

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021231.D
 Acq On : 18 Feb 2025 15:28
 Operator : SY/MD
 Sample : Q1384-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 19 04:15:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

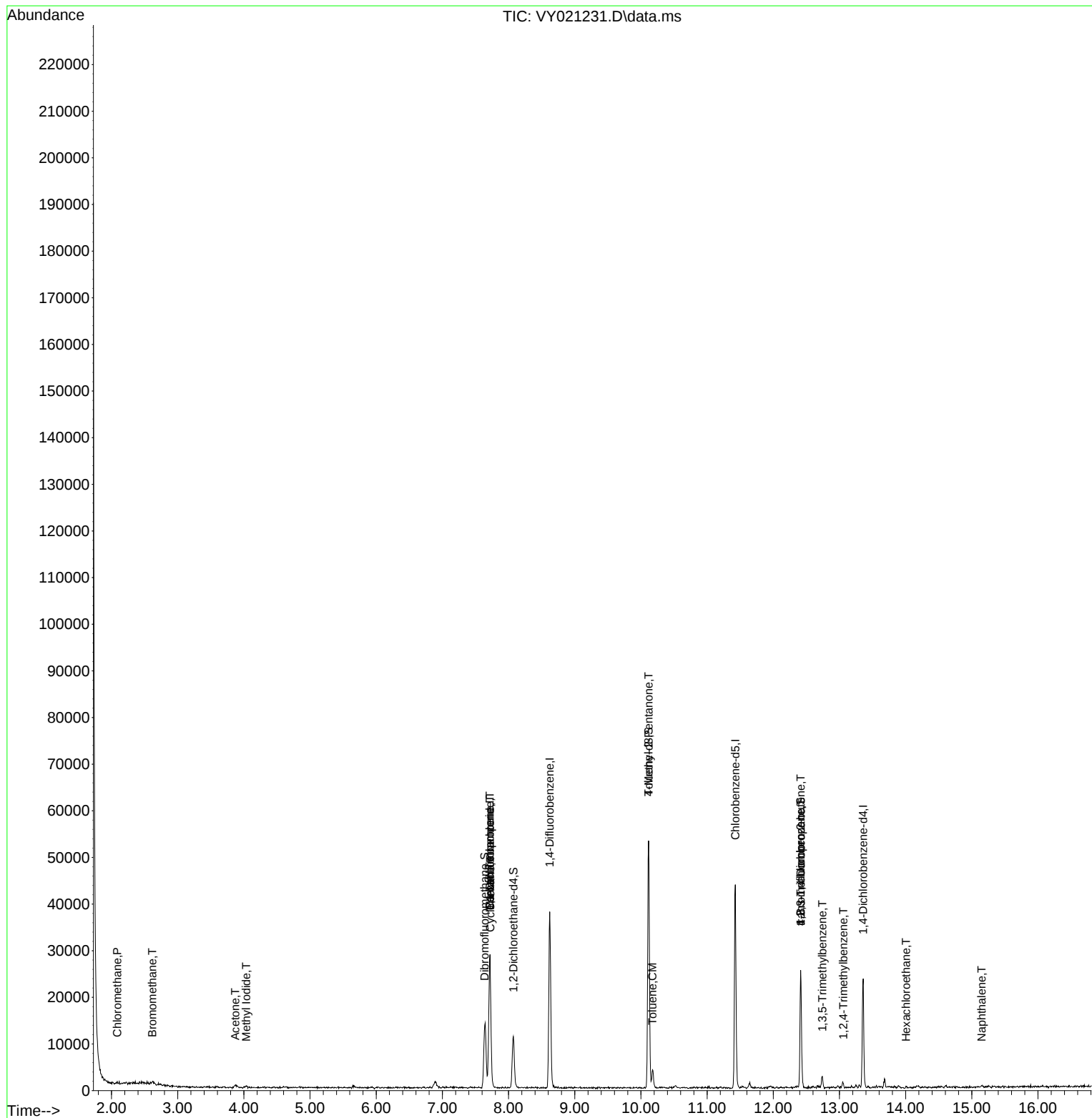
Internal Standards						
1) Pentafluorobenzene	7.719	168	21743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	31634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	23707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	5816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	9285	41.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.360%		
35) Dibromofluoromethane	7.640	113	10397	51.284	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.560%		
50) Toluene-d8	10.115	98	36452	47.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.460%		
62) 4-Bromofluorobenzene	12.413	95	7715	30.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.200%		
Target Compounds						Qvalue
3) Chloromethane	2.086	50	218	1.140	ug/l #	41
5) Bromomethane	2.616	94	274	2.303	ug/l #	70
10) Methyl Iodide	4.037	142	458	1.873	ug/l #	82
16) Acetone	3.872	43	1071	30.828	ug/l #	80
31) Cyclohexane	7.725	56	576	1.516	ug/l #	59
36) 1,1-Dichloropropene	7.719	75	1799	5.991	ug/l #	48
38) Carbon Tetrachloride	7.719	117	2373	6.763	ug/l #	12
51) 4-Methyl-2-Pentanone	10.115	43	148	1.124	ug/l #	1
52) Toluene	10.176	92	1691	3.056	ug/l	82
76) 1,2,3-Trichloropropane	12.413	75	4134	78.357	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	406	1.102	ug/l	68
81) trans-1,4-Dichloro-2-b...	12.413	75	4134	159.887	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.060	105	870	2.416	ug/l	89
90) Hexachloroethane	14.005	117	168	2.012	ug/l #	17
95) Naphthalene	15.151	128	648	4.141	ug/l #	75

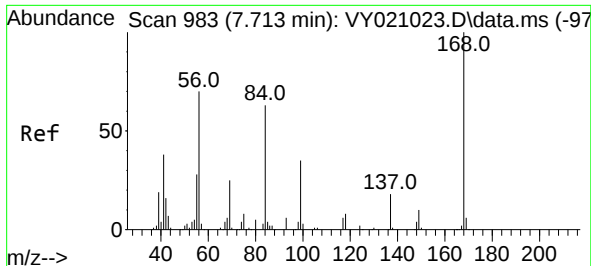
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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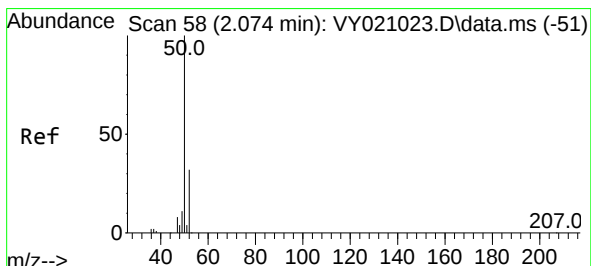
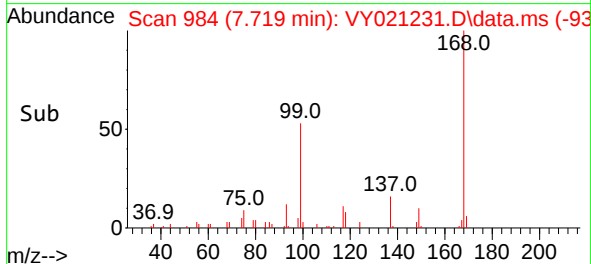
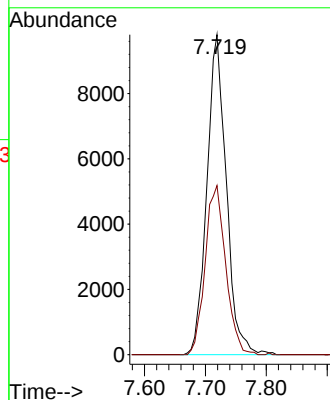
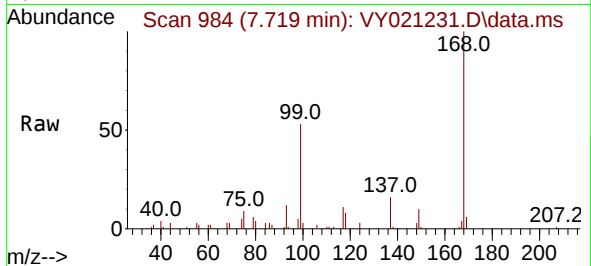




