

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076165.D
 Acq On : 09 Jan 2023 18:52
 Operator : JC\MD
 Sample : 01053-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-201

Quant Time: Jan 10 01:11:49 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)

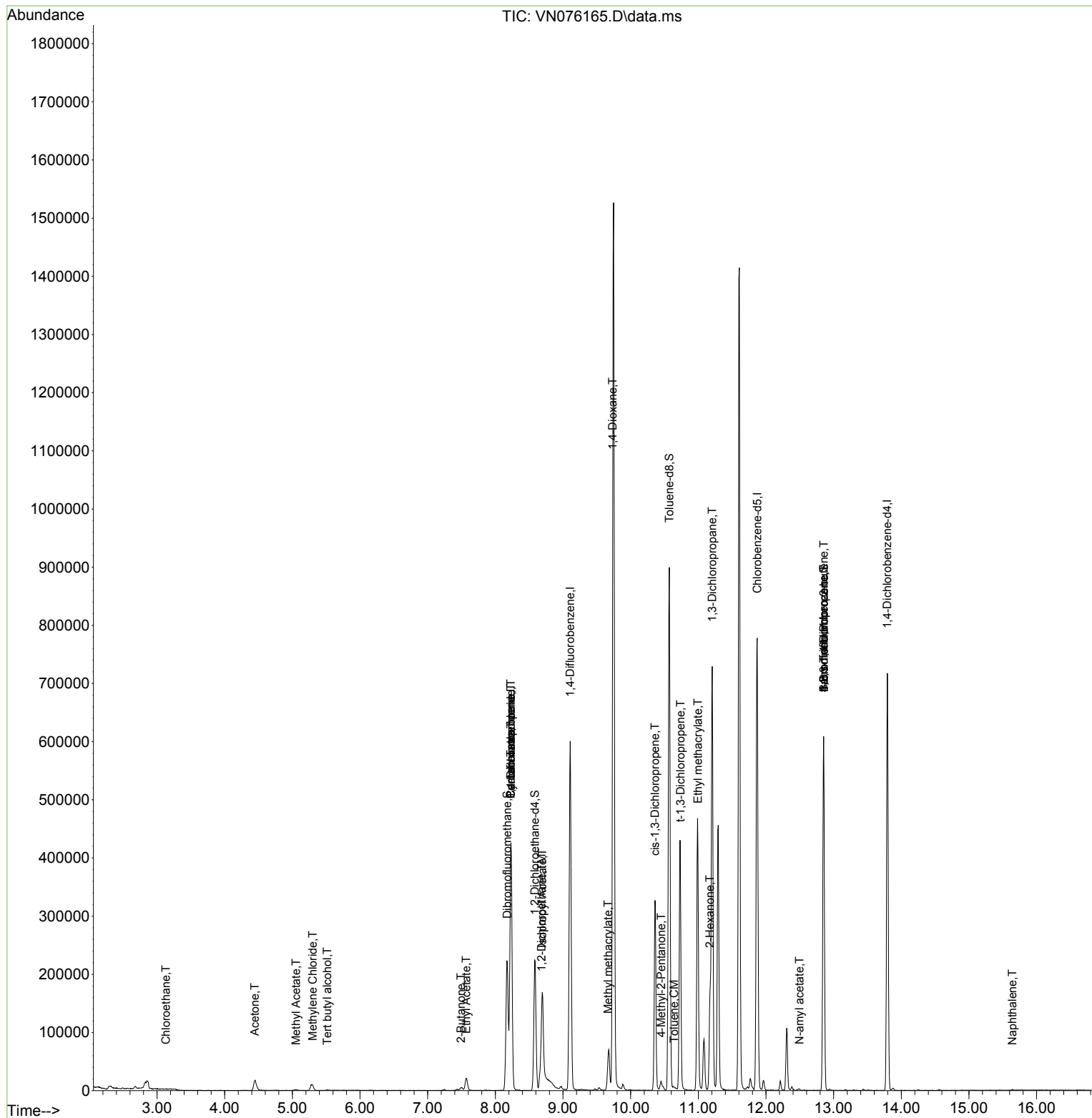
Internal Standards						
1) Pentafluorobenzene	8.230	168	337617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	540663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	481042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181438	49.398	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.800%
35) Dibromofluoromethane	8.177	113	161990	48.381	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.571	98	635042	50.727	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.853	95	197452	47.621	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.240%
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	913	0.347	ug/l #	44
11) Tert butyl alcohol	5.518	59	619	1.191	ug/l #	72
16) Acetone	4.447	43	34396	27.166	ug/l	98
18) Methyl Acetate	5.053	43	3211	0.858	ug/l #	63
20) Methylene Chloride	5.300	84	8738	1.965	ug/l #	95
25) 2-Butanone	7.494	43	8840	4.986	ug/l	94
31) Cyclohexane	8.230	56	6370	1.211	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	24546	5.519	ug/l #	51
37) Ethyl Acetate	7.571	43	32306	9.043	ug/l	98
38) Carbon Tetrachloride	8.230	117	33092	6.648	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1218	0.267	ug/l #	72
43) Isopropyl Acetate	8.694	43	246602	41.844	ug/l #	75
48) Methyl methacrylate	9.665	41	4153	1.565	ug/l #	36
49) 1,4-Dioxane	9.735	88	68	1.042	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14100	3.956	ug/l #	74
52) Toluene	10.641	92	2040	0.228	ug/l	89
53) t-1,3-Dichloropropene	10.735	75	1461	0.307	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	63931	12.246	ug/l #	65
56) Ethyl methacrylate	10.994	69	1082	0.232	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8183	1.422	ug/l #	42
59) 2-Hexanone	11.171	43	123155	47.382	ug/l #	20
71) Bromoform	12.853	173	1710	0.643	ug/l #	1
74) N-amyl acetate	12.494	43	1178	0.281	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	104189	26.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104189	94.052	ug/l #	12
95) Naphthalene	15.641	128	1709	2.329	ug/l #	80

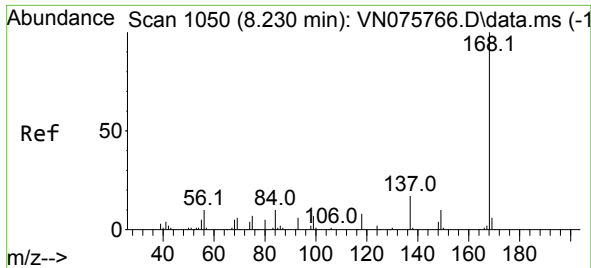
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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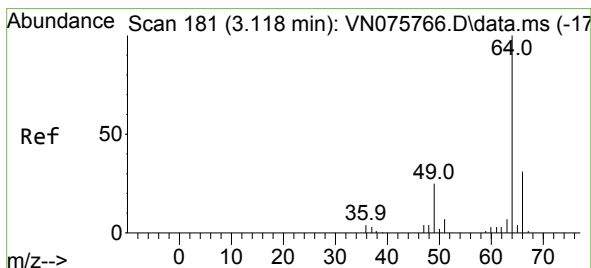
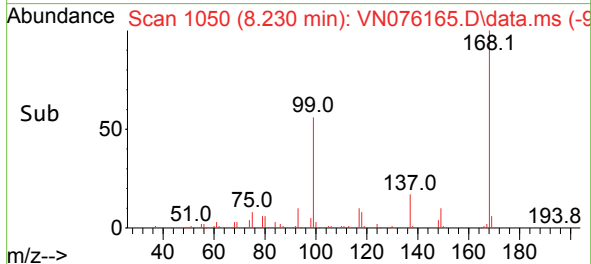
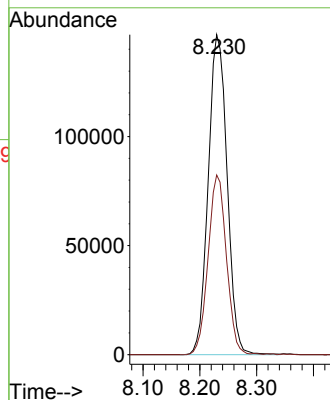
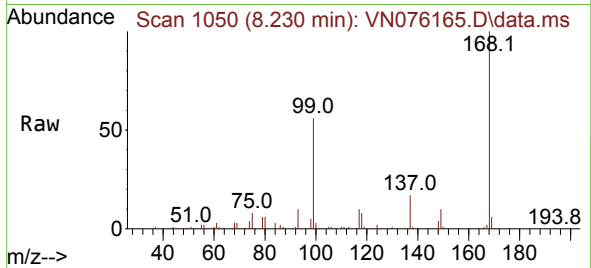




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

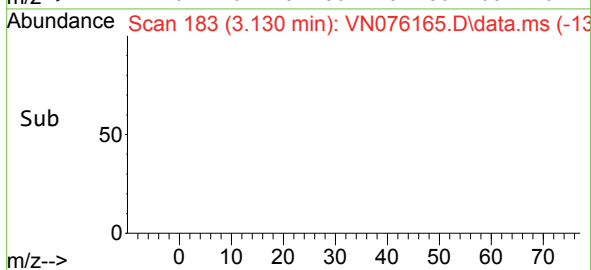
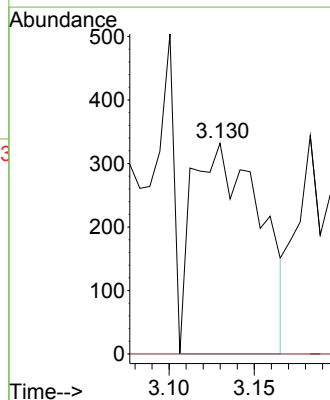
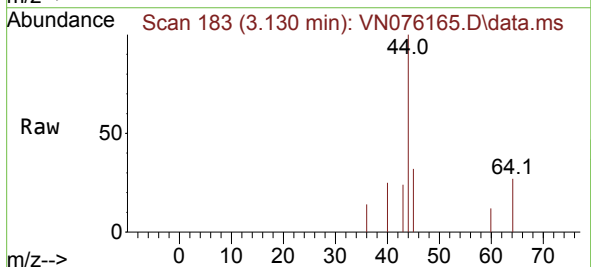
Instrument :
MSVOA_N
ClientSampleId :
TP-201

