

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022366.D
 Acq On : 21 May 2025 14:44
 Operator : SY/MD
 Sample : Q2097-13
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251372

Quant Time: May 22 00:10:51 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)

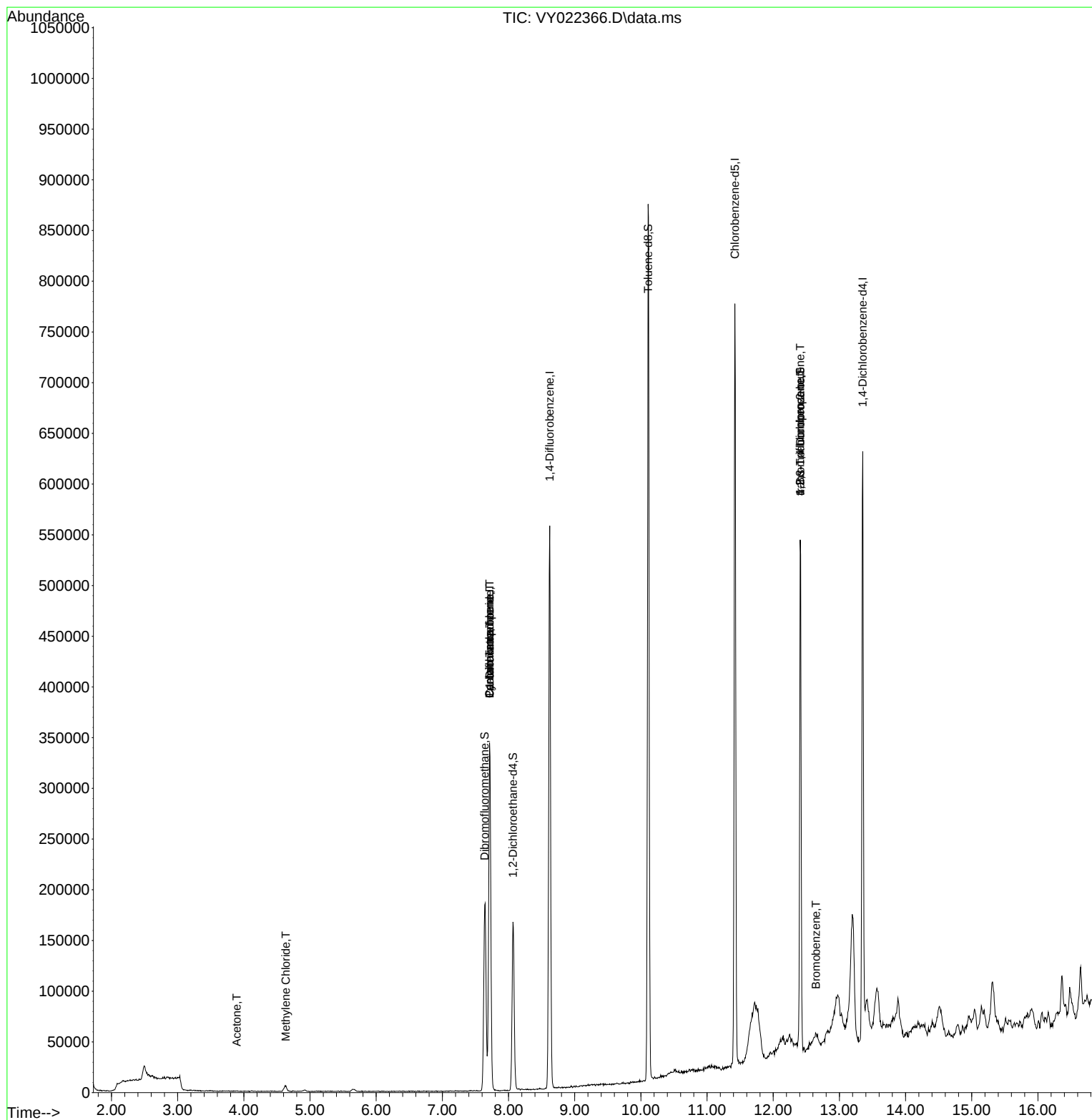
Internal Standards						
1) Pentafluorobenzene	7.713	168	259523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	452832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	361760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125101	44.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.220%		
35) Dibromofluoromethane	7.640	113	129725	47.997	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.000%		
50) Toluene-d8	10.109	98	543681	49.116	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.408	95	137995	39.330	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.660%		
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	533	1.002	ug/l #	45
20) Methylene Chloride	4.635	84	3890	1.132	ug/l #	75
31) Cyclohexane	7.713	56	6876	1.198	ug/l #	26
36) 1,1-Dichloropropene	7.713	75	22079	4.960	ug/l #	52
38) Carbon Tetrachloride	7.713	117	26531	5.757	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	80982	58.027	ug/l #	100
77) Bromobenzene	12.645	156	11970	4.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	80982	117.549	ug/l #	12

