

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020963.D
 Acq On : 29 Jan 2025 12:10
 Operator : SY/MD
 Sample : Q1209-03
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:34:45 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)

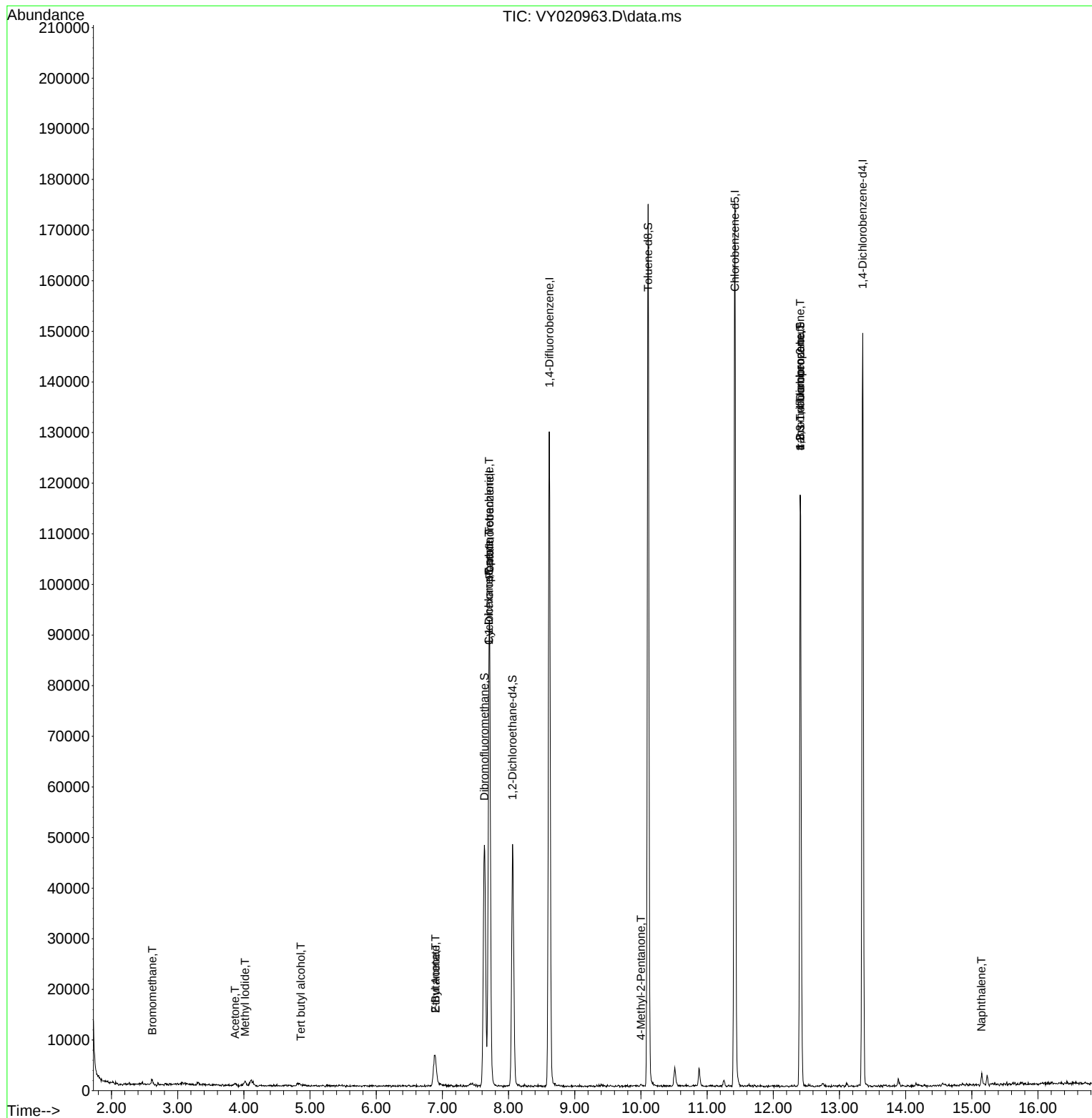
Internal Standards						
1) Pentafluorobenzene	7.713	168	76254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	115940	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	98833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	40864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	37666	61.953	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.900%	
35) Dibromofluoromethane	7.634	113	36096	54.231	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.460%	
50) Toluene-d8	10.109	98	117924	45.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.360%	
62) 4-Bromofluorobenzene	12.407	95	35515	41.334	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.616	94	557	1.759	ug/l #	59
10) Methyl Iodide	4.019	142	1475	1.888	ug/l #	88
11) Tert butyl alcohol	4.860	59	210	4.474	ug/l #	74
16) Acetone	3.866	43	707	8.583	ug/l #	43
25) 2-Butanone	6.896	43	459	3.289	ug/l #	42
31) Cyclohexane	7.701	56	1282	1.184	ug/l #	10
36) 1,1-Dichloropropene	7.701	75	5536	5.957	ug/l #	49
37) Ethyl Acetate	6.896	43	459	1.273	ug/l #	42
38) Carbon Tetrachloride	7.707	117	7351	6.559	ug/l #	17
51) 4-Methyl-2-Pentanone	9.999	43	452	1.311	ug/l #	34
76) 1,2,3-Trichloropropane	12.407	75	18128	62.743	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	18128	121.219	ug/l #	15
95) Naphthalene	15.145	128	2002	1.896	ug/l	97

