

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020896.D
 Acq On : 22 Jan 2025 12:12
 Operator : SY/MD
 Sample : Q1142-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 00:45:02 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	7.726	168	71534	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	106316	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.432	117	90476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	32727	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	35821	58.915	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.820%
35) Dibromofluoromethane	7.652	113	34309	51.510	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.020%
50) Toluene-d8	10.122	98	112579	48.486	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.420	95	33030	38.522	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	77.040%

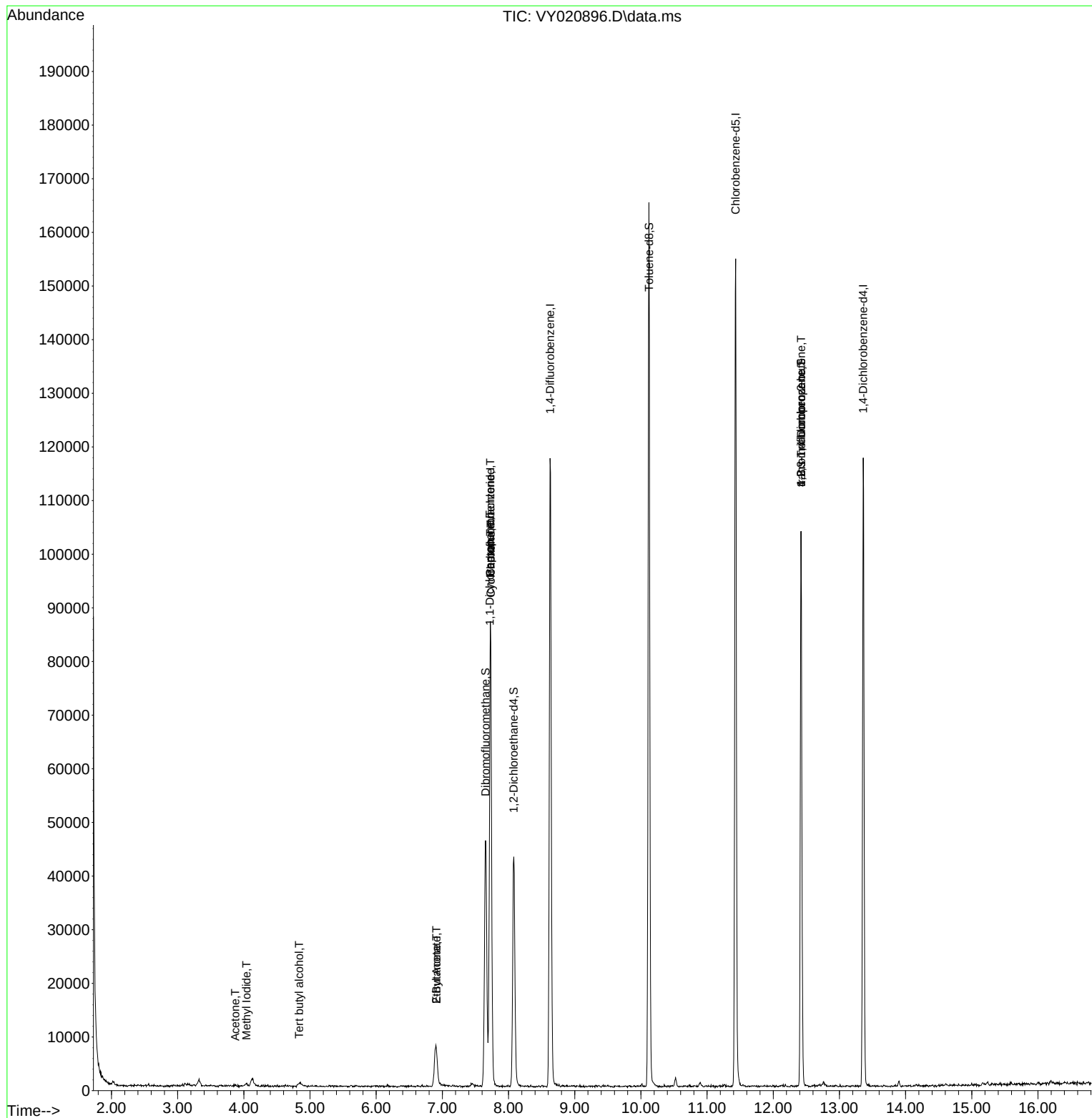
Target Compounds					Qvalue	
10) Methyl Iodide	4.037	142	890	1.304	ug/l #	89
11) Tert butyl alcohol	4.836	59	398	8.663	ug/l #	73
16) Acetone	3.873	43	280	3.238	ug/l #	41
25) 2-Butanone	6.909	43	342	2.408	ug/l #	45
31) Cyclohexane	7.732	56	1142	1.291	ug/l #	26
36) 1,1-Dichloropropene	7.720	75	4866	5.728	ug/l #	51
37) Ethyl Acetate	6.909	43	342	1.012	ug/l #	1
38) Carbon Tetrachloride	7.726	117	6735	5.695	ug/l #	15
76) 1,2,3-Trichloropropane	12.420	75	16468	57.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	16468	121.260	ug/l #	14

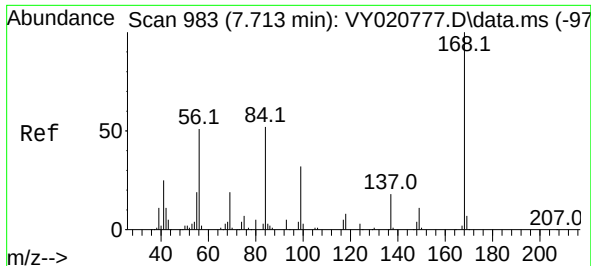
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY012225\
Data File : VY020896.D
Acq On : 22 Jan 2025 12:12
Operator : SY/MD
Sample : Q1142-02
Misc : 5.01g/5.0mL/MSV0A_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