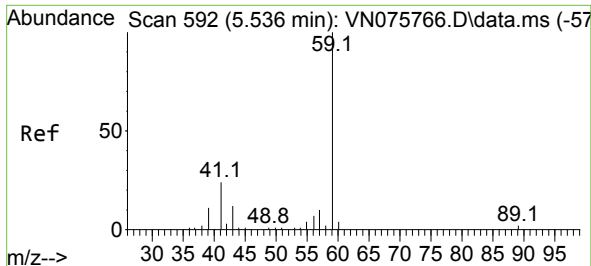
Tgt Ion:168 Resp: 337617
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#6
Chloroethane
Concen: 0.347 ug/l
RT: 3.130 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 64 Resp: 913
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

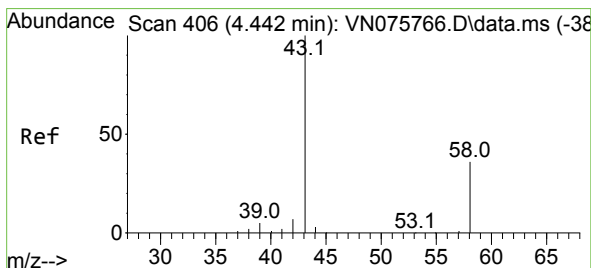
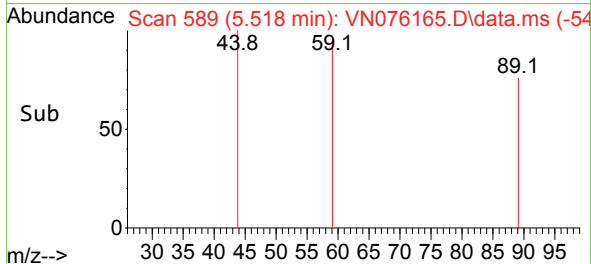
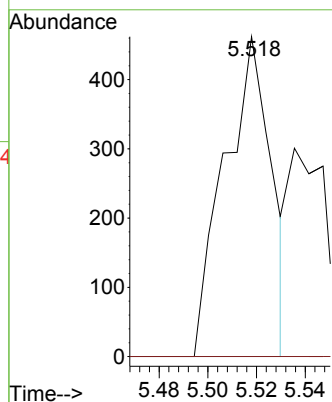
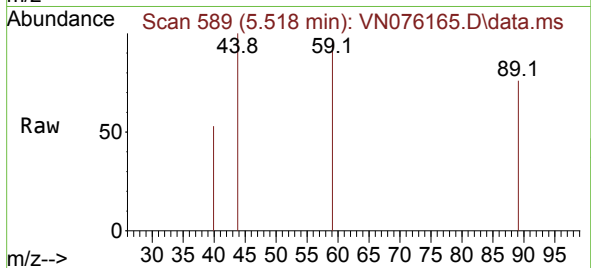




#11
Tert butyl alcohol
Concen: 1.191 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

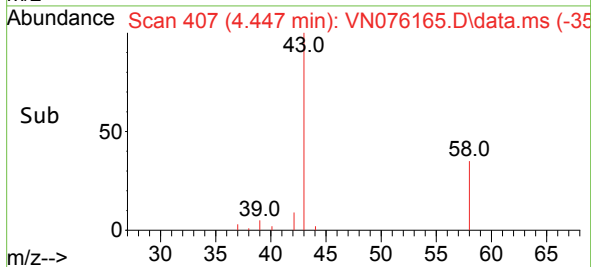
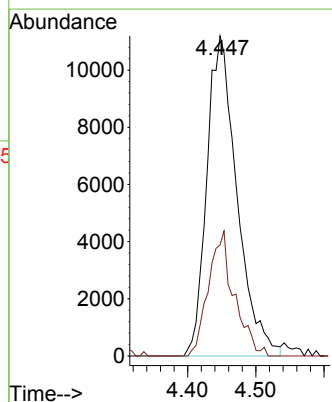
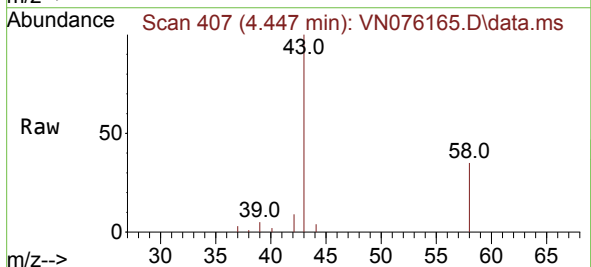
Instrument :
MSVOA_N
ClientSampleId :
TP-201

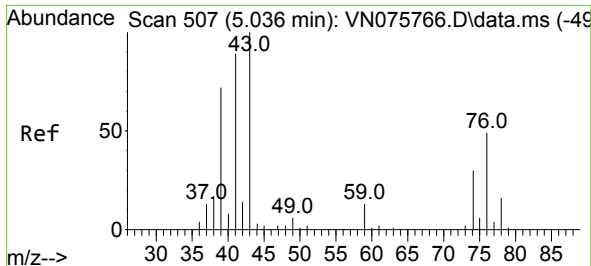
Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 27.166 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 43 Resp: 34396
Ion Ratio Lower Upper
43 100
58 34.7 28.6 43.0

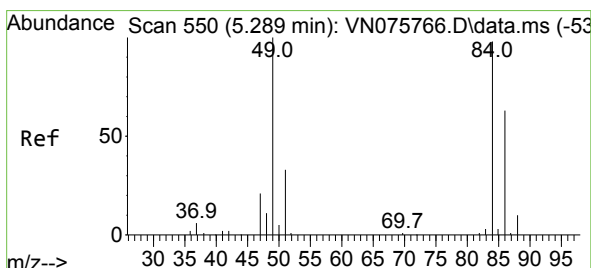
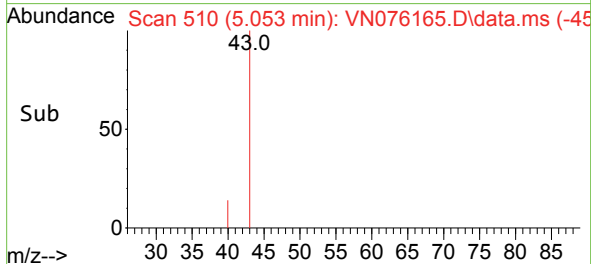
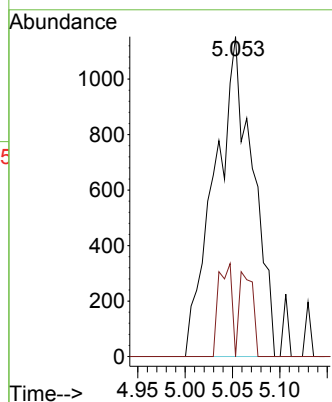
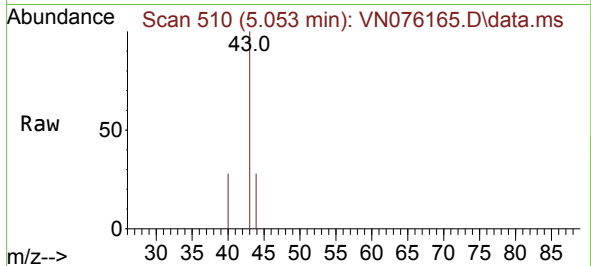




#18
Methyl Acetate
Concen: 0.858 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

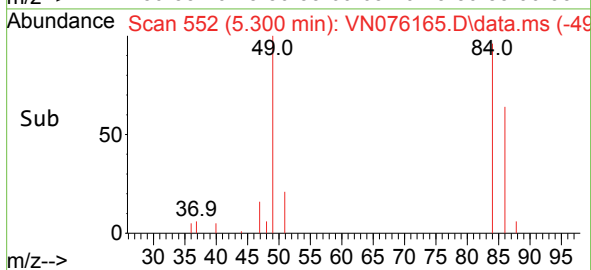
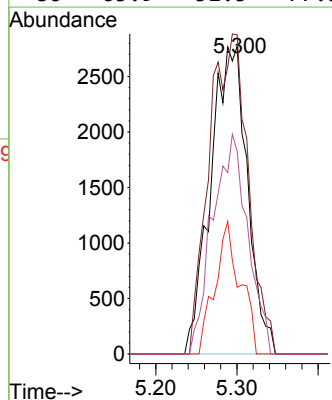
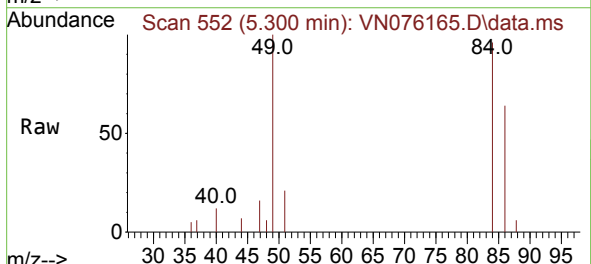
Instrument :
MSVOA_N
ClientSampleId :
TP-201

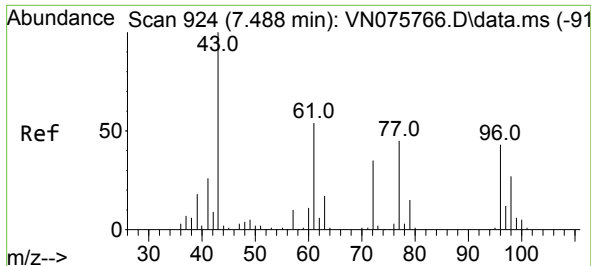
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
74 9.4 23.6 35.4#



#20
Methylene Chloride
Concen: 1.965 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.011 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 84 Resp: 8738
Ion Ratio Lower Upper
84 100
49 103.8 81.8 122.6
51 21.7 26.7 40.1#
86 65.9 51.5 77.3





