

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075118.D
 Acq On : 02 Nov 2022 15:39
 Operator : JC\MD
 Sample : N5396-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

Quant Time: Nov 03 04:18:16 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

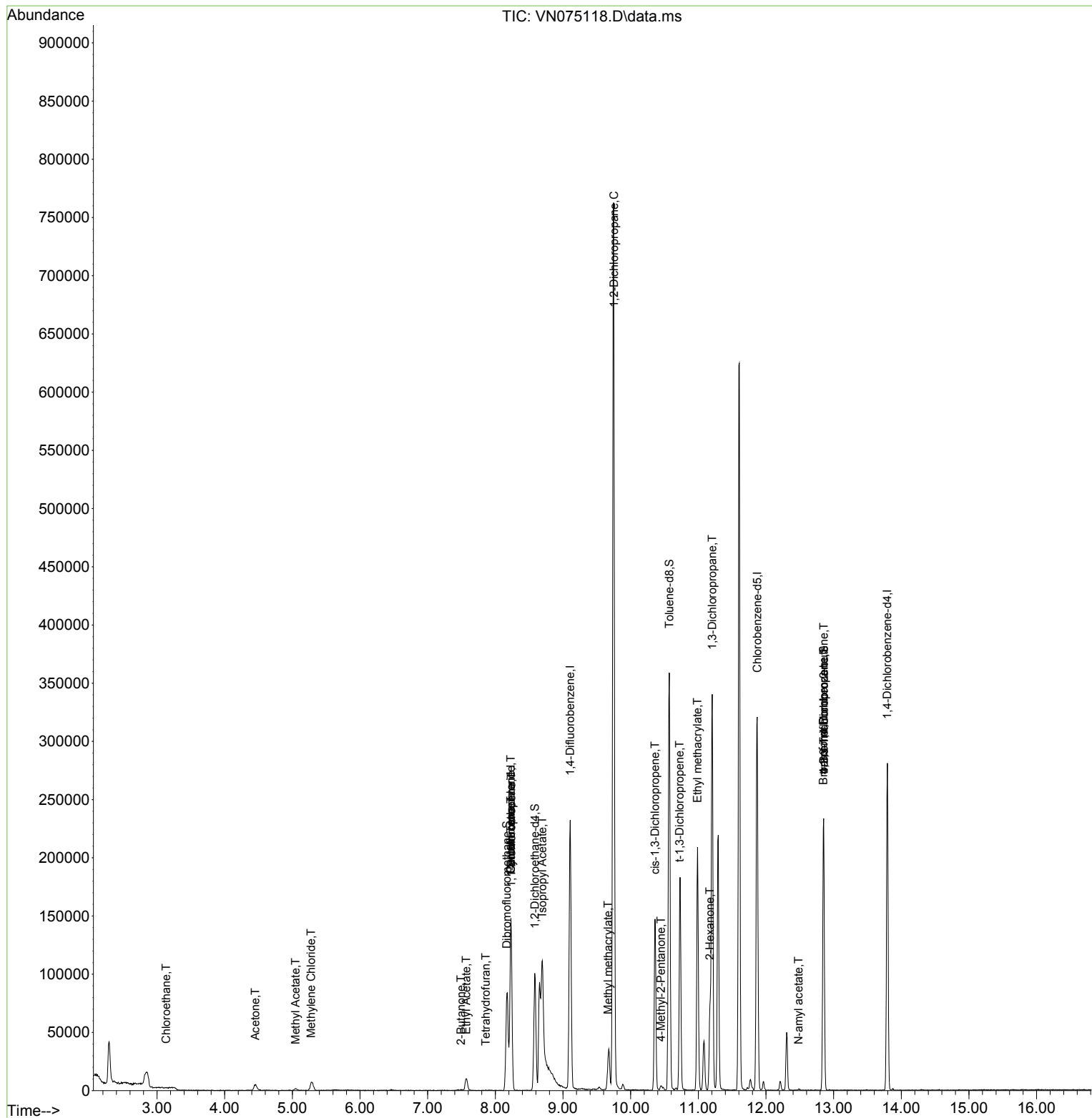
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	101326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	199896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	185062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	80364	58.864	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.720%	
35) Dibromofluoromethane	8.171	113	61267	52.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.420%	
50) Toluene-d8	10.571	98	249054	54.703	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.400%	
62) 4-Bromofluorobenzene	12.853	95	77705	48.586	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.180%	
Target Compounds						Qvalue
5) Bromomethane	2.942	94	62	Below Cal	#	5
6) Chloroethane	3.136	64	403	0.281	ug/l #	45
16) Acetone	4.453	43	10405	17.999	ug/l	95
18) Methyl Acetate	5.047	43	3026	1.603	ug/l #	87
20) Methylene Chloride	5.277	84	6714	5.209	ug/l #	81
25) 2-Butanone	7.494	43	746	0.820	ug/l #	68
29) Tetrahydrofuran	7.859	42	289	0.492	ug/l #	26
31) Cyclohexane	8.230	56	2432	1.198	ug/l #	22
36) 1,1-Dichloropropene	8.236	75	9474	5.215	ug/l #	49
37) Ethyl Acetate	7.571	43	15726	7.893	ug/l	97
38) Carbon Tetrachloride	8.230	117	11381	5.695	ug/l #	16
43) Isopropyl Acetate	8.694	43	166096	53.744	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	968	0.731	ug/l #	42
48) Methyl methacrylate	9.665	41	2042	1.440	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	2453	1.230	ug/l	99
53) t-1,3-Dichloropropene	10.724	75	454	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	27521	12.308	ug/l #	69
56) Ethyl methacrylate	10.988	69	705	0.313	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3798	1.547	ug/l #	42
59) 2-Hexanone	11.171	43	56333	37.218	ug/l #	21
71) Bromoform	12.847	173	738	0.673	ug/l #	1
74) N-amyl acetate	12.482	43	525	0.250	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	43235	28.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43235	73.829	ug/l #	10

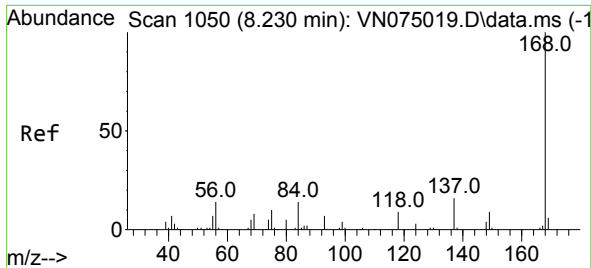
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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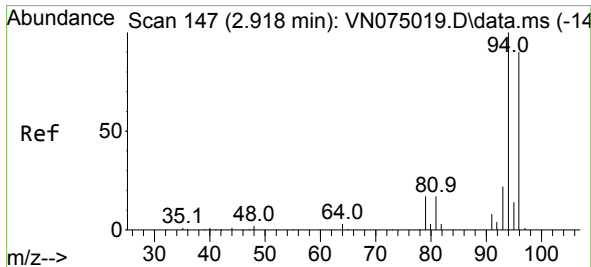
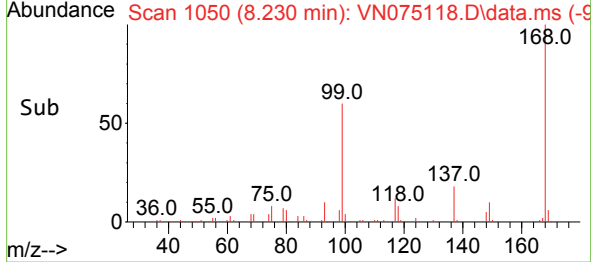
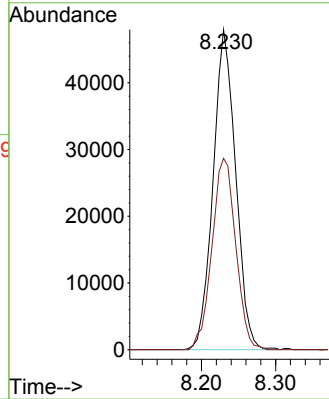
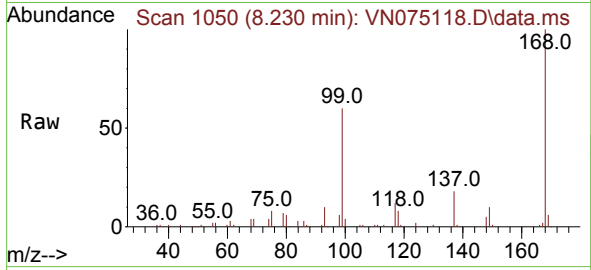




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

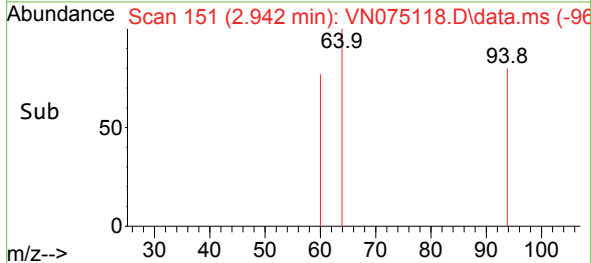
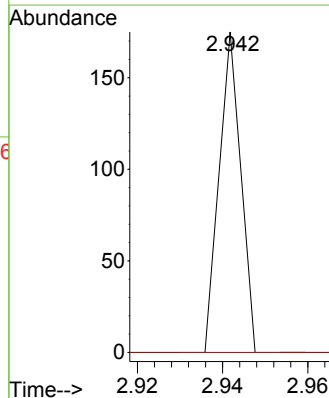
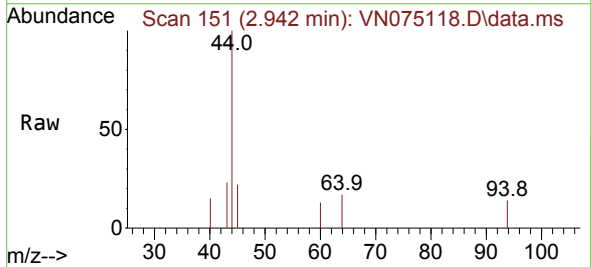
Instrument :
MSVOA_N
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TP-B