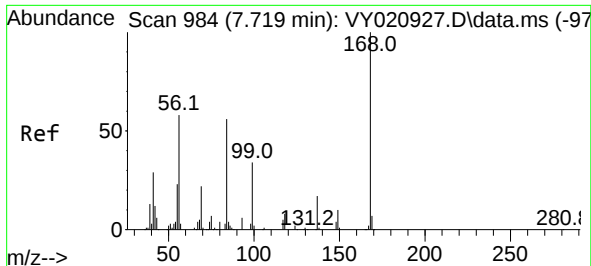
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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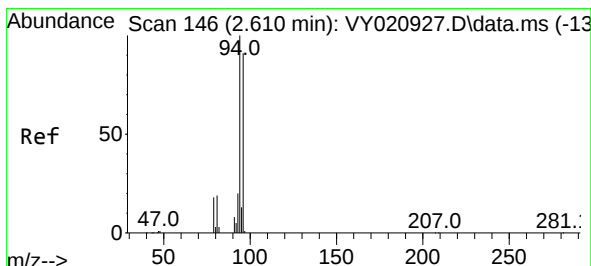
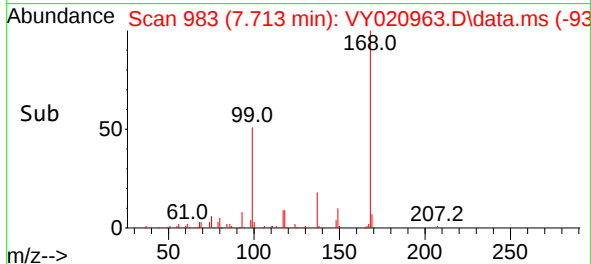
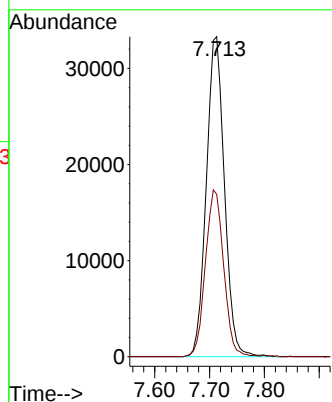
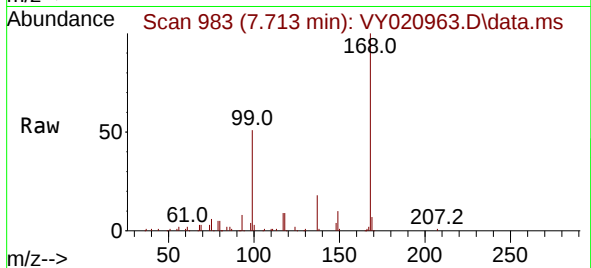




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

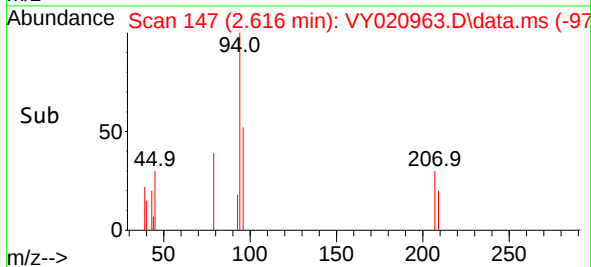
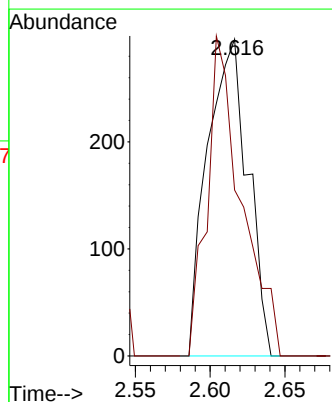
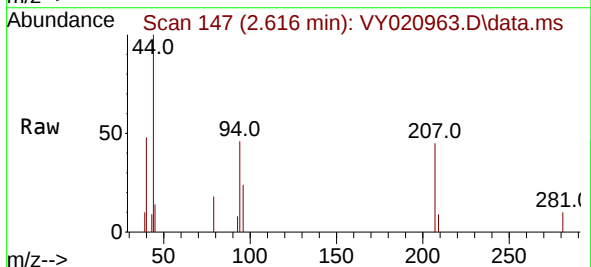
Instrument :
MSVOA_Y
ClientSampleId :

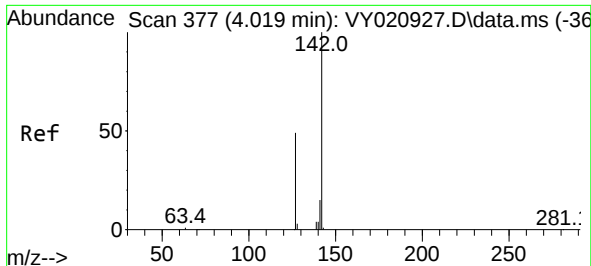
Tgt Ion:168 Resp: 76254
Ion Ratio Lower Upper
168 100
99 50.7 43.0 64.6



#5
Bromomethane
Concen: 1.759 ug/l
RT: 2.616 min Scan# 147
Delta R.T. 0.006 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 52.4 72.6 109.0#





#10

Methyl Iodide

Concen: 1.888 ug/l

RT: 4.019 min Scan# 31

Delta R.T. -0.000 min

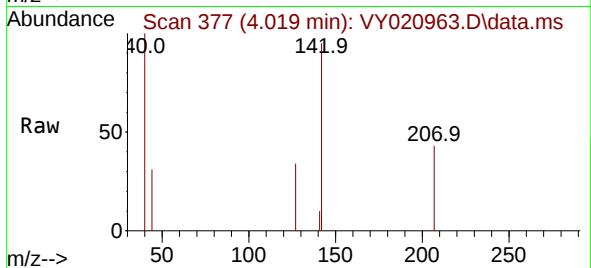
Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :



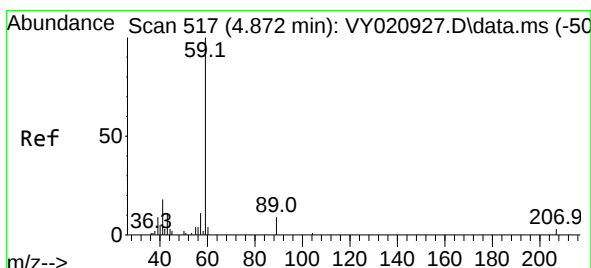
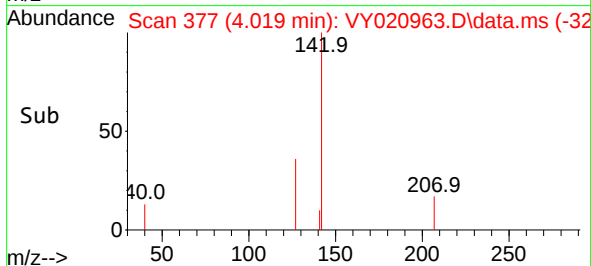
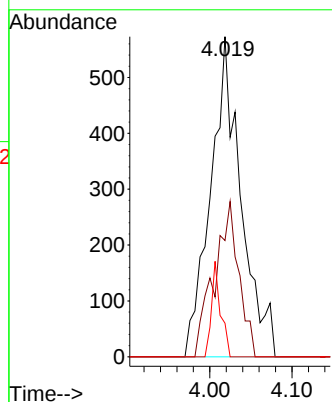
Tgt Ion:142 Resp: 1475

