

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023744.D
 Acq On : 11 Nov 2025 16:48
 Operator : SY/MD
 Sample : Q3601-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Nov 12 03:39:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	784972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1297599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1166837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	510999	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	365213	55.638	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.280%	
35) Dibromofluoromethane	7.634	113	415544	52.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.240%	
50) Toluene-d8	10.109	98	1469475	49.489	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.407	95	482306	49.200	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.400%	

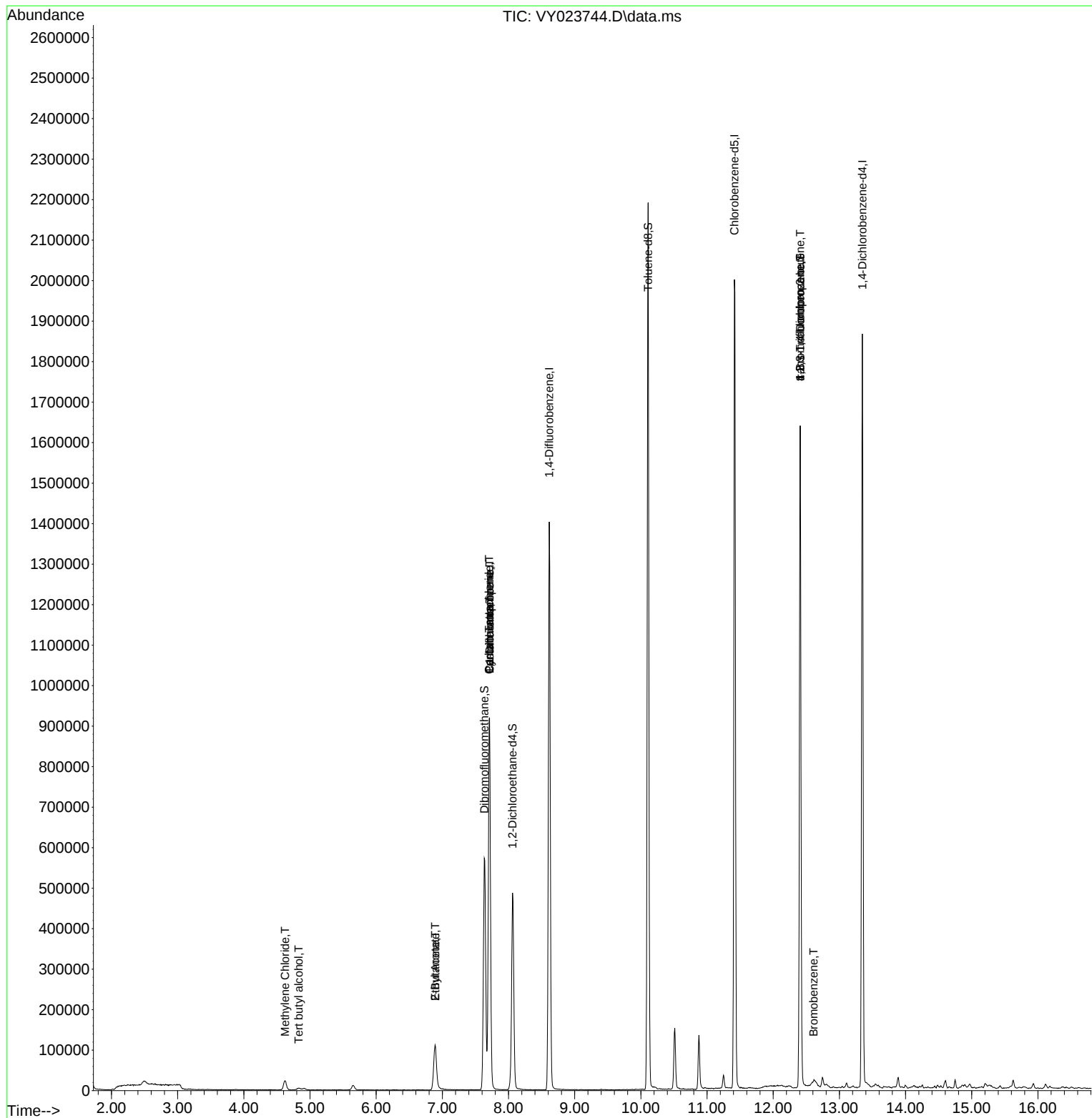
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.830	59	5162	10.571	ug/l #	72
20) Methylene Chloride	4.622	84	19397	2.295	ug/l #	94
25) 2-Butanone	6.890	43	5458	2.861	ug/l #	53
31) Cyclohexane	7.713	56	12370	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50197	4.755	ug/l #	48
37) Ethyl Acetate	6.890	43	5458	1.305	ug/l #	1
38) Carbon Tetrachloride	7.707	117	71883	5.616	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	229076	50.811	ug/l #	100
77) Bromobenzene	12.609	156	13608	1.520	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.407	75	229076	124.599	ug/l #	15

