

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022336.D
 Acq On : 20 May 2025 12:38
 Operator : SY/MD
 Sample : Q2056-02
 Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD12

Quant Time: May 21 01:47:11 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)

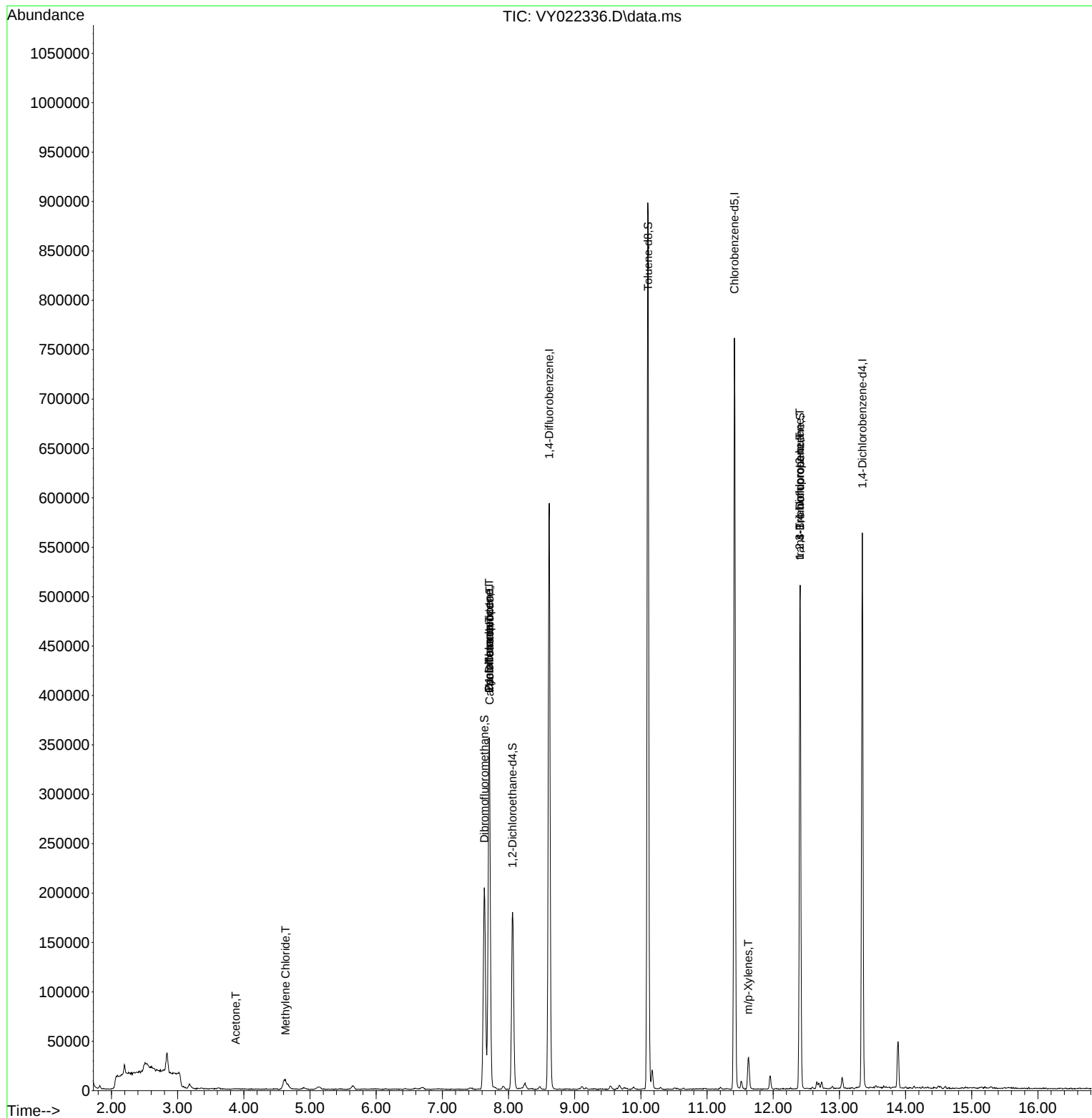
Internal Standards						
1) Pentafluorobenzene	7.707	168	269526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	481628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	373395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133163	45.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.420%
35) Dibromofluoromethane	7.634	113	139671	48.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.180%
50) Toluene-d8	10.109	98	568849	48.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.407	95	139726	37.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.880%
Target Compounds						
					Qvalue	
16) Acetone	3.878	43	629	1.139	ug/l #	45
20) Methylene Chloride	4.628	84	5832	1.634	ug/l #	76
31) Cyclohexane	7.707	56	7938	1.332	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	23431	4.949	ug/l #	51
38) Carbon Tetrachloride	7.713	117	27439	5.598	ug/l #	16
68) m/p-Xylenes	11.621	106	9725	1.636	ug/l	96
76) 1,2,3-Trichloropropane	12.401	75	82413	63.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	82413	127.828	ug/l #	12

