

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020967.D
 Acq On : 29 Jan 2025 15:56
 Operator : SY/MD
 Sample : Q1221-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:36:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	251044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380614	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	315215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	145189	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98040	48.981	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.960%
35) Dibromofluoromethane	7.634	113	74593	34.138	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.280%
50) Toluene-d8	10.109	98	390032	46.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.040%
62) 4-Bromofluorobenzene	12.408	95	120563	42.743	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.480%

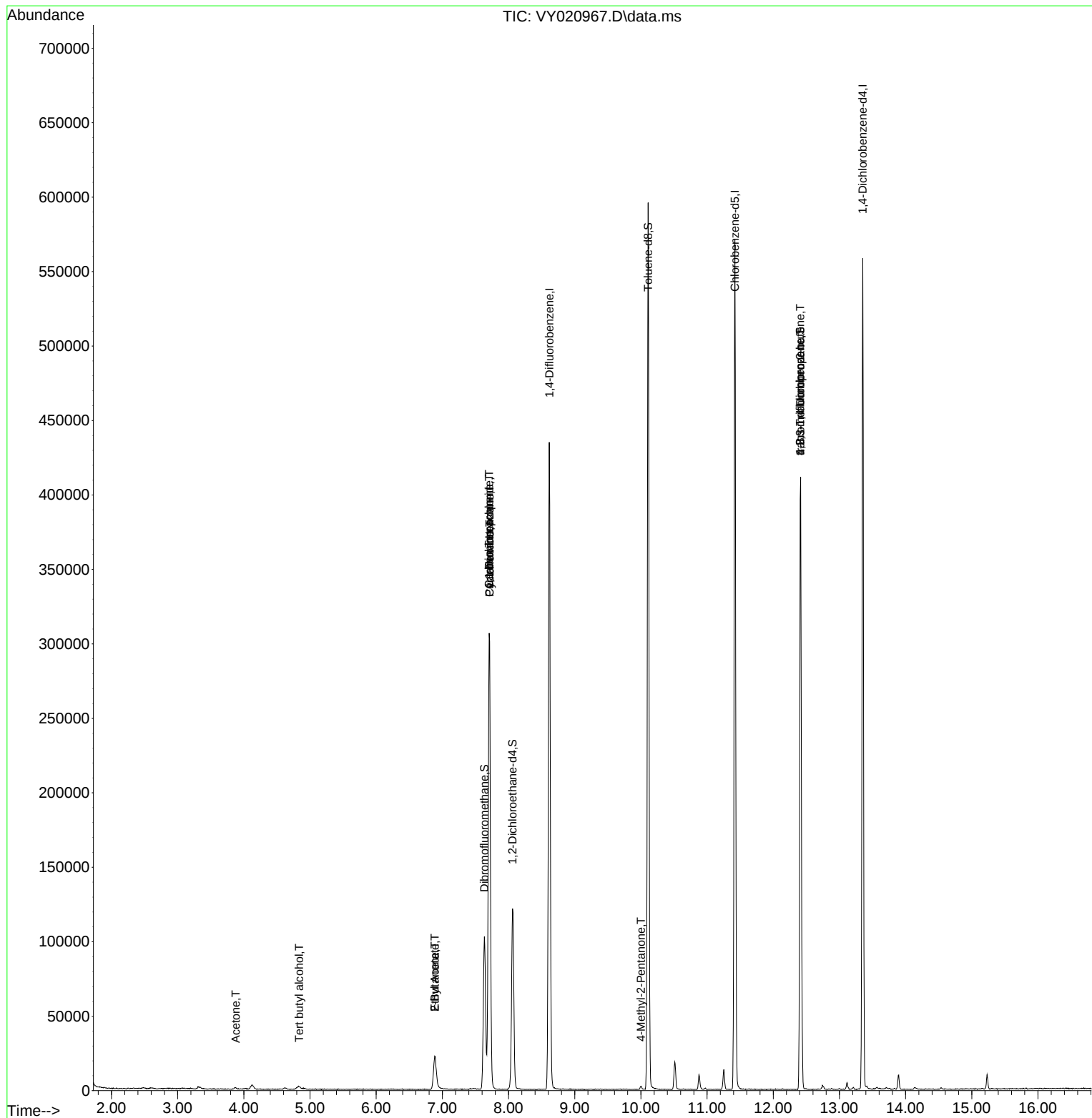
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	2362	15.286	ug/l #	74
16) Acetone	3.879	43	1565	5.771	ug/l #	59
25) 2-Butanone	6.884	43	1338	2.913	ug/l #	42
31) Cyclohexane	7.713	56	4267	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17273	5.662	ug/l #	49
37) Ethyl Acetate	6.884	43	1338	1.130	ug/l #	1
38) Carbon Tetrachloride	7.707	117	23813	6.473	ug/l #	16
51) 4-Methyl-2-Pentanone	9.999	43	1461	1.291	ug/l	92
76) 1,2,3-Trichloropropane	12.408	75	60461	58.898	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	60461	113.790	ug/l #	15

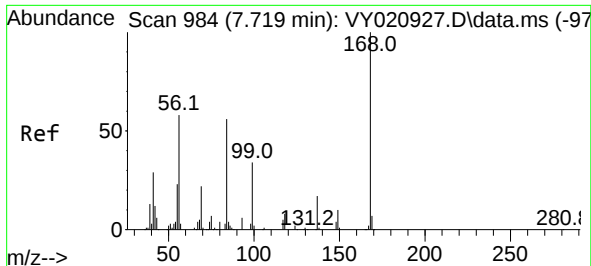
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

