

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023767.D
 Acq On : 12 Nov 2025 16:31
 Operator : SY/MD
 Sample : Q3609-14
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-05

Quant Time: Nov 14 03:40:45 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)

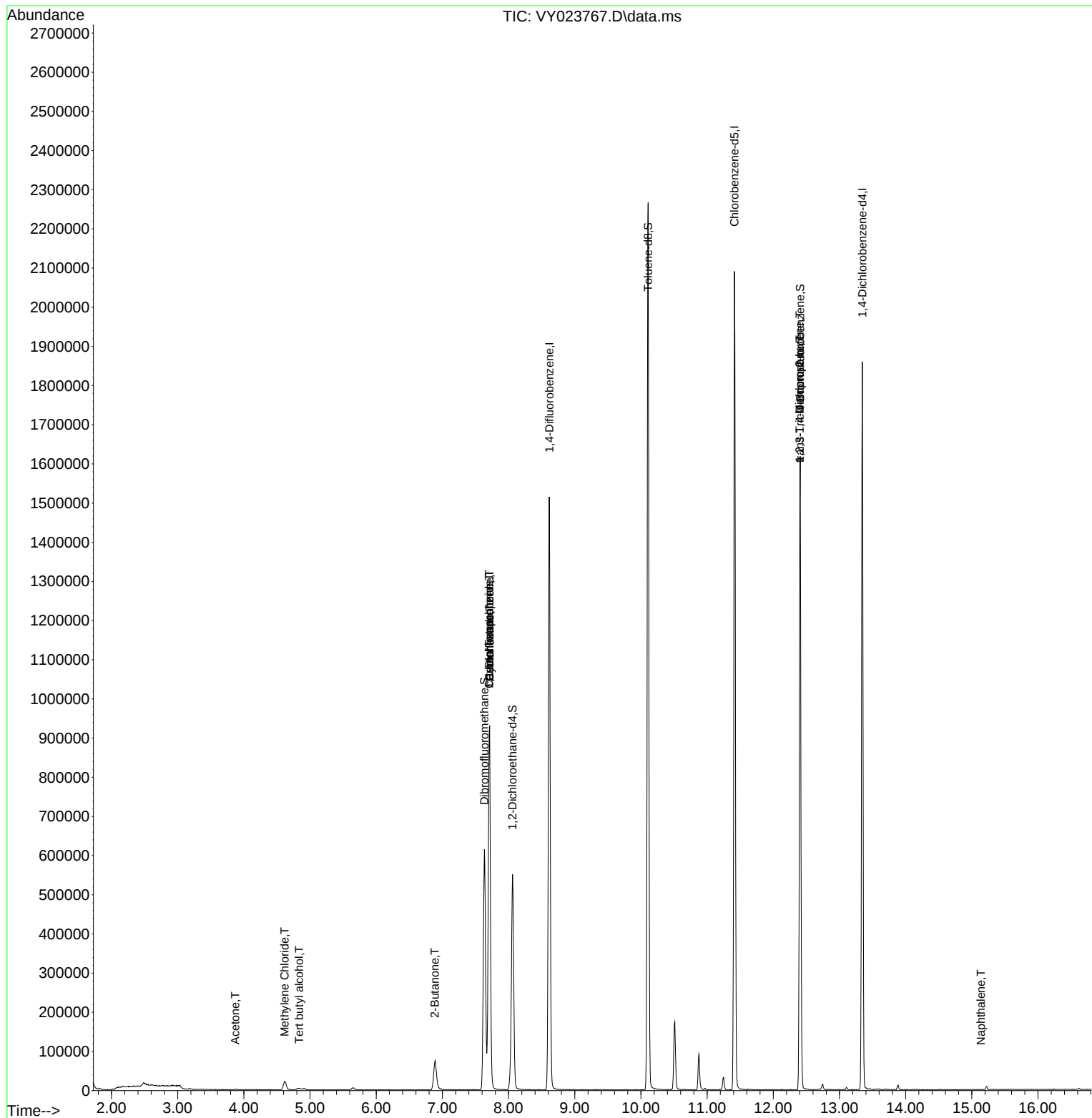
Internal Standards						
1) Pentafluorobenzene	7.713	168	764250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1345177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1176503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	481373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	408779	62.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.400%
35) Dibromofluoromethane	7.634	113	436790	51.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.920%
50) Toluene-d8	10.109	98	1519426	48.521	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.407	95	467688	46.183	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.835	59	2954	7.027	ug/l #	76
16) Acetone	3.872	43	2583	1.594	ug/l	88
20) Methylene Chloride	4.616	84	17816	2.277	ug/l	96
25) 2-Butanone	6.884	43	3979	2.124	ug/l	90
31) Cyclohexane	7.713	56	13223	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	53426	4.756	ug/l #	47
38) Carbon Tetrachloride	7.707	117	72446	5.474	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	232006	59.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	232006	134.586	ug/l #	14
95) Naphthalene	15.138	128	397	5.287	ug/l #	69

