

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022857.D
 Acq On : 27 Jun 2025 13:22
 Operator : SY/MD
 Sample : Q2436-02
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-69

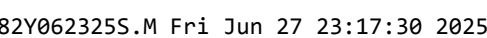
Quant Time: Jun 27 23:17:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	340803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	625770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	598373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	255220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178070	46.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.620%		
35) Dibromofluoromethane	7.640	113	189953	49.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.820%		
50) Toluene-d8	10.109	98	748141	49.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.408	95	262926	54.160	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.320%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	350	1.384	ug/l #	73
13) Acrolein	3.659	56	395	1.152	ug/l #	14
16) Acetone	3.879	43	59812	83.196	ug/l	96
17) Carbon Disulfide	4.110	76	11378	1.021	ug/l #	95
20) Methylene Chloride	4.622	84	28478	6.272	ug/l	93
25) 2-Butanone	6.909	43	10979	10.493	ug/l	98
31) Cyclohexane	7.713	56	7967	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28892	5.009	ug/l #	50
37) Ethyl Acetate	6.909	43	10979	4.411	ug/l #	69
38) Carbon Tetrachloride	7.713	117	34335	5.641	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.835	63	19	15.663	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	148516	56.999	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	148516	144.002	ug/l #	11

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

Quant Time: Jun 27 23:17:19 2025
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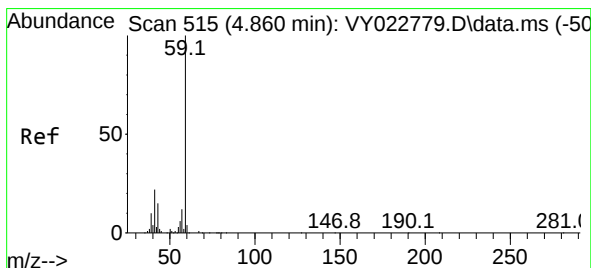
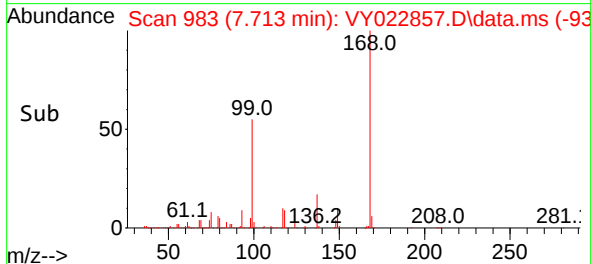
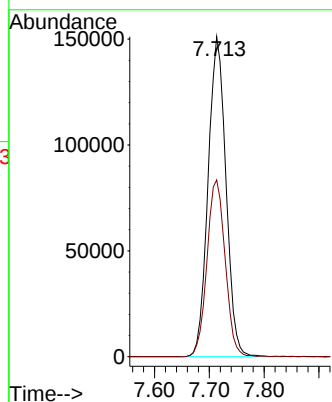
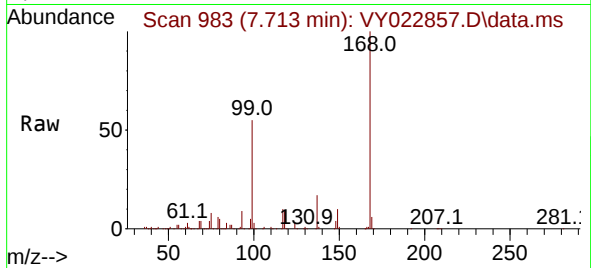




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

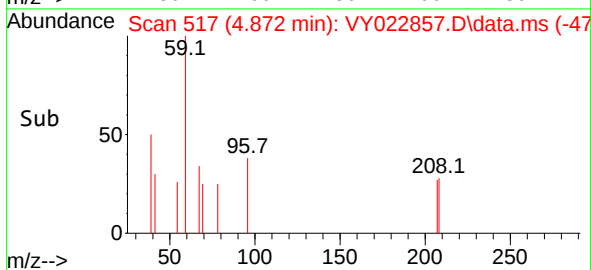
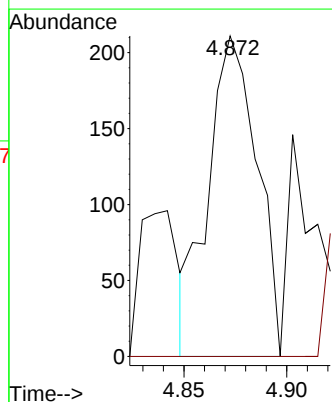
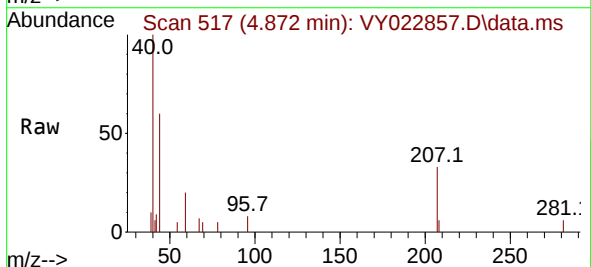
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

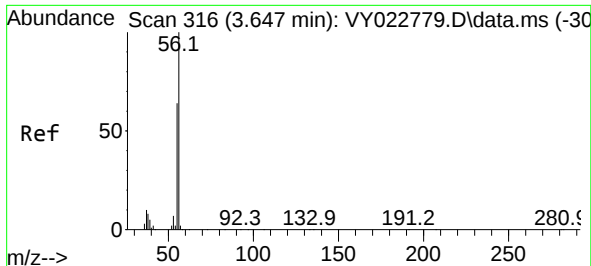
Tgt Ion:168 Resp: 340803
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.384 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

