

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020899.D
 Acq On : 22 Jan 2025 15:20
 Operator : SY/MD
 Sample : Q1156-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 00:46:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

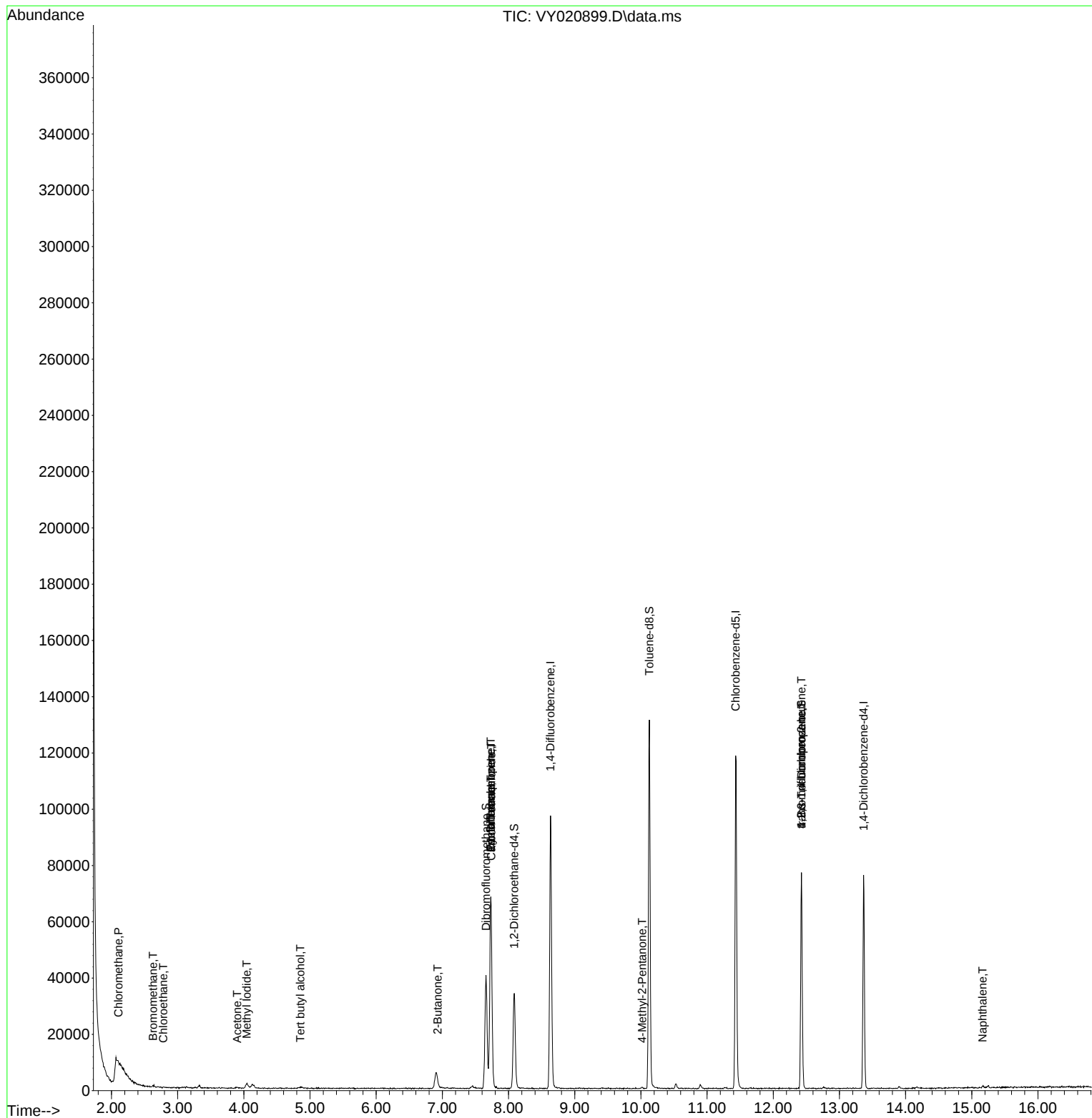
Internal Standards						
1) Pentafluorobenzene	7.731	168	57670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.634	114	86575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	70865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	21259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	28106	57.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.680%			
35) Dibromofluoromethane	7.658	113	29177	53.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.127	98	91100	48.182	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.426	95	23745	34.008	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 68.020%			
Target Compounds						Qvalue
3) Chloromethane	2.104	50	964	4.326	ug/l #	41
5) Bromomethane	2.629	94	247	1.400	ug/l #	64
6) Chloroethane	2.781	64	197	1.289	ug/l #	41
10) Methyl Iodide	4.043	142	3210	5.834	ug/l	91
11) Tert butyl alcohol	4.854	59	609	16.442	ug/l #	73
16) Acetone	3.897	43	523	7.503	ug/l #	82
25) 2-Butanone	6.927	43	140	1.223	ug/l #	45
31) Cyclohexane	7.731	56	957	1.342	ug/l #	1
36) 1,1-Dichloropropene	7.731	75	4244	6.135	ug/l #	48
38) Carbon Tetrachloride	7.738	117	5815	6.038	ug/l #	12
51) 4-Methyl-2-Pentanone	10.018	43	373	1.333	ug/l #	72
76) 1,2,3-Trichloropropane	12.426	75	11535	62.012	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.426	75	11535	130.755	ug/l #	14
95) Naphthalene	15.163	128	781	1.248	ug/l #	72