Ion Ratio Lower Upper

142 100

127 39.1 37.3 55.9

141 8.9 11.4 17.2#



#11

Tert butyl alcohol

Concen: 4.474 ug/l

RT: 4.860 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY020963.D

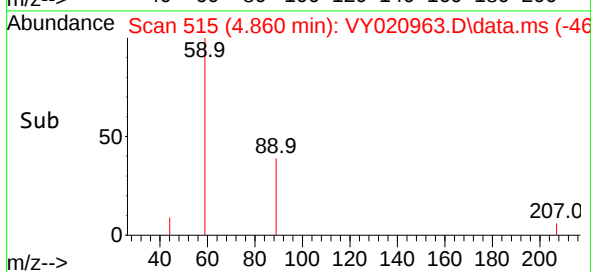
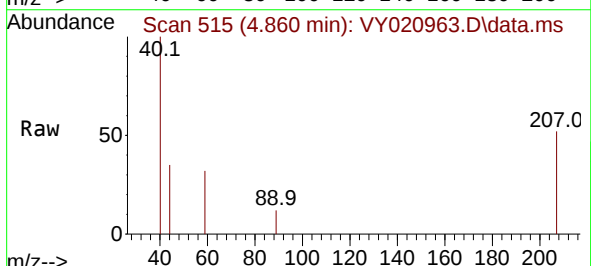
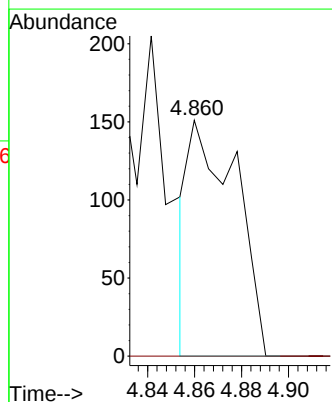
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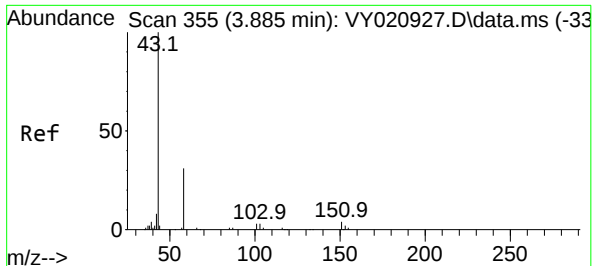
Tgt Ion: 59 Resp: 210

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#

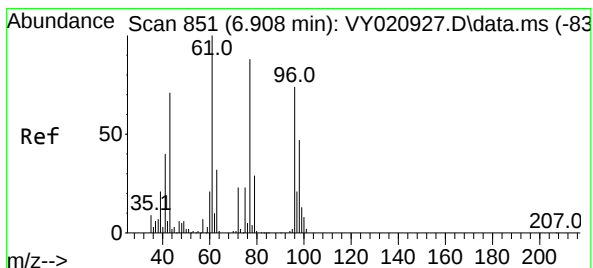
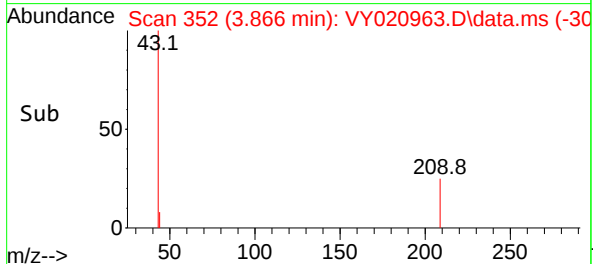
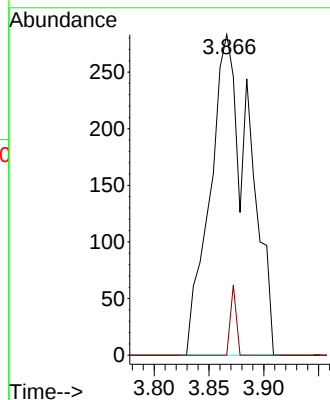
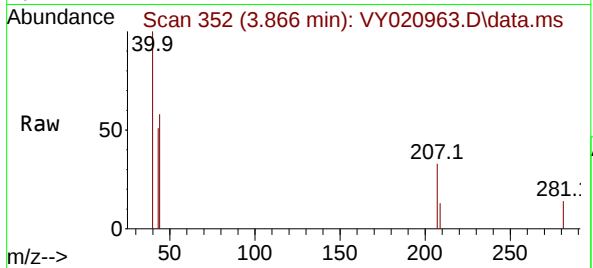




#16
Acetone
Concen: 8.583 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

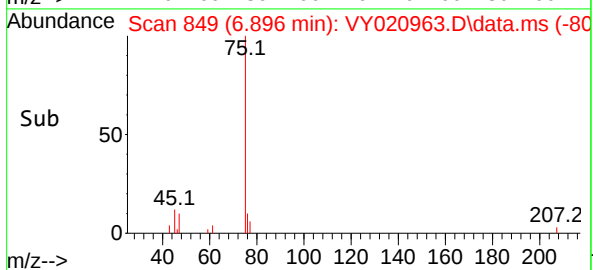
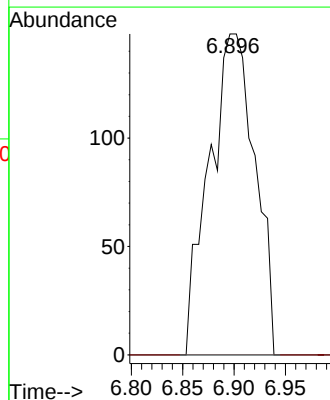
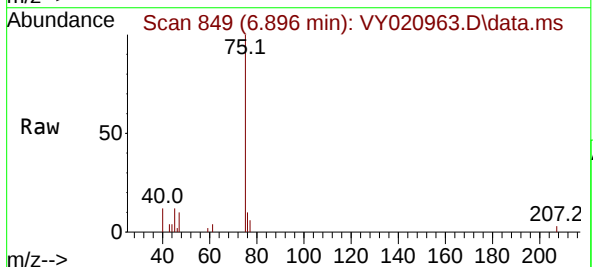
Instrument :
MSVOA_Y
ClientSampleId :

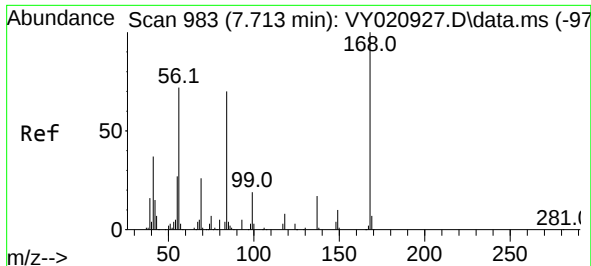
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
58 0.0 25.6 38.4#



#25
2-Butanone
Concen: 3.289 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

