

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022160.D
 Acq On : 05 May 2025 15:31
 Operator : SY/MD
 Sample : Q1936-06
 Misc : 7.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SMALL-PILE-C

Quant Time: May 06 05:22:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	226170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139055	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118044	56.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.000%	
35) Dibromofluoromethane	7.634	113	147191	50.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.840%	
50) Toluene-d8	10.109	98	535484	49.135	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.260%	
62) 4-Bromofluorobenzene	12.408	95	143263	39.049	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.100%	

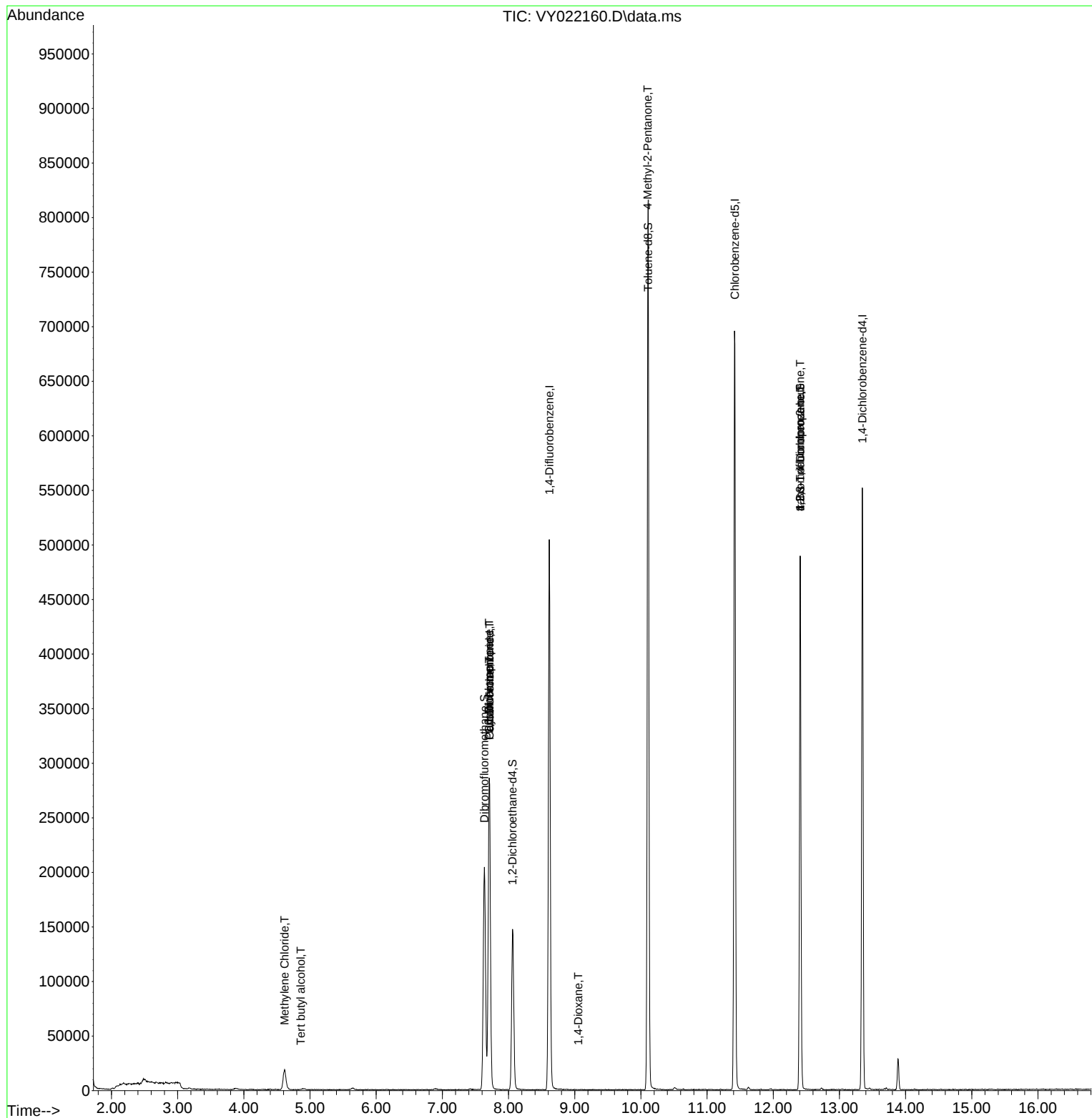
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.860	59	164	1.430	ug/l #	70
16) Acetone	3.879	43	2290	Below Cal	#	80
20) Methylene Chloride	4.616	84	14210	5.379	ug/l #	89
31) Cyclohexane	7.707	56	4444	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17268	4.447	ug/l #	48
38) Carbon Tetrachloride	7.713	117	23081	4.974	ug/l #	15
49) 1,4-Dioxane	9.055	88	39	2.178	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	1910	1.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	72927	61.228	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	72927	147.446	ug/l #	16

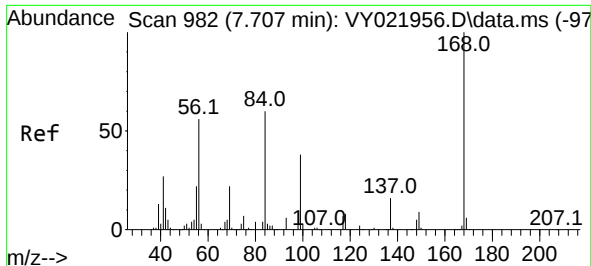
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

