

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076204.D
 Acq On : 11 Jan 2023 12:52
 Operator : JC\MD
 Sample : 01106-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

Quant Time: Jan 12 00:34:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

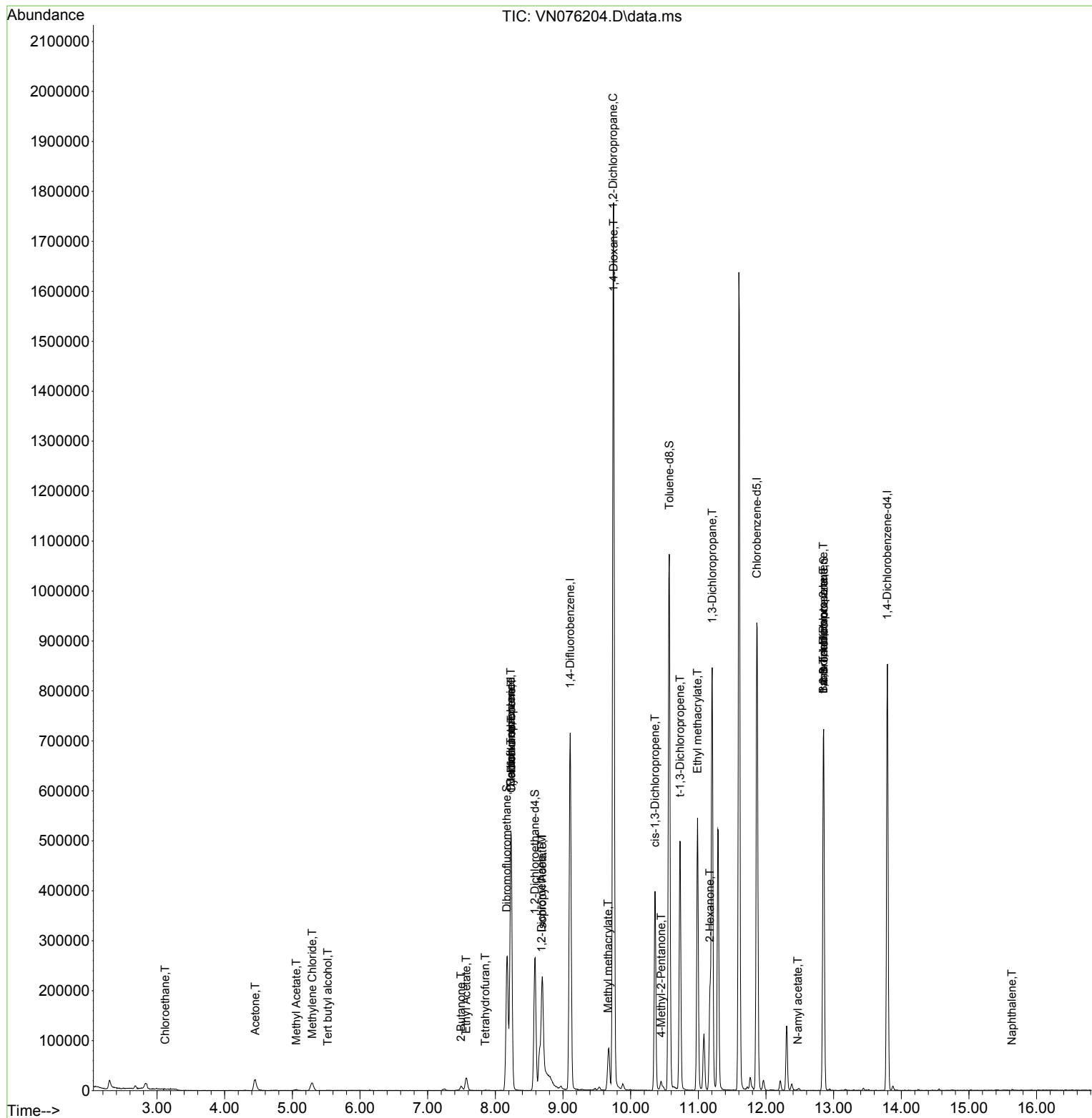
Internal Standards						
1) Pentafluorobenzene	8.230	168	406095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	654273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	581030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216282	48.955	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.920%		
35) Dibromofluoromethane	8.171	113	193395	47.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.460%		
50) Toluene-d8	10.571	98	761986	50.298	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.600%		
62) 4-Bromofluorobenzene	12.853	95	240430	47.917	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.840%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	1104	0.349	ug/l #	44
11) Tert butyl alcohol	5.524	59	1213	1.940	ug/l #	72
16) Acetone	4.453	43	42452	27.875	ug/l	98
18) Methyl Acetate	5.059	43	4101	0.911	ug/l #	80
20) Methylene Chloride	5.294	84	13355	2.672	ug/l	89
25) 2-Butanone	7.494	43	13387	6.278	ug/l #	85
29) Tetrahydrofuran	7.853	42	688	0.515	ug/l #	39
31) Cyclohexane	8.235	56	8107	1.281	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	29690	5.516	ug/l #	49
37) Ethyl Acetate	7.571	43	38537	8.914	ug/l	99
38) Carbon Tetrachloride	8.230	117	39197	6.507	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1775	0.321	ug/l #	72
43) Isopropyl Acetate	8.694	43	384162	53.866	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	2334	0.578	ug/l #	43
48) Methyl methacrylate	9.665	41	4656	1.450	ug/l #	36
49) 1,4-Dioxane	9.747	88	151	1.912	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	17025	3.947	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	1244	0.216	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	79489	12.583	ug/l #	63
56) Ethyl methacrylate	10.988	69	1806	0.320	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10280	1.476	ug/l #	42
59) 2-Hexanone	11.171	43	152619	48.522	ug/l #	20
71) Bromoform	12.847	173	1603	0.499	ug/l #	1
74) N-amyl acetate	12.470	43	2890	0.571	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	123797	25.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	123797	92.619	ug/l #	12
95) Naphthalene	15.635	128	1972	2.323	ug/l #	85

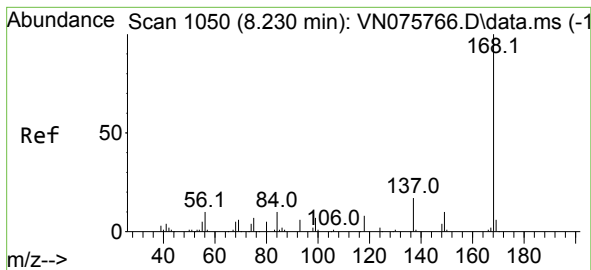
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

Instrument :

MSVOA_N

ClientSampleId :

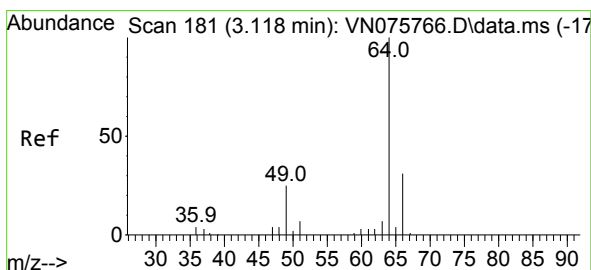
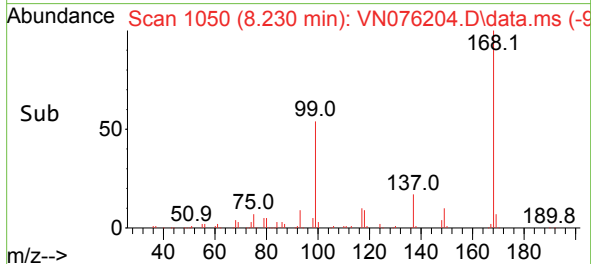
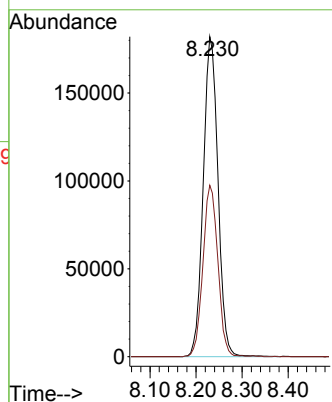
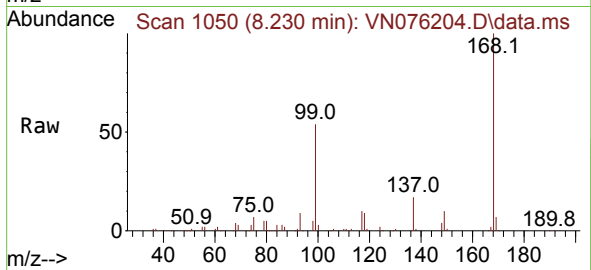
TP-B

Tgt Ion:168 Resp: 406095

Ion Ratio Lower Upper

168 100

99 53.6 44.2 66.4



#6

Chloroethane

Concen: 0.349 ug/l

RT: 3.118 min Scan# 181

Delta R.T. -0.000 min

Lab File: VN076204.D

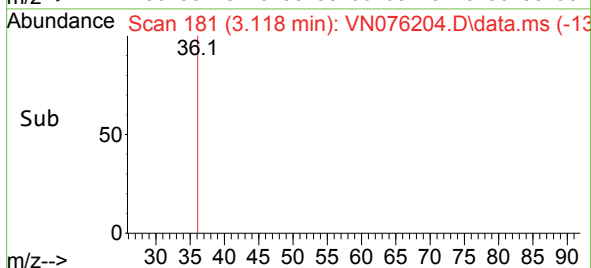
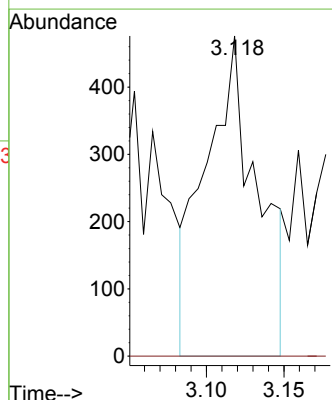
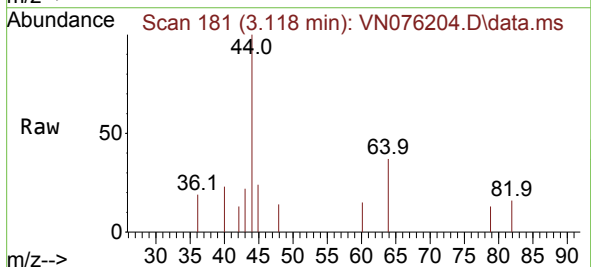
Acq: 11 Jan 2023 12:52