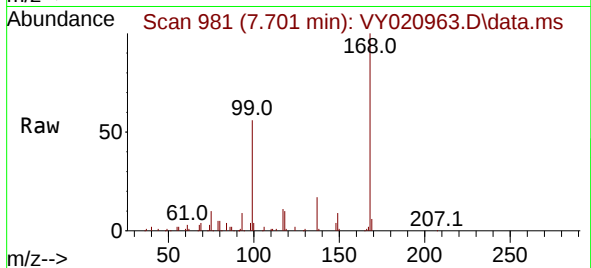
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



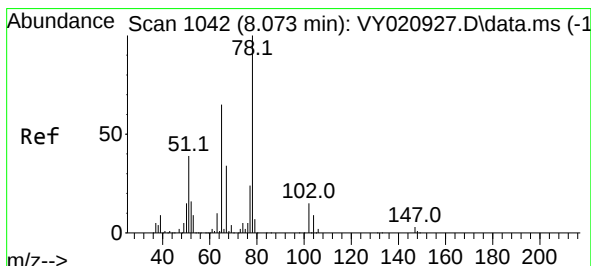
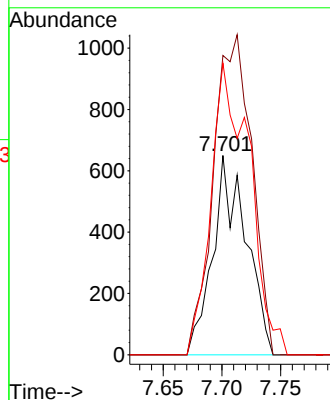
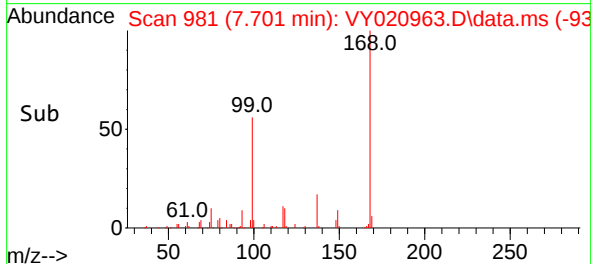


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

Instrument :
MSVOA_Y
ClientSampleId :

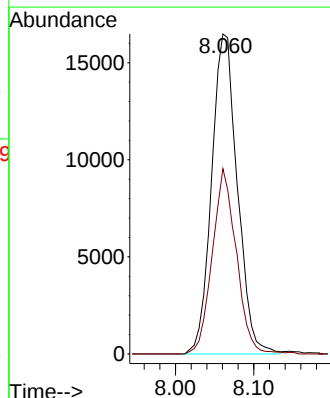
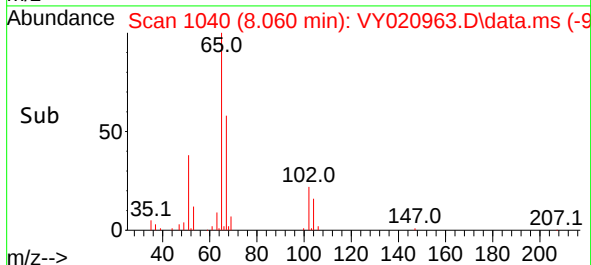
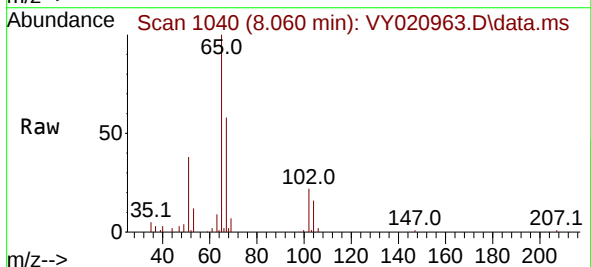


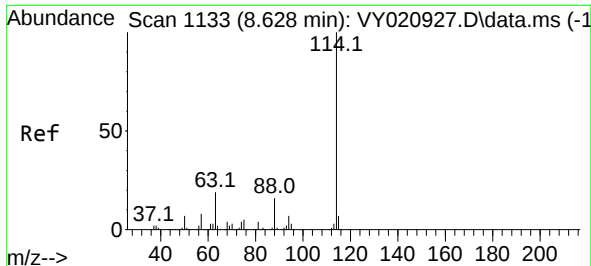
Tgt Ion: 56 Resp: 1282
Ion Ratio Lower Upper
56 100
69 150.2 28.7 43.1#
84 146.3 77.4 116.0#



#33
1,2-Dichloroethane-d4
Concen: 61.953 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

Tgt Ion: 65 Resp: 37666
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8

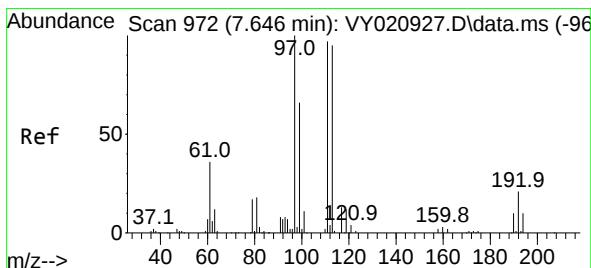
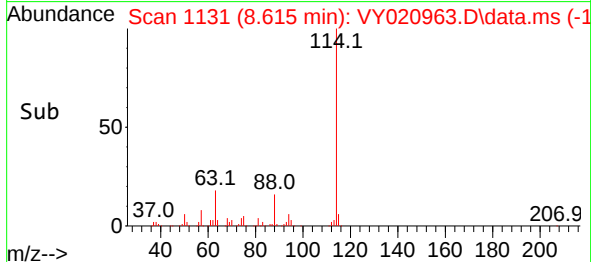
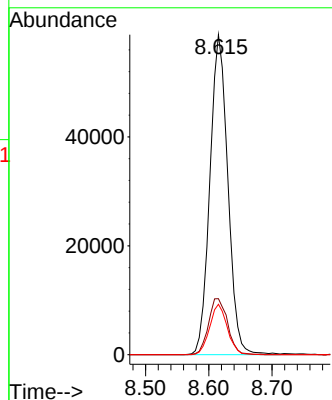
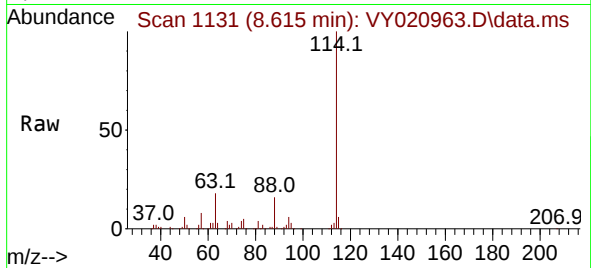




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1133
Delta R.T. -0.012 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