#25

2-Butanone

Concen: 4.986 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

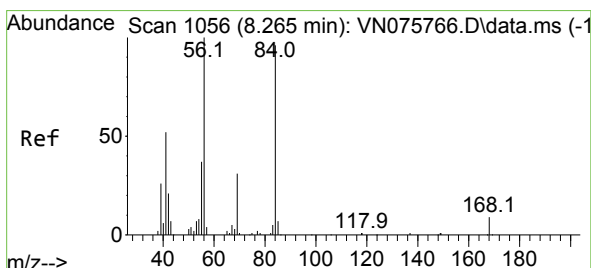
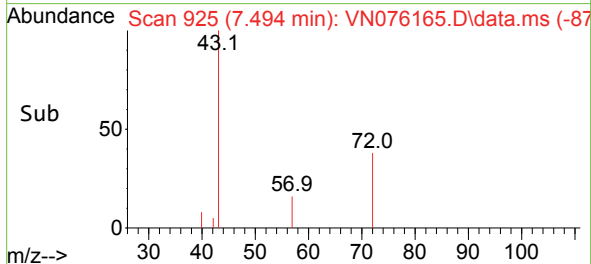
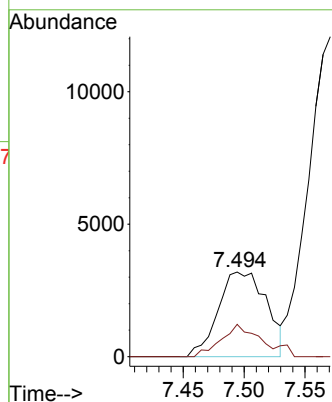
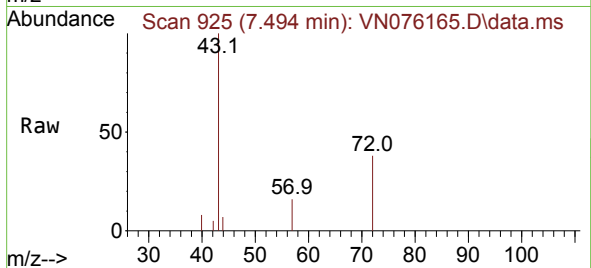
TP-201

Tgt Ion: 43 Resp: 8840

Ion Ratio Lower Upper

43 100

72 38.3 28.0 42.0



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

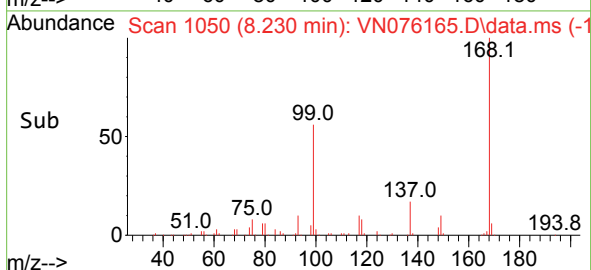
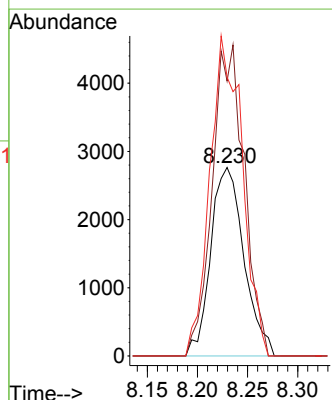
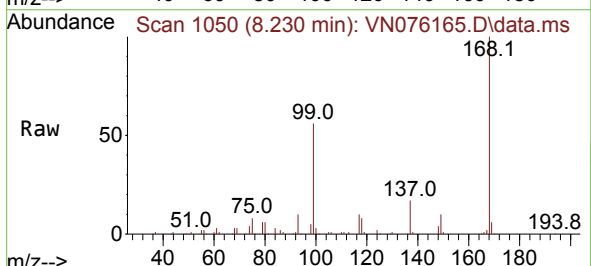
Tgt Ion: 56 Resp: 6370

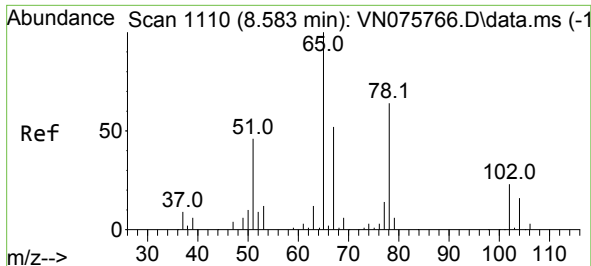
Ion Ratio Lower Upper

56 100

69 145.9 24.7 37.1#

84 148.0 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.398 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

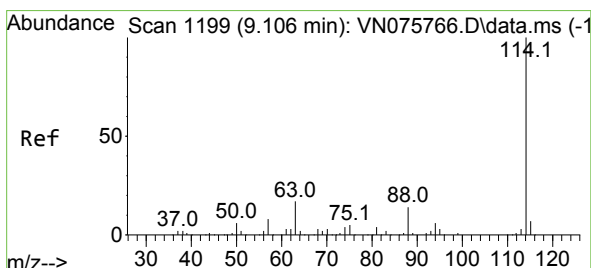
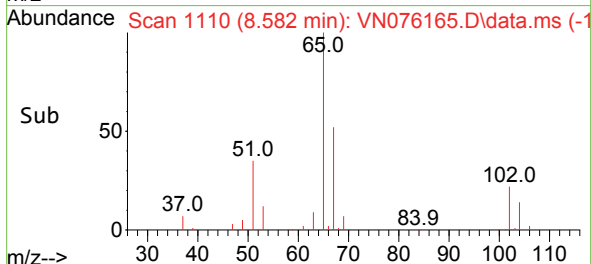
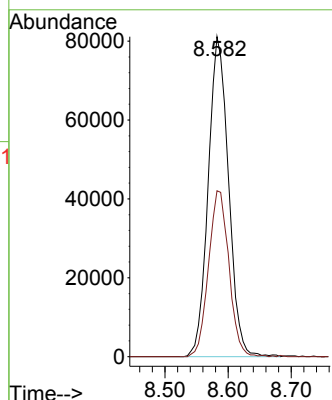
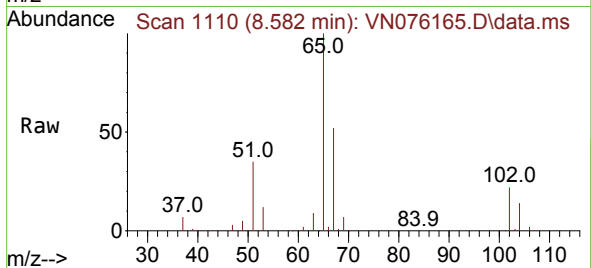
TP-201

Tgt Ion: 65 Resp: 181438

Ion Ratio Lower Upper

65 100

67 52.0 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: VN076165.D

Acq: 09 Jan 2023 18:52

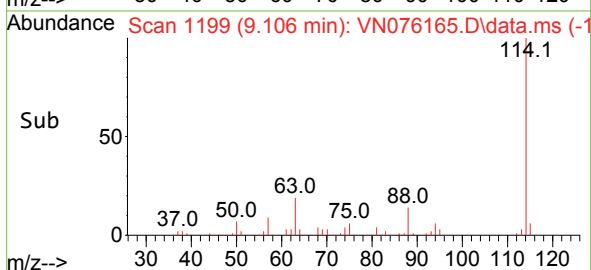
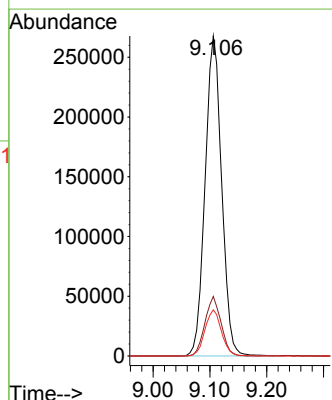
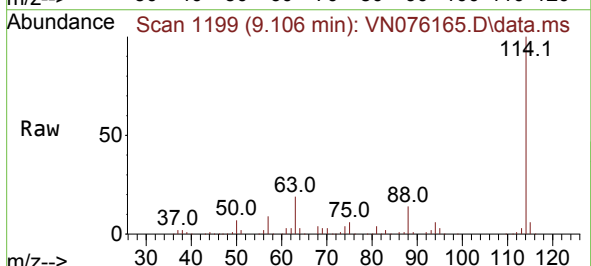
Tgt Ion: 114 Resp: 540663

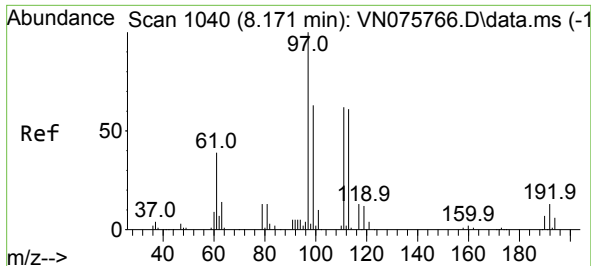
Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.4

88 14.4 0.0 28.8

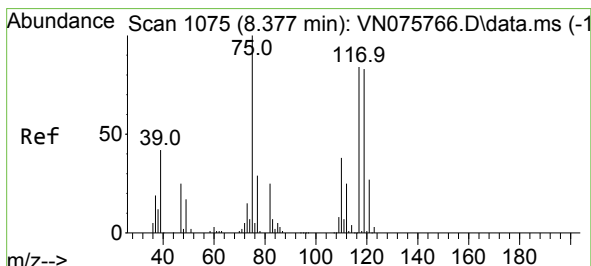
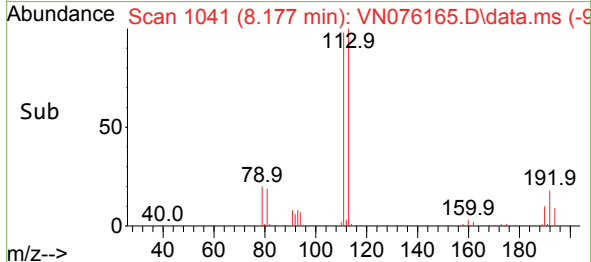
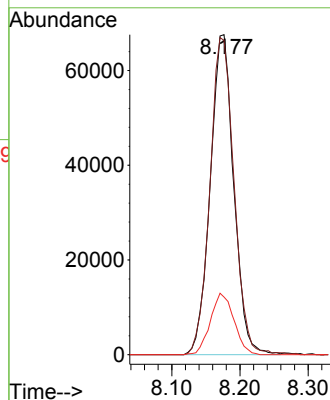
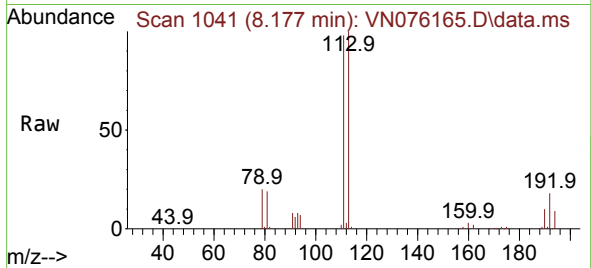




