

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069927.D
 Acq On : 9 Dec 2021 21:51
 Operator : JC/MD
 Sample : M4970-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19

Quant Time: Dec 10 06:24:12 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

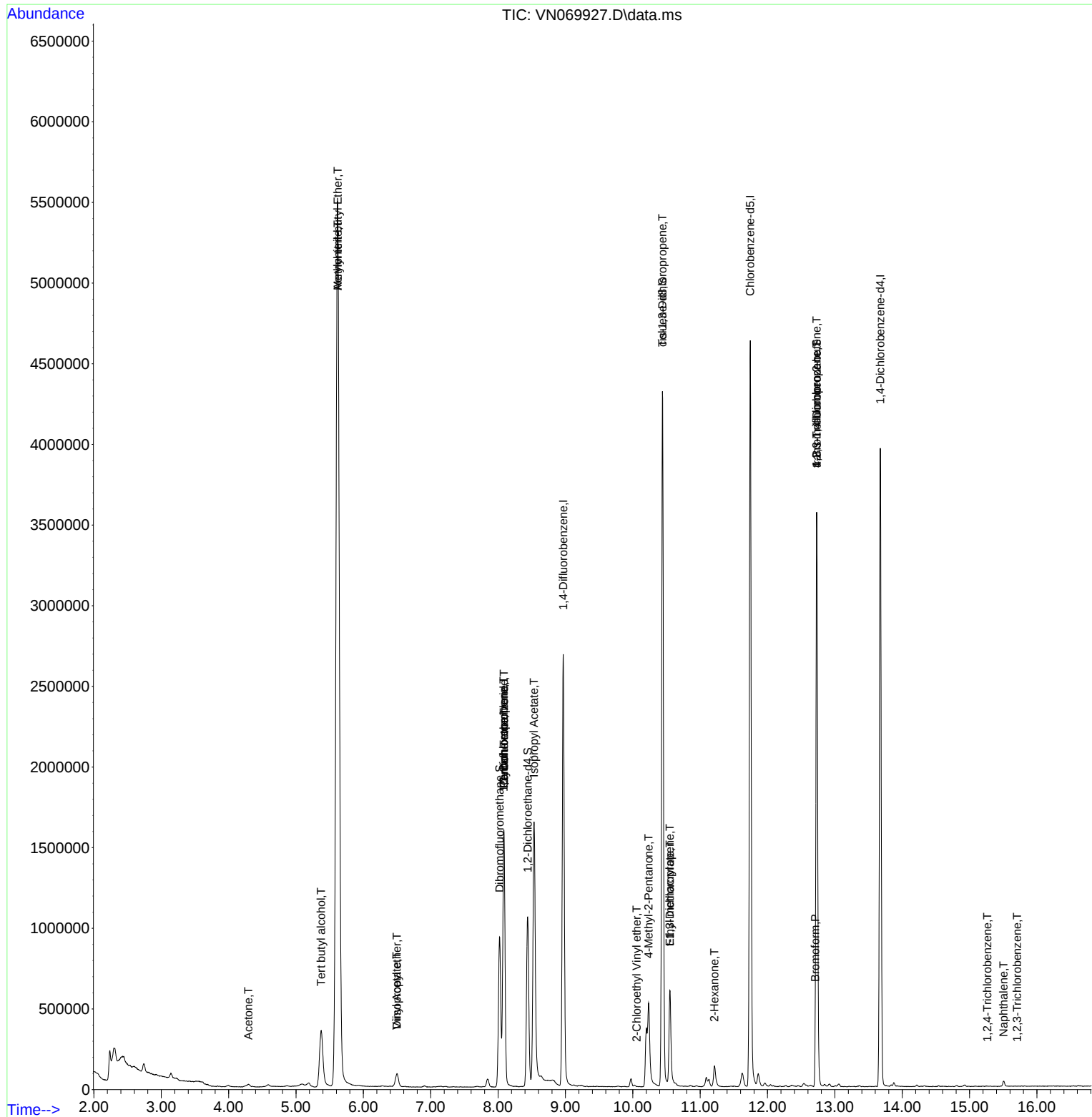
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1199673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2216500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2489338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1032110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	923303	49.846	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.700%
35) Dibromofluoromethane	8.024	113	676663	48.738	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.480%
50) Toluene-d8	10.440	98	2910564	52.210	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.420%
62) 4-Bromofluorobenzene	12.731	95	1227049	60.757	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	121.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.374	59	622375	177.756	ug/l	100
15) Acrylonitrile	5.621	53	104027	11.026	ug/l #	26
16) Acetone	4.293	43	22616	2.030	ug/l	94
19) Methyl tert-butyl Ether	5.618	73	8627999	194.182	ug/l	96
22) Diisopropyl ether	6.498	45	102559	2.038	ug/l	88
23) Vinyl Acetate	6.495	43	58253	1.423	ug/l #	72
31) Cyclohexane	8.086	56	32348	1.255	ug/l #	28
36) 1,1-Dichloropropene	8.083	75	101411	4.806	ug/l #	48
38) Carbon Tetrachloride	8.088	117	120440	5.821	ug/l #	16
43) Isopropyl Acetate	8.534	43	437097	9.405	ug/l #	56
51) 4-Methyl-2-Pentanone	10.234	43	78586	2.607	ug/l #	60
53) t-1,3-Dichloropropene	10.550	75	847	2.825	ug/l #	79
54) cis-1,3-Dichloropropene	10.440	75	968	2.033	ug/l #	1
56) Ethyl methacrylate	10.550	69	80853	4.853	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.057	63	91	18.399	ug/l #	45
59) 2-Hexanone	11.210	43	33673	1.476	ug/l	79
71) Bromoform	12.707	173	216	2.744	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	690416	23.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	690416	74.204	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	52	2.881	ug/l #	41
95) Naphthalene	15.504	128	30708	4.545	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	27	2.437	ug/l #	1

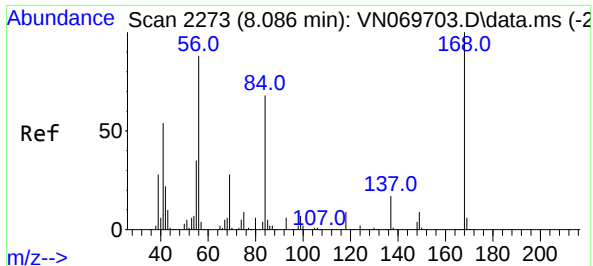
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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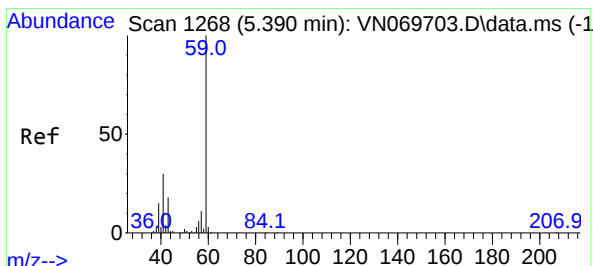
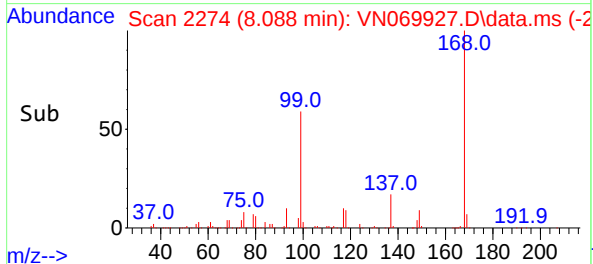
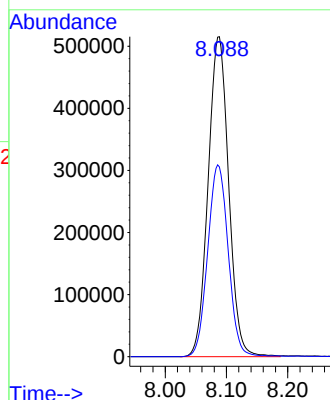
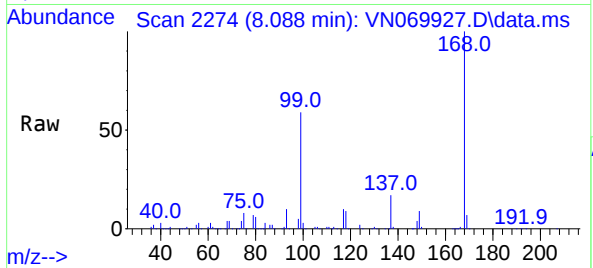




