

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075120.D
 Acq On : 02 Nov 2022 16:27
 Operator : JC\MD
 Sample : N5396-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-G

Quant Time: Nov 03 04:19:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

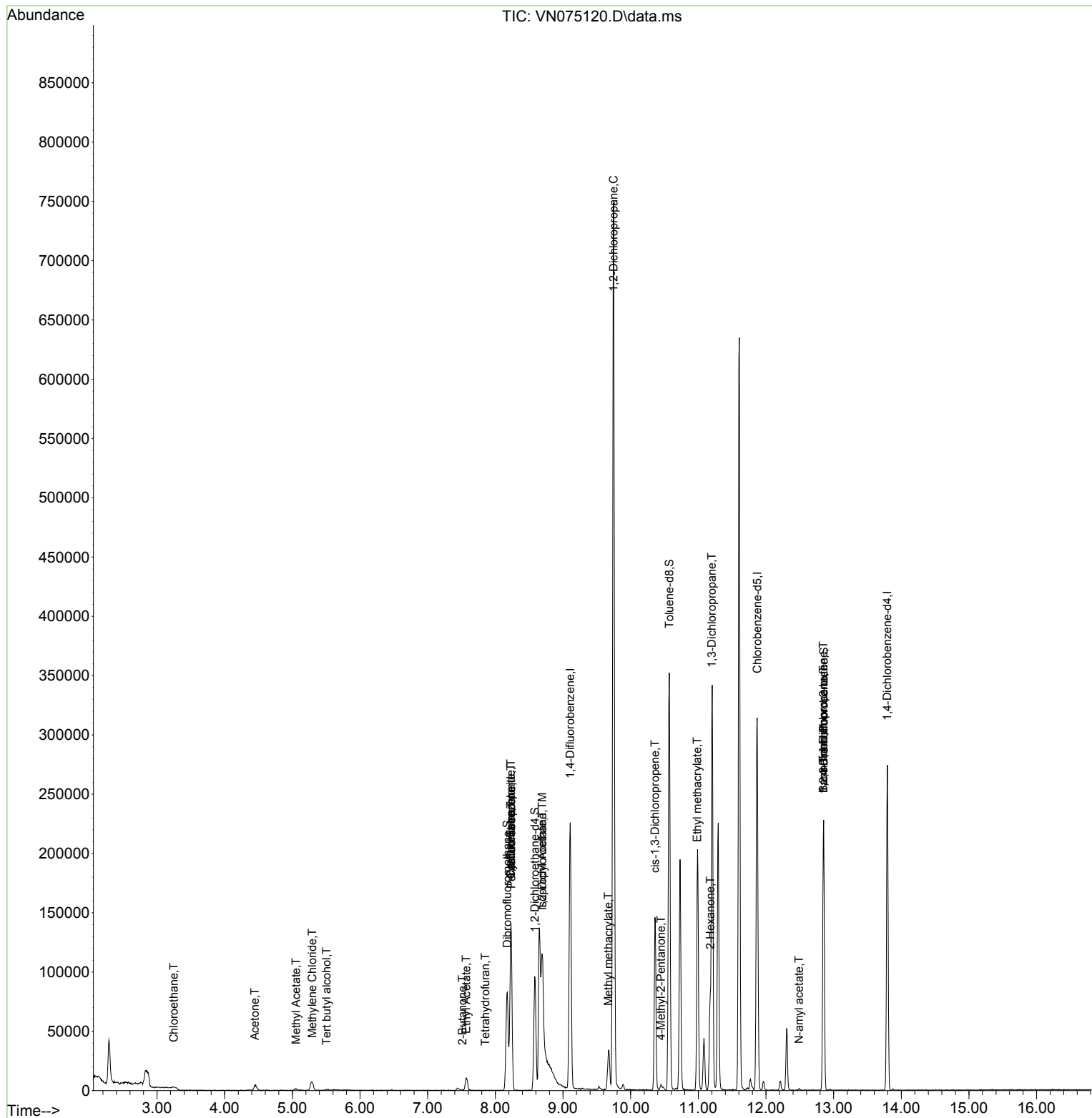
Internal Standards						
1) Pentafluorobenzene	8.235	168	97577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	195340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	179594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77704	59.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.200%			
35) Dibromofluoromethane	8.177	113	58469	50.987	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.980%			
50) Toluene-d8	10.570	98	241226	54.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.440%			
62) 4-Bromofluorobenzene	12.853	95	78296	50.098	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.200%			
Target Compounds						Qvalue
6) Chloroethane	3.247	64	420	0.305	ug/l #	45
11) Tert butyl alcohol	5.506	59	465	1.517	ug/l #	72
16) Acetone	4.447	43	9284	16.677	ug/l	94
18) Methyl Acetate	5.053	43	3205	1.763	ug/l #	85
20) Methylene Chloride	5.294	84	6457	5.202	ug/l	89
25) 2-Butanone	7.512	43	894	1.021	ug/l #	43
29) Tetrahydrofuran	7.853	42	170	0.300	ug/l #	26
31) Cyclohexane	8.229	56	2163	1.106	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	8810	4.962	ug/l #	52
37) Ethyl Acetate	7.571	43	16247	8.345	ug/l	95
38) Carbon Tetrachloride	8.229	117	11032	5.649	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	467	0.236	ug/l #	75
43) Isopropyl Acetate	8.694	43	121673	40.288	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	848	0.656	ug/l #	42
48) Methyl methacrylate	9.671	41	1982	1.431	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	2999	1.539	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	26887	12.305	ug/l #	68
56) Ethyl methacrylate	10.982	69	678	0.308	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3742	1.560	ug/l #	42
59) 2-Hexanone	11.176	43	55739	37.684	ug/l #	21
71) Bromoform	12.847	173	616	0.579	ug/l #	1
74) N-amyl acetate	12.488	43	694	0.330	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	43258	28.736	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43258	73.765	ug/l #	10

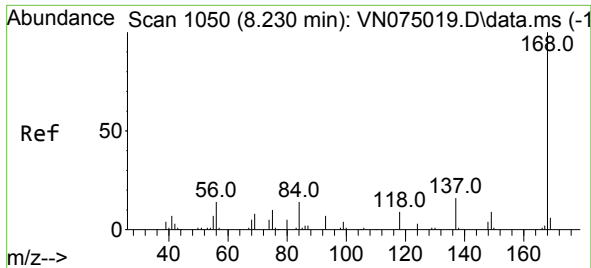
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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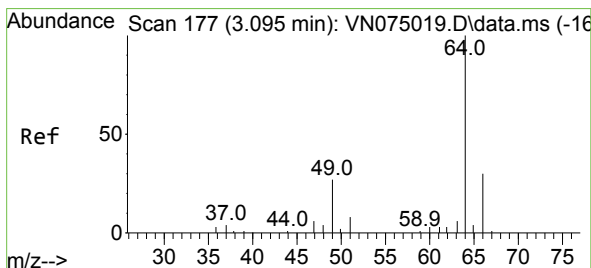
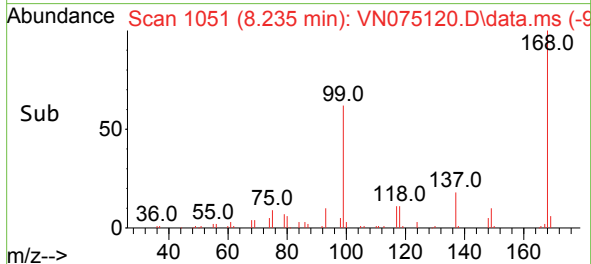
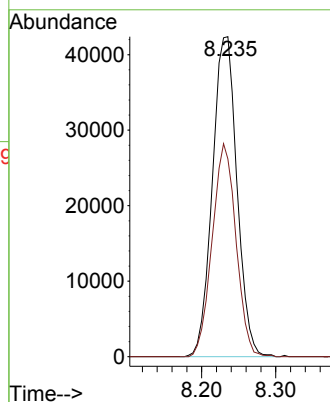
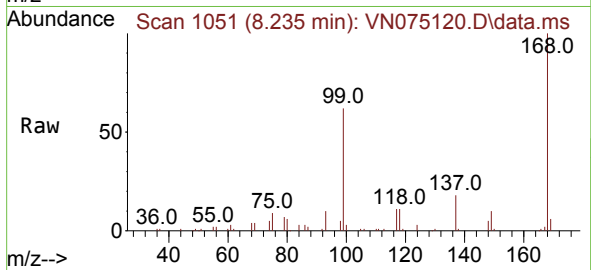




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

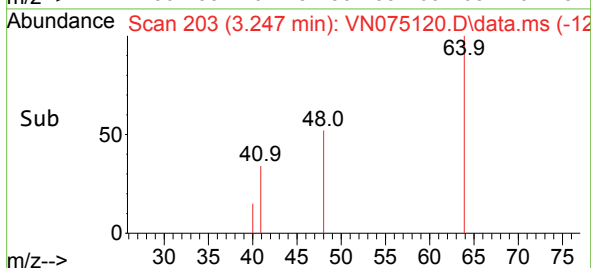
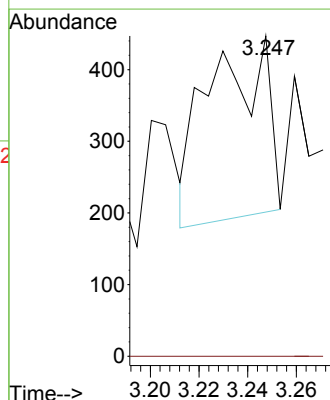
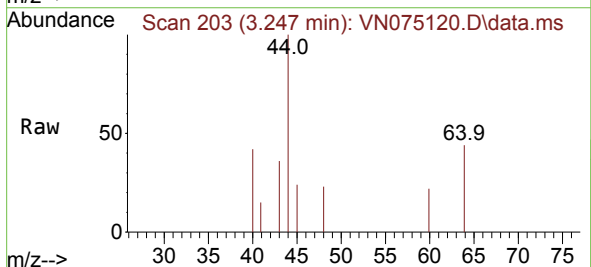
Instrument :
MSVOA_N
ClientSampleId :
TP-G

