

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075544.D
 Acq On : 02 Dec 2022 20:05
 Operator : JC\MD
 Sample : N5865-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-1S

Quant Time: Dec 03 00:38:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

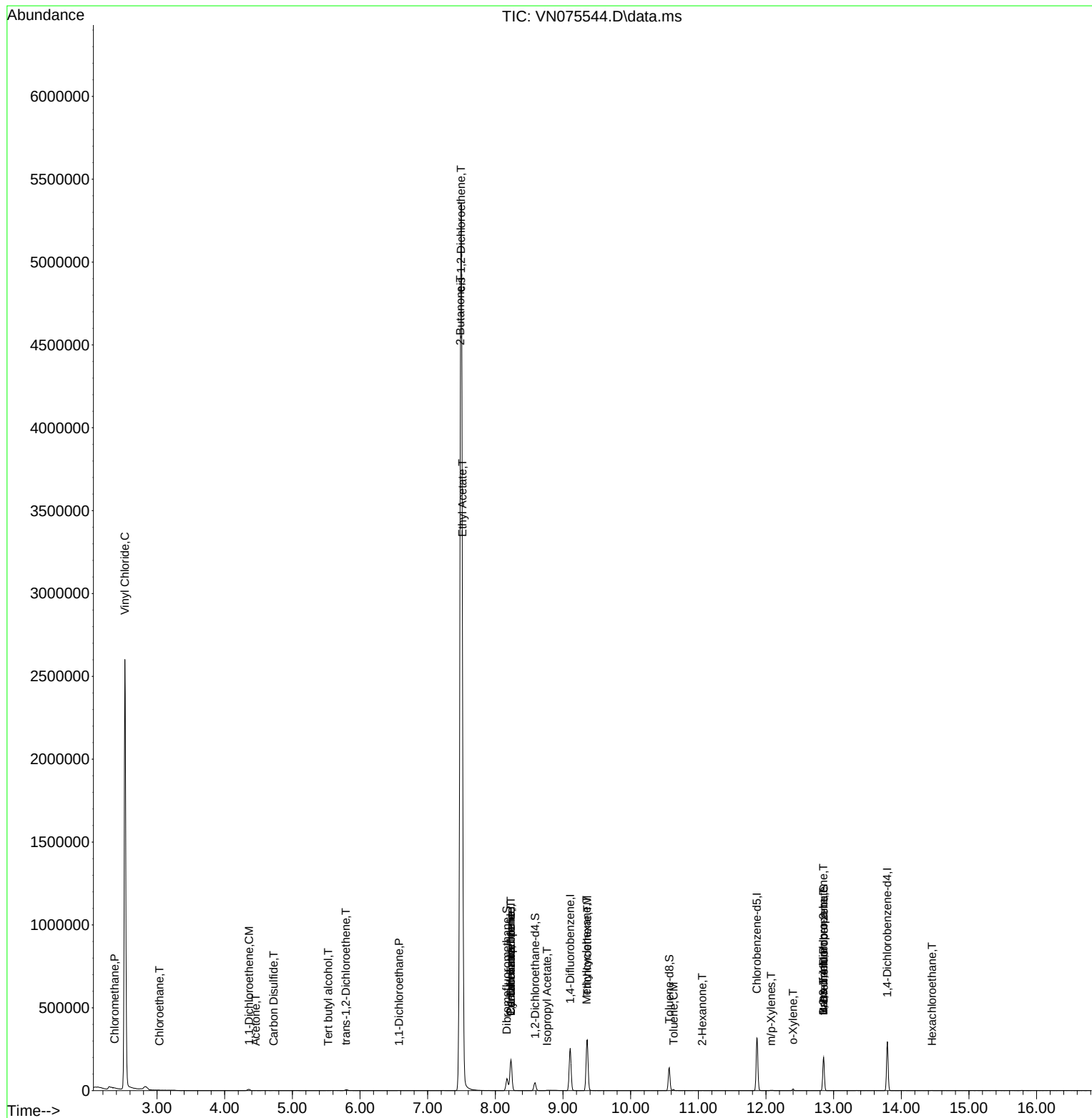
Internal Standards						
1) Pentafluorobenzene	8.230	168	147374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	39323	49.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.420%		
35) Dibromofluoromethane	8.171	113	49884	53.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.880%		
50) Toluene-d8	10.571	98	98180	46.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.853	95	68565	44.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.360%		
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	832	0.593	ug/l #	42
4) Vinyl Chloride	2.524	62	2472699	1399.220	ug/l	96
6) Chloroethane	3.036	64	577	0.431	ug/l #	45
11) Tert butyl alcohol	5.530	59	115	0.346	ug/l #	72
12) 1,1-Dichloroethene	4.359	96	5107	3.742	ug/l	82
16) Acetone	4.459	43	831	1.126	ug/l #	43
17) Carbon Disulfide	4.724	76	1298	0.366	ug/l #	74
18) Methyl Acetate	5.041	43	1203	Below Cal	#	59
21) trans-1,2-Dichloroethene	5.788	96	3728	2.397	ug/l #	74
24) 1,1-Dichloroethane	6.577	63	1854	0.717	ug/l #	82
25) 2-Butanone	7.482	43	426	0.414	ug/l #	1
27) cis-1,2-Dichloroethene	7.494	96	3391976	1928.678	ug/l	85
31) Cyclohexane	8.230	56	2376	0.945	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	9887	4.856	ug/l #	51
37) Ethyl Acetate	7.512	43	439	0.239	ug/l #	66
38) Carbon Tetrachloride	8.230	117	14136	6.321	ug/l #	15
39) Methylcyclohexane	9.347	83	1453	0.570	ug/l #	1
43) Isopropyl Acetate	8.765	43	1236	0.420	ug/l #	53
44) Trichloroethene	9.359	130	118725	69.612	ug/l	96
52) Toluene	10.635	92	3533	0.880	ug/l	96
59) 2-Hexanone	11.059	43	518	0.368	ug/l #	37
68) m/p-Xylenes	12.076	106	875	0.307	ug/l	100
69) o-Xylene	12.400	106	3312	1.170	ug/l	85
71) Bromoform	12.847	173	242	0.207	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	34003	21.481	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	34003	63.556	ug/l #	10
90) Hexachloroethane	14.453	117	702	0.769	ug/l #	19

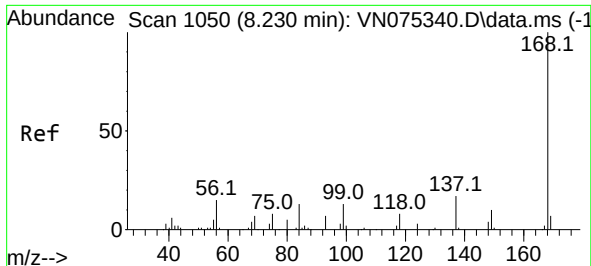
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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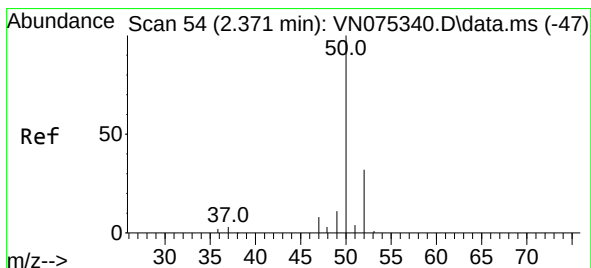
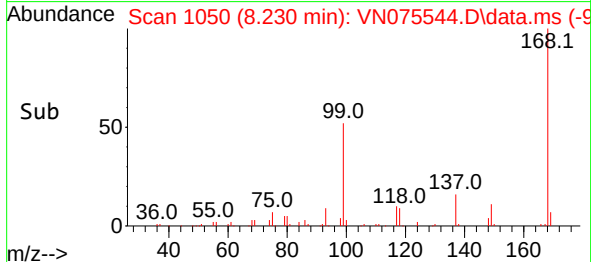
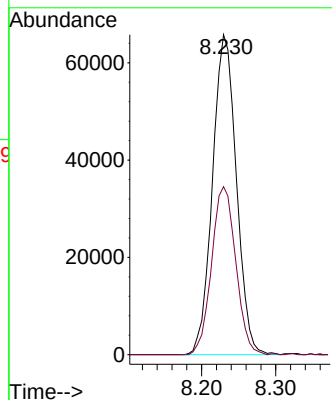
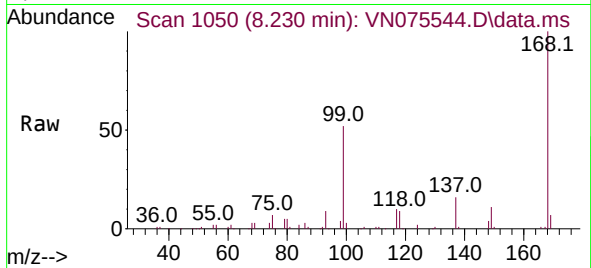




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

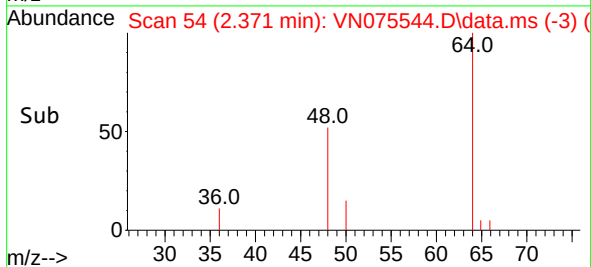
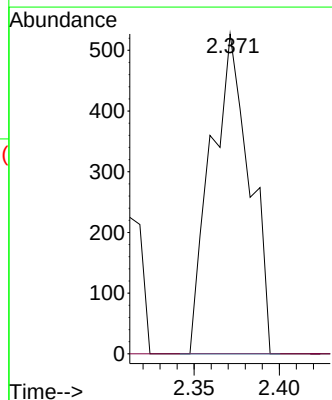
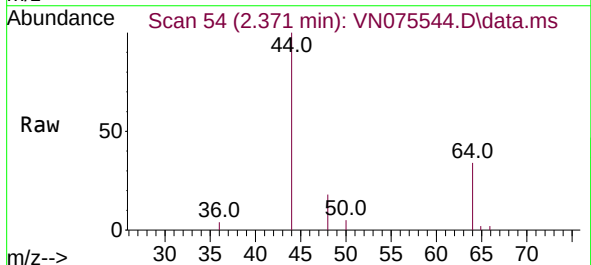
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

