

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020849.D
 Acq On : 17 Jan 2025 12:49
 Operator : SY/MD
 Sample : Q1103-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:24:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

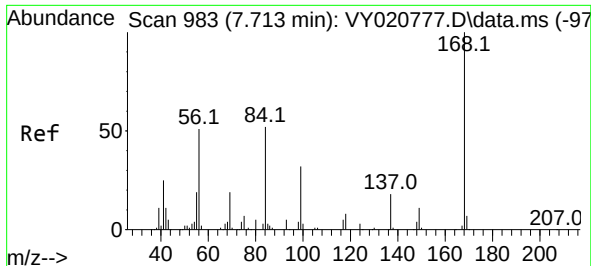
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	36906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	68637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	68384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	26838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	30909	98.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 197.060%#	
35) Dibromofluoromethane	7.640	113	27462	63.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.720%	
50) Toluene-d8	10.109	98	81740	54.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.060%	
62) 4-Bromofluorobenzene	12.414	95	28931	52.264	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 104.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.629	94	205	1.815	ug/l #	4
10) Methyl Iodide	4.019	142	585	1.661	ug/l #	84
11) Tert butyl alcohol	4.854	59	134	5.653	ug/l #	73
16) Acetone	3.872	43	779	17.464	ug/l	98
25) 2-Butanone	6.884	43	293	3.999	ug/l #	45
26) 2,2-Dichloropropane	6.878	77	800	1.320	ug/l #	53
31) Cyclohexane	7.713	56	578	1.266	ug/l #	23
36) 1,1-Dichloropropene	7.713	75	2452	4.471	ug/l #	45
37) Ethyl Acetate	6.884	43	293	1.342	ug/l #	14
38) Carbon Tetrachloride	7.713	117	3510	4.597	ug/l #	15
51) 4-Methyl-2-Pentanone	9.999	43	527	2.376	ug/l #	48
76) 1,2,3-Trichloropropane	12.414	75	14392	61.288	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	14392	129.227	ug/l #	14

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

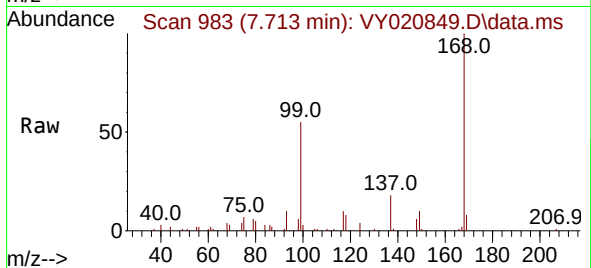
Quant Time: Jan 17 23:24:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration



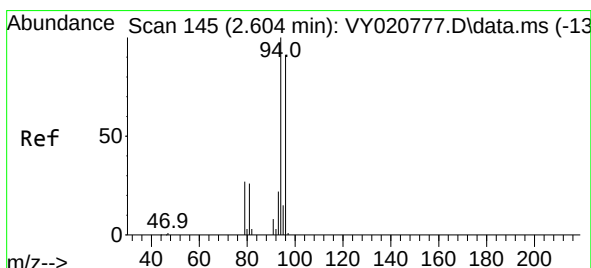
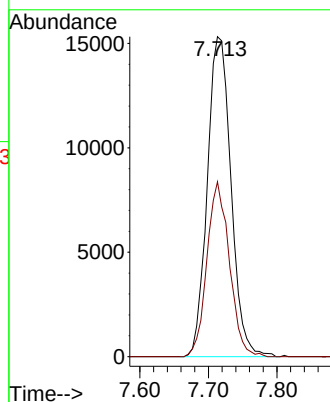
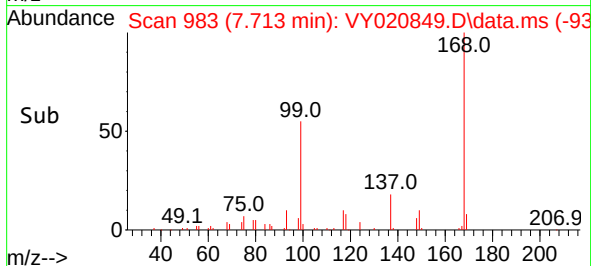


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :

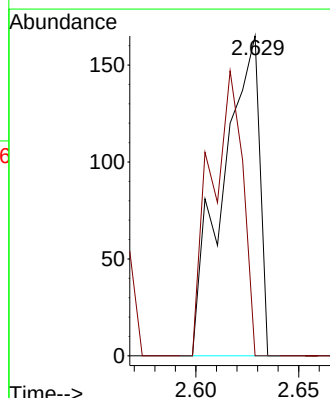
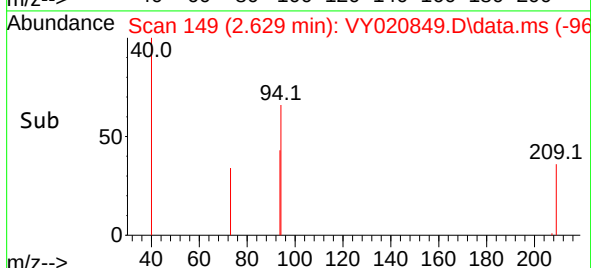
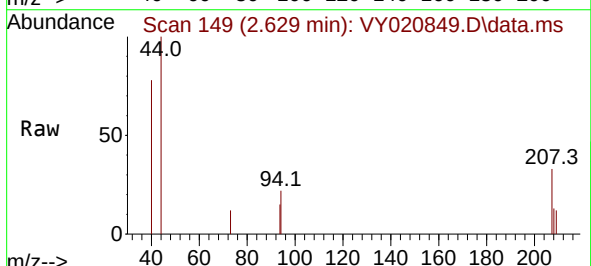