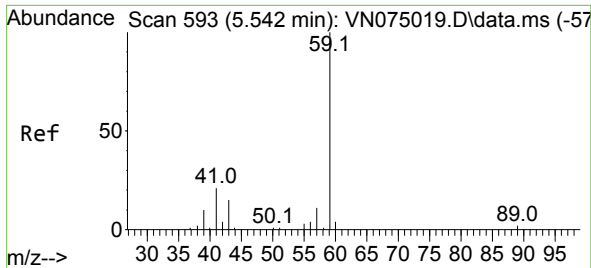
Tgt Ion:168 Resp: 97577
Ion Ratio Lower Upper
168 100
99 61.8 51.6 77.4



#6
Chloroethane
Concen: 0.305 ug/l
RT: 3.247 min Scan# 203
Delta R.T. 0.152 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

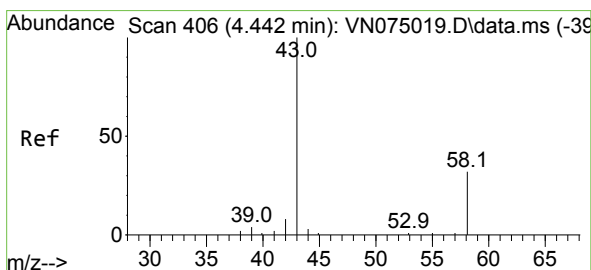
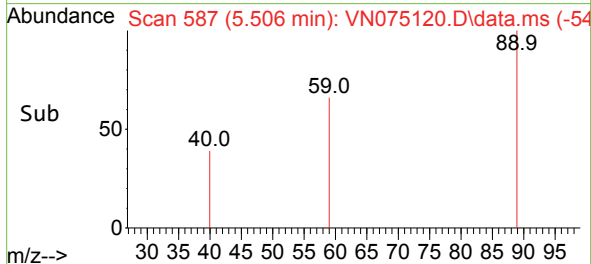
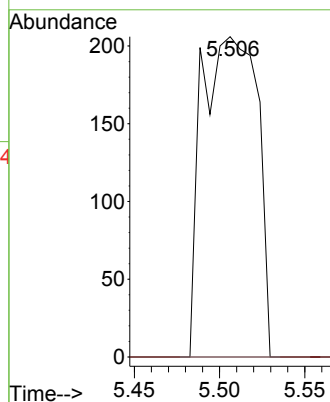
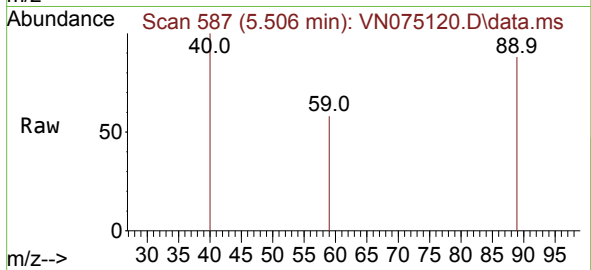




#11
Tert butyl alcohol
Concen: 1.517 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

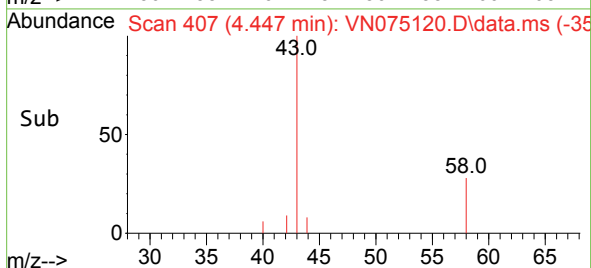
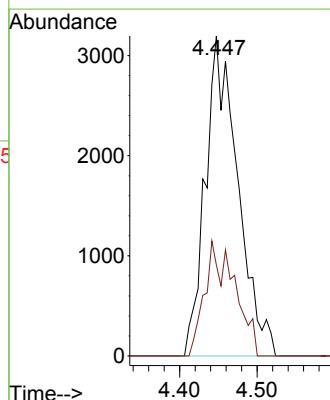
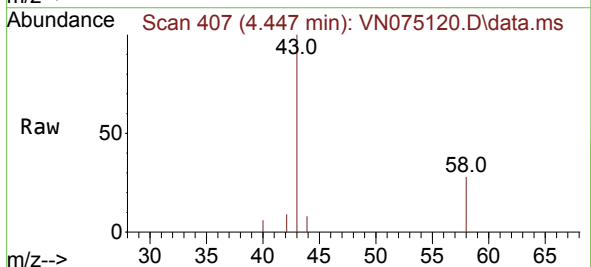
Instrument :
MSVOA_N
ClientSampleId :
TP-G

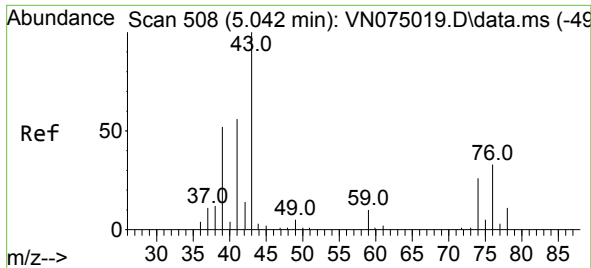
Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 16.677 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 43 Resp: 9284
Ion Ratio Lower Upper
43 100
58 28.5 25.5 38.3

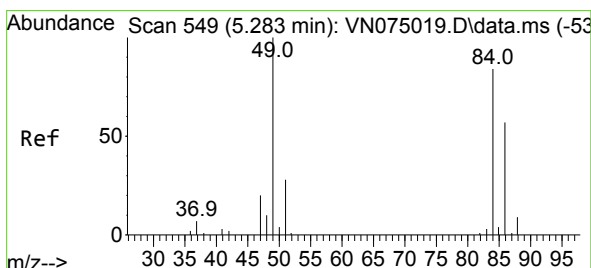
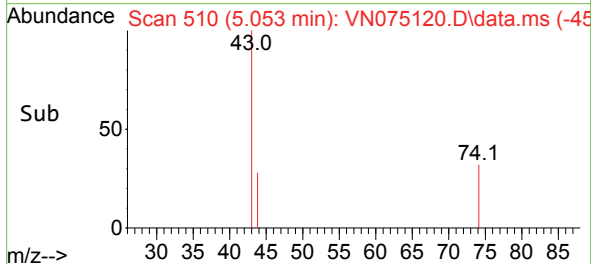
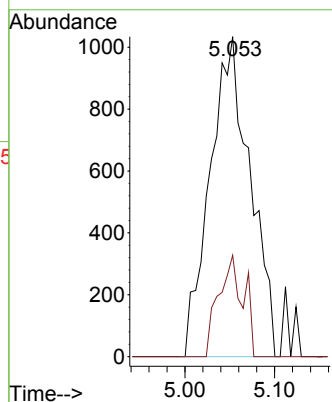
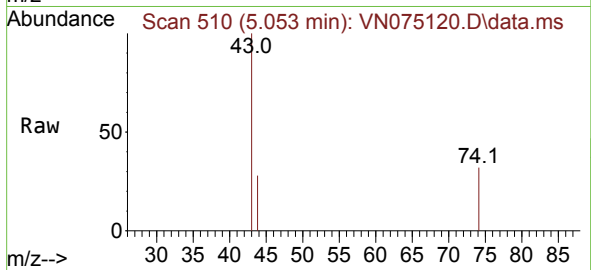




#18
Methyl Acetate
Concen: 1.763 ug/l
RT: 5.053 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

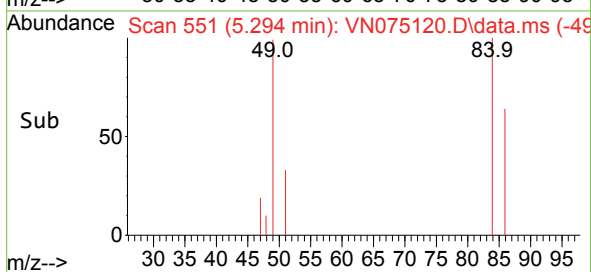
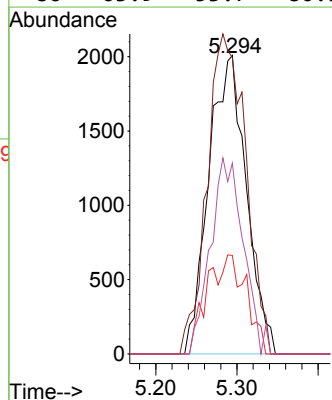
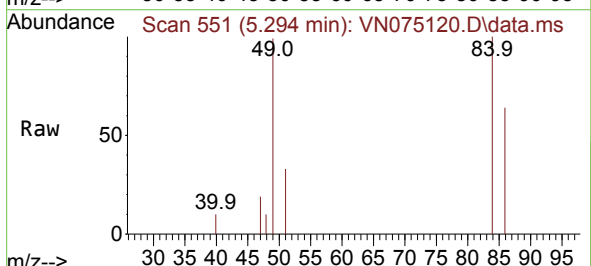
Instrument :
MSVOA_N
ClientSampleId :
TP-G

