

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076089.D
 Acq On : 04 Jan 2023 18:18
 Operator : JC\MD
 Sample : N6239-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C1

Quant Time: Jan 05 01:26:46 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)

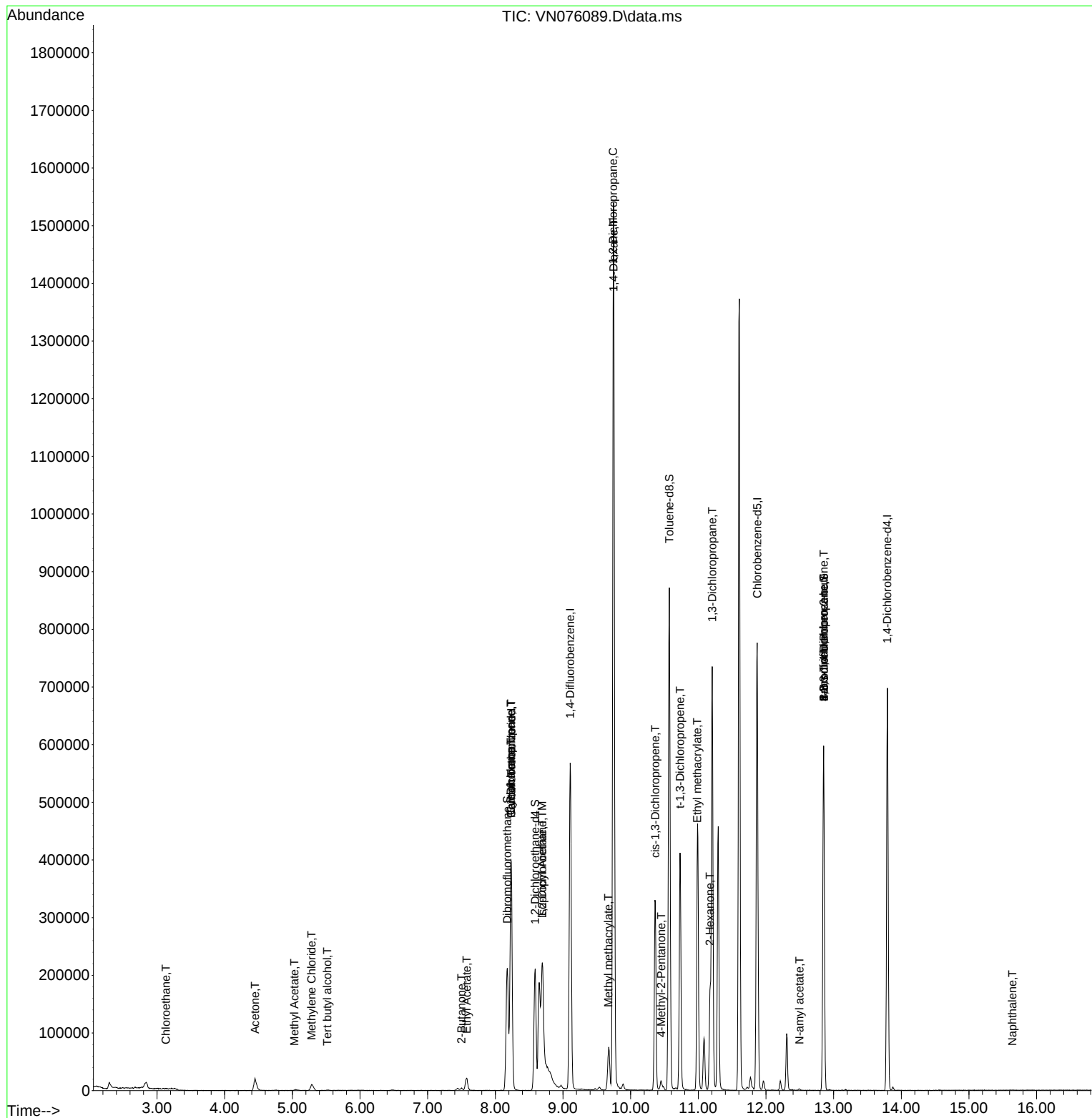
Internal Standards						
1) Pentafluorobenzene	8.236	168	314131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	528596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	469071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	171250	50.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.177	113	156437	47.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.580%			
50) Toluene-d8	10.571	98	617288	50.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.853	95	194120	47.886	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.780%			
Target Compounds					Qvalue	
6) Chloroethane	3.130	64	559	0.228	ug/l #	44
11) Tert butyl alcohol	5.518	59	663	1.371	ug/l #	72
16) Acetone	4.448	43	36510	30.992	ug/l	99
18) Methyl Acetate	5.030	43	1125	0.323	ug/l #	27
20) Methylene Chloride	5.283	84	8647	2.131	ug/l	97
25) 2-Butanone	7.500	43	5477	3.320	ug/l	98
31) Cyclohexane	8.230	56	6566	1.342	ug/l #	64
36) 1,1-Dichloropropene	8.230	75	23635	5.435	ug/l #	48
37) Ethyl Acetate	7.577	43	33592	9.617	ug/l	97
38) Carbon Tetrachloride	8.236	117	32180	6.612	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1591	0.357	ug/l #	72
43) Isopropyl Acetate	8.694	43	335349	58.201	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	2383	0.730	ug/l #	43
48) Methyl methacrylate	9.671	41	4395	1.694	ug/l #	34
49) 1,4-Dioxane	9.747	88	247	3.872	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	14215	4.079	ug/l #	75
53) t-1,3-Dichloropropene	10.730	75	1305	0.281	ug/l #	86
54) cis-1,3-Dichloropropene	10.365	75	64472	12.632	ug/l #	65
56) Ethyl methacrylate	10.982	69	1983	0.435	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8280	1.472	ug/l #	42
59) 2-Hexanone	11.171	43	121401	47.774	ug/l #	20
71) Bromoform	12.853	173	1518	0.585	ug/l #	1
74) N-amyl acetate	12.494	43	1686	0.405	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	99361	25.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99361	90.277	ug/l #	12
95) Naphthalene	15.641	128	553	2.227	ug/l #	69

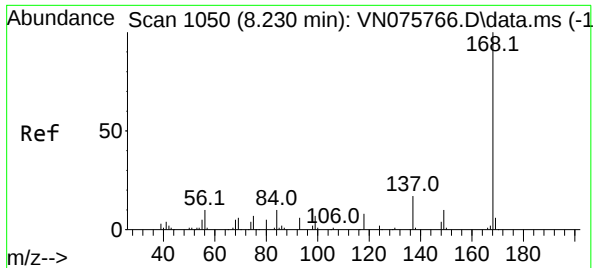
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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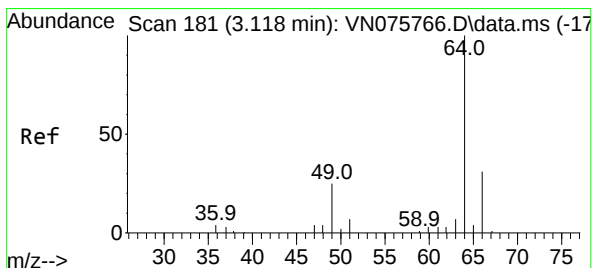
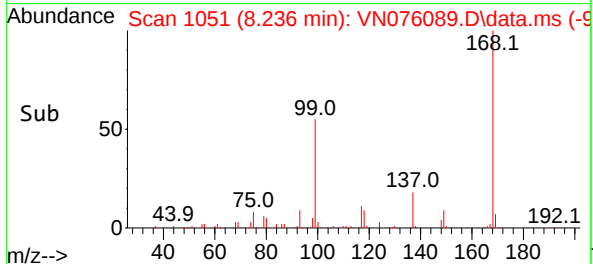
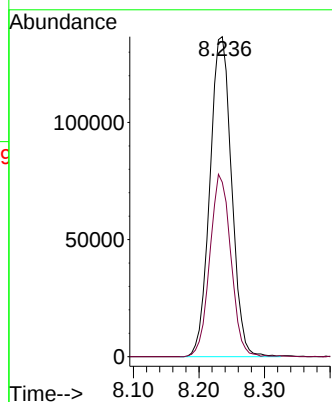
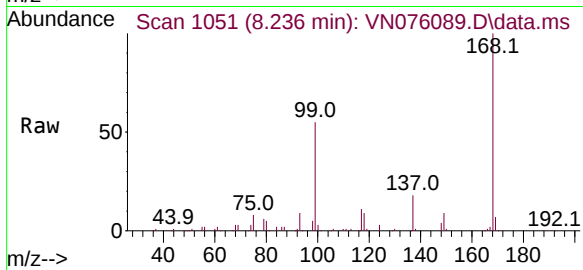




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

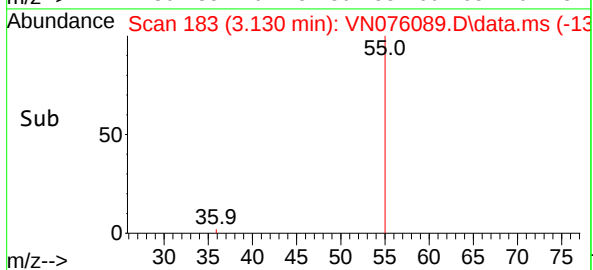
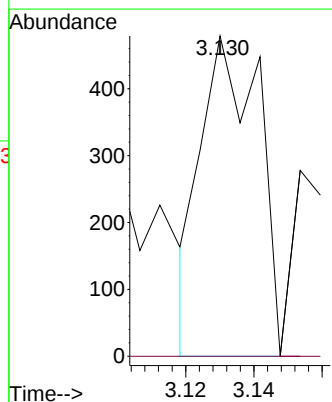
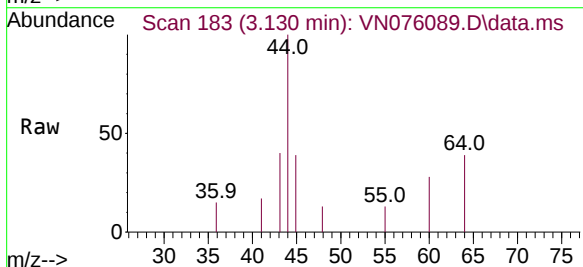
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