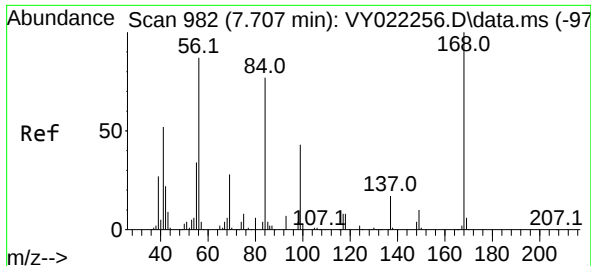
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022366.D
Acq On : 21 May 2025 14:44
Operator : SY/MD
Sample : Q2097-13
Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

Quant Time: May 22 00:10:51 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

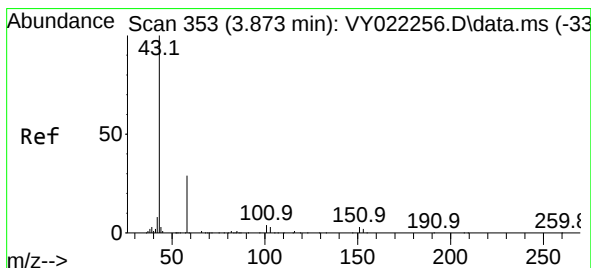
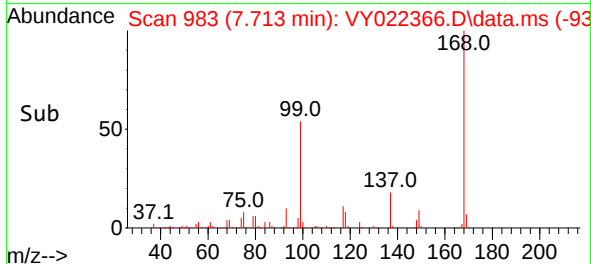
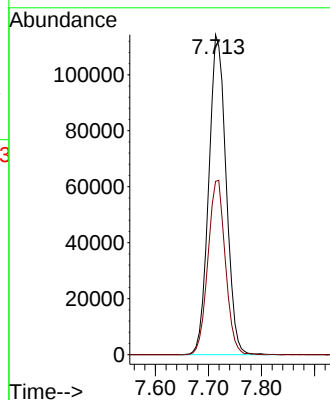
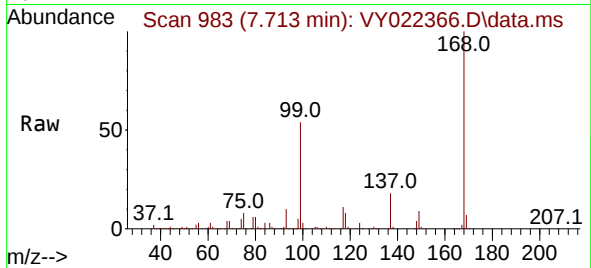




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

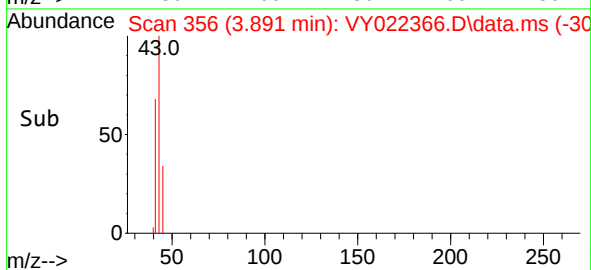
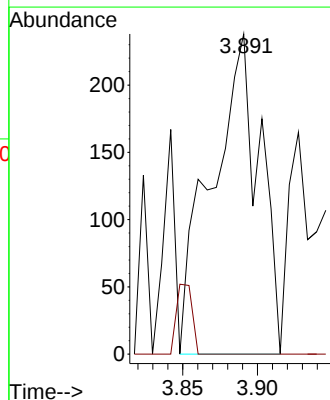
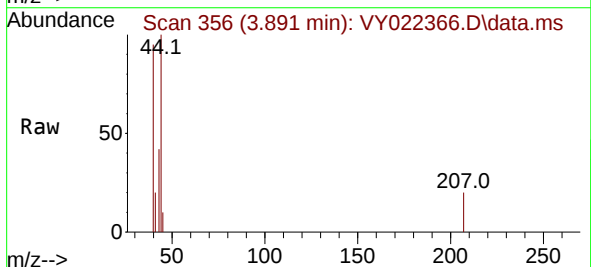
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

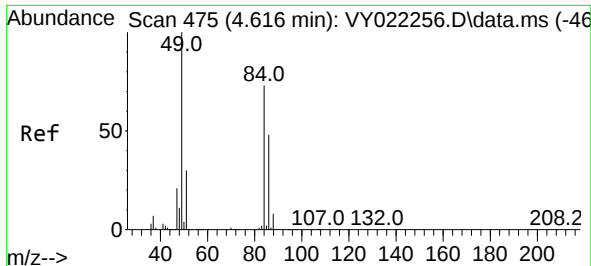
Tgt Ion:168 Resp: 259523
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#16
Acetone
Concen: 1.002 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

