

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023697.D
 Acq On : 06 Nov 2025 11:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 07 04:15:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

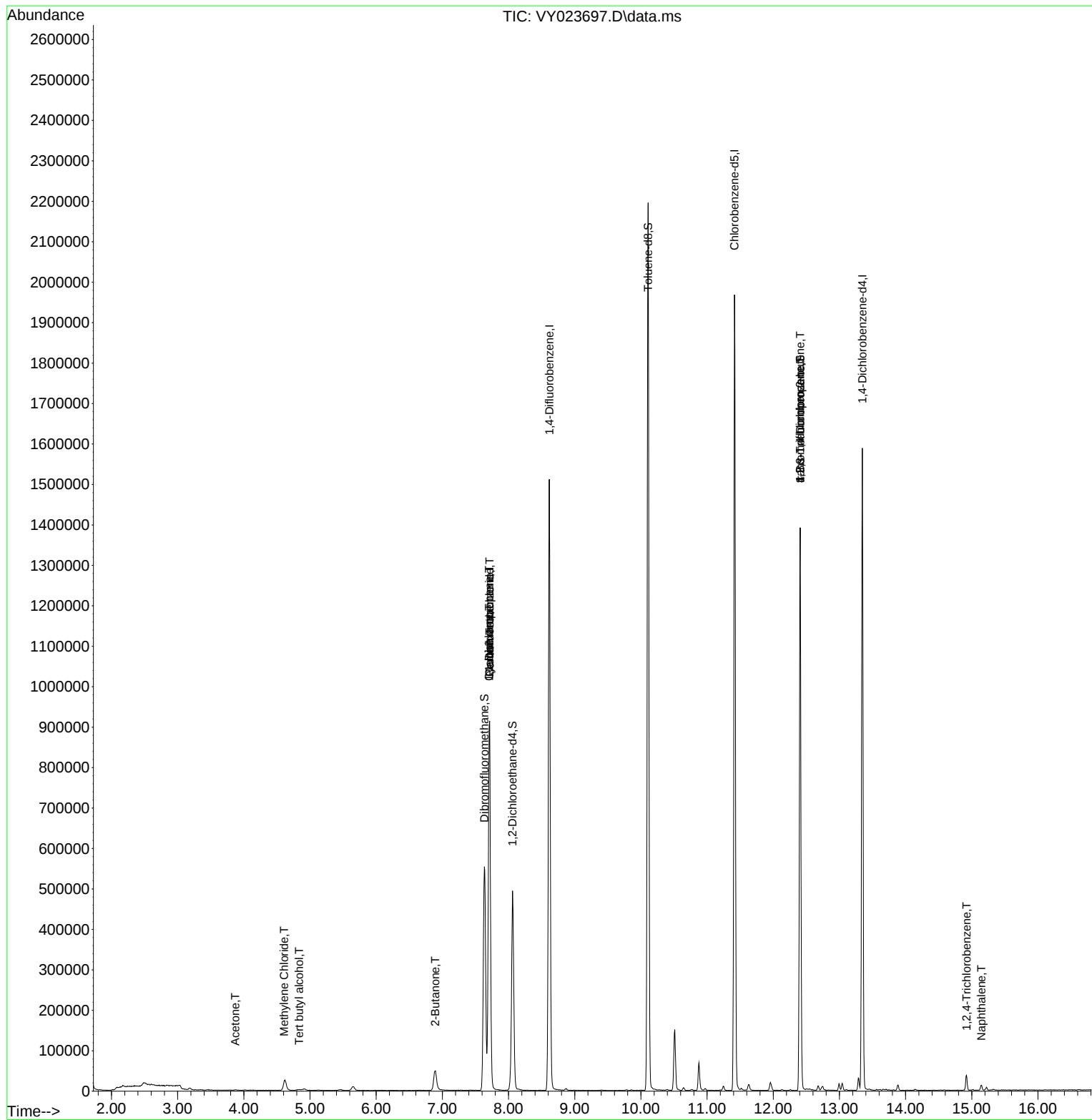
Internal Standards						
1) Pentafluorobenzene	7.713	168	757583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1314487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1086554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	409348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	365351	56.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.080%			
35) Dibromofluoromethane	7.634	113	413740	50.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.109	98	1479663	48.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.700%			
62) 4-Bromofluorobenzene	12.408	95	408619	41.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.580%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	2225	5.340	ug/l #	78
16) Acetone	3.873	43	2059	1.282	ug/l #	86
20) Methylene Chloride	4.610	84	20905	2.696	ug/l #	90
25) 2-Butanone	6.890	43	2943	1.585	ug/l #	43
31) Cyclohexane	7.707	56	12717	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51634	4.704	ug/l #	48
38) Carbon Tetrachloride	7.713	117	71180	5.504	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	203163	61.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	203163	138.591	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.919	180	11947	1.734	ug/l	99
95) Naphthalene	15.145	128	10882	6.070	ug/l	98

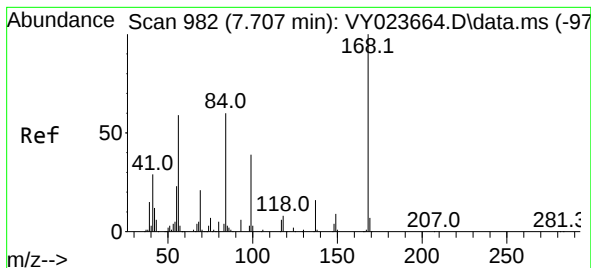
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

