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 Data File : VN069946.D
 Acq On : 10 Dec 2021 6:45
 Operator : JC/MD
 Sample : M4966-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

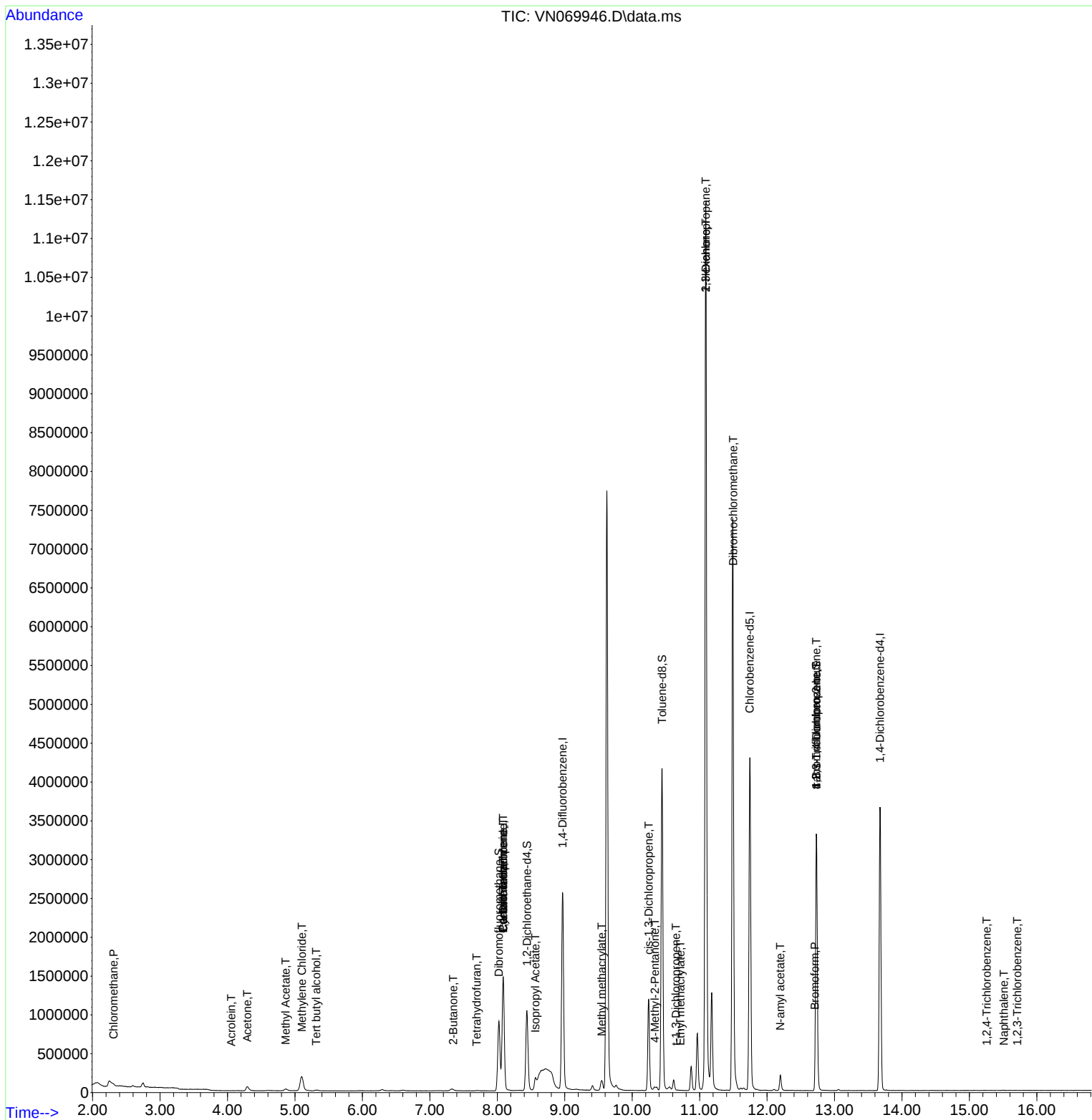
Instrument :
 MSVOA_N
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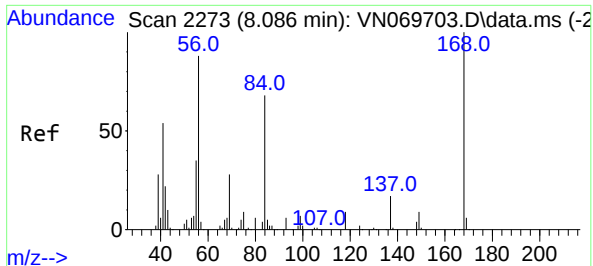
Quant Time: Dec 10 08:16:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1073554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2109491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2412005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	972688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	887722	53.556	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.120%	
35) Dibromofluoromethane	8.024	113	649764	49.175	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.340%	
50) Toluene-d8	10.443	98	2797197	52.721	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.440%	
62) 4-Bromofluorobenzene	12.731	95	1145646	59.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 119.200%	
Target Compounds						Qvalue
3) Chloromethane	2.309	50	3591	0.229	ug/l #	81
11) Tert butyl alcohol	5.315	59	4276	1.365	ug/l #	71
13) Acrolein	4.055	56	740	0.277	ug/l #	67
16) Acetone	4.293	43	96709	9.699	ug/l	99
18) Methyl Acetate	4.862	43	47868	1.590	ug/l #	90
20) Methylene Chloride	5.103	84	133192	10.048	ug/l	87
25) 2-Butanone	7.348	43	18548	1.369	ug/l	97
29) Tetrahydrofuran	7.694	42	1934	0.235	ug/l #	72
31) Cyclohexane	8.086	56	28318	1.228	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	94028	4.682	ug/l #	48
38) Carbon Tetrachloride	8.088	117	113199	5.748	ug/l #	17
43) Isopropyl Acetate	8.566	43	199319	4.506	ug/l #	78
48) Methyl methacrylate	9.547	41	37614	1.822	ug/l #	8
51) 4-Methyl-2-Pentanone	10.336	43	18390	0.641	ug/l #	83
53) t-1,3-Dichloropropene	10.650	75	53	2.796	ug/l #	1
54) cis-1,3-Dichloropropene	10.245	75	187407	8.961	ug/l #	73
56) Ethyl methacrylate	10.714	69	489	2.296	ug/l #	24
57) 1,3-Dichloropropane	11.092	76	112597	4.229	ug/l #	43
59) 2-Hexanone	11.092	43	2009735	92.589	ug/l #	47
60) Dibromochloromethane	11.497	129	961	2.433	ug/l #	11
71) Bromoform	12.709	173	276	2.749	ug/l #	29
74) N-amyl acetate	12.194	43	72649	1.898	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	639380	22.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	639380	72.987	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.254	180	231	2.892	ug/l #	67
95) Naphthalene	15.512	128	2604	4.036	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.710	180	116	2.443	ug/l #	81

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

Quant Time: Dec 10 08:16:39 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

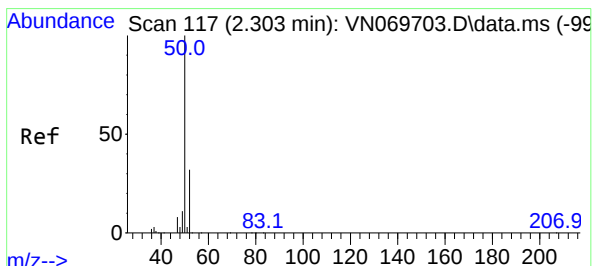
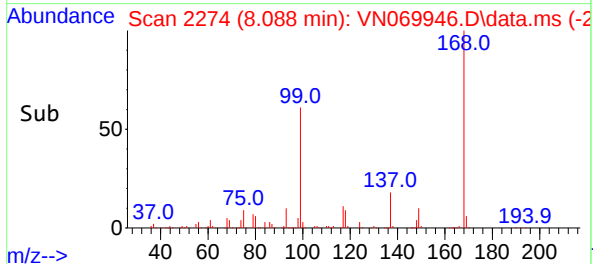
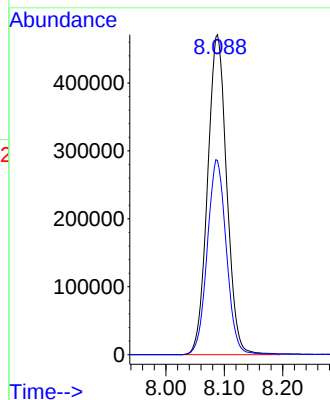
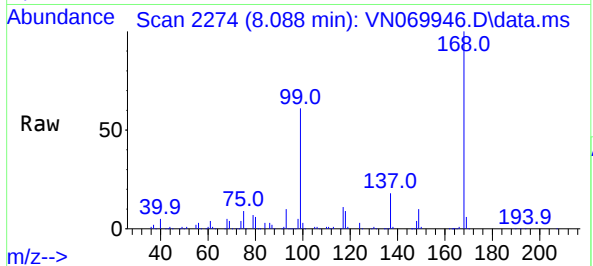




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

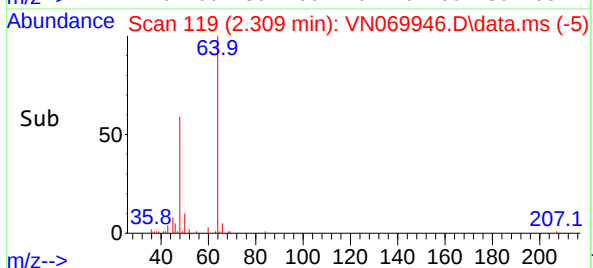
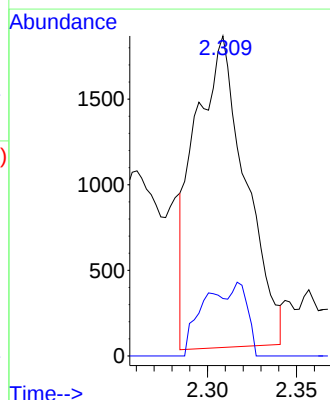
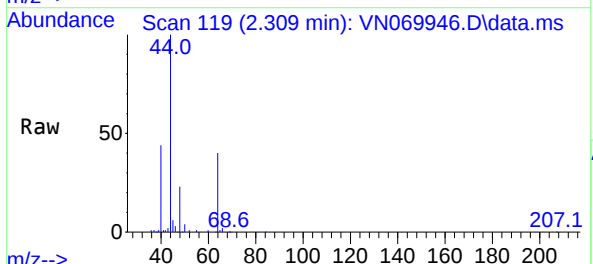
Instrument :
MSVOA_N
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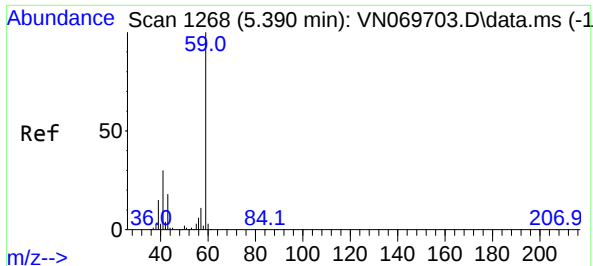
Tgt Ion:168 Resp: 1073554
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.005 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 50 Resp: 3591
Ion Ratio Lower Upper
50 100
52 21.3 25.4 38.0#