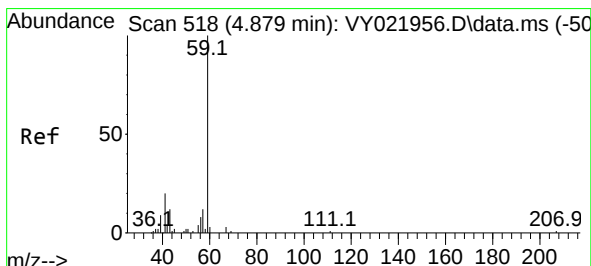
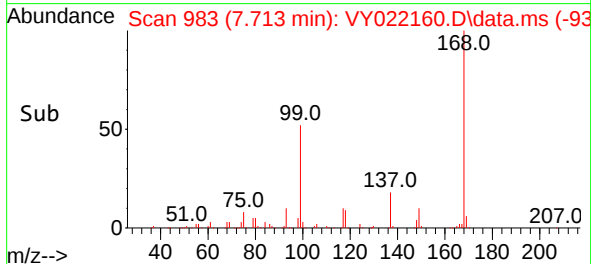
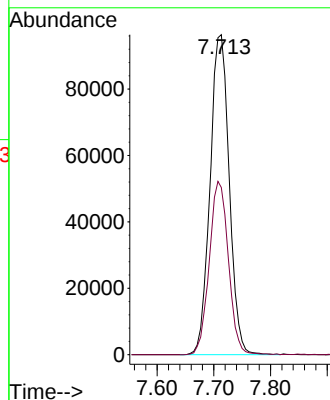
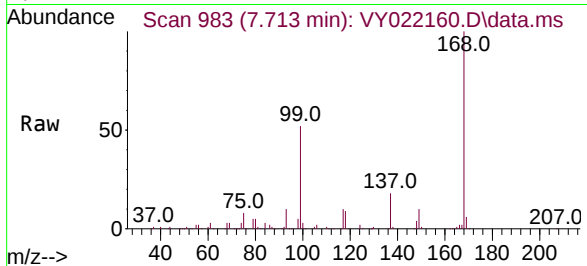




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

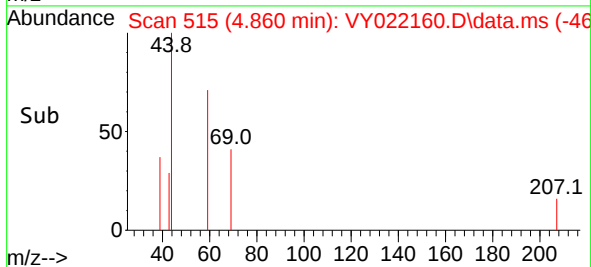
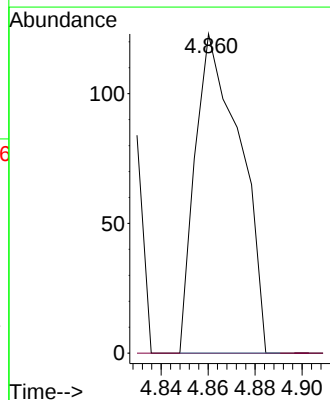
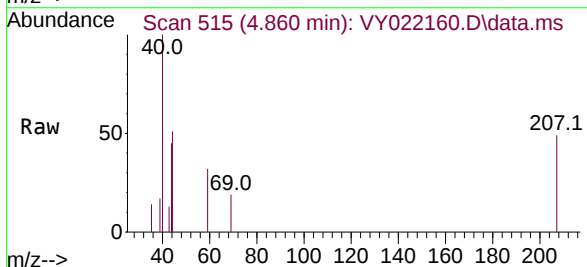
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

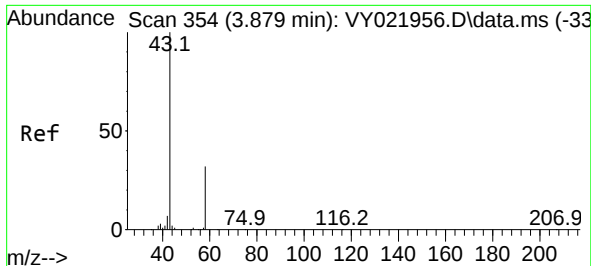
Tgt Ion:168 Resp: 226170
Ion Ratio Lower Upper
168 100
99 52.3 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.430 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

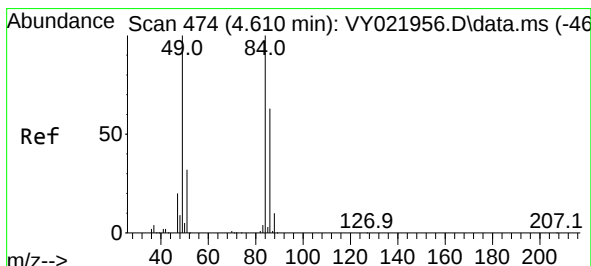
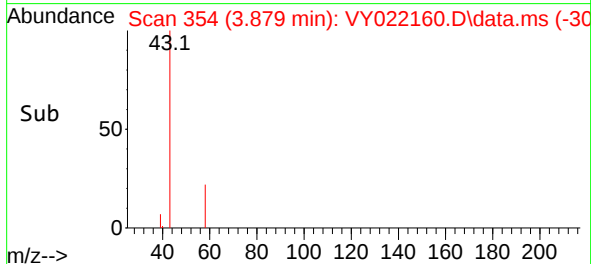
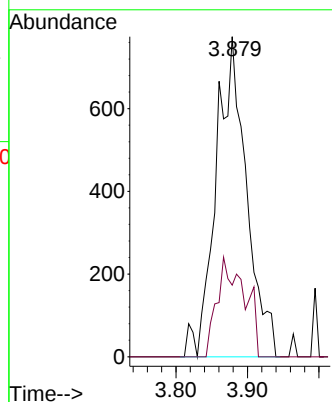
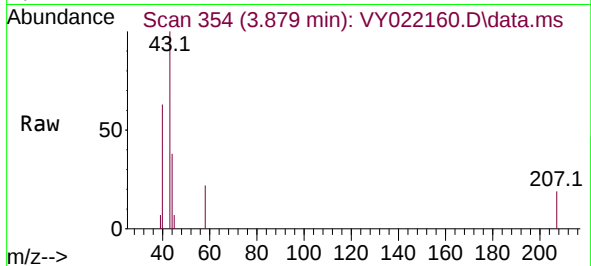