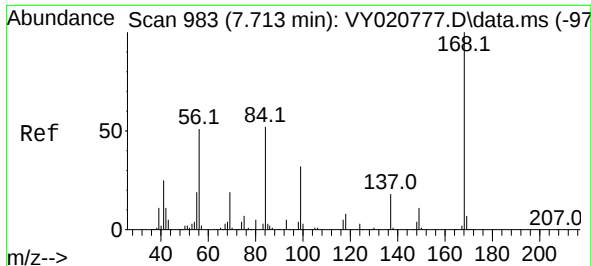
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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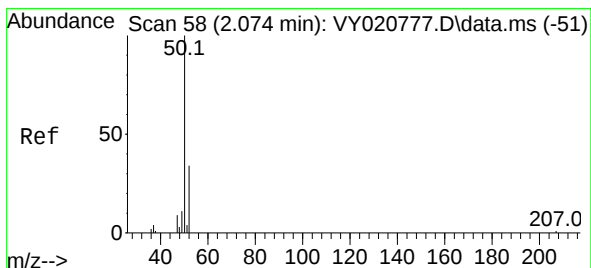
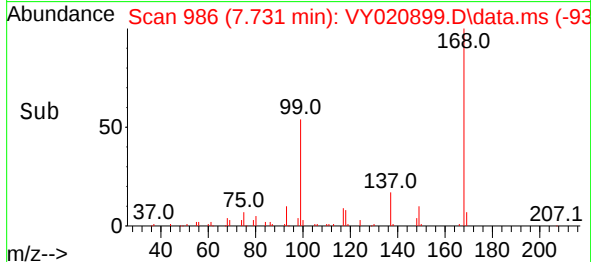
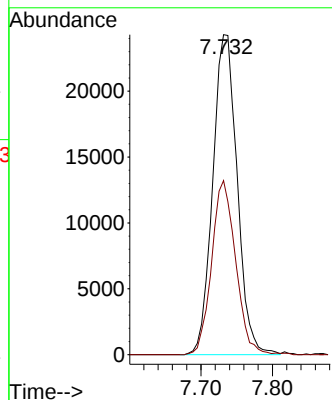
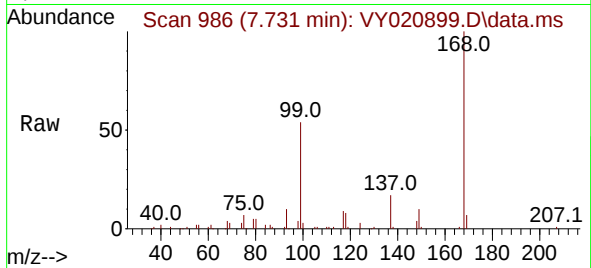




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.731 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

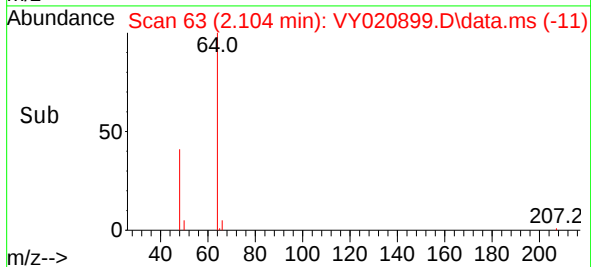
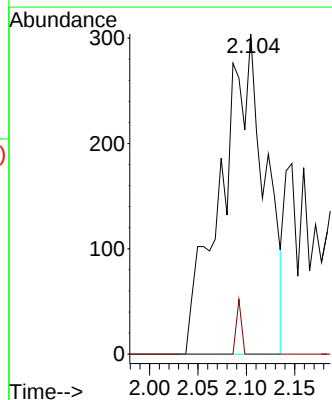
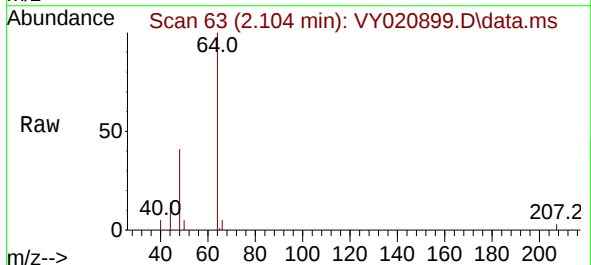
Instrument :
MSVOA_Y
ClientSampleId :

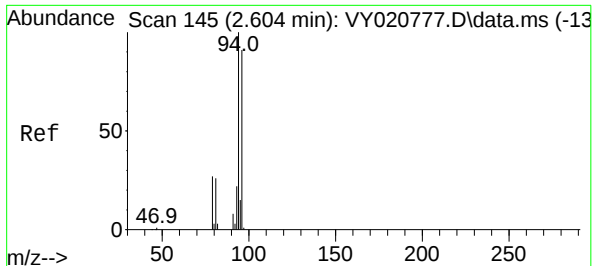
Tgt Ion:168 Resp: 57670
Ion Ratio Lower Upper
168 100
99 54.4 44.3 66.5



#3
Chloromethane
Concen: 4.326 ug/l
RT: 2.104 min Scan# 63
Delta R.T. 0.018 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Tgt Ion: 50 Resp: 964
Ion Ratio Lower Upper
50 100
52 0.0 27.3 40.9#

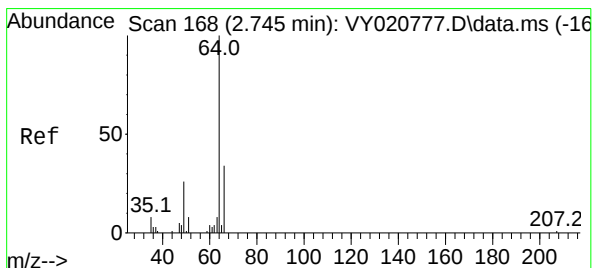
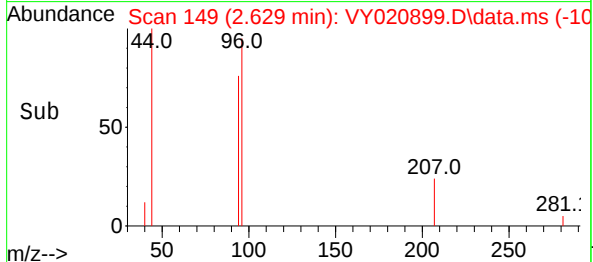
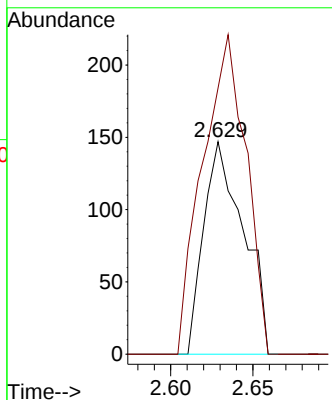
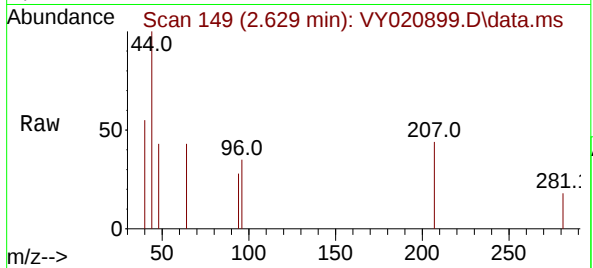




#5
Bromomethane
Concen: 1.400 ug/l
RT: 2.629 min Scan# 145
Delta R.T. 0.000 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

