

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022339.D
 Acq On : 20 May 2025 13:48
 Operator : SY/MD
 Sample : Q2056-05
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD15

Quant Time: May 21 01:48:24 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)

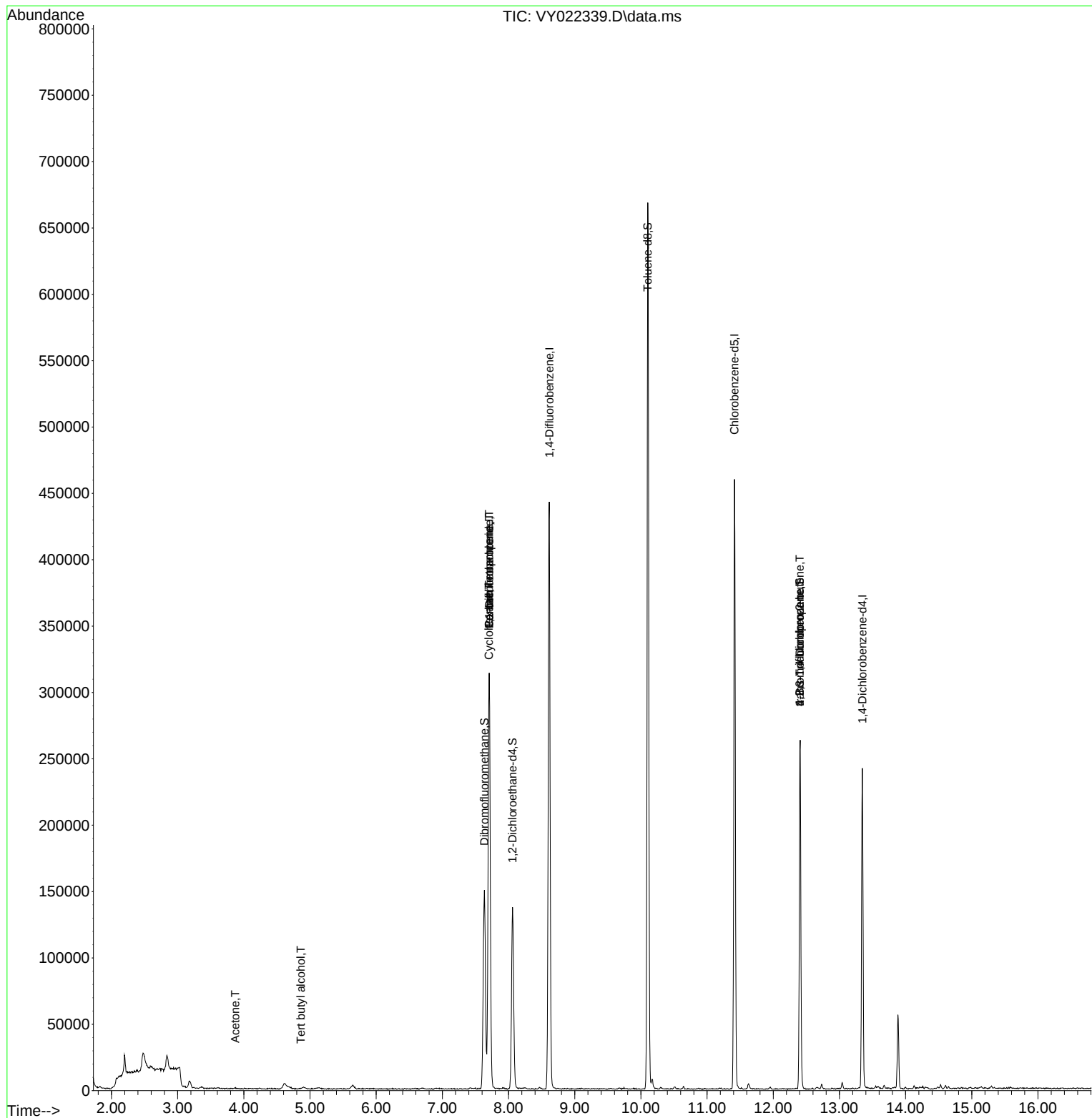
Internal Standards						
1) Pentafluorobenzene	7.707	168	237706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	56614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102893	39.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.220%
35) Dibromofluoromethane	7.634	113	103910	47.316	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.640%
50) Toluene-d8	10.103	98	415289	46.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.402	95	71596	25.114	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	380	1.915	ug/l #	100
16) Acetone	3.873	43	781	1.603	ug/l	92
31) Cyclohexane	7.701	56	6753	1.285	ug/l #	36
36) 1,1-Dichloropropene	7.707	75	20528	5.675	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24652	6.584	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	42825	74.665	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	42825	151.253	ug/l #	12