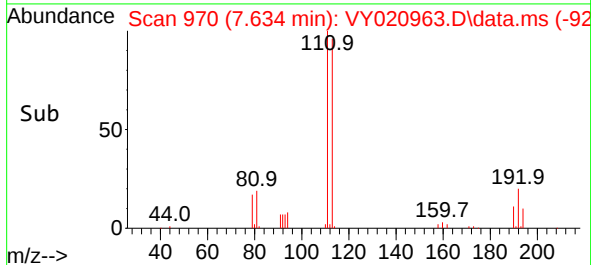
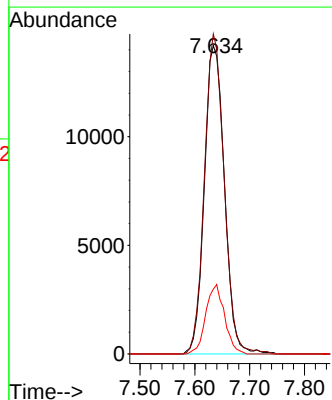
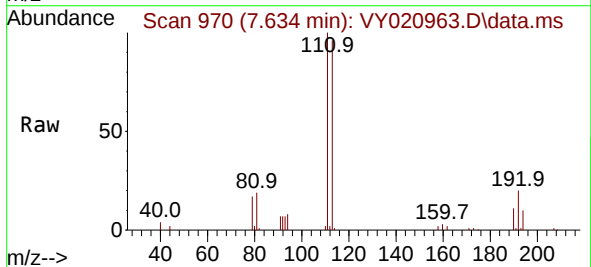
Instrument :
MSVOA_Y
ClientSampleId :

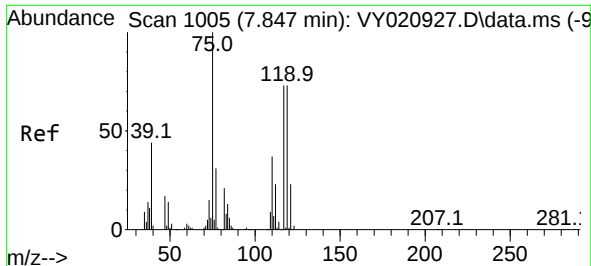
Tgt Ion:114 Resp: 115940
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 15.8 0.0 31.6



#35
Dibromofluoromethane
Concen: 54.231 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

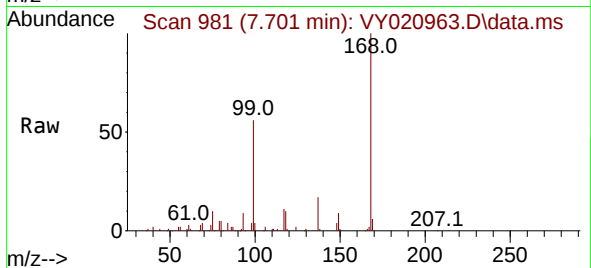
Tgt Ion:113 Resp: 36096
Ion Ratio Lower Upper
113 100
111 101.9 82.3 123.5
192 21.0 17.4 26.2



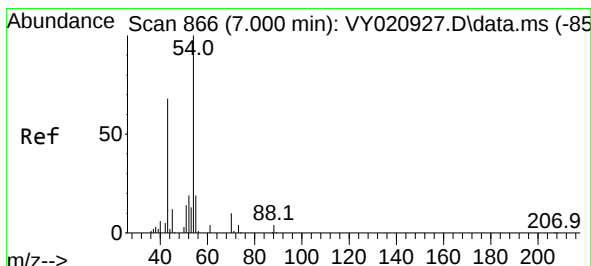
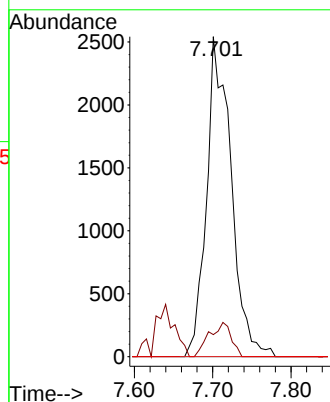
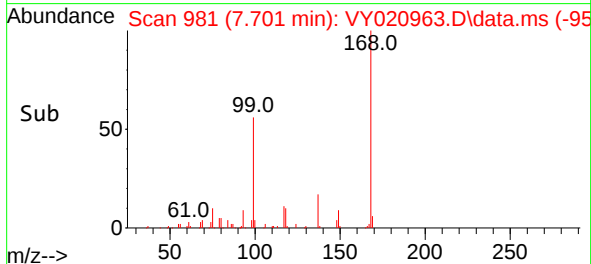


#36
 1,1-Dichloropropene
 Concen: 5.957 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.146 min
 Lab File: VY020963.D
 Acq: 29 Jan 2025 12:10

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 MSVOA_Y
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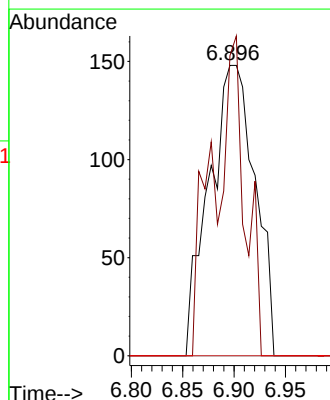
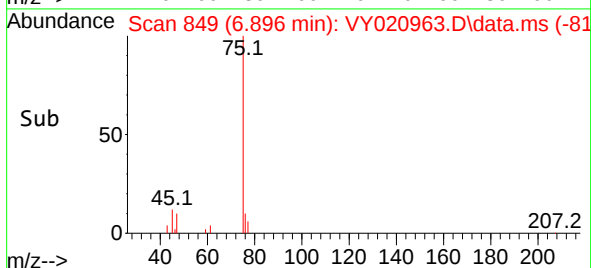
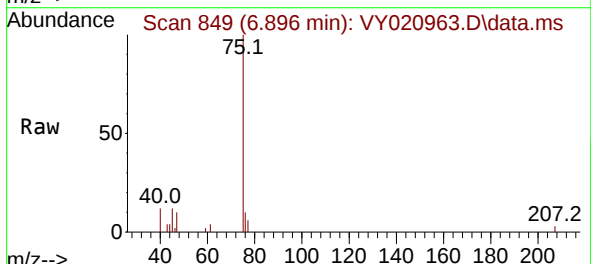