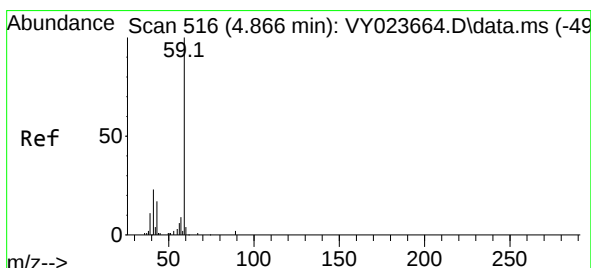
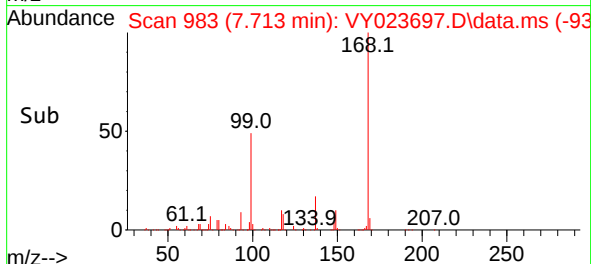
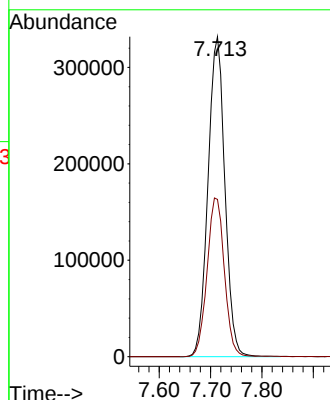
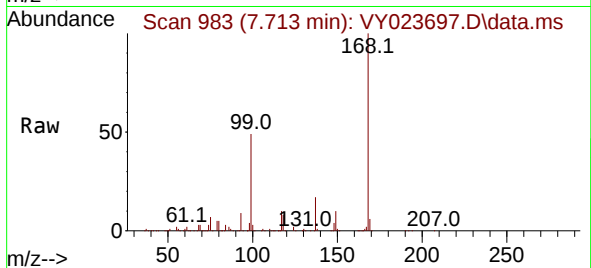
VIBLK

Tgt Ion:168 Resp: 757583

Ion Ratio Lower Upper

168 100

99 49.2 41.0 61.4



#11

Tert butyl alcohol

Concen: 5.340 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.030 min

Lab File: VY023697.D

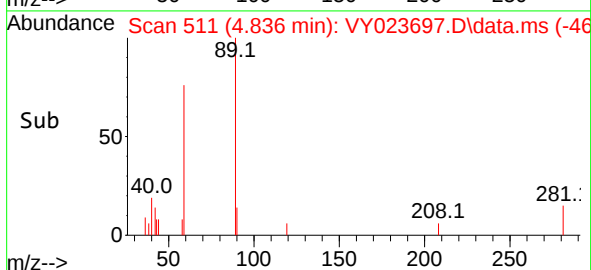
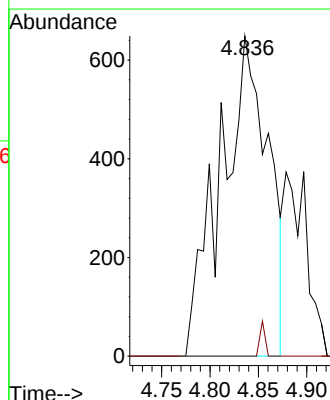
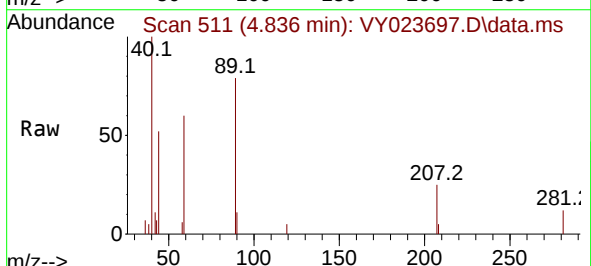
Acq: 06 Nov 2025 11:08

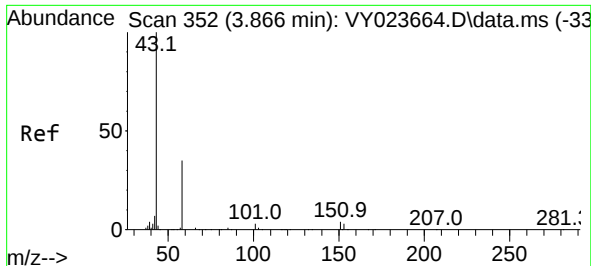
Tgt Ion: 59 Resp: 2225

Ion Ratio Lower Upper

59 100

57 1.2 7.4 11.2#

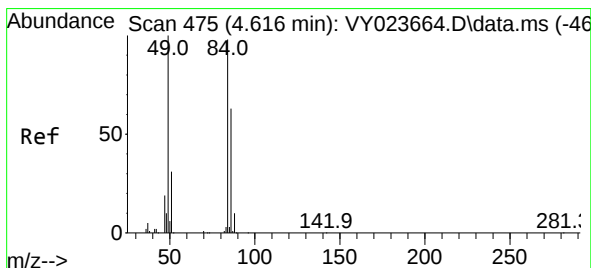
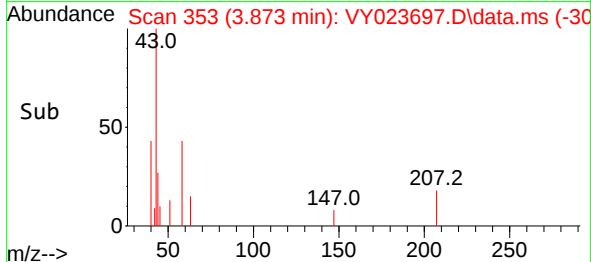
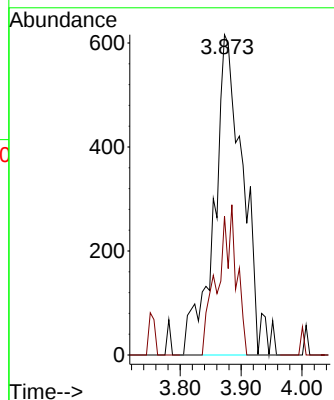
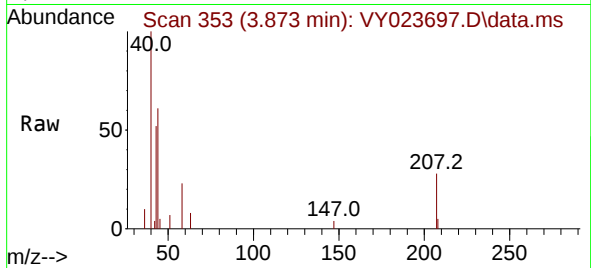