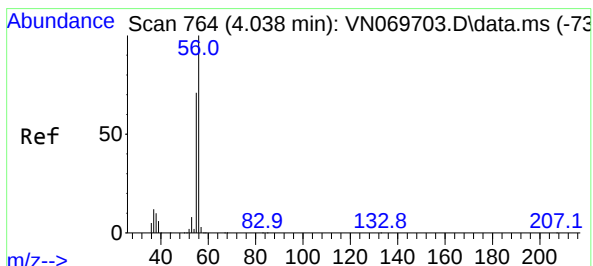
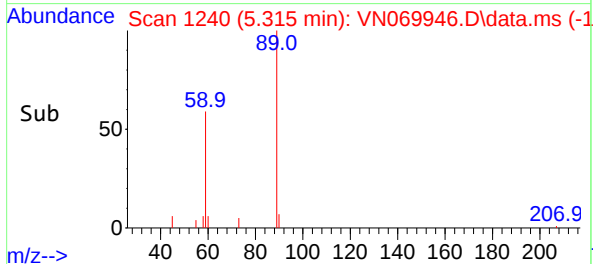
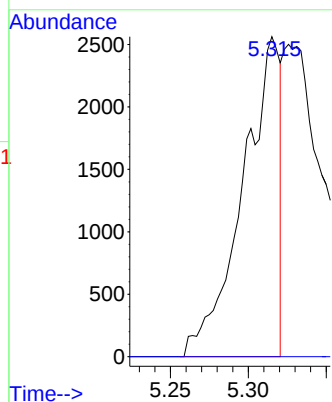
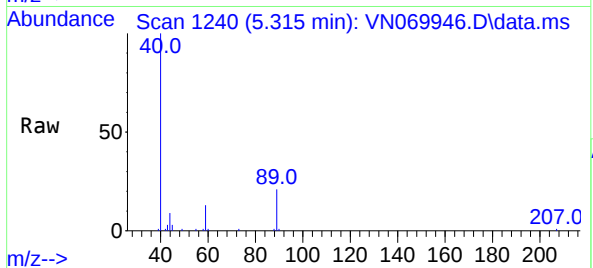




#11
Tert butyl alcohol
Concen: 1.365 ug/l
RT: 5.315 min Scan# 11
Delta R.T. -0.075 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

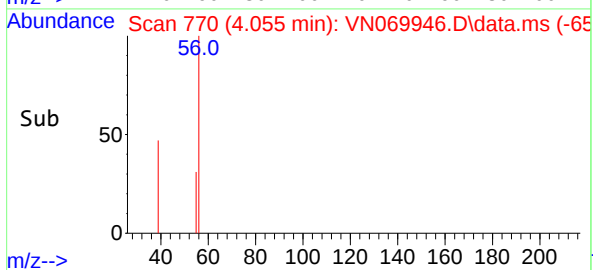
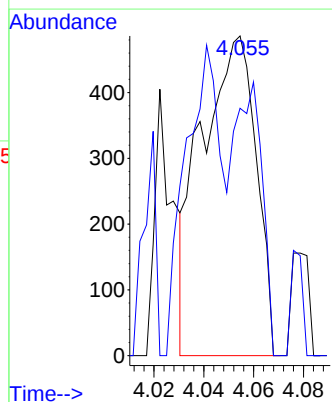
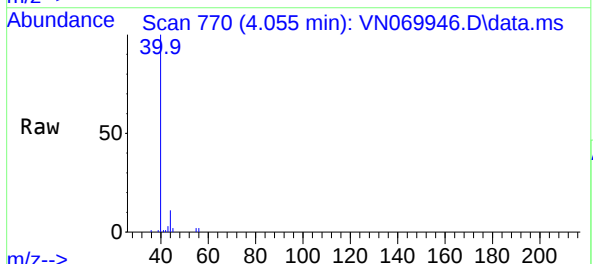
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MSVOA_N
ClientSampleId :
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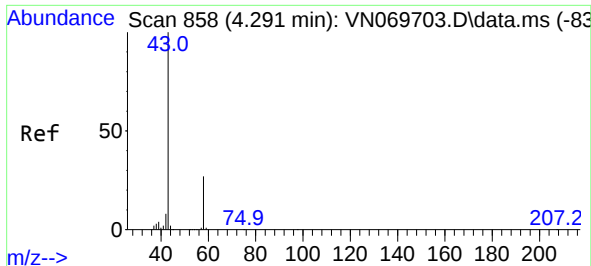
Tgt Ion: 59 Resp: 4276
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.277 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 56 Resp: 740
Ion Ratio Lower Upper
56 100
55 43.6 56.6 85.0#

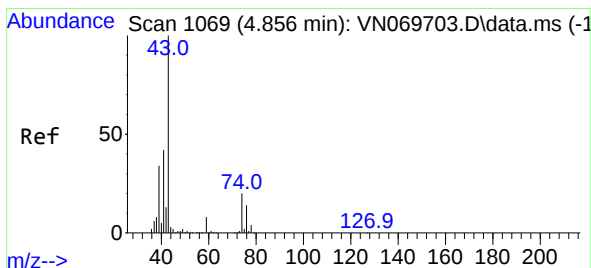
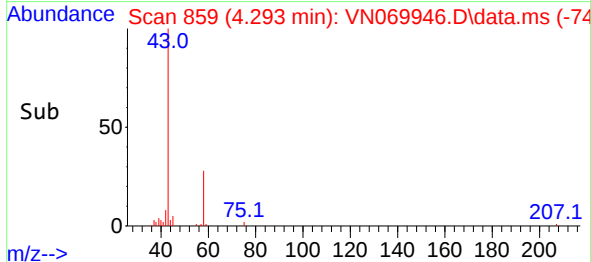
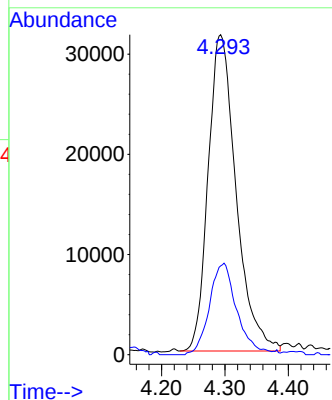
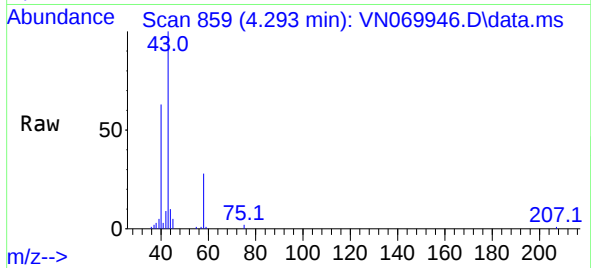




#16
Acetone
Concen: 9.699 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

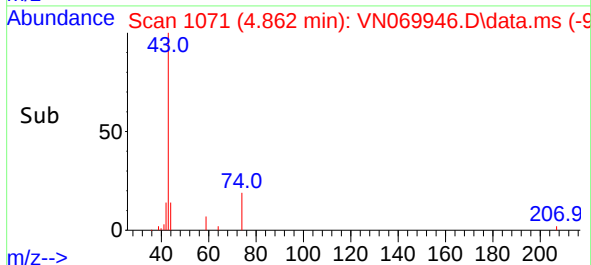
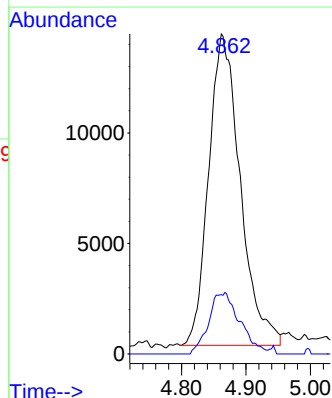
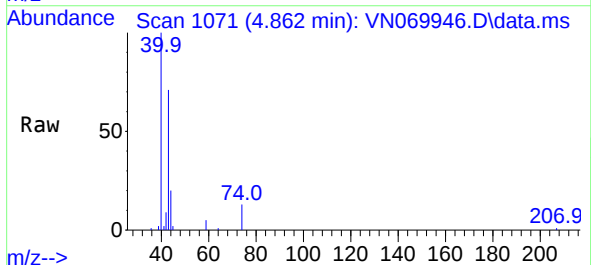
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MSVOA_N
ClientSampleId :
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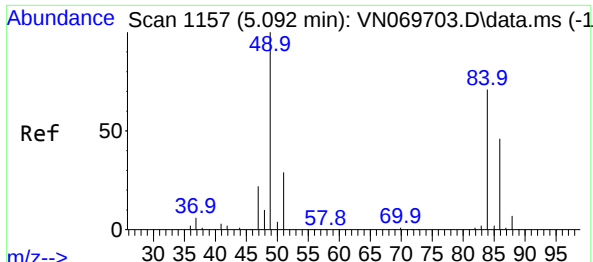
Tgt Ion: 43 Resp: 96709
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



#18
Methyl Acetate
Concen: 1.590 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 43 Resp: 47868
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#