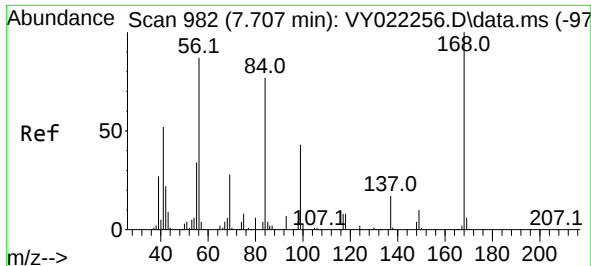
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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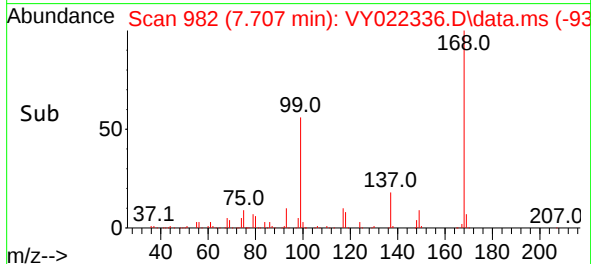
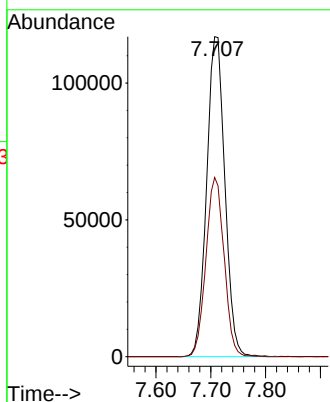
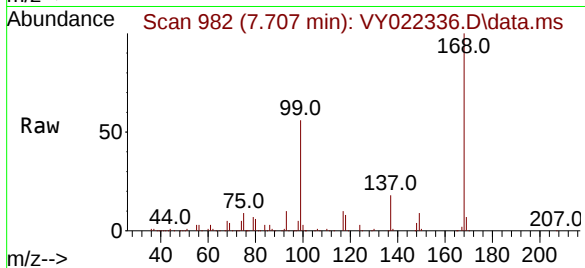




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

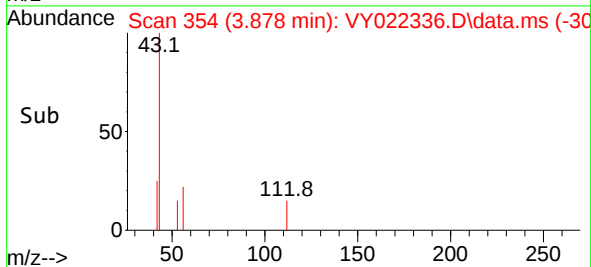
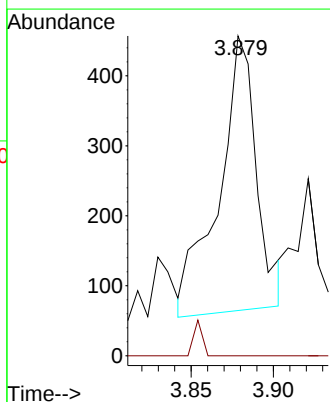
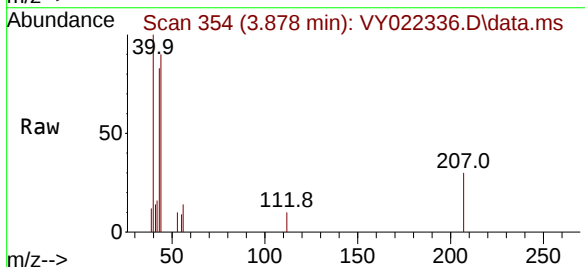
Instrument :
MSVOA_Y
ClientSampleId :
GVD12

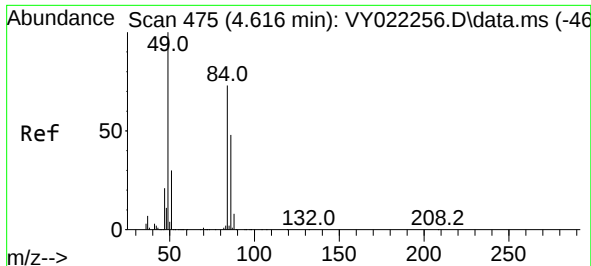
Tgt Ion:168 Resp: 269526
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#16
Acetone
Concen: 1.139 ug/l
RT: 3.878 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

