

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031825\
 Data File : VY021557.D
 Acq On : 18 Mar 2025 11:06
 Operator : SY/MD
 Sample : VY0318SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

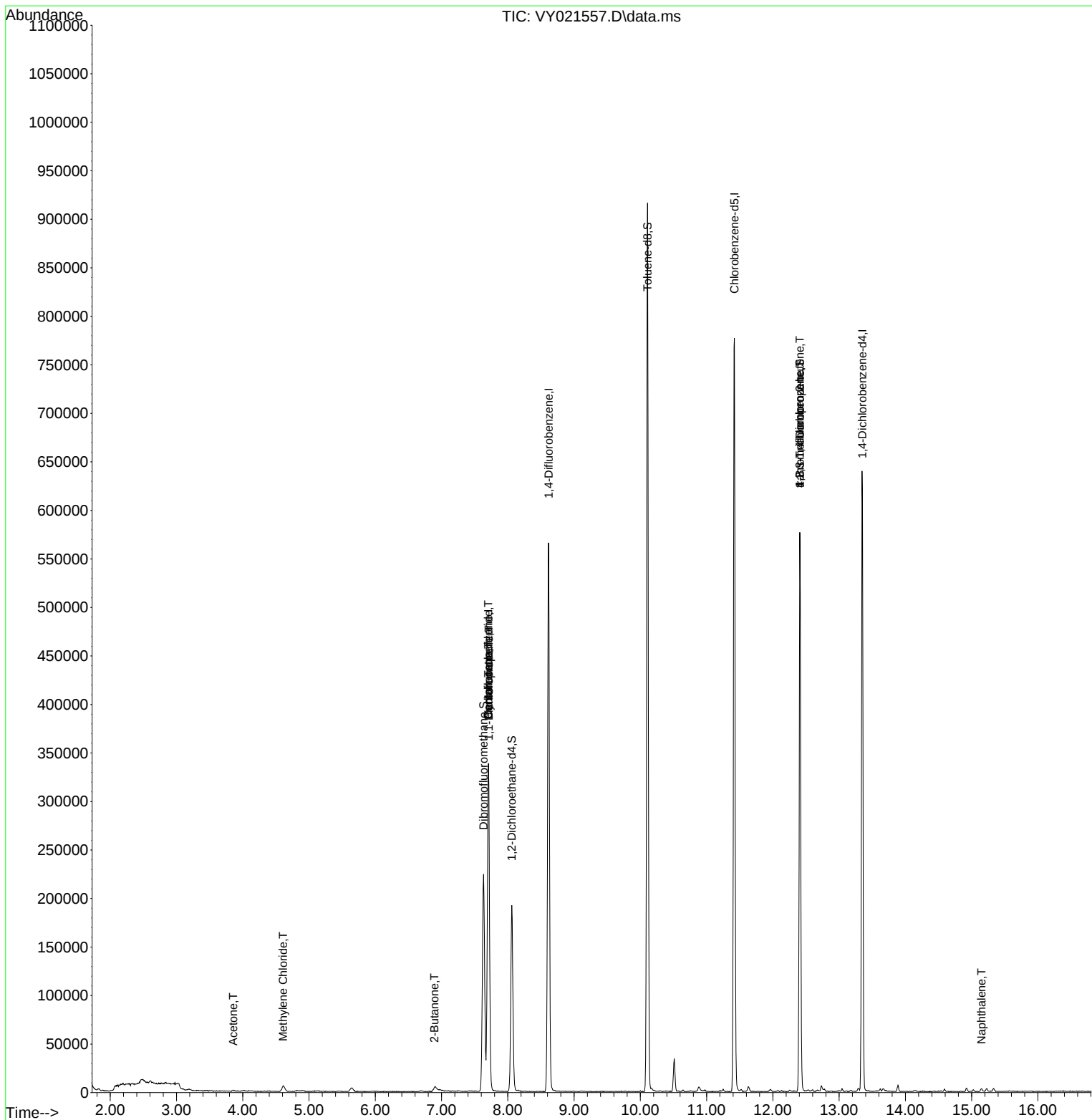
Internal Standards						
1) Pentafluorobenzene	7.707	168	252095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	463980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156201	50.000	ug/l	0.00

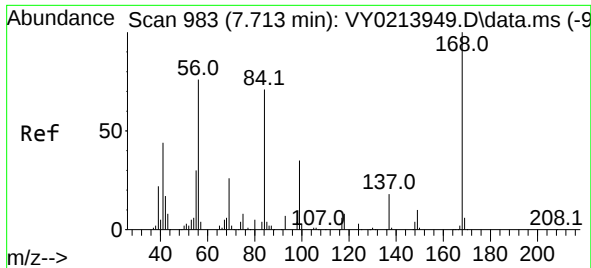
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	148257	55.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.634	113	156514	51.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.640%
50) Toluene-d8	10.109	98	567845	49.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.407	95	166006	42.262	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.520%

Target Compounds					Qvalue	
11) Tert butyl alcohol	4.896	59	51	Below Cal	#	72
16) Acetone	3.854	43	627	1.079	ug/l #	82
20) Methylene Chloride	4.610	84	4104	1.345	ug/l	89
25) 2-Butanone	6.890	43	815	1.014	ug/l #	48
31) Cyclohexane	7.707	56	5804	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	20723	4.341	ug/l #	49
38) Carbon Tetrachloride	7.707	117	27144	4.944	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	89393	56.793	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	89393	129.108	ug/l #	9
95) Naphthalene	15.151	128	2701	2.087	ug/l	98