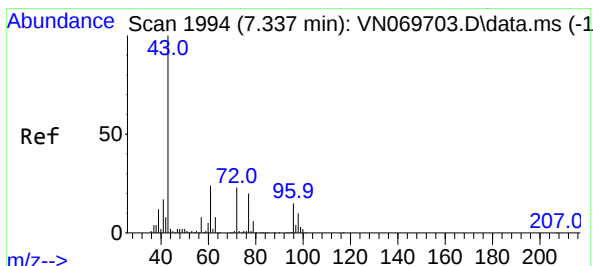
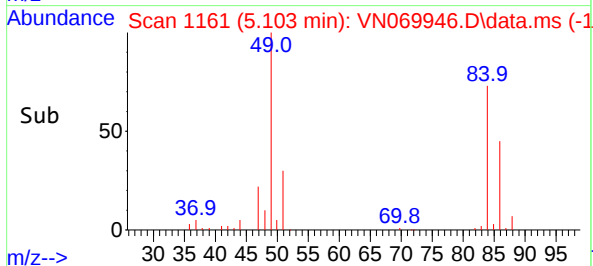
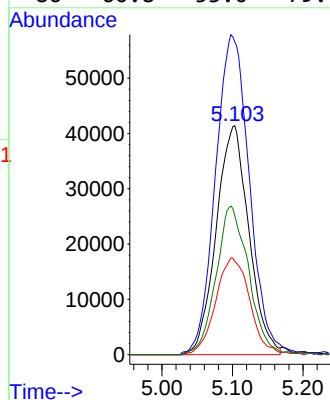
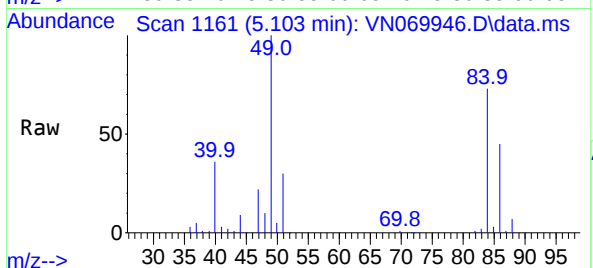


#20
Methylene Chloride
Concen: 10.048 ug/l
RT: 5.103 min Scan# 1157
Delta R.T. 0.011 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 84 Resp: 133192

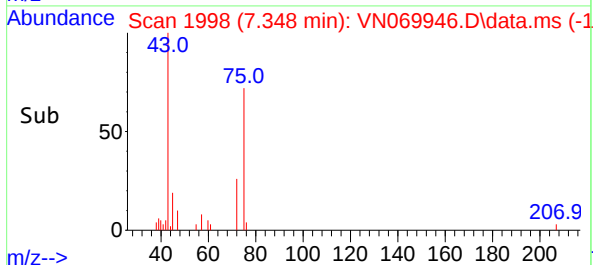
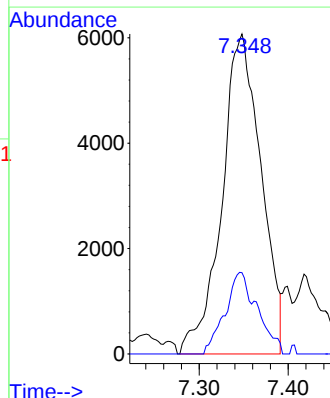
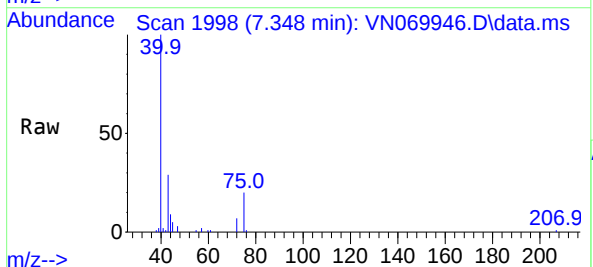
Ion	Ratio	Lower	Upper
84	100		
49	136.6	93.5	140.3
51	40.7	29.4	44.2
86	60.8	53.0	79.4

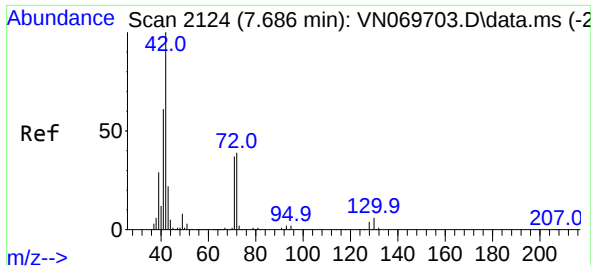


#25
2-Butanone
Concen: 1.369 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 43 Resp: 18548

Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.7	32.5

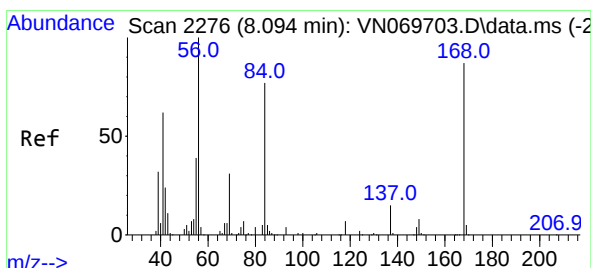
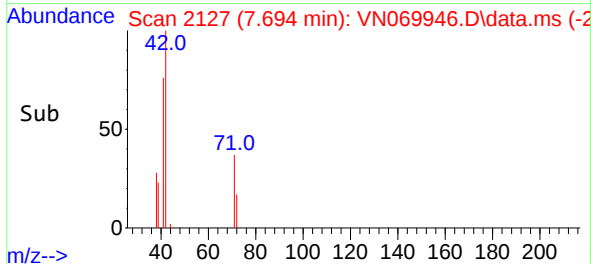
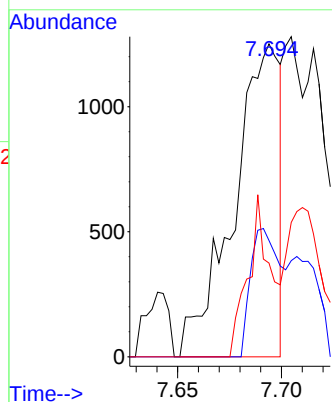
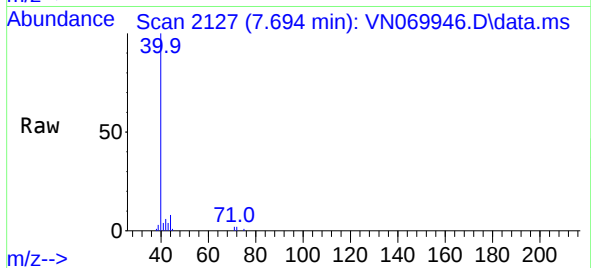




#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 7.694 min Scan# 2124
Delta R.T. 0.008 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

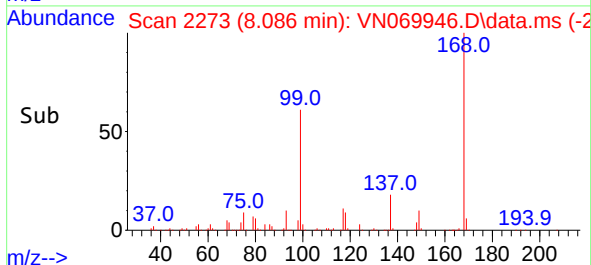
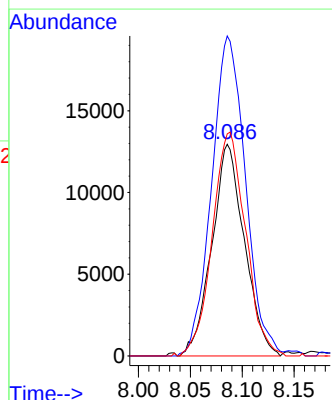
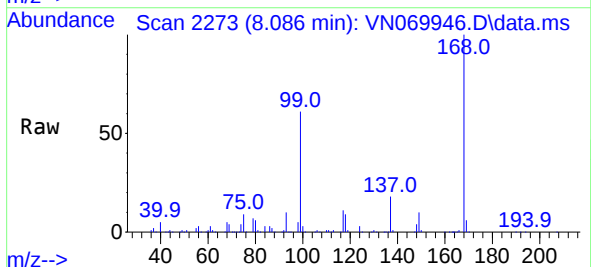
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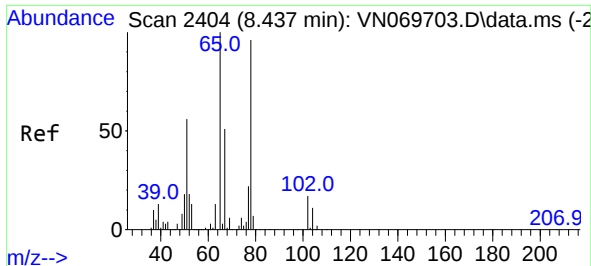
Tgt Ion:	42	Resp:	1934
Ion	Ratio	Lower	Upper
42	100		
72	26.8	36.3	54.5#
71	25.3	34.7	52.1#



#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion:	56	Resp:	28318
Ion	Ratio	Lower	Upper
56	100		
69	150.0	27.1	40.7#
84	105.0	73.4	110.0

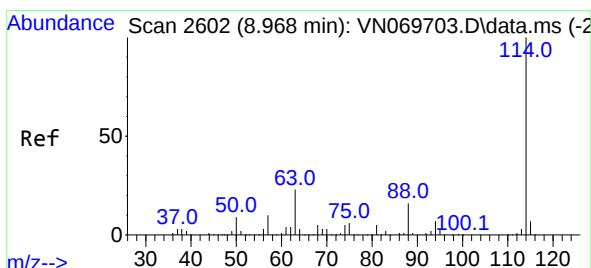
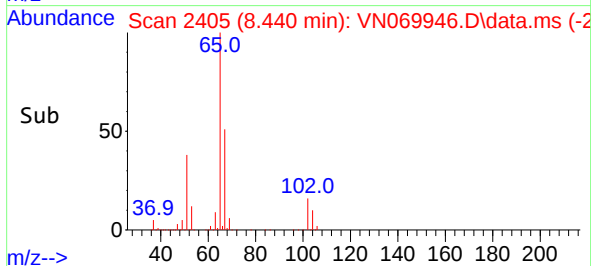
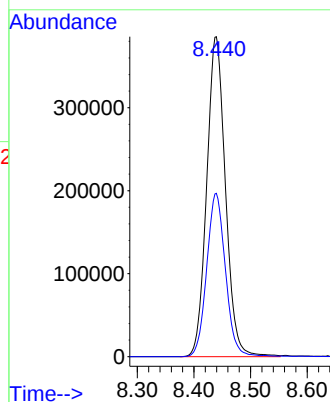
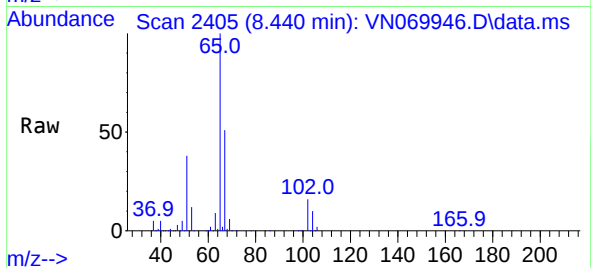




#33
 1,2-Dichloroethane-d4
 Concen: 53.556 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN069946.D
 Acq: 10 Dec 2021 6:45