#16
Acetone
Concen: 1.282 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

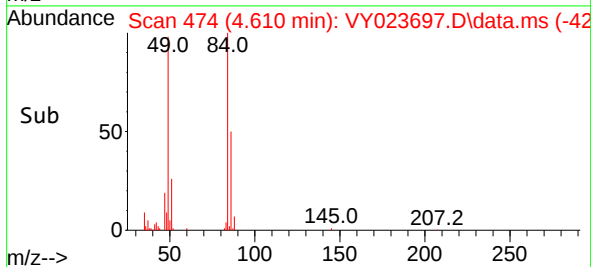
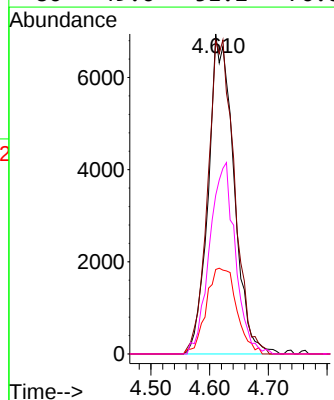
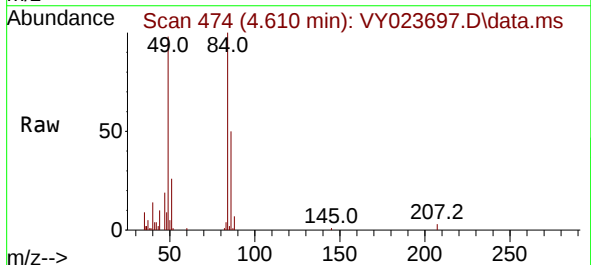
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

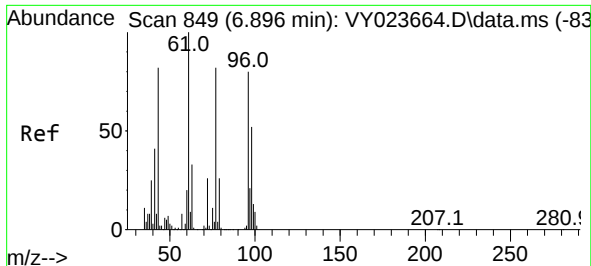
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 43.3 28.2 42.4#



#20
Methylene Chloride
Concen: 2.696 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 84 Resp: 20905
Ion Ratio Lower Upper
84 100
49 97.8 81.5 122.3
51 26.4 25.5 38.3
86 49.6 51.2 76.8#

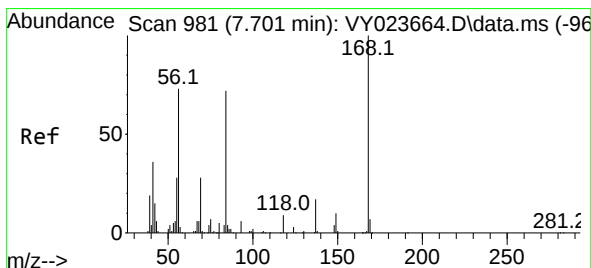
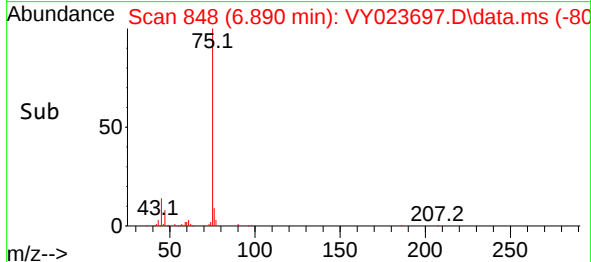
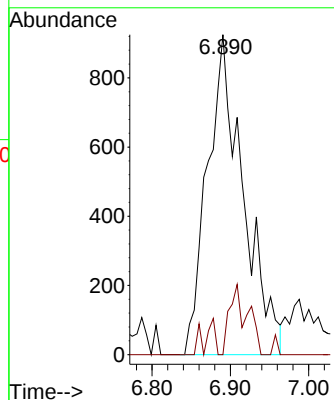
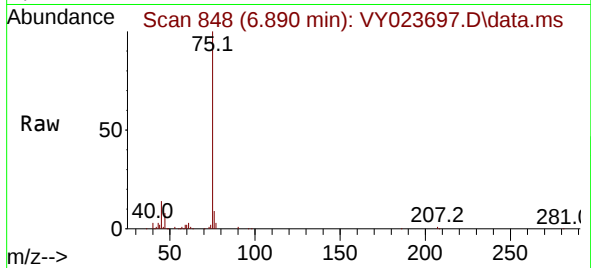




#25
2-Butanone
Concen: 1.585 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