#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

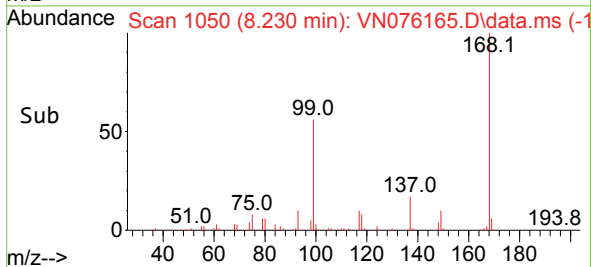
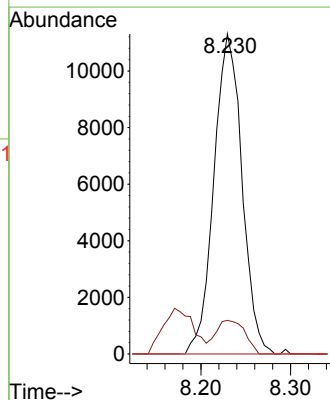
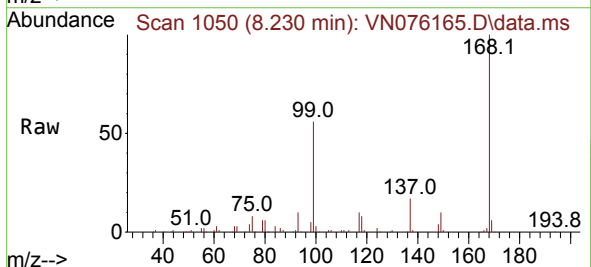
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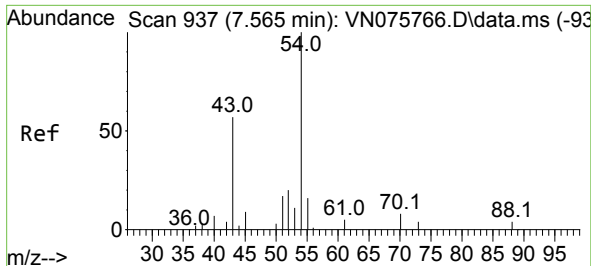
Tgt Ion:113 Resp: 161990
Ion Ratio Lower Upper
113 100
111 101.7 83.4 125.2
192 19.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.519 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 75 Resp: 24546
Ion Ratio Lower Upper
75 100
110 10.9 18.8 56.4#
77 0.0 24.1 36.1#

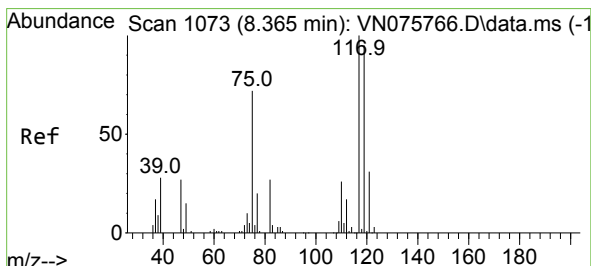
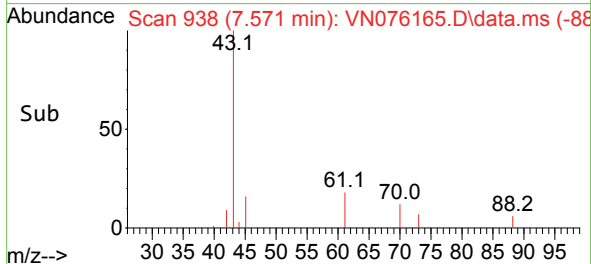
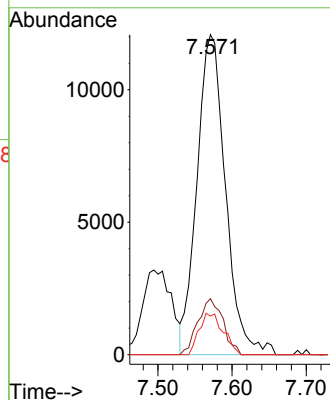
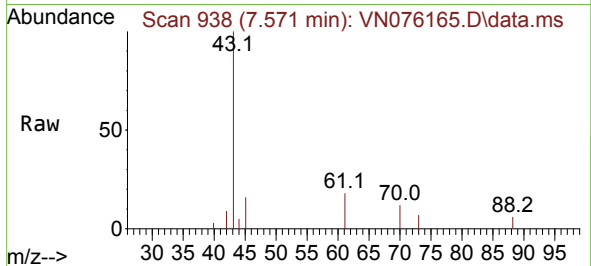




#37
Ethyl Acetate
Concen: 9.043 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

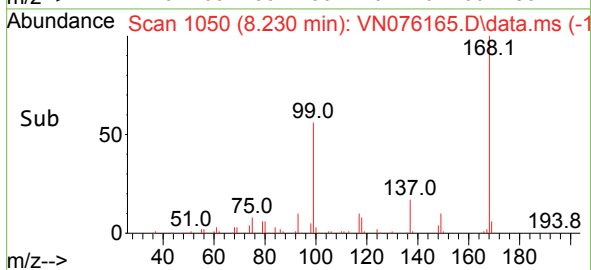
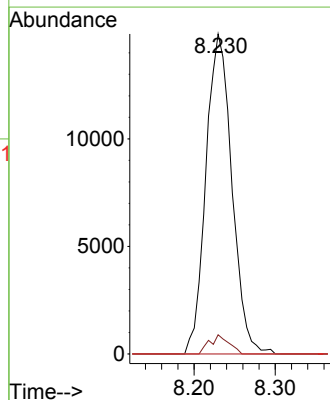
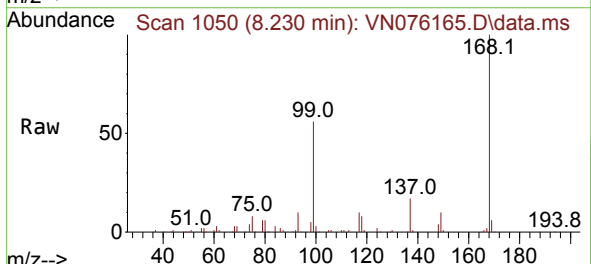
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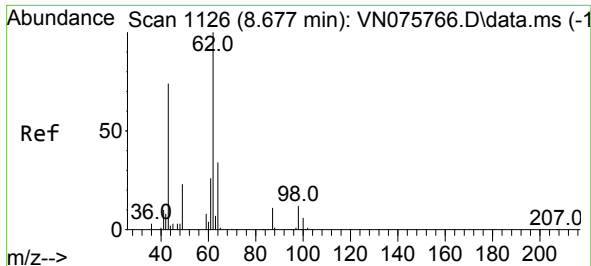
Tgt Ion:	43	Resp:	32306
Ion	Ratio	Lower	Upper
43	100		
61	15.4	13.0	19.4
70	10.9	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.648 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion:	117	Resp:	33092
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.1	114.1#
121	0.0	24.5	36.7#





#42

1,2-Dichloroethane

Concen: 0.267 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

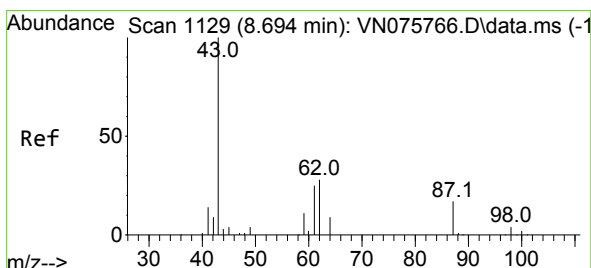
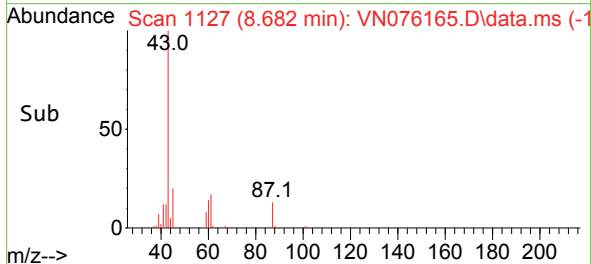
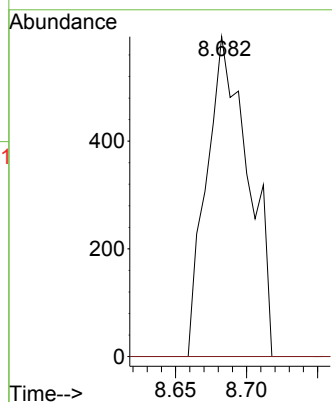
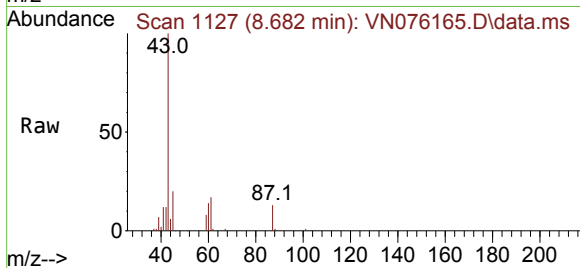
TP-201

Tgt Ion: 62 Resp: 1218

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 41.844 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