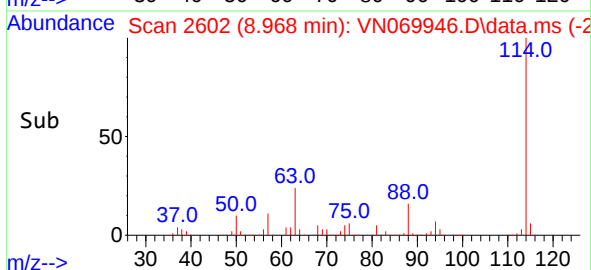
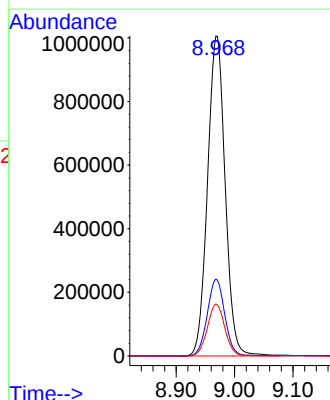
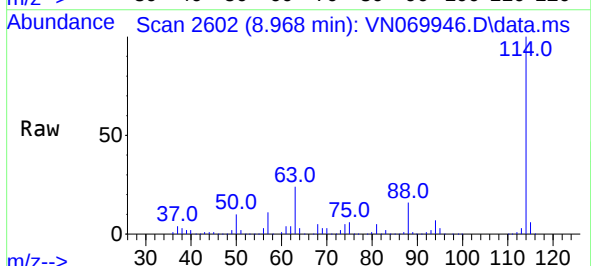
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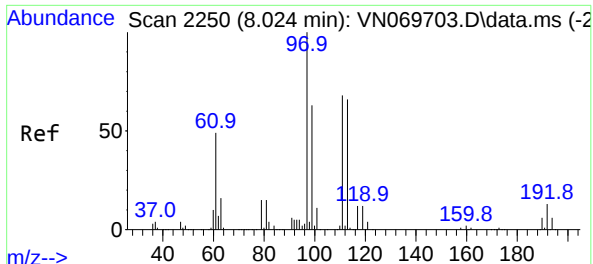
Tgt Ion: 65 Resp: 887722
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069946.D
 Acq: 10 Dec 2021 6:45

Tgt Ion: 114 Resp: 2109491
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 37.8
 88 16.3 0.0 27.4

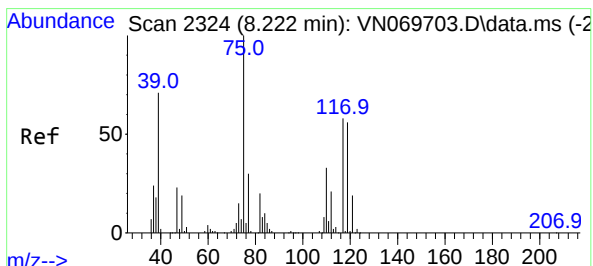
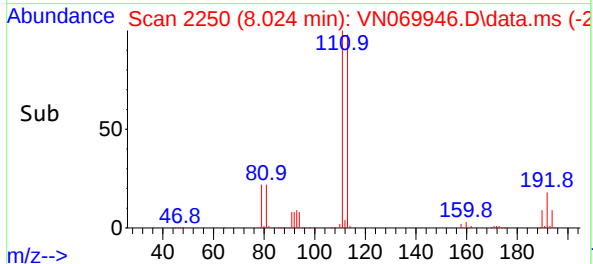
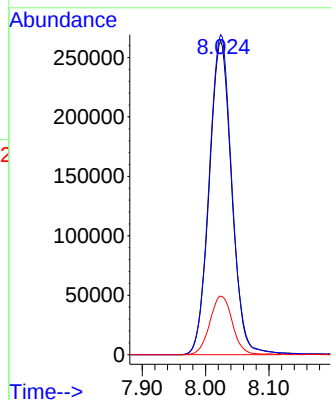
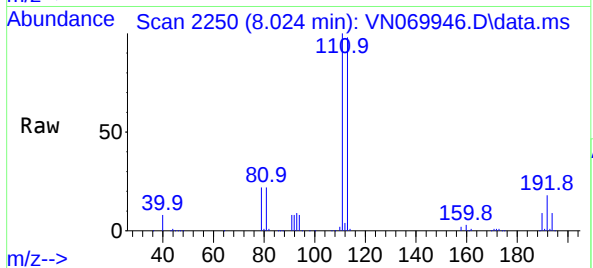




#35
Dibromofluoromethane
Concen: 49.175 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

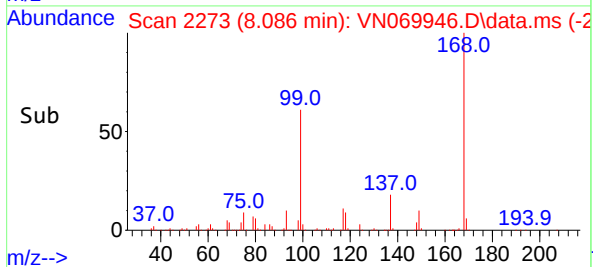
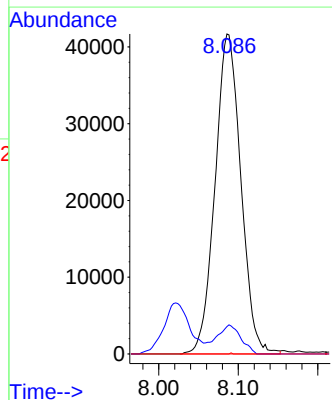
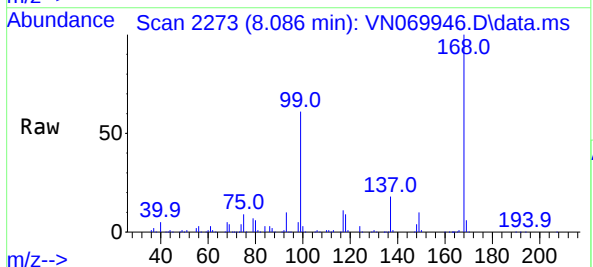
Instrument :
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ClientSampleId :
P14-11

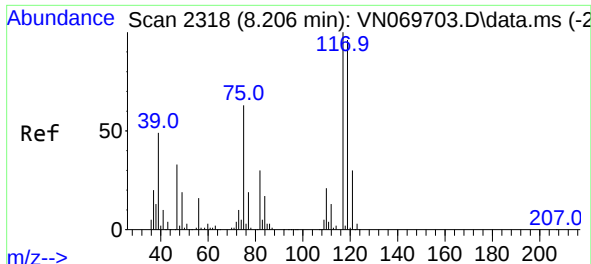
Tgt Ion:113 Resp: 649764
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.682 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 75 Resp: 94028
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#

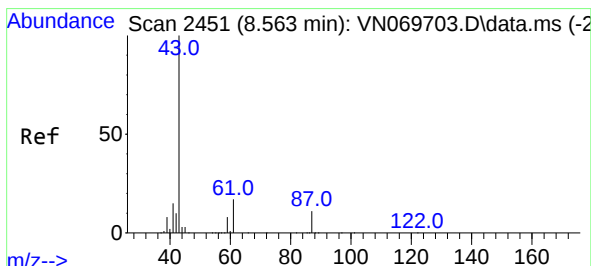
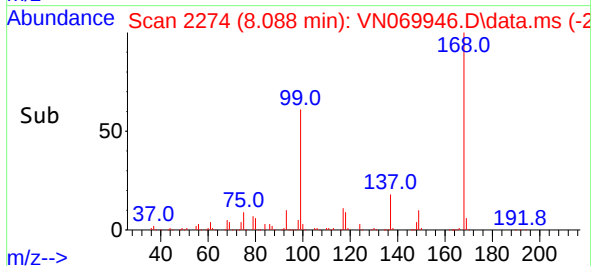
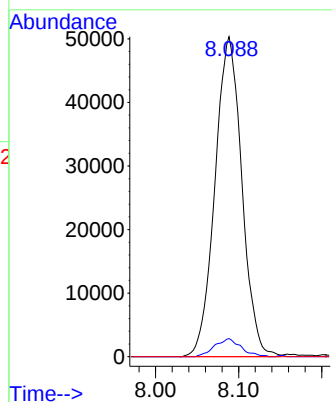
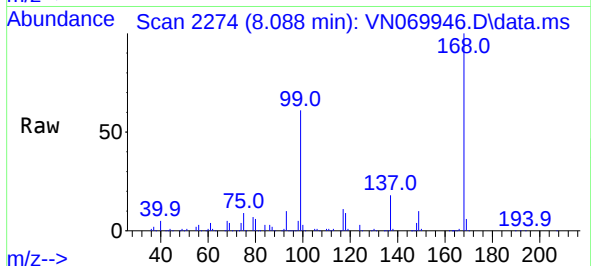




#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

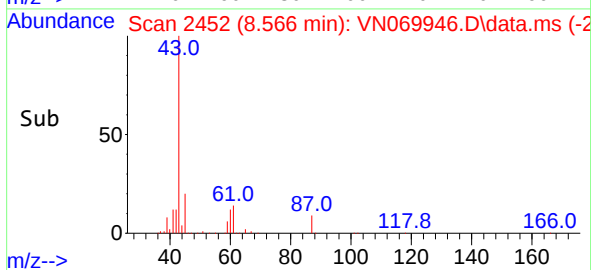
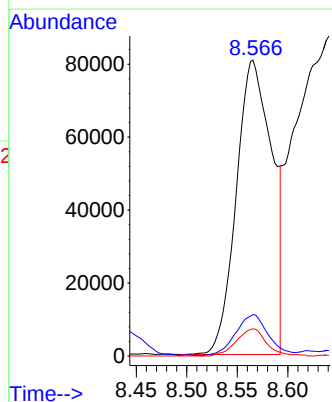
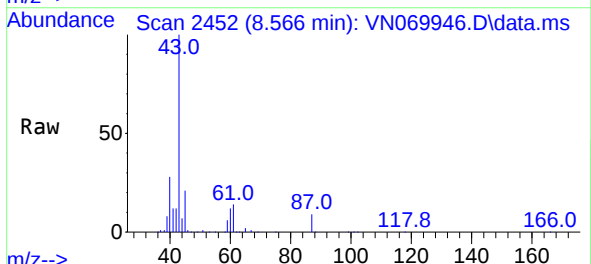
Instrument :
MSVOA_N
ClientSampleId :
P14-11

