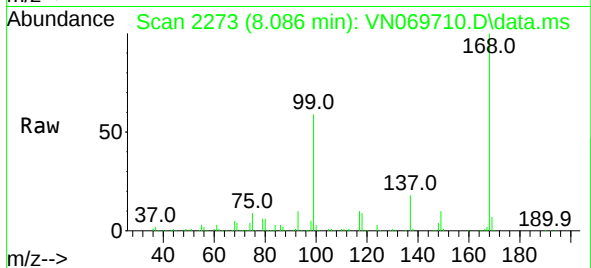
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	18.4	16.9	25.3



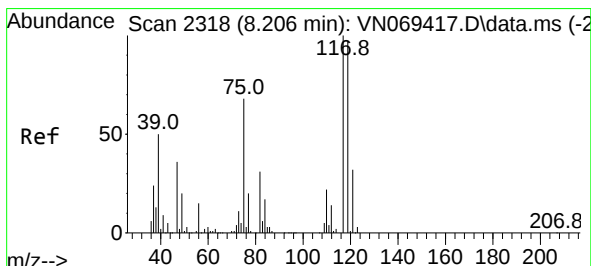
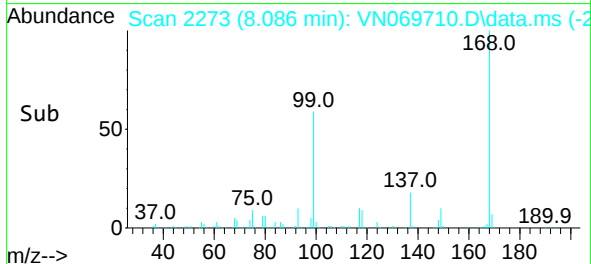
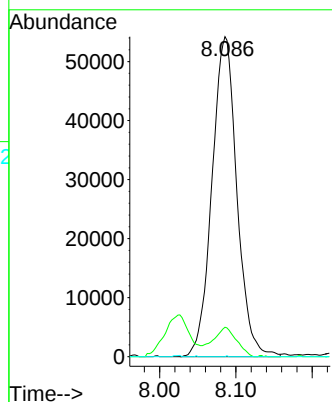


#36
1,1-Dichloropropene
Concen: 5.234 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

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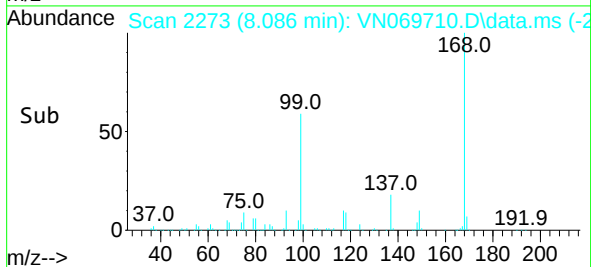
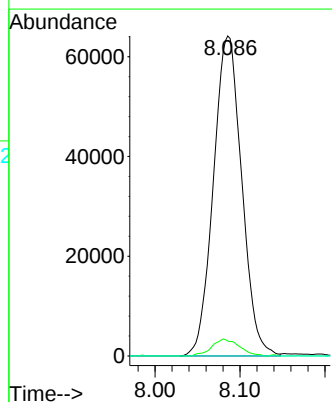
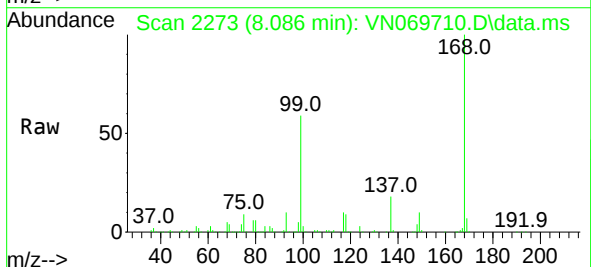


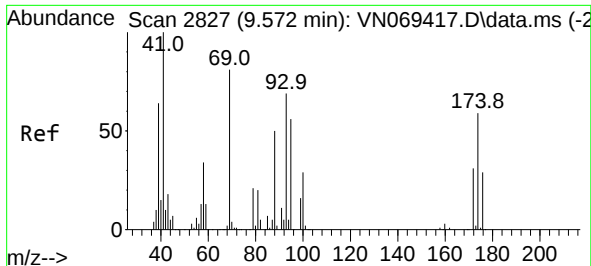
Tgt Ion: 75 Resp: 122949
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.455 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion: 117 Resp: 148716
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.200 ug/l

RT: 9.571 min Scan# 2

Delta R.T. 0.000 min

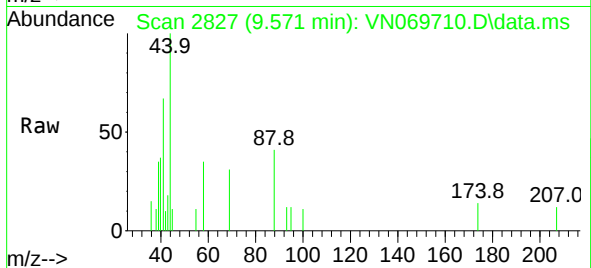
Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

Instrument :

MSVOA_N

ClientSampleId :



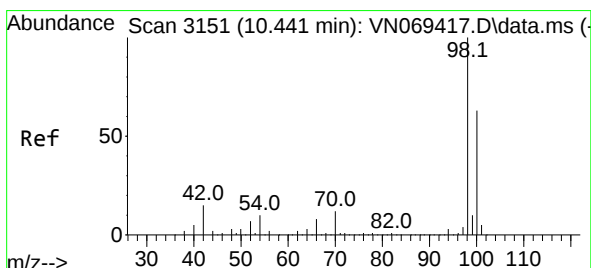
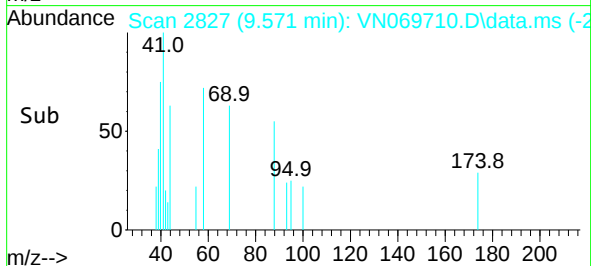
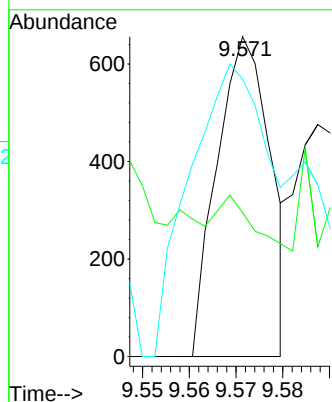
Tgt Ion: 88 Resp: 520

