

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020988.D
 Acq On : 30 Jan 2025 16:12
 Operator : SY/MD
 Sample : Q1207-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:42:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	319831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	499748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	154353	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	126155	46.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.660%
35) Dibromofluoromethane	7.640	113	118400	39.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.820%
50) Toluene-d8	10.109	98	483901	41.266	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.540%
62) 4-Bromofluorobenzene	12.407	95	140647	35.744	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	71.480%

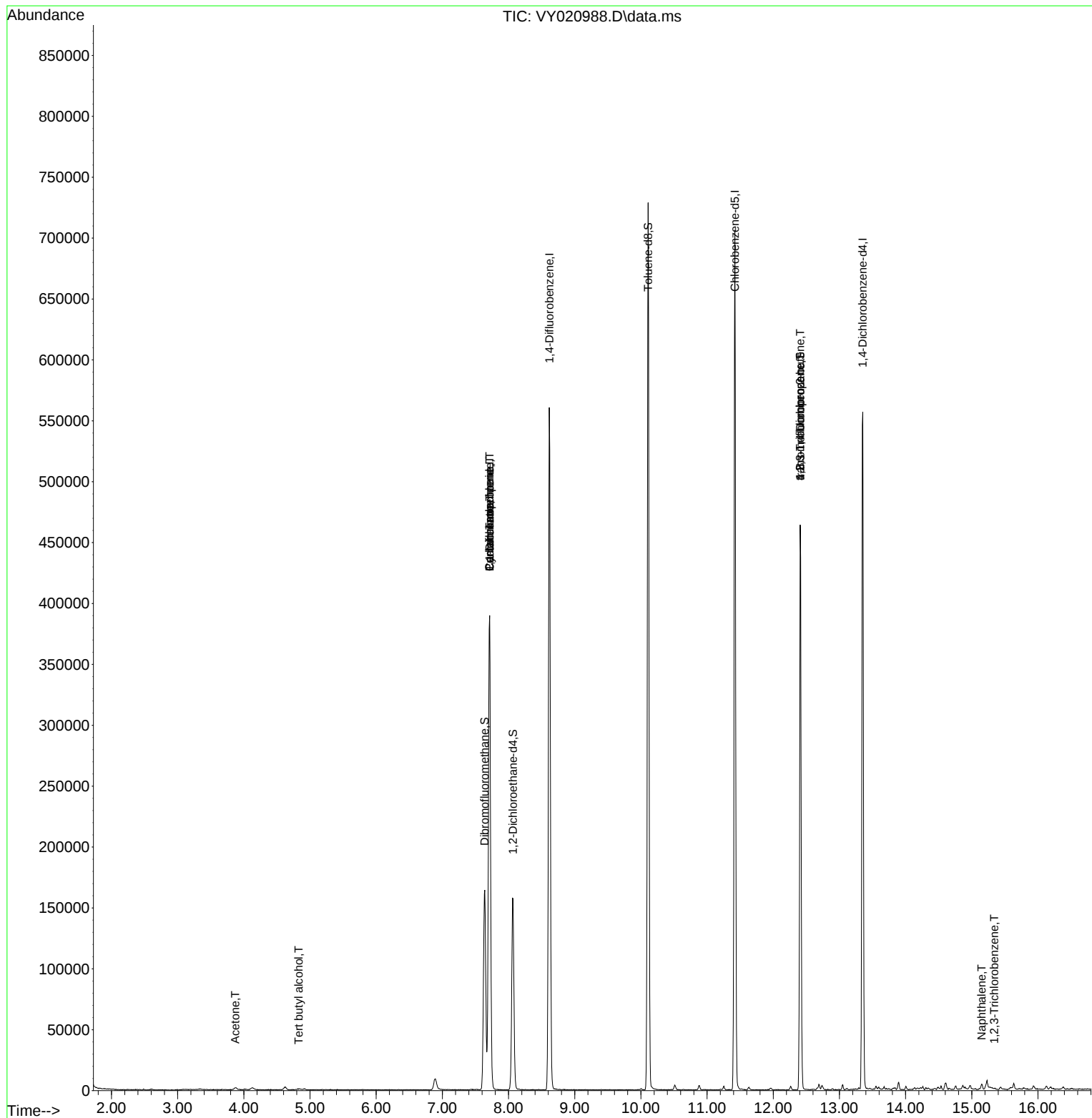
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	1224	6.153	ug/l #	73
16) Acetone	3.872	43	3295	8.878	ug/l	90
31) Cyclohexane	7.713	56	5214	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	21325	4.975	ug/l #	50
38) Carbon Tetrachloride	7.713	117	30628	5.774	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	69965	57.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	69965	118.860	ug/l #	15
95) Naphthalene	15.151	128	3503	4.683	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.340	180	82	4.525	ug/l #	1

