

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020949.D
 Acq On : 27 Jan 2025 15:32
 Operator : SY/MD
 Sample : Q1194-04
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:14:28 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)

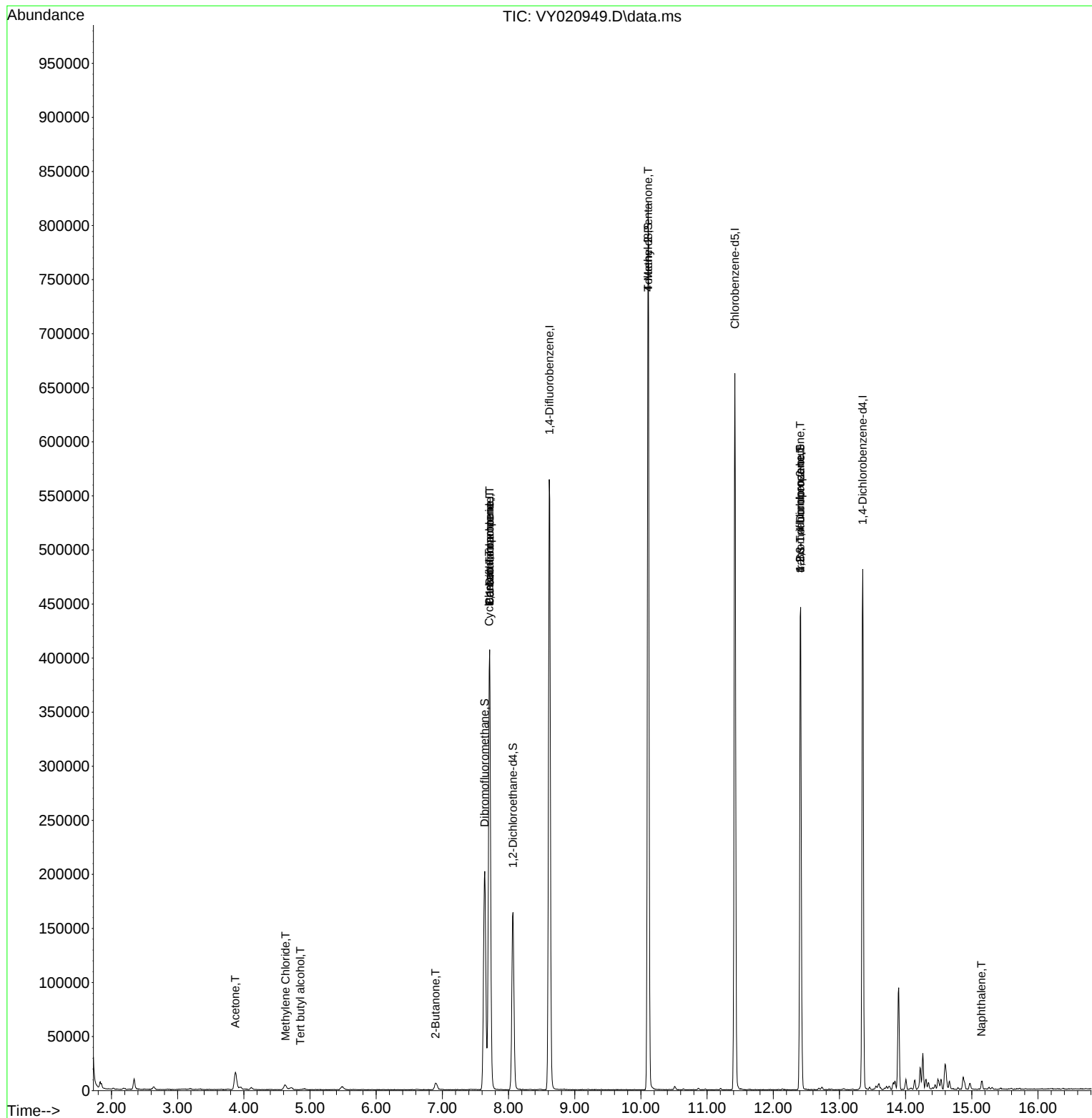
Internal Standards						
1) Pentafluorobenzene	7.713	168	331503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	506966	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	369514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	129163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	132803	50.245	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.500%	
35) Dibromofluoromethane	7.640	113	147366	50.634	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.109	98	537405	47.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.200%	
62) 4-Bromofluorobenzene	12.408	95	137464	36.588	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 73.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	349	1.710	ug/l #	74
16) Acetone	3.873	43	28315	79.068	ug/l	96
20) Methylene Chloride	4.629	84	3453	1.297	ug/l	91
25) 2-Butanone	6.896	43	10509	17.324	ug/l	92
31) Cyclohexane	7.707	56	5588	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	23039	5.670	ug/l #	49
38) Carbon Tetrachloride	7.713	117	32190	6.569	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2208	1.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	67941	74.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	67941	143.733	ug/l #	15
95) Naphthalene	15.145	128	6587	1.974	ug/l	98

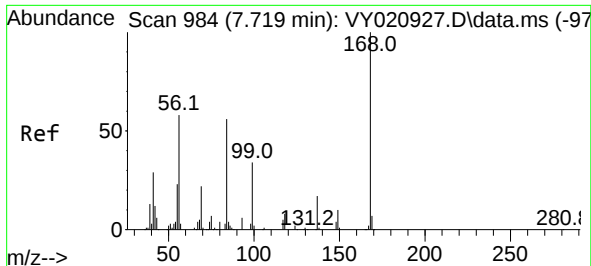
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