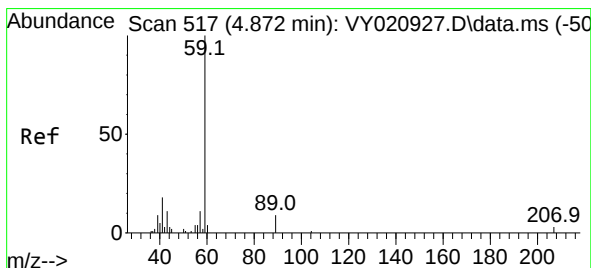
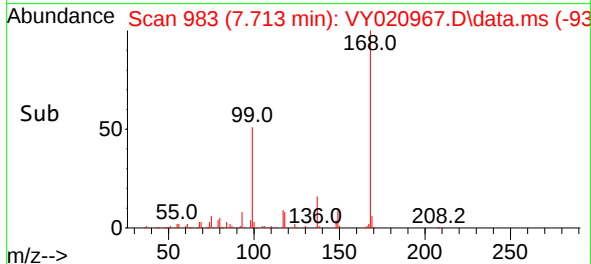
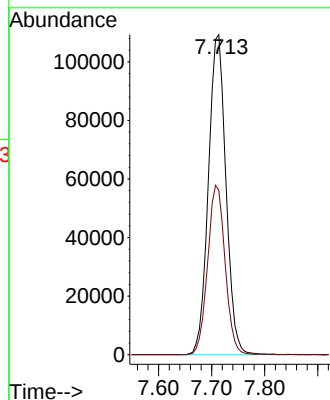
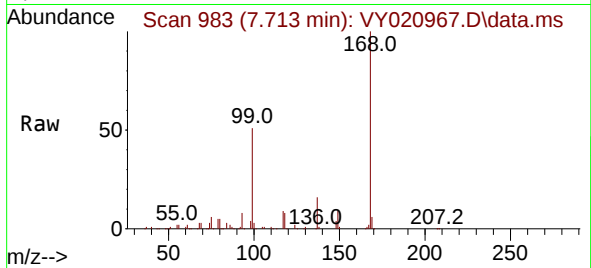




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

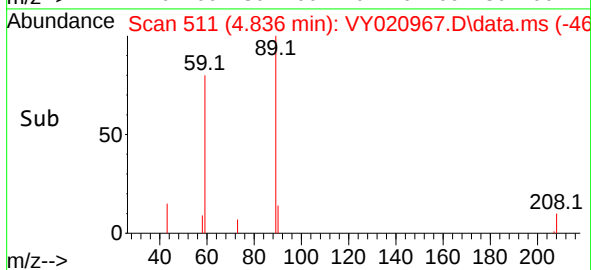
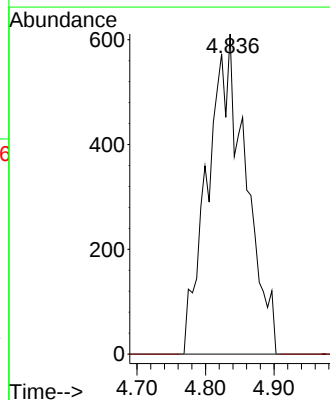
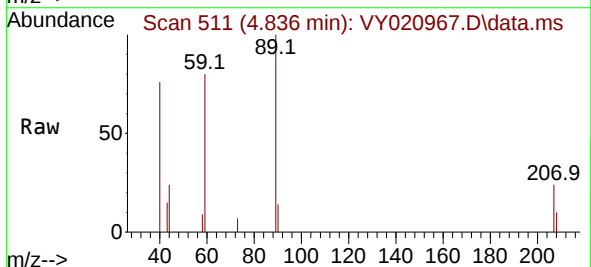
Instrument :
MSVOA_Y
ClientSampleId :

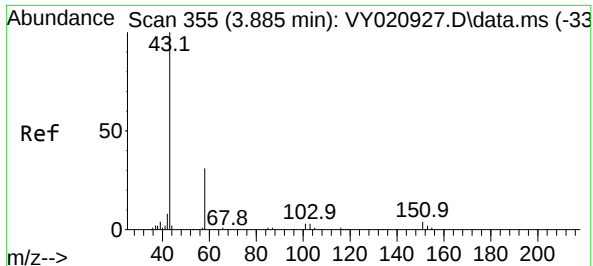
Tgt Ion:168 Resp: 251044
Ion Ratio Lower Upper
168 100
99 51.4 43.0 64.6



#11
Tert butyl alcohol
Concen: 15.286 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Tgt Ion: 59 Resp: 2362
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 5.771 ug/l

RT: 3.879 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Instrument :