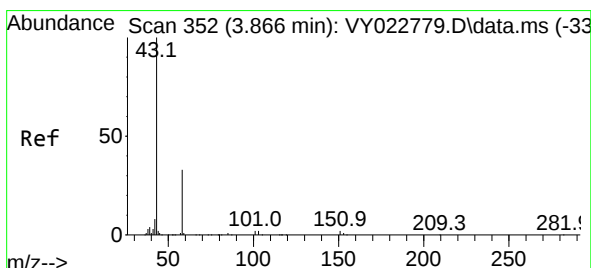
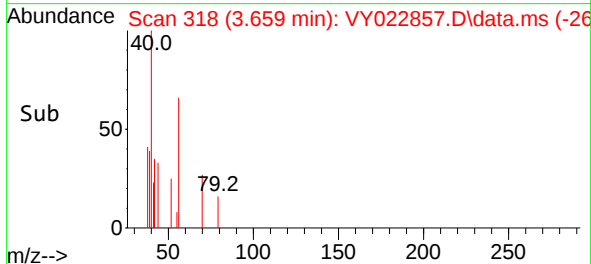
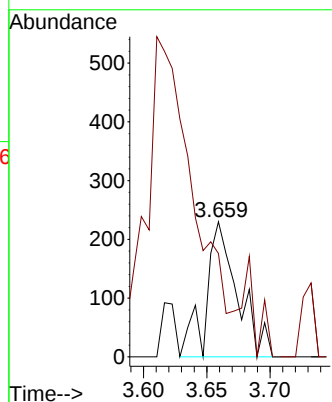
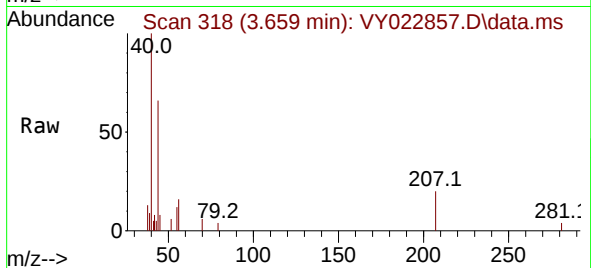




#13
Acrolein
Concen: 1.152 ug/l
RT: 3.659 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

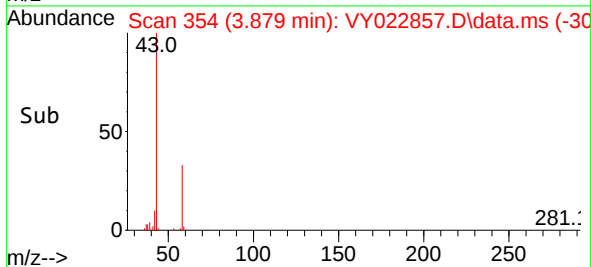
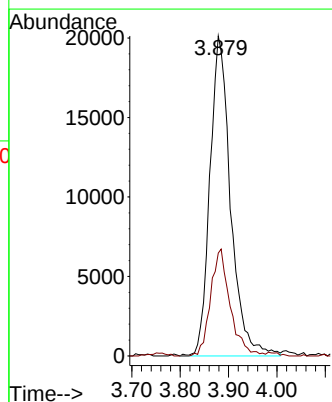
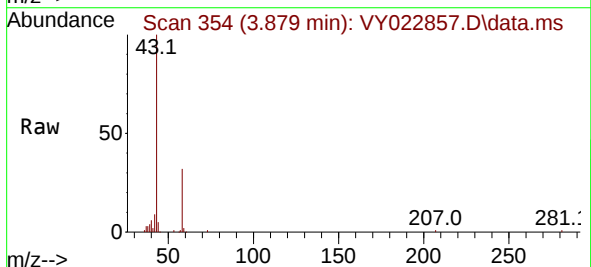
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

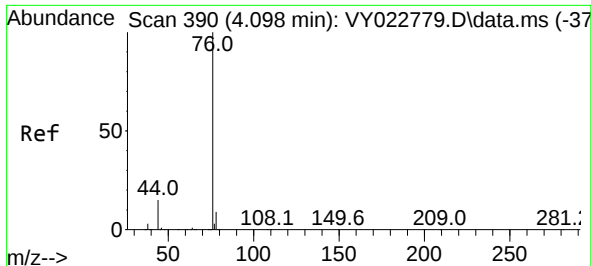
Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#16
Acetone
Concen: 83.196 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 43 Resp: 59812
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0

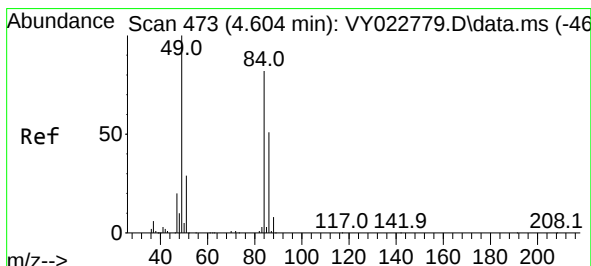
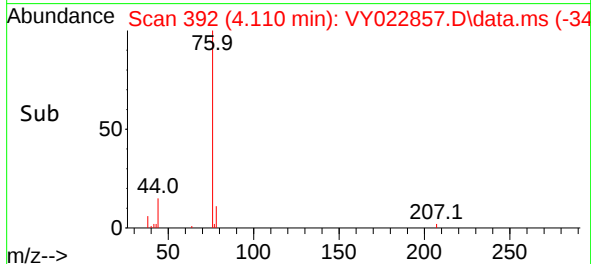
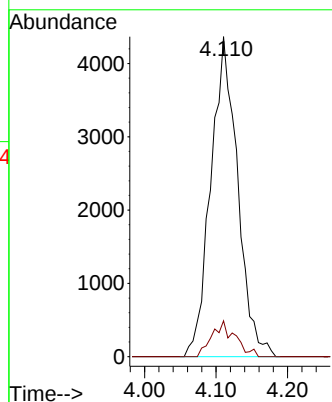
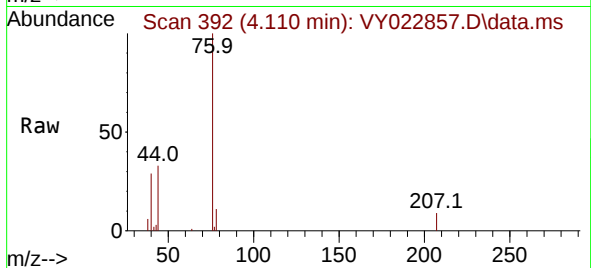