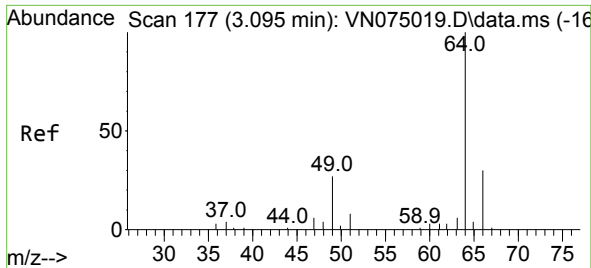
Tgt Ion:168 Resp: 101326
Ion Ratio Lower Upper
168 100
99 59.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

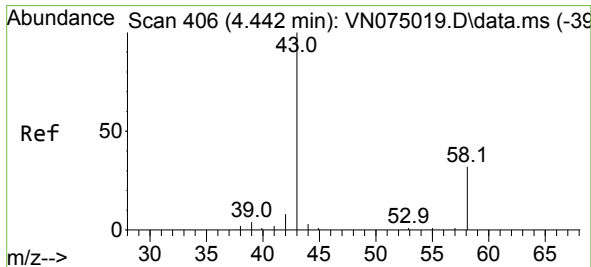
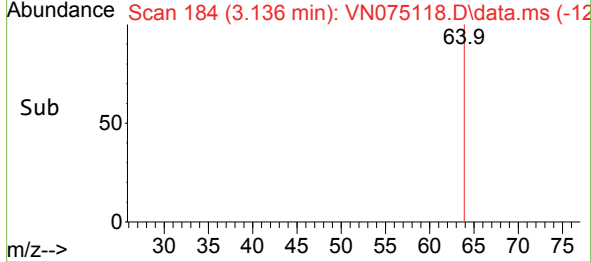
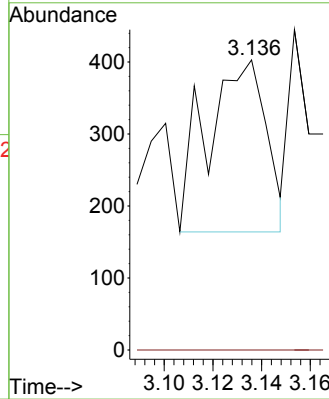
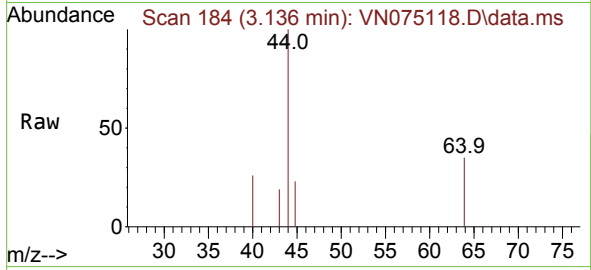




#6
Chloroethane
Concen: 0.281 ug/l
RT: 3.136 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

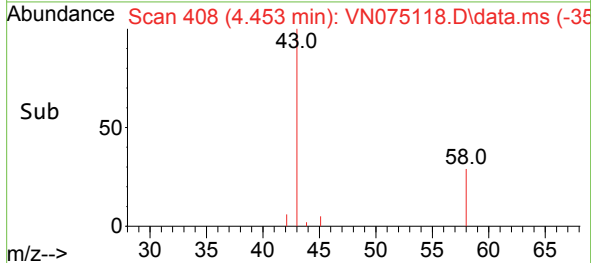
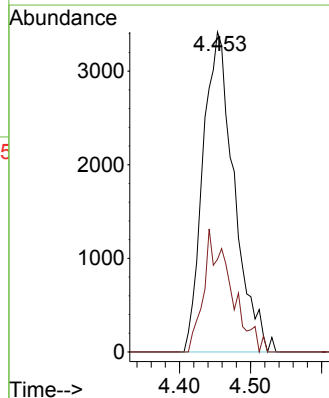
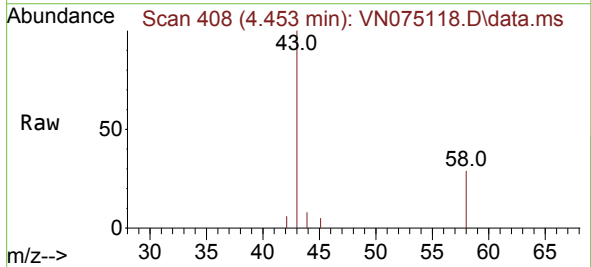
Instrument :
MSVOA_N
ClientSampleId :
TP-B

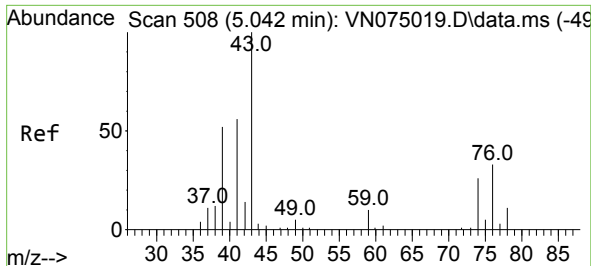
Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#16
Acetone
Concen: 17.999 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 43 Resp: 10405
Ion Ratio Lower Upper
43 100
58 28.9 25.5 38.3

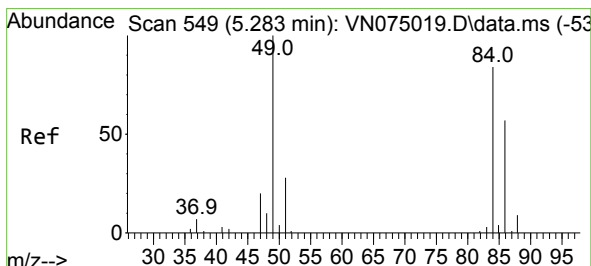
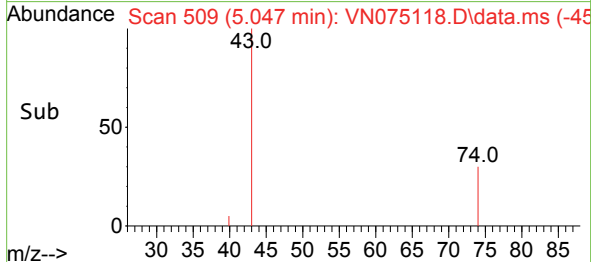
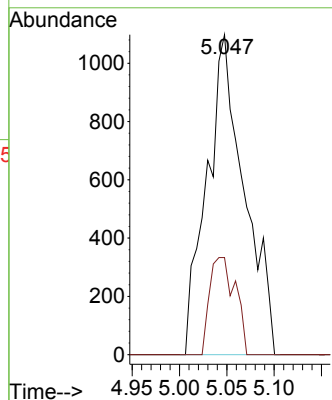
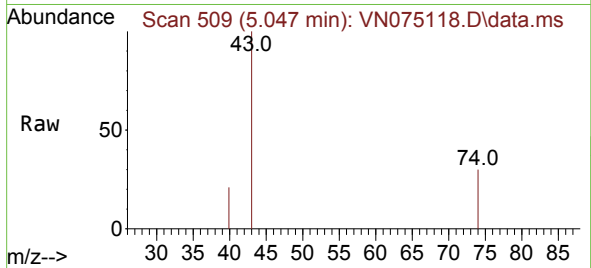




#18
Methyl Acetate
Concen: 1.603 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

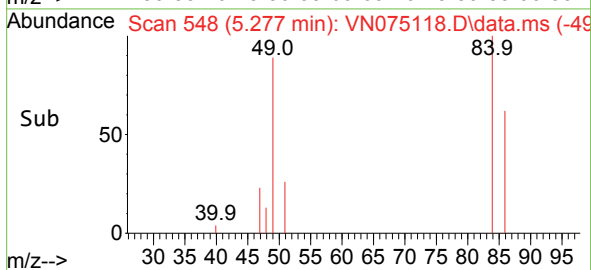
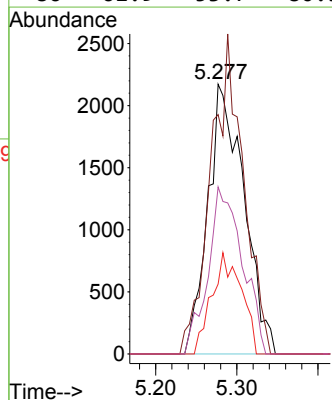
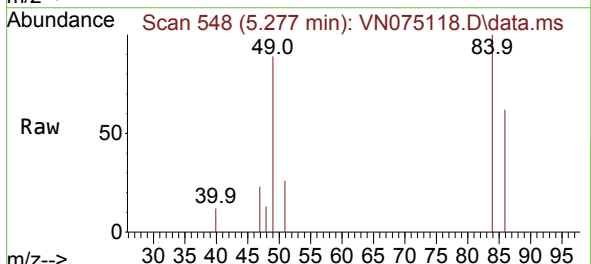
Instrument :
MSVOA_N
ClientSampleId :
TP-B

