

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020995.D
 Acq On : 30 Jan 2025 18:50
 Operator : SY/MD
 Sample : Q1216-17
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:44:21 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)

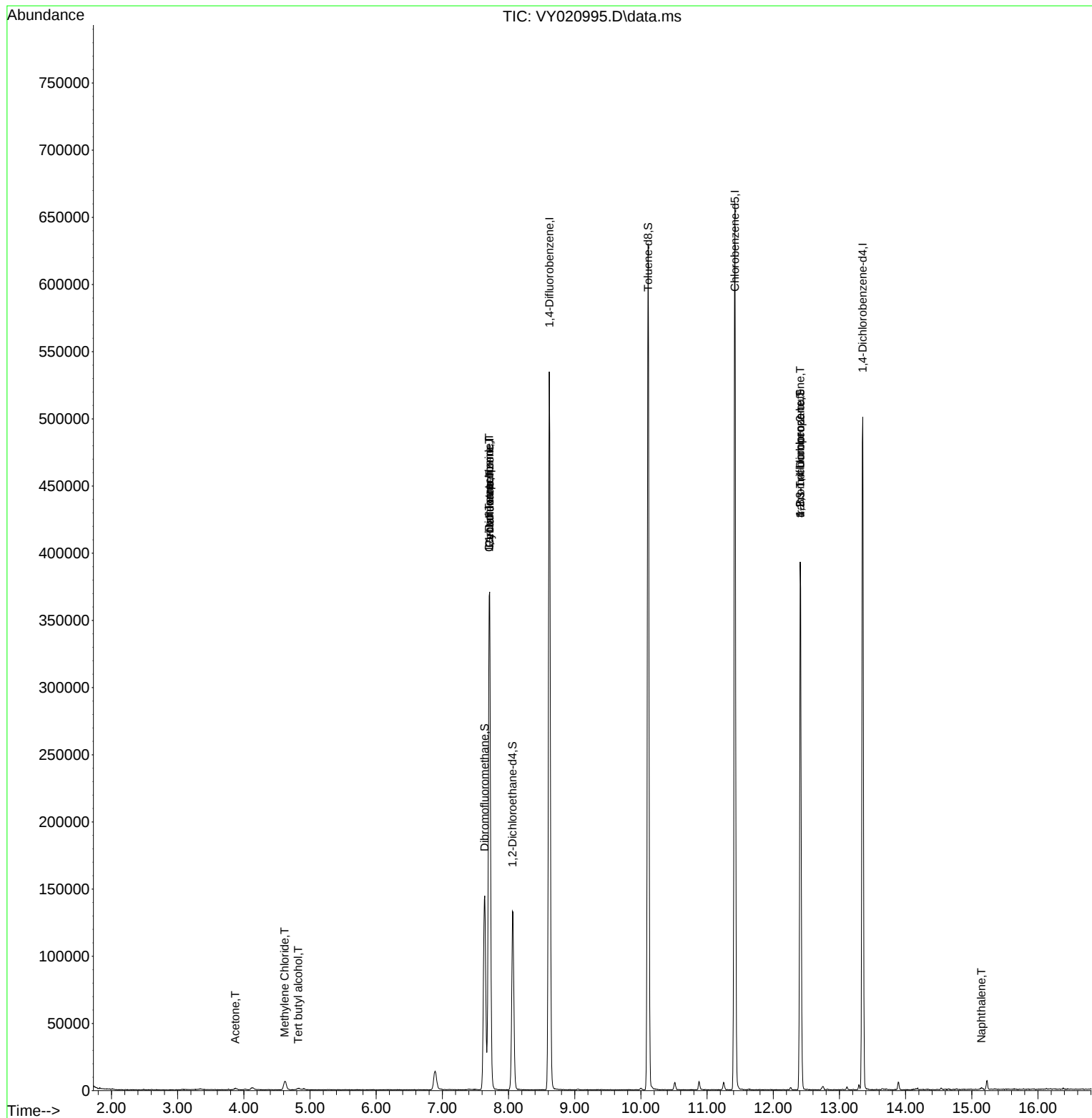
Internal Standards						
1) Pentafluorobenzene	7.713	168	307535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	477378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	365449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106322	40.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.220%
35) Dibromofluoromethane	7.640	113	105525	36.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.540%
50) Toluene-d8	10.109	98	419785	37.476	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.960%
62) 4-Bromofluorobenzene	12.408	95	116949	31.114	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	62.220%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.824	59	617	3.226	ug/l #	73
16) Acetone	3.873	43	1964	5.503	ug/l	88
20) Methylene Chloride	4.616	84	5147	1.955	ug/l #	90
31) Cyclohexane	7.713	56	4799	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	20169	4.926	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29263	5.776	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	59141	54.417	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	59141	112.960	ug/l #	15
95) Naphthalene	15.145	128	1462	4.316	ug/l #	96