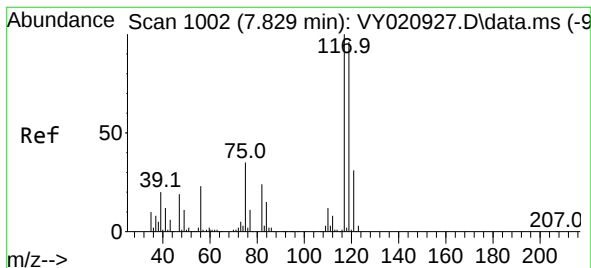
Tgt Ion: 75 Resp: 5536
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.5 55.5#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.273 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.104 min
 Lab File: VY020963.D
 Acq: 29 Jan 2025 12:10

Tgt Ion: 43 Resp: 459
 Ion Ratio Lower Upper
 43 100
 61 48.4 12.1 18.1#
 70 0.0 9.5 14.3#





#38

Carbon Tetrachloride

Concen: 6.559 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

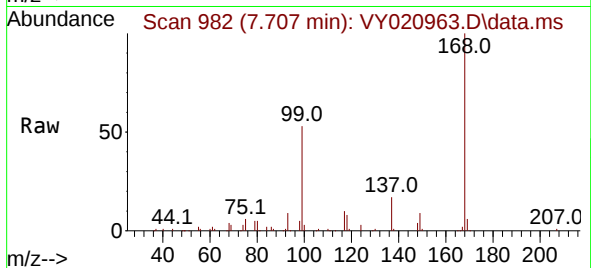
Lab File: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :



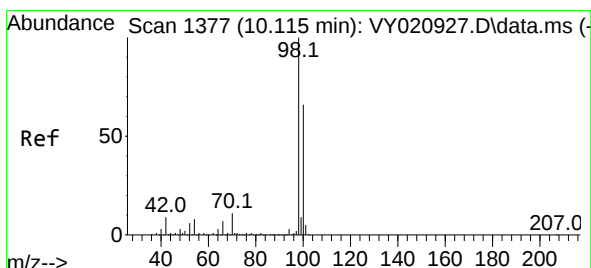
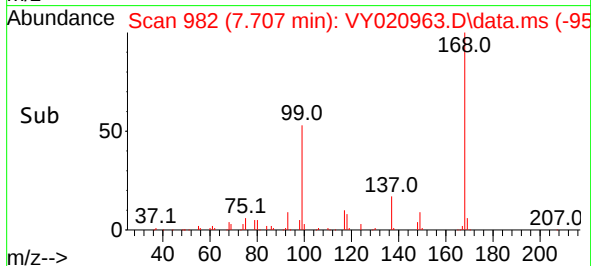
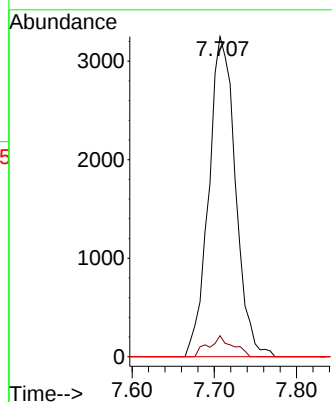
Tgt Ion:117 Resp: 7351

Ion Ratio Lower Upper

117 100

119 6.6 76.5 114.7#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 45.677 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020963.D

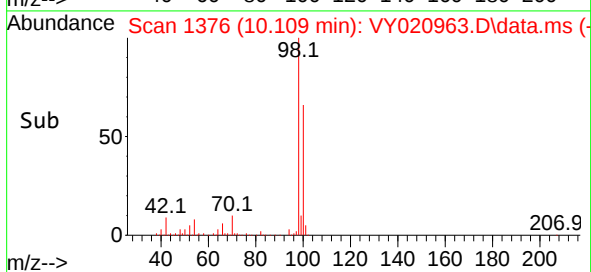
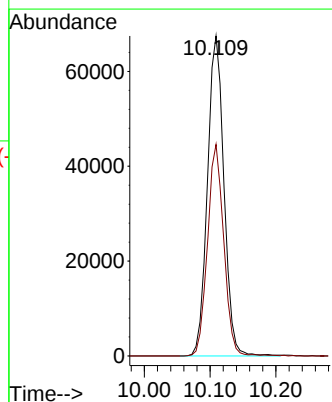
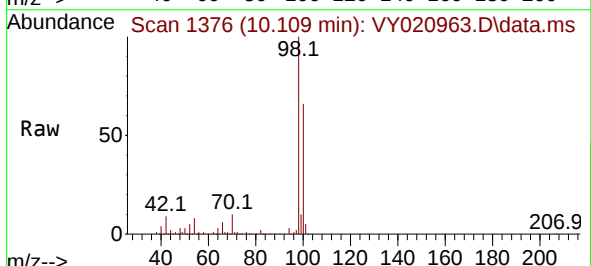
Acq: 29 Jan 2025 12:10

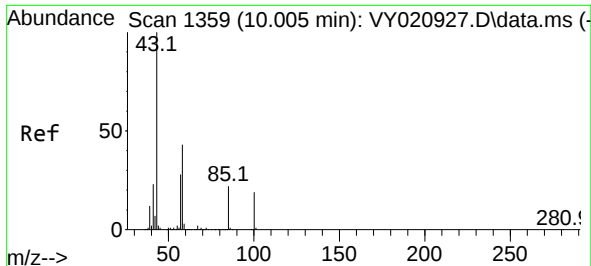
Tgt Ion: 98 Resp: 117924

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5

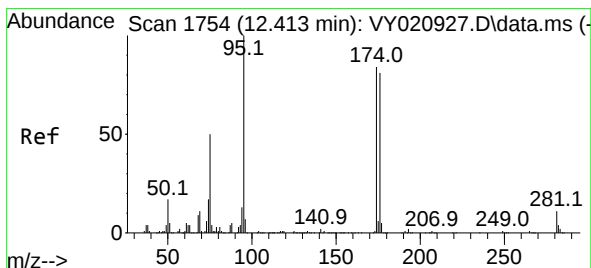
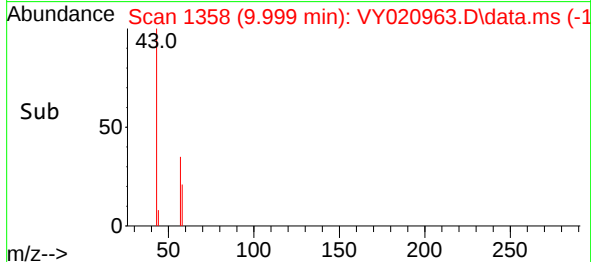
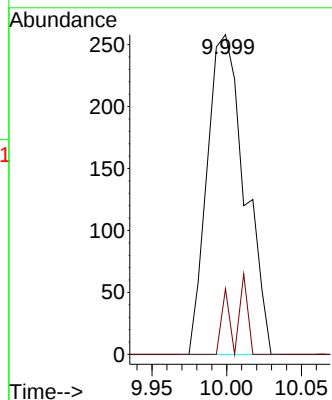
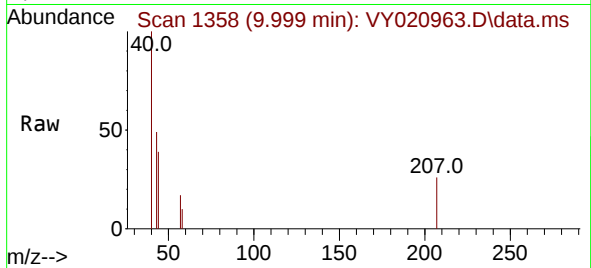




