

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020944.D
 Acq On : 27 Jan 2025 13:02
 Operator : SY/MD
 Sample : Q1183-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:12:43 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)

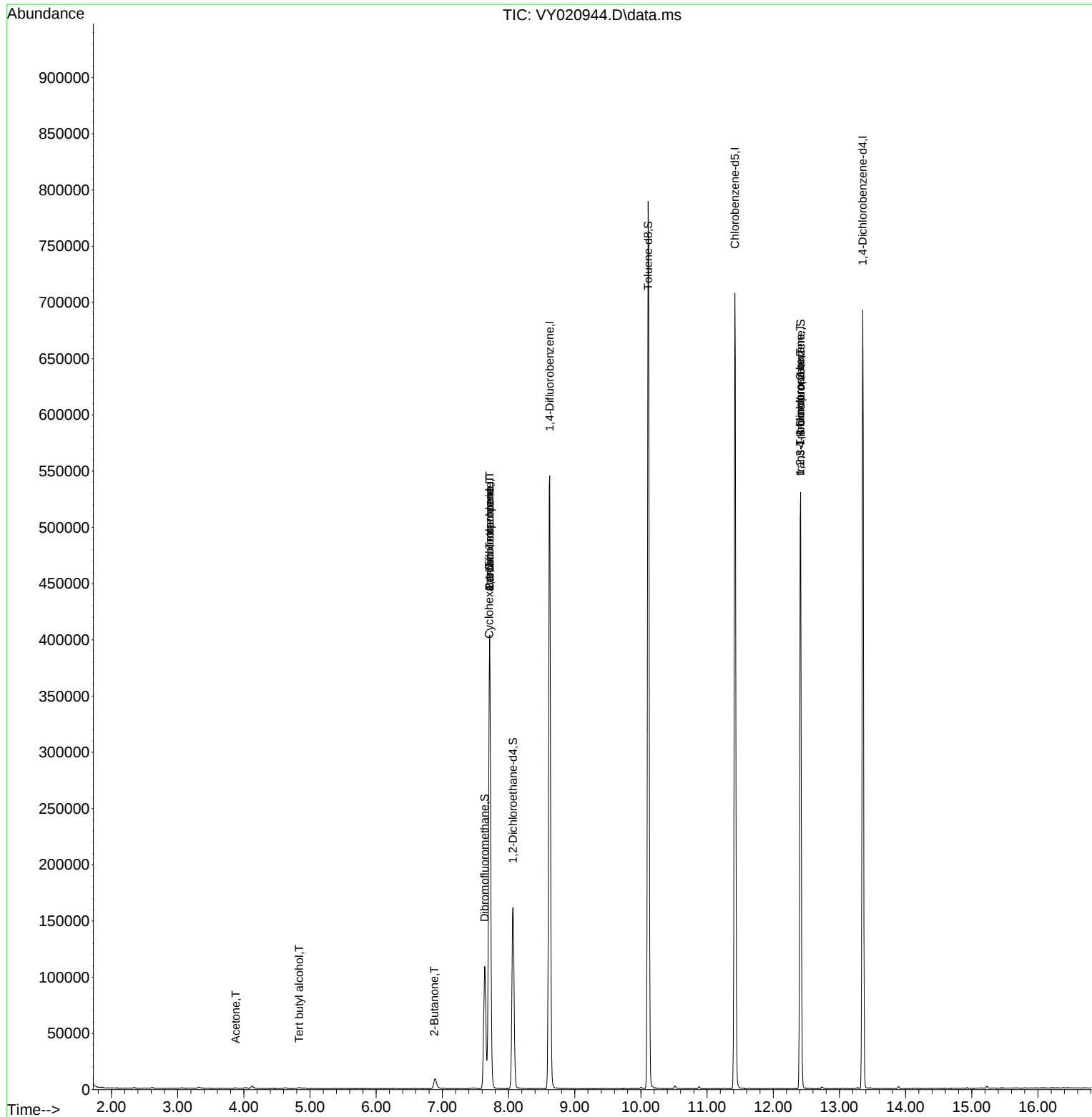
Internal Standards						
1) Pentafluorobenzene	7.713	168	323650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	489803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	401287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	182759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133296	51.656	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 103.320%		
35) Dibromofluoromethane	7.640	113	77312	27.495	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 54.980%		
50) Toluene-d8	10.109	98	535799	49.125	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 98.260%		
62) 4-Bromofluorobenzene	12.414	95	166879	45.974	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 91.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	1029	5.166	ug/l #	74
16) Acetone	3.878	43	1080	3.089	ug/l	97
25) 2-Butanone	6.878	43	608	1.027	ug/l #	42
31) Cyclohexane	7.707	56	5696	1.240	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	22230	5.662	ug/l #	50
38) Carbon Tetrachloride	7.713	117	31017	6.551	ug/l #	15
76) 1,2,3-Trichloropropane	12.407	75	82599	63.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	82599	123.497	ug/l #	15