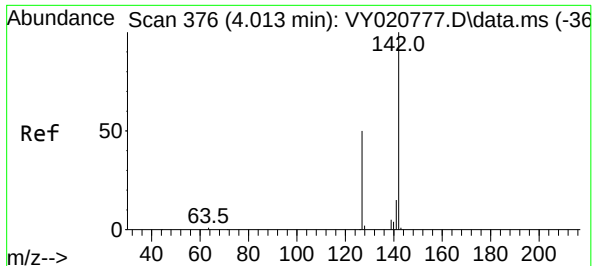
Tgt Ion:168 Resp: 36906
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#5
Bromomethane
Concen: 1.815 ug/l
RT: 2.629 min Scan# 149
Delta R.T. 0.024 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

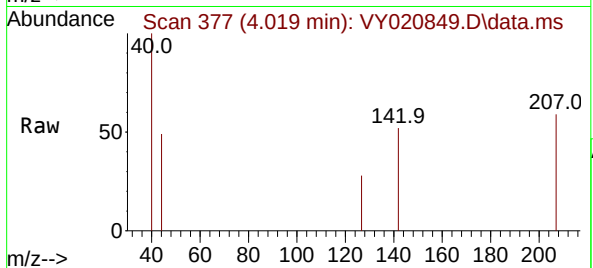
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 0.0 72.6 109.0#



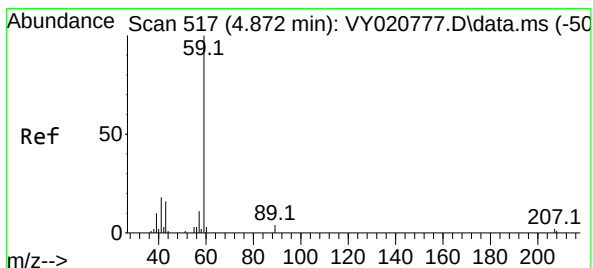
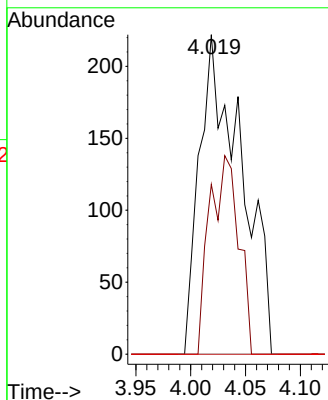
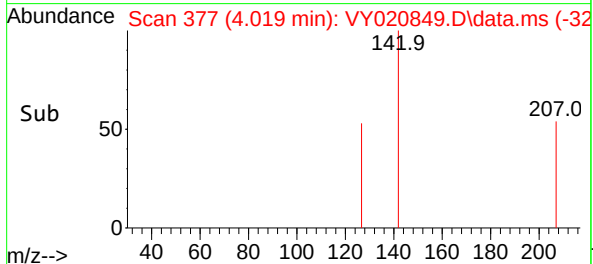


#10
Methyl Iodide
Concen: 1.661 ug/l
RT: 4.019 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :

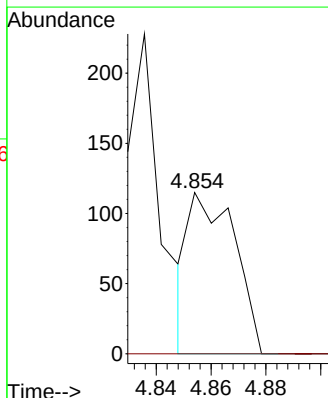
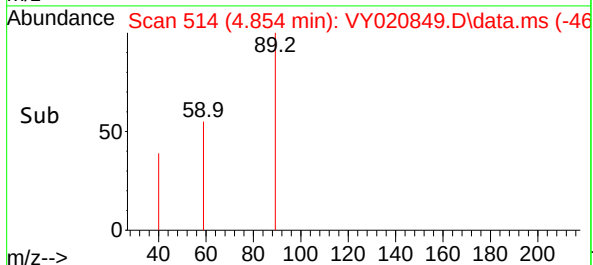
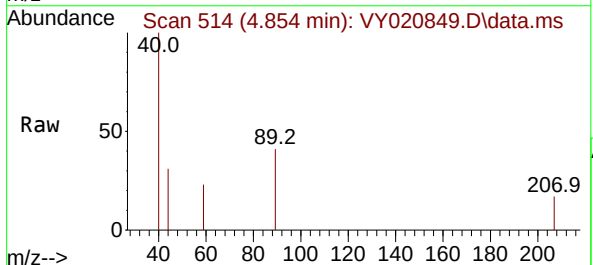


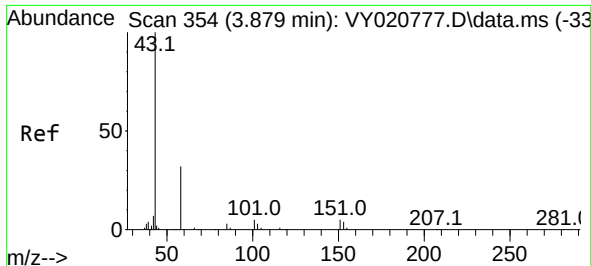
Tgt Ion:142 Resp: 585
Ion Ratio Lower Upper
142 100
127 43.6 41.0 61.6
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.653 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