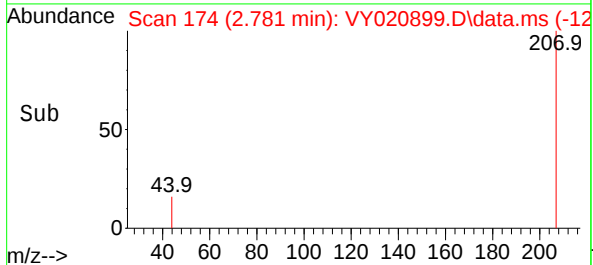
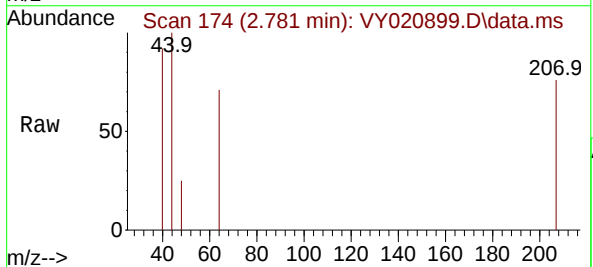
Instrument :
MSVOA_Y
ClientSampleId :

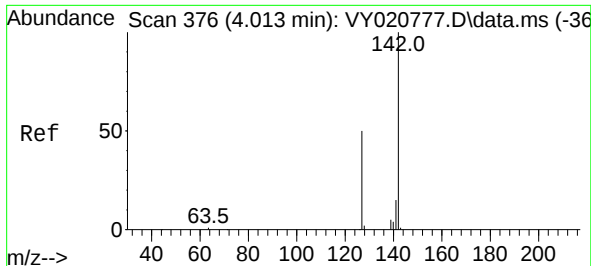
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 125.2 72.6 109.0#



#6
Chloroethane
Concen: 1.289 ug/l
RT: 2.781 min Scan# 174
Delta R.T. 0.018 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

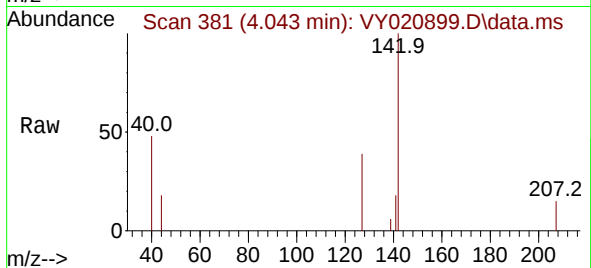
Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 26.9 40.3#





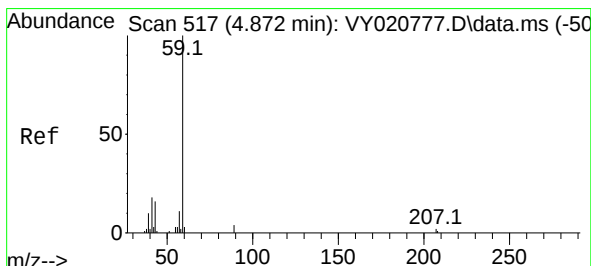
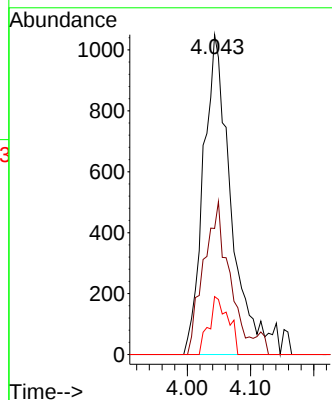
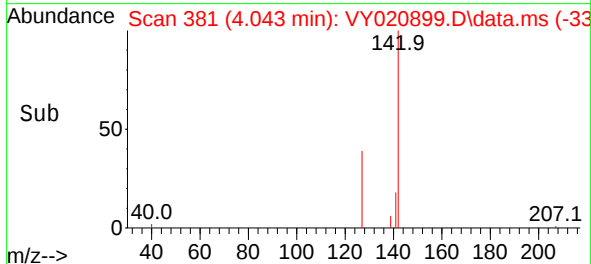
#10
Methyl Iodide
Concen: 5.834 ug/l
RT: 4.043 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:142 Resp: 3210

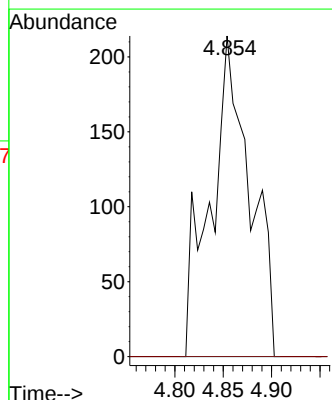
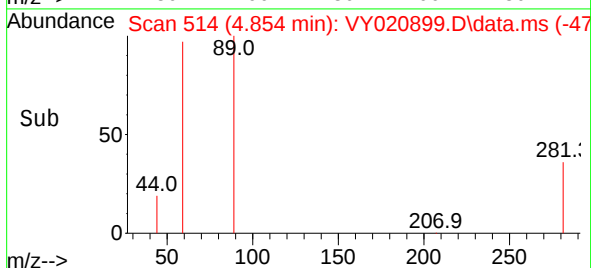
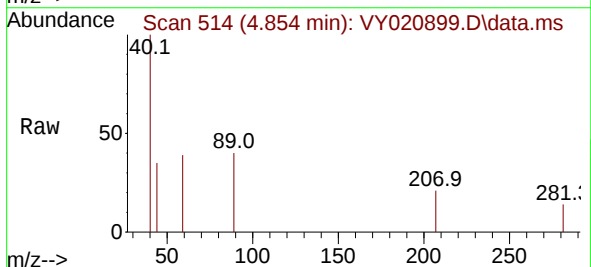
Ion	Ratio	Lower	Upper
142	100		
127	44.5	41.0	61.6
141	12.5	11.6	17.4

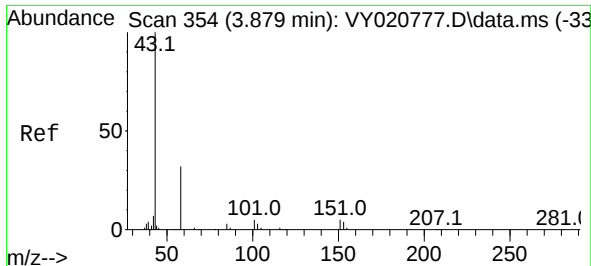


#11
Tert butyl alcohol
Concen: 16.442 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.073 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Tgt Ion: 59 Resp: 609

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#





#16

Acetone

Concen: 7.503 ug/l

RT: 3.897 min Scan# 31

Delta R.T. -0.018 min

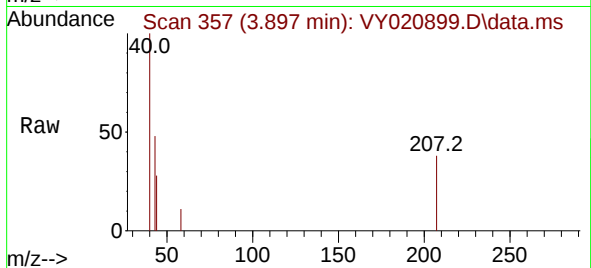
Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