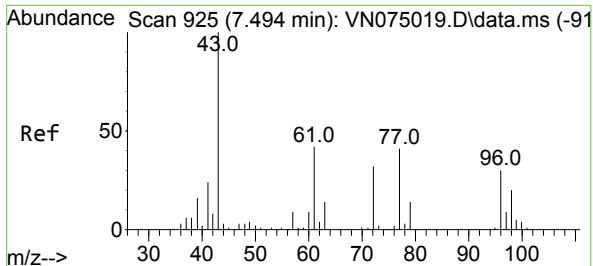
Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
74 19.5 22.0 33.0#



#20
Methylene Chloride
Concen: 5.202 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.011 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 84 Resp: 6457
Ion Ratio Lower Upper
84 100
49 99.3 94.9 142.3
51 33.0 26.8 40.2
86 63.9 53.7 80.5





#25

2-Butanone

Concen: 1.021 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075120.D

Acq: 02 Nov 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

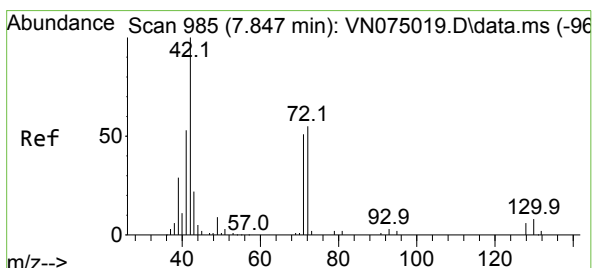
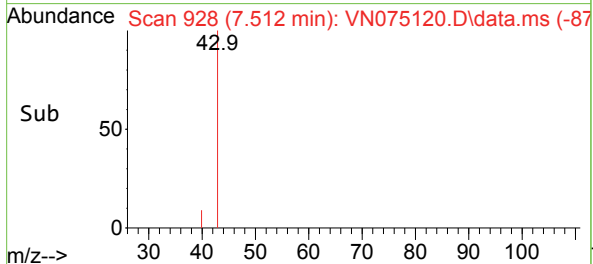
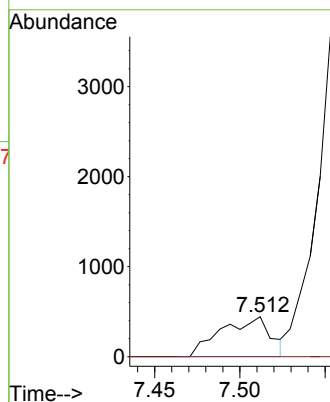
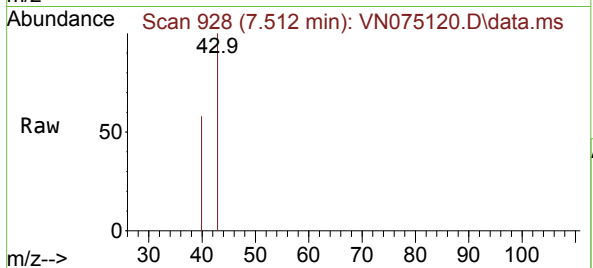
TP-G

Tgt Ion: 43 Resp: 894

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.300 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.006 min

Lab File: VN075120.D

Acq: 02 Nov 2022 16:27

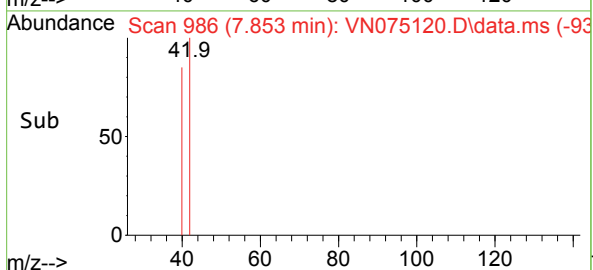
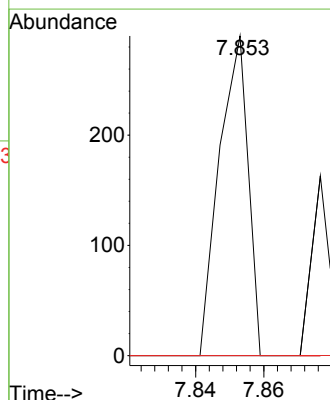
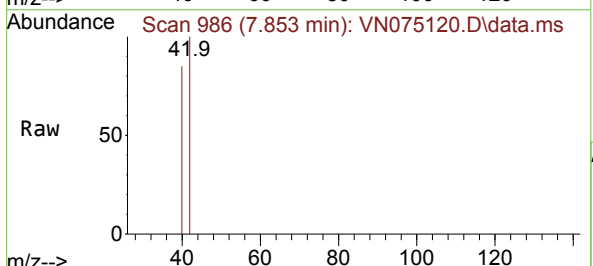
Tgt Ion: 42 Resp: 170

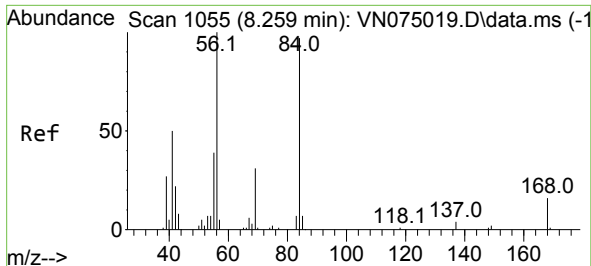
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

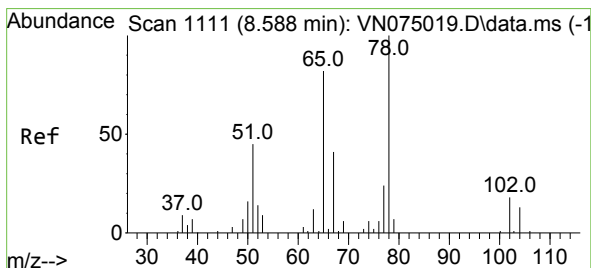
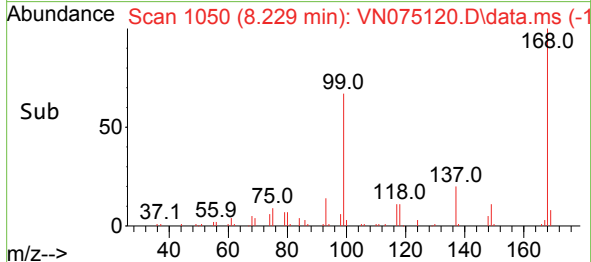
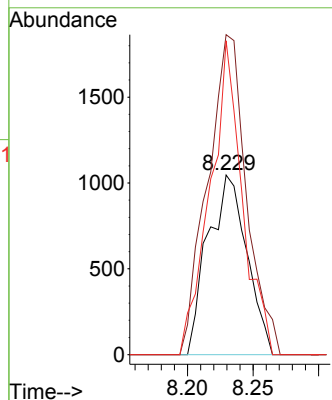
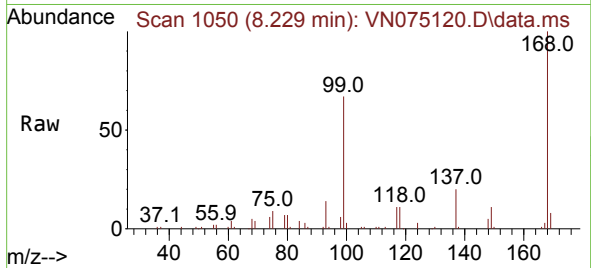




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

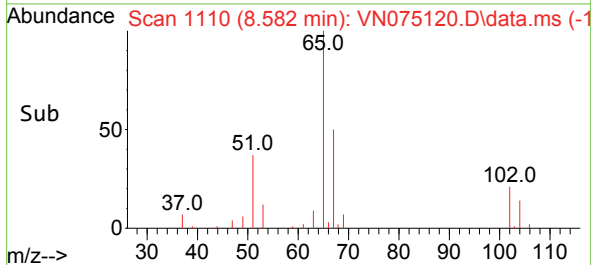
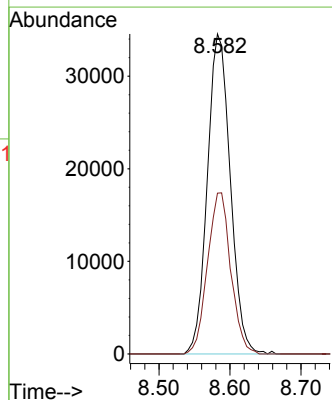
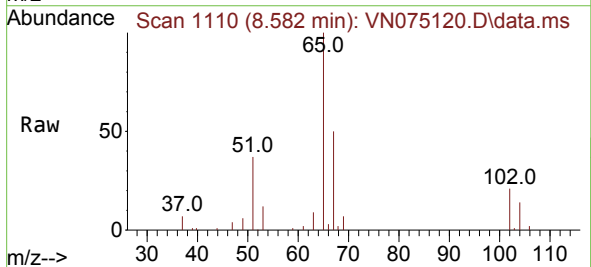
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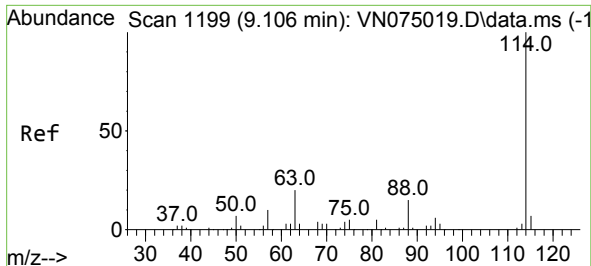
Tgt Ion: 56 Resp: 2163
Ion Ratio Lower Upper
56 100
69 178.0 25.2 37.8#
84 174.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 59.102 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 65 Resp: 77704
Ion Ratio Lower Upper
65 100
67 51.0 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: VN075120.D