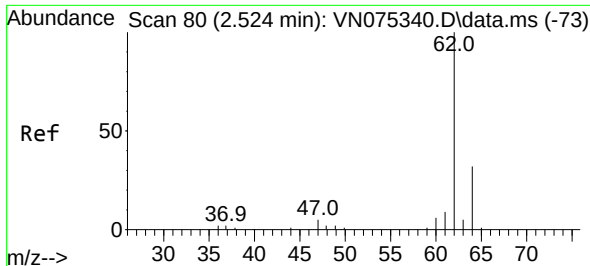
Tgt Ion:168 Resp: 147374
Ion Ratio Lower Upper
168 100
99 52.5 51.6 77.4



#3
Chloromethane
Concen: 0.593 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 50 Resp: 832
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

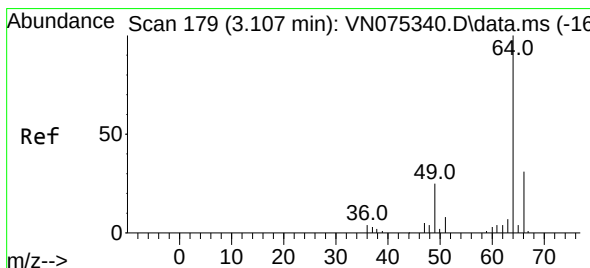
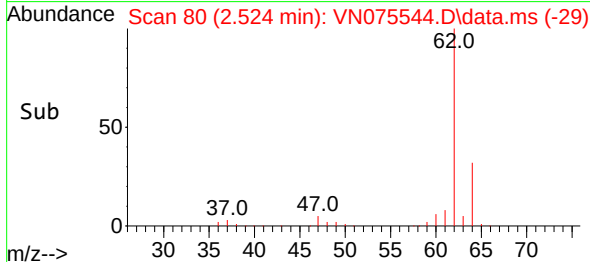
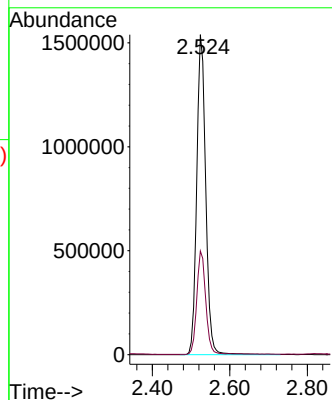
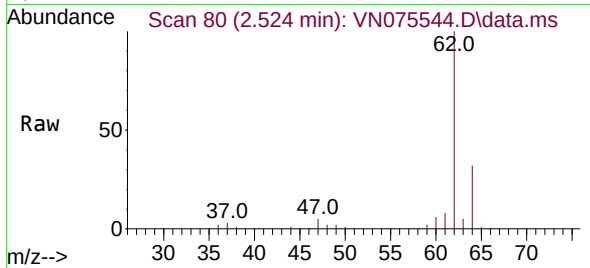




#4
 Vinyl Chloride
 Concen: 1399.220 ug/l
 RT: 2.524 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

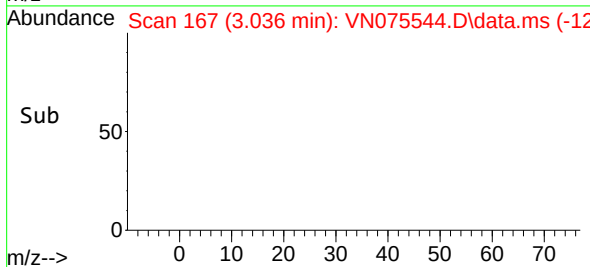
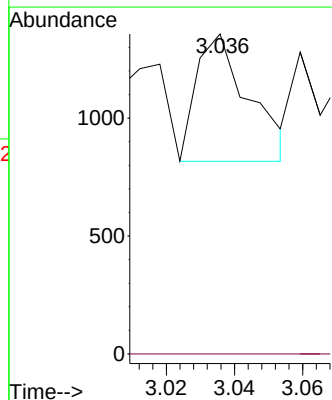
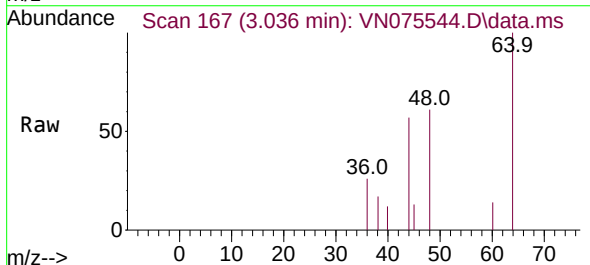
Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-1S

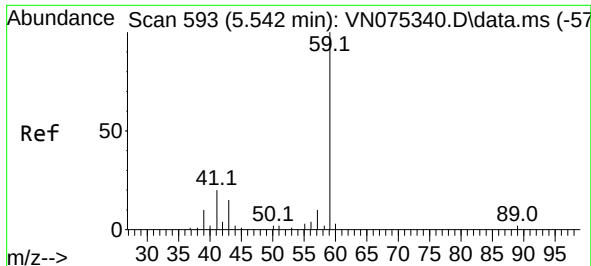
Tgt Ion: 62 Resp: 2472699
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.0 36.0



#6
 Chloroethane
 Concen: 0.431 ug/l
 RT: 3.036 min Scan# 167
 Delta R.T. -0.071 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

Tgt Ion: 64 Resp: 577
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.8 35.8#

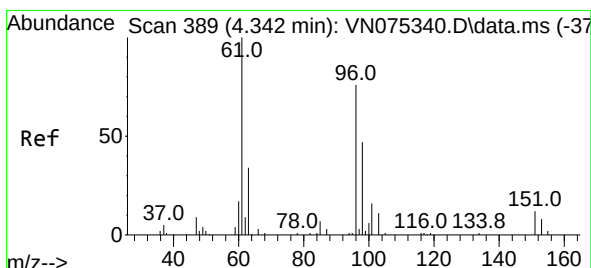
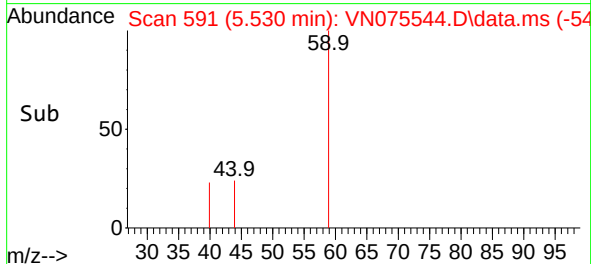
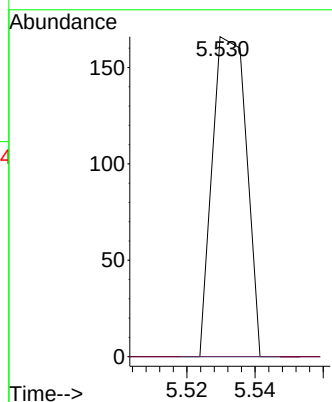
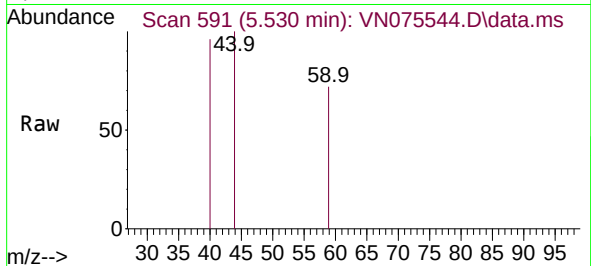




#11
Tert butyl alcohol
Concen: 0.346 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

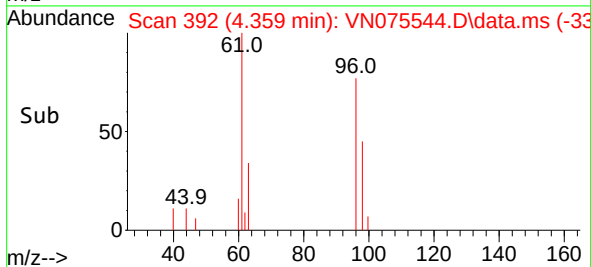
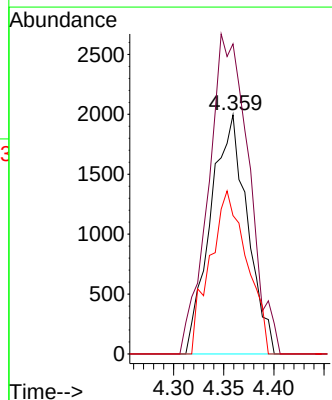
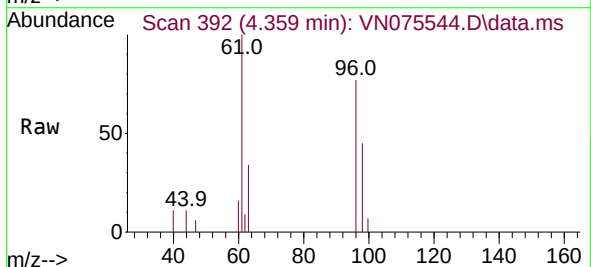
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

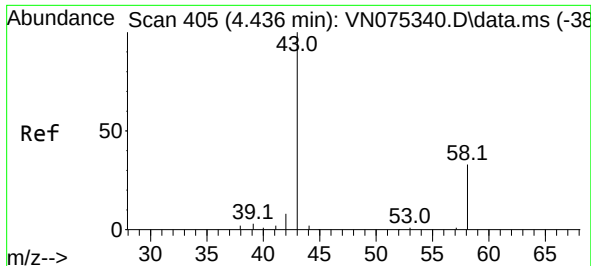
Tgt Ion: 59 Resp: 115
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 3.742 ug/l
RT: 4.359 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 96 Resp: 5107
Ion Ratio Lower Upper
96 100
61 129.7 126.2 189.4
98 57.9 51.5 77.3





#16

Acetone

Concen: 1.126 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.023 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

Instrument :

MSVOA_N

ClientSampleId :