#51
4-Methyl-2-Pentanone
Concen: 1.311 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

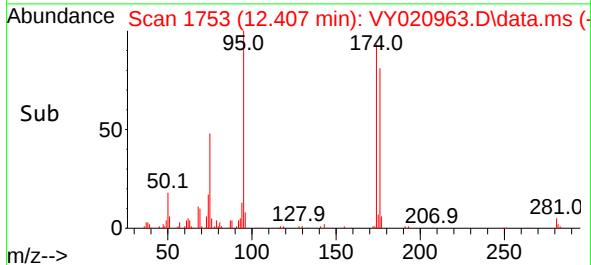
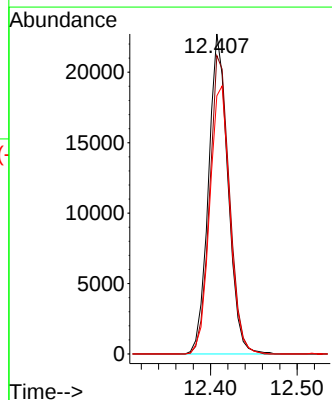
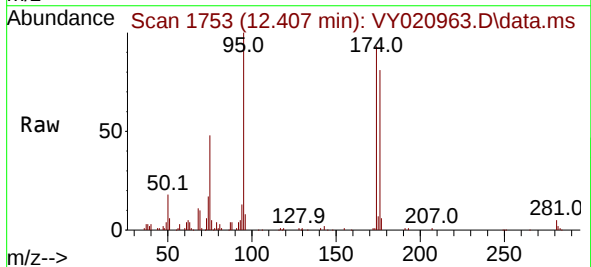
Instrument :
MSVOA_Y
ClientSampleId :

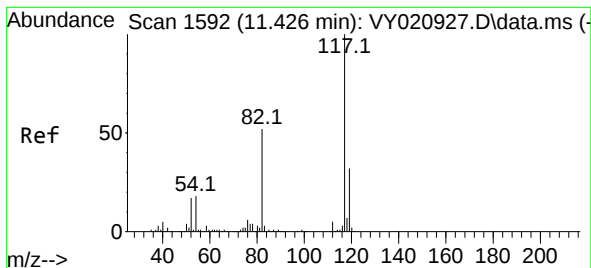
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
58 0.0 33.7 50.5#



#62
4-Bromofluorobenzene
Concen: 41.334 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

Tgt Ion: 95 Resp: 35515
Ion Ratio Lower Upper
95 100
174 95.0 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: VY020963.D

Acq: 29 Jan 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

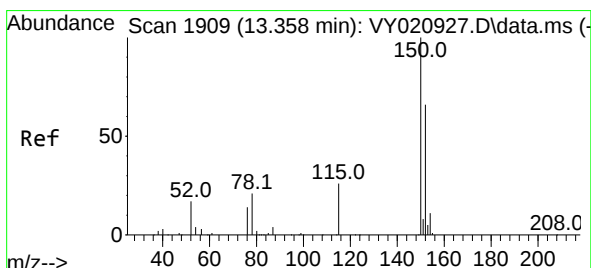
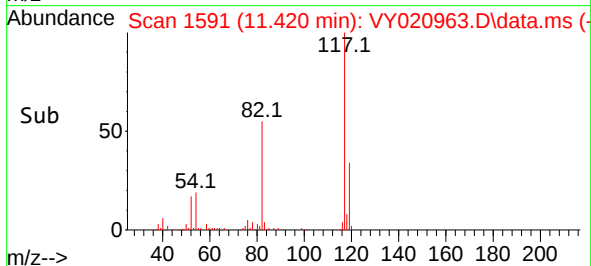
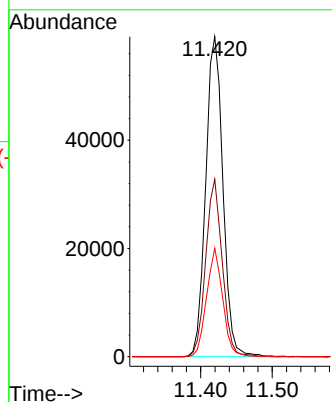
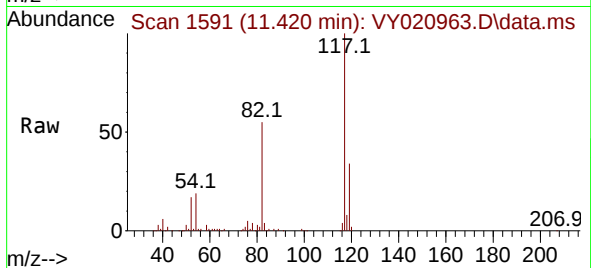
Tgt Ion:117 Resp: 98833

Ion Ratio Lower Upper

117 100

82 55.4 41.8 62.8

119 33.9 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: VY020963.D

Acq: 29 Jan 2025 12:10

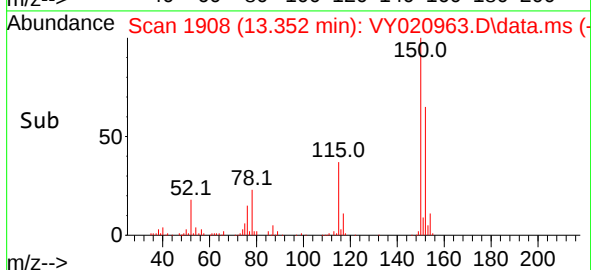
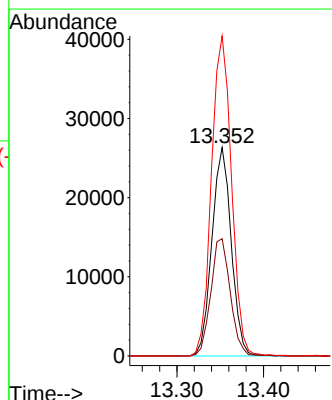
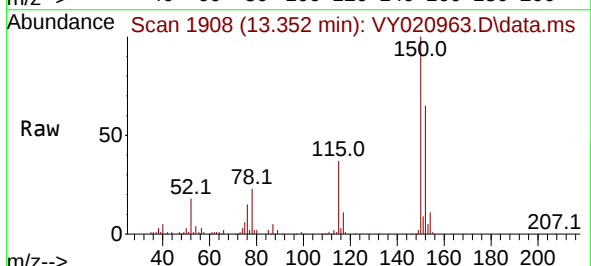
Tgt Ion:152 Resp: 40864

