

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069750.D
 Acq On : 4 Dec 2021 5:39
 Operator : JC/MD
 Sample : M4920-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FDR-20211202-WC-W

Quant Time: Dec 04 07:09:27 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

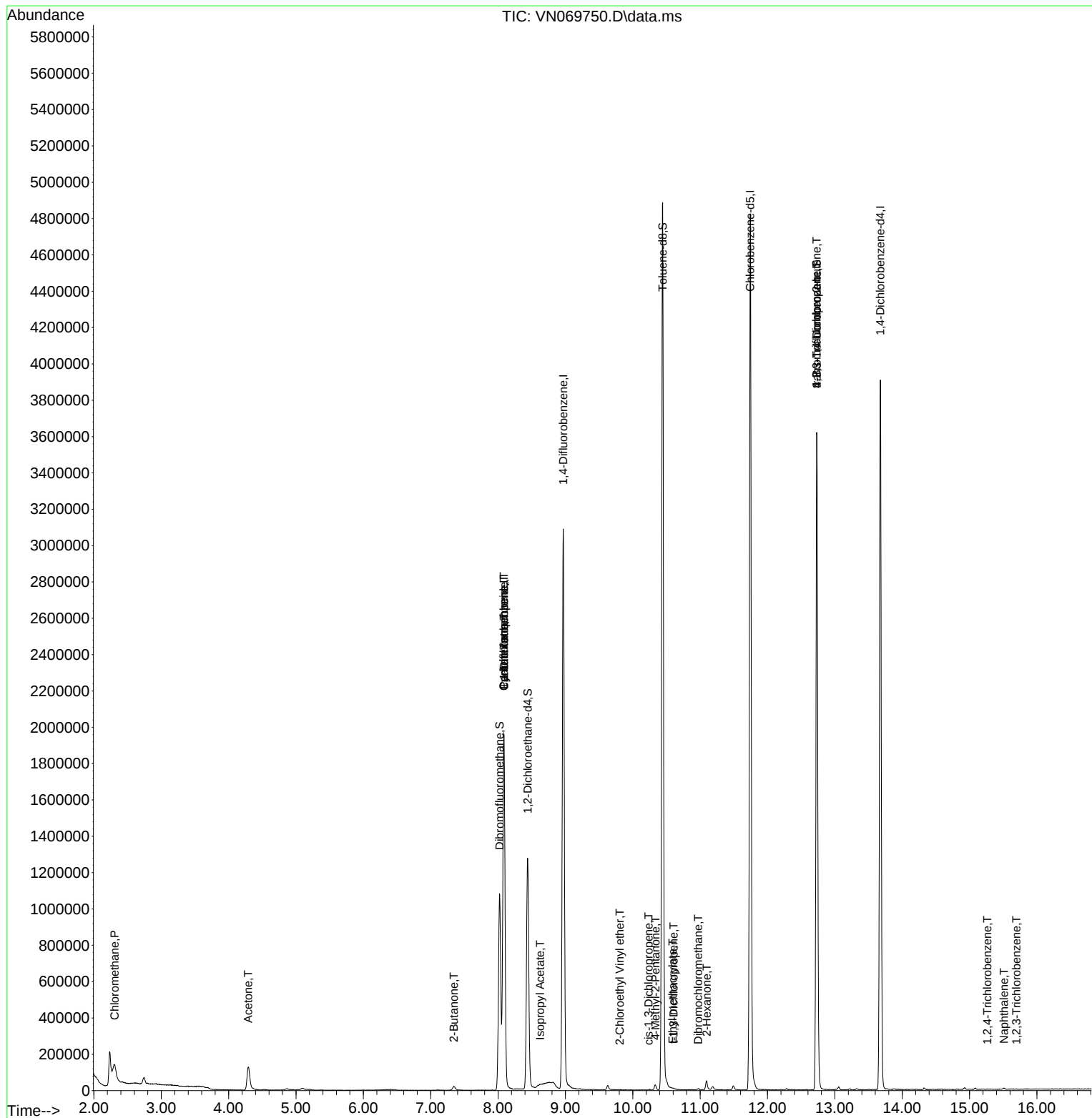
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.085	168	1475423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2608574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2703875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1048526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1126429	49.447	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.900%
35) Dibromofluoromethane	8.024	113	777205	47.566	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.140%
50) Toluene-d8	10.443	98	3347908	51.028	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.060%
62) 4-Bromofluorobenzene	12.731	95	1263843	53.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	7300	0.339	ug/l #	73
16) Acetone	4.288	43	250656	18.291	ug/l	95
25) 2-Butanone	7.343	43	36889	1.981	ug/l	93
31) Cyclohexane	8.088	56	37281	1.176	ug/l #	31
36) 1,1-Dichloropropene	8.085	75	127581	5.138	ug/l #	49
38) Carbon Tetrachloride	8.088	117	151833	6.235	ug/l #	16
43) Isopropyl Acetate	8.625	43	29568	0.541	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	20728	0.584	ug/l	95
53) t-1,3-Dichloropropene	10.607	75	62	2.796	ug/l #	63
54) cis-1,3-Dichloropropene	10.234	75	51	2.000	ug/l #	32
56) Ethyl methacrylate	10.593	69	147	2.283	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.807	63	50	18.394	ug/l #	45
59) 2-Hexanone	11.097	43	10576	0.394	ug/l #	59
60) Dibromochloromethane	10.971	129	376	2.394	ug/l #	11
76) 1,2,3-Trichloropropane	12.731	75	707033	23.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	707033	74.767	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	415	2.901	ug/l #	33
95) Naphthalene	15.509	128	6762	4.107	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.694	180	248	2.450	ug/l #	63

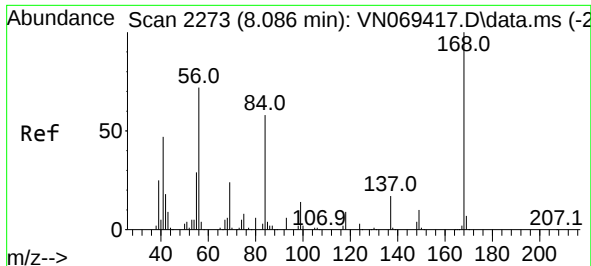
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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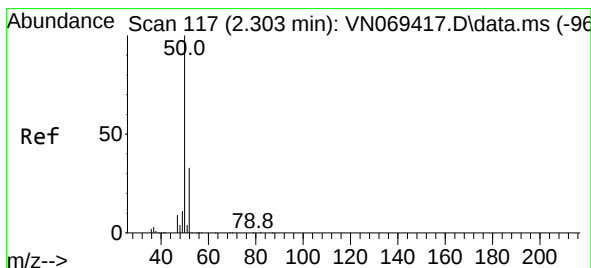
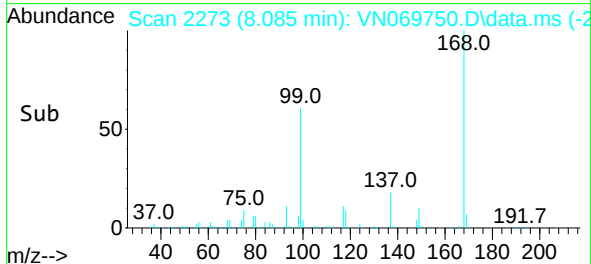
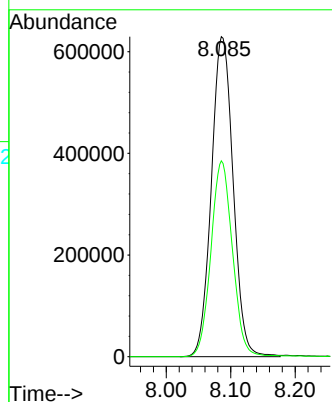
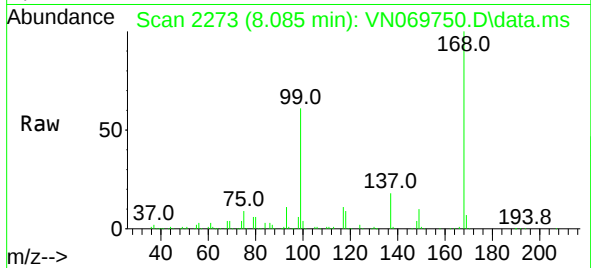