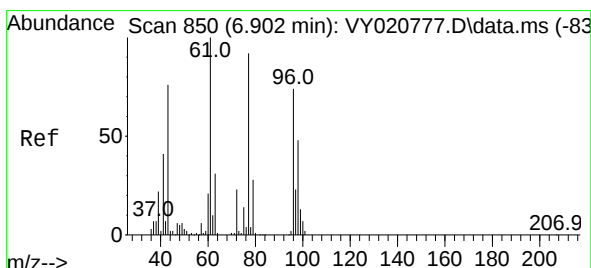
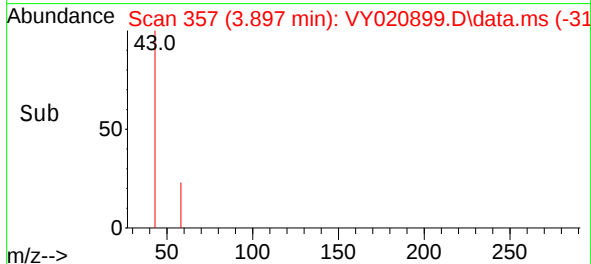
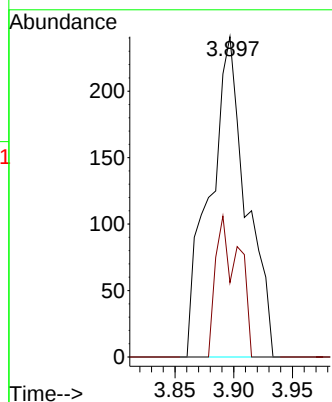


Tgt Ion: 43 Resp: 523

Ion Ratio Lower Upper

43 100

58 23.2 26.7 40.1#



#25

2-Butanone

Concen: 1.223 ug/l

RT: 6.927 min Scan# 854

Delta R.T. -0.006 min

Lab File: VY020899.D

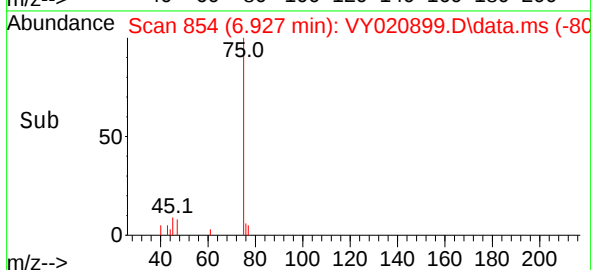
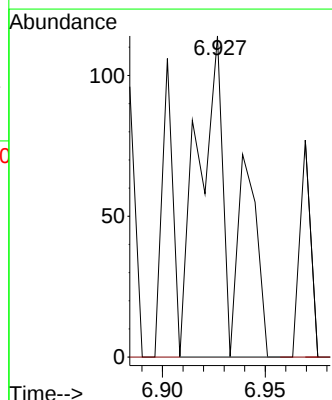
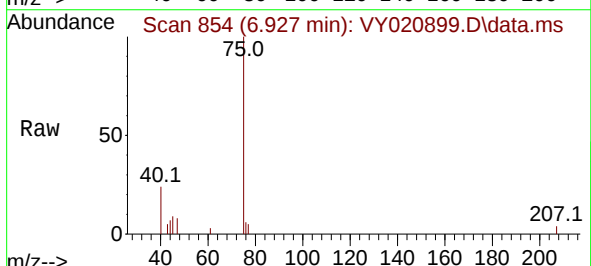
Acq: 22 Jan 2025 15:20

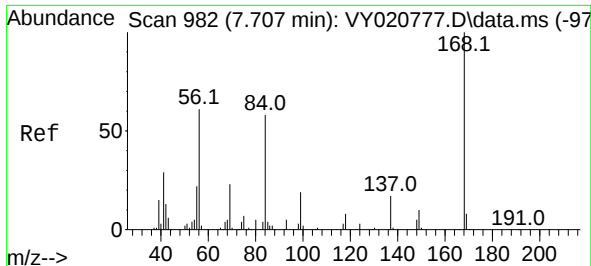
Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

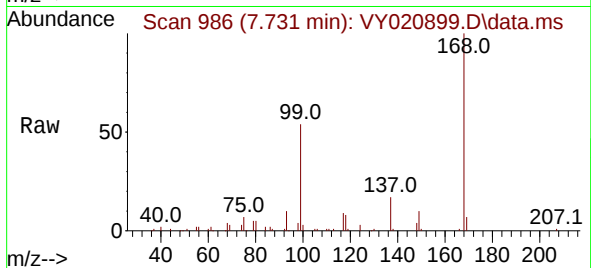
72 0.0 24.0 36.0#



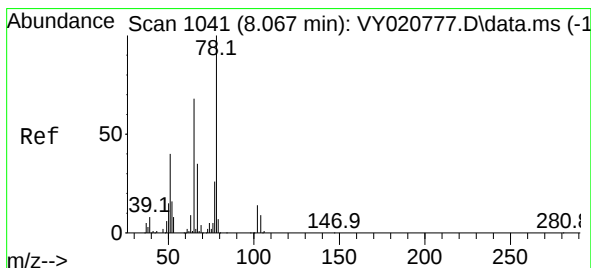
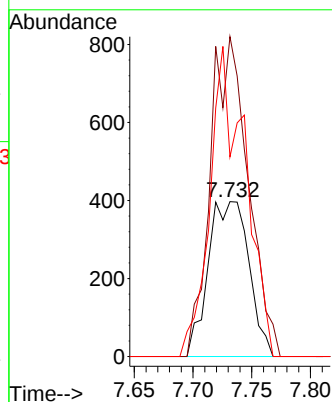
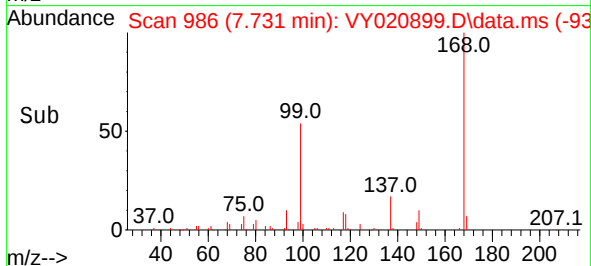


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.731 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :