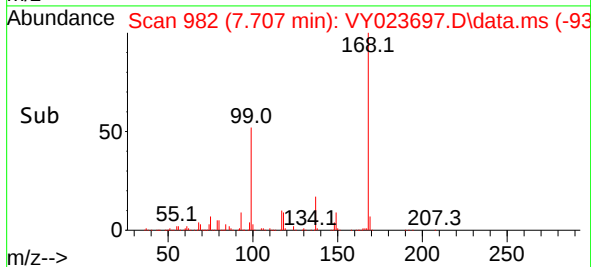
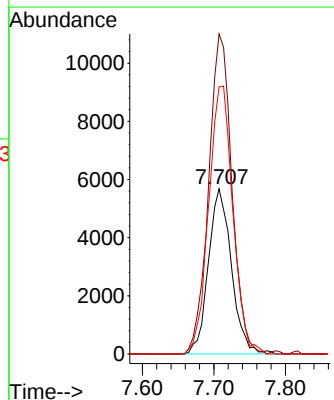
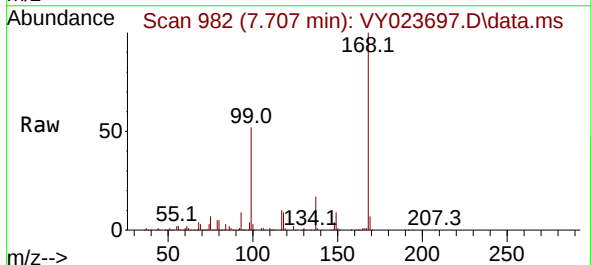
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

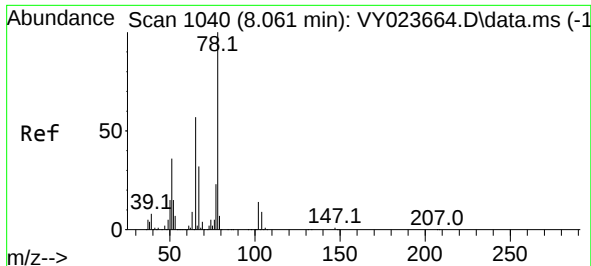
Tgt Ion: 43 Resp: 2943
Ion Ratio Lower Upper
43 100
72 0.0 25.7 38.5#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 56 Resp: 12717
Ion Ratio Lower Upper
56 100
69 193.7 30.5 45.7#
84 161.7 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 56.536 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

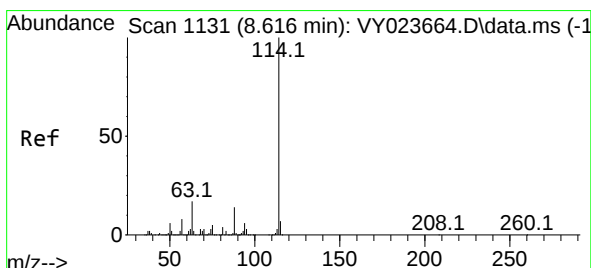
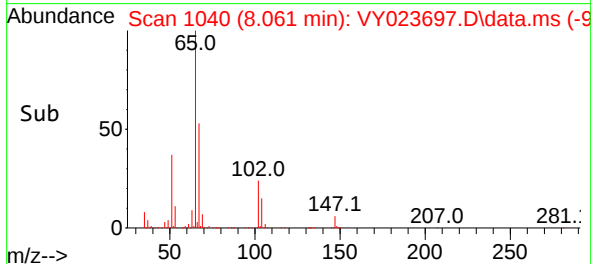
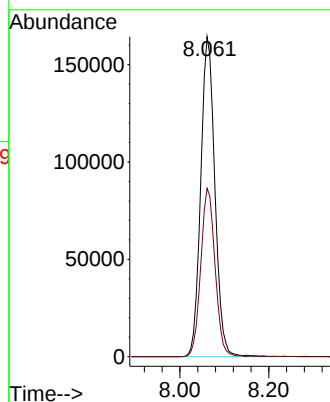
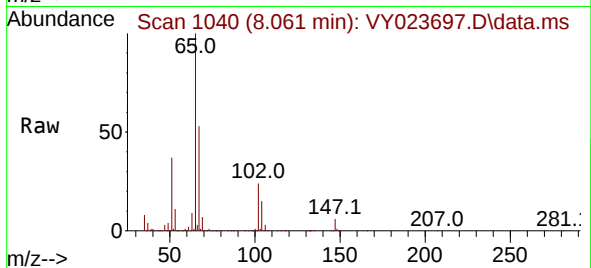
VIBLK

Tgt Ion: 65 Resp: 365351

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

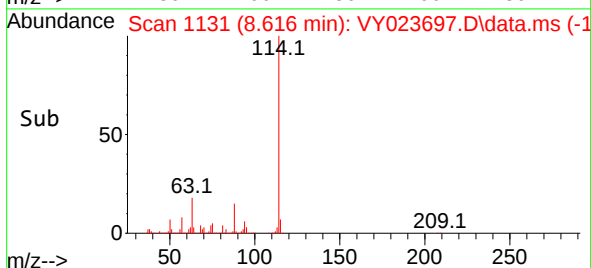
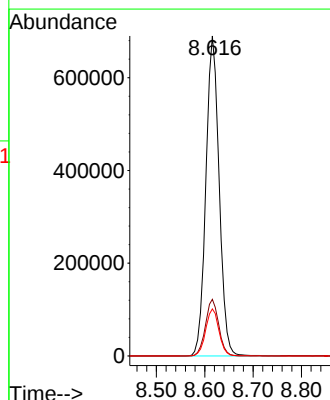
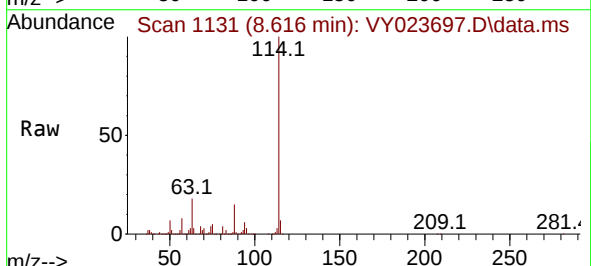
Tgt Ion:114 Resp: 1314487

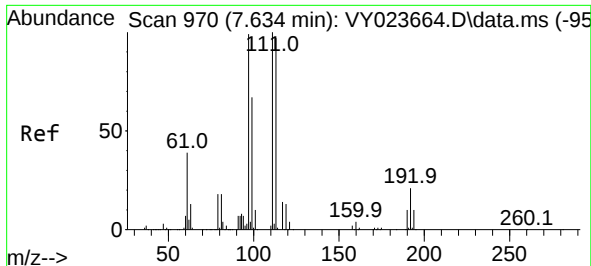
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.7 0.0 29.0