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

Quant Time: Mar 19 01:38:39 2025
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QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

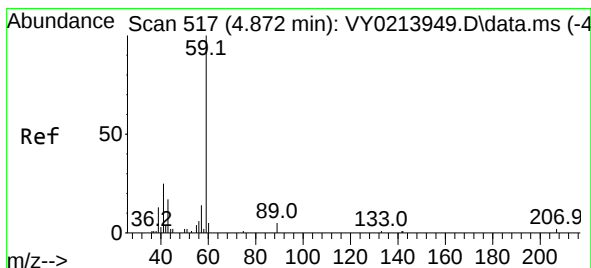
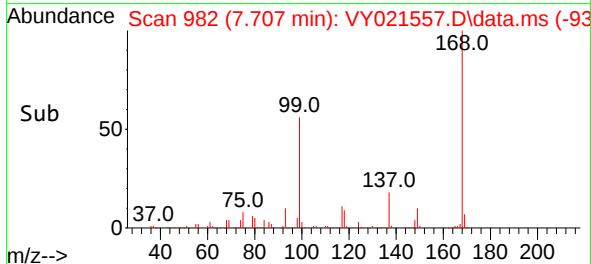
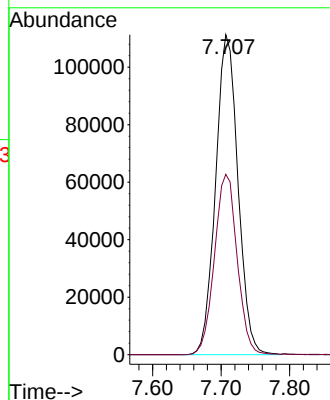
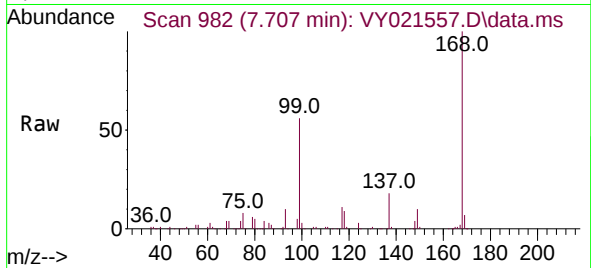




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

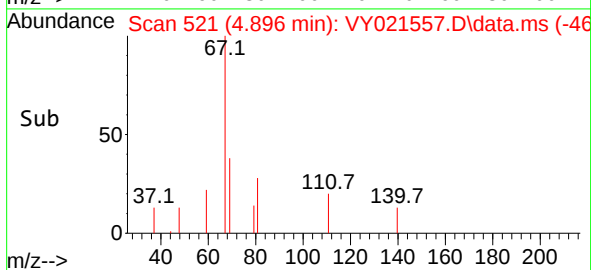
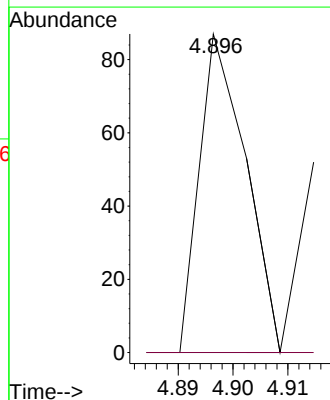
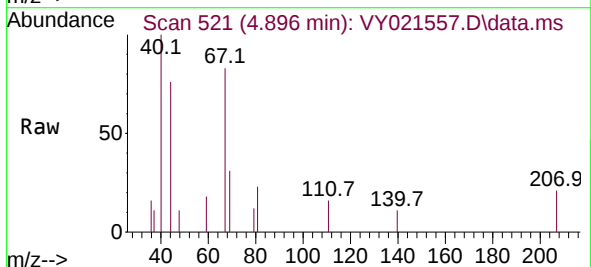
Instrument :
MSVOA_Y
ClientSampleId :

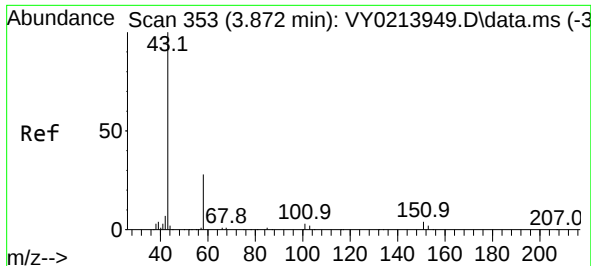
Tgt Ion:168 Resp: 252095
Ion Ratio Lower Upper
168 100
99 56.3 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.896 min Scan# 521
Delta R.T. 0.024 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