Quant Time: Jan 23 00:45:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 00:38:42 2025
Response via : Initial Calibration

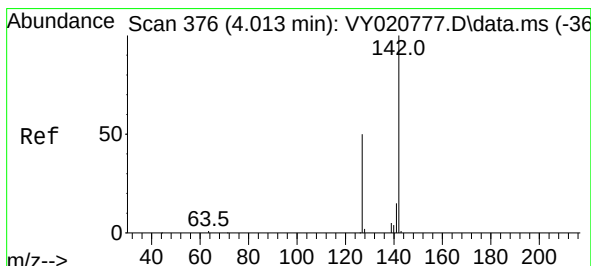
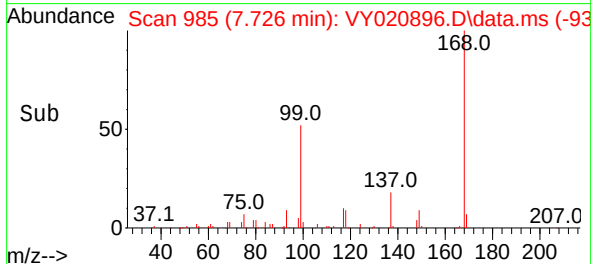
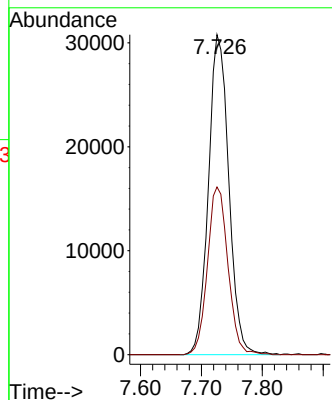
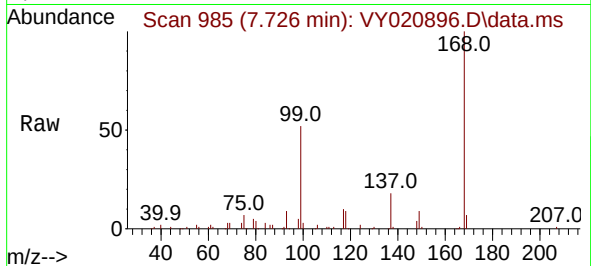




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.011 min
Lab File: VY020896.D
Acq: 22 Jan 2025 12:12

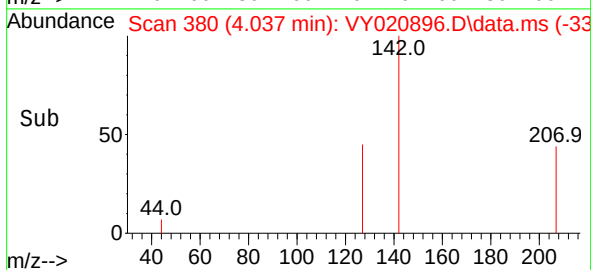
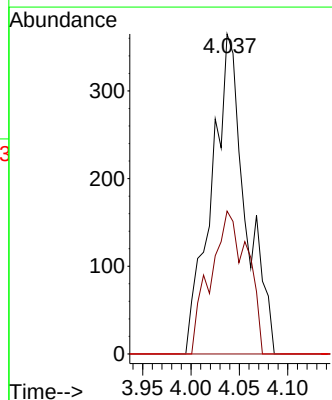
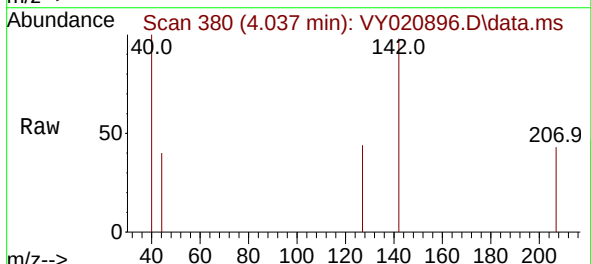
Instrument :
MSVOA_Y
ClientSampleId :

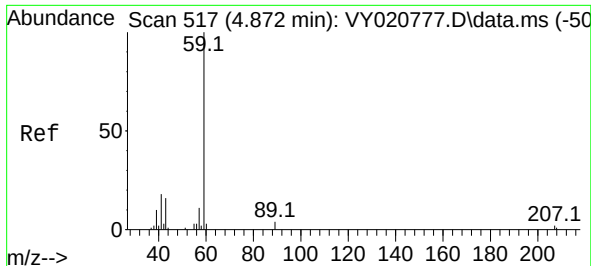
Tgt Ion:168 Resp: 71534
Ion Ratio Lower Upper
168 100
99 52.4 44.3 66.5



#10
Methyl Iodide
Concen: 1.304 ug/l
RT: 4.037 min Scan# 380
Delta R.T. -0.006 min
Lab File: VY020896.D
Acq: 22 Jan 2025 12:12

Tgt Ion:142 Resp: 890
Ion Ratio Lower Upper
142 100
127 48.7 41.0 61.6
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 8.663 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.091 min

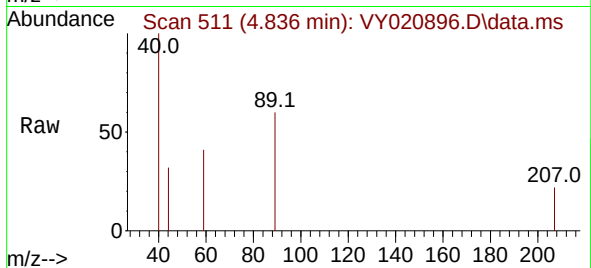
Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