MSVOA_Y

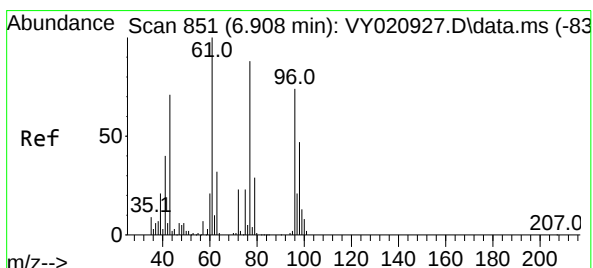
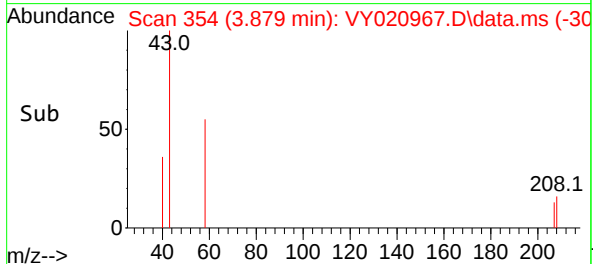
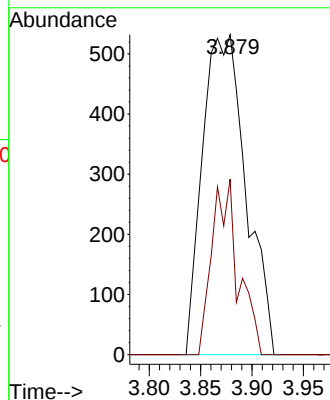
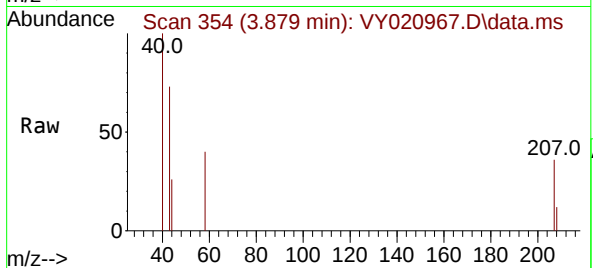
ClientSampleId :

Tgt Ion: 43 Resp: 1565

Ion Ratio Lower Upper

43 100

58 54.9 25.6 38.4#



#25

2-Butanone

Concen: 2.913 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.024 min

Lab File: VY020967.D

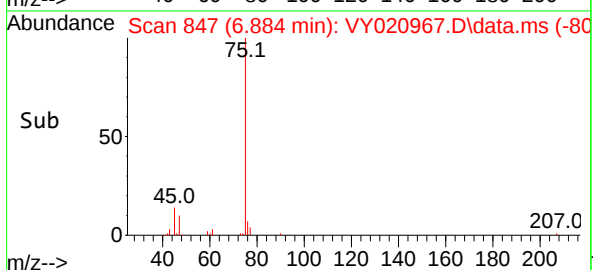
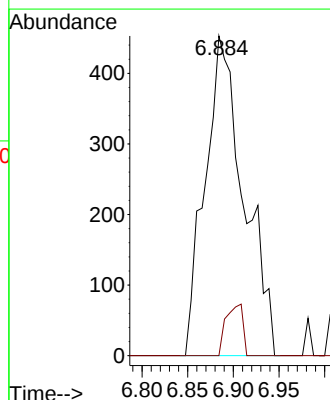
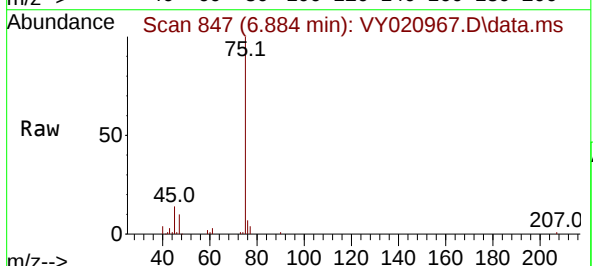
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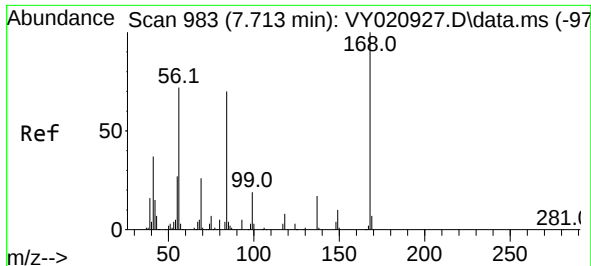
Tgt Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

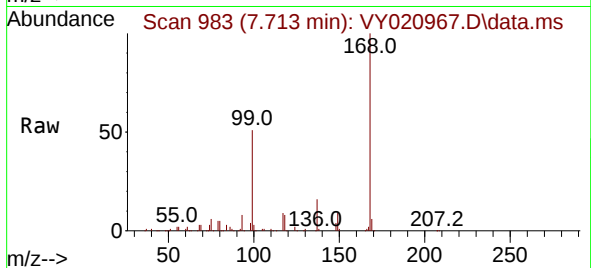
72 0.0 25.8 38.8#



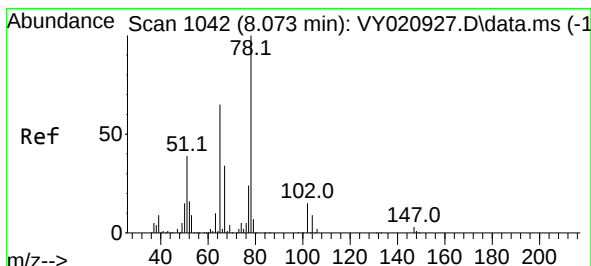
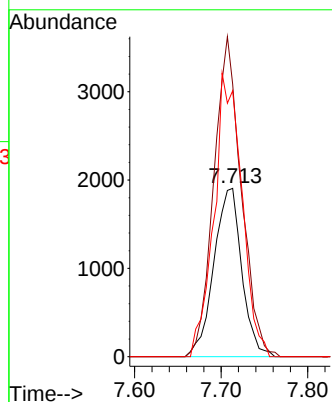
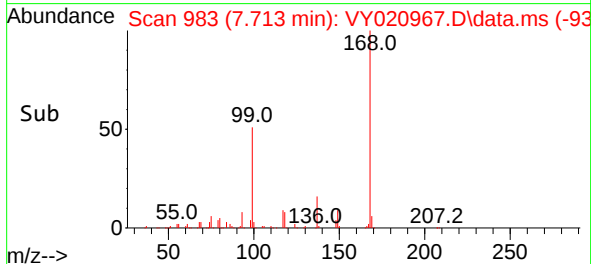