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

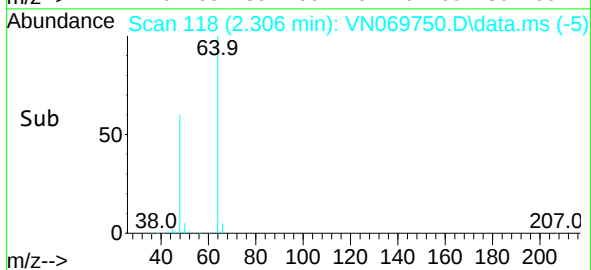
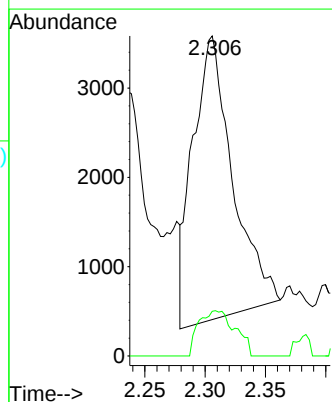
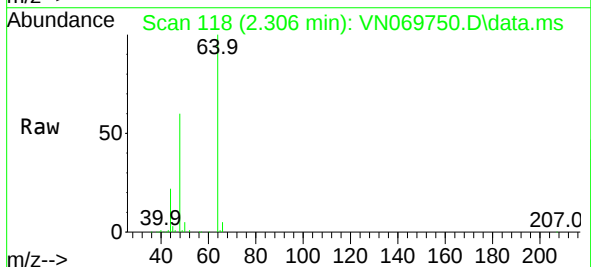
Instrument :
MSVOA_N
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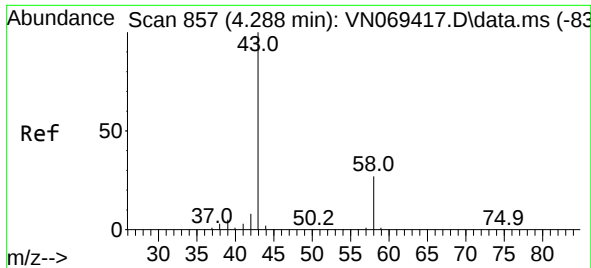
Tgt Ion:168 Resp: 1475423
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 50 Resp: 7300
Ion Ratio Lower Upper
50 100
52 16.9 25.4 38.0#

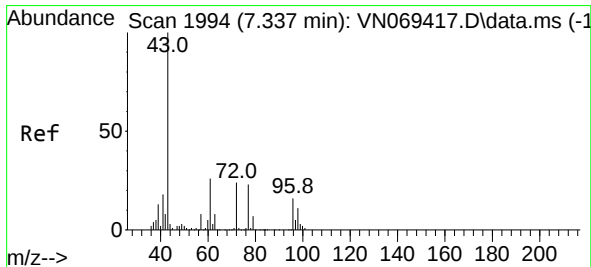
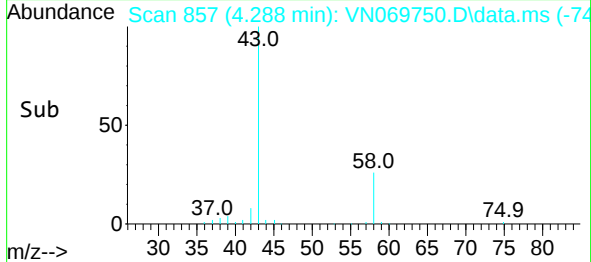
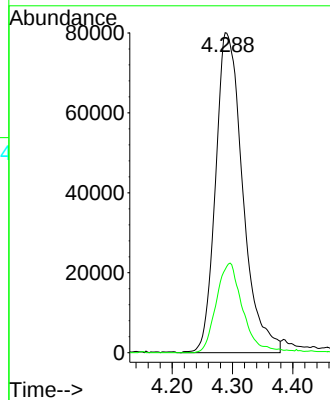
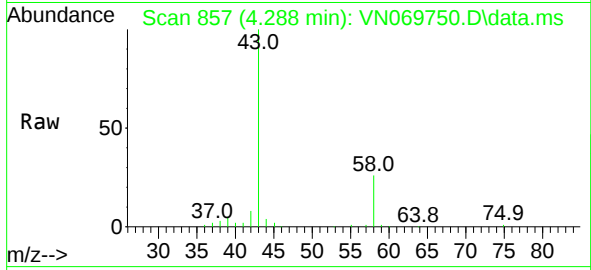




#16
Acetone
Concen: 18.291 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

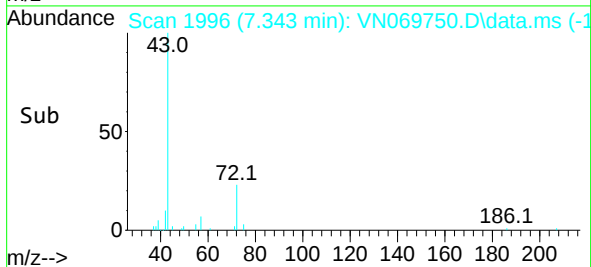
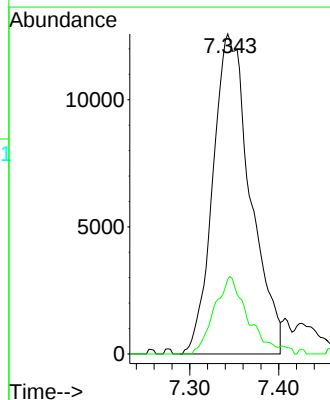
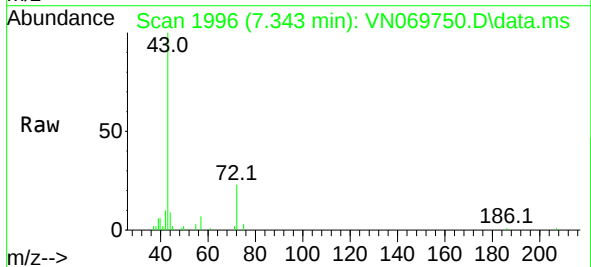
Instrument :
MSVOA_N
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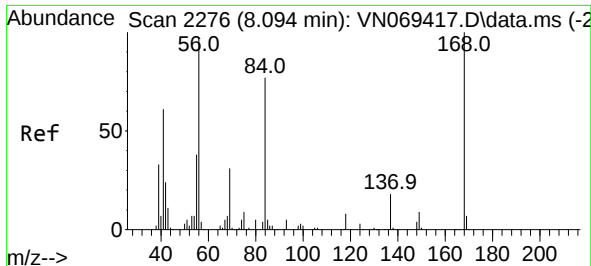
Tgt Ion: 43 Resp: 250656
Ion Ratio Lower Upper
43 100
58 26.0 23.1 34.7



#25
2-Butanone
Concen: 1.981 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

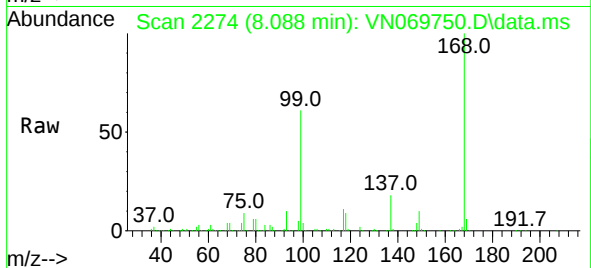
Tgt Ion: 43 Resp: 36889
Ion Ratio Lower Upper
43 100
72 23.4 21.7 32.5