ClientSampleId :

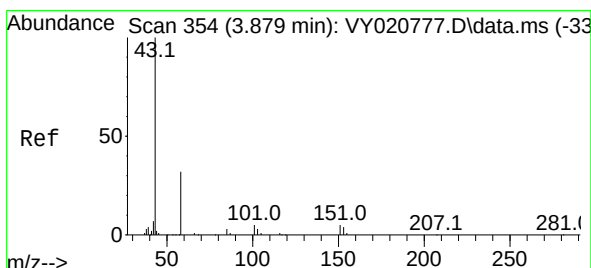
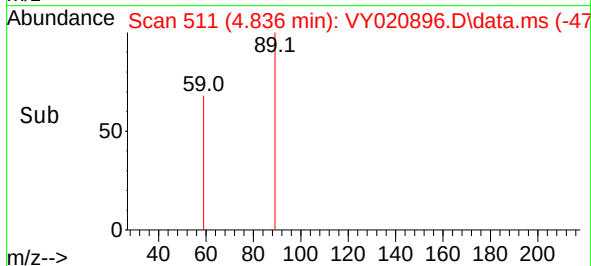
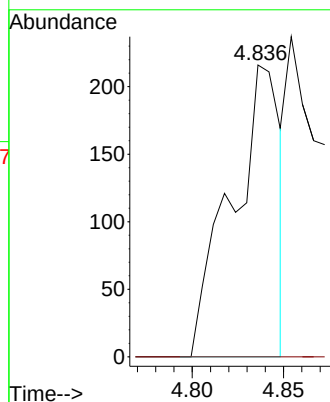


Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 3.238 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.042 min

Lab File: VY020896.D

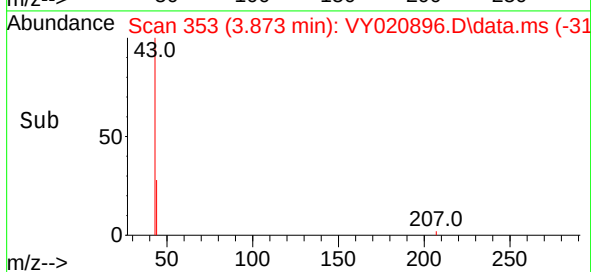
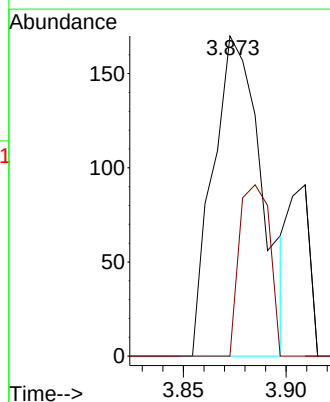
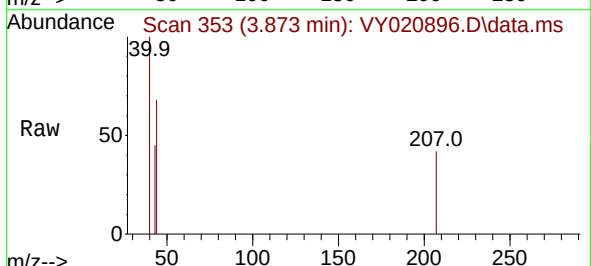
Acq: 22 Jan 2025 12:12

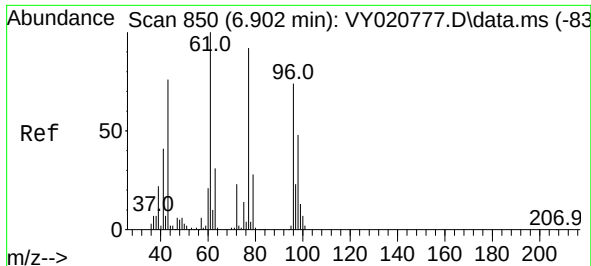
Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#





#25

2-Butanone

Concen: 2.408 ug/l

RT: 6.909 min Scan# 851

Delta R.T. -0.024 min

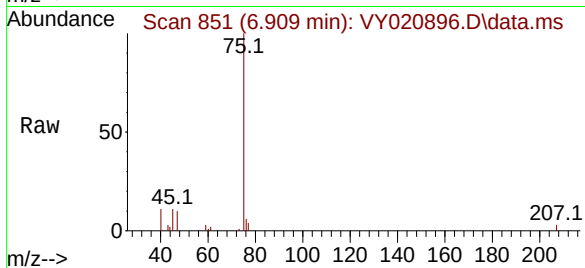
Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

ClientSampleId :

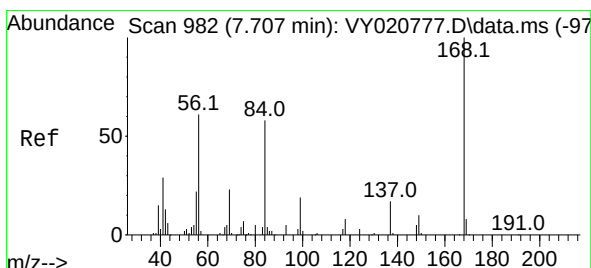
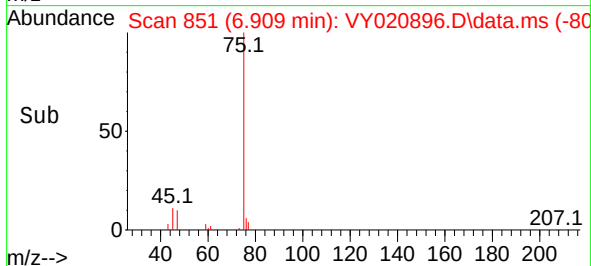
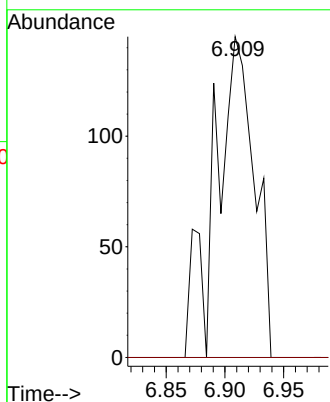


Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

72 0.0 24.0 36.0#



#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.732 min Scan# 986

Delta R.T. -0.006 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

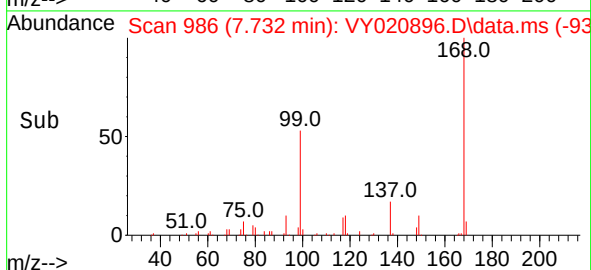
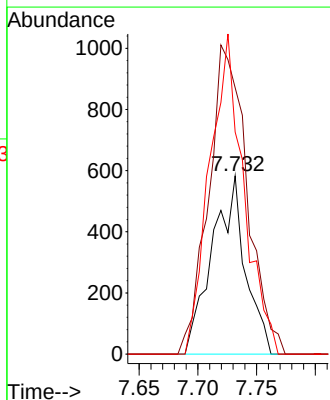
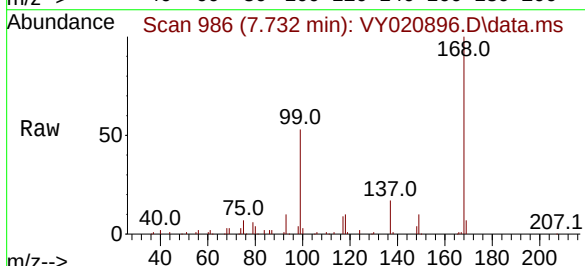
Tgt Ion: 56 Resp: 1142

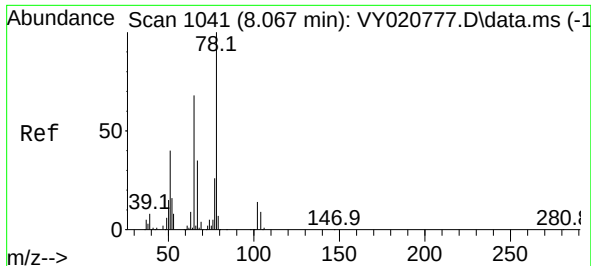
Ion Ratio Lower Upper

56 100

69 149.4 30.5 45.7#

84 124.5 76.6 115.0#

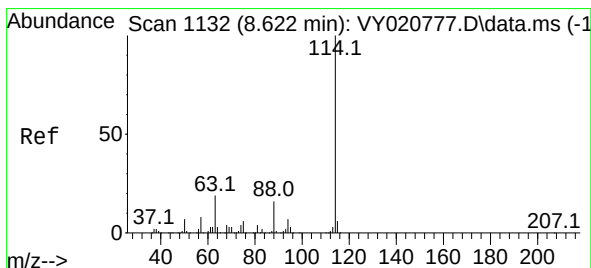
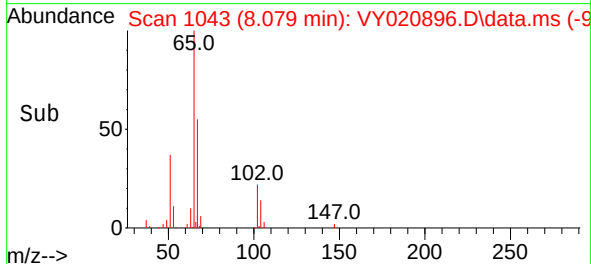
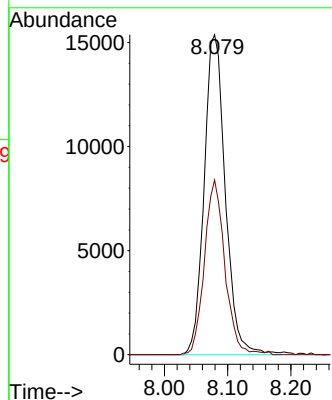
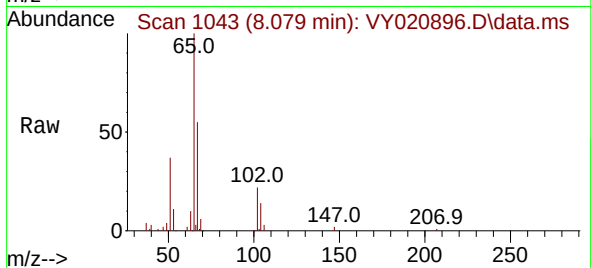




#33
1,2-Dichloroethane-d4
Concen: 58.915 ug/l
RT: 8.079 min Scan# 1104
Delta R.T. -0.012 min
Lab File: VY020896.D
Acq: 22 Jan 2025 12:12