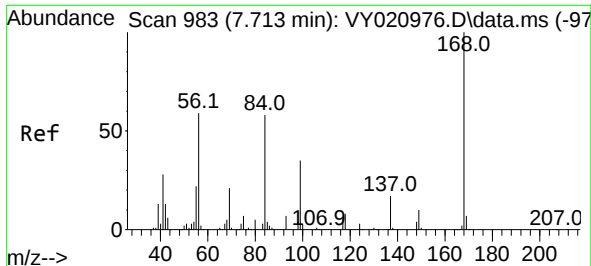
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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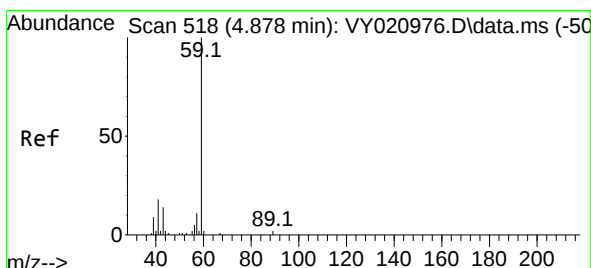
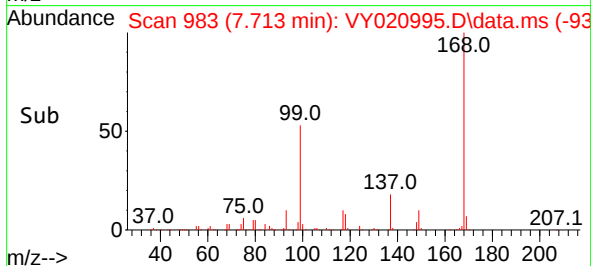
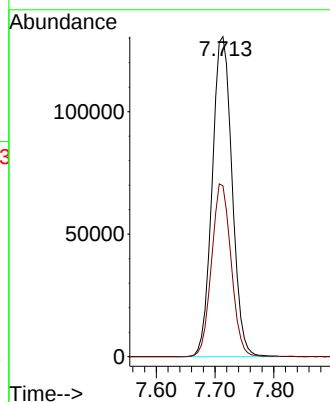
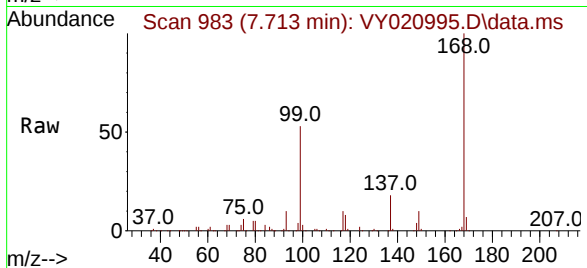




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

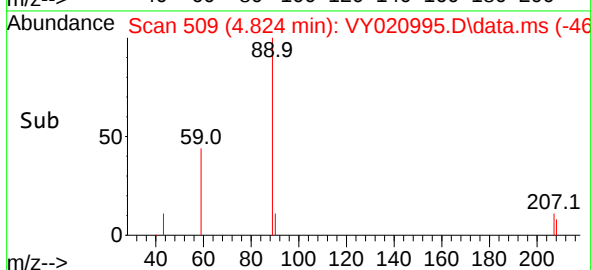
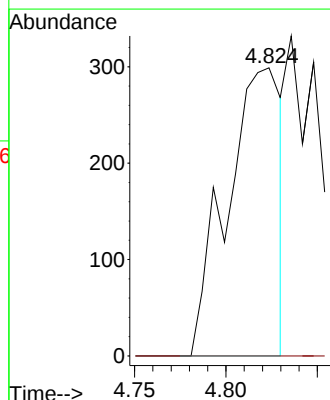
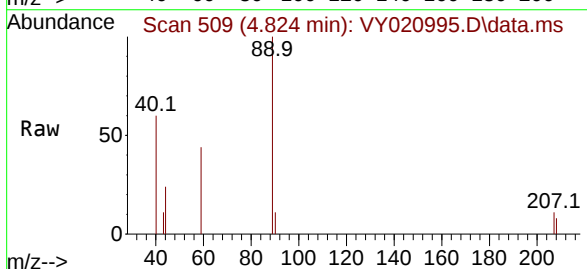
Instrument :
MSVOA_Y
ClientSampleId :

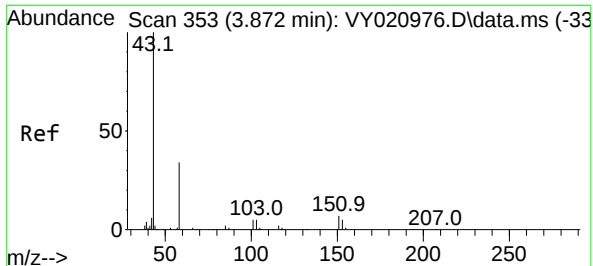
Tgt Ion:168 Resp: 307535
Ion Ratio Lower Upper
168 100
99 53.4 42.2 63.2



#11
Tert butyl alcohol
Concen: 3.226 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.054 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