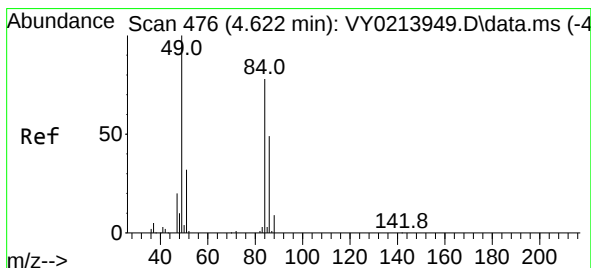
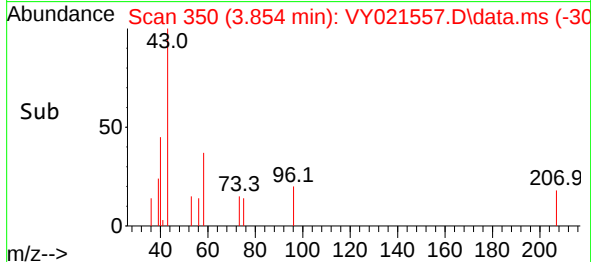
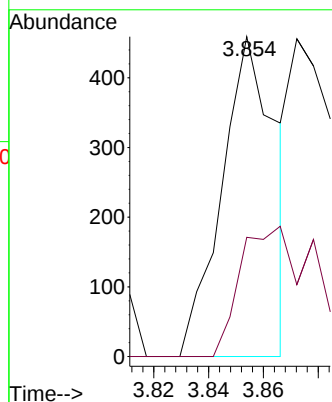
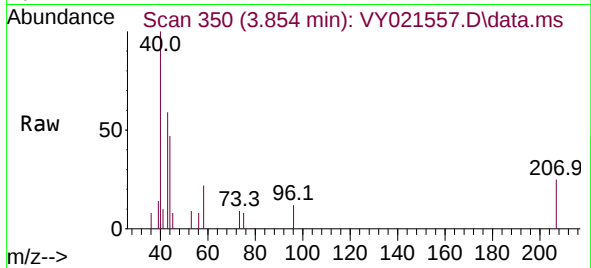




#16
Acetone
Concen: 1.079 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

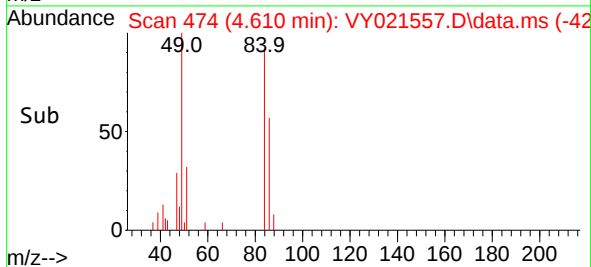
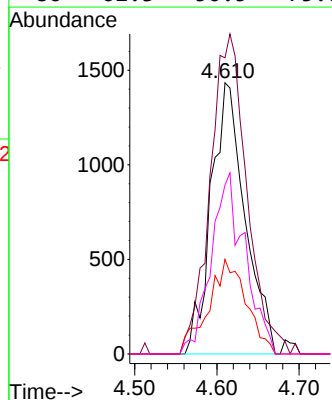
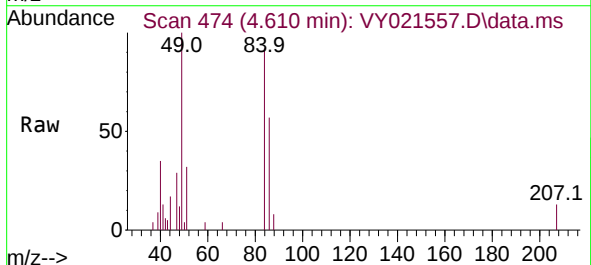
Instrument :
MSVOA_Y
ClientSampleId :

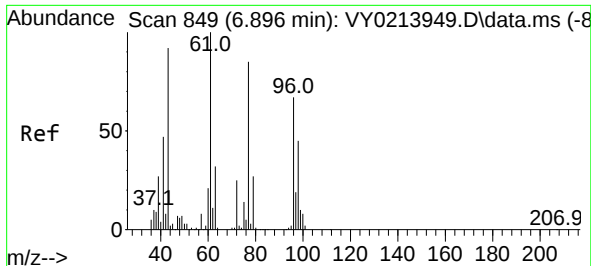
Tgt Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
58 37.3 22.1 33.1#



#20
Methylene Chloride
Concen: 1.345 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

Tgt Ion: 84 Resp: 4104
Ion Ratio Lower Upper
84 100
49 109.2 102.0 153.0
51 34.9 33.0 49.6
86 62.3 50.5 75.7





#25

2-Butanone

Concen: 1.014 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

Instrument :

MSVOA_Y

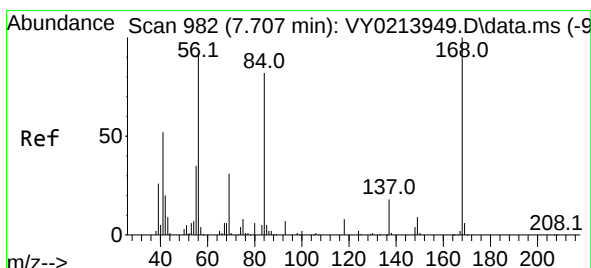
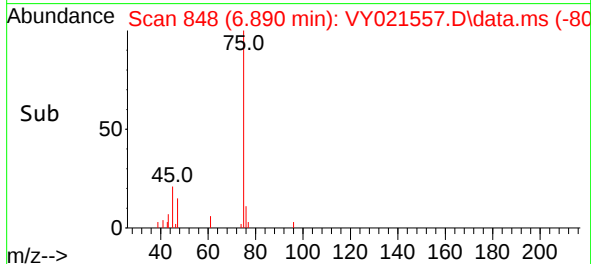
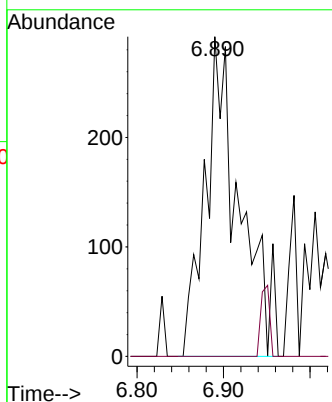
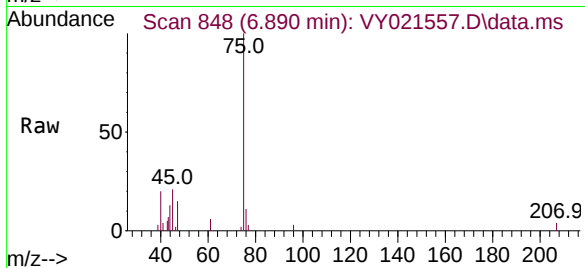
ClientSampleId :