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

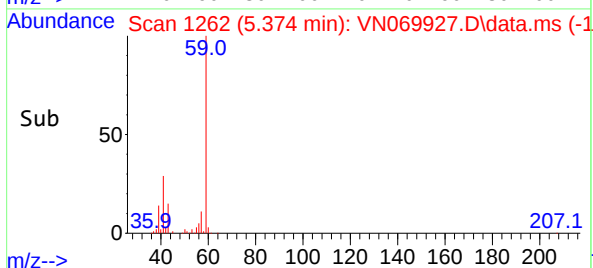
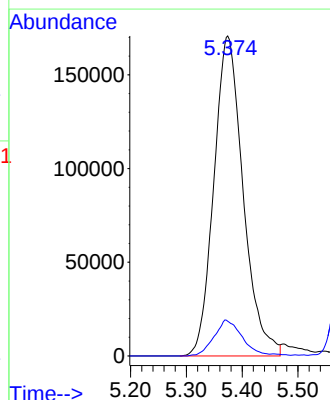
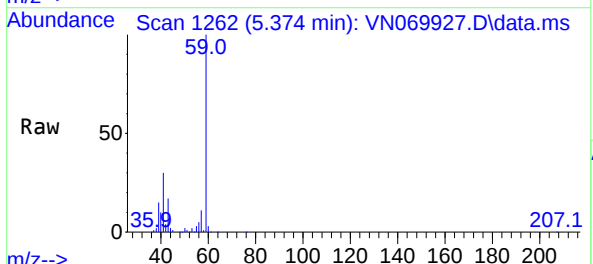
Instrument :
MSVOA_N
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MW-19

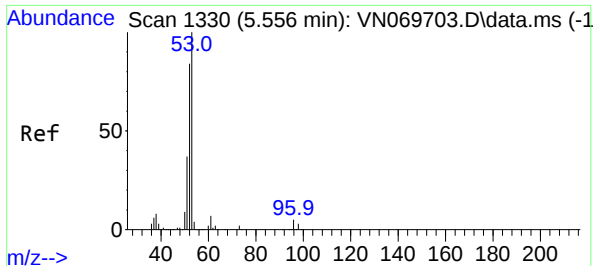
Tgt Ion:168 Resp: 1199673
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 177.756 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 59 Resp: 622375
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

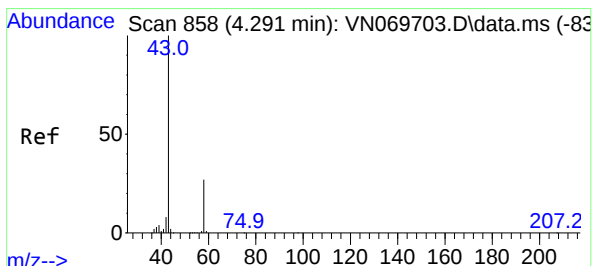
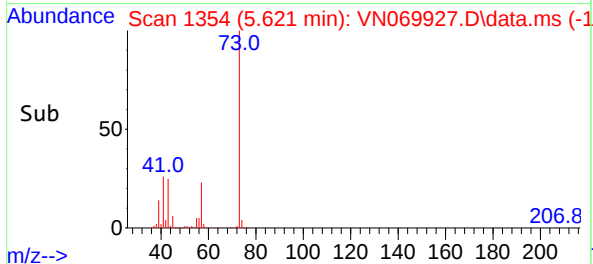
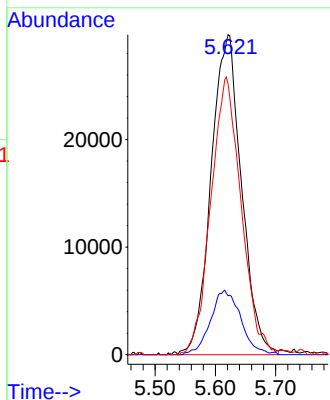
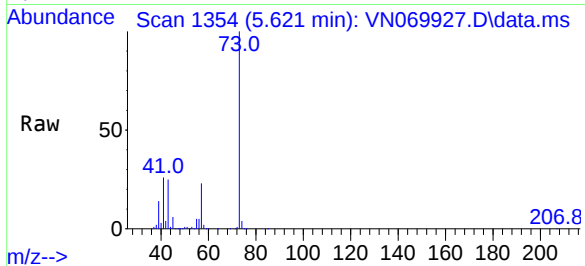




#15
Acrylonitrile
Concen: 11.026 ug/l
RT: 5.621 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

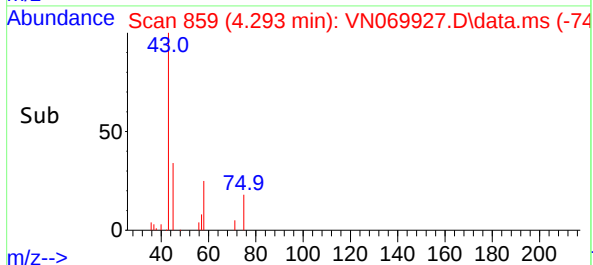
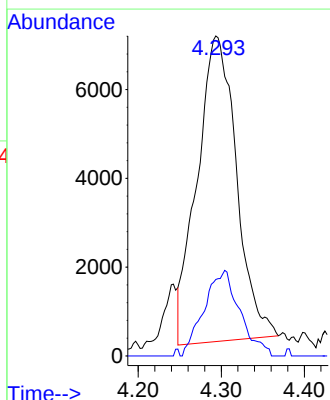
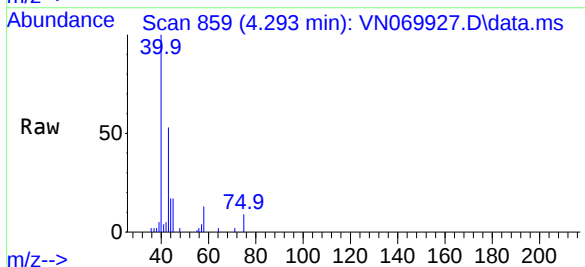
Instrument :
MSVOA_N
ClientSampleId :
MW-19

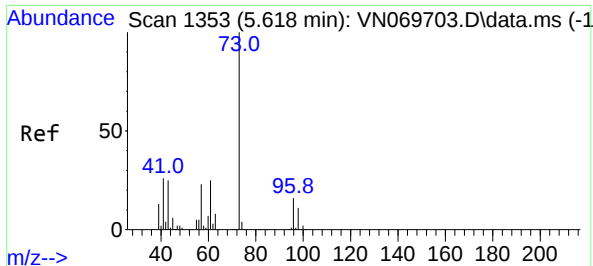
Tgt Ion: 53 Resp: 104027
Ion Ratio Lower Upper
53 100
52 20.0 66.2 99.2#
51 86.4 29.6 44.4#



#16
Acetone
Concen: 2.030 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 43 Resp: 22616
Ion Ratio Lower Upper
43 100
58 25.5 23.1 34.7

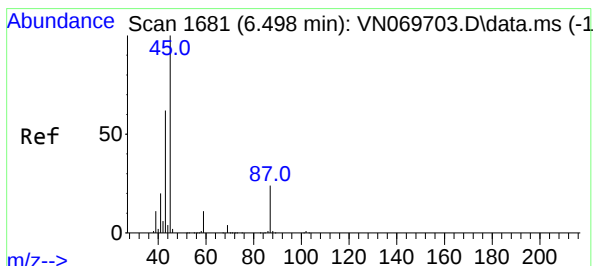
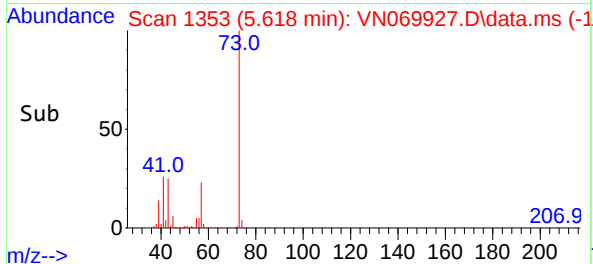
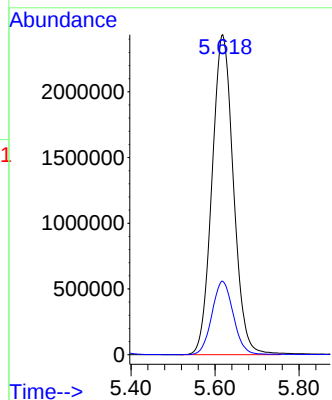
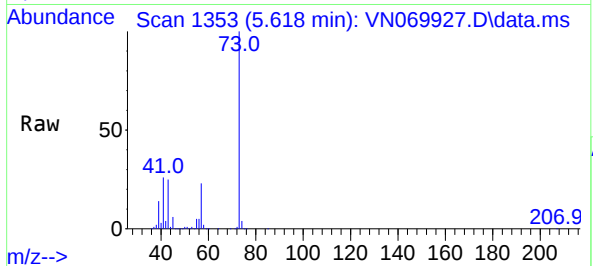




#19
Methyl tert-butyl Ether
Concen: 194.182 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

