

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022432.D
 Acq On : 27 May 2025 14:27
 Operator : SY/MD
 Sample : Q2118-11RE
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-500-502RE

Quant Time: May 28 15:26:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

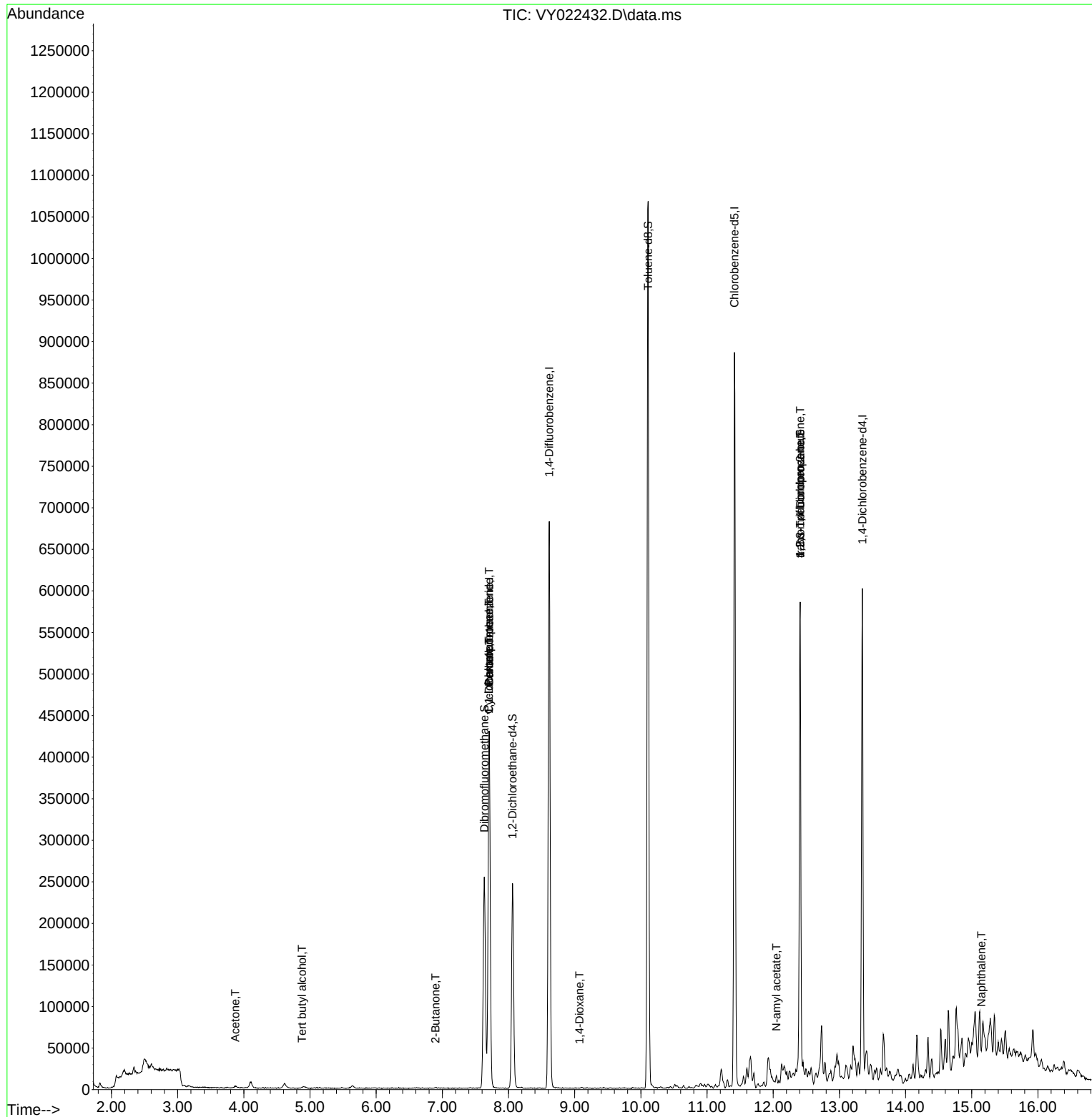
Internal Standards						
1) Pentafluorobenzene	7.707	168	322318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	572594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	436021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180844	53.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.540%			
35) Dibromofluoromethane	7.634	113	174066	51.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.820%			
50) Toluene-d8	10.109	98	674075	49.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.408	95	157149	38.005	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.020%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.878	59	483	2.018	ug/l #	70
16) Acetone	3.873	43	4099	7.347	ug/l	98
25) 2-Butanone	6.896	43	1098	1.182	ug/l #	46
31) Cyclohexane	7.701	56	8828	1.352	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	27567	5.181	ug/l #	51
38) Carbon Tetrachloride	7.707	117	32923	5.939	ug/l #	15
49) 1,4-Dioxane	9.073	88	26	1.133	ug/l #	1
74) N-amyl acetate	12.048	43	2825	1.073	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	91010	66.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91010	150.317	ug/l #	12
95) Naphthalene	15.145	128	4159	1.043	ug/l #	91

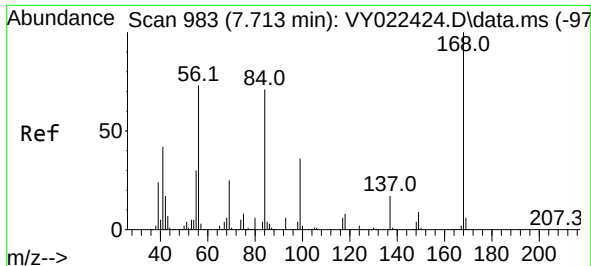
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
Data File : VY022432.D
Acq On : 27 May 2025 14:27
Operator : SY/MD
Sample : Q2118-11RE
Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