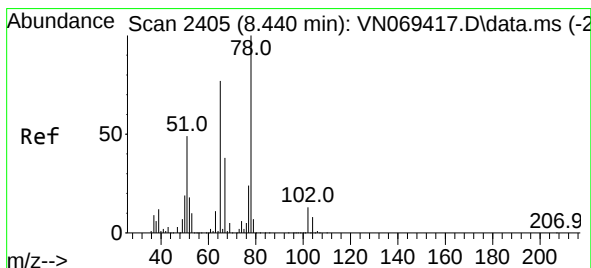
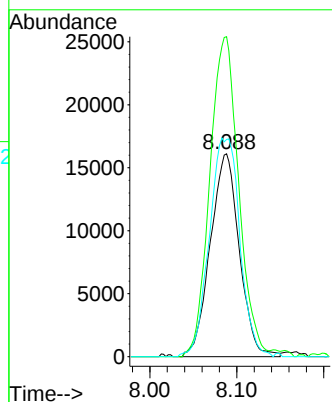
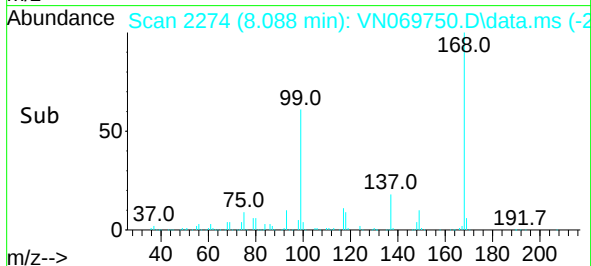


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

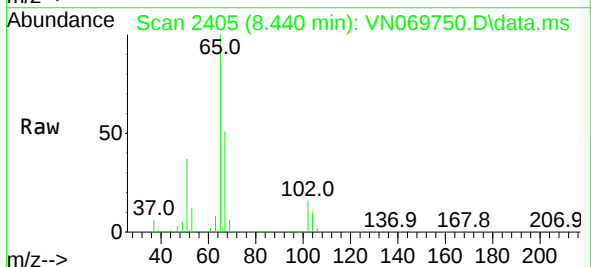
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W



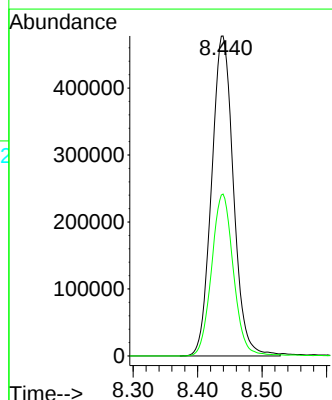
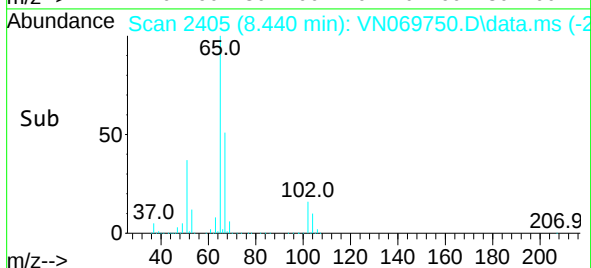
Tgt Ion: 56 Resp: 37281
Ion Ratio Lower Upper
56 100
69 157.7 27.1 40.7#
84 106.0 73.4 110.0

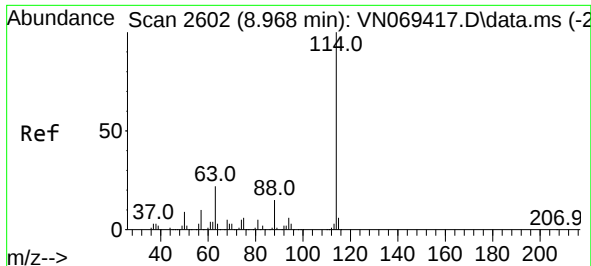


#33
1,2-Dichloroethane-d4
Concen: 49.447 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39



Tgt Ion: 65 Resp: 1126429
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0

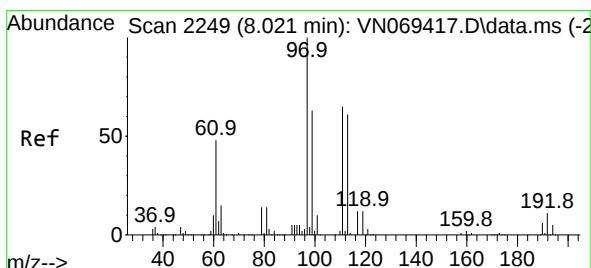
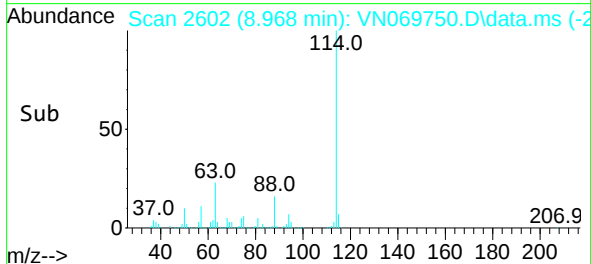
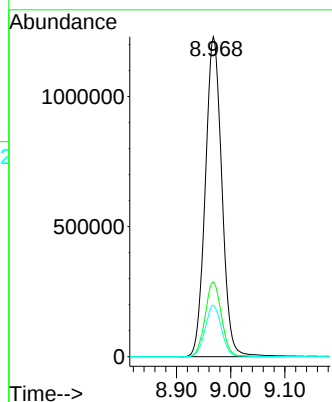
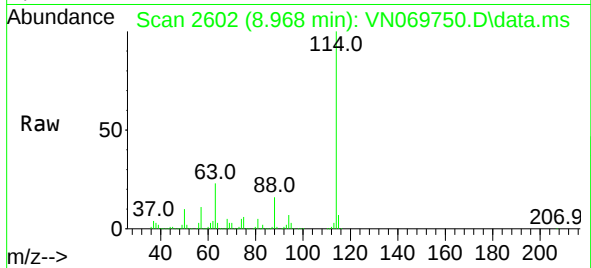




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

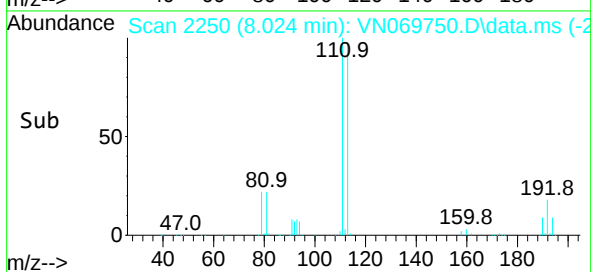
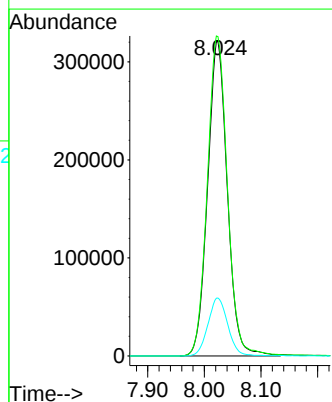
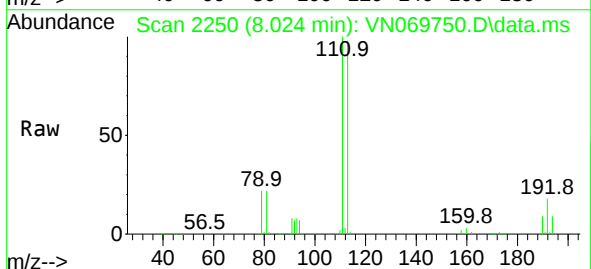
Instrument :
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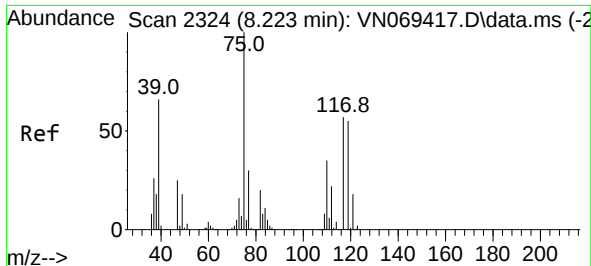
Tgt Ion:114 Resp: 2608574
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.566 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion:113 Resp: 777205
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.5 16.9 25.3