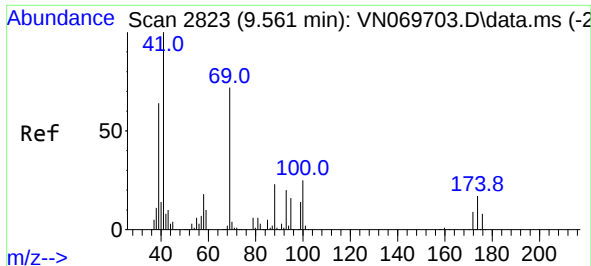
Tgt Ion:117 Resp: 113199
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.506 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 43 Resp: 199319
Ion Ratio Lower Upper
43 100
61 12.9 20.4 30.6#
87 7.8 11.2 16.8#

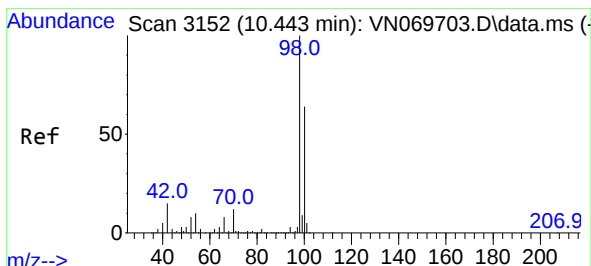
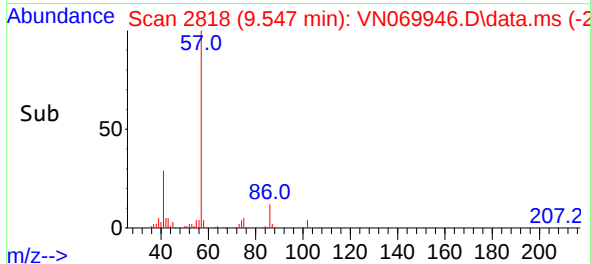
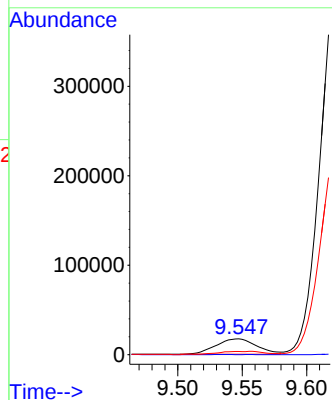
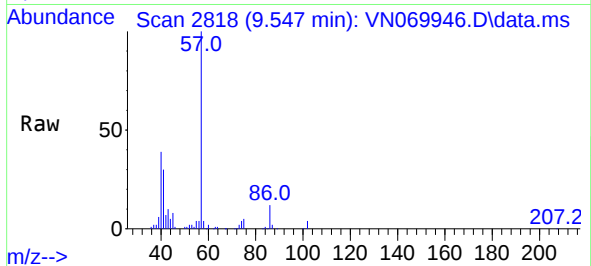




#48
Methyl methacrylate
Concen: 1.822 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

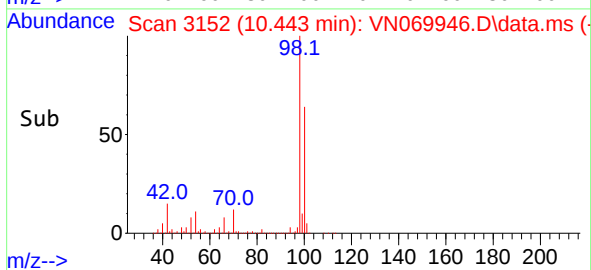
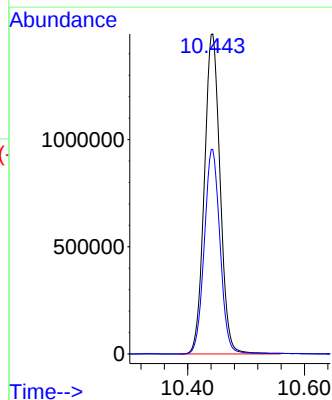
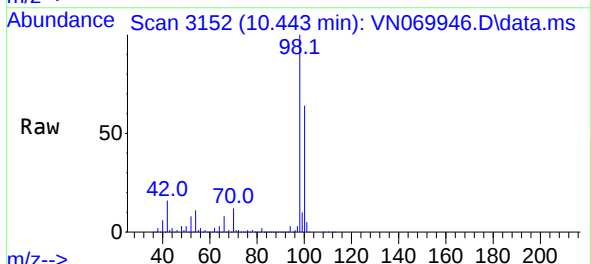
Instrument :
MSVOA_N
ClientSampleId :
P14-11

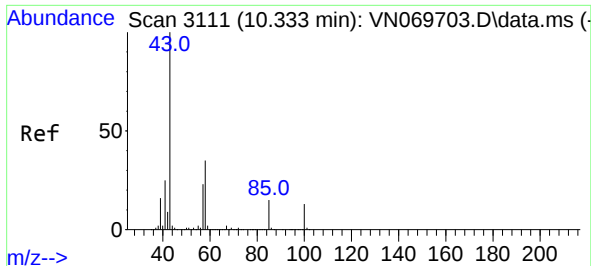
Tgt Ion: 41 Resp: 37614
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 52.721 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 98 Resp: 2797197
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.641 ug/l

RT: 10.336 min Scan# 3111

Delta R.T. 0.003 min

Lab File: VN069946.D

Acq: 10 Dec 2021 6:45

Instrument :

MSVOA_N

ClientSampleId :

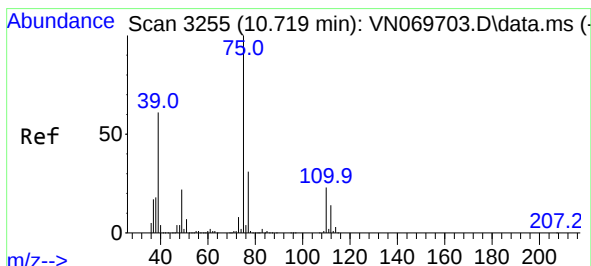
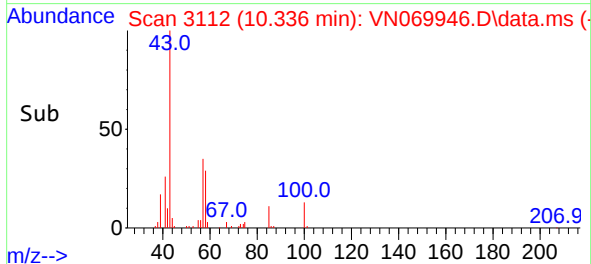
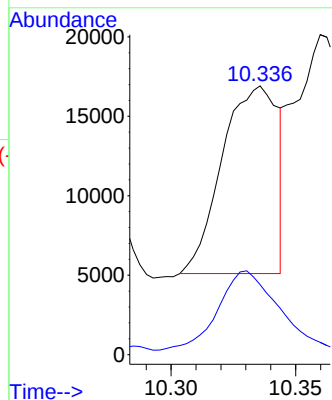
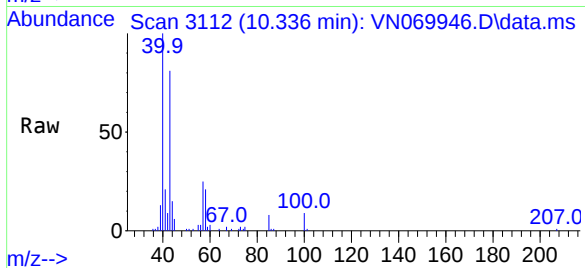
P14-11

Tgt Ion: 43 Resp: 18390

Ion Ratio Lower Upper

43 100

58 48.2 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.796 ug/l

RT: 10.650 min Scan# 3229

Delta R.T. -0.069 min

Lab File: VN069946.D

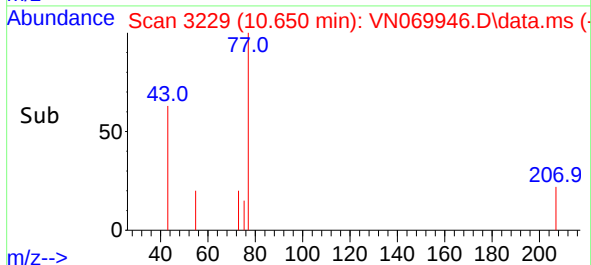
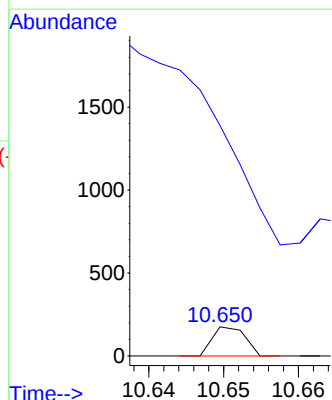
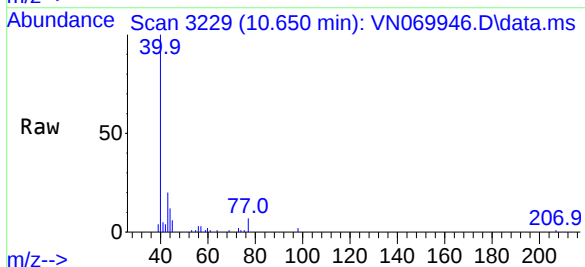
Acq: 10 Dec 2021 6:45

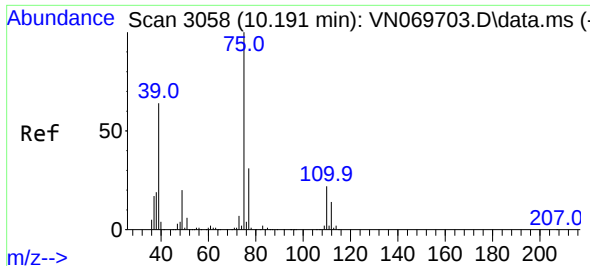
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

