

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075711.D
 Acq On : 12 Dec 2022 14:29
 Operator : JC\MD
 Sample : N5989-09DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25DL

Quant Time: Dec 13 01:33:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

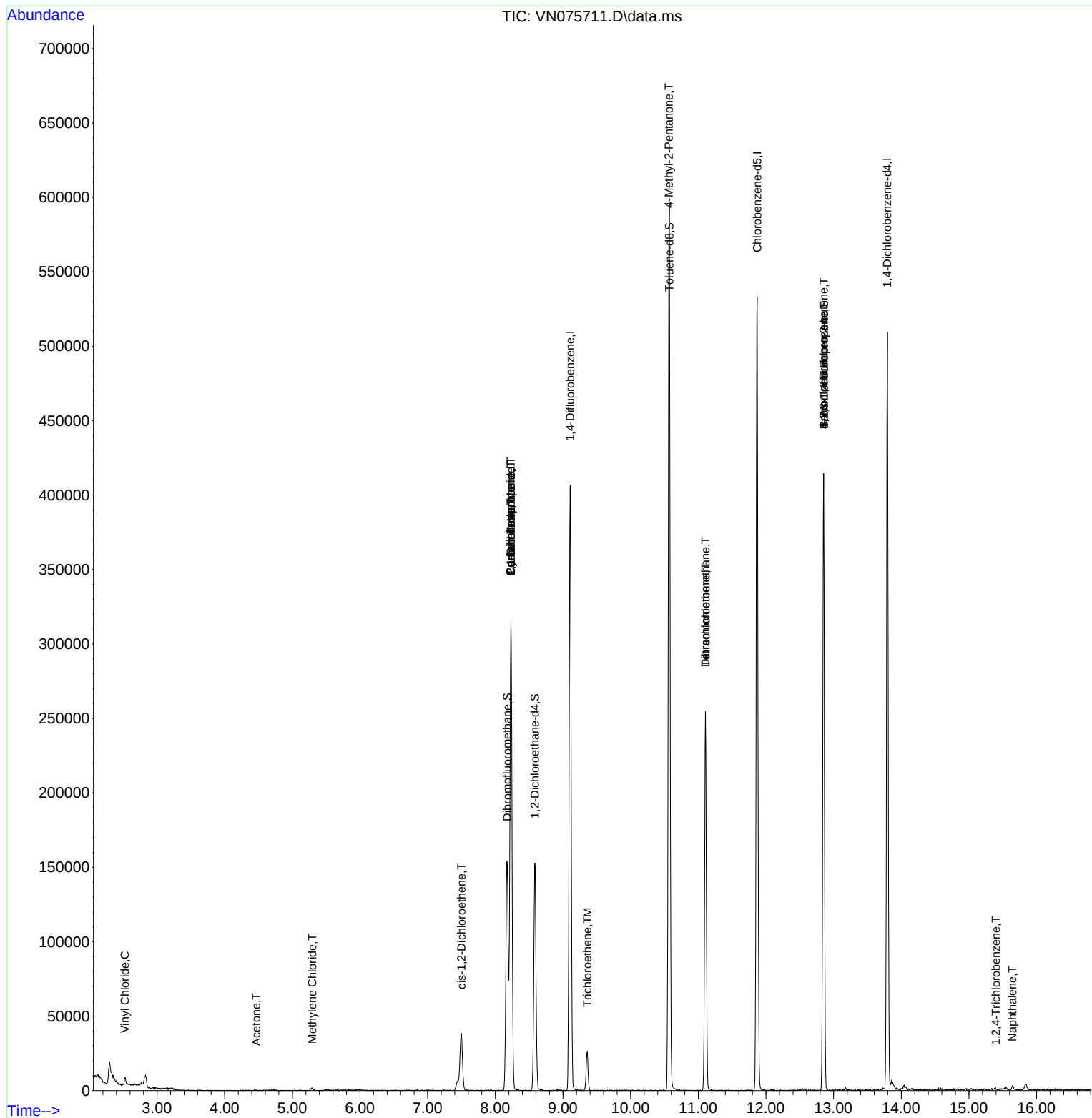
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	250037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	331927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122255	46.083	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.160%
35) Dibromofluoromethane	8.177	113	113237	48.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	10.571	98	437709	50.370	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.853	95	138650	46.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.340%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.524	62	4480	1.665	ug/l	89
16) Acetone	4.465	43	388	0.432	ug/l #	41
20) Methylene Chloride	5.295	84	1091	0.407	ug/l #	80
27) cis-1,2-Dichloroethene	7.500	96	25318	8.712	ug/l	91
31) Cyclohexane	8.230	56	4429	1.128	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	17176	5.590	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24142	6.809	ug/l #	15
44) Trichloroethene	9.359	130	9991	3.756	ug/l	96
51) 4-Methyl-2-Pentanone	10.565	43	1624	0.639	ug/l #	1
60) Dibromochloromethane	11.106	129	57040	21.153	ug/l #	11
64) Tetrachloroethene	11.106	164	59790	24.730	ug/l	93
71) Bromoform	12.853	173	1126	0.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68832	23.842	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68832	76.192	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.400	180	499	0.215	ug/l #	79
95) Naphthalene	15.641	128	3120	0.455	ug/l #	88

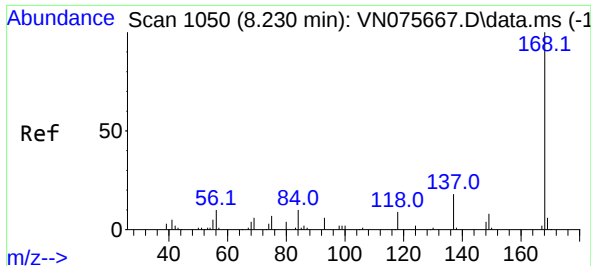
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
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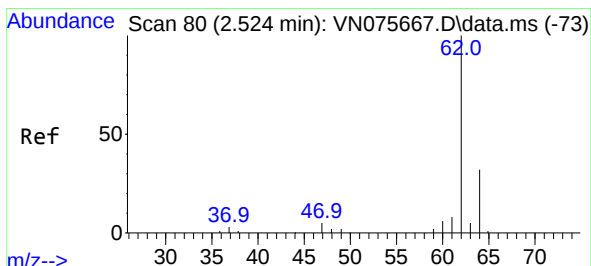
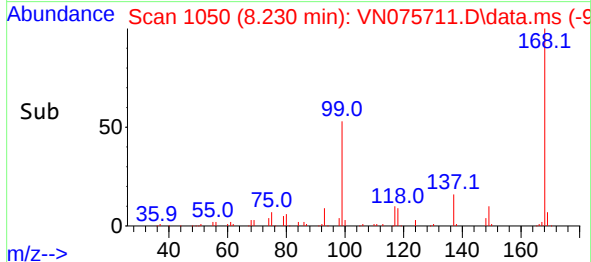
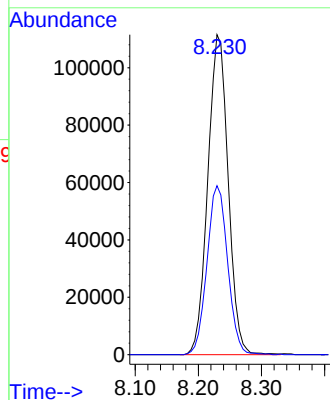
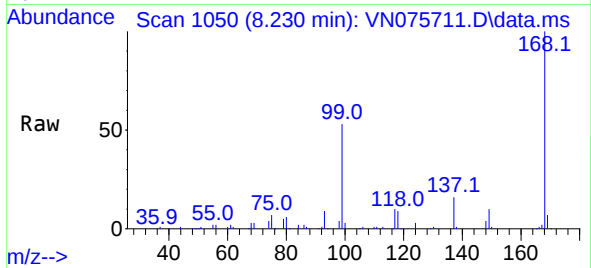