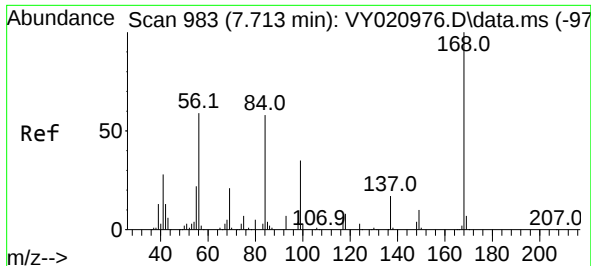
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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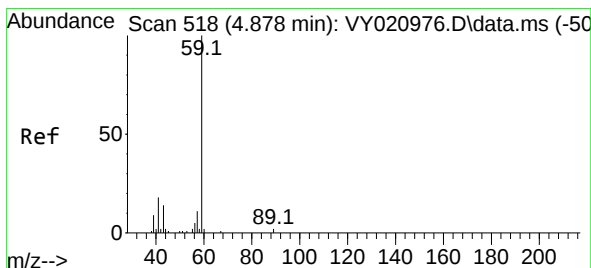
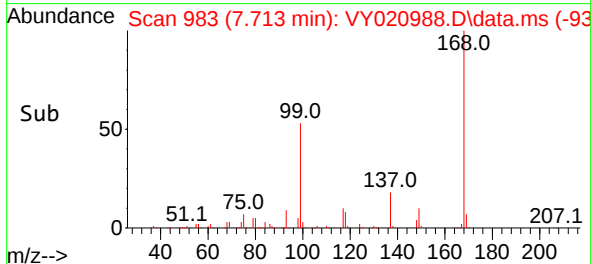
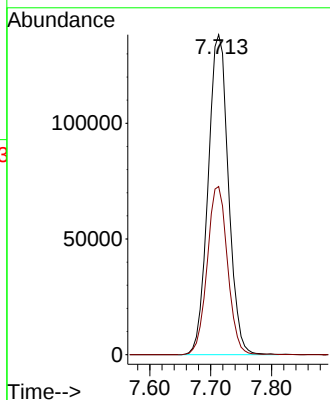
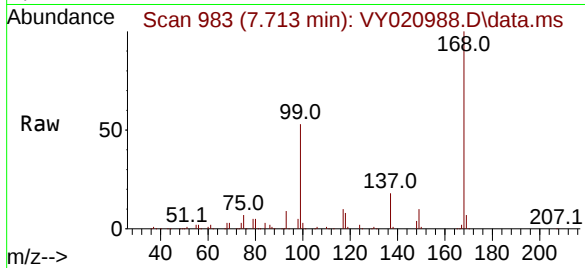




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

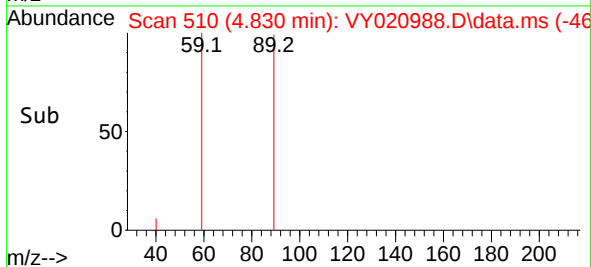
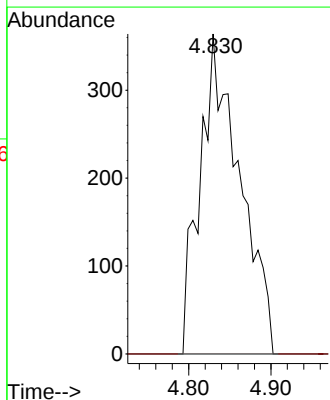
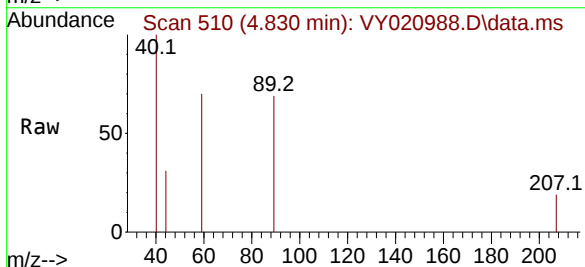
Instrument :
MSVOA_Y
ClientSampleId :

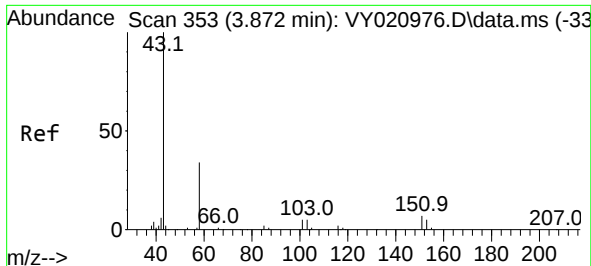
Tgt Ion:168 Resp: 319831
Ion Ratio Lower Upper
168 100
99 52.5 42.2 63.2



#11
Tert butyl alcohol
Concen: 6.153 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.048 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

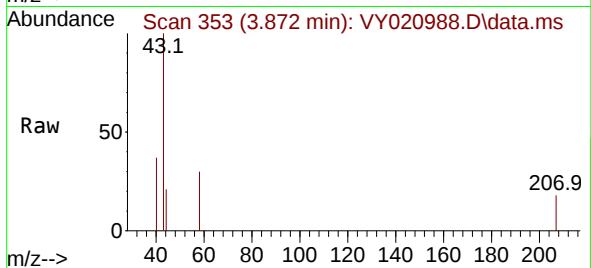
Tgt Ion: 59 Resp: 1224
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