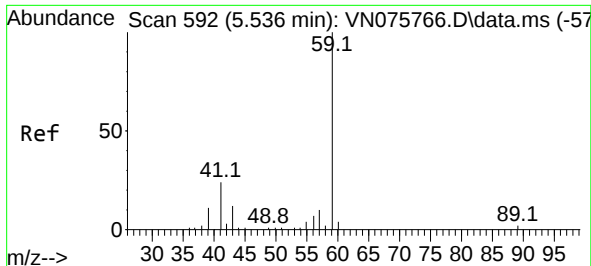
Tgt Ion:168 Resp: 314131
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#6
Chloroethane
Concen: 0.228 ug/l
RT: 3.130 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 64 Resp: 559
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

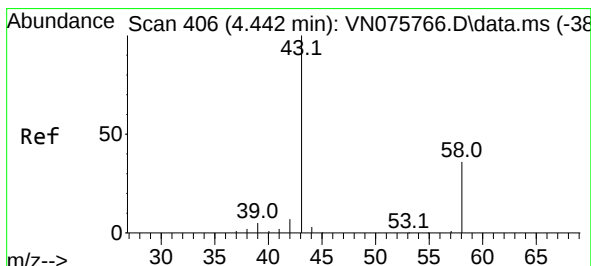
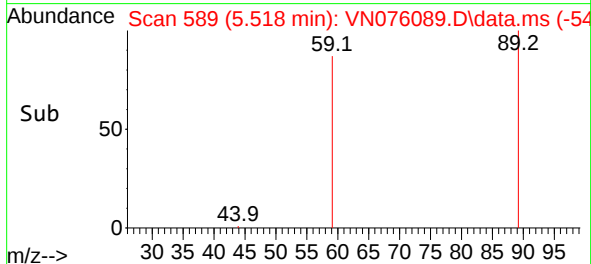
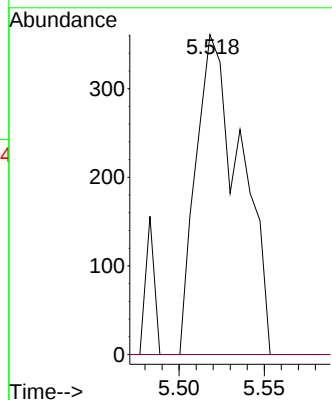
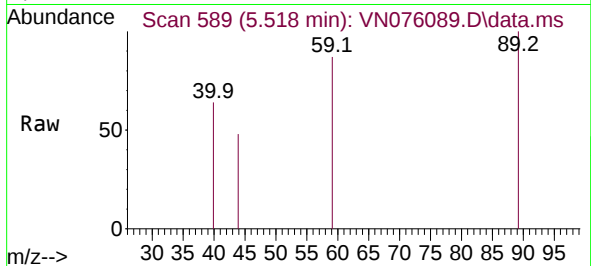




#11
Tert butyl alcohol
Concen: 1.371 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

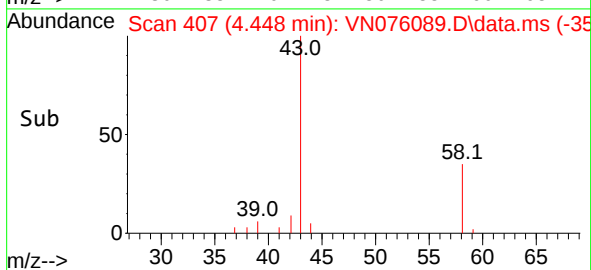
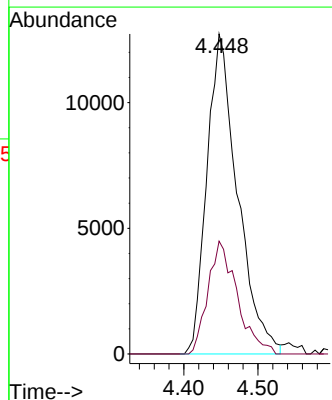
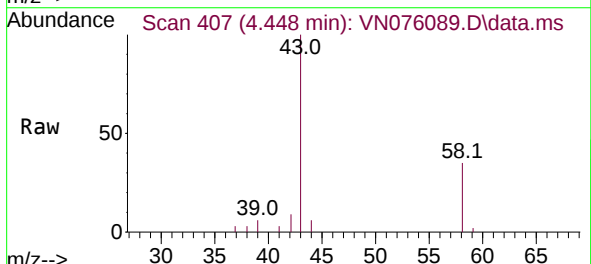
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

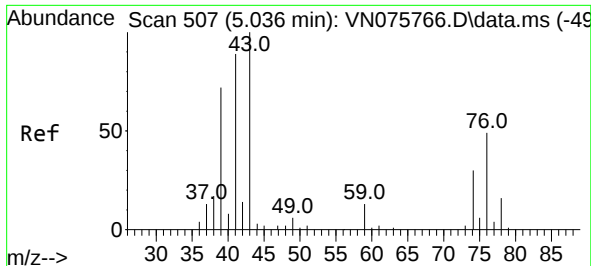
Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 30.992 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 43 Resp: 36510
Ion Ratio Lower Upper
43 100
58 35.3 28.6 43.0

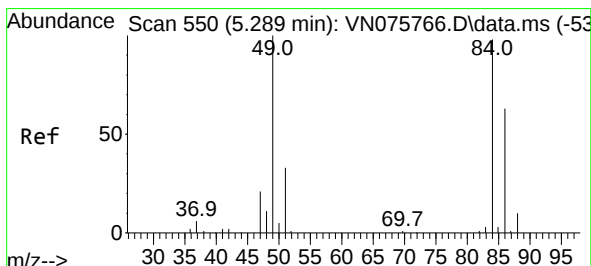
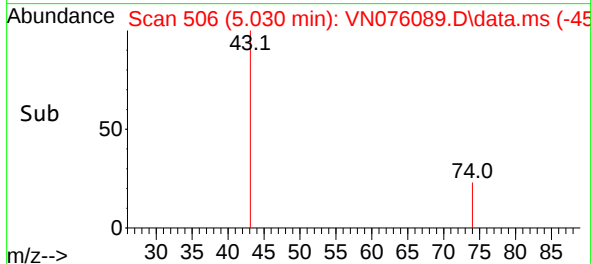
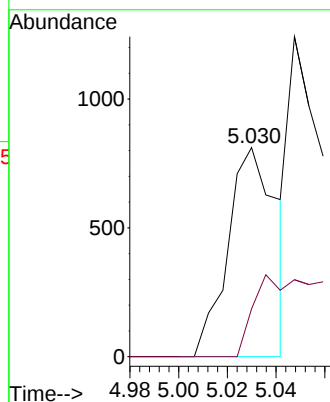
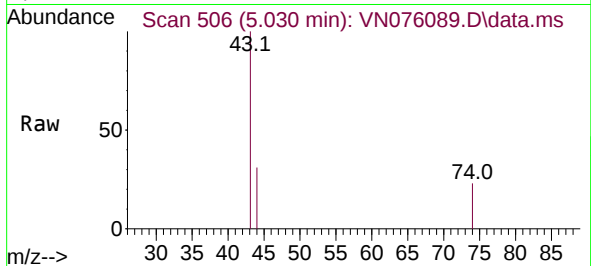




#18
Methyl Acetate
Concen: 0.323 ug/l
RT: 5.030 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

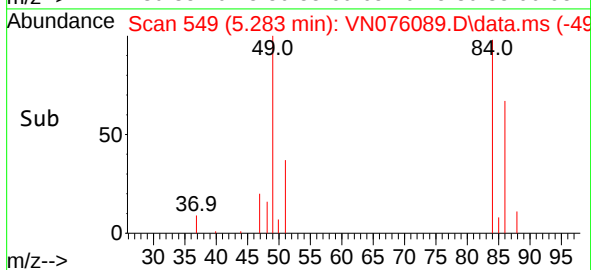
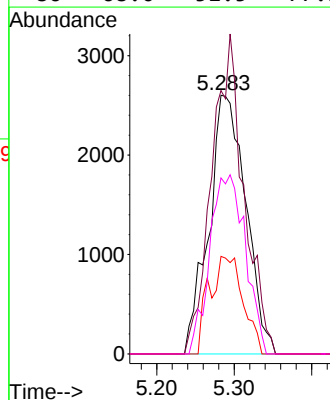
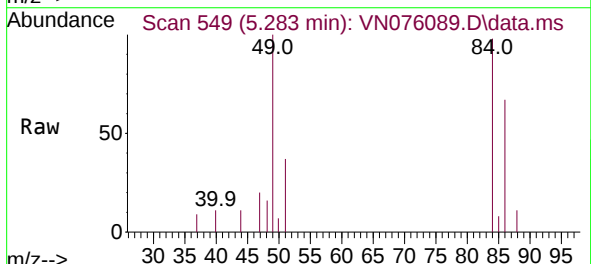
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

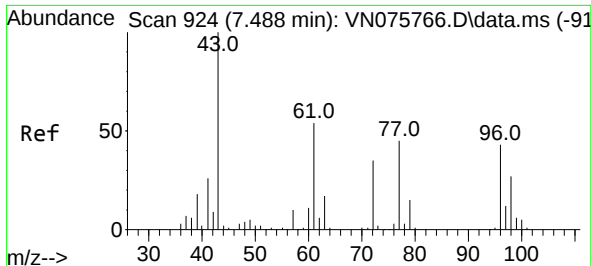
Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 68.5 23.6 35.4#



#20
Methylene Chloride
Concen: 2.131 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 84 Resp: 8647
Ion Ratio Lower Upper
84 100
49 101.8 81.8 122.6
51 37.7 26.7 40.1
86 68.0 51.5 77.3