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

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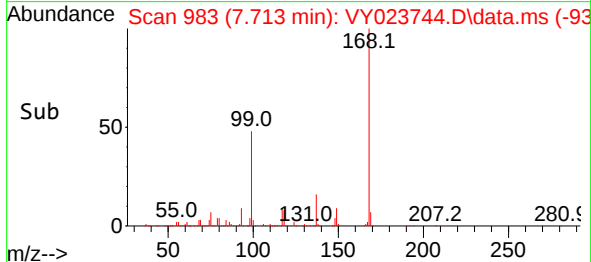
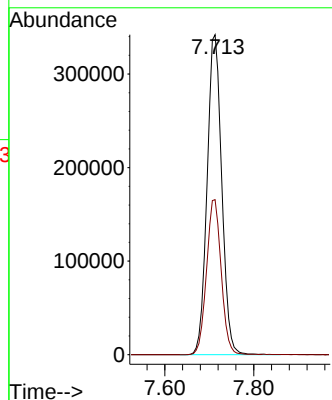
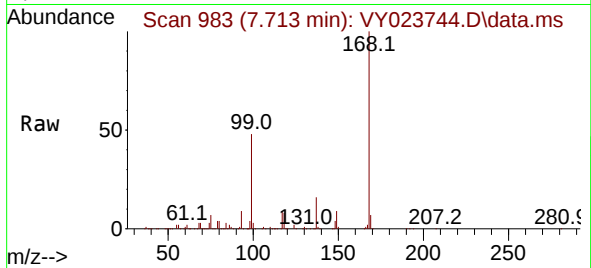




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

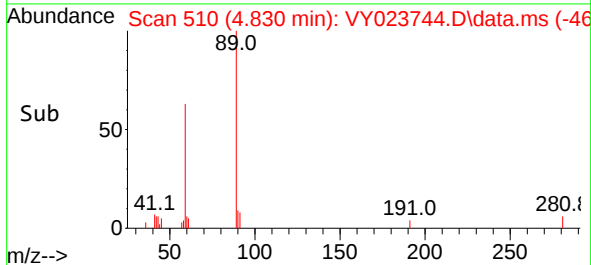
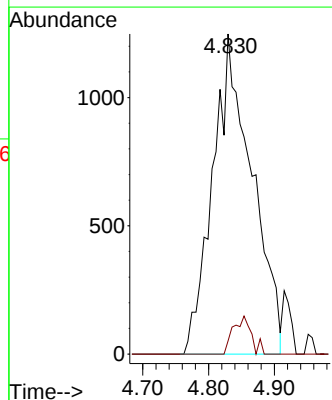
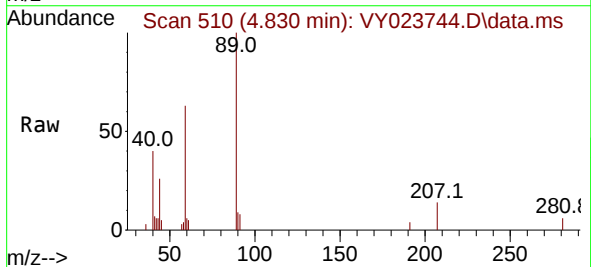
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

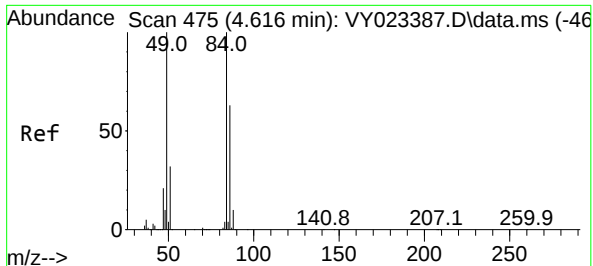
Tgt Ion:168 Resp: 784972
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 10.571 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.031 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

Tgt Ion: 59 Resp: 5162
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#20

Methylene Chloride

Concen: 2.295 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

Tgt Ion: 84 Resp: 19397

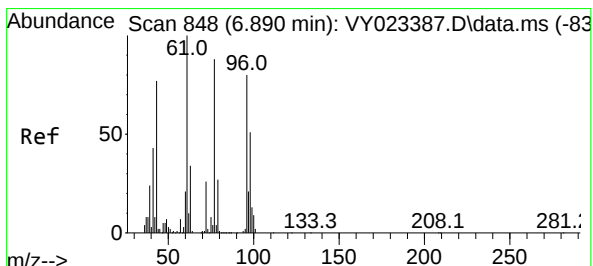
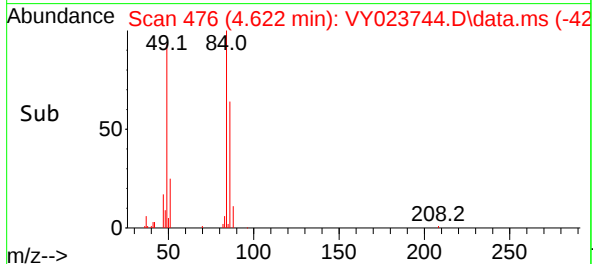
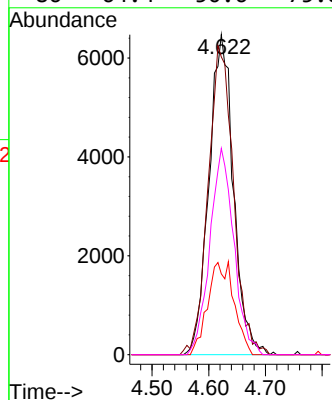
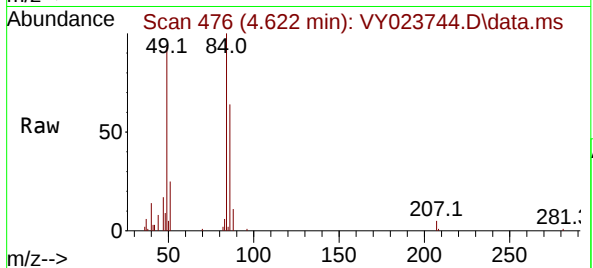
Ion Ratio Lower Upper