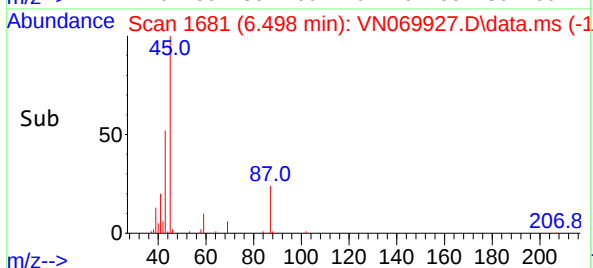
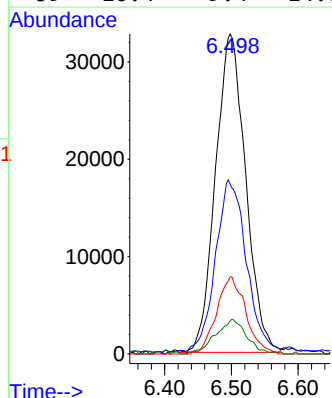
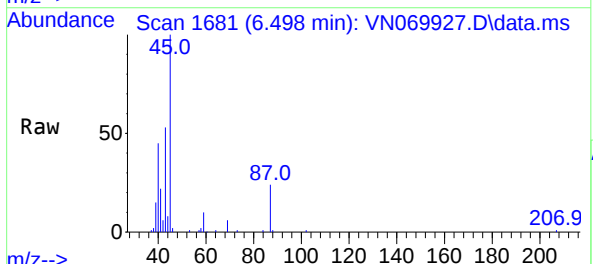
Instrument :
MSVOA_N
ClientSampleId :
MW-19

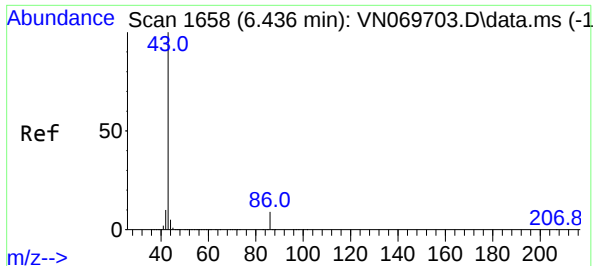
Tgt Ion: 73 Resp: 8627999
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2



#22
Diisopropyl ether
Concen: 2.038 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 45 Resp: 102559
Ion Ratio Lower Upper
45 100
43 52.3 51.7 77.5
87 24.2 23.2 34.8
59 10.4 9.4 14.0

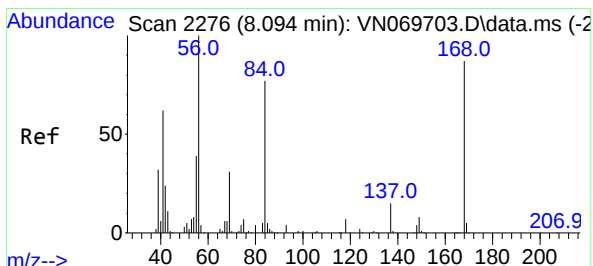
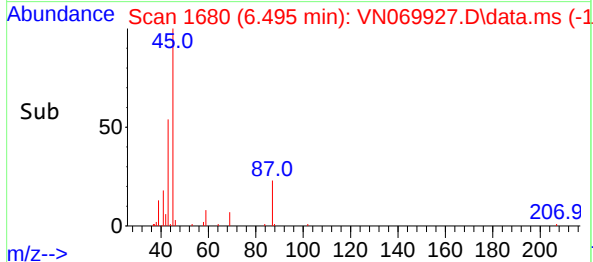
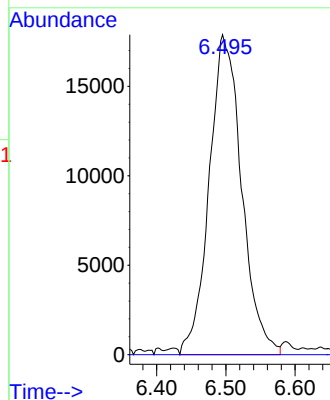
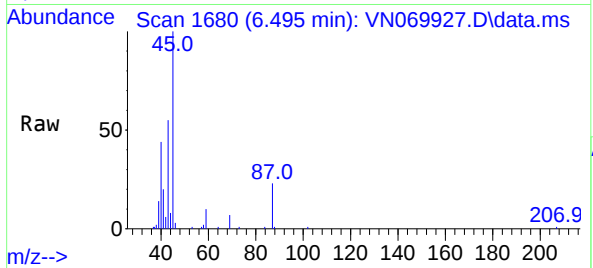




#23
 Vinyl Acetate
 Concen: 1.423 ug/l
 RT: 6.495 min Scan# 1
 Delta R.T. 0.059 min
 Lab File: VN069927.D
 Acq: 9 Dec 2021 21:51

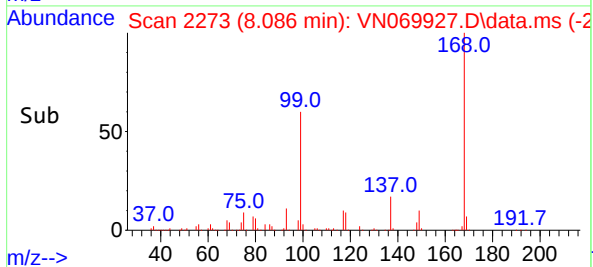
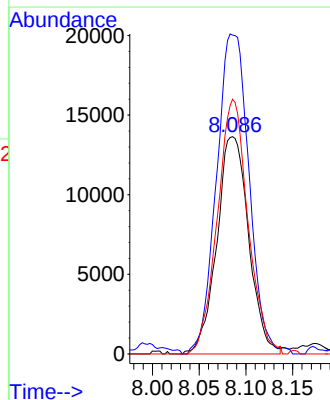
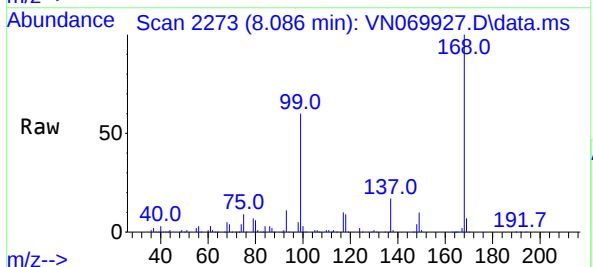
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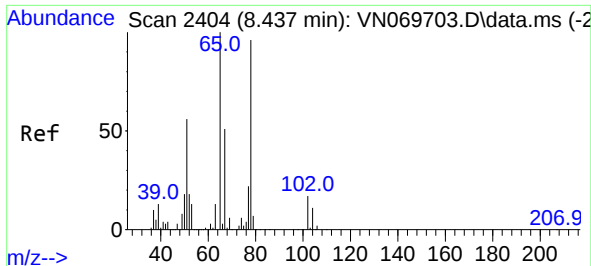
Tgt Ion: 43 Resp: 58253
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#31
 Cyclohexane
 Concen: 1.255 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.008 min
 Lab File: VN069927.D
 Acq: 9 Dec 2021 21:51

Tgt Ion: 56 Resp: 32348
 Ion Ratio Lower Upper
 56 100
 69 145.2 27.1 40.7#
 84 117.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.846 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069927.D

Acq: 9 Dec 2021 21:51

Instrument :

MSVOA_N

ClientSampleId :

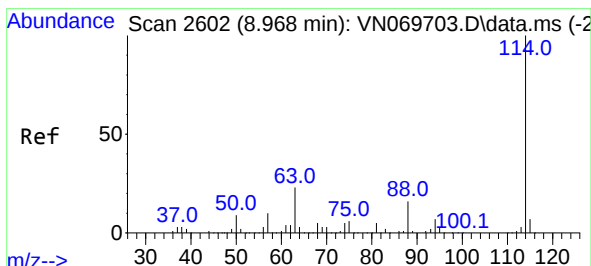
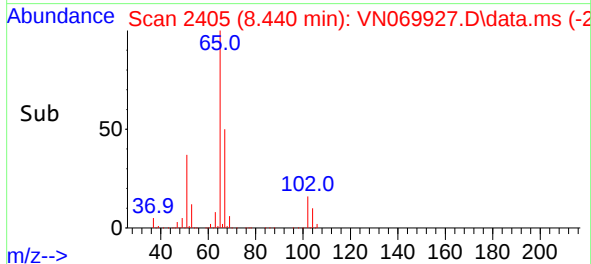
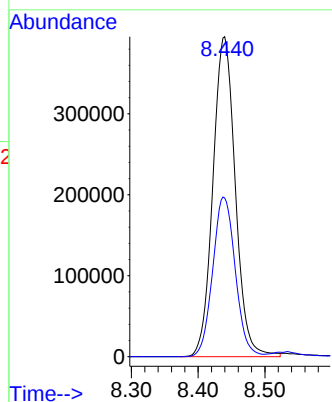
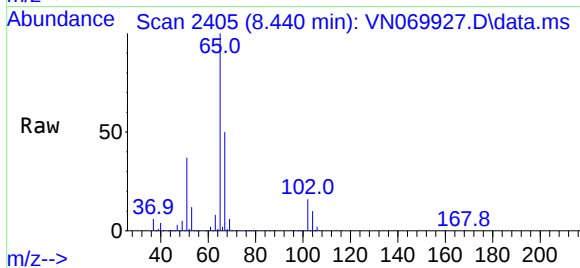
MW-19