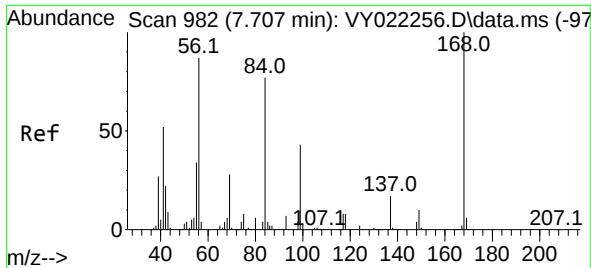
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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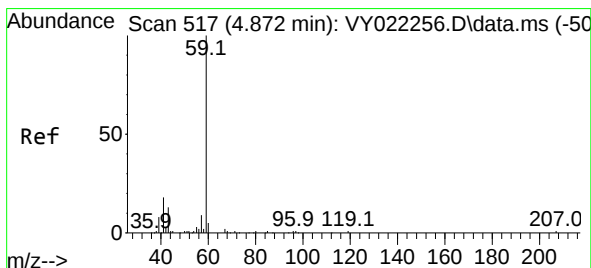
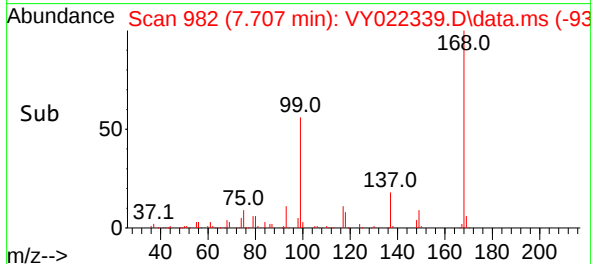
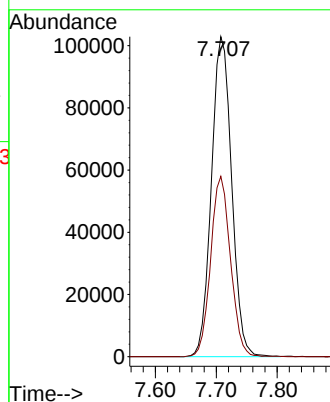
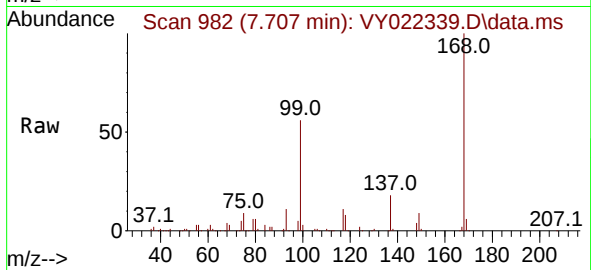




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

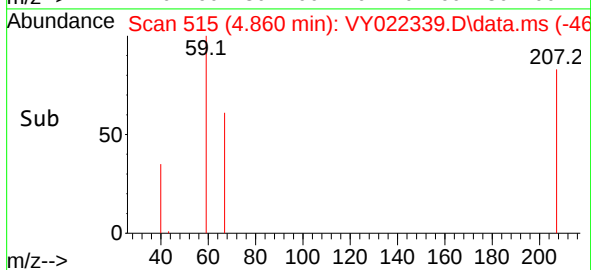
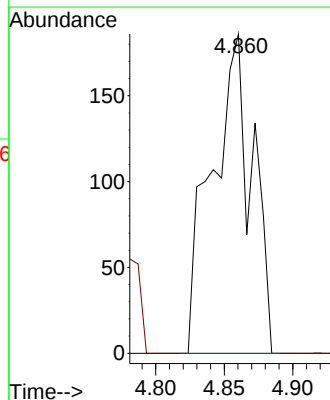
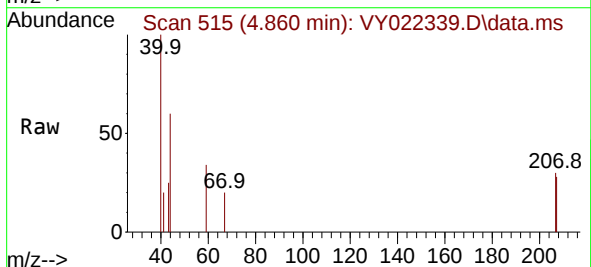
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