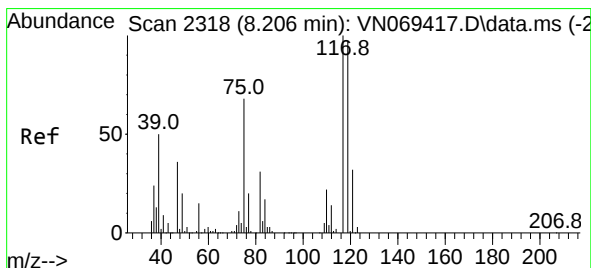
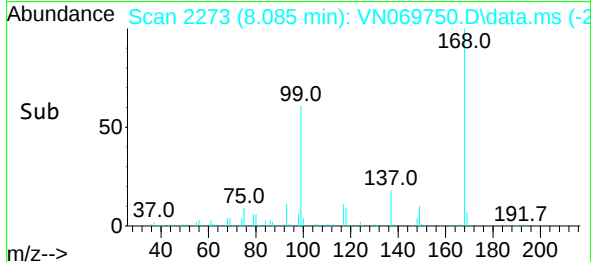
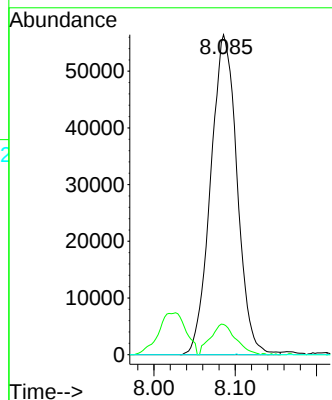
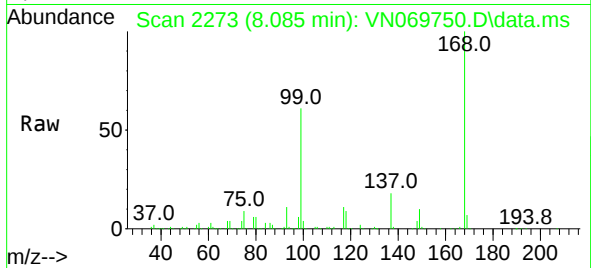




#36
1,1-Dichloropropene
Concen: 5.138 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

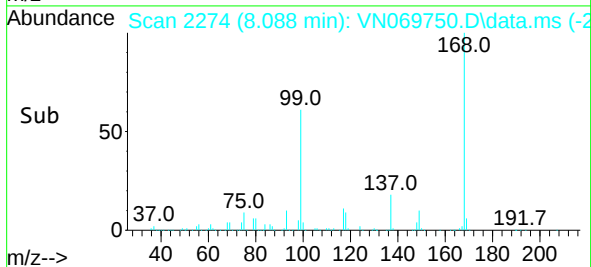
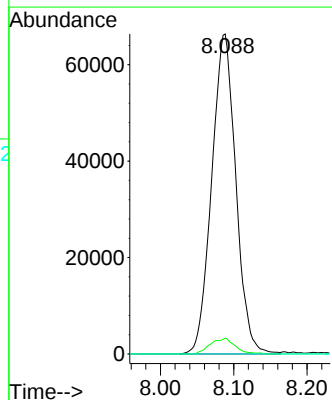
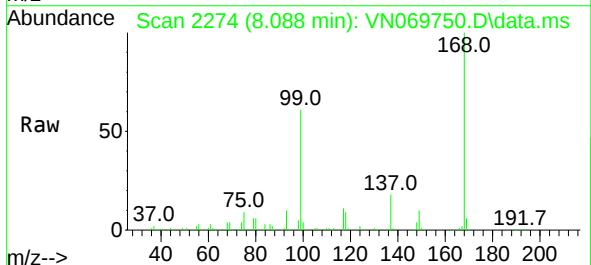
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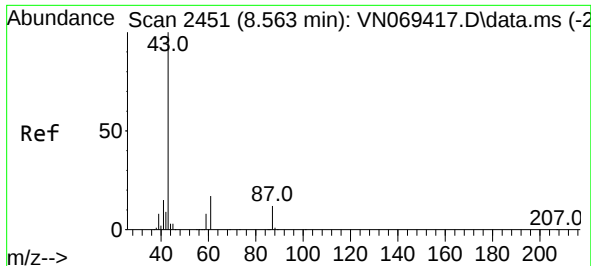
Tgt Ion: 75 Resp: 127581
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.235 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

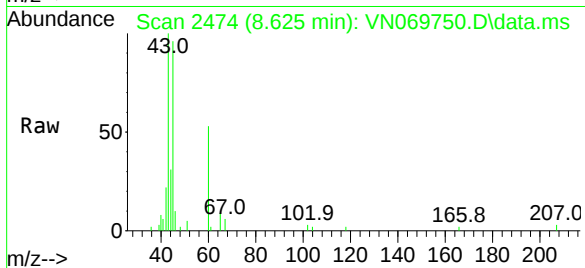
Tgt Ion: 117 Resp: 151833
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



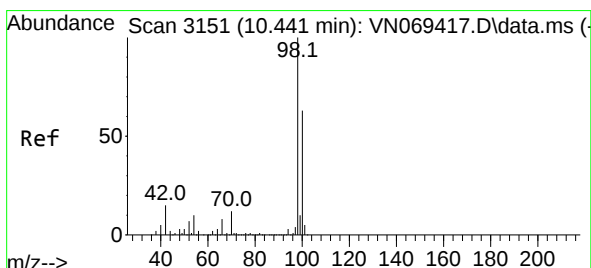
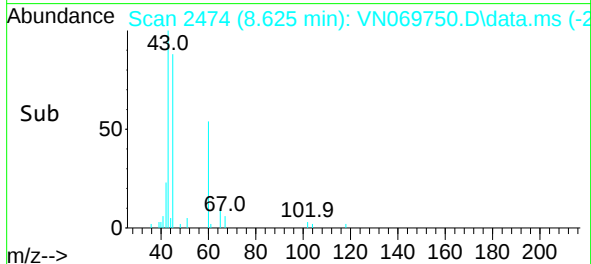
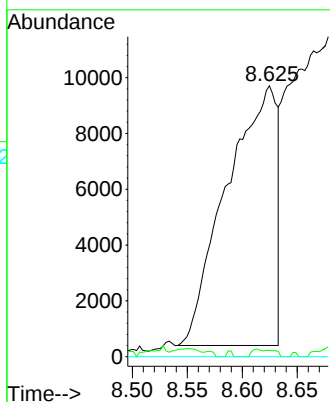


#43
Isopropyl Acetate
Concen: 0.541 ug/l
RT: 8.625 min Scan# 2451
Delta R.T. 0.062 min
Lab File: VN069750.D
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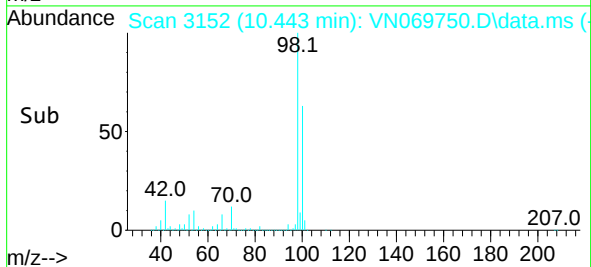
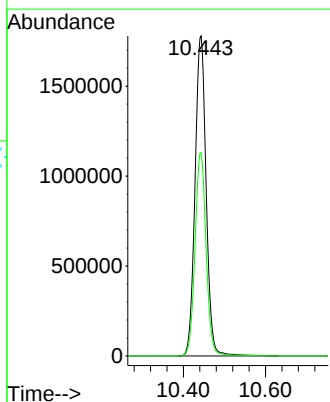
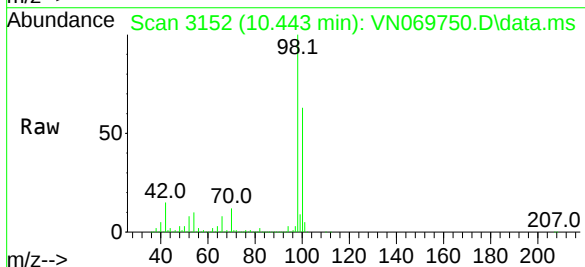