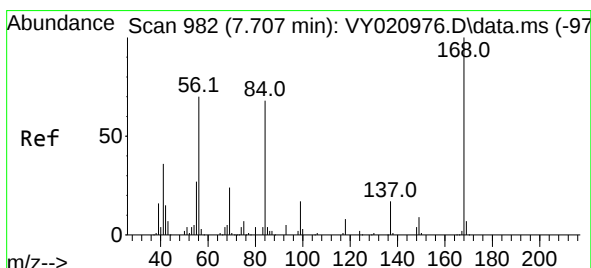
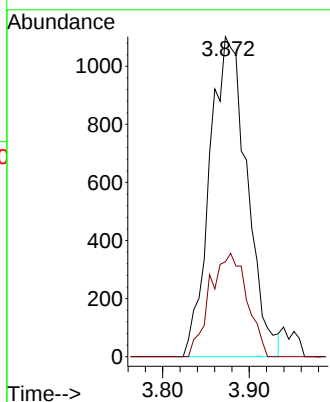
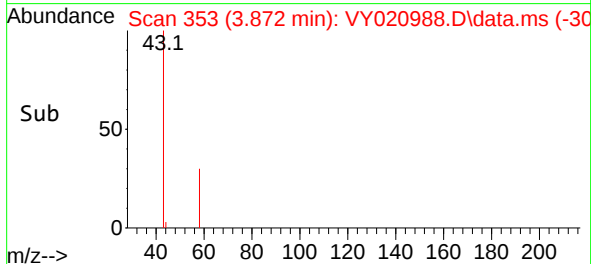


#16
Acetone
Concen: 8.878 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

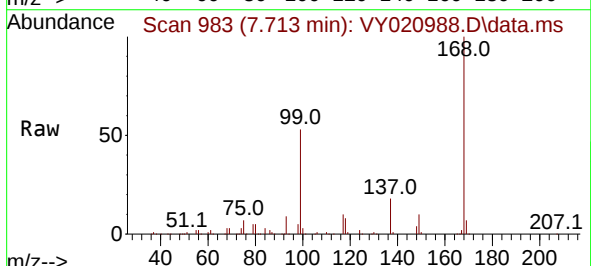
Instrument :
MSVOA_Y
ClientSampleId :



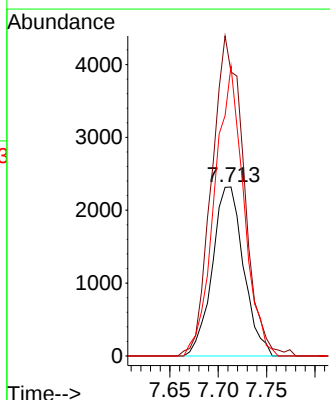
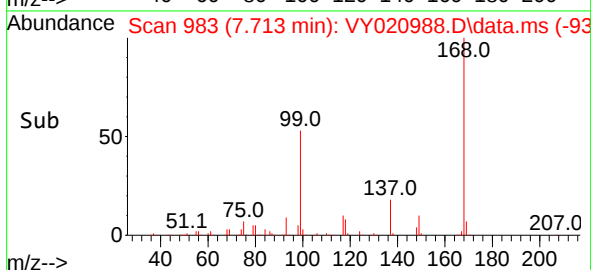
Tgt Ion: 43 Resp: 3295
Ion Ratio Lower Upper
43 100
58 29.7 28.4 42.6

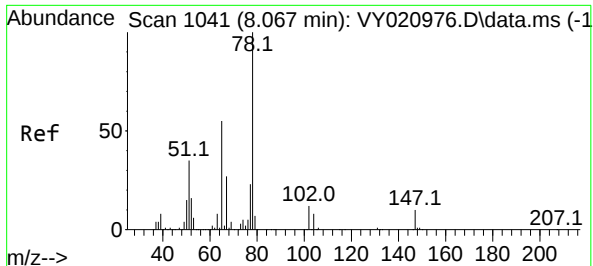


#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12



Tgt Ion: 56 Resp: 5214
Ion Ratio Lower Upper
56 100
69 168.0 27.7 41.5#
84 171.5 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 46.328 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY020988.D

Acq: 30 Jan 2025 16:12

Instrument :

MSVOA_Y

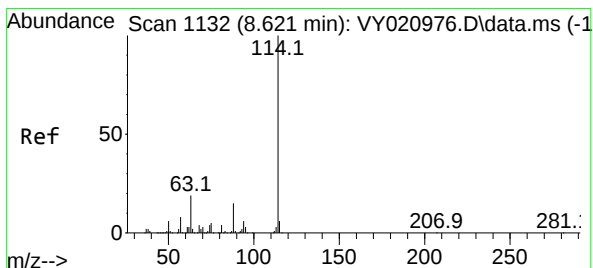
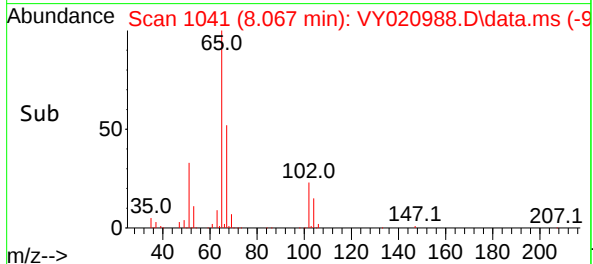
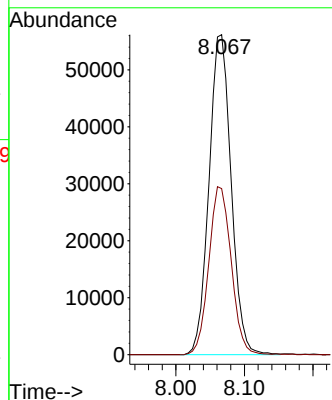
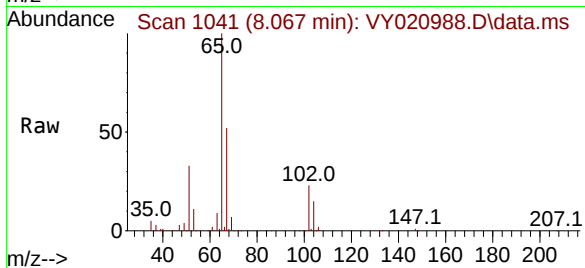
ClientSampleId :