Acq: 02 Nov 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

TP-G

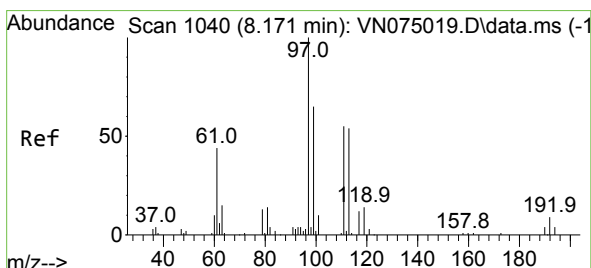
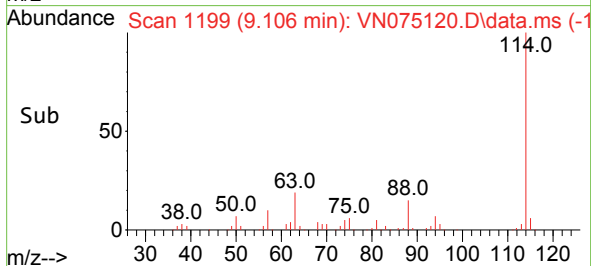
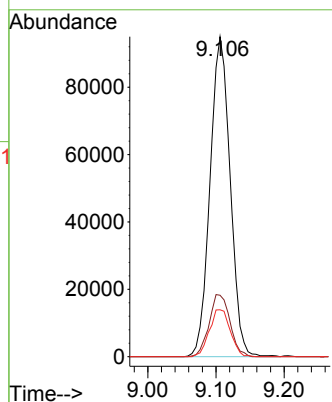
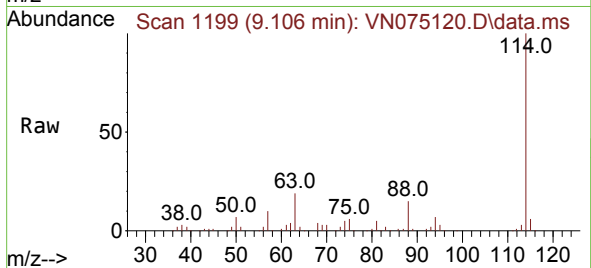
Tgt Ion:114 Resp: 195340

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.987 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075120.D

Acq: 02 Nov 2022 16:27

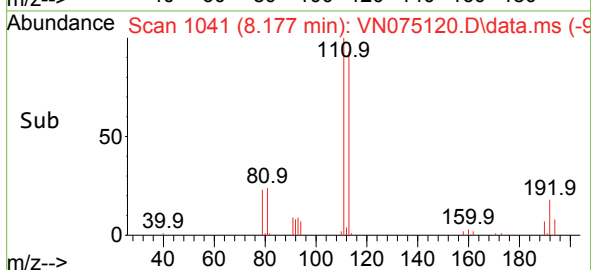
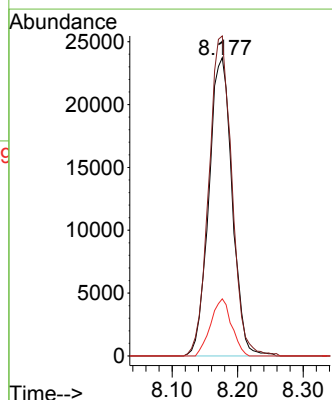
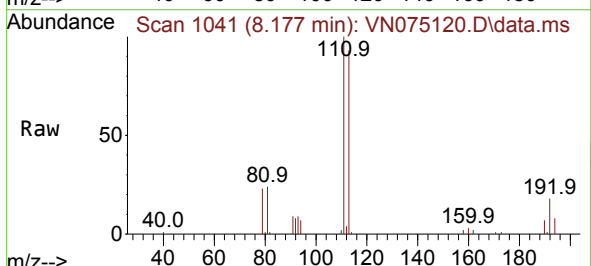
Tgt Ion:113 Resp: 58469

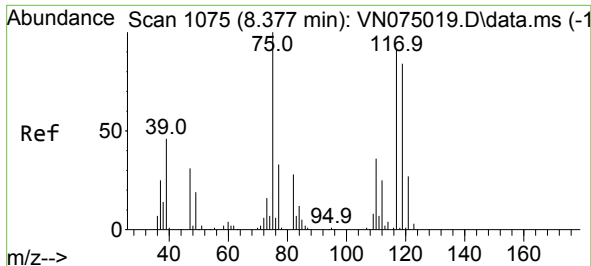
Ion Ratio Lower Upper

113 100

111 106.2 80.5 120.7

192 17.2 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075120.D

Acq: 02 Nov 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

TP-G

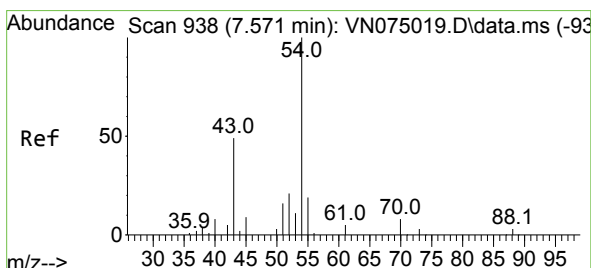
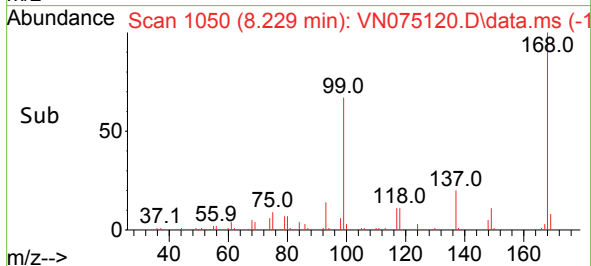
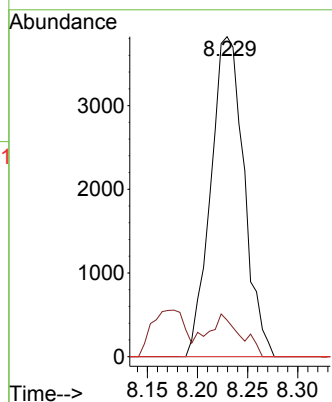
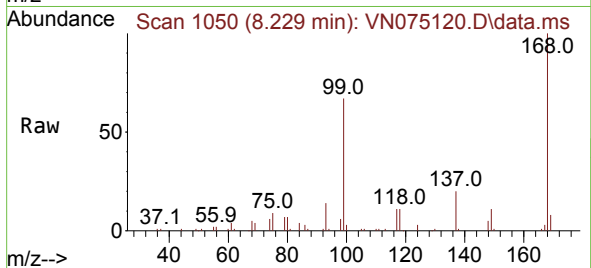
Tgt Ion: 75 Resp: 8810

Ion Ratio Lower Upper

75 100

110 11.2 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 8.345 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075120.D

Acq: 02 Nov 2022 16:27

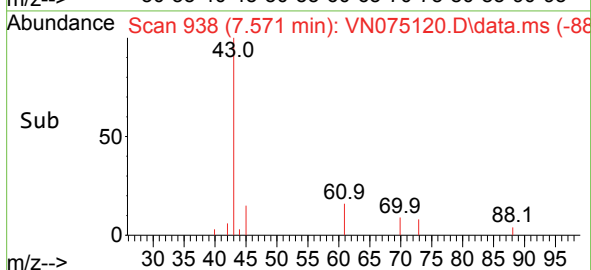
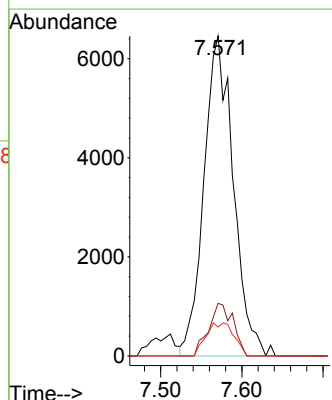
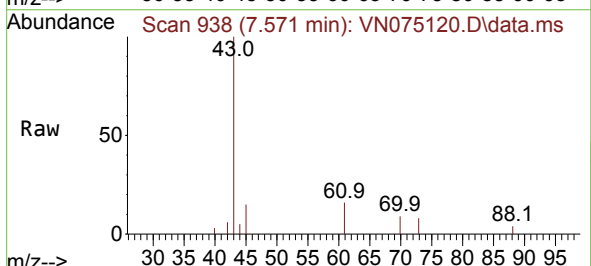
Tgt Ion: 43 Resp: 16247