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :

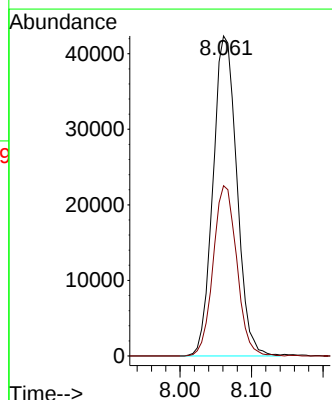
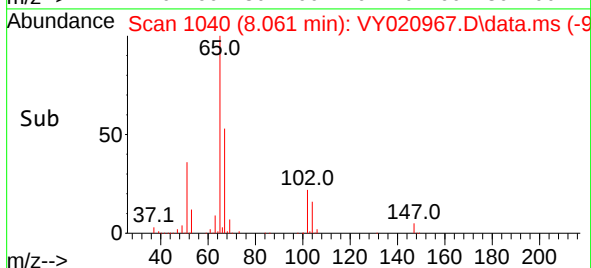
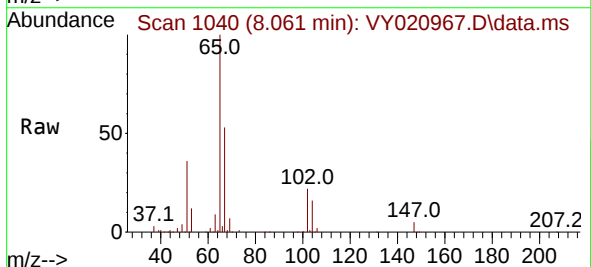


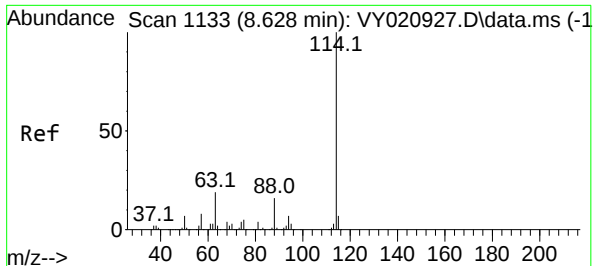
Tgt Ion: 56 Resp: 4267
Ion Ratio Lower Upper
56 100
69 161.8 28.7 43.1#
84 157.9 77.4 116.0#



#33
1,2-Dichloroethane-d4
Concen: 48.981 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Tgt Ion: 65 Resp: 98040
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1133

Delta R.T. -0.012 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

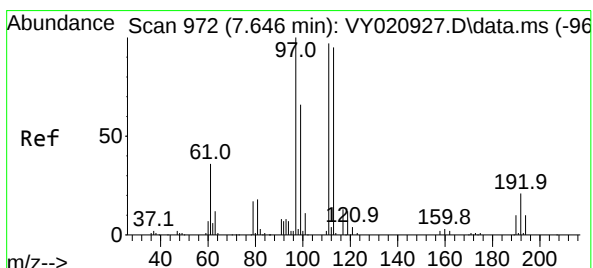
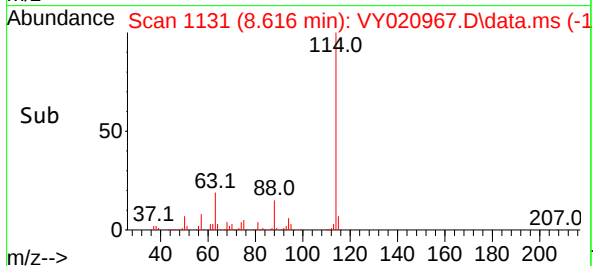
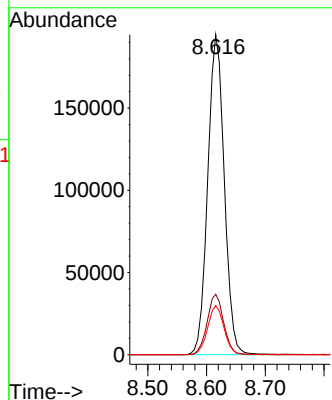
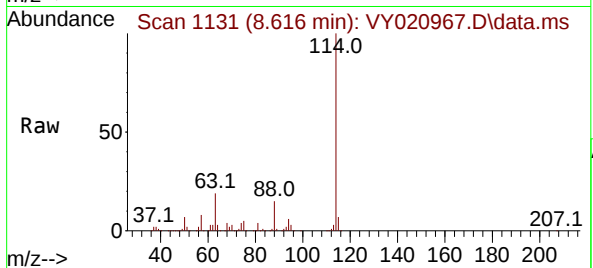
Tgt Ion:114 Resp: 380614

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 15.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 34.138 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