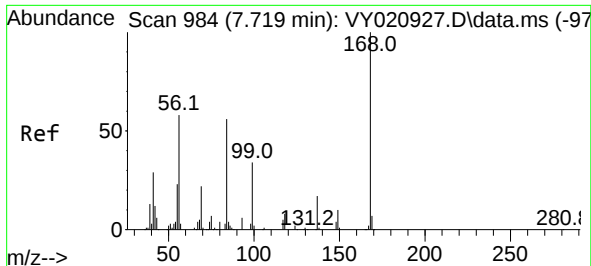
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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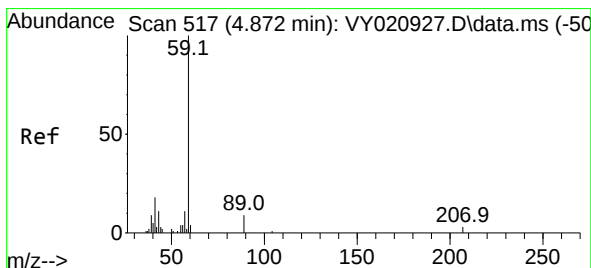
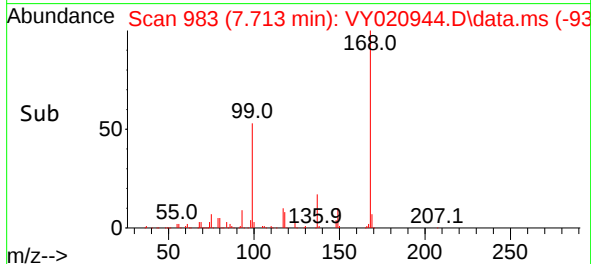
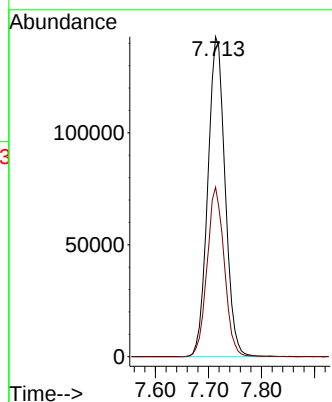
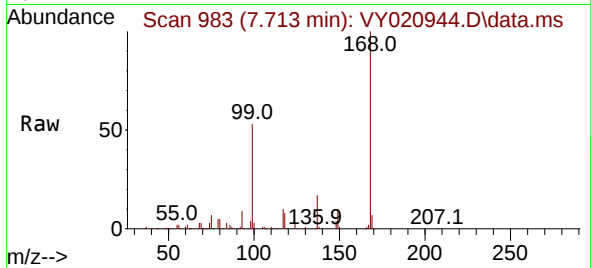




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

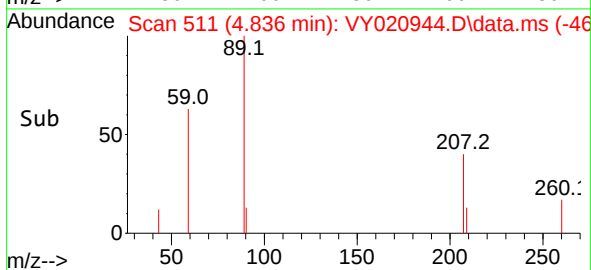
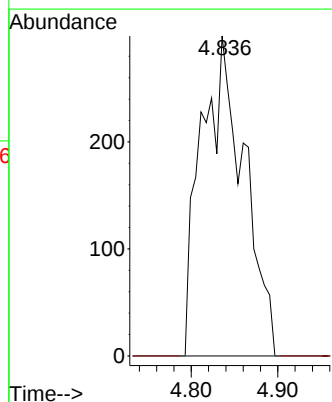
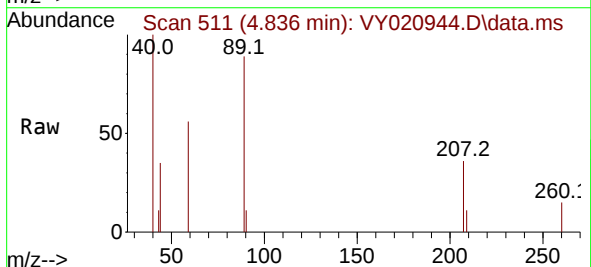
Instrument :
MSVOA_Y
ClientSampleId :

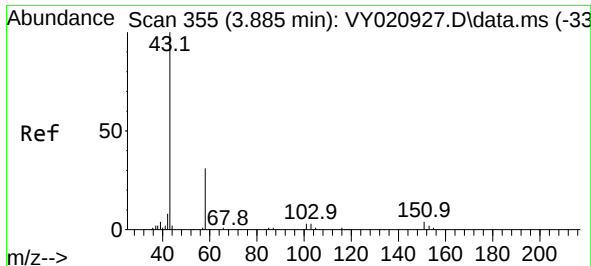
Tgt Ion:168 Resp: 323650
Ion Ratio Lower Upper
168 100
99 52.9 43.0 64.6



#11
Tert butyl alcohol
Concen: 5.166 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.037 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