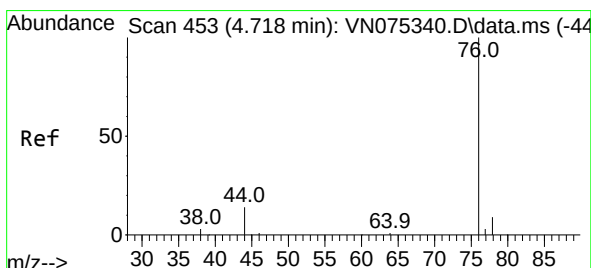
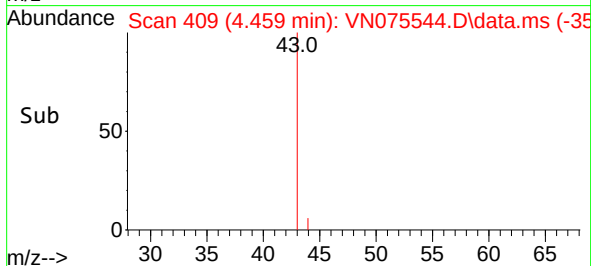
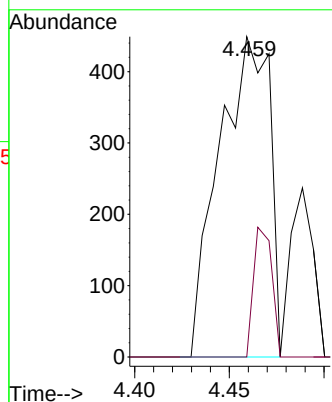
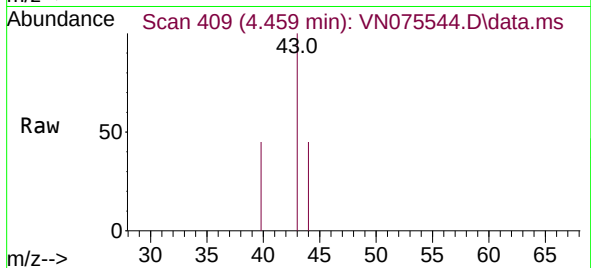
22-MW-1S

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.366 ug/l

RT: 4.724 min Scan# 454

Delta R.T. 0.006 min

Lab File: VN075544.D

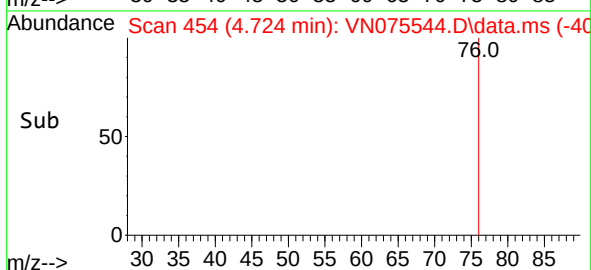
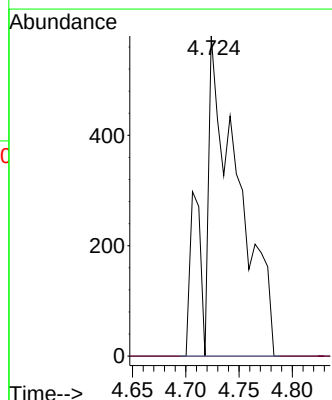
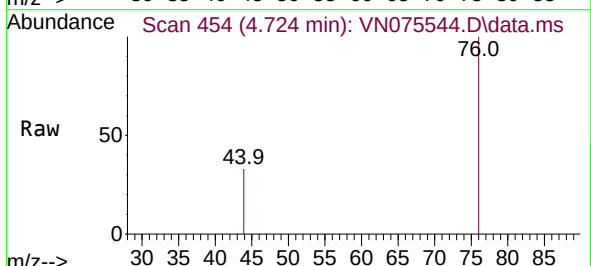
Acq: 02 Dec 2022 20:05

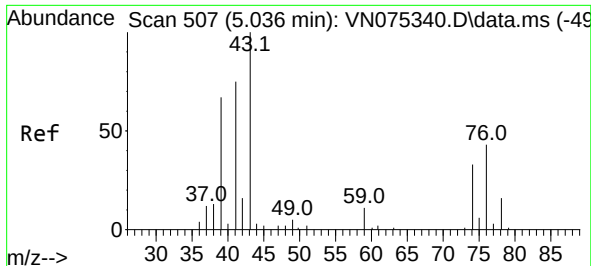
Tgt Ion: 76 Resp: 1298

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

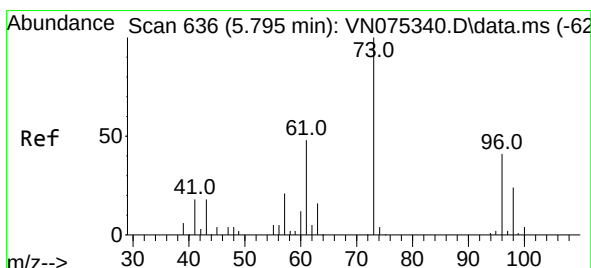
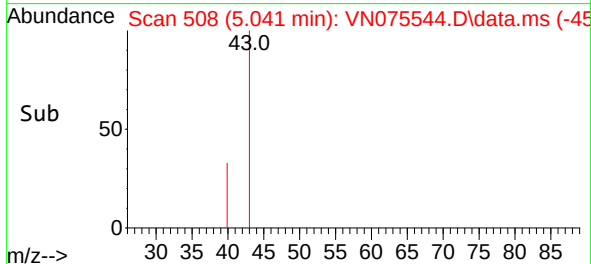
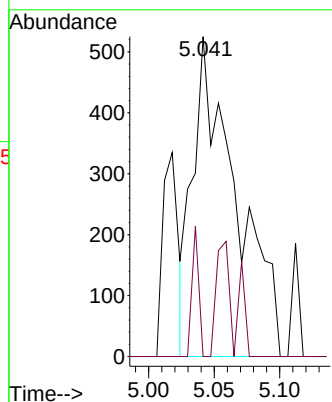
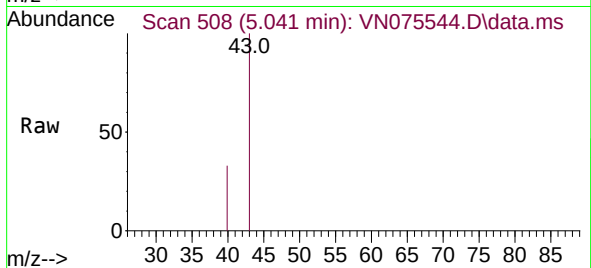




#18
Methyl Acetate
Concen: Below Cal
RT: 5.041 min Scan# 507
Delta R.T. 0.005 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

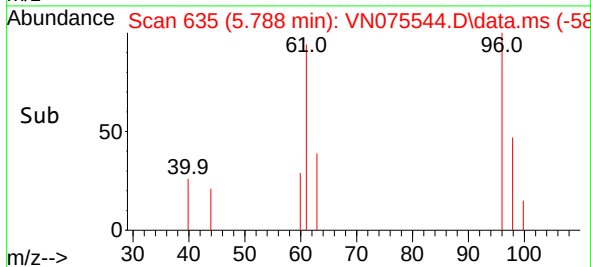
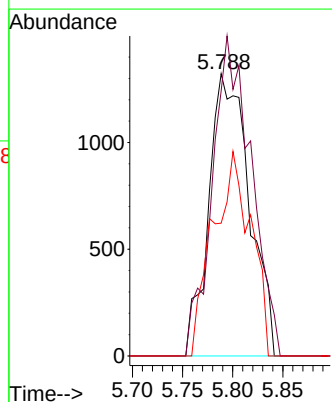
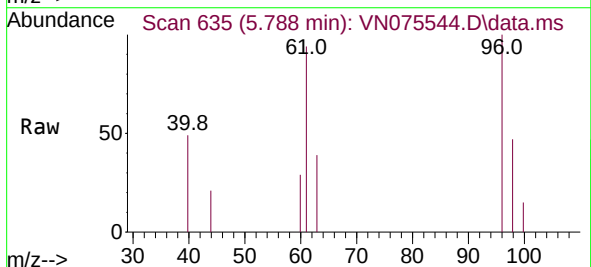
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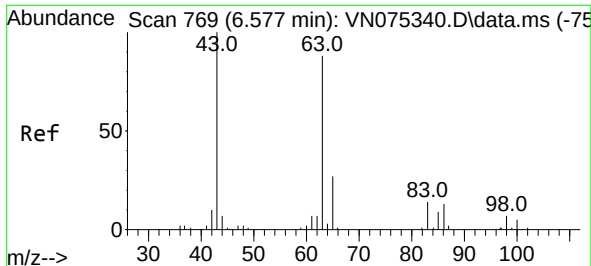
Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 6.3 22.0 33.0#



#21
trans-1,2-Dichloroethene
Concen: 2.397 ug/l
RT: 5.788 min Scan# 635
Delta R.T. -0.007 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 96 Resp: 3728
Ion Ratio Lower Upper
96 100
61 93.9 99.9 149.9#
98 47.0 51.5 77.3#

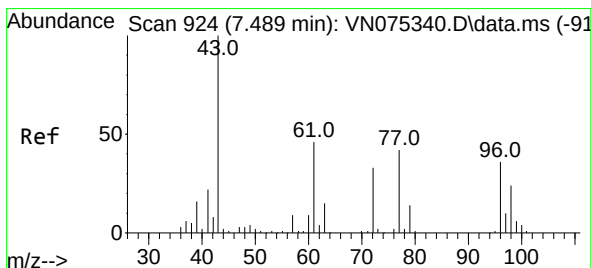
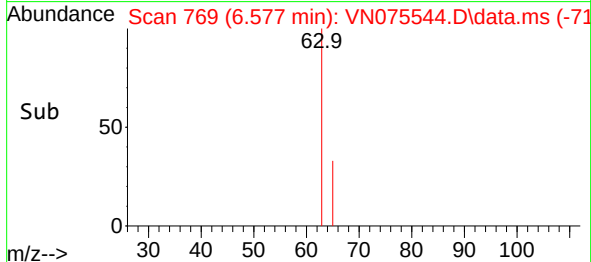
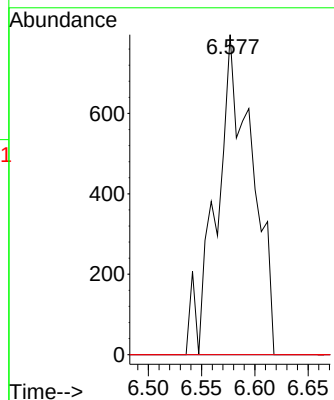
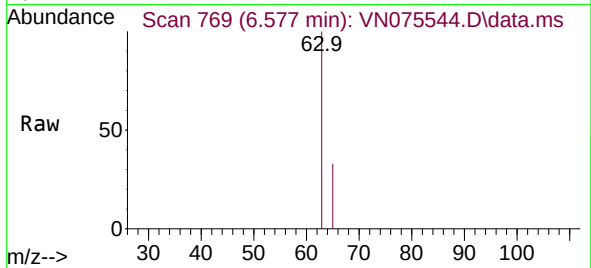




#24
 1,1-Dichloroethane
 Concen: 0.717 ug/l
 RT: 6.577 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