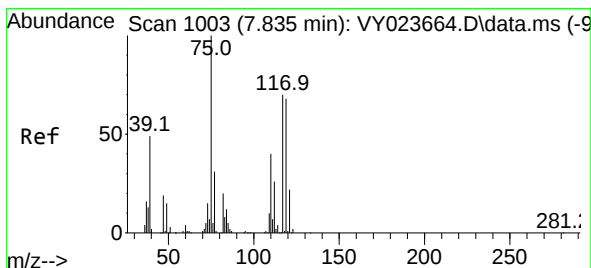
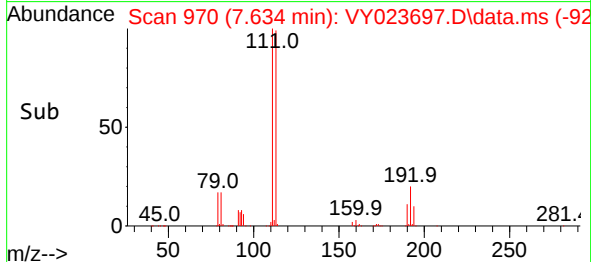
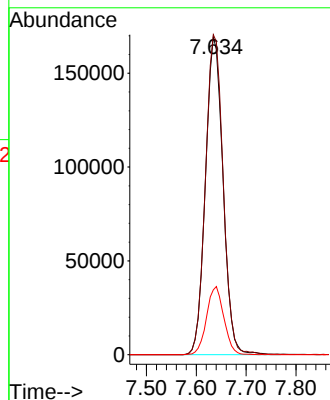
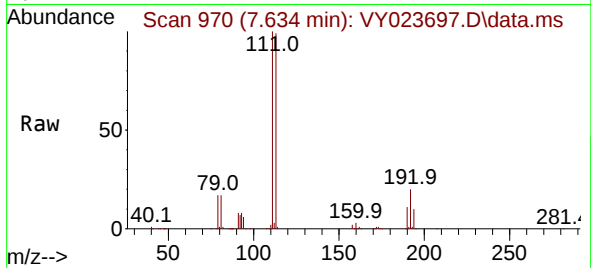




#35
Dibromofluoromethane
Concen: 50.366 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

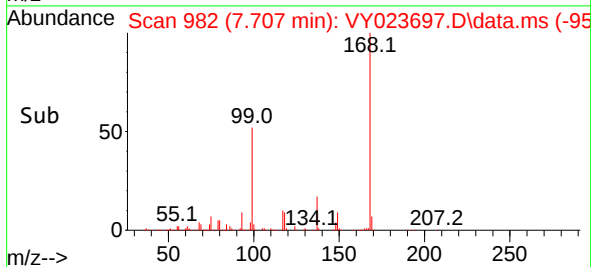
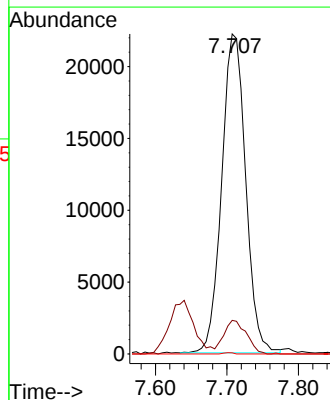
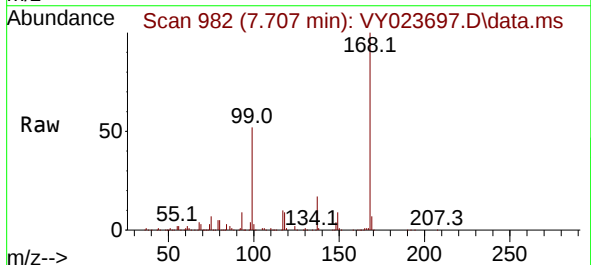
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

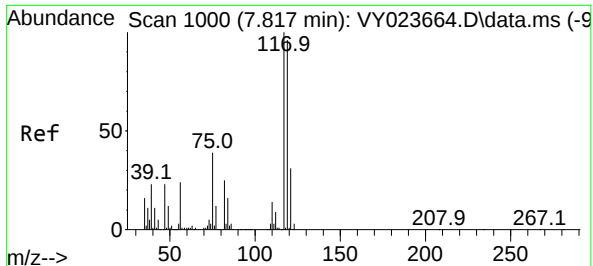
Tgt Ion:113 Resp: 413740
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 21.1 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 75 Resp: 51634
Ion Ratio Lower Upper
75 100
110 9.9 19.7 59.0#
77 0.2 25.2 37.8#

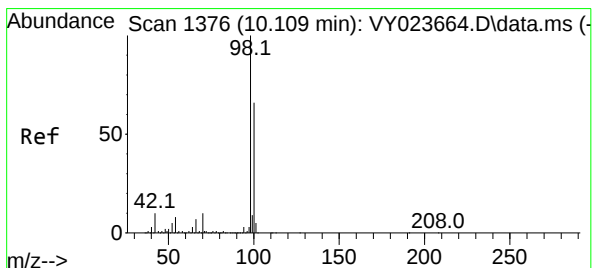
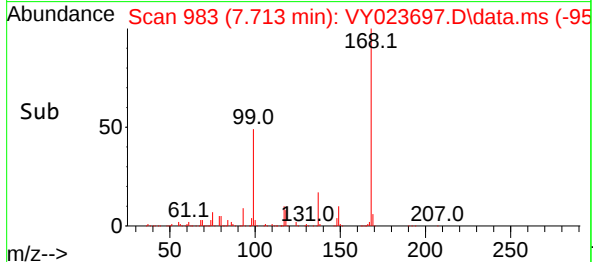
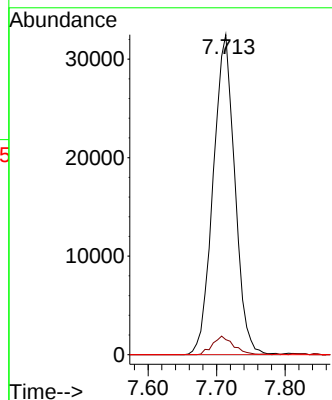
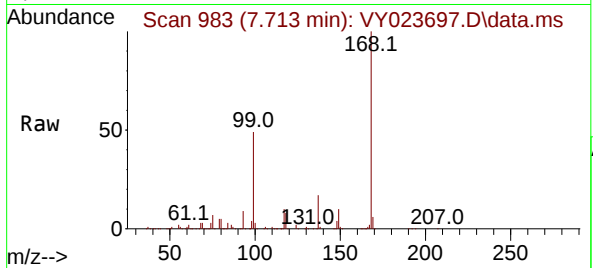