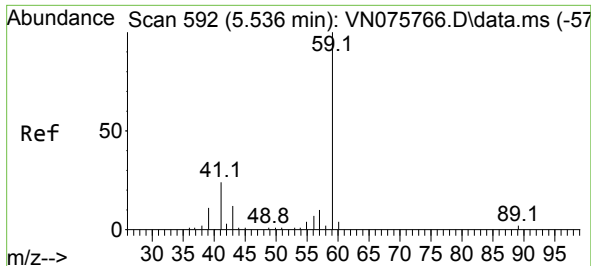
Tgt Ion: 64 Resp: 1104

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

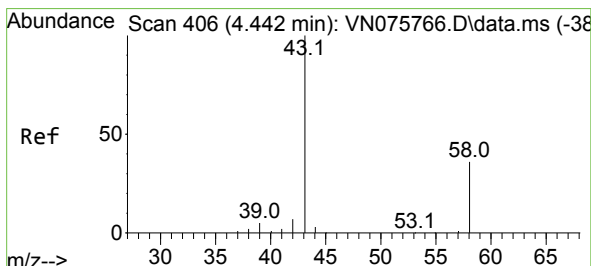
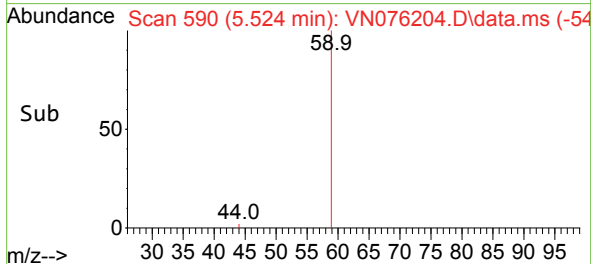
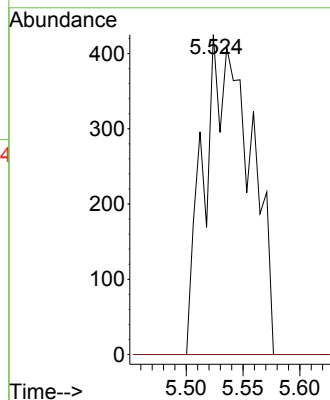
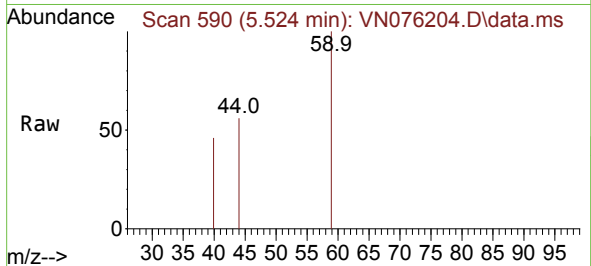




#11
Tert butyl alcohol
Concen: 1.940 ug/l
RT: 5.524 min Scan# 59
Delta R.T. -0.012 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

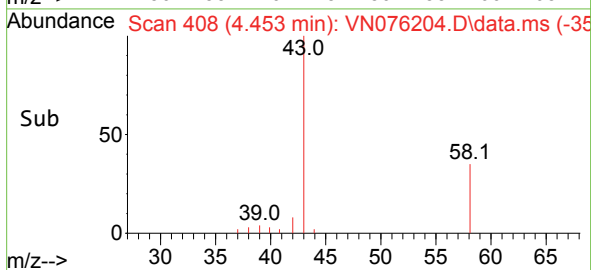
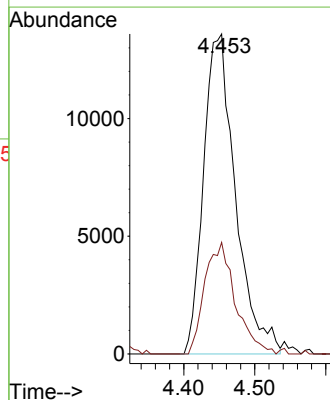
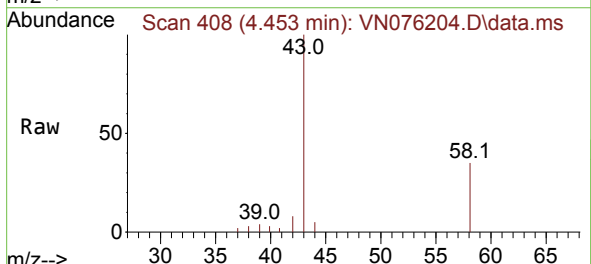
Instrument :
MSVOA_N
ClientSampleId :
TP-B

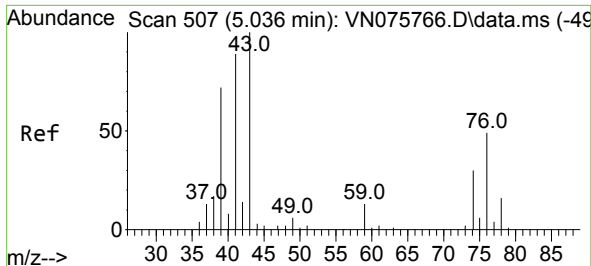
Tgt Ion: 59 Resp: 1213
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 27.875 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 43 Resp: 42452
Ion Ratio Lower Upper
43 100
58 34.9 28.6 43.0

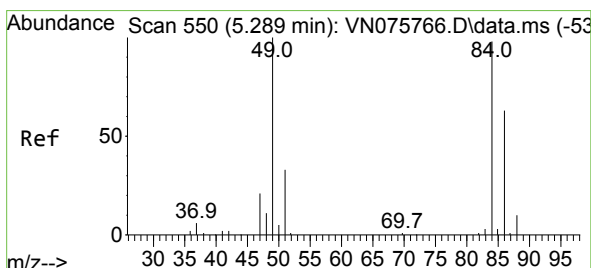
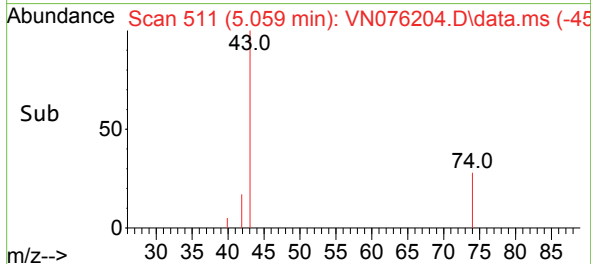
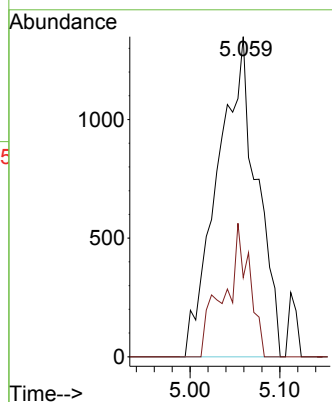
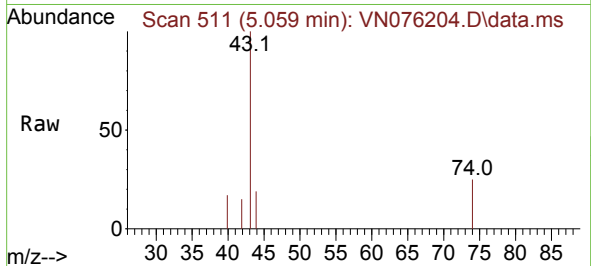




#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

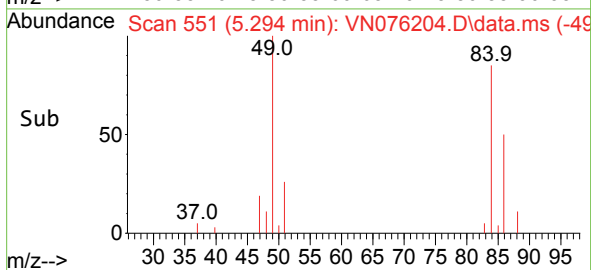
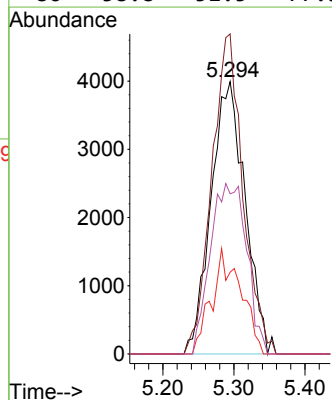
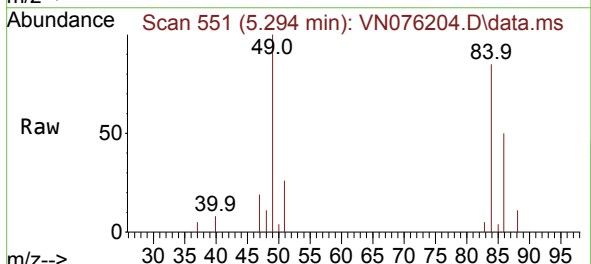
Instrument :
MSVOA_N
ClientSampleId :
TP-B

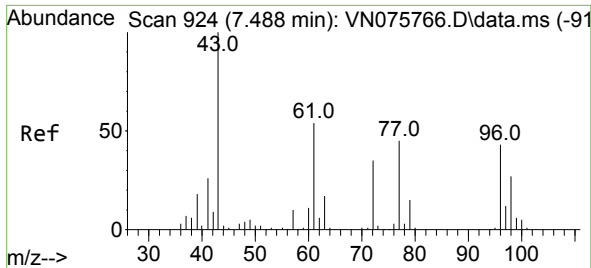
Tgt Ion: 43 Resp: 4101
Ion Ratio Lower Upper
43 100
74 19.0 23.6 35.4#



#20
Methylene Chloride
Concen: 2.672 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 84 Resp: 13355
Ion Ratio Lower Upper
84 100
49 117.5 81.8 122.6
51 30.0 26.7 40.1
86 58.8 51.5 77.3