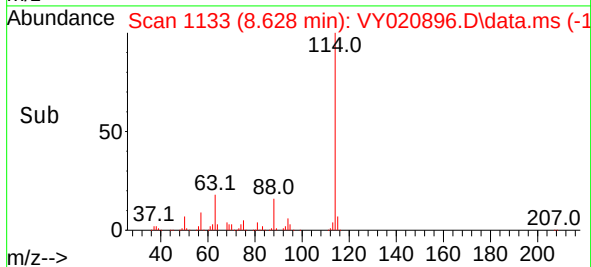
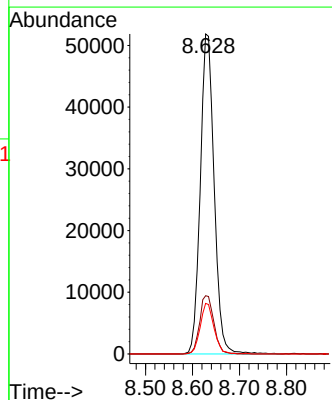
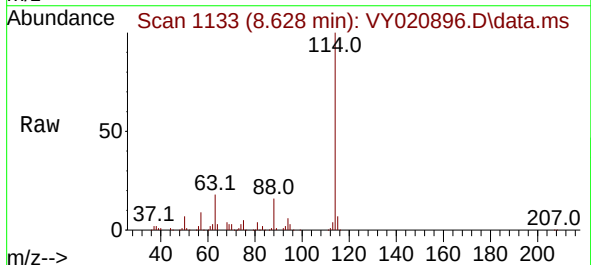
Instrument :
MSVOA_Y
ClientSampleId :

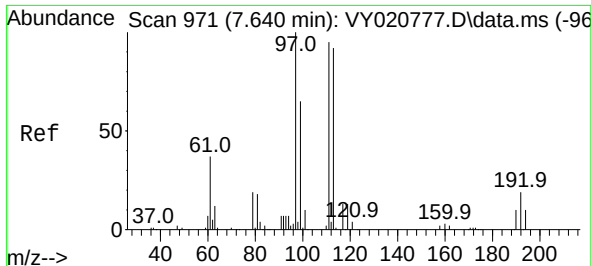
Tgt Ion: 65 Resp: 35821
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. -0.012 min
Lab File: VY020896.D
Acq: 22 Jan 2025 12:12

Tgt Ion:114 Resp: 106316
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.510 ug/l

RT: 7.652 min Scan# 91

Delta R.T. -0.012 min

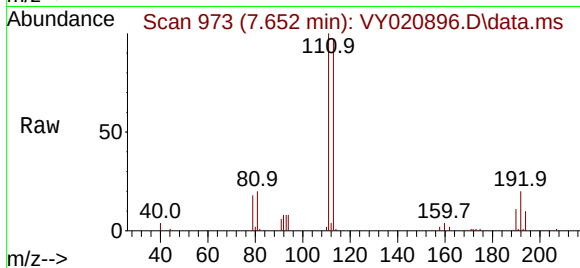
Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

ClientSampleId :



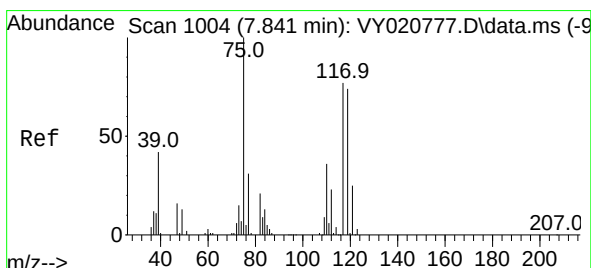
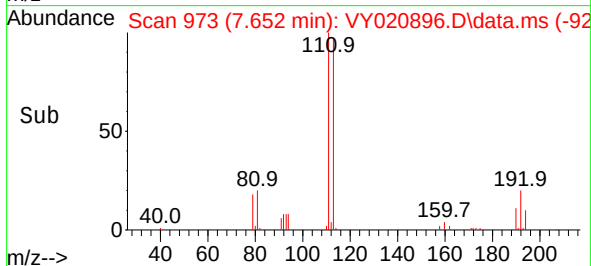
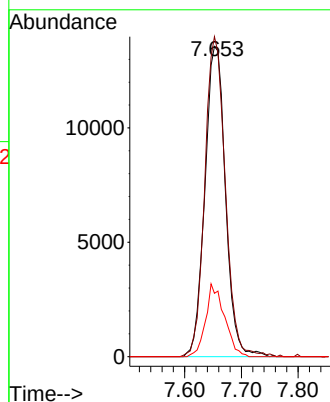
Tgt Ion:113 Resp: 34309

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

192 21.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.728 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.146 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

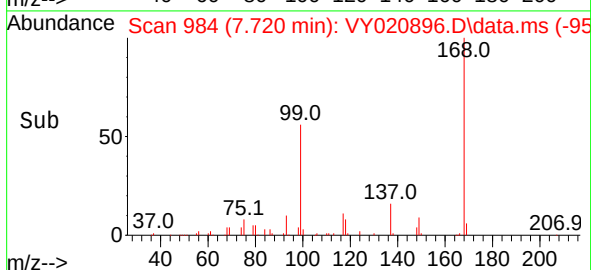
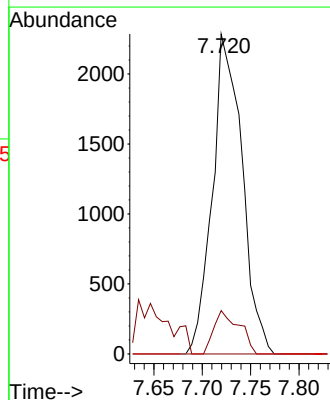
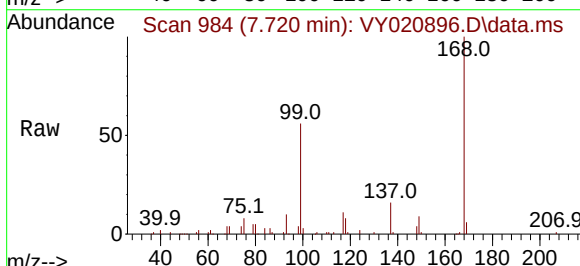
Tgt Ion: 75 Resp: 4866