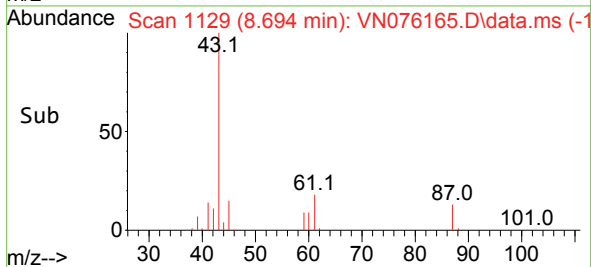
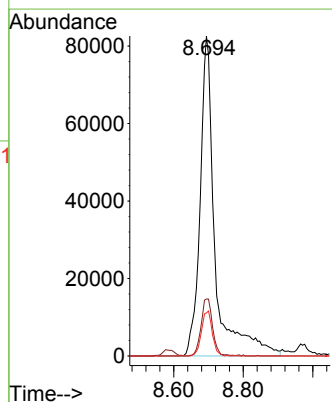
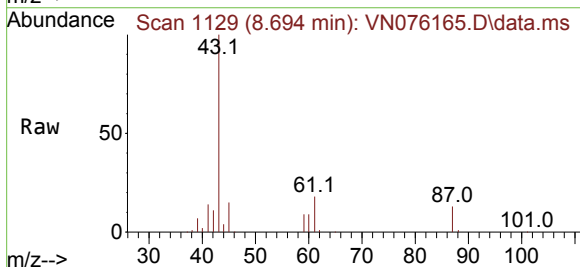
Tgt Ion: 43 Resp: 246602

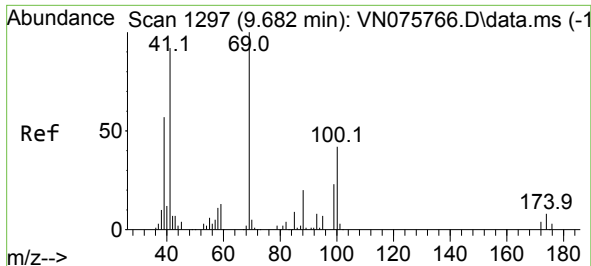
Ion Ratio Lower Upper

43 100

61 13.7 24.2 36.4#

87 10.1 13.3 19.9#

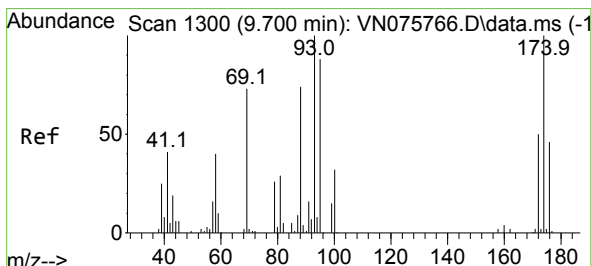
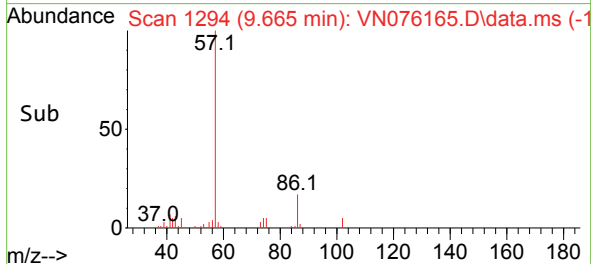
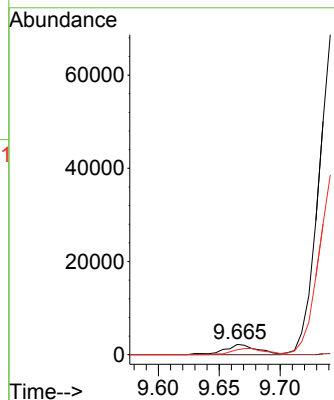
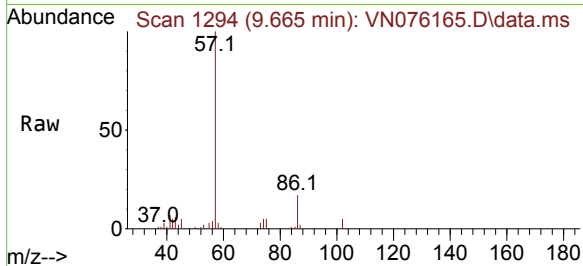




#48
Methyl methacrylate
Concen: 1.565 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

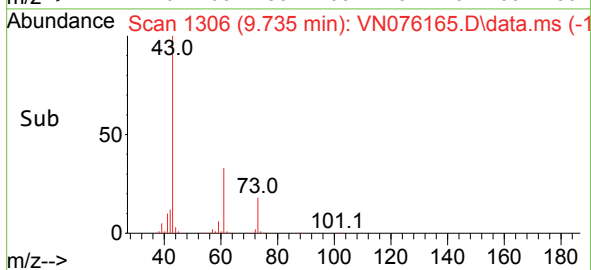
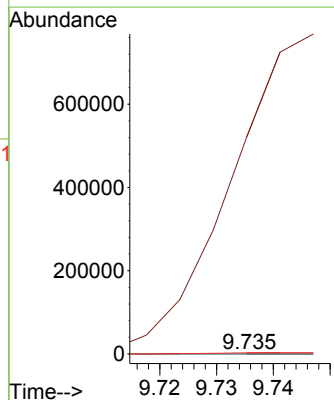
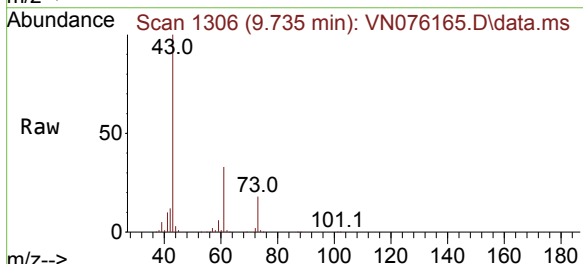
Instrument :
MSVOA_N
ClientSampleId :
TP-201

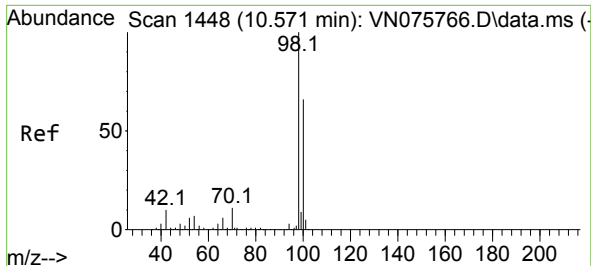
Tgt Ion: 41 Resp: 4153
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 59.5 51.6 77.4



#49
1,4-Dioxane
Concen: 1.042 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 2051254.4 17.1 25.7#
58 9175.0 47.8 71.8#

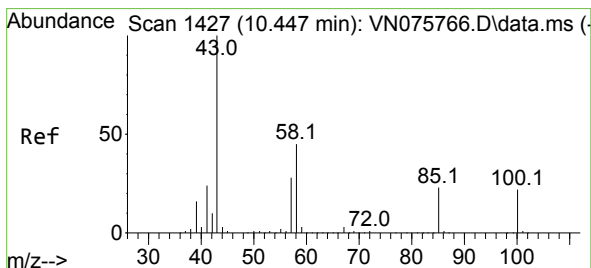
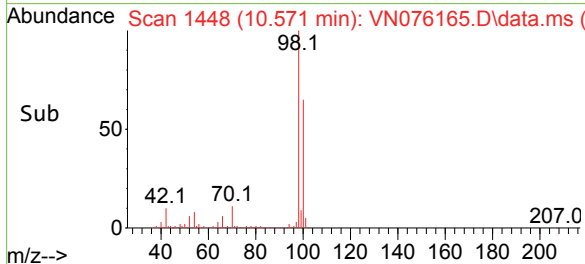
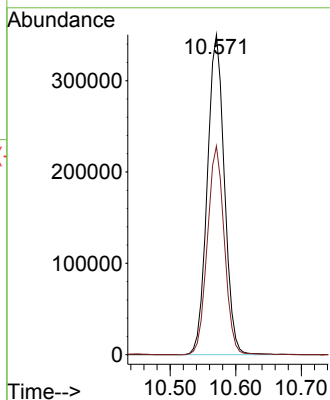
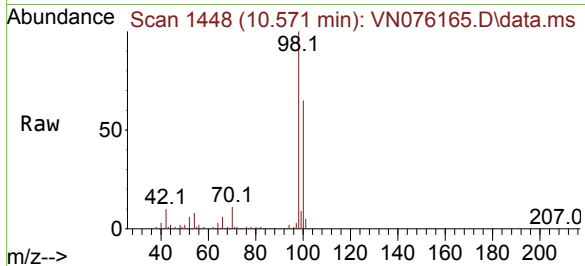




#50
Toluene-d8
Concen: 50.727 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

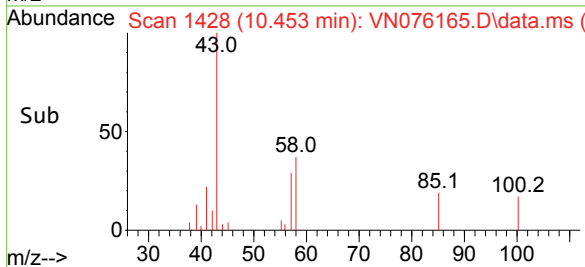
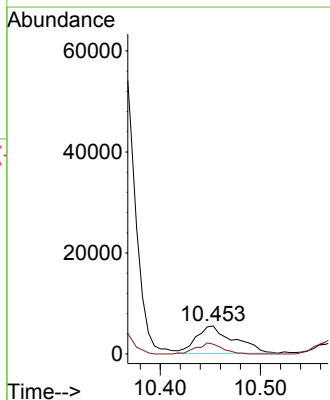
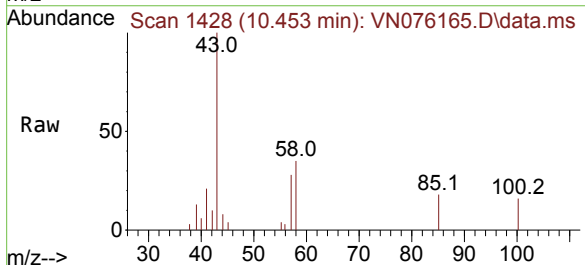
Instrument :
MSVOA_N
ClientSampleId :
TP-201