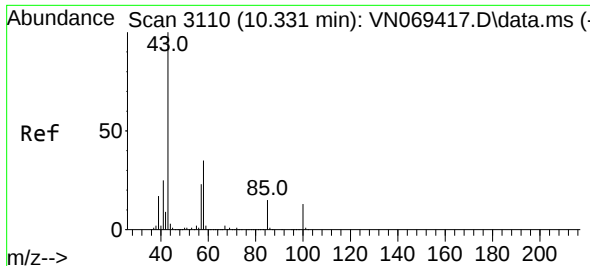
Tgt Ion: 43 Resp: 29568
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 51.028 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 98 Resp: 3347908
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

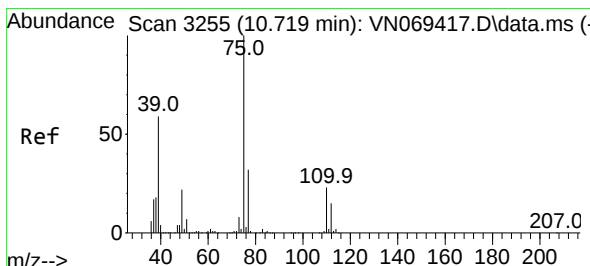
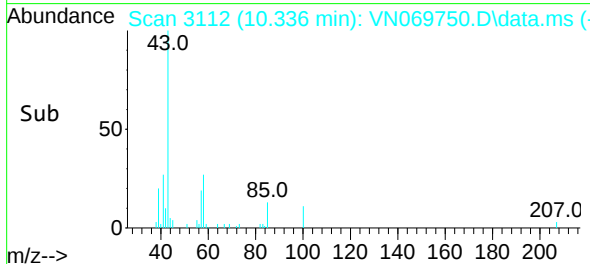
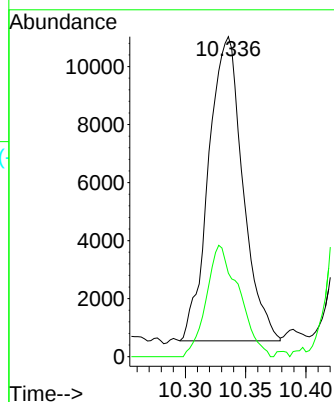
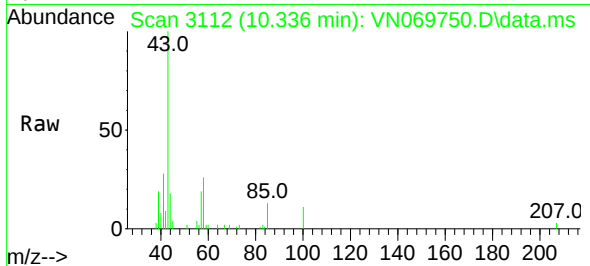




#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 10.336 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

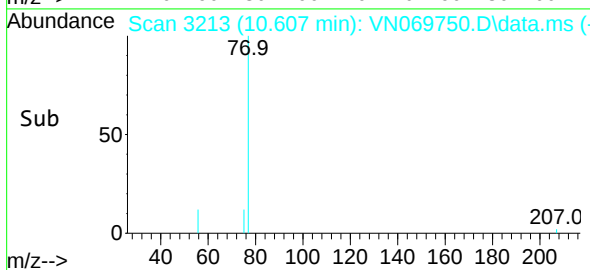
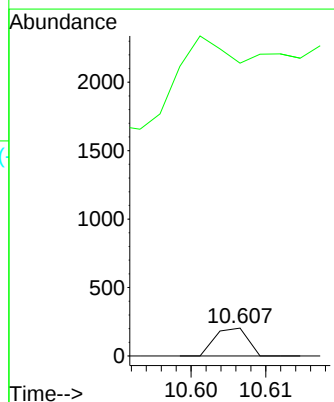
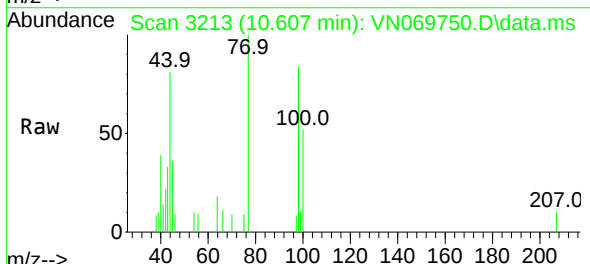
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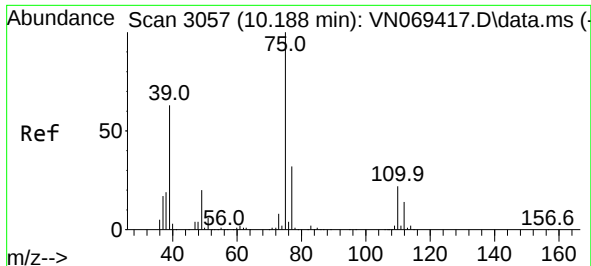
Tgt Ion: 43 Resp: 20728
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.607 min Scan# 3213
Delta R.T. -0.112 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 11.3 25.6 38.4#

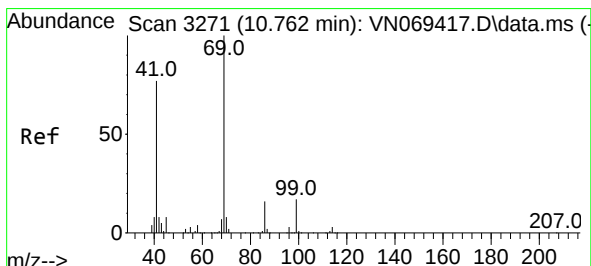
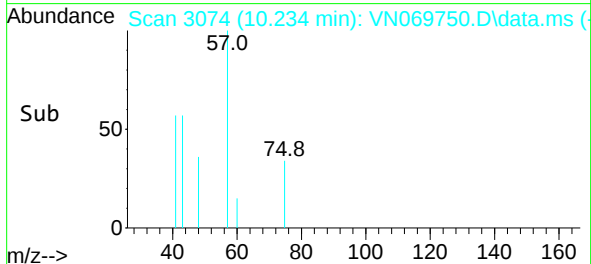
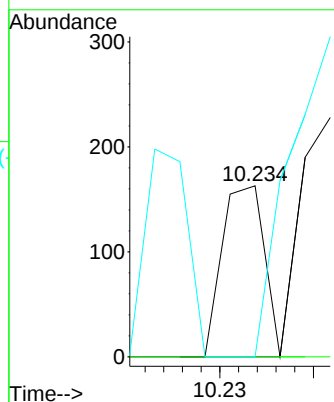
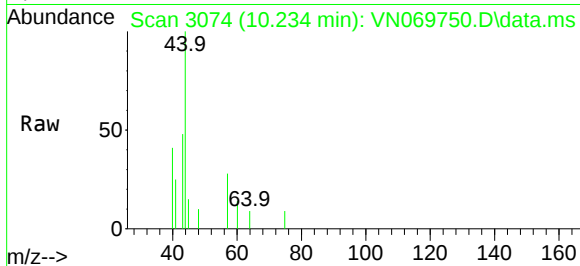




#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.234 min Scan# 3057
Delta R.T. 0.043 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

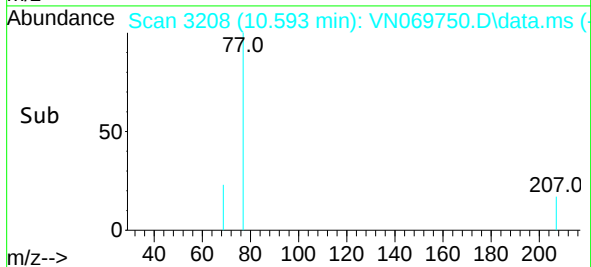
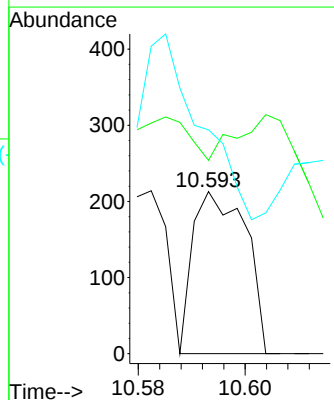
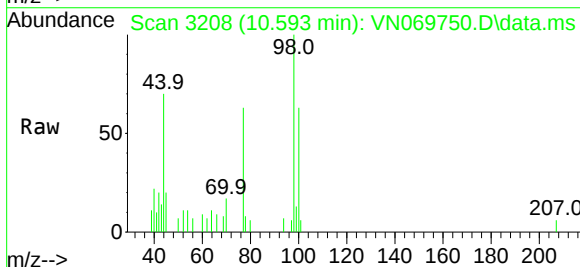
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

