

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020952.D
 Acq On : 27 Jan 2025 16:49
 Operator : SY/MD
 Sample : Q1187-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:15:33 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)

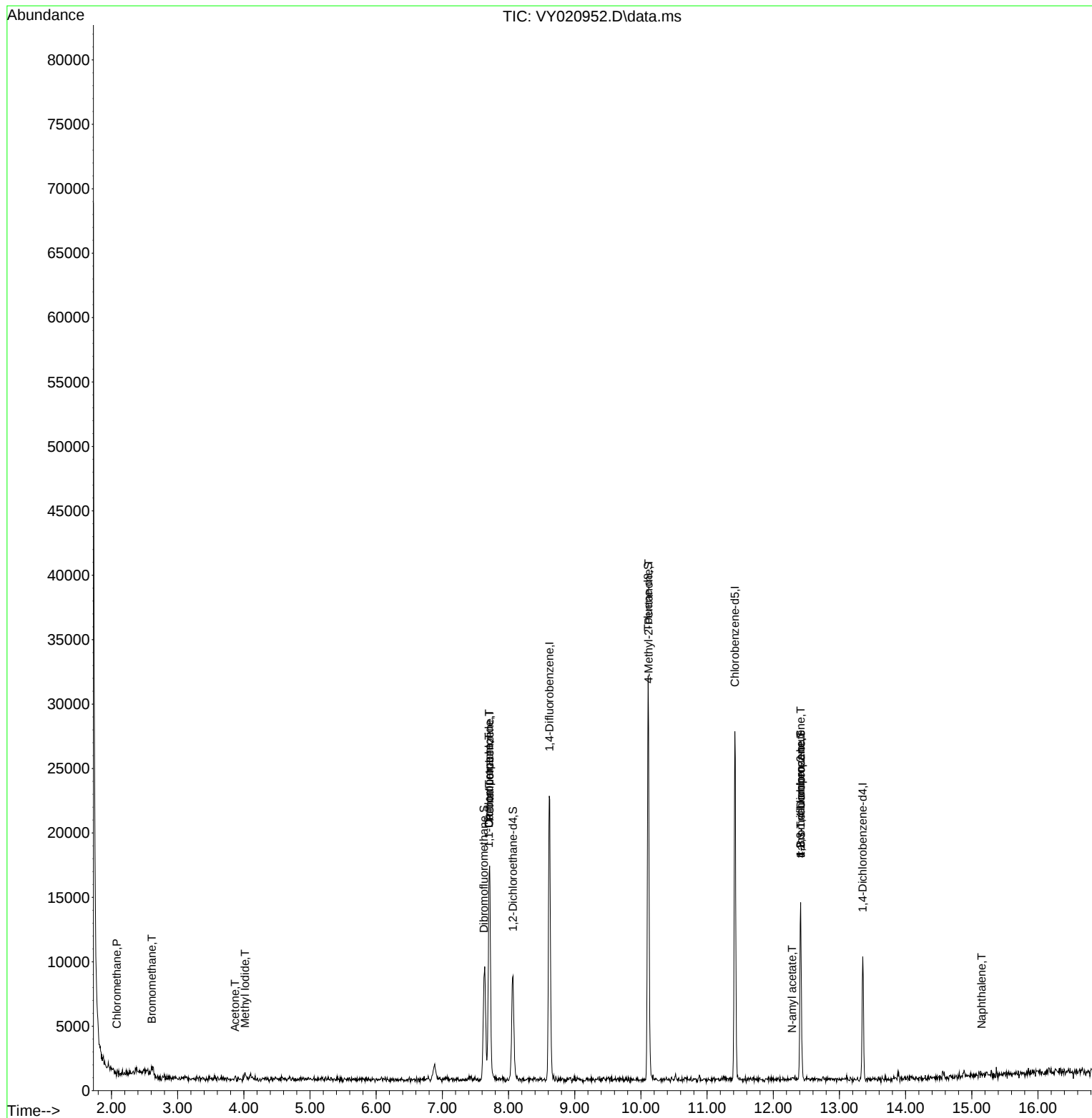
Internal Standards						
1) Pentafluorobenzene	7.713	168	14598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	21229	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	14886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	7050	60.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.140%	
35) Dibromofluoromethane	7.628	113	7142	58.602	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.200%	
50) Toluene-d8	10.109	98	22014	46.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.140%	
62) 4-Bromofluorobenzene	12.414	95	4224	26.849	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 53.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	136	1.656	ug/l #	40
5) Bromomethane	2.611	94	395	6.516	ug/l	96
10) Methyl Iodide	4.019	142	776	5.189	ug/l #	81
16) Acetone	3.866	43	162	10.273	ug/l #	43
36) 1,1-Dichloropropene	7.701	75	1007	5.918	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1402	6.832	ug/l #	12
51) 4-Methyl-2-Pentanone	10.115	43	69	1.093	ug/l #	1
74) N-amyl acetate	12.286	43	87	2.683	ug/l #	39
76) 1,2,3-Trichloropropane	12.414	75	2068	110.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	2068	213.561	ug/l #	15
95) Naphthalene	15.151	128	158	2.311	ug/l #	69