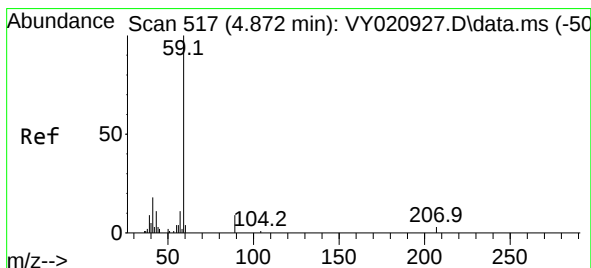
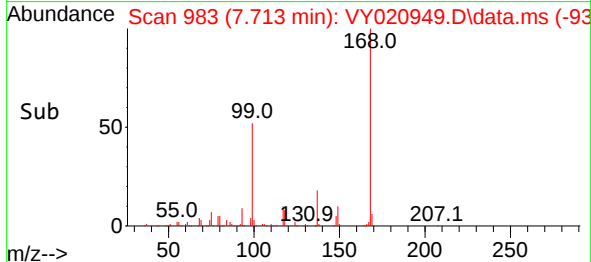
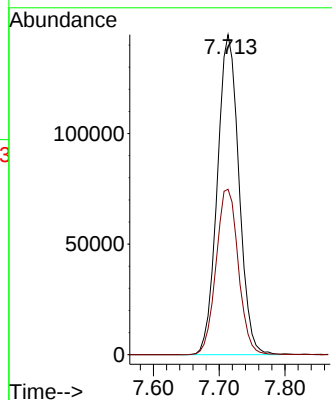
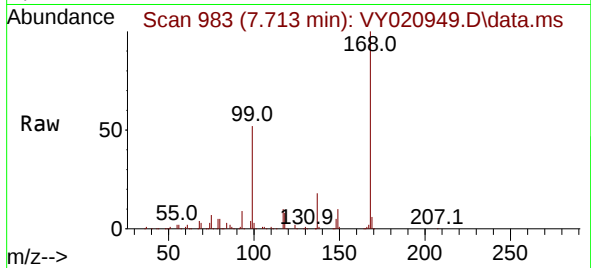




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

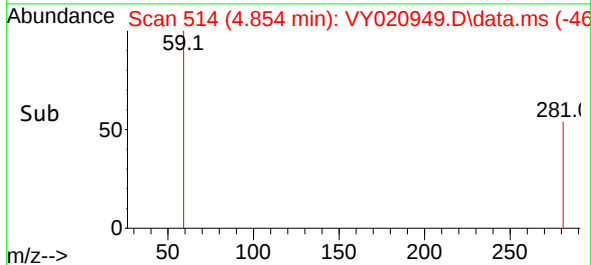
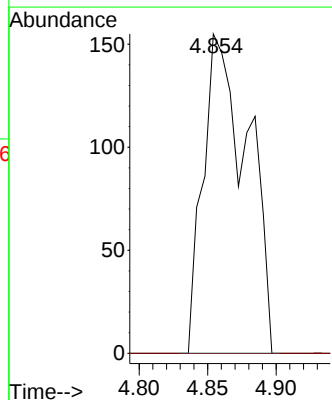
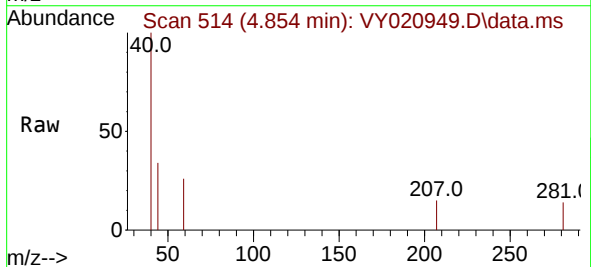
Instrument :
MSVOA_Y
ClientSampleId :

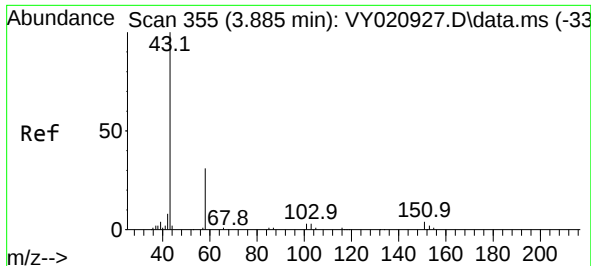
Tgt Ion:168 Resp: 331503
Ion Ratio Lower Upper
168 100
99 51.7 43.0 64.6



#11
Tert butyl alcohol
Concen: 1.710 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

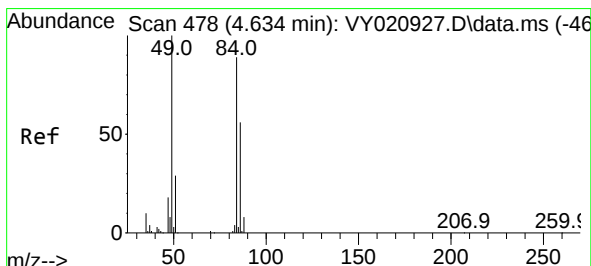
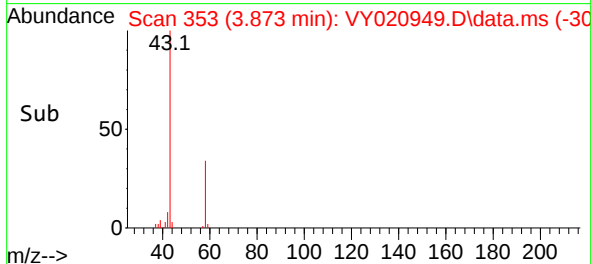
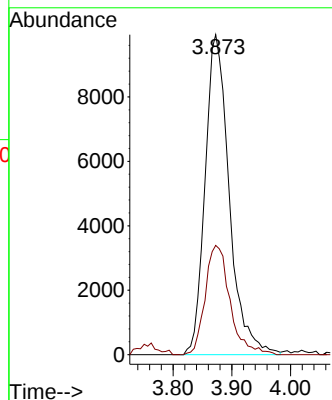
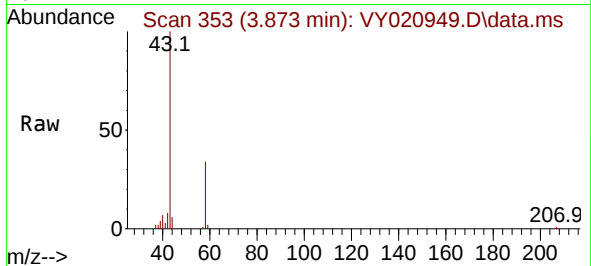