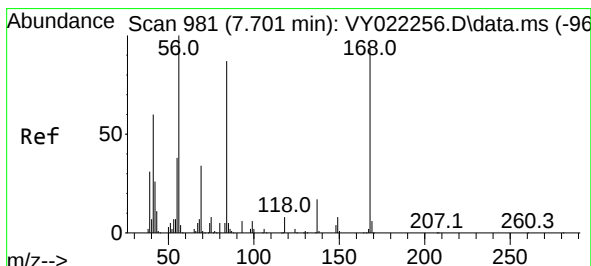
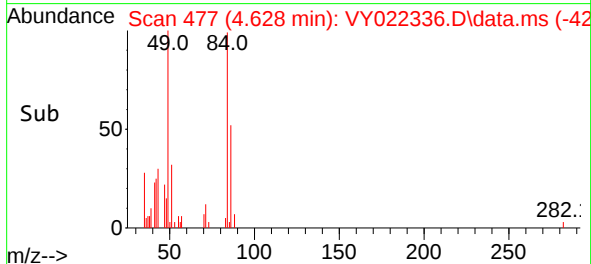
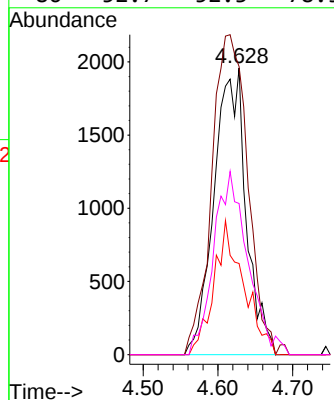
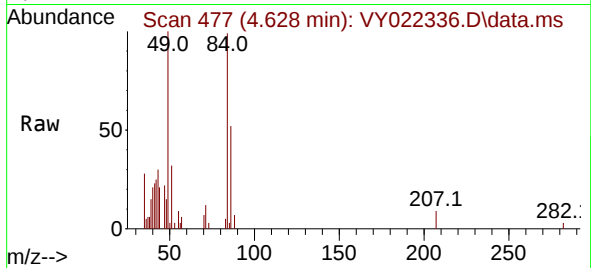




#20
Methylene Chloride
Concen: 1.634 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

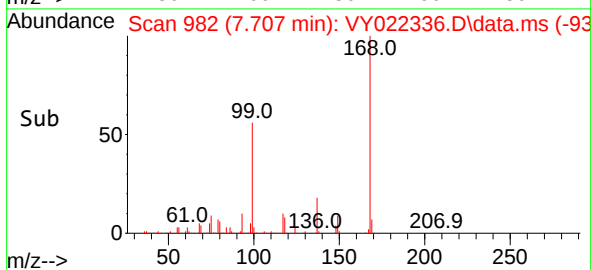
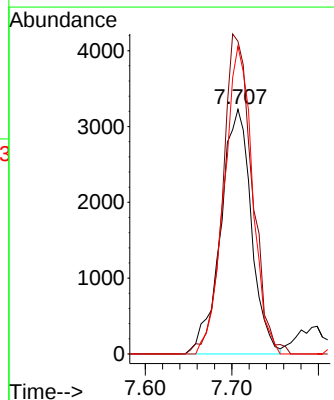
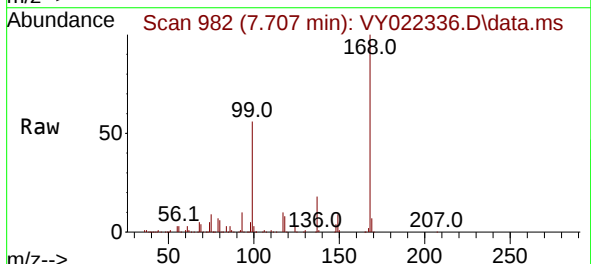
Instrument :
MSVOA_Y
ClientSampleId :
GVD12

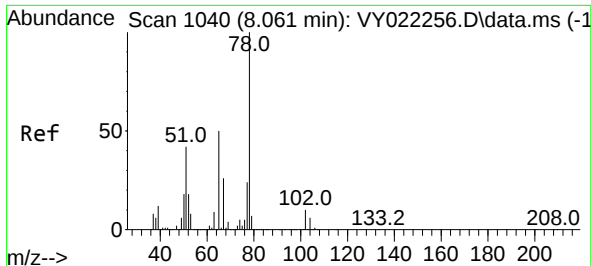
Tgt Ion:	84	Resp:	5832
Ion	Ratio	Lower	Upper
84	100		
49	100.5	109.6	164.4#
51	31.8	32.4	48.6#
86	52.7	52.3	78.5



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion:	56	Resp:	7938
Ion	Ratio	Lower	Upper
56	100		
69	127.8	27.4	41.2#
84	125.8	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 45.206 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022336.D