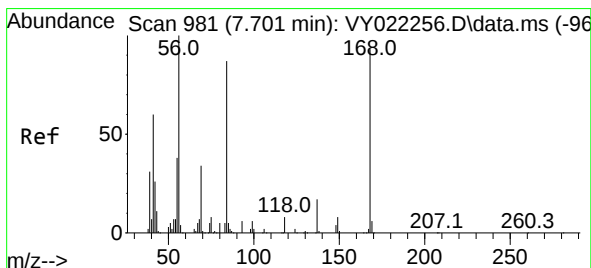
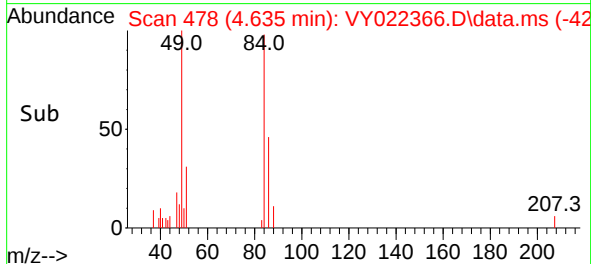
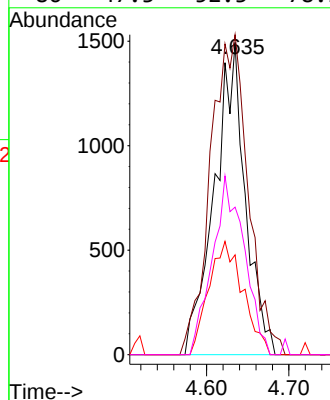
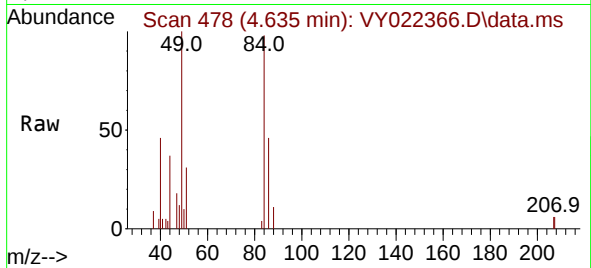




#20
Methylene Chloride
Concen: 1.132 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

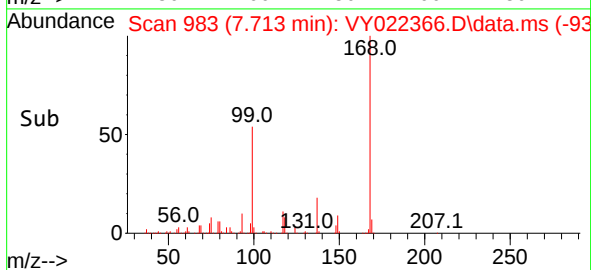
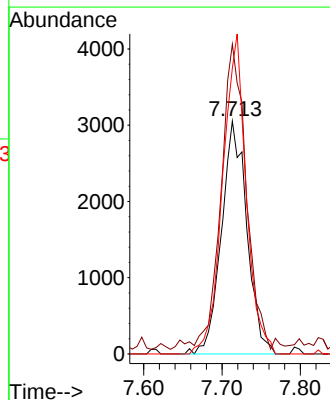
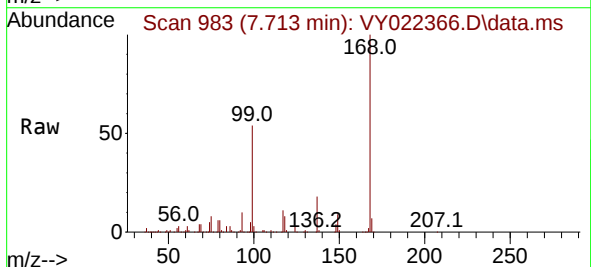
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

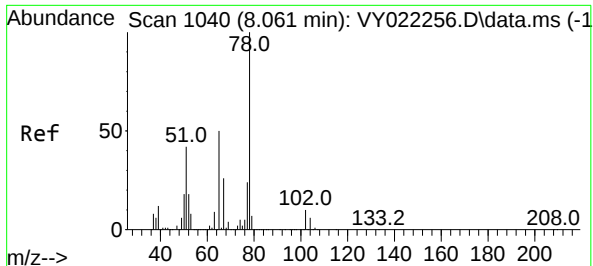
Tgt Ion:	84	Resp:	3890
Ion	Ratio	Lower	Upper
84	100		
49	102.5	109.6	164.4#
51	32.0	32.4	48.6#
86	47.3	52.3	78.5#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion:	56	Resp:	6876
Ion	Ratio	Lower	Upper
56	100		
69	128.9	27.4	41.2#
84	122.9	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 44.106 ug/l