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

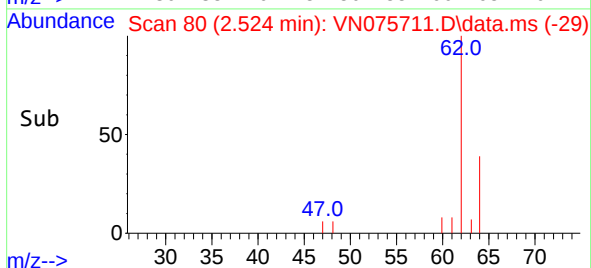
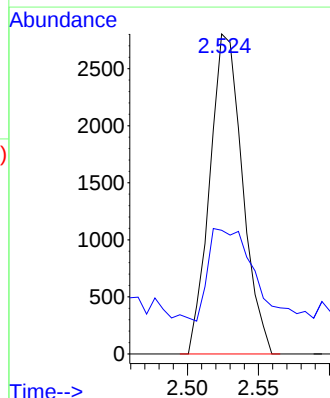
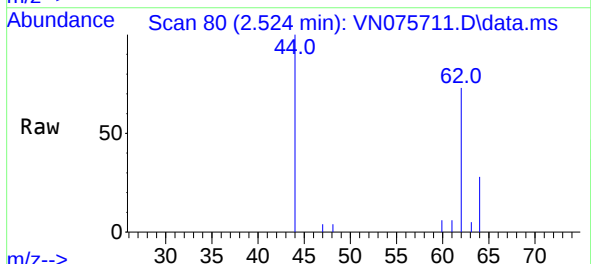
Instrument :
MSVOA_N
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MW-25DL

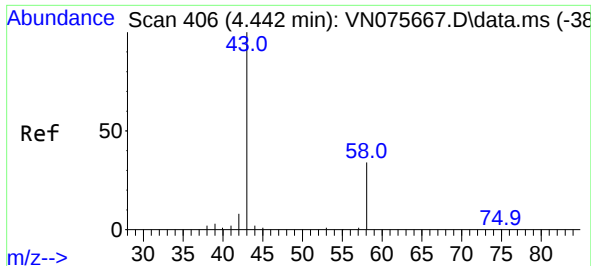
Tgt Ion:168 Resp: 250037
Ion Ratio Lower Upper
168 100
99 52.8 41.2 61.8



#4
Vinyl Chloride
Concen: 1.665 ug/l
RT: 2.524 min Scan# 80
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 62 Resp: 4480
Ion Ratio Lower Upper
62 100
64 26.4 25.9 38.9

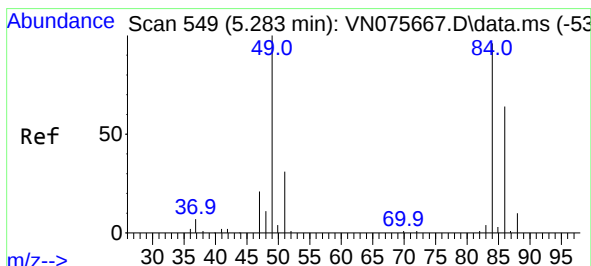
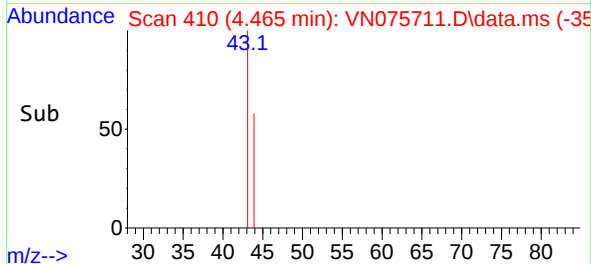
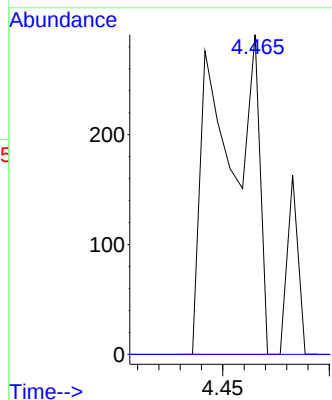
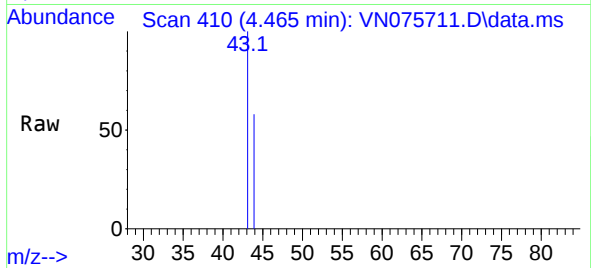




#16
Acetone
Concen: 0.432 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.024 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

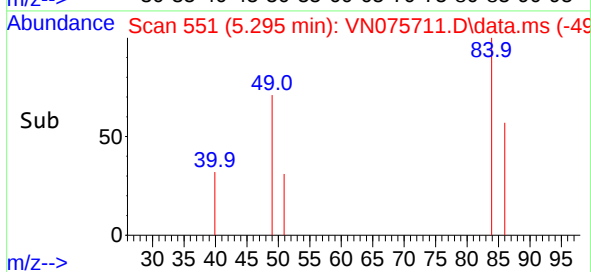
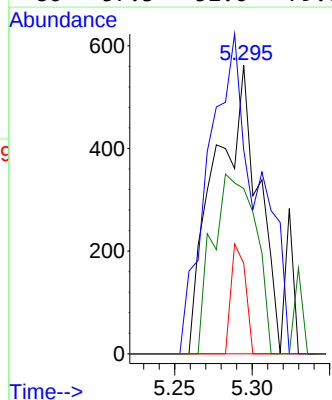
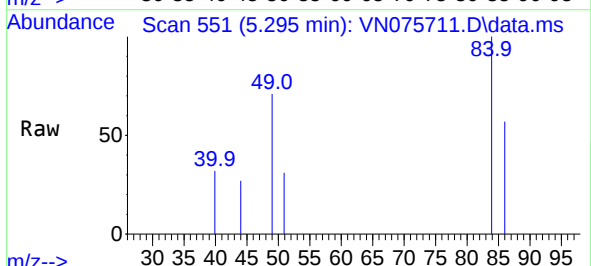
Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

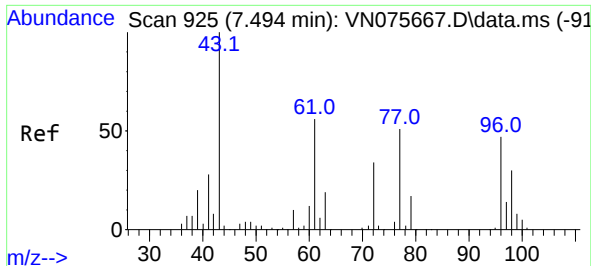
Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#20
Methylene Chloride
Concen: 0.407 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.012 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 84 Resp: 1091
Ion Ratio Lower Upper
84 100
49 70.6 83.0 124.4#
51 31.3 26.0 39.0
86 57.3 52.6 79.0