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

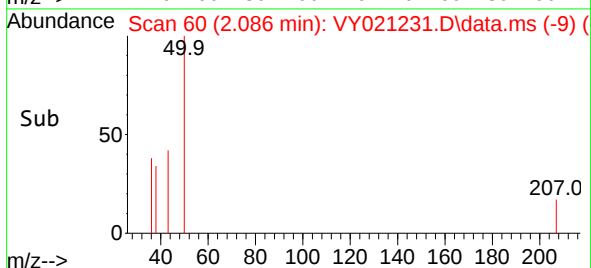
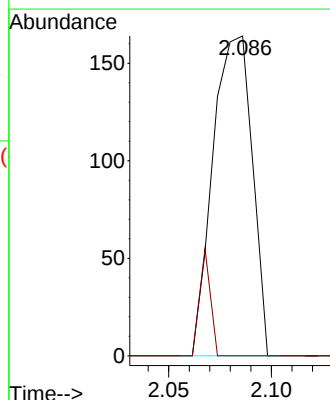
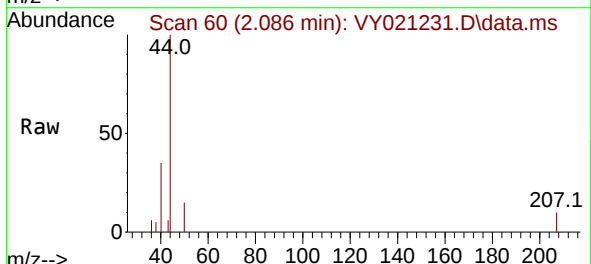
Instrument :
MSVOA_Y
ClientSampleId :

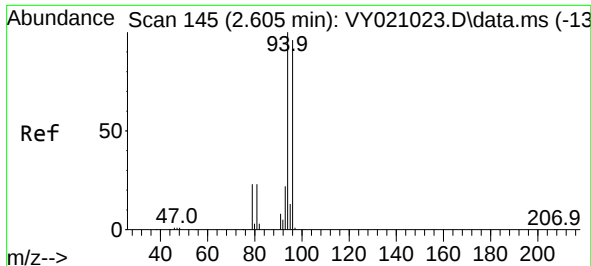
Tgt Ion:168 Resp: 21743
Ion Ratio Lower Upper
168 100
99 52.8 44.2 66.4



#3
Chloromethane
Concen: 1.140 ug/l
RT: 2.086 min Scan# 60
Delta R.T. 0.012 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

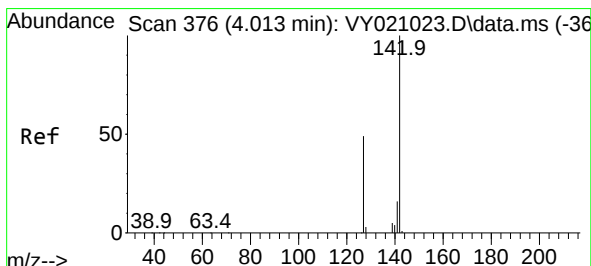
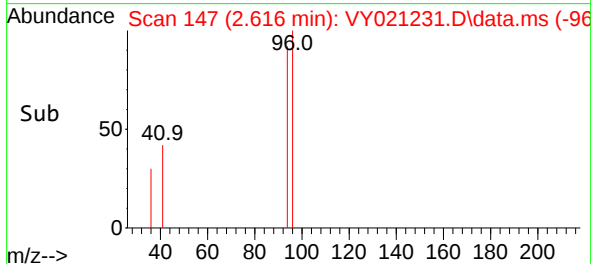
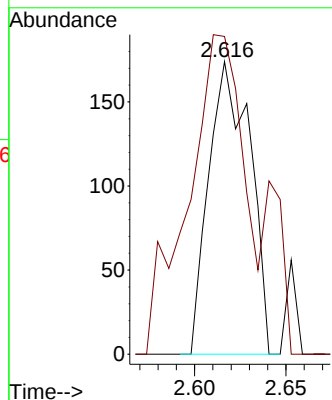
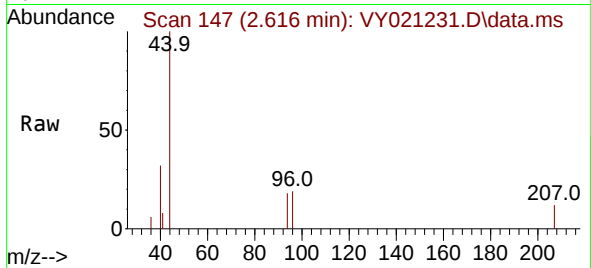




#5
Bromomethane
Concen: 2.303 ug/l
RT: 2.616 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

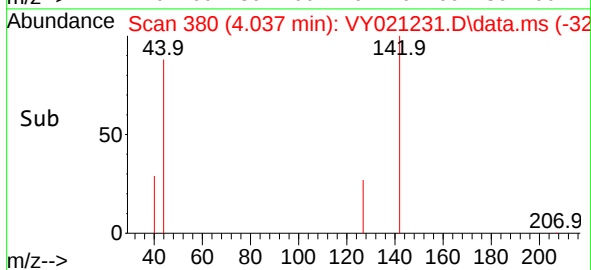
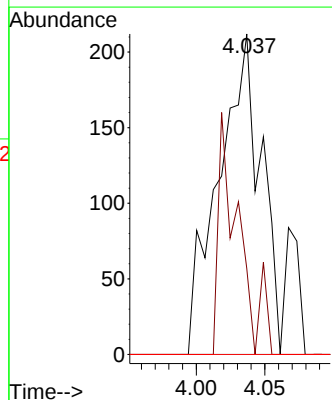
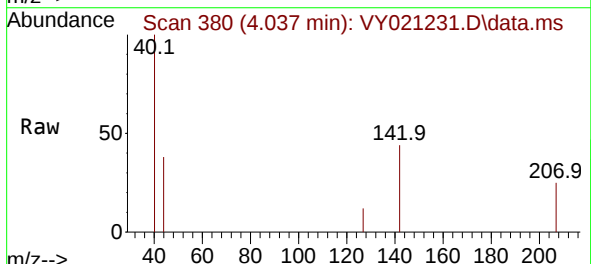
Instrument :
MSVOA_Y
ClientSampleId :