Tgt Ion: 65 Resp: 923303

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069927.D

Acq: 9 Dec 2021 21:51

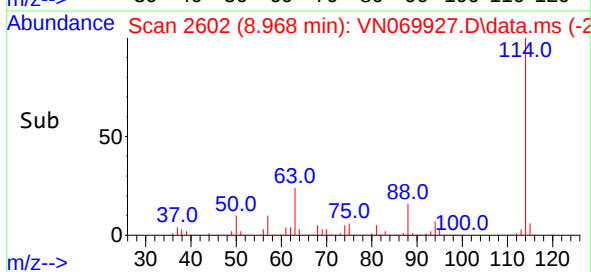
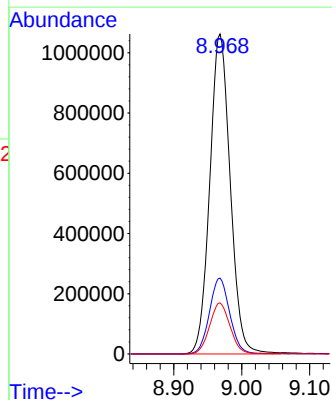
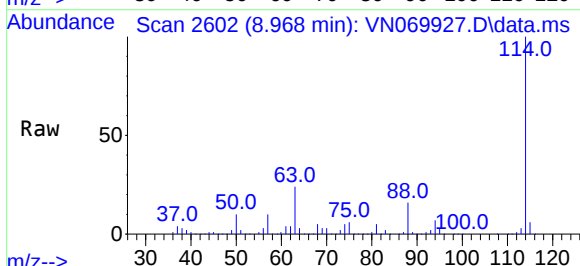
Tgt Ion: 114 Resp: 2216500

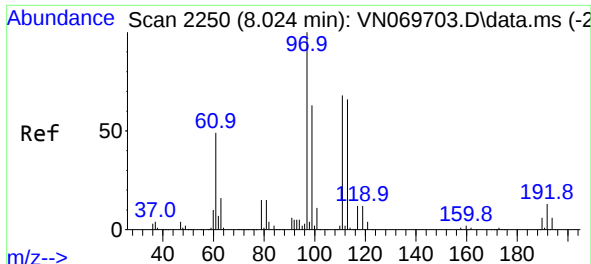
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 15.9 0.0 27.4

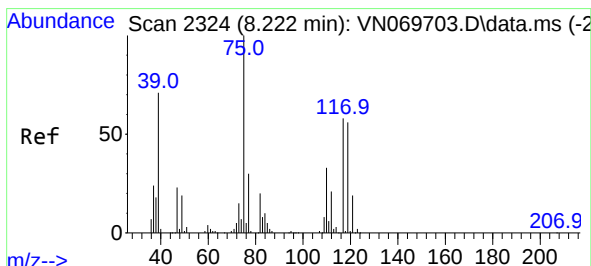
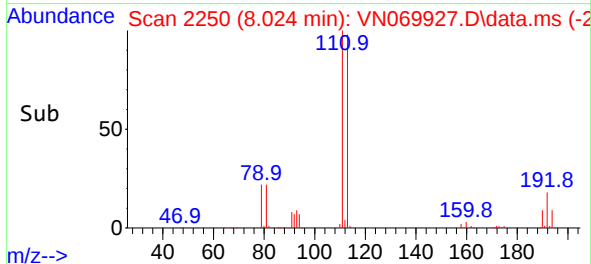
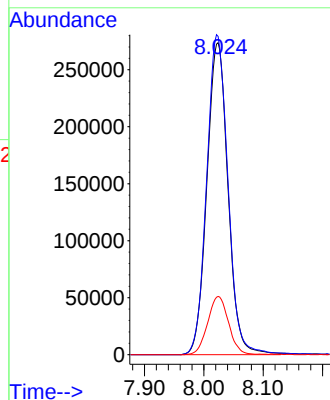
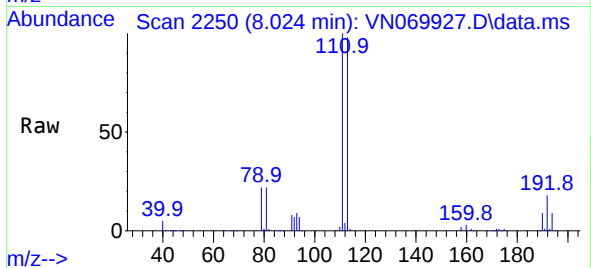




#35
Dibromofluoromethane
Concen: 48.738 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

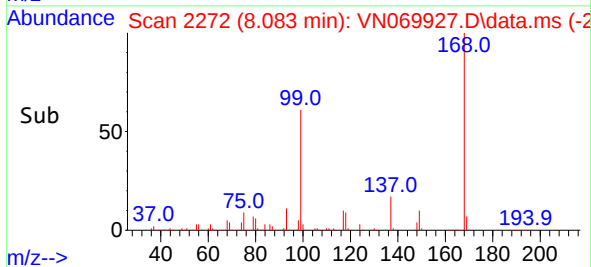
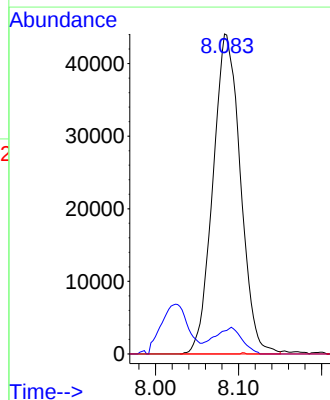
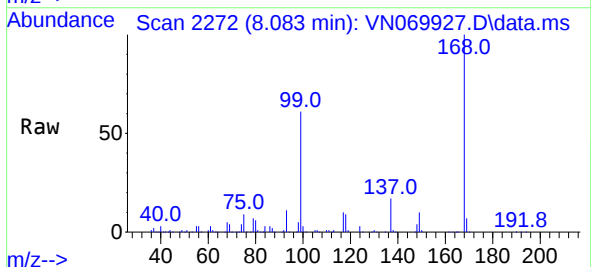
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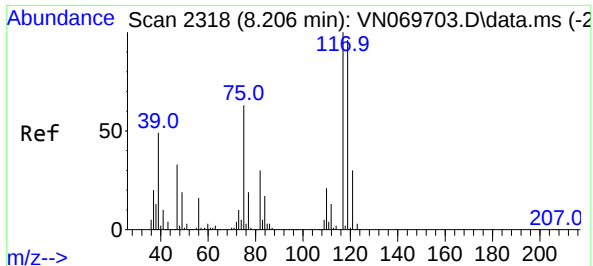
Tgt Ion:113 Resp: 676663
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.806 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 75 Resp: 101411
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#

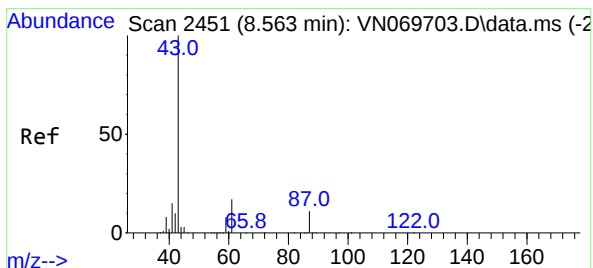
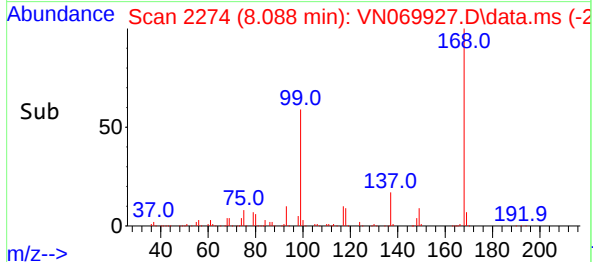
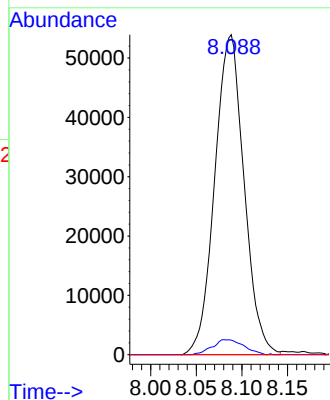
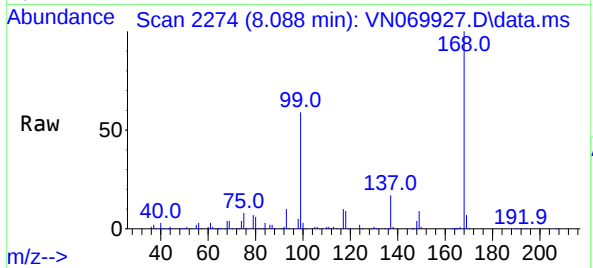




#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 8.088 min Scan# 2117
Delta R.T. -0.118 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