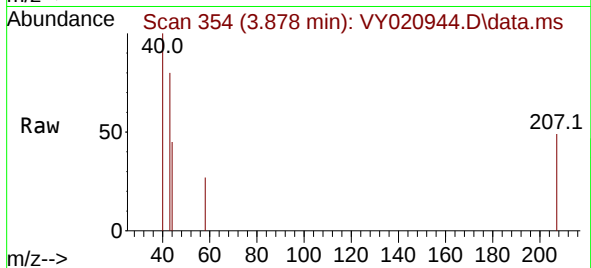
Tgt Ion: 59 Resp: 1029
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



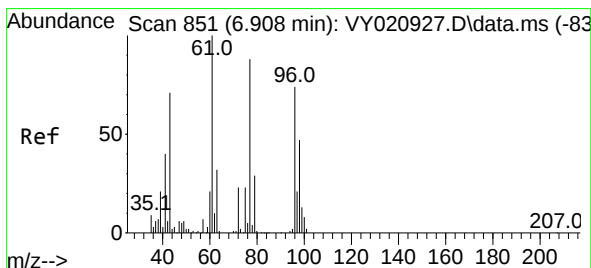
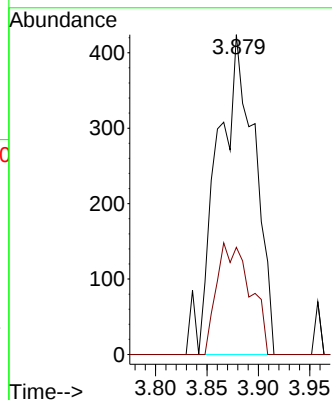
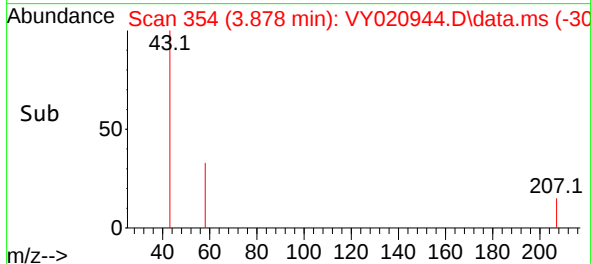


#16
Acetone
Concen: 3.089 ug/l
RT: 3.878 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Instrument :
MSVOA_Y
ClientSampleId :

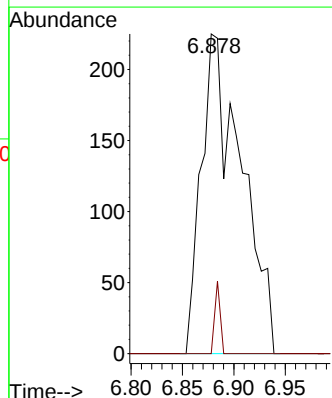
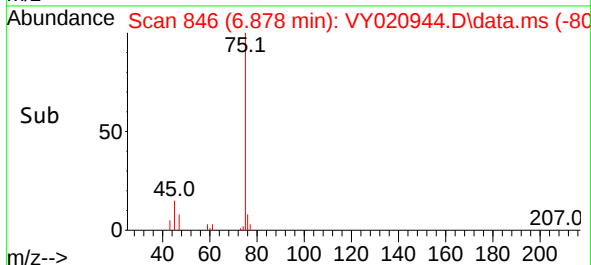
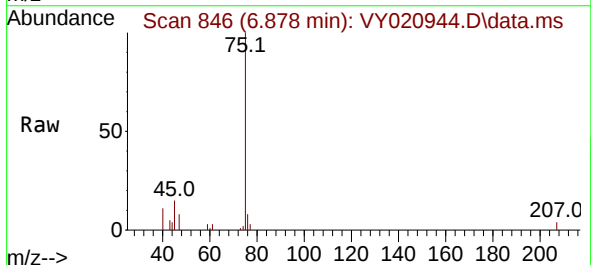


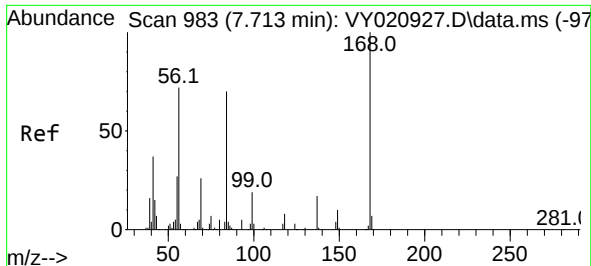
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
58 33.5 25.6 38.4



#25
2-Butanone
Concen: 1.027 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.030 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

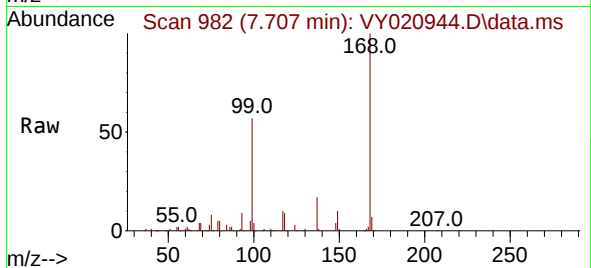
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