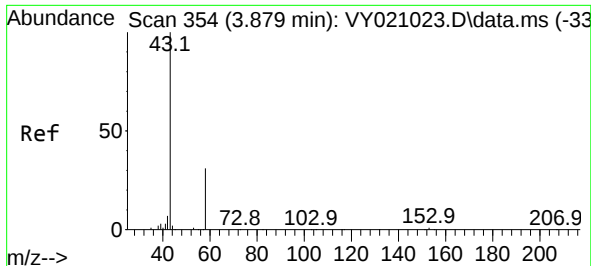
Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 67.2 77.3 115.9#



#10
Methyl Iodide
Concen: 1.873 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.024 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

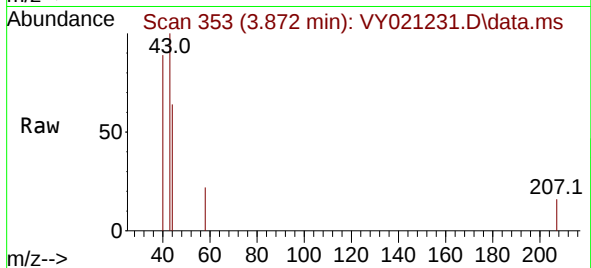
Tgt Ion:142 Resp: 458
Ion Ratio Lower Upper
142 100
127 36.5 35.1 52.7
141 0.0 11.8 17.6#



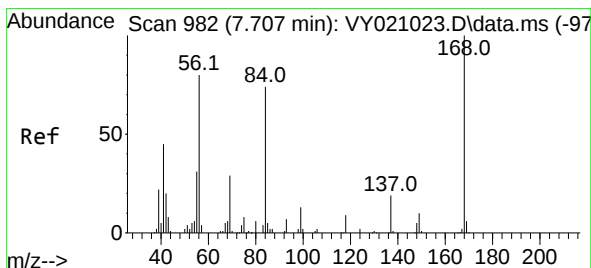
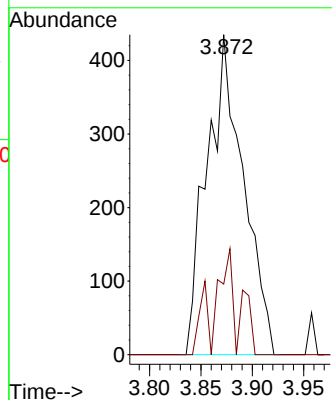
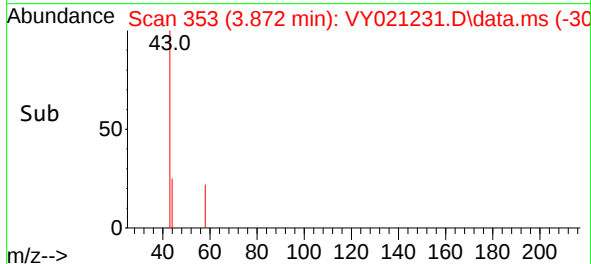


#16
Acetone
Concen: 30.828 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

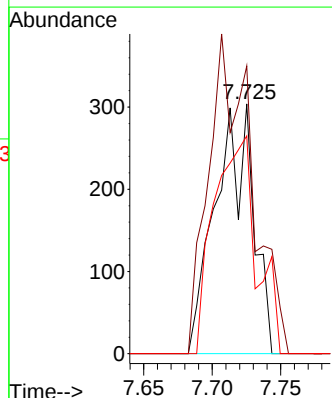
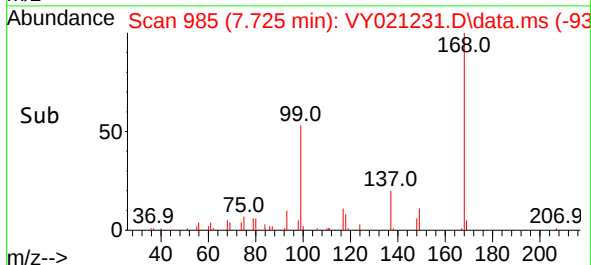
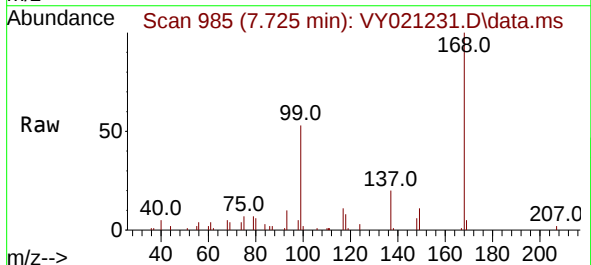


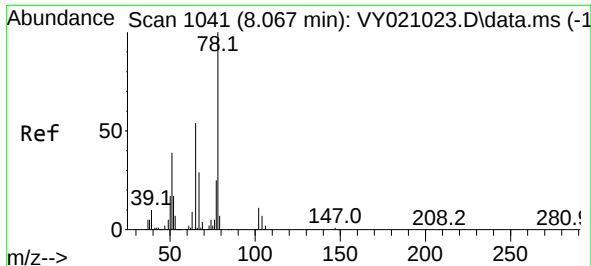
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 22.1 26.6 39.8#



#31
Cyclohexane
Concen: 1.516 ug/l
RT: 7.725 min Scan# 985
Delta R.T. 0.018 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 56 Resp: 576
Ion Ratio Lower Upper
56 100
69 115.1 27.0 40.6#
84 87.2 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 41.679 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

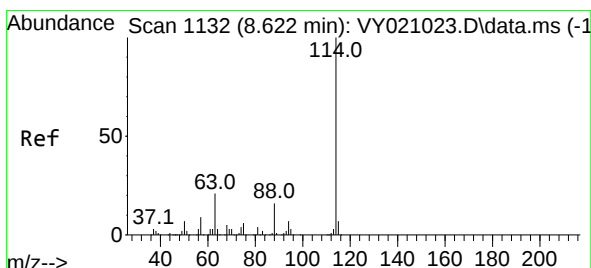
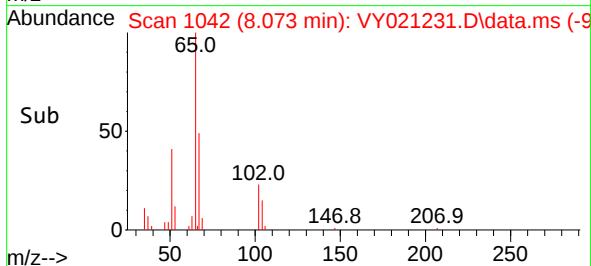
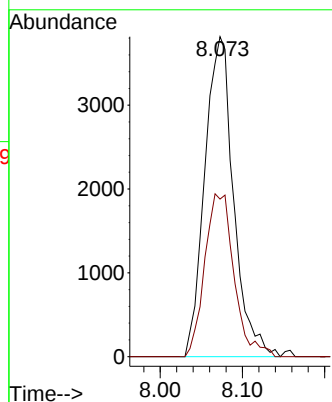
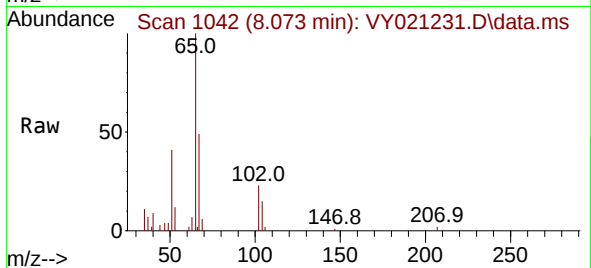
ClientSampleId :