#17
Carbon Disulfide
Concen: 1.021 ug/l
RT: 4.110 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

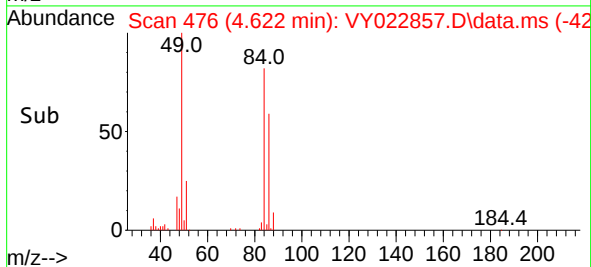
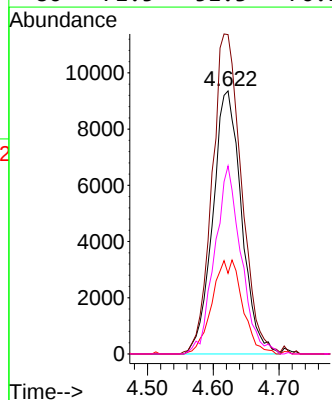
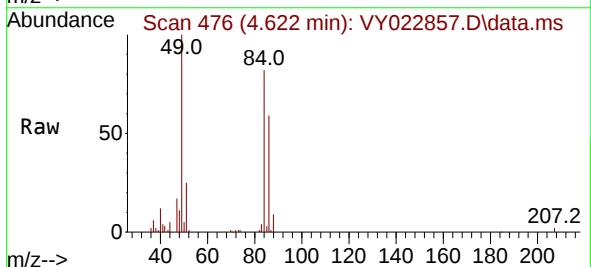
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

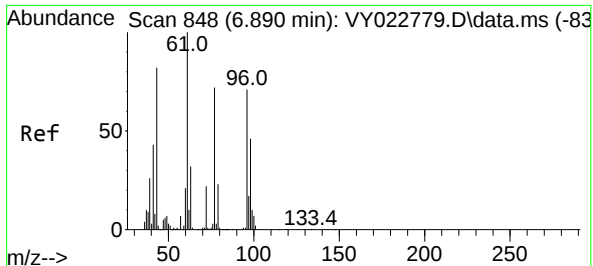
Tgt Ion: 76 Resp: 11378
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.2#



#20
Methylene Chloride
Concen: 6.272 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 84 Resp: 28478
Ion Ratio Lower Upper
84 100
49 121.4 101.9 152.9
51 30.7 29.8 44.8
86 71.5 51.3 76.9





#25

2-Butanone

Concen: 10.493 ug/l

RT: 6.909 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

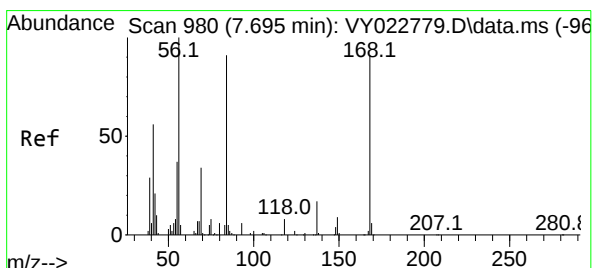
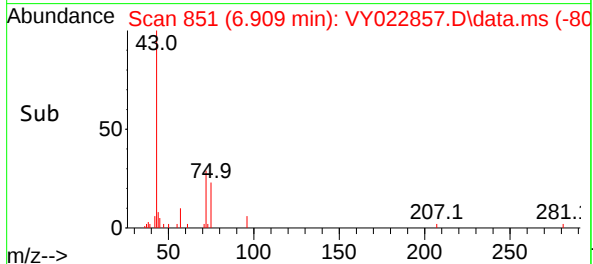
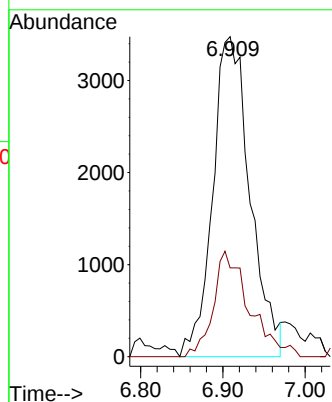
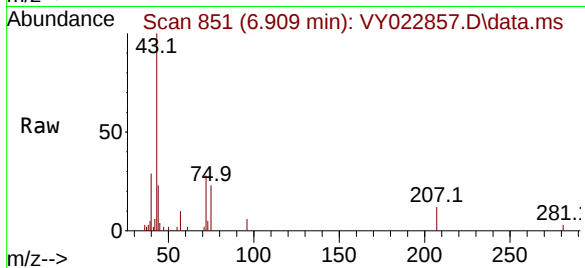
TP-69