Acq: 20 May 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

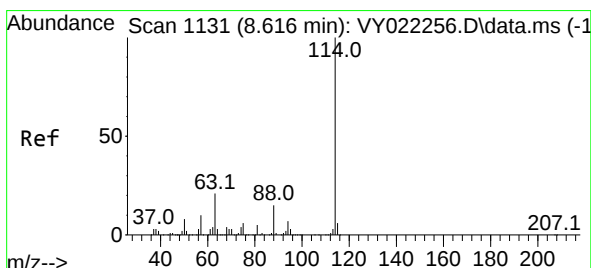
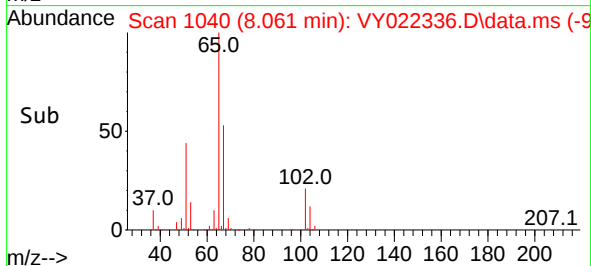
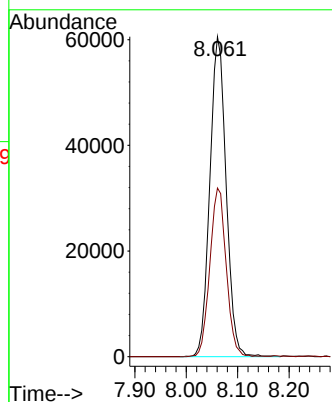
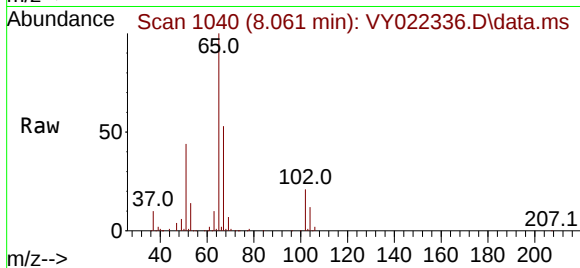
GVD12

Tgt Ion: 65 Resp: 133163

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022336.D

Acq: 20 May 2025 12:38

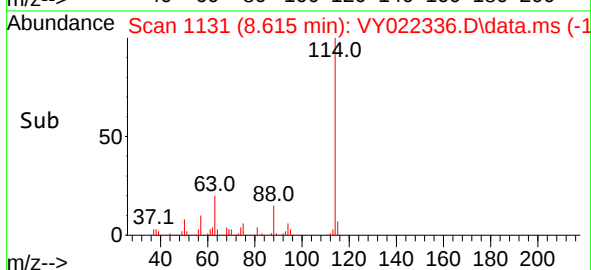
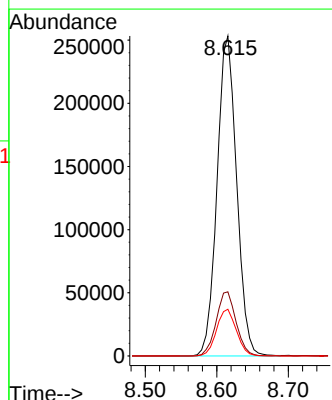
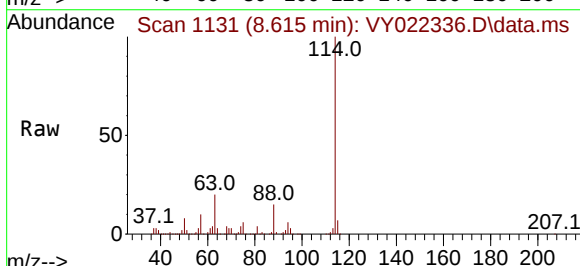
Tgt Ion: 114 Resp: 481628

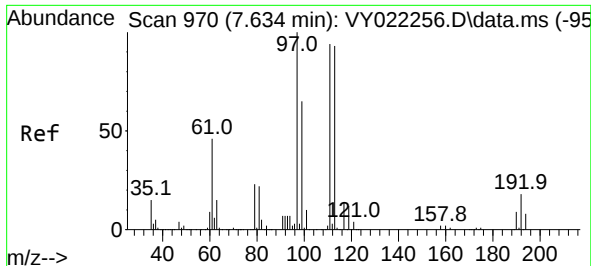
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.587 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022336.D