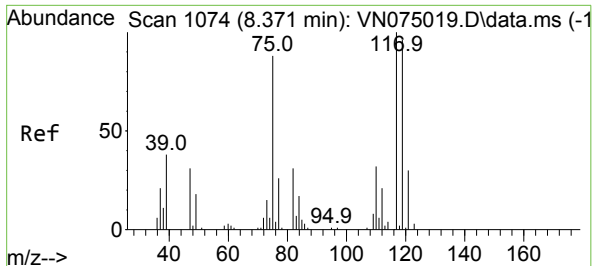
Ion Ratio Lower Upper

43 100

61 13.6 12.2 18.4

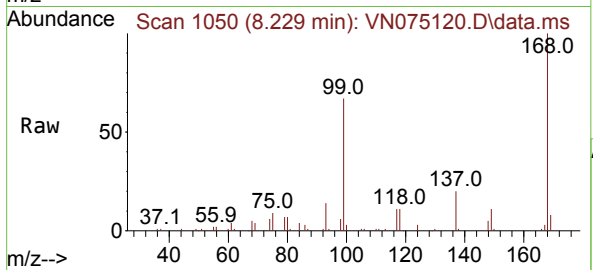
70 9.7 9.4 14.2



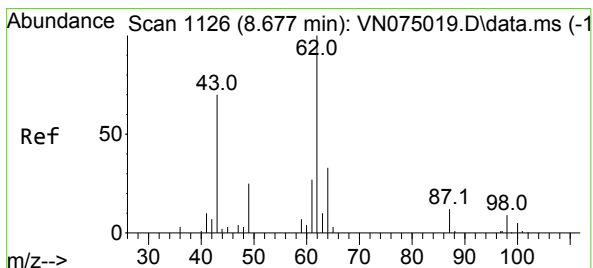
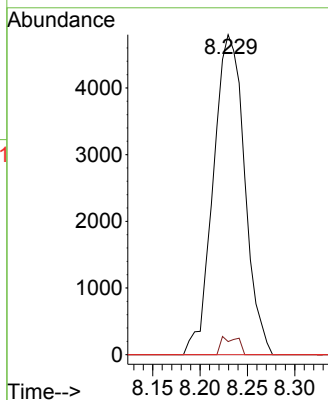
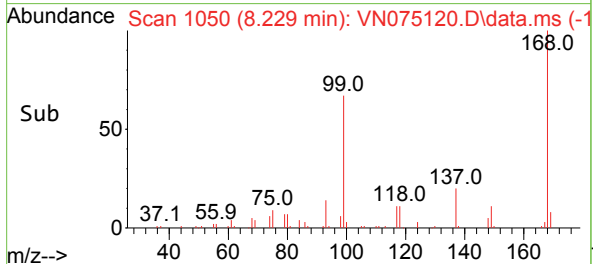


#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 8.229 min Scan# 11032
Delta R.T. -0.142 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Instrument :
MSVOA_N
ClientSampleId :
TP-G

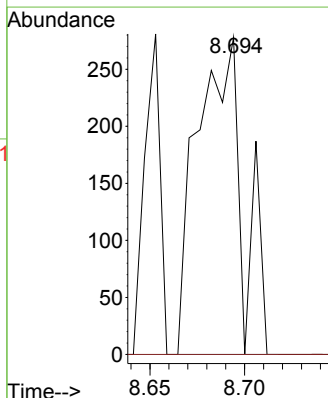
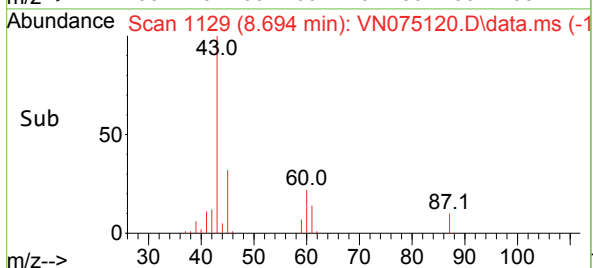
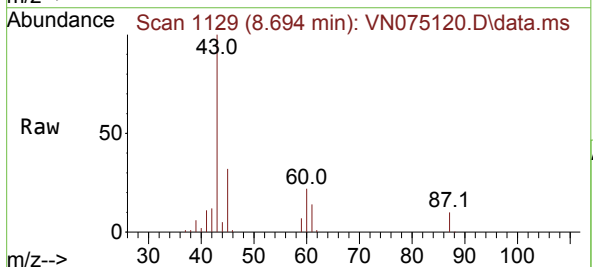


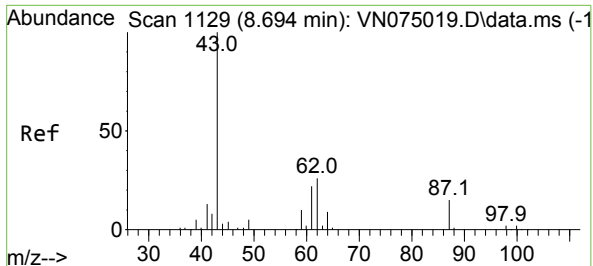
Tgt Ion:117 Resp: 11032
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 62 Resp: 467
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

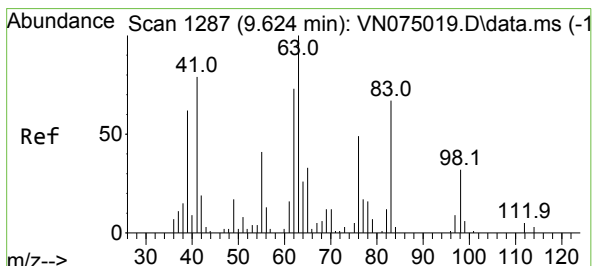
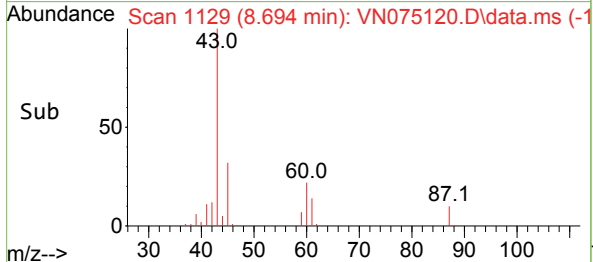
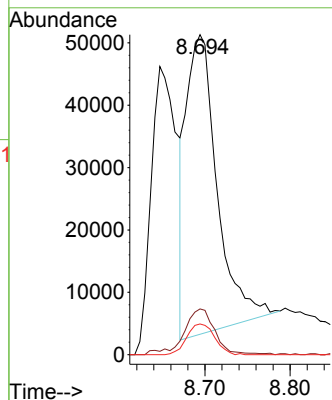
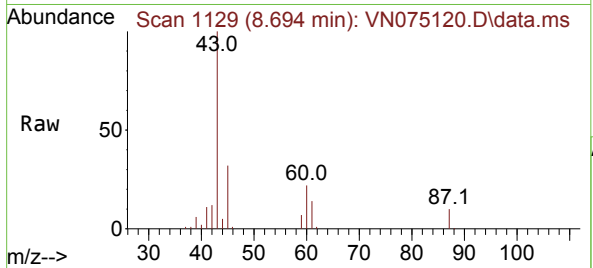




#43
Isopropyl Acetate
Concen: 40.288 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

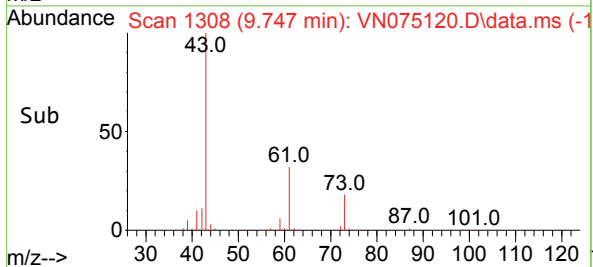
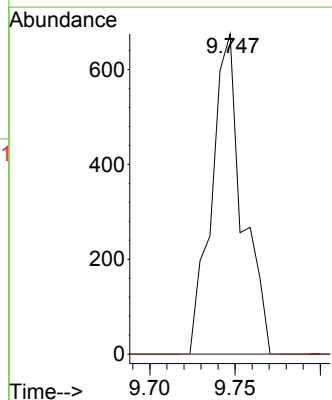
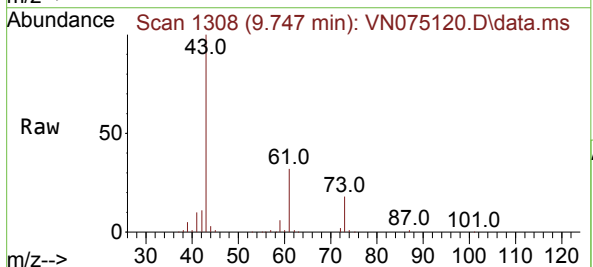
Instrument :
MSVOA_N
ClientSampleId :
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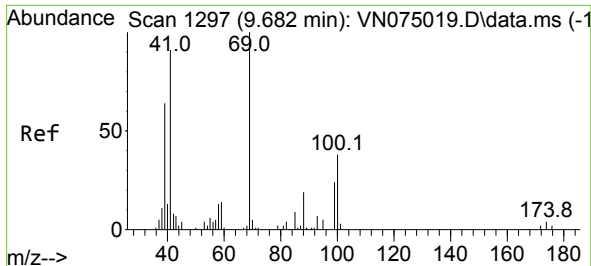
Tgt Ion: 43 Resp: 121673
Ion Ratio Lower Upper
43 100
61 15.3 22.4 33.6#
87 9.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.656 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 63 Resp: 848
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