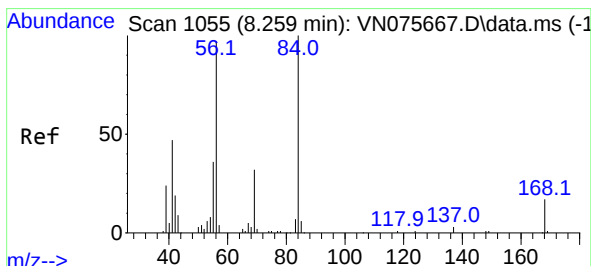
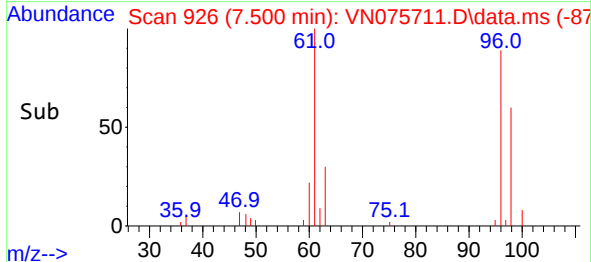
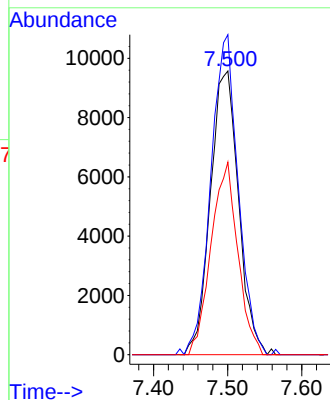
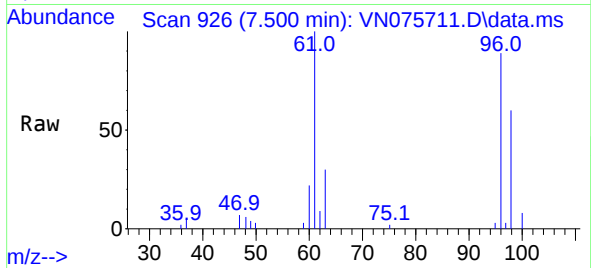




#27
 cis-1,2-Dichloroethene
 Concen: 8.712 ug/l
 RT: 7.500 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN075711.D
 Acq: 12 Dec 2022 14:29

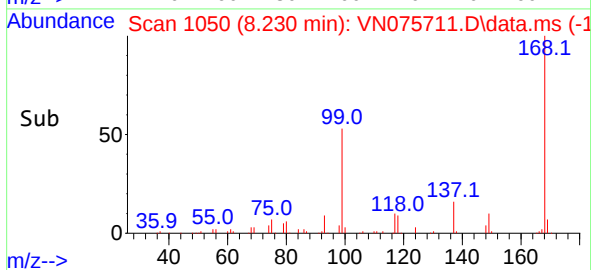
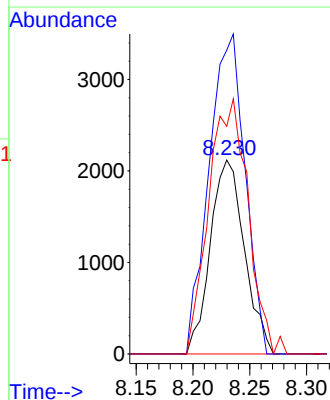
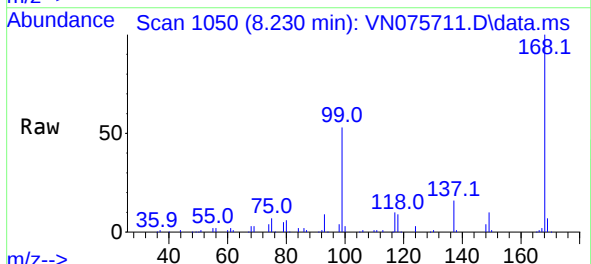
Instrument :
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 MW-25DL

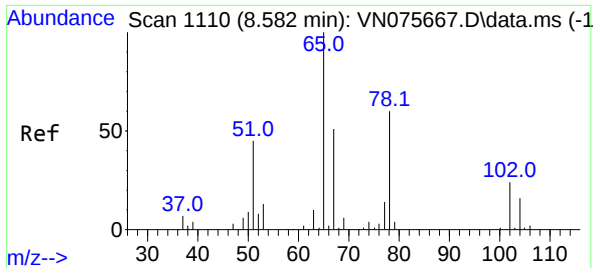
Tgt Ion: 96 Resp: 25318
 Ion Ratio Lower Upper
 96 100
 61 109.2 0.0 247.8
 98 64.3 0.0 126.0



#31
 Cyclohexane
 Concen: 1.128 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.029 min
 Lab File: VN075711.D
 Acq: 12 Dec 2022 14:29

Tgt Ion: 56 Resp: 4429
 Ion Ratio Lower Upper
 56 100
 69 156.7 26.2 39.2#
 84 117.5 82.8 124.2

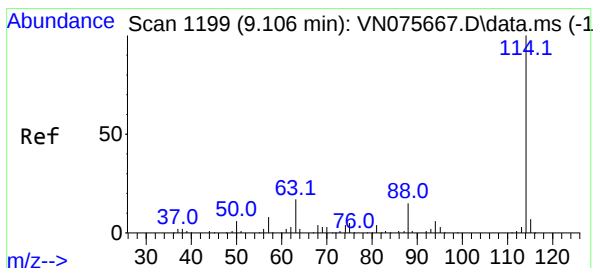
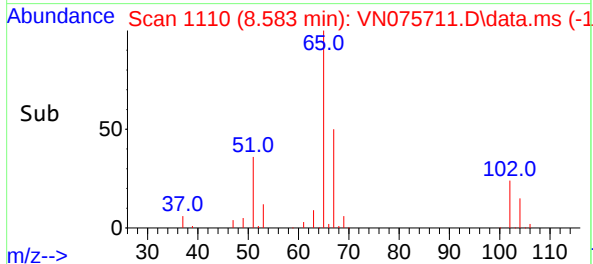
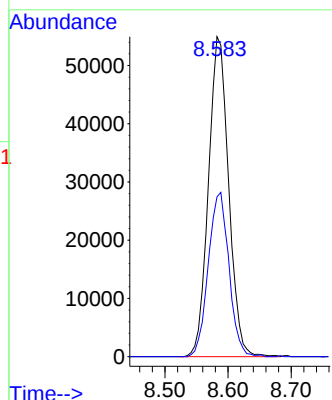
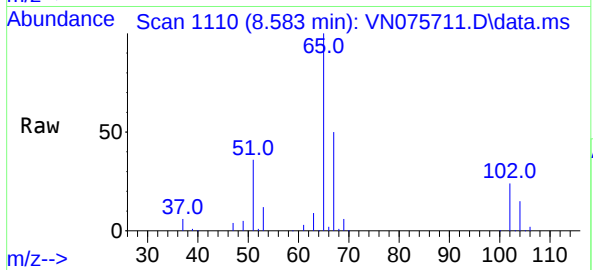