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 135.2 50.6 75.8#



#50

Toluene-d8

Concen: 50.471 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069710.D

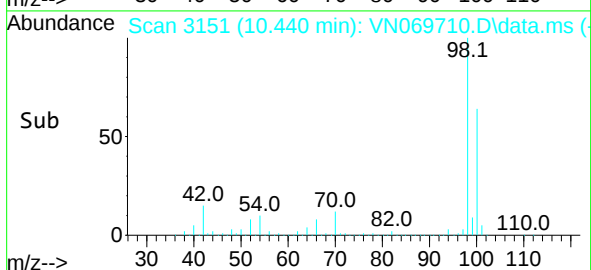
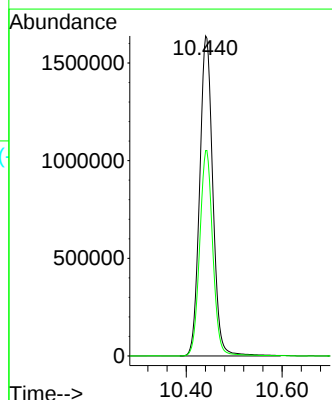
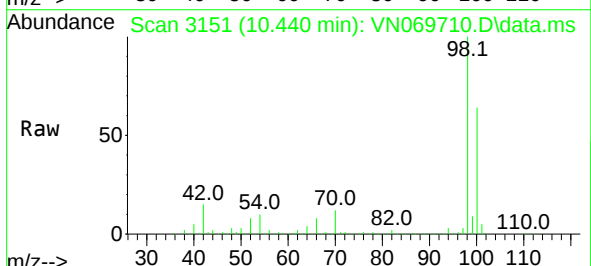
Acq: 3 Dec 2021 11:02

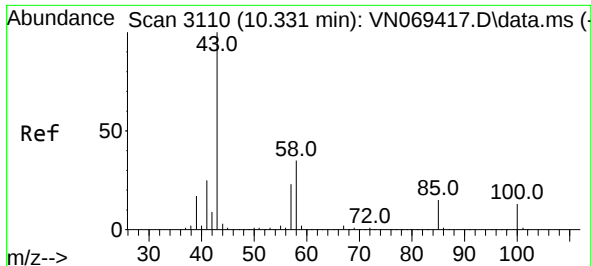
Tgt Ion: 98 Resp: 3132613

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 10.333 min Scan# 3111

Delta R.T. 0.000 min

Lab File: VN069710.D

Acq: 3 Dec 2021 11:02

Instrument :

MSVOA_N

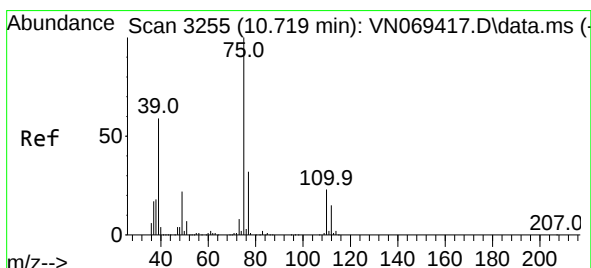
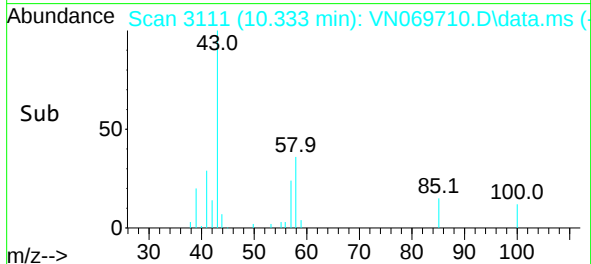
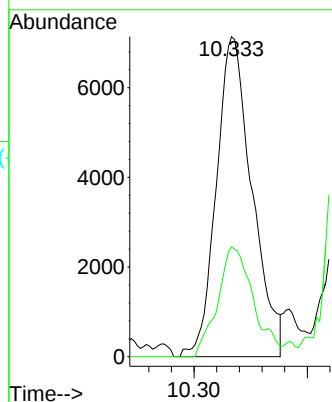
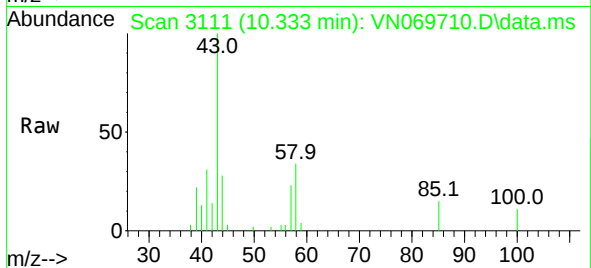
ClientSampleId :

Tgt Ion: 43 Resp: 15597

Ion Ratio Lower Upper

43 100

58 34.5 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.827 ug/l

RT: 10.722 min Scan# 3256

Delta R.T. 0.003 min

Lab File: VN069710.D

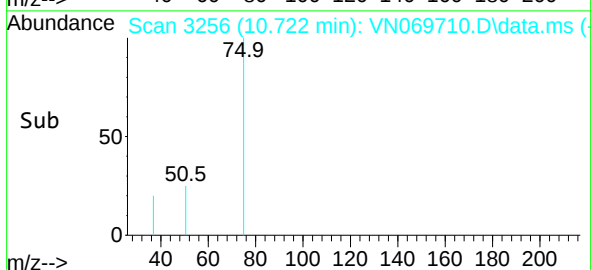
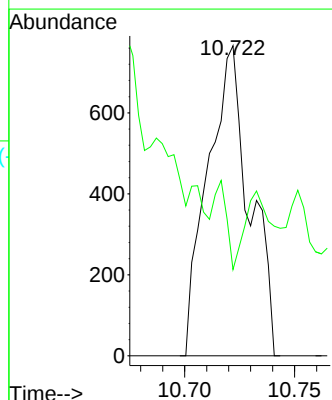
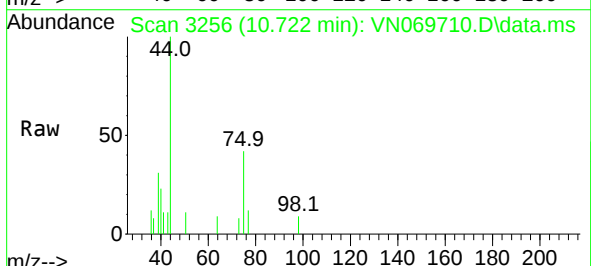
Acq: 3 Dec 2021 11:02

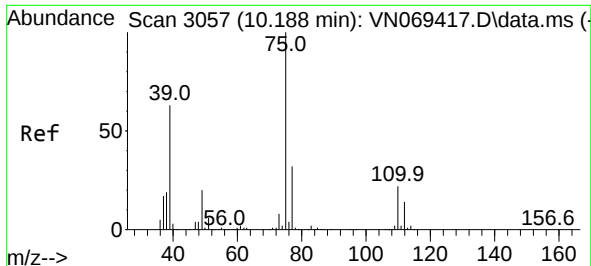
Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