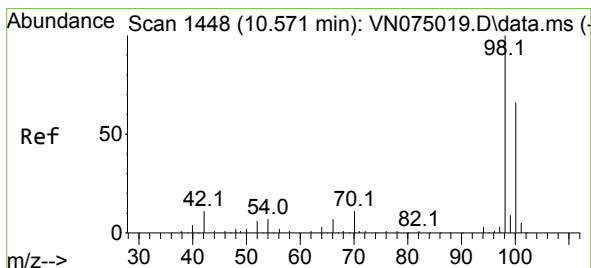
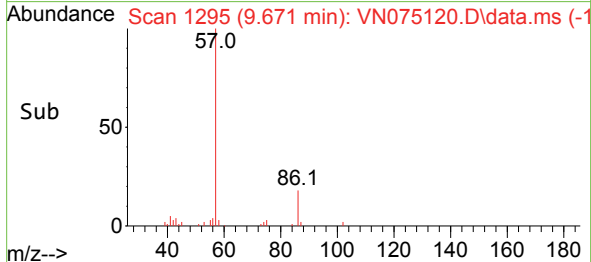
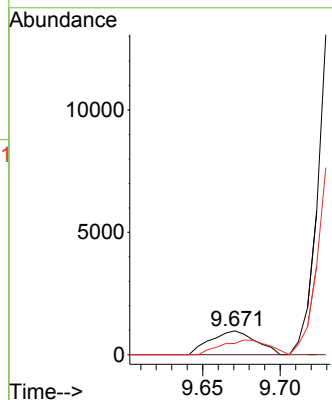
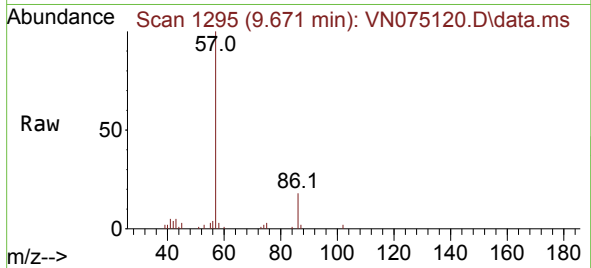




#48
Methyl methacrylate
Concen: 1.431 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

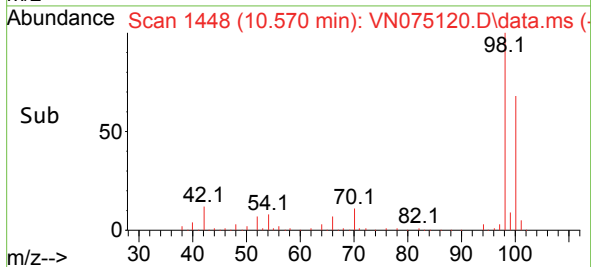
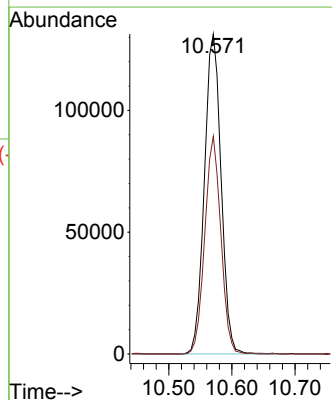
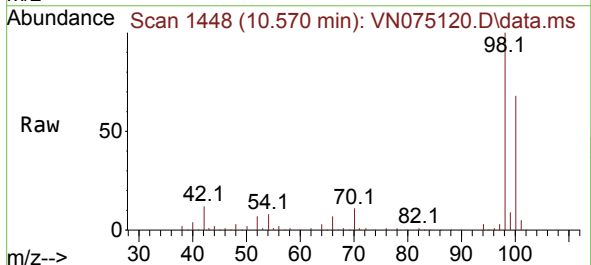
Instrument :
MSVOA_N
ClientSampleId :
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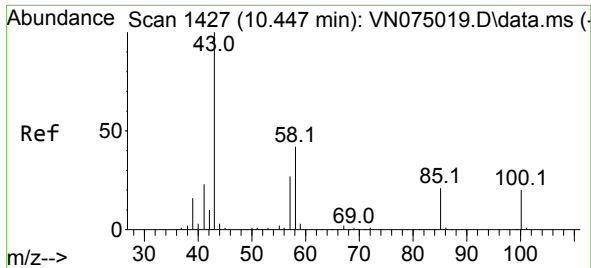
Tgt Ion: 41 Resp: 1982
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 63.8 56.2 84.2



#50
Toluene-d8
Concen: 54.220 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 98 Resp: 241226
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

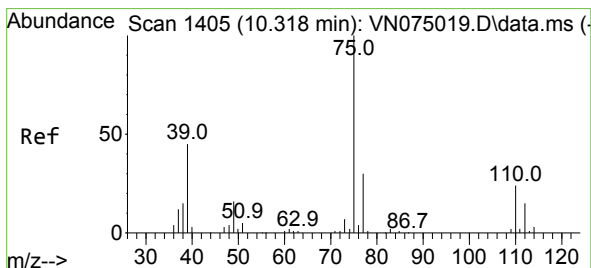
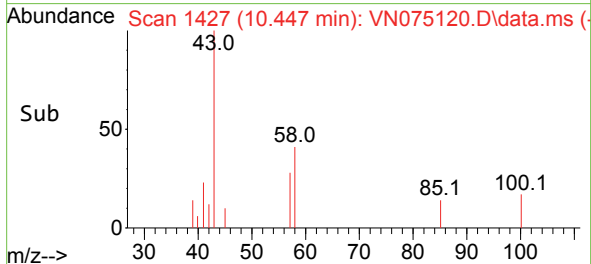
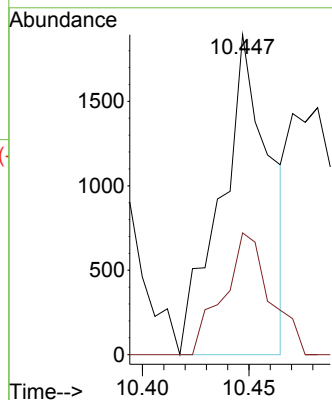
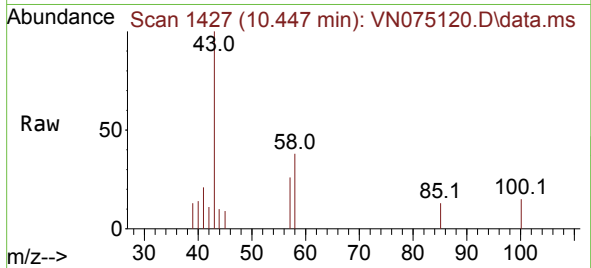




#51
4-Methyl-2-Pentanone
Concen: 1.539 ug/l
RT: 10.447 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

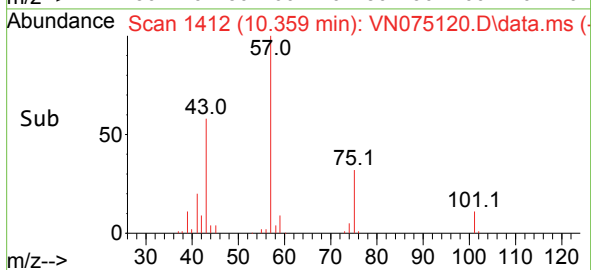
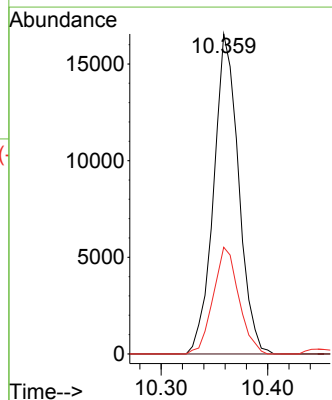
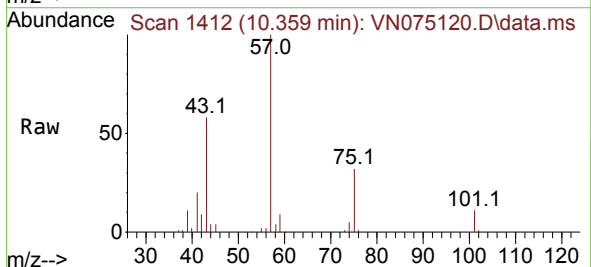
Instrument :
MSVOA_N
ClientSampleId :
TP-G

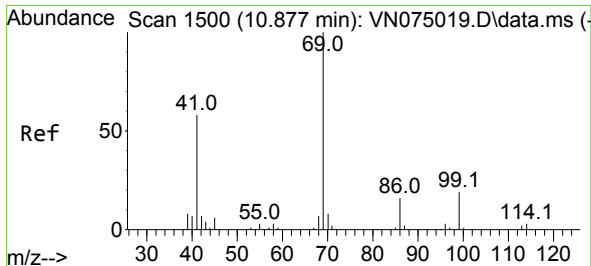
Tgt Ion: 43 Resp: 2999
Ion Ratio Lower Upper
43 100
58 36.7 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 12.305 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 75 Resp: 26887
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.3 35.8 53.6#

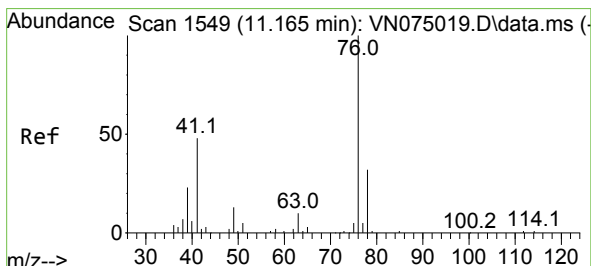
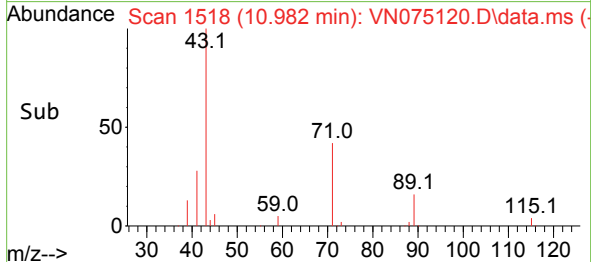
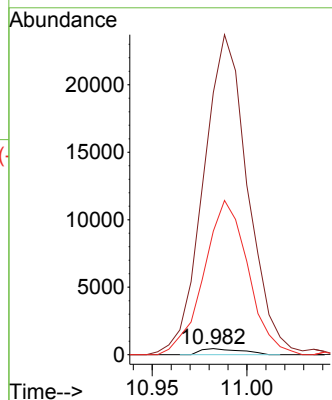
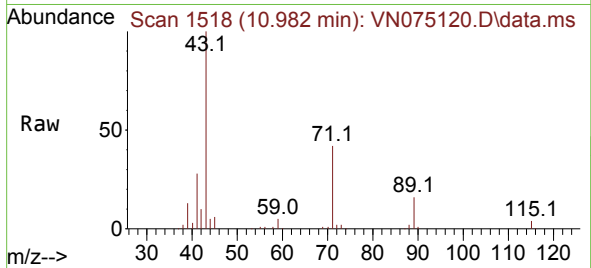