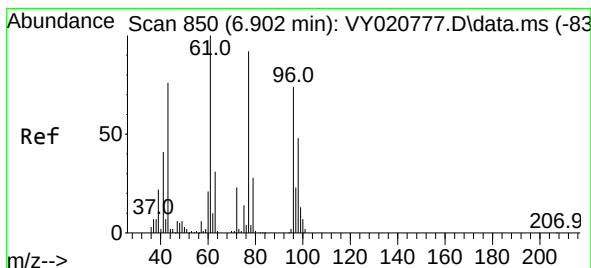
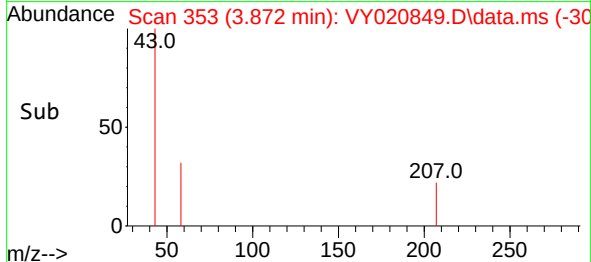
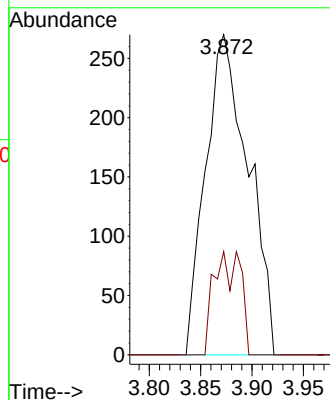
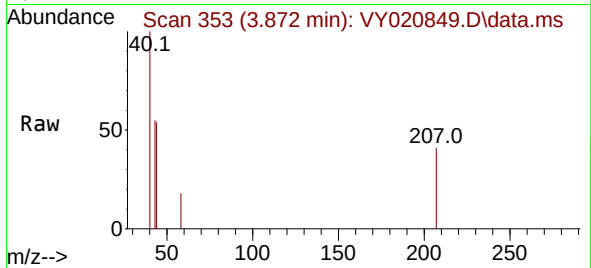




#16
Acetone
Concen: 17.464 ug/l
RT: 3.872 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

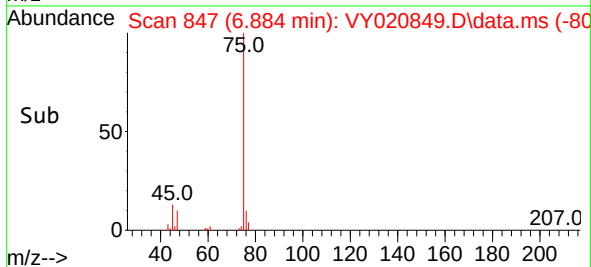
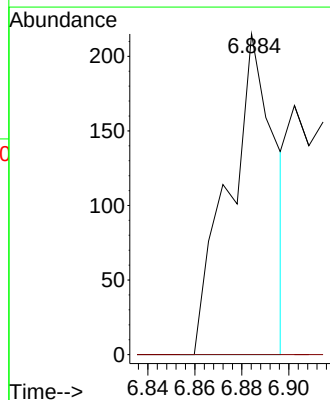
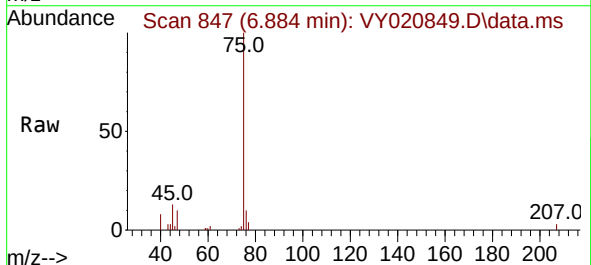
Instrument :
MSVOA_Y
ClientSampleId :

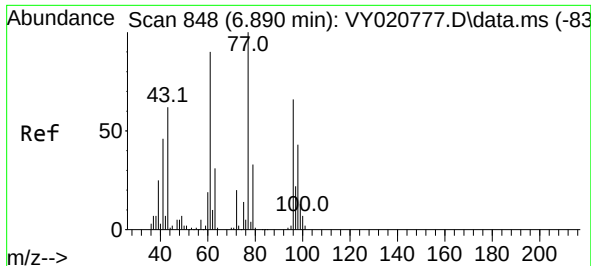
Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 32.2 26.7 40.1



#25
2-Butanone
Concen: 3.999 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.018 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#





#26

2,2-Dichloropropane

Concen: 1.320 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.012 min

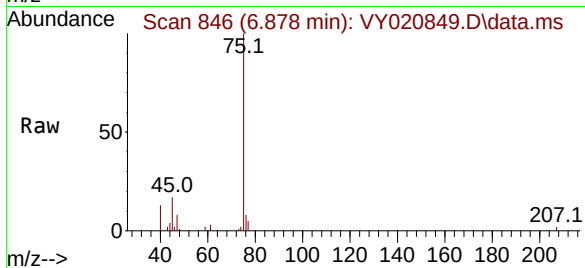
Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

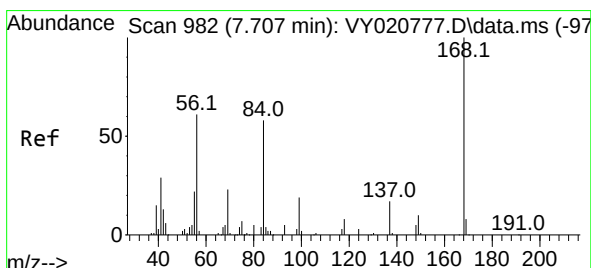
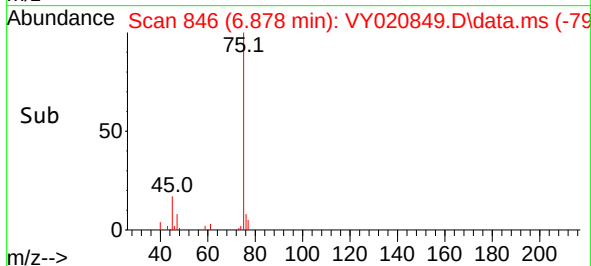
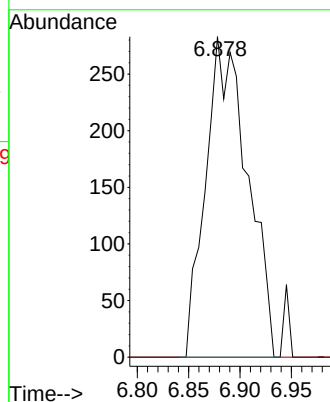