Quant Time: May 28 15:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

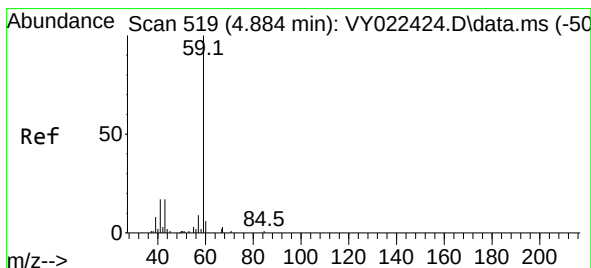
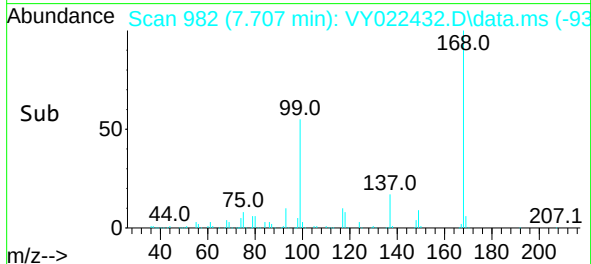
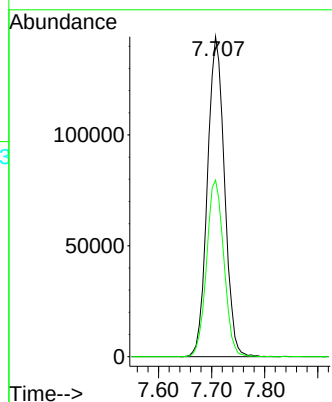
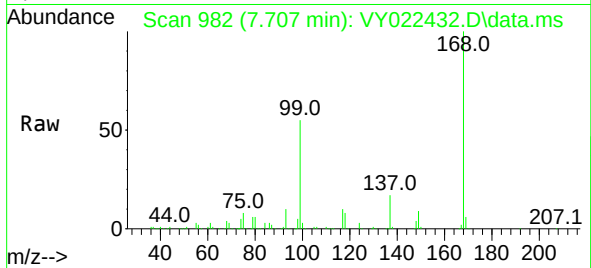




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

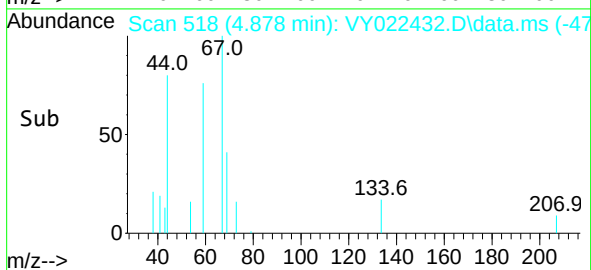
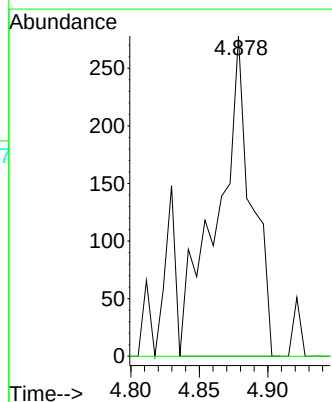
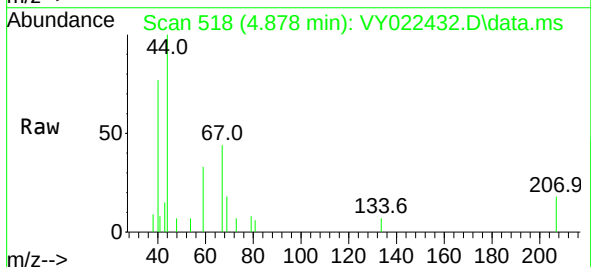
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

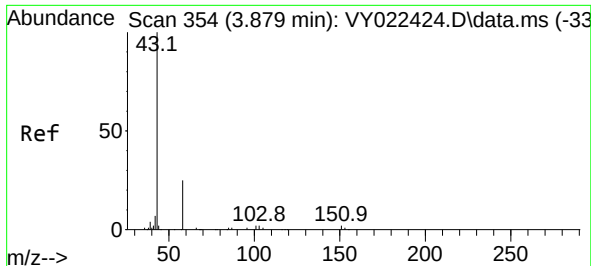
Tgt Ion:168 Resp: 322318
Ion Ratio Lower Upper
168 100
99 55.2 44.7 67.1



#11
Tert butyl alcohol
Concen: 2.018 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#

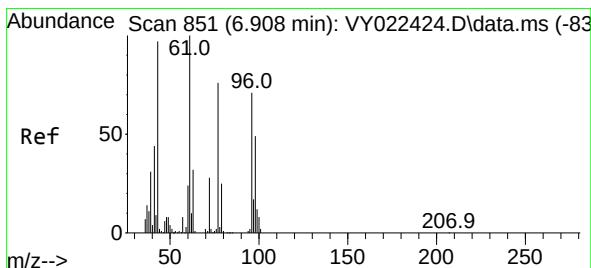
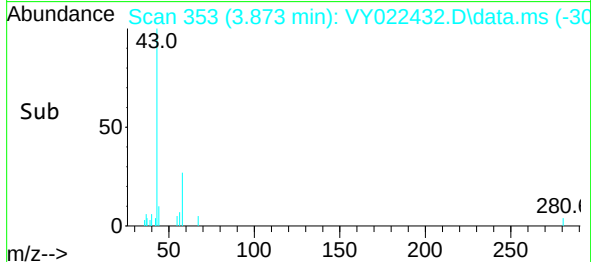
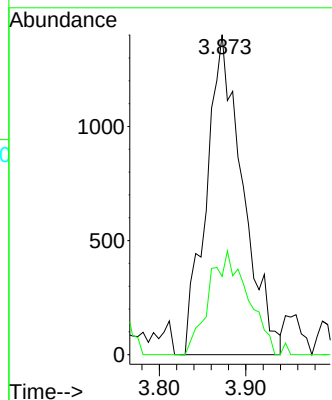
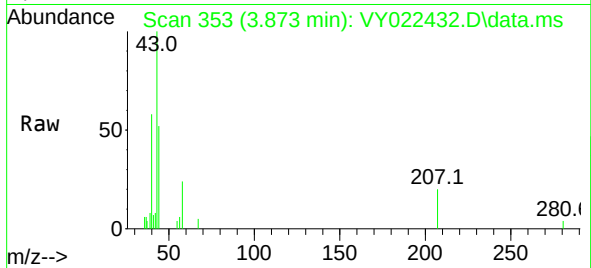