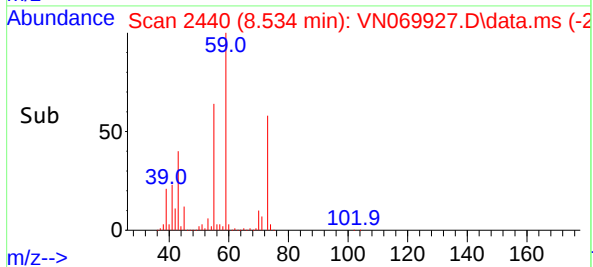
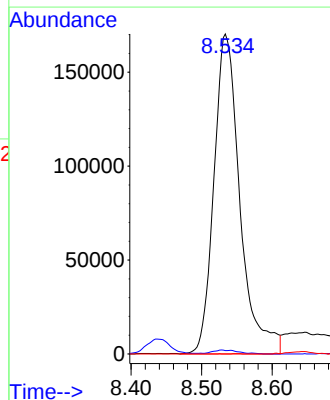
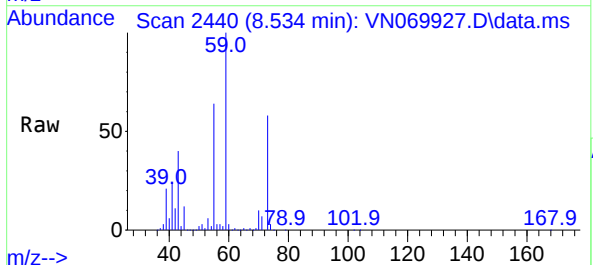
Instrument : MSVOA_N
ClientSampleId : MW-19

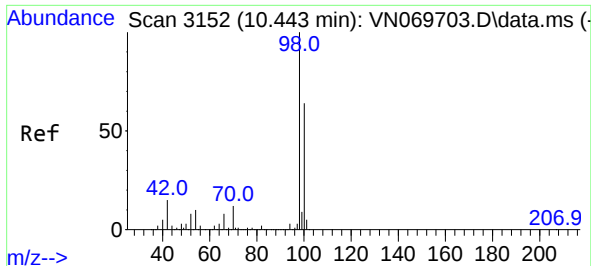
Tgt Ion:117 Resp: 120440
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 9.405 ug/l
RT: 8.534 min Scan# 2440
Delta R.T. -0.029 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 43 Resp: 437097
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#

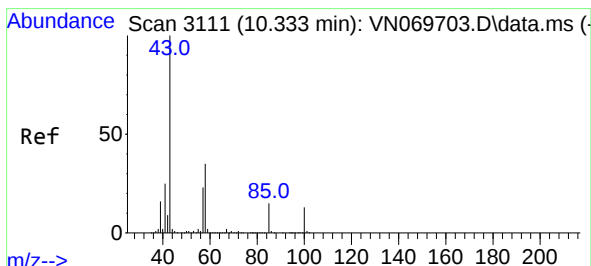
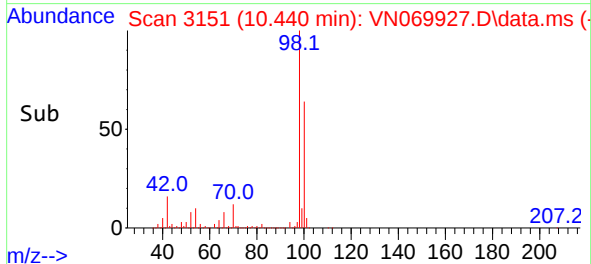
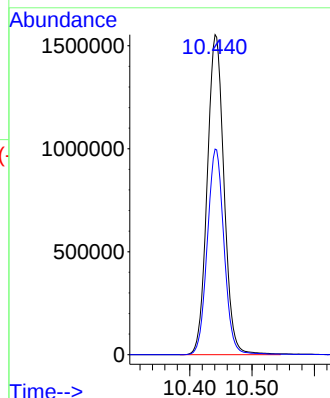
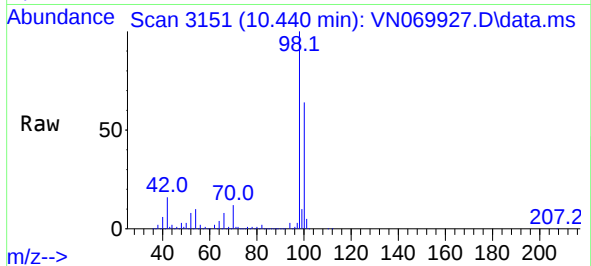




#50
Toluene-d8
Concen: 52.210 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

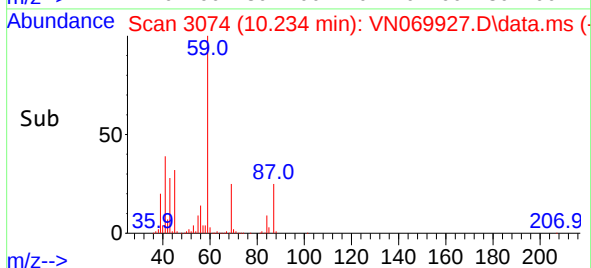
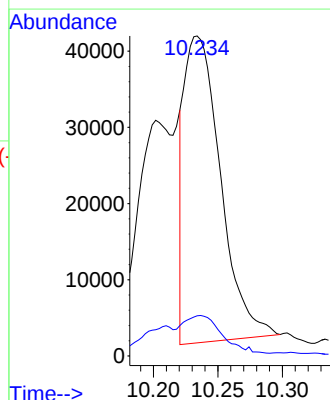
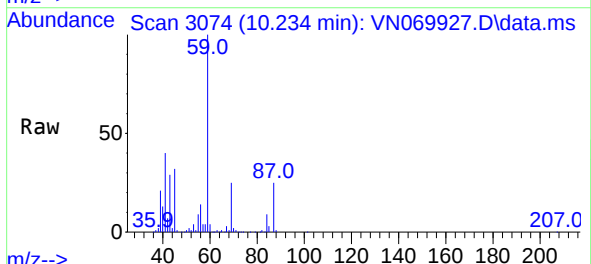
Instrument :
MSVOA_N
ClientSampleId :
MW-19

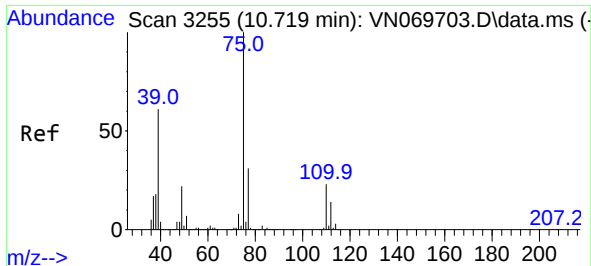
Tgt Ion: 98 Resp: 2910564
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 2.607 ug/l
RT: 10.234 min Scan# 3074
Delta R.T. -0.099 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 43 Resp: 78586
Ion Ratio Lower Upper
43 100
58 13.6 30.4 45.6#

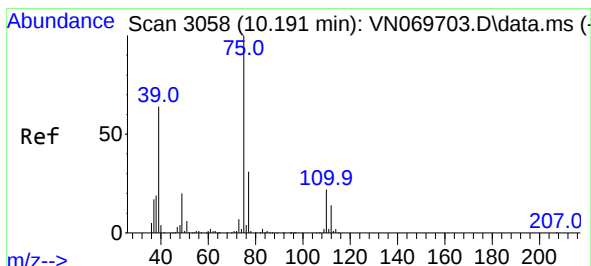
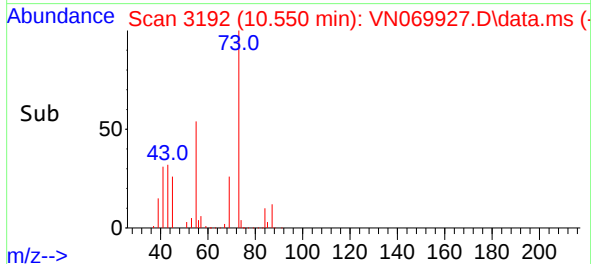
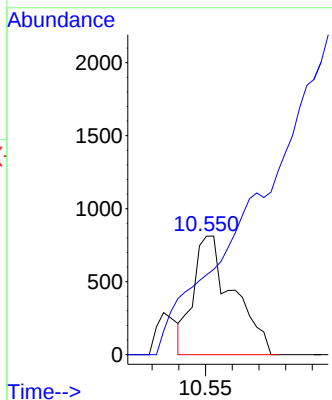
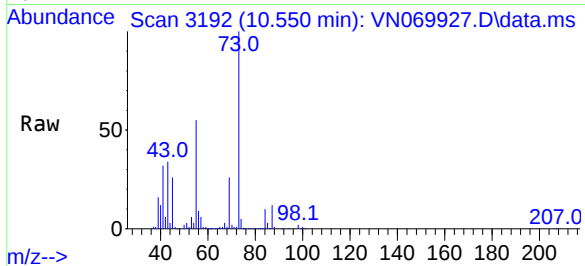




#53
t-1,3-Dichloropropene
Concen: 2.825 ug/l
RT: 10.550 min Scan# 3119
Delta R.T. -0.169 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