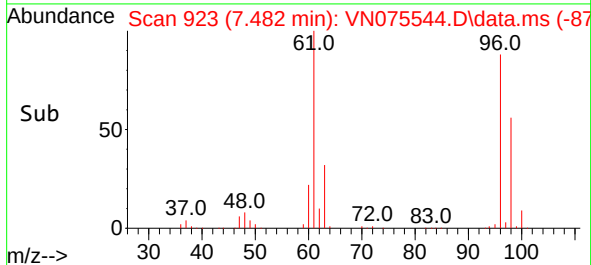
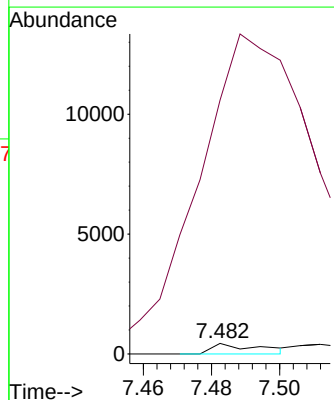
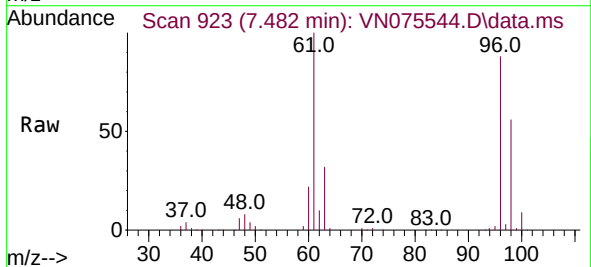
Instrument :
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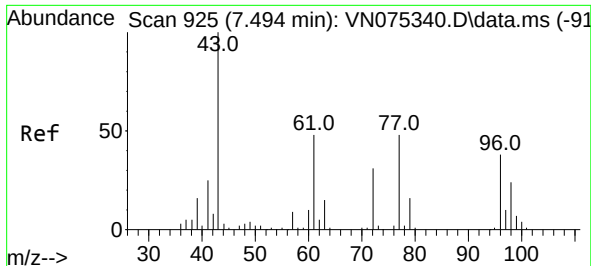
Tgt Ion: 63 Resp: 1854
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.4 7.2#



#25
 2-Butanone
 Concen: 0.414 ug/l
 RT: 7.482 min Scan# 923
 Delta R.T. -0.006 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

Tgt Ion: 43 Resp: 426
 Ion Ratio Lower Upper
 43 100
 72 1266.8 25.5 38.3#



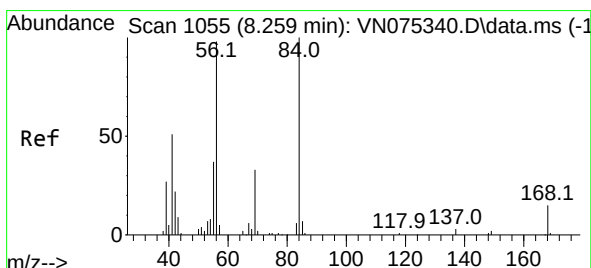
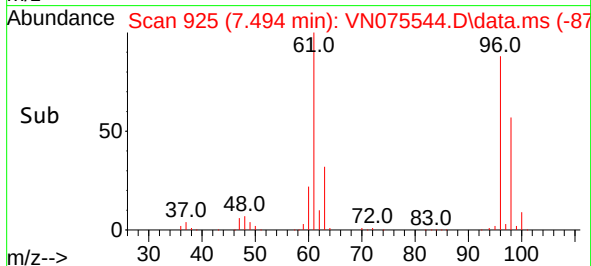
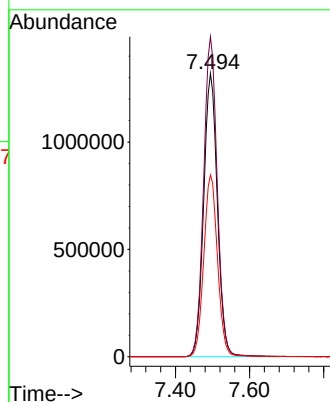
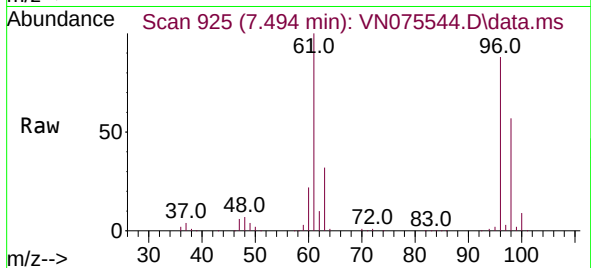


#27
 cis-1,2-Dichloroethene
 Concen: 1928.678 ug/l
 RT: 7.494 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-1S

Tgt Ion: 96 Resp: 3391976

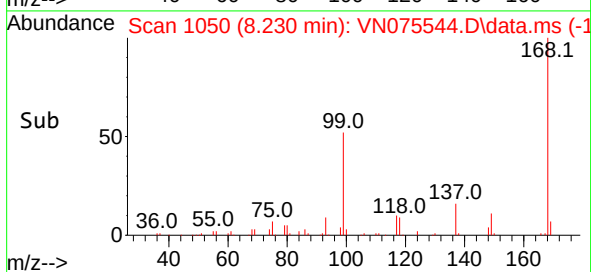
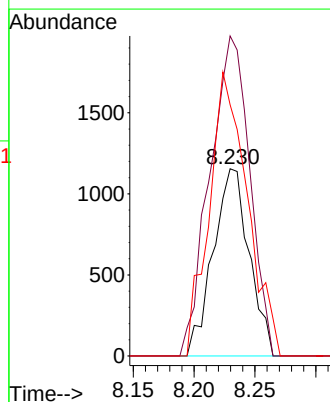
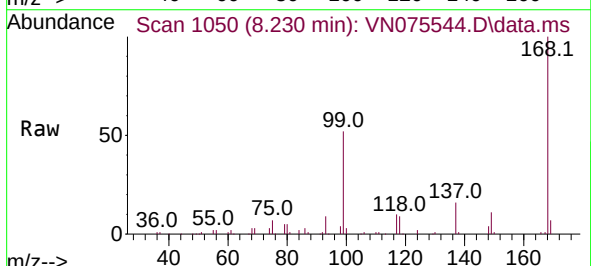
Ion	Ratio	Lower	Upper
96	100		
61	112.4	0.0	278.8
98	64.3	0.0	128.4

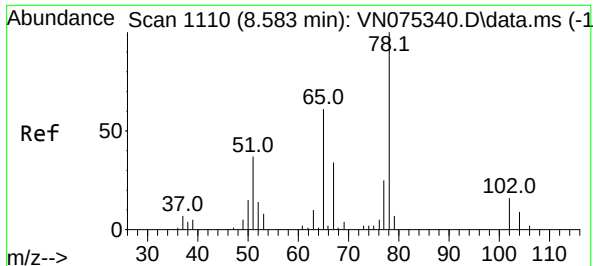


#31
 Cyclohexane
 Concen: 0.945 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.029 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

Tgt Ion: 56 Resp: 2376

Ion	Ratio	Lower	Upper
56	100		
69	170.9	25.2	37.8#
84	134.2	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.708 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.005 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

Instrument :

MSVOA_N

ClientSampleId :

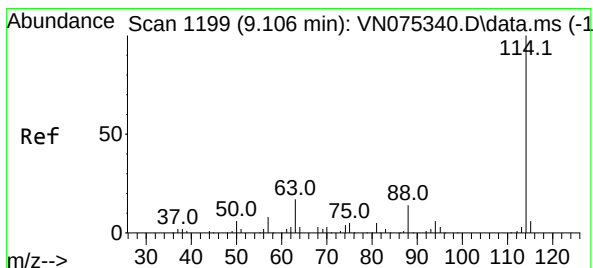
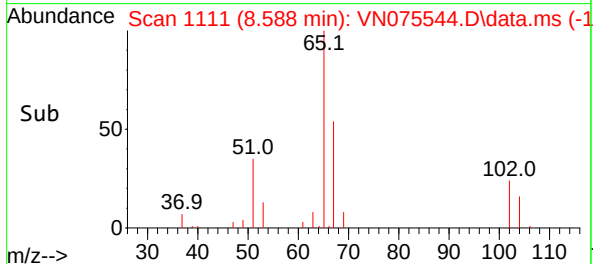
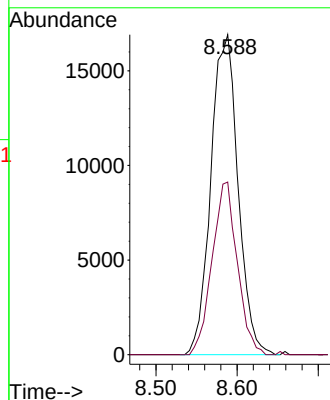
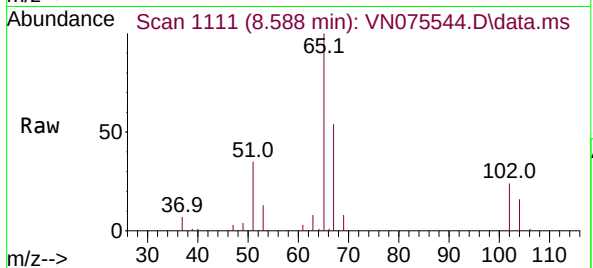
22-MW-1S

Tgt Ion: 65 Resp: 39323

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

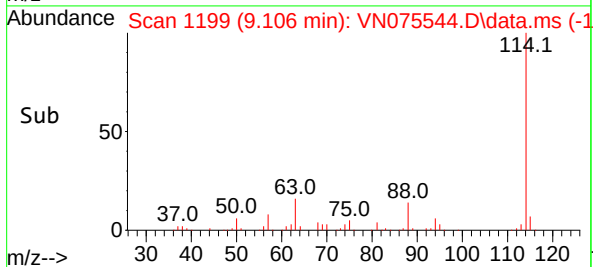
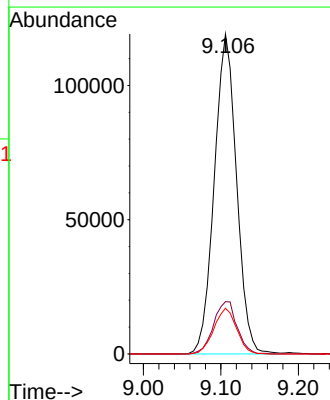
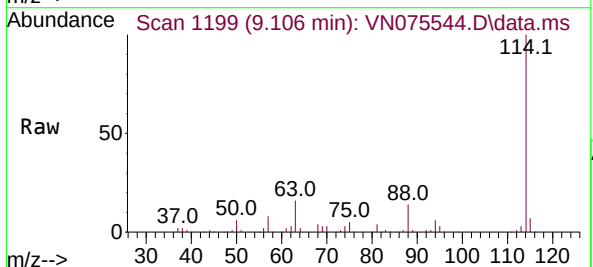
Tgt Ion: 114 Resp: 237643