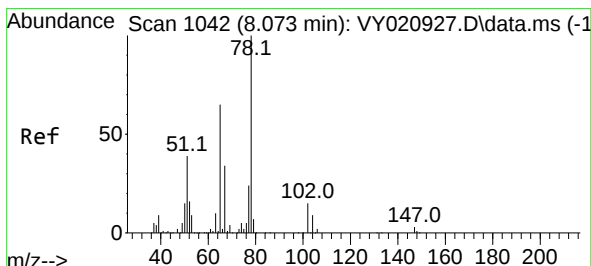
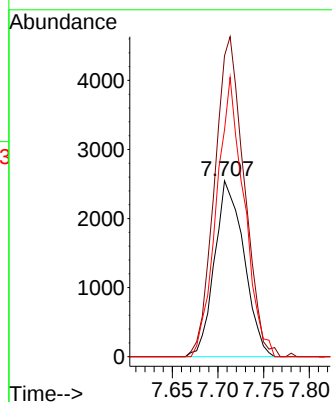
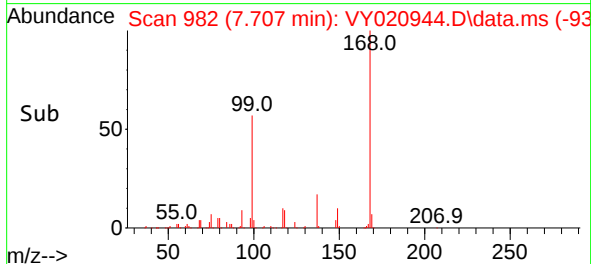


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Instrument :
MSVOA_Y
ClientSampleId :

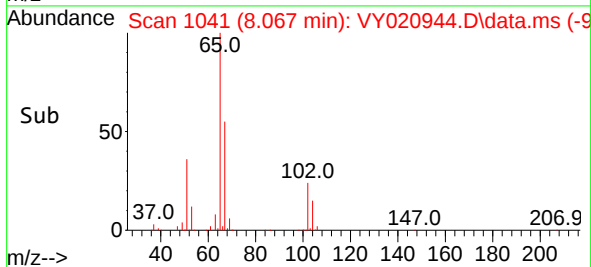
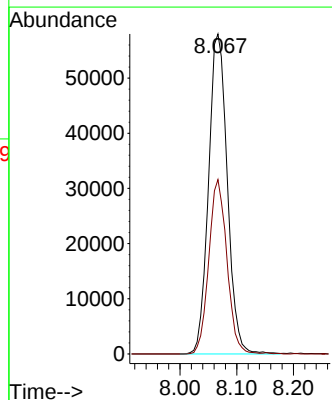
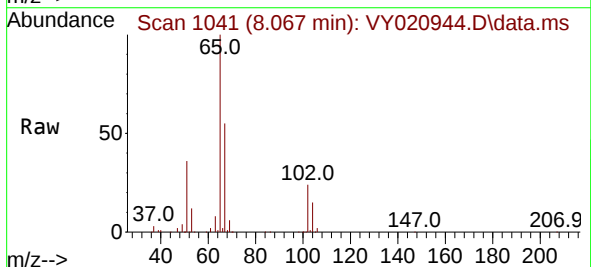


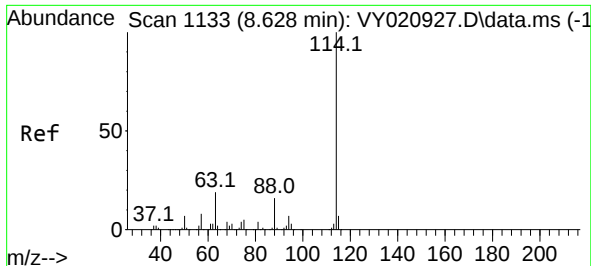
Tgt Ion: 56 Resp: 5696
Ion Ratio Lower Upper
56 100
69 171.1 28.7 43.1#
84 128.9 77.4 116.0#



#33
1,2-Dichloroethane-d4
Concen: 51.656 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Tgt Ion: 65 Resp: 133296
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VY020944.D