77 411.4 25.6 38.4#

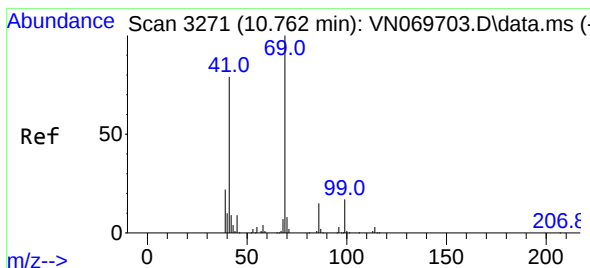
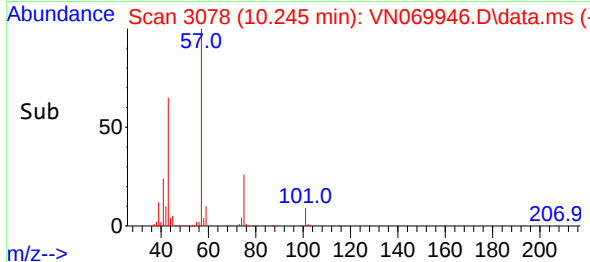
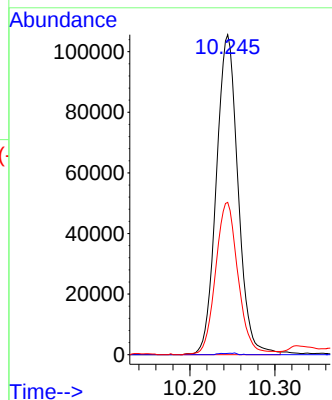
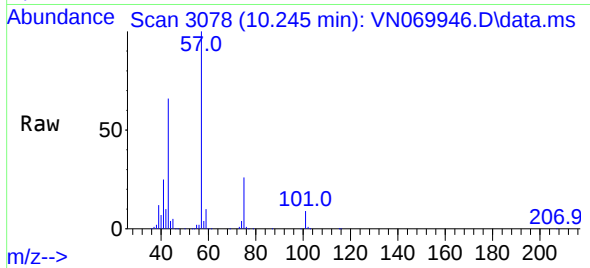




#54
cis-1,3-Dichloropropene
Concen: 8.961 ug/l
RT: 10.245 min Scan# 3058
Delta R.T. 0.054 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

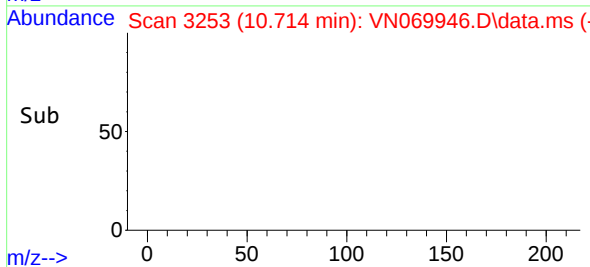
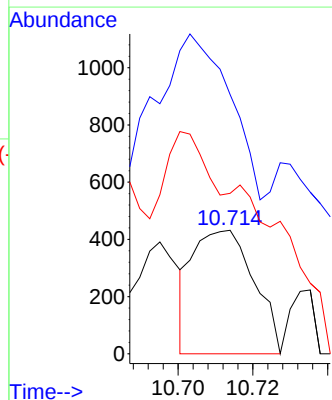
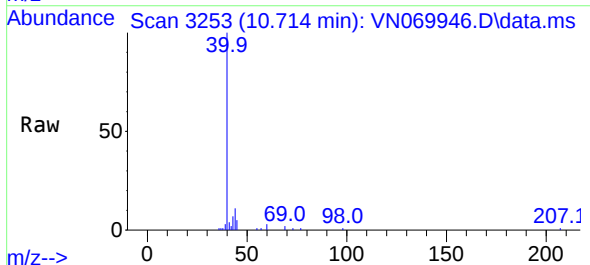
Instrument :
MSVOA_N
ClientSampleId :
P14-11

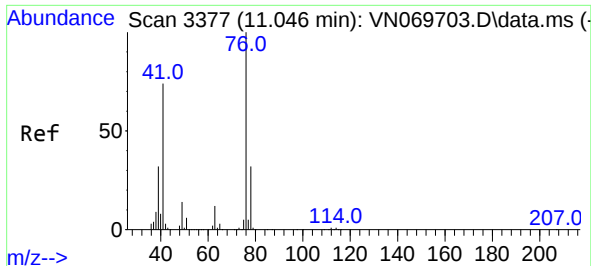
Tgt Ion: 75 Resp: 187407
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 47.6 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.296 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.048 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 69 Resp: 489
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 4.229 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.046 min

Lab File: VN069946.D

Acq: 10 Dec 2021 6:45

Instrument :

MSVOA_N

ClientSampleId :

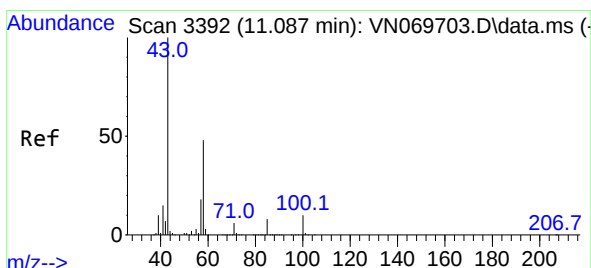
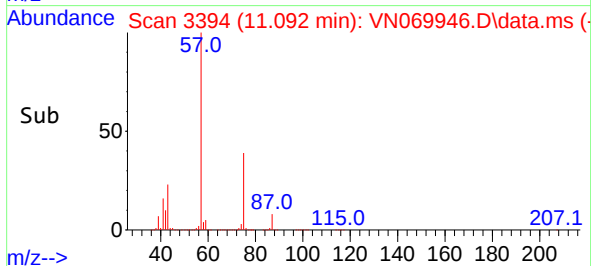
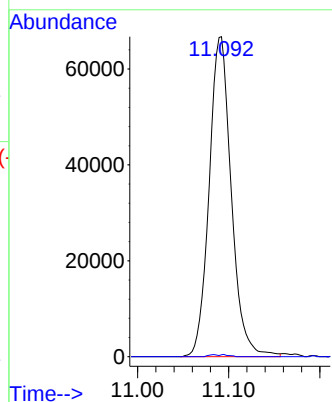
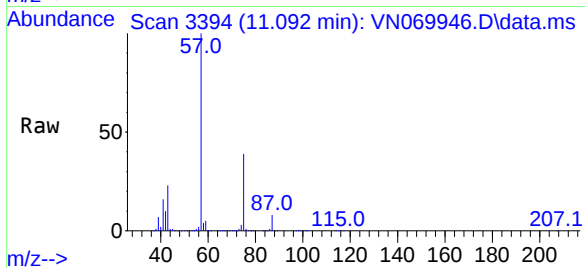
P14-11

Tgt Ion: 76 Resp: 112597

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 92.589 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.005 min

Lab File: VN069946.D

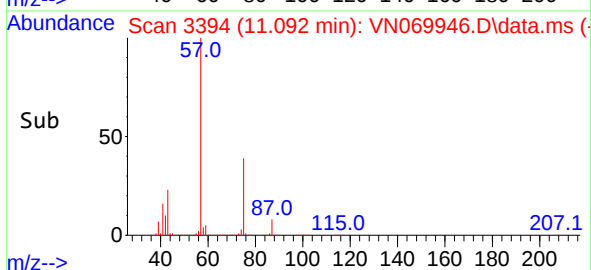
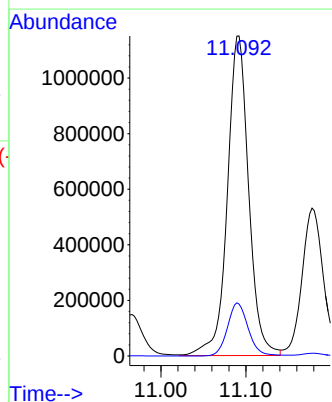
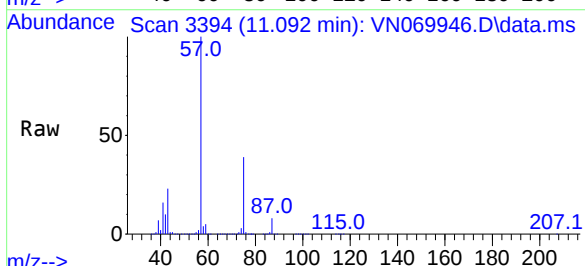
Acq: 10 Dec 2021 6:45

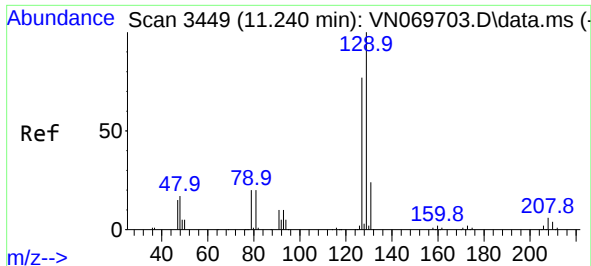
Tgt Ion: 43 Resp: 2009735

Ion Ratio Lower Upper

43 100

58 16.1 26.9 80.7#

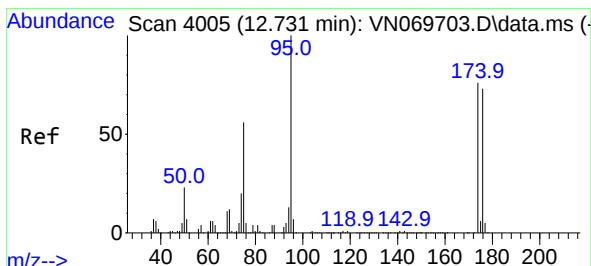
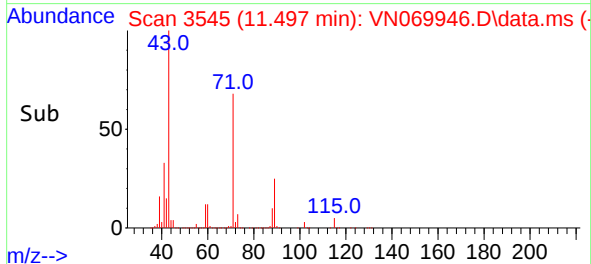
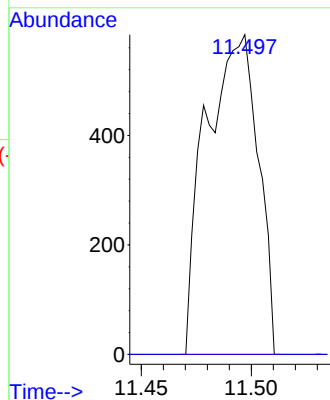
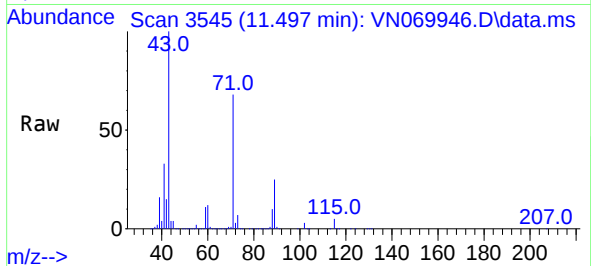




#60
Dibromochloromethane
Concen: 2.433 ug/l
RT: 11.497 min Scan# 311
Delta R.T. 0.257 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