#16
Acetone
Concen: 7.347 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

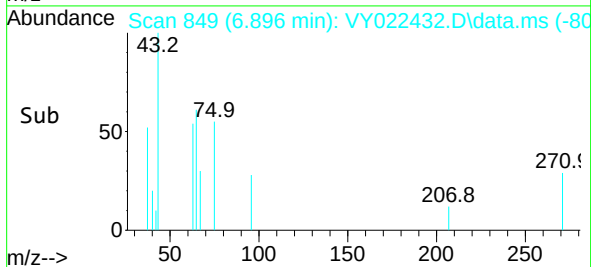
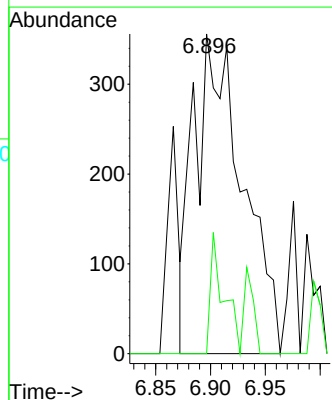
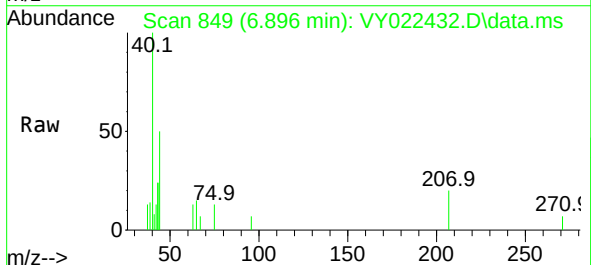
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

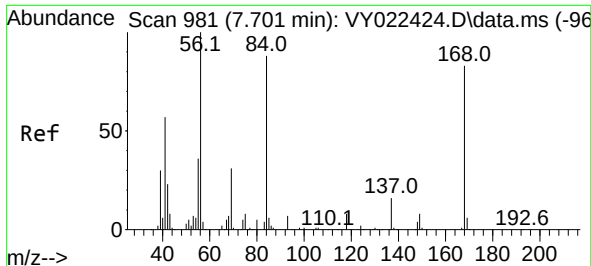
Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
58 24.5 20.6 30.8



#25
2-Butanone
Concen: 1.182 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#

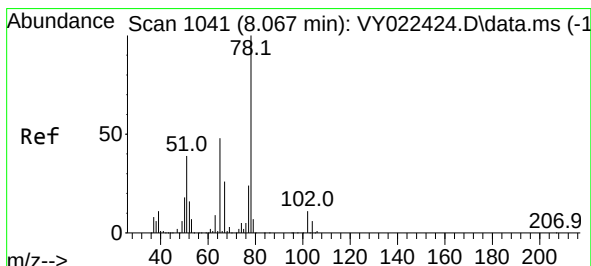
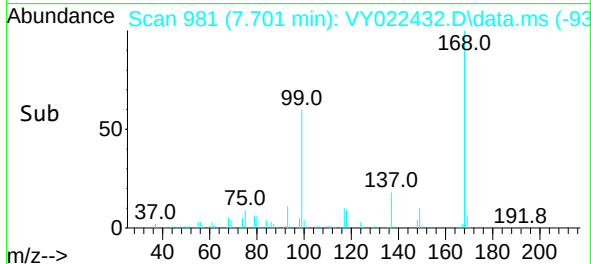
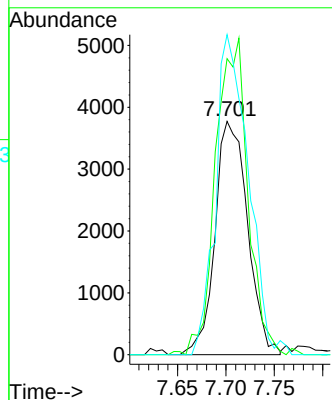
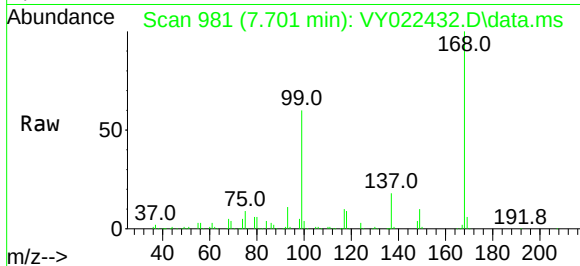




#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

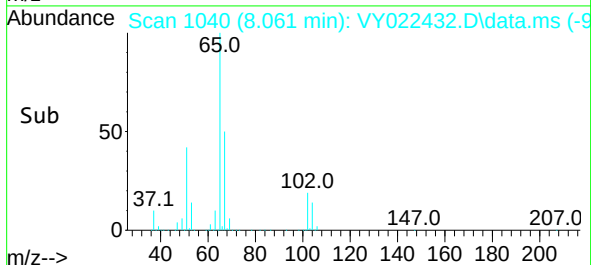
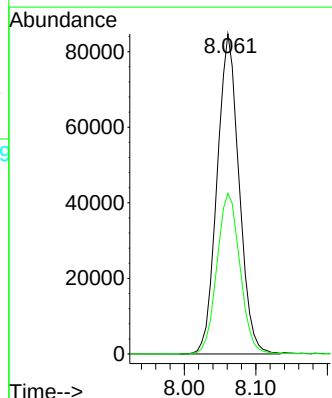
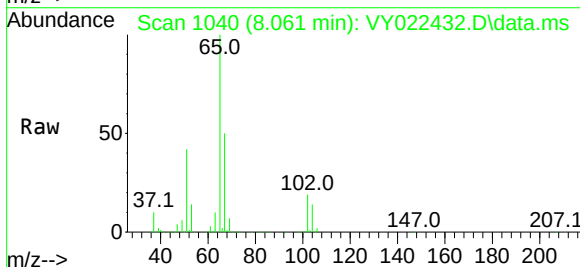
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