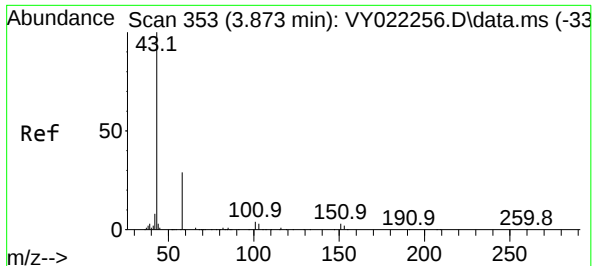
Tgt Ion:168 Resp: 237706
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.915 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

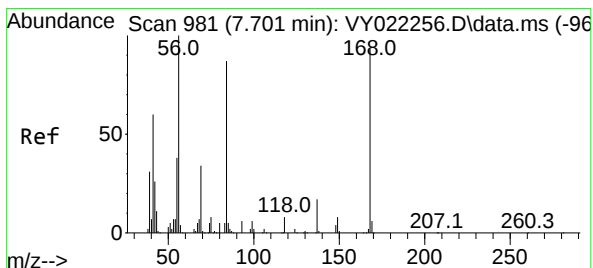
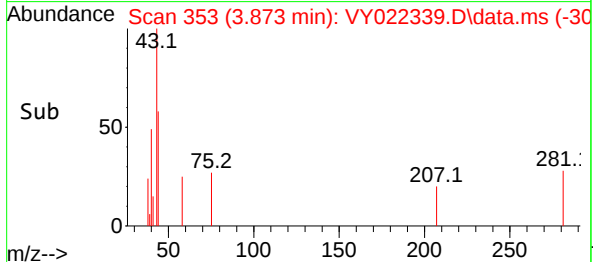
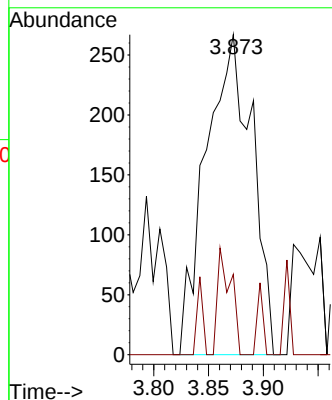
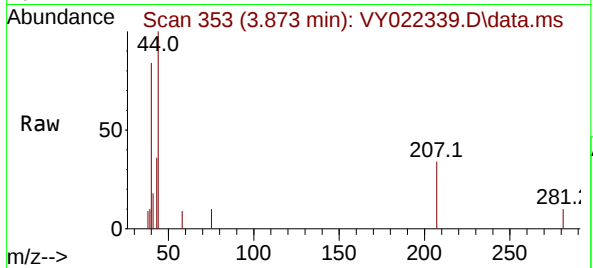




#16
Acetone
Concen: 1.603 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

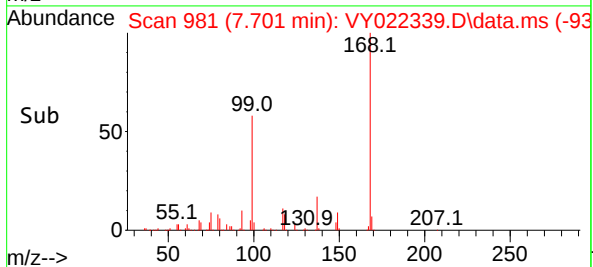
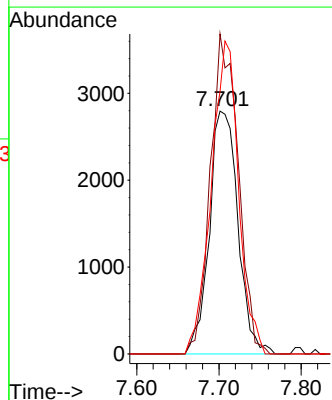
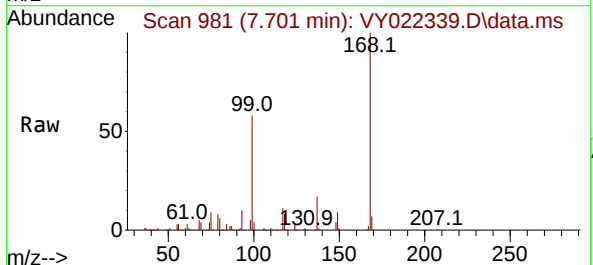
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

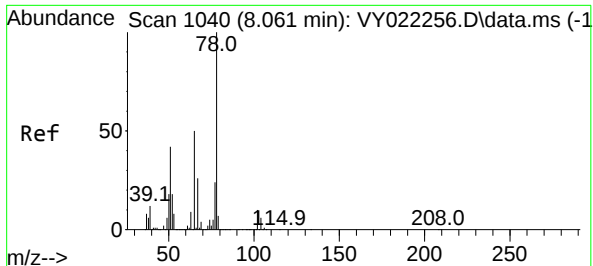
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 25.1 23.6 35.4