Acq: 20 May 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

GVD12

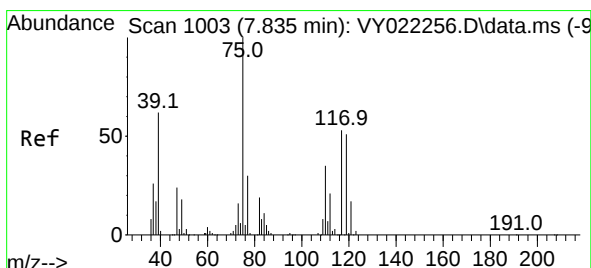
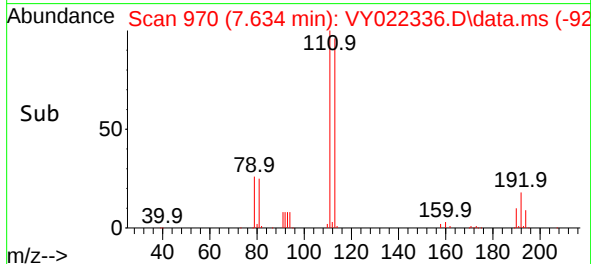
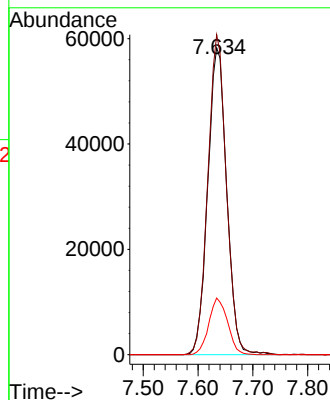
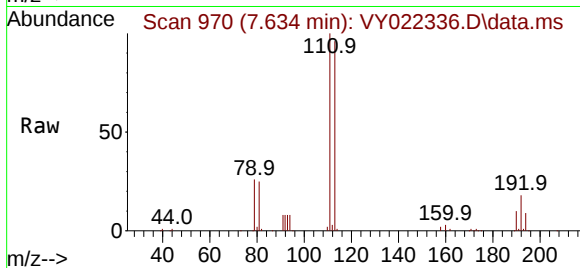
Tgt Ion:113 Resp: 139671

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 18.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022336.D

Acq: 20 May 2025 12:38

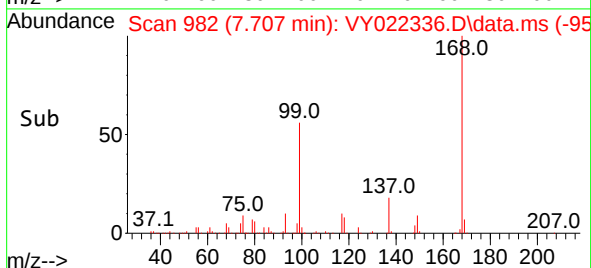
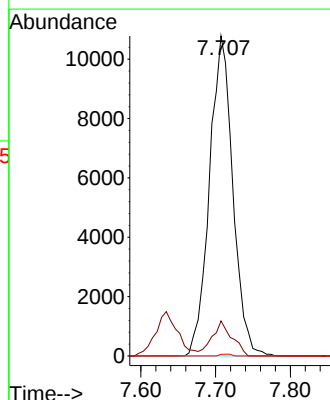
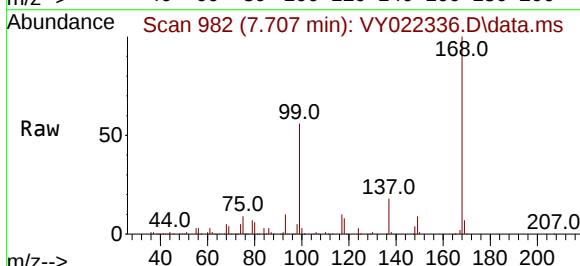
Tgt Ion: 75 Resp: 23431

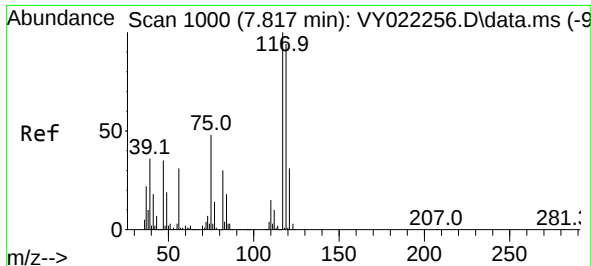
Ion Ratio Lower Upper

75 100

110 9.3 16.6 49.8#

77 0.3 24.6 37.0#

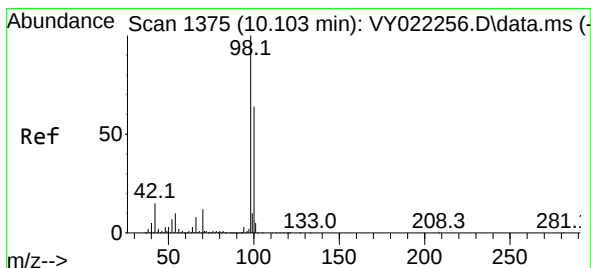
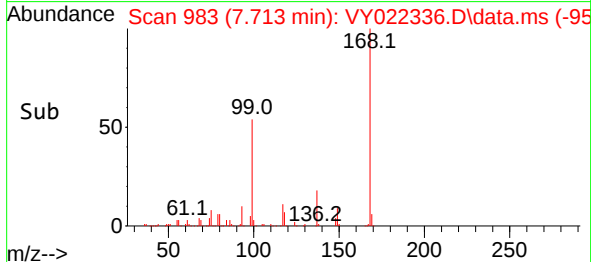
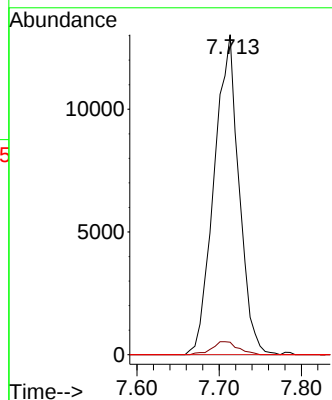
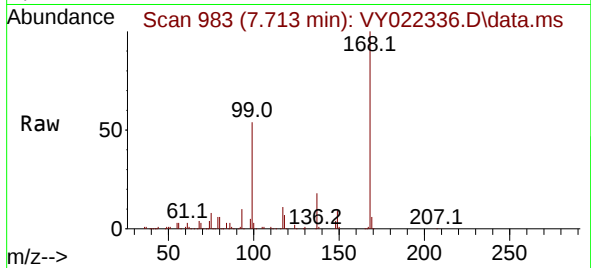