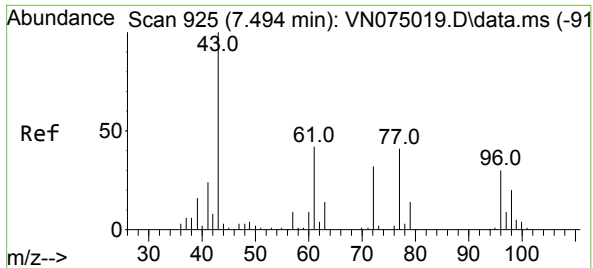
Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
74 20.7 22.0 33.0#



#20
Methylene Chloride
Concen: 5.209 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 84 Resp: 6714
Ion Ratio Lower Upper
84 100
49 88.7 94.9 142.3#
51 25.9 26.8 40.2#
86 61.9 53.7 80.5

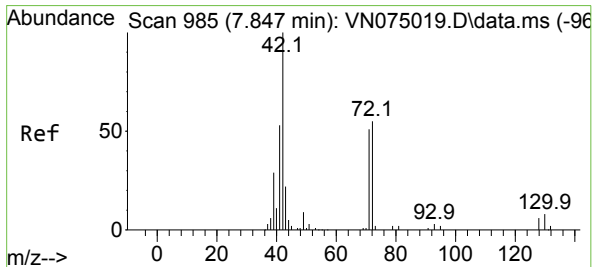
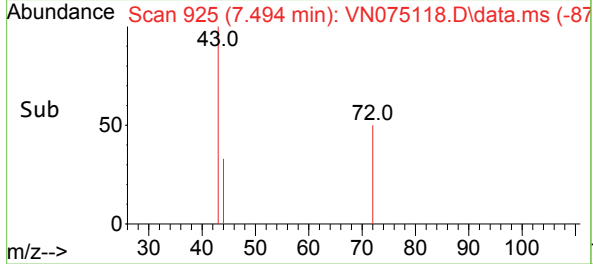
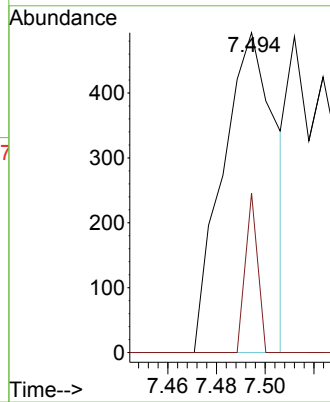
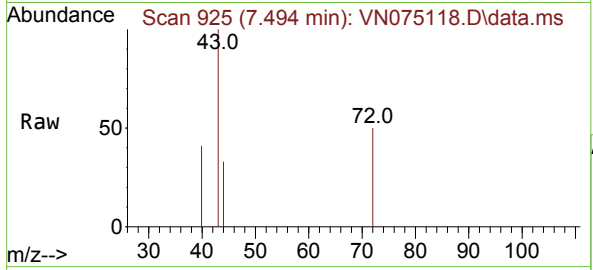




#25
2-Butanone
Concen: 0.820 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

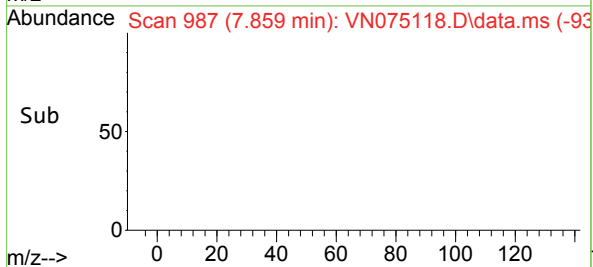
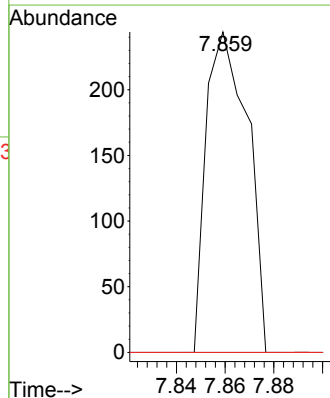
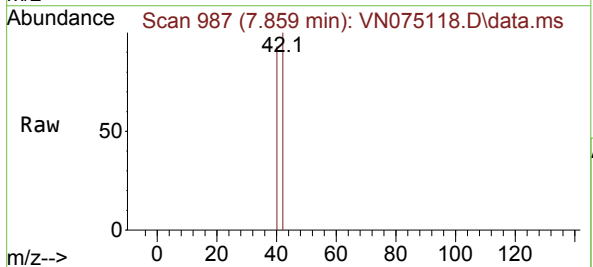
Instrument :
MSVOA_N
ClientSampleId :
TP-B

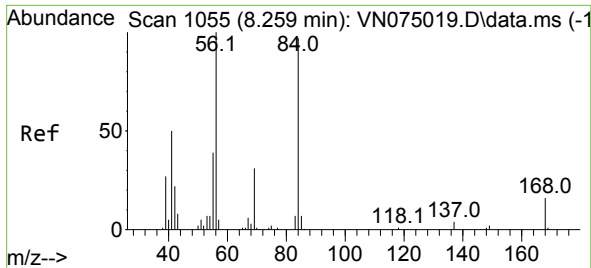
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
72 49.9 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.492 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.012 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 42 Resp: 289
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#

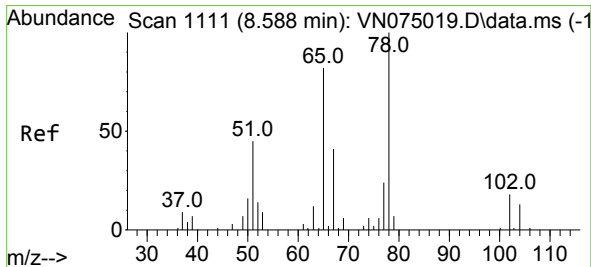
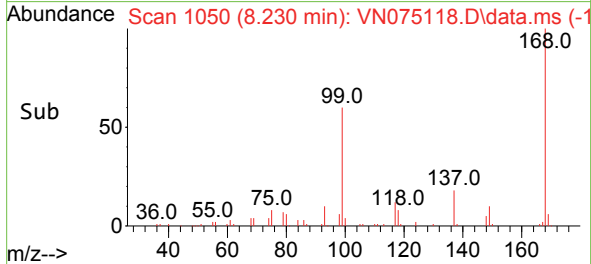
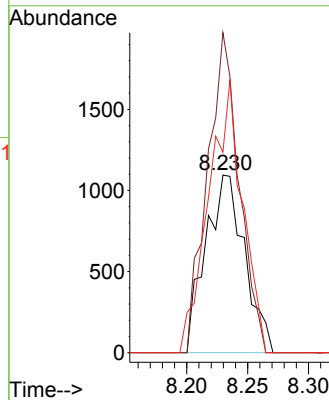
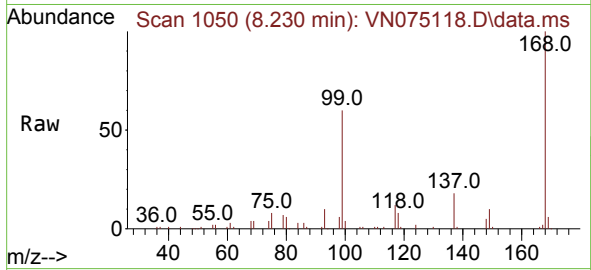




#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

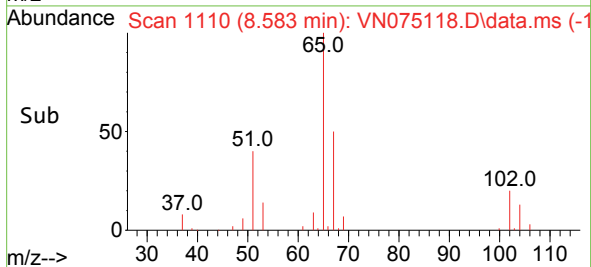
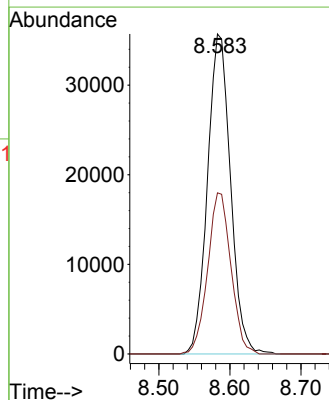
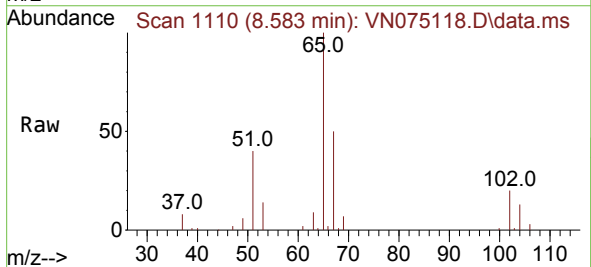
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MSVOA_N
ClientSampleId :
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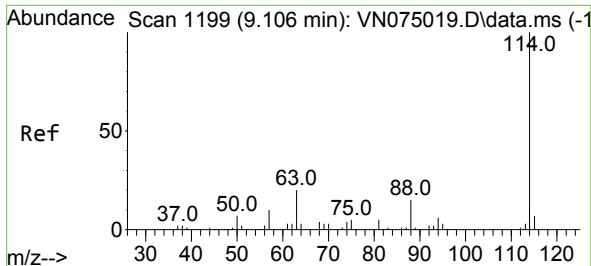
Tgt Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 180.2 25.2 37.8#
84 112.9 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 58.864 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 65 Resp: 80364
Ion Ratio Lower Upper
65 100
67 50.8 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: VN075118.D