Tgt Ion: 65 Resp: 9285

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

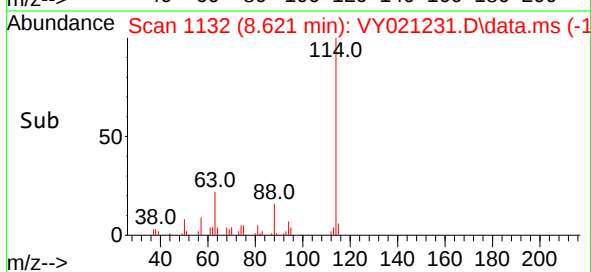
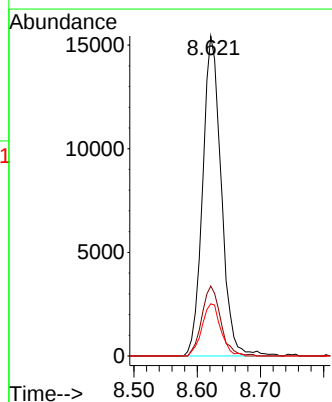
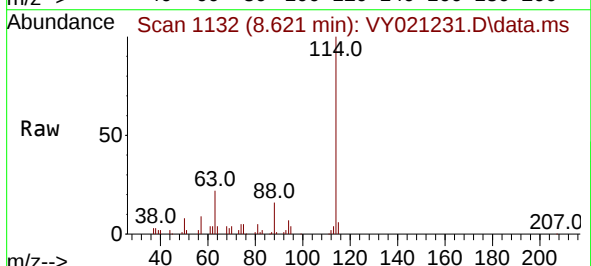
Tgt Ion: 114 Resp: 31634

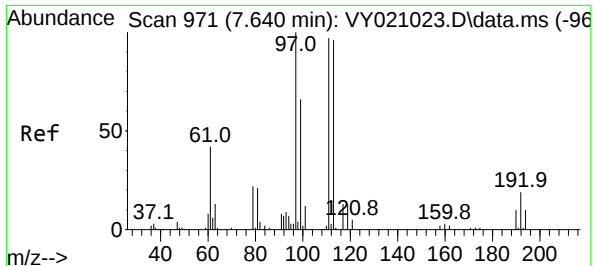
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

88 16.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.284 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

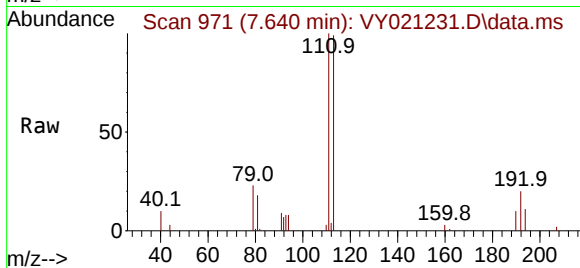
Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :



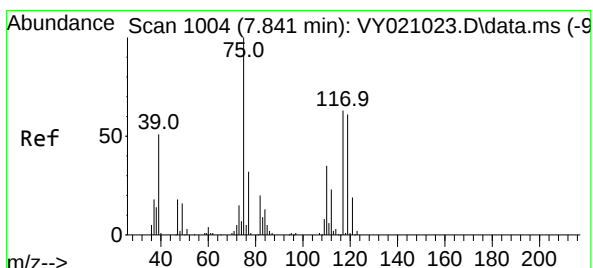
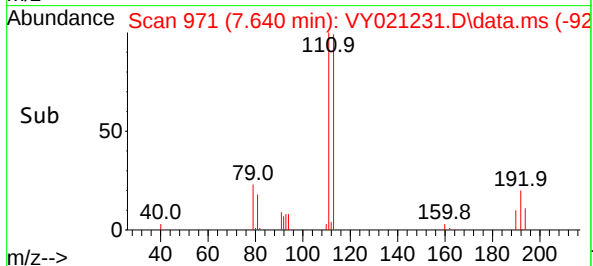
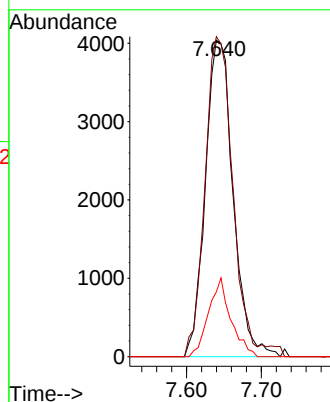
Tgt Ion:113 Resp: 10397

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 20.0 14.5 21.7



#36

1,1-Dichloropropene

Concen: 5.991 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

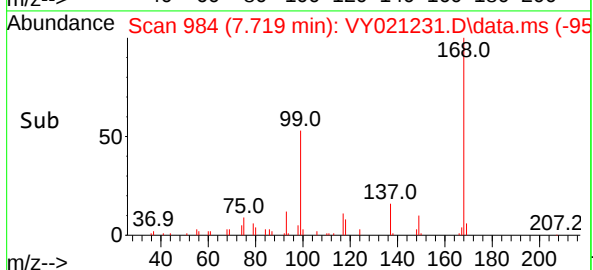
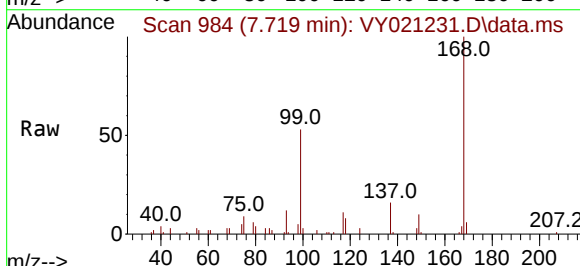
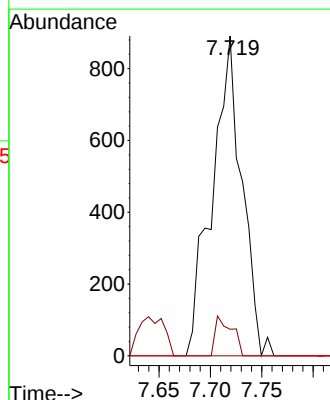
Tgt Ion: 75 Resp: 1799