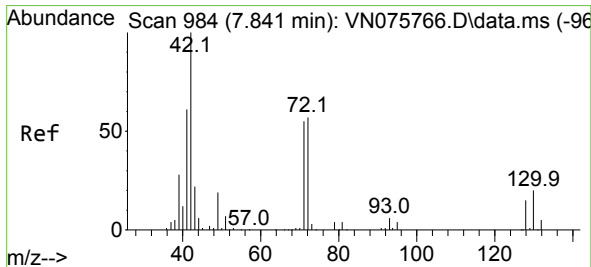
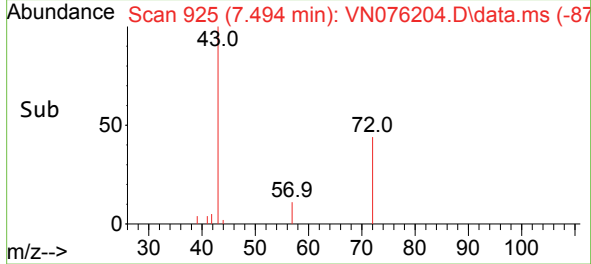
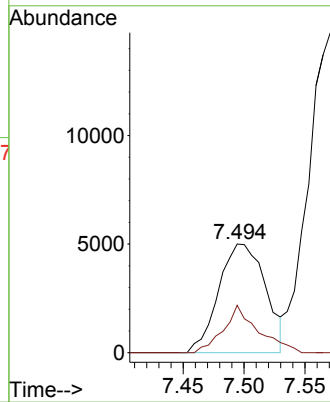
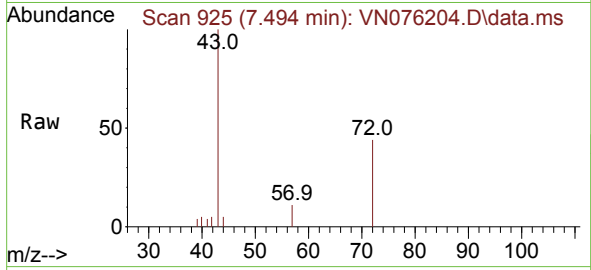




#25
2-Butanone
Concen: 6.278 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

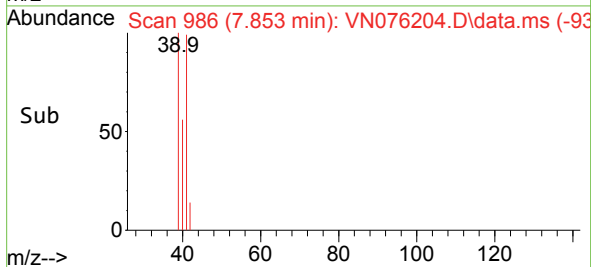
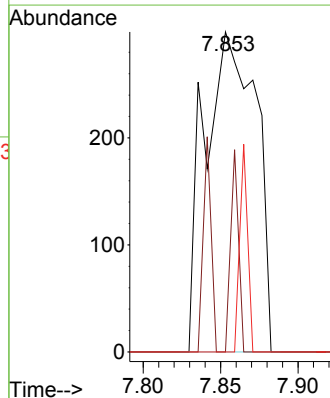
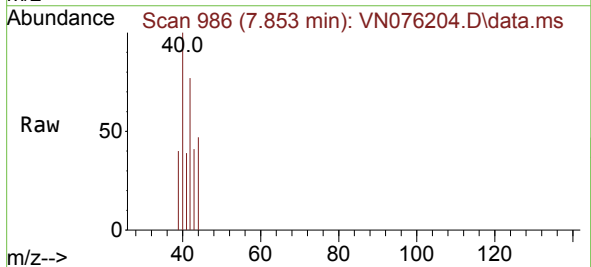
Instrument :
MSVOA_N
ClientSampleId :
TP-B

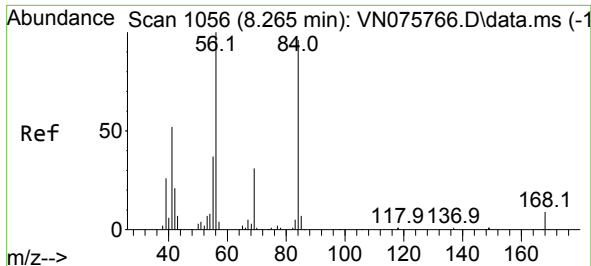
Tgt Ion: 43 Resp: 13387
Ion Ratio Lower Upper
43 100
72 43.6 28.0 42.0#



#29
Tetrahydrofuran
Concen: 0.515 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

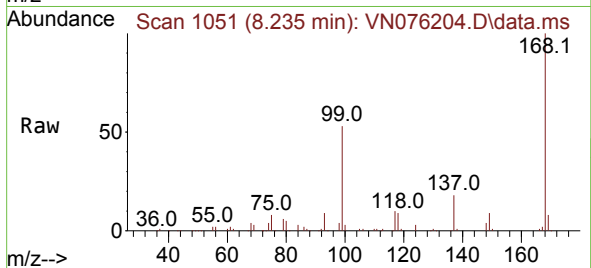
Tgt Ion: 42 Resp: 688
Ion Ratio Lower Upper
42 100
72 9.7 44.5 66.7#
71 9.9 41.0 61.6#



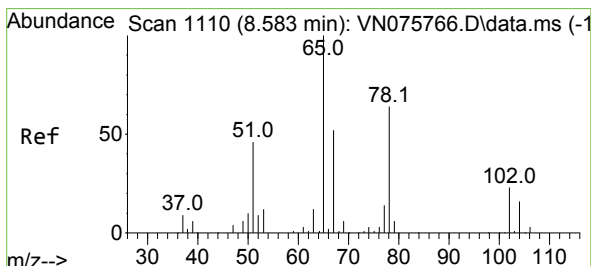
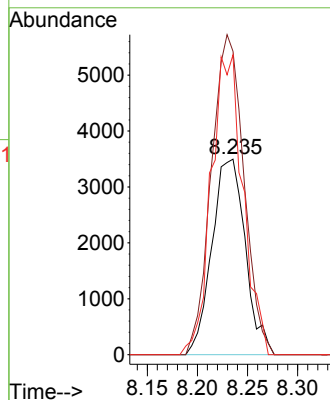
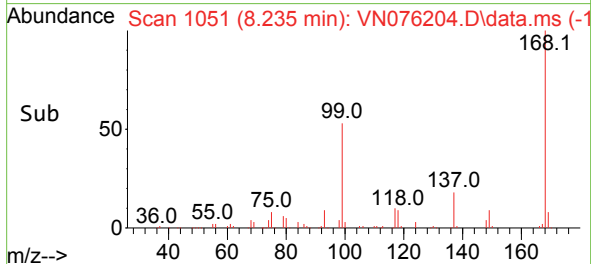


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Instrument :
MSVOA_N
ClientSampleId :
TP-B

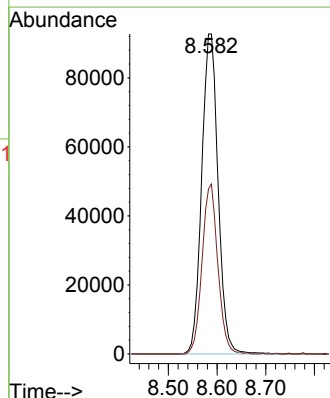
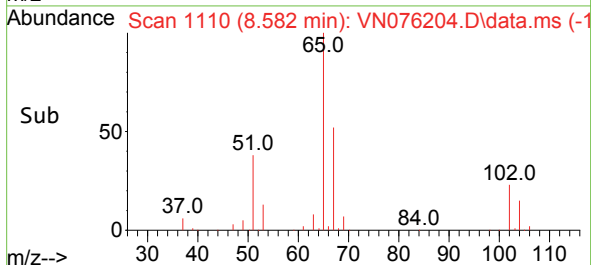
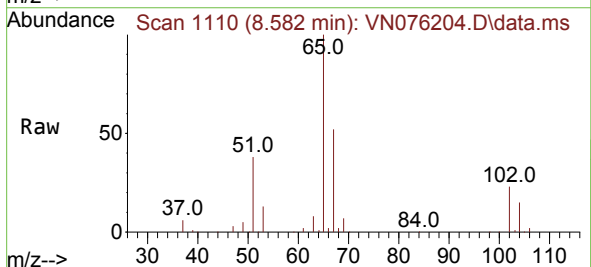


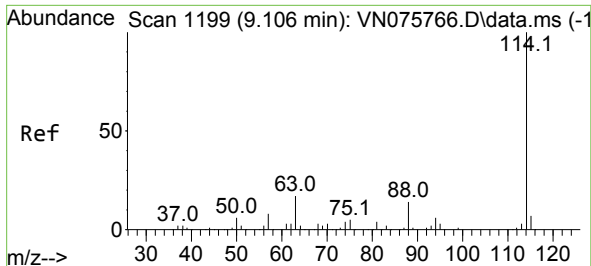
Tgt Ion: 56 Resp: 8107
Ion Ratio Lower Upper
56 100
69 155.2 24.7 37.1#
84 153.4 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.955 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 65 Resp: 216282
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

Instrument :

MSVOA_N

ClientSampleId :

TP-B

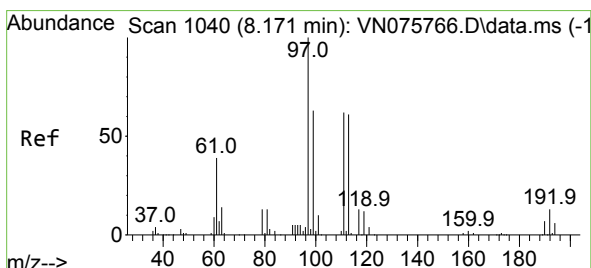
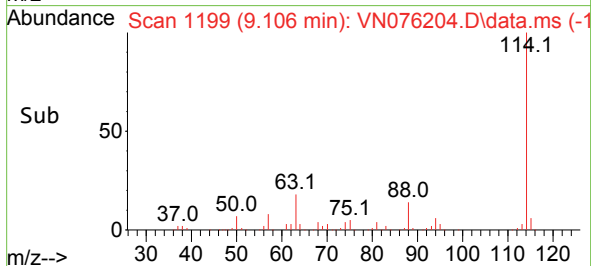
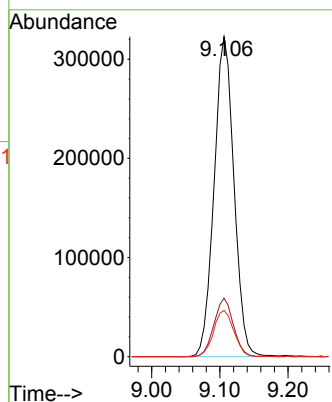
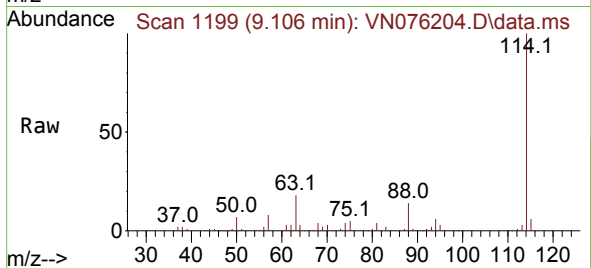
Tgt Ion:114 Resp: 654273