#38
Carbon Tetrachloride
Concen: 5.504 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

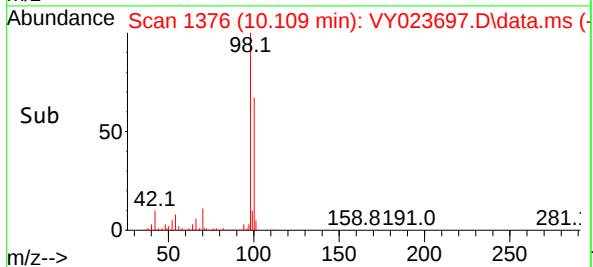
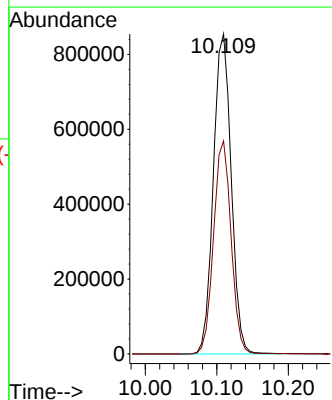
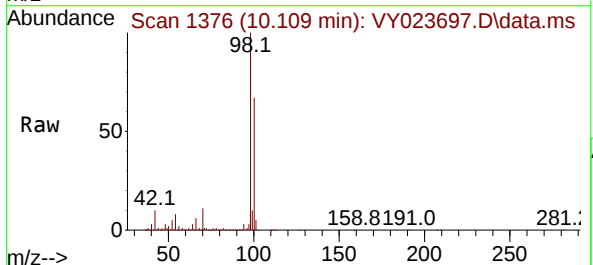
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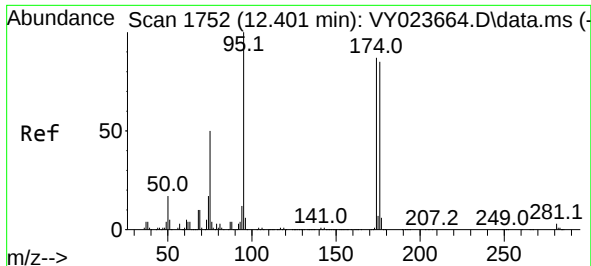
Tgt Ion:117 Resp: 71180
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.355 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 98 Resp: 1479663
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

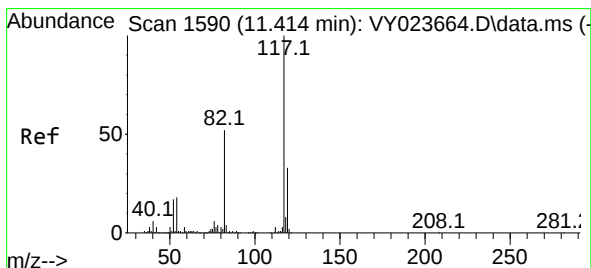
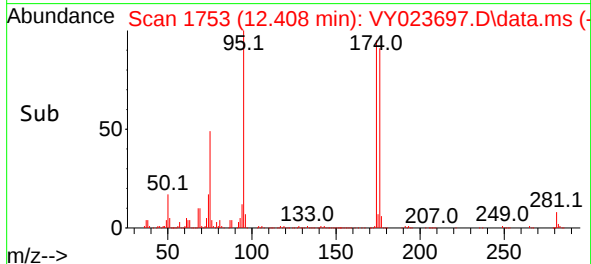
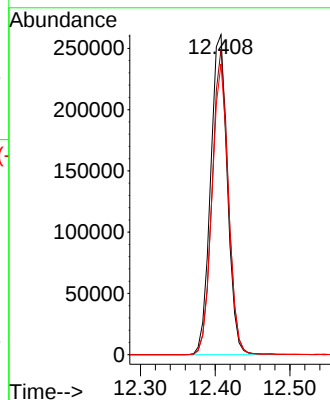
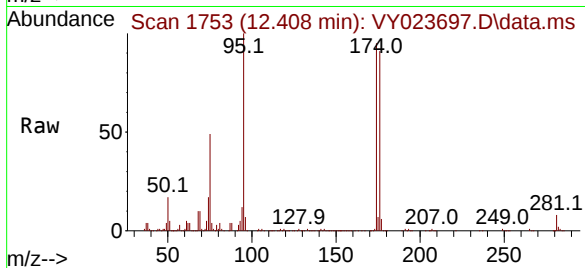




#62
4-Bromofluorobenzene
Concen: 41.292 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