RT: 8.067 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VY022366.D

Acq: 21 May 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

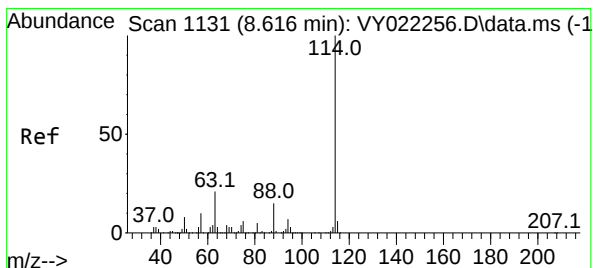
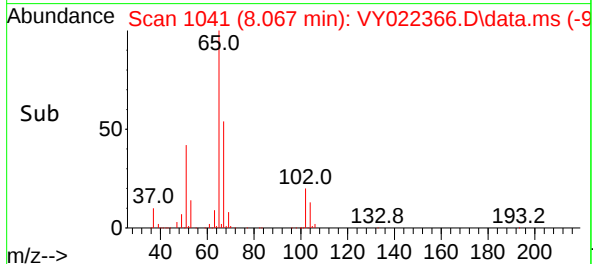
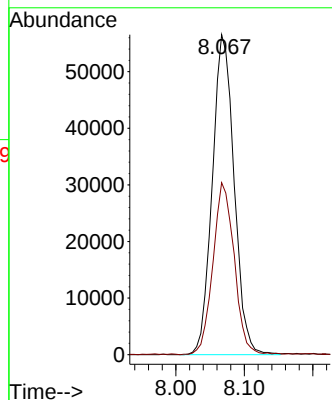
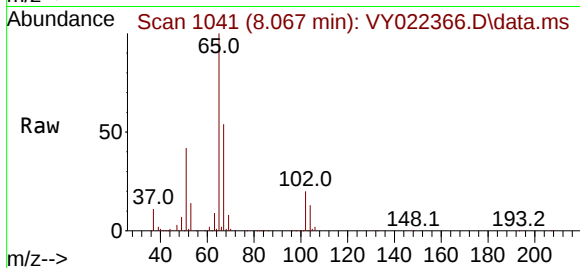
RBR251372

Tgt Ion: 65 Resp: 125101

Ion Ratio Lower Upper

65 100

67 52.6 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: VY022366.D

Acq: 21 May 2025 14:44

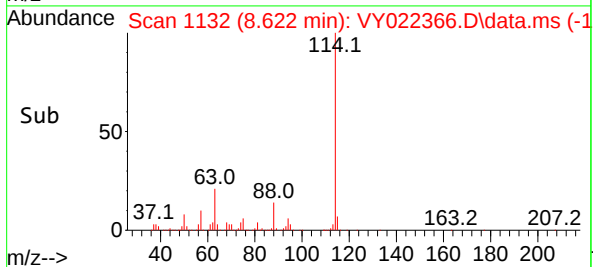
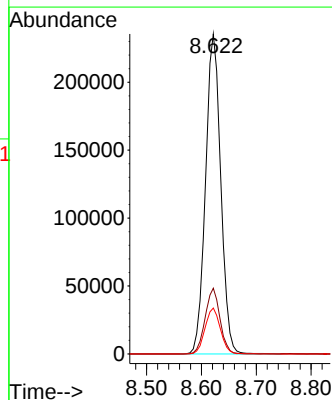
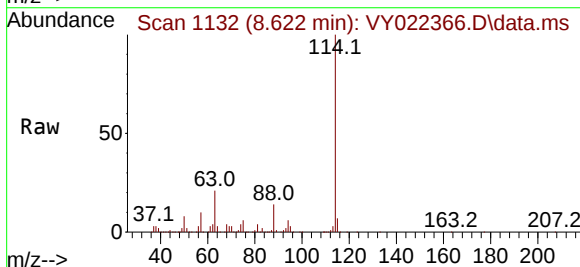
Tgt Ion: 114 Resp: 452832

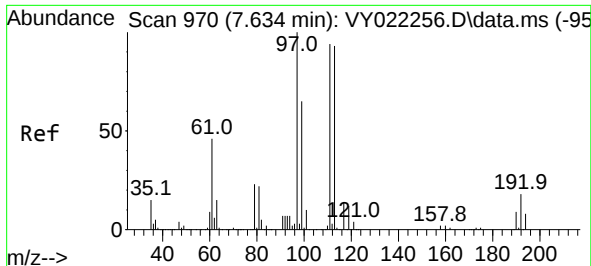
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.997 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY022366.D