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.730 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

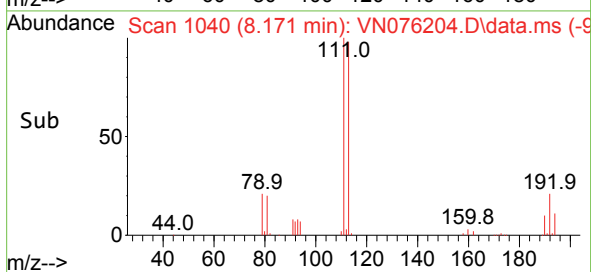
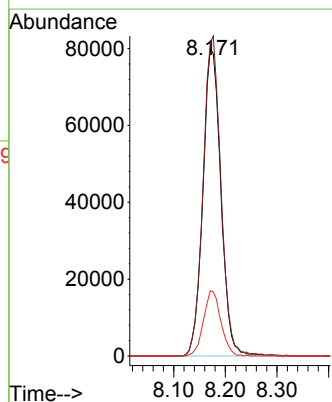
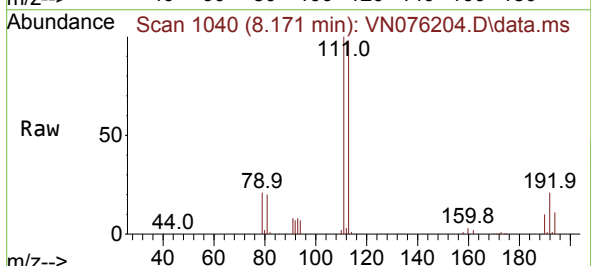
Tgt Ion:113 Resp: 193395

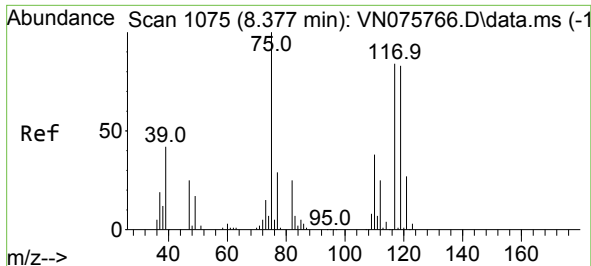
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 20.5 16.1 24.1

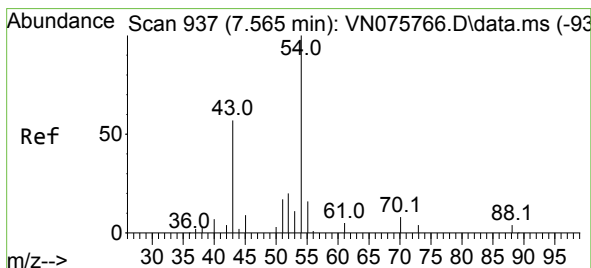
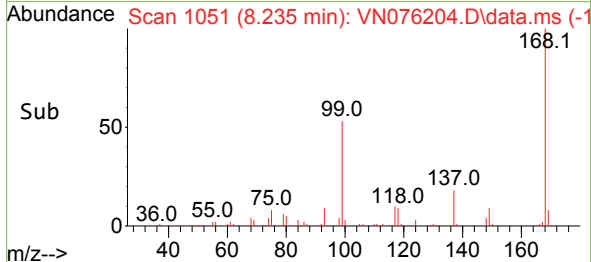
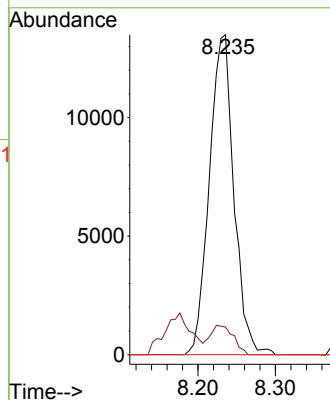
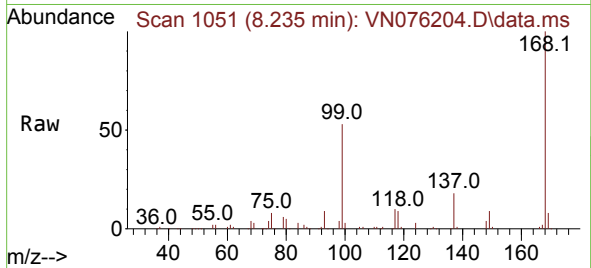




#36
1,1-Dichloropropene
Concen: 5.516 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.141 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

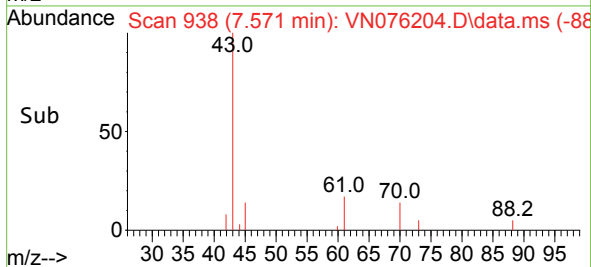
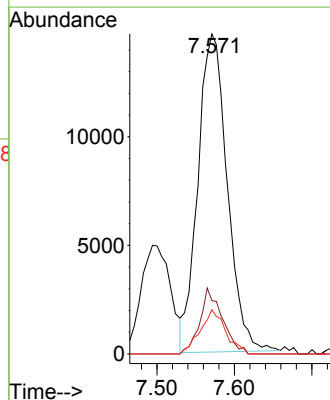
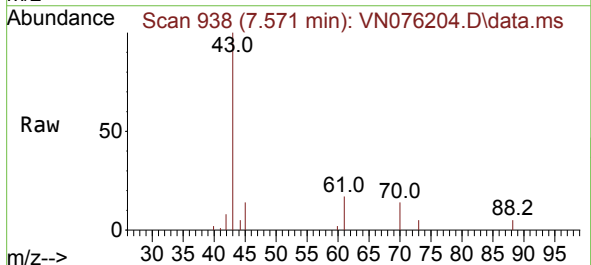
Instrument :
MSVOA_N
ClientSampleId :
TP-B

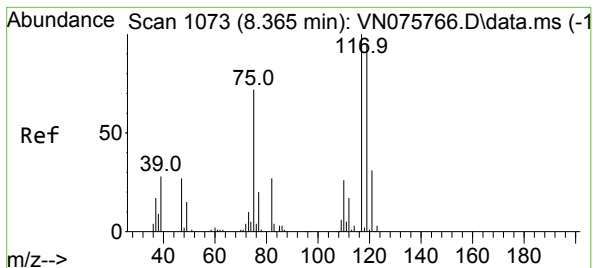
Tgt Ion: 75 Resp: 29690
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 8.914 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 43 Resp: 38537
Ion Ratio Lower Upper
43 100
61 15.9 13.0 19.4
70 12.1 9.4 14.0





#38

Carbon Tetrachloride

Concen: 6.507 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

Instrument :

MSVOA_N

ClientSampleId :

TP-B

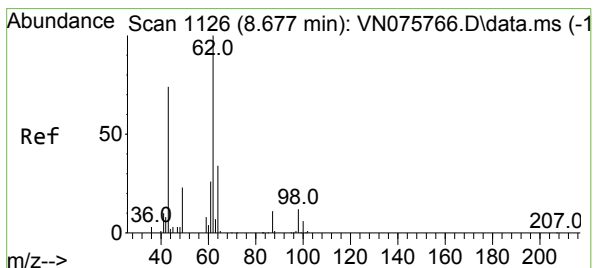
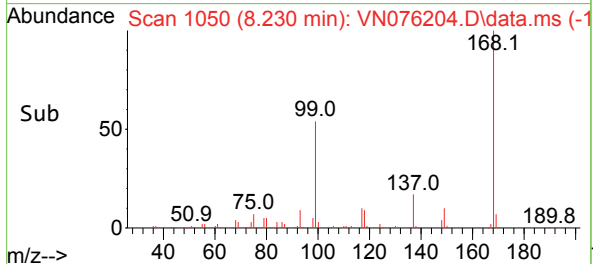
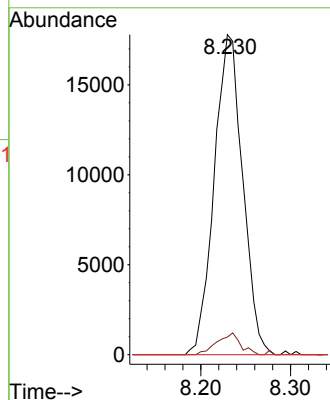
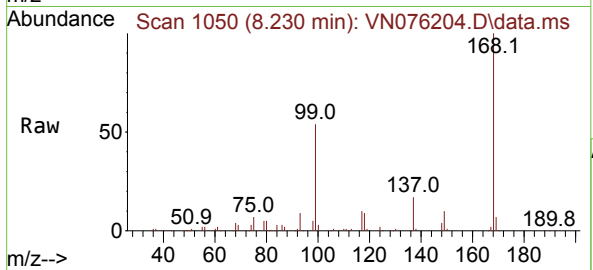
Tgt Ion:117 Resp: 39197

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

121 0.0 24.5 36.7#



#42

1,2-Dichloroethane

Concen: 0.321 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN076204.D

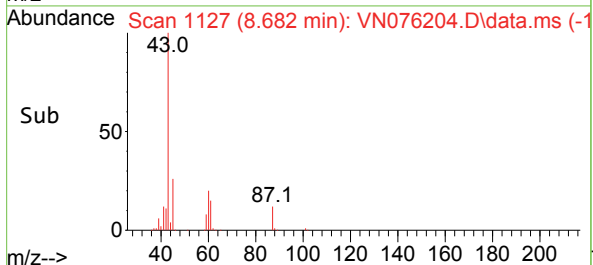
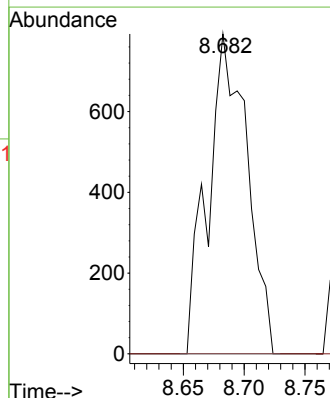
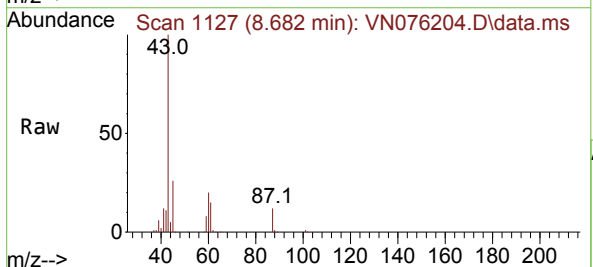
Acq: 11 Jan 2023 12:52