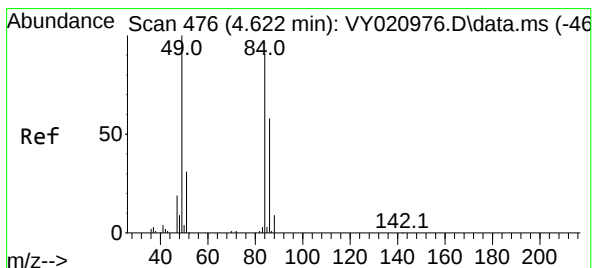
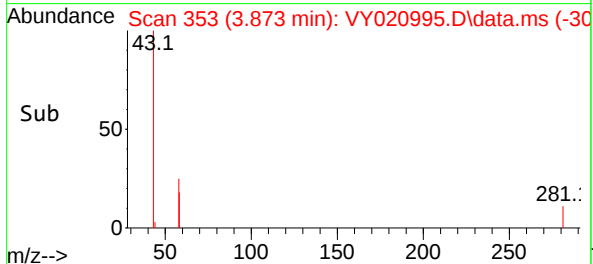
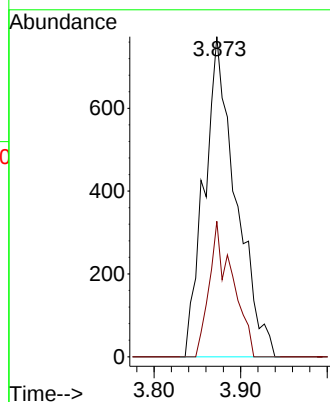
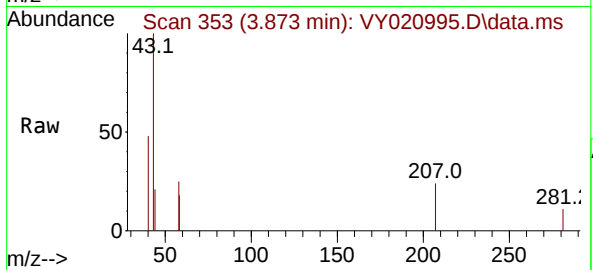




#16
Acetone
Concen: 5.503 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

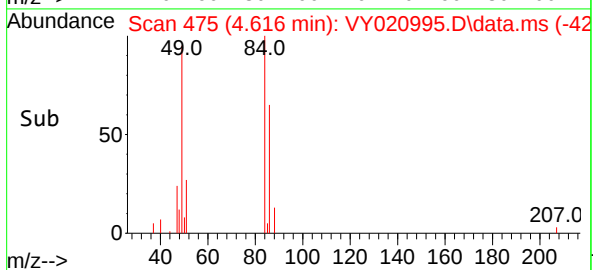
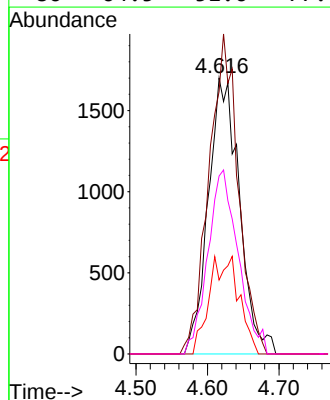
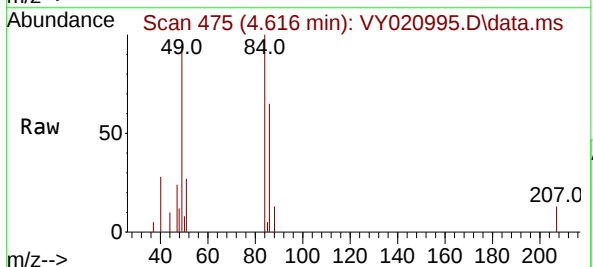
Instrument :
MSVOA_Y
ClientSampleId :

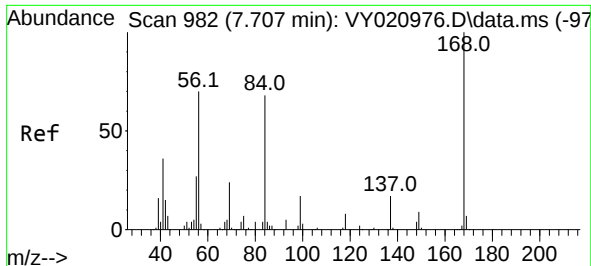
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
58 42.3 28.4 42.6



#20
Methylene Chloride
Concen: 1.955 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

Tgt Ion: 84 Resp: 5147
Ion Ratio Lower Upper
84 100
49 95.1 88.3 132.5
51 26.8 27.7 41.5#
86 64.5 51.6 77.4

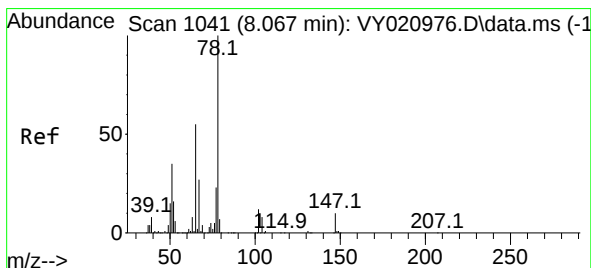
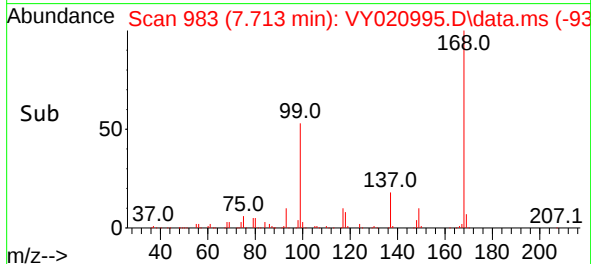
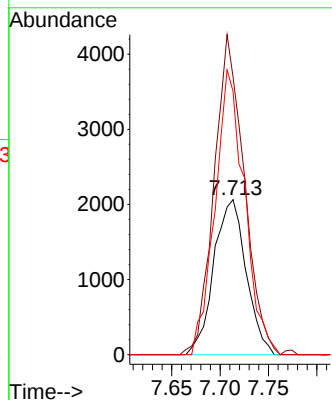
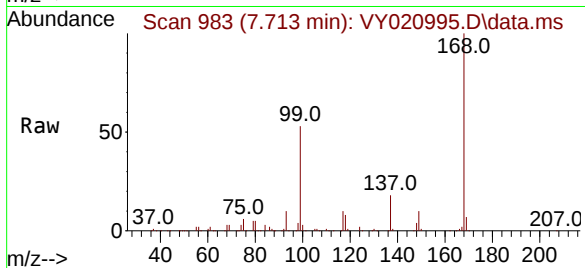




