

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022362.D
 Acq On : 21 May 2025 13:11
 Operator : SY/MD
 Sample : Q2097-05
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251675

Quant Time: May 22 00:09:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

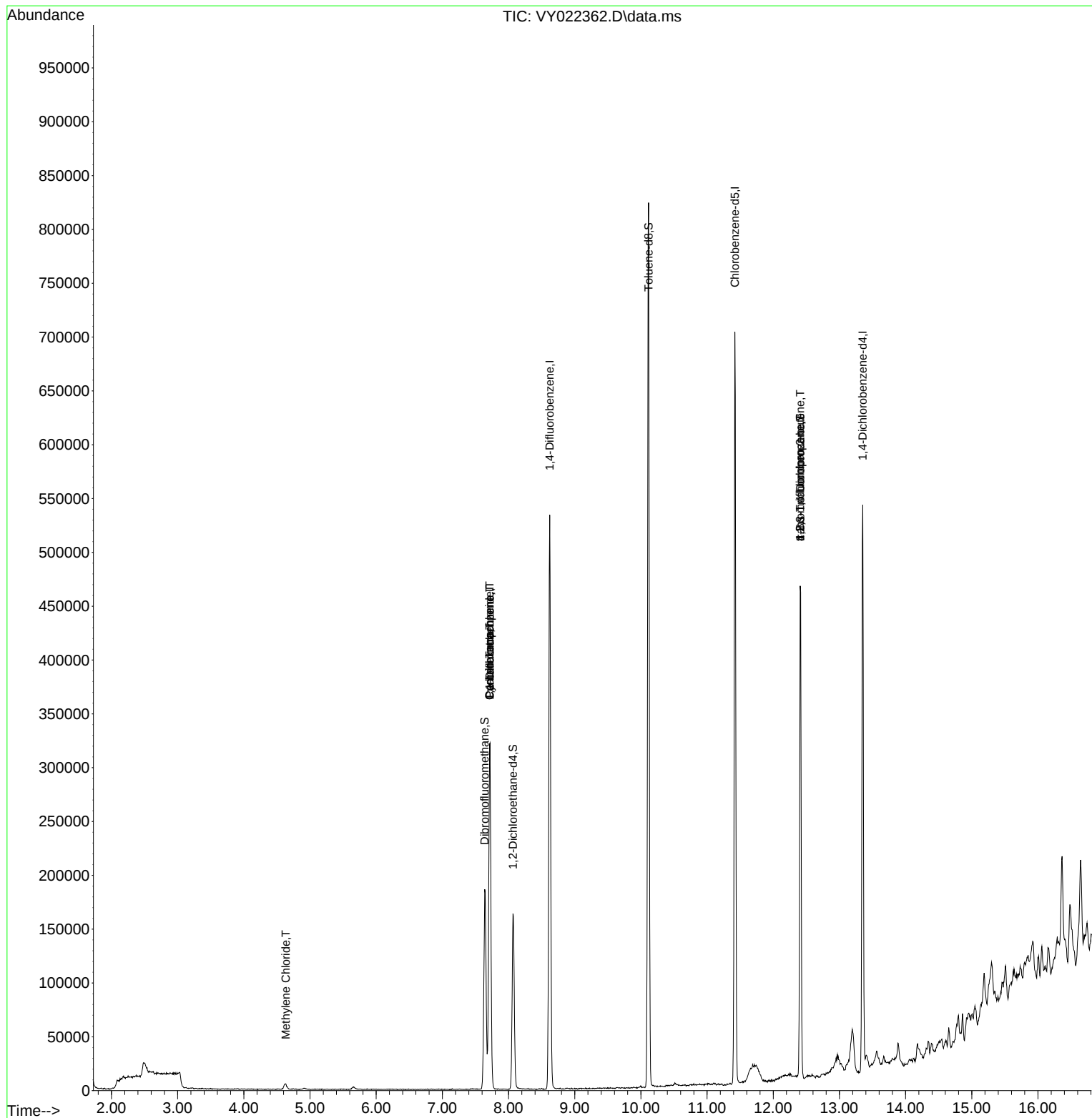
Internal Standards						
1) Pentafluorobenzene	7.719	168	245276	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	436774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	342831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	123993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122445	45.678	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.360%		
35) Dibromofluoromethane	7.640	113	128264	49.201	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.400%		
50) Toluene-d8	10.115	98	519887	48.693	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.380%		
62) 4-Bromofluorobenzene	12.408	95	129116	38.153	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	76.300%		
Target Compounds						Qvalue
20) Methylene Chloride	4.635	84	3616	1.113	ug/l #	72
31) Cyclohexane	7.713	56	6670	1.230	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	21013	4.894	ug/l #	51
38) Carbon Tetrachloride	7.713	117	24920	5.607	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	75355	59.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	75355	121.519	ug/l #	12