75 100

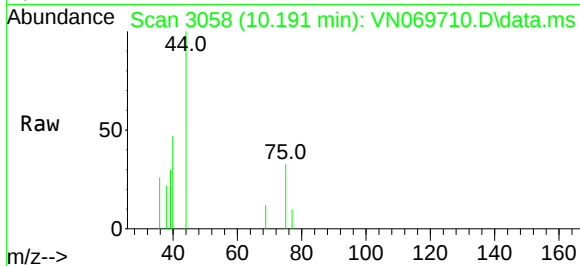
77 0.0 25.6 38.4#



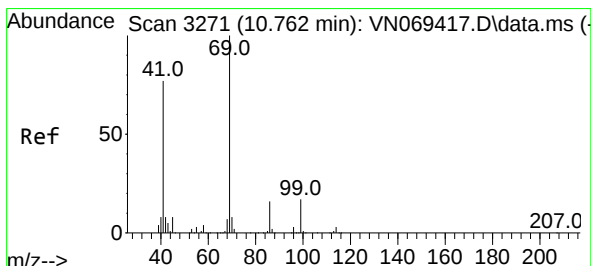
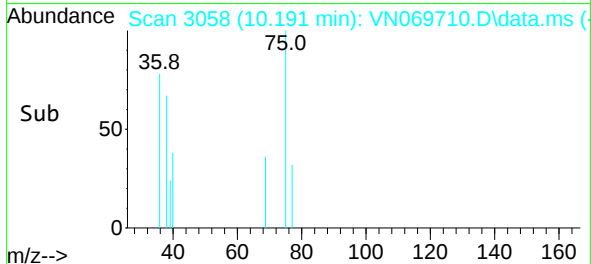
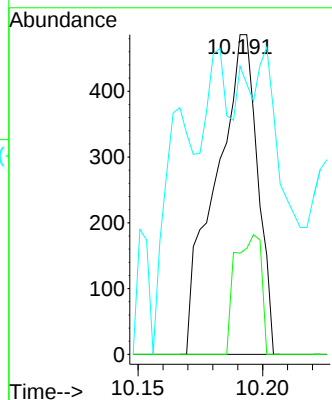


#54
 cis-1,3-Dichloropropene
 Concen: 2.017 ug/l
 RT: 10.191 min Scan# 3057
 Delta R.T. -0.000 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Instrument :
 MSVOA_N
 ClientSampleId :

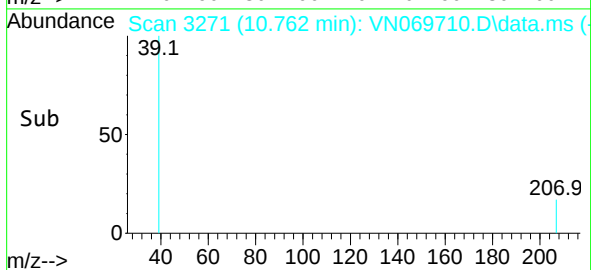
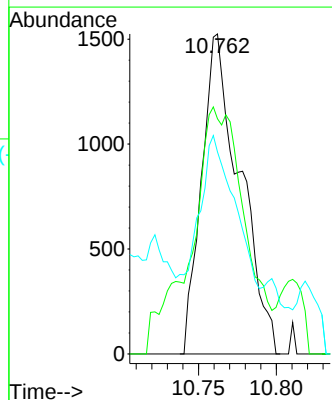
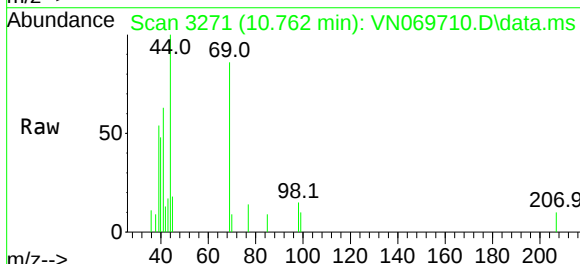


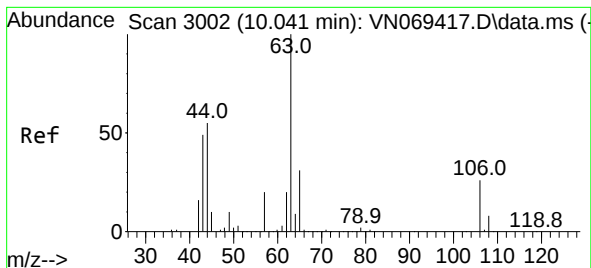
Tgt Ion: 75 Resp: 567
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.4 39.6
 39 36.8 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.354 ug/l
 RT: 10.762 min Scan# 3271
 Delta R.T. 0.000 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Tgt Ion: 69 Resp: 2607
 Ion Ratio Lower Upper
 69 100
 41 108.4 51.4 77.0#
 39 40.5 34.6 52.0

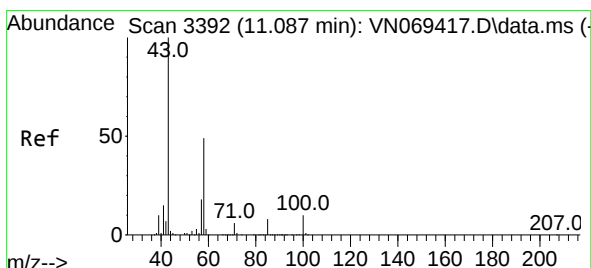
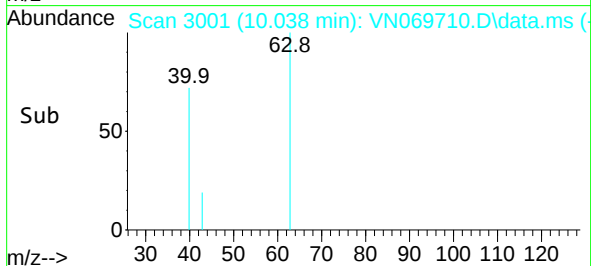
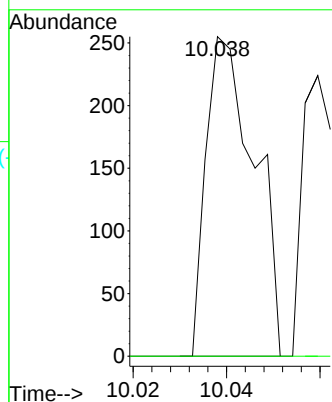
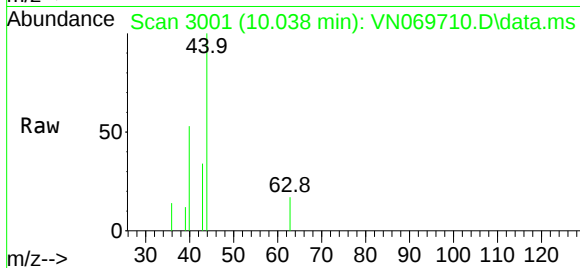




#58
2-Chloroethyl Vinyl ether
Concen: 18.408 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.005 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