Tgt Ion: 43 Resp: 10979

Ion Ratio Lower Upper

43 100

72 27.8 22.9 34.3



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

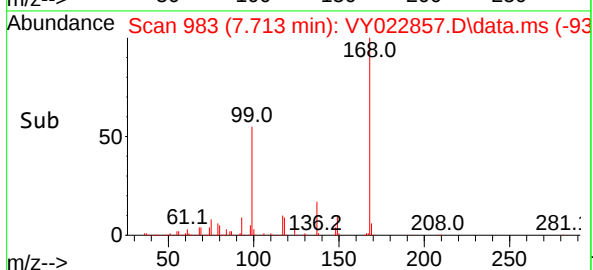
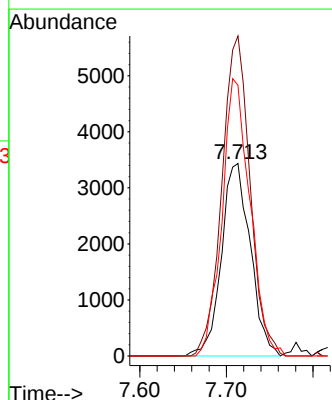
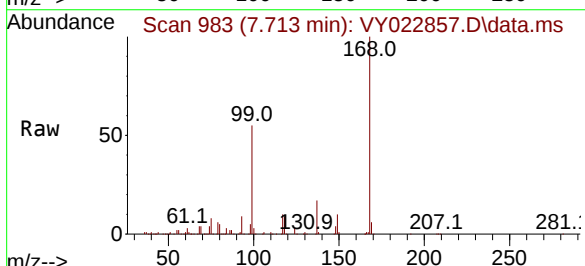
Tgt Ion: 56 Resp: 7967

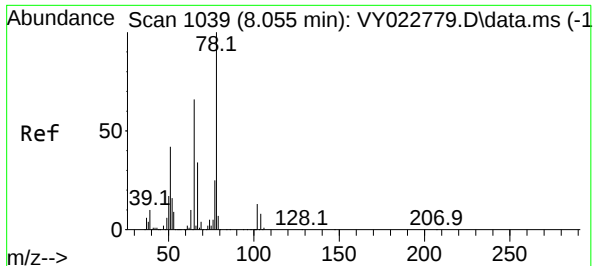
Ion Ratio Lower Upper

56 100

69 166.2 27.0 40.6#

84 140.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 46.815 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

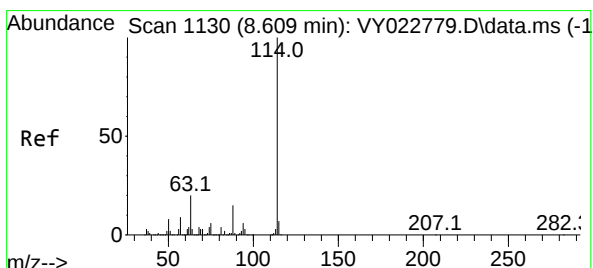
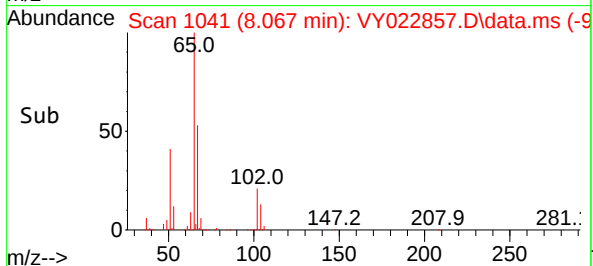
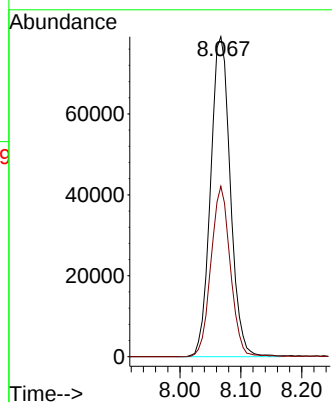
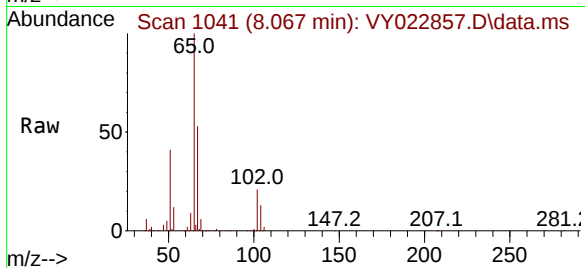
TP-69

Tgt Ion: 65 Resp: 178070

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

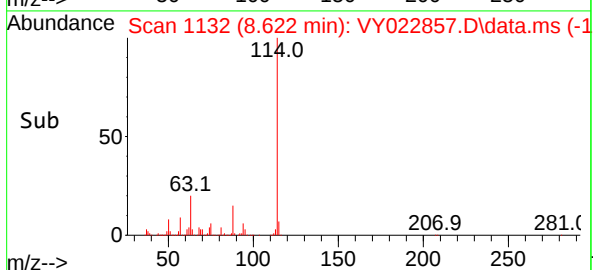
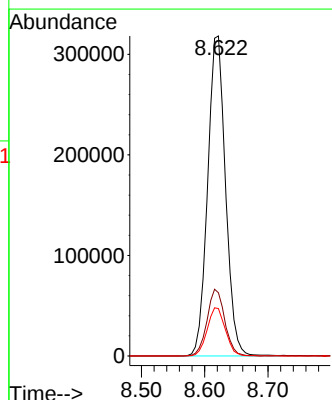
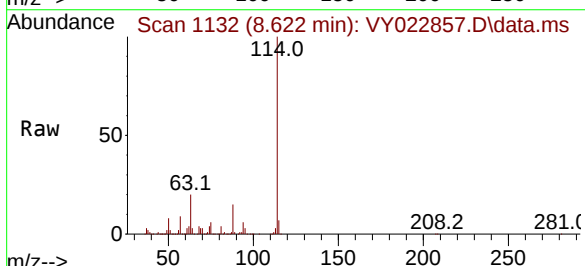
Tgt Ion:114 Resp: 625770