#16
Acetone
Concen: 79.068 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

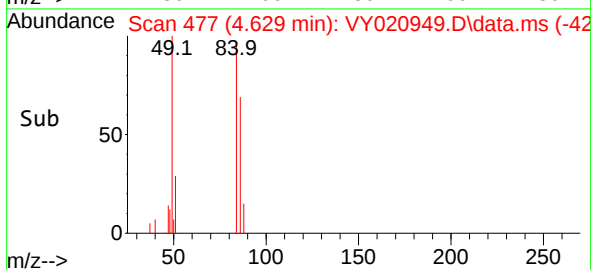
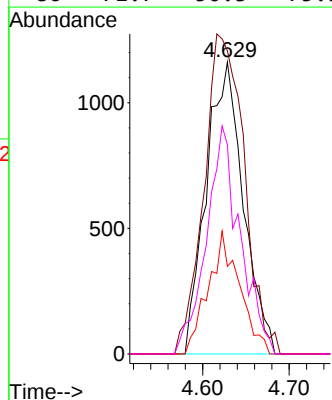
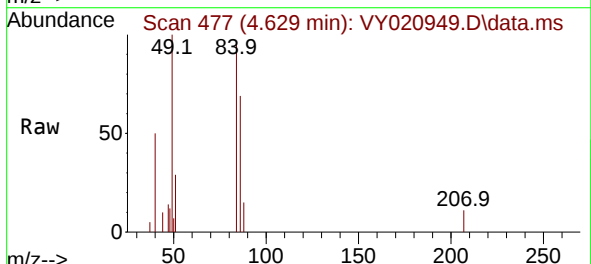
Instrument :
MSVOA_Y
ClientSampleId :

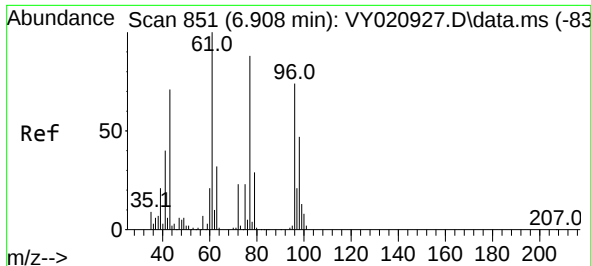
Tgt Ion: 43 Resp: 28315
Ion Ratio Lower Upper
43 100
58 34.1 25.6 38.4



#20
Methylene Chloride
Concen: 1.297 ug/l
RT: 4.629 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

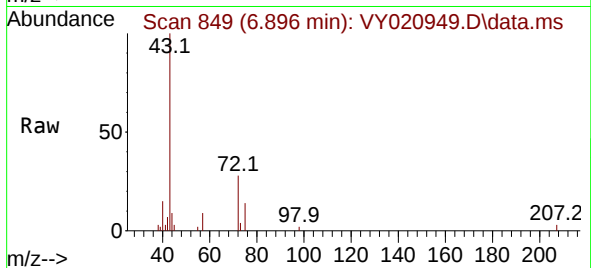
Tgt Ion: 84 Resp: 3453
Ion Ratio Lower Upper
84 100
49 104.0 90.3 135.5
51 30.0 26.6 39.8
86 71.7 50.3 75.5



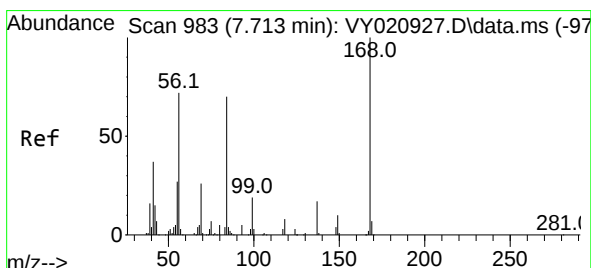
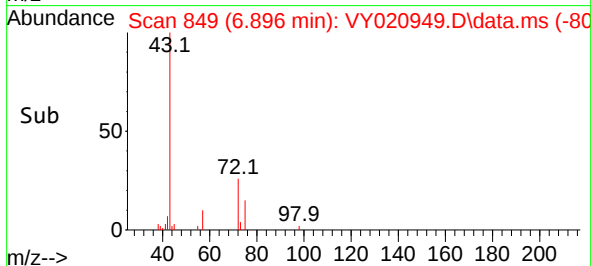
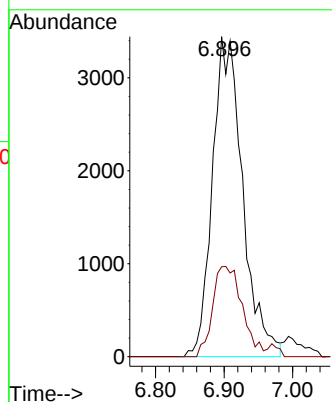


#25
2-Butanone
Concen: 17.324 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

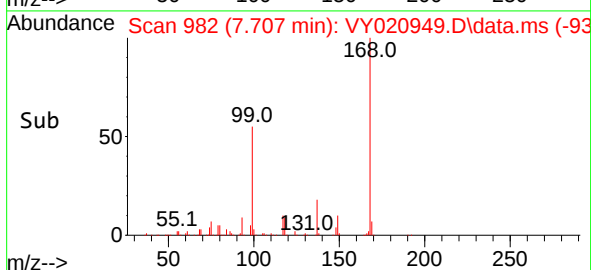
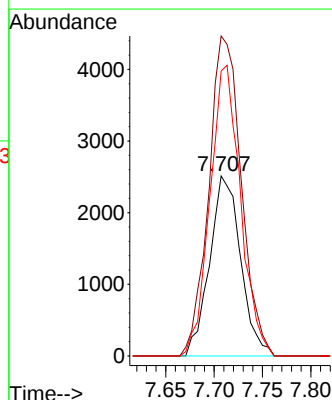
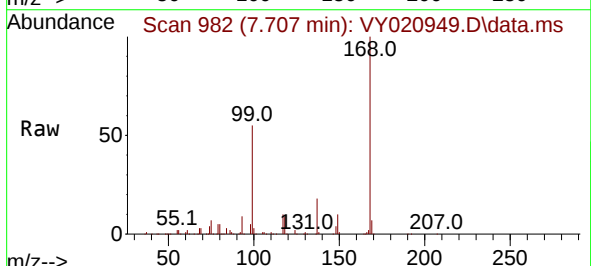