Acq: 21 May 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

RBR251372

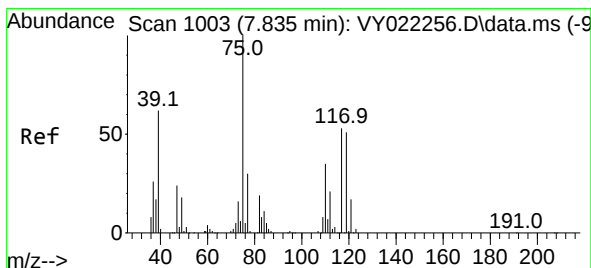
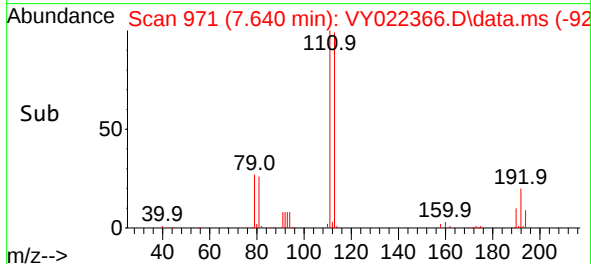
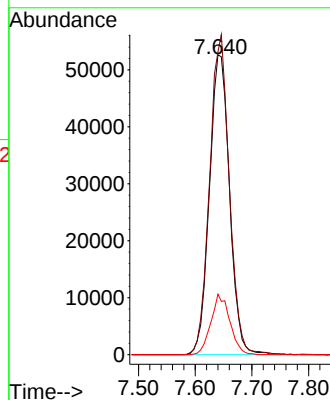
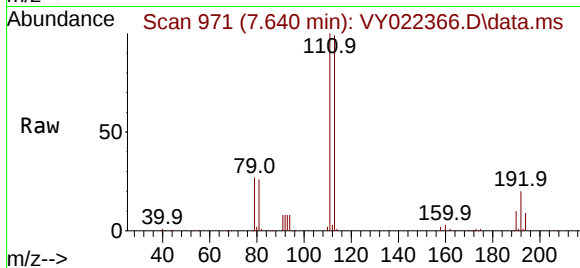
Tgt Ion:113 Resp: 129725

Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 19.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022366.D

Acq: 21 May 2025 14:44

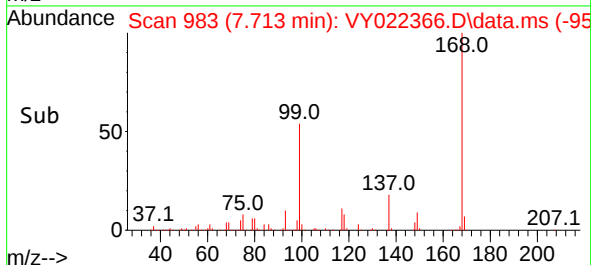
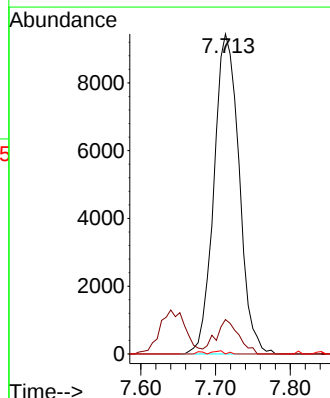
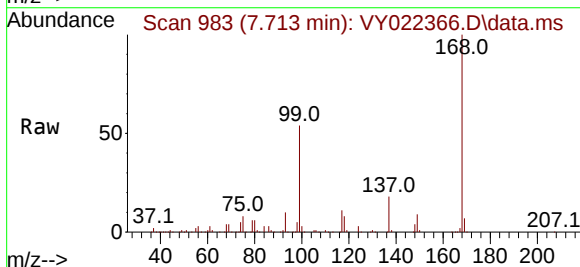
Tgt Ion: 75 Resp: 22079