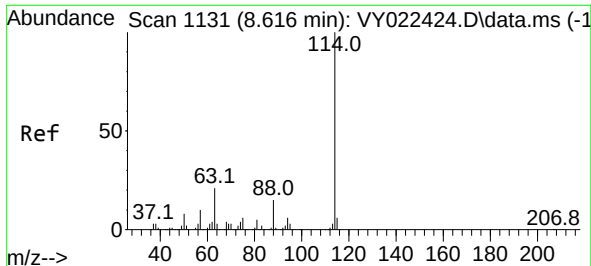
Tgt Ion: 56 Resp: 8828
Ion Ratio Lower Upper
56 100
69 125.5 24.6 36.8#
84 137.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 53.268 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

Tgt Ion: 65 Resp: 180844
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022432.D

Acq: 27 May 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-500-502RE

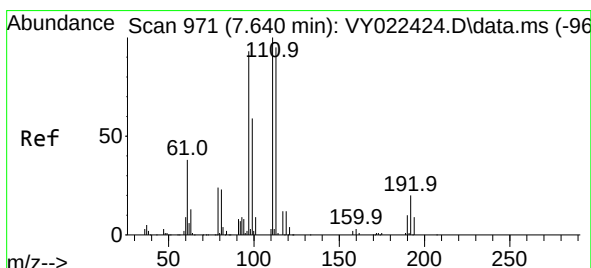
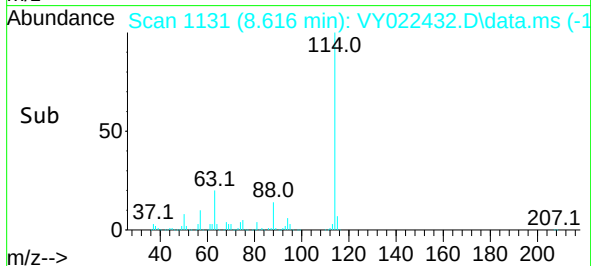
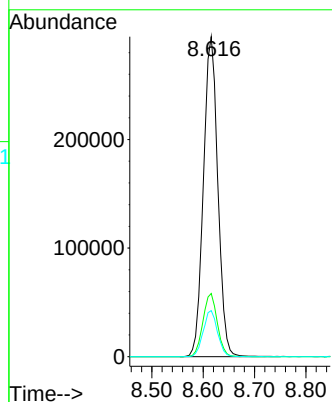
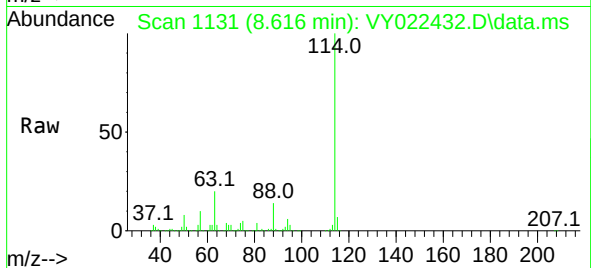
Tgt Ion:114 Resp: 572594

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 14.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.909 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022432.D

Acq: 27 May 2025 14:27

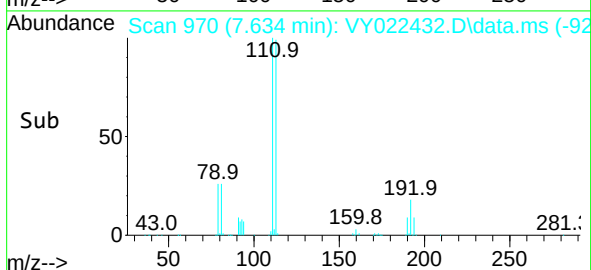
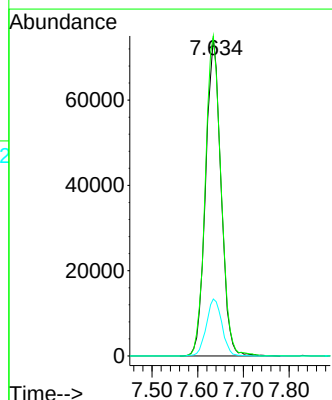
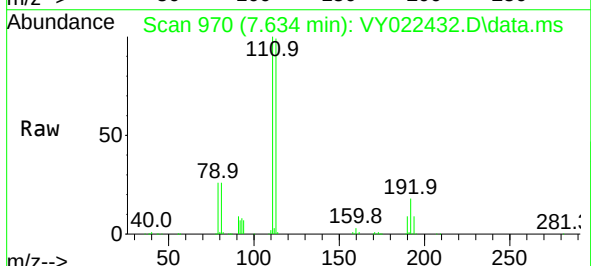
Tgt Ion:113 Resp: 174066

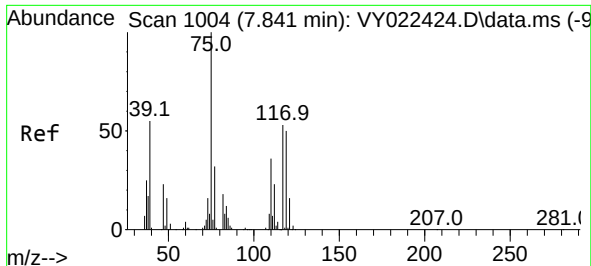
Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022432.D