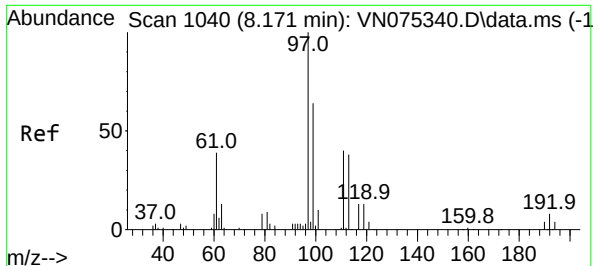
Ion Ratio Lower Upper

114 100

63 16.3 0.0 39.6

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.435 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

Instrument :

MSVOA_N

ClientSampleId :

22-MW-1S

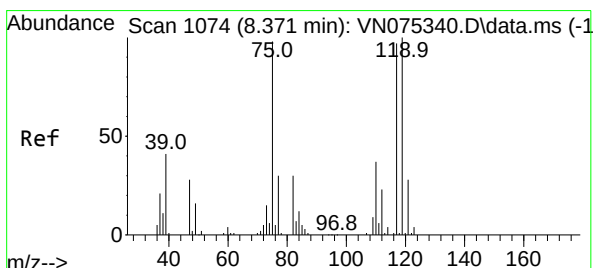
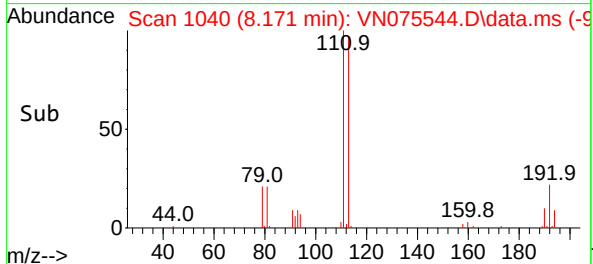
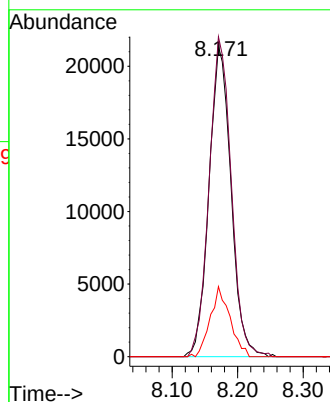
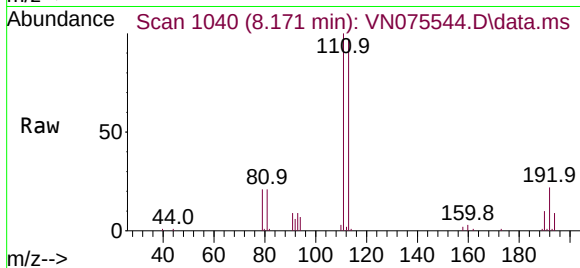
Tgt Ion:113 Resp: 49884

Ion Ratio Lower Upper

113 100

111 103.3 80.5 120.7

192 20.3 13.2 19.8#



#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

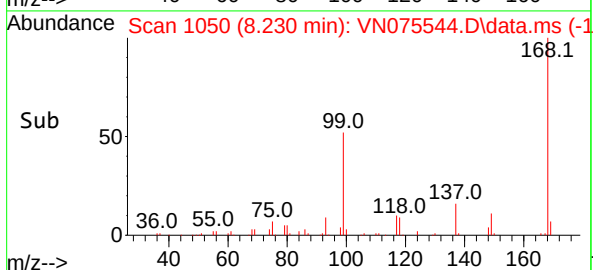
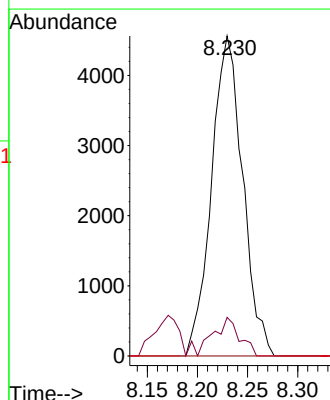
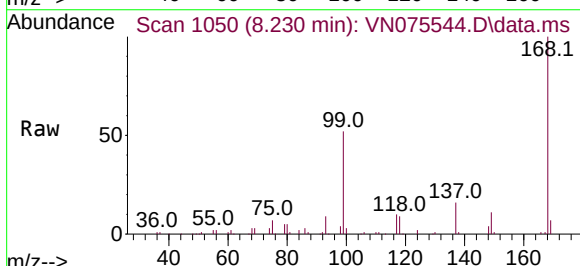
Tgt Ion: 75 Resp: 9887

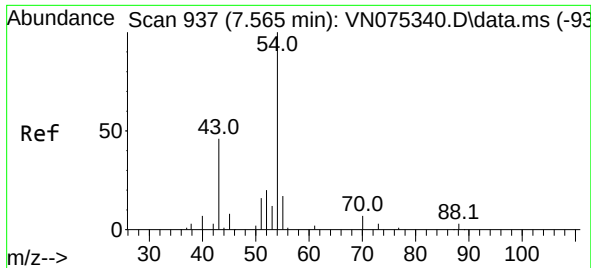
Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.3#

77 0.0 24.6 37.0#

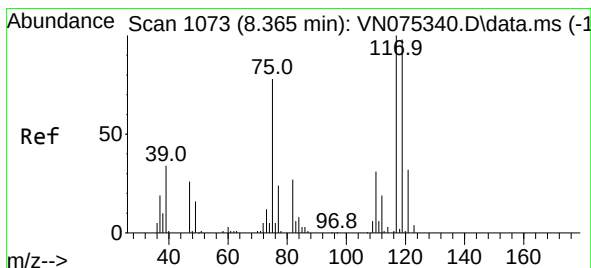
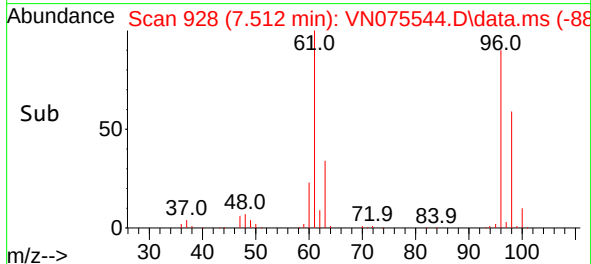
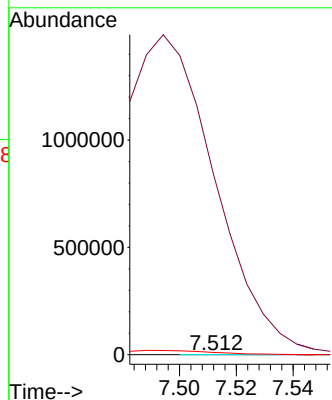
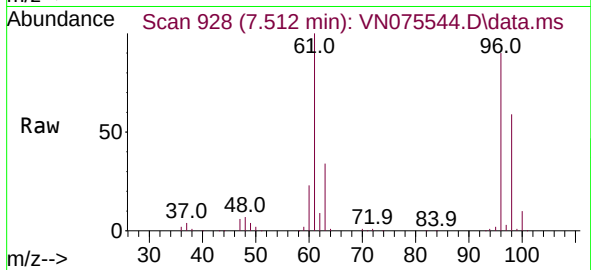




#37
Ethyl Acetate
Concen: 0.239 ug/l
RT: 7.512 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

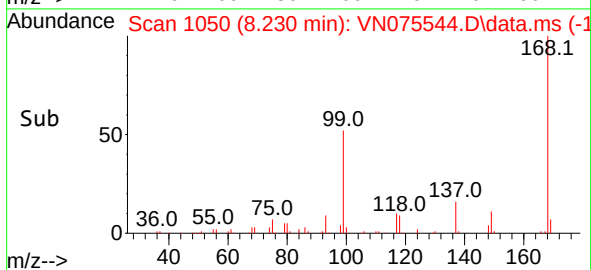
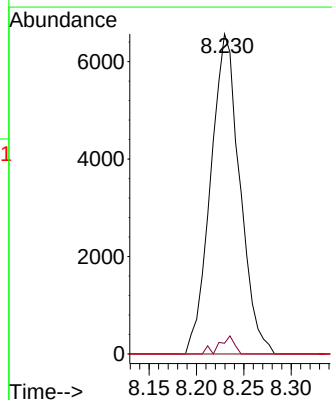
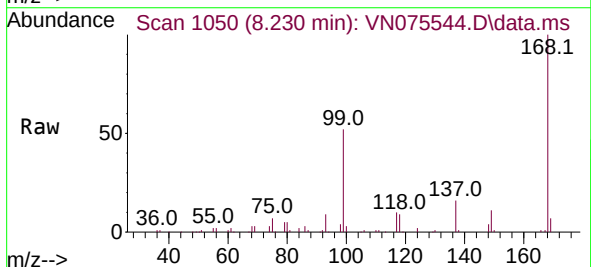
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

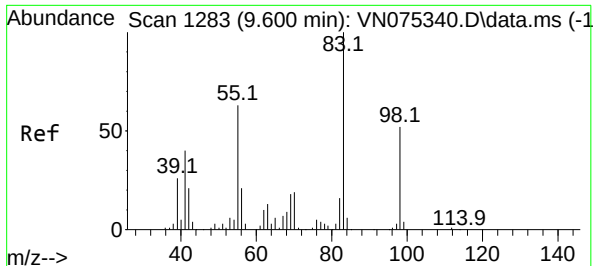
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 117 Resp: 14136
Ion Ratio Lower Upper
117 100
119 3.3 76.7 115.1#
121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 0.570 ug/l

RT: 9.347 min Scan# 1141

Delta R.T. -0.253 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

Instrument :

MSVOA_N

ClientSampleId :