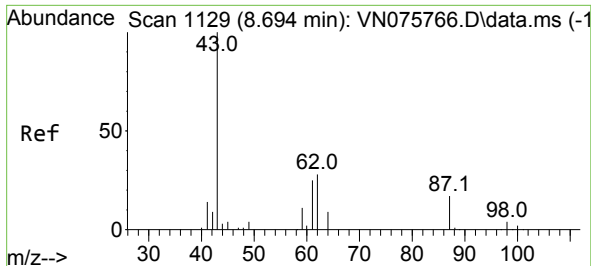
Tgt Ion: 62 Resp: 1775

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

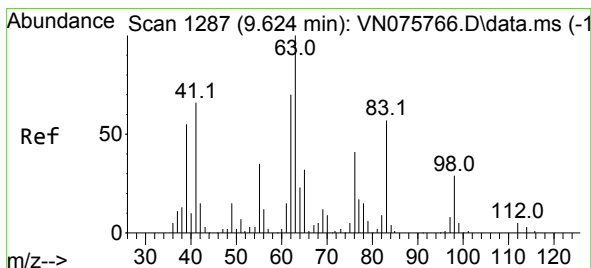
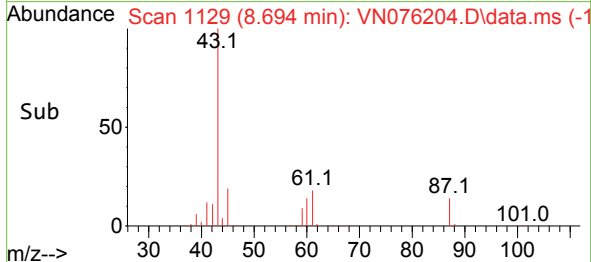
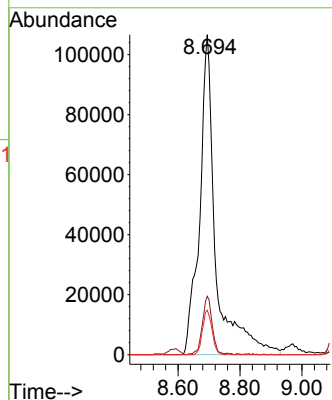
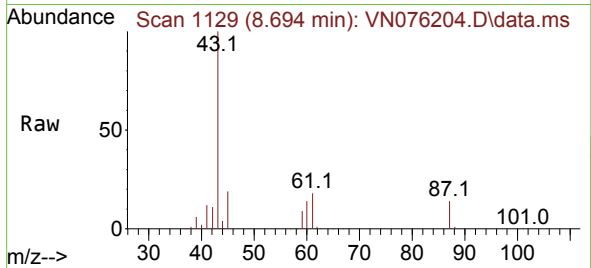




#43
Isopropyl Acetate
Concen: 53.866 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

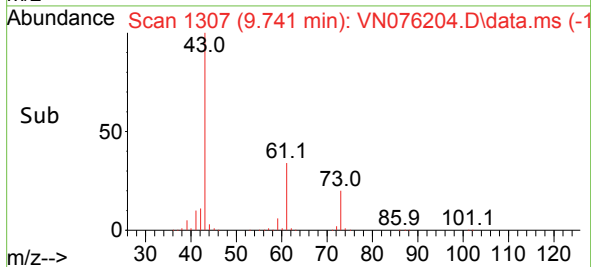
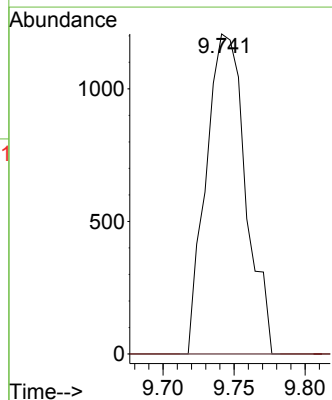
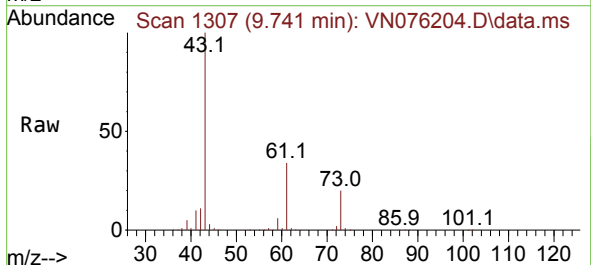
Instrument :
MSVOA_N
ClientSampleId :
TP-B

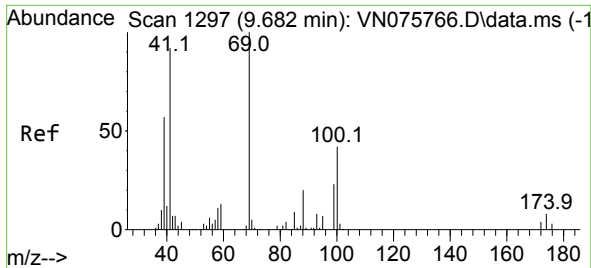
Tgt Ion: 43 Resp: 384162
Ion Ratio Lower Upper
43 100
61 11.1 24.2 36.4#
87 8.2 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.578 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 63 Resp: 2334
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

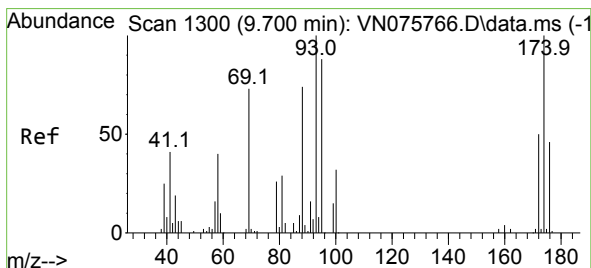
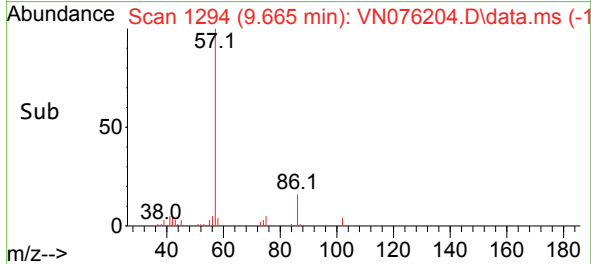
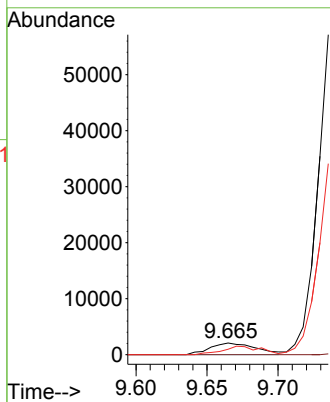
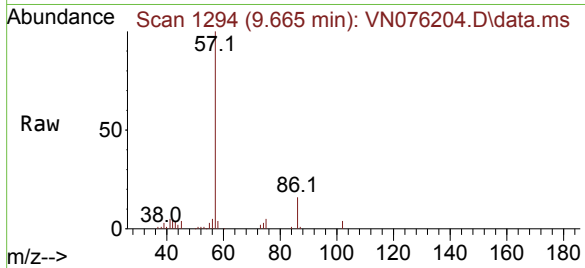




#48
Methyl methacrylate
Concen: 1.450 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

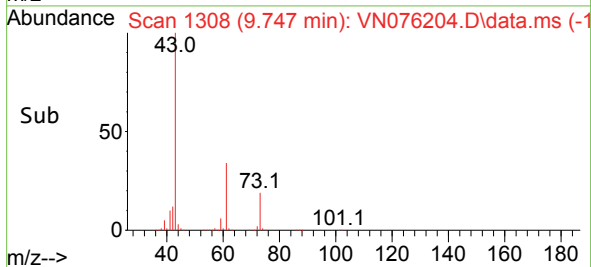
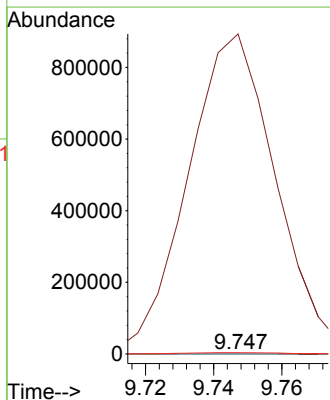
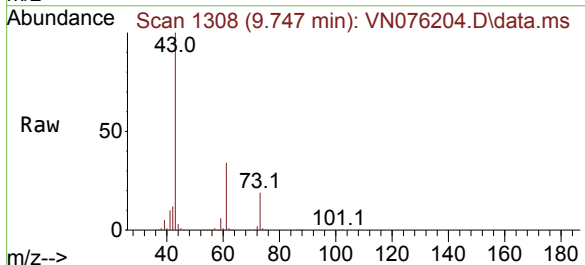
Instrument :
MSVOA_N
ClientSampleId :
TP-B

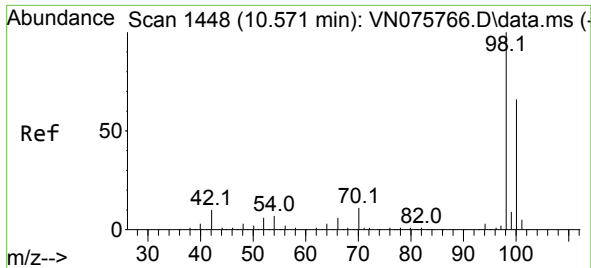
Tgt Ion: 41 Resp: 4656
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 60.8 51.6 77.4



#49
1,4-Dioxane
Concen: 1.912 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 1072054.3 17.1 25.7#
58 4990.7 47.8 71.8#