Acq: 27 Jan 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

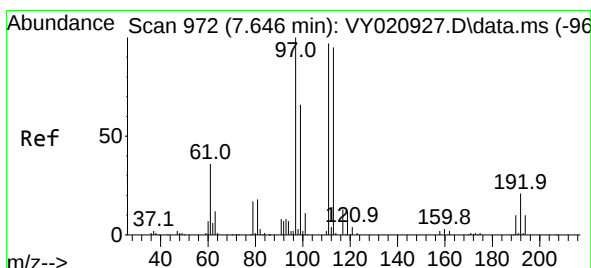
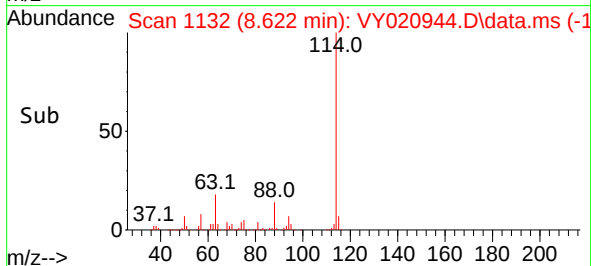
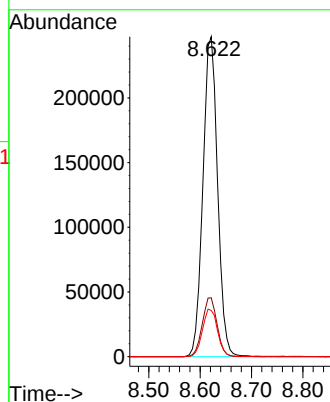
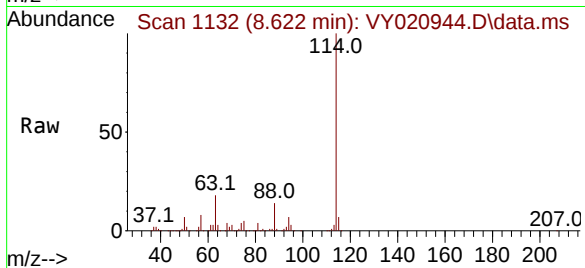
Tgt Ion:114 Resp: 489803

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 27.495 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY020944.D

Acq: 27 Jan 2025 13:02

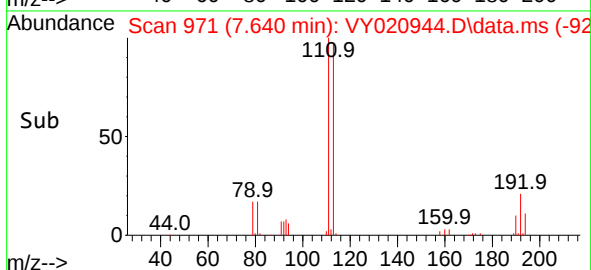
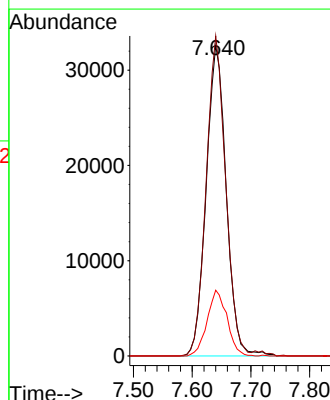
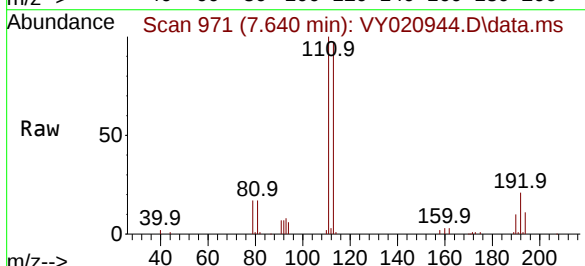
Tgt Ion:113 Resp: 77312

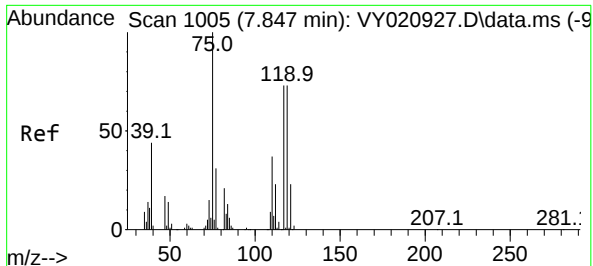
Ion Ratio Lower Upper

113 100

111 100.3 82.3 123.5

192 21.0 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.662 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.134 min

Lab File: VY020944.D

Acq: 27 Jan 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

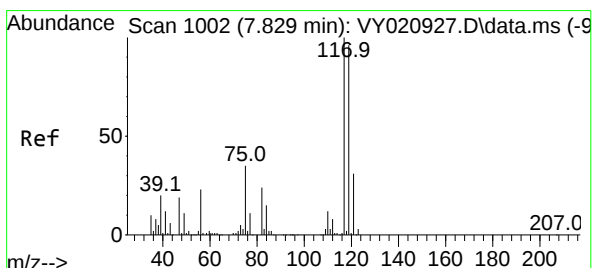
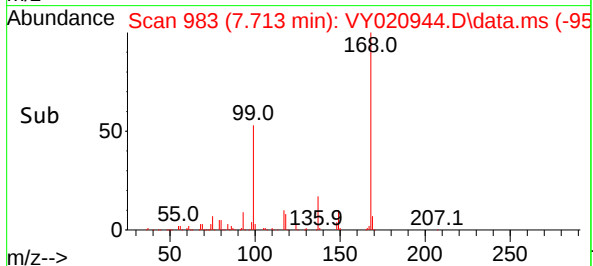
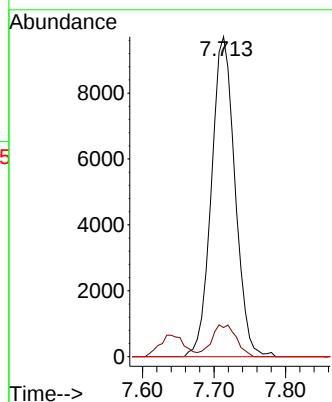
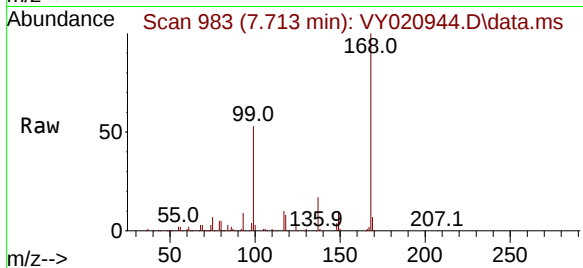
Tgt Ion: 75 Resp: 22230