#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

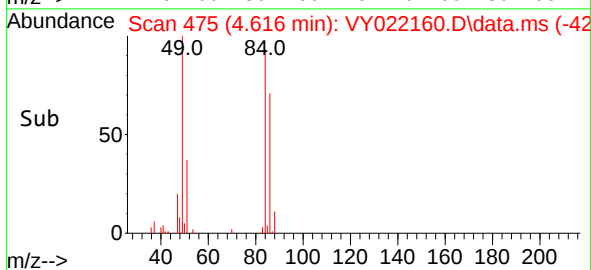
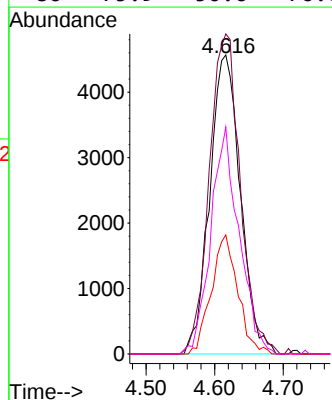
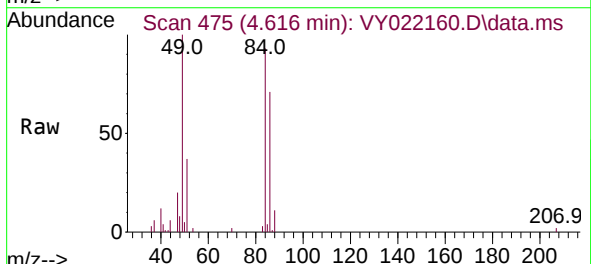
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

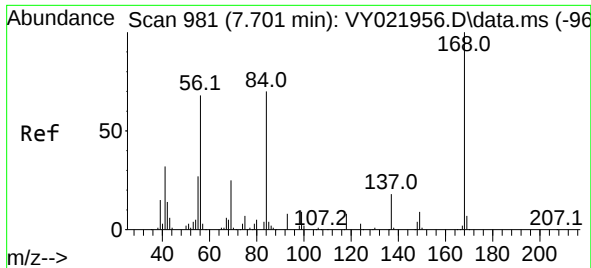
Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
58 22.4 27.0 40.4#



#20
Methylene Chloride
Concen: 5.379 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion: 84 Resp: 14210
Ion Ratio Lower Upper
84 100
49 107.0 79.9 119.9
51 39.8 25.4 38.0#
86 75.9 50.6 76.0

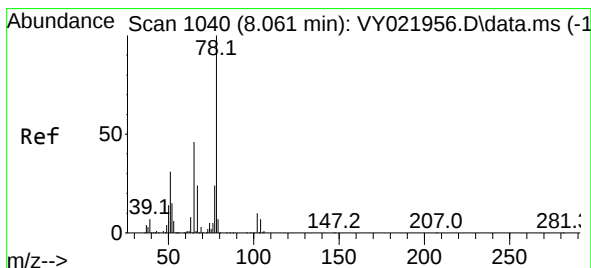
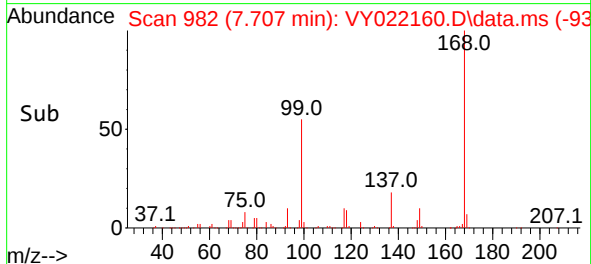
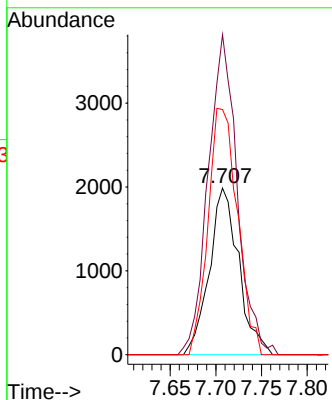
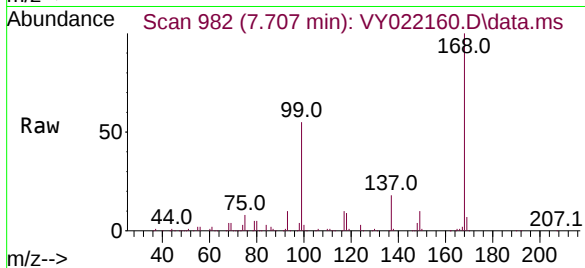