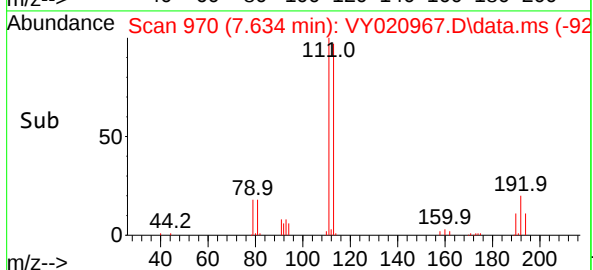
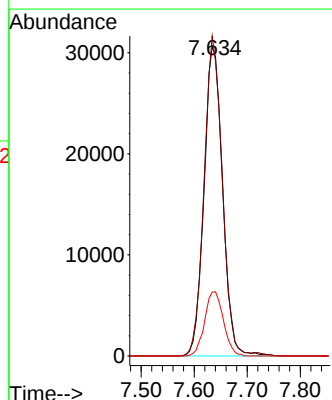
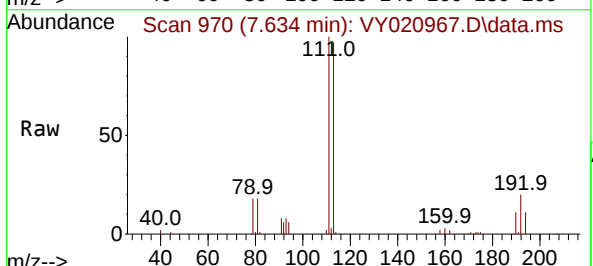
Tgt Ion:113 Resp: 74593

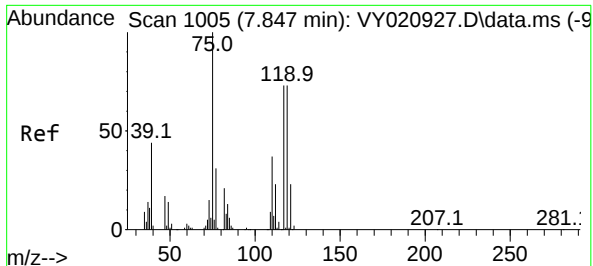
Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 21.0 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.662 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.140 min

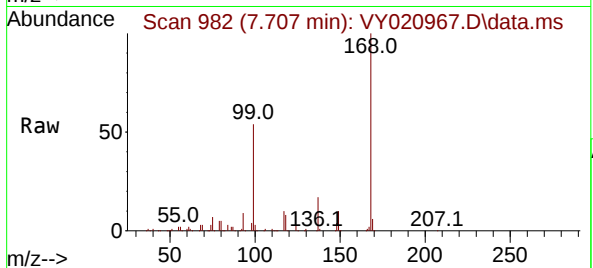
Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :



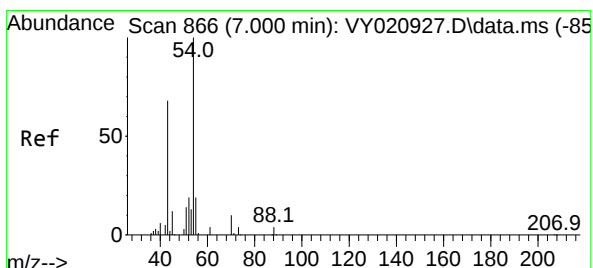
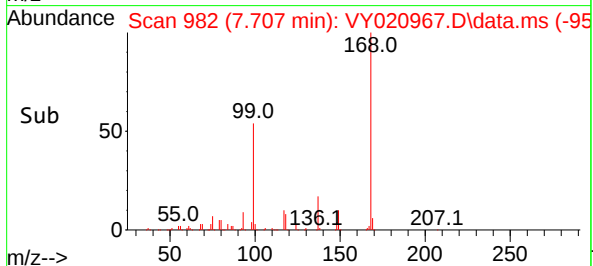
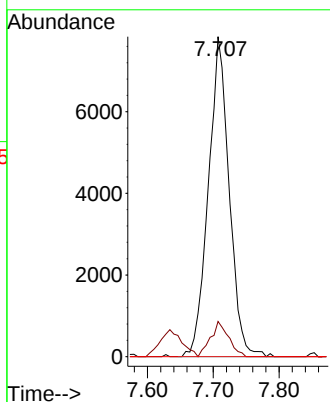
Tgt Ion: 75 Resp: 17273

Ion Ratio Lower Upper

75 100

110 9.5 18.5 55.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.130 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.116 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

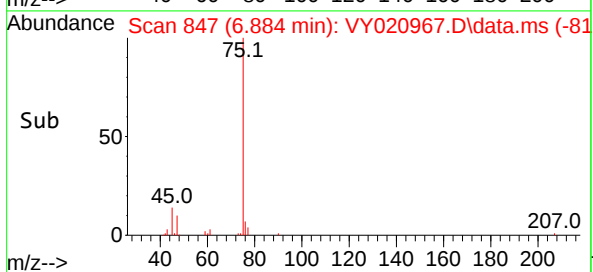
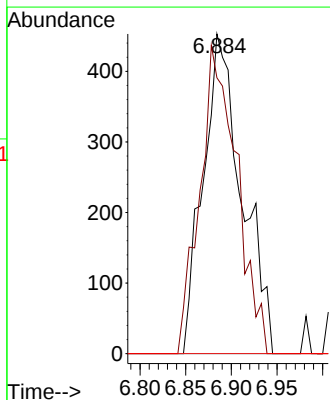
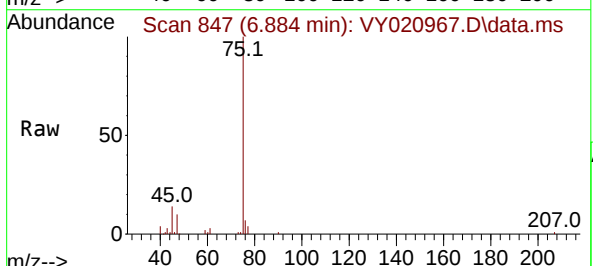
Tgt Ion: 43 Resp: 1338