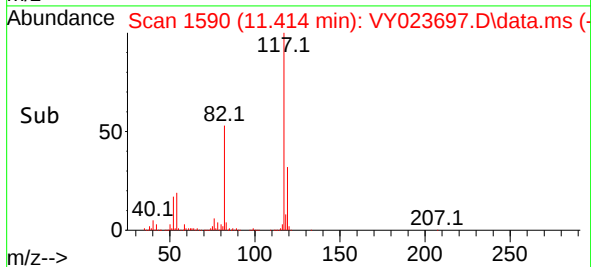
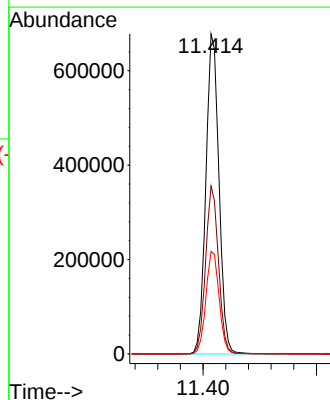
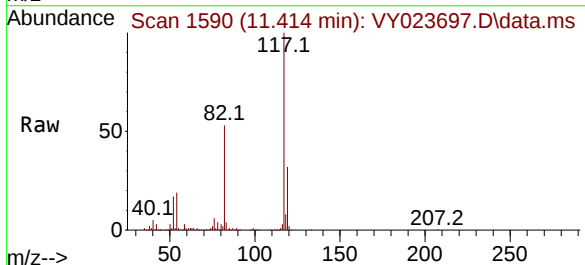
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

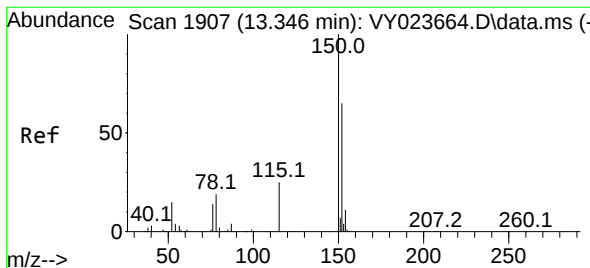
Tgt Ion: 95 Resp: 408619
Ion Ratio Lower Upper
95 100
174 92.3 0.0 184.8
176 88.9 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023697.D
Acq: 06 Nov 2025 11:08

Tgt Ion: 117 Resp: 1086554
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023697.D

Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

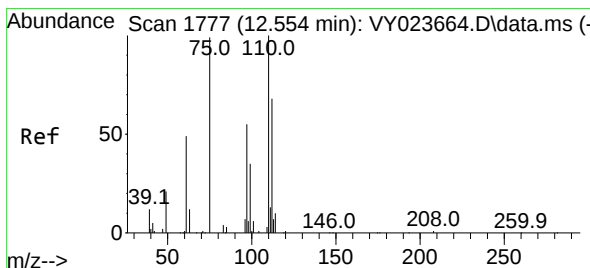
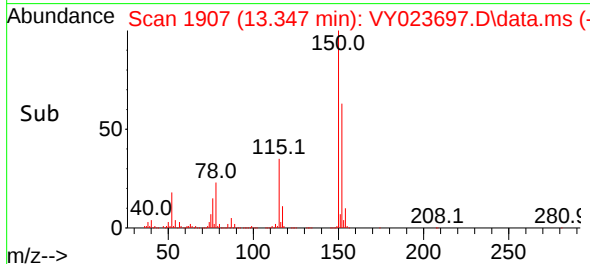
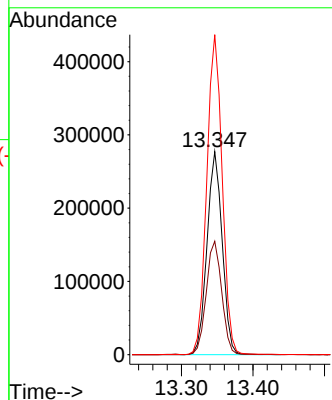
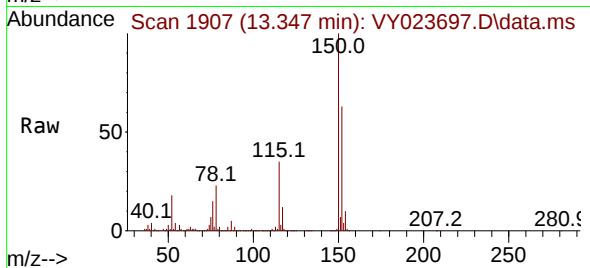
Tgt Ion:152 Resp: 409348

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

150 160.1 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 61.325 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023697.D

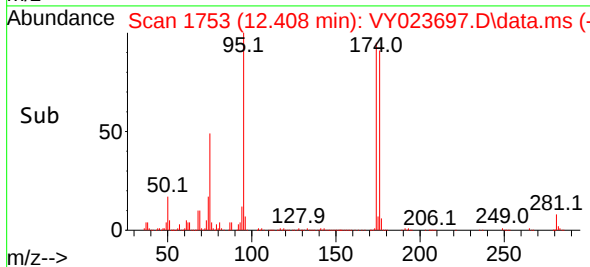
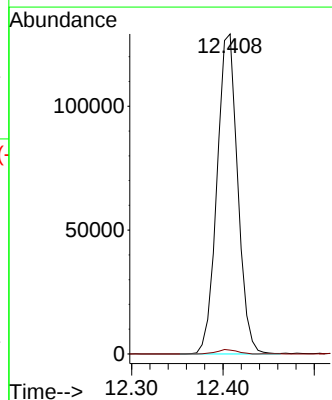
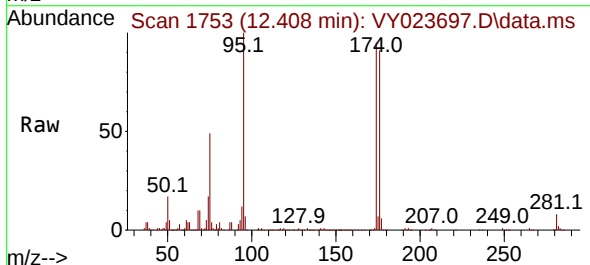
Acq: 06 Nov 2025 11:08