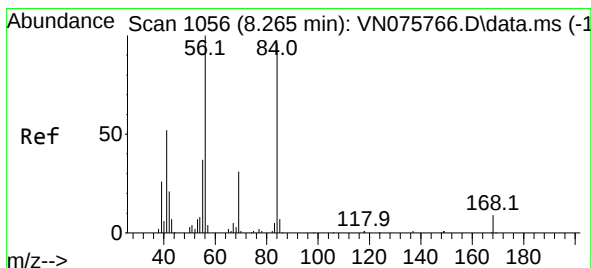
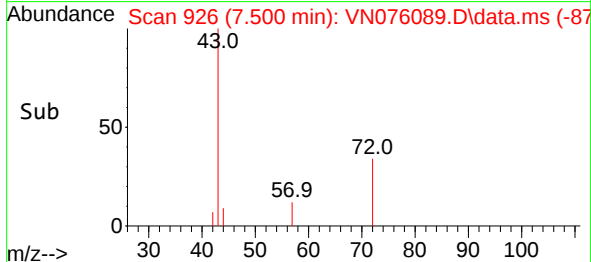
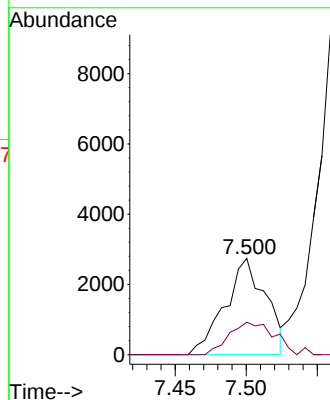
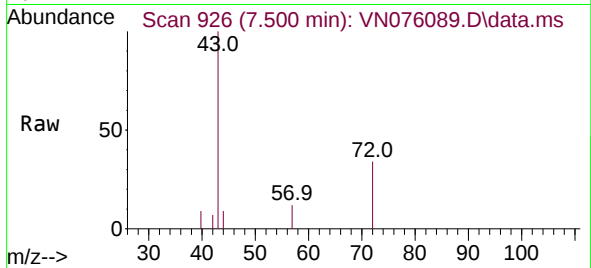




#25
2-Butanone
Concen: 3.320 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

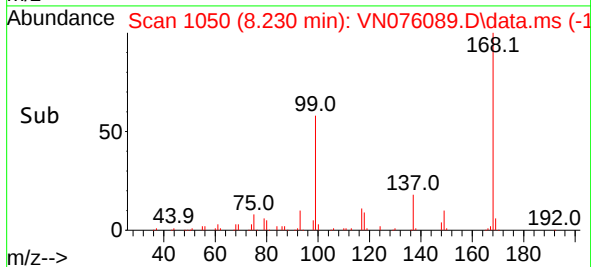
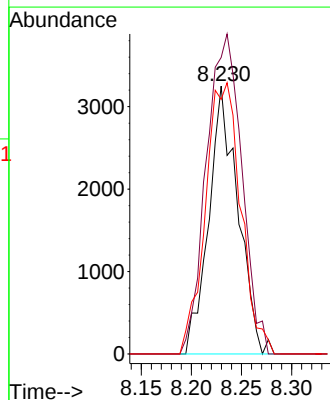
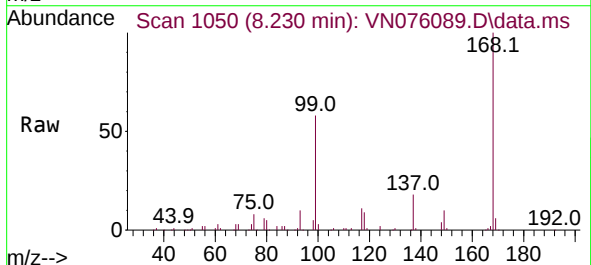
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

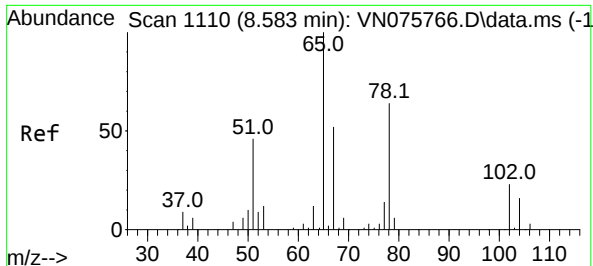
Tgt Ion: 43 Resp: 5477
Ion Ratio Lower Upper
43 100
72 33.7 28.0 42.0



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 56 Resp: 6566
Ion Ratio Lower Upper
56 100
69 110.7 24.7 37.1#
84 95.1 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 50.110 ug/l

RT: 8.589 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

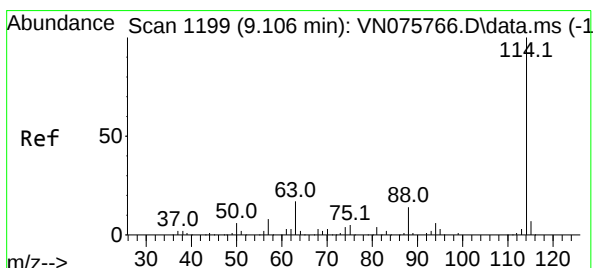
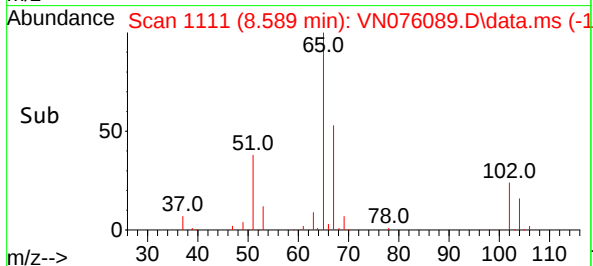
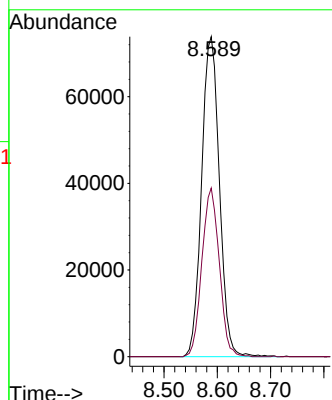
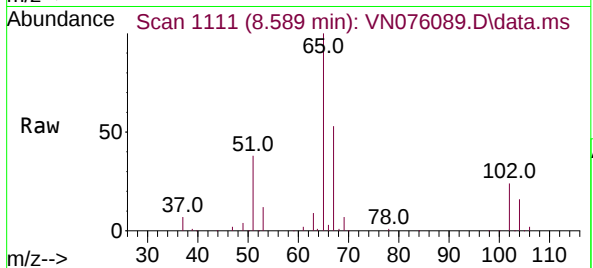
TP-C1

Tgt Ion: 65 Resp: 171250

Ion Ratio Lower Upper

65 100

67 51.5 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: VN076089.D

Acq: 04 Jan 2023 18:18

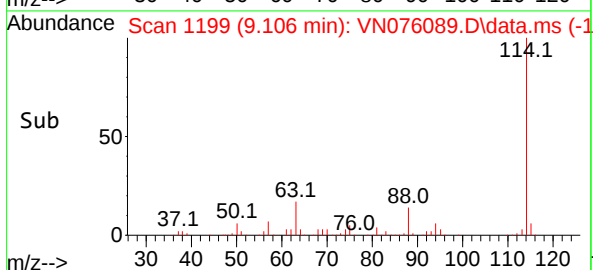
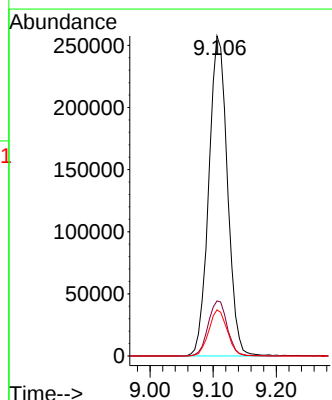
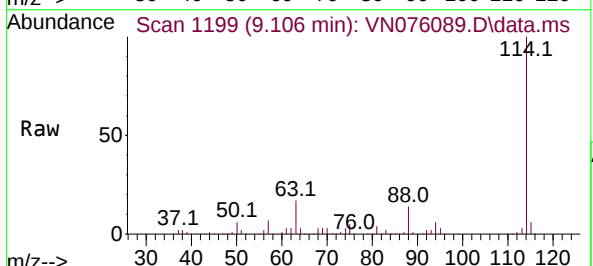
Tgt Ion: 114 Resp: 528596

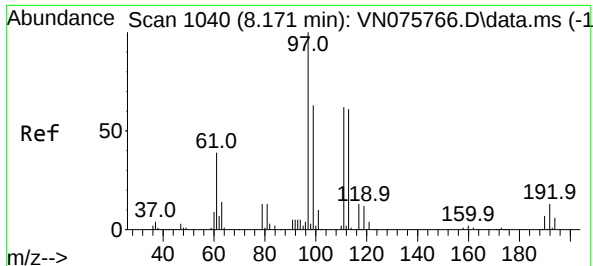
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.789 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

TP-C1

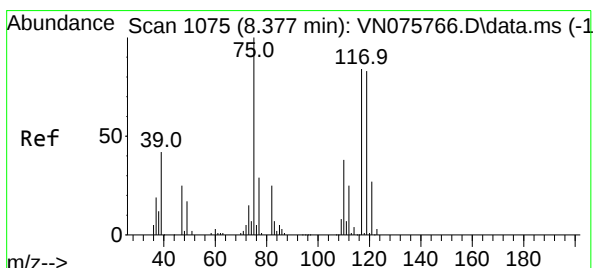
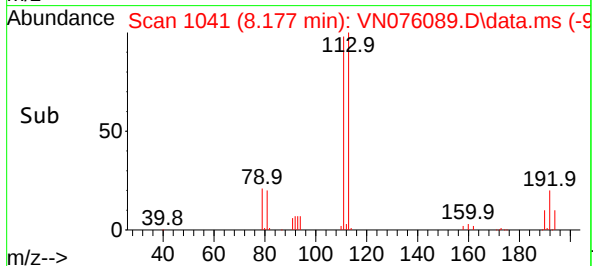
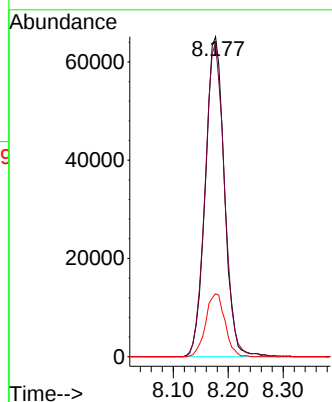
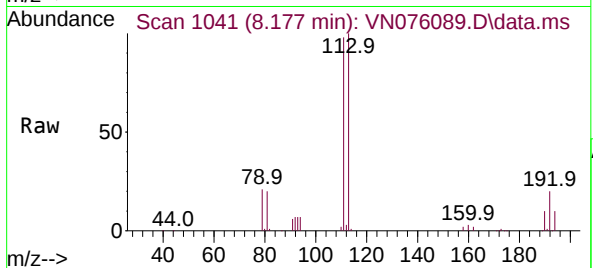
Tgt Ion:113 Resp: 156437