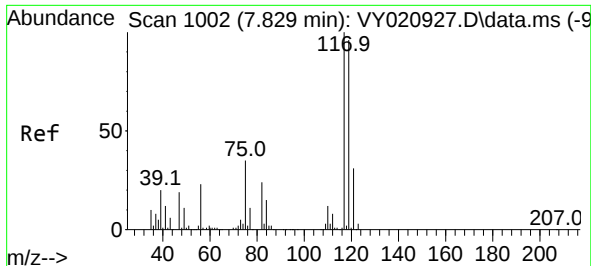
Ion Ratio Lower Upper

43 100

61 91.6 12.1 18.1#

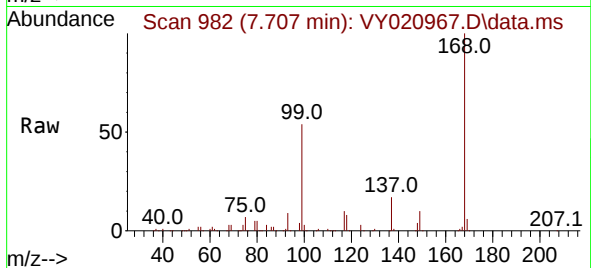
70 0.0 9.5 14.3#



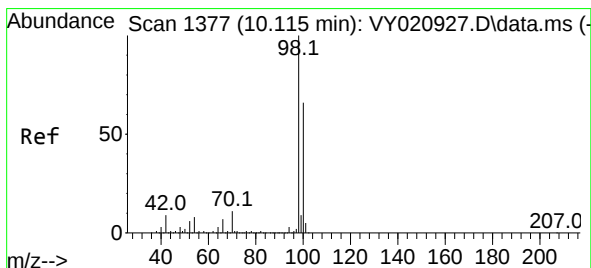
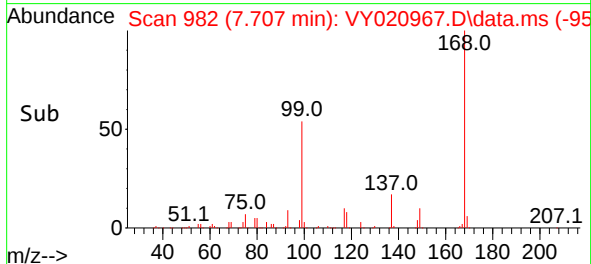
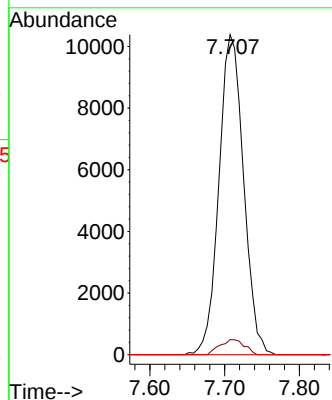


#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Instrument :
MSVOA_Y
ClientSampleId :

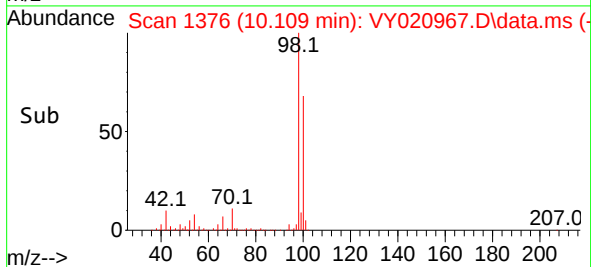
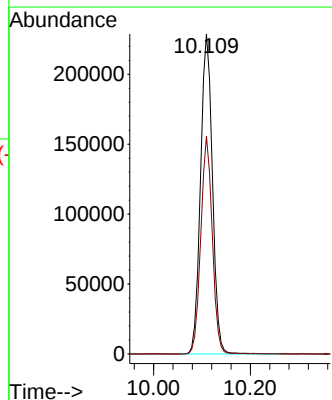
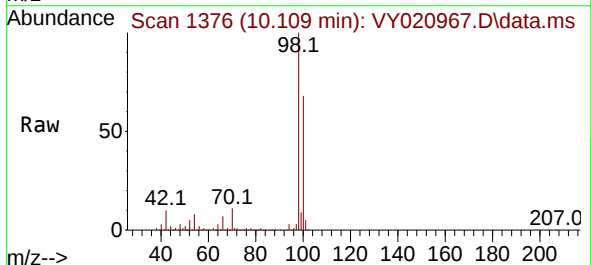


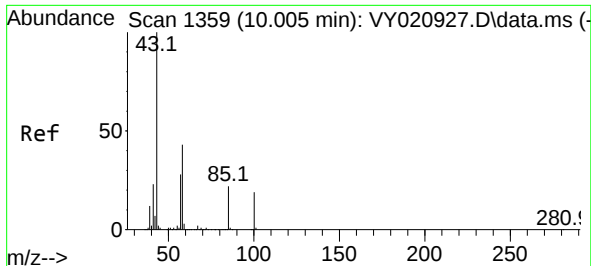
Tgt Ion:117 Resp: 23813
Ion Ratio Lower Upper
117 100
119 4.7 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 46.019 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Tgt Ion: 98 Resp: 390032
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