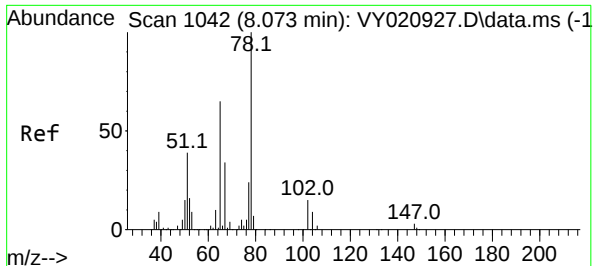
Tgt Ion: 43 Resp: 10509
Ion Ratio Lower Upper
43 100
72 28.1 25.8 38.8



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 56 Resp: 5588
Ion Ratio Lower Upper
56 100
69 177.8 28.7 43.1#
84 158.3 77.4 116.0#





#33

1,2-Dichloroethane-d4

Concen: 50.245 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020949.D

Acq: 27 Jan 2025 15:32

Instrument :

MSVOA_Y

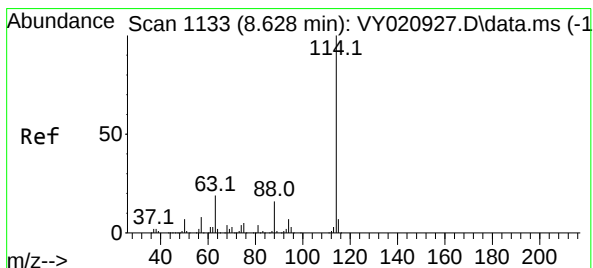
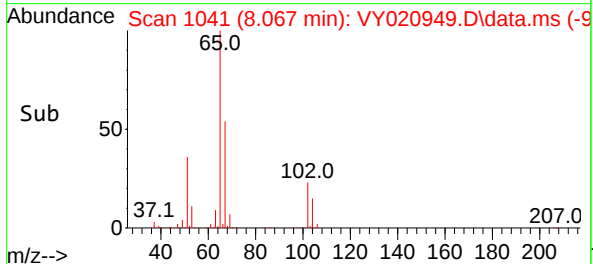
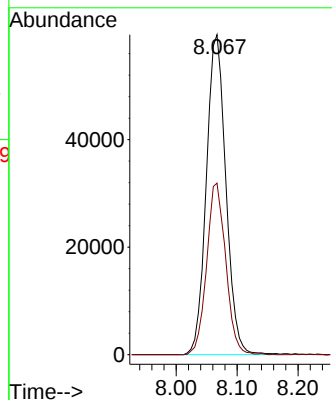
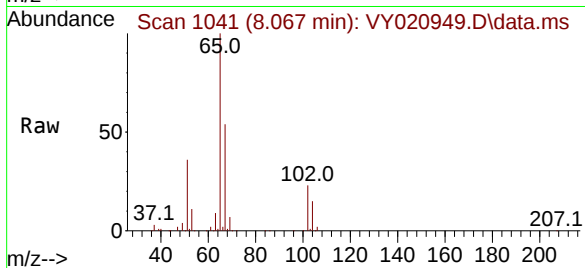
ClientSampleId :

Tgt Ion: 65 Resp: 132803

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020949.D

Acq: 27 Jan 2025 15:32

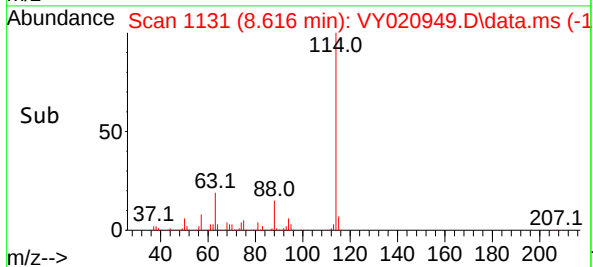
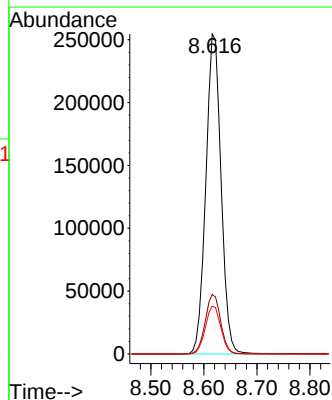
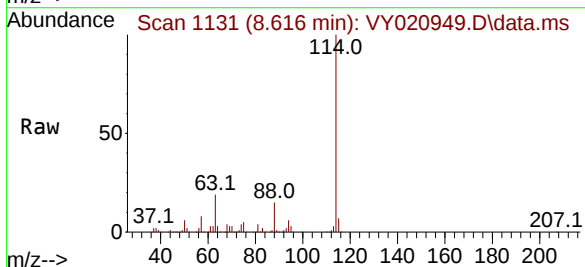
Tgt Ion: 114 Resp: 506966

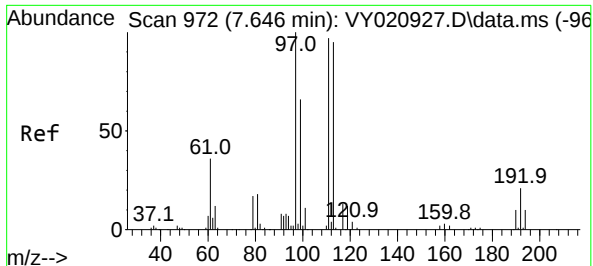
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