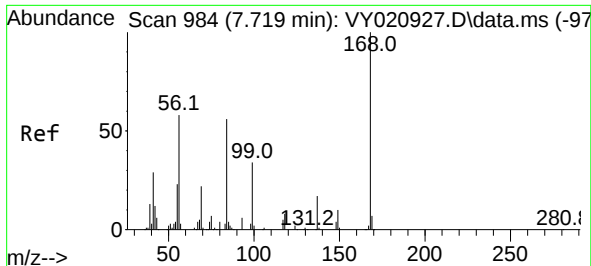
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
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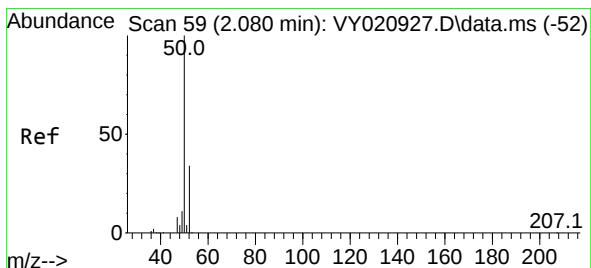
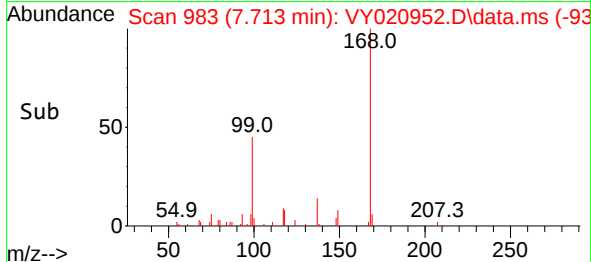
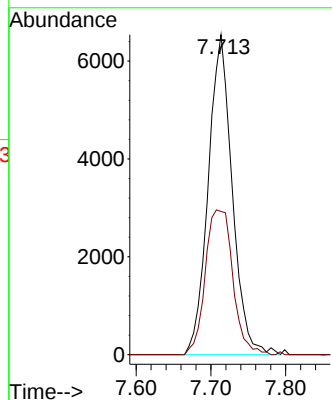
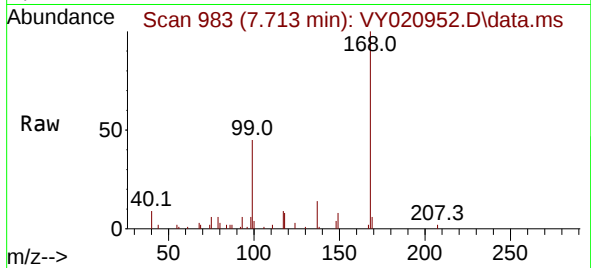




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

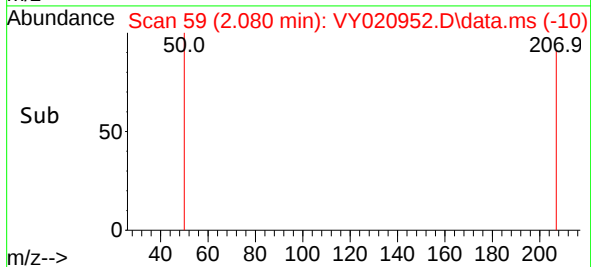
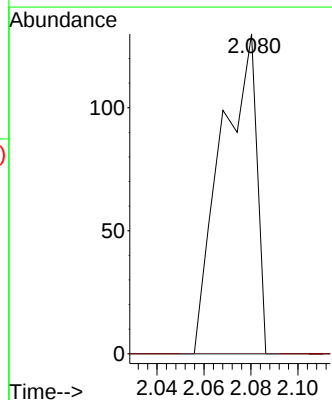
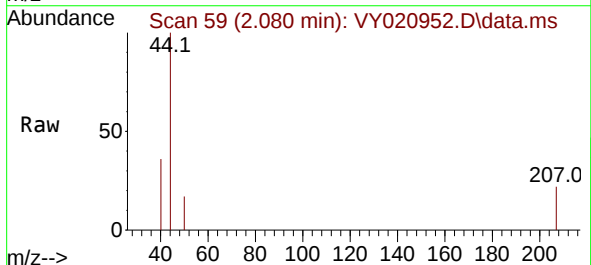
Instrument :
MSVOA_Y
ClientSampleId :

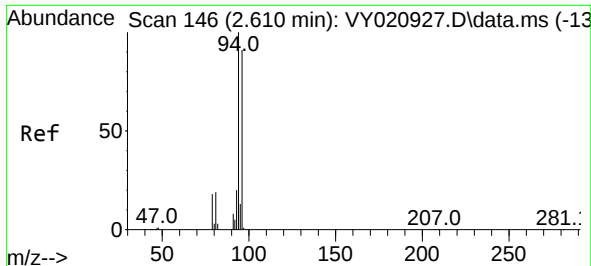
Tgt Ion:168 Resp: 14598
Ion Ratio Lower Upper
168 100
99 44.8 43.0 64.6



#3
Chloromethane
Concen: 1.656 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion: 50 Resp: 136
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

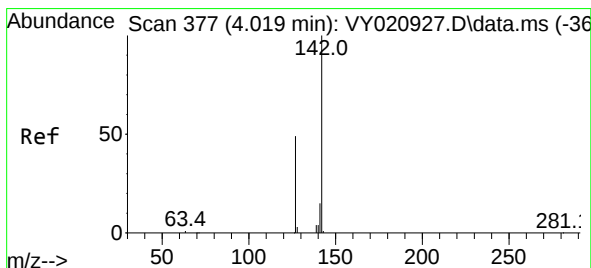
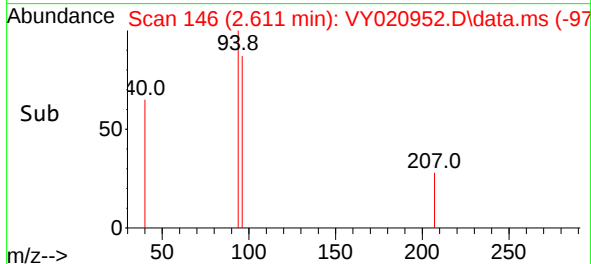
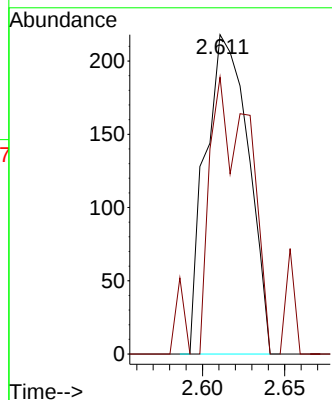
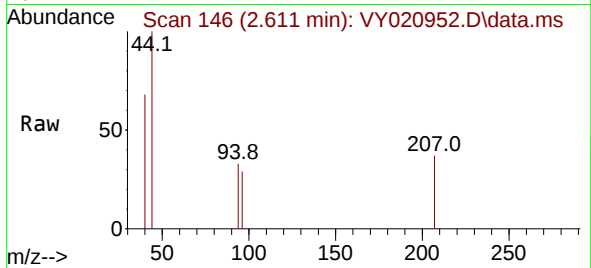