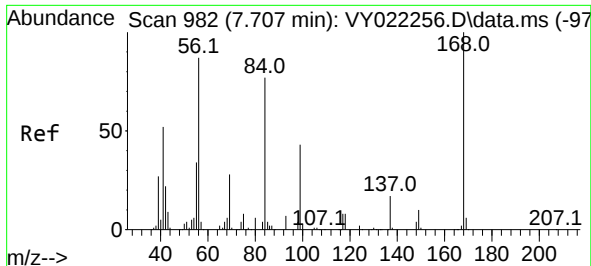
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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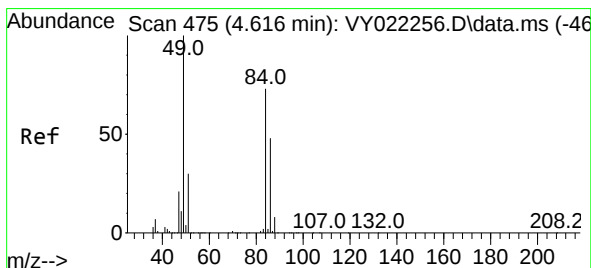
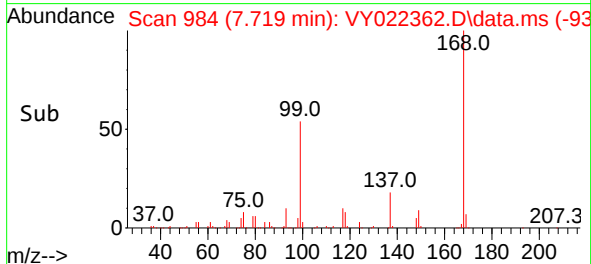
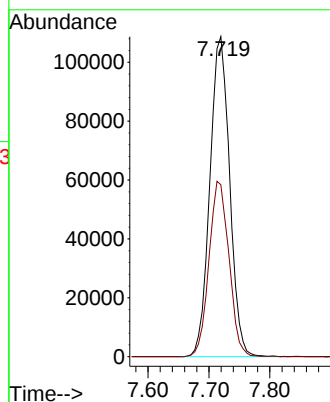
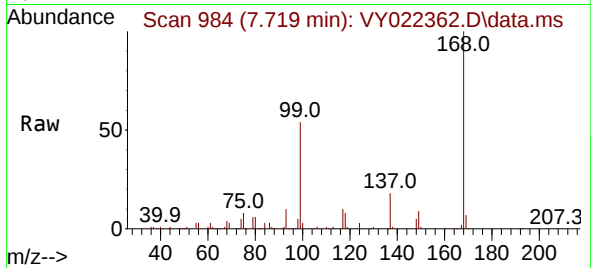




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

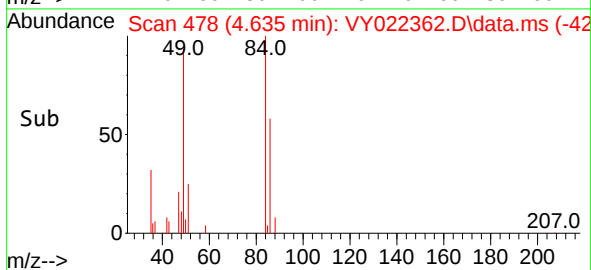
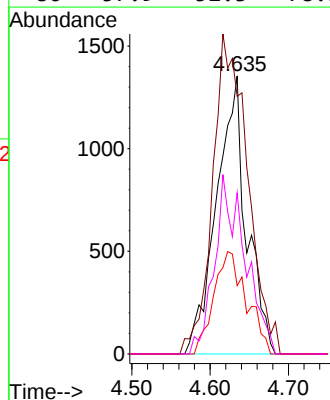
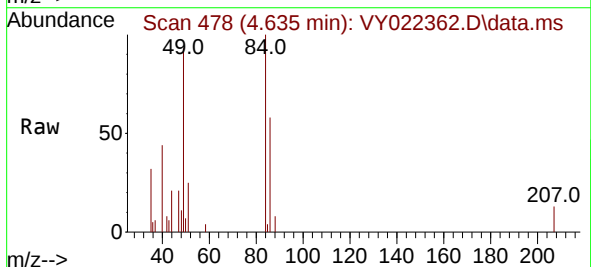
Instrument :
MSVOA_Y
ClientSampleId :
RBR251675