22-MW-1S

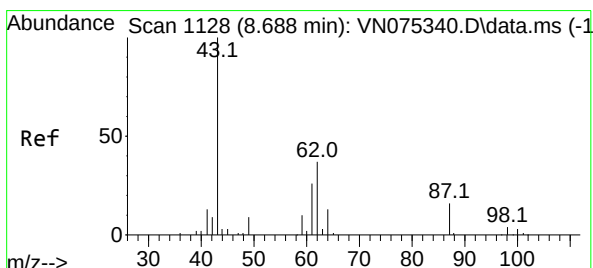
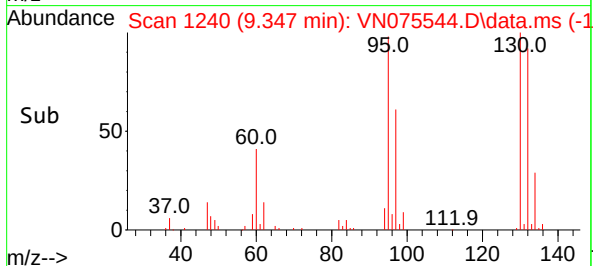
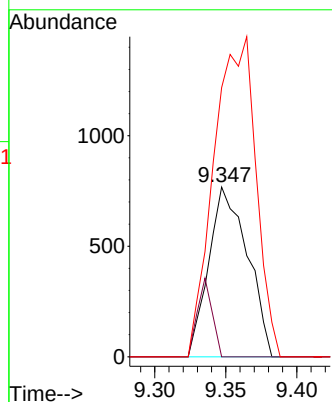
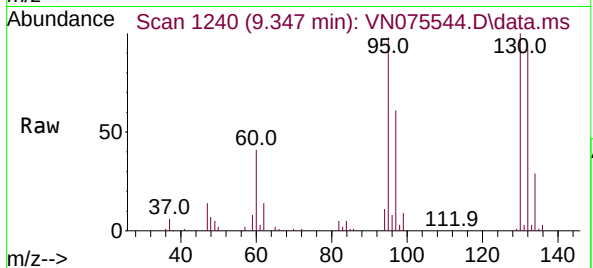
Tgt Ion: 83 Resp: 1453

Ion Ratio Lower Upper

83 100

55 0.0 53.6 80.4#

98 158.6 41.1 61.7#



#43

Isopropyl Acetate

Concen: 0.420 ug/l

RT: 8.765 min Scan# 1141

Delta R.T. 0.077 min

Lab File: VN075544.D

Acq: 02 Dec 2022 20:05

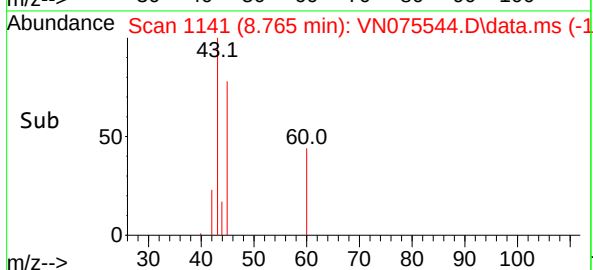
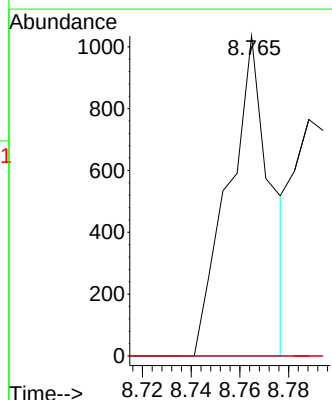
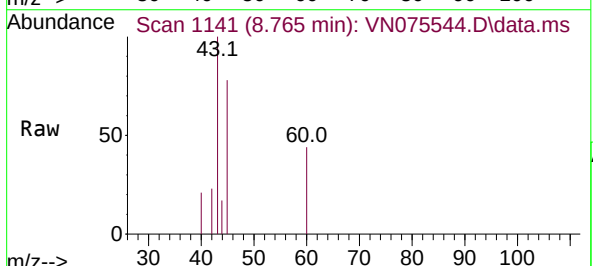
Tgt Ion: 43 Resp: 1236

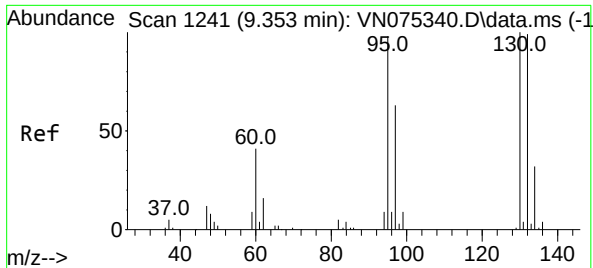
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#

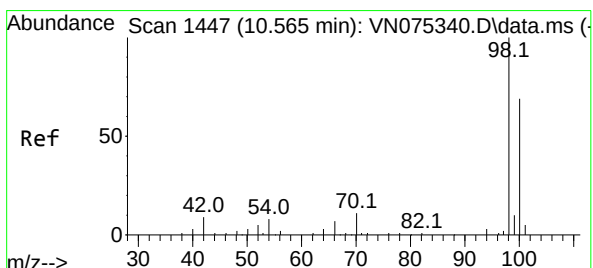
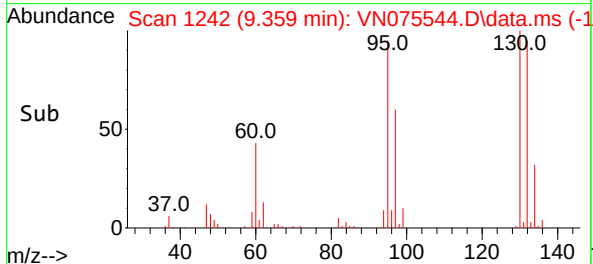
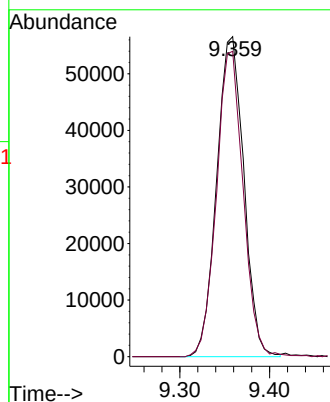
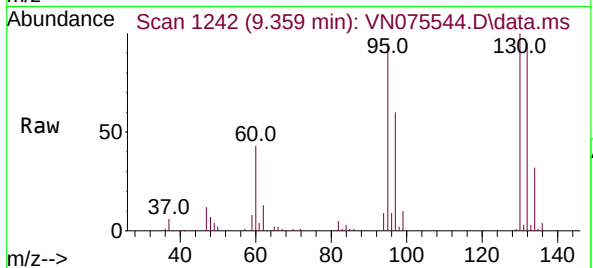




#44
Trichloroethene
Concen: 69.612 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

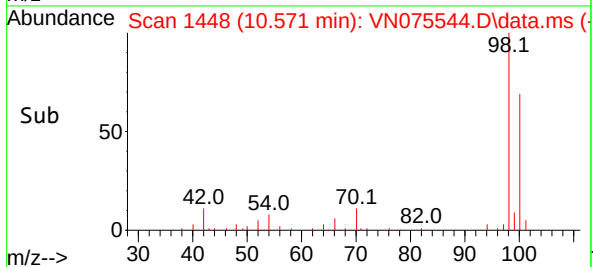
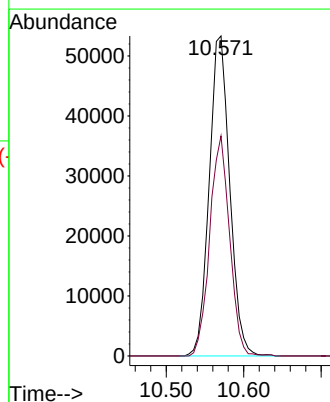
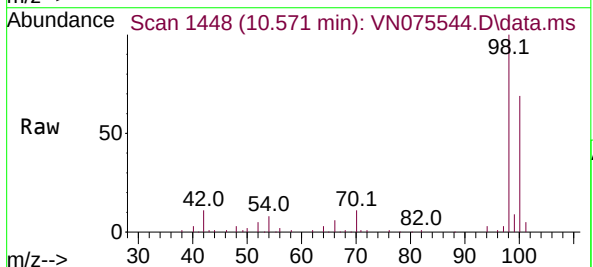
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

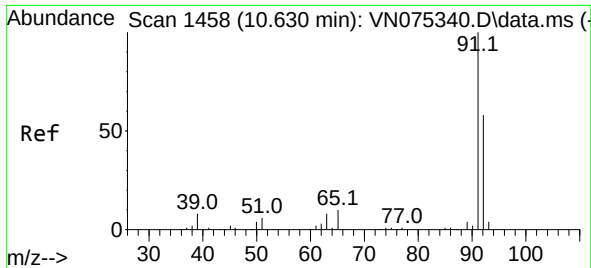
Tgt Ion:130 Resp: 118725
Ion Ratio Lower Upper
130 100
95 95.5 0.0 198.4



#50
Toluene-d8
Concen: 46.695 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 98 Resp: 98180
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6

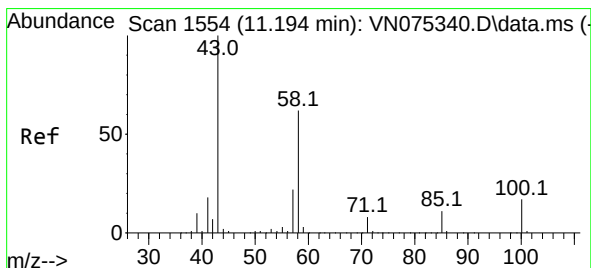
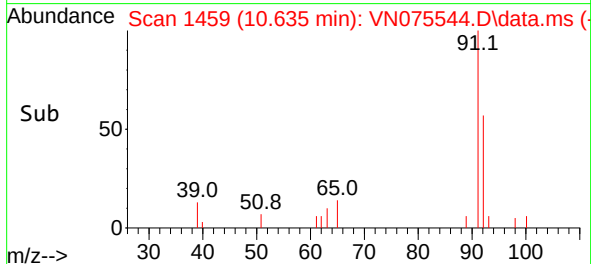
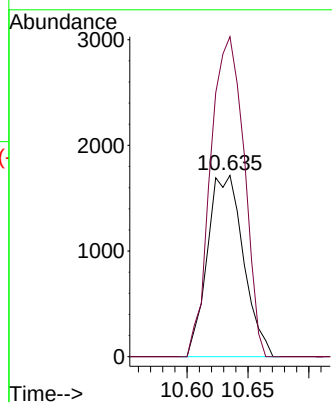
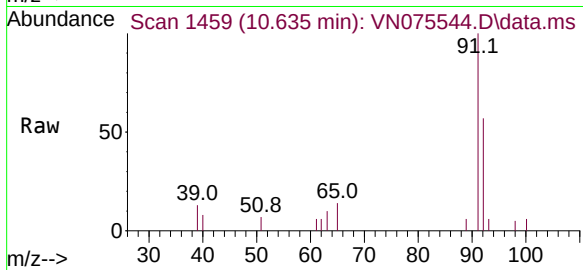