Ion Ratio Lower Upper

113 100

111 99.7 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.435 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

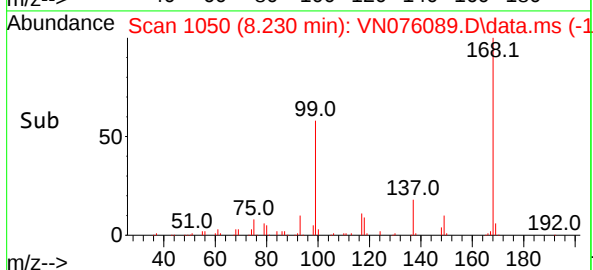
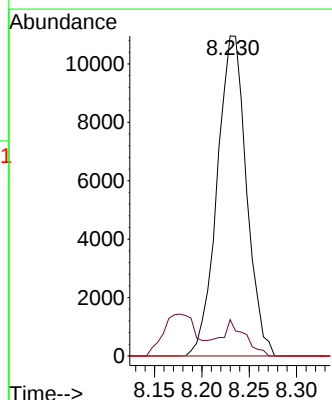
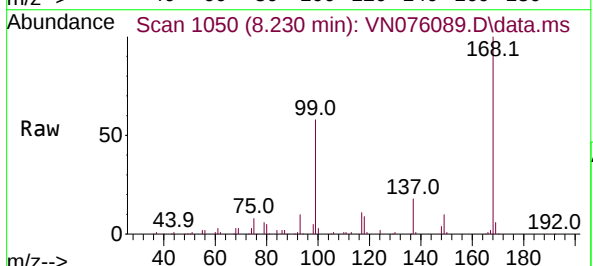
Tgt Ion: 75 Resp: 23635

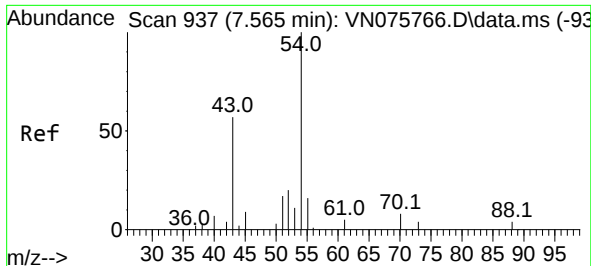
Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.4#

77 0.0 24.1 36.1#

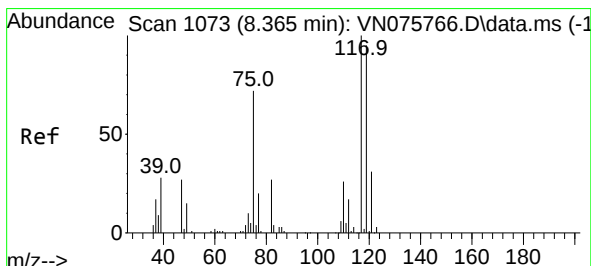
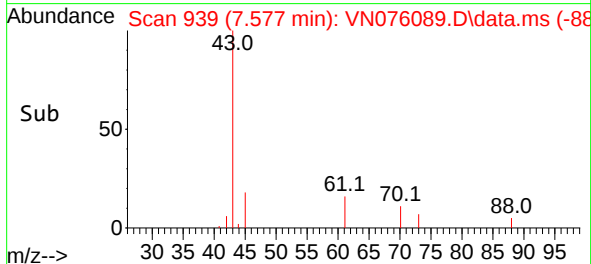
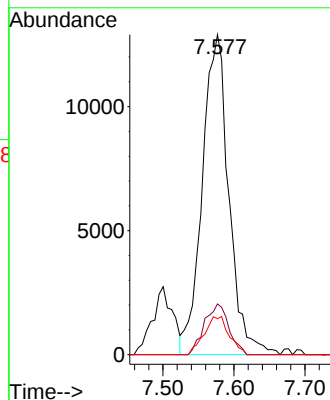
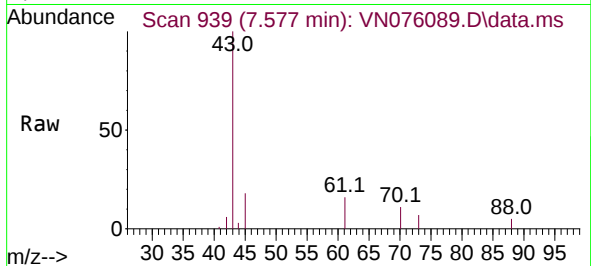




#37
Ethyl Acetate
Concen: 9.617 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

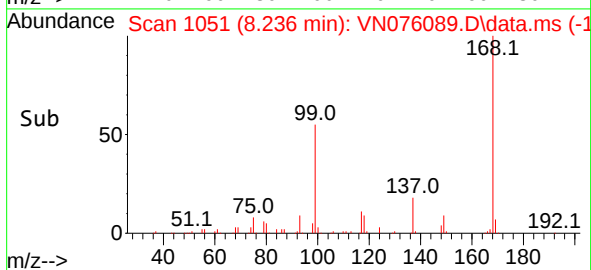
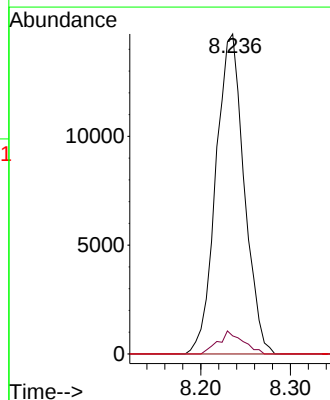
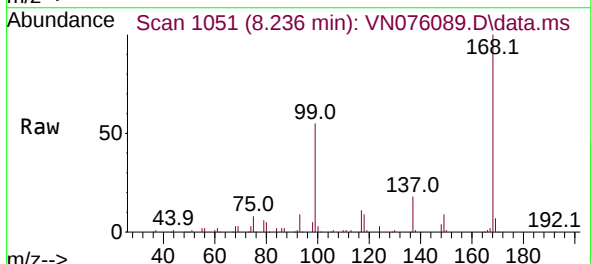
Instrument :
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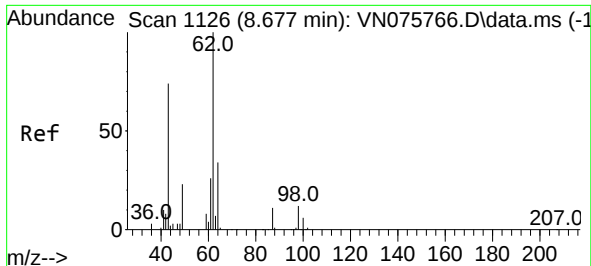
Tgt Ion: 43 Resp: 33592
Ion Ratio Lower Upper
43 100
61 14.6 13.0 19.4
70 11.2 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.612 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 117 Resp: 32180
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.357 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

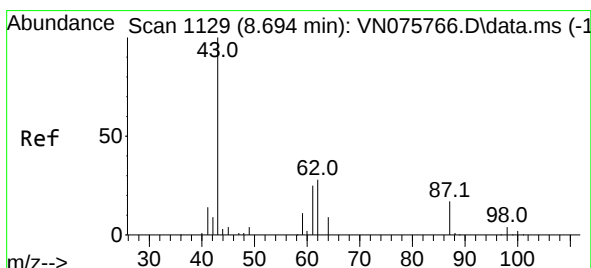
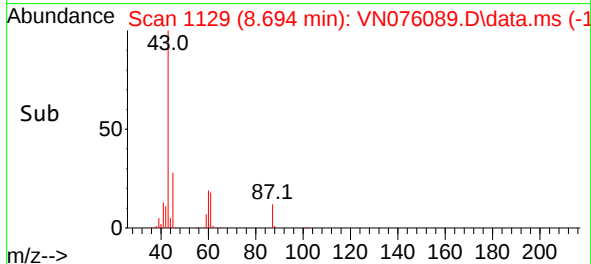
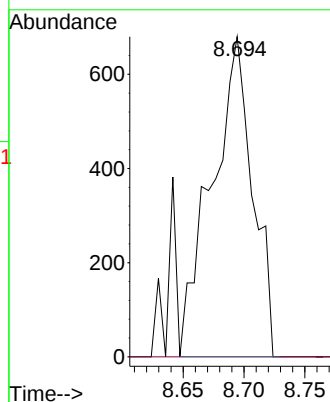
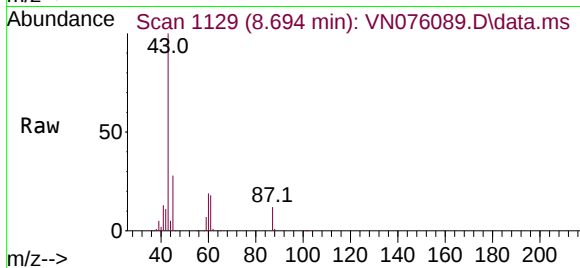
TP-C1

Tgt Ion: 62 Resp: 1591

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 58.201 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