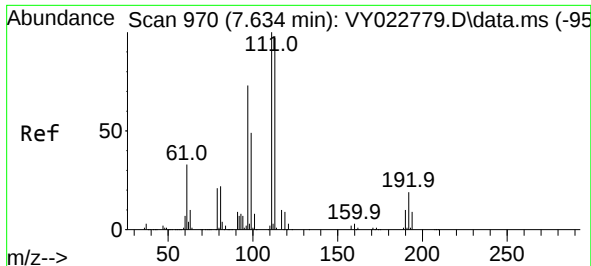
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.8 0.0 27.8

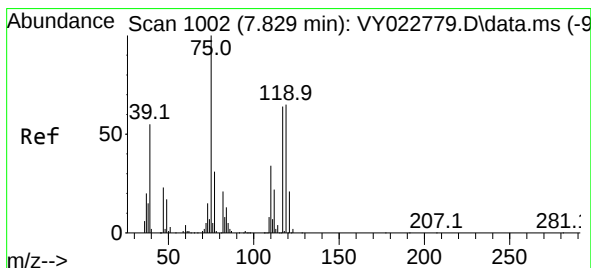
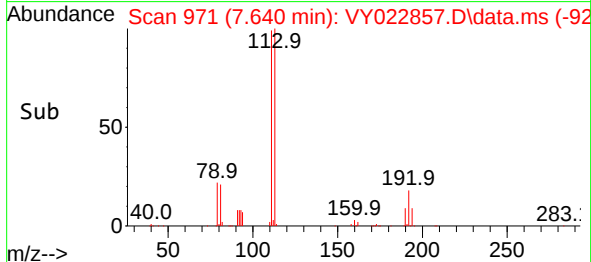
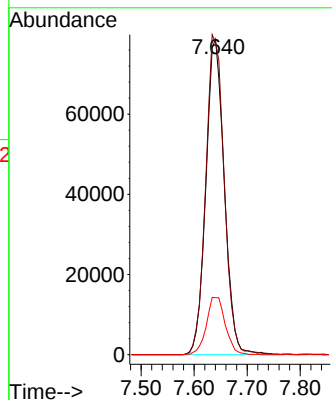
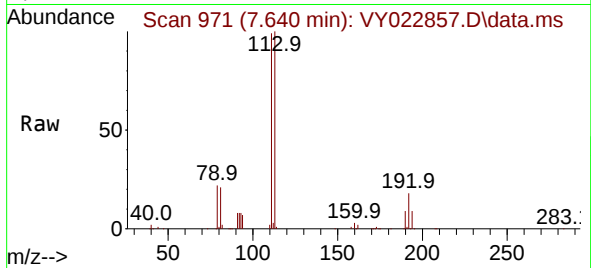




#35
Dibromofluoromethane
Concen: 49.914 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

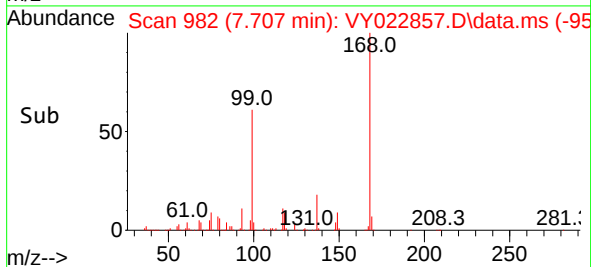
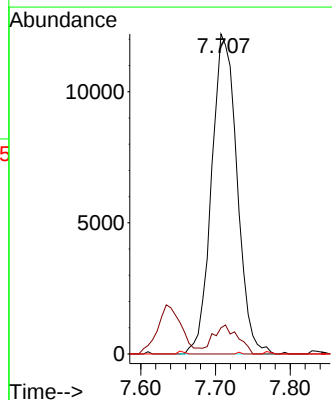
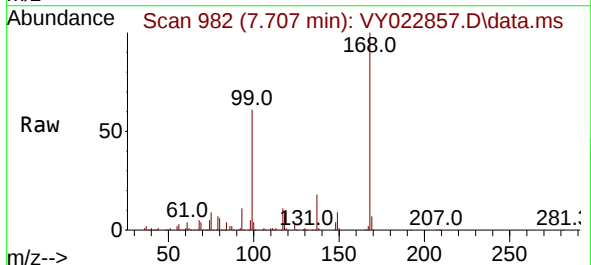
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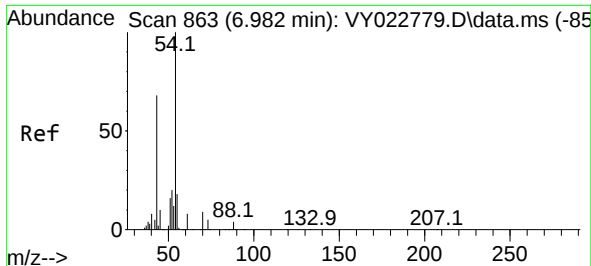
Tgt Ion:113 Resp: 189953
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 75 Resp: 28892
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.411 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.085 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-69