Acq: 02 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

TP-B

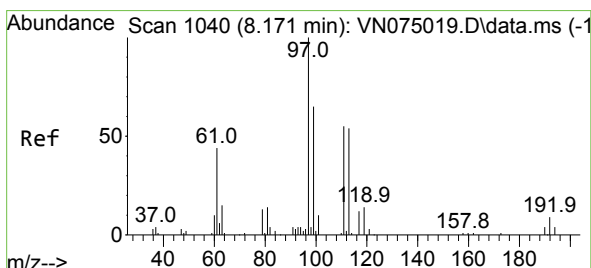
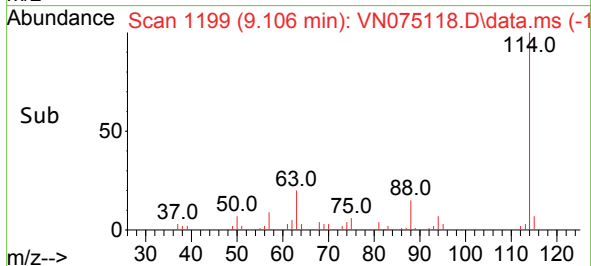
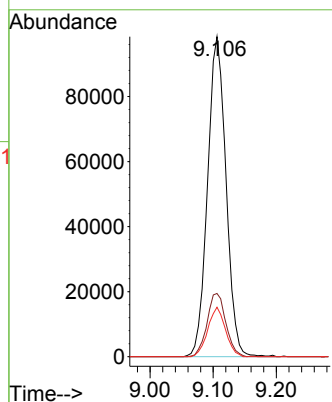
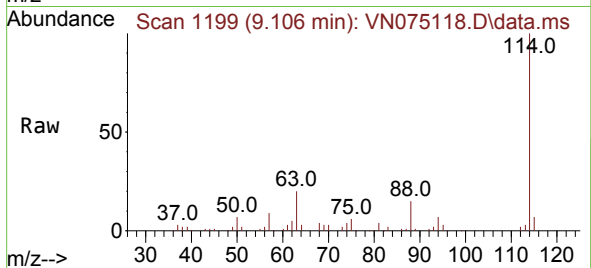
Tgt Ion:114 Resp: 199896

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.209 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

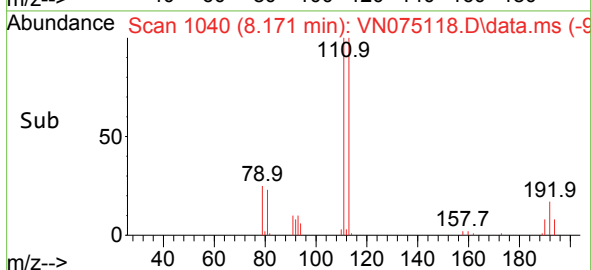
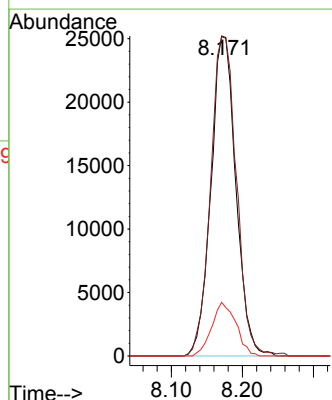
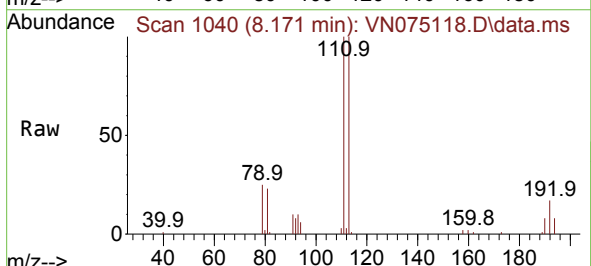
Tgt Ion:113 Resp: 61267

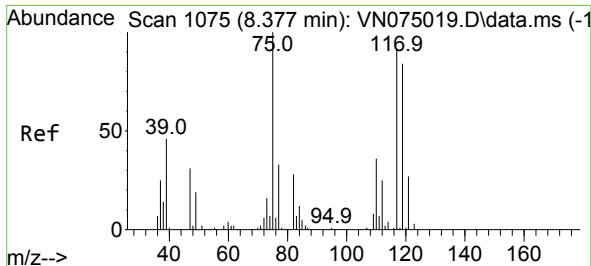
Ion Ratio Lower Upper

113 100

111 103.7 80.5 120.7

192 16.4 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.215 ug/l

RT: 8.236 min Scan# 1075

Delta R.T. -0.142 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

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MSVOA_N

ClientSampleId :

TP-B

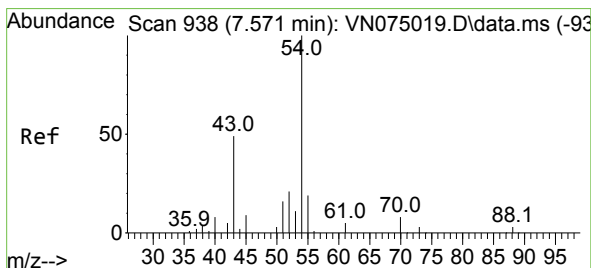
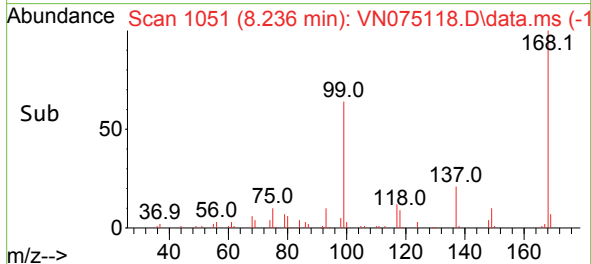
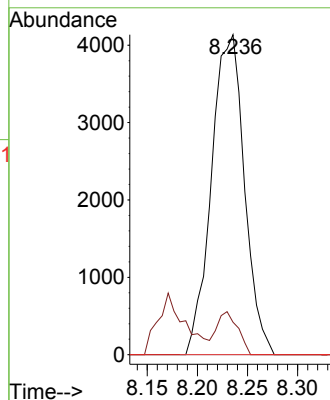
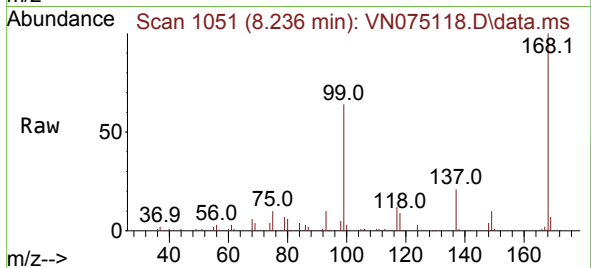
Tgt Ion: 75 Resp: 9474

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 7.893 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

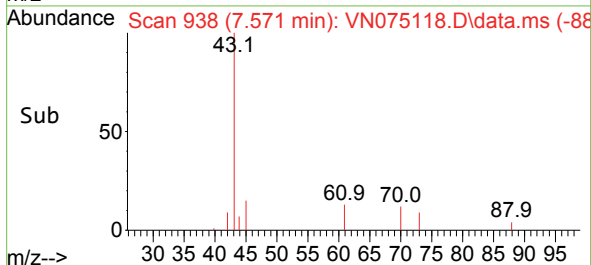
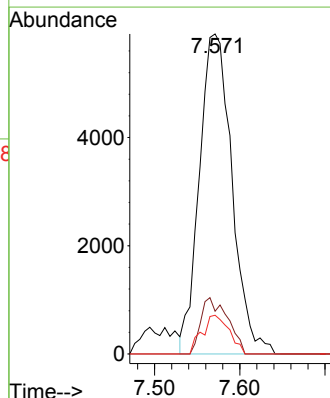
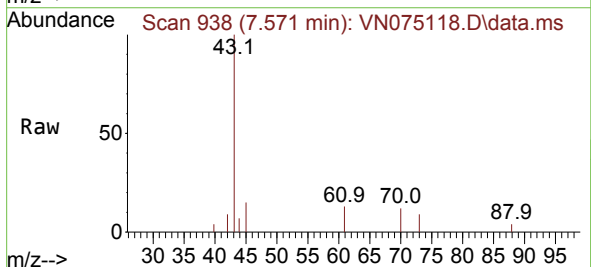
Tgt Ion: 43 Resp: 15726