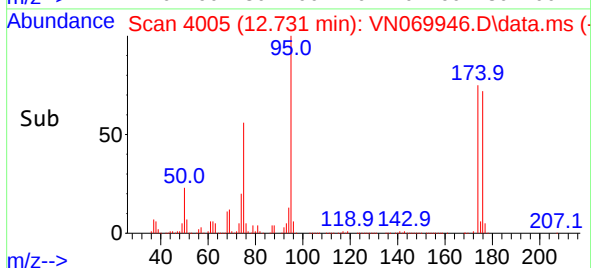
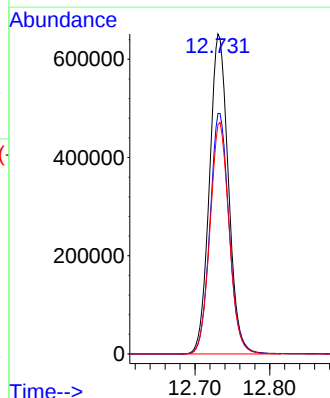
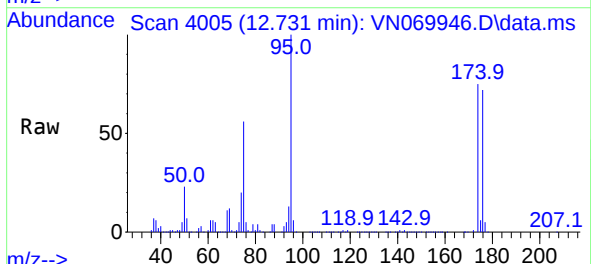
Instrument :
MSVOA_N
ClientSampleId :
P14-11

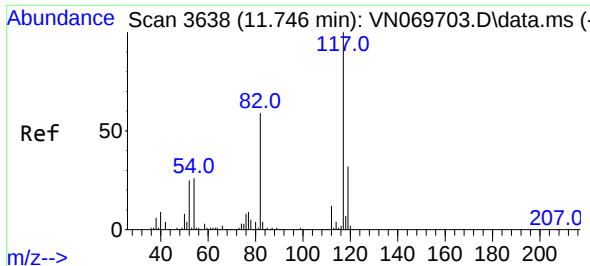
Tgt Ion:129 Resp: 961
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 59.604 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

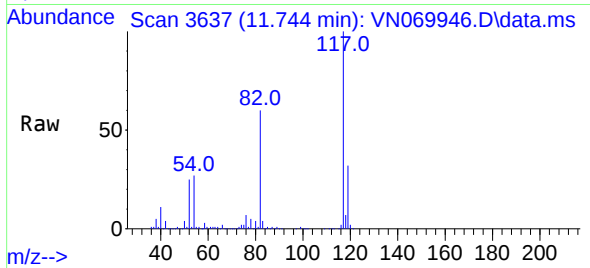
Tgt Ion: 95 Resp: 1145646
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.8 0.0 181.4





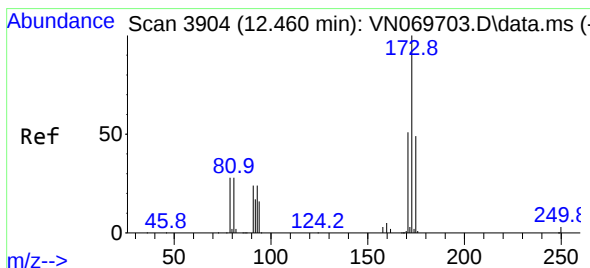
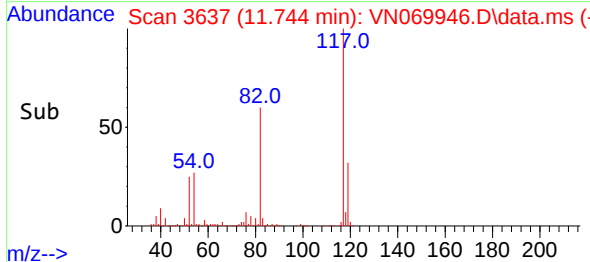
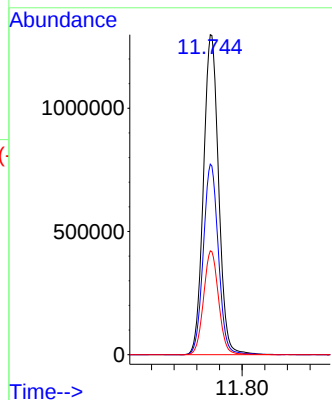
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :
P14-11



Tgt Ion:117 Resp: 2412005

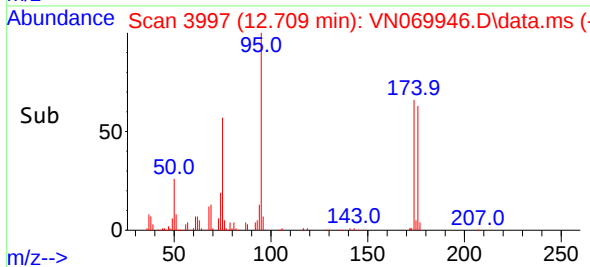
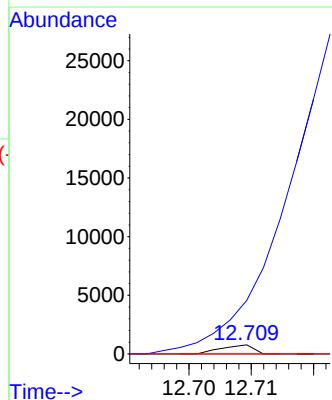
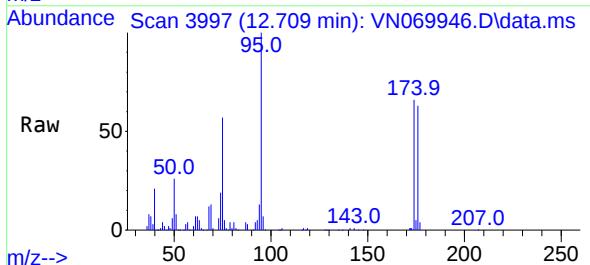
Ion	Ratio	Lower	Upper
117	100		
82	59.5	42.4	63.6
119	32.4	25.4	38.2

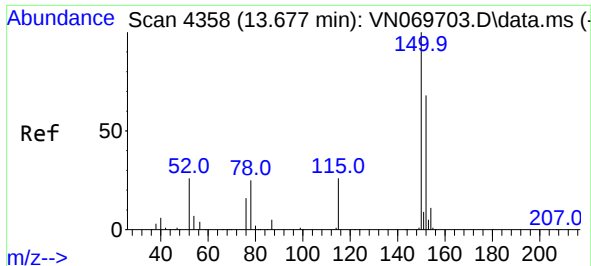


#71
Bromoform
Concen: 2.749 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion:173 Resp: 276

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

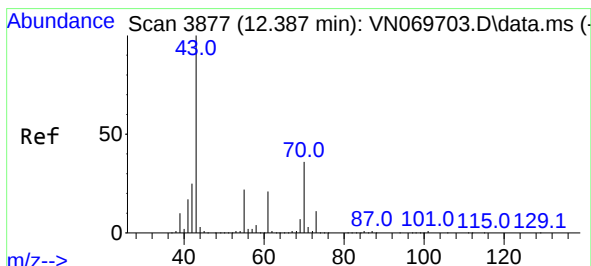
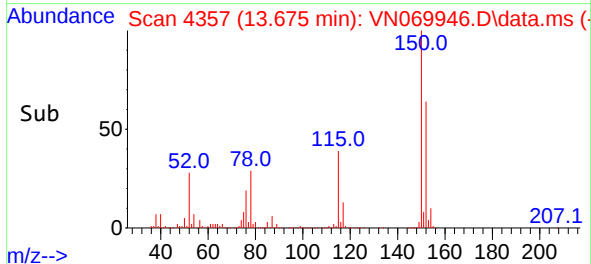
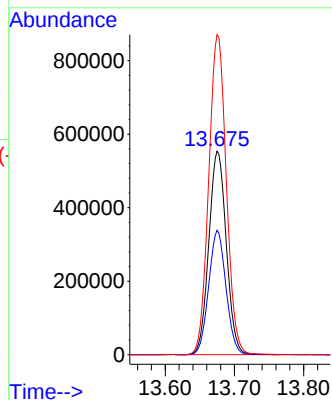
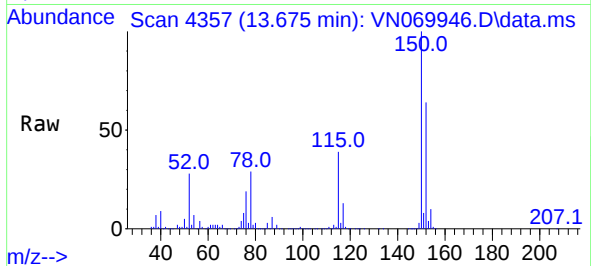




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

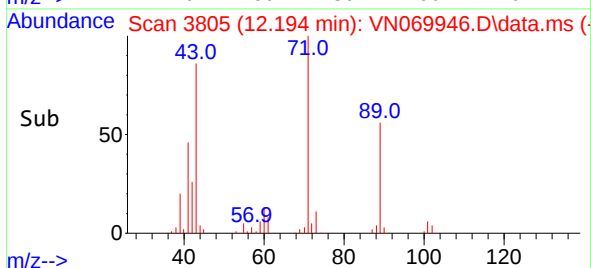
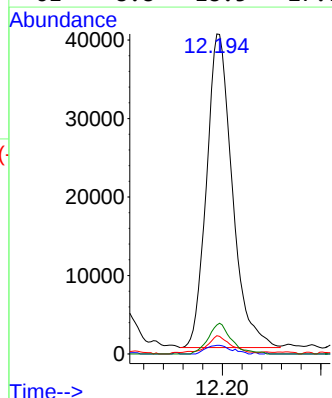
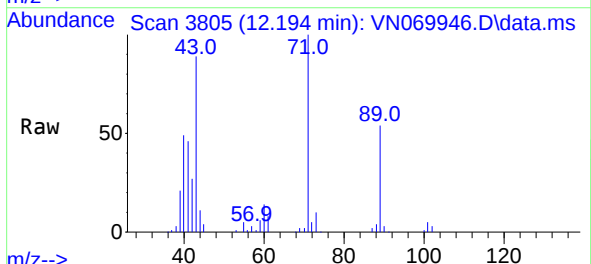
Instrument :
MSVOA_N
ClientSampleId :
P14-11