84 100

49 93.0 80.2 120.4

51 25.3 25.9 38.9#

86 64.4 50.6 75.8



#25

2-Butanone

Concen: 2.861 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY023744.D

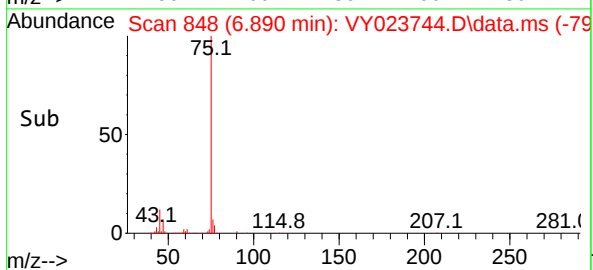
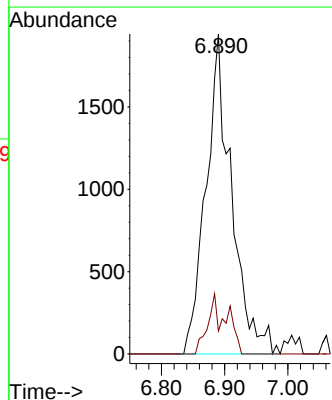
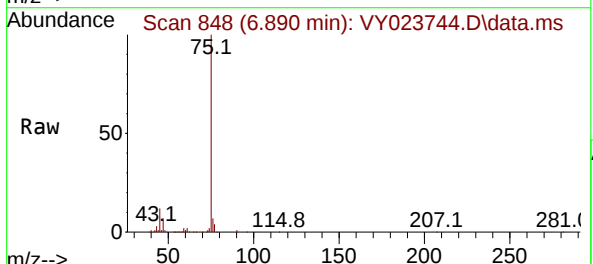
Acq: 11 Nov 2025 16:48

Tgt Ion: 43 Resp: 5458

Ion Ratio Lower Upper

43 100

72 7.2 27.4 41.2#

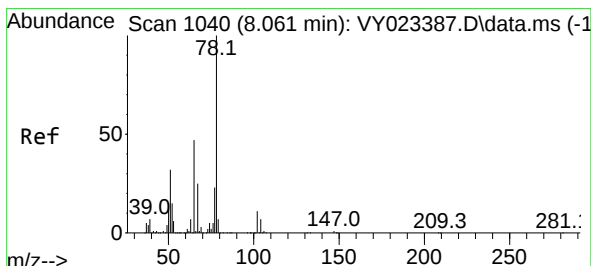
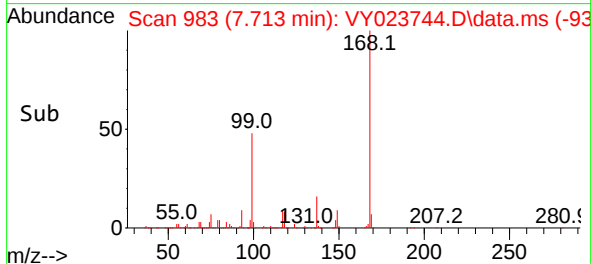
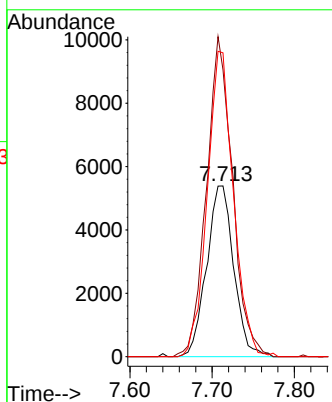
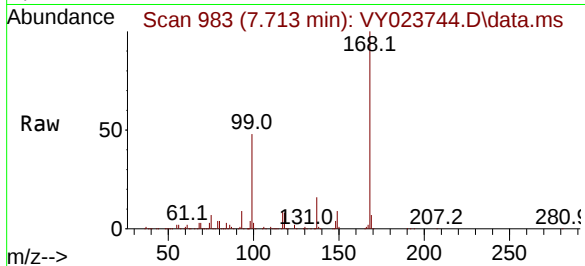