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

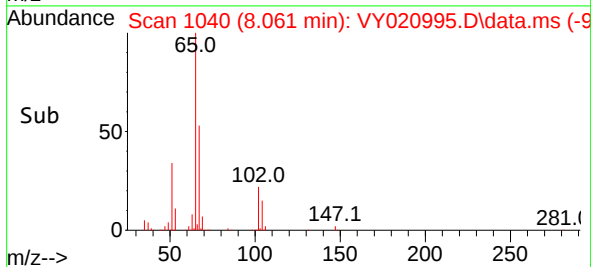
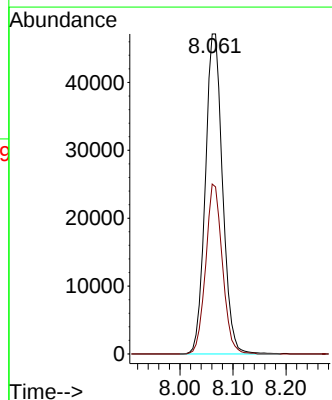
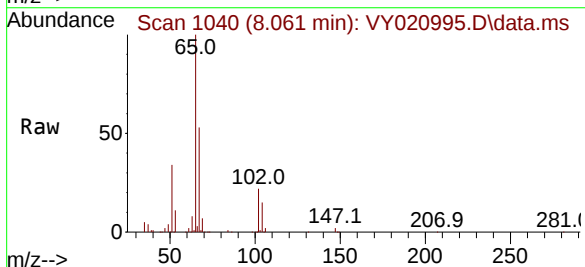
Instrument :
MSVOA_Y
ClientSampleId :

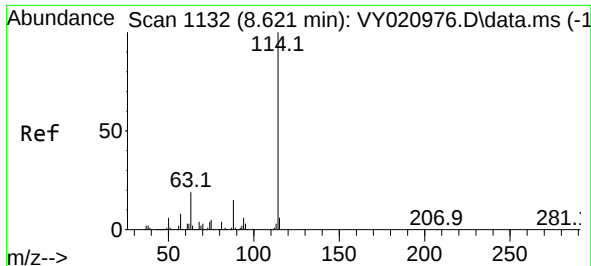
Tgt Ion: 56 Resp: 4799
Ion Ratio Lower Upper
56 100
69 179.4 27.7 41.5#
84 170.1 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 40.606 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

Tgt Ion: 65 Resp: 106322
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020995.D

Acq: 30 Jan 2025 18:50

Instrument :

MSVOA_Y

ClientSampleId :

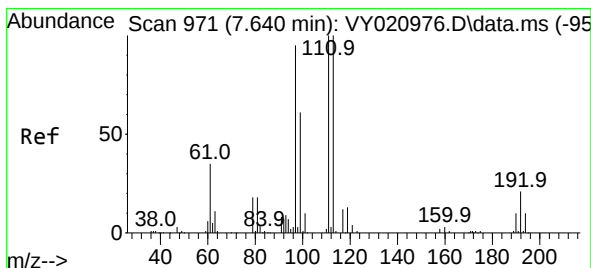
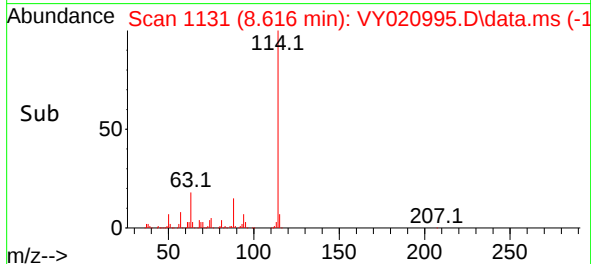
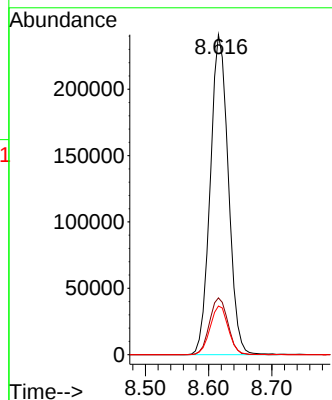
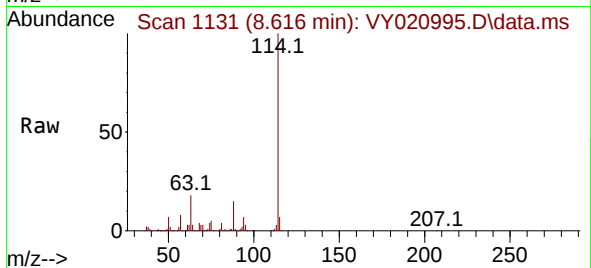
Tgt Ion:114 Resp: 477378

Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.2

88 15.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 36.769 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY020995.D

Acq: 30 Jan 2025 18:50

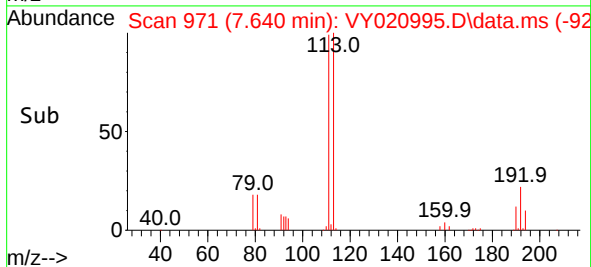
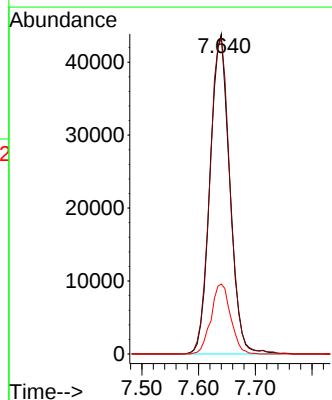
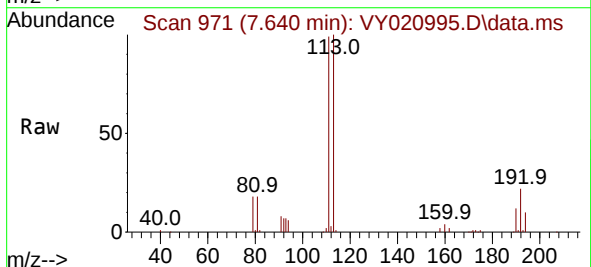
Tgt Ion:113 Resp: 105525

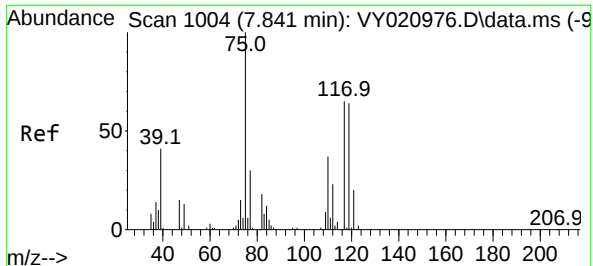
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

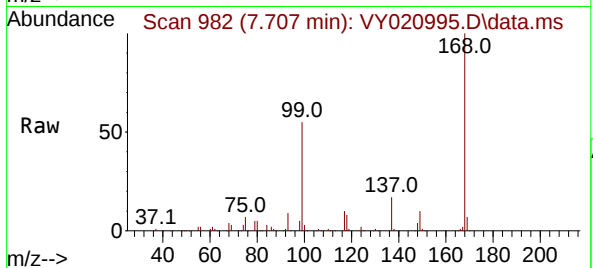
192 21.7 16.8 25.2



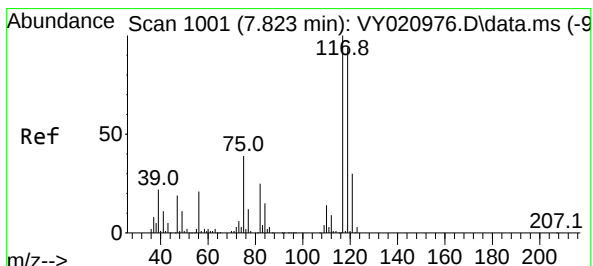
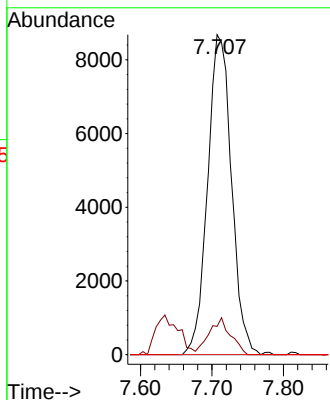
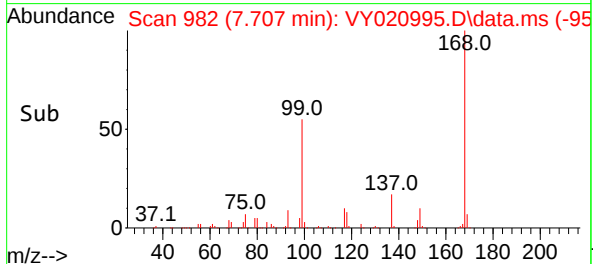


#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

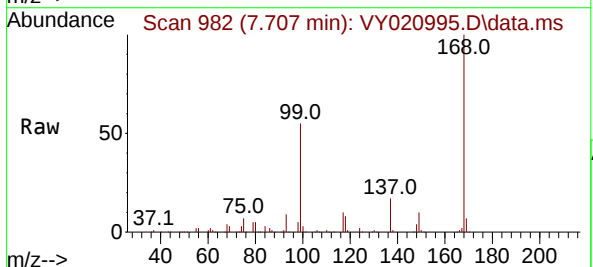
Instrument :
MSVOA_Y
ClientSampleId :