Tgt Ion: 77 Resp: 800

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.8#



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

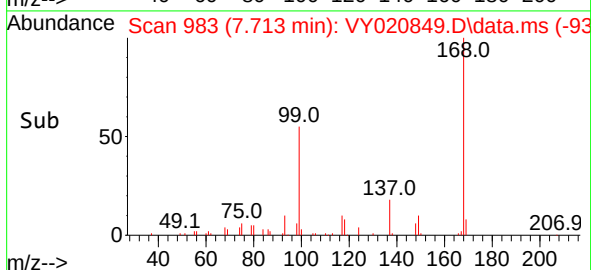
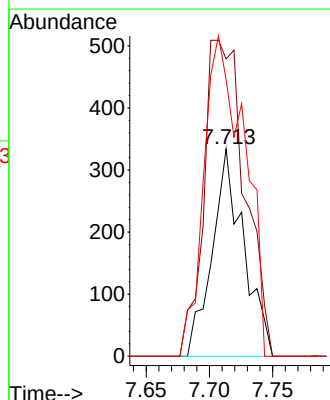
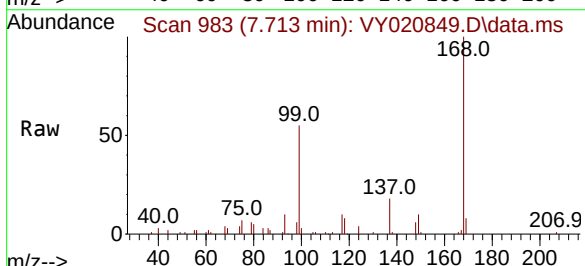
Tgt Ion: 56 Resp: 578

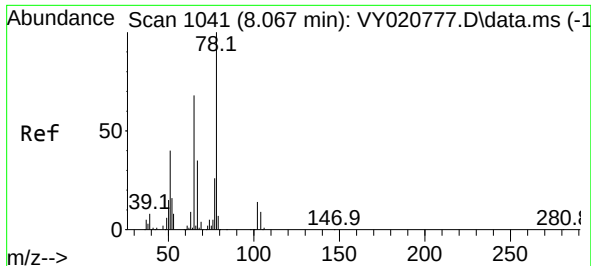
Ion Ratio Lower Upper

56 100

69 143.4 30.5 45.7#

84 133.5 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 98.534 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Instrument :

MSVOA_Y

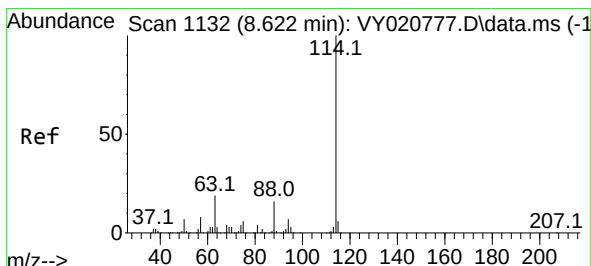
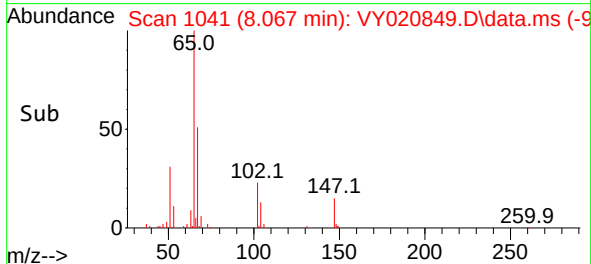
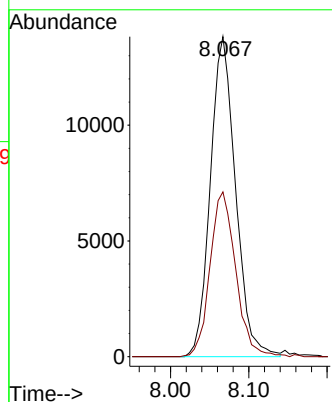
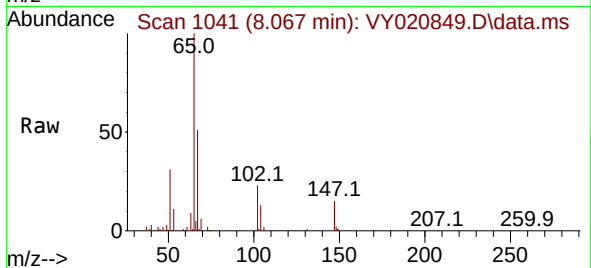
ClientSampleId :

Tgt Ion: 65 Resp: 30909

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

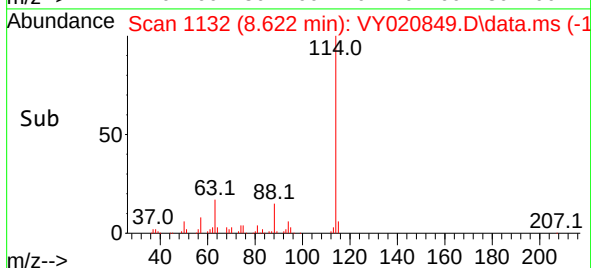
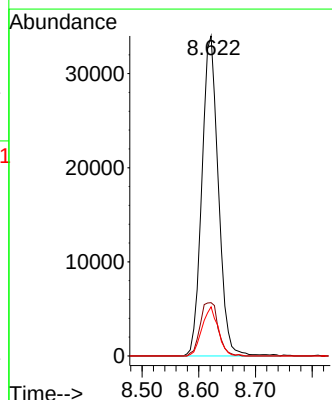
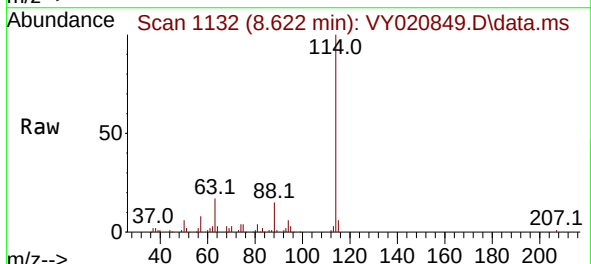
Tgt Ion: 114 Resp: 68637