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 56 Resp: 6753
Ion Ratio Lower Upper
56 100
69 131.8 27.4 41.2#
84 108.1 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 39.606 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022339.D

Acq: 20 May 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

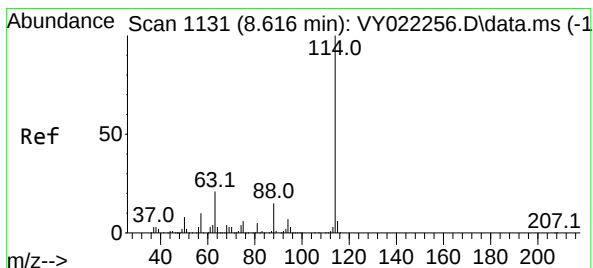
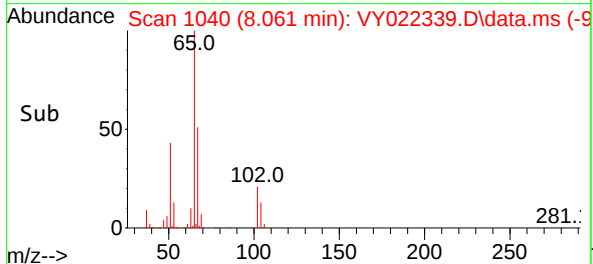
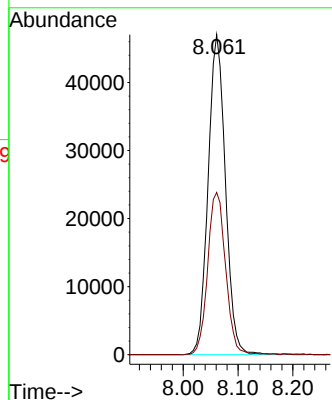
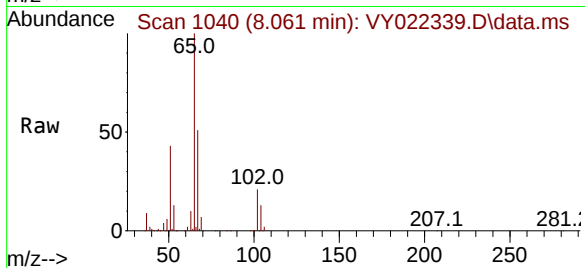
GVD15

Tgt Ion: 65 Resp: 102893

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022339.D

Acq: 20 May 2025 13:48

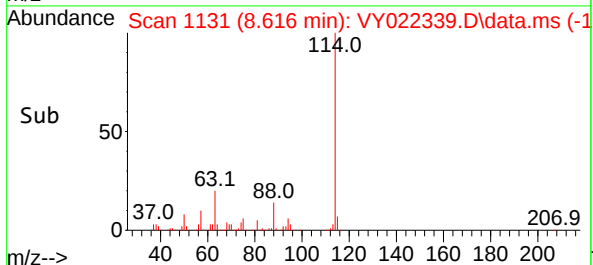
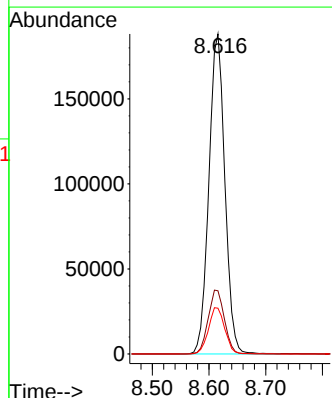
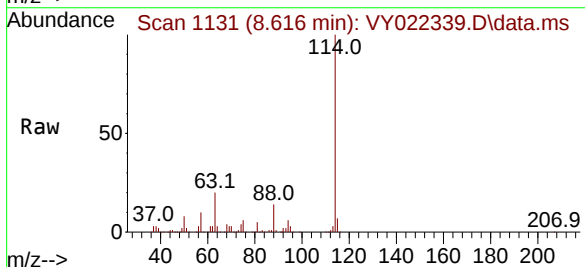
Tgt Ion: 114 Resp: 367943

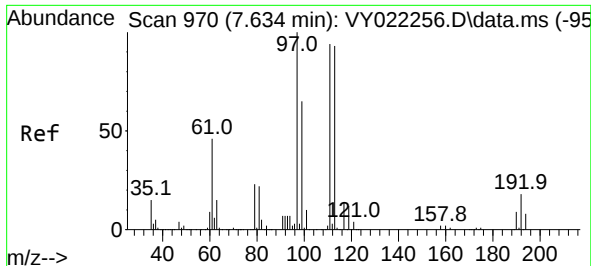
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 14.3 0.0 29.4