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

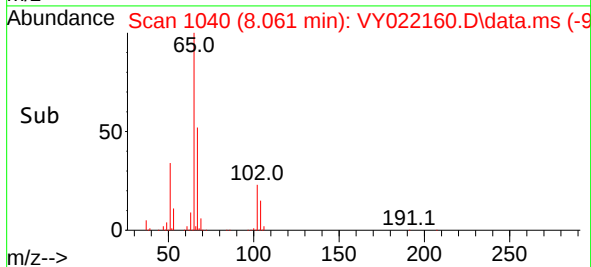
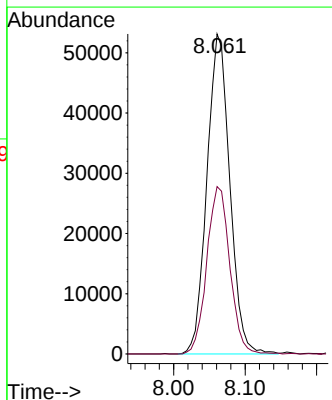
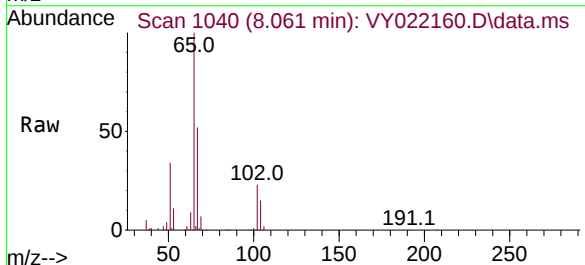
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

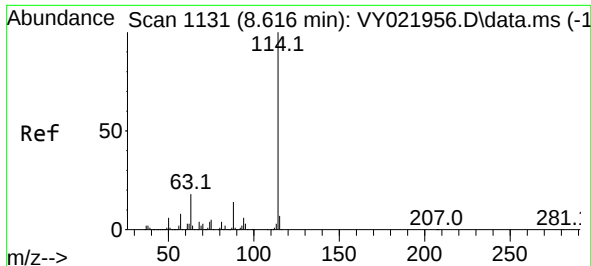
Tgt Ion: 56 Resp: 4444
Ion Ratio Lower Upper
56 100
69 192.0 29.4 44.2#
84 147.1 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 56.505 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion: 65 Resp: 118044
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

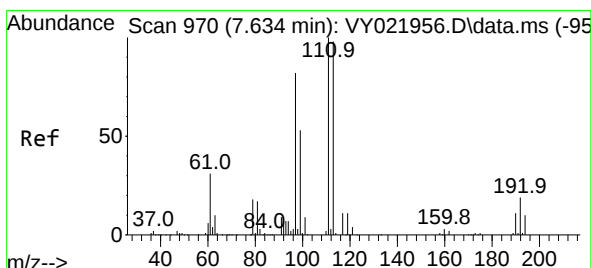
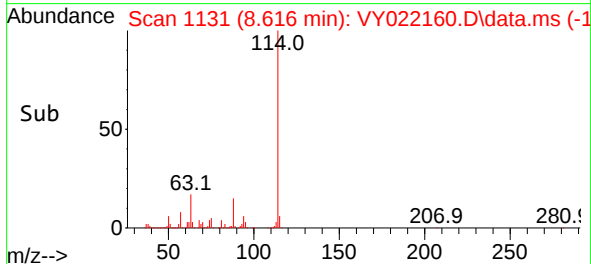
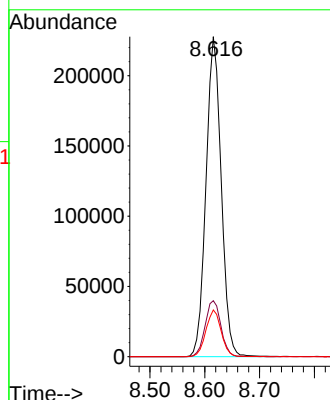
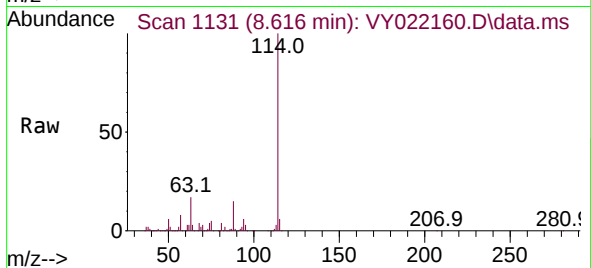




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

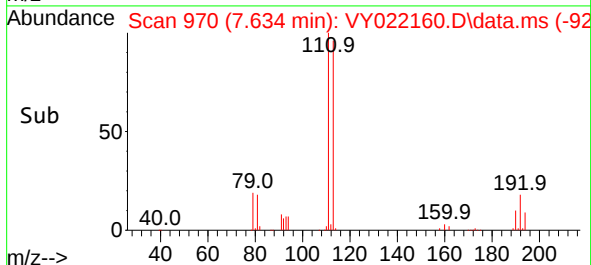
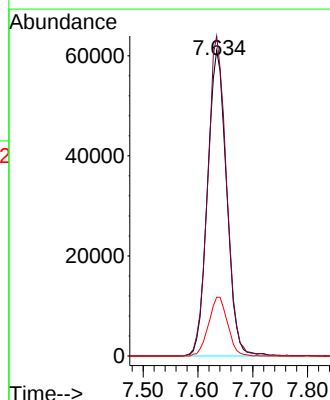
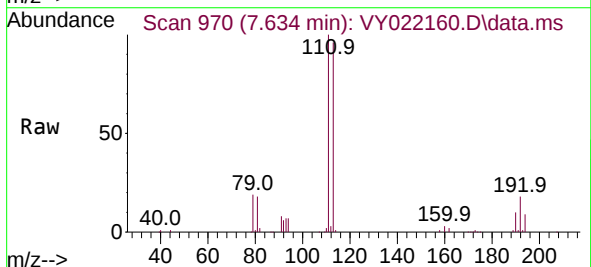
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