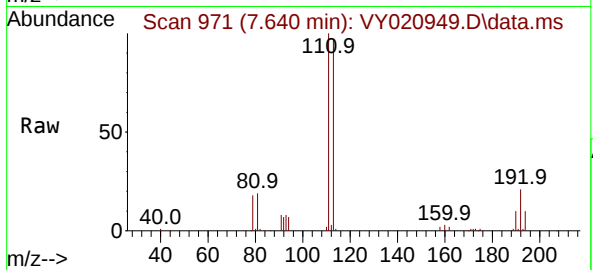
88 15.0 0.0 31.6



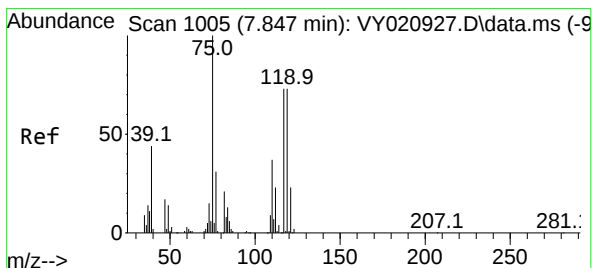
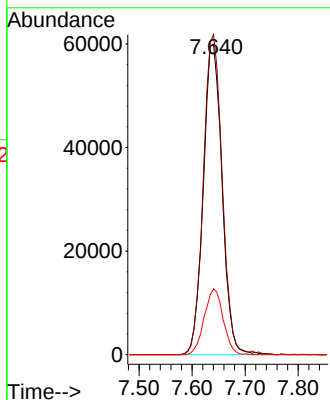
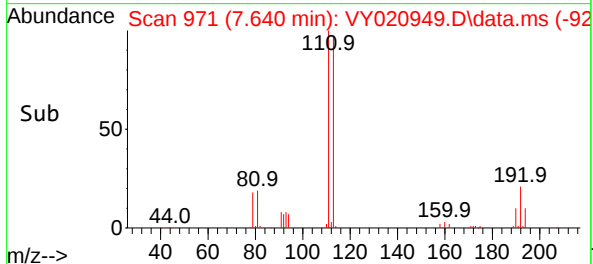


#35
Dibromofluoromethane
Concen: 50.634 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

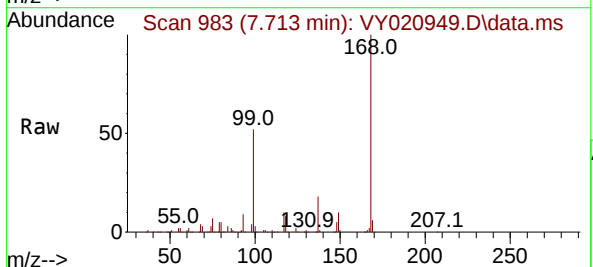
Instrument :
MSVOA_Y
ClientSampleId :



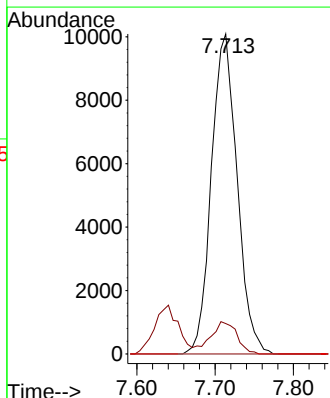
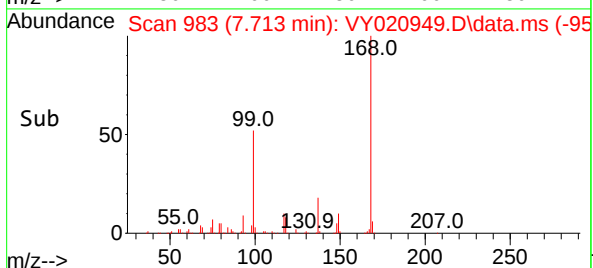
Tgt Ion:113 Resp: 147366
Ion Ratio Lower Upper
113 100
111 103.6 82.3 123.5
192 21.4 17.4 26.2

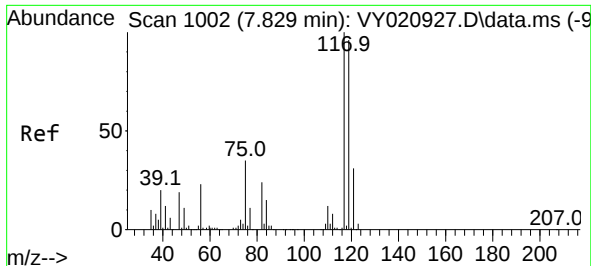


#36
1,1-Dichloropropene
Concen: 5.670 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.134 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32



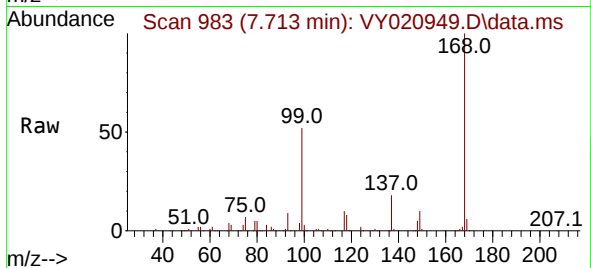
Tgt Ion: 75 Resp: 23039
Ion Ratio Lower Upper
75 100
110 9.6 18.5 55.5#
77 0.0 25.0 37.4#