#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

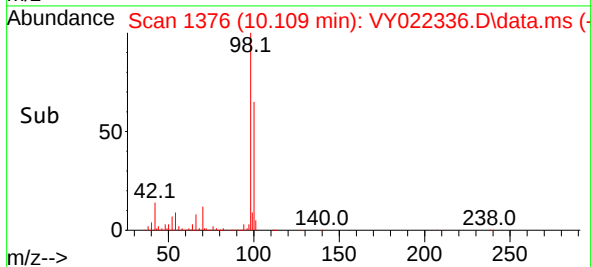
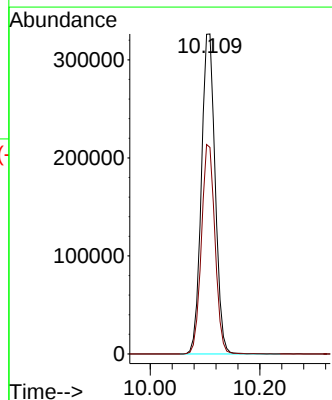
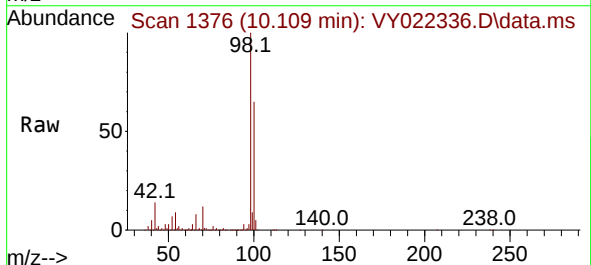
Instrument :
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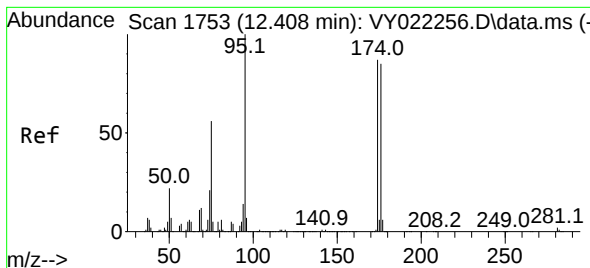
Tgt Ion:117 Resp: 27439
Ion Ratio Lower Upper
117 100
119 3.9 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.317 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 98 Resp: 568849
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8

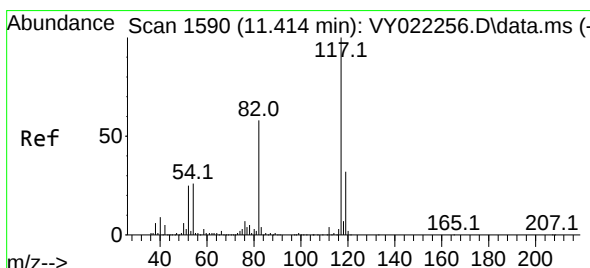
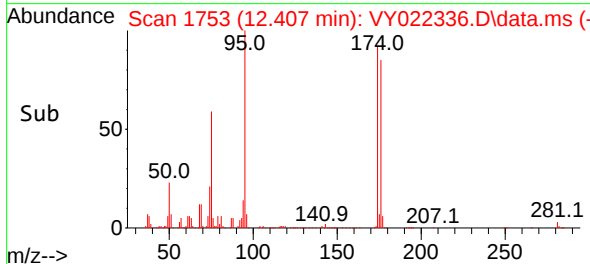
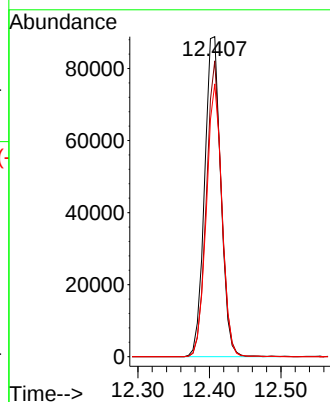
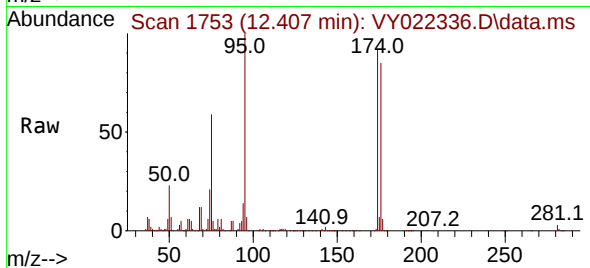