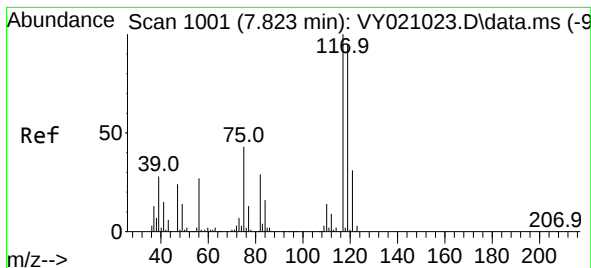
Ion Ratio Lower Upper

75 100

110 6.9 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.763 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

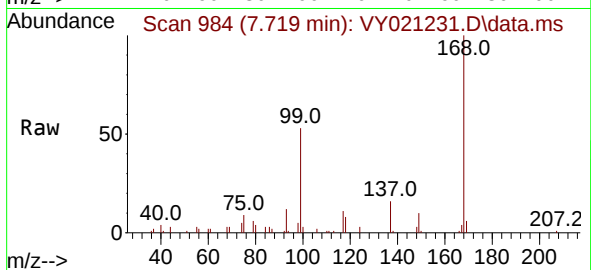
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Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :



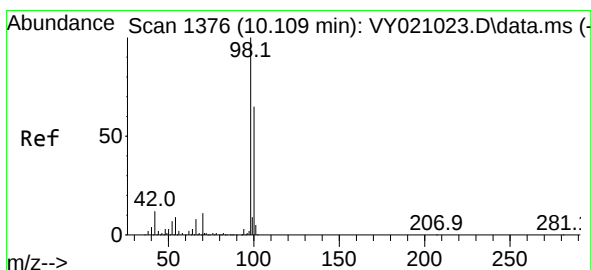
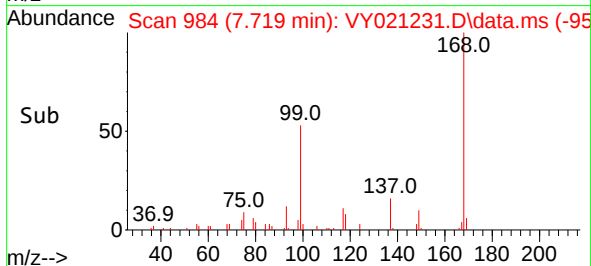
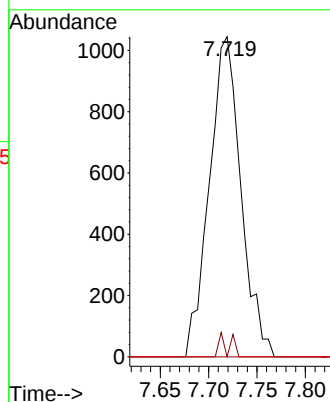
Tgt Ion:117 Resp: 2373

Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 47.229 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021231.D

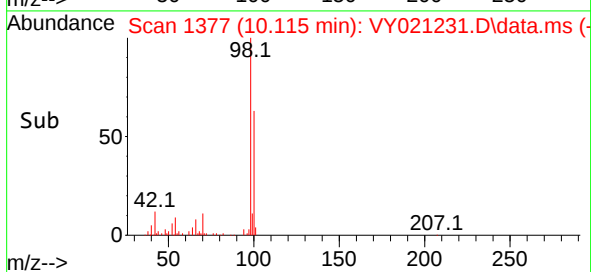
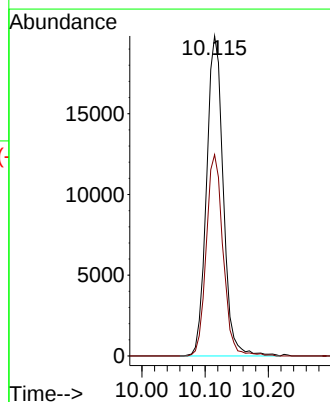
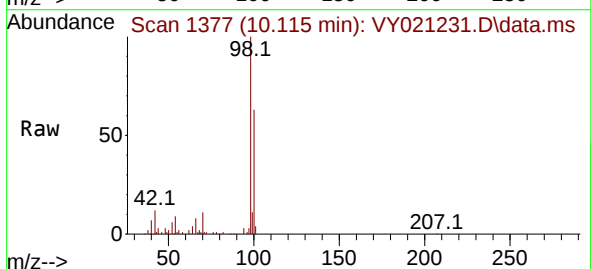
Acq: 18 Feb 2025 15:28

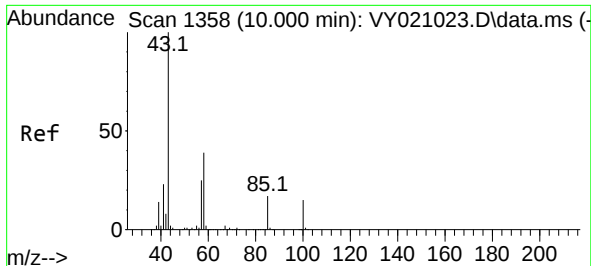
Tgt Ion: 98 Resp: 36452

Ion Ratio Lower Upper

98 100

100 63.3 52.3 78.5

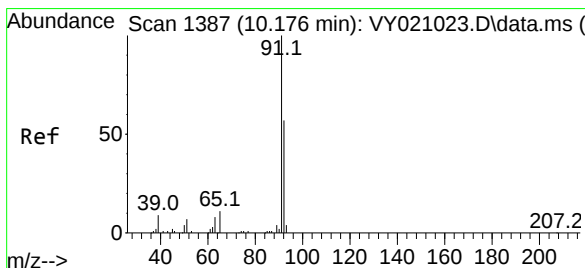
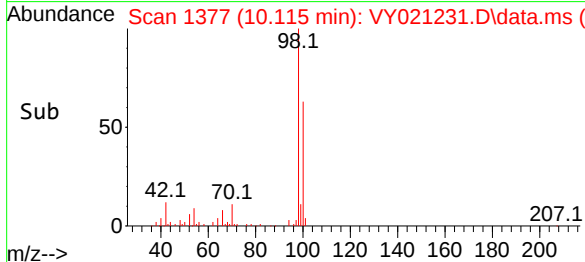
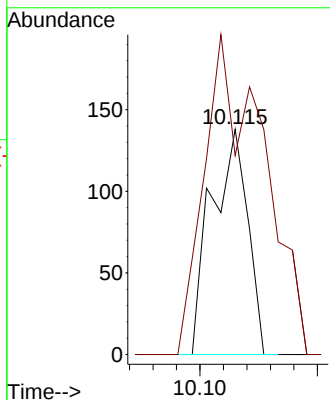
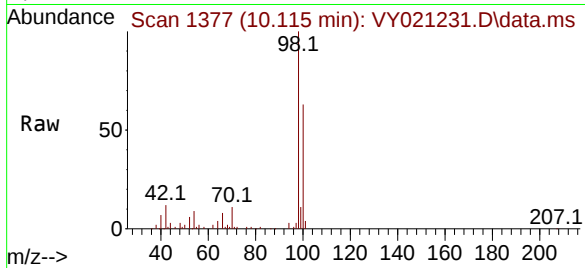




#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.115 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