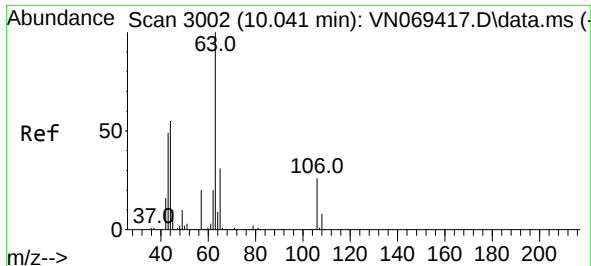
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.593 min Scan# 3208
Delta R.T. -0.169 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 69 Resp: 147
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

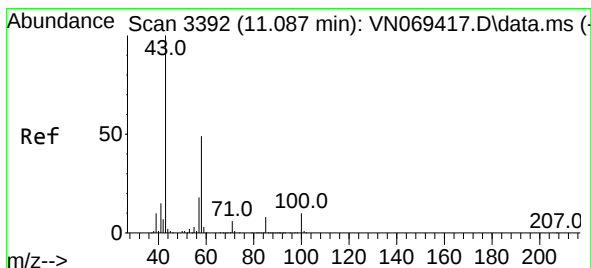
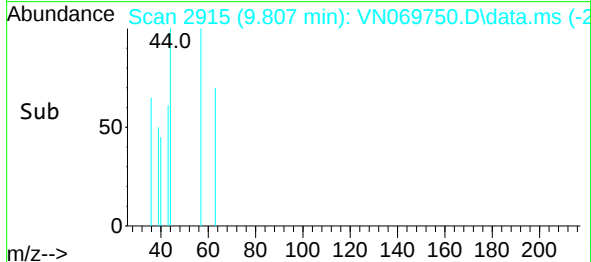
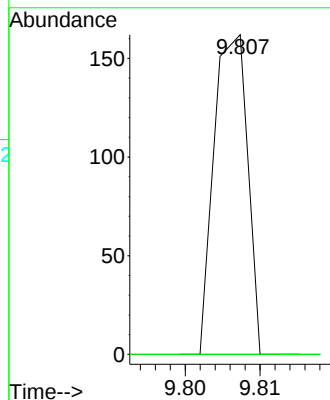
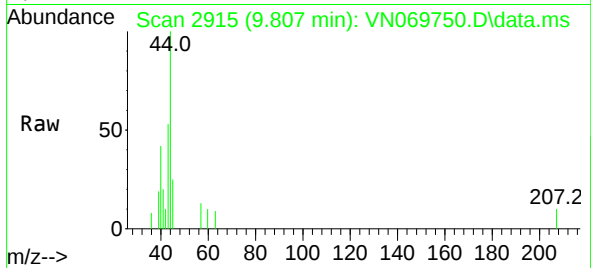




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 9.807 min Scan# 2915
Delta R.T. -0.236 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

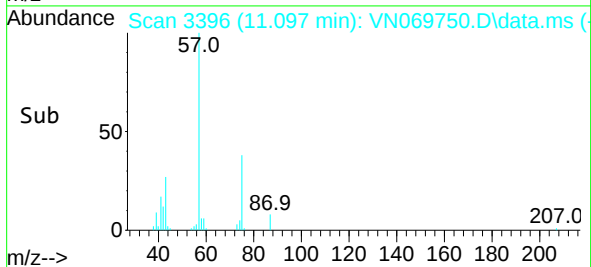
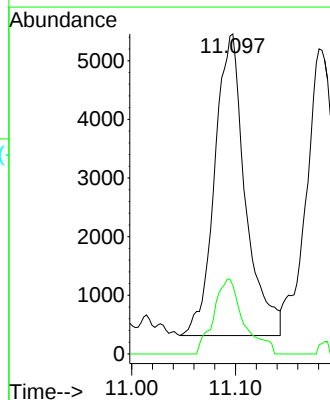
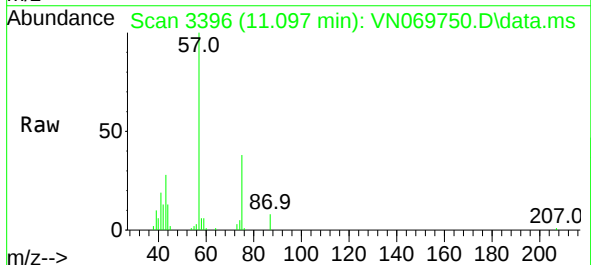
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

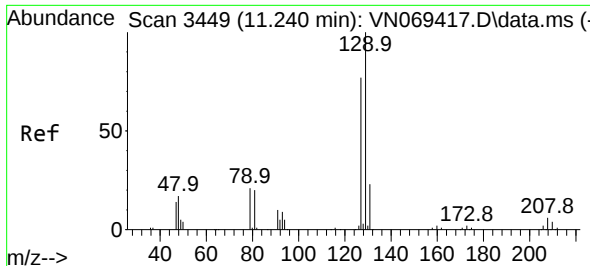
Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.394 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 43 Resp: 10576
Ion Ratio Lower Upper
43 100
58 24.2 26.9 80.7#

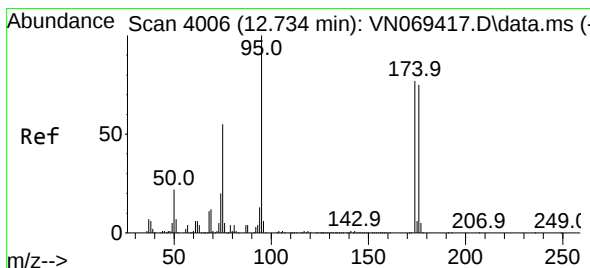
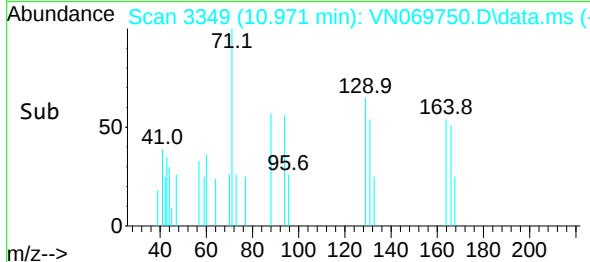
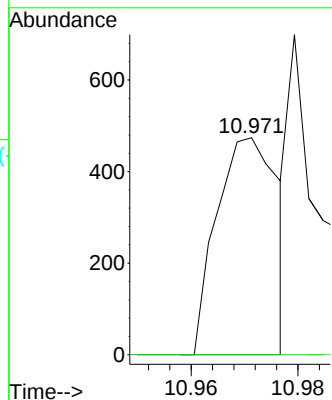
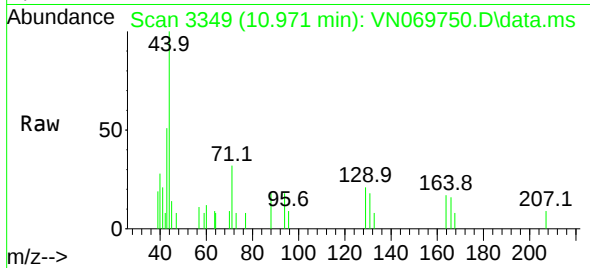




#60
Dibromochloromethane
Concen: 2.394 ug/l
RT: 10.971 min Scan# 31
Delta R.T. -0.269 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