Tgt Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

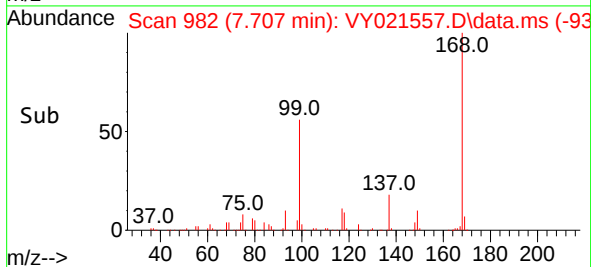
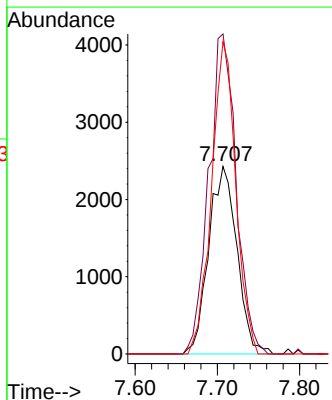
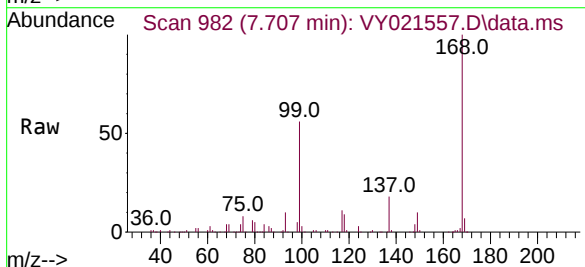
Tgt Ion: 56 Resp: 5804

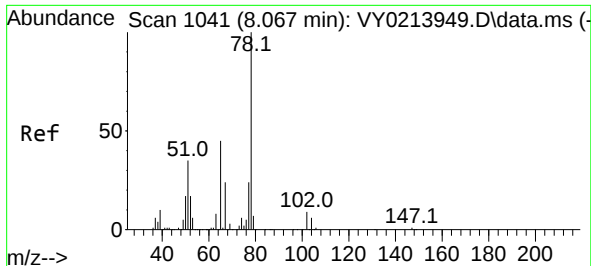
Ion Ratio Lower Upper

56 100

69 170.6 27.0 40.4#

84 166.5 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 55.642 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

Instrument :

MSVOA_Y

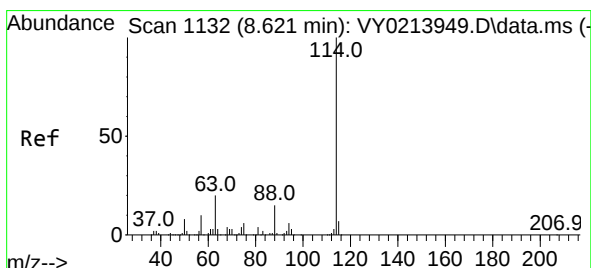
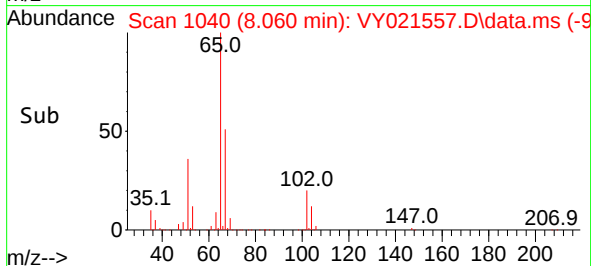
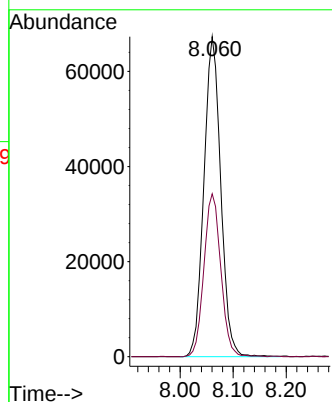
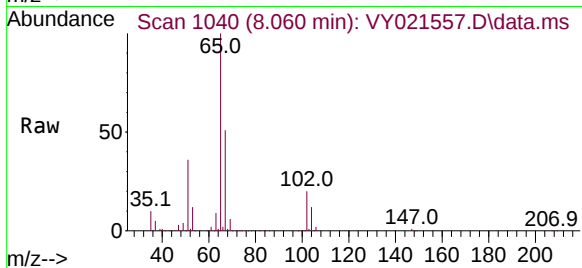
ClientSampleId :