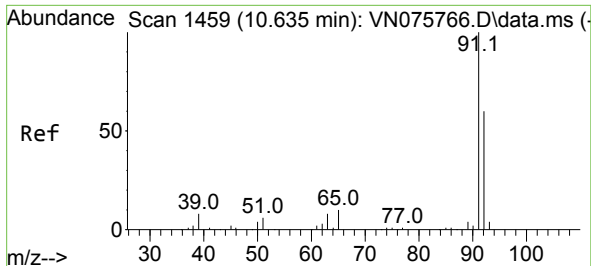
Tgt Ion: 98 Resp: 635042
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.956 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 43 Resp: 14100
Ion Ratio Lower Upper
43 100
58 27.6 35.5 53.3#

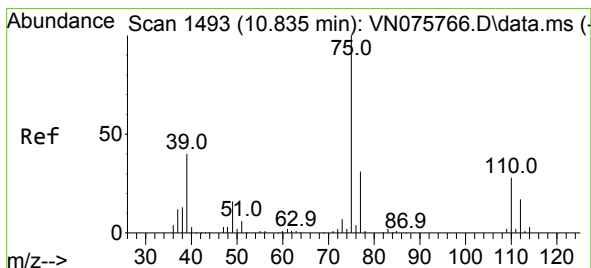
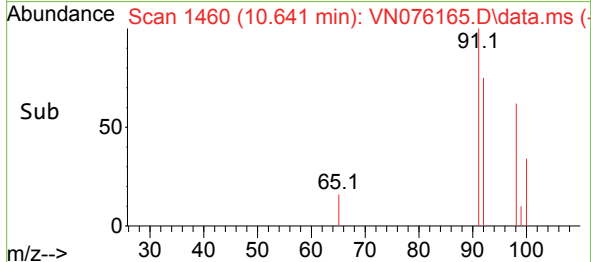
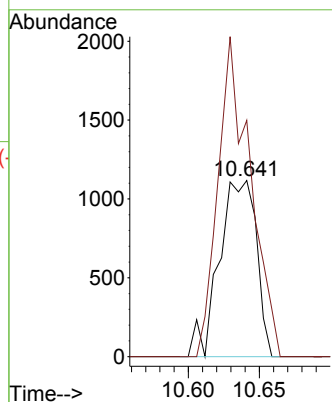
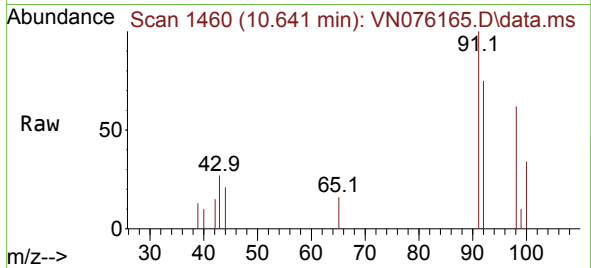




#52
Toluene
Concen: 0.228 ug/l
RT: 10.641 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

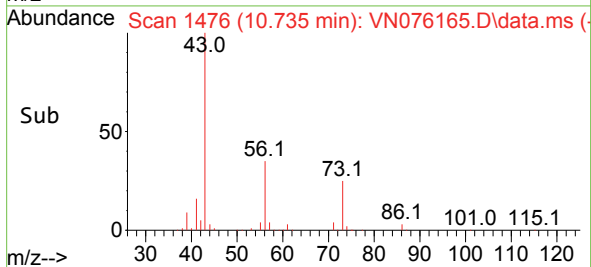
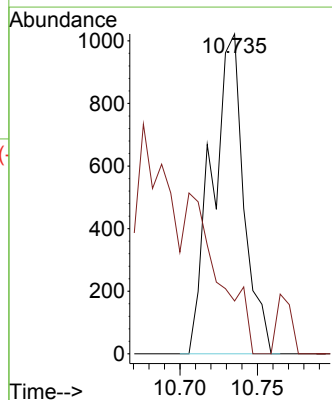
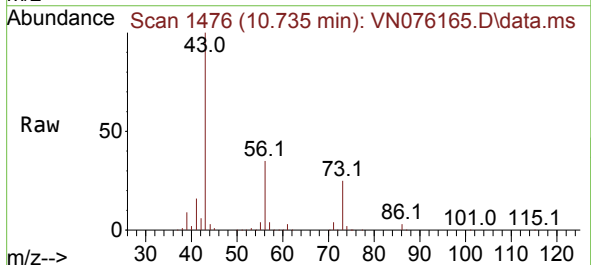
Instrument :
MSVOA_N
ClientSampleId :
TP-201

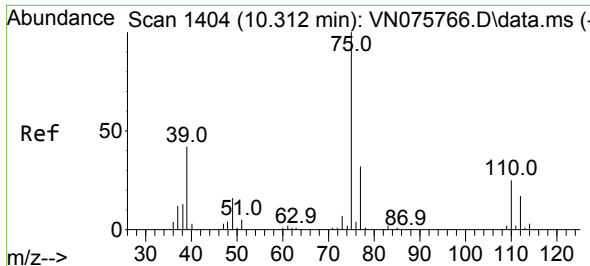
Tgt Ion: 92 Resp: 2040
Ion Ratio Lower Upper
92 100
91 156.8 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.100 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 75 Resp: 1461
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

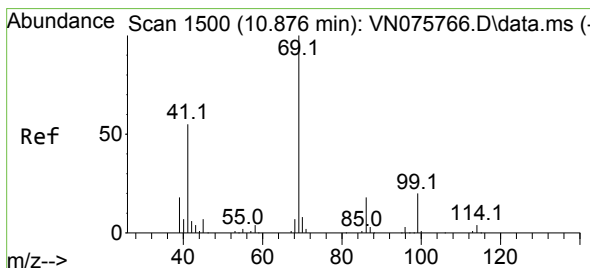
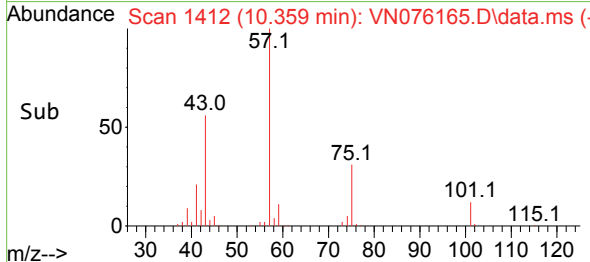
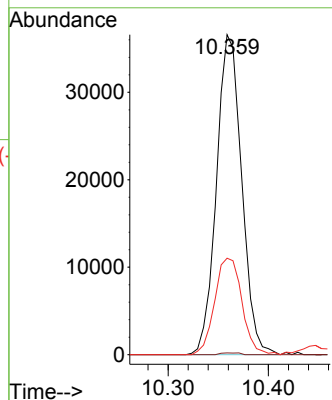
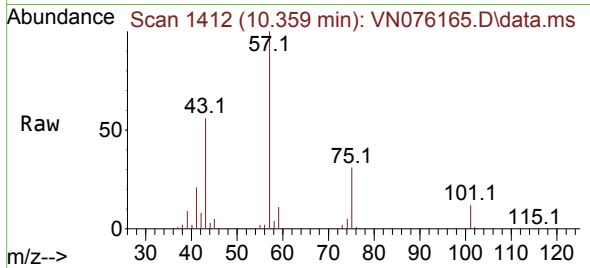




#54
 cis-1,3-Dichloropropene
 Concen: 12.246 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076165.D
 Acq: 09 Jan 2023 18:52

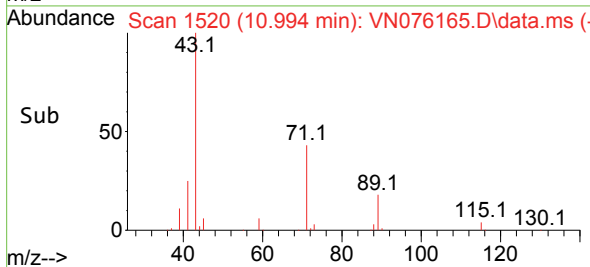
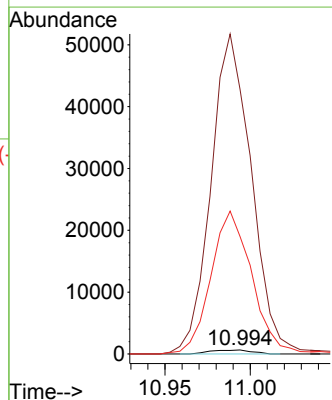
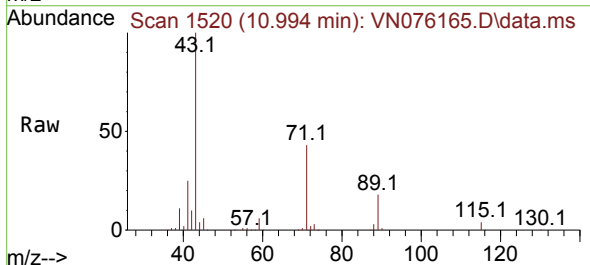
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-201

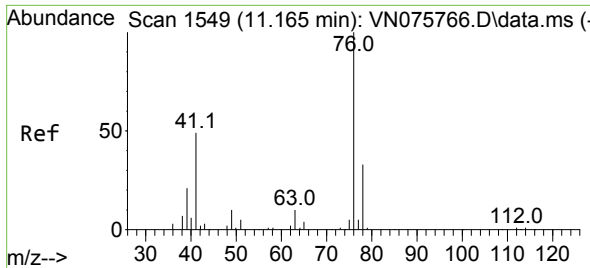
Tgt Ion: 75 Resp: 63931
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 30.1 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.232 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.118 min
 Lab File: VN076165.D
 Acq: 09 Jan 2023 18:52

Tgt Ion: 69 Resp: 1082
 Ion Ratio Lower Upper
 69 100
 41 7938.3 44.2 66.4#
 39 3589.1 26.4 39.6#