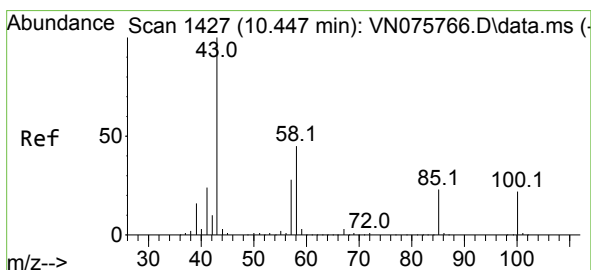
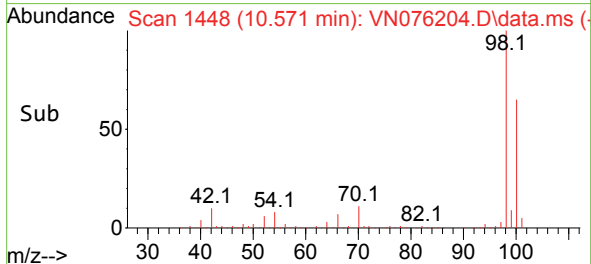
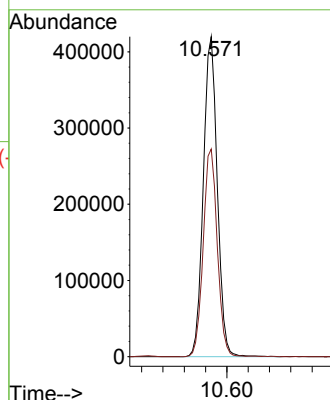
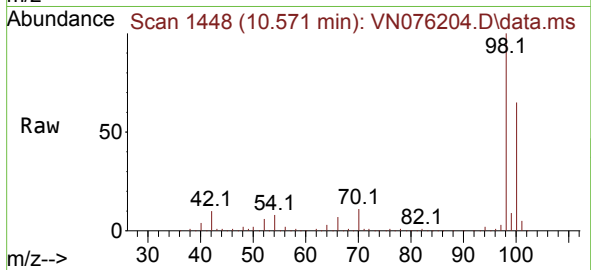




#50
Toluene-d8
Concen: 50.298 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

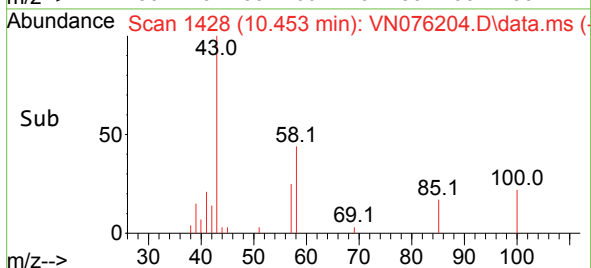
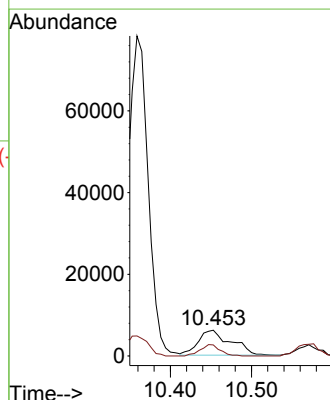
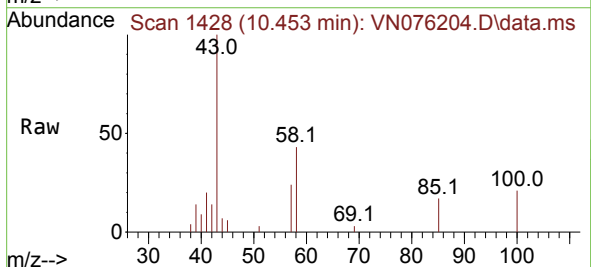
Instrument :
MSVOA_N
ClientSampleId :
TP-B

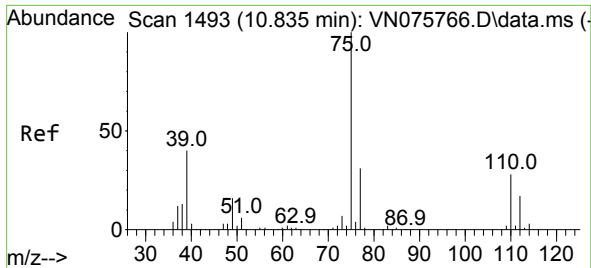
Tgt Ion: 98 Resp: 761986
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.947 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 43 Resp: 17025
Ion Ratio Lower Upper
43 100
58 27.7 35.5 53.3#

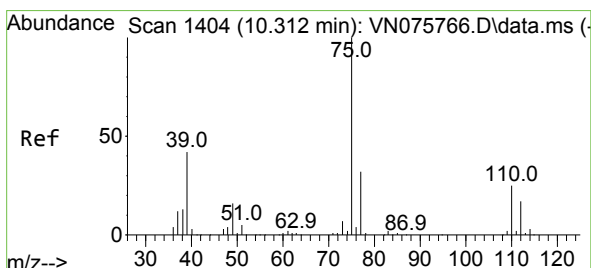
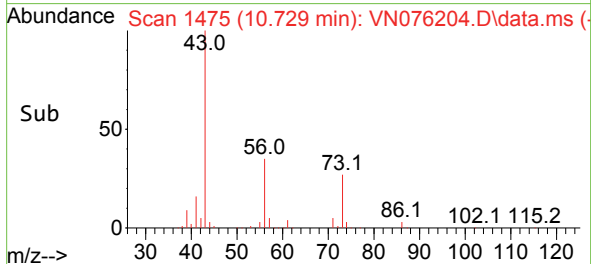
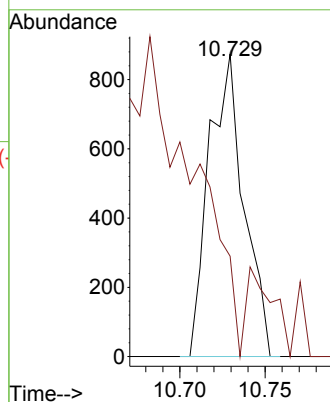
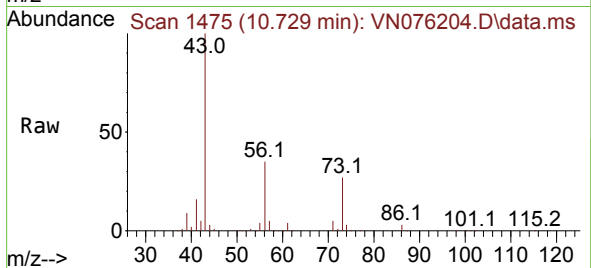




#53
 t-1,3-Dichloropropene
 Concen: 0.216 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076204.D
 Acq: 11 Jan 2023 12:52

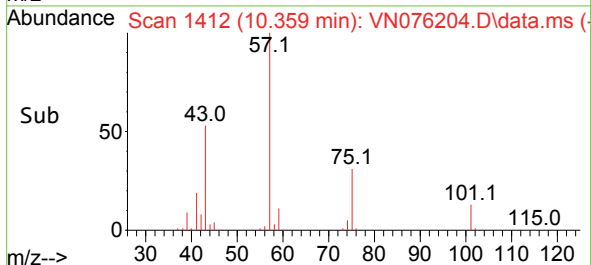
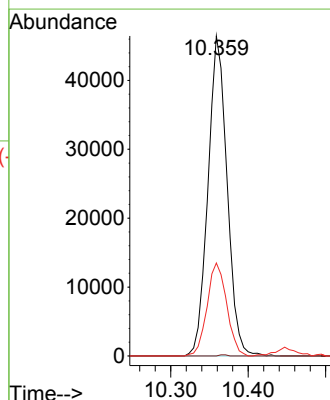
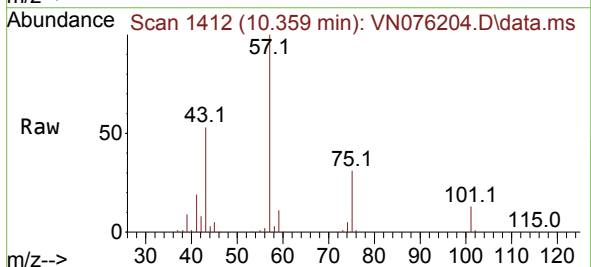
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

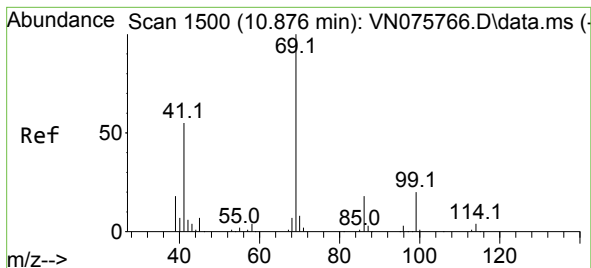
Tgt Ion: 75 Resp: 1244
 Ion Ratio Lower Upper
 75 100
 77 14.2 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.583 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076204.D
 Acq: 11 Jan 2023 12:52

Tgt Ion: 75 Resp: 79489
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 29.0 33.4 50.2#





#56

Ethyl methacrylate

Concen: 0.320 ug/l

RT: 10.988 min Scan# 1519

Delta R.T. 0.112 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

Instrument :

MSVOA_N

ClientSampleId :

TP-B

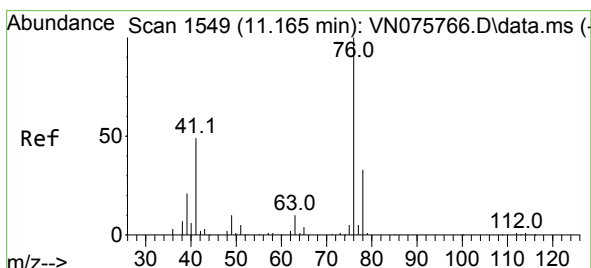
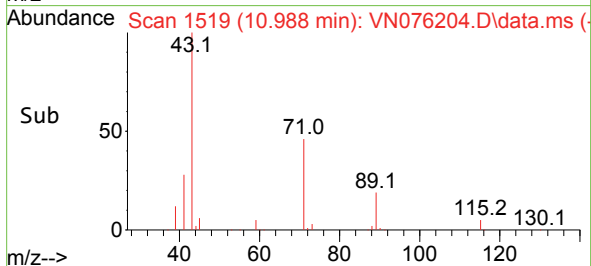
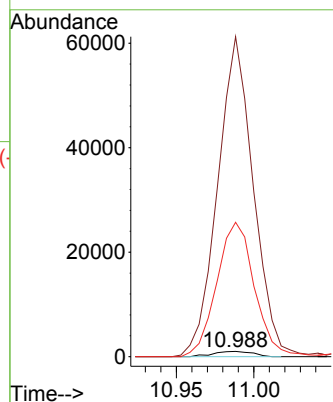
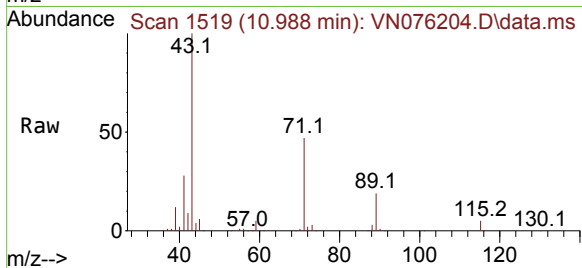
Tgt Ion: 69 Resp: 1806