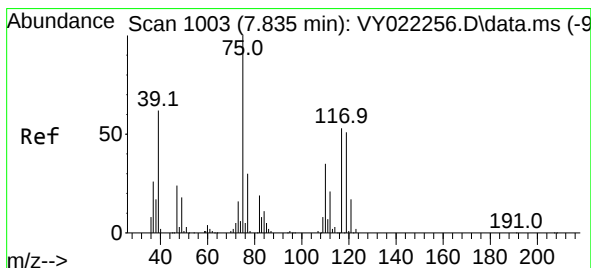
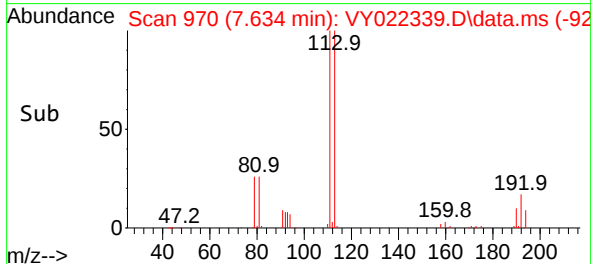
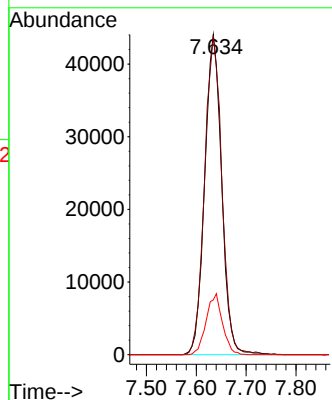
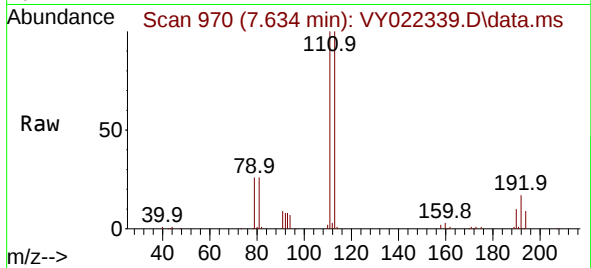




#35
Dibromofluoromethane
Concen: 47.316 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

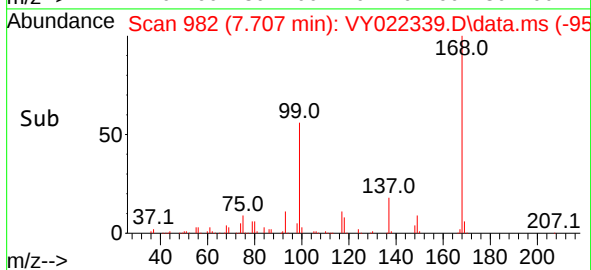
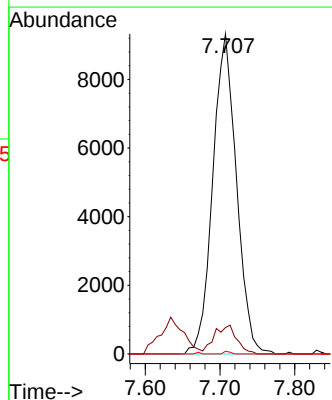
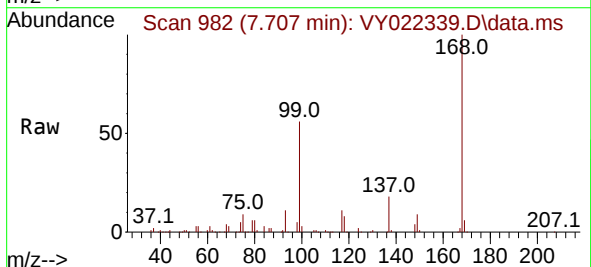
Instrument :
MSVOA_Y
ClientSampleId :
GVD15

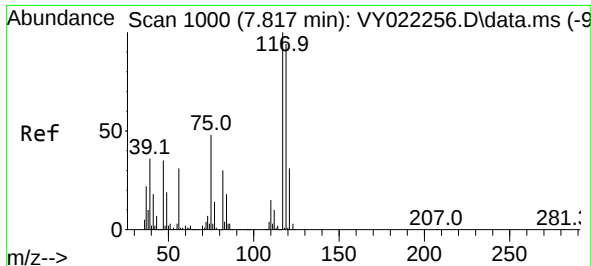
Tgt Ion:113 Resp: 103910
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 18.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.675 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 75 Resp: 20528
Ion Ratio Lower Upper
75 100
110 8.5 16.6 49.8#
77 0.2 24.6 37.0#