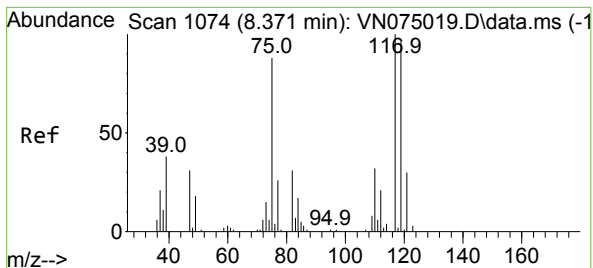
Ion Ratio Lower Upper

43 100

61 14.5 12.2 18.4

70 10.0 9.4 14.2





#38

Carbon Tetrachloride

Concen: 5.695 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

TP-B

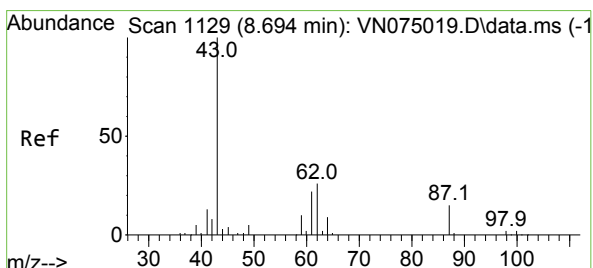
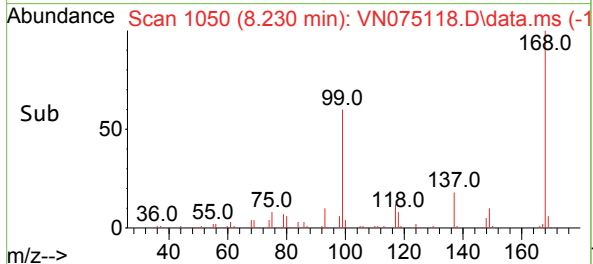
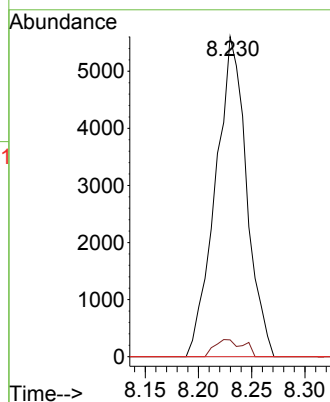
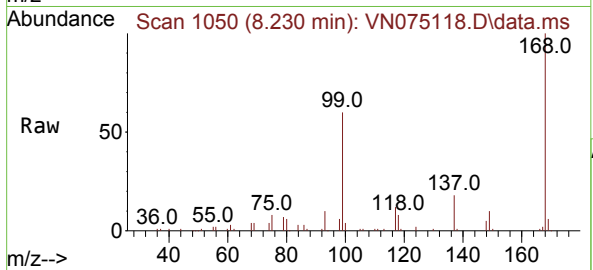
Tgt Ion:117 Resp: 11381

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 53.744 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

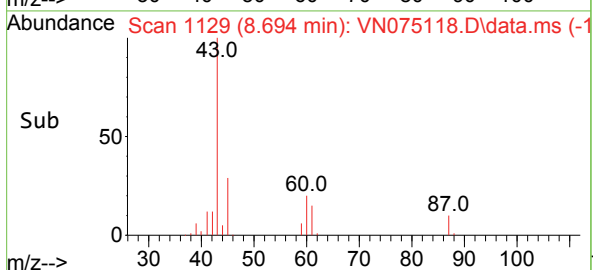
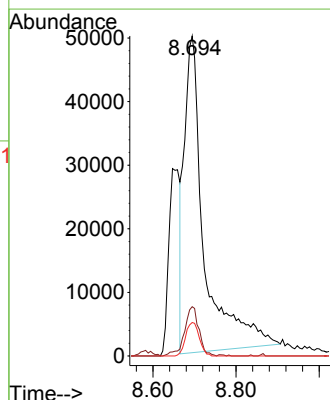
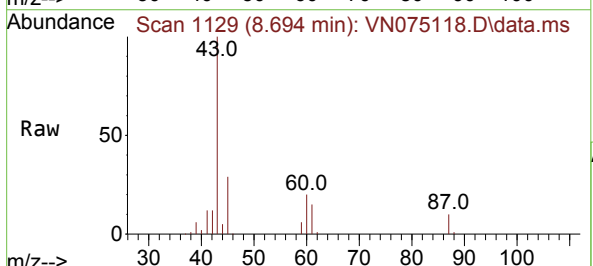
Tgt Ion: 43 Resp: 166096

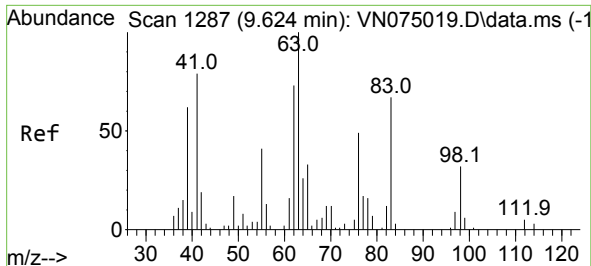
Ion Ratio Lower Upper

43 100

61 11.2 22.4 33.6#

87 7.2 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.731 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

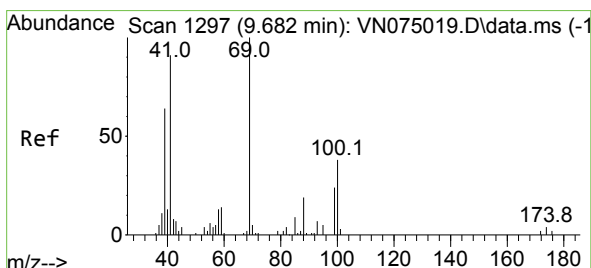
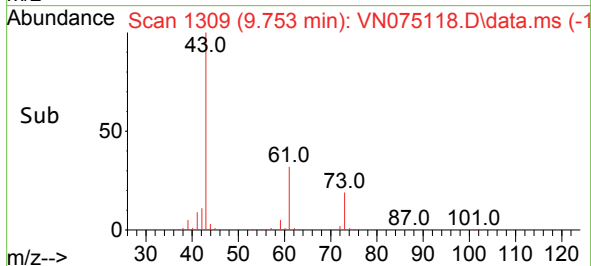
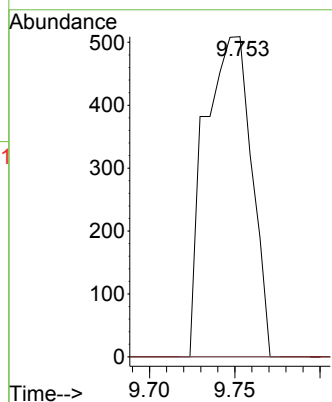
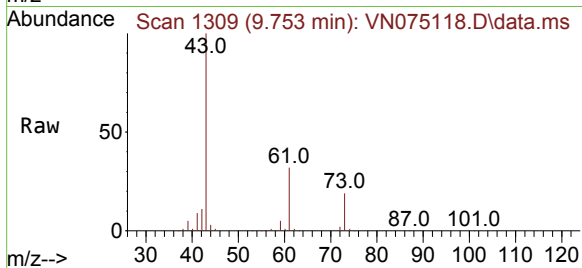
TP-B

Tgt Ion: 63 Resp: 968

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.440 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

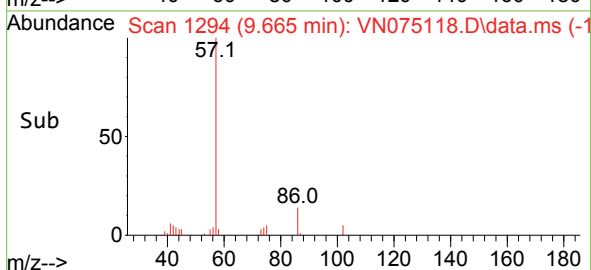
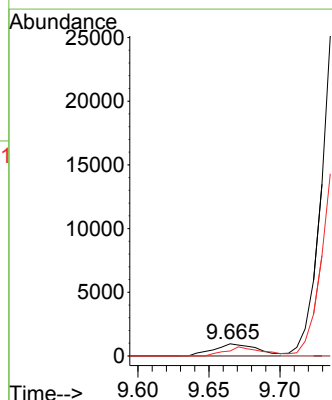
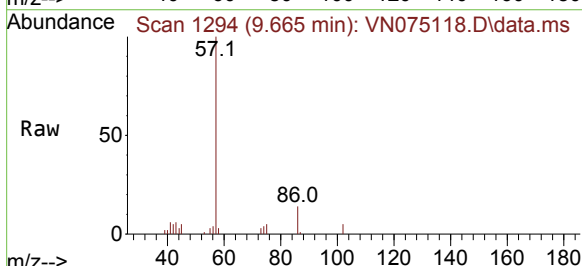
Tgt Ion: 41 Resp: 2042

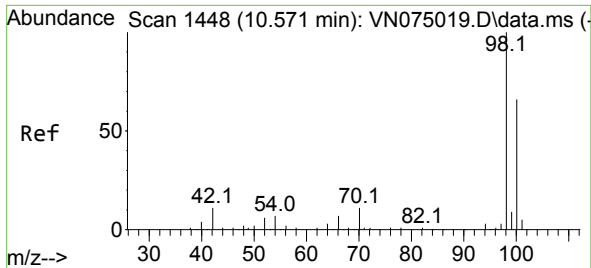
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 63.1 56.2 84.2