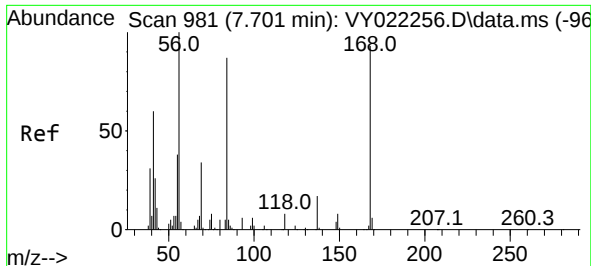
Tgt Ion:168 Resp: 245276
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#20
Methylene Chloride
Concen: 1.113 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.018 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 84 Resp: 3616
Ion Ratio Lower Upper
84 100
49 92.6 109.6 164.4#
51 24.6 32.4 48.6#
86 57.9 52.3 78.5

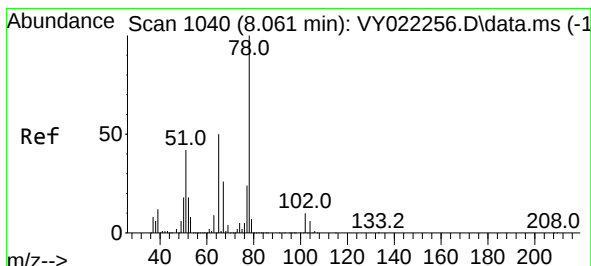
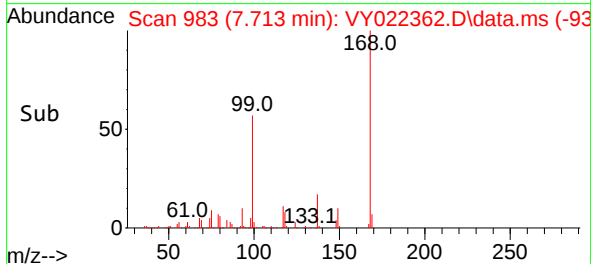
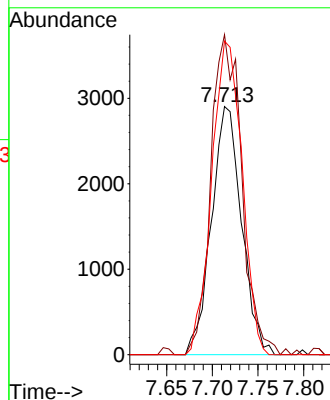
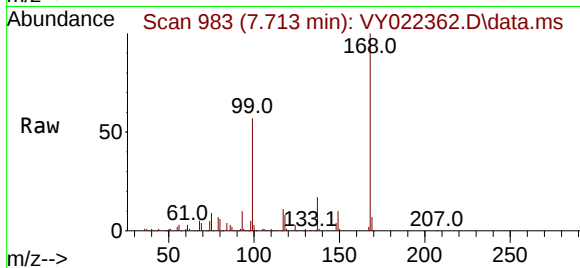




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

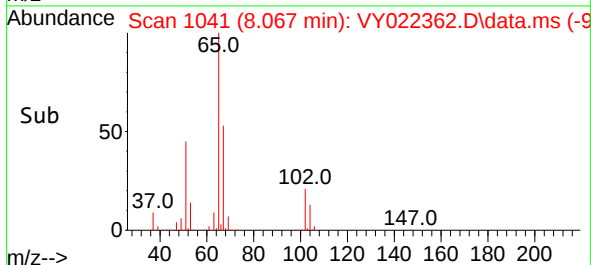
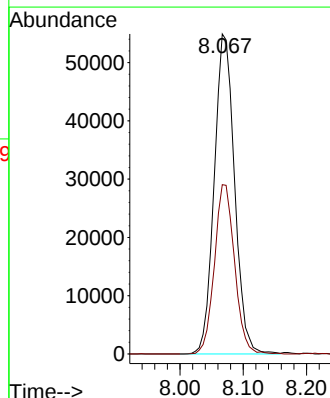
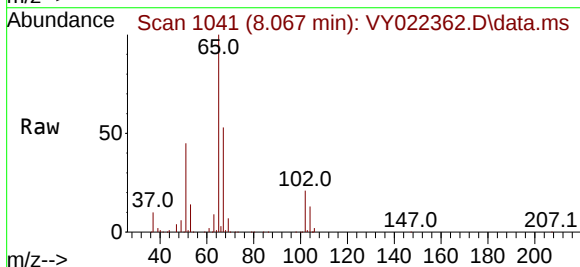
Instrument :
MSVOA_Y
ClientSampleId :
RBR251675