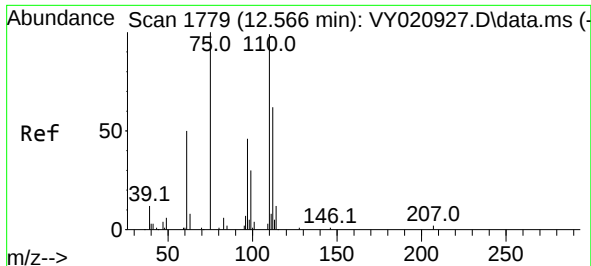
Ion Ratio Lower Upper

152 100

115 56.8 29.0 87.0

150 158.8 0.0 347.6

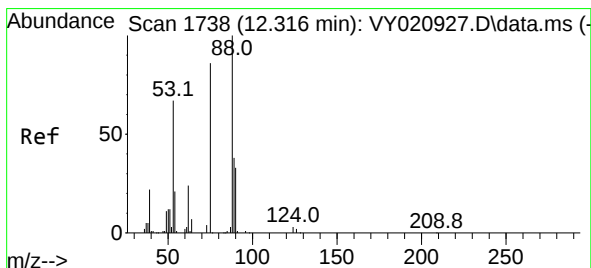
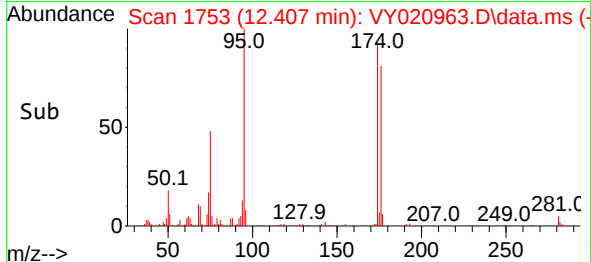
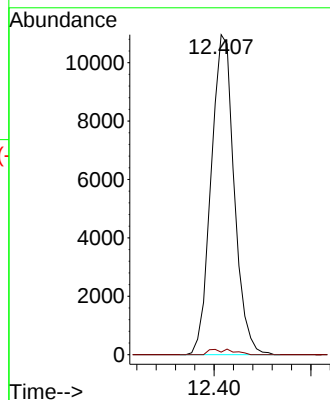
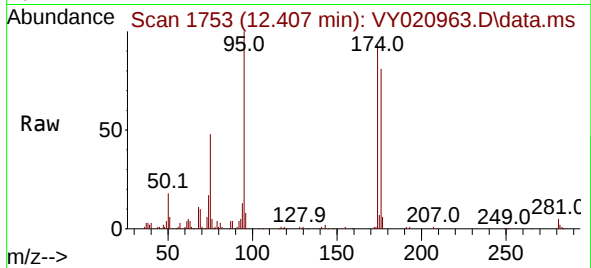




#76
1,2,3-Trichloropropane
Concen: 62.743 ug/l
RT: 12.407 min Scan# 1779
Delta R.T. -0.159 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

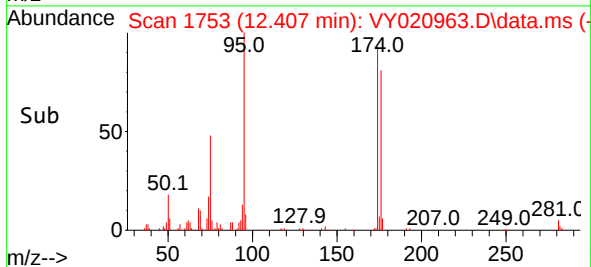
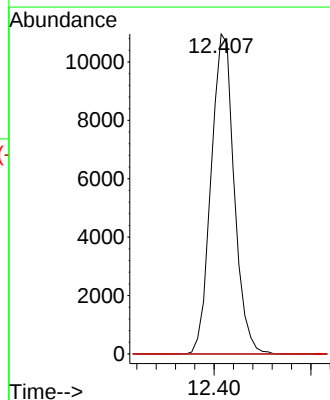
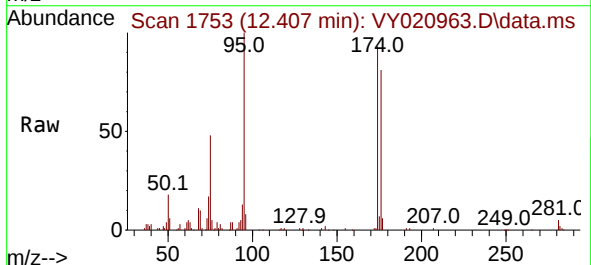
Instrument :
MSVOA_Y
ClientSampleId :

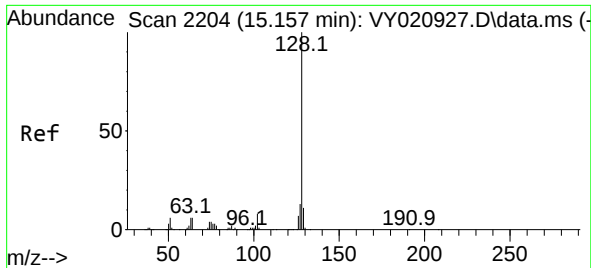
Tgt Ion: 75 Resp: 18128
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.219 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.091 min
Lab File: VY020963.D
Acq: 29 Jan 2025 12:10

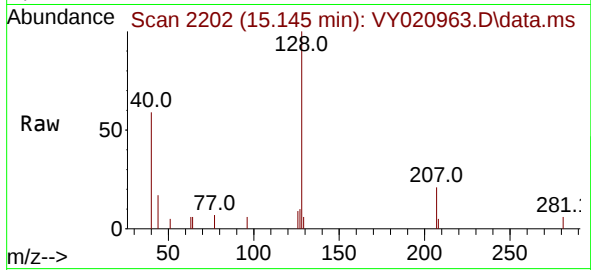
Tgt Ion: 75 Resp: 18128
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 38.4 57.6#





#95
 Naphthalene
 Concen: 1.896 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VY020963.D
 Acq: 29 Jan 2025 12:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	2002
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.3	15.5
129	11.6	8.8	13.2