Tgt Ion: 65 Resp: 148257

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

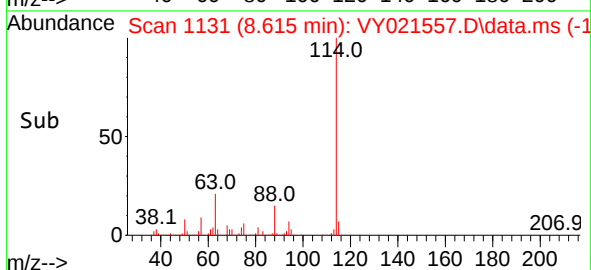
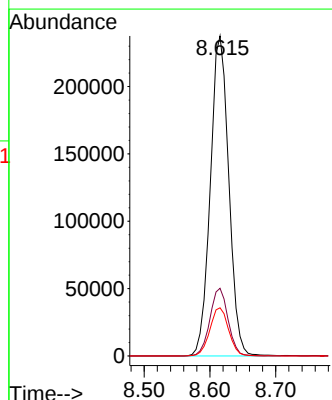
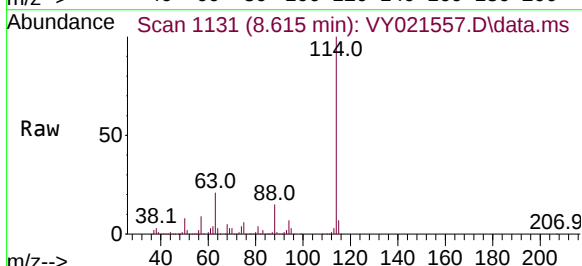
Tgt Ion: 114 Resp: 463980

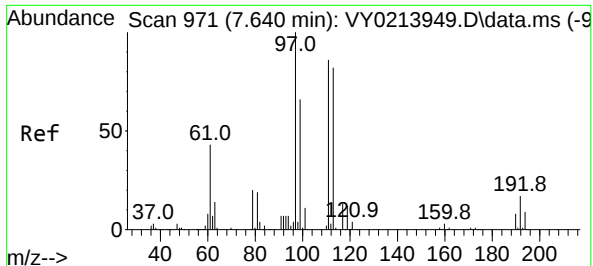
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.319 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

Instrument :

MSVOA_Y

ClientSampleId :

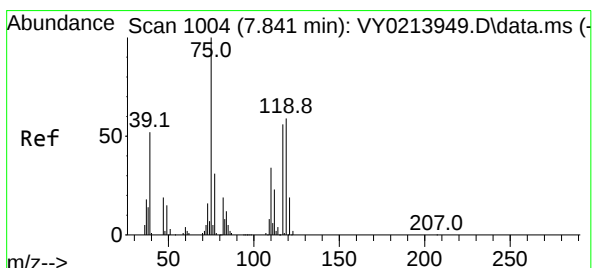
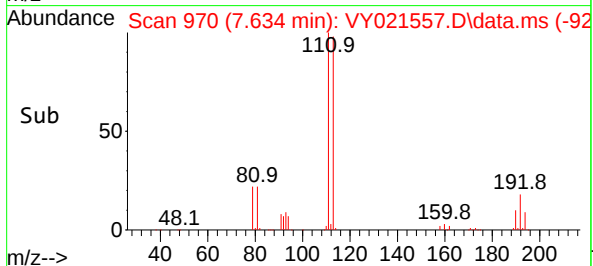
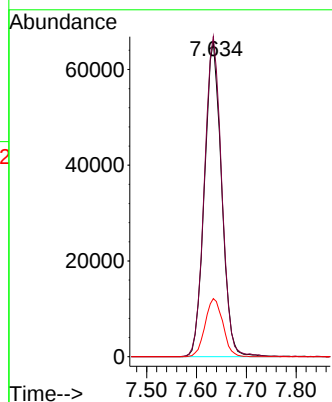
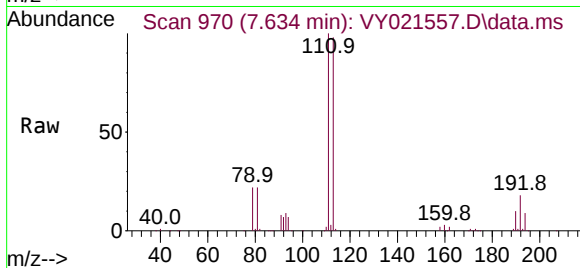
Tgt Ion:113 Resp: 156514

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

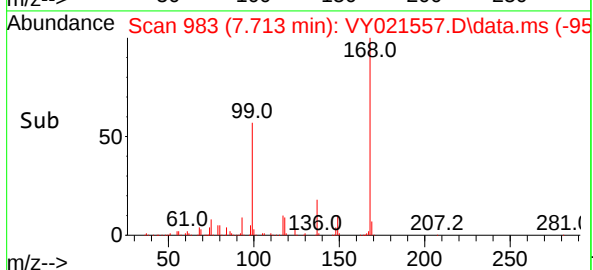
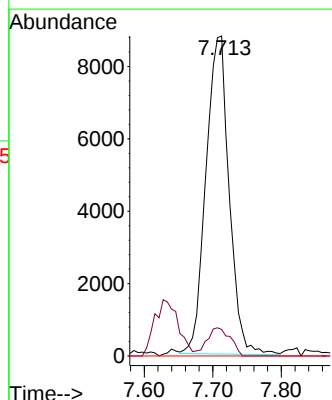
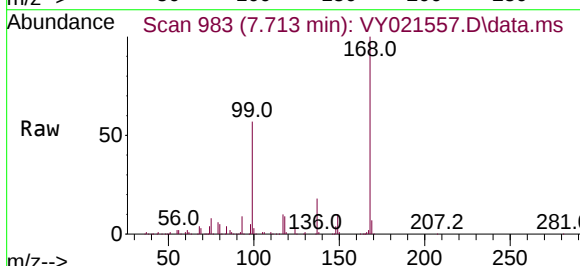
Tgt Ion: 75 Resp: 20723