#5
Bromomethane
Concen: 6.516 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.000 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

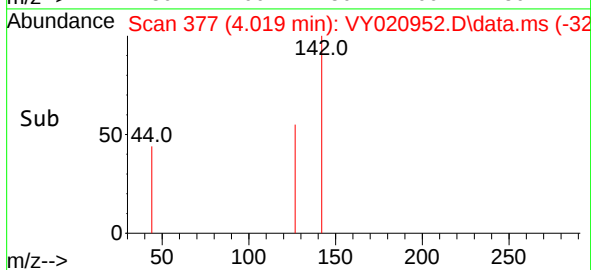
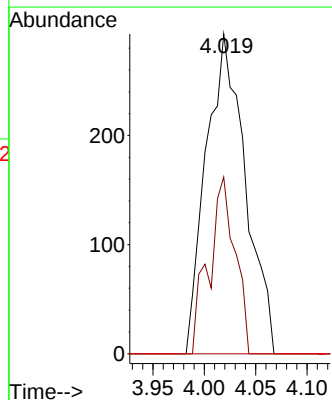
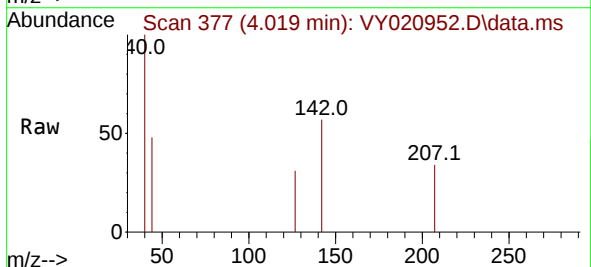
Instrument :
MSVOA_Y
ClientSampleId :

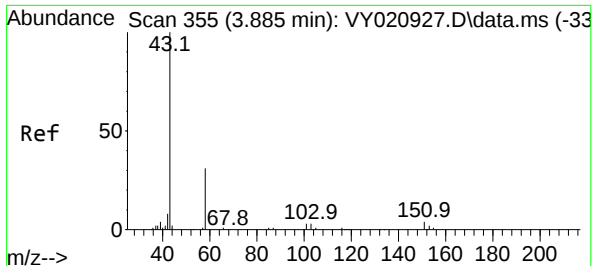
Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 86.7 72.6 109.0



#10
Methyl Iodide
Concen: 5.189 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.000 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
127 37.0 37.3 55.9#
141 0.0 11.4 17.2#

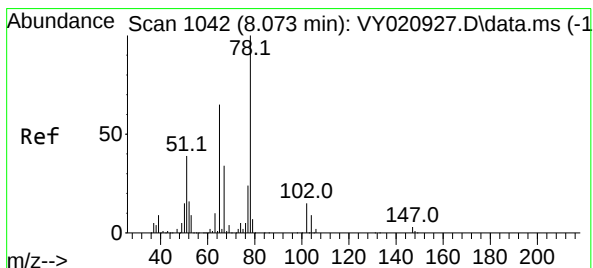
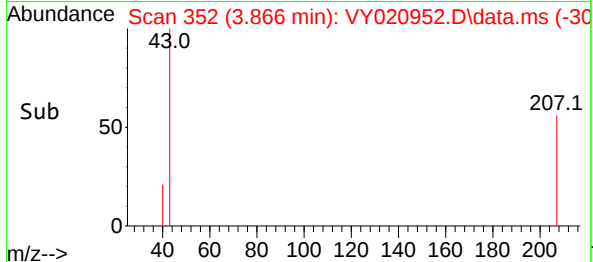
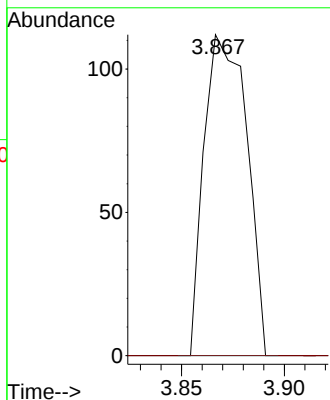
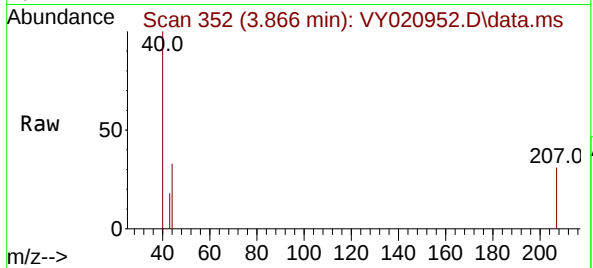




#16
Acetone
Concen: 10.273 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

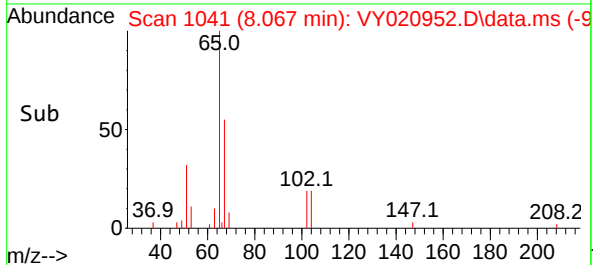
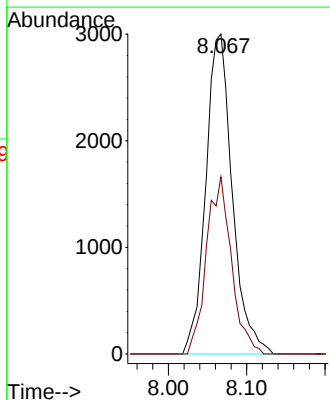
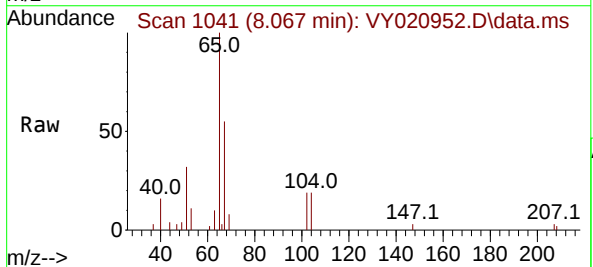
Instrument :
MSVOA_Y
ClientSampleId :