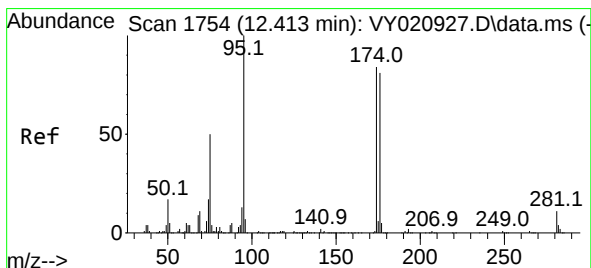
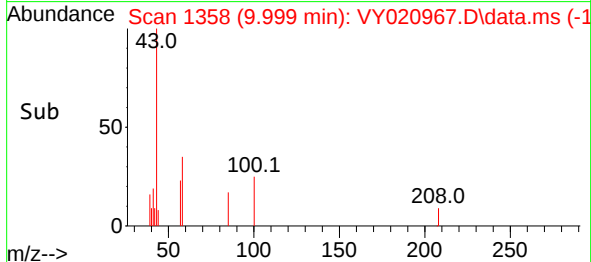
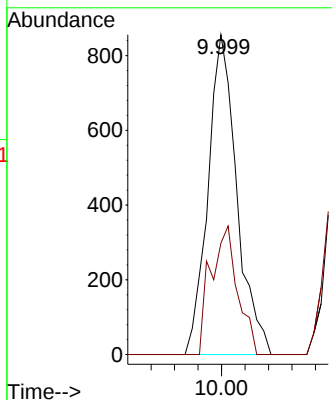
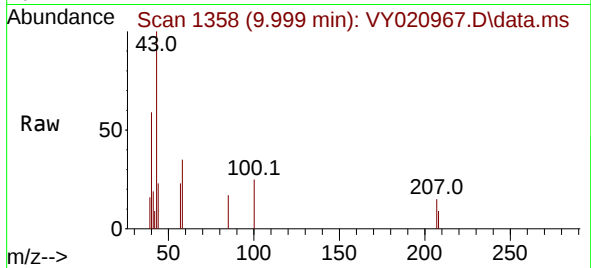




#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

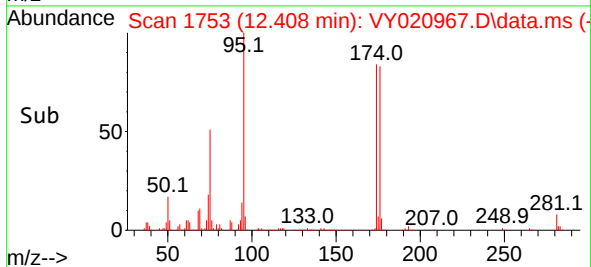
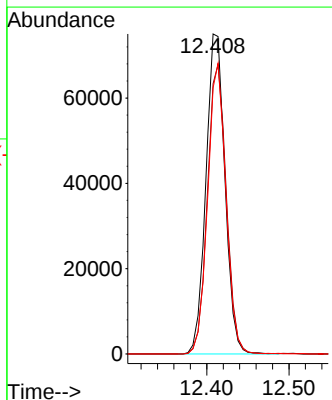
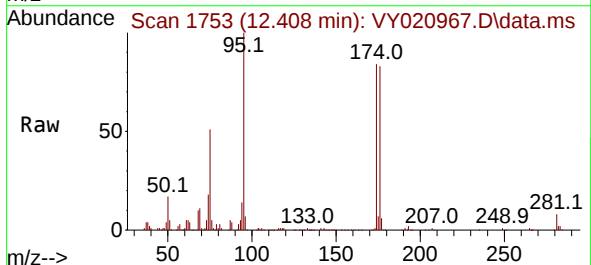
Instrument :
MSVOA_Y
ClientSampleId :

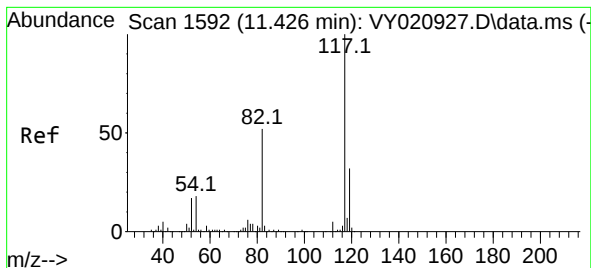
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 37.3 33.7 50.5



#62
4-Bromofluorobenzene
Concen: 42.743 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020967.D
Acq: 29 Jan 2025 15:56

Tgt Ion: 95 Resp: 120563
Ion Ratio Lower Upper
95 100
174 89.7 0.0 177.4
176 87.4 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.006 min

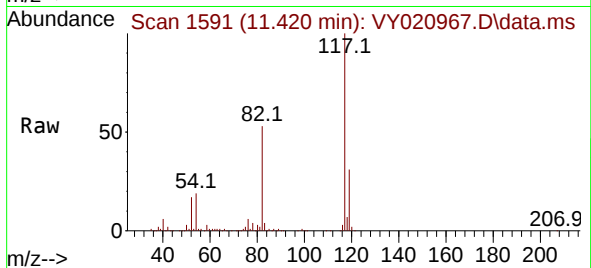
Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :