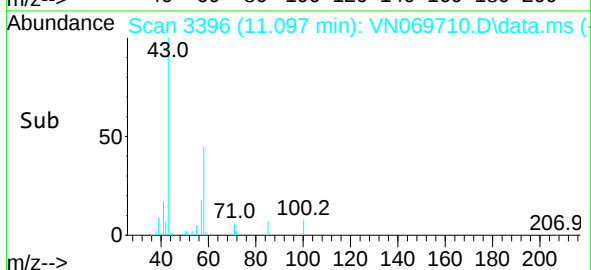
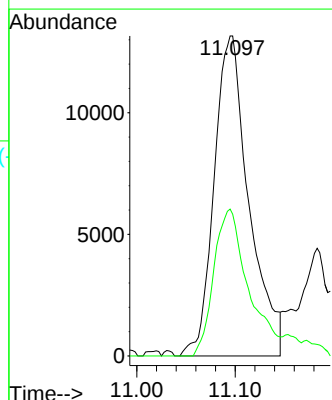
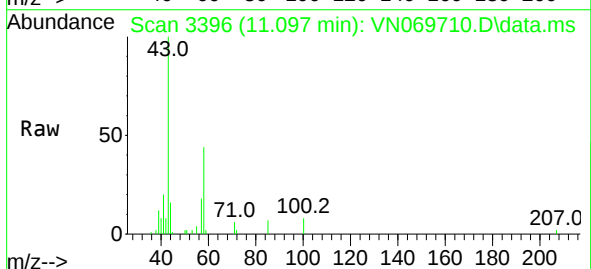
Instrument :
MSVOA_N
ClientSampleId :

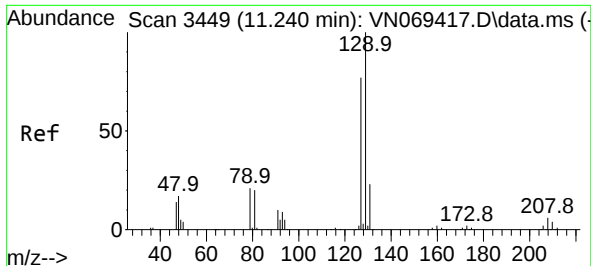
Tgt Ion: 63 Resp: 183
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.277 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion: 43 Resp: 32422
Ion Ratio Lower Upper
43 100
58 45.5 26.9 80.7

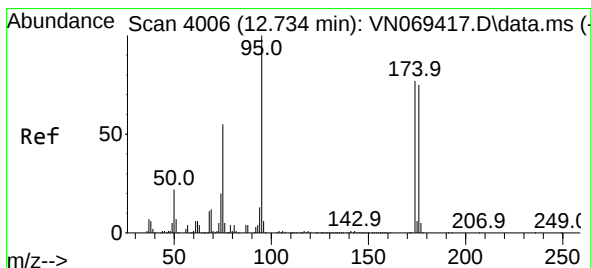
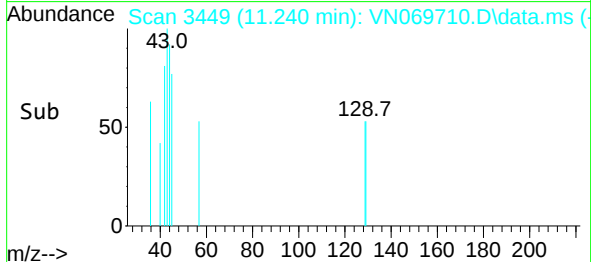
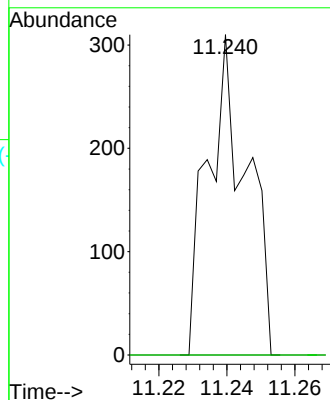
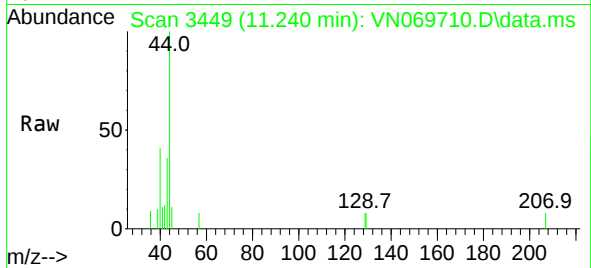




#60
Dibromochloromethane
Concen: 2.389 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

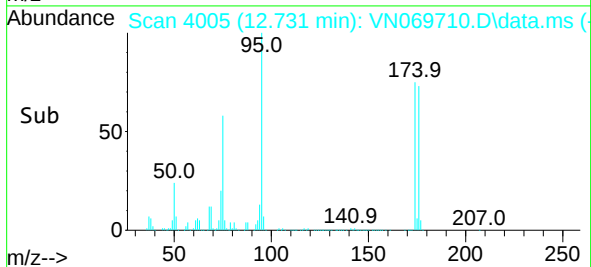
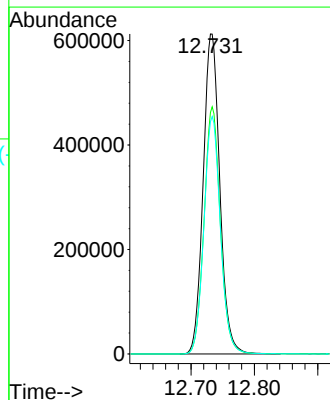
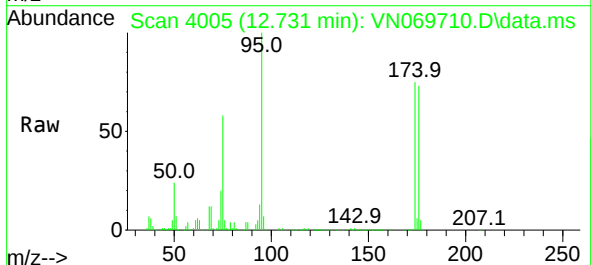
Instrument :
MSVOA_N
ClientSampleId :

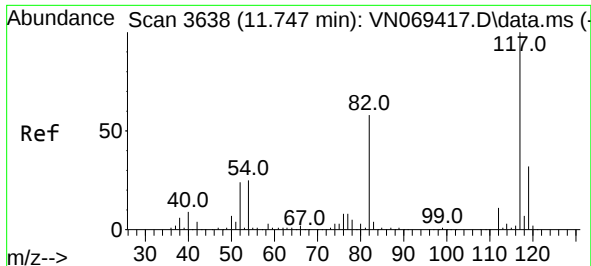
Tgt Ion:129 Resp: 246
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.642 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion: 95 Resp: 1116243
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.6 0.0 181.4

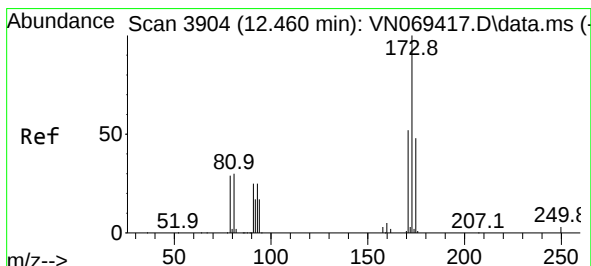
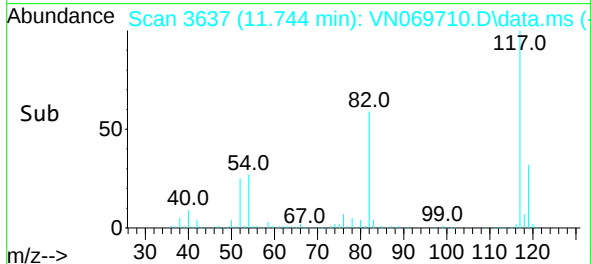
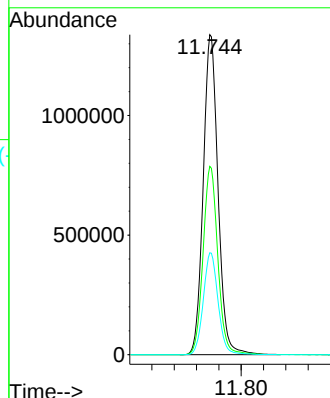
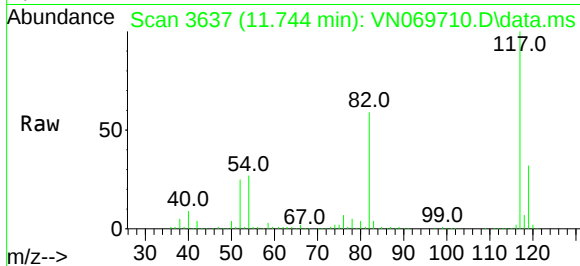