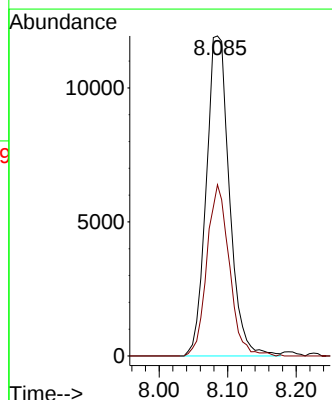
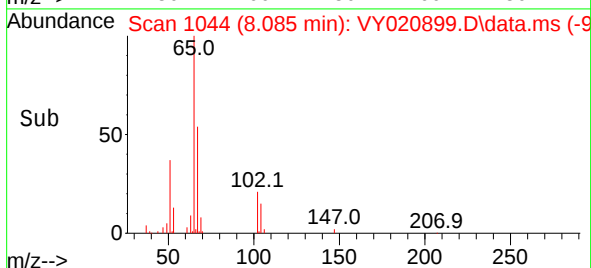
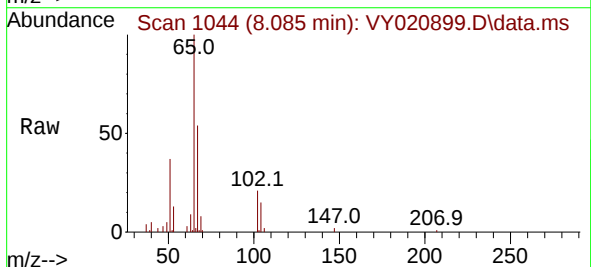


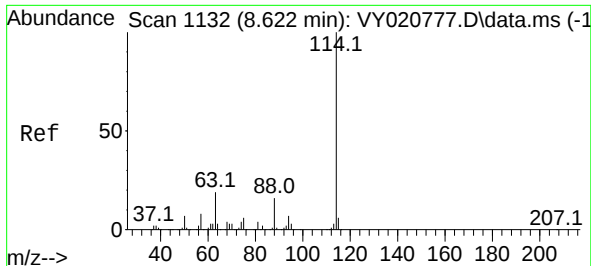
Tgt Ion: 56 Resp: 957
Ion Ratio Lower Upper
56 100
69 206.5 30.5 45.7#
84 129.0 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 57.339 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Tgt Ion: 65 Resp: 28106
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. -0.006 min

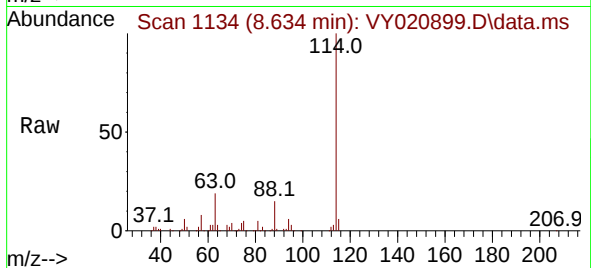
Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :



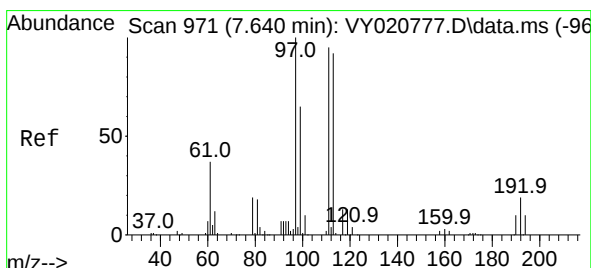
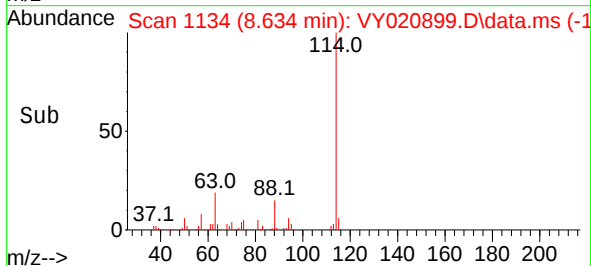
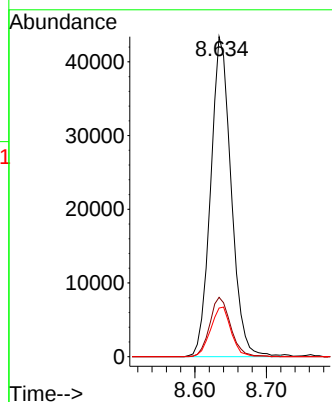
Tgt Ion:114 Resp: 86575

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 53.794 ug/l

RT: 7.658 min Scan# 974

Delta R.T. -0.006 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

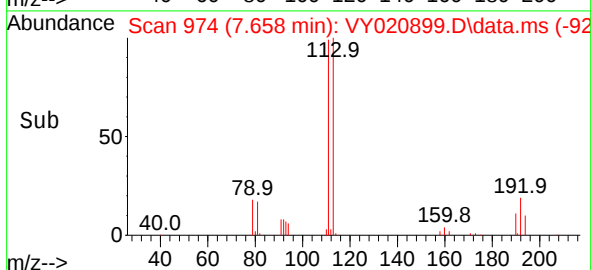
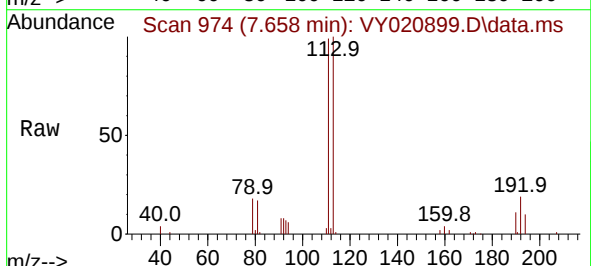
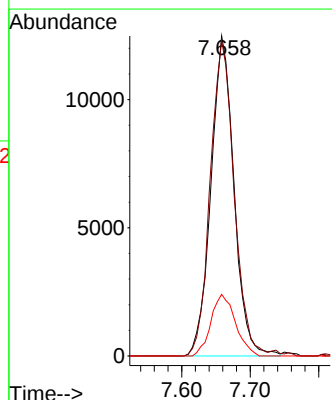
Tgt Ion:113 Resp: 29177

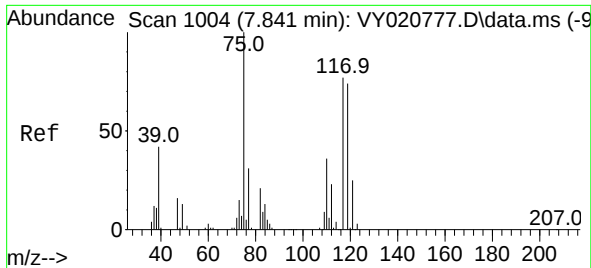
Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

192 20.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 6.135 ug/l

RT: 7.731 min Scan# 986

Delta R.T. -0.134 min

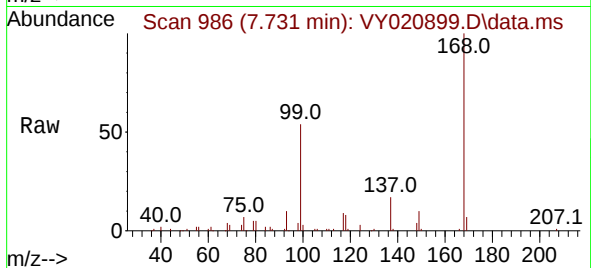
Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