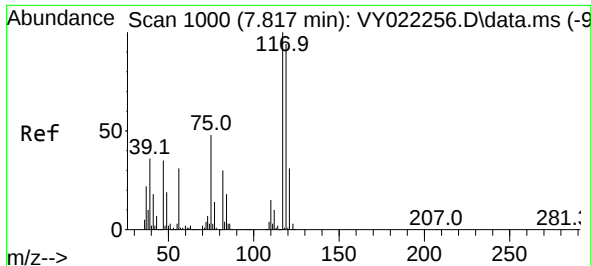
Ion Ratio Lower Upper

75 100

110 9.7 16.6 49.8#

77 0.5 24.6 37.0#

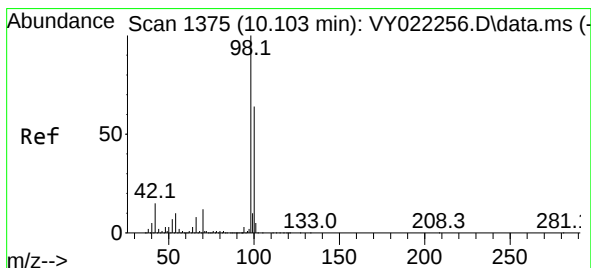
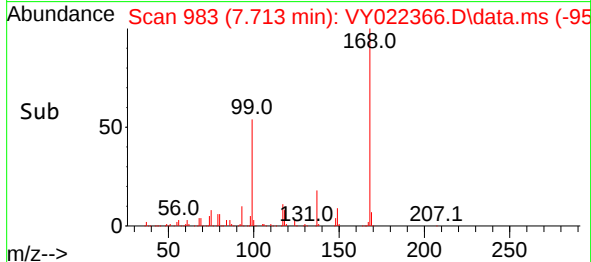
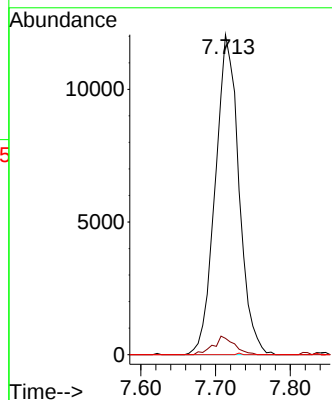
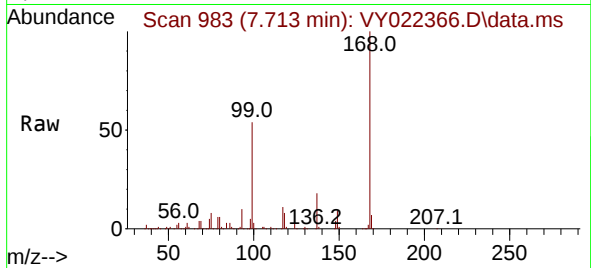




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

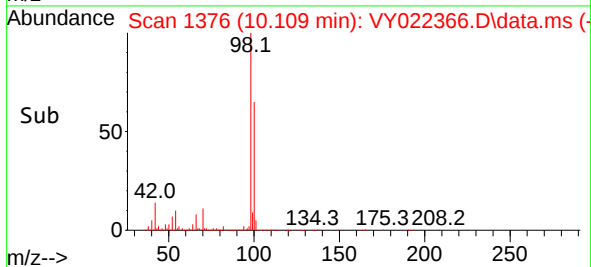
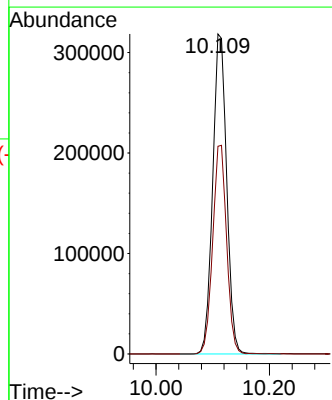
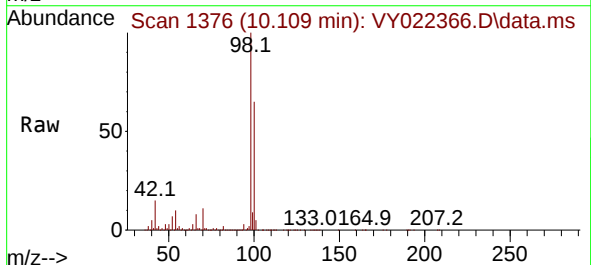
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

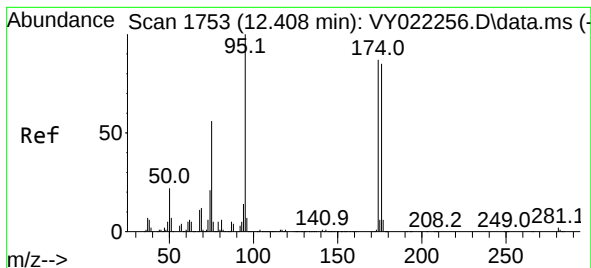
Tgt Ion:117 Resp: 26531
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 98 Resp: 543681
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8

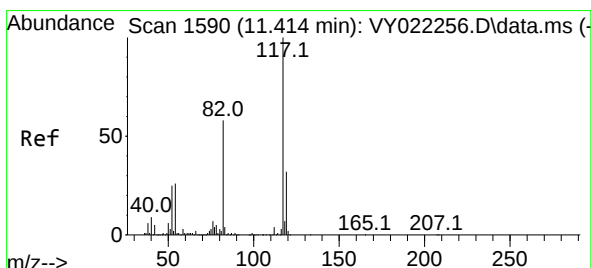
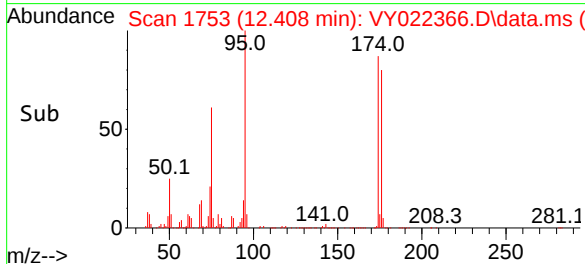
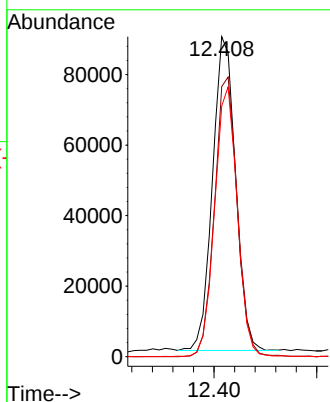
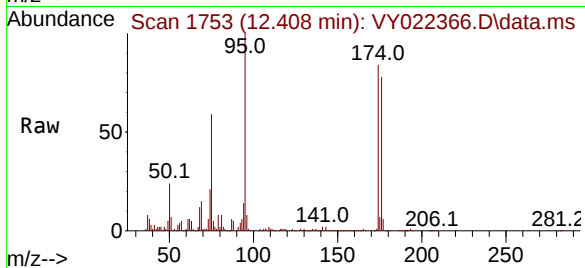