Tgt Ion: 65 Resp: 126155

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020988.D

Acq: 30 Jan 2025 16:12

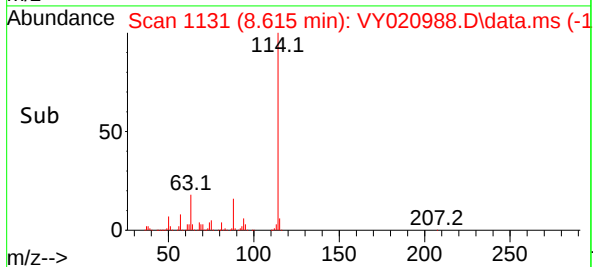
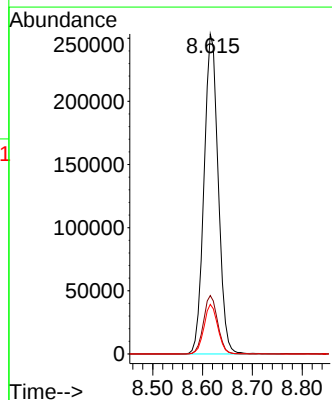
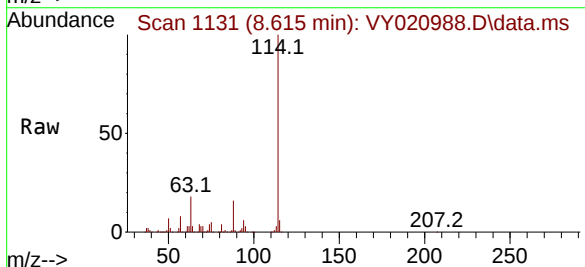
Tgt Ion: 114 Resp: 499748

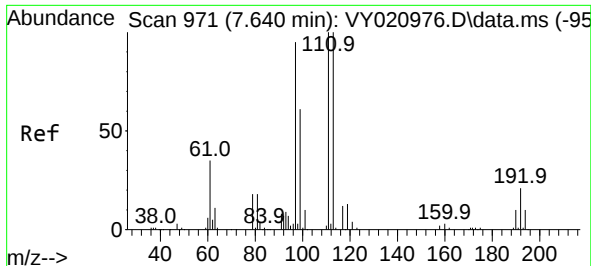
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.2

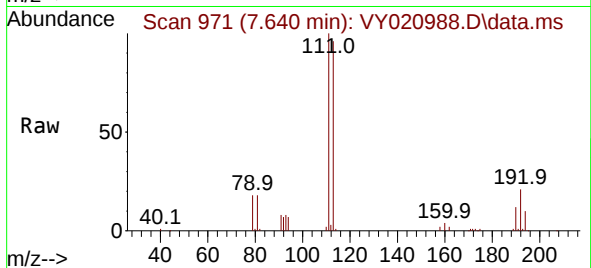
88 15.5 0.0 29.6



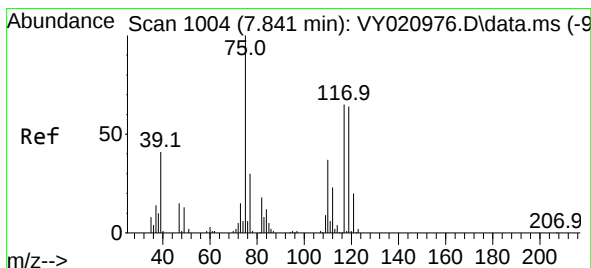
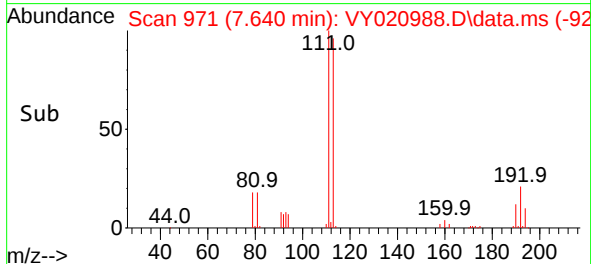
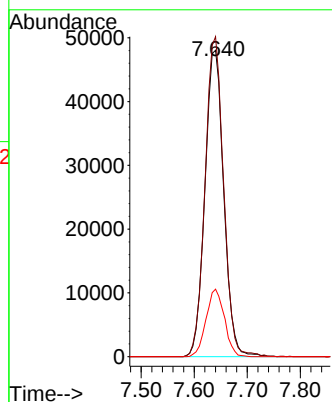


#35
Dibromofluoromethane
Concen: 39.409 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :