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

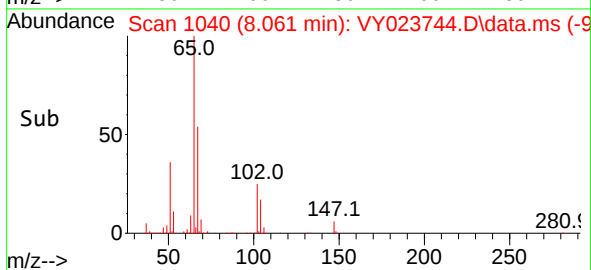
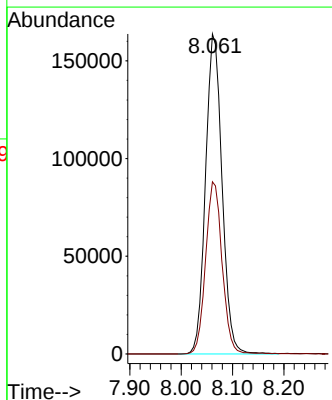
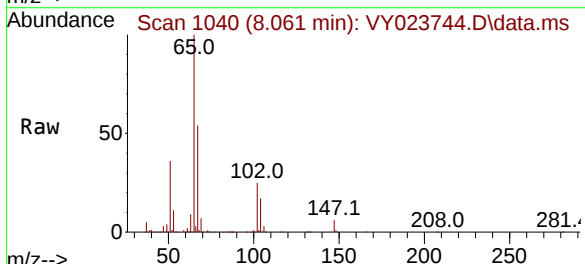
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

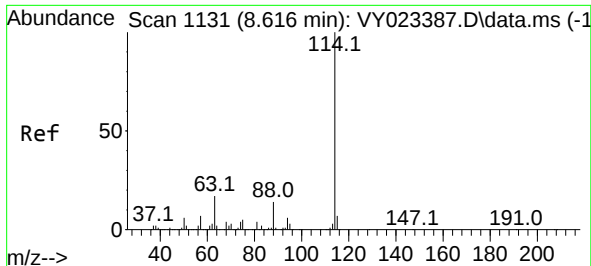
Tgt Ion: 56 Resp: 12370
Ion Ratio Lower Upper
56 100
69 168.0 30.0 45.0#
84 177.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 55.638 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

Tgt Ion: 65 Resp: 365213
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

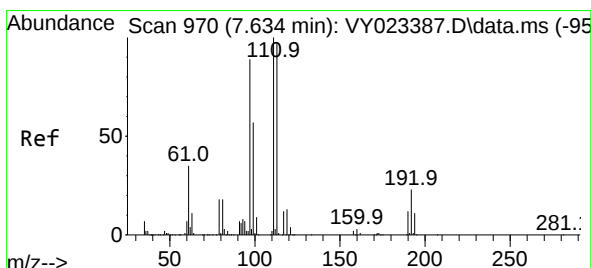
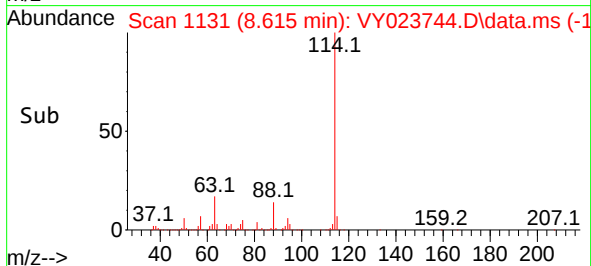
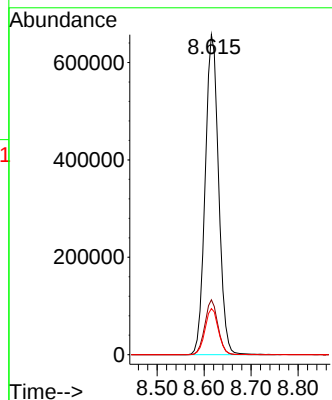
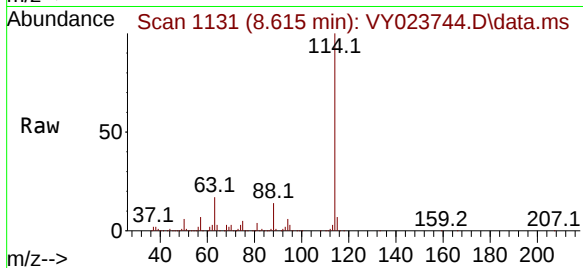
Tgt Ion:114 Resp: 1297599

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.118 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

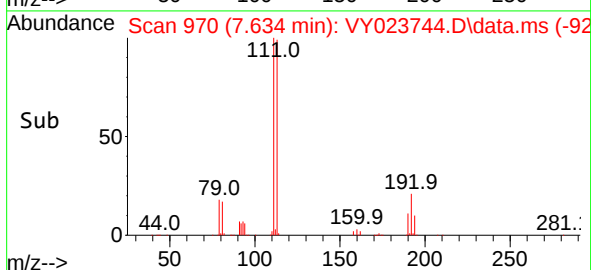
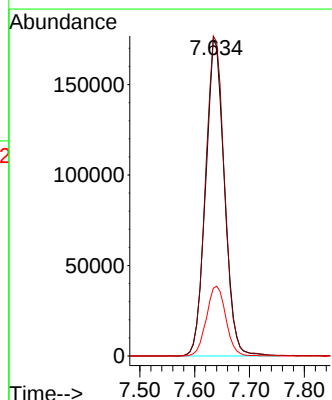
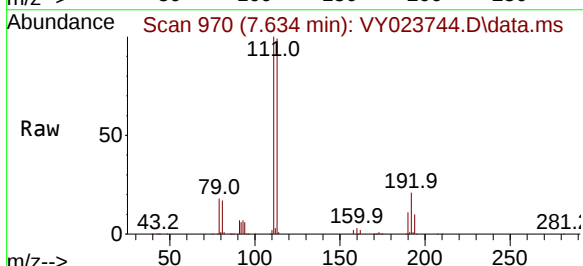
Tgt Ion:113 Resp: 415544