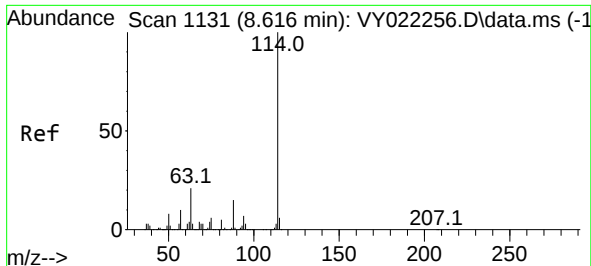
Tgt Ion: 56 Resp: 6670
Ion Ratio Lower Upper
56 100
69 128.9 27.4 41.2#
84 126.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 45.678 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 65 Resp: 122445
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022362.D

Acq: 21 May 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

RBR251675

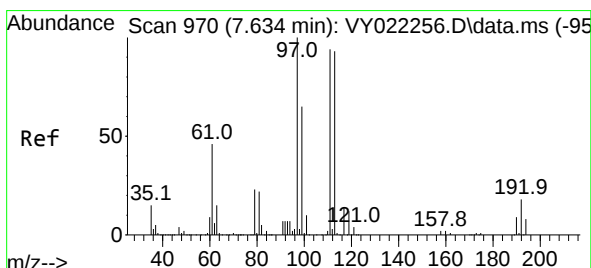
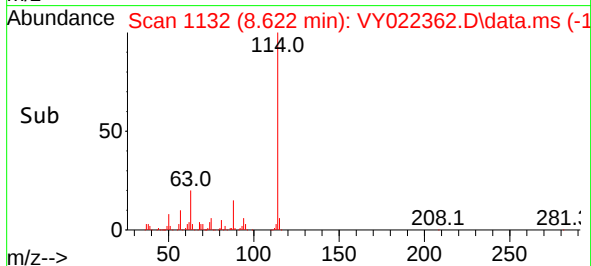
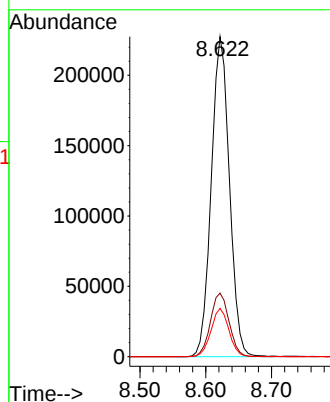
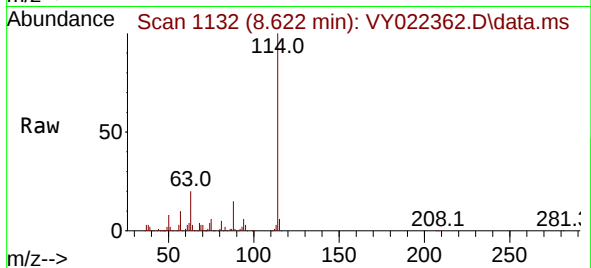
Tgt Ion:114 Resp: 436774

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.201 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022362.D