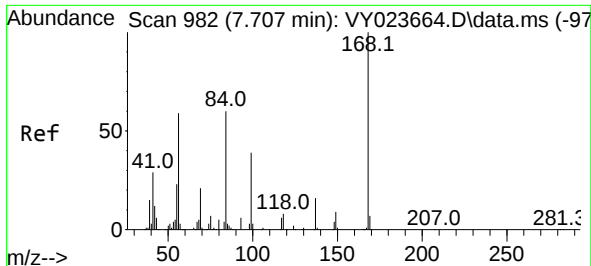
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
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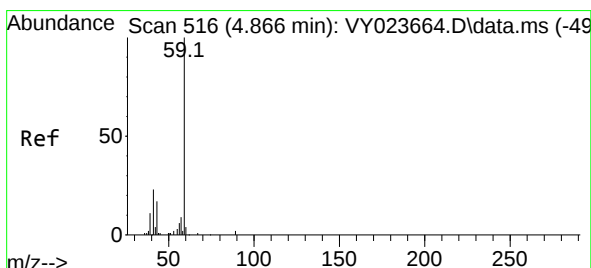
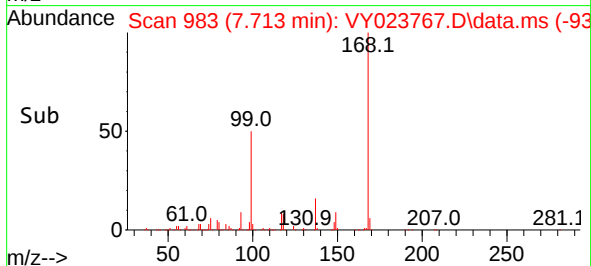
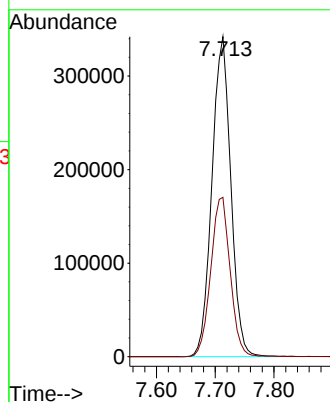
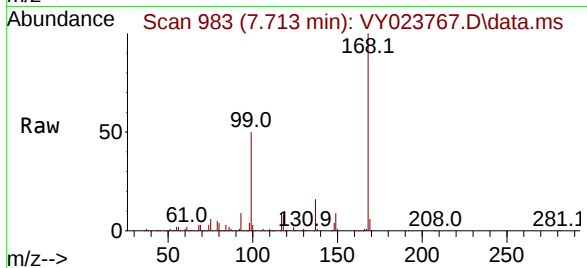