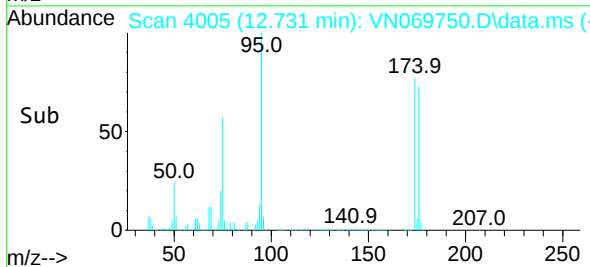
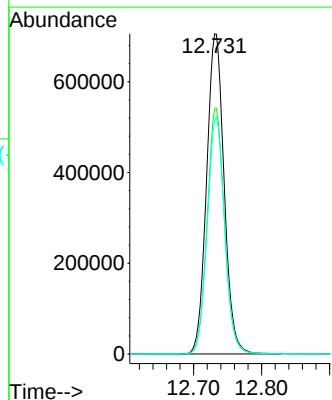
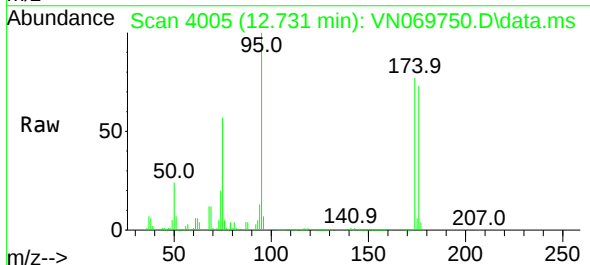
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

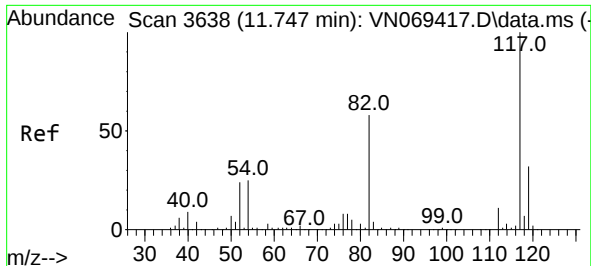
Tgt Ion:129 Resp: 376
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.173 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 95 Resp: 1263843
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.4 0.0 181.4

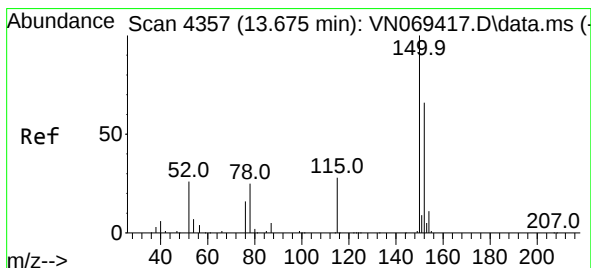
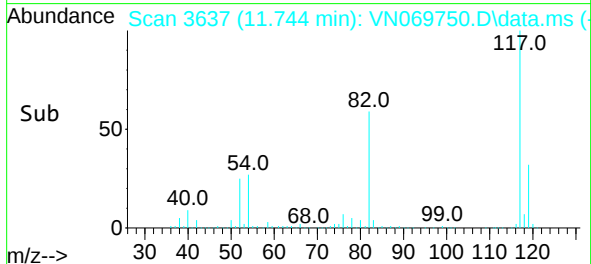
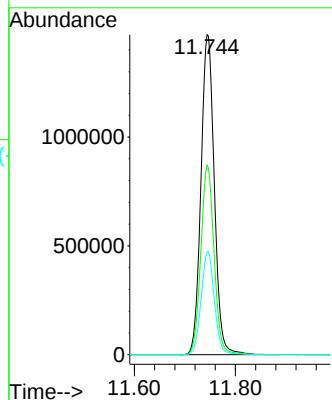
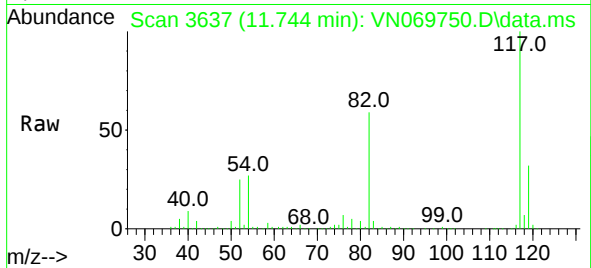




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

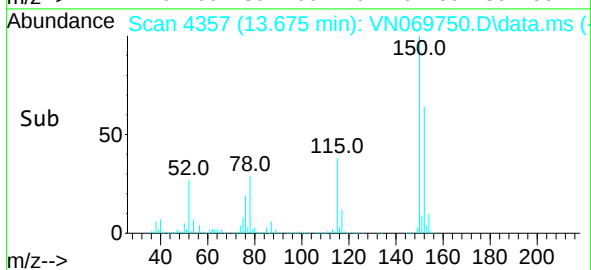
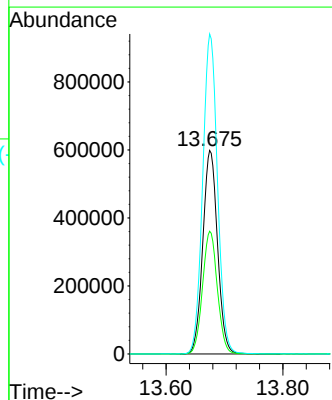
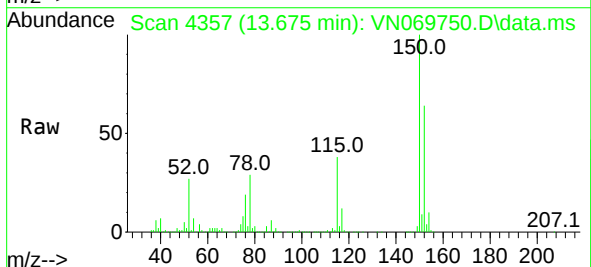
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

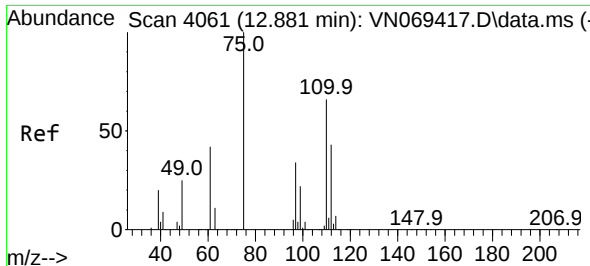
Tgt Ion:117 Resp: 2703875
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion:152 Resp: 1048526
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.5 0.0 344.4

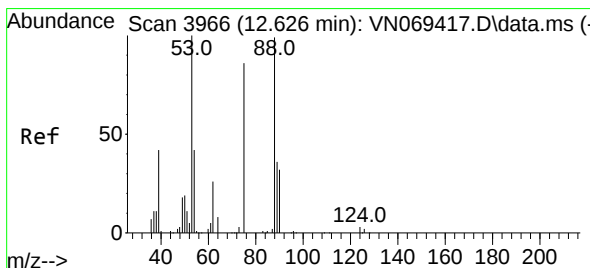
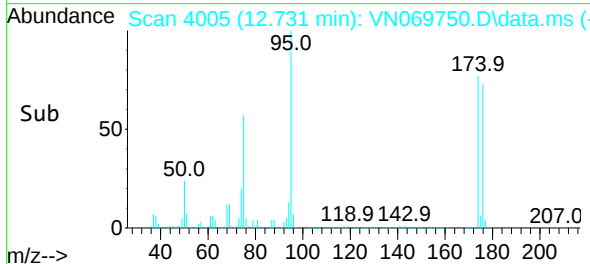
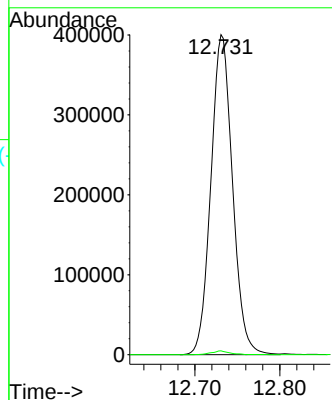
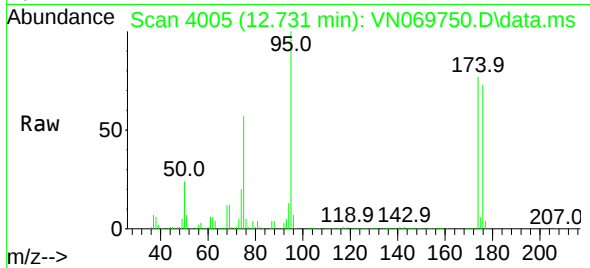