Ion Ratio Lower Upper

69 100

41 5451.9 44.2 66.4#

39 2417.8 26.4 39.6#



#57

1,3-Dichloropropane

Concen: 1.476 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076204.D

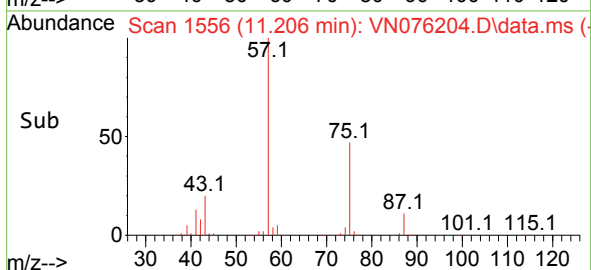
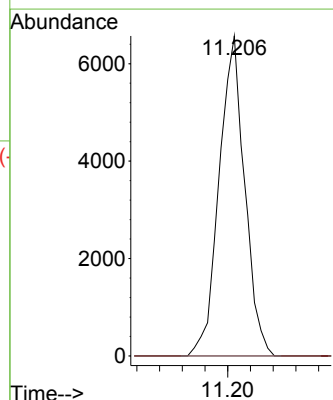
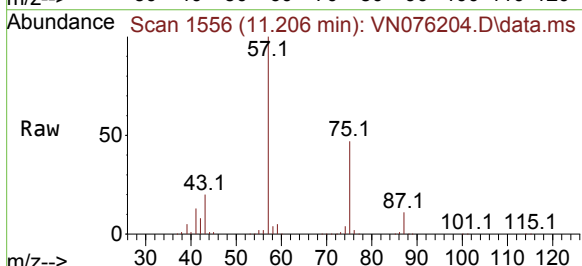
Acq: 11 Jan 2023 12:52

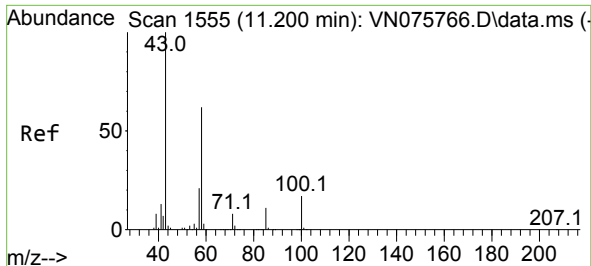
Tgt Ion: 76 Resp: 10280

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#

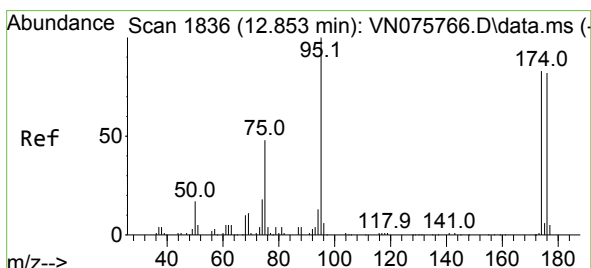
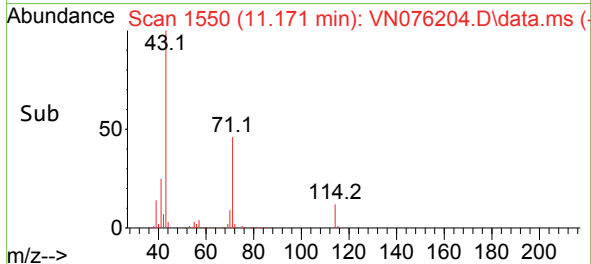
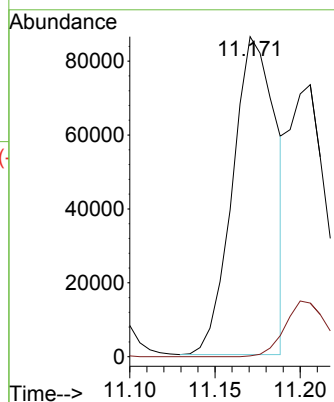
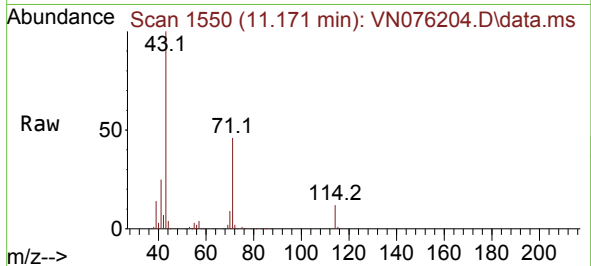




#59
2-Hexanone
Concen: 48.522 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

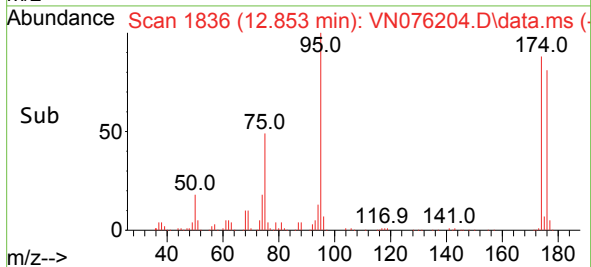
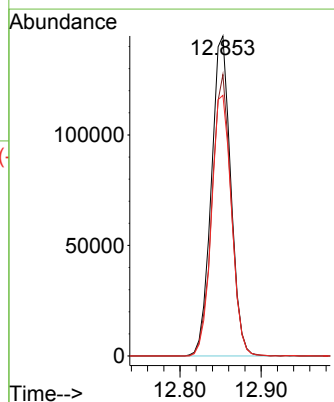
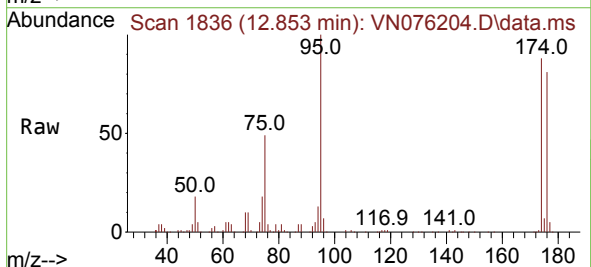
Instrument :
MSVOA_N
ClientSampleId :
TP-B

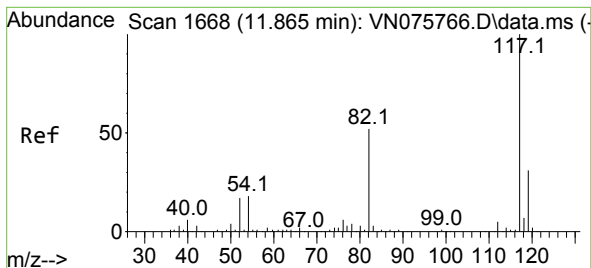
Tgt Ion: 43 Resp: 152619
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.917 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 95 Resp: 240430
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 83.9 0.0 169.2

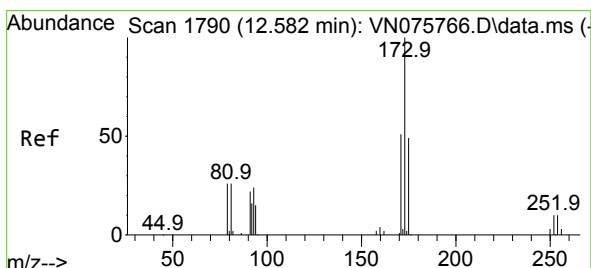
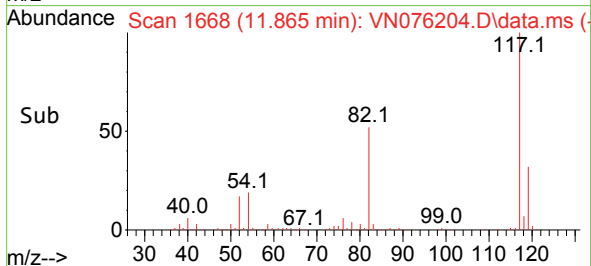
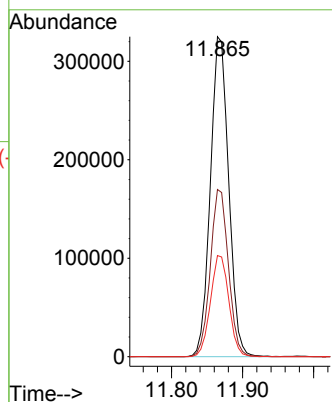
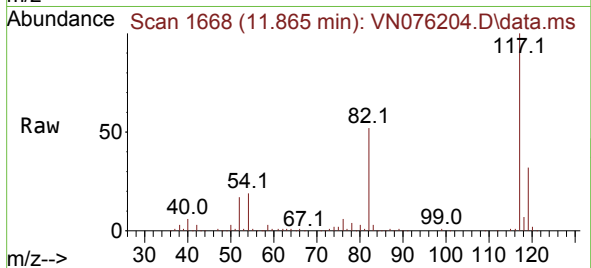




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

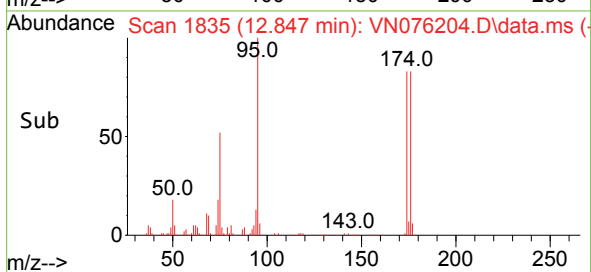
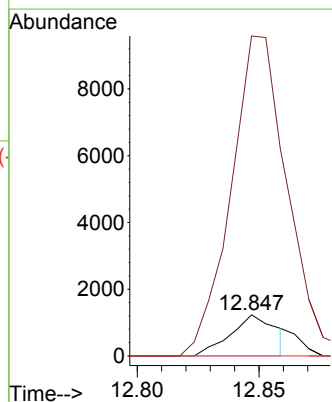
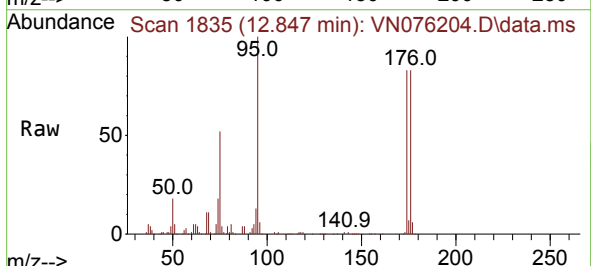
Instrument :
MSVOA_N
ClientSampleId :
TP-B