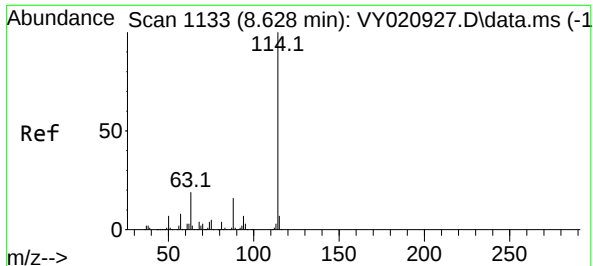
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 25.6 38.4#



#33
1,2-Dichloroethane-d4
Concen: 60.572 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion: 65 Resp: 7050
Ion Ratio Lower Upper
65 100
67 52.1 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

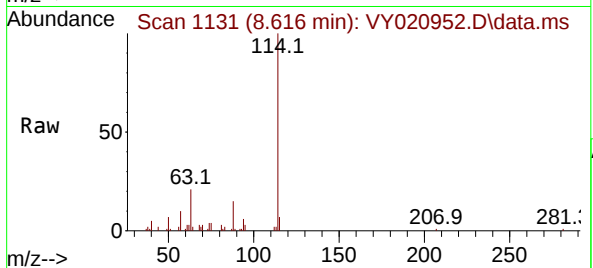
Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :



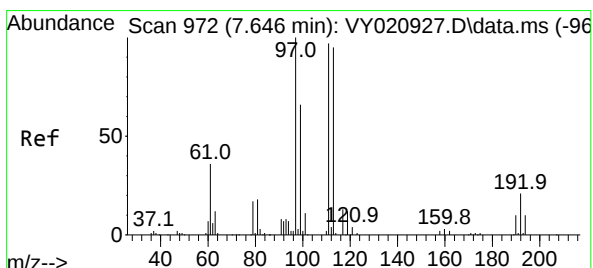
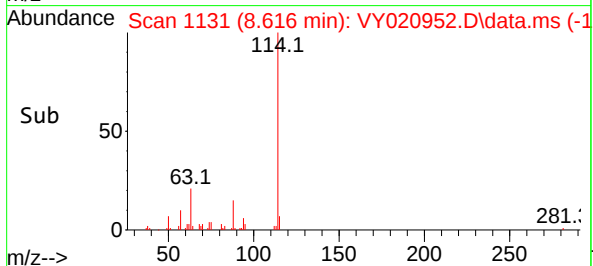
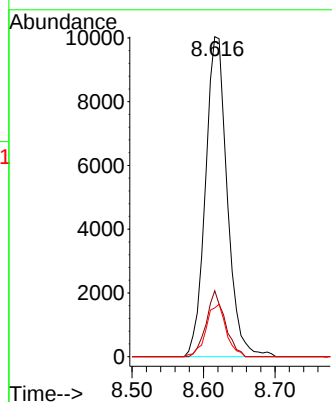
Tgt Ion:114 Resp: 21229

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

88 15.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 58.602 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.018 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

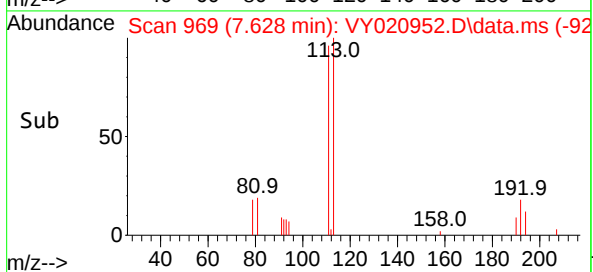
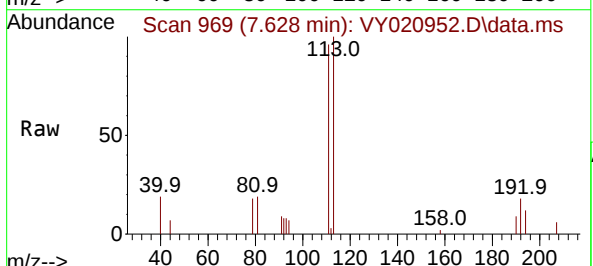
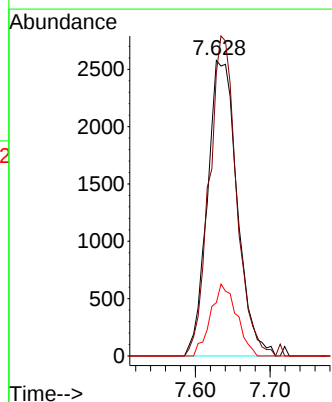
Tgt Ion:113 Resp: 7142

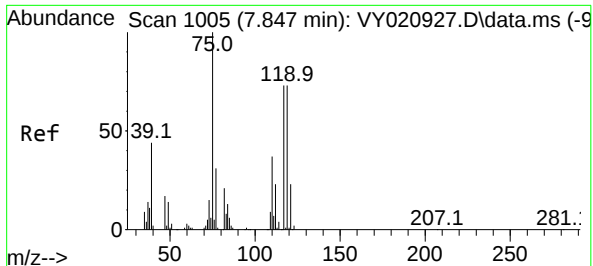
Ion Ratio Lower Upper

113 100

111 98.9 82.3 123.5

192 21.1 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.918 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.146 min