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

192 22.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

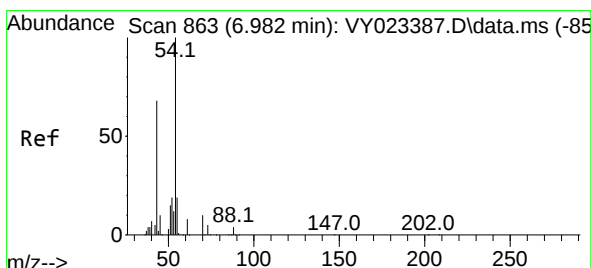
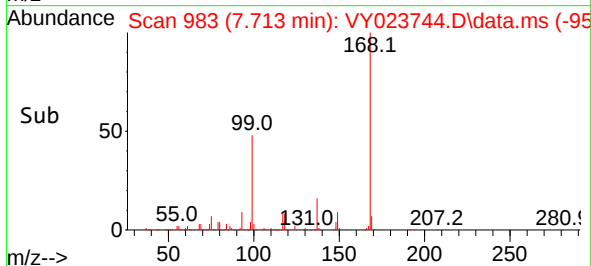
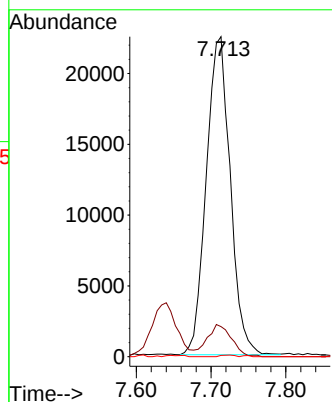
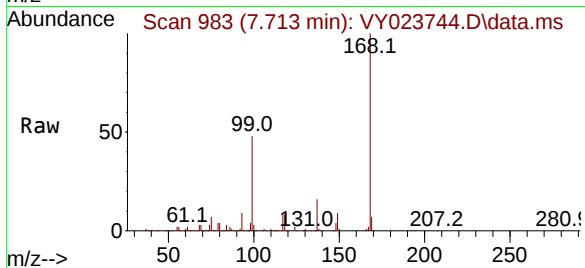
Tgt Ion: 75 Resp: 50197

Ion Ratio Lower Upper

75 100

110 10.3 19.9 59.7#

77 0.3 25.0 37.6#



#37

Ethyl Acetate

Concen: 1.305 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.092 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

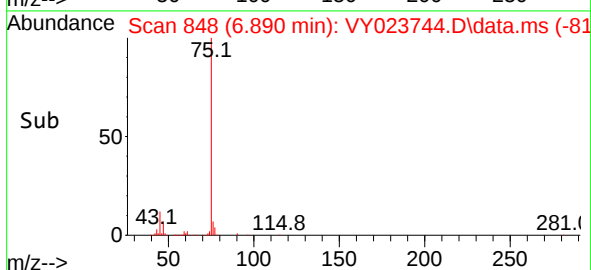
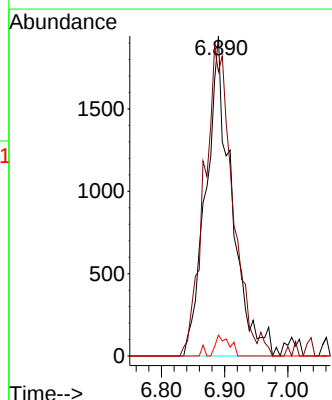
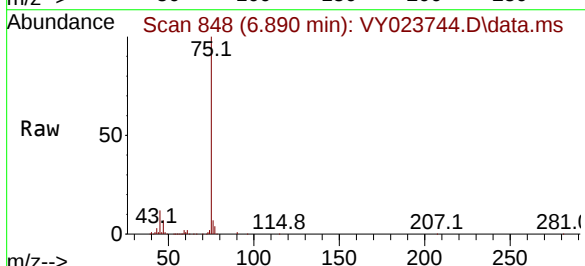
Tgt Ion: 43 Resp: 5458