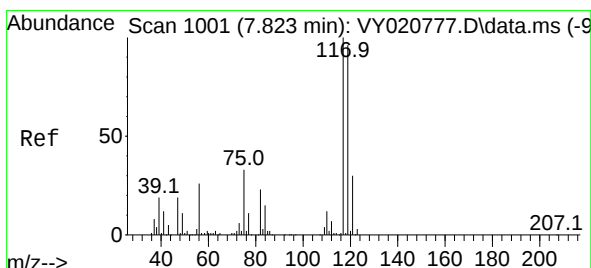
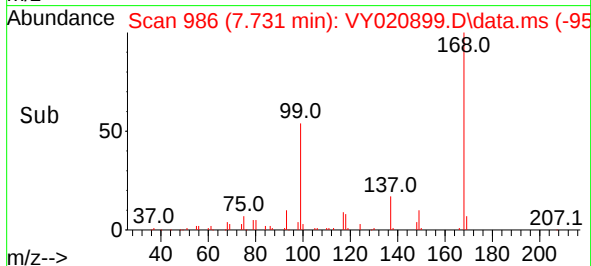
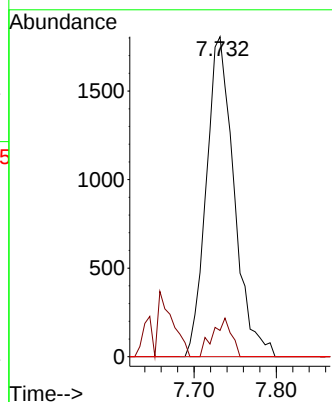
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 4244
Ion Ratio	Lower Upper
75	100
110	8.1 18.5 55.5#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

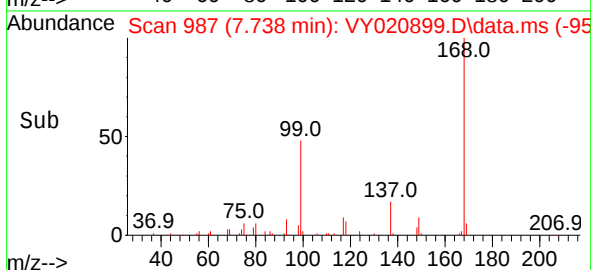
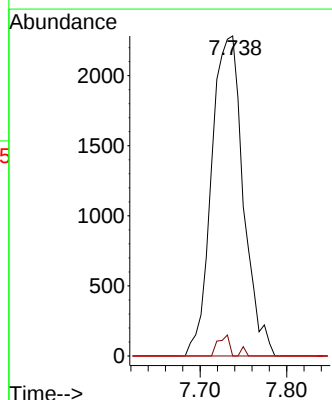
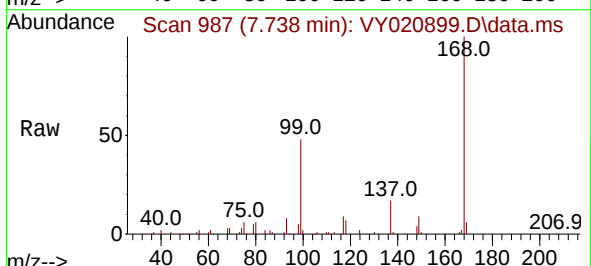
RT: 7.738 min Scan# 987

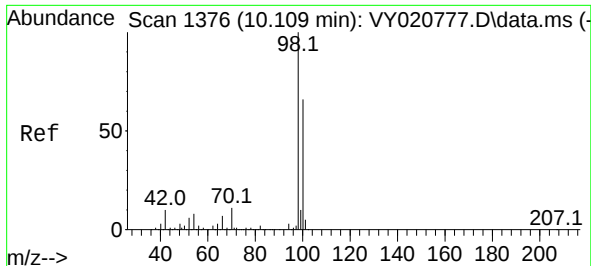
Delta R.T. -0.110 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Tgt Ion: 117	Resp: 5815
Ion Ratio	Lower Upper
117	100
119	0.0 76.5 114.7#
121	0.0 24.3 36.5#





#50

Toluene-d8

Concen: 48.182 ug/l

RT: 10.127 min Scan# 1379

Delta R.T. -0.006 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Instrument :

MSVOA_Y

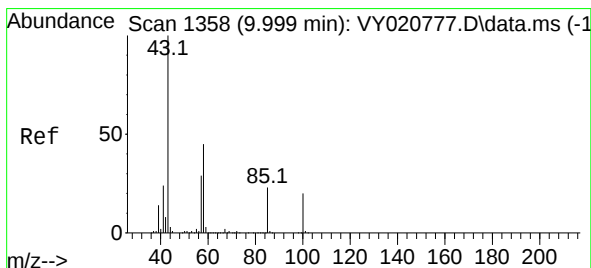
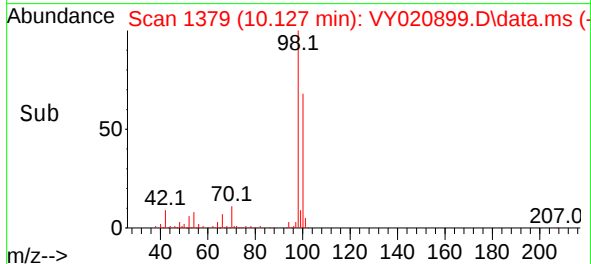
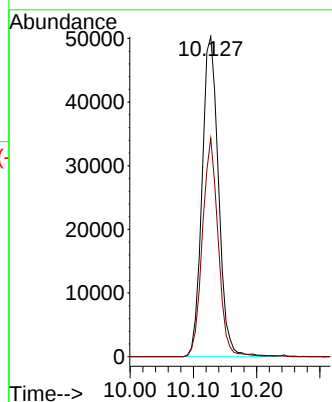
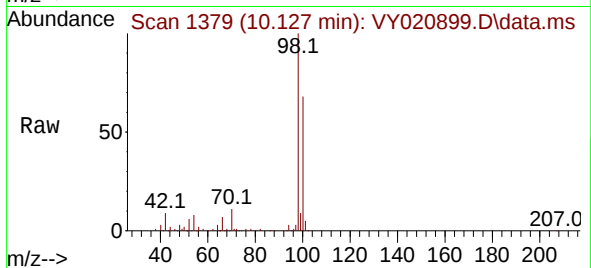
ClientSampleId :