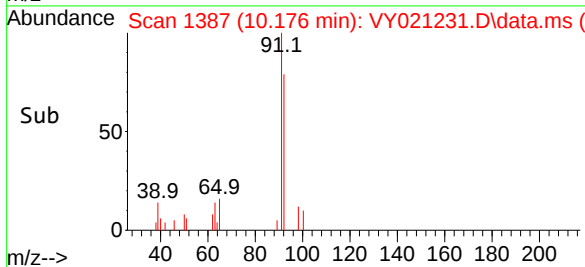
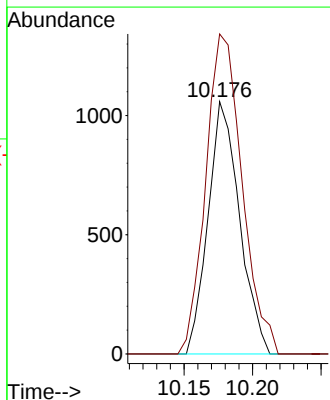
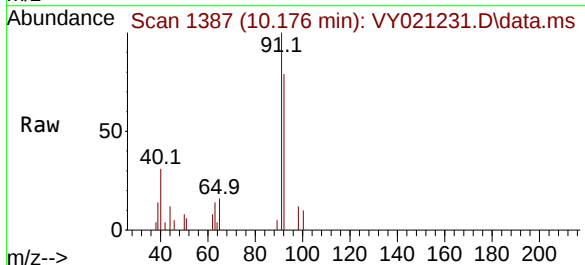
Instrument :
MSVOA_Y
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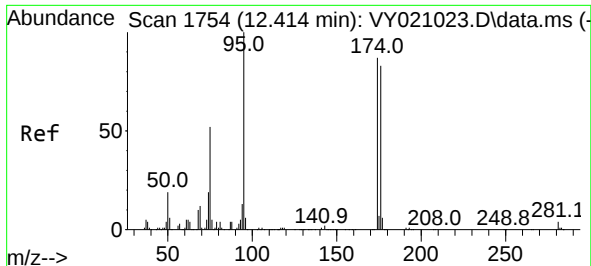
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
58 230.4 32.2 48.2#



#52
Toluene
Concen: 3.056 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 92 Resp: 1691
Ion Ratio Lower Upper
92 100
91 146.7 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 30.597 ug/l

RT: 12.413 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

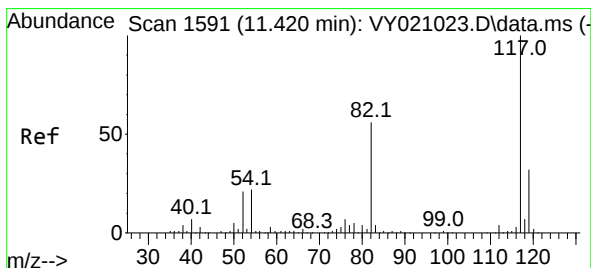
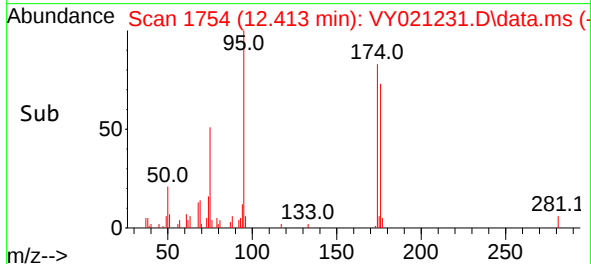
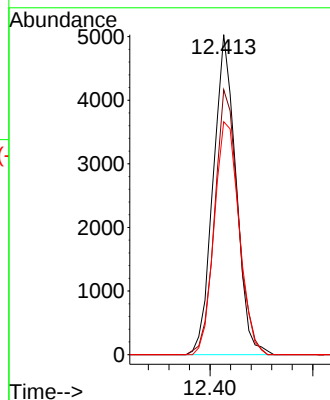
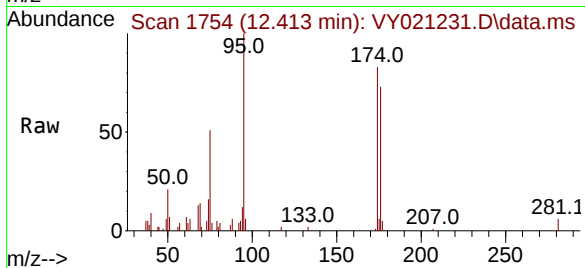
Tgt Ion: 95 Resp: 7715

Ion Ratio Lower Upper

95 100

174 85.1 0.0 160.0

176 79.7 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.006 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

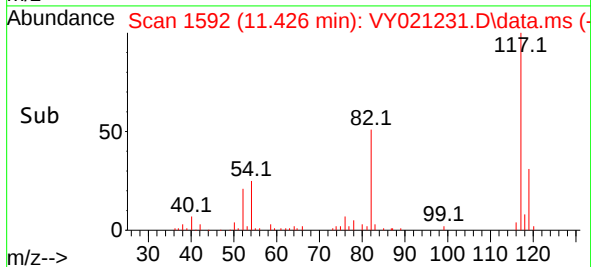
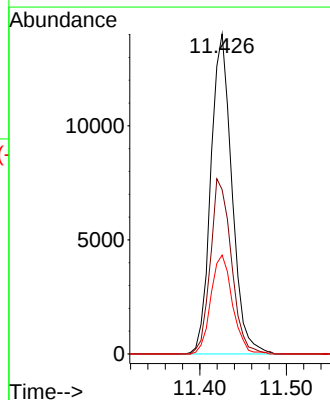
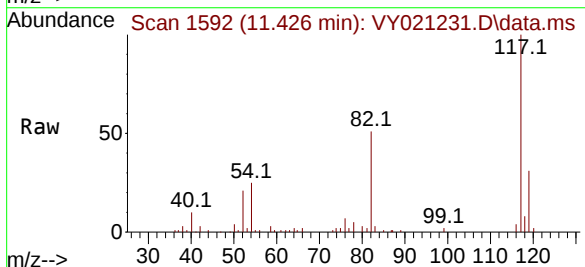
Tgt Ion: 117 Resp: 23707

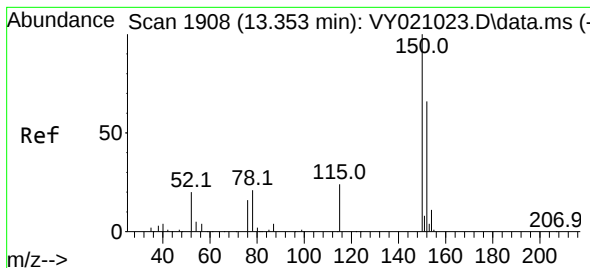
Ion Ratio Lower Upper

117 100

82 51.3 43.8 65.8

119 30.9 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.358 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