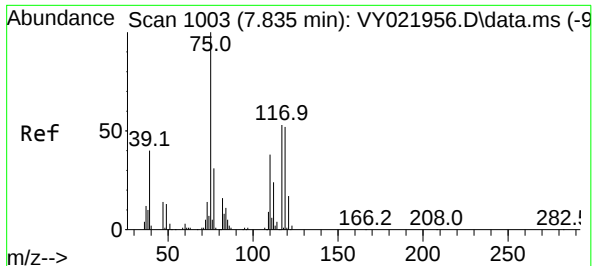
Tgt Ion:114 Resp: 437566
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.917 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion:113 Resp: 147191
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 19.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.447 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022160.D

Acq: 05 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SMALL-PILE-C

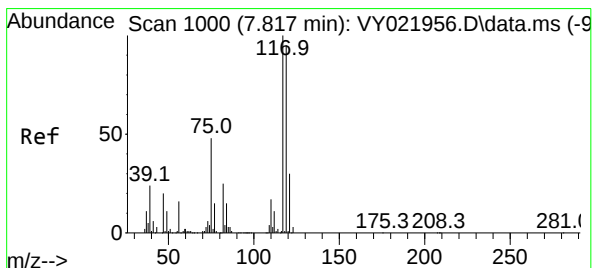
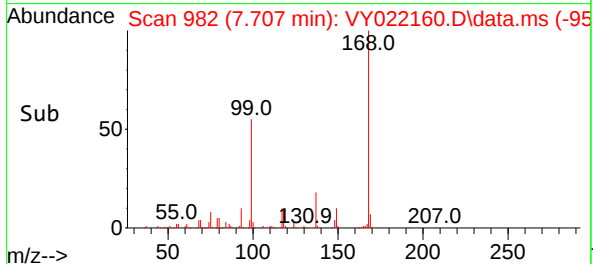
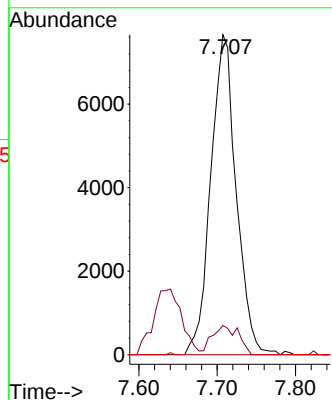
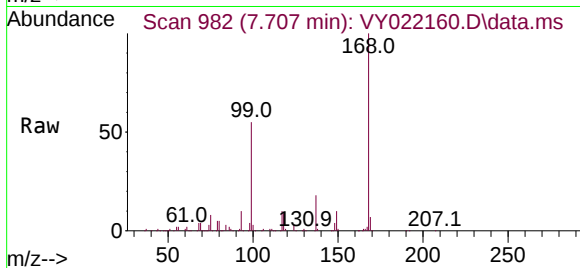
Tgt Ion: 75 Resp: 17268

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.974 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022160.D

Acq: 05 May 2025 15:31

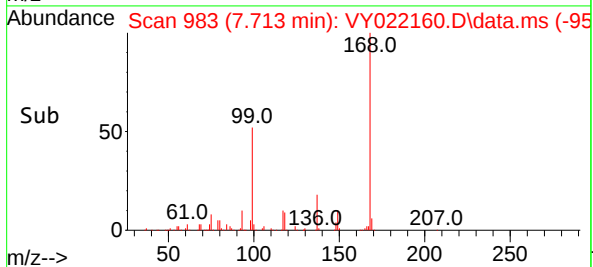
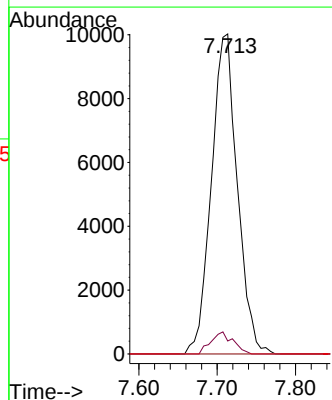
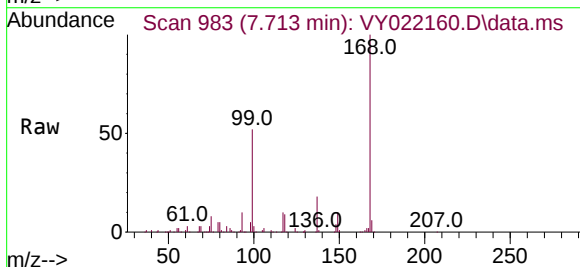
Tgt Ion: 117 Resp: 23081