#33
 1,2-Dichloroethane-d4
 Concen: 46.083 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN075711.D
 Acq: 12 Dec 2022 14:29

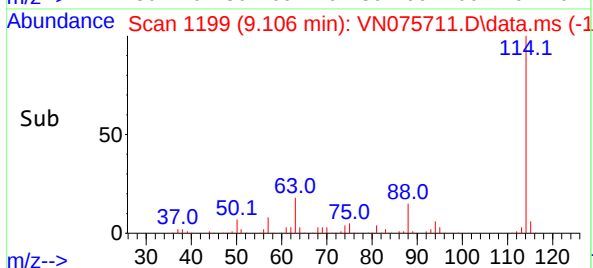
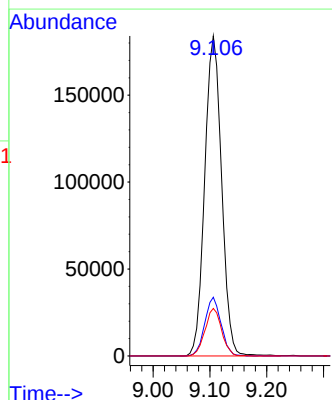
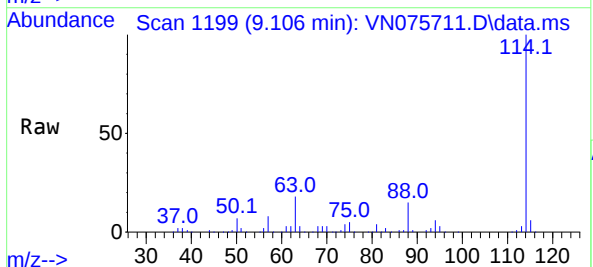
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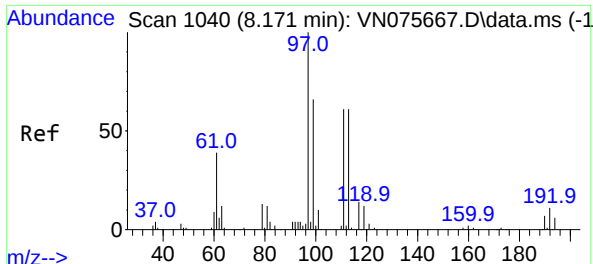
Tgt Ion: 65 Resp: 122255
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075711.D
 Acq: 12 Dec 2022 14:29

Tgt Ion: 114 Resp: 379264
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.4
 88 14.9 0.0 29.2

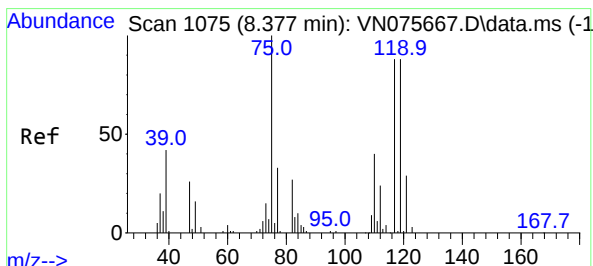
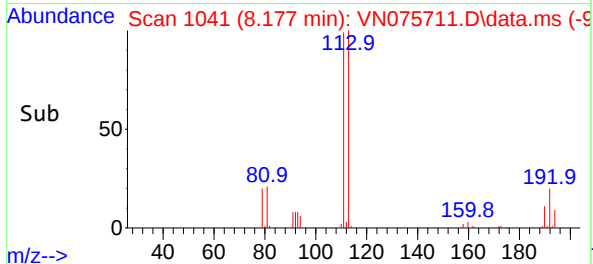
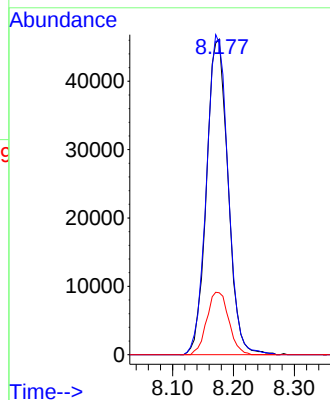
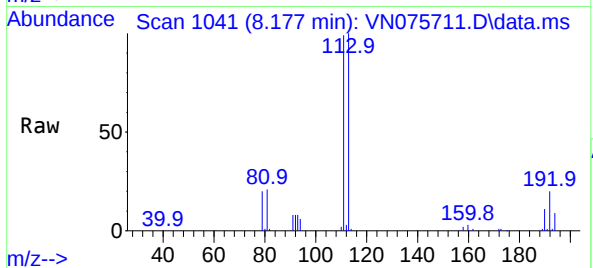




#35
Dibromofluoromethane
Concen: 48.937 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

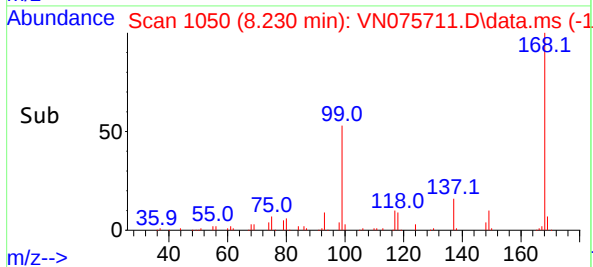
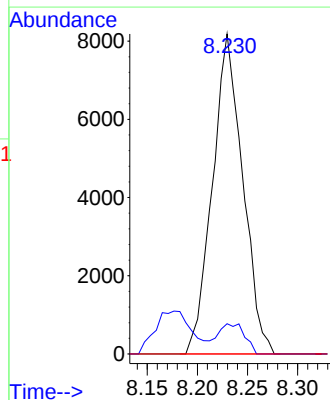
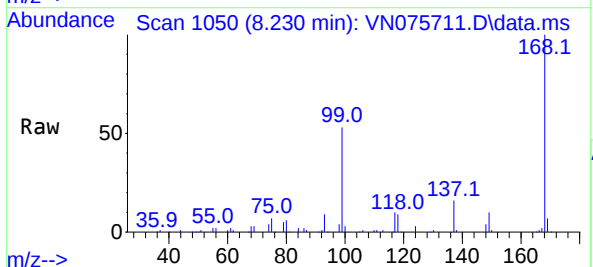
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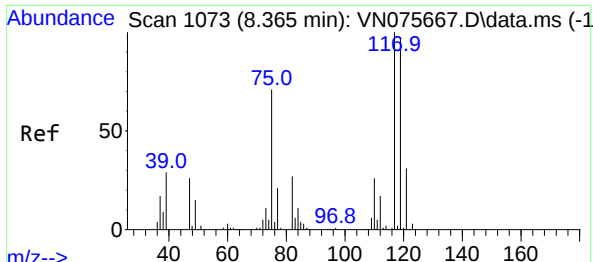
Tgt Ion:113 Resp: 113237
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.6
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.590 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 75 Resp: 17176
Ion Ratio Lower Upper
75 100
110 8.3 18.9 56.9#
77 0.0 25.4 38.2#