#62
4-Bromofluorobenzene
Concen: 39.330 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

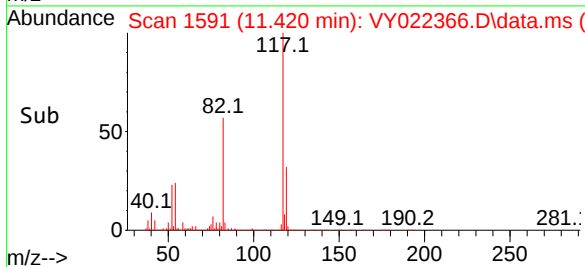
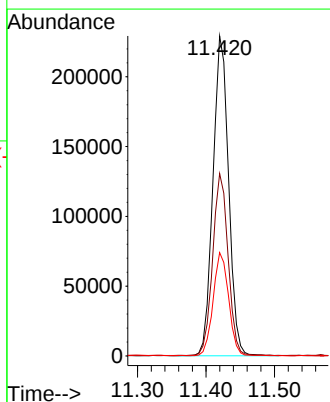
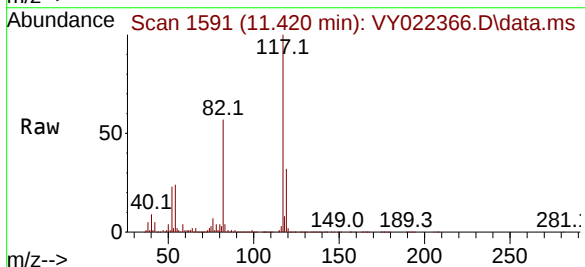
Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

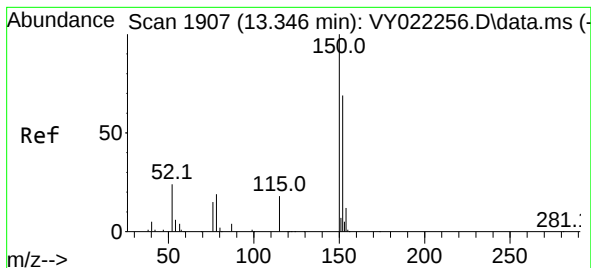
Tgt Ion: 95 Resp: 137995
Ion Ratio Lower Upper
95 100
174 88.8 0.0 166.8
176 84.7 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 117 Resp: 361760
Ion Ratio Lower Upper
117 100
82 56.9 46.6 70.0
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022366.D

Acq: 21 May 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

RBR251372

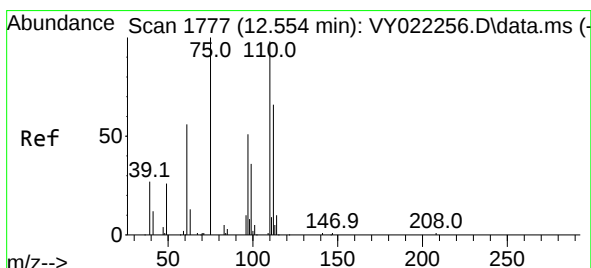
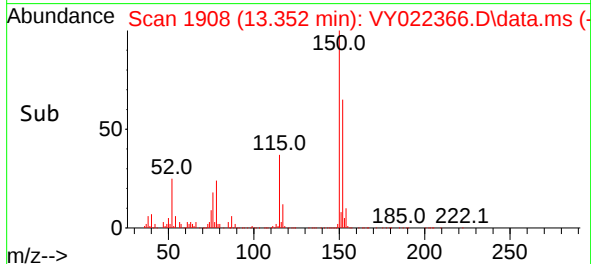
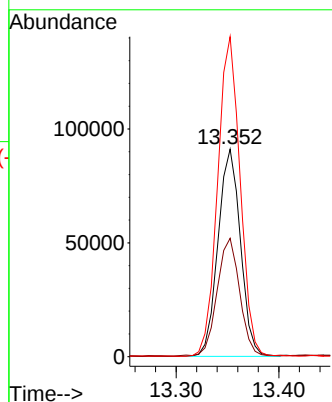
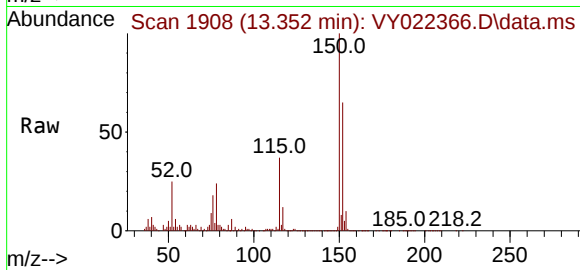
Tgt Ion:152 Resp: 137753