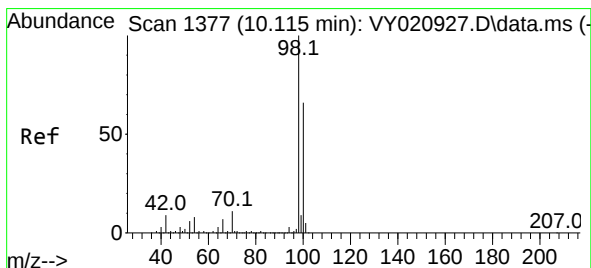
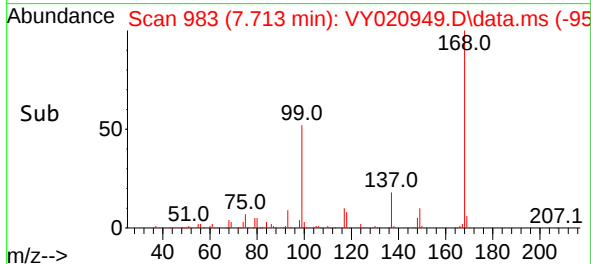
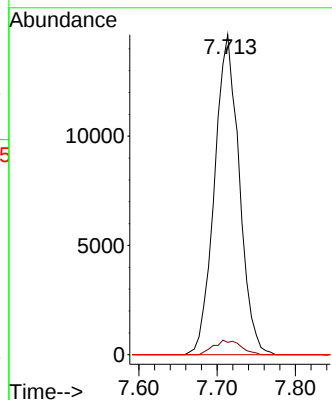


#38
Carbon Tetrachloride
Concen: 6.569 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

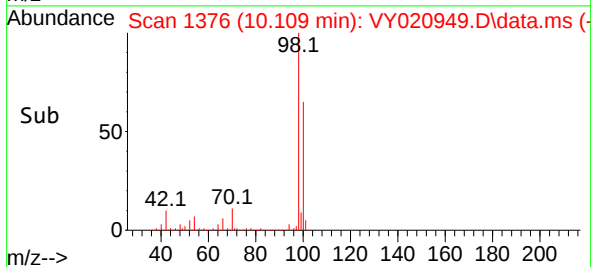
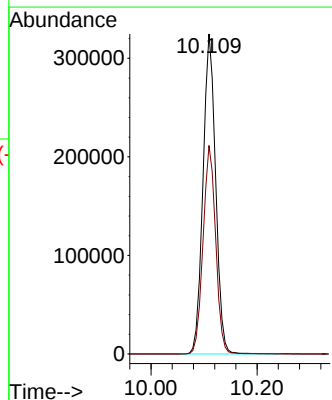
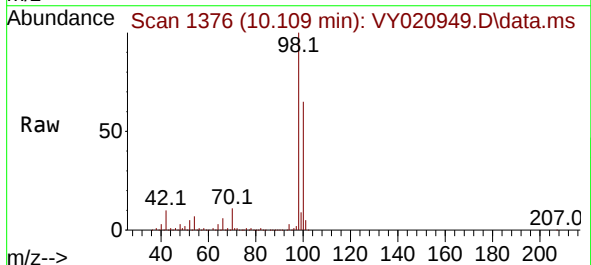


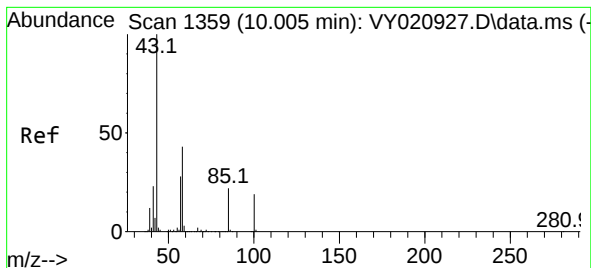
Tgt Ion:117 Resp: 32190
Ion Ratio Lower Upper
117 100
119 3.8 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 47.605 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 98 Resp: 537405
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

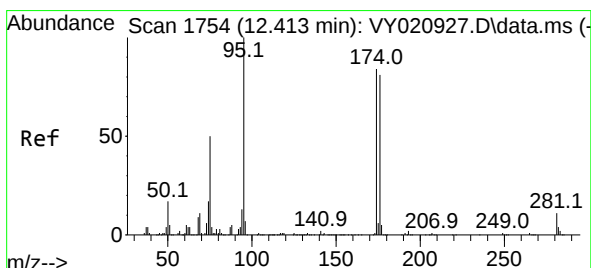
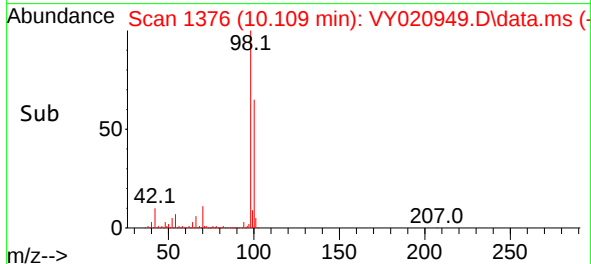
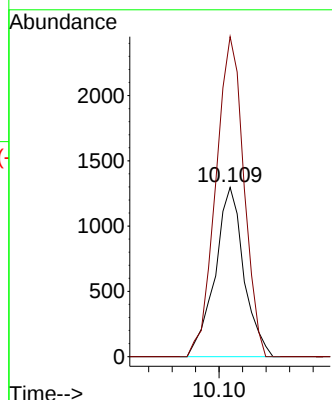
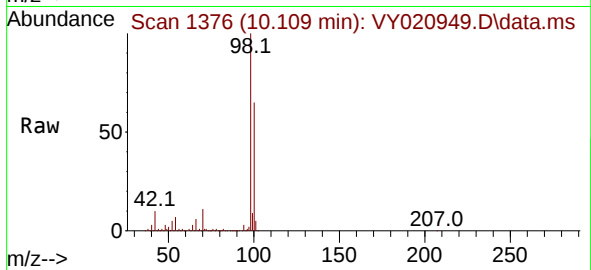




#51
4-Methyl-2-Pentanone
Concen: 1.465 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