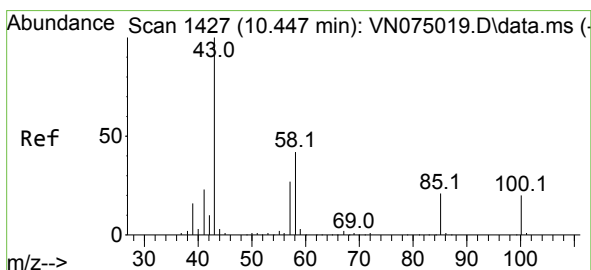
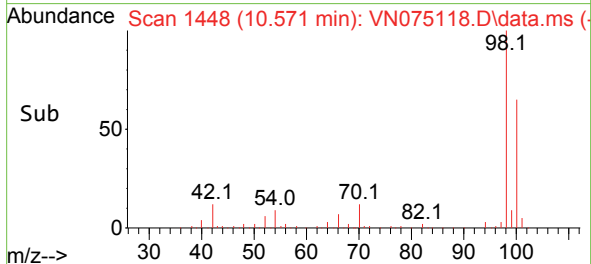
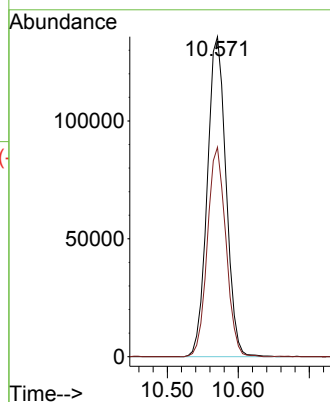
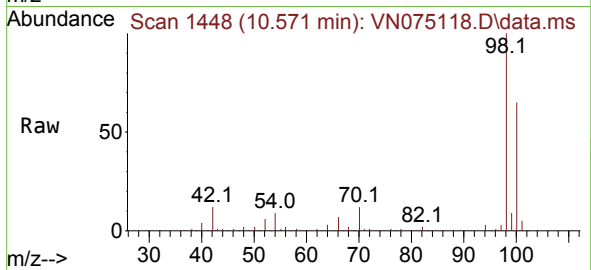




#50
Toluene-d8
Concen: 54.703 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

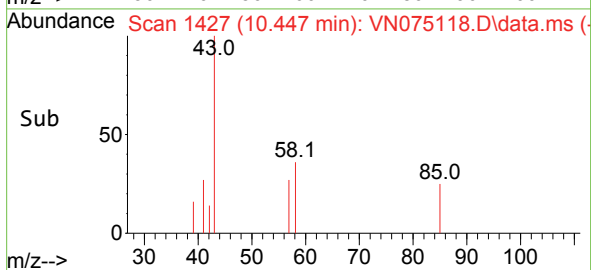
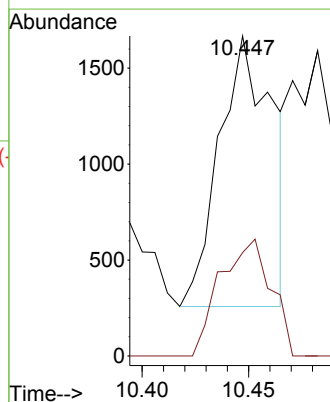
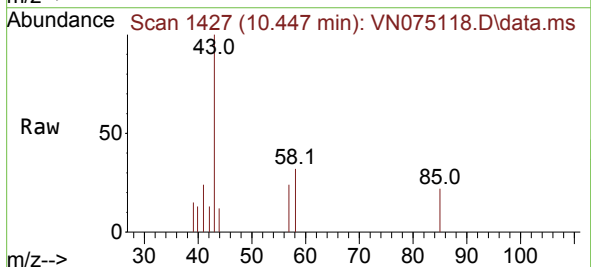
Instrument :
MSVOA_N
ClientSampleId :
TP-B

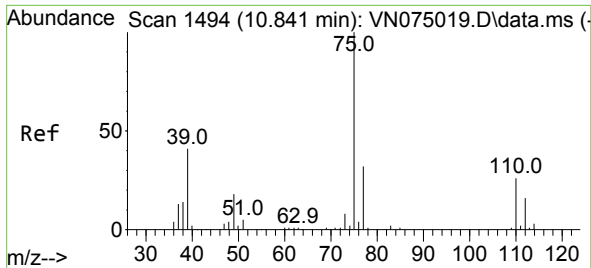
Tgt Ion: 98 Resp: 249054
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.230 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
58 41.2 33.6 50.4

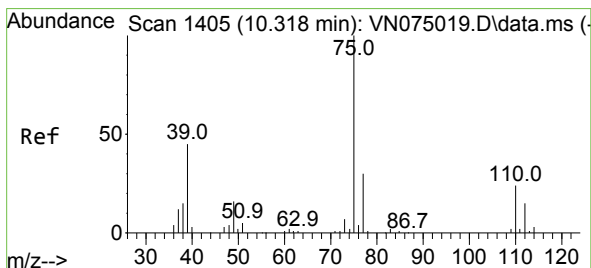
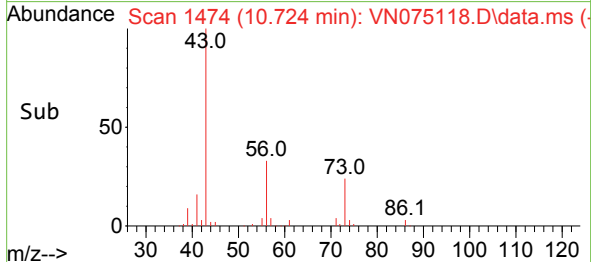
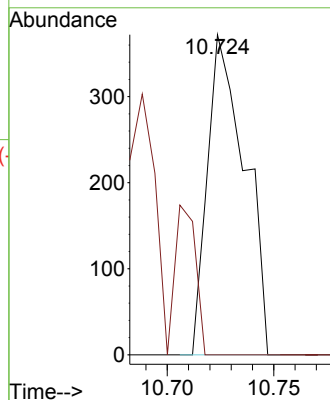
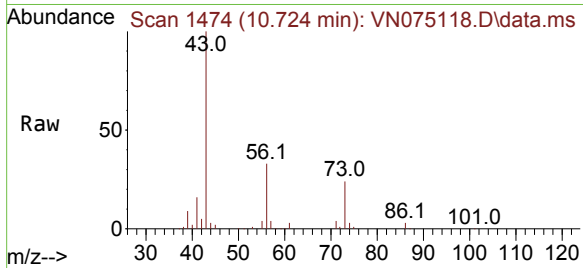




#53
 t-1,3-Dichloropropene
 Concen: 0.215 ug/l
 RT: 10.724 min Scan# 1411
 Delta R.T. -0.117 min
 Lab File: VN075118.D
 Acq: 02 Nov 2022 15:39

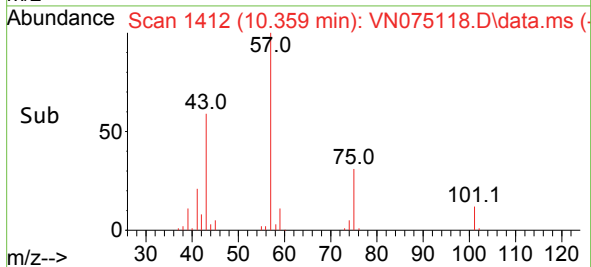
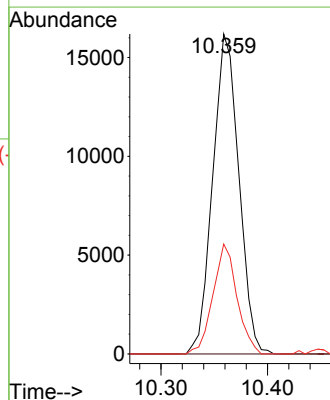
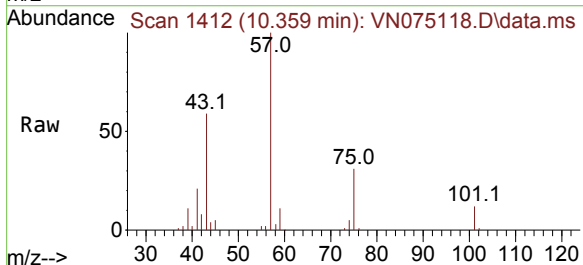
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

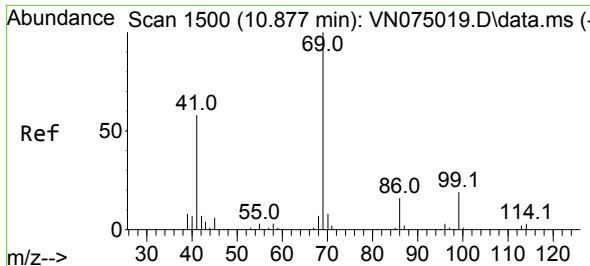
Tgt Ion: 75 Resp: 454
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 12.308 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075118.D
 Acq: 02 Nov 2022 15:39

Tgt Ion: 75 Resp: 27521
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.4 35.8 53.6#

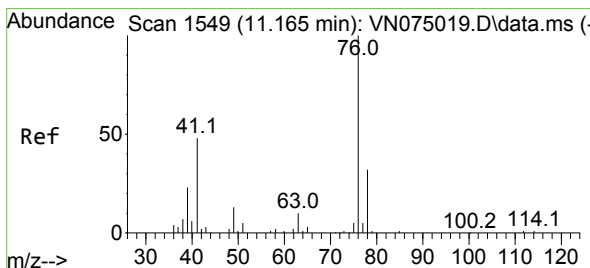
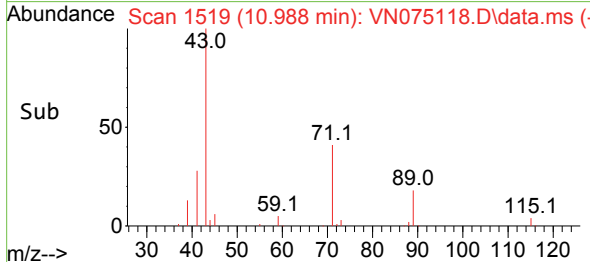
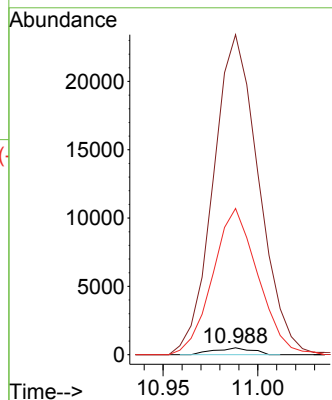
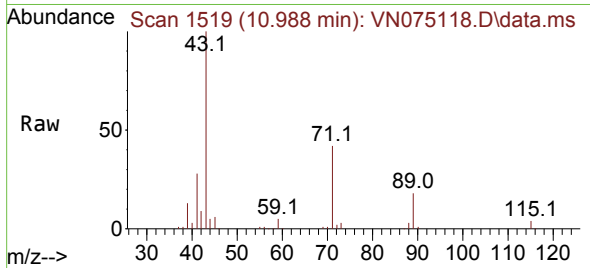