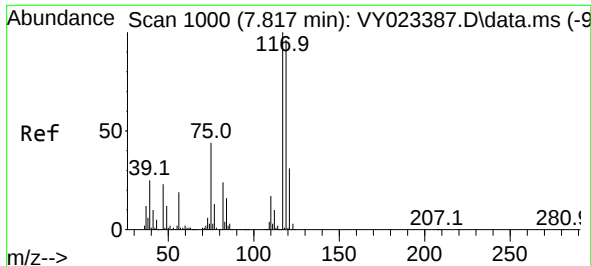
Ion Ratio Lower Upper

43 100

61 106.4 11.8 17.8#

70 3.5 10.5 15.7#

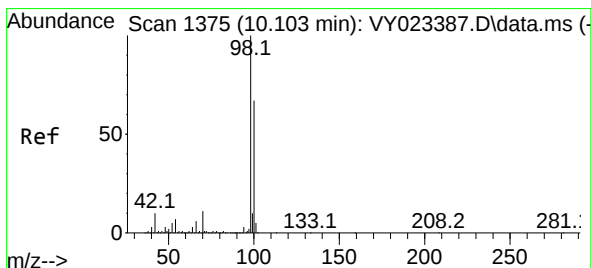
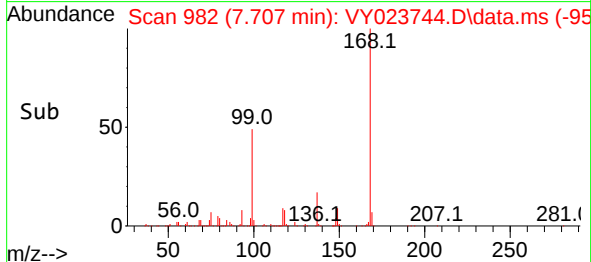
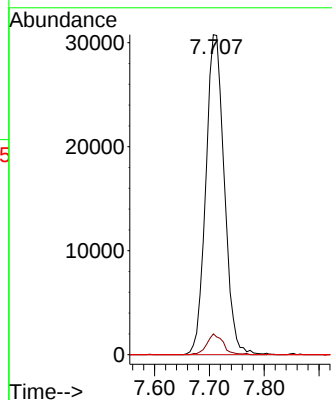
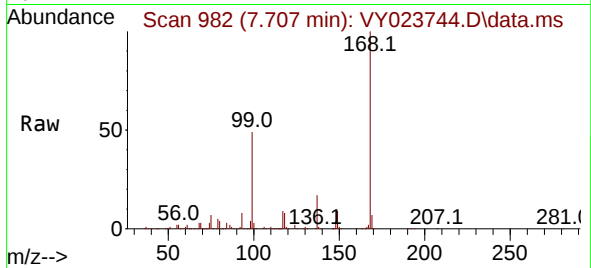




#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

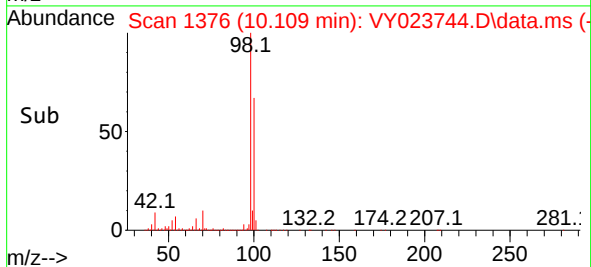
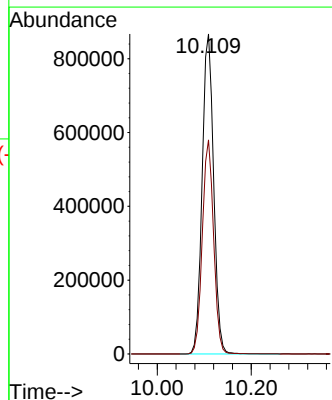
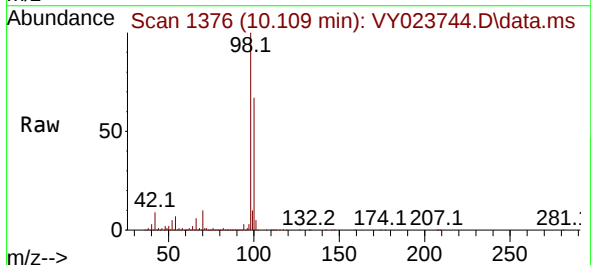
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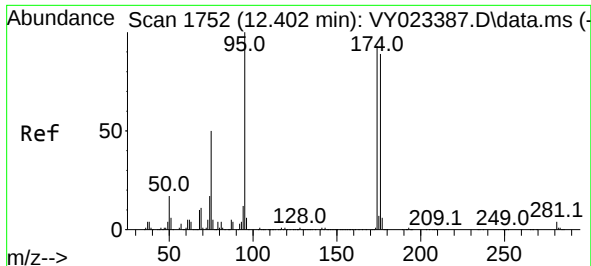
Tgt Ion:117 Resp: 71883
Ion Ratio Lower Upper
117 100
119 6.5 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.489 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

Tgt Ion: 98 Resp: 1469475
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

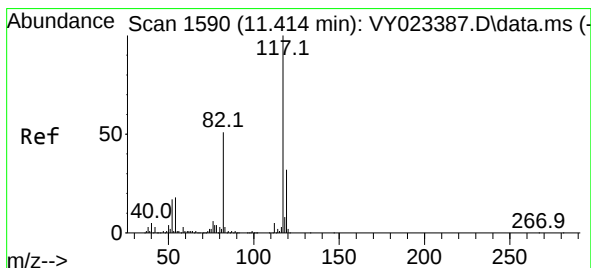
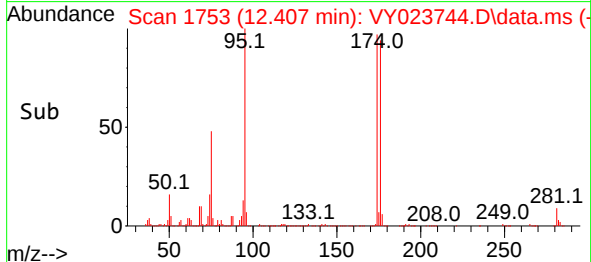
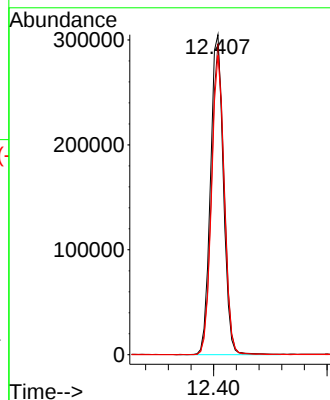
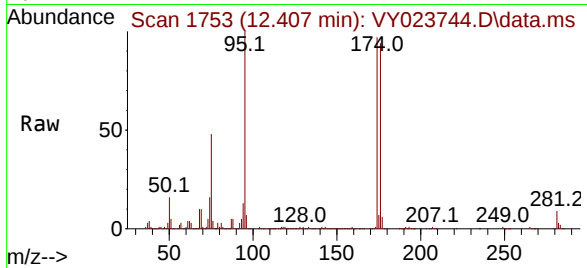