#52
Toluene
Concen: 0.880 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

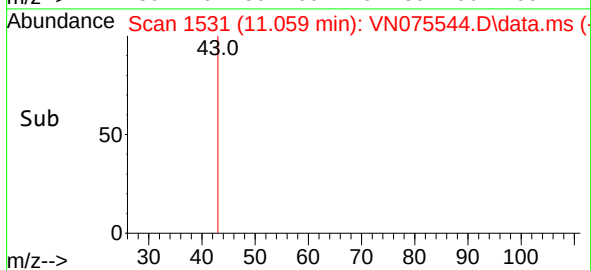
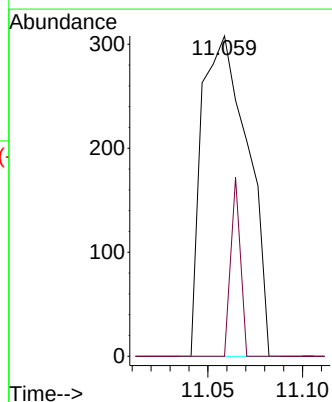
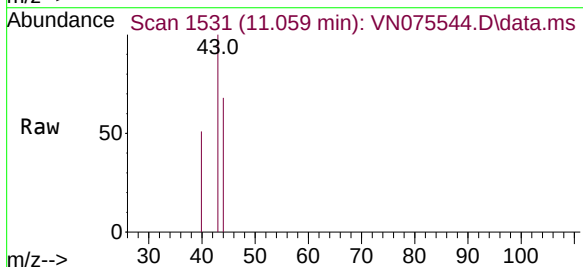
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

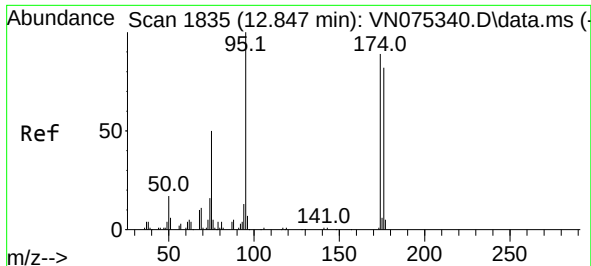
Tgt Ion: 92 Resp: 3533
Ion Ratio Lower Upper
92 100
91 164.2 135.4 203.2



#59
2-Hexanone
Concen: 0.368 ug/l
RT: 11.059 min Scan# 1531
Delta R.T. -0.135 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 11.8 29.6 88.8#

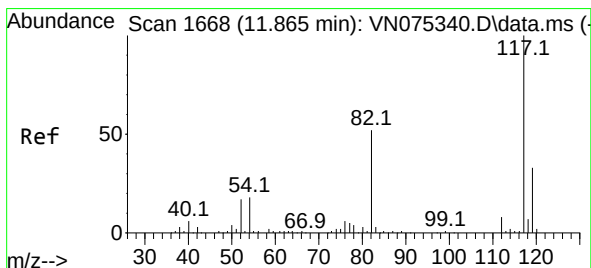
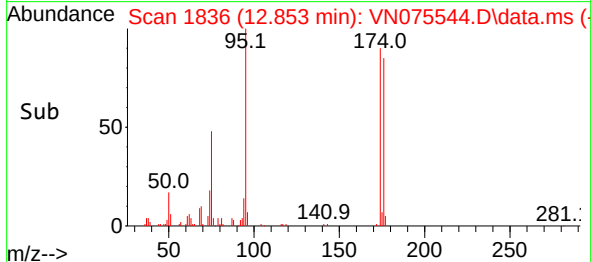
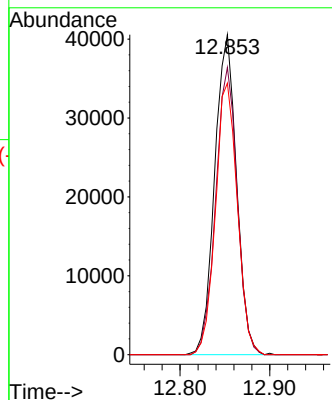
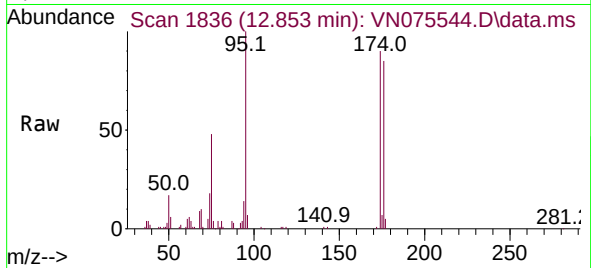




#62
4-Bromofluorobenzene
Concen: 44.180 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

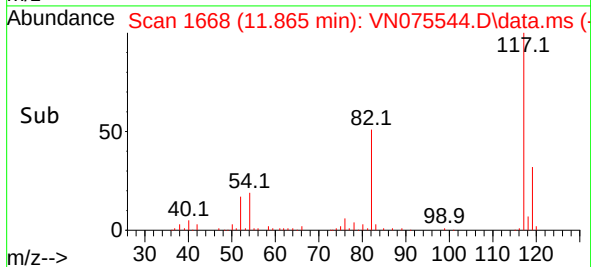
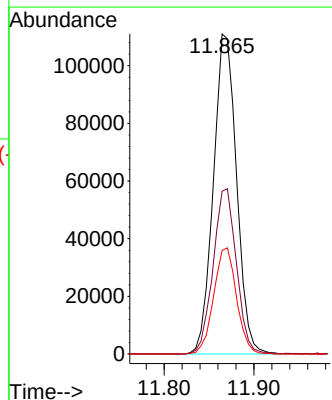
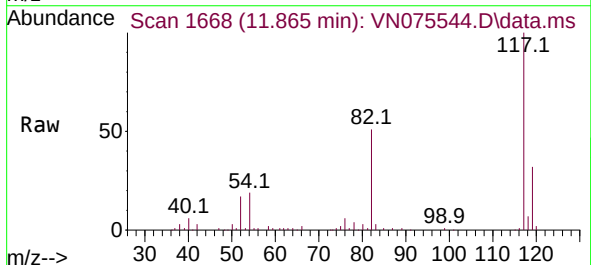
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

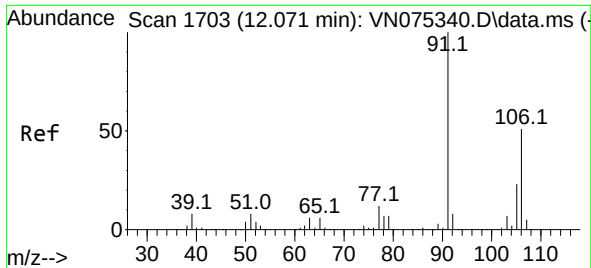
Tgt Ion: 95 Resp: 68565
Ion Ratio Lower Upper
95 100
174 88.4 0.0 147.4
176 84.8 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 117 Resp: 199138
Ion Ratio Lower Upper
117 100
82 50.8 43.1 64.7
119 32.3 25.5 38.3

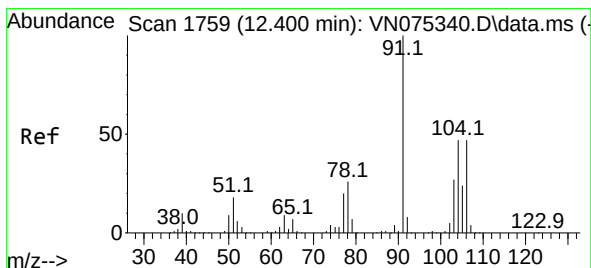
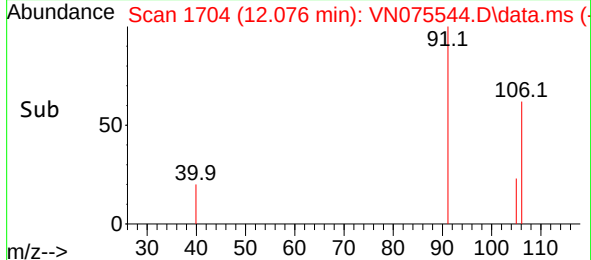
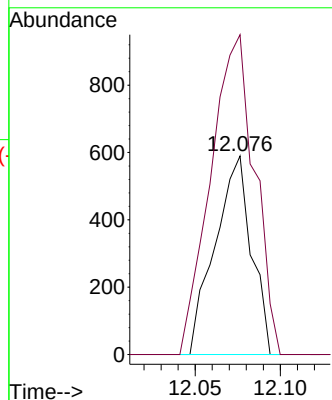
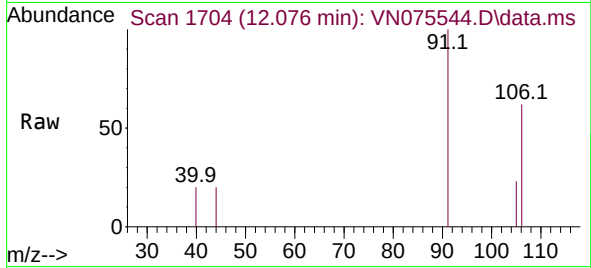




#68
m/p-Xylenes
Concen: 0.307 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.005 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

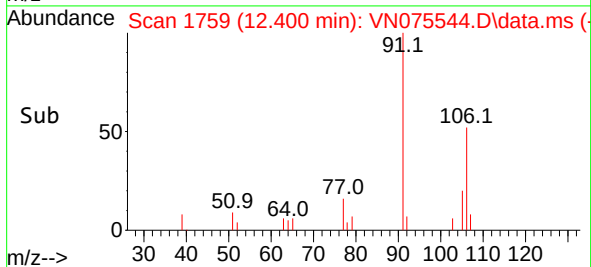
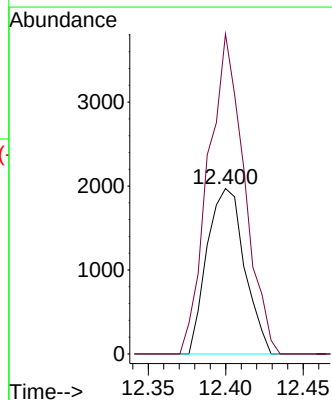
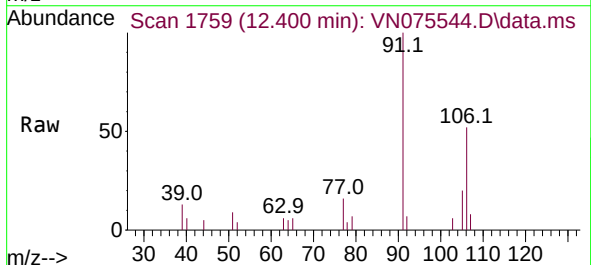
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