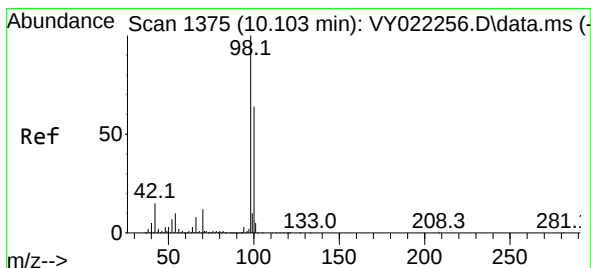
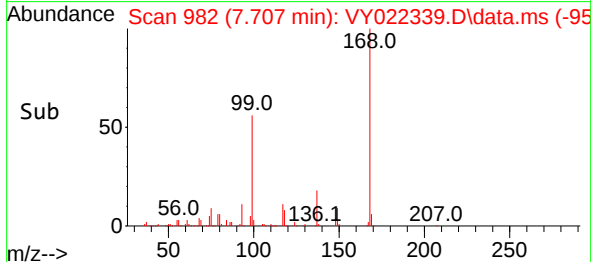
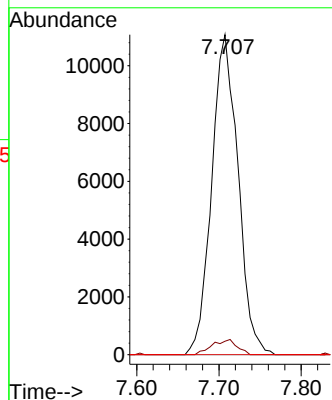
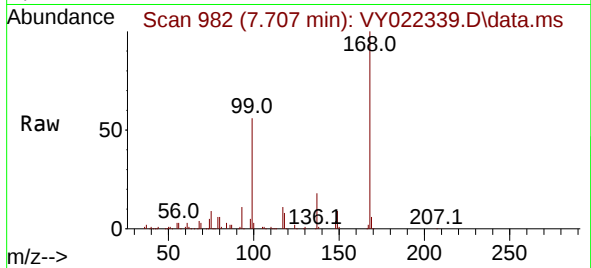




#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

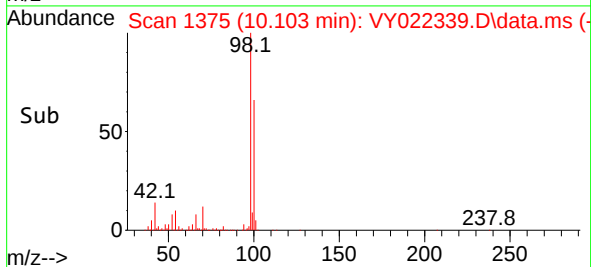
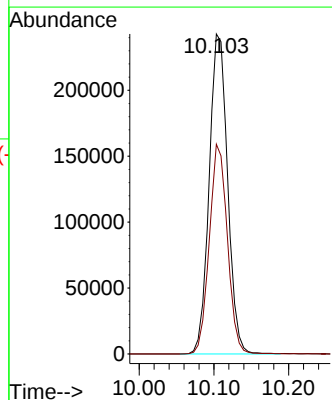
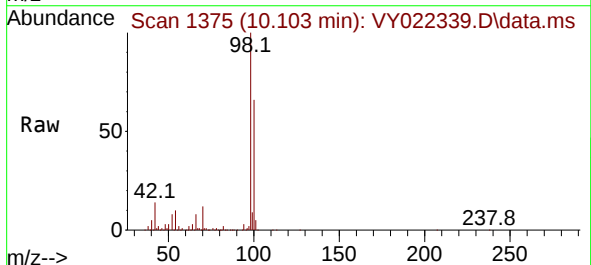
Instrument :
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ClientSampleId :
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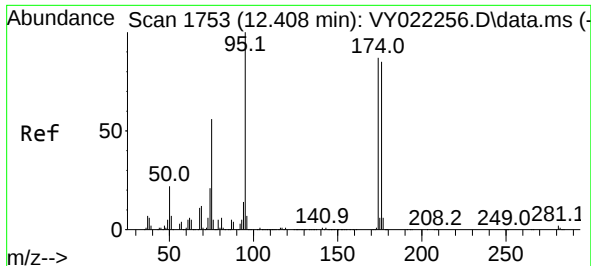
Tgt Ion:117 Resp: 24652
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.173 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 98 Resp: 415289
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