#62
4-Bromofluorobenzene
Concen: 49.200 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

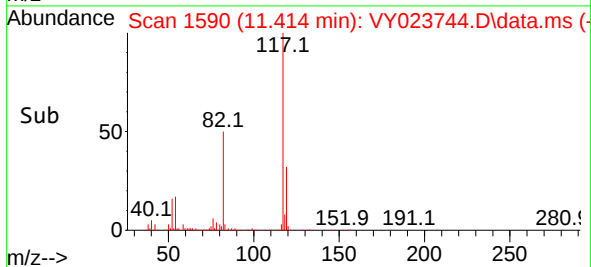
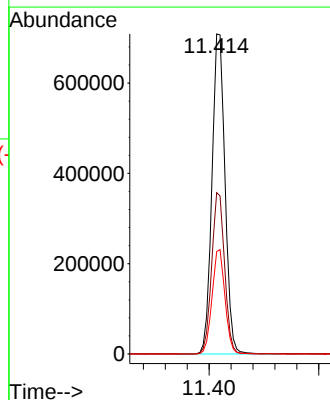
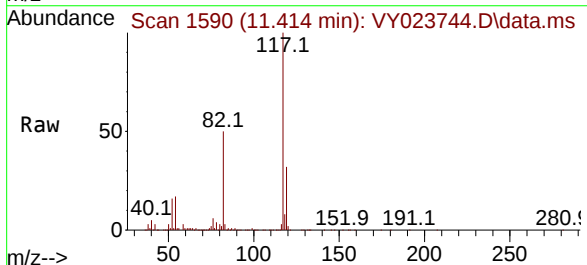
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

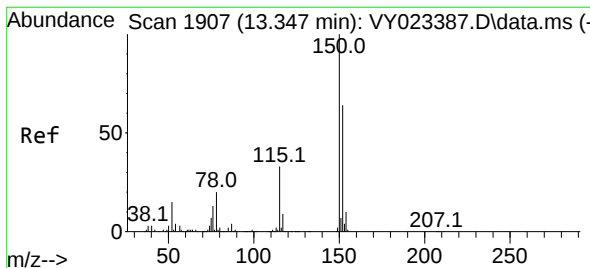
Tgt Ion: 95 Resp: 482306
Ion Ratio Lower Upper
95 100
174 95.9 0.0 192.8
176 91.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023744.D
Acq: 11 Nov 2025 16:48

Tgt Ion: 117 Resp: 1166837
Ion Ratio Lower Upper
117 100
82 50.4 41.0 61.4
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

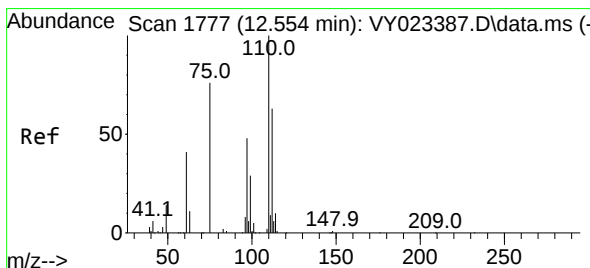
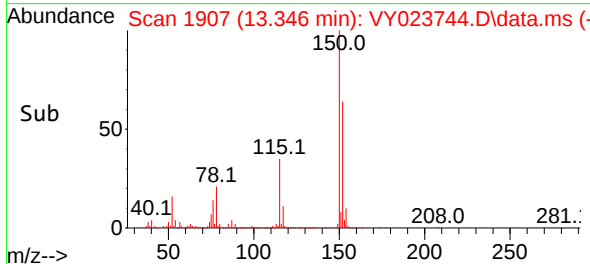
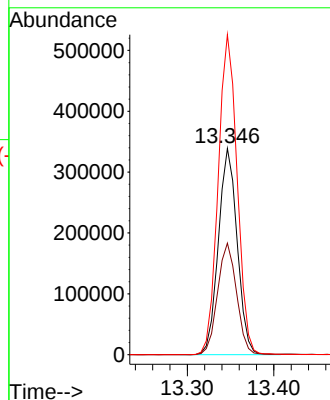
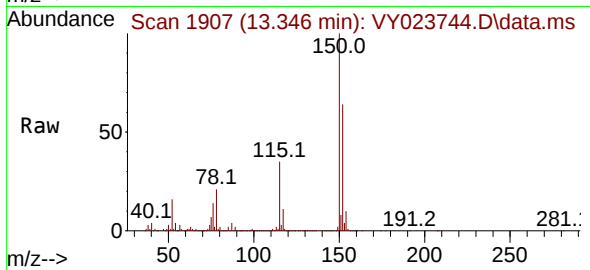
Tgt Ion:152 Resp: 510999