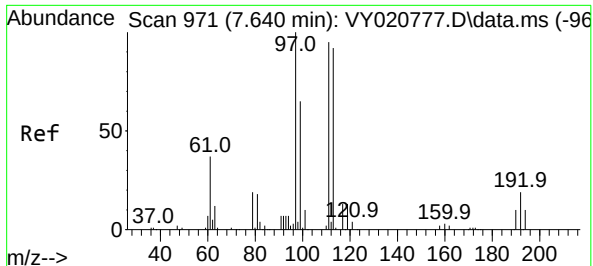
Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

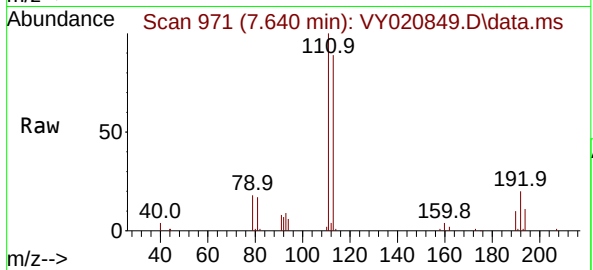
88 15.4 0.0 31.2



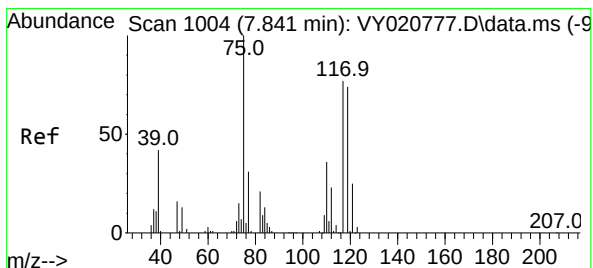
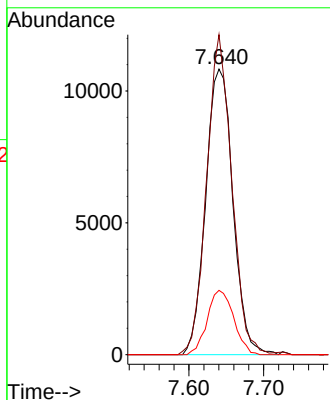
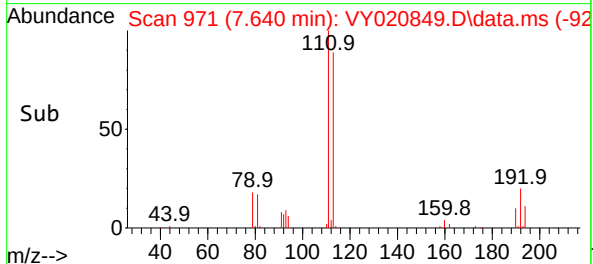


#35
Dibromofluoromethane
Concen: 63.864 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

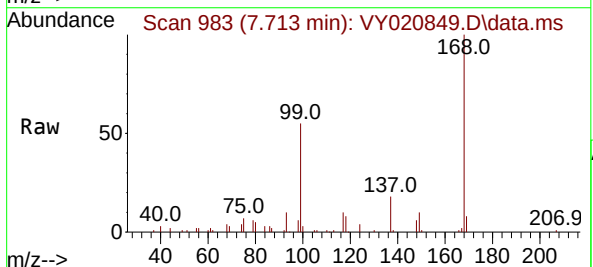
Instrument :
MSVOA_Y
ClientSampleId :



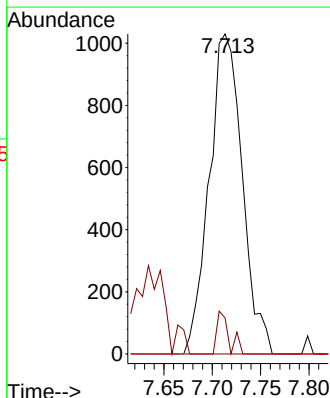
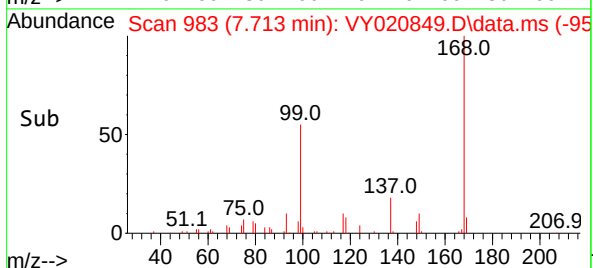
Tgt Ion:113 Resp: 27462
Ion Ratio Lower Upper
113 100
111 103.2 81.7 122.5
192 21.8 16.7 25.1

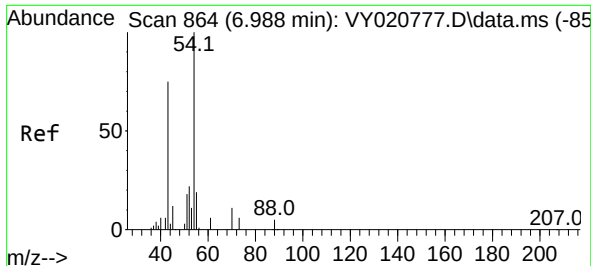


#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49



Tgt Ion: 75 Resp: 2452
Ion Ratio Lower Upper
75 100
110 4.8 18.5 55.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.342 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.104 min

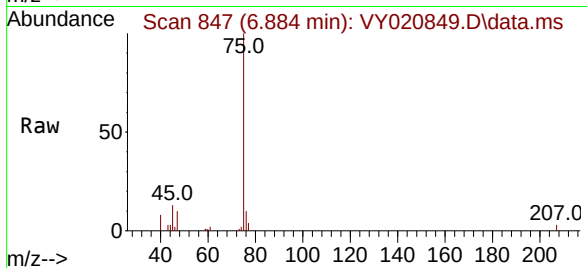
Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :