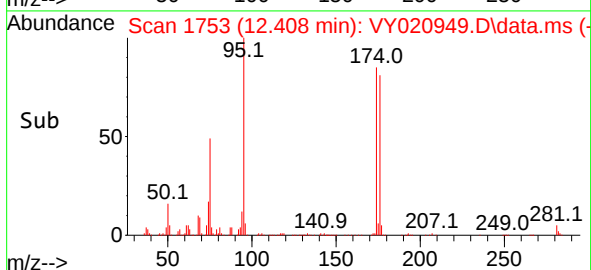
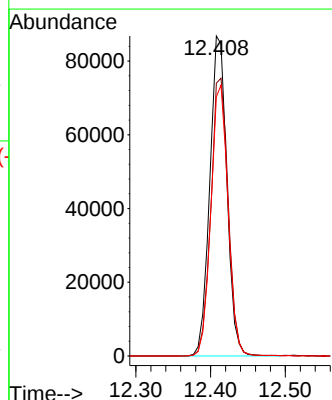
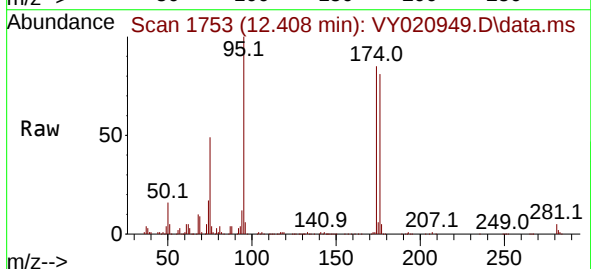
Instrument :
MSVOA_Y
ClientSampleId :

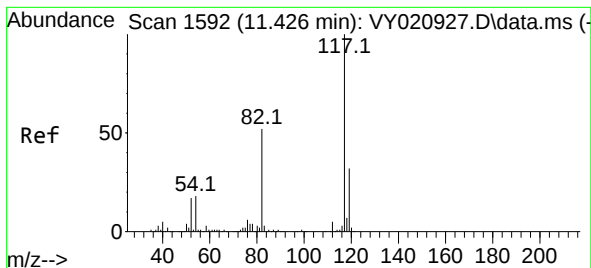
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 184.1 33.7 50.5#



#62
4-Bromofluorobenzene
Concen: 36.588 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 95 Resp: 137464
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.4
176 85.1 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: VY020949.D

Acq: 27 Jan 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

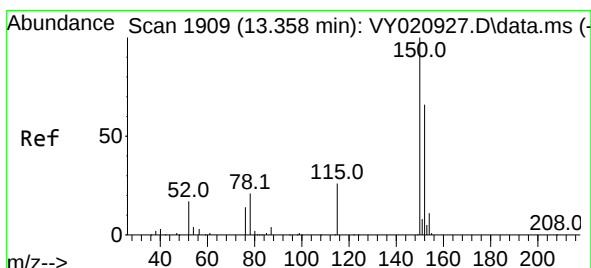
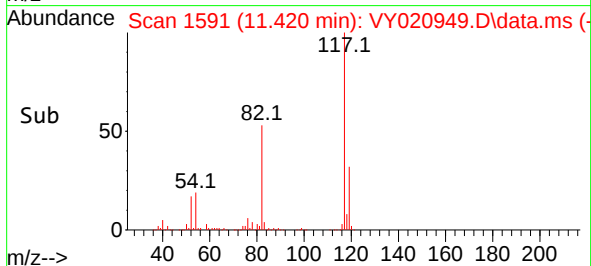
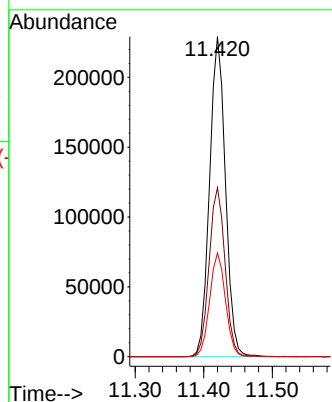
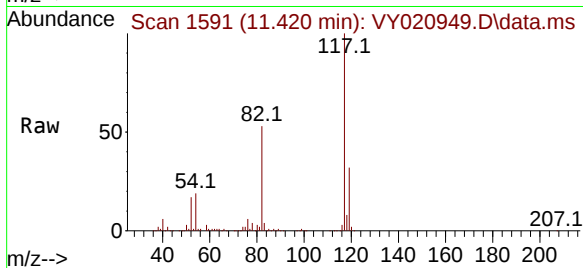
Tgt Ion:117 Resp: 369514

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020949.D

Acq: 27 Jan 2025 15:32

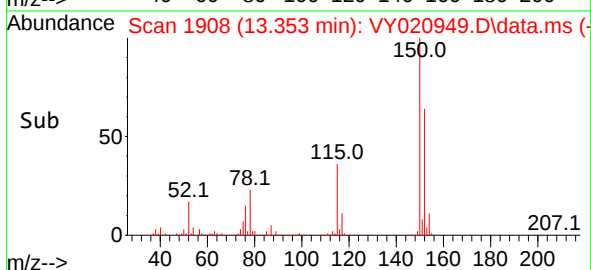
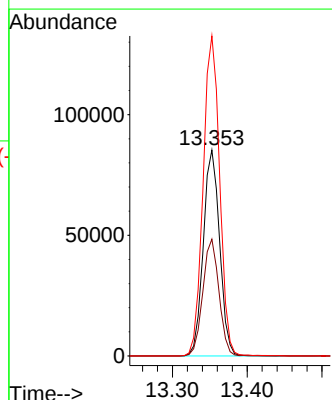
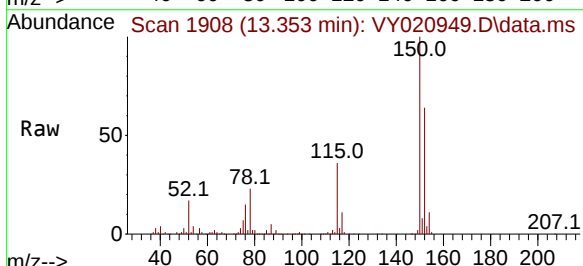
Tgt Ion:152 Resp: 129163