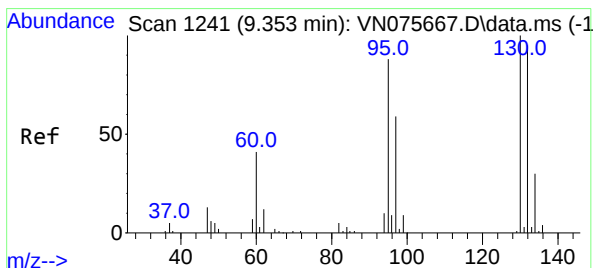
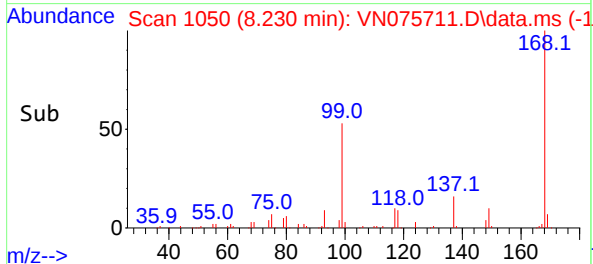
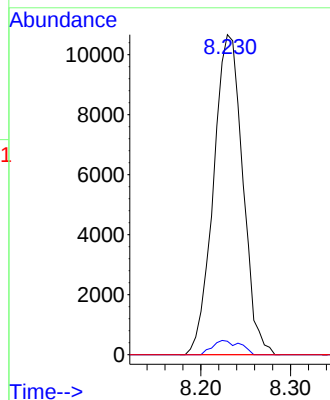
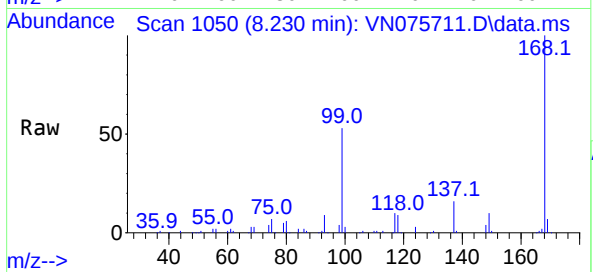




#38
Carbon Tetrachloride
Concen: 6.809 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

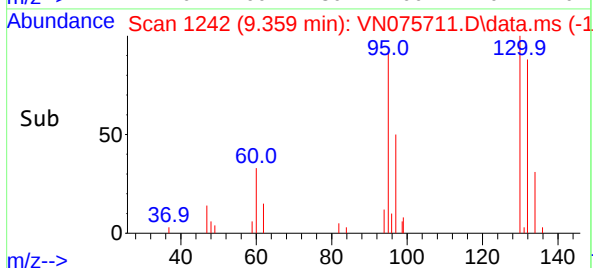
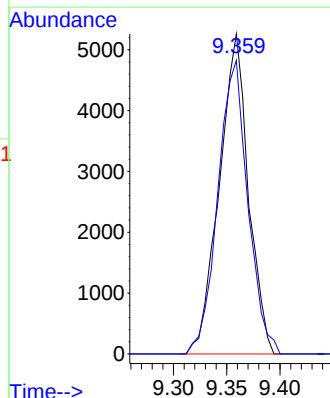
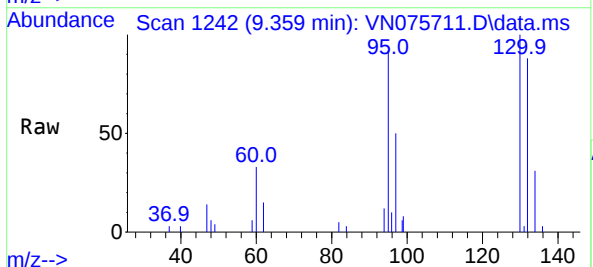
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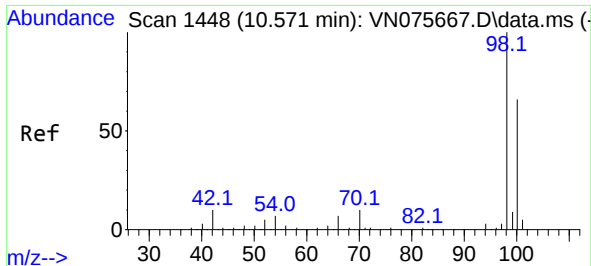
Tgt Ion:117 Resp: 24142
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 3.756 ug/l
RT: 9.359 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion:130 Resp: 9991
Ion Ratio Lower Upper
130 100
95 91.7 0.0 176.8

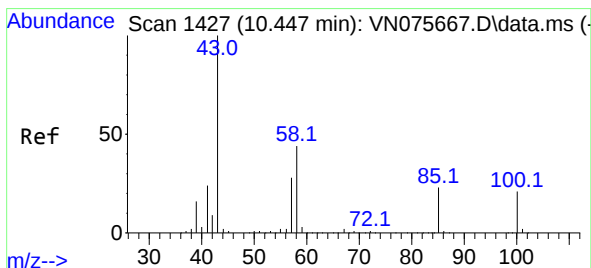
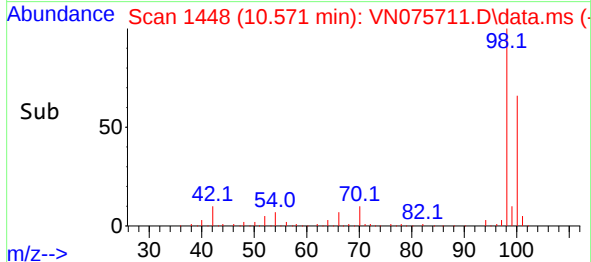
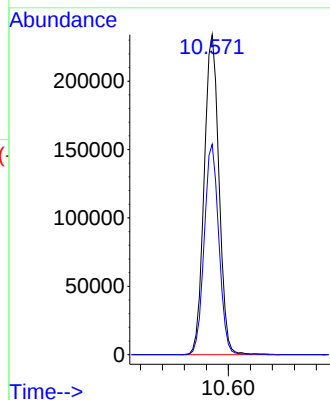
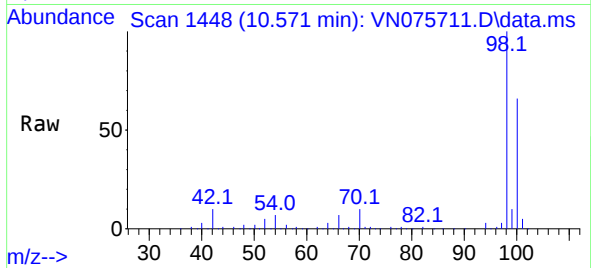




#50
Toluene-d8
Concen: 50.370 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