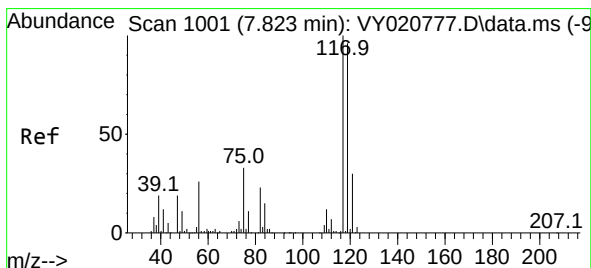
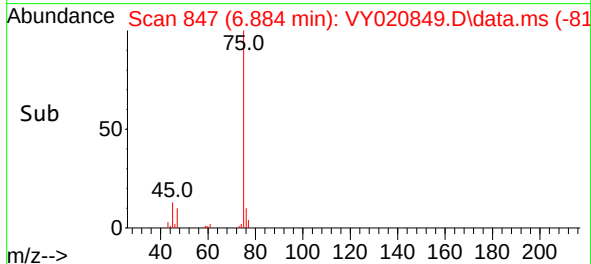
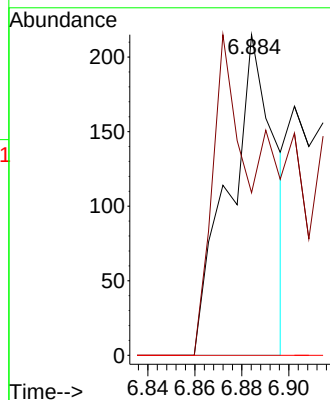
Tgt Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

61 68.9 11.8 17.6#

70 0.0 9.8 14.8#



#38

Carbon Tetrachloride

Concen: 4.597 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY020849.D

Acq: 17 Jan 2025 12:49

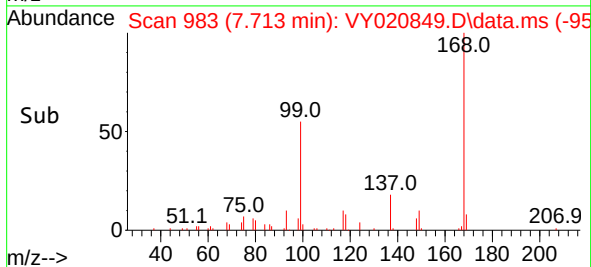
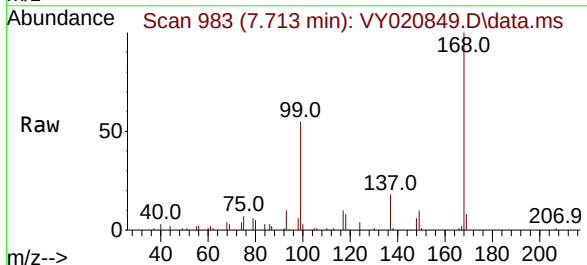
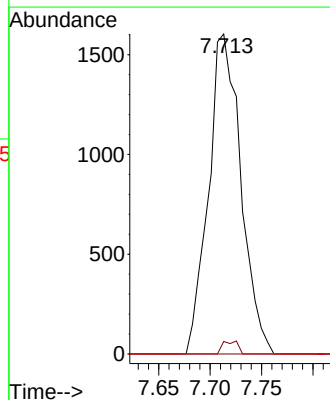
Tgt Ion: 117 Resp: 3510

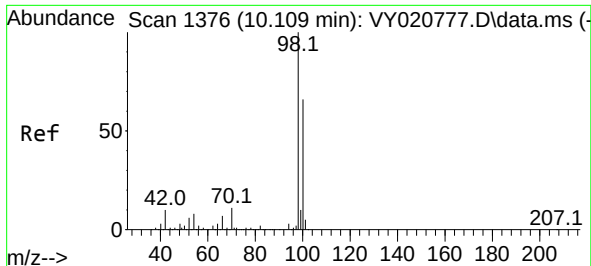
Ion Ratio Lower Upper

117 100

119 3.9 76.5 114.7#

121 0.0 24.3 36.5#

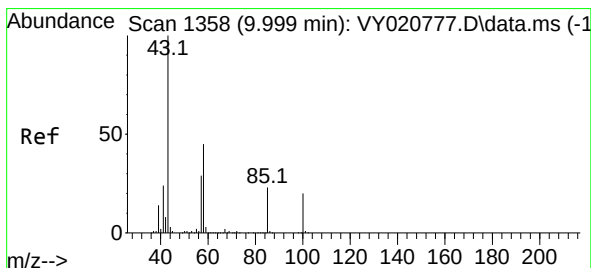
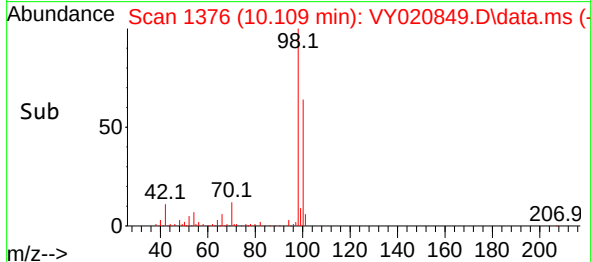
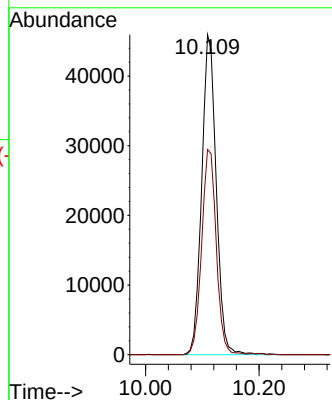
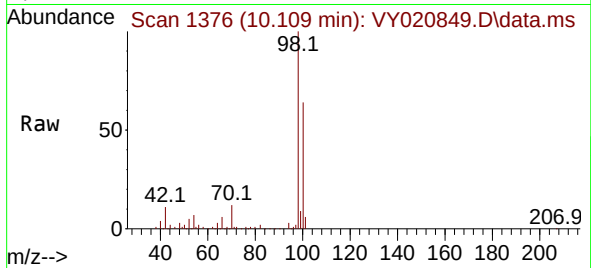




#50
Toluene-d8
Concen: 54.530 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