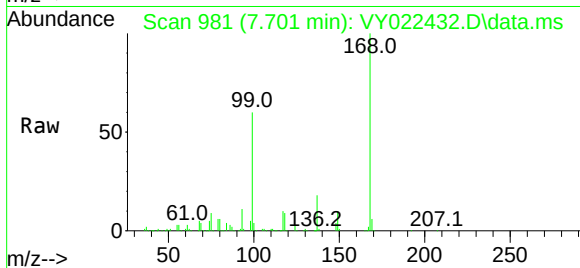
Acq: 27 May 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-500-502RE



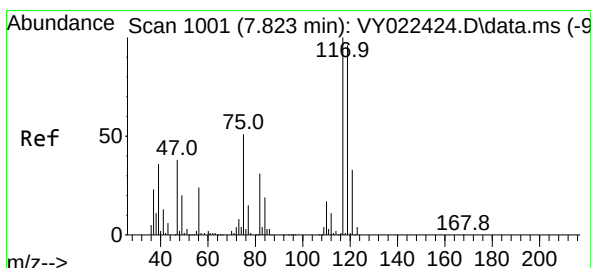
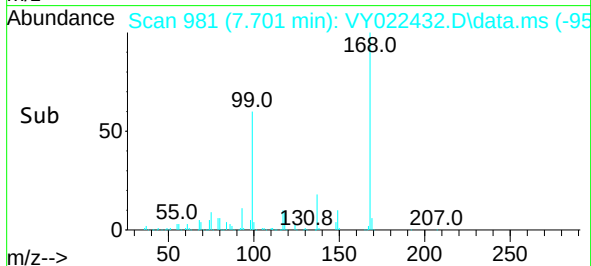
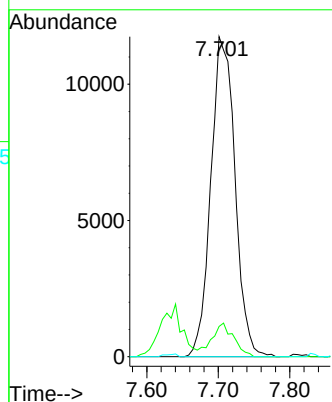
Tgt Ion: 75 Resp: 27567

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.939 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022432.D

Acq: 27 May 2025 14:27

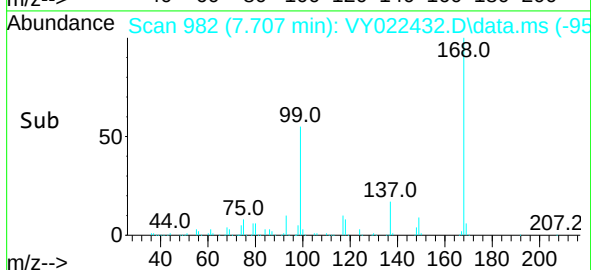
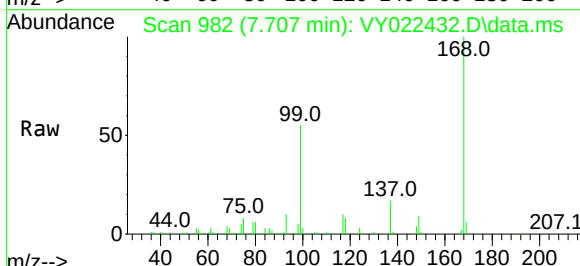
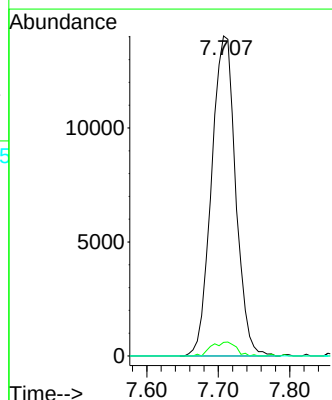
Tgt Ion: 117 Resp: 32923

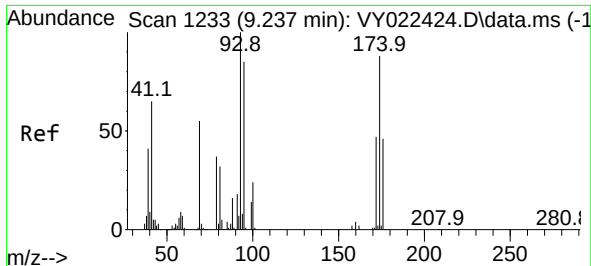
Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

121 0.0 26.1 39.1#





#49

1,4-Dioxane

Concen: 1.133 ug/l

RT: 9.073 min Scan# 1

Delta R.T. -0.164 min

Lab File: VY022432.D

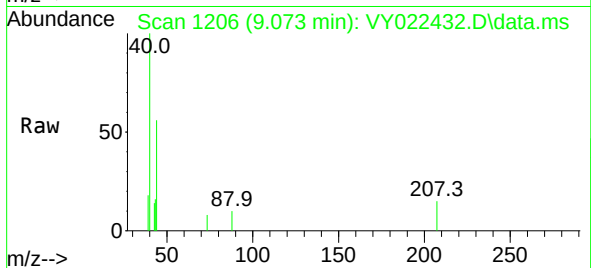
Acq: 27 May 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-500-502RE