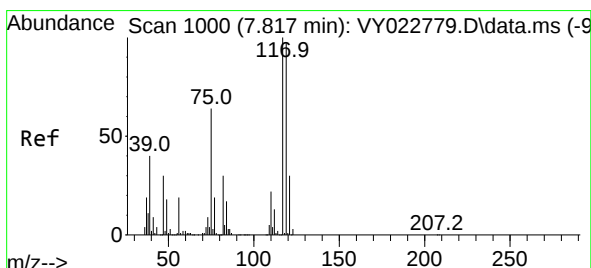
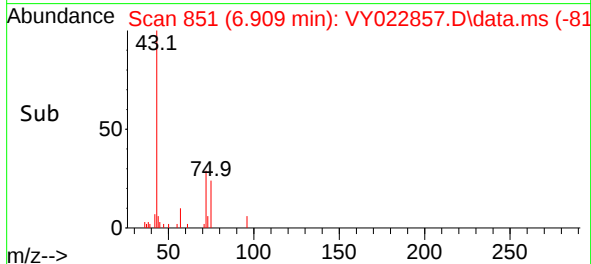
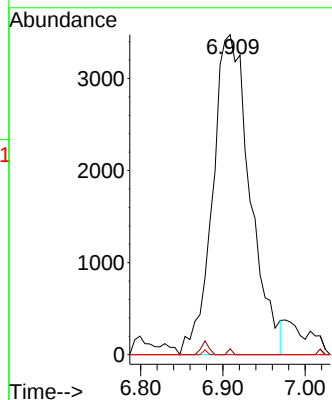
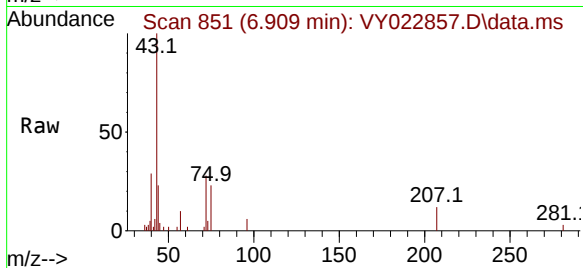
Tgt Ion: 43 Resp: 10979

Ion Ratio Lower Upper

43 100

61 0.2 11.5 17.3#

70 0.0 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.641 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

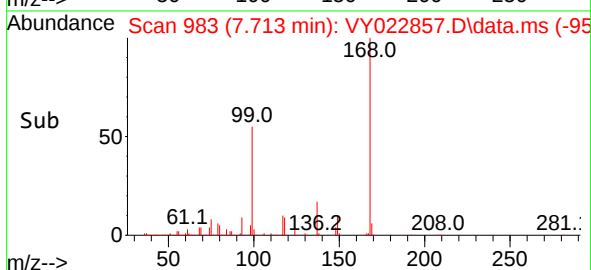
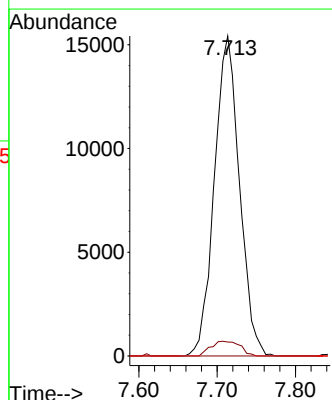
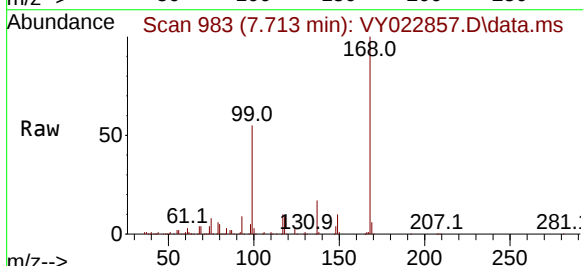
Tgt Ion: 117 Resp: 34335

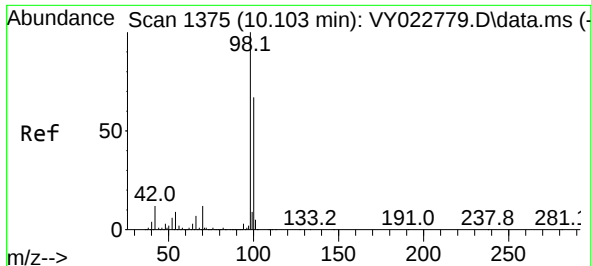
Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 25.0 37.4#

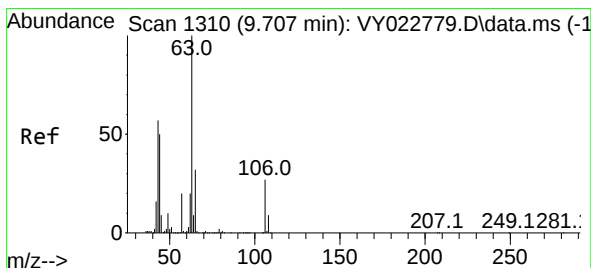
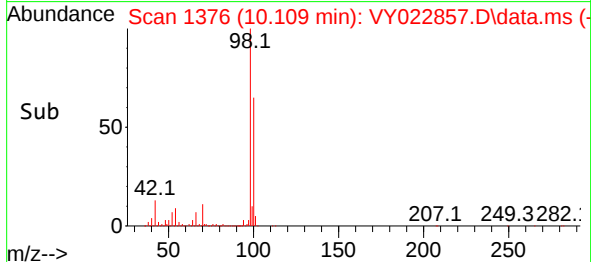
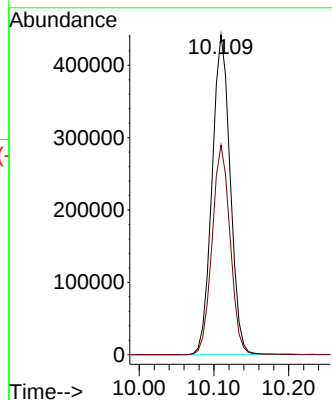
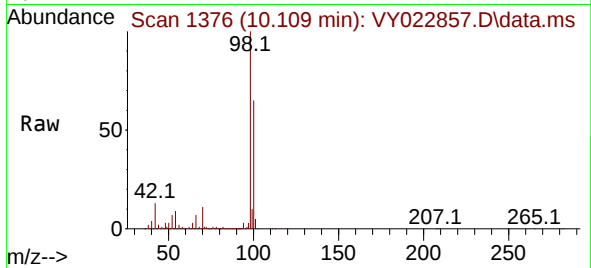




#50
Toluene-d8
Concen: 49.542 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