#62
4-Bromofluorobenzene
Concen: 37.443 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

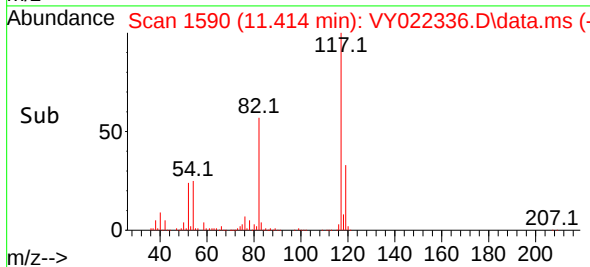
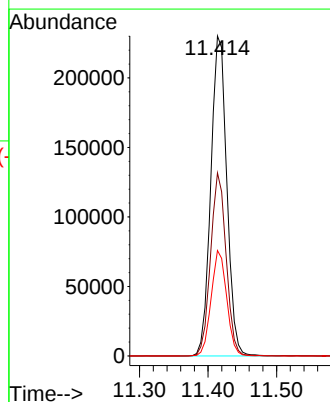
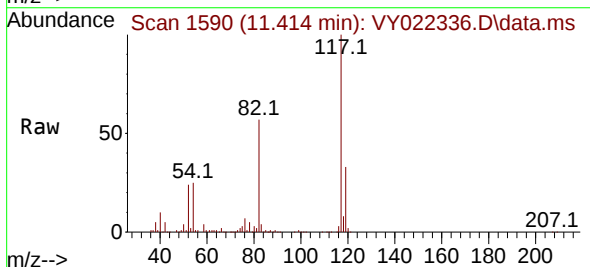
Instrument :
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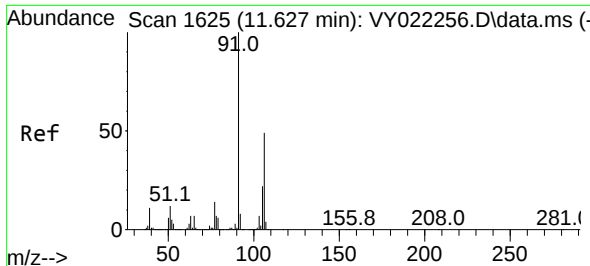
Tgt Ion: 95 Resp: 139726
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 82.2 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 117 Resp: 373395
Ion Ratio Lower Upper
117 100
82 57.2 46.6 70.0
119 32.9 25.8 38.6

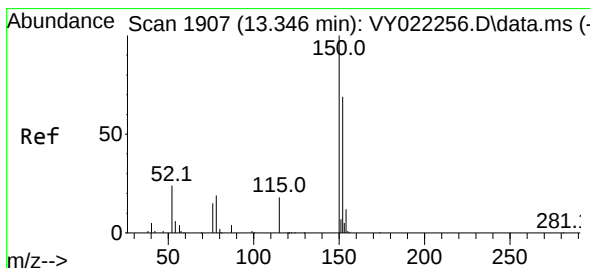
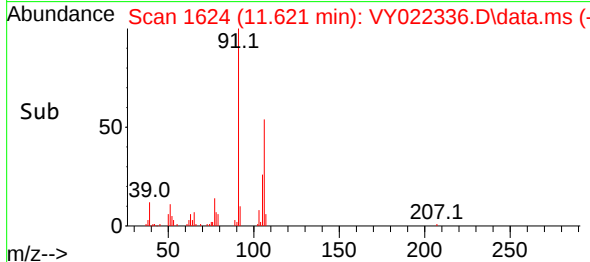
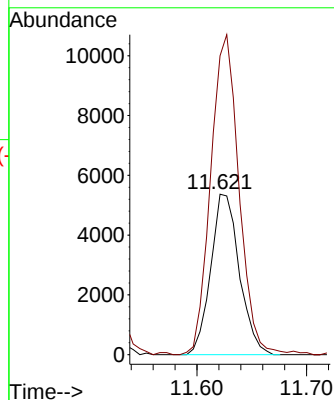
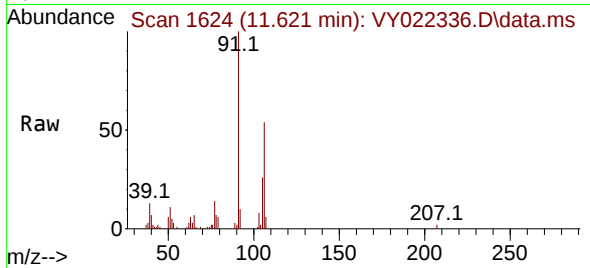