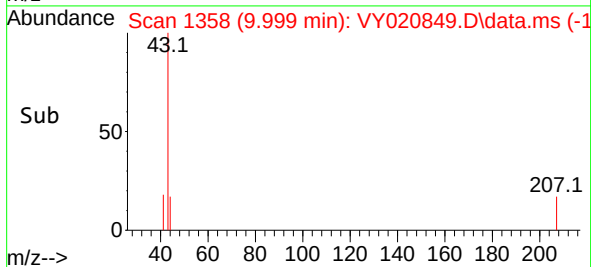
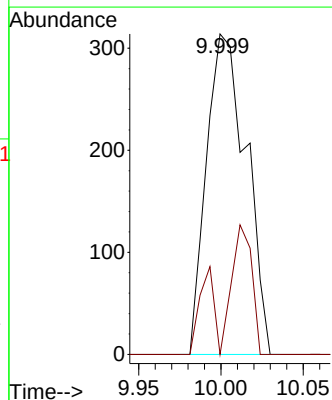
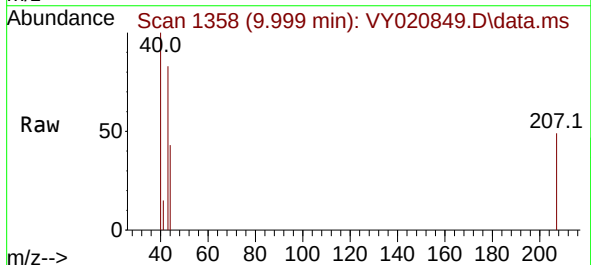
Instrument :
MSVOA_Y
ClientSampleId :

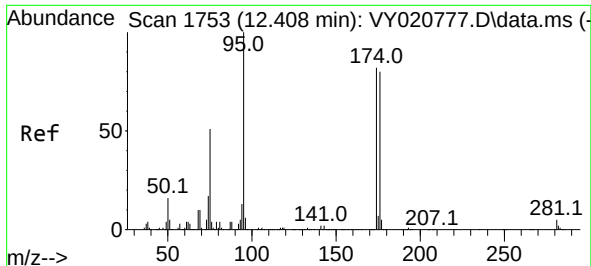
Tgt Ion: 98 Resp: 81740
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.376 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 10.1 34.8 52.2#

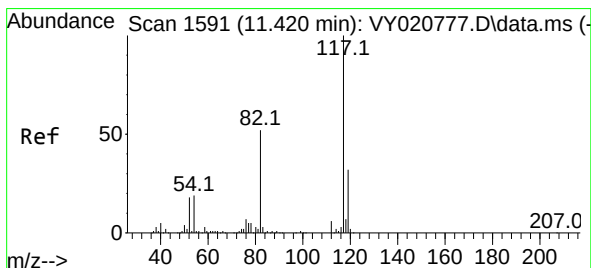
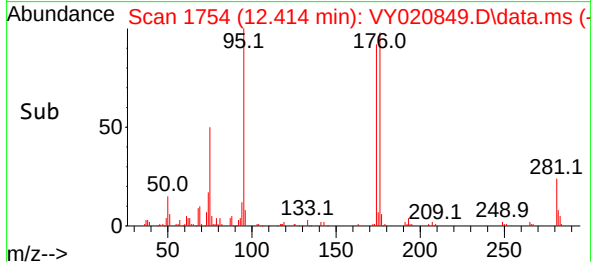
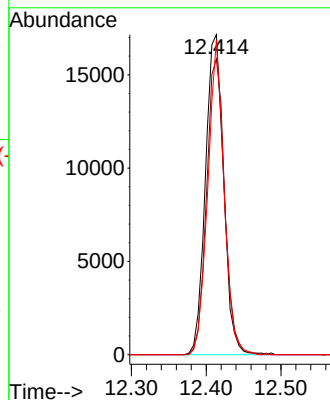
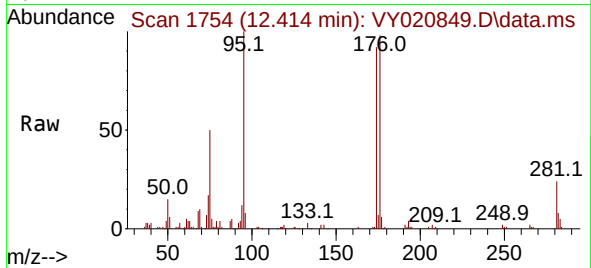




#62
4-Bromofluorobenzene
Concen: 52.264 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

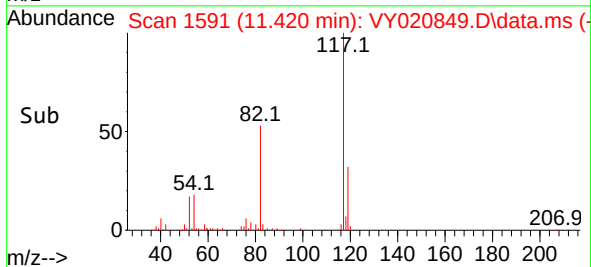
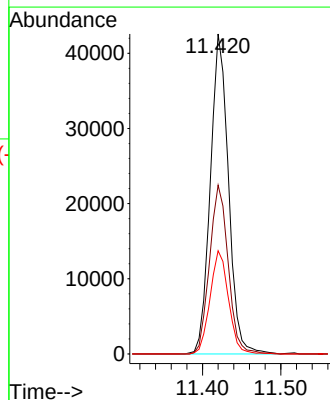
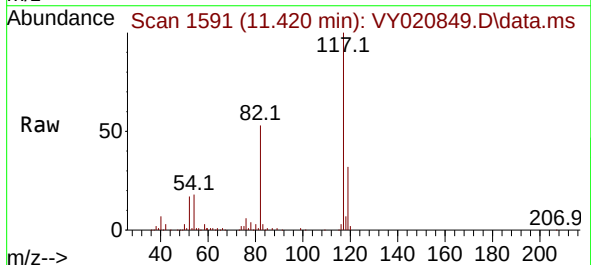
Instrument :
MSVOA_Y
ClientSampleId :