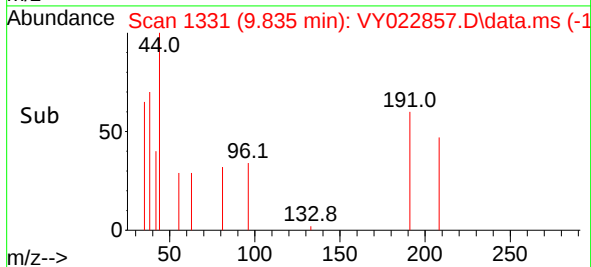
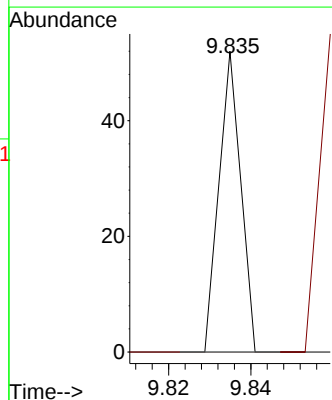
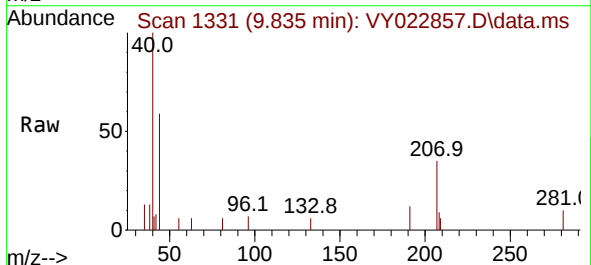
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

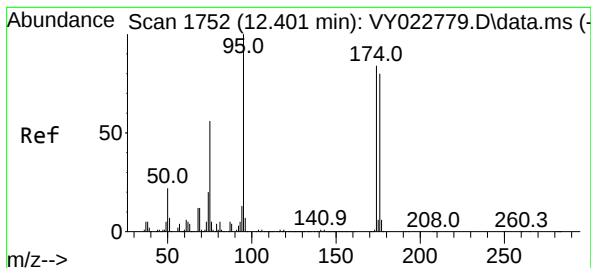
Tgt Ion: 98 Resp: 748141
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.663 ug/l
RT: 9.835 min Scan# 1331
Delta R.T. 0.122 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

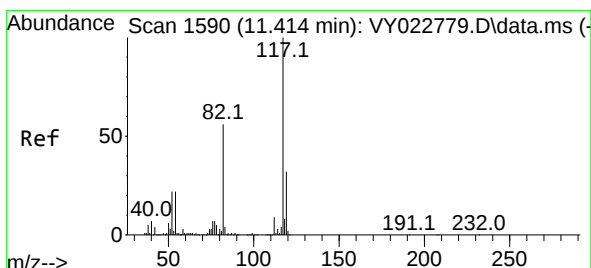
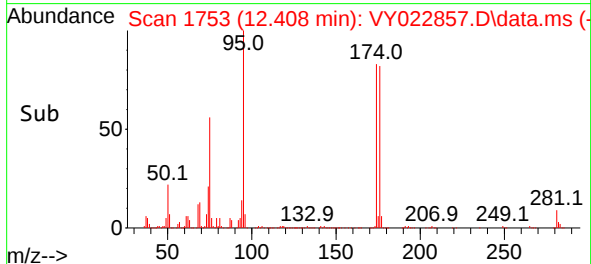
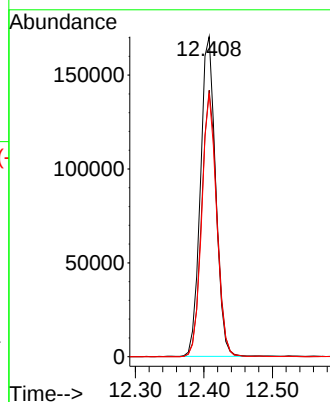
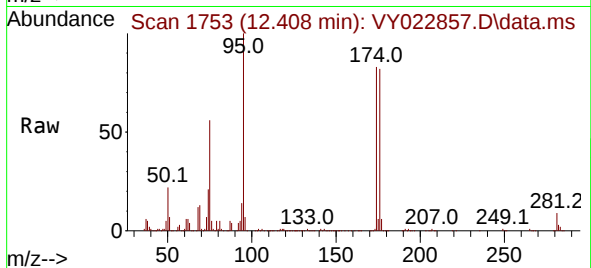




#62
4-Bromofluorobenzene
Concen: 54.160 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

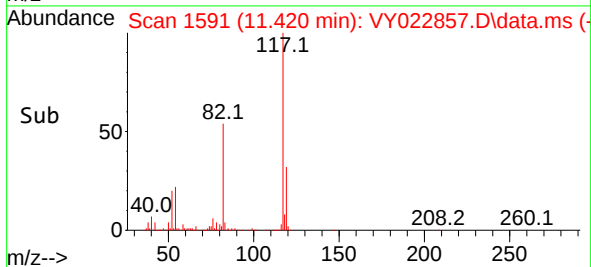
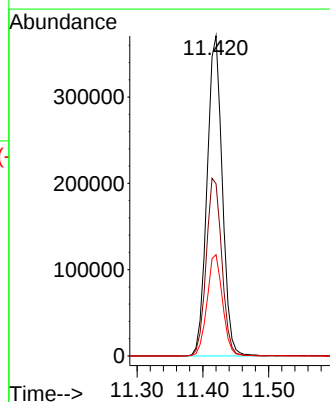
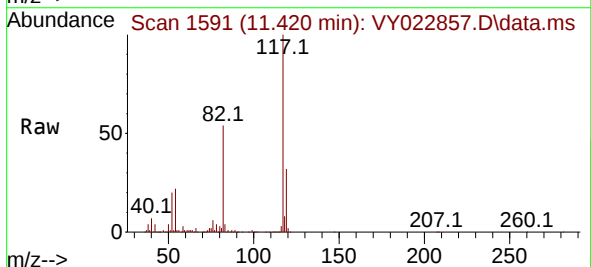
Instrument :
MSVOA_Y
ClientSampleId :
TP-69