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

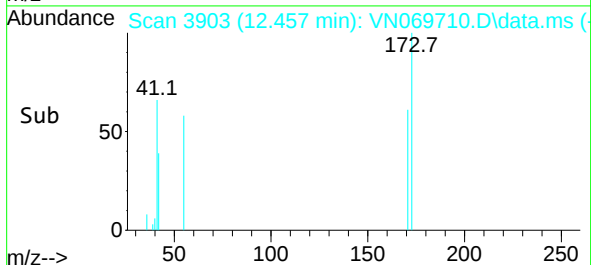
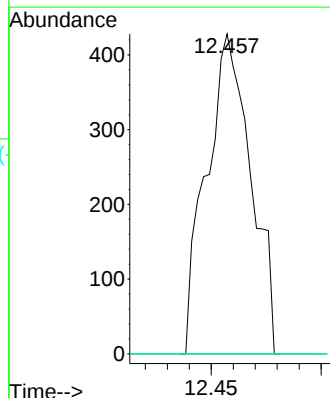
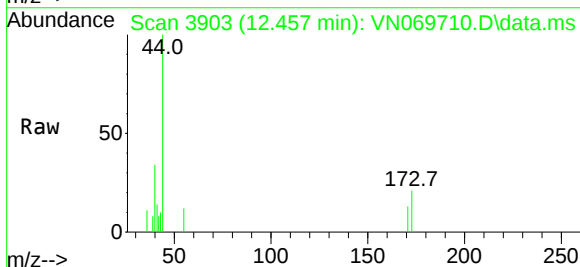
Instrument :
MSVOA_N
ClientSampleId :

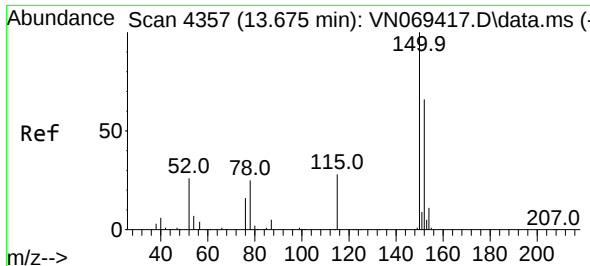
Tgt Ion:117 Resp: 2467133
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 2.769 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

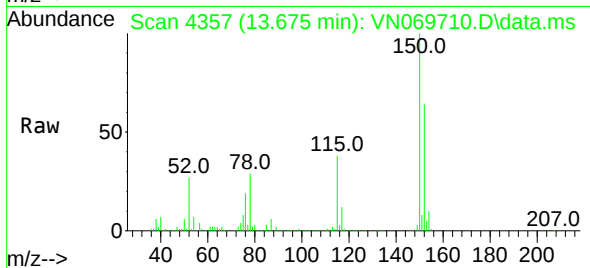
Tgt Ion:173 Resp: 601
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



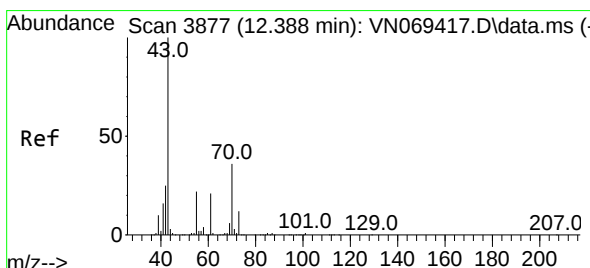
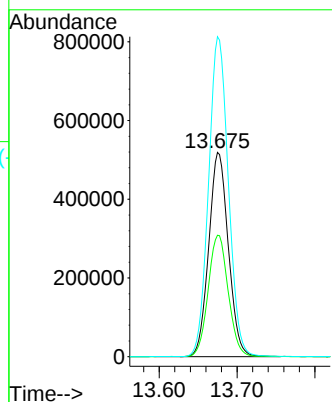
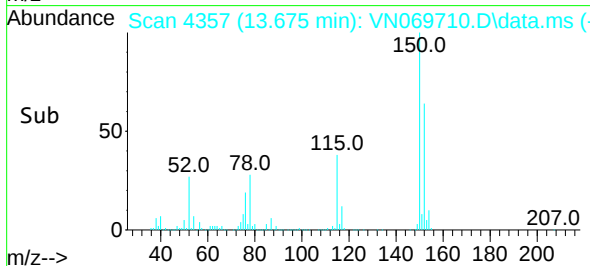


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

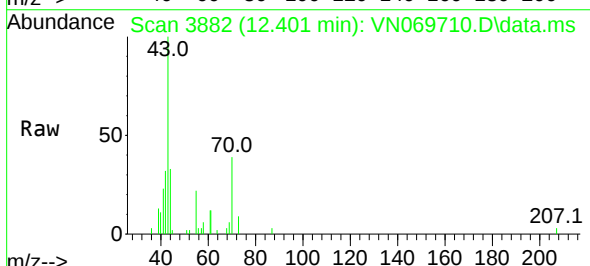
Instrument :
MSVOA_N
ClientSampleId :



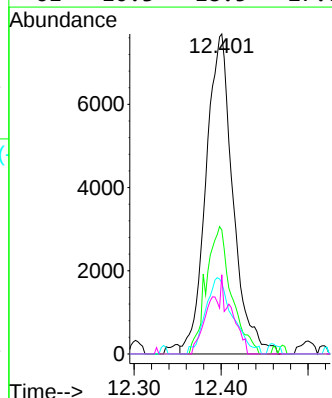
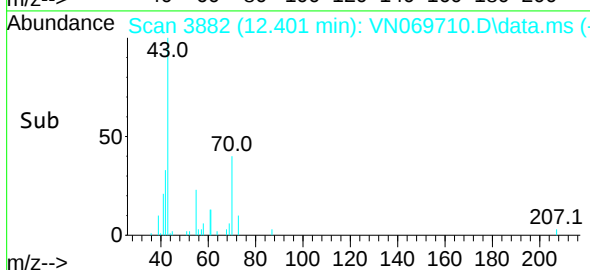
Tgt Ion:152 Resp: 908484
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 157.9 0.0 344.4