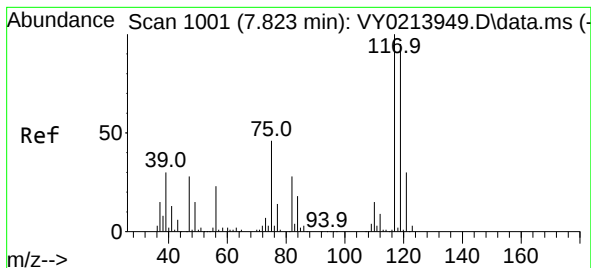
Ion Ratio Lower Upper

75 100

110 8.7 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.944 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

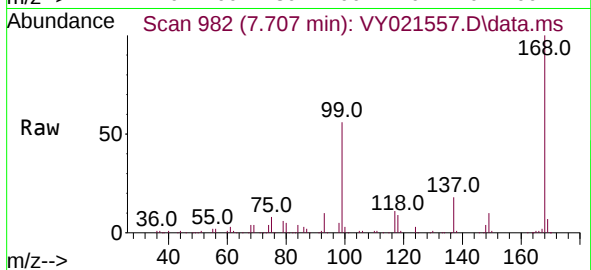
Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

Instrument :

MSVOA_Y

ClientSampleId :



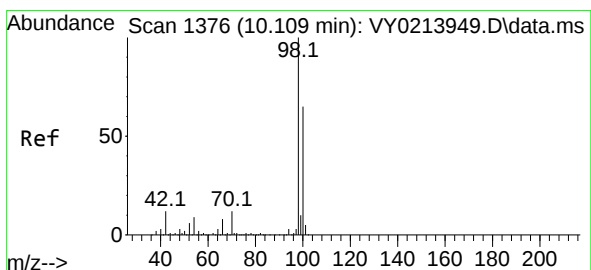
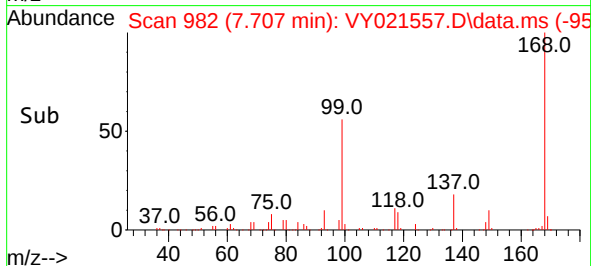
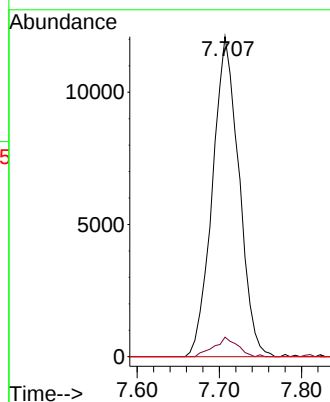
Tgt Ion:117 Resp: 27144

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 49.175 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021557.D

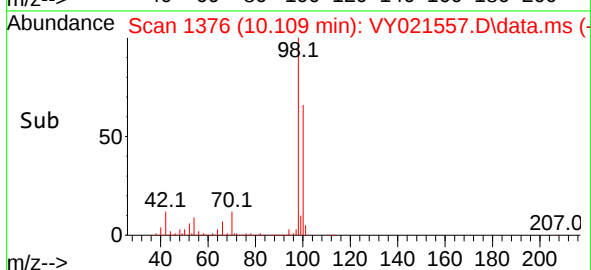
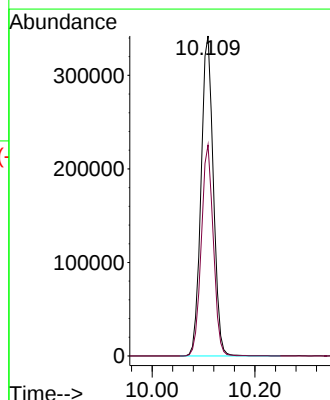
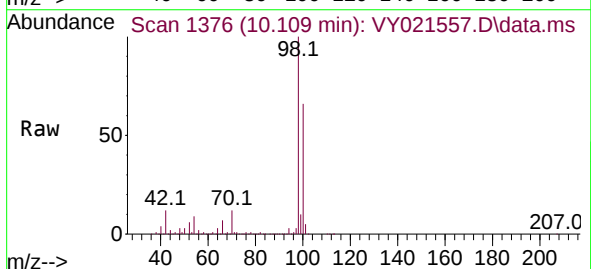
Acq: 18 Mar 2025 11:06

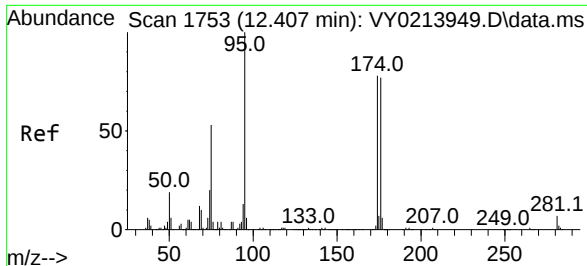
Tgt Ion: 98 Resp: 567845

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.262 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

Instrument :

MSVOA_Y

ClientSampleId :