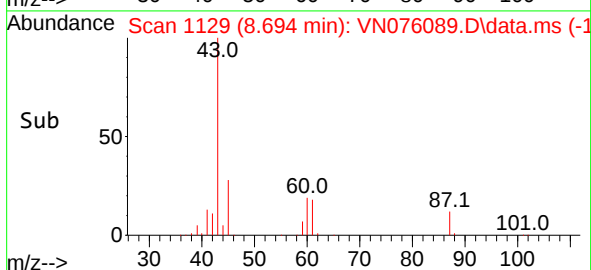
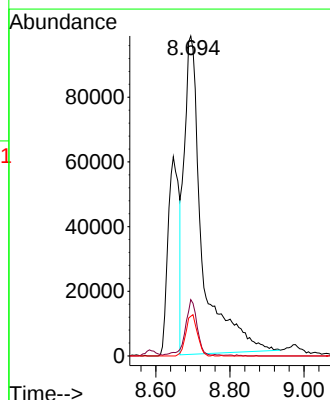
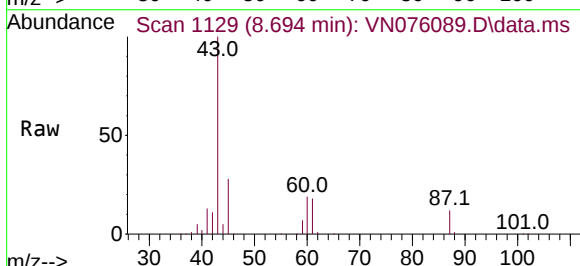
Tgt Ion: 43 Resp: 335349

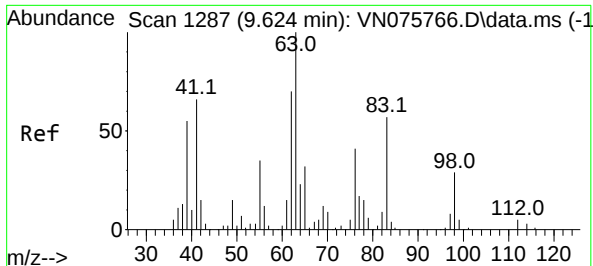
Ion Ratio Lower Upper

43 100

61 11.2 24.2 36.4#

87 8.2 13.3 19.9#





#45

1,2-Dichloropropane

Concen: 0.730 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

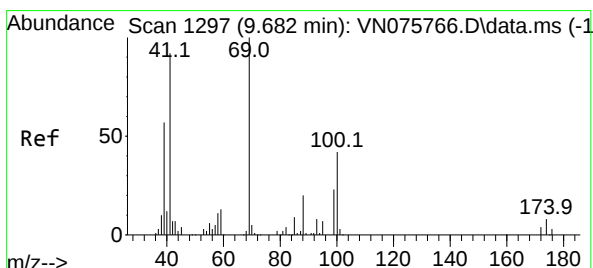
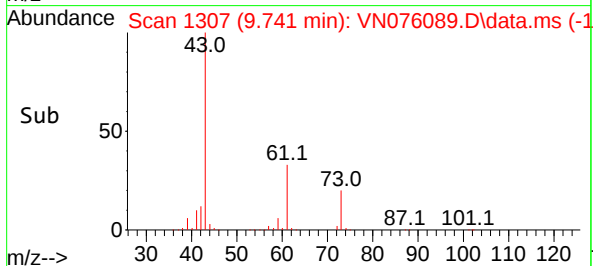
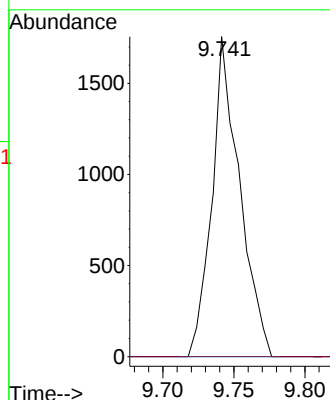
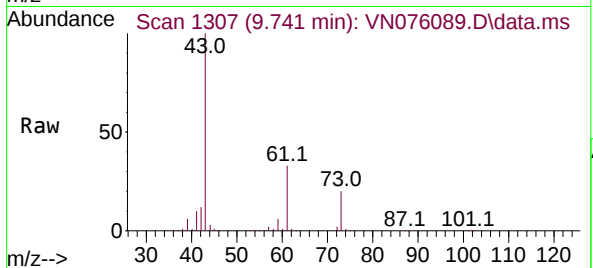
TP-C1

Tgt Ion: 63 Resp: 2383

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 1.694 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

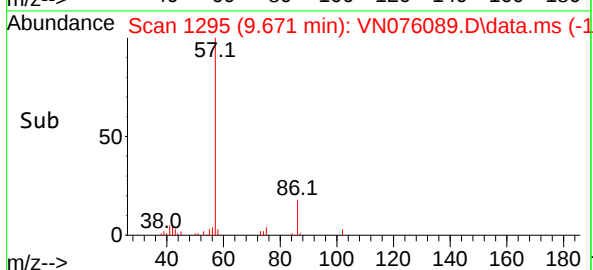
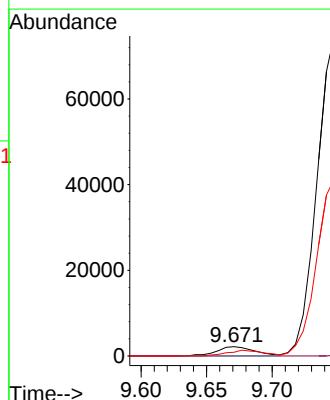
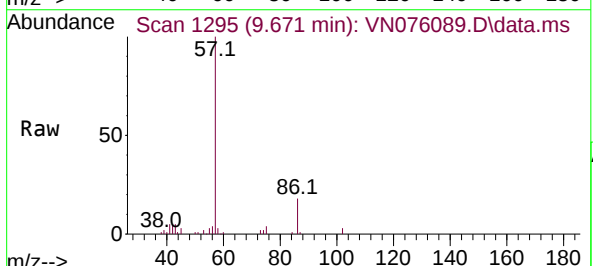
Tgt Ion: 41 Resp: 4395

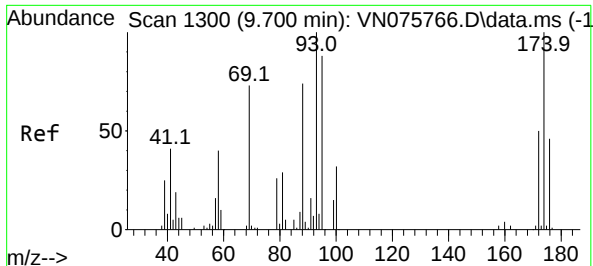
Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 57.3 51.6 77.4

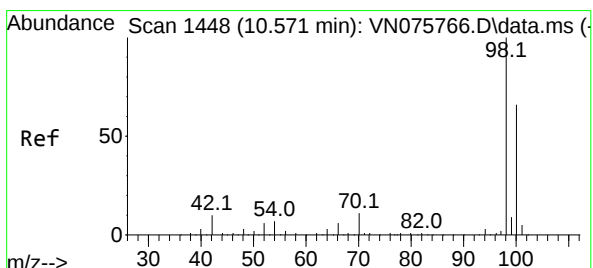
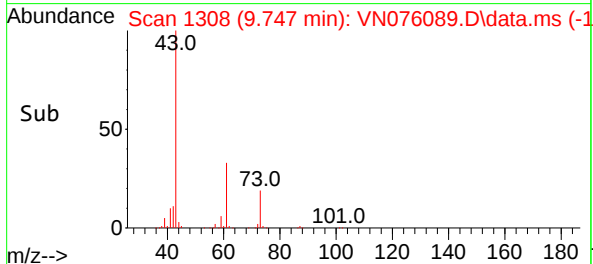
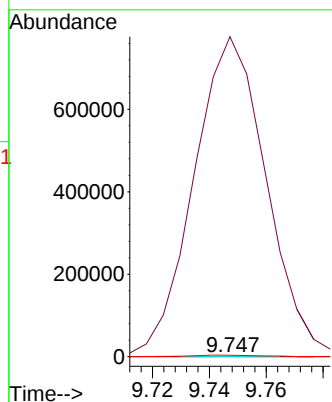
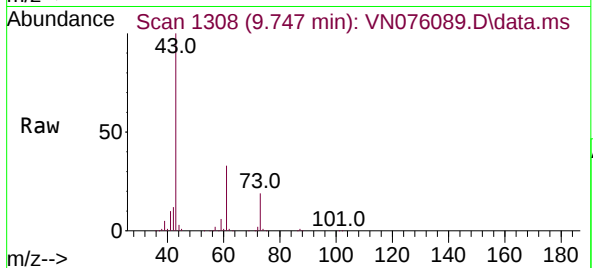




#49
1,4-Dioxane
Concen: 3.872 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

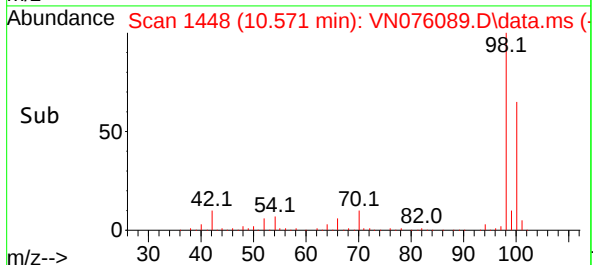
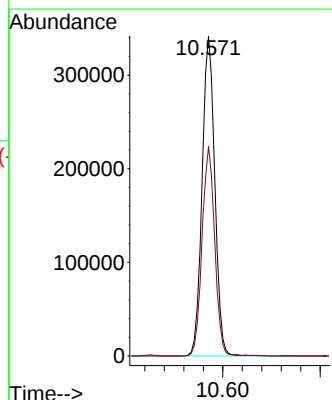
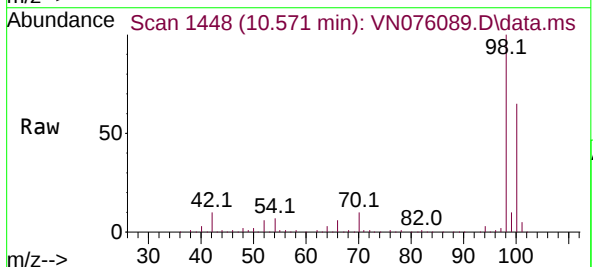
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