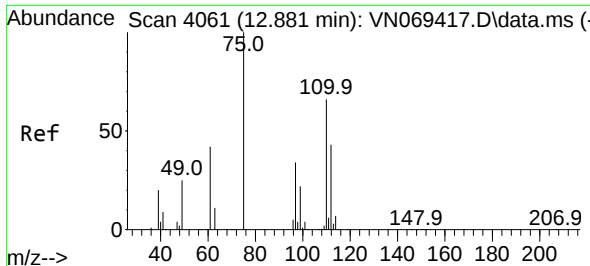


#74
N-ethyl acetate
Concen: 0.463 ug/l
RT: 12.401 min Scan# 3882
Delta R.T. 0.013 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02



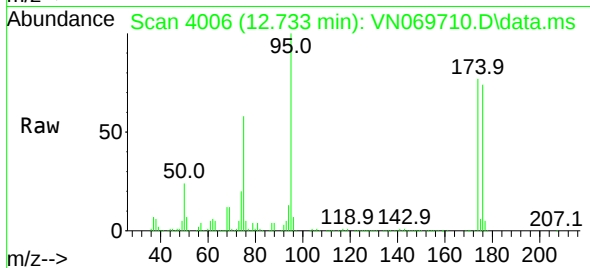
Tgt Ion: 43 Resp: 16552
Ion Ratio Lower Upper
43 100
70 37.2 33.4 50.0
55 24.1 19.3 28.9
61 10.3 18.5 27.7#



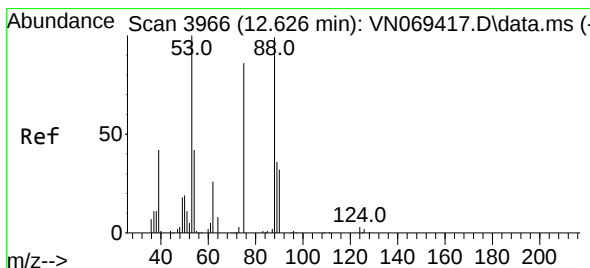
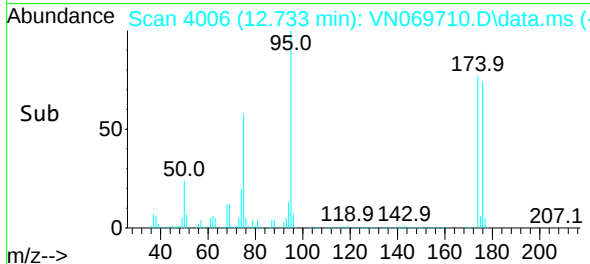
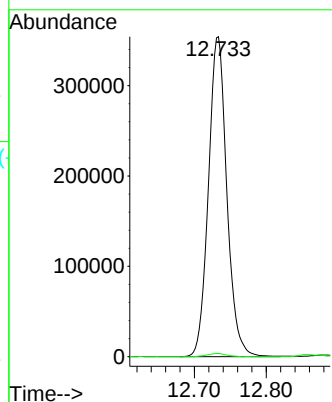


#76
 1,2,3-Trichloropropane
 Concen: 24.216 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Instrument :
 MSVOA_N
 ClientSampleId :

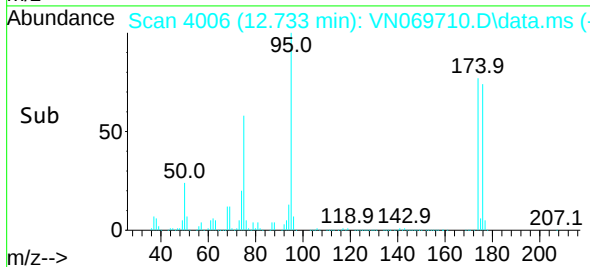
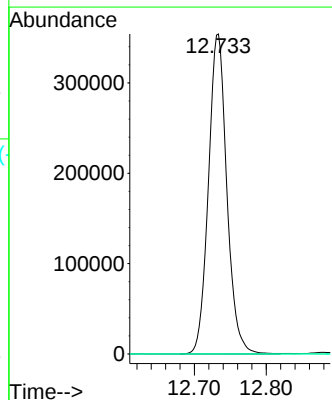
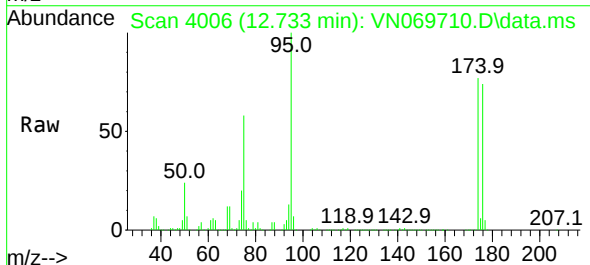


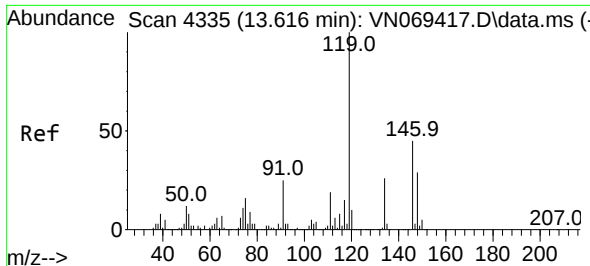
Tgt Ion: 75 Resp: 630915
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.881 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069710.D
 Acq: 3 Dec 2021 11:02

Tgt Ion: 75 Resp: 630915
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

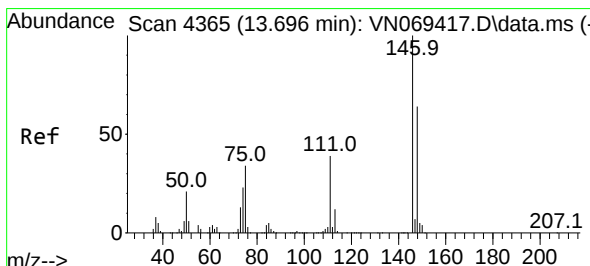
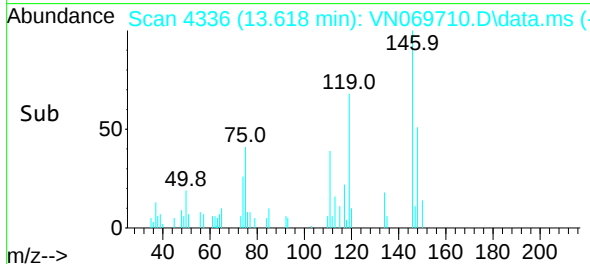
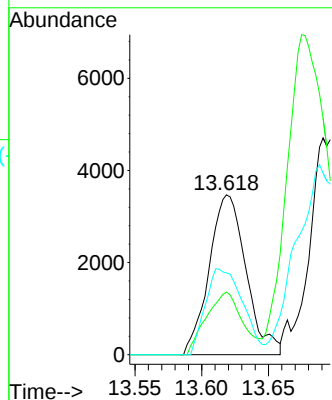
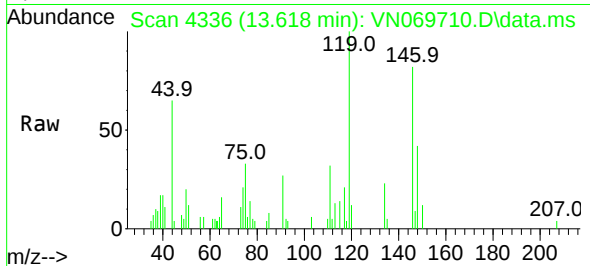