Acq: 21 May 2025 13:11

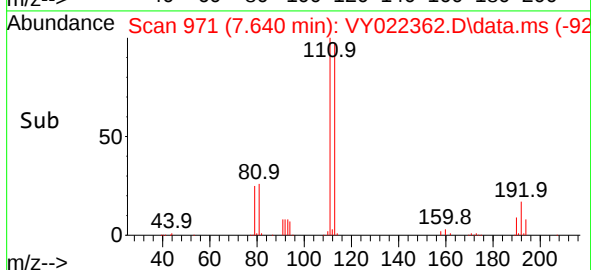
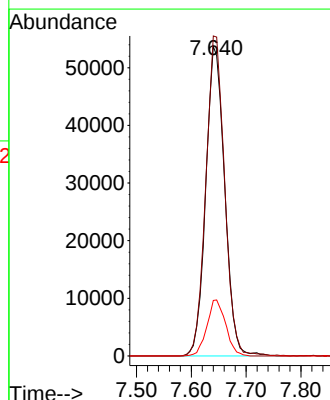
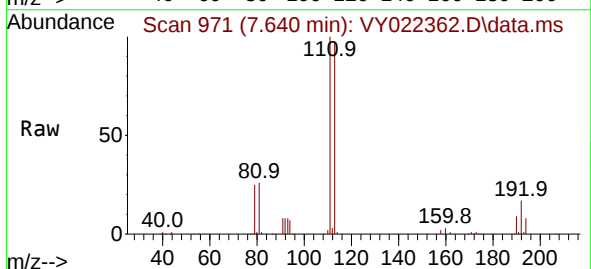
Tgt Ion:113 Resp: 128264

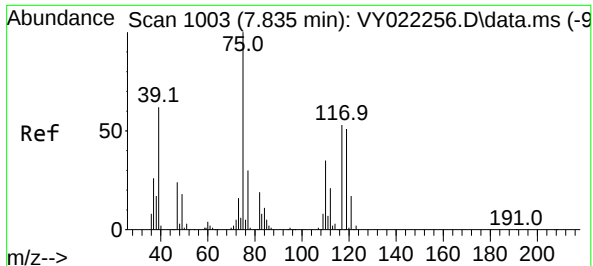
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 18.0 15.2 22.8

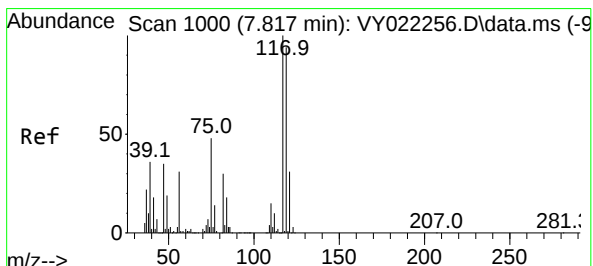
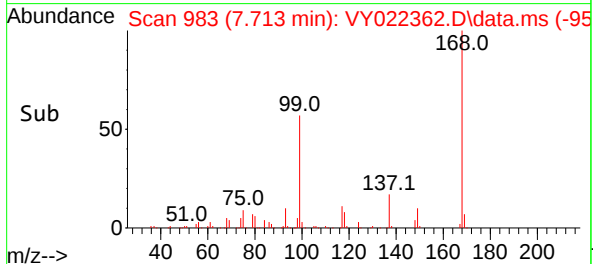
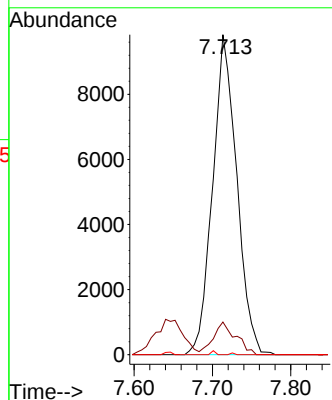
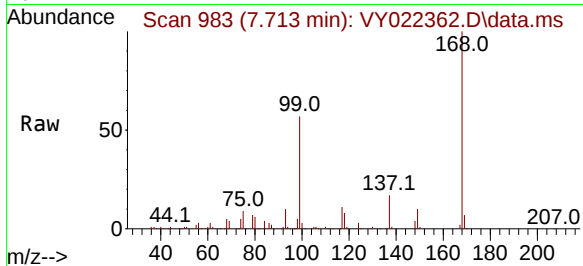




#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

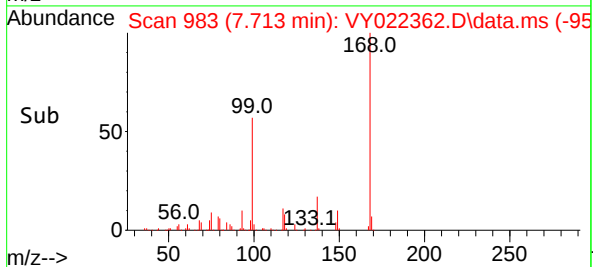
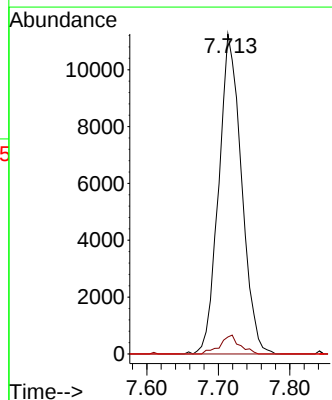
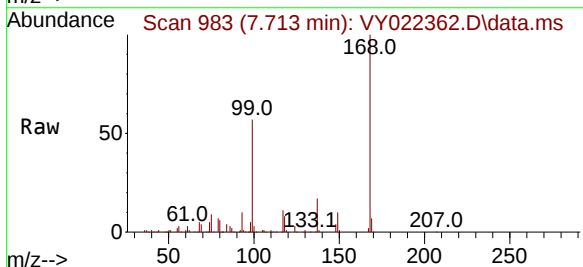
Instrument :
MSVOA_Y
ClientSampleId :
RBR251675