#56
Ethyl methacrylate
Concen: 0.313 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

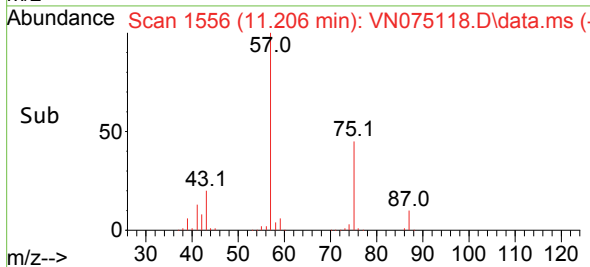
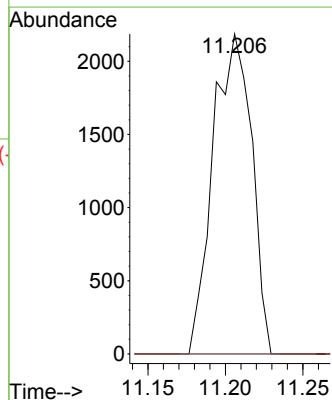
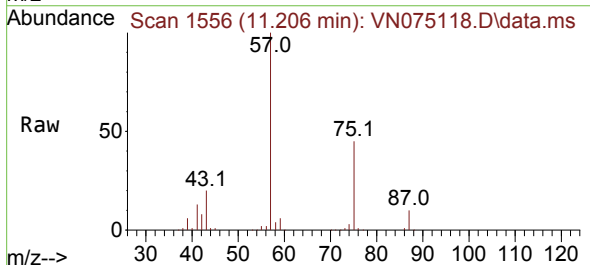
Instrument :
MSVOA_N
ClientSampleId :
TP-B

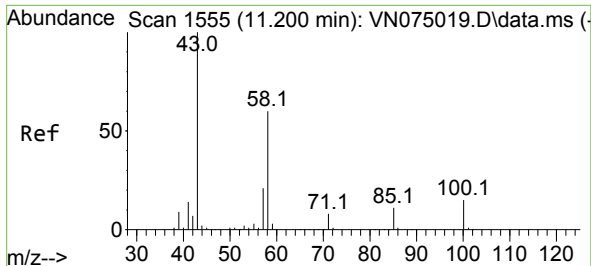
Tgt Ion: 69 Resp: 705
Ion Ratio Lower Upper
69 100
41 5566.8 45.6 68.4#
39 2532.5 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.547 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 76 Resp: 3798
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

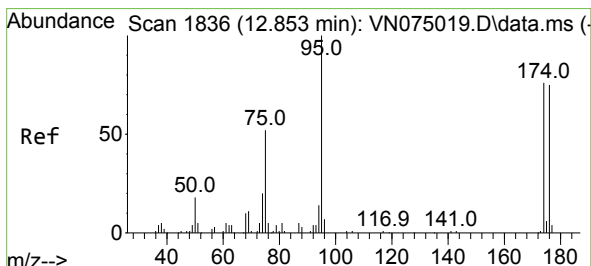
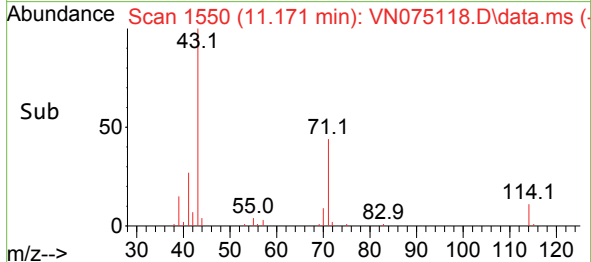
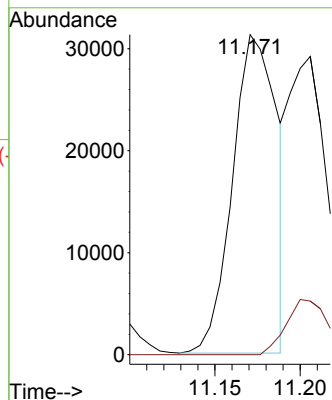
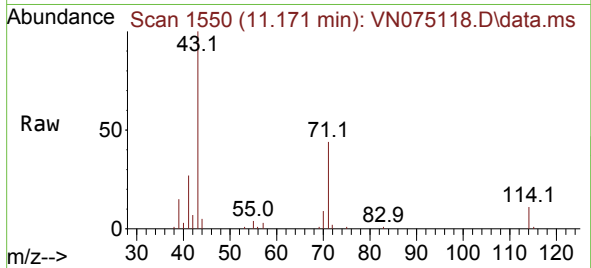




#59
2-Hexanone
Concen: 37.218 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

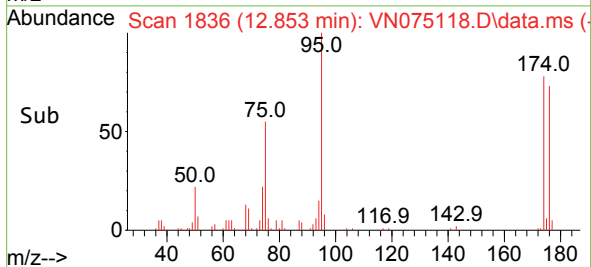
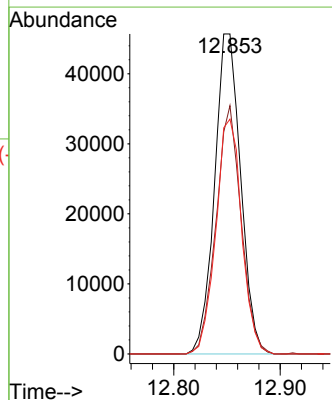
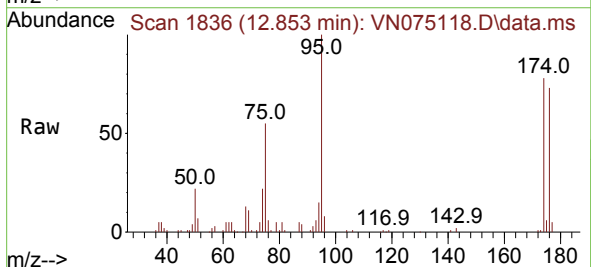
Instrument :
MSVOA_N
ClientSampleId :
TP-B

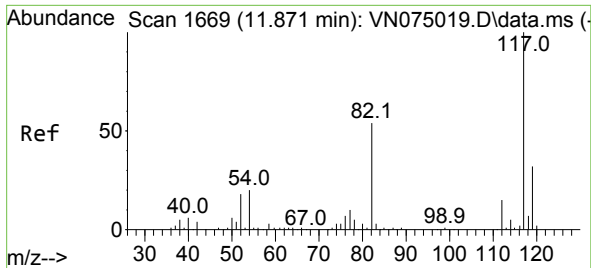
Tgt Ion: 43 Resp: 56333
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.586 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 95 Resp: 77705
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.4
176 72.5 0.0 142.2

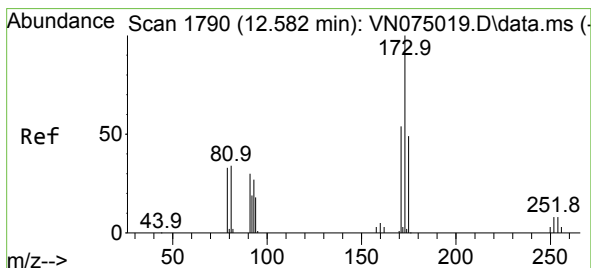
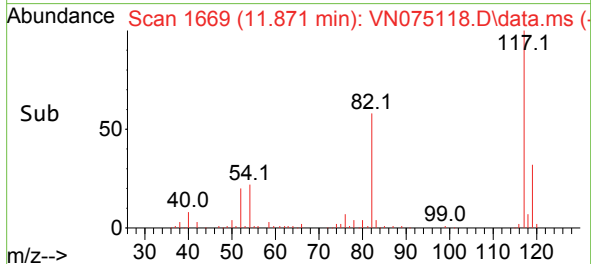
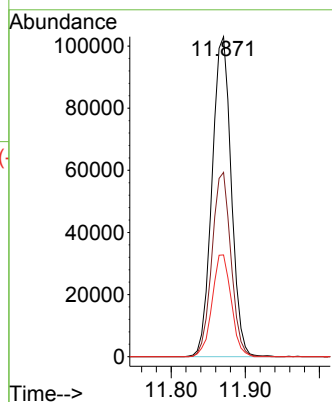
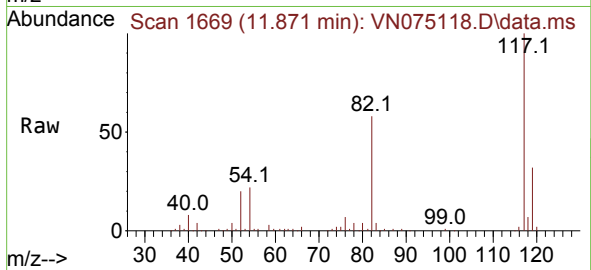