Ion Ratio Lower Upper

75 100

110 10.4 18.5 55.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY020944.D

Acq: 27 Jan 2025 13:02

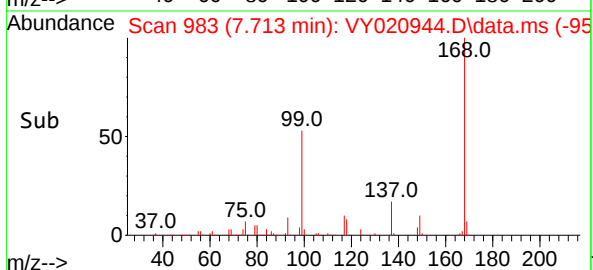
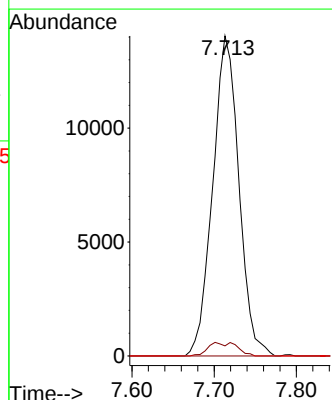
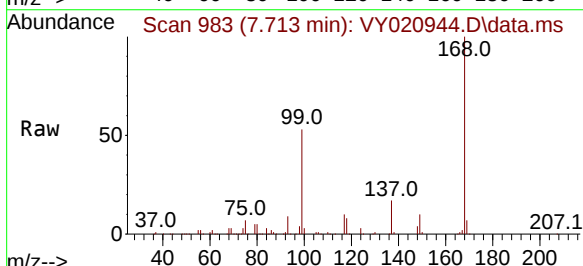
Tgt Ion: 117 Resp: 31017

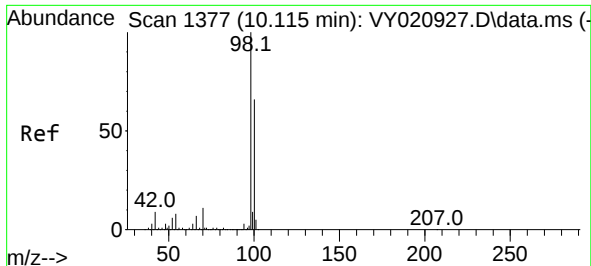
Ion Ratio Lower Upper

117 100

119 3.1 76.5 114.7#

121 0.0 25.0 37.4#

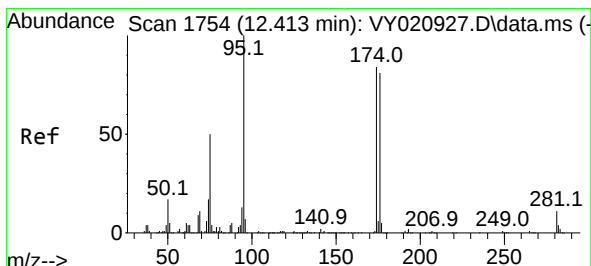
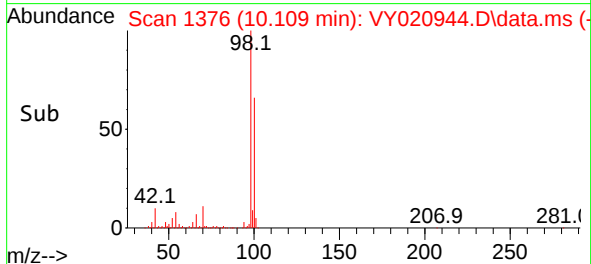
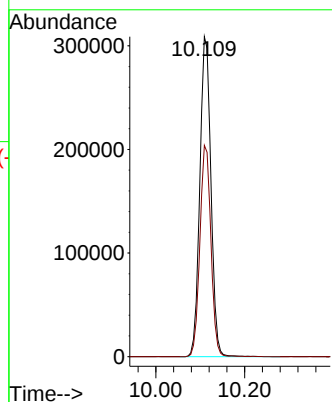
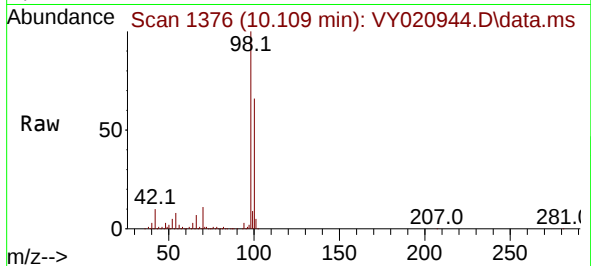