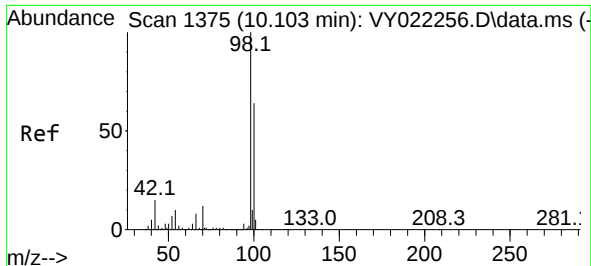
Tgt Ion: 75 Resp: 21013
Ion Ratio Lower Upper
75 100
110 9.5 16.6 49.8#
77 0.1 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.104 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 117 Resp: 24920
Ion Ratio Lower Upper
117 100
119 5.3 75.3 112.9#
121 0.0 24.7 37.1#

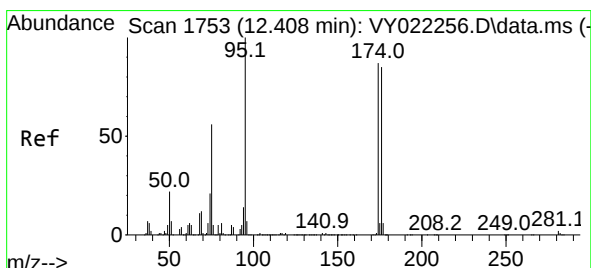
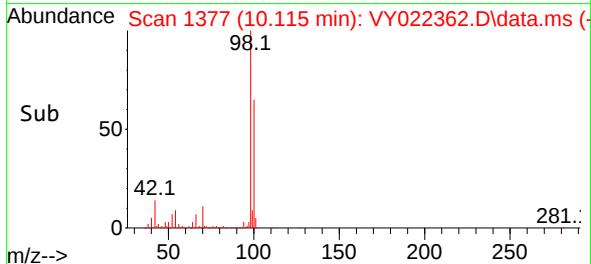
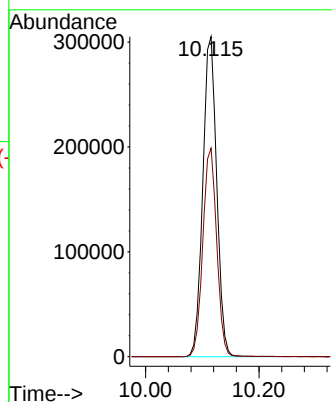
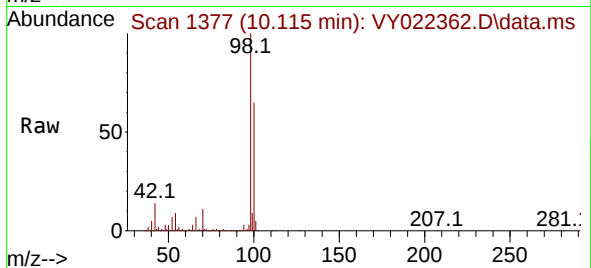




#50
Toluene-d8
Concen: 48.693 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