Tgt Ion: 98 Resp: 91100

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.333 ug/l

RT: 10.018 min Scan# 1361

Delta R.T. 0.000 min

Lab File: VY020899.D

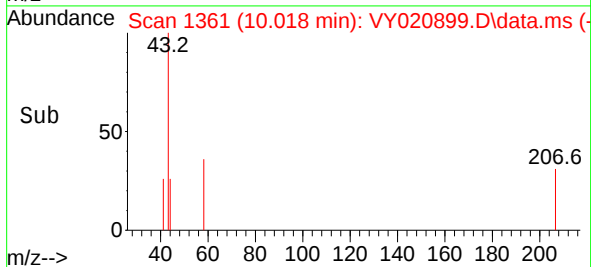
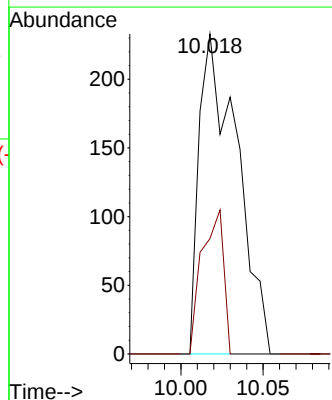
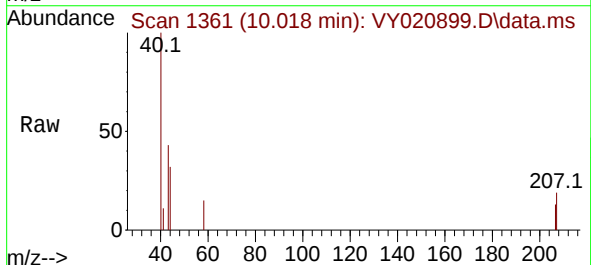
Acq: 22 Jan 2025 15:20

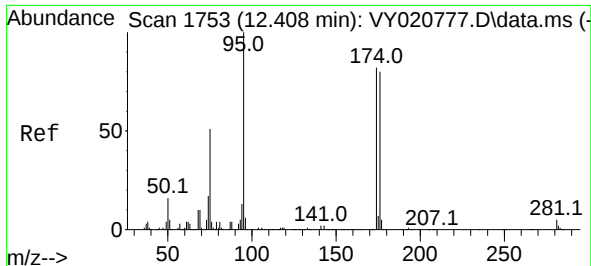
Tgt Ion: 43 Resp: 373

Ion Ratio Lower Upper

43 100

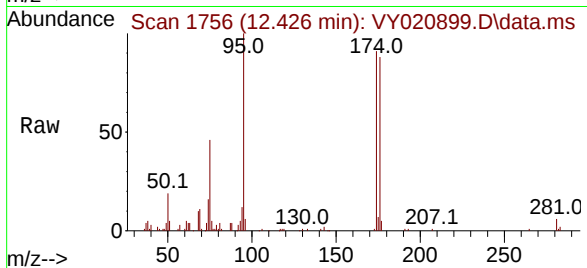
58 25.7 34.8 52.2#



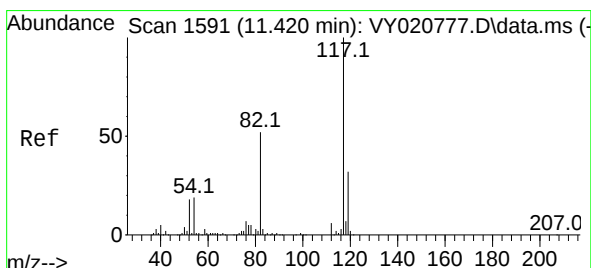
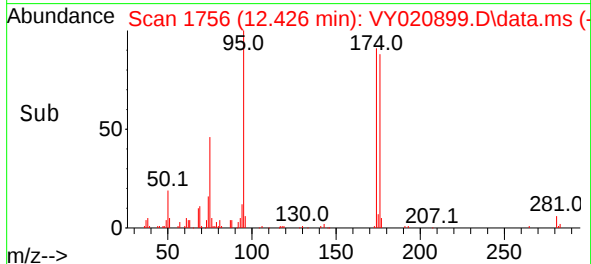
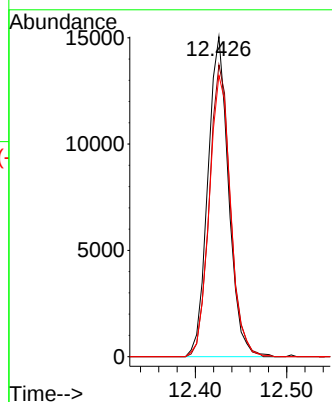


#62
4-Bromofluorobenzene
Concen: 34.008 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :

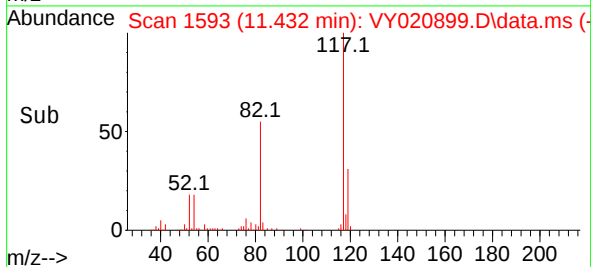
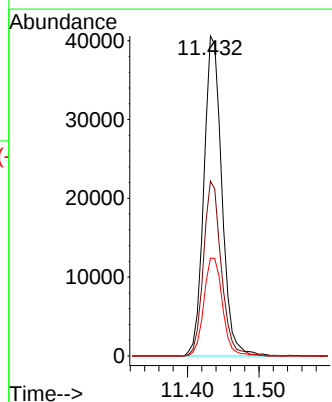
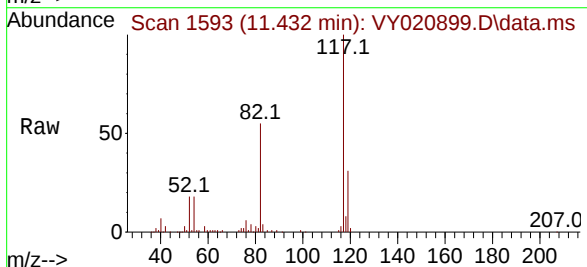


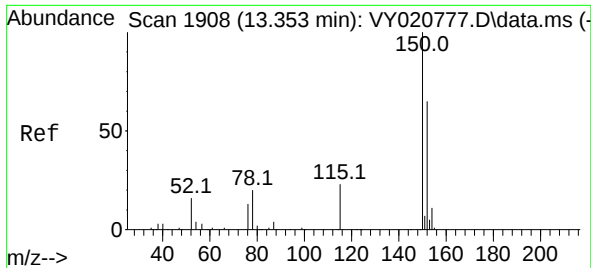
Tgt Ion: 95 Resp: 23745
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.0
176 90.7 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.432 min Scan# 1593
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