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

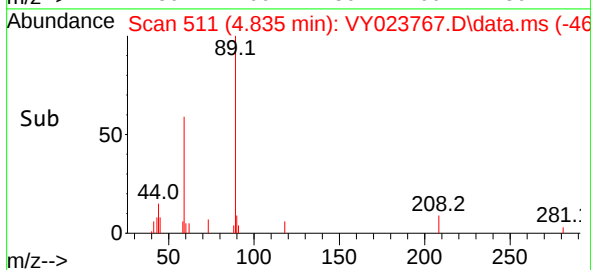
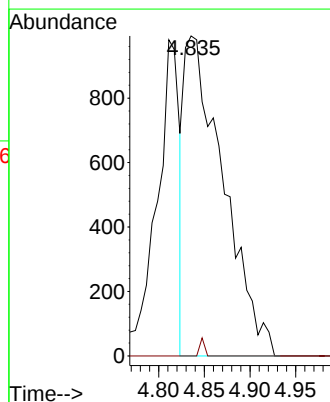
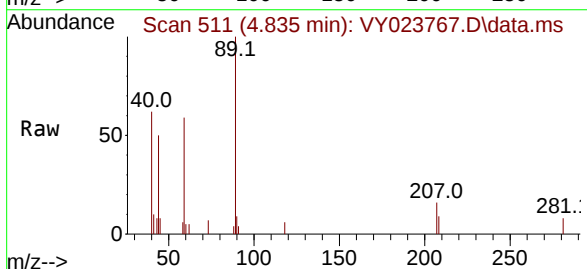
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-05

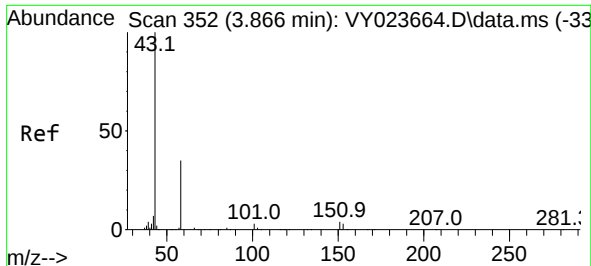
Tgt Ion:168 Resp: 764250
Ion Ratio Lower Upper
168 100
99 49.8 41.0 61.4



#11
Tert butyl alcohol
Concen: 7.027 ug/l
RT: 4.835 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 59 Resp: 2954
Ion Ratio Lower Upper
59 100
57 0.7 7.4 11.2#

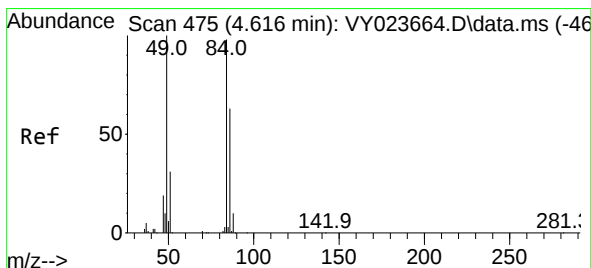
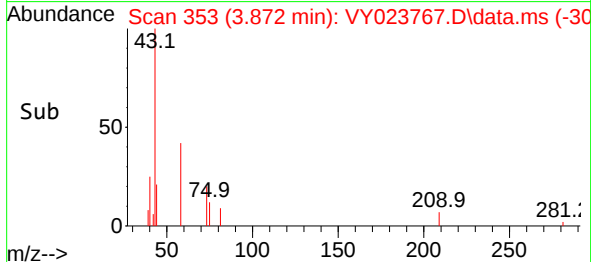
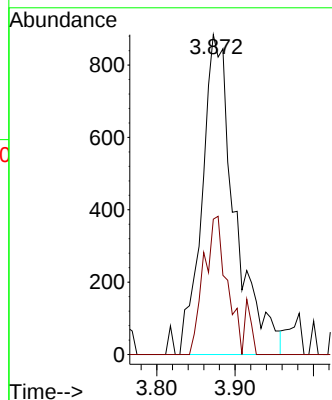
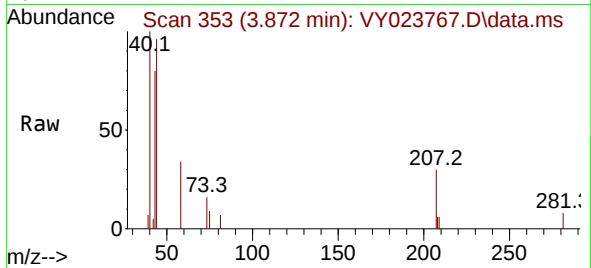