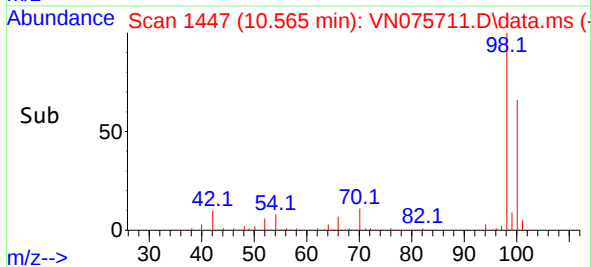
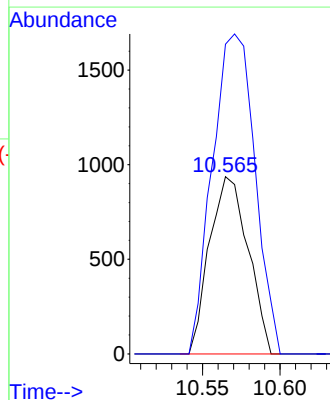
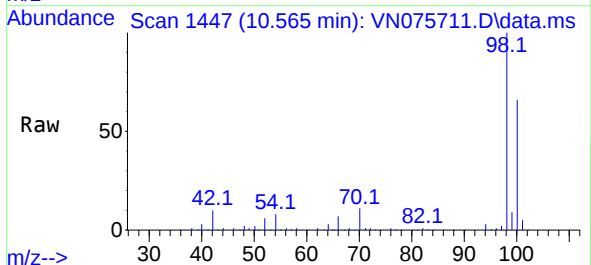
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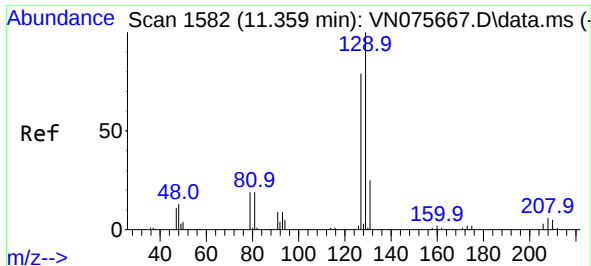
Tgt Ion: 98 Resp: 437709
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.639 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
58 199.2 35.0 52.6#

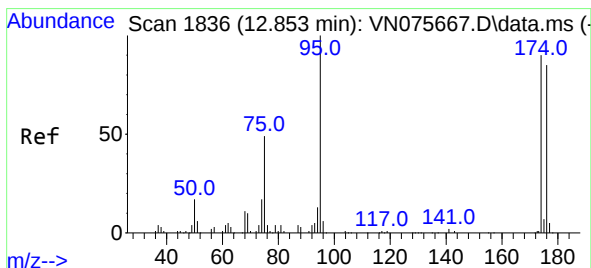
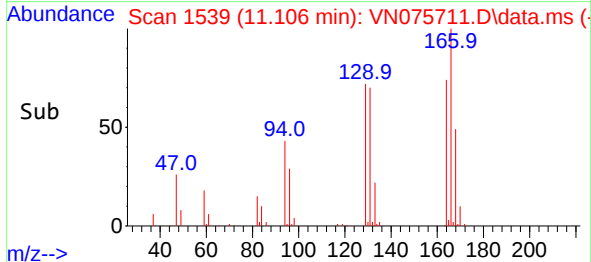
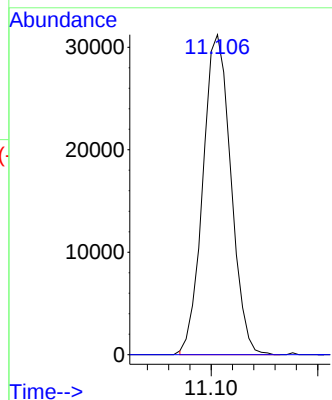
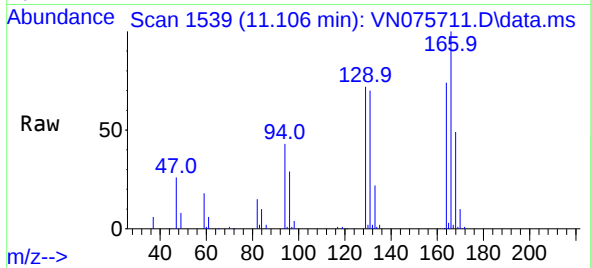




#60
Dibromochloromethane
Concen: 21.153 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

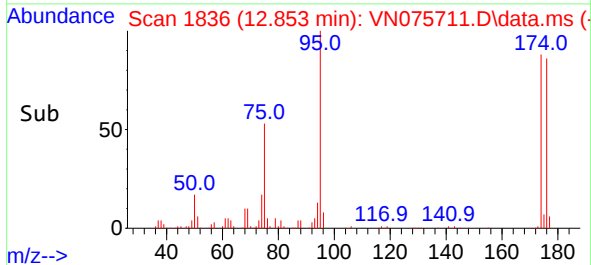
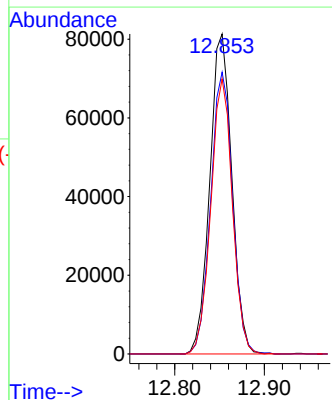
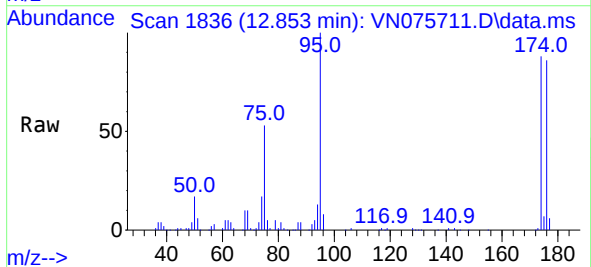
Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

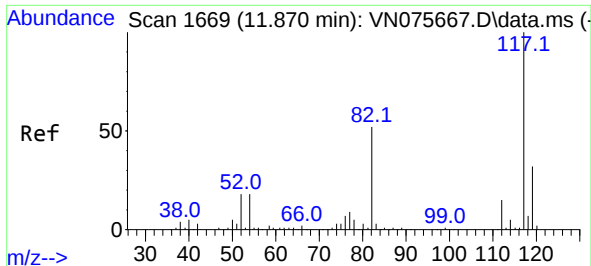
Tgt Ion:129 Resp: 57040
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.666 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 95 Resp: 138650
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.6
176 84.0 0.0 170.8

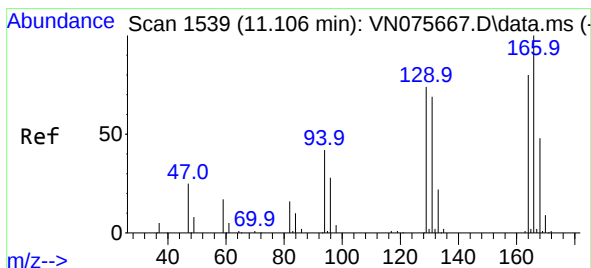
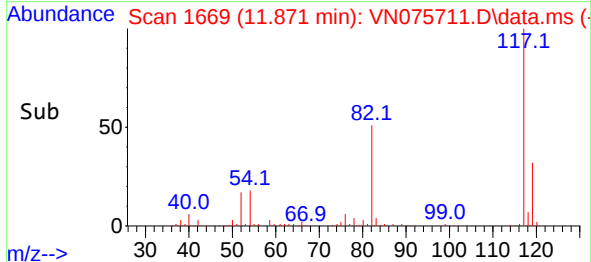
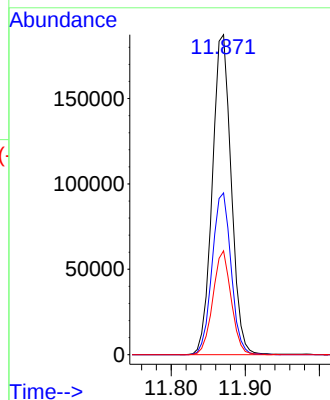
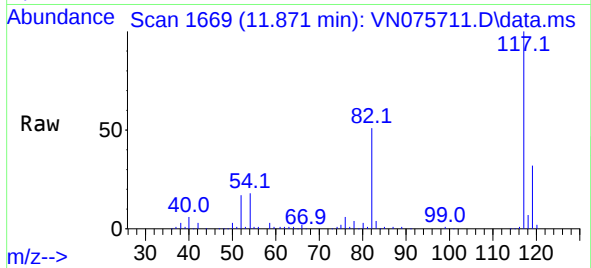