#56
Ethyl methacrylate
Concen: 0.308 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.105 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

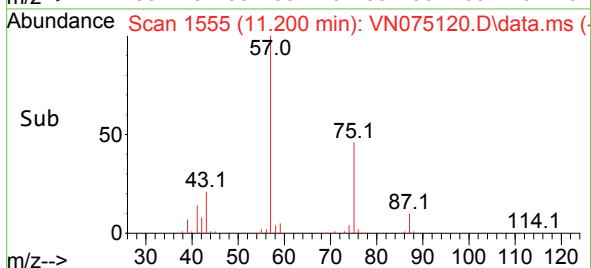
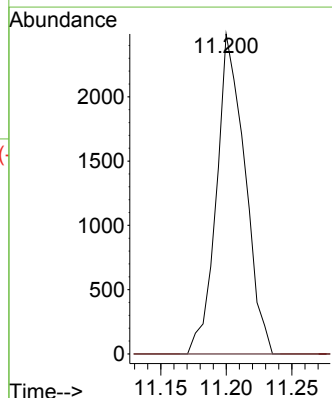
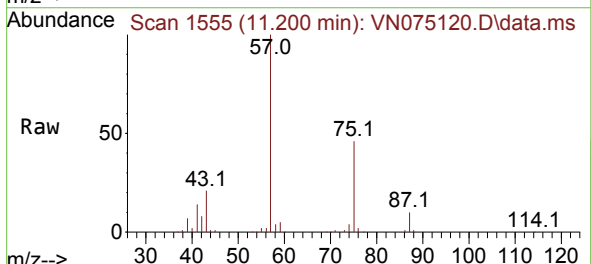
Instrument :
MSVOA_N
ClientSampleId :
TP-G

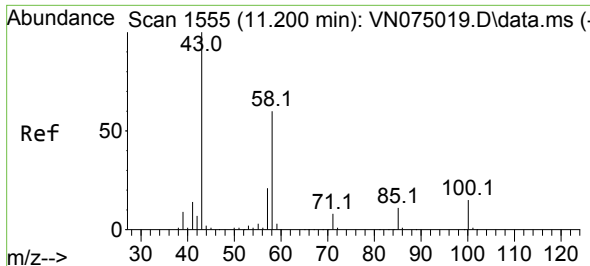
Tgt Ion: 69 Resp: 678
Ion Ratio Lower Upper
69 100
41 5747.2 45.6 68.4#
39 2741.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.560 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 76 Resp: 3742
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

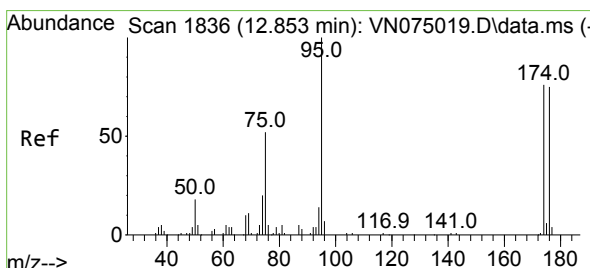
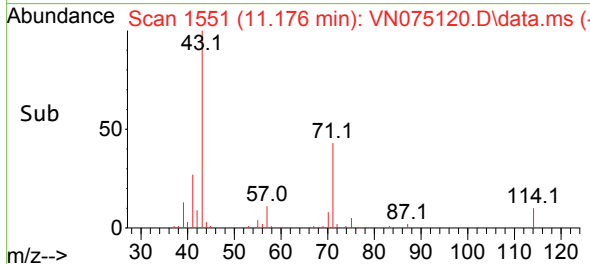
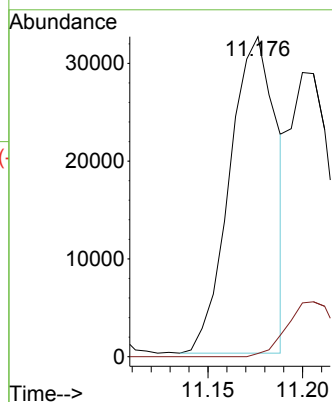
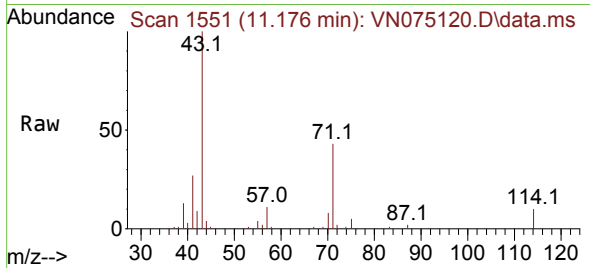




#59
2-Hexanone
Concen: 37.684 ug/l
RT: 11.176 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

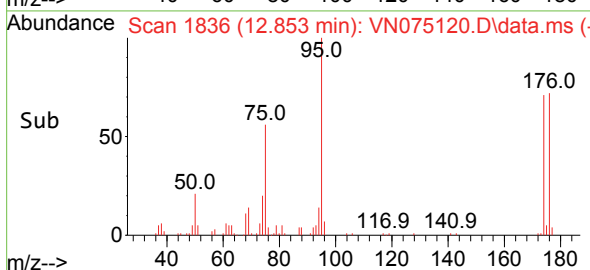
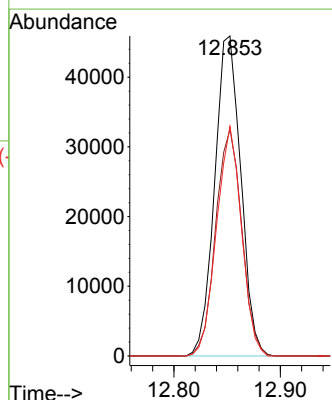
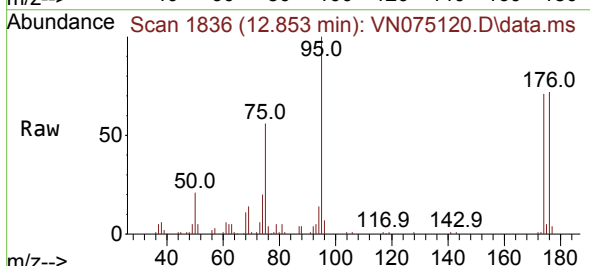
Instrument :
MSVOA_N
ClientSampleId :
TP-G

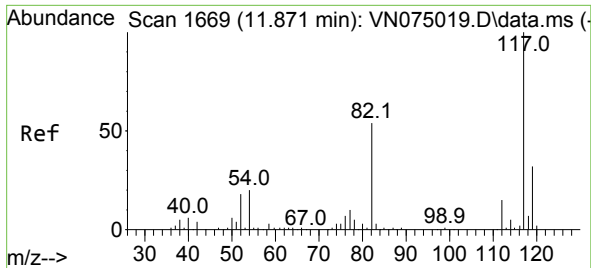
Tgt Ion: 43 Resp: 55739
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 95 Resp: 78296
Ion Ratio Lower Upper
95 100
174 70.6 0.0 147.4
176 68.3 0.0 142.2

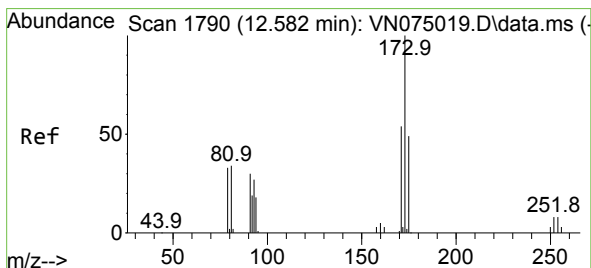
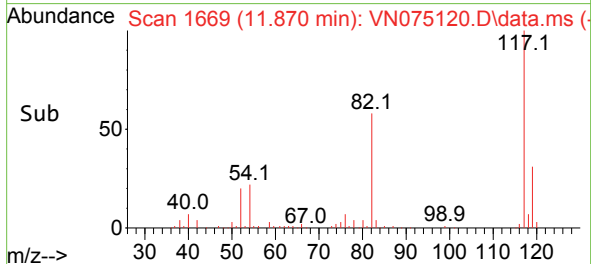
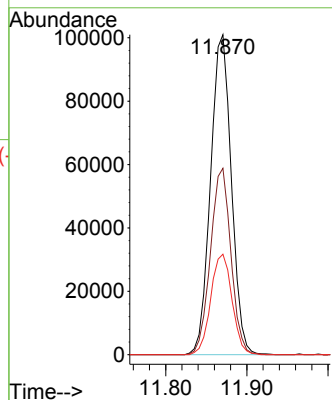
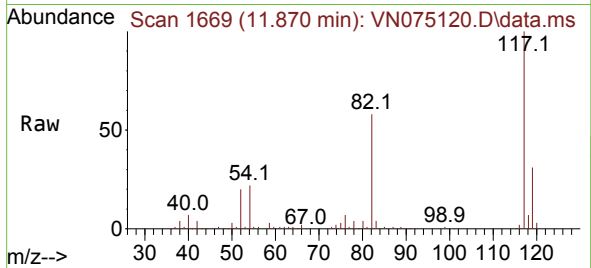