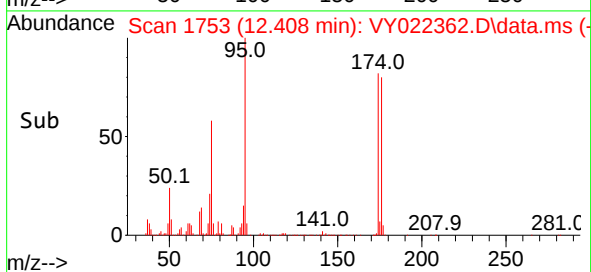
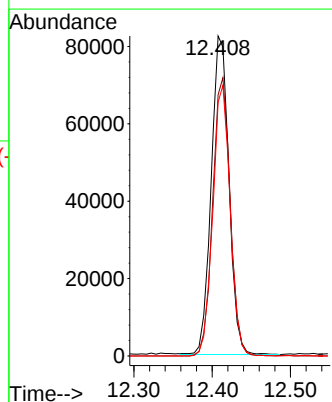
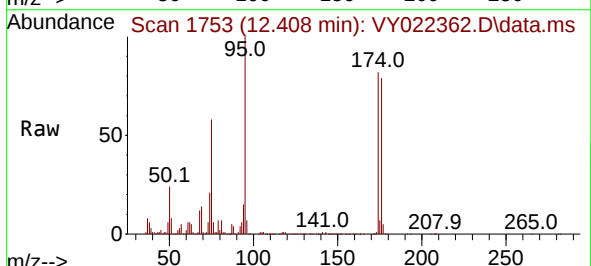
Instrument :
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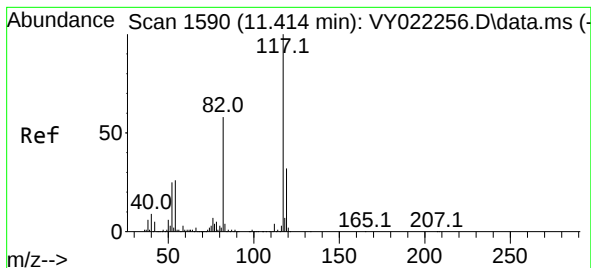
Tgt Ion: 98 Resp: 519887
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.153 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 95 Resp: 129116
Ion Ratio Lower Upper
95 100
174 86.3 0.0 166.8
176 83.4 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022362.D

Acq: 21 May 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

RBR251675

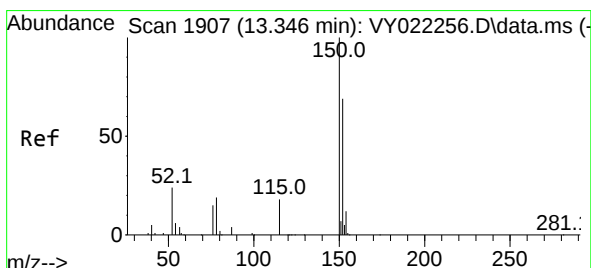
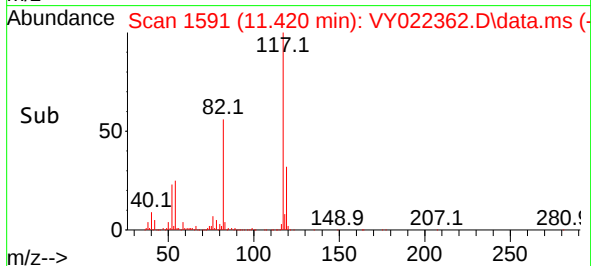
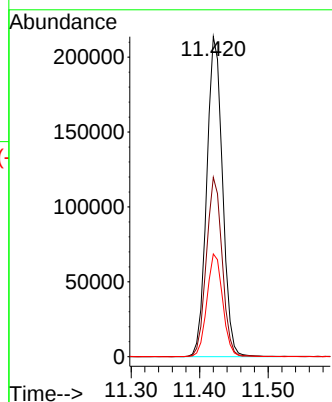
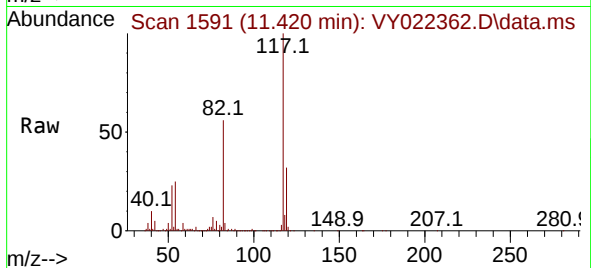
Tgt Ion:117 Resp: 342831