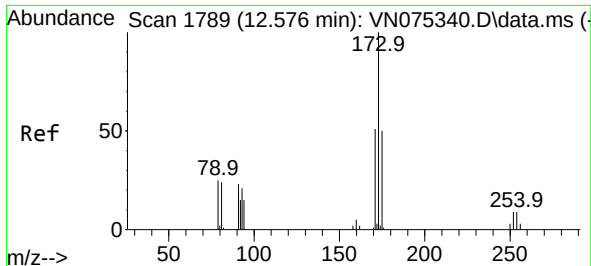
Tgt Ion:106 Resp: 875
Ion Ratio Lower Upper
106 100
91 194.9 156.0 234.0



#69
o-Xylene
Concen: 1.170 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion:106 Resp: 3312
Ion Ratio Lower Upper
106 100
91 186.3 105.2 315.5

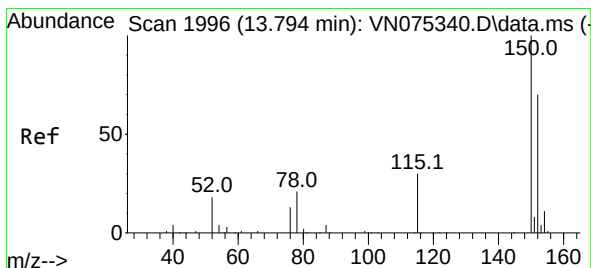
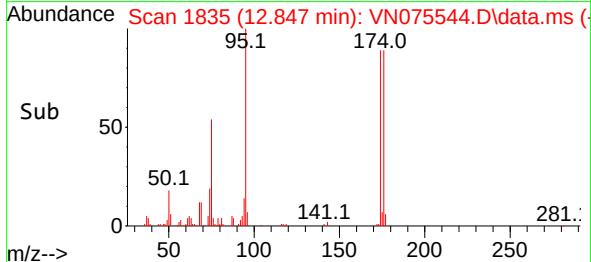
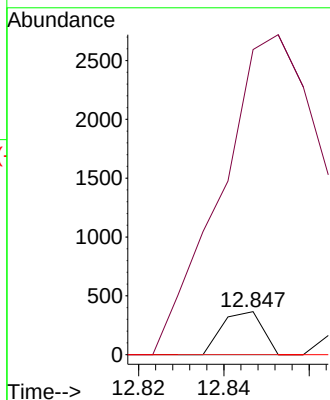
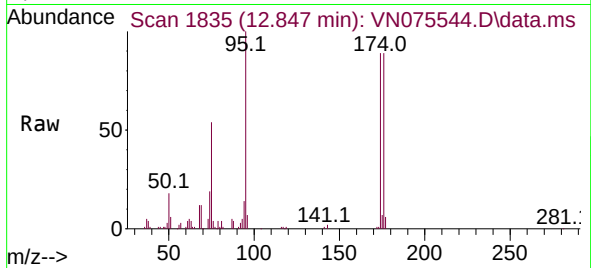




#71
Bromoform
Concen: 0.207 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

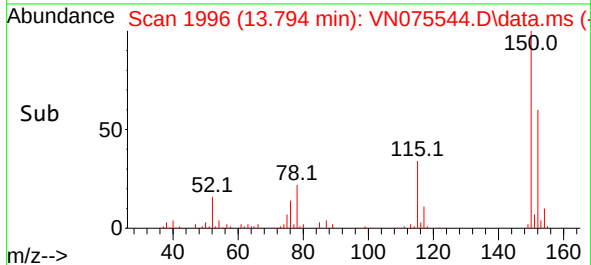
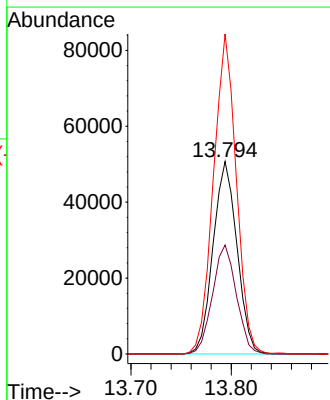
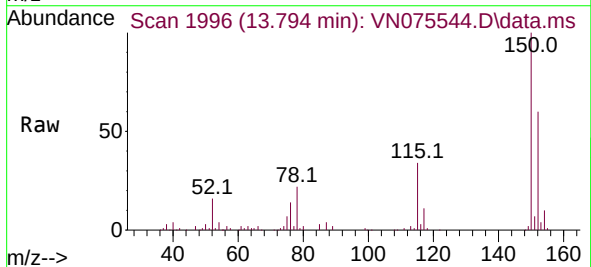
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

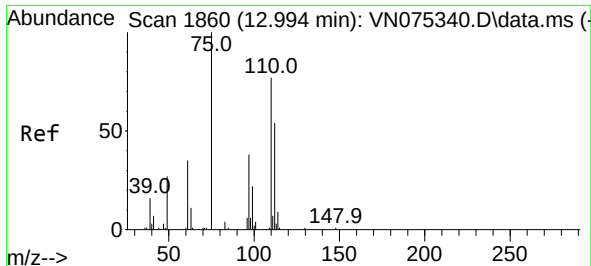
Tgt Ion:173 Resp: 242
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion:152 Resp: 83722
Ion Ratio Lower Upper
152 100
115 56.5 30.2 90.6
150 159.2 0.0 348.4

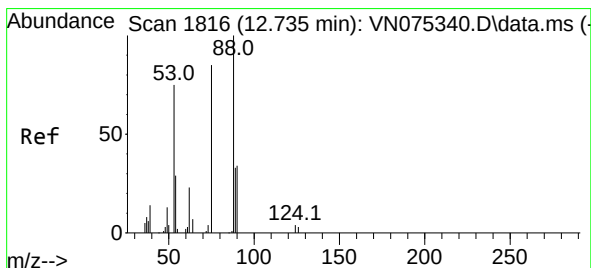
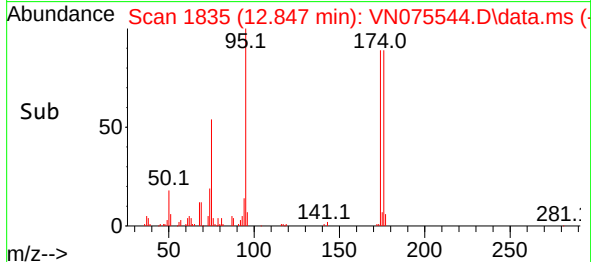
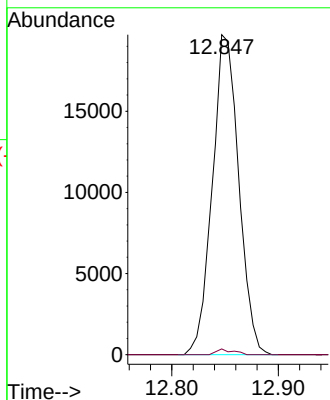
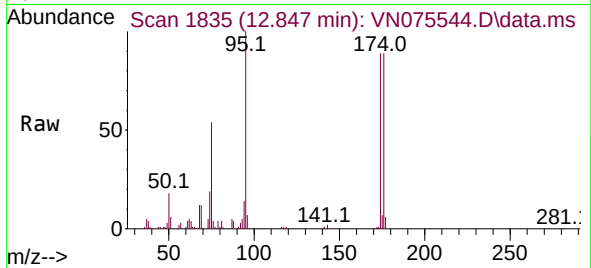




#76
1,2,3-Trichloropropane
Concen: 21.481 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

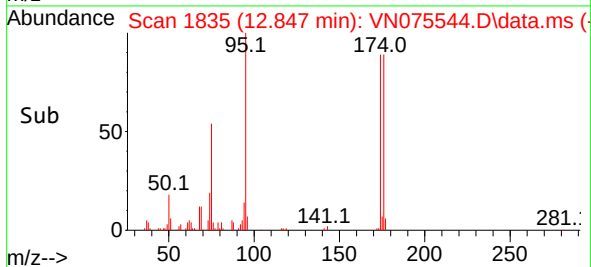
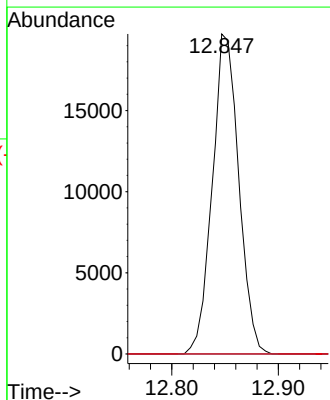
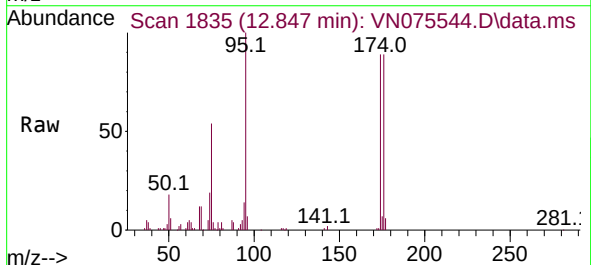
Instrument :
MSVOA_N
ClientSampleId :
22-MW-1S

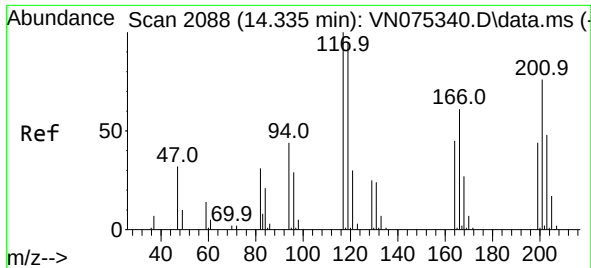
Tgt Ion: 75 Resp: 34003
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.556 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075544.D
Acq: 02 Dec 2022 20:05

Tgt Ion: 75 Resp: 34003
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#90
 Hexachloroethane
 Concen: 0.769 ug/l
 RT: 14.453 min Scan# 21
 Delta R.T. 0.118 min
 Lab File: VN075544.D
 Acq: 02 Dec 2022 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 22-MW-1S

Tgt Ion:117 Resp: 702
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.5 94.5#