#68
m/p-Xylenes
Concen: 1.636 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

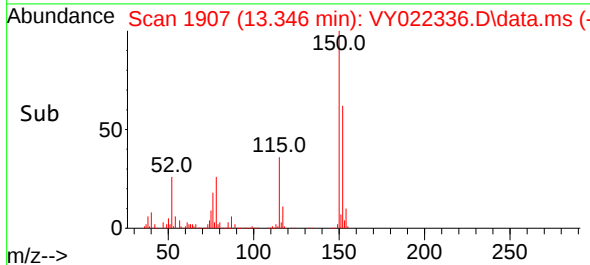
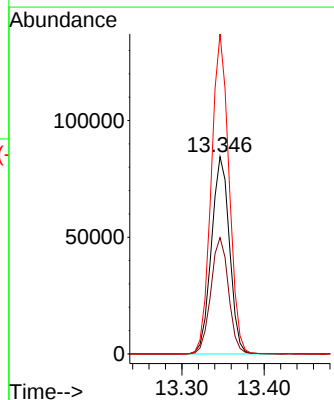
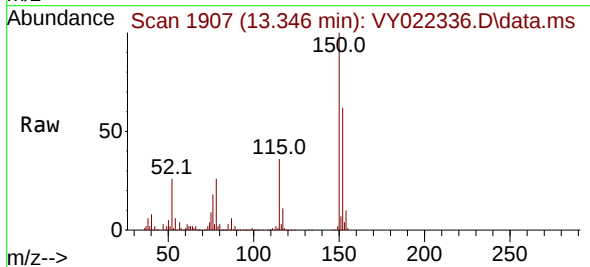
Instrument :
MSVOA_Y
ClientSampleId :
GVD12

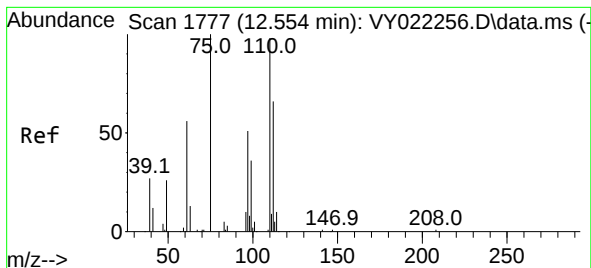
Tgt Ion:106 Resp: 9725
Ion Ratio Lower Upper
106 100
91 198.0 163.0 244.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion:152 Resp: 128914
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.2
150 159.3 0.0 353.8

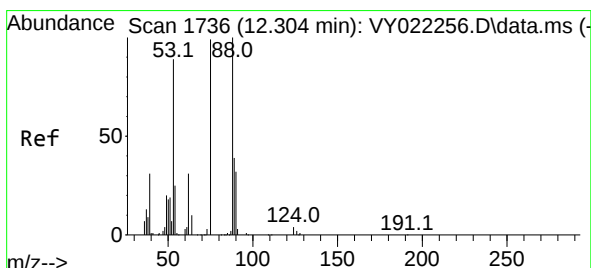
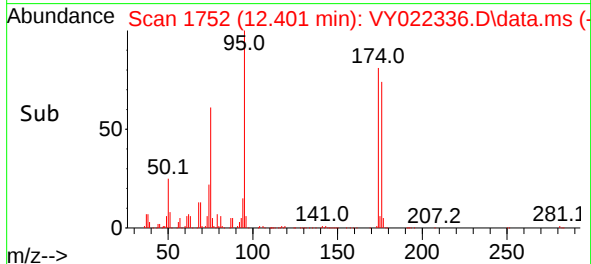
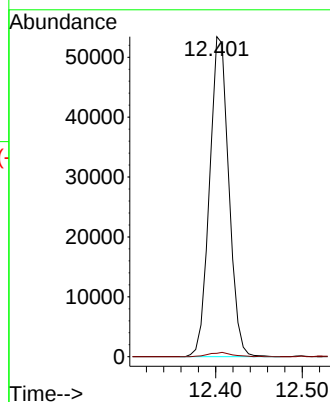
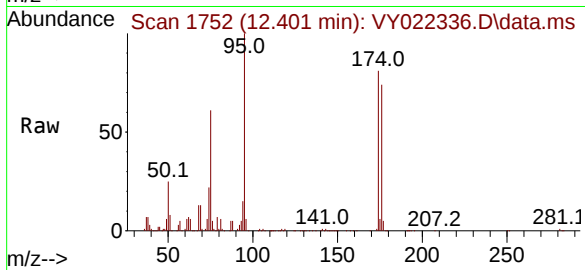




#76
1,2,3-Trichloropropane
Concen: 63.102 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion: 75 Resp: 82413
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.828 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 75 Resp: 82413
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 36.2 54.2#