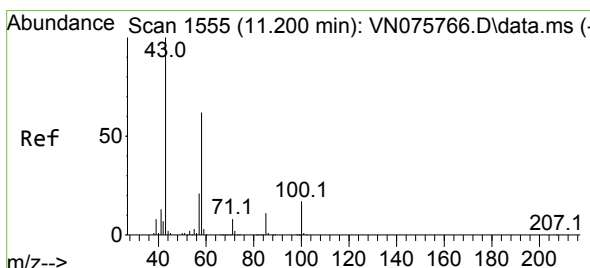
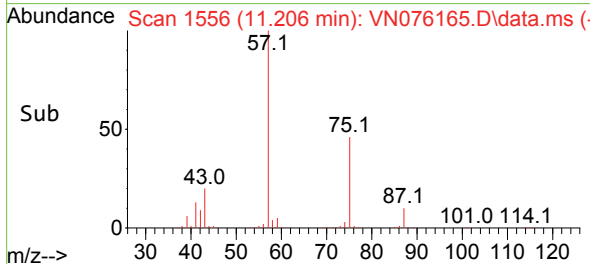
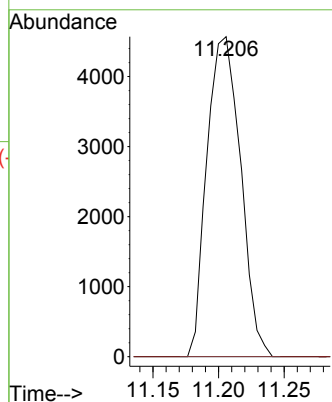
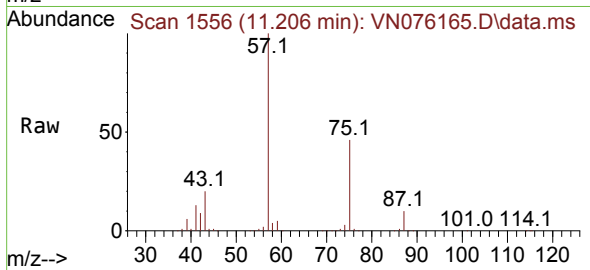




#57
1,3-Dichloropropane
Concen: 1.422 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

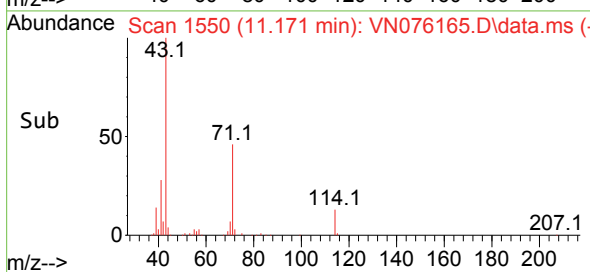
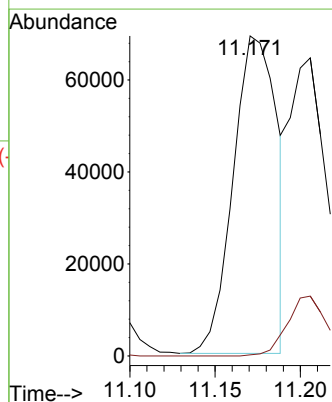
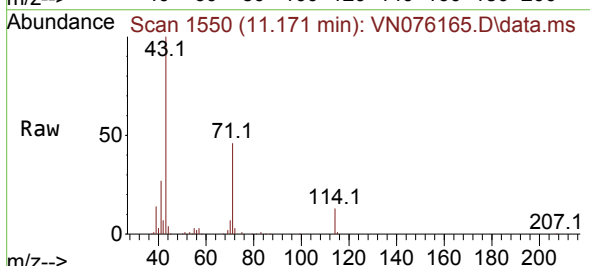
Instrument :
MSVOA_N
ClientSampleId :
TP-201

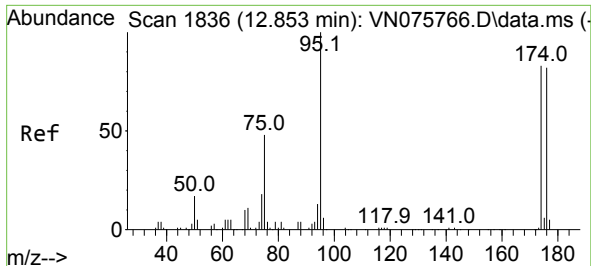
Tgt Ion: 76 Resp: 8183
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 47.382 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 43 Resp: 123155
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#

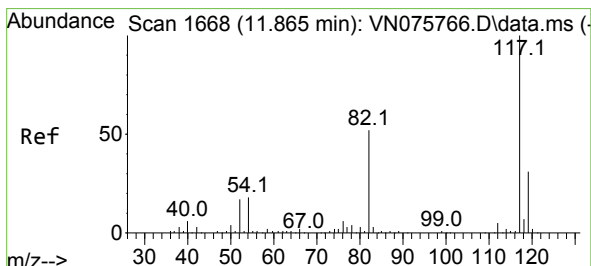
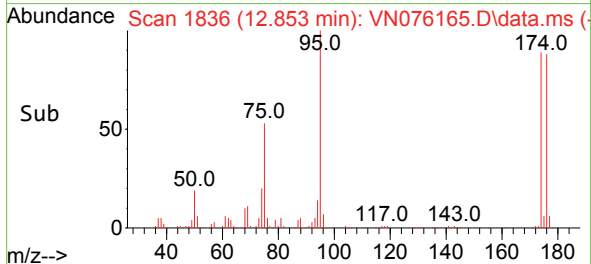
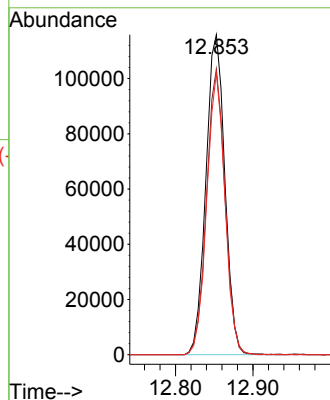
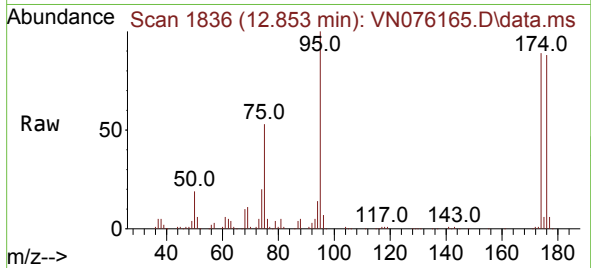




#62
4-Bromofluorobenzene
Concen: 47.621 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

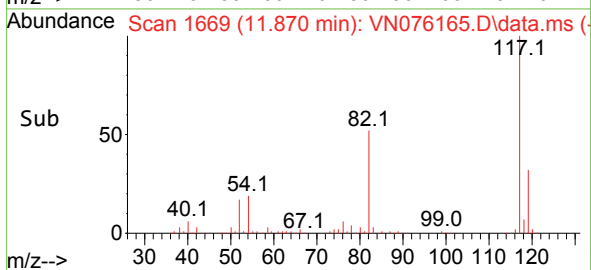
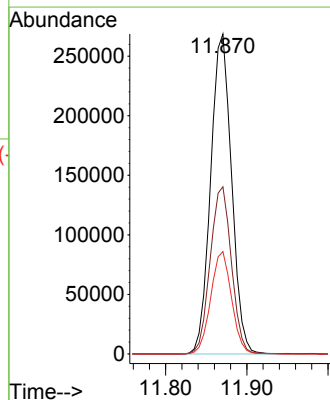
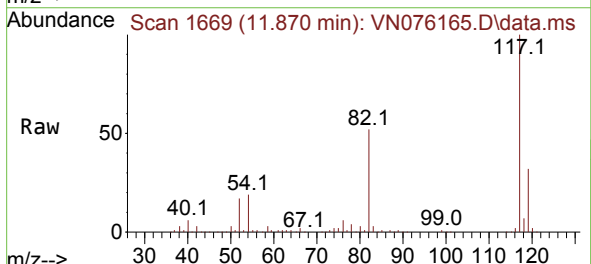
Instrument :
MSVOA_N
ClientSampleId :
TP-201

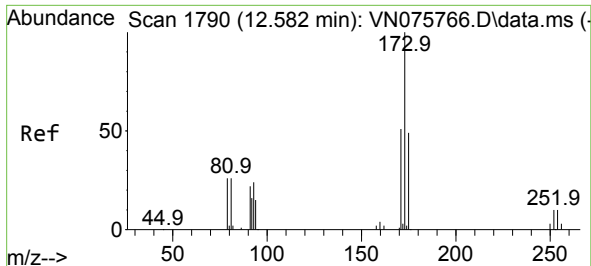
Tgt Ion: 95 Resp: 197452
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.6
176 84.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion: 117 Resp: 481042
Ion Ratio Lower Upper
117 100
82 52.2 41.3 61.9
119 32.0 24.6 37.0

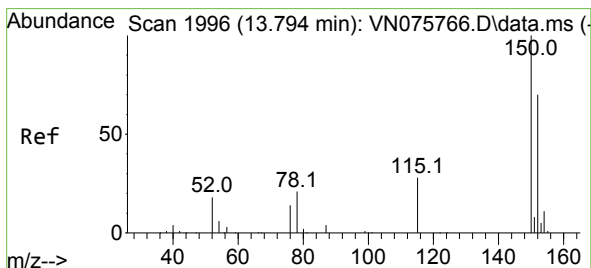
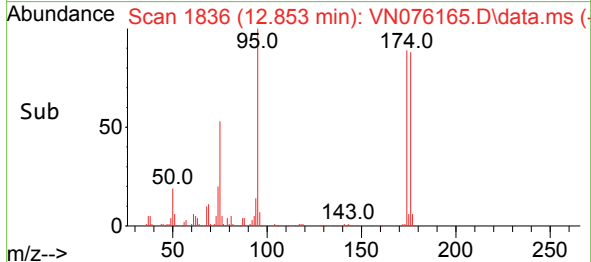
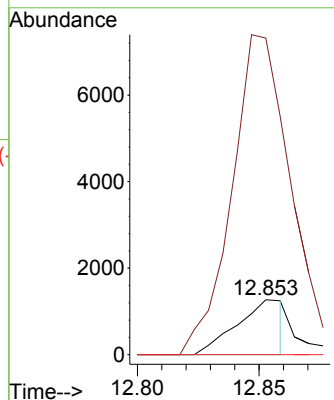
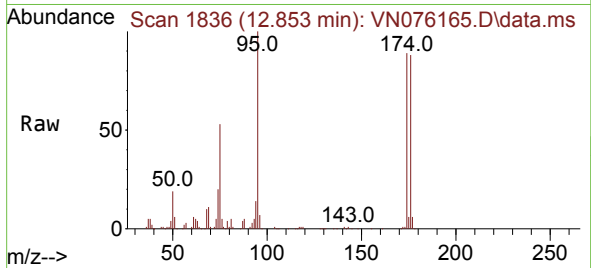