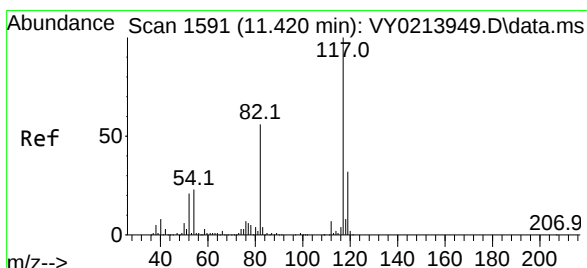
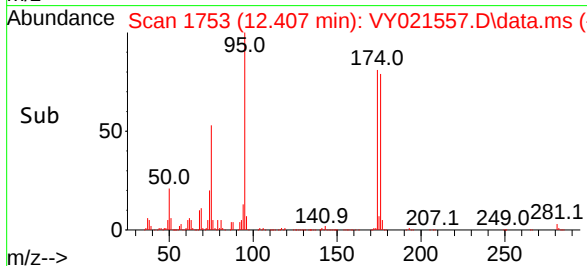
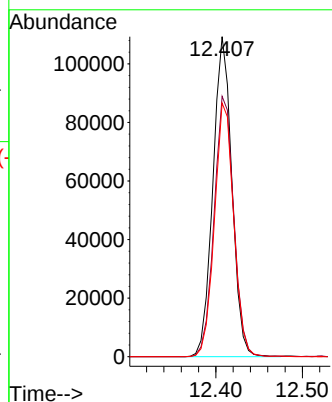
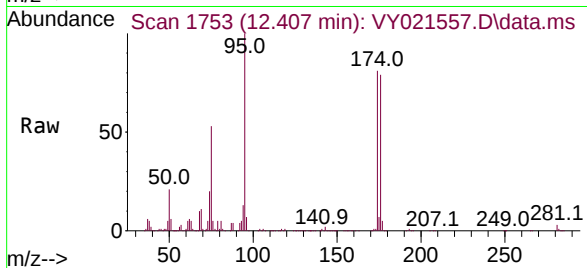
Tgt Ion: 95 Resp: 166006

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.0

176 80.5 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021557.D

Acq: 18 Mar 2025 11:06

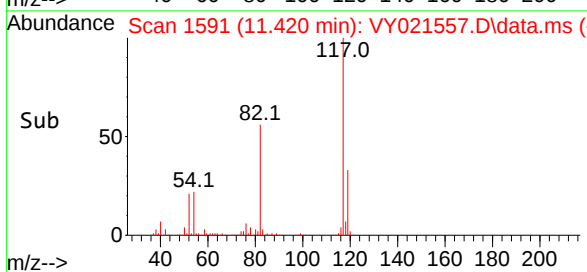
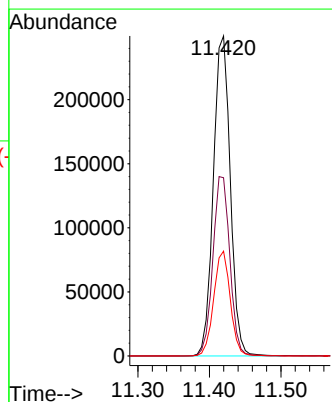
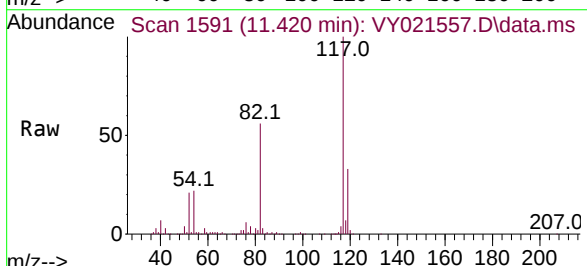
Tgt Ion: 117 Resp: 410354

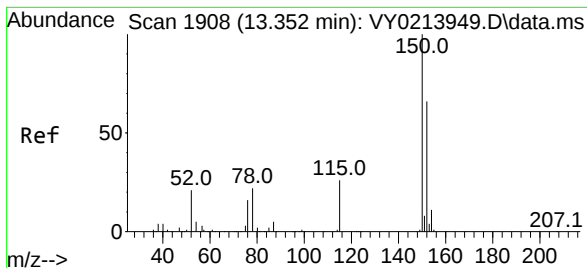
Ion Ratio Lower Upper

117 100

82 55.7 44.6 67.0

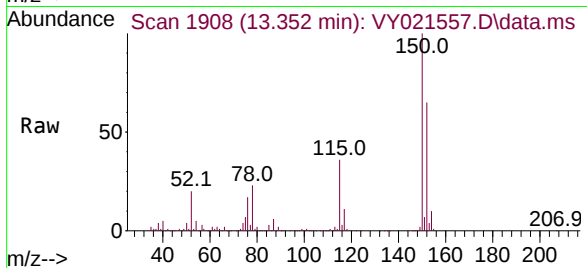
119 32.8 25.4 38.0



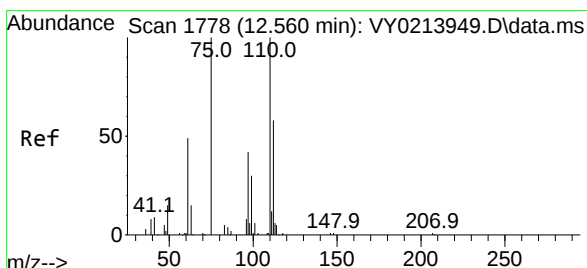
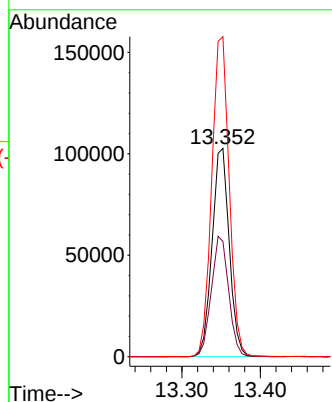
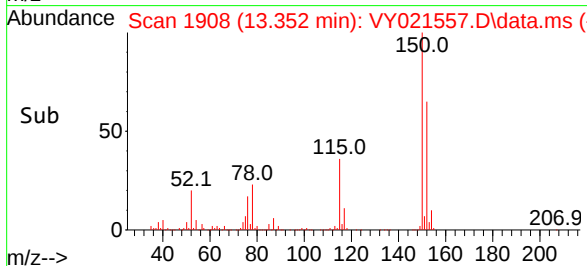