#50
Toluene-d8
Concen: 49.125 ug/l
RT: 10.109 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

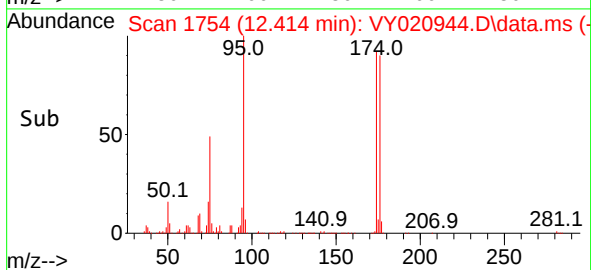
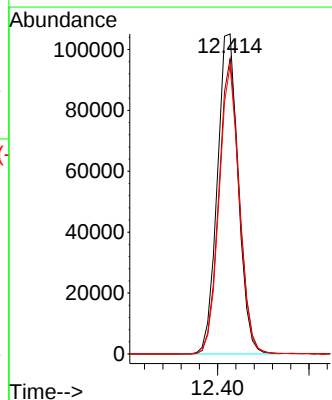
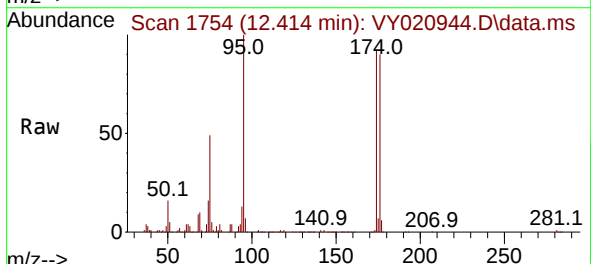
Instrument :
MSVOA_Y
ClientSampleId :

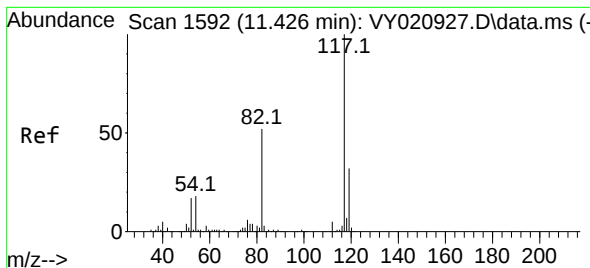
Tgt Ion: 98 Resp: 535799
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.974 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Tgt Ion: 95 Resp: 166879
Ion Ratio Lower Upper
95 100
174 90.7 0.0 177.4
176 87.1 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: VY020944.D

Acq: 27 Jan 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

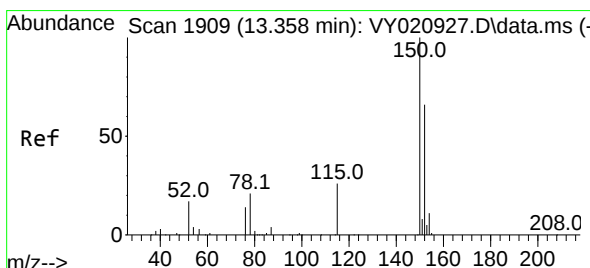
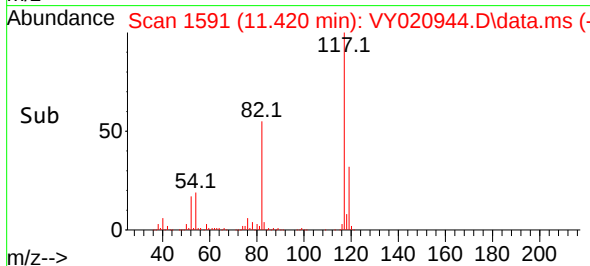
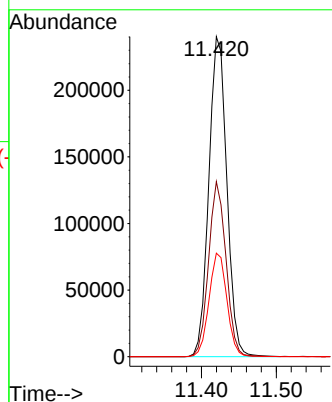
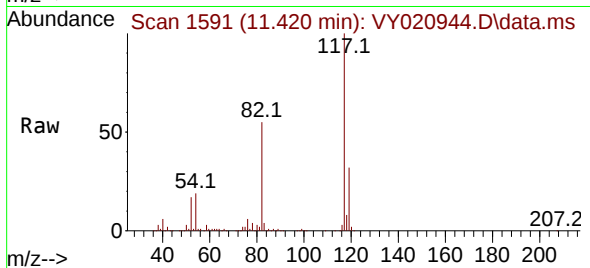
Tgt Ion:117 Resp: 401287