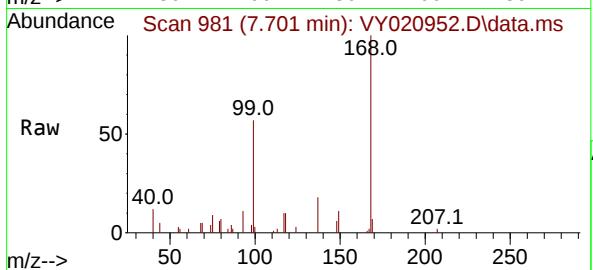
Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

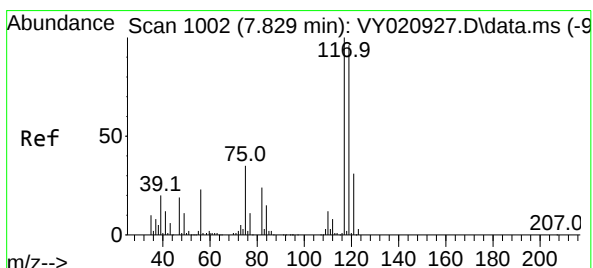
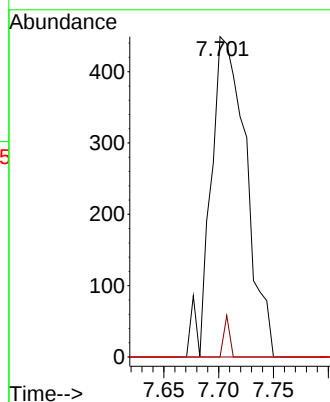
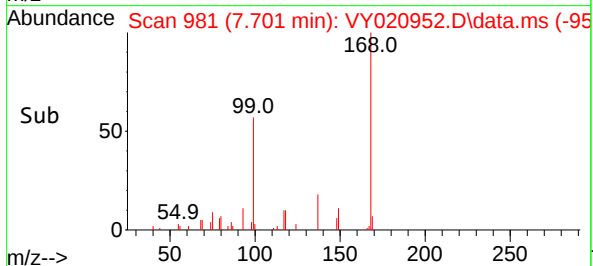
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 1007
Ion Ratio	Lower Upper
75	100
110	2.1 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.832 ug/l

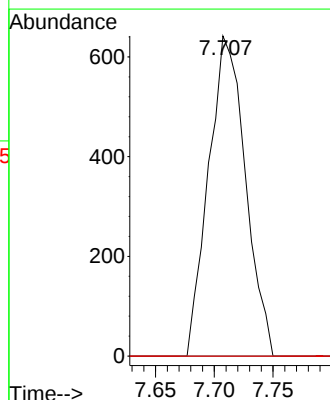
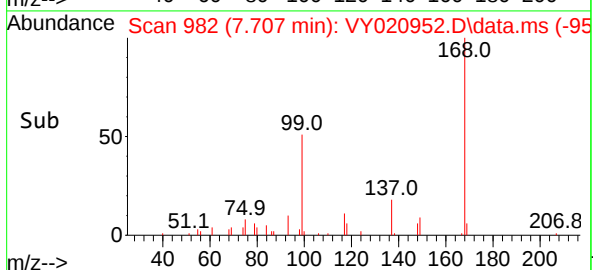
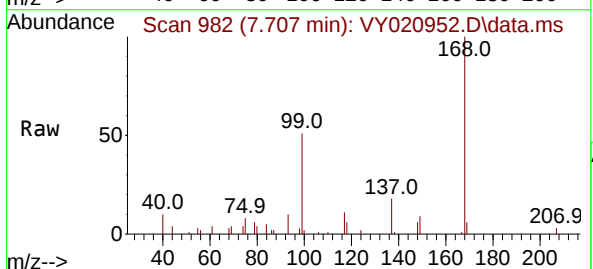
RT: 7.707 min Scan# 982

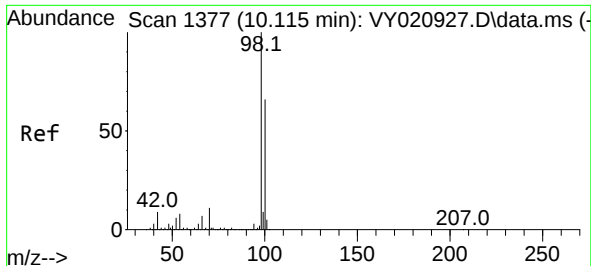
Delta R.T. -0.122 min

Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Tgt Ion: 117	Resp: 1402
Ion Ratio	Lower Upper
117	100
119	0.0 76.5 114.7#
121	0.0 25.0 37.4#

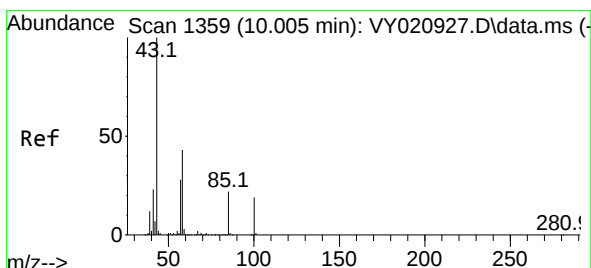
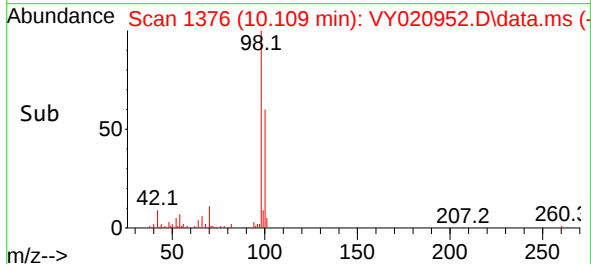
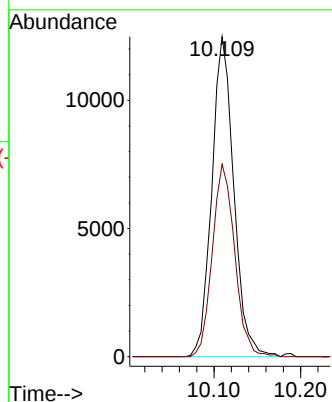
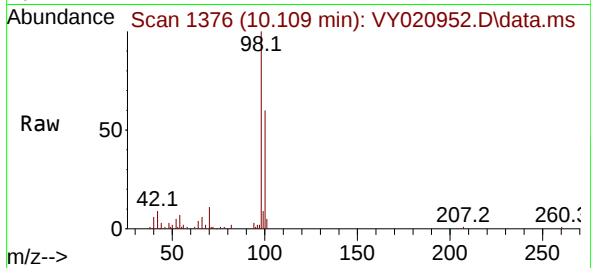