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

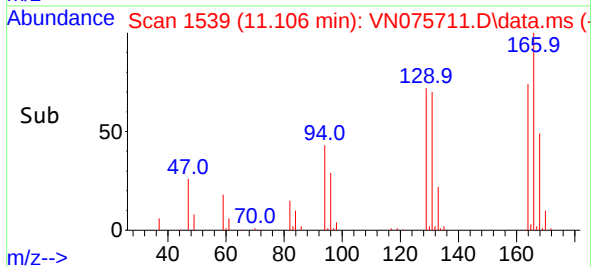
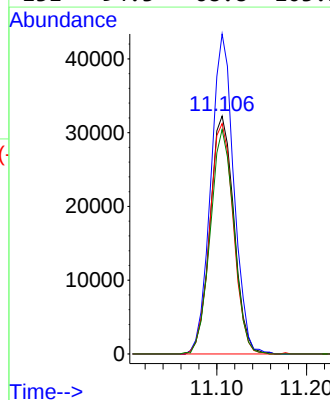
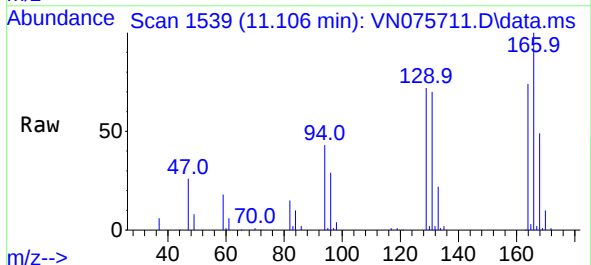
Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

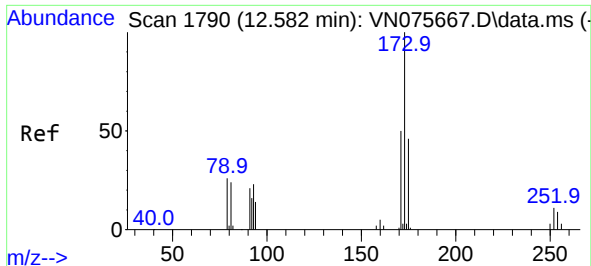
Tgt Ion:117 Resp: 331927
Ion Ratio Lower Upper
117 100
82 50.6 41.8 62.8
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 24.730 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion:164 Resp: 59790
Ion Ratio Lower Upper
164 100
166 134.5 100.3 150.5
129 96.8 73.9 110.9
131 94.3 68.8 103.2

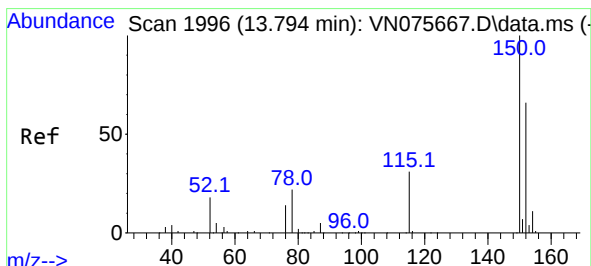
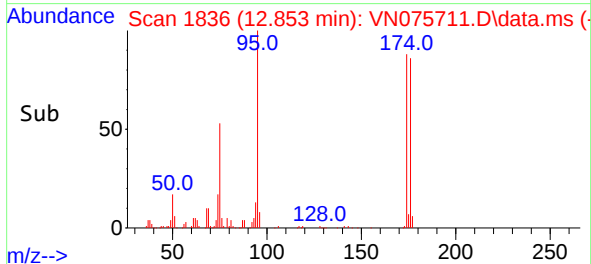
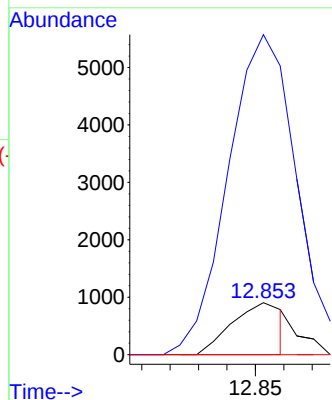
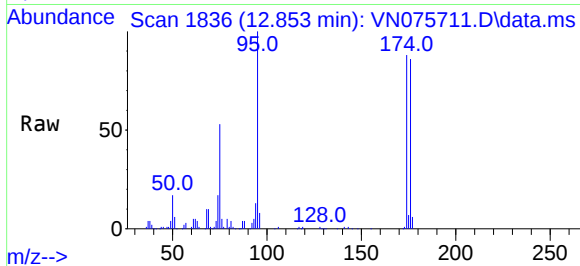




#71
Bromoform
Concen: 0.598 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

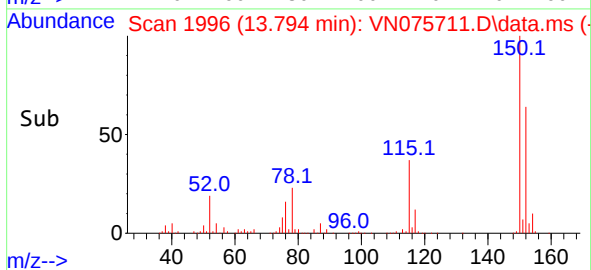
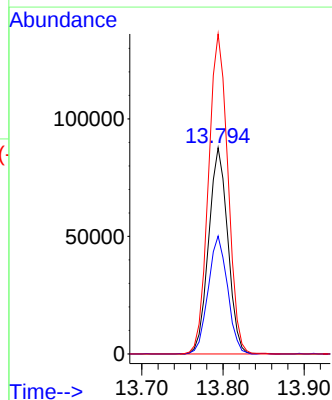
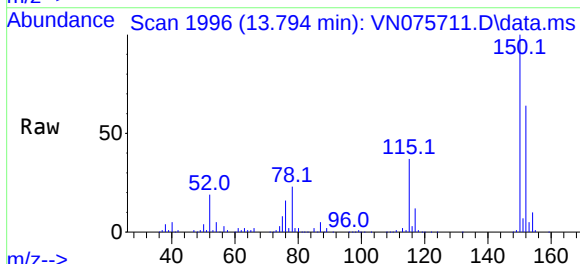
Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

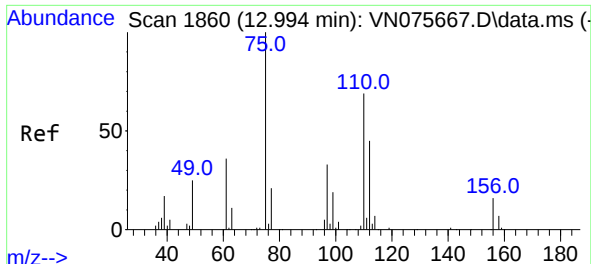
Tgt Ion:173 Resp: 1126
Ion Ratio Lower Upper
173 100
175 668.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion:152 Resp: 143758
Ion Ratio Lower Upper
152 100
115 57.7 28.4 85.2
150 157.4 0.0 347.6