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

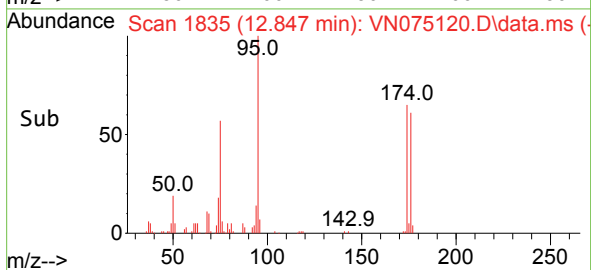
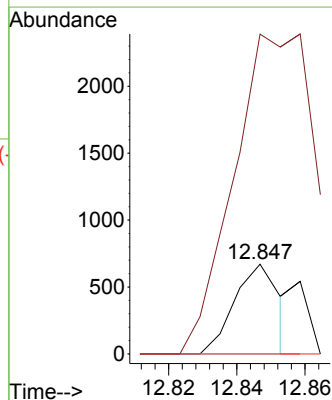
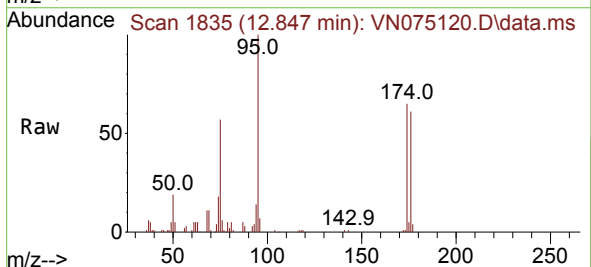
Instrument :
MSVOA_N
ClientSampleId :
TP-G

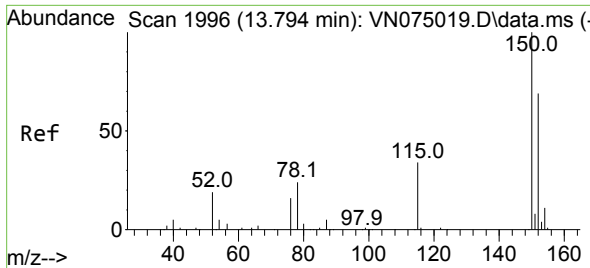
Tgt Ion:117 Resp: 179594
Ion Ratio Lower Upper
117 100
82 58.2 43.1 64.7
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.579 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion:173 Resp: 616
Ion Ratio Lower Upper
173 100
175 421.9 24.6 74.0#
254 0.0 0.0 0.0

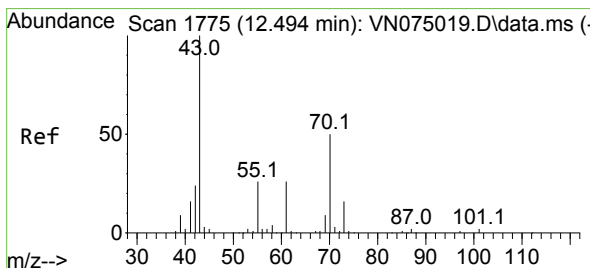
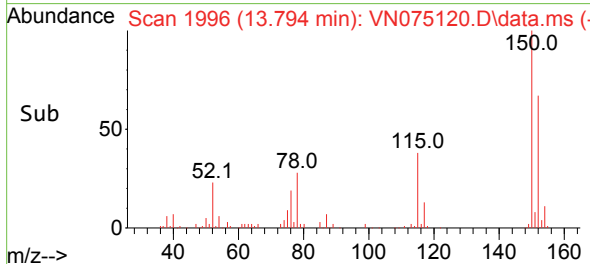
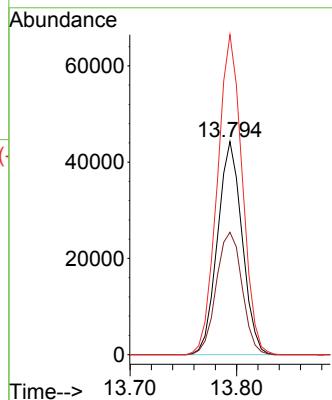
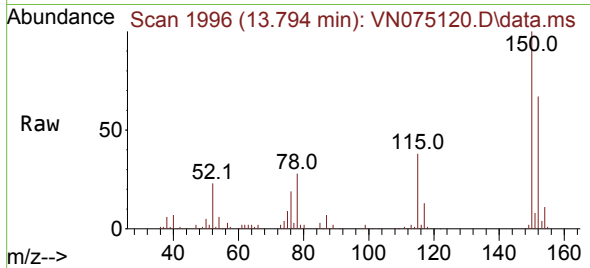




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

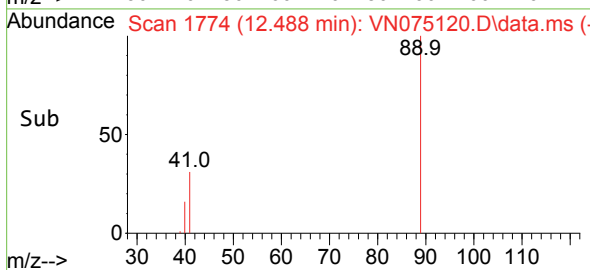
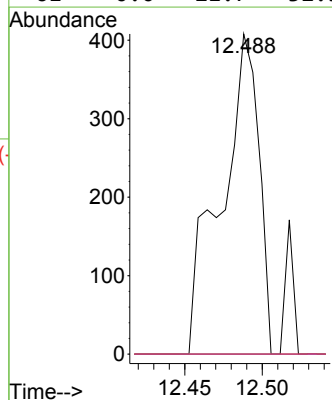
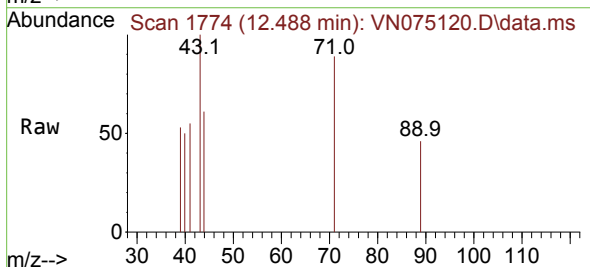
Instrument :
MSVOA_N
ClientSampleId :
TP-G

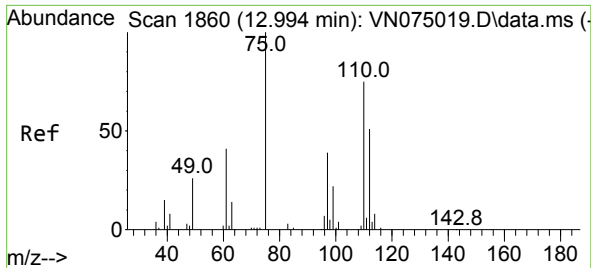
Tgt Ion:152 Resp: 70898
Ion Ratio Lower Upper
152 100
115 60.4 30.2 90.6
150 152.1 0.0 348.4



#74
N-ethyl acetate
Concen: 0.330 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

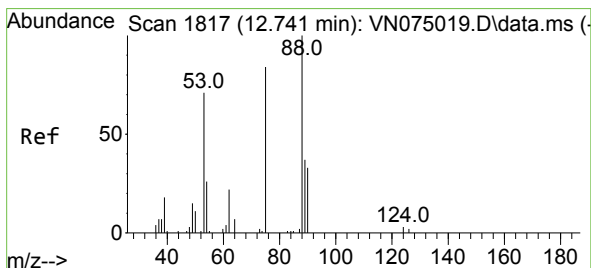
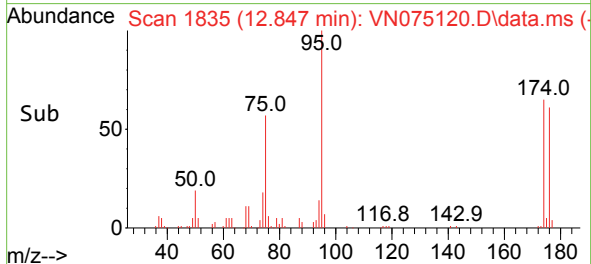
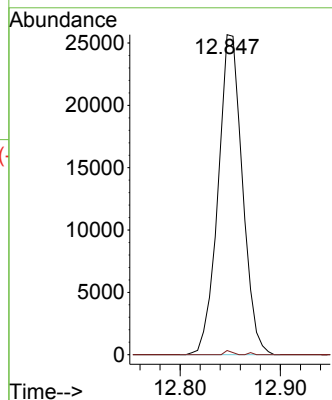
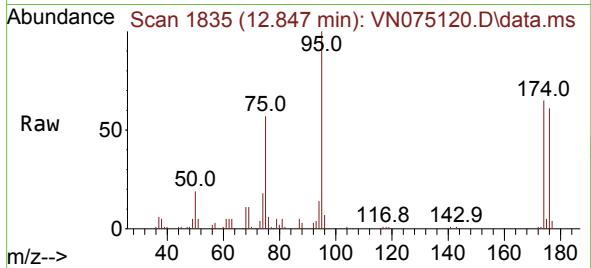




#76
1,2,3-Trichloropropane
Concen: 28.736 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Instrument :
MSVOA_N
ClientSampleId :
TP-G

Tgt Ion: 75 Resp: 43258
Ion Ratio Lower Upper
75 100
77 0.4 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.765 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075120.D
Acq: 02 Nov 2022 16:27

Tgt Ion: 75 Resp: 43258
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