#50
Toluene-d8
Concen: 46.569 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

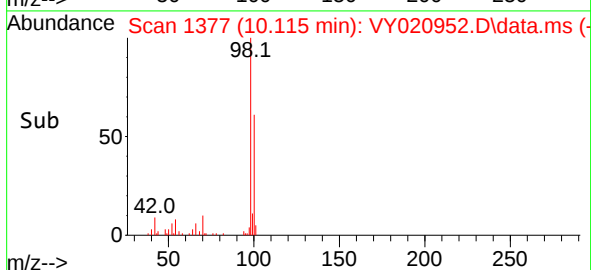
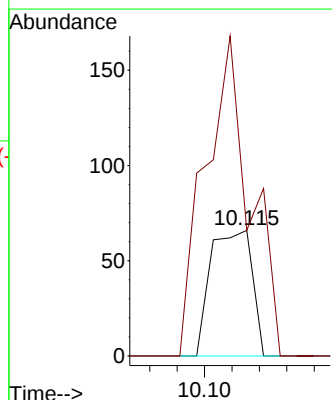
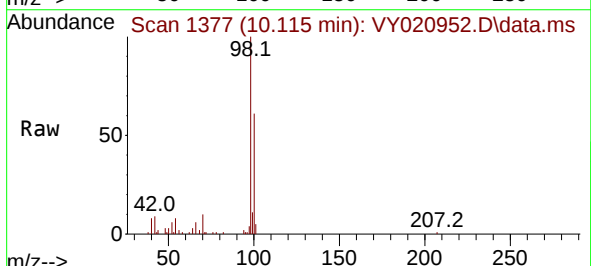
Instrument :
MSVOA_Y
ClientSampleId :

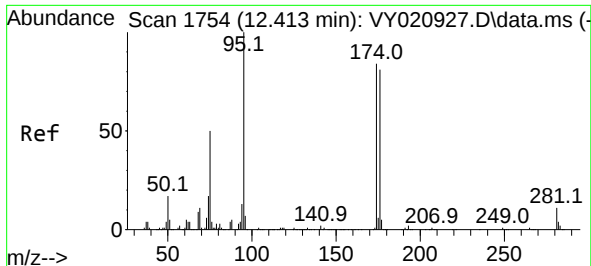
Tgt Ion: 98 Resp: 22014
Ion Ratio Lower Upper
98 100
100 61.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.093 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.110 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 276.8 33.7 50.5#

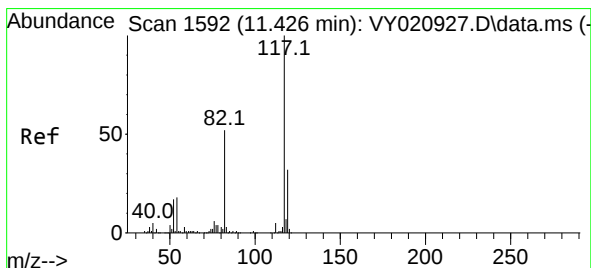
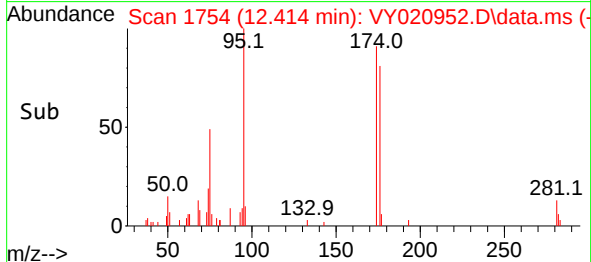
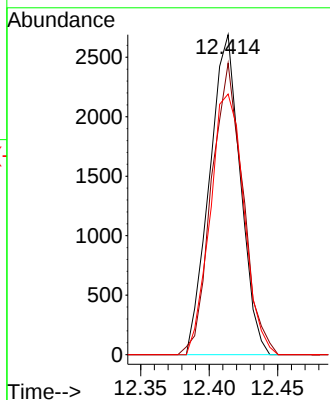
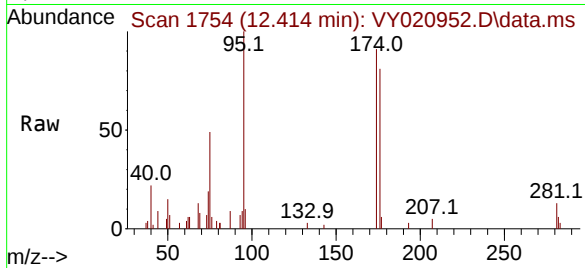




#62
4-Bromofluorobenzene
Concen: 26.849 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