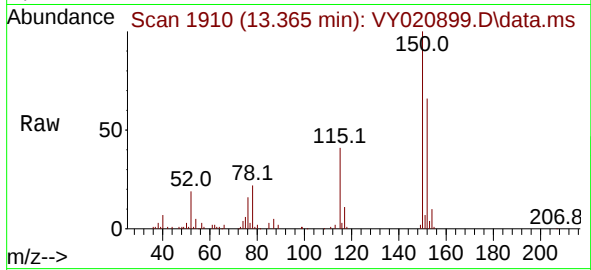
Tgt Ion: 117 Resp: 70865
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.6
119 30.6 25.8 38.8



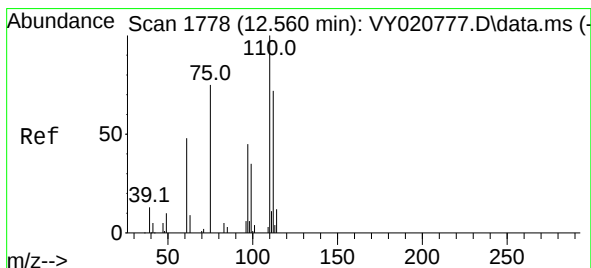
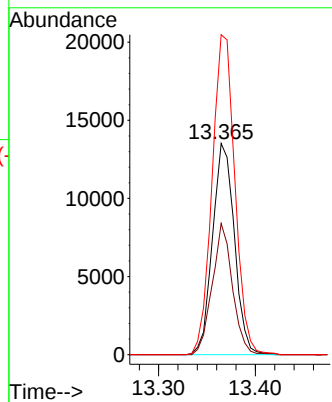
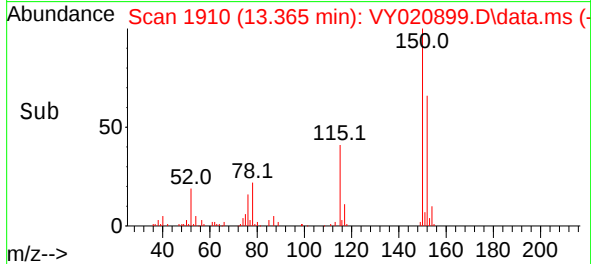


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :

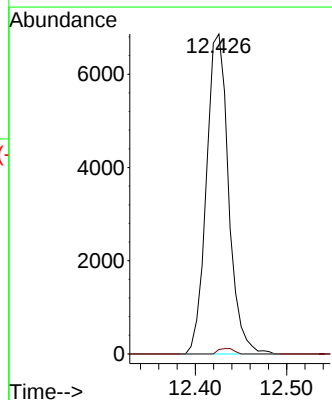
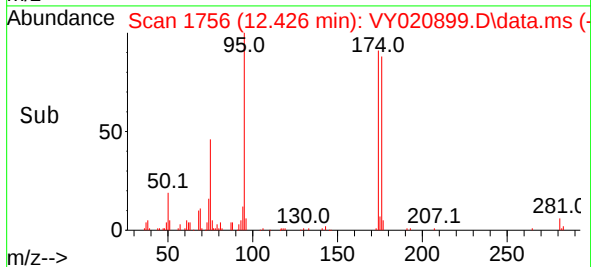
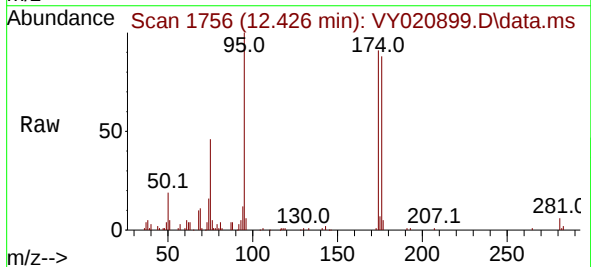


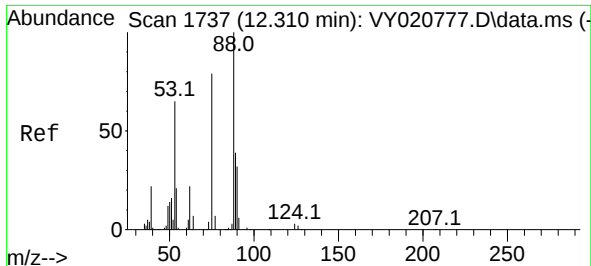
Tgt Ion:152 Resp: 21259
Ion Ratio Lower Upper
152 100
115 57.6 29.0 87.0
150 157.8 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 62.012 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. -0.152 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Tgt Ion: 75 Resp: 11535
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

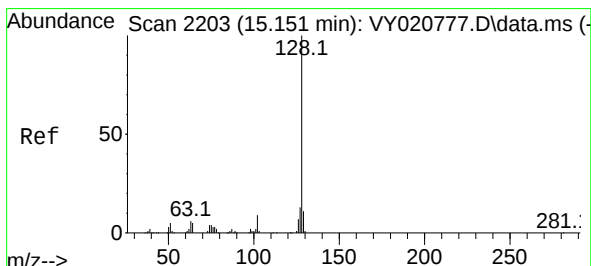
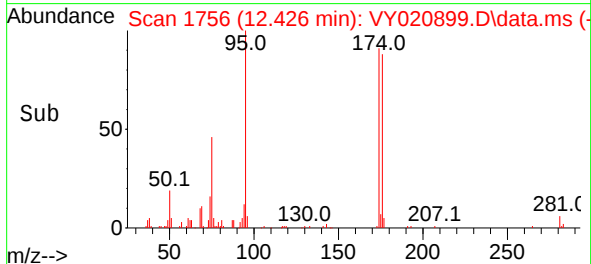
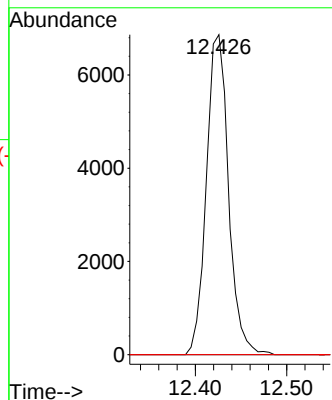
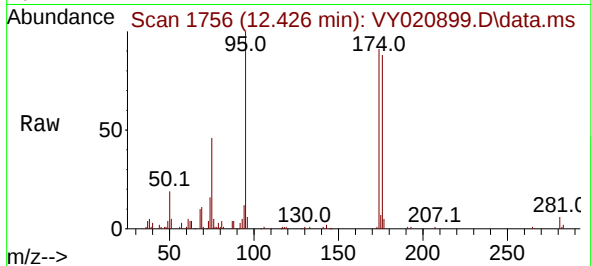




#81
trans-1,4-Dichloro-2-butene
Concen: 130.755 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.098 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 11535
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 1.248 ug/l
RT: 15.163 min Scan# 2205
Delta R.T. -0.006 min
Lab File: VY020899.D
Acq: 22 Jan 2025 15:20

Tgt Ion:128 Resp: 781
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 2.8 8.6 12.8#