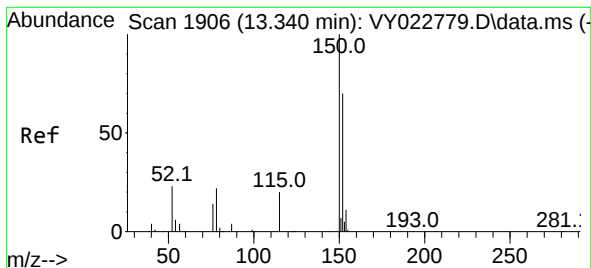
Tgt Ion: 95 Resp: 262926
Ion Ratio Lower Upper
95 100
174 83.4 0.0 170.0
176 80.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022857.D
Acq: 27 Jun 2025 13:22

Tgt Ion: 117 Resp: 598373
Ion Ratio Lower Upper
117 100
82 53.8 44.6 66.8
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022857.D

Acq: 27 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-69

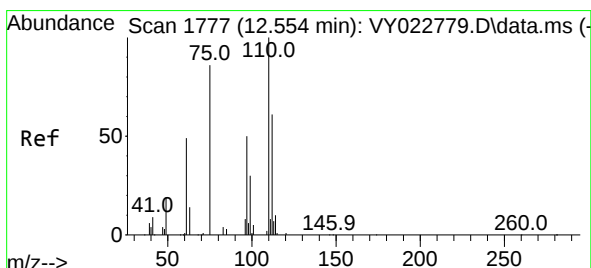
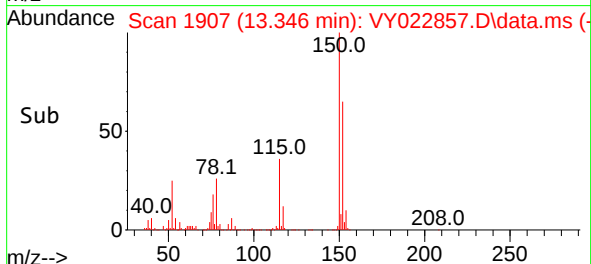
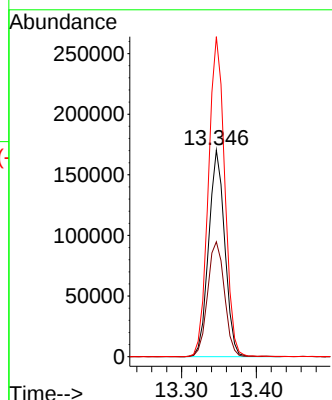
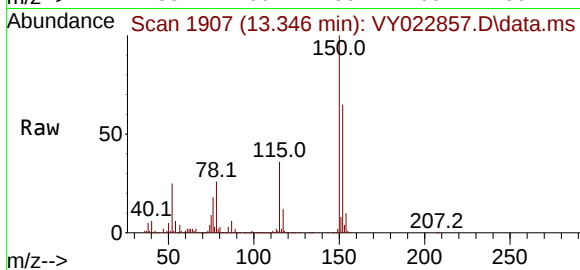
Tgt Ion:152 Resp: 255220

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 157.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.999 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022857.D

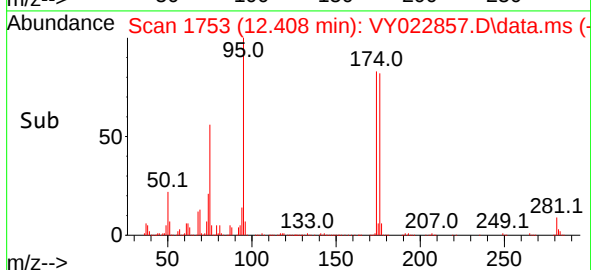
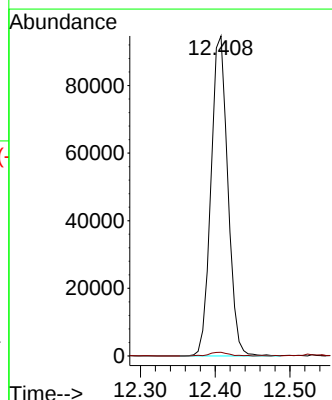
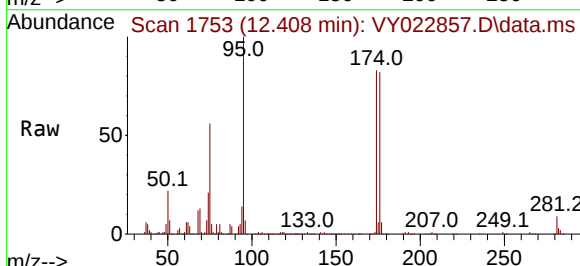
Acq: 27 Jun 2025 13:22

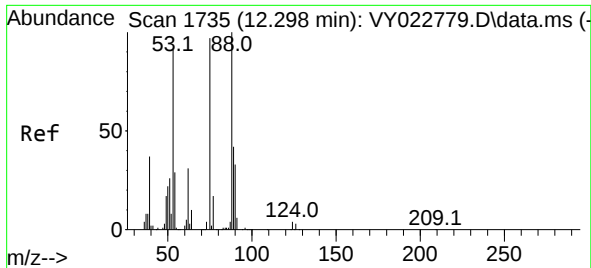
Tgt Ion: 75 Resp: 148516

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.002 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022857.D
 Acq: 27 Jun 2025 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-69

Tgt Ion: 75 Resp: 148516
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