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021557.D
 Acq: 18 Mar 2025 11:06

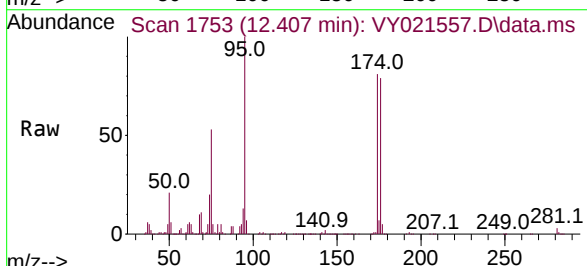
Instrument :
 MSVOA_Y
 ClientSampleId :



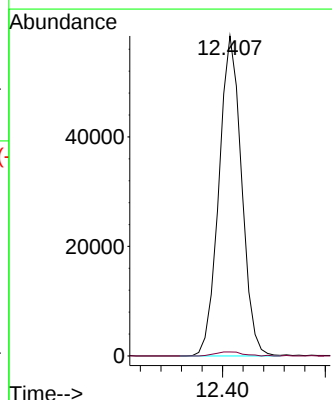
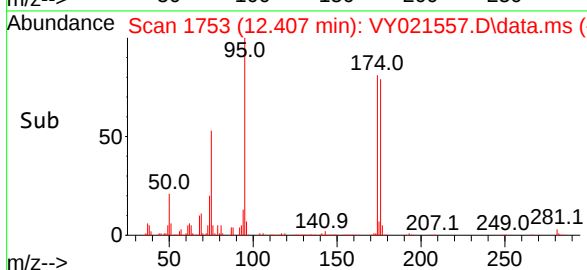
Tgt Ion:152 Resp: 156201
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.0 87.0
 150 156.3 0.0 347.2

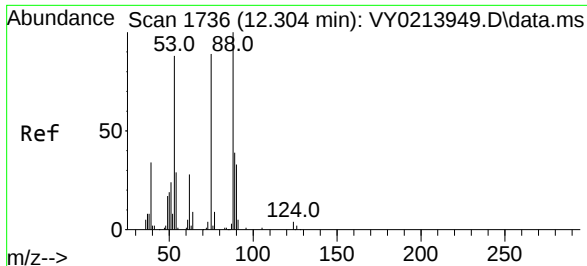


#76
 1,2,3-Trichloropropane
 Concen: 56.793 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021557.D
 Acq: 18 Mar 2025 11:06



Tgt Ion: 75 Resp: 89393
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

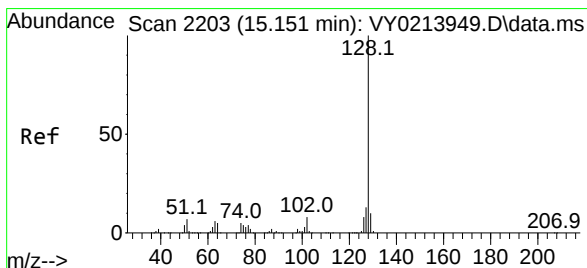
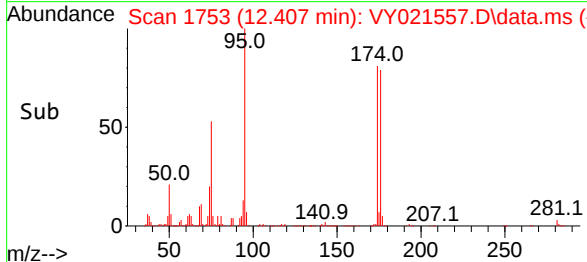
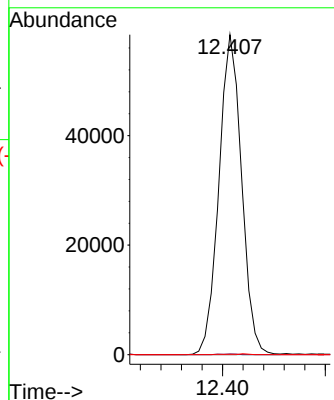
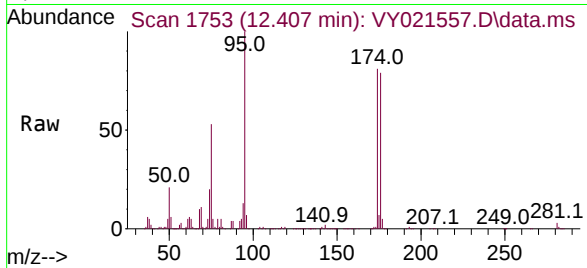




#81
trans-1,4-Dichloro-2-butene
Concen: 129.108 ug/l
RT: 12.407 min Scan# 1736
Delta R.T. 0.104 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 89393
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 2.087 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021557.D
Acq: 18 Mar 2025 11:06

Tgt Ion: 128 Resp: 2701
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 11.7 8.6 13.0