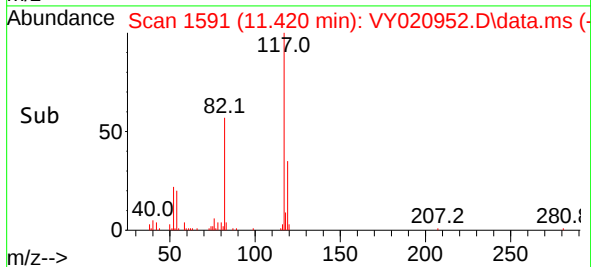
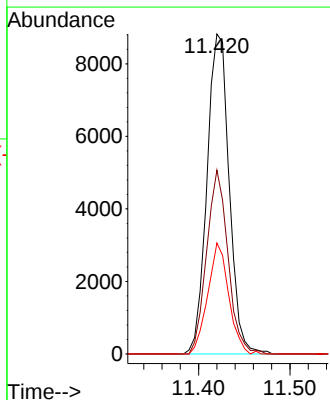
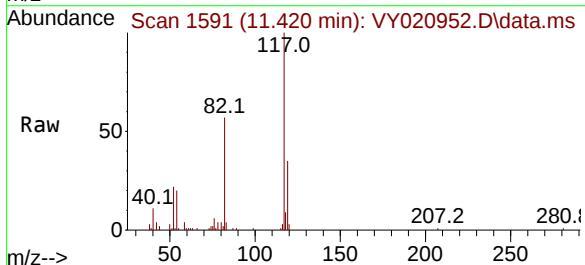
Instrument :
MSVOA_Y
ClientSampleId :

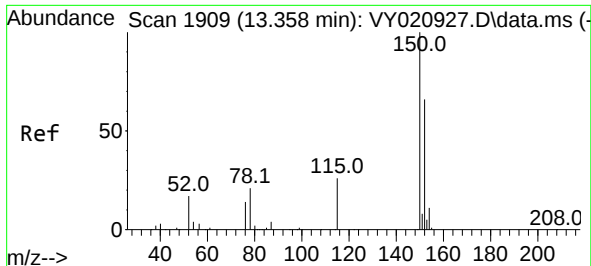
Tgt Ion: 95 Resp: 4224
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.4
176 88.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

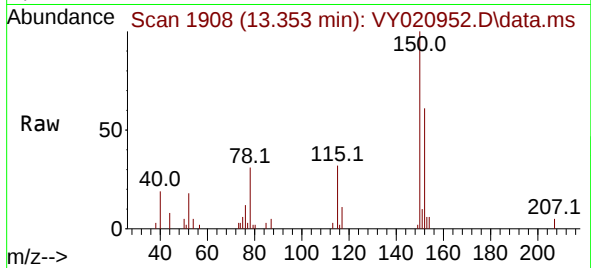
Tgt Ion: 117 Resp: 14886
Ion Ratio Lower Upper
117 100
82 57.4 41.8 62.8
119 34.6 26.0 39.0



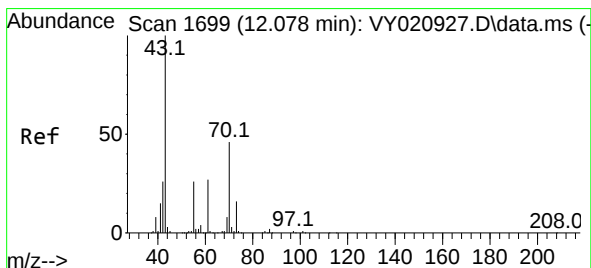
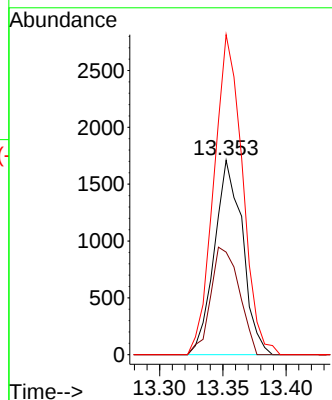
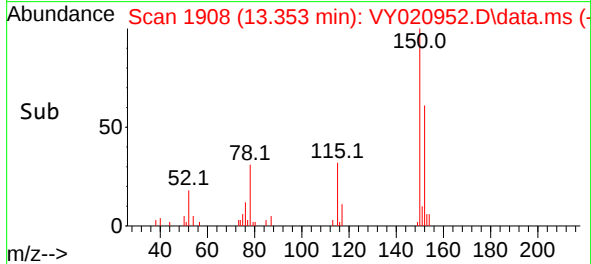


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1909
Delta R.T. -0.006 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

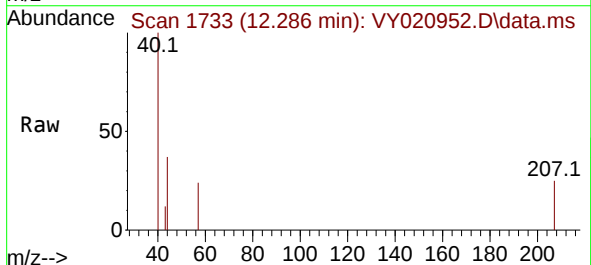
Instrument :
MSVOA_Y
ClientSampleId :



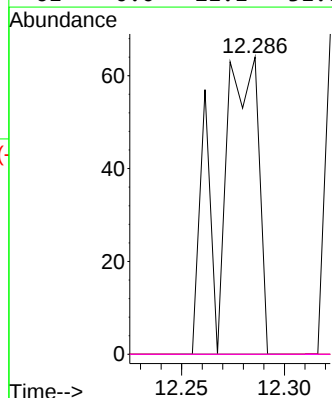
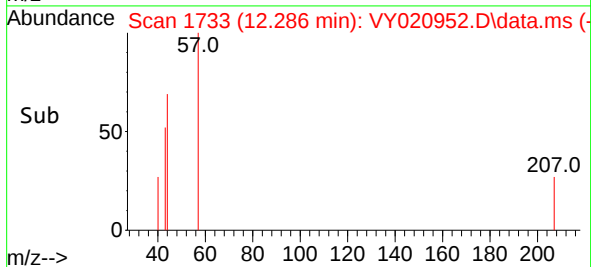
Tgt Ion:152 Resp: 2646
Ion Ratio Lower Upper
152 100
115 56.3 29.0 87.0
150 167.3 0.0 347.6