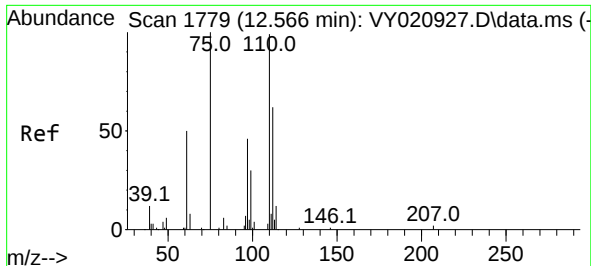
Ion Ratio Lower Upper

152 100

115 56.2 29.0 87.0

150 157.5 0.0 347.6

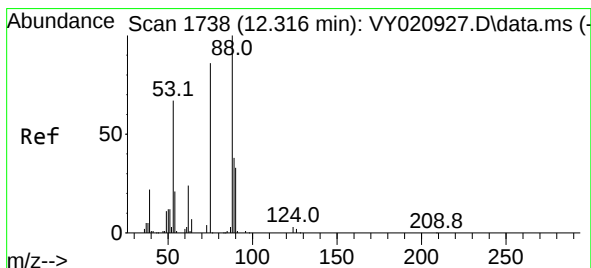
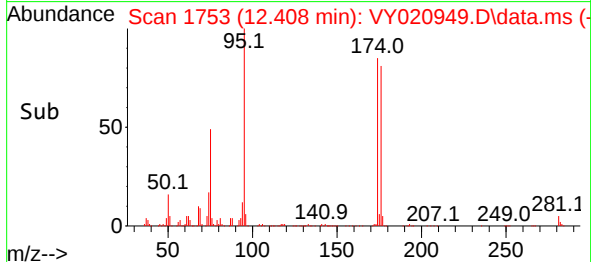
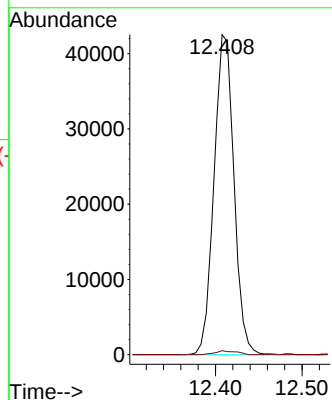
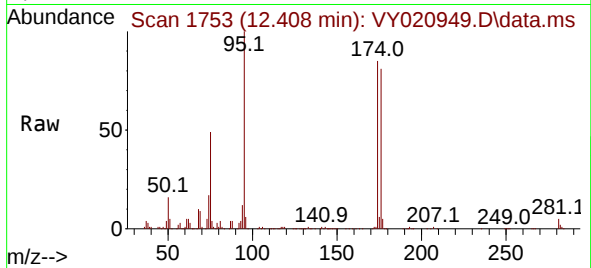




#76
1,2,3-Trichloropropane
Concen: 74.396 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.158 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

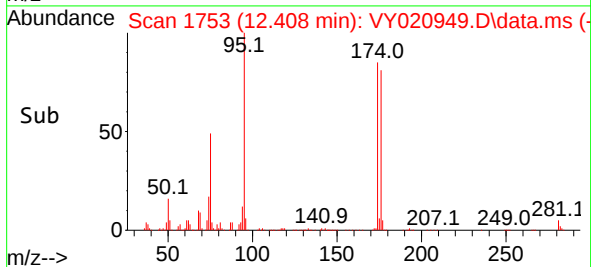
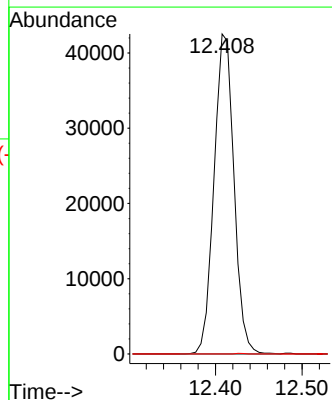
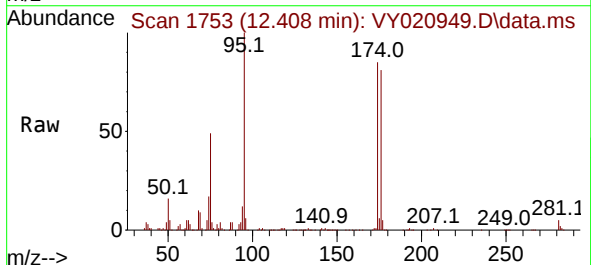
Instrument :
MSVOA_Y
ClientSampleId :

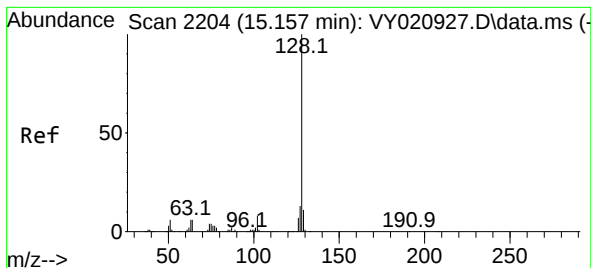
Tgt Ion: 75 Resp: 67941
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.733 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.092 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 75 Resp: 67941
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.1 38.4 57.6#





#95

Naphthalene

Concen: 1.974 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.012 min

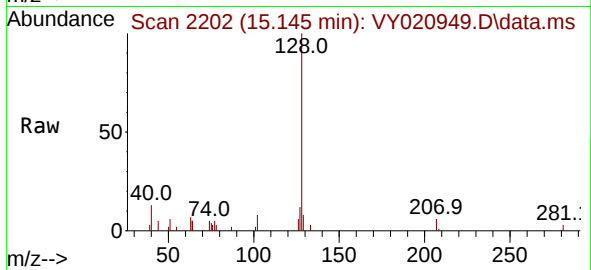
Lab File: VY020949.D

Acq: 27 Jan 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 6587

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 10.7 8.8 13.2