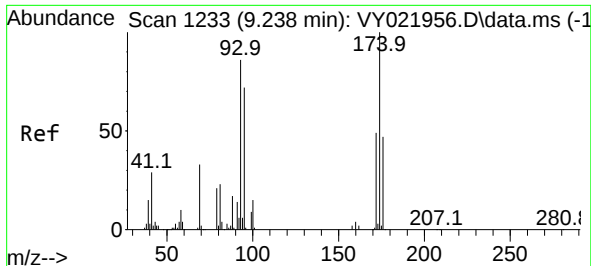
Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.4#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 2.178 ug/l

RT: 9.055 min Scan# 11

Delta R.T. -0.183 min

Lab File: VY022160.D

Acq: 05 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SMALL-PILE-C

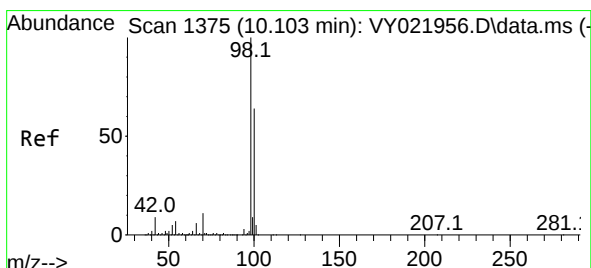
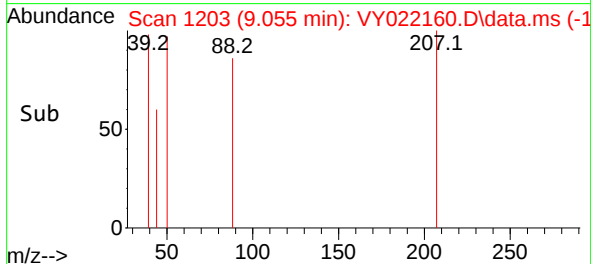
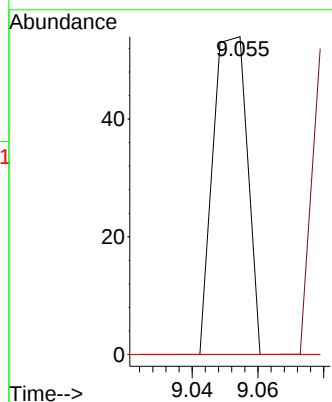
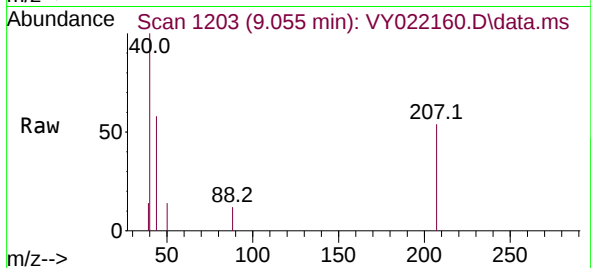
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 49.135 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022160.D

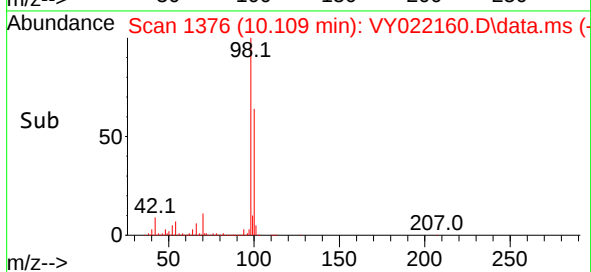
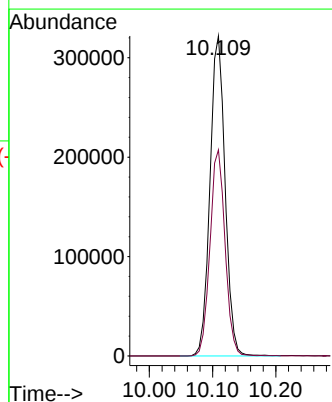
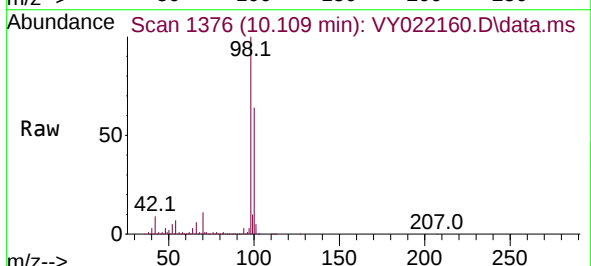
Acq: 05 May 2025 15:31