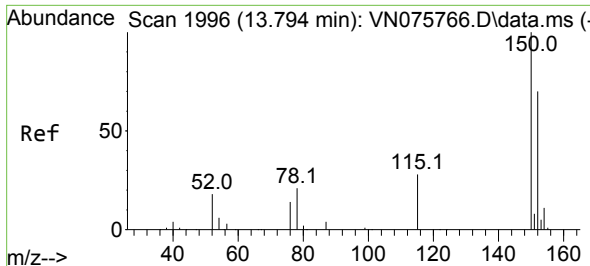
Tgt Ion:117 Resp: 581030
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 31.6 24.6 37.0



#71
Bromoform
Concen: 0.499 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion:173 Resp: 1603
Ion Ratio Lower Upper
173 100
175 814.2 24.3 72.8#
254 0.0 0.0 0.0

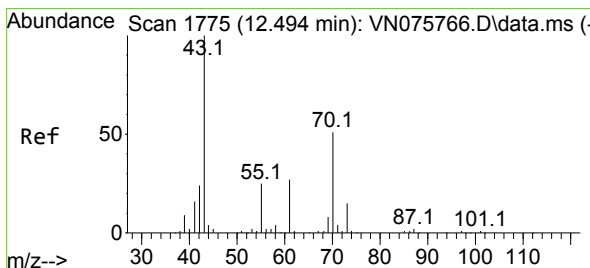
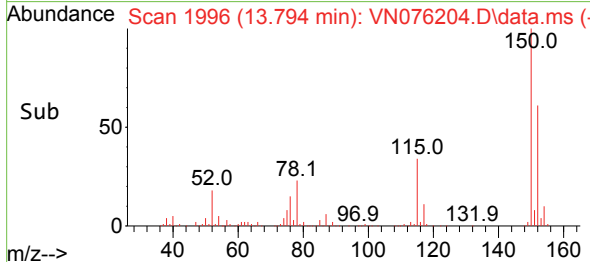
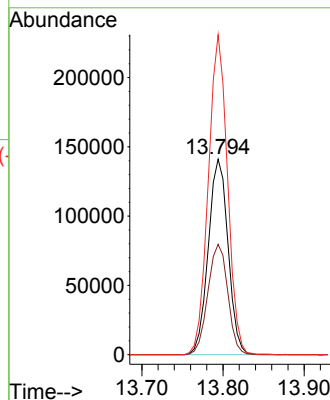
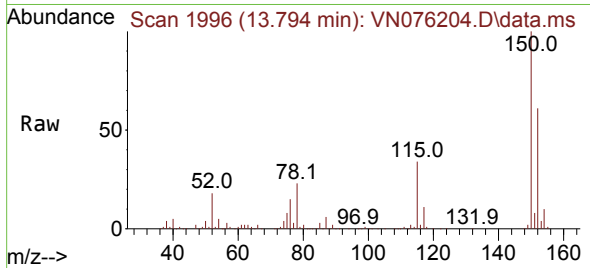




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

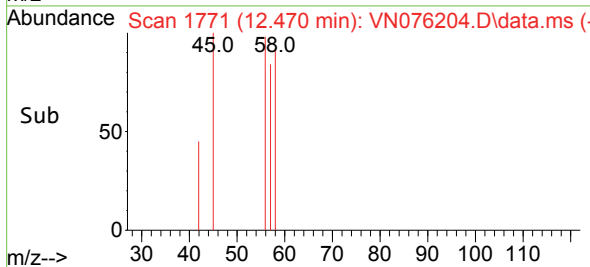
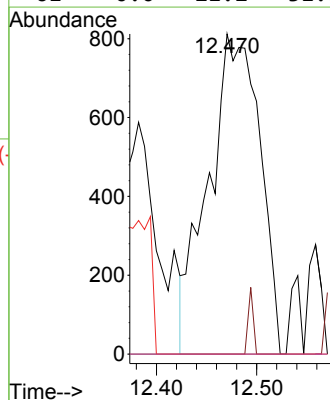
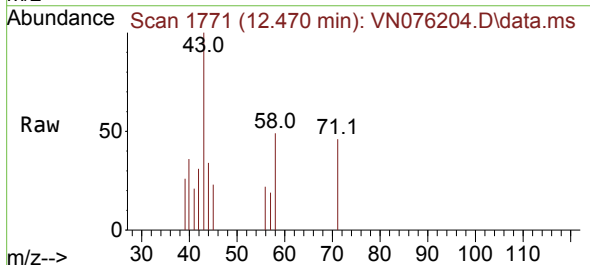
Instrument :
MSVOA_N
ClientSampleId :
TP-B

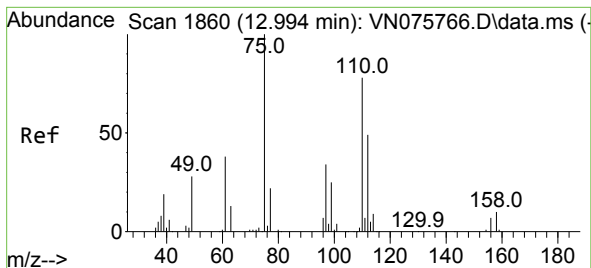
Tgt Ion:152 Resp: 238678
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 158.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.571 ug/l
RT: 12.470 min Scan# 1771
Delta R.T. -0.024 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Tgt Ion: 43 Resp: 2890
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#





#76

1,2,3-Trichloropropane

Concen: 25.731 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

Instrument :

MSVOA_N

ClientSampleId :

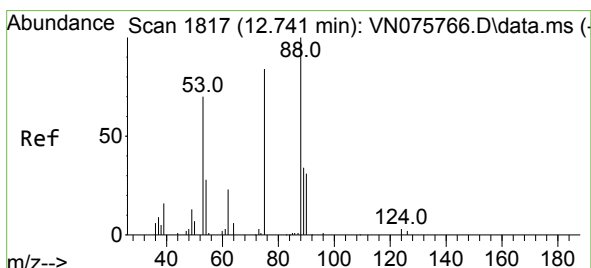
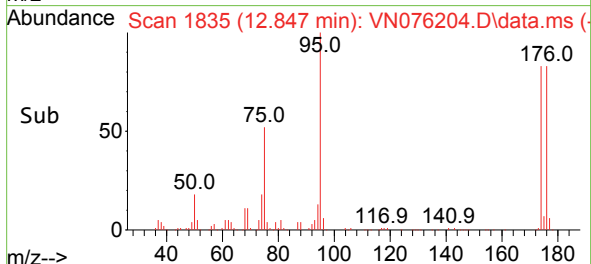
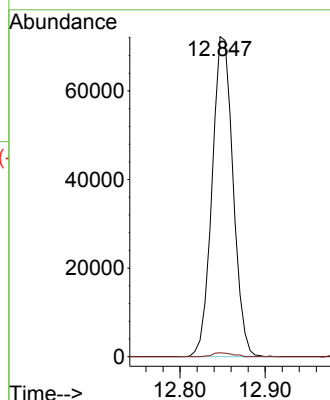
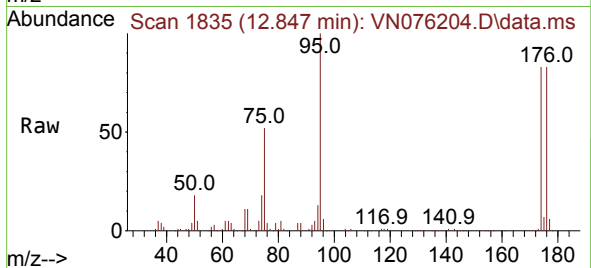
TP-B

Tgt Ion: 75 Resp: 123797

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.619 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.106 min

Lab File: VN076204.D

Acq: 11 Jan 2023 12:52

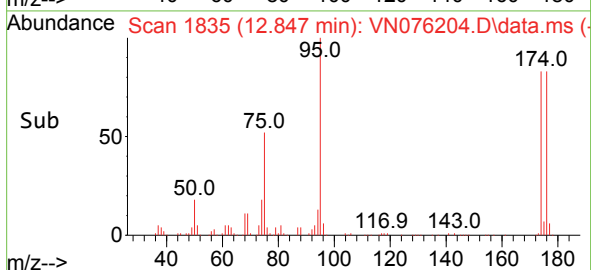
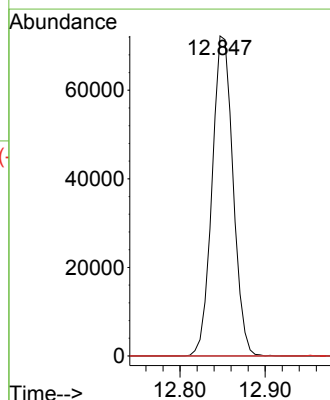
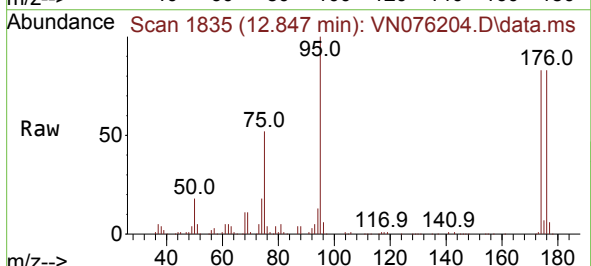
Tgt Ion: 75 Resp: 123797

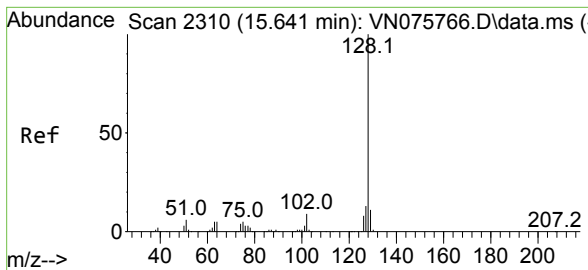
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.323 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076204.D
Acq: 11 Jan 2023 12:52

Instrument :
MSVOA_N
ClientSampleId :
TP-B

Tgt Ion:	128	Resp:	1972
Ion	Ratio	Lower	Upper
128	100		
127	3.4	10.4	15.6#
129	12.4	8.7	13.1