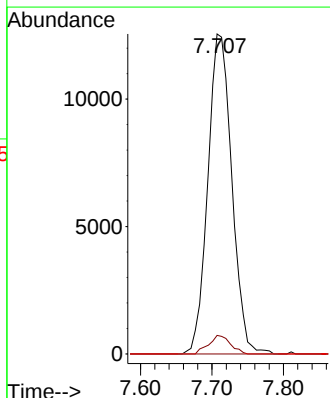
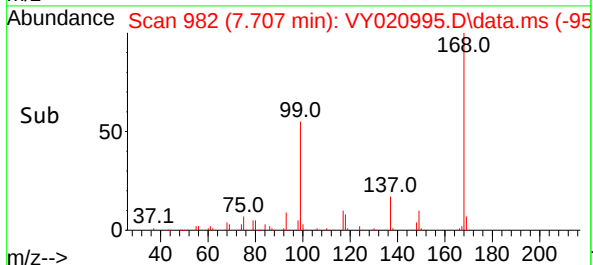
Tgt Ion: 75 Resp: 20169
Ion Ratio Lower Upper
75 100
110 10.4 18.4 55.2#
77 0.0 24.9 37.3#

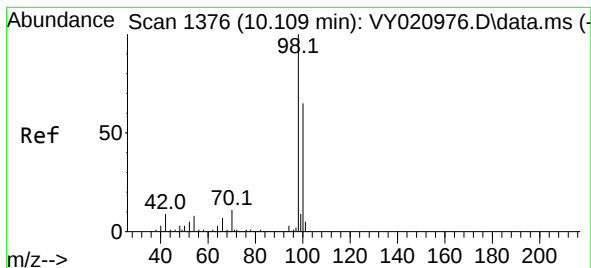


#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50



Tgt Ion: 117 Resp: 29263
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.2 36.2#

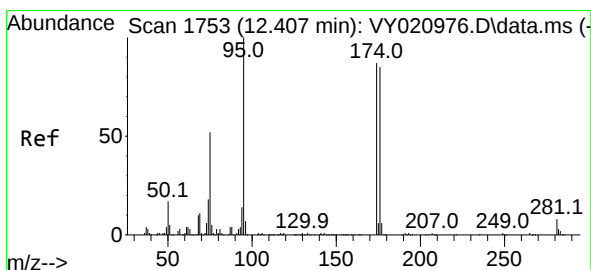
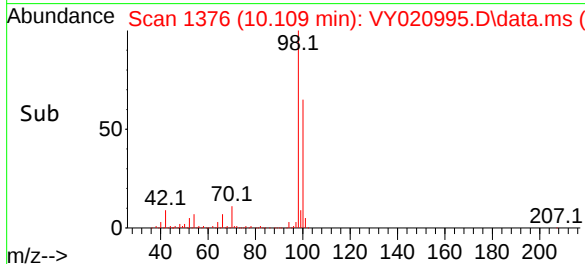
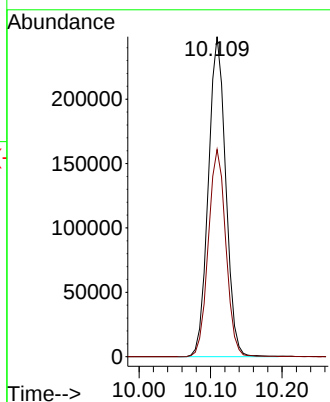
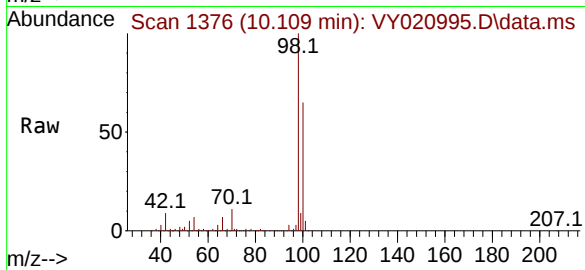




#50
Toluene-d8
Concen: 37.476 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

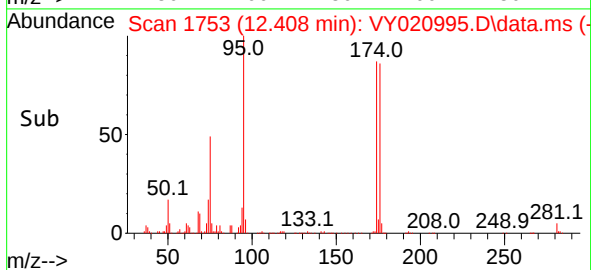
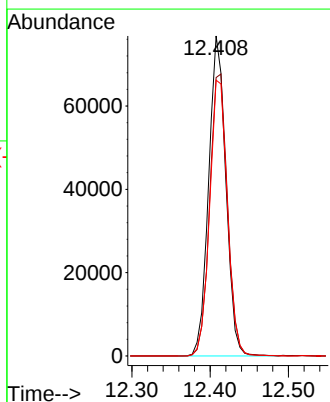
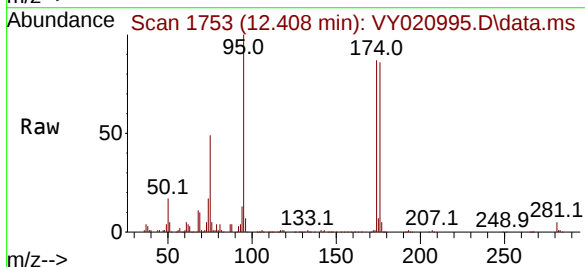
Instrument :
MSVOA_Y
ClientSampleId :