#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 13.618 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

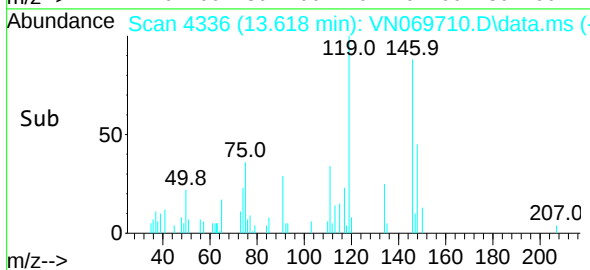
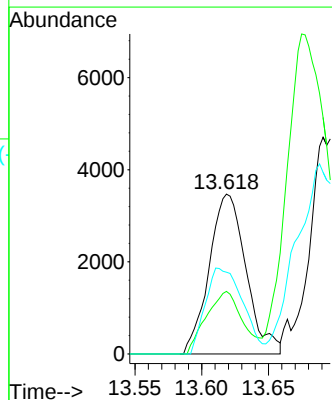
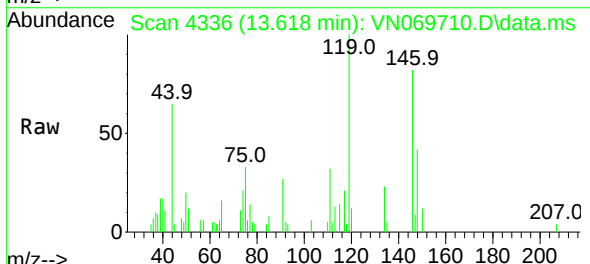
Instrument :
MSVOA_N
ClientSampleId :

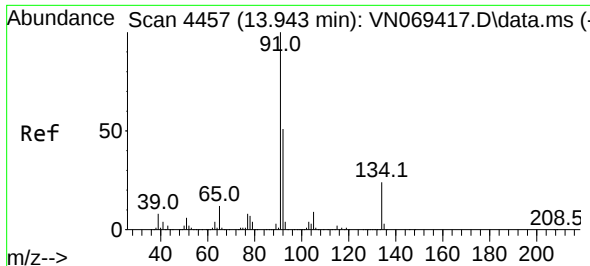
Tgt Ion:146 Resp: 6678
Ion Ratio Lower Upper
146 100
111 39.0 18.6 55.6
148 54.8 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion:146 Resp: 6678
Ion Ratio Lower Upper
146 100
111 39.0 18.3 54.8
148 54.8 31.8 95.4

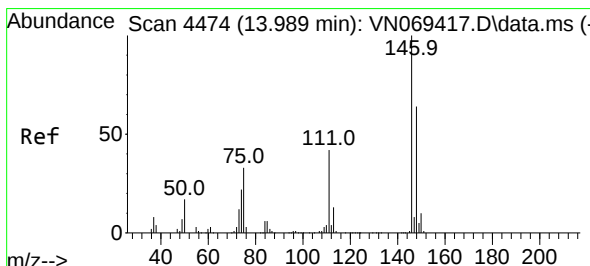
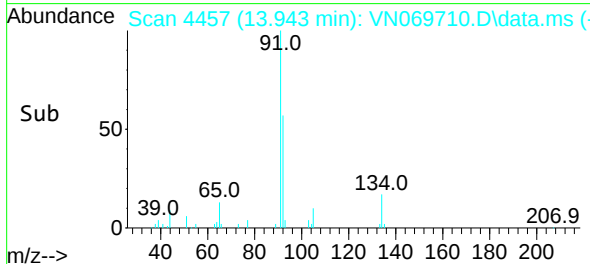
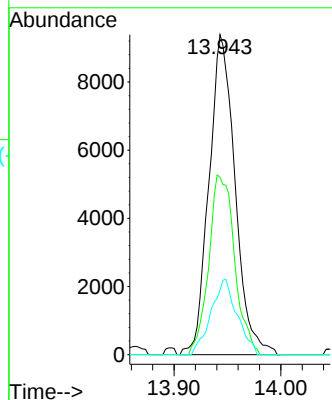
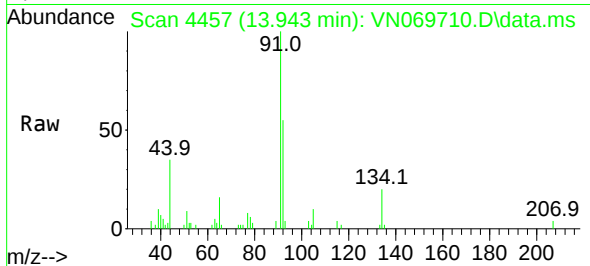




#89
n-Butylbenzene
Concen: 0.321 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

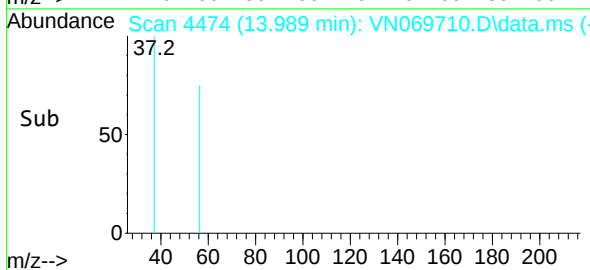
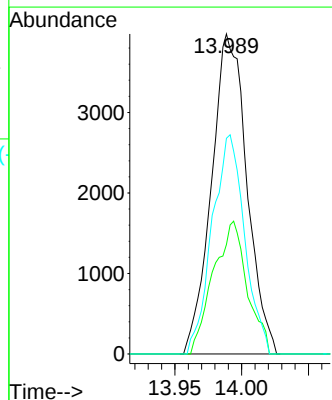
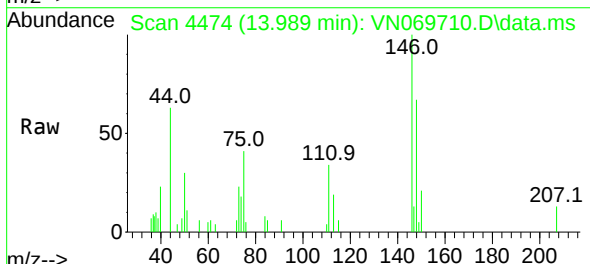
Instrument :
MSVOA_N
ClientSampleId :

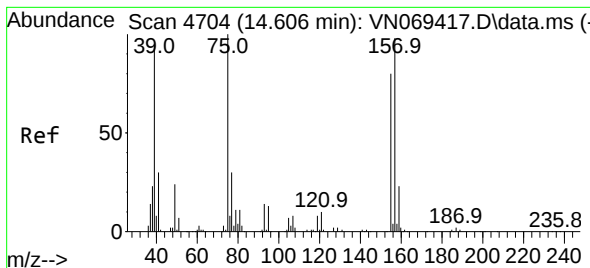
Tgt Ion: 91 Resp: 15927
Ion Ratio Lower Upper
91 100
92 55.5 25.4 76.0
134 23.5 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.241 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion: 146 Resp: 7325
Ion Ratio Lower Upper
146 100
111 39.8 19.1 57.3
148 62.9 32.1 96.3