Ion Ratio Lower Upper

152 100

115 57.1 29.4 88.2

150 154.6 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 58.027 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022366.D

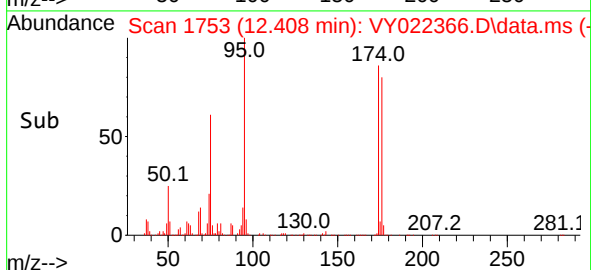
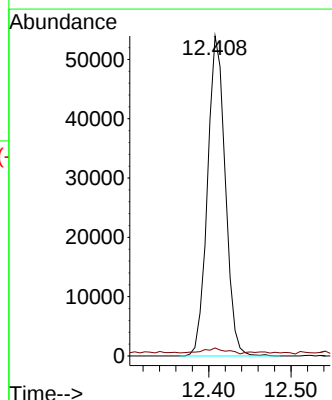
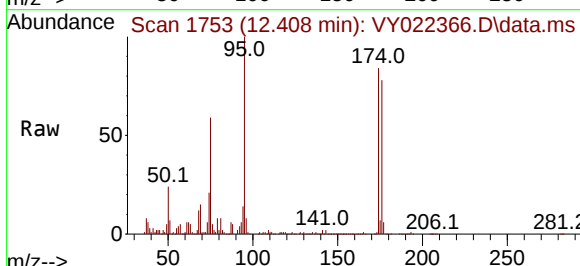
Acq: 21 May 2025 14:44

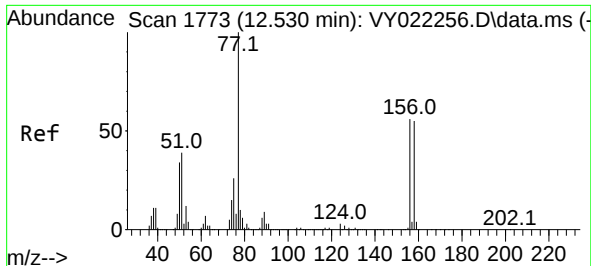
Tgt Ion: 75 Resp: 80982

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#

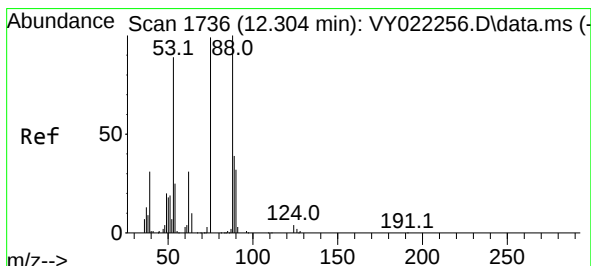
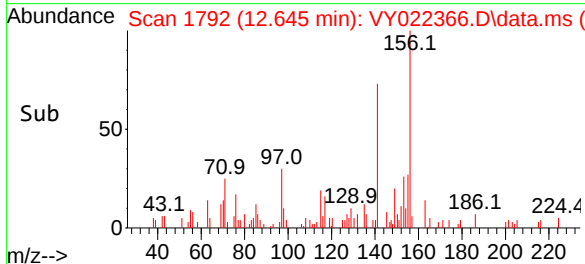
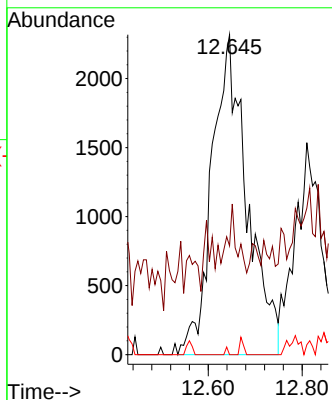
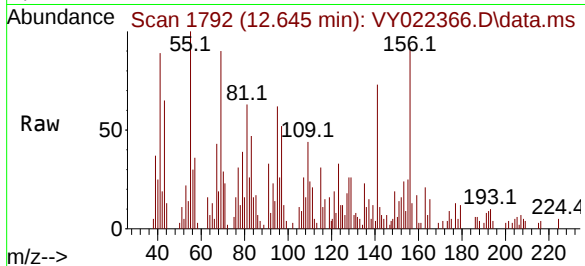




#77
Bromobenzene
Concen: 4.911 ug/l
RT: 12.645 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
RBR251372

Tgt Ion:156 Resp: 11970
Ion Ratio Lower Upper
156 100
77 5.5 94.5 283.6#
158 0.2 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.549 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022366.D
Acq: 21 May 2025 14:44

Tgt Ion: 75 Resp: 80982
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