Ion Ratio Lower Upper

117 100

82 54.7 41.8 62.8

119 32.3 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: VY020944.D

Acq: 27 Jan 2025 13:02

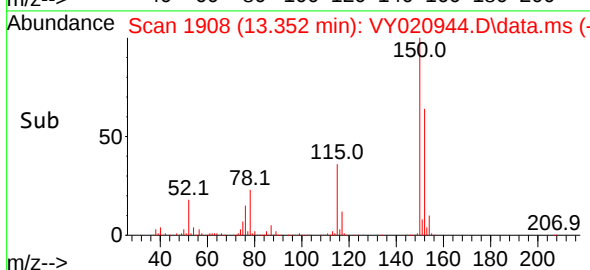
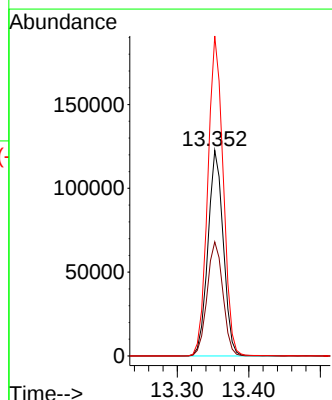
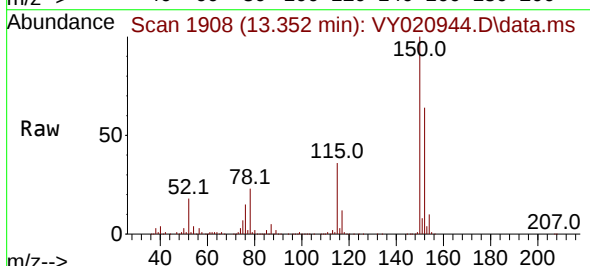
Tgt Ion:152 Resp: 182759

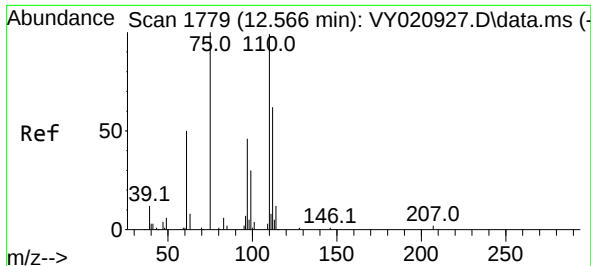
Ion Ratio Lower Upper

152 100

115 57.1 29.0 87.0

150 156.5 0.0 347.6

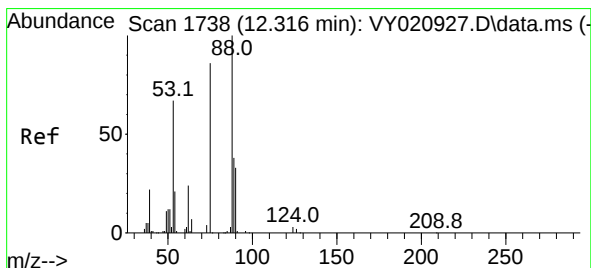
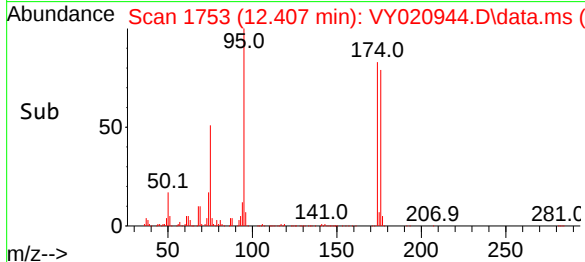
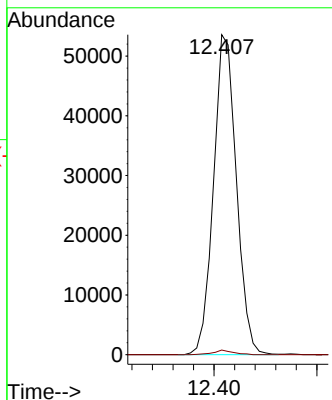
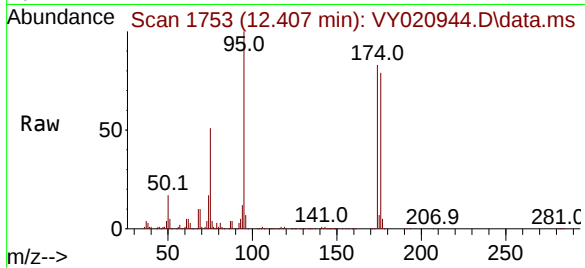




#76
1,2,3-Trichloropropane
Concen: 63.922 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.158 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 82599
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.497 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.092 min
Lab File: VY020944.D
Acq: 27 Jan 2025 13:02

Tgt Ion: 75 Resp: 82599
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 38.4 57.6#