Ion Ratio Lower Upper

117 100

82 56.0 46.6 70.0

119 32.1 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022362.D

Acq: 21 May 2025 13:11

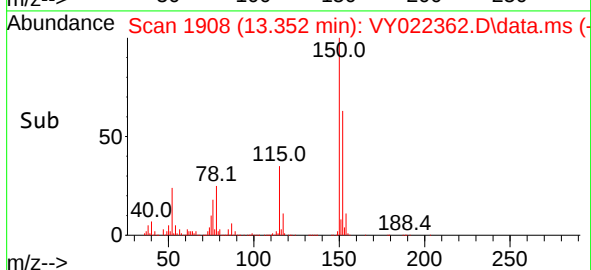
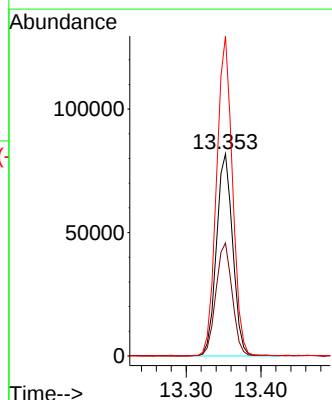
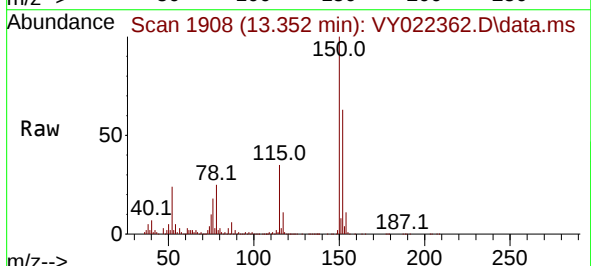
Tgt Ion:152 Resp: 123993

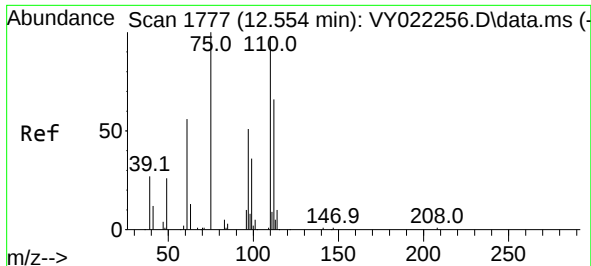
Ion Ratio Lower Upper

152 100

115 56.0 29.4 88.2

150 155.5 0.0 353.8

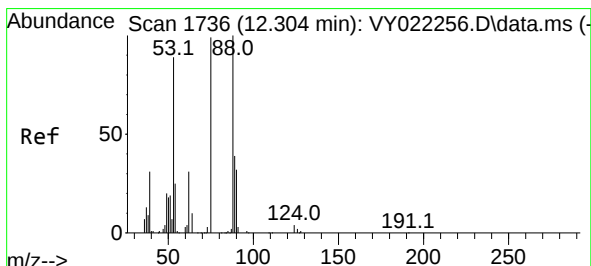
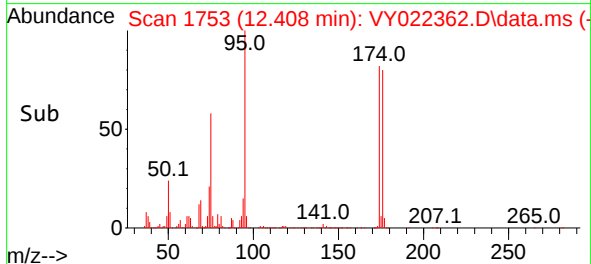
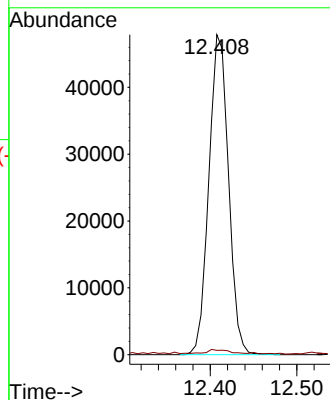
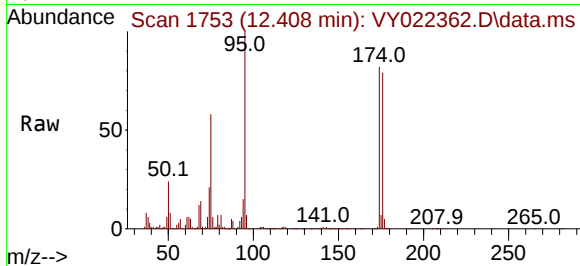




#76
1,2,3-Trichloropropane
Concen: 59.987 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Instrument :
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ClientSampleId :
RBR251675

Tgt Ion: 75 Resp: 75355
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.519 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022362.D
Acq: 21 May 2025 13:11

Tgt Ion: 75 Resp: 75355
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