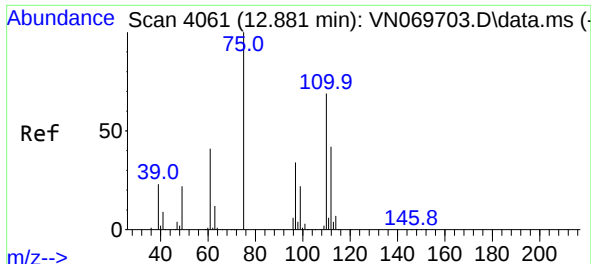
Tgt Ion:152 Resp: 972688
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 158.2 0.0 344.4



#74
N-ethyl acetate
Concen: 1.898 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.193 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Tgt Ion: 43 Resp: 72649
Ion Ratio Lower Upper
43 100
70 2.7 33.4 50.0#
55 5.9 19.3 28.9#
61 8.8 18.5 27.7#

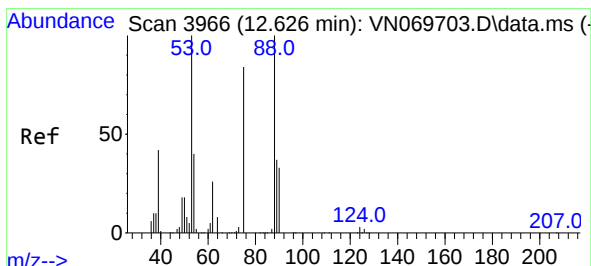
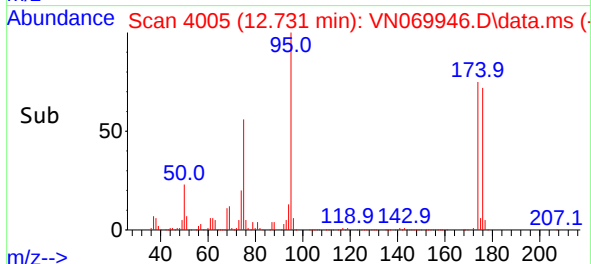
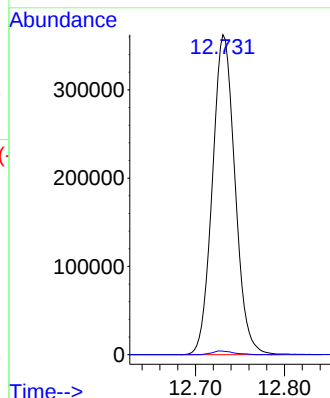
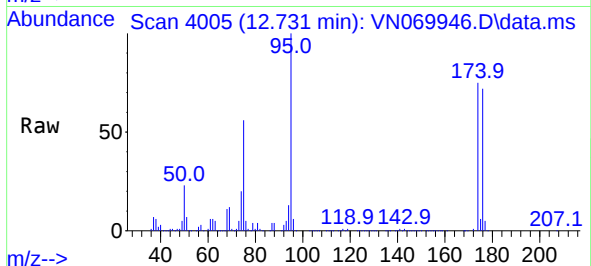




#76
1,2,3-Trichloropropane
Concen: 22.921 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

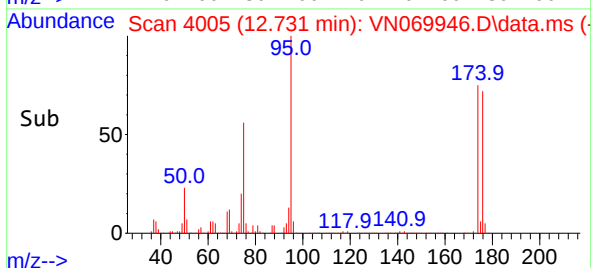
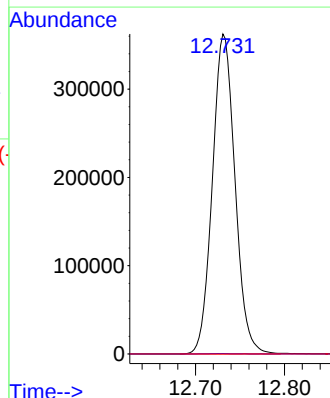
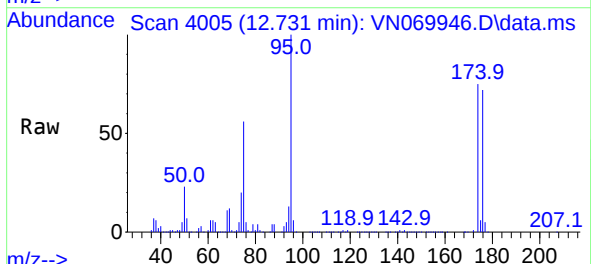
Instrument :
MSVOA_N
ClientSampleId :
P14-11

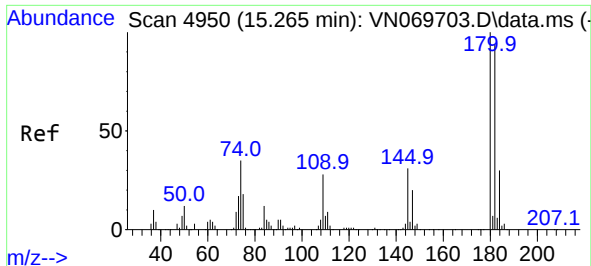
Tgt Ion: 75 Resp: 639380
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.987 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

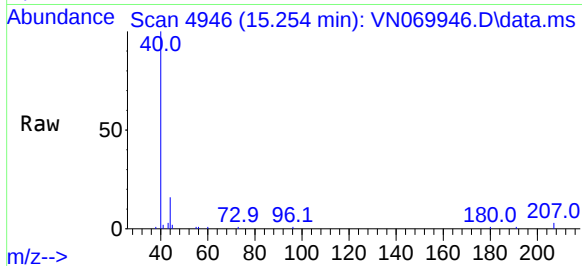
Tgt Ion: 75 Resp: 639380
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



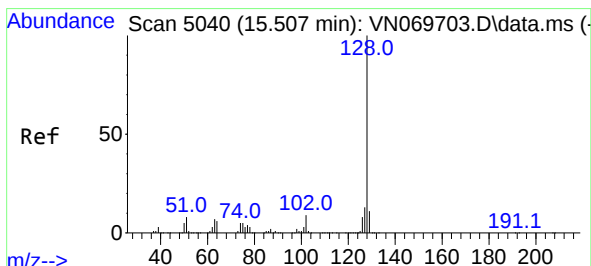
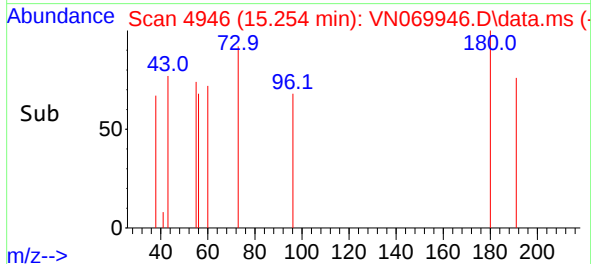
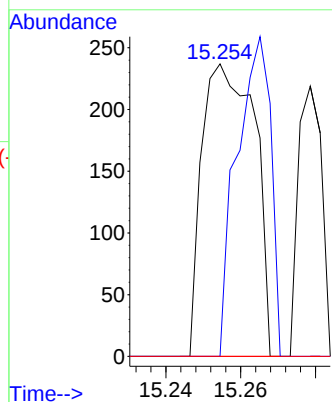


#93
1,2,4-Trichlorobenzene
Concen: 2.892 ug/l
RT: 15.254 min Scan# 4950
Delta R.T. -0.011 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :
P14-11

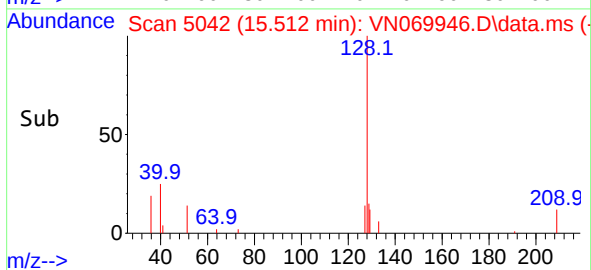
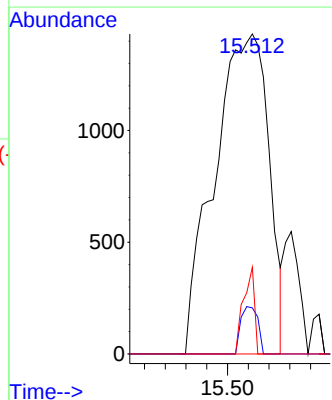
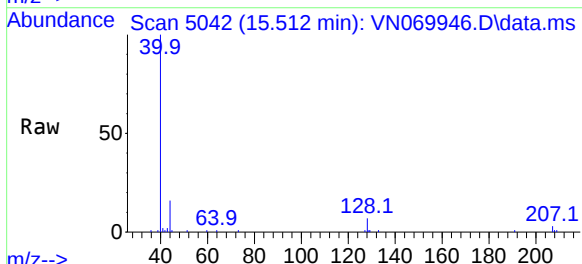


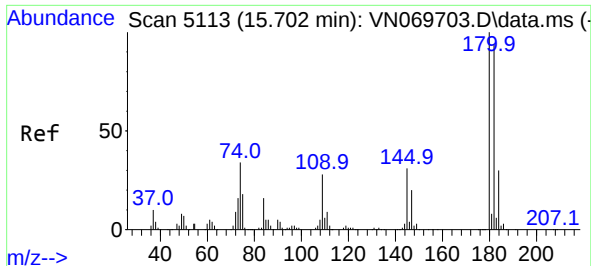
Tgt Ion:180 Resp: 231
Ion Ratio Lower Upper
180 100
182 70.1 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.036 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069946.D
Acq: 10 Dec 2021 6:45

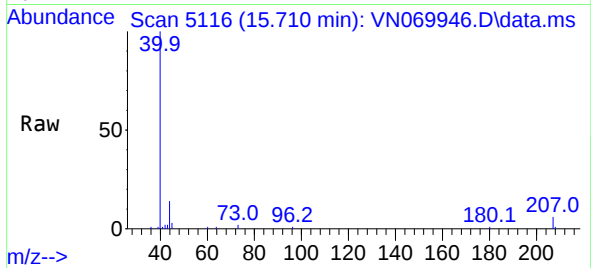
Tgt Ion:128 Resp: 2604
Ion Ratio Lower Upper
128 100
127 4.6 10.5 15.7#
129 5.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/l
 RT: 15.710 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN069946.D
 Acq: 10 Dec 2021 6:45

Instrument :
 MSVOA_N
 ClientSampleId :
 P14-11



Tgt Ion:180 Resp: 116
 Ion Ratio Lower Upper
 180 100
 182 87.1 47.4 142.2
 145 0.0 15.0 45.1#