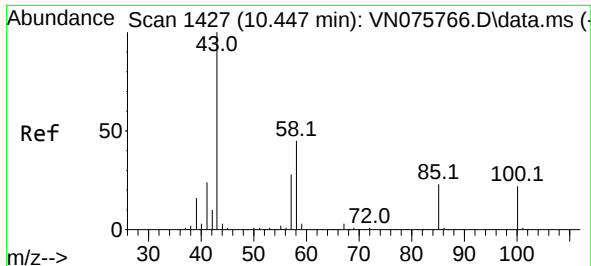
Tgt Ion: 88 Resp: 247
Ion Ratio Lower Upper
88 100
43 561259.1 17.1 25.7#
58 2778.5 47.8 71.8#



#50
Toluene-d8
Concen: 50.435 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 98 Resp: 617288
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1

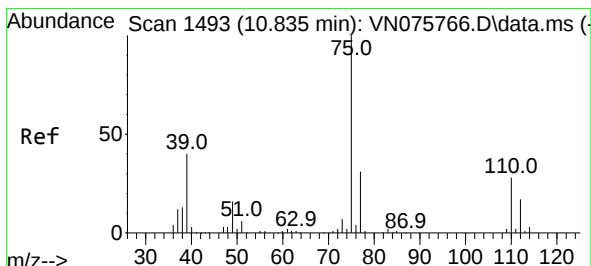
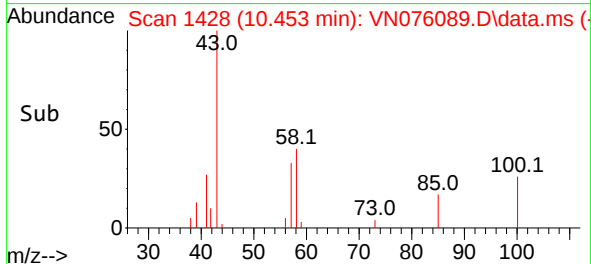
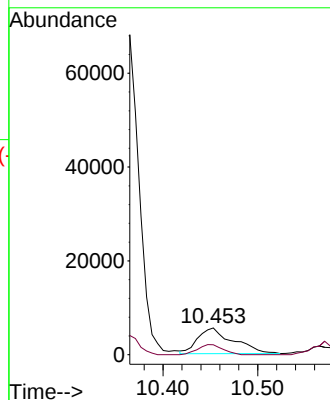
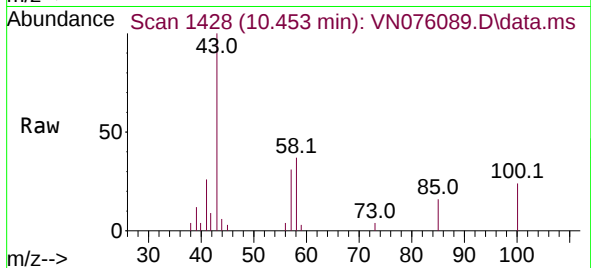




#51
4-Methyl-2-Pentanone
Concen: 4.079 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

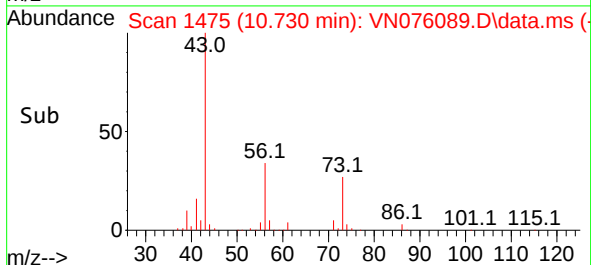
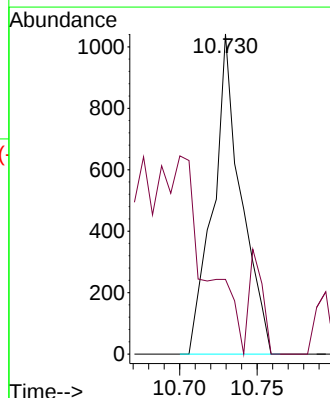
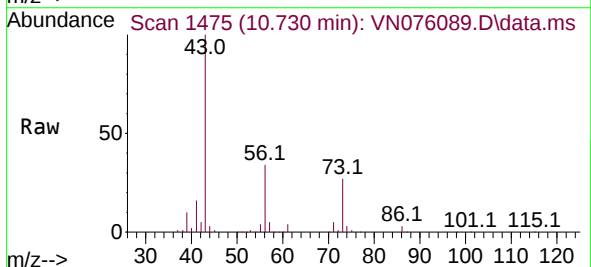
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

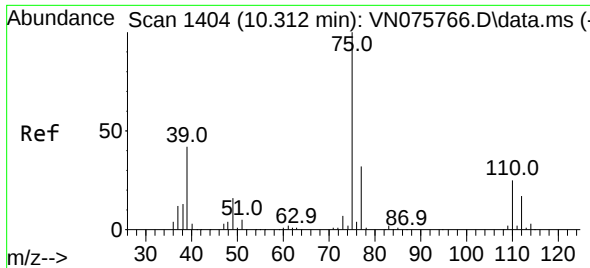
Tgt Ion: 43 Resp: 14215
Ion Ratio Lower Upper
43 100
58 27.9 35.5 53.3#



#53
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 75 Resp: 1305
Ion Ratio Lower Upper
75 100
77 23.3 24.9 37.3#

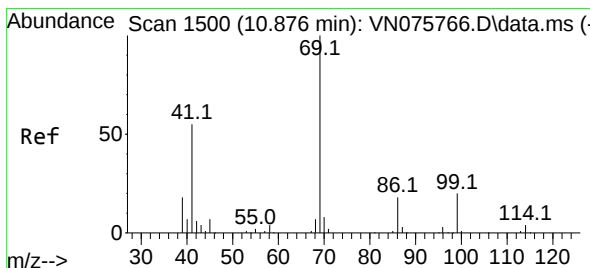
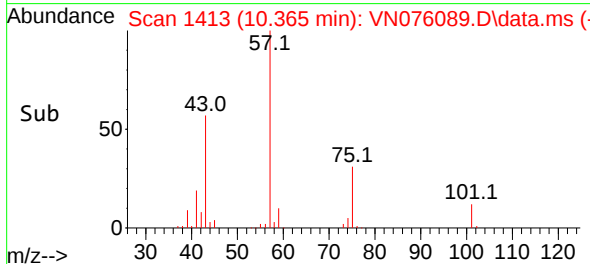
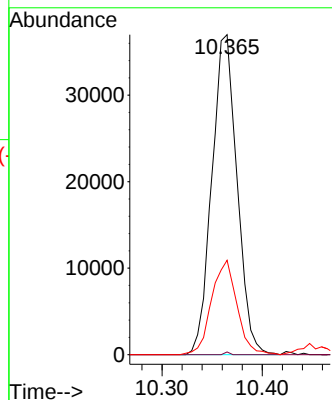
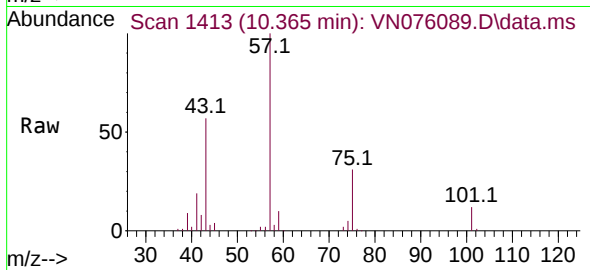




#54
 cis-1,3-Dichloropropene
 Concen: 12.632 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN076089.D
 Acq: 04 Jan 2023 18:18

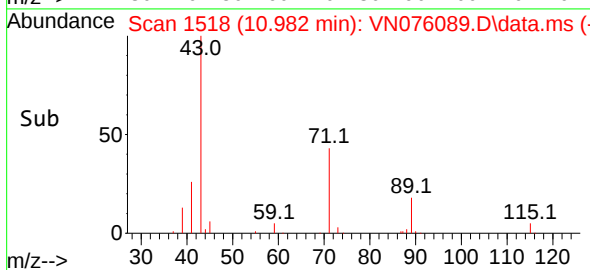
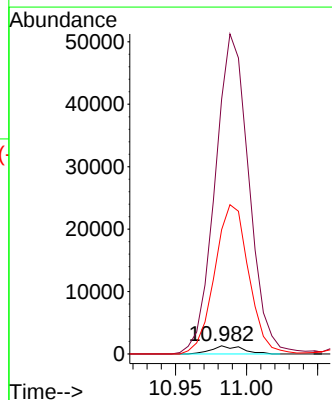
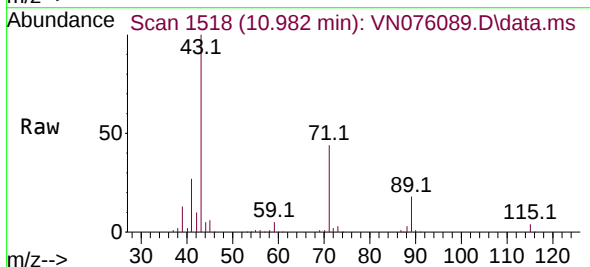
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C1

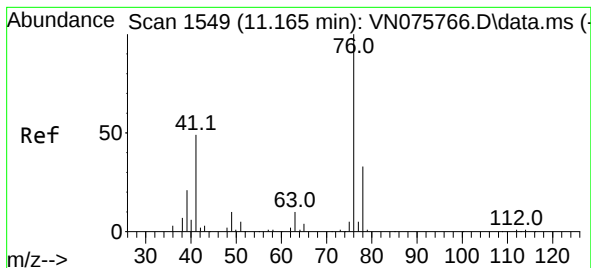
Tgt Ion: 75 Resp: 64472
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.8 38.8#
 39 29.5 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.435 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.106 min
 Lab File: VN076089.D
 Acq: 04 Jan 2023 18:18

Tgt Ion: 69 Resp: 1983
 Ion Ratio Lower Upper
 69 100
 41 4295.1 44.2 66.4#
 39 2015.5 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.472 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