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

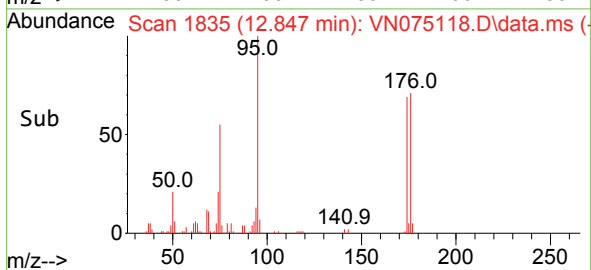
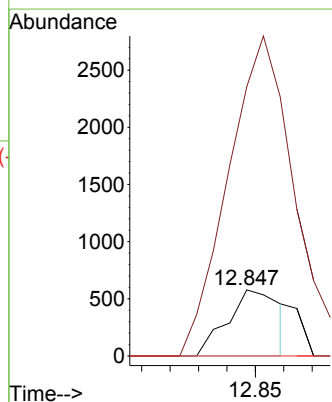
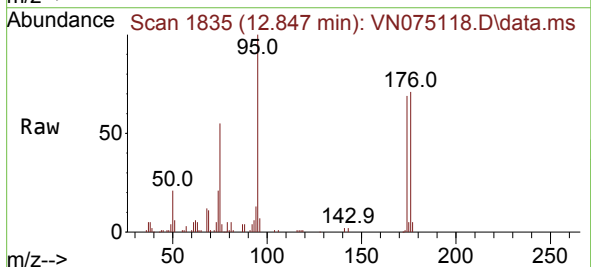
Instrument :
MSVOA_N
ClientSampleId :
TP-B

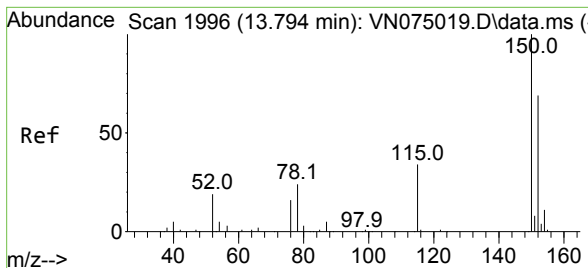
Tgt Ion:117 Resp: 185062
Ion Ratio Lower Upper
117 100
82 57.6 43.1 64.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.673 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 496.1 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: VN075118.D

Acq: 02 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

TP-B

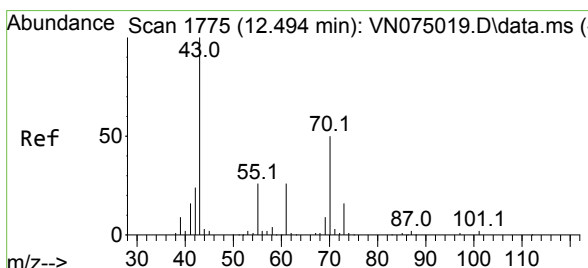
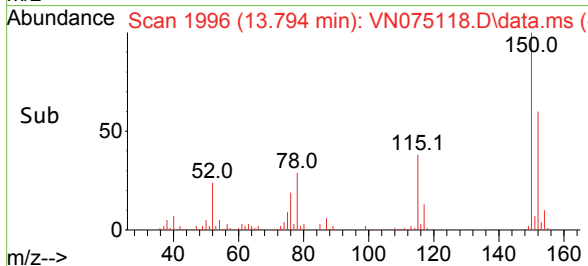
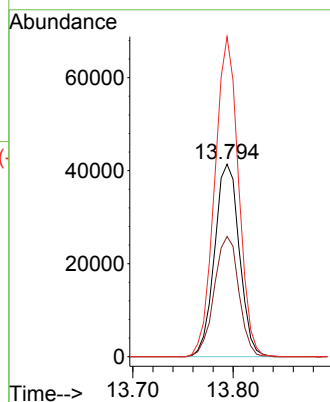
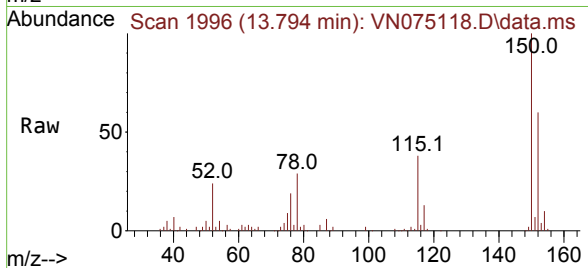
Tgt Ion:152 Resp: 70799

Ion Ratio Lower Upper

152 100

115 62.1 30.2 90.6

150 159.8 0.0 348.4



#74

N-ethyl acetate

Concen: 0.250 ug/l

RT: 12.482 min Scan# 1773

Delta R.T. -0.012 min

Lab File: VN075118.D

Acq: 02 Nov 2022 15:39

Tgt Ion: 43 Resp: 525

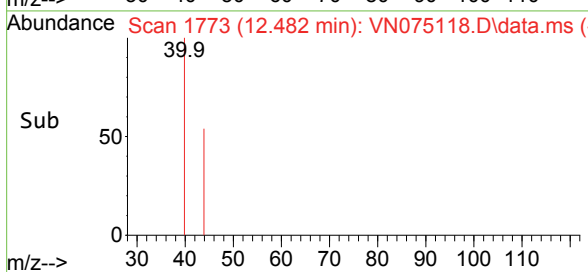
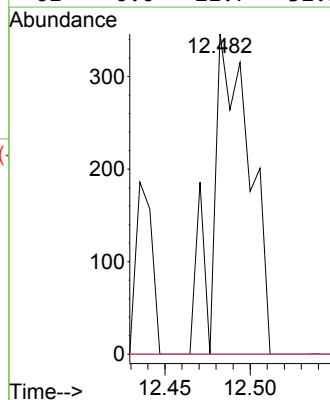
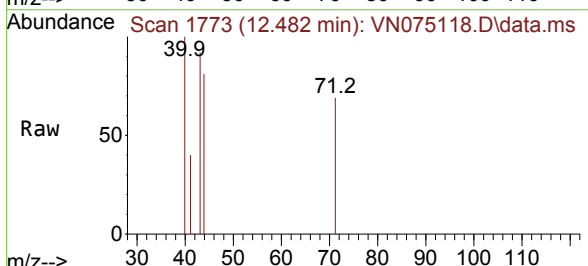
Ion Ratio Lower Upper

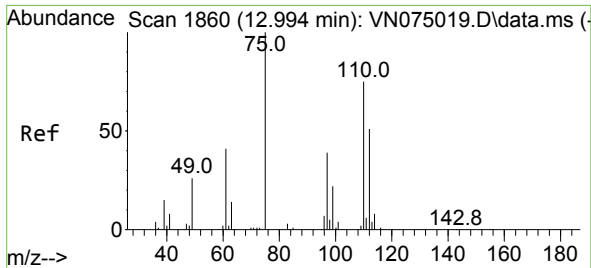
43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#

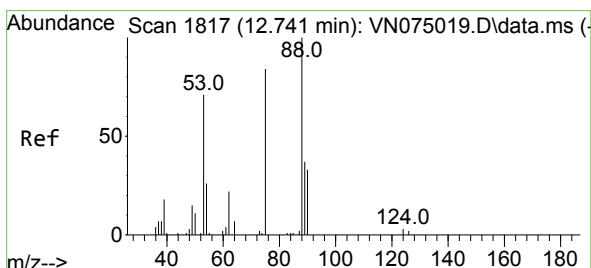
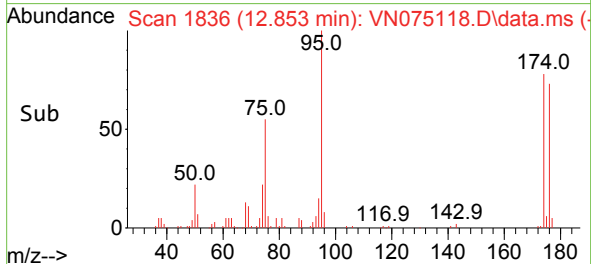
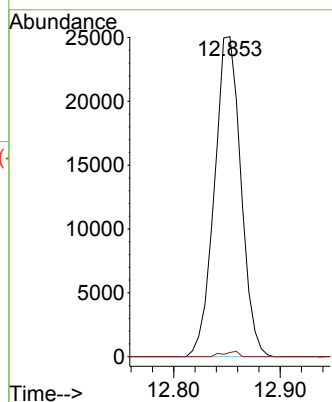
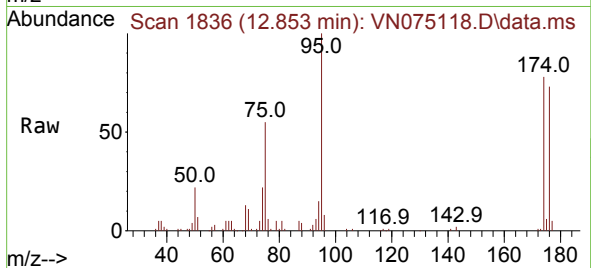




#76
1,2,3-Trichloropropane
Concen: 28.761 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :
TP-B

Tgt Ion: 75 Resp: 43235
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.829 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075118.D
Acq: 02 Nov 2022 15:39

Tgt Ion: 75 Resp: 43235
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