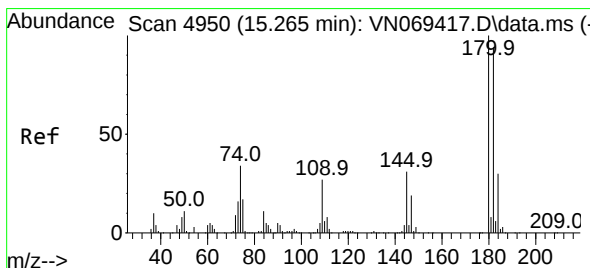
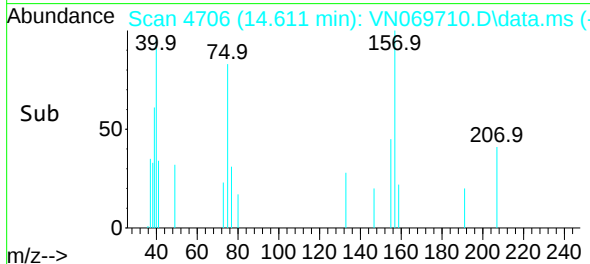
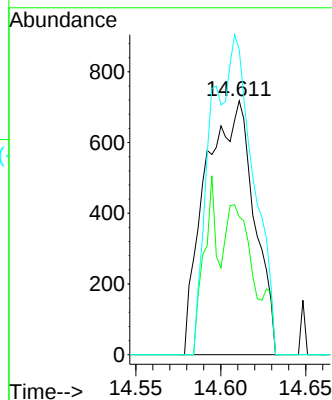
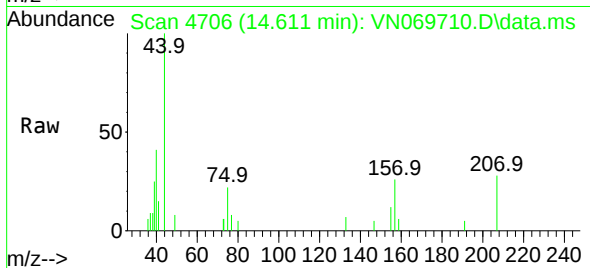




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.284 ug/l
RT: 14.611 min Scan# 41
Delta R.T. 0.008 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

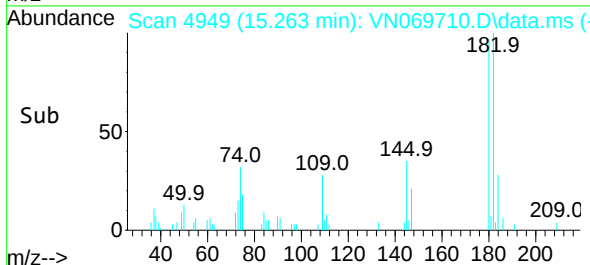
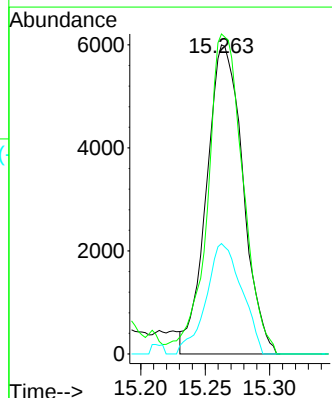
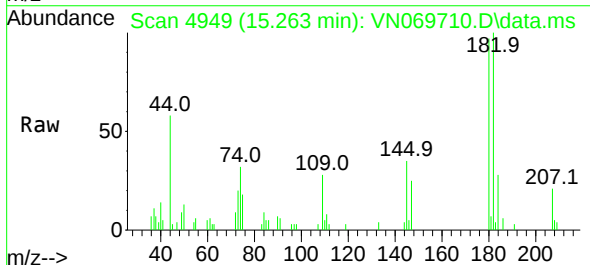
Instrument :
MSVOA_N
ClientSampleId :

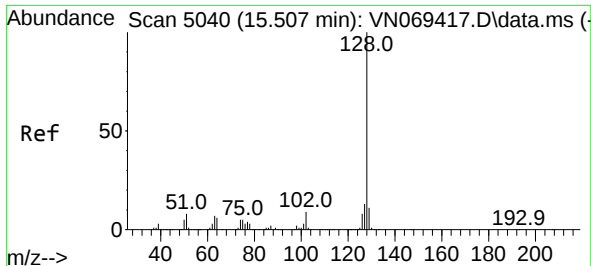
Tgt Ion: 75 Resp: 1434
Ion Ratio Lower Upper
75 100
155 35.5 46.9 140.7#
157 64.6 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 3.621 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion:180 Resp: 11759
Ion Ratio Lower Upper
180 100
182 100.8 48.3 144.9
145 35.1 14.5 43.5

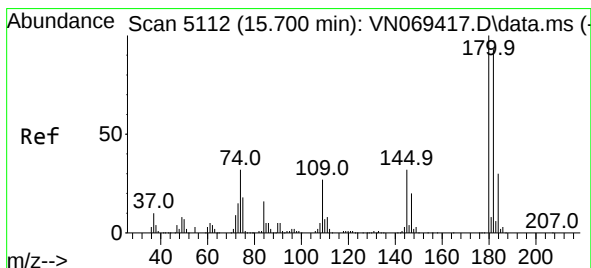
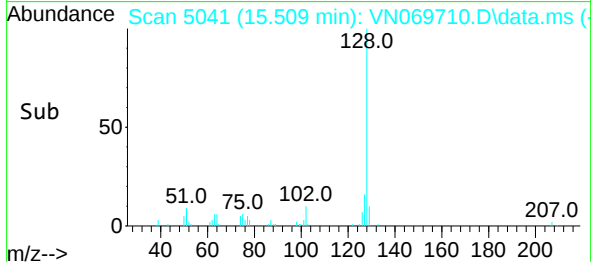
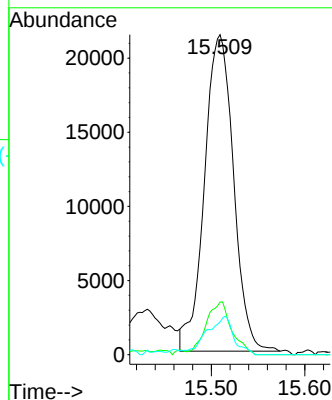
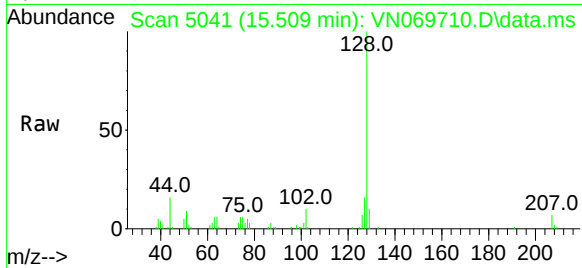




#95
Naphthalene
Concen: 4.942 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	11.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.383 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069710.D
Acq: 3 Dec 2021 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	30.5	15.0	45.1