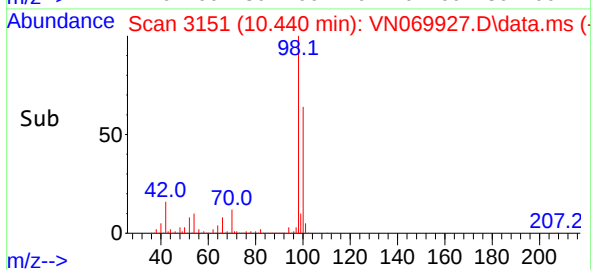
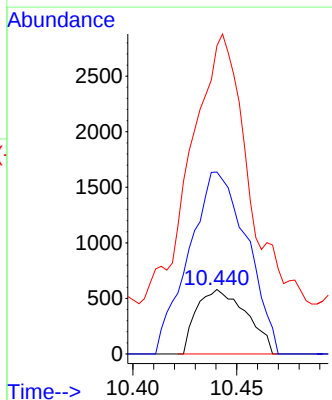
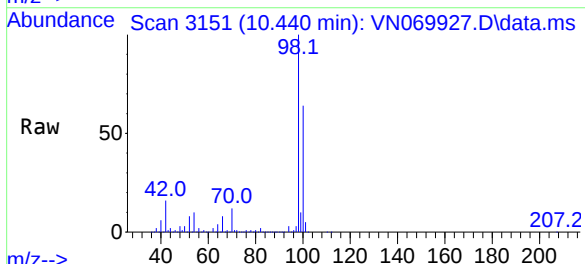
Instrument :
MSVOA_N
ClientSampleId :
MW-19

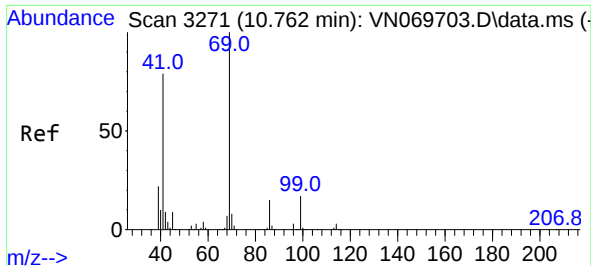
Tgt Ion: 75 Resp: 847
Ion Ratio Lower Upper
75 100
77 20.2 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.033 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.249 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 75 Resp: 968
Ion Ratio Lower Upper
75 100
77 282.2 26.4 39.6#
39 346.2 42.5 63.7#

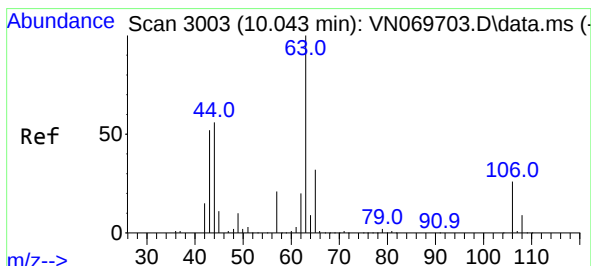
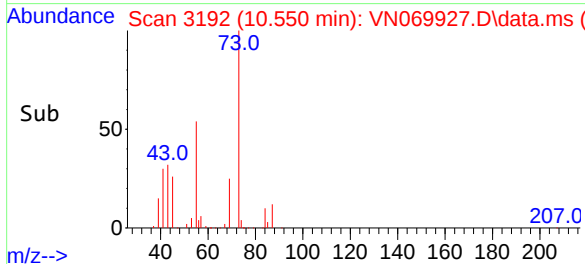
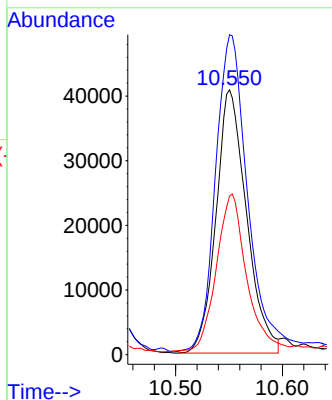
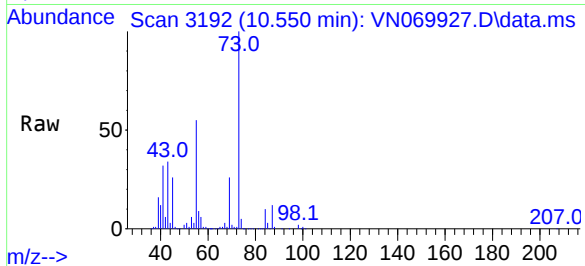




#56
Ethyl methacrylate
Concen: 4.853 ug/l
RT: 10.550 min Scan# 31
Delta R.T. -0.212 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

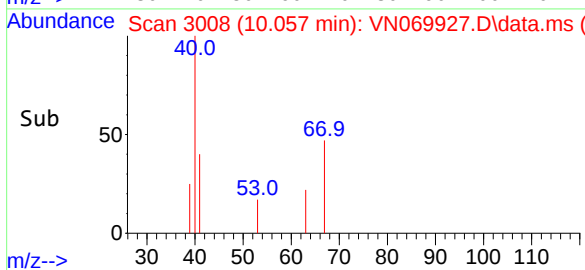
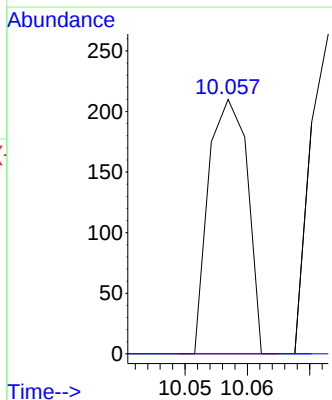
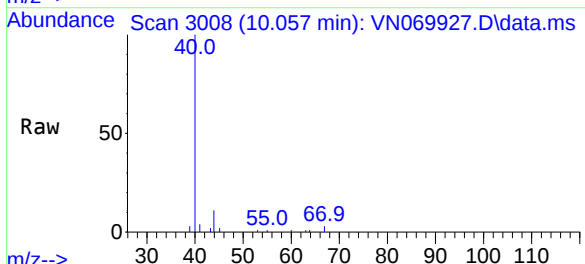
Instrument :
MSVOA_N
ClientSampleId :
MW-19

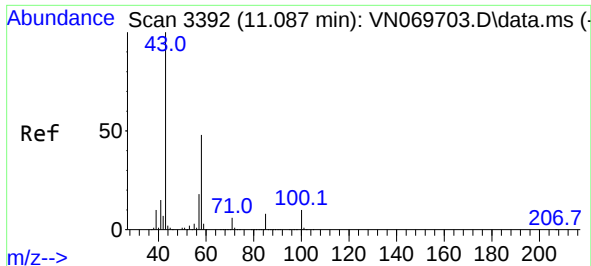
Tgt Ion: 69 Resp: 80853
Ion Ratio Lower Upper
69 100
41 127.5 51.4 77.0#
39 59.6 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.399 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.014 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 63 Resp: 91
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

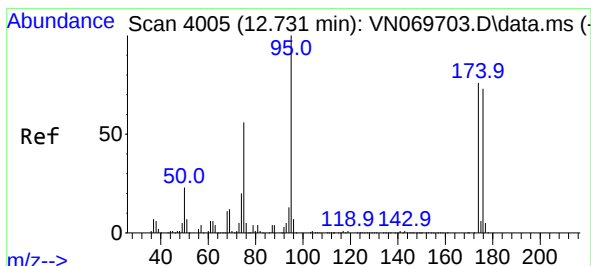
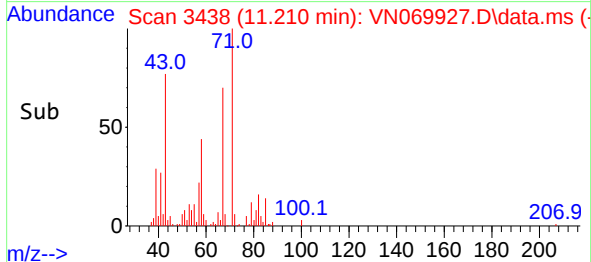
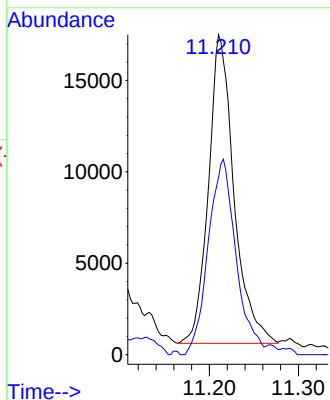
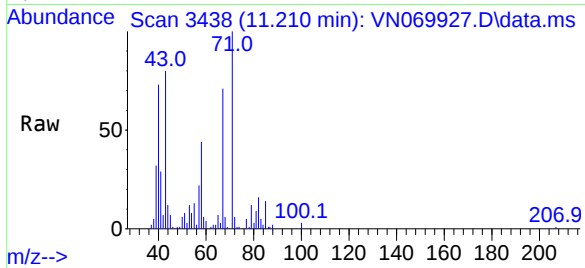




#59
2-Hexanone
Concen: 1.476 ug/l
RT: 11.210 min Scan# 34
Delta R.T. 0.123 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