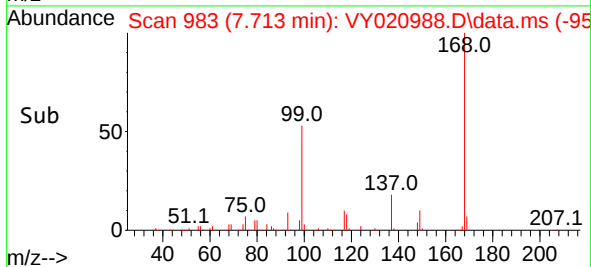
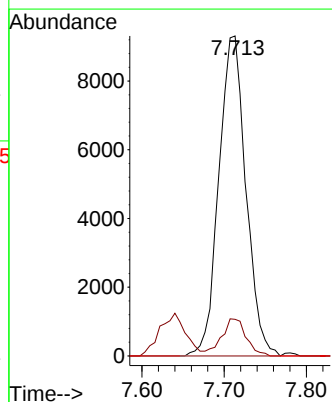
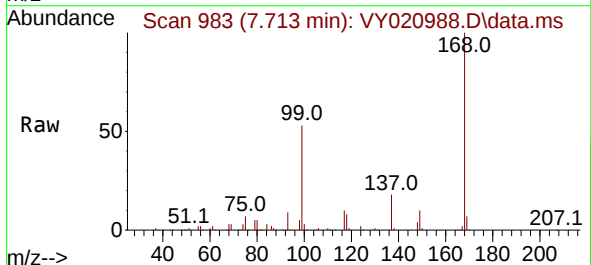


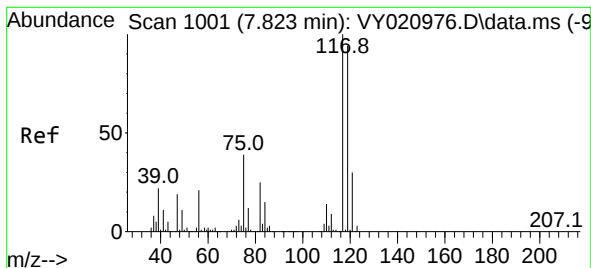
Tgt Ion:113 Resp: 118400
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 21.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.975 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

Tgt Ion: 75 Resp: 21325
Ion Ratio Lower Upper
75 100
110 10.5 18.4 55.2#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

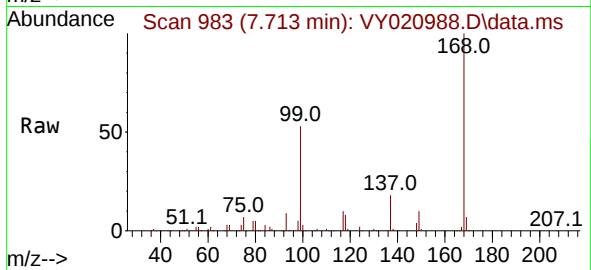
Lab File: VY020988.D

Acq: 30 Jan 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :



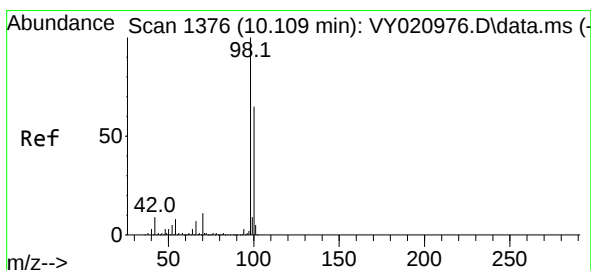
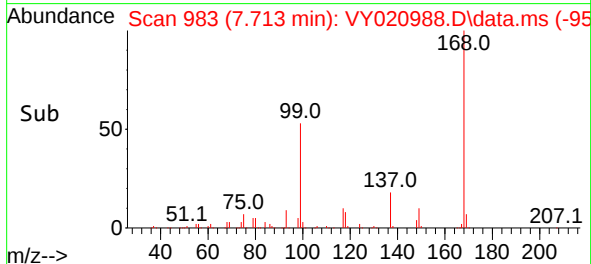
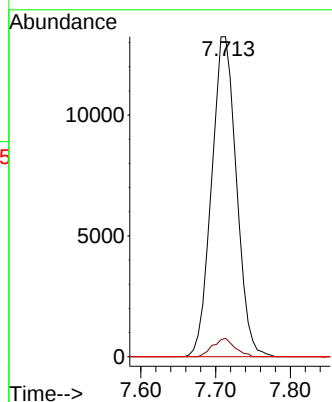
Tgt Ion:117 Resp: 30628

Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.6#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 41.266 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020988.D

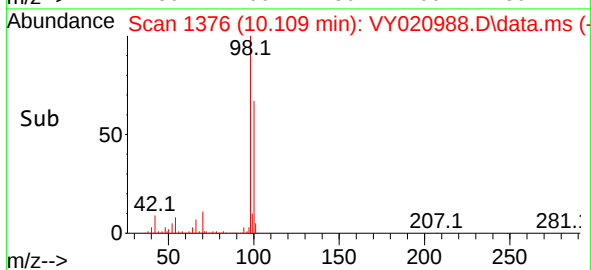
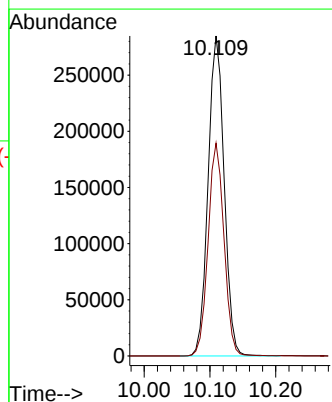
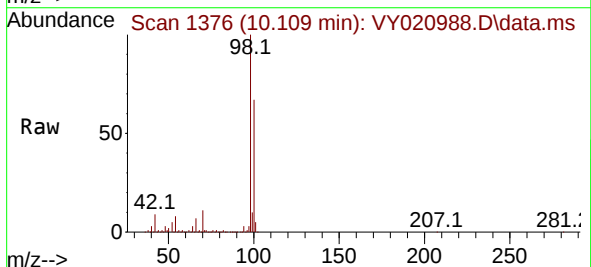
Acq: 30 Jan 2025 16:12