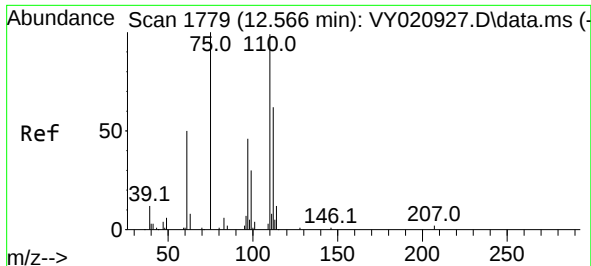


#74
N-ethyl acetate
Concen: 2.683 ug/l
RT: 12.286 min Scan# 1733
Delta R.T. 0.208 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49



Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
70 0.0 38.7 58.1#
55 0.0 21.6 32.4#
61 0.0 21.1 31.7#

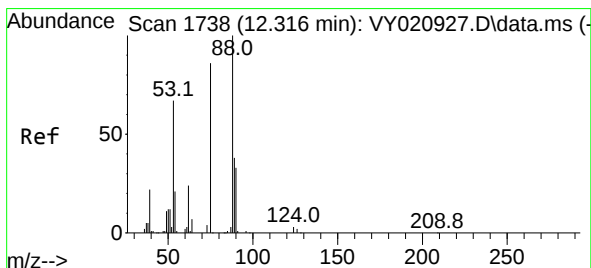
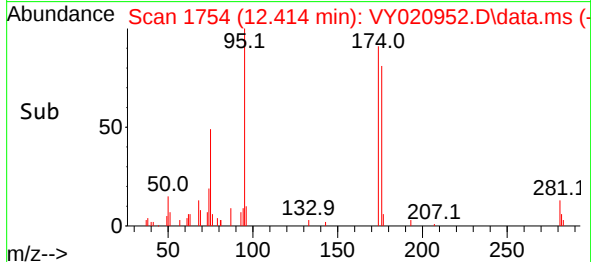
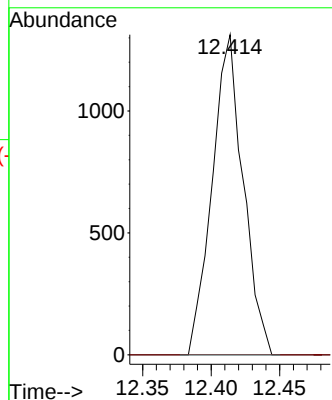
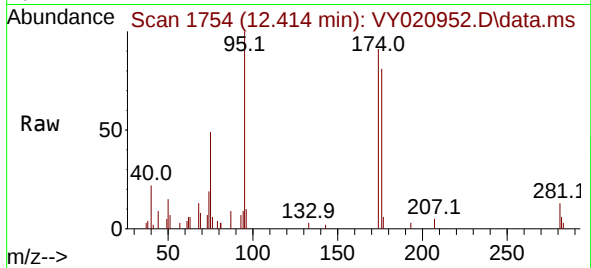




#76
1,2,3-Trichloropropane
Concen: 110.540 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.152 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

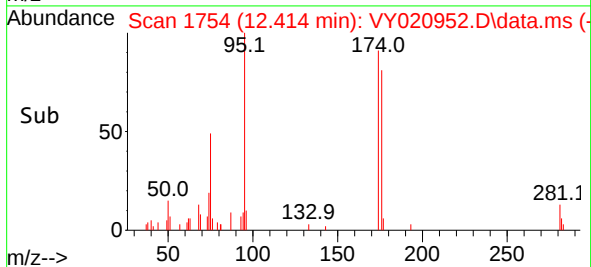
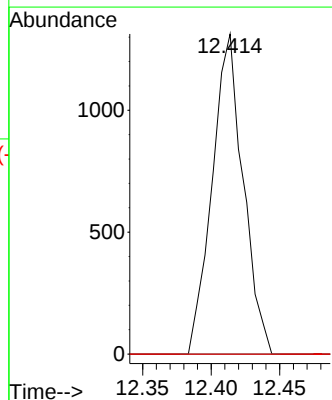
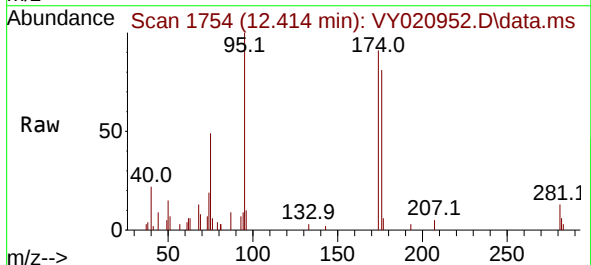
Instrument :
MSVOA_Y
ClientSampleId :

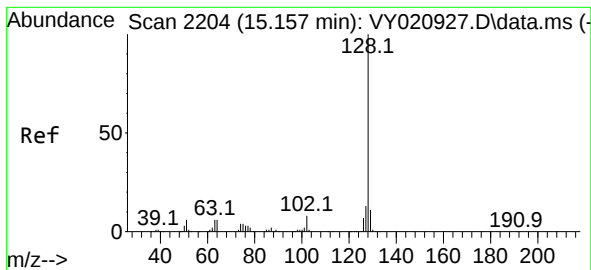
Tgt Ion: 75 Resp: 2068
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 213.561 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.098 min
Lab File: VY020952.D
Acq: 27 Jan 2025 16:49

Tgt Ion: 75 Resp: 2068
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 38.4 57.6#





#95

Naphthalene

Concen: 2.311 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.006 min

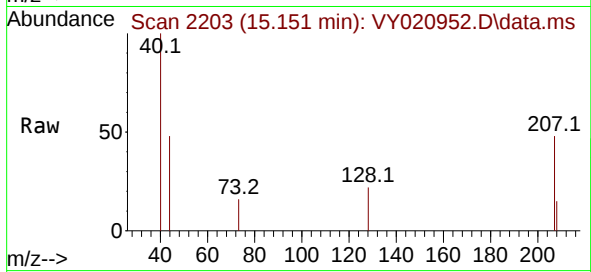
Lab File: VY020952.D

Acq: 27 Jan 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 158

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