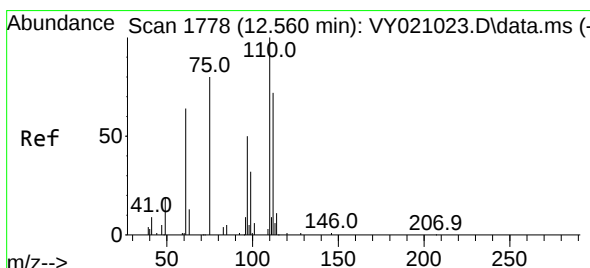
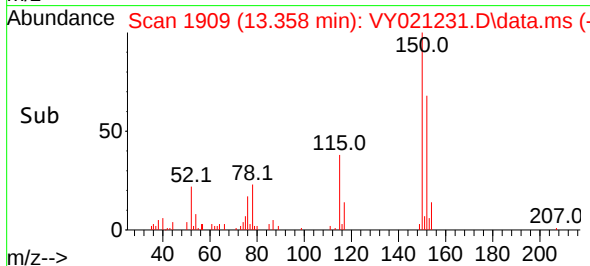
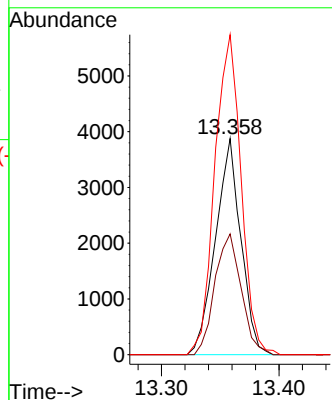
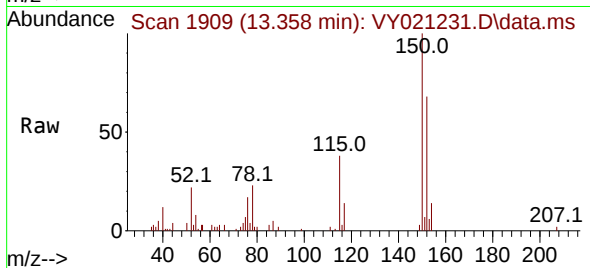
Tgt Ion:152 Resp: 5816

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 153.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 78.357 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. -0.147 min

Lab File: VY021231.D

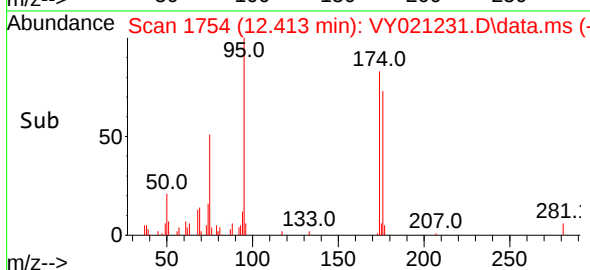
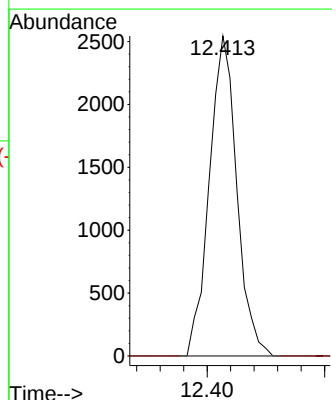
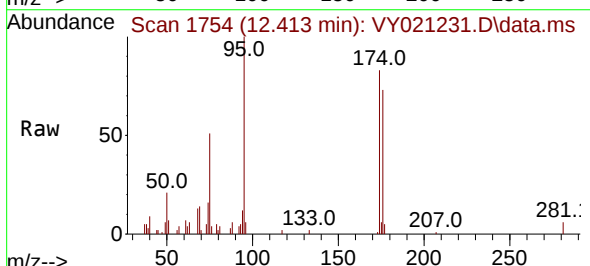
Acq: 18 Feb 2025 15:28

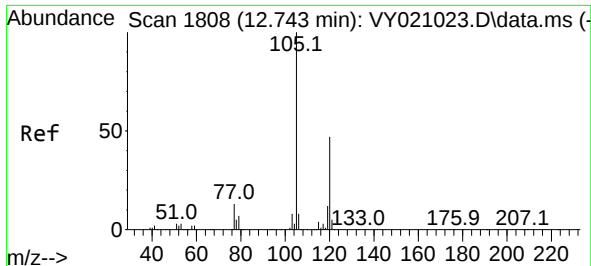
Tgt Ion: 75 Resp: 4134

Ion Ratio Lower Upper

75 100

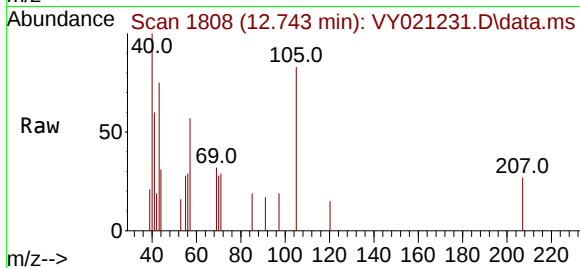
77 0.0 0.0 0.0



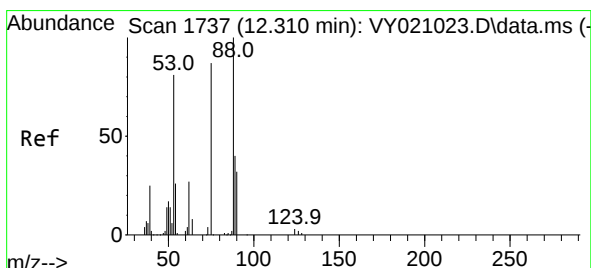
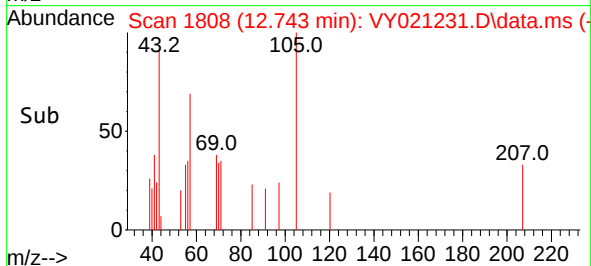
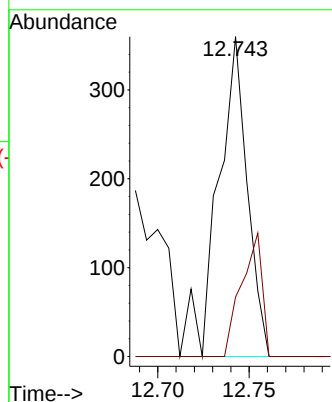


#80
 1,3,5-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 12.743 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY021231.D
 Acq: 18 Feb 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :