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 50.811 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023744.D

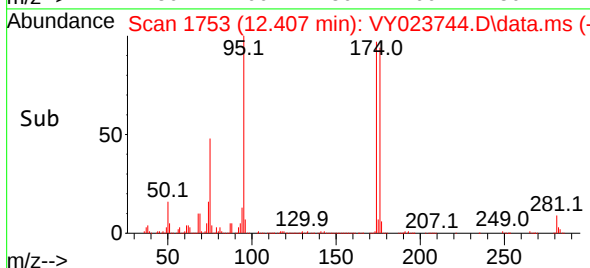
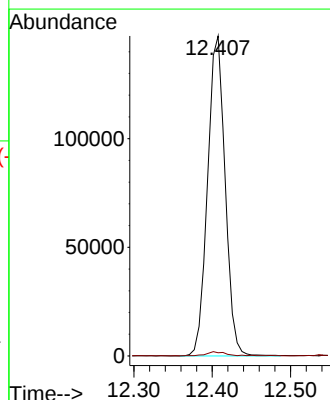
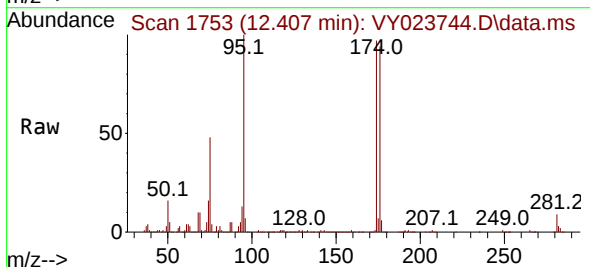
Acq: 11 Nov 2025 16:48

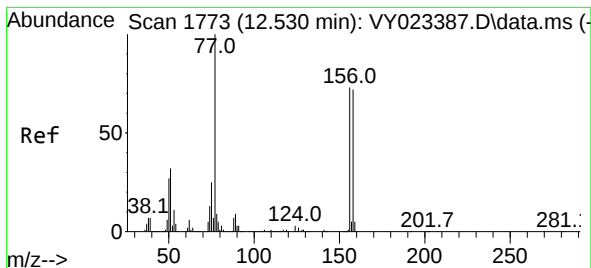
Tgt Ion: 75 Resp: 229076

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#77

Bromobenzene

Concen: 1.520 ug/l

RT: 12.609 min Scan# 1773

Delta R.T. 0.079 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

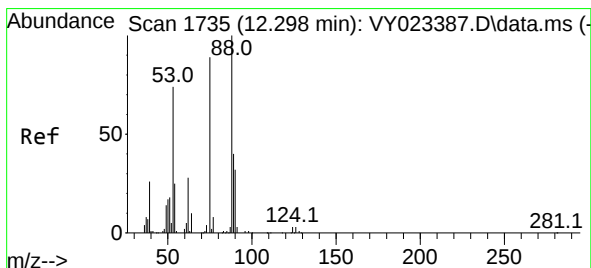
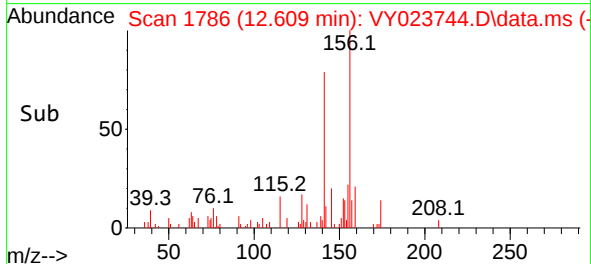
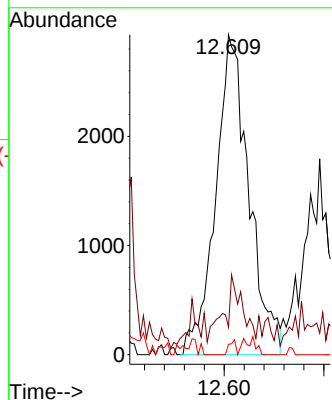
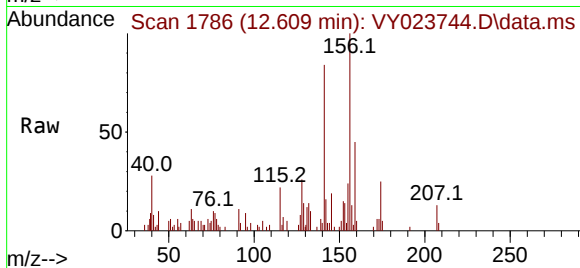
Tgt Ion:156 Resp: 13608

Ion Ratio Lower Upper

156 100

77 11.1 76.8 230.5#

158 0.9 49.0 147.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.599 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023744.D

Acq: 11 Nov 2025 16:48

Tgt Ion: 75 Resp: 229076

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

89 0.1 39.0 58.4#