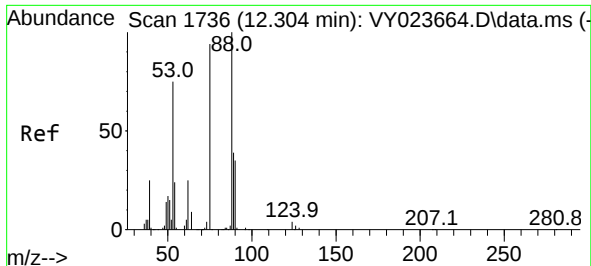
Tgt Ion: 75 Resp: 203163

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

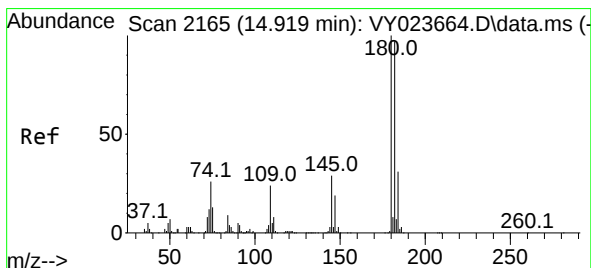
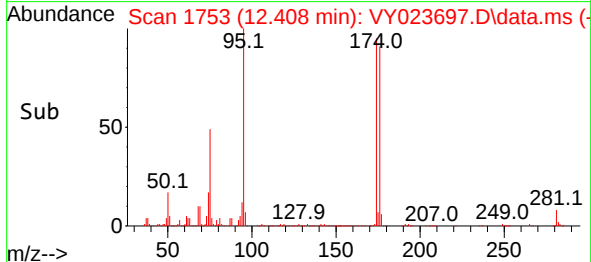
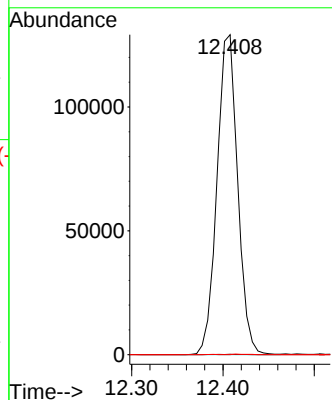
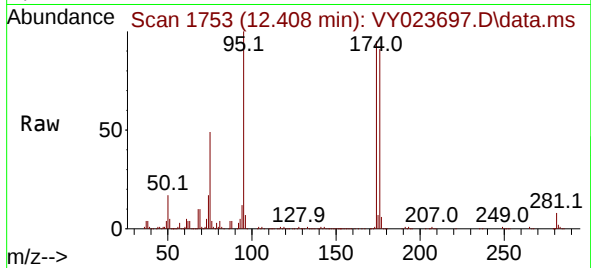




#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.591 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY023697.D
 Acq: 06 Nov 2025 11:08

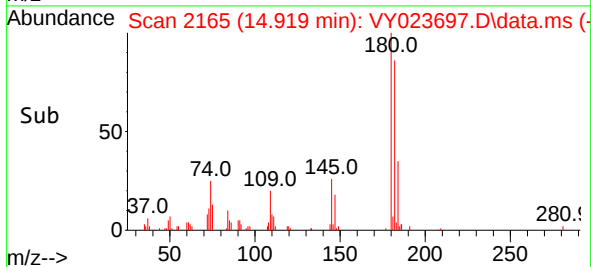
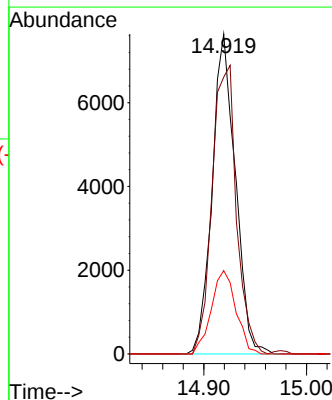
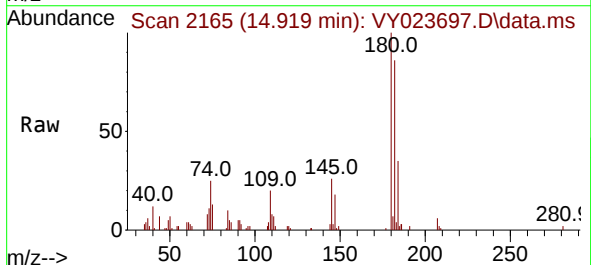
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

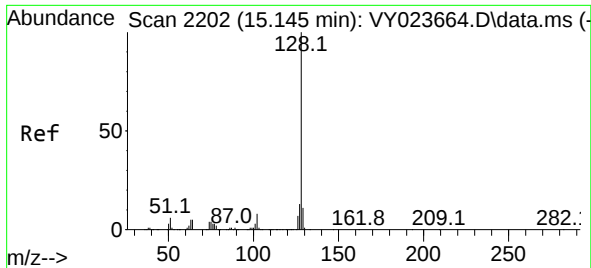
Tgt Ion: 75 Resp: 203163
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.6 104.4#
 89 0.1 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.734 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY023697.D
 Acq: 06 Nov 2025 11:08

Tgt Ion:180 Resp: 11947
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.6
 145 27.8 14.4 43.4





#95

Naphthalene

Concen: 6.070 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY023697.D

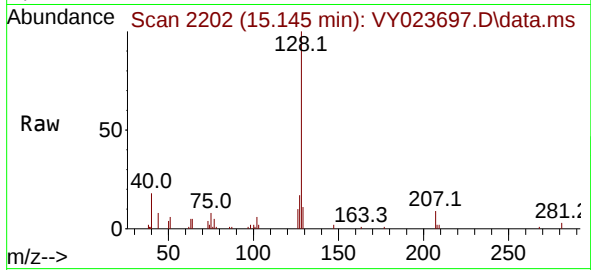
Acq: 06 Nov 2025 11:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 10882

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

129 11.3 8.8 13.2