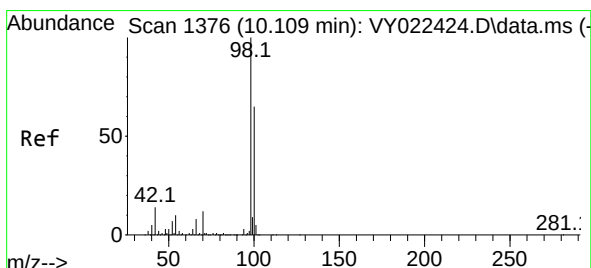
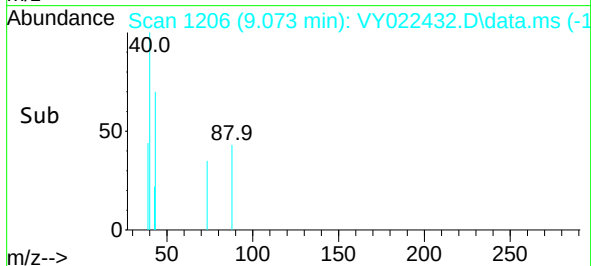
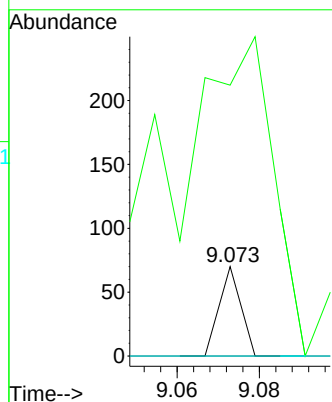
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 1953.8 26.9 40.3#

58 0.0 55.8 83.6#



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022432.D

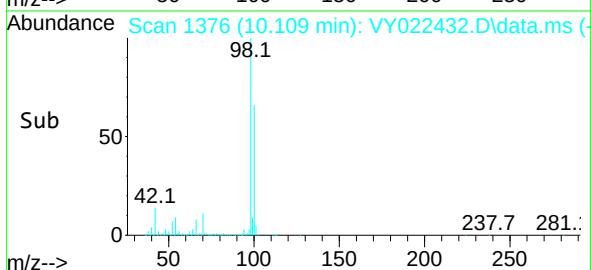
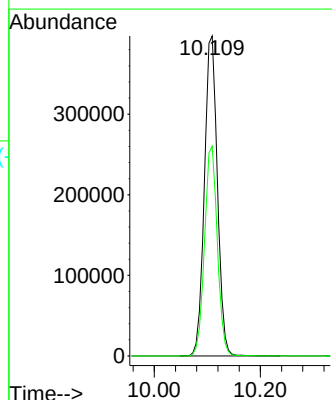
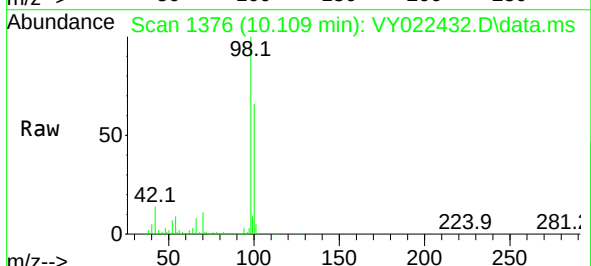
Acq: 27 May 2025 14:27

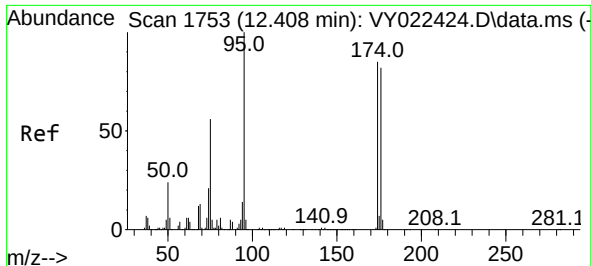
Tgt Ion: 98 Resp: 674075

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2

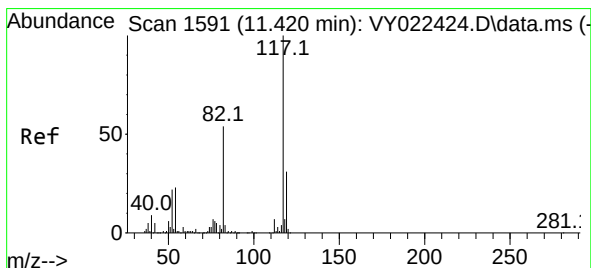
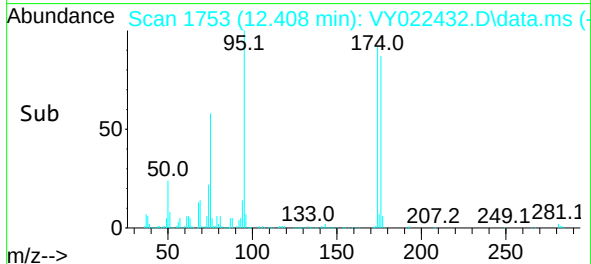
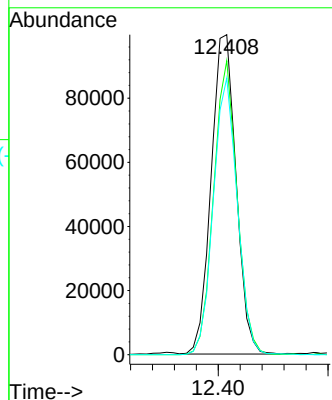
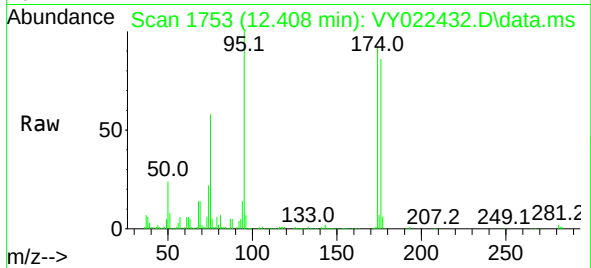




#62
4-Bromofluorobenzene
Concen: 38.005 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