#16
Acetone
Concen: 1.594 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

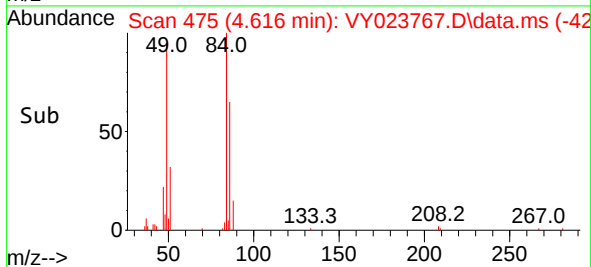
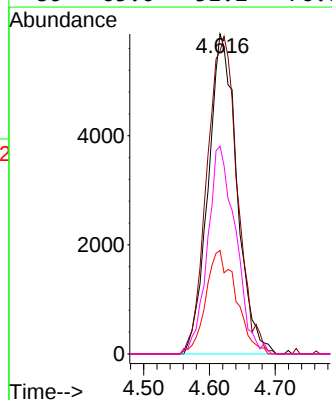
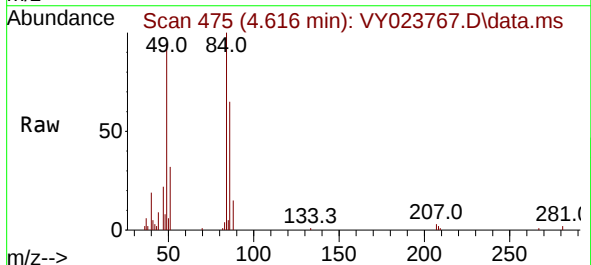
Instrument :
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ClientSampleId :
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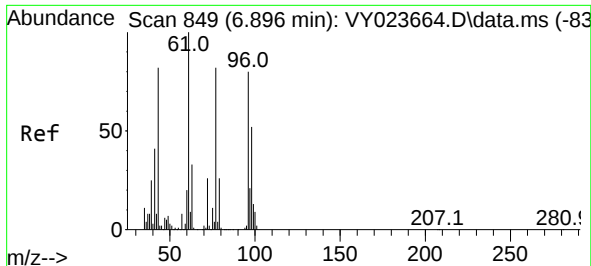
Tgt Ion: 43 Resp: 2583
Ion Ratio Lower Upper
43 100
58 42.3 28.2 42.4



#20
Methylene Chloride
Concen: 2.277 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 84 Resp: 17816
Ion Ratio Lower Upper
84 100
49 94.6 81.5 122.3
51 32.3 25.5 38.3
86 65.0 51.2 76.8

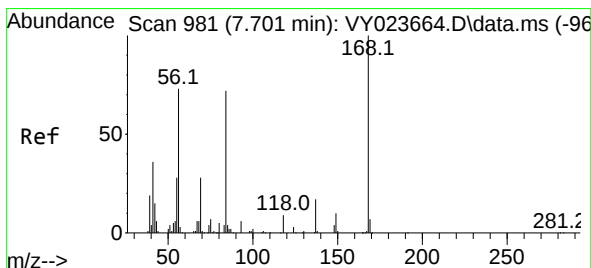
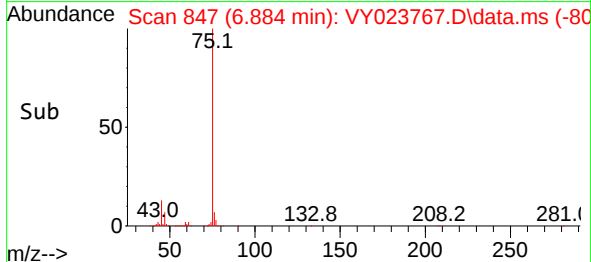
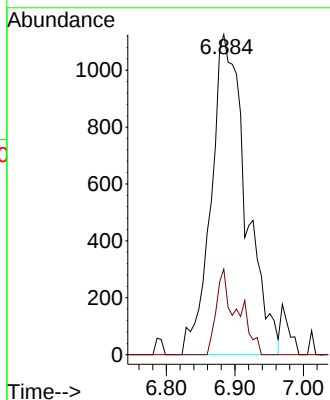
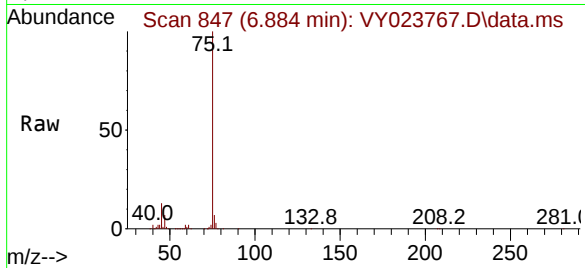