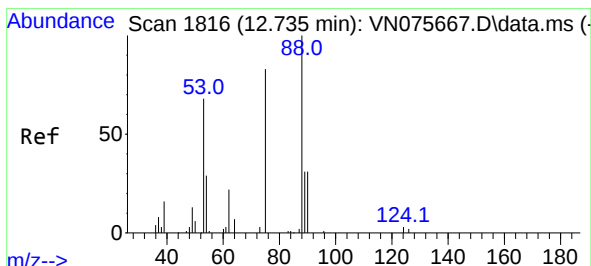
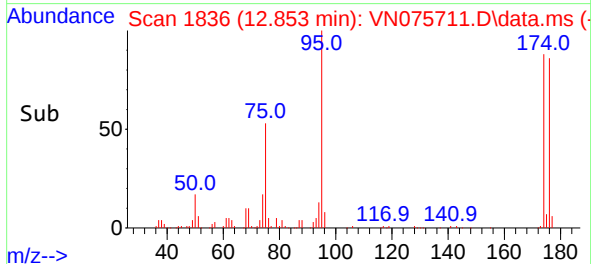
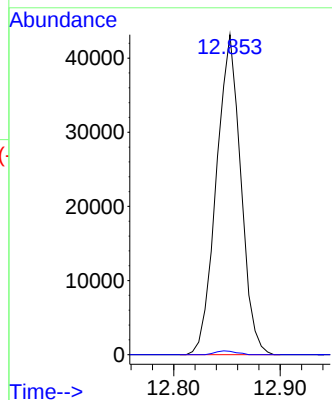
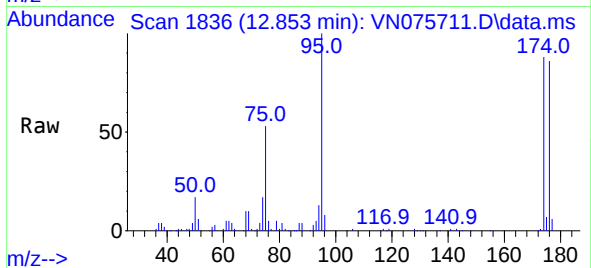




#76
1,2,3-Trichloropropane
Concen: 23.842 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

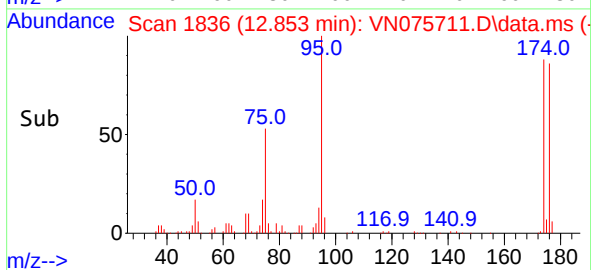
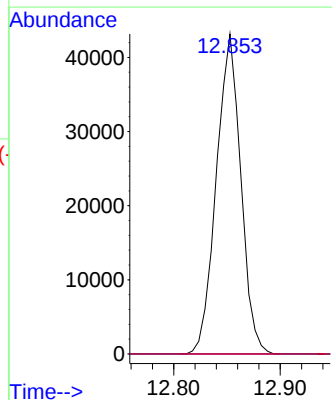
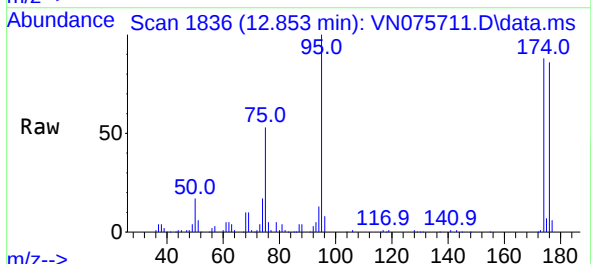
Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

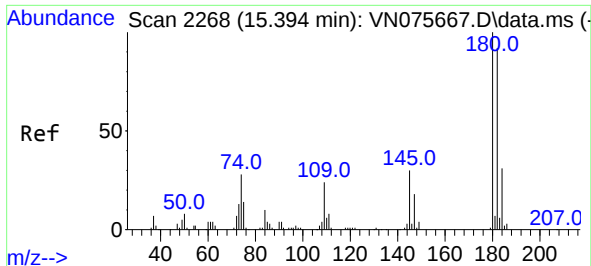
Tgt Ion: 75 Resp: 68832
Ion Ratio Lower Upper
75 100
77 1.0 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.192 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion: 75 Resp: 68832
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

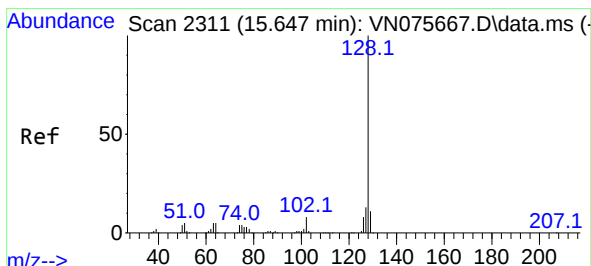
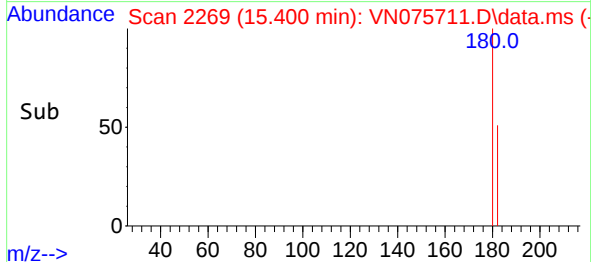
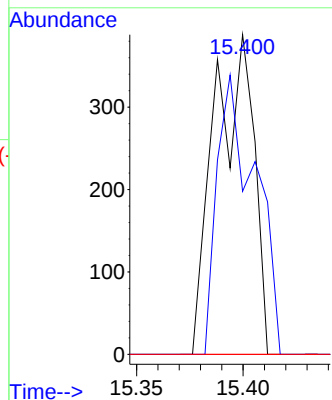
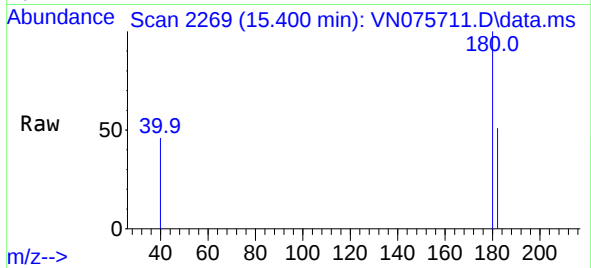




#93
1,2,4-Trichlorobenzene
Concen: 0.215 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
MW-25DL

Tgt Ion:180 Resp: 499
Ion Ratio Lower Upper
180 100
182 84.4 47.1 141.3
145 0.0 15.2 45.5#



#95
Naphthalene
Concen: 0.455 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.006 min
Lab File: VN075711.D
Acq: 12 Dec 2022 14:29

Tgt Ion:128 Resp: 3120
Ion Ratio Lower Upper
128 100
127 8.4 10.2 15.4#
129 5.8 8.4 12.6#