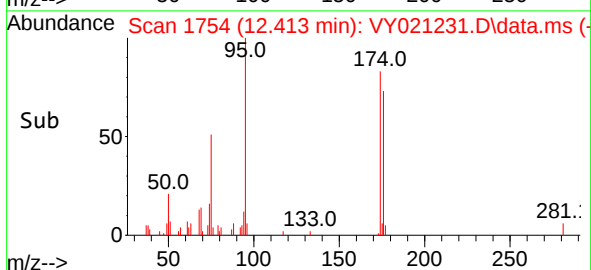
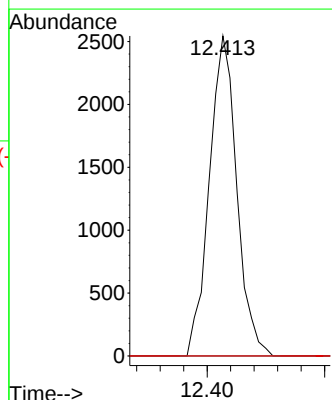
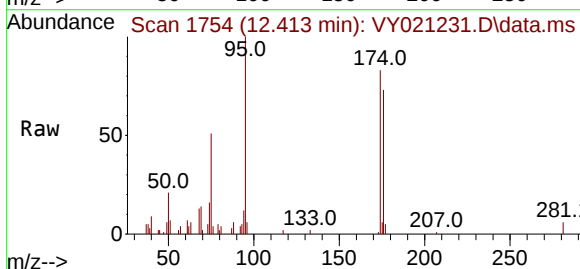


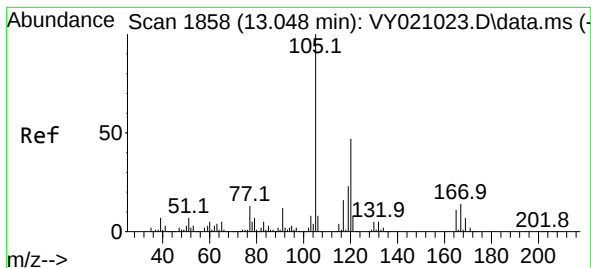
Tgt Ion:105 Resp: 406
 Ion Ratio Lower Upper
 105 100
 120 27.1 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.887 ug/l
 RT: 12.413 min Scan# 1754
 Delta R.T. 0.103 min
 Lab File: VY021231.D
 Acq: 18 Feb 2025 15:28

Tgt Ion: 75 Resp: 4134
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 2.416 ug/l

RT: 13.060 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

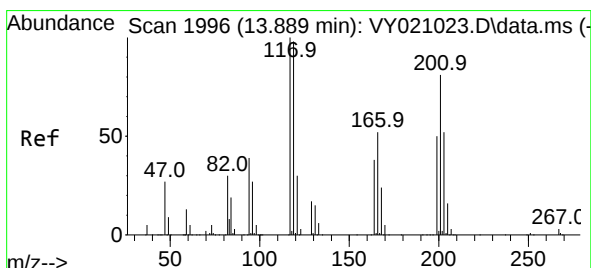
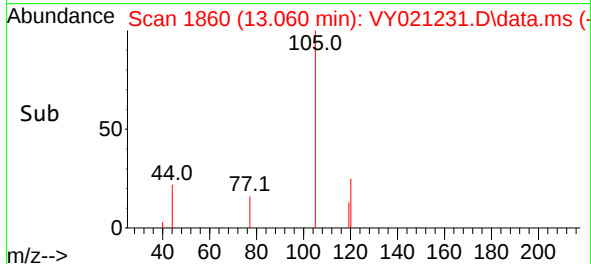
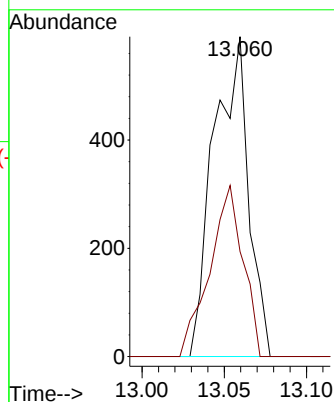
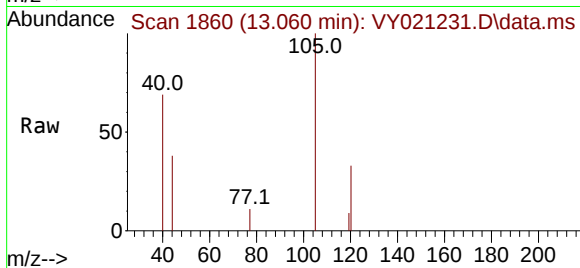
ClientSampleId :

Tgt Ion:105 Resp: 870

Ion Ratio Lower Upper

105 100

120 51.0 22.1 66.3



#90

Hexachloroethane

Concen: 2.012 ug/l

RT: 14.005 min Scan# 2015

Delta R.T. 0.115 min

Lab File: VY021231.D

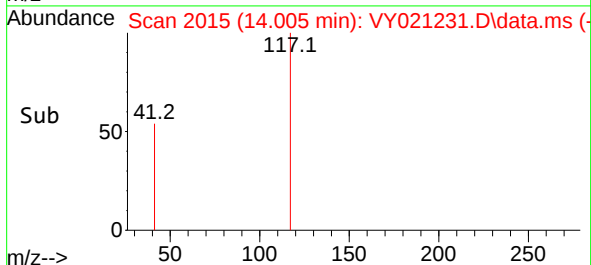
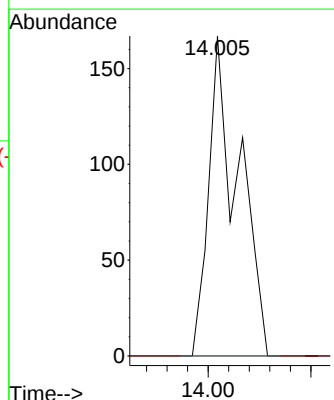
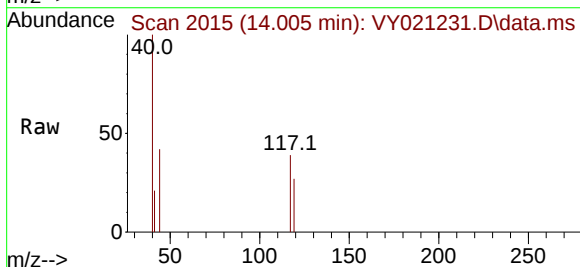
Acq: 18 Feb 2025 15:28

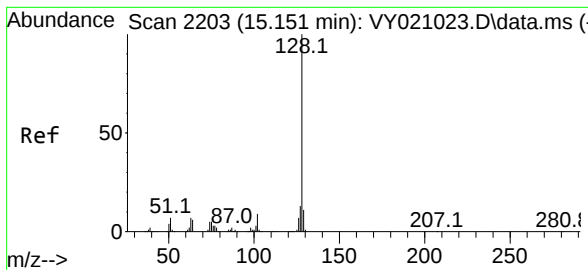
Tgt Ion:117 Resp: 168

Ion Ratio Lower Upper

117 100

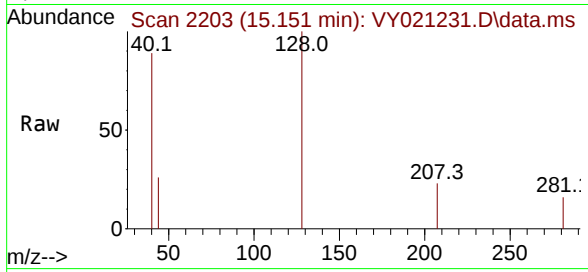
201 0.0 33.4 100.1#





#95
Naphthalene
Concen: 4.141 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	648
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.2	15.4#
129	0.0	8.6	12.8#