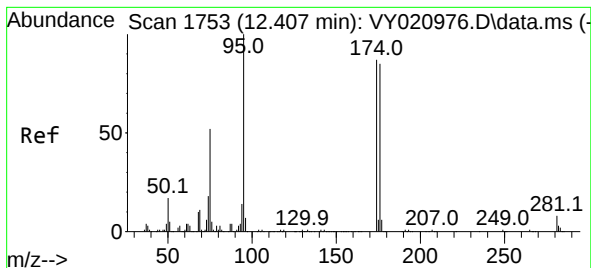
Tgt Ion: 98 Resp: 483901

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0

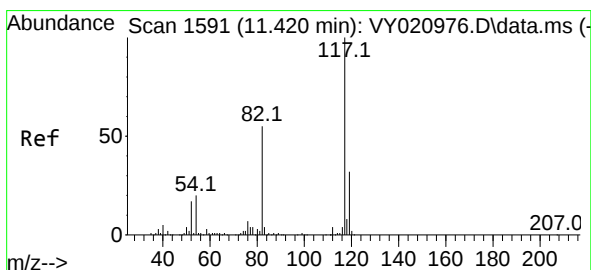
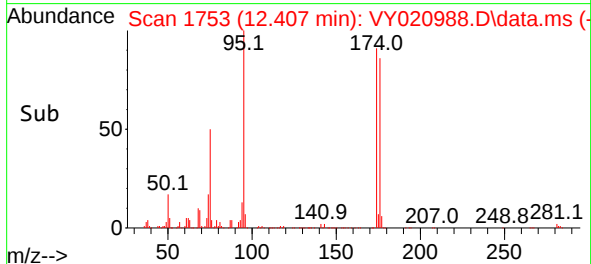
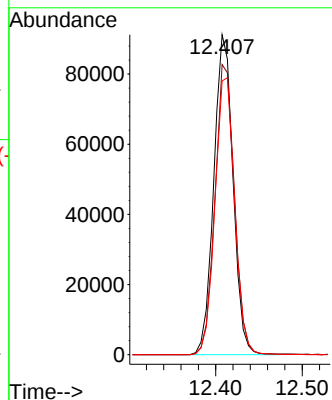
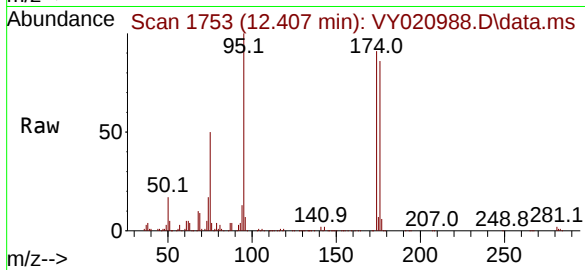




#62
4-Bromofluorobenzene
Concen: 35.744 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

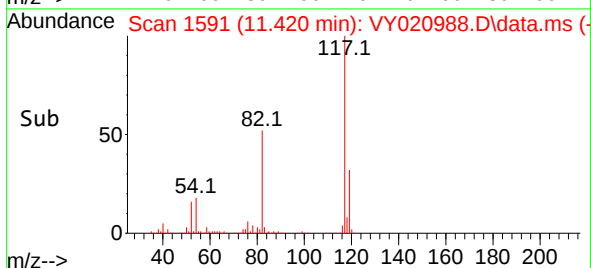
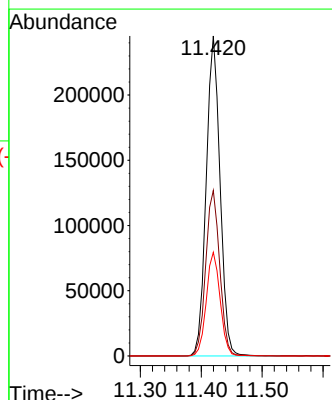
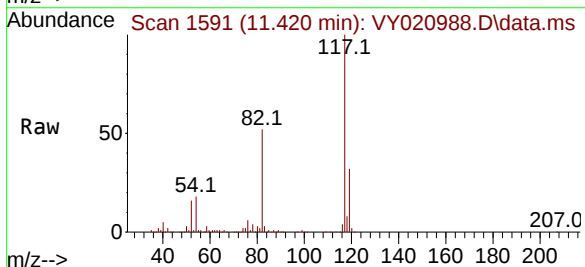
Instrument :
MSVOA_Y
ClientSampleId :