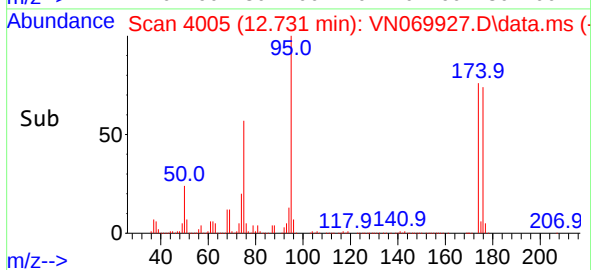
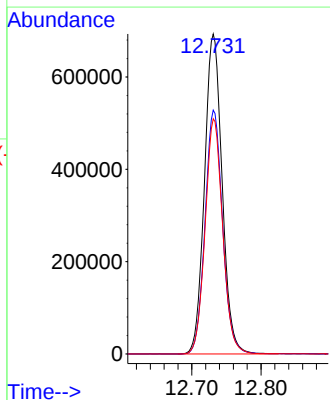
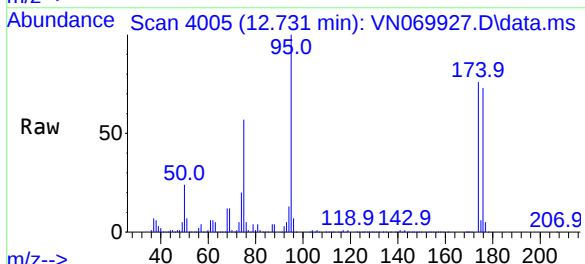
Instrument :
MSVOA_N
ClientSampleId :
MW-19

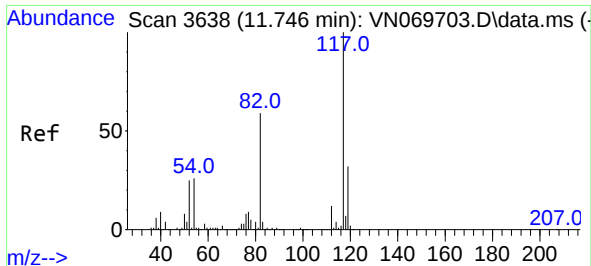
Tgt Ion: 43 Resp: 33673
Ion Ratio Lower Upper
43 100
58 68.7 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 60.757 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

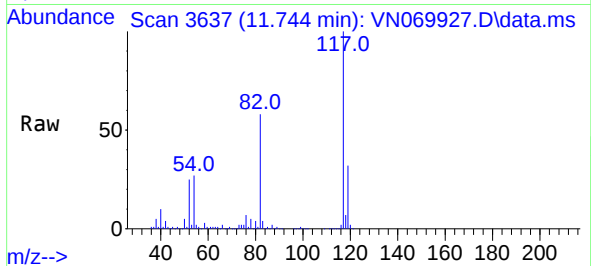
Tgt Ion: 95 Resp: 1227049
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.2 0.0 181.4





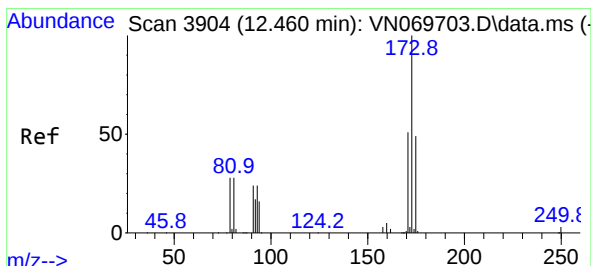
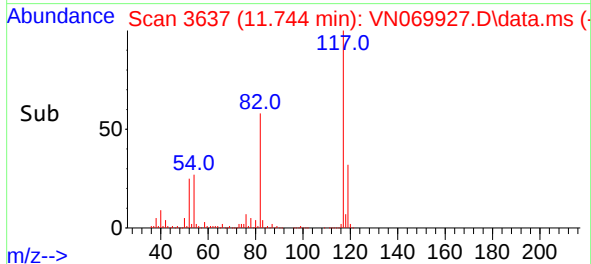
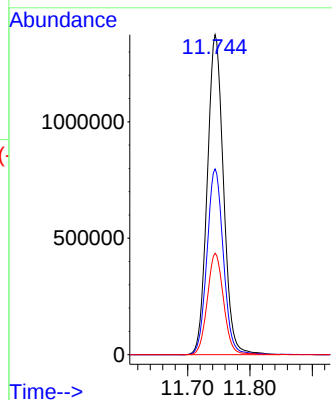
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Instrument :
MSVOA_N
ClientSampleId :
MW-19



Tgt Ion:117 Resp: 2489338

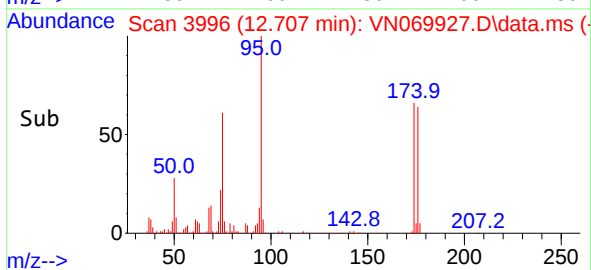
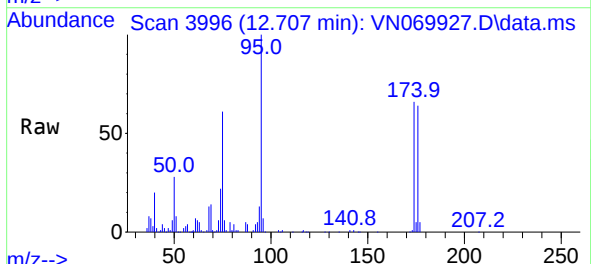
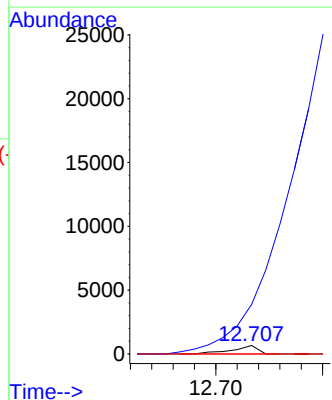
Ion	Ratio	Lower	Upper
117	100		
82	58.1	42.4	63.6
119	31.7	25.4	38.2

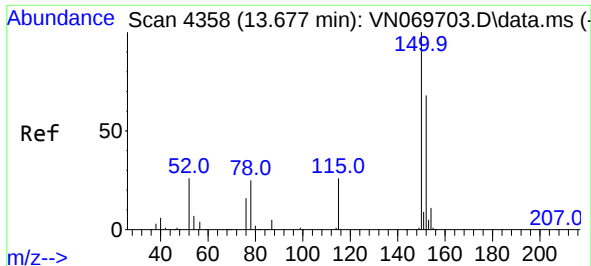


#71
Bromoform
Concen: 2.744 ug/l
RT: 12.707 min Scan# 3996
Delta R.T. 0.247 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion:173 Resp: 216

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

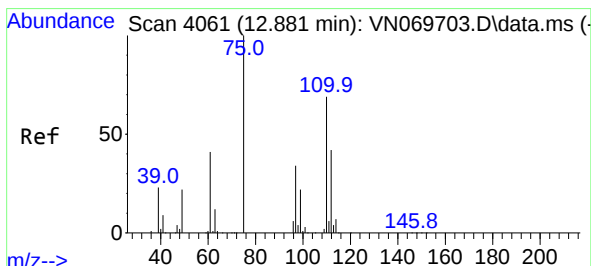
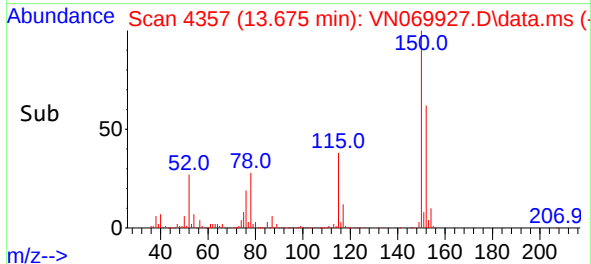
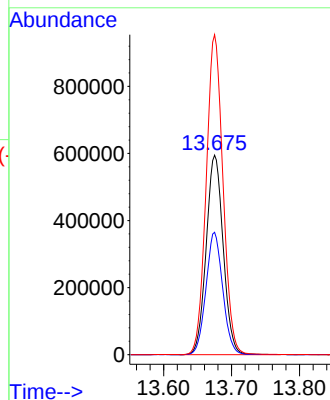
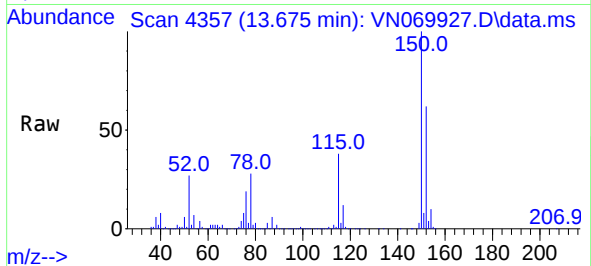