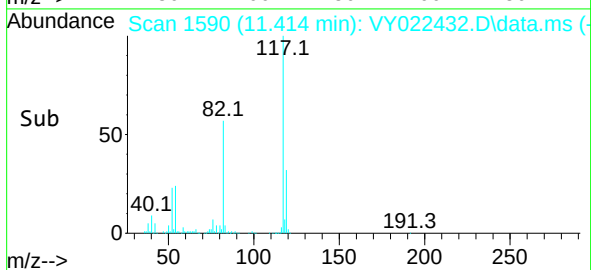
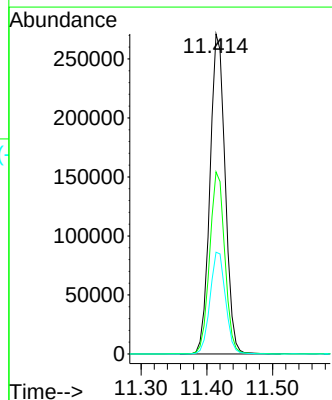
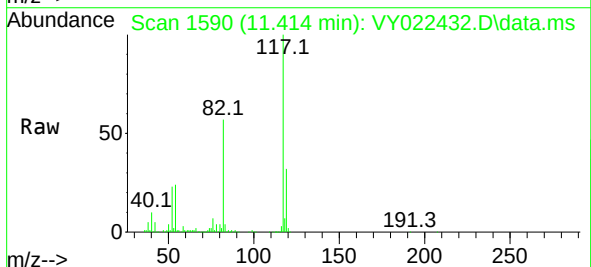
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

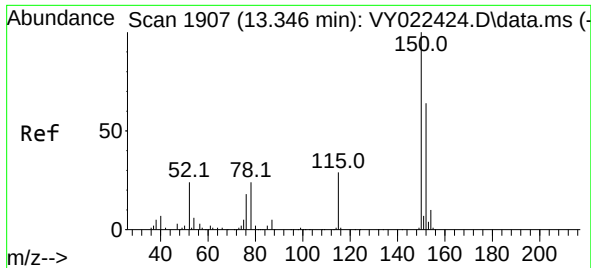
Tgt Ion: 95 Resp: 157149
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 83.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

Tgt Ion: 117 Resp: 436021
Ion Ratio Lower Upper
117 100
82 56.9 43.3 64.9
119 31.8 24.5 36.7

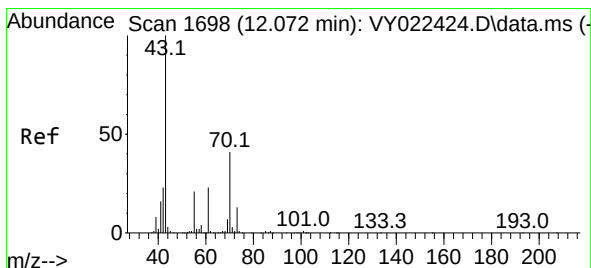
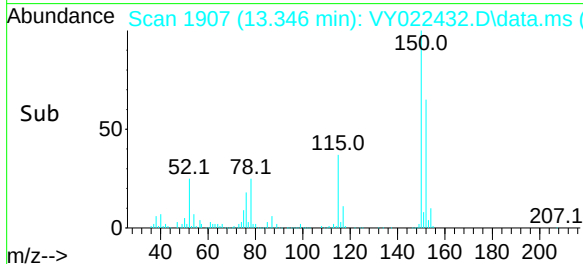
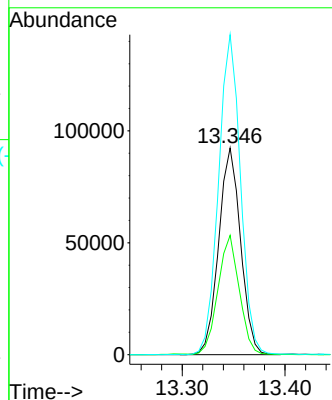
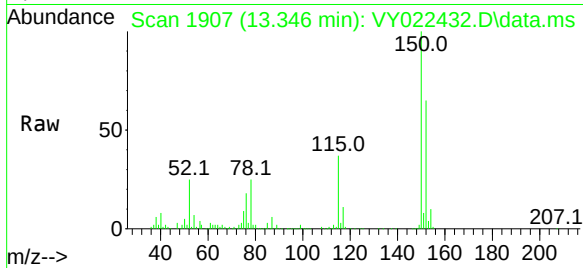




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

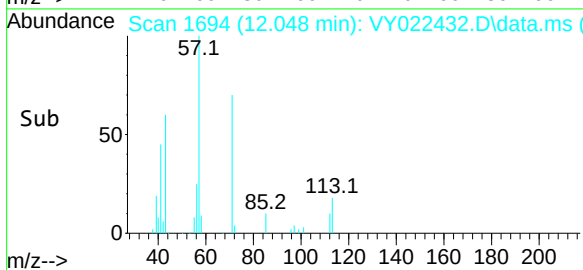
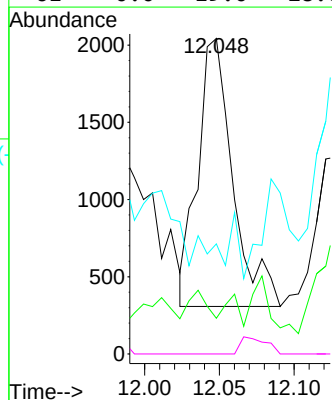
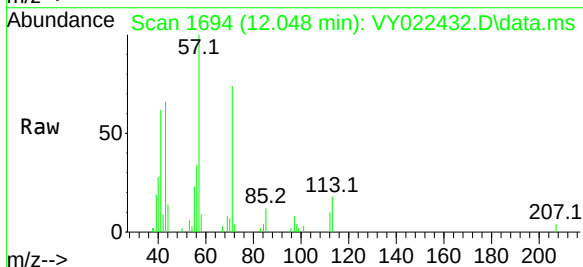
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502RE

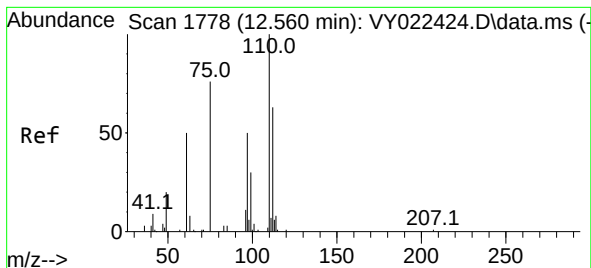
Tgt Ion:152 Resp: 136693
Ion Ratio Lower Upper
152 100
115 56.7 28.4 85.3
150 155.3 0.0 345.8