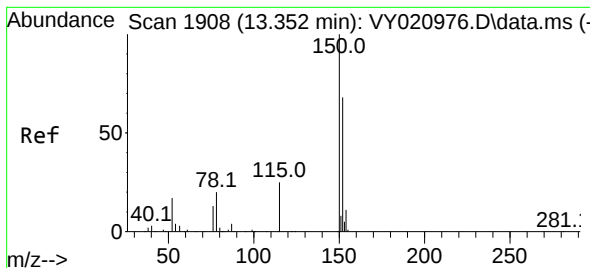
Tgt Ion: 95 Resp: 140647
Ion Ratio Lower Upper
95 100
174 92.0 0.0 181.2
176 88.9 0.0 175.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020988.D
Acq: 30 Jan 2025 16:12

Tgt Ion: 117 Resp: 386706
Ion Ratio Lower Upper
117 100
82 51.7 44.2 66.2
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020988.D

Acq: 30 Jan 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

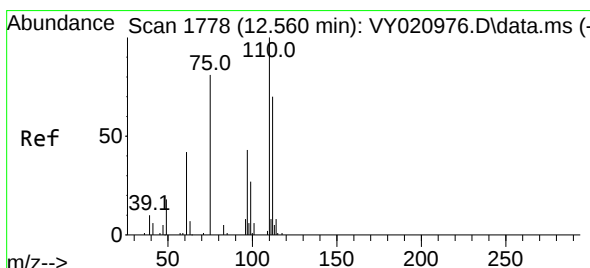
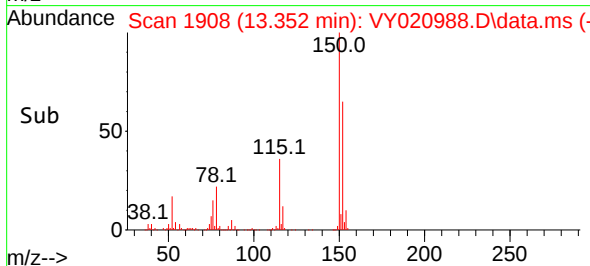
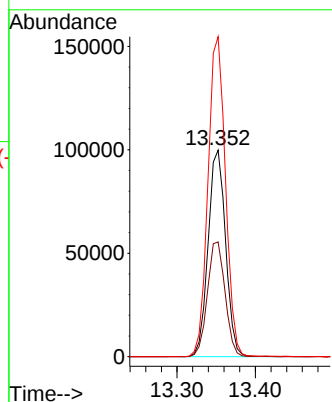
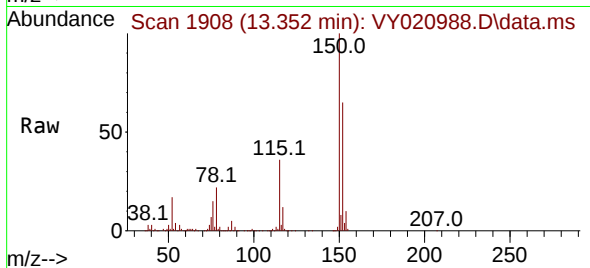
Tgt Ion:152 Resp: 154353

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

150 154.8 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 57.259 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020988.D

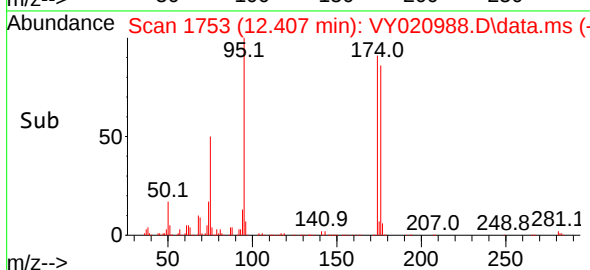
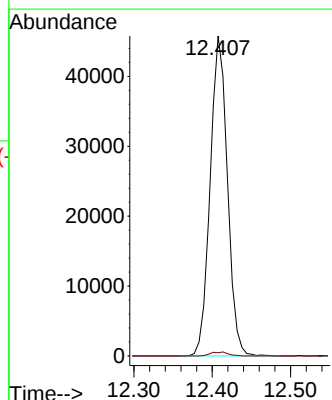
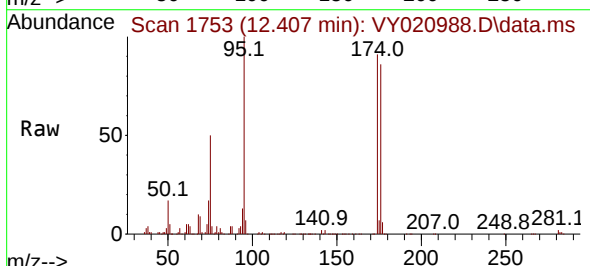
Acq: 30 Jan 2025 16:12