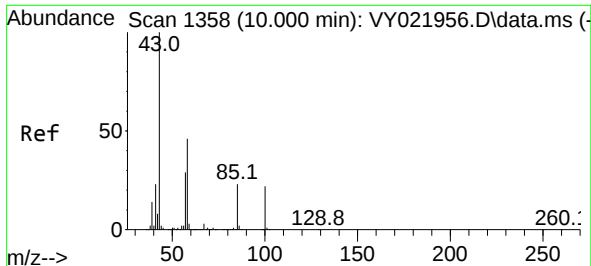
Tgt Ion: 98 Resp: 535484

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4

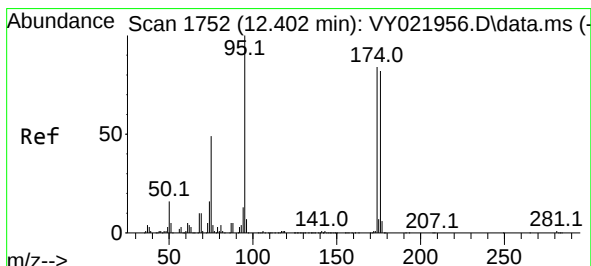
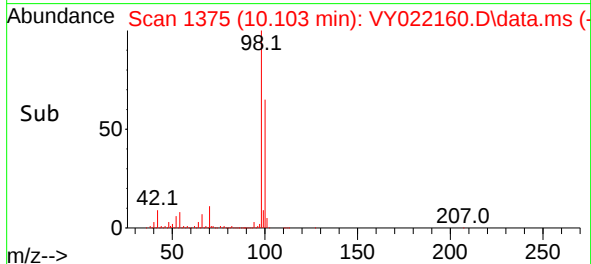
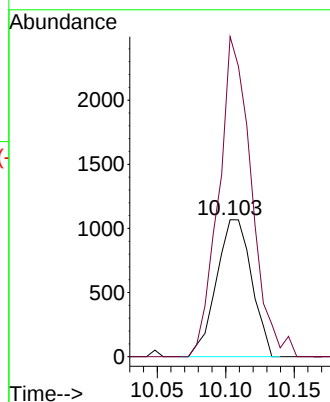
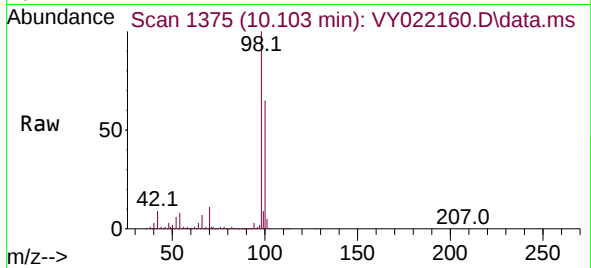




#51
4-Methyl-2-Pentanone
Concen: 1.360 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

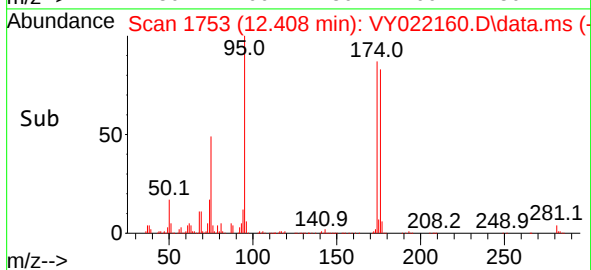
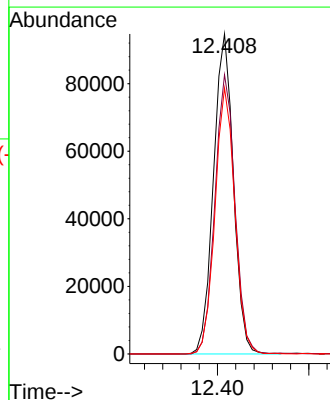
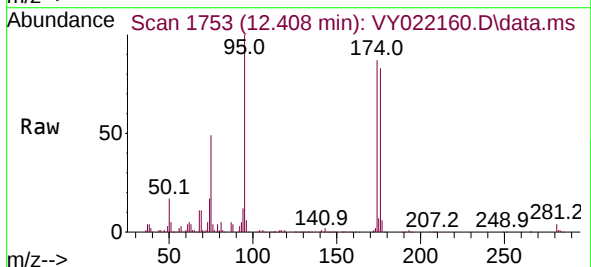
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

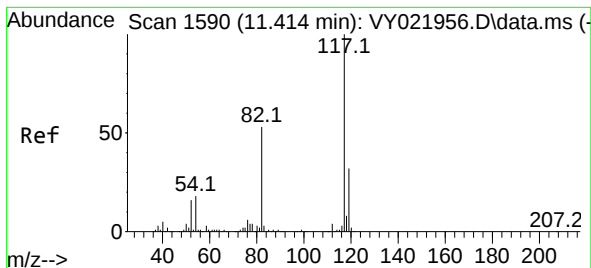
Tgt Ion: 43 Resp: 1910
Ion Ratio Lower Upper
43 100
58 217.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.049 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion: 95 Resp: 143263
Ion Ratio Lower Upper
95 100
174 88.0 0.0 179.0
176 82.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022160.D

Acq: 05 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

SMALL-PILE-C

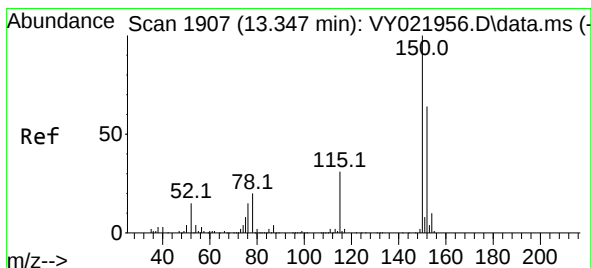
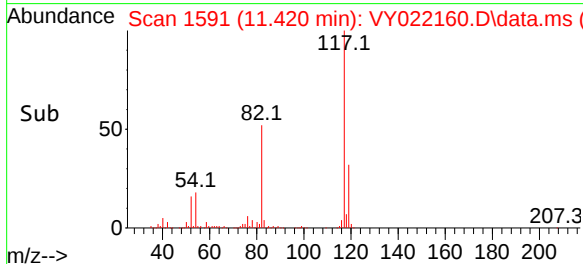
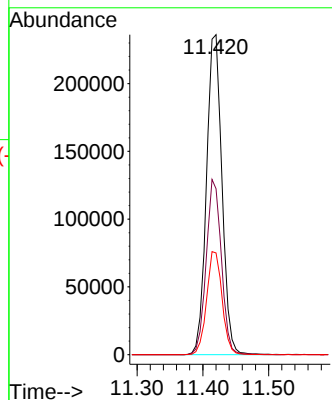
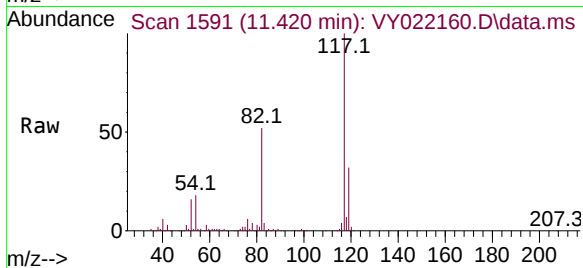
Tgt Ion:117 Resp: 386057