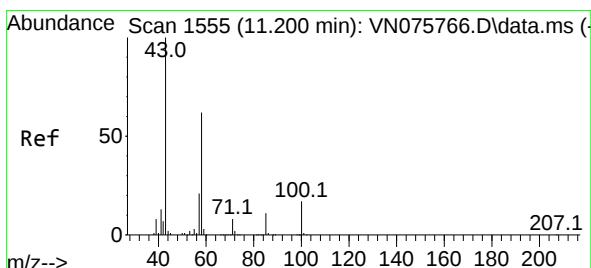
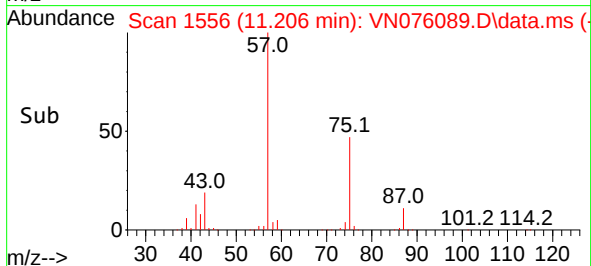
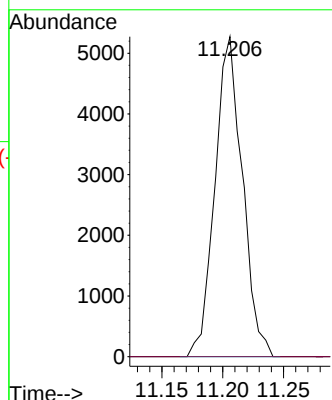
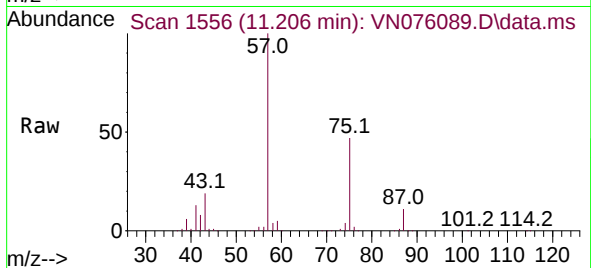
TP-C1

Tgt Ion: 76 Resp: 8280

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 47.774 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076089.D

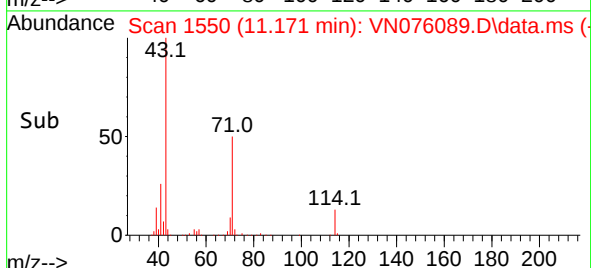
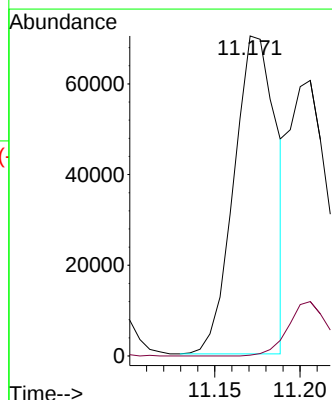
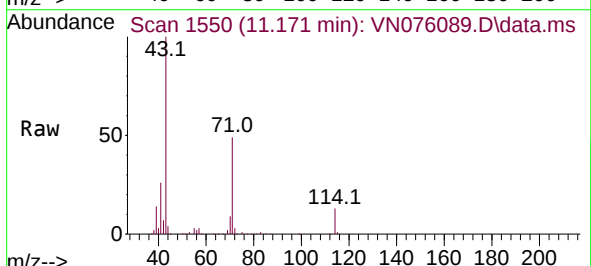
Acq: 04 Jan 2023 18:18

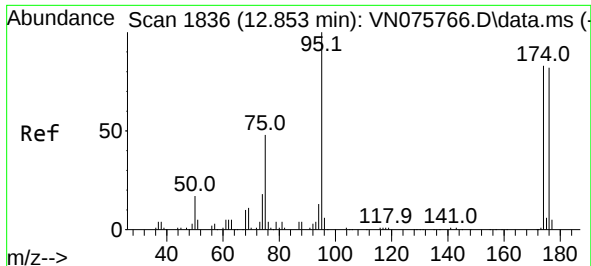
Tgt Ion: 43 Resp: 121401

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

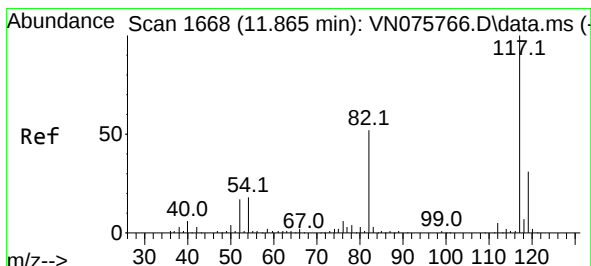
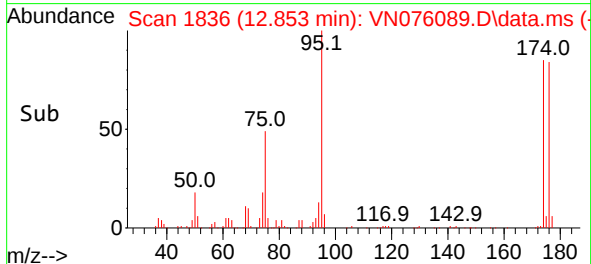
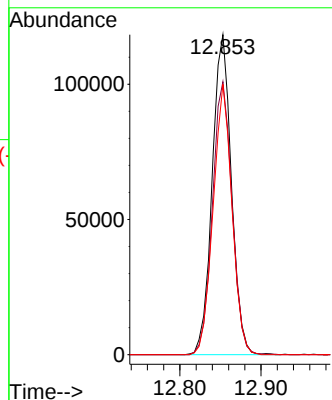
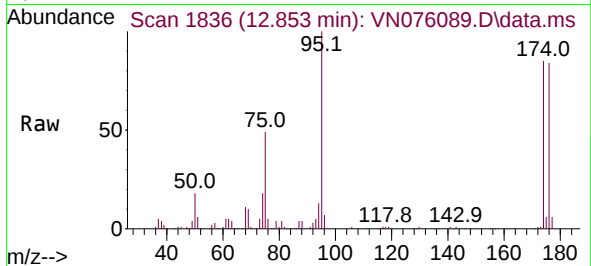




#62
4-Bromofluorobenzene
Concen: 47.886 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

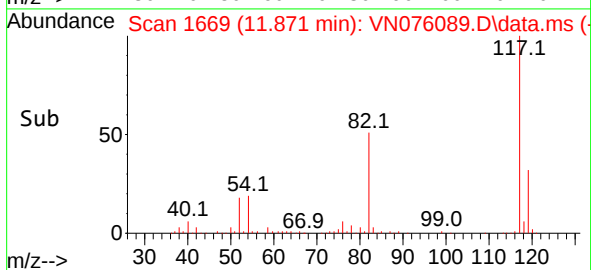
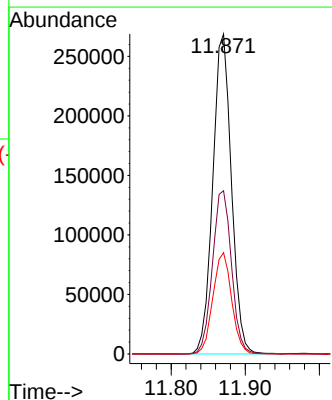
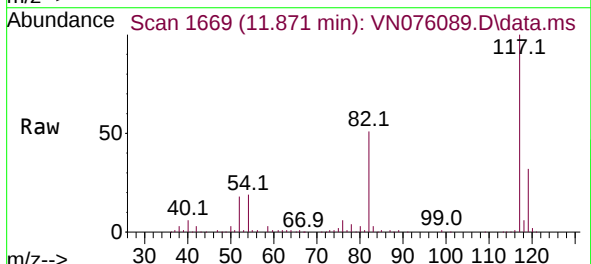
Instrument :
MSVOA_N
ClientSampleId :
TP-C1

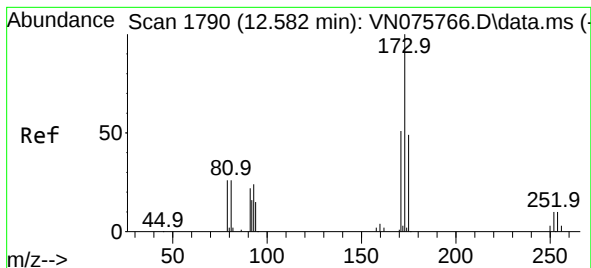
Tgt Ion: 95 Resp: 194120
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 83.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 117 Resp: 469071
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 31.7 24.6 37.0





#71

Bromoform

Concen: 0.585 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

TP-C1

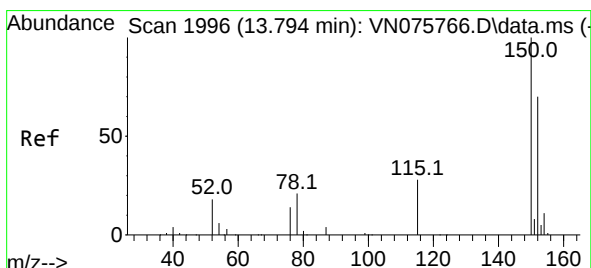
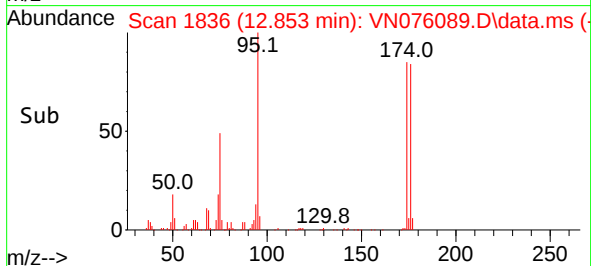
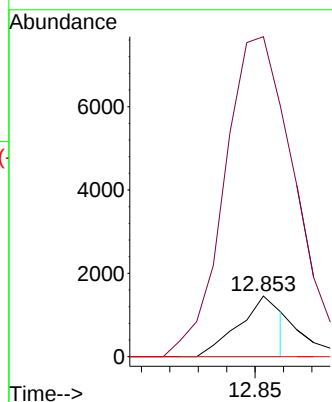
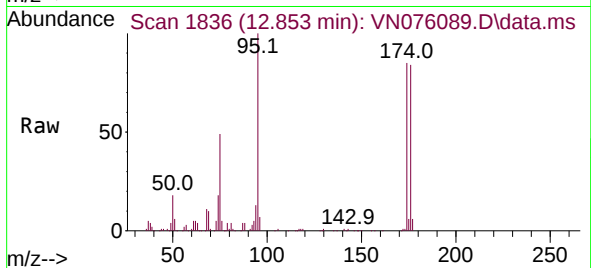
Tgt Ion:173 Resp: 1518