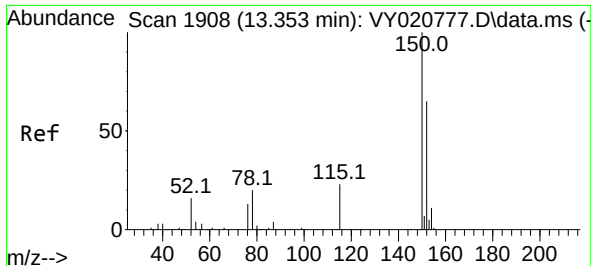
Tgt Ion: 95 Resp: 28931
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.0
176 88.2 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

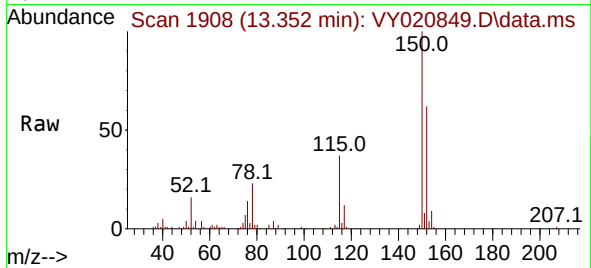
Tgt Ion: 117 Resp: 68384
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.6
119 32.3 25.8 38.8



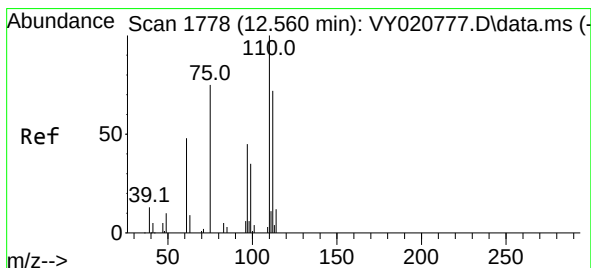
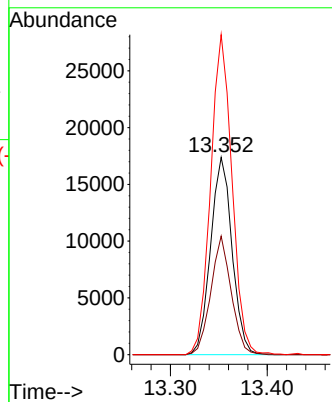
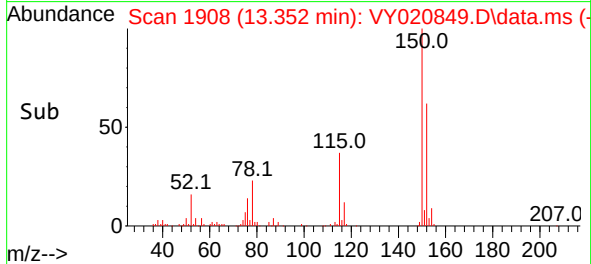


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY020849.D
 Acq: 17 Jan 2025 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :

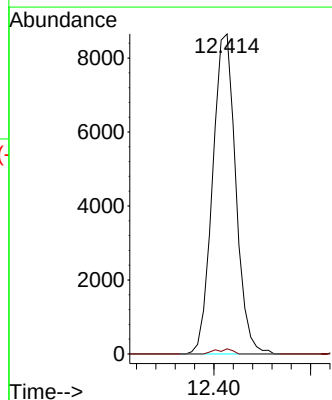
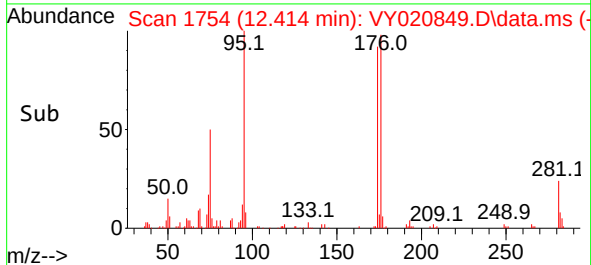
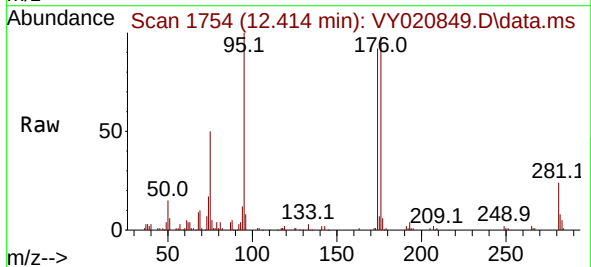


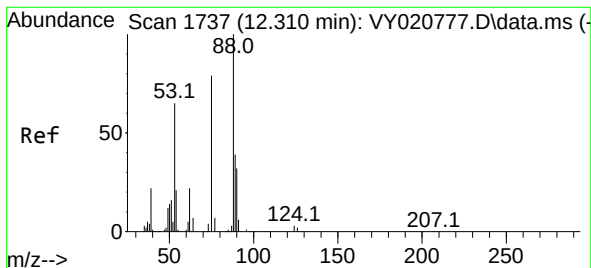
Tgt Ion:152 Resp: 26838
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.0 87.0
 150 161.1 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 61.288 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY020849.D
 Acq: 17 Jan 2025 12:49

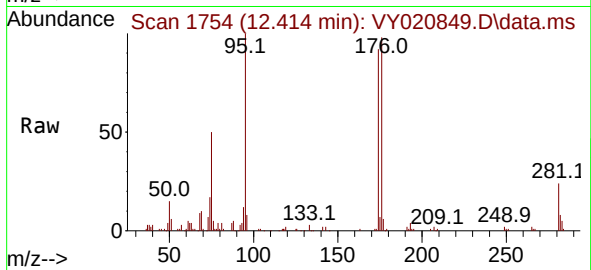
Tgt Ion: 75 Resp: 14392
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 129.227 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020849.D
Acq: 17 Jan 2025 12:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	14392
Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.4	104.0#
89	0.6	39.6	59.4#