#71
Bromoform
Concen: 0.643 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

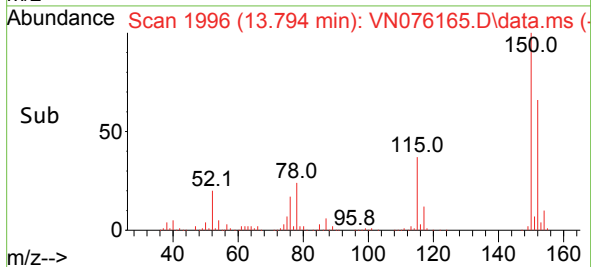
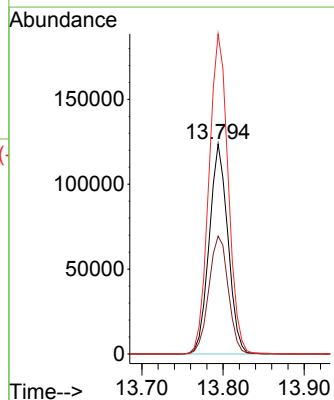
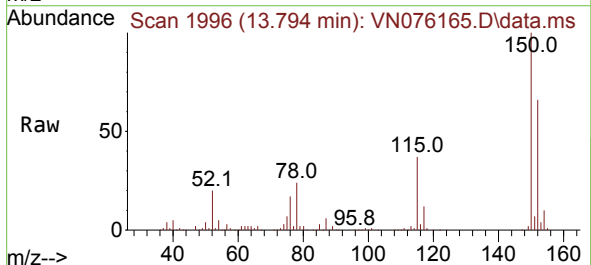
Instrument :
MSVOA_N
ClientSampleId :
TP-201

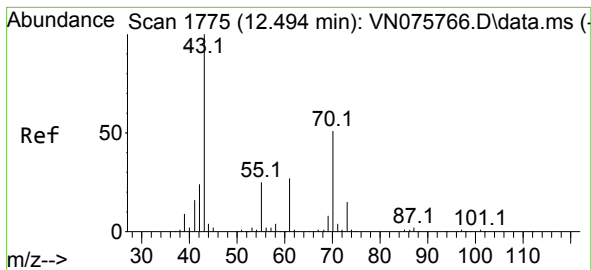
Tgt Ion:173 Resp: 1710
Ion Ratio Lower Upper
173 100
175 595.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion:152 Resp: 197814
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.4
150 156.6 0.0 347.0





#74

N-amyl acetate

Concen: 0.281 ug/l

RT: 12.494 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VN076165.D

Acq: 09 Jan 2023 18:52

Instrument :

MSVOA_N

ClientSampleId :

TP-201

Tgt Ion: 43 Resp: 1178

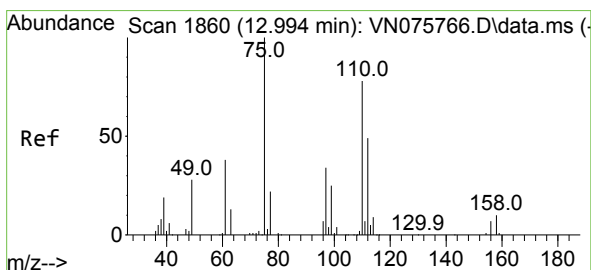
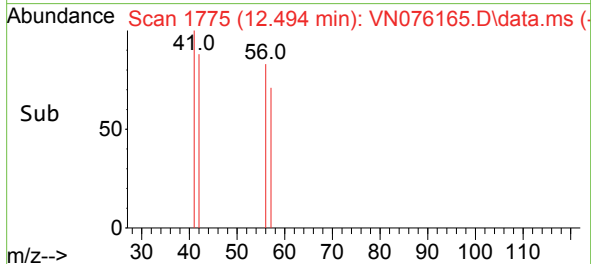
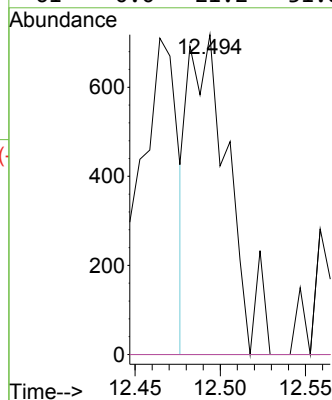
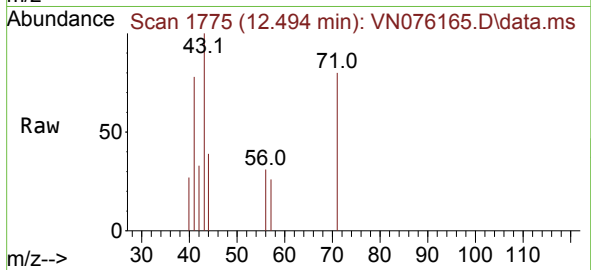
Ion Ratio Lower Upper

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: 26.129 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076165.D

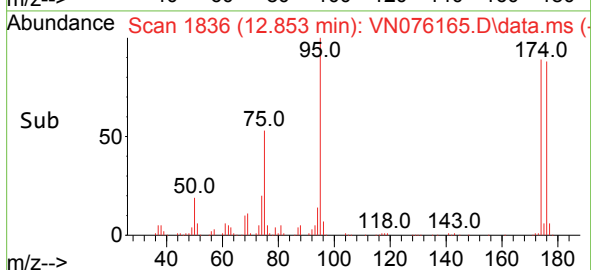
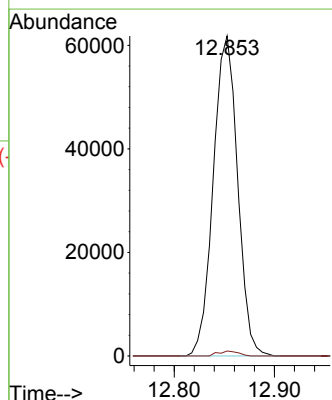
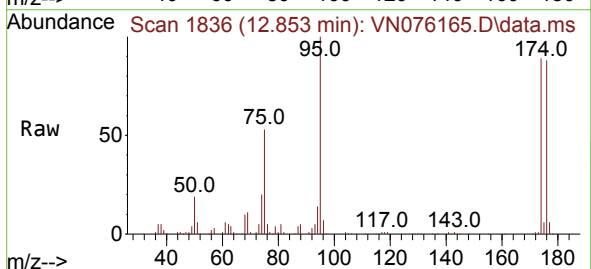
Acq: 09 Jan 2023 18:52

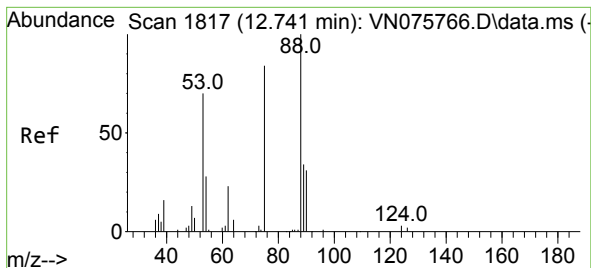
Tgt Ion: 75 Resp: 104189

Ion Ratio Lower Upper

75 100

77 1.3 82.6 247.8#

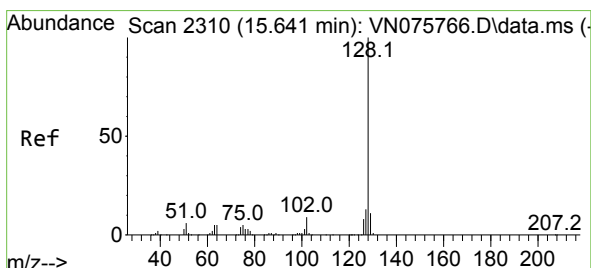
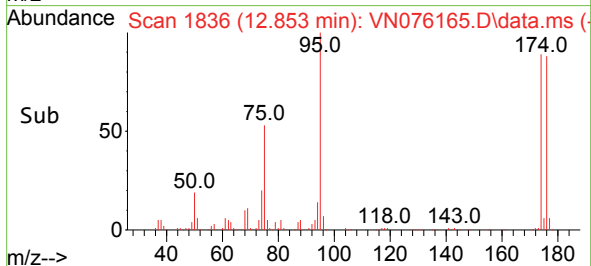
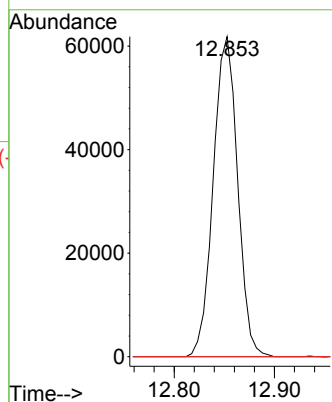
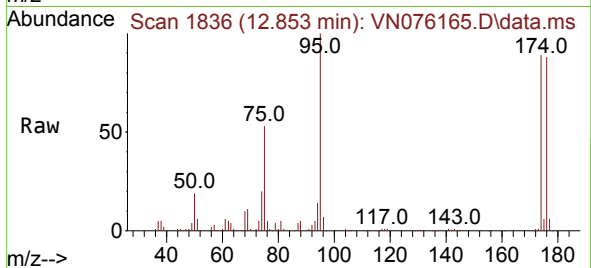




#81
trans-1,4-Dichloro-2-butene
Concen: 94.052 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Instrument :
MSVOA_N
ClientSampleId :
TP-201

Tgt Ion: 75 Resp: 104189
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.329 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076165.D
Acq: 09 Jan 2023 18:52

Tgt Ion:128 Resp: 1709
Ion Ratio Lower Upper
128 100
127 8.0 10.4 15.6#
129 0.0 8.7 13.1#