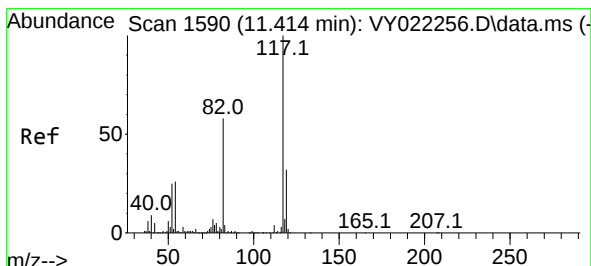
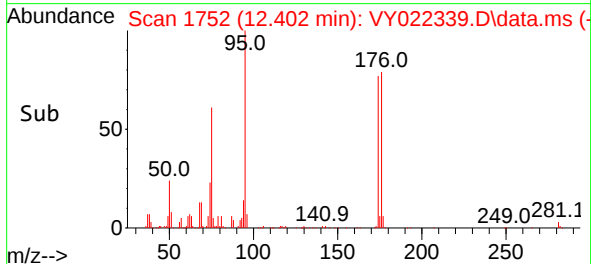
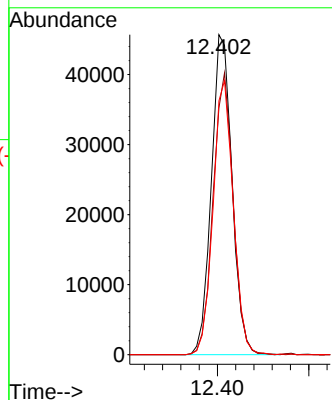
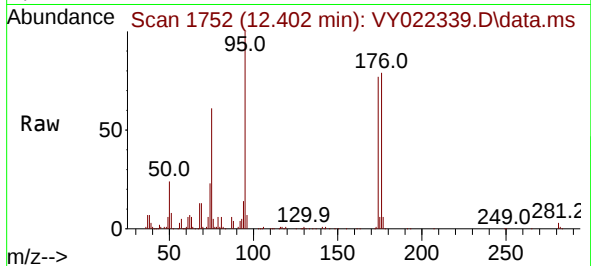




#62
4-Bromofluorobenzene
Concen: 25.114 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

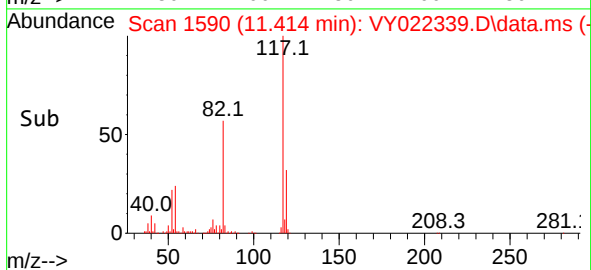
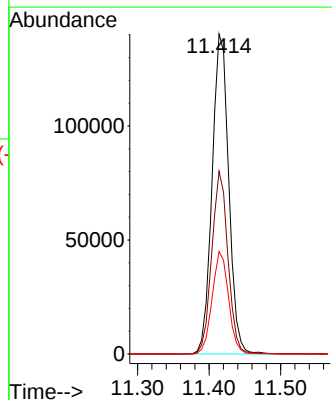
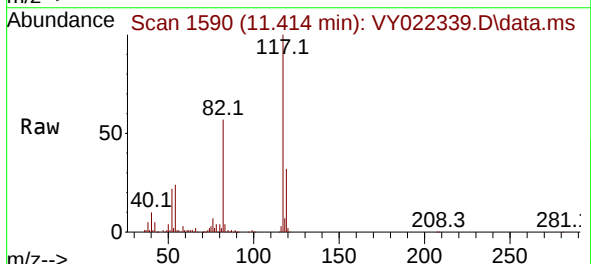
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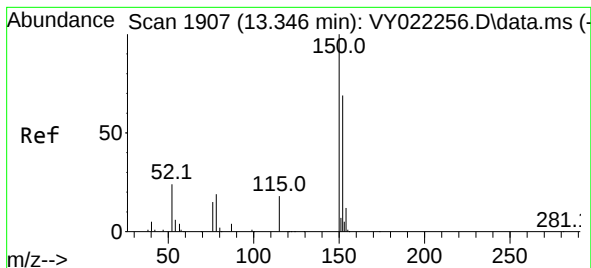
Tgt Ion: 95 Resp: 71596
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 84.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022339.D
Acq: 20 May 2025 13:48

Tgt Ion: 117 Resp: 226654
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022339.D