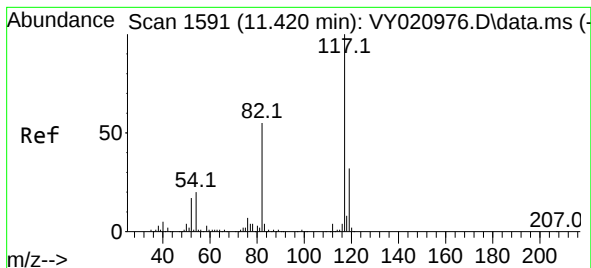
Tgt Ion: 98 Resp: 419785
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 31.114 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

Tgt Ion: 95 Resp: 116949
Ion Ratio Lower Upper
95 100
174 91.6 0.0 181.2
176 89.2 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020995.D

Acq: 30 Jan 2025 18:50

Instrument :

MSVOA_Y

ClientSampleId :

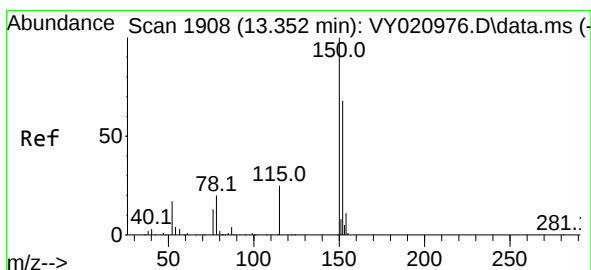
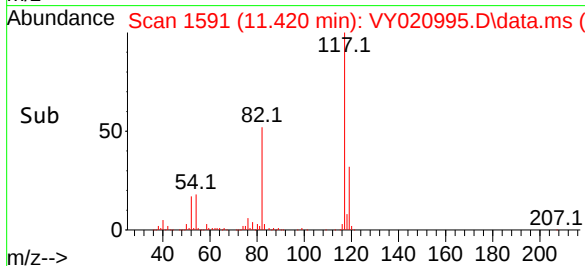
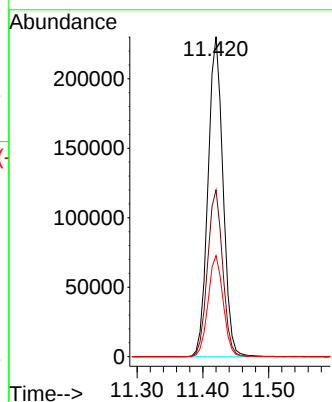
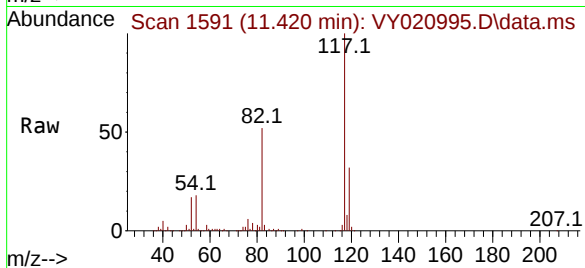
Tgt Ion:117 Resp: 365449

Ion Ratio Lower Upper

117 100

82 52.1 44.2 66.2

119 31.6 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: VY020995.D

Acq: 30 Jan 2025 18:50

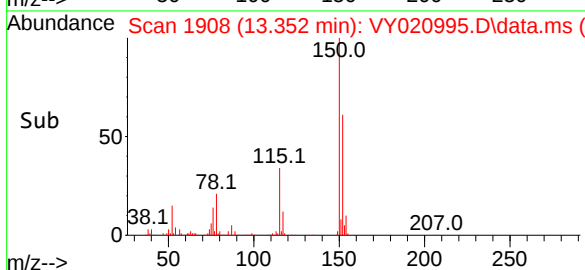
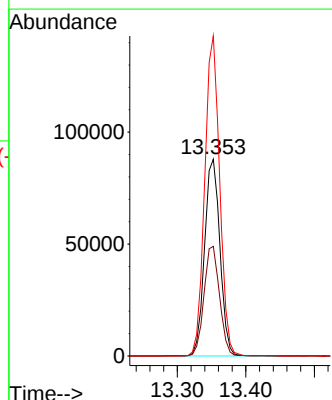
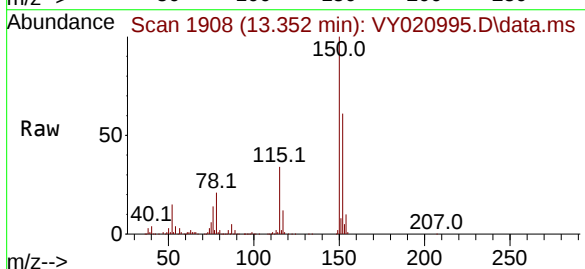
Tgt Ion:152 Resp: 137289

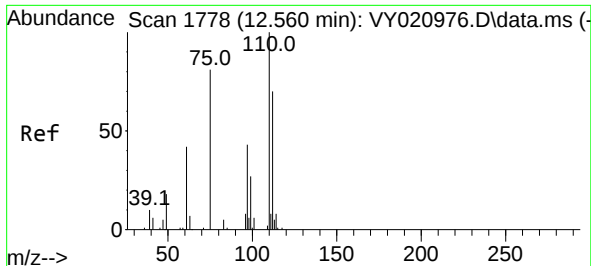
Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