#76
1,2,3-Trichloropropane
Concen: 23.513 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

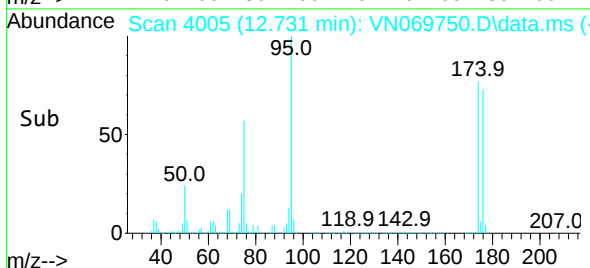
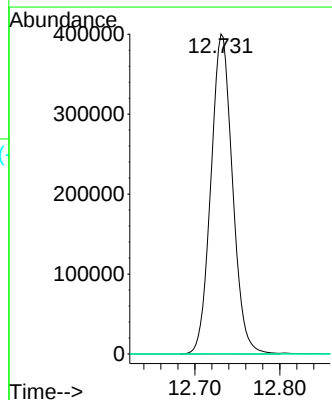
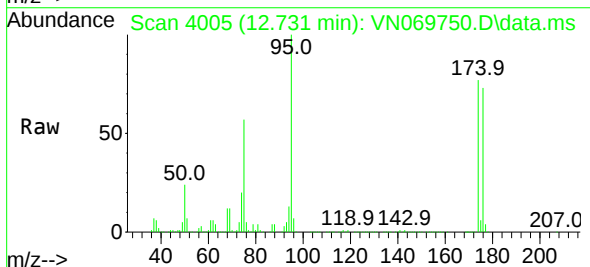
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

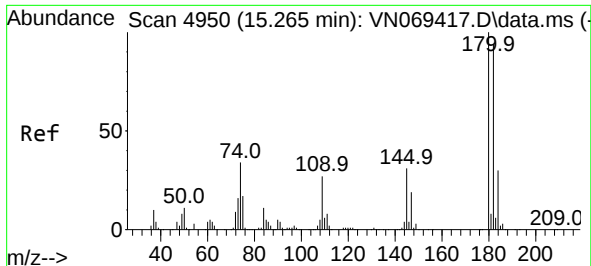
Tgt Ion: 75 Resp: 707033
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.767 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

Tgt Ion: 75 Resp: 707033
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

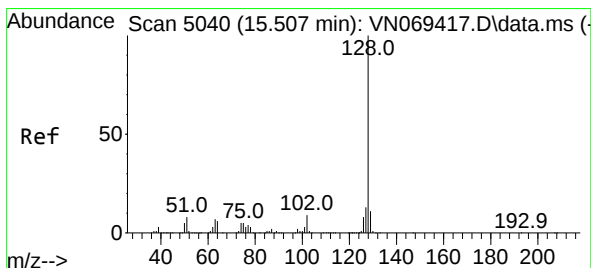
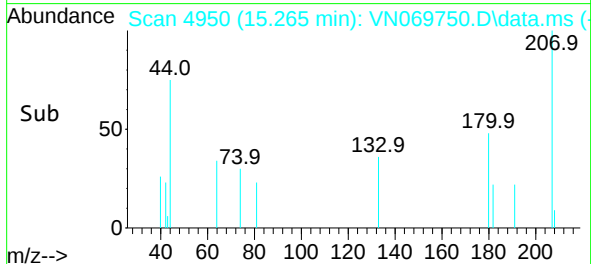
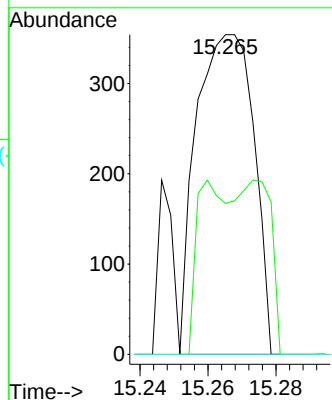
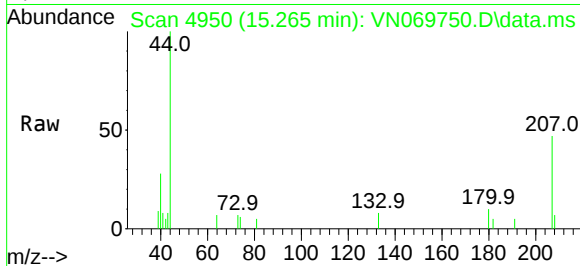




#93
1,2,4-Trichlorobenzene
Concen: 2.901 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

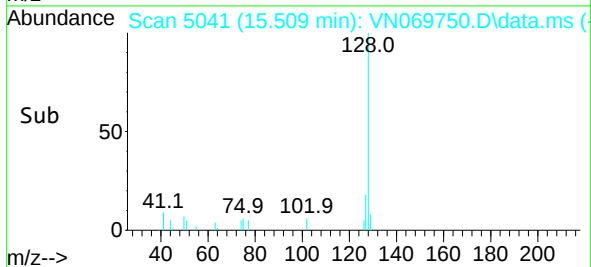
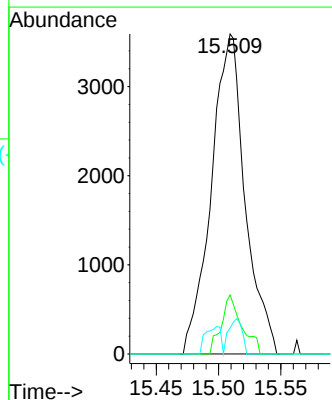
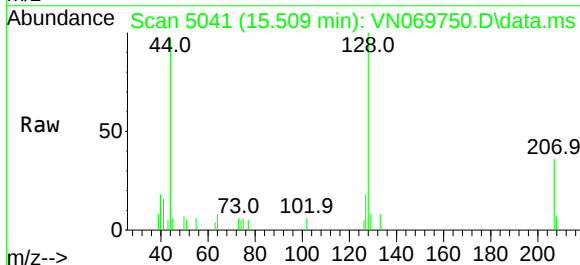
Instrument :
MSVOA_N
ClientSampleId :
FDR-20211202-WC-W

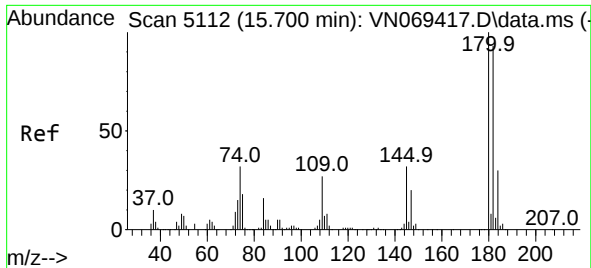
Tgt Ion:180 Resp: 415
Ion Ratio Lower Upper
180 100
182 27.7 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.107 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069750.D
Acq: 4 Dec 2021 5:39

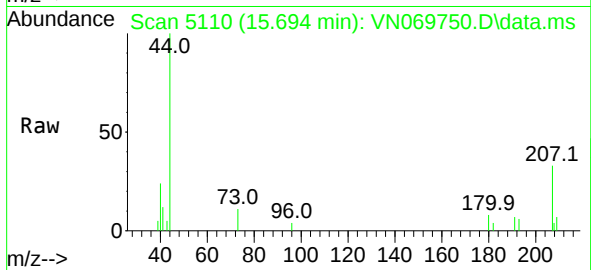
Tgt Ion:128 Resp: 6762
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 4.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.450 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN069750.D
 Acq: 4 Dec 2021 5:39

Instrument :
 MSVOA_N
 ClientSampleId :
 FDR-20211202-WC-W



Tgt Ion	Ratio	Lower	Upper
180	100		
182	56.5	47.4	142.2
145	45.2	15.0	45.1#