Acq: 20 May 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

GVD15

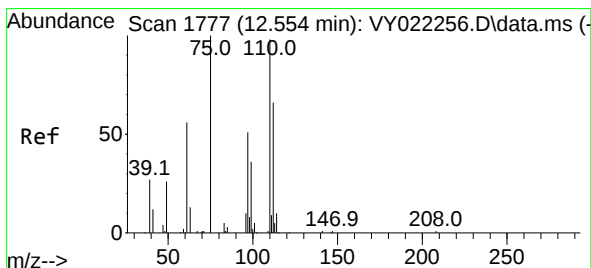
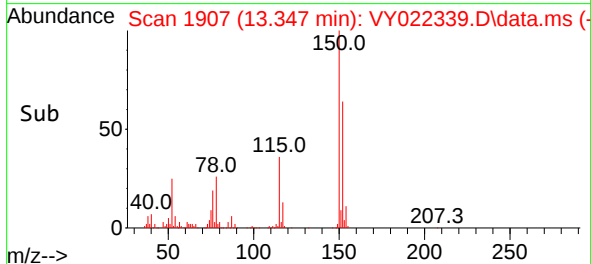
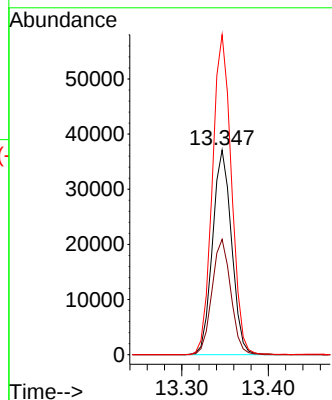
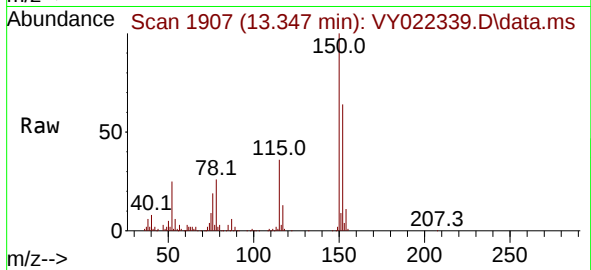
Tgt Ion:152 Resp: 56614

Ion Ratio Lower Upper

152 100

115 55.7 29.4 88.2

150 156.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 74.665 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022339.D

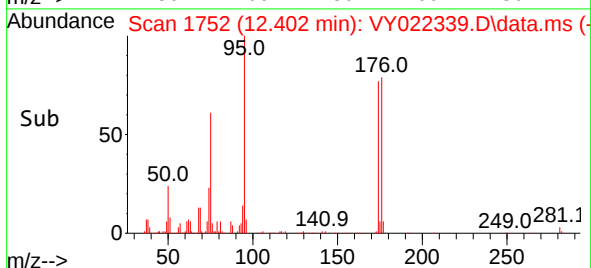
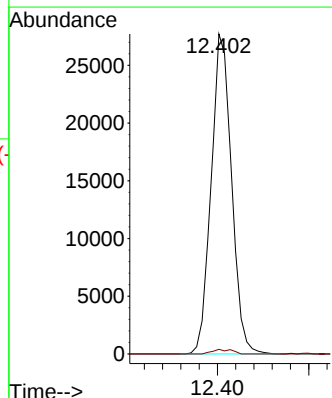
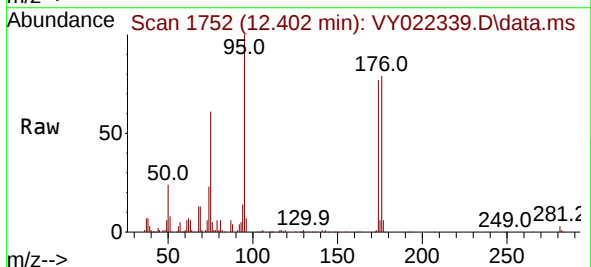
Acq: 20 May 2025 13:48

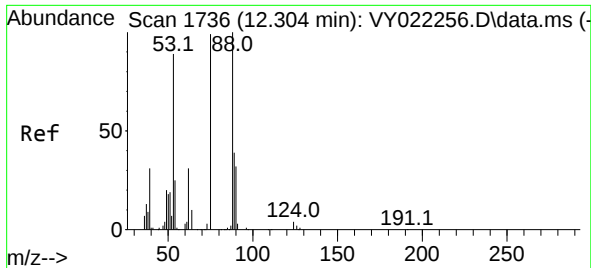
Tgt Ion: 75 Resp: 42825

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.253 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022339.D
 Acq: 20 May 2025 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 GVD15

Tgt Ion: 75 Resp: 42825
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#