Ion Ratio Lower Upper

117 100

82 51.9 42.1 63.1

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022160.D

Acq: 05 May 2025 15:31

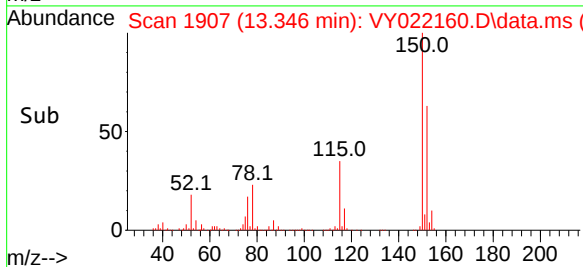
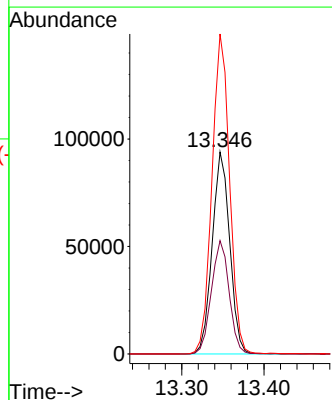
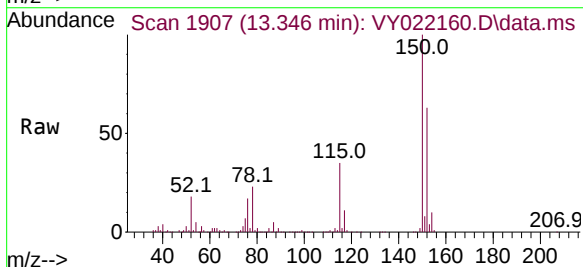
Tgt Ion:152 Resp: 139055

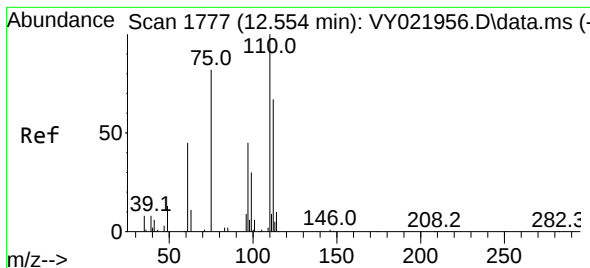
Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 159.0 0.0 345.6

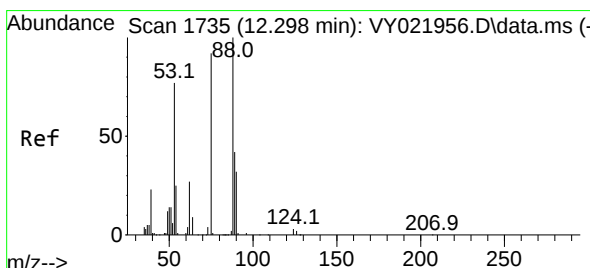
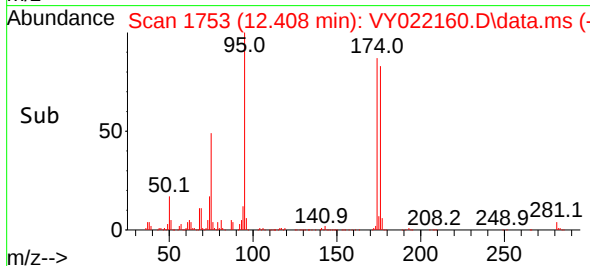
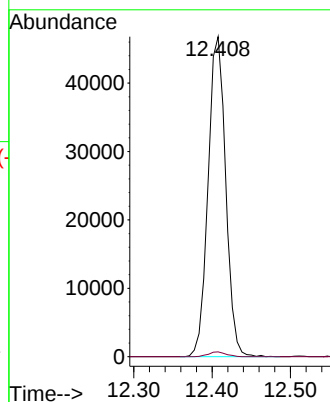
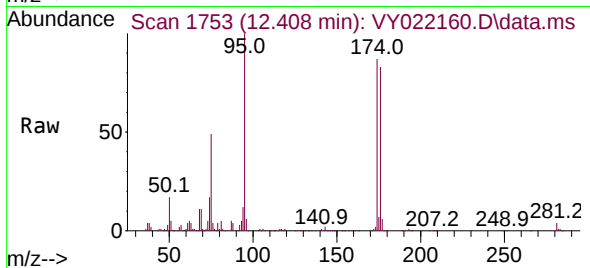




#76
1,2,3-Trichloropropane
Concen: 61.228 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-C

Tgt Ion: 75 Resp: 72927
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.446 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022160.D
Acq: 05 May 2025 15:31

Tgt Ion: 75 Resp: 72927
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.1 37.2 55.8#