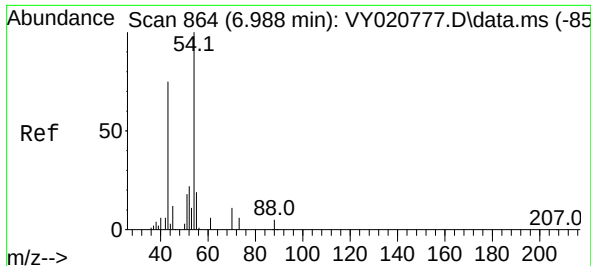
Ion Ratio Lower Upper

75 100

110 11.7 18.5 55.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.012 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.109 min

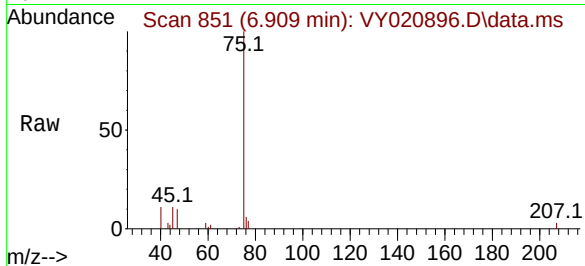
Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

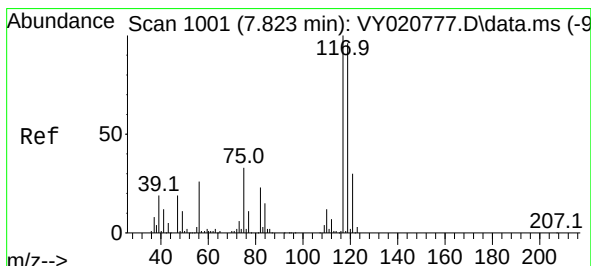
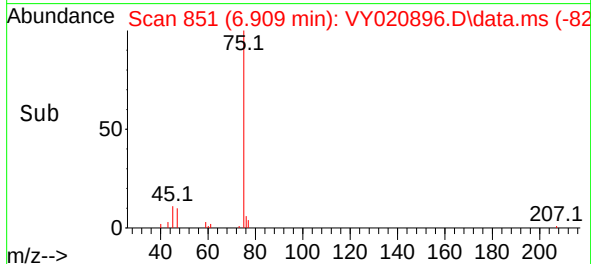
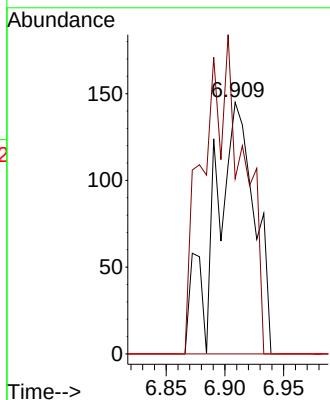
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	342
Ion	Ratio	Lower	Upper
43	100		
61	129.5	11.8	17.6#
70	0.0	9.8	14.8#



#38

Carbon Tetrachloride

Concen: 5.695 ug/l

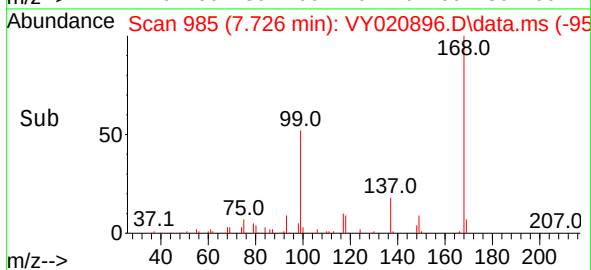
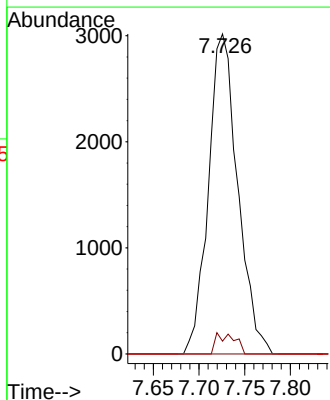
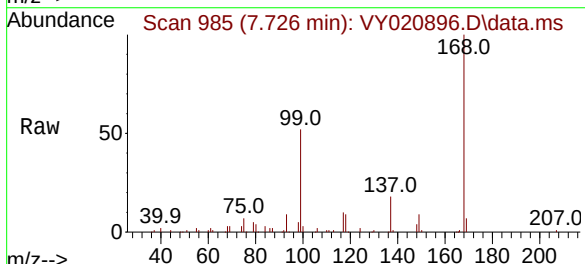
RT: 7.726 min Scan# 985

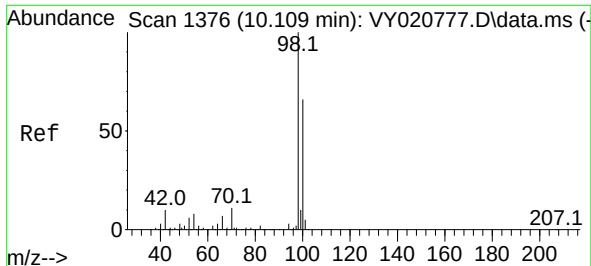
Delta R.T. -0.122 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Tgt Ion:	117	Resp:	6735
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.5	114.7#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 48.486 ug/l