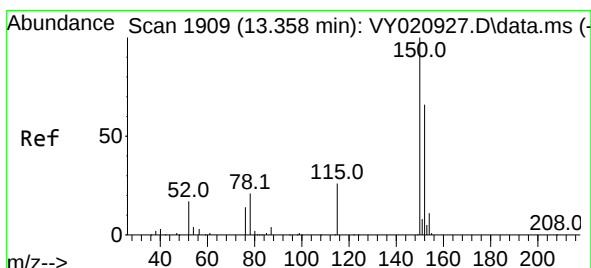
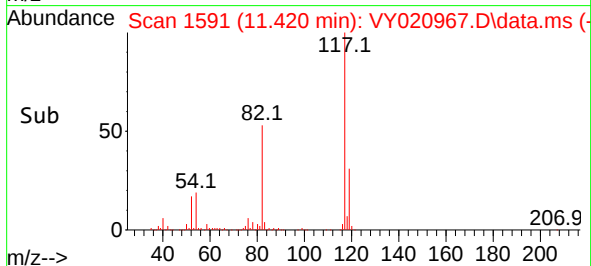
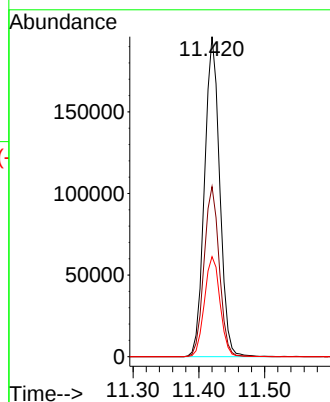
Tgt Ion:117 Resp: 315215

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.8

119 31.2 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

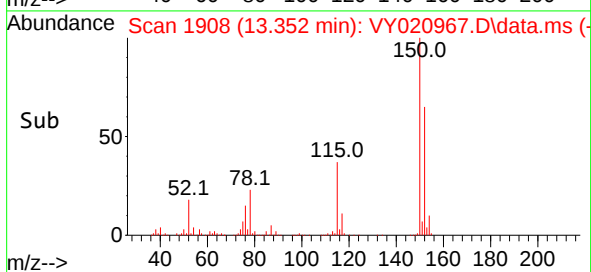
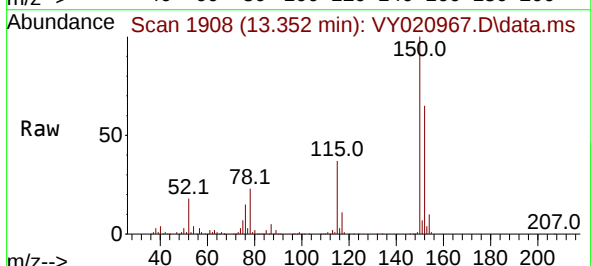
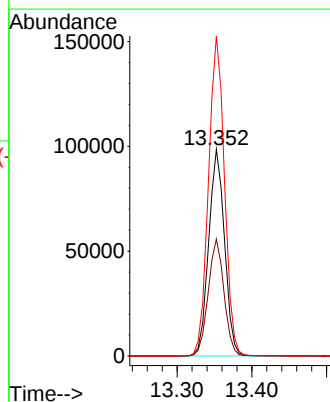
Tgt Ion:152 Resp: 145189

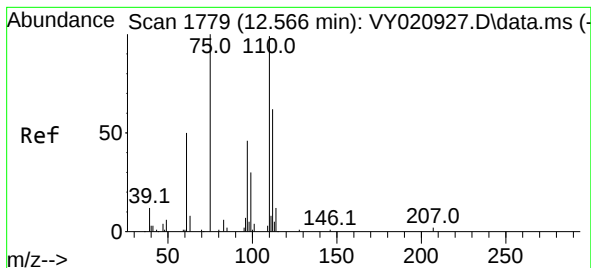
Ion Ratio Lower Upper

152 100

115 56.2 29.0 87.0

150 155.9 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 58.898 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.158 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Instrument :

MSVOA_Y

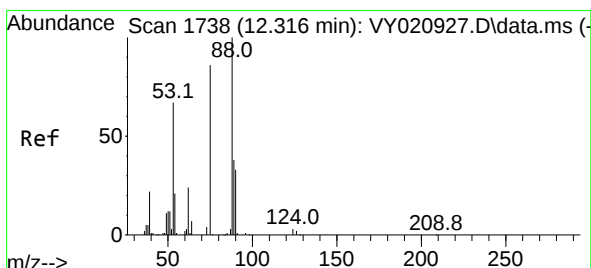
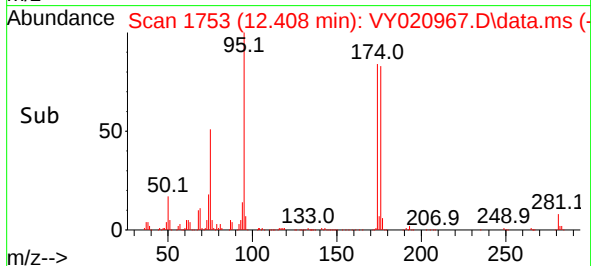
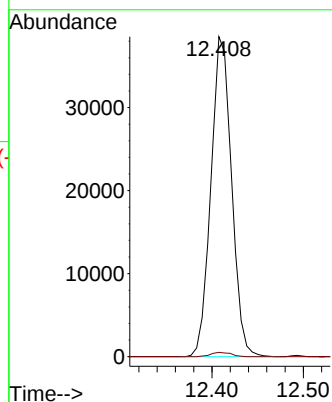
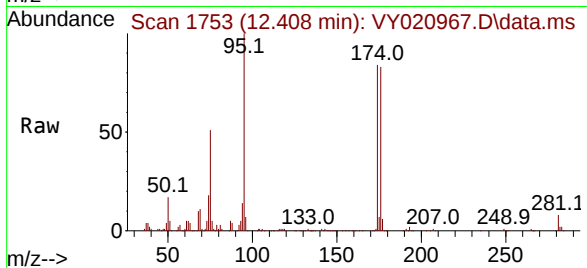
ClientSampleId :

Tgt Ion: 75 Resp: 60461

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.790 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.092 min

Lab File: VY020967.D

Acq: 29 Jan 2025 15:56

Tgt Ion: 75 Resp: 60461

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.2 38.4 57.6#