Ion Ratio Lower Upper

173 100

175 698.2 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: VN076089.D

Acq: 04 Jan 2023 18:18

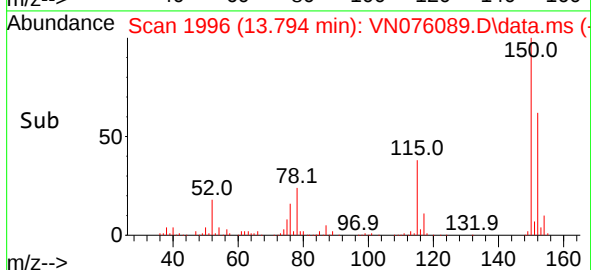
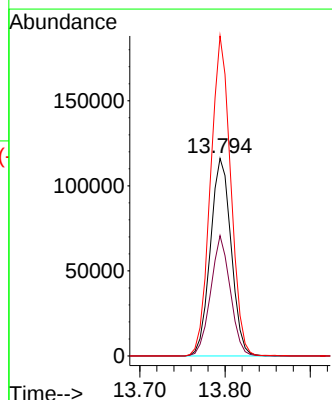
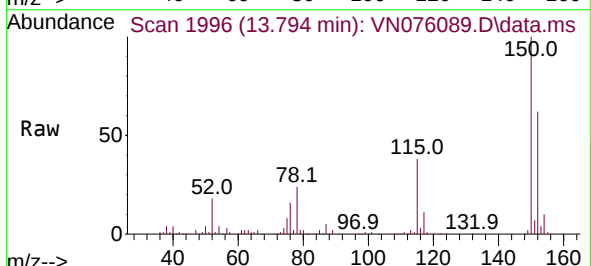
Tgt Ion:152 Resp: 196537

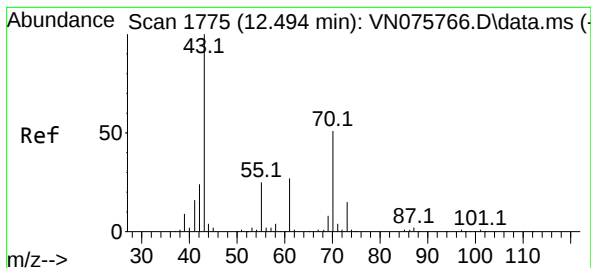
Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.4

150 157.5 0.0 347.0





#74

N-amy1 acetate

Concen: 0.405 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076089.D

Acq: 04 Jan 2023 18:18

Instrument :

MSVOA_N

ClientSampleId :

TP-C1

Tgt Ion: 43 Resp: 1686

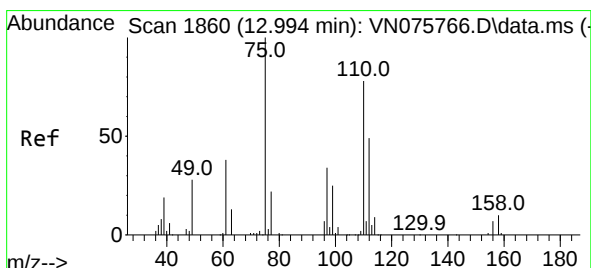
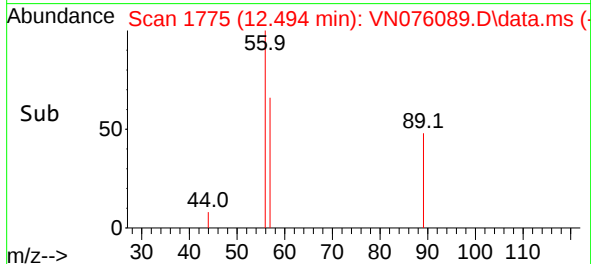
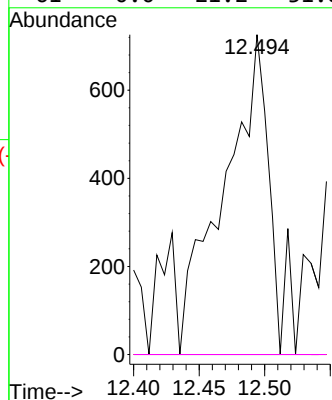
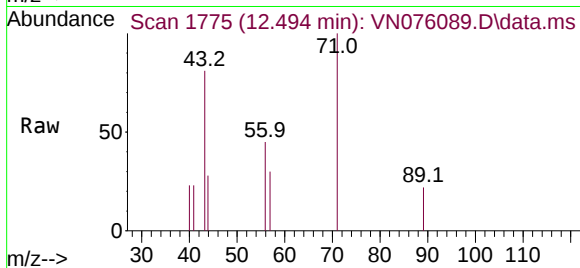
Ion Ratio Lower Upper

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: 25.080 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076089.D

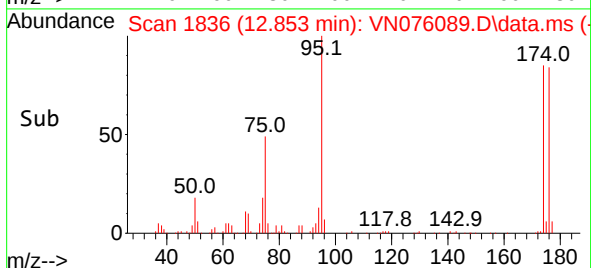
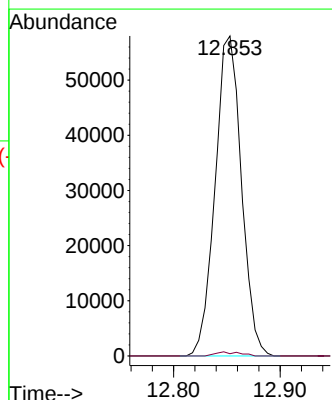
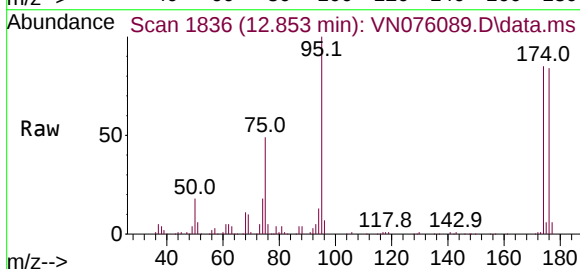
Acq: 04 Jan 2023 18:18

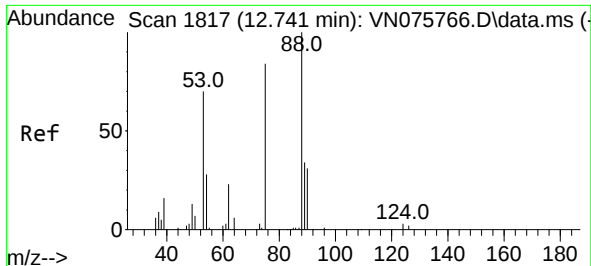
Tgt Ion: 75 Resp: 99361

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#

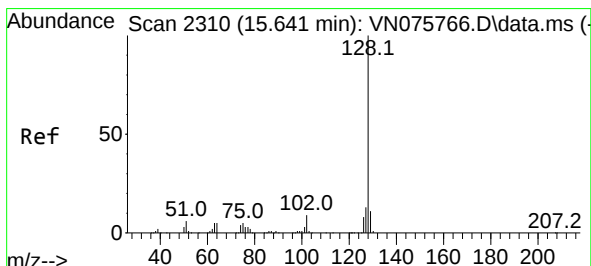
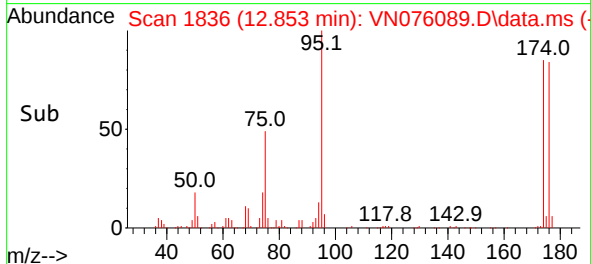
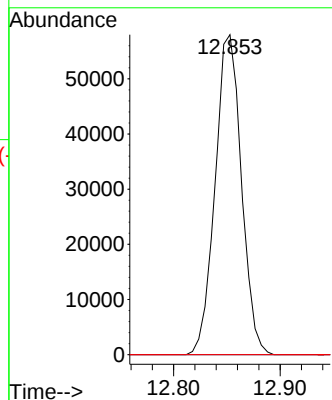
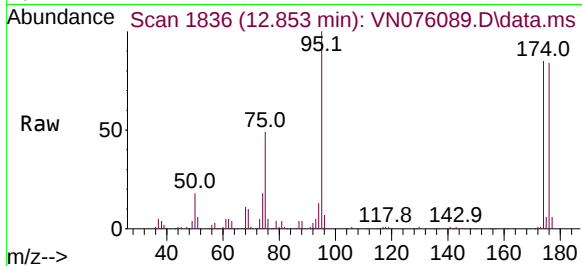




#81
trans-1,4-Dichloro-2-butene
Concen: 90.277 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Instrument :
MSVOA_N
ClientSampleId :
TP-C1

Tgt Ion: 75 Resp: 99361
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.227 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN076089.D
Acq: 04 Jan 2023 18:18

Tgt Ion: 128 Resp: 553
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