RT: 10.122 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

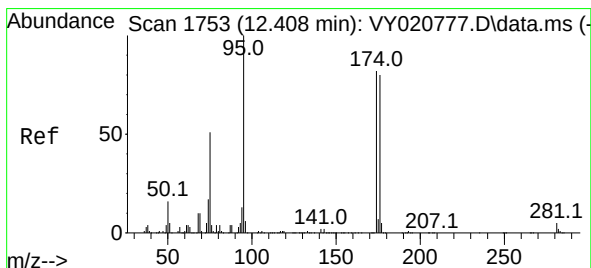
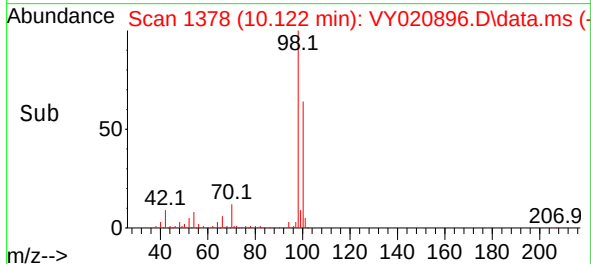
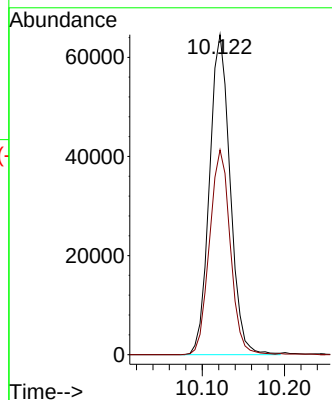
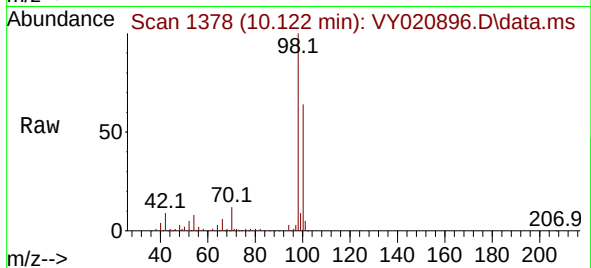
ClientSampleId :

Tgt Ion: 98 Resp: 112579

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 38.522 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.006 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

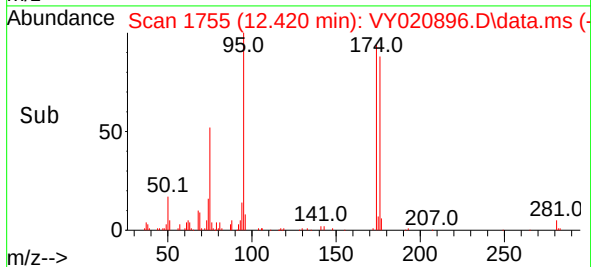
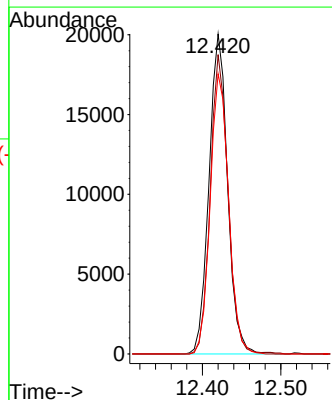
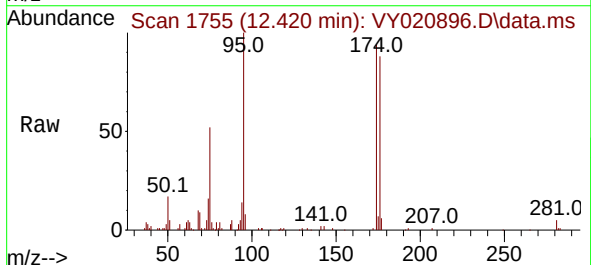
Tgt Ion: 95 Resp: 33030

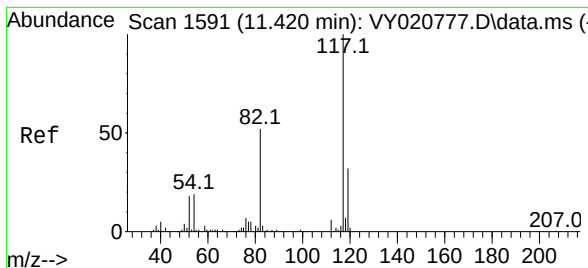
Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.0

176 86.6 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 11

Delta R.T. -0.006 min MSVOA_Y

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

ClientSampleId :

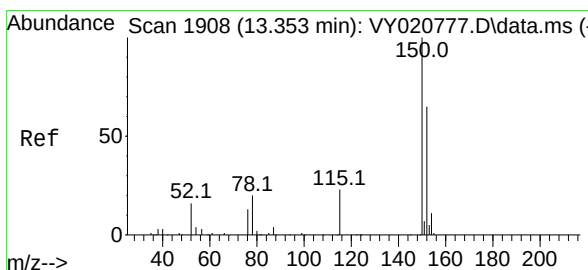
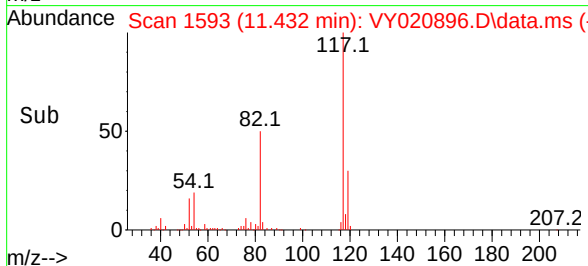
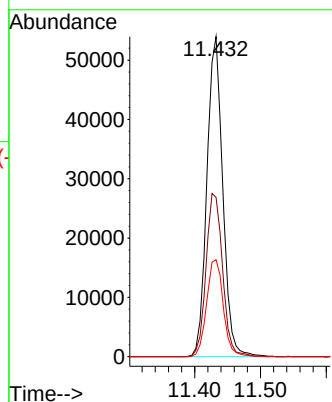
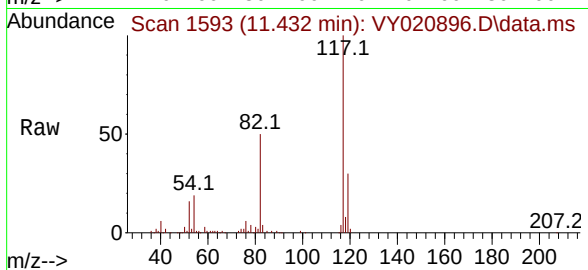
Tgt Ion:117 Resp: 90476