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

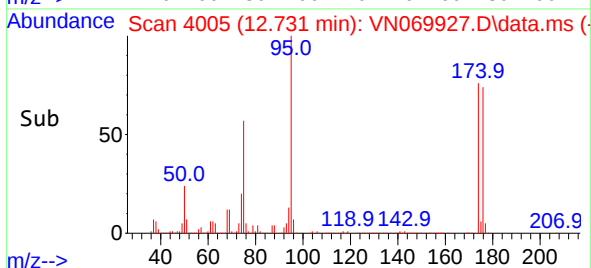
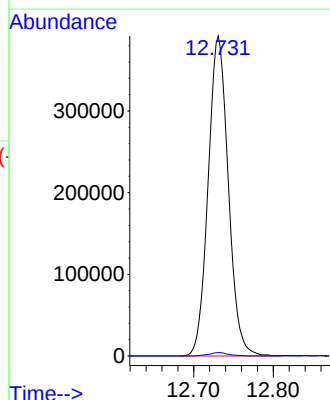
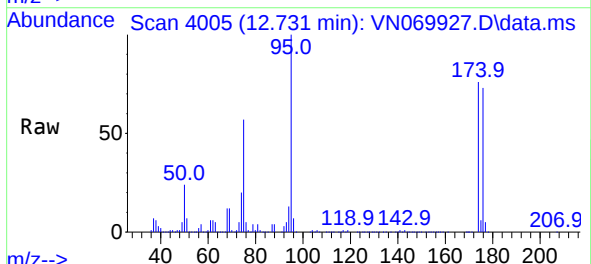
Instrument :
MSVOA_N
ClientSampleId :
MW-19

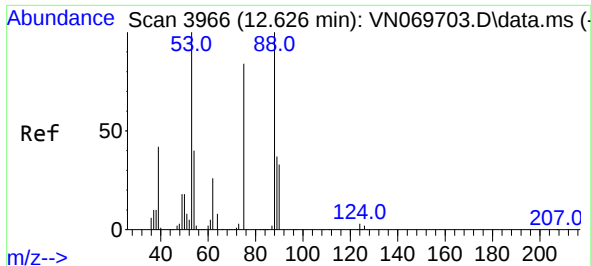
Tgt Ion:152 Resp: 1032110
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.326 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 75 Resp: 690416
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

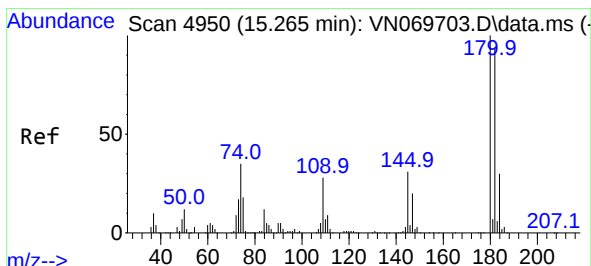
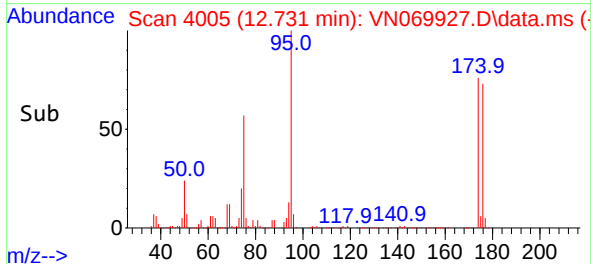
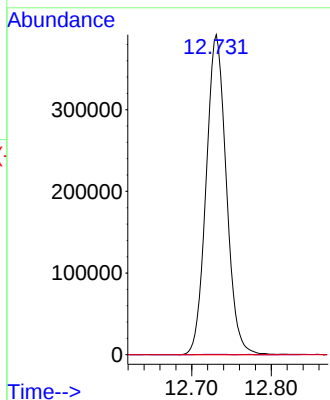
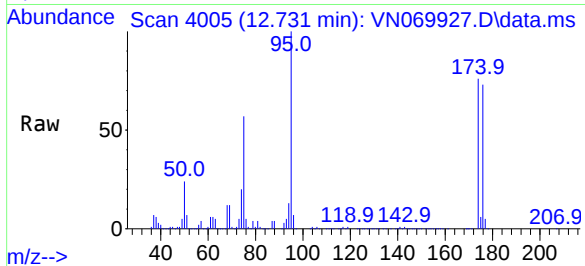




#81
trans-1,4-Dichloro-2-butene
Concen: 74.204 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

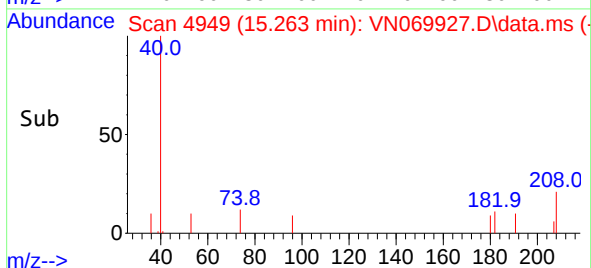
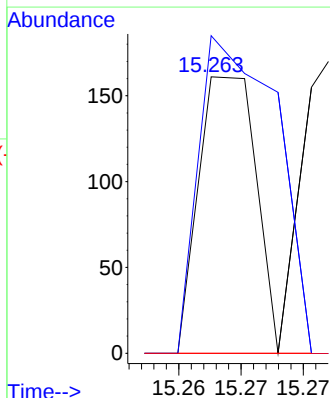
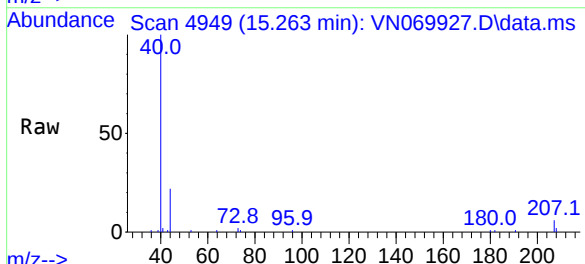
Instrument :
MSVOA_N
ClientSampleId :
MW-19

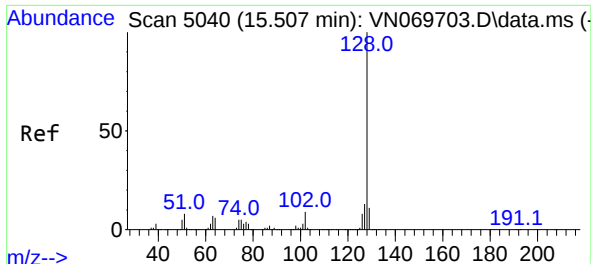
Tgt Ion: 75 Resp: 690416
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion: 180 Resp: 52
Ion Ratio Lower Upper
180 100
182 155.8 48.3 144.9#
145 0.0 14.5 43.5#

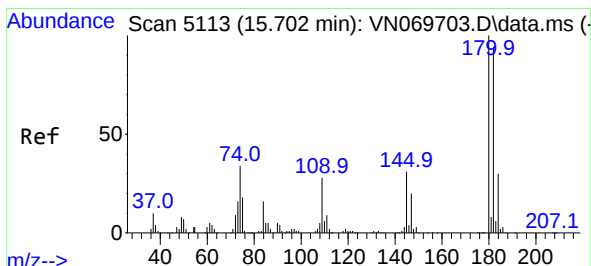
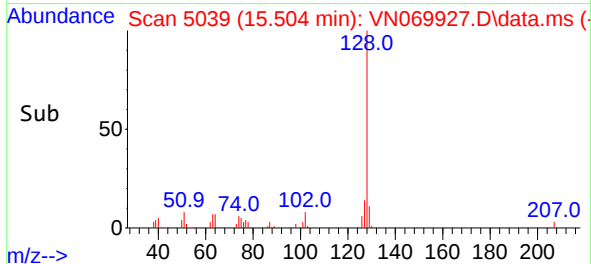
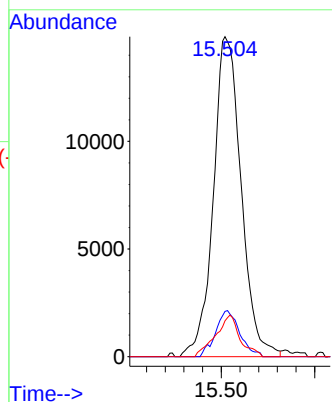
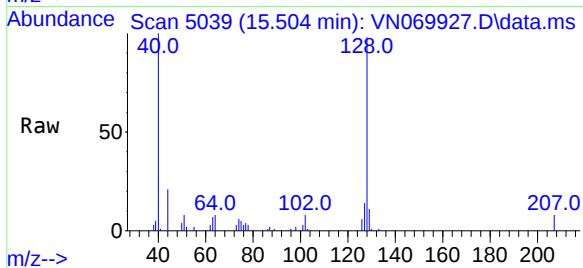




#95
Naphthalene
Concen: 4.545 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Instrument :
MSVOA_N
ClientSampleId :
MW-19

Tgt Ion:128	Resp:	30708
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.5 15.7
129	11.3	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.437 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069927.D
Acq: 9 Dec 2021 21:51

Tgt Ion:180	Resp:	27
Ion Ratio	Lower	Upper
180	100	
182	429.6	47.4 142.2#
145	0.0	15.0 45.1#