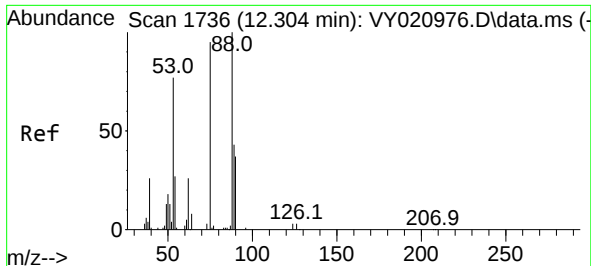
Tgt Ion: 75 Resp: 69965

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

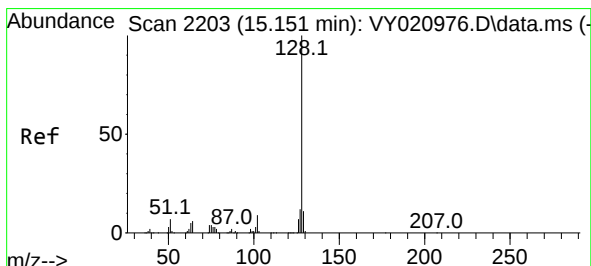
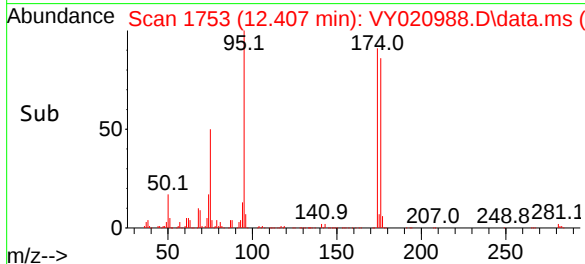
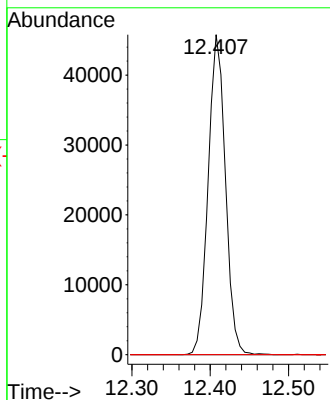
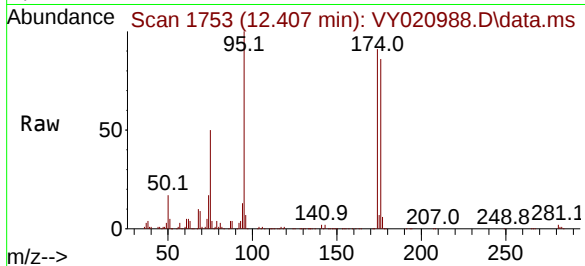




#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.860 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY020988.D
 Acq: 30 Jan 2025 16:12

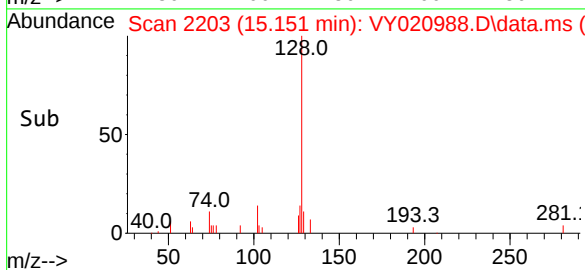
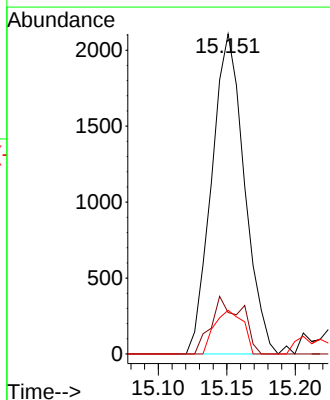
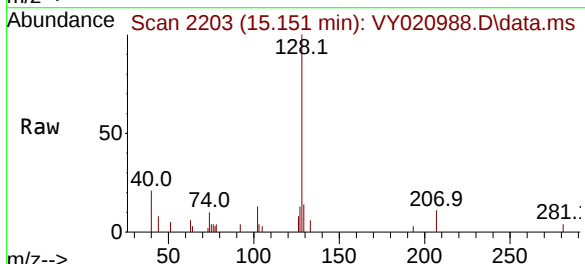
Instrument :
 MSVOA_Y
 ClientSampleId :

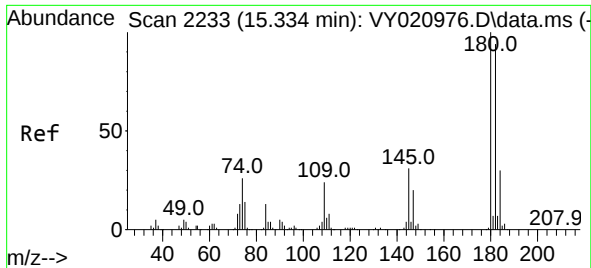
Tgt Ion: 75 Resp: 69965
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 38.1 57.1#



#95
 Naphthalene
 Concen: 4.683 ug/l
 RT: 15.151 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: VY020988.D
 Acq: 30 Jan 2025 16:12

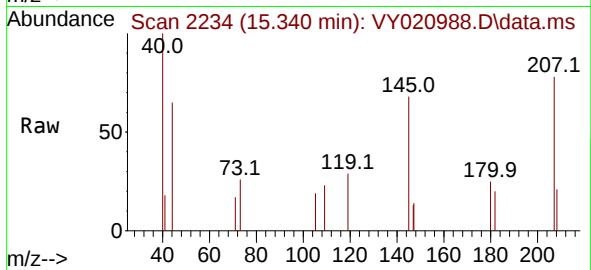
Tgt Ion: 128 Resp: 3503
 Ion Ratio Lower Upper
 128 100
 127 16.7 10.2 15.4#
 129 12.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 4.525 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY020988.D
 Acq: 30 Jan 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 82
 Ion Ratio Lower Upper
 180 100
 182 204.9 47.7 143.1#
 145 411.0 15.6 46.7#