#74
N-ethyl acetate
Concen: 1.073 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.024 min
Lab File: VY022432.D
Acq: 27 May 2025 14:27

Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
70 5.0 33.0 49.4#
55 0.0 17.5 26.3#
61 0.0 19.0 28.6#





#76

1,2,3-Trichloropropane

Concen: 66.469 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY022432.D

Acq: 27 May 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

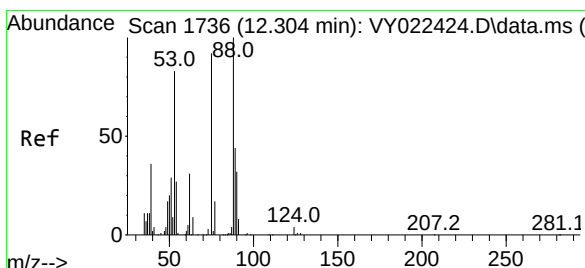
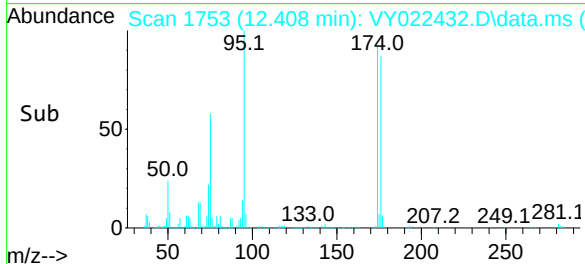
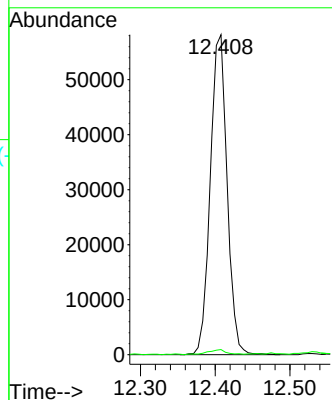
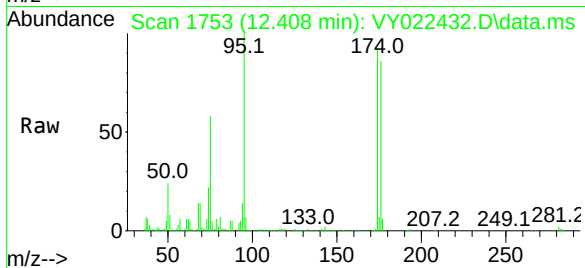
BP-VPB-182-GW-500-502RE

Tgt Ion: 75 Resp: 91010

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.317 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY022432.D

Acq: 27 May 2025 14:27

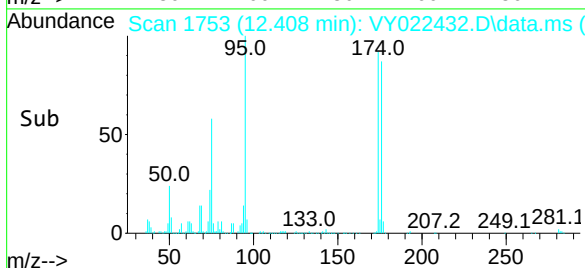
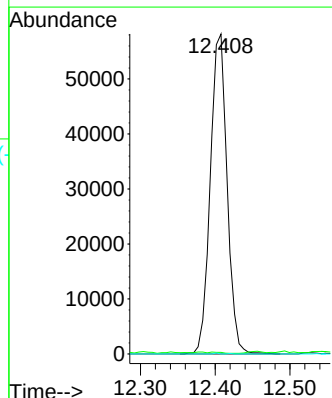
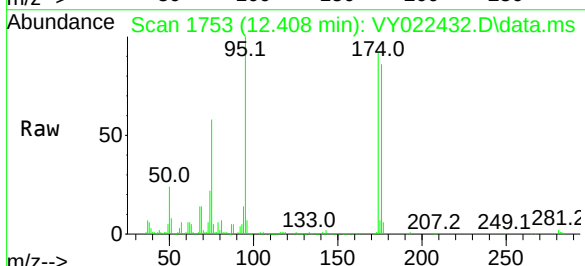
Tgt Ion: 75 Resp: 91010

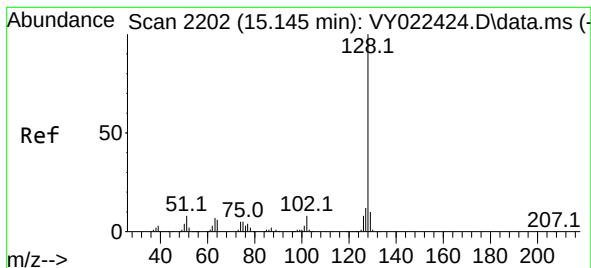
Ion Ratio Lower Upper

75 100

53 0.0 75.1 112.7#

89 0.1 37.4 56.0#





#95

Naphthalene

Concen: 1.043 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY022432.D

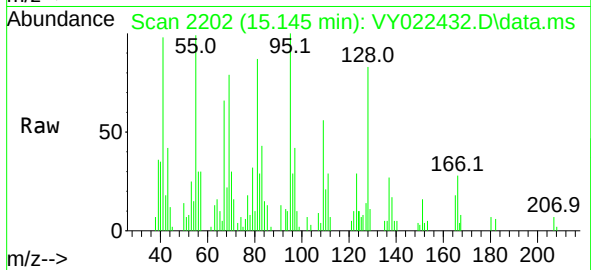
Acq: 27 May 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-500-502RE



Tgt Ion:128 Resp: 4159

Ion Ratio Lower Upper

128 100

127 17.4 10.2 15.4#

129 12.8 8.5 12.7#