150 158.3 0.0 342.8

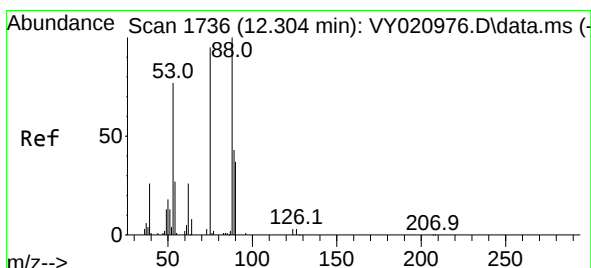
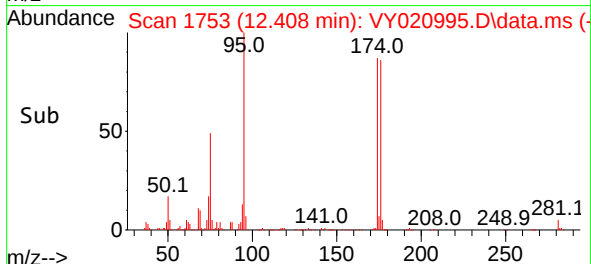
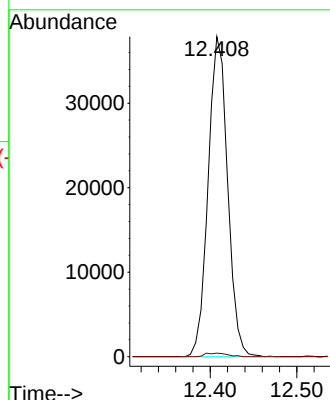
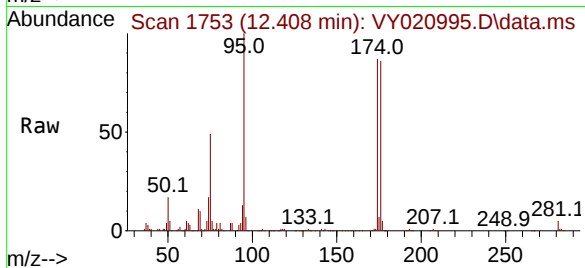




#76
1,2,3-Trichloropropane
Concen: 54.417 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

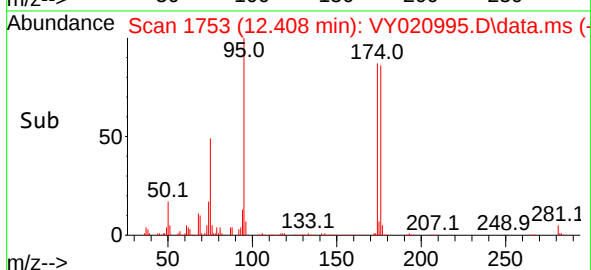
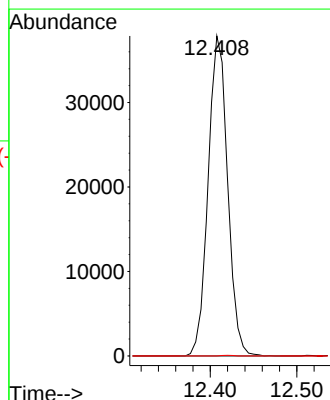
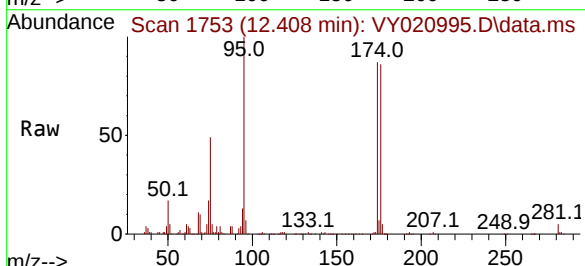
Instrument :
MSVOA_Y
ClientSampleId :

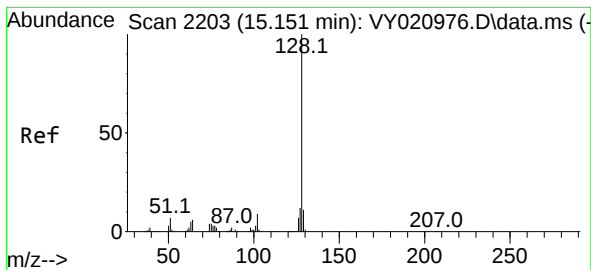
Tgt Ion: 75 Resp: 59141
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.960 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

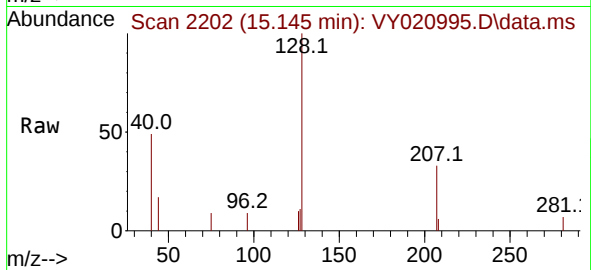
Tgt Ion: 75 Resp: 59141
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.1 38.1 57.1#





#95
Naphthalene
Concen: 4.316 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020995.D
Acq: 30 Jan 2025 18:50

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 1462
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 8.1 8.8 13.2#