Ion Ratio Lower Upper

117 100

82 49.8 41.8 62.6

119 30.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

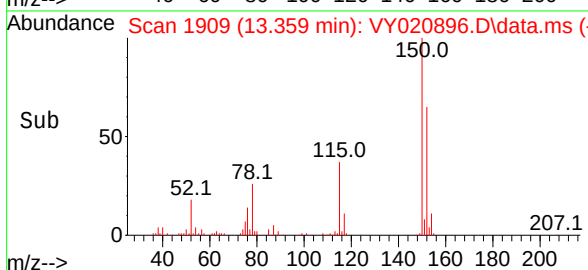
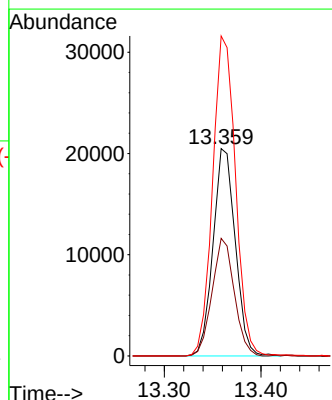
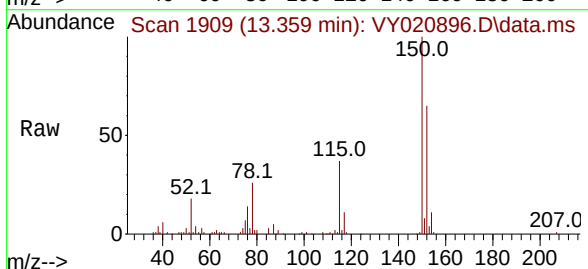
Tgt Ion:152 Resp: 32727

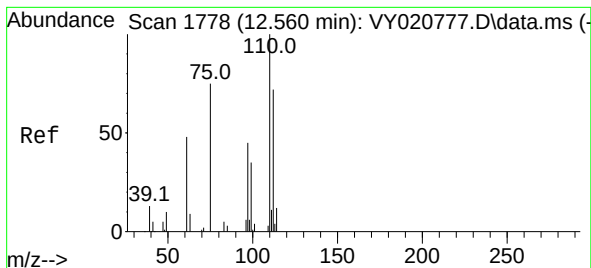
Ion Ratio Lower Upper

152 100

115 56.6 29.0 87.0

150 158.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 57.509 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.158 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Instrument :

MSVOA_Y

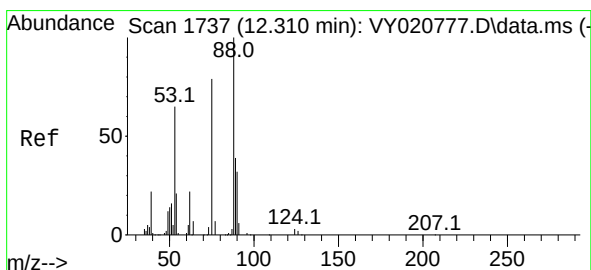
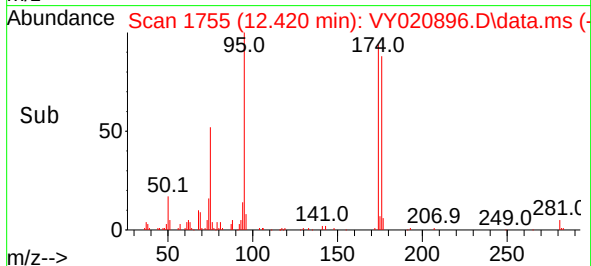
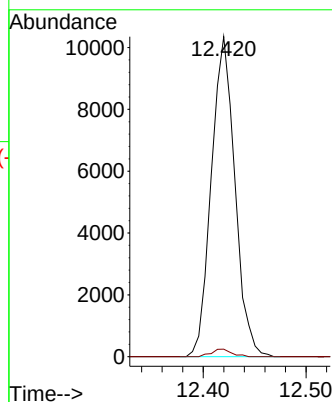
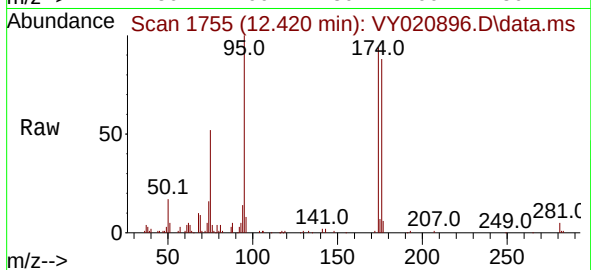
ClientSampleId :

Tgt Ion: 75 Resp: 16468

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.260 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.092 min

Lab File: VY020896.D

Acq: 22 Jan 2025 12:12

Tgt Ion: 75 Resp: 16468

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.0#

89 0.0 39.6 59.4#