#25
2-Butanone
Concen: 2.124 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.013 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

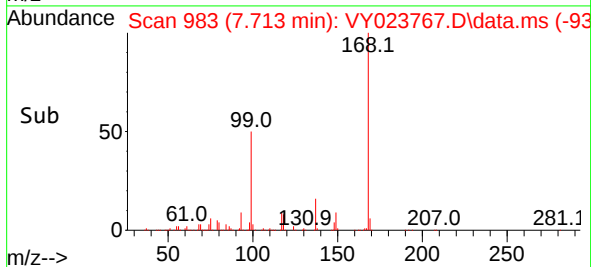
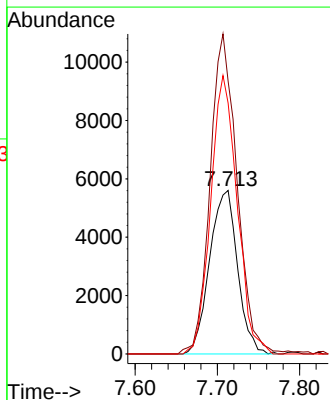
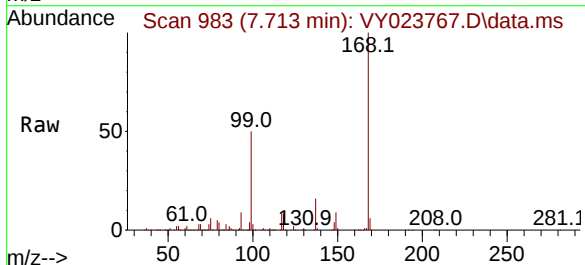
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-05

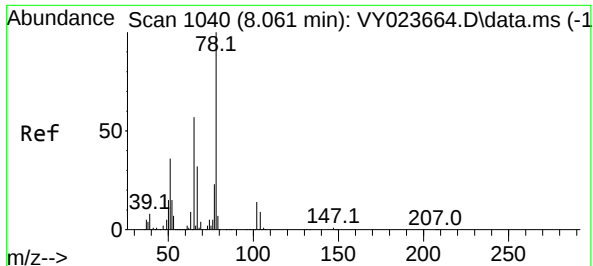
Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
72 26.8 25.7 38.5



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 56 Resp: 13223
Ion Ratio Lower Upper
56 100
69 166.9 30.5 45.7#
84 153.5 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 62.704 ug/l

RT: 8.060 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023767.D

Acq: 12 Nov 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

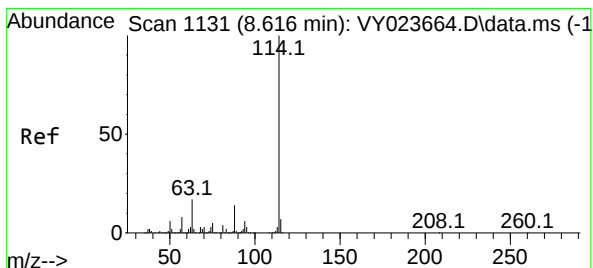
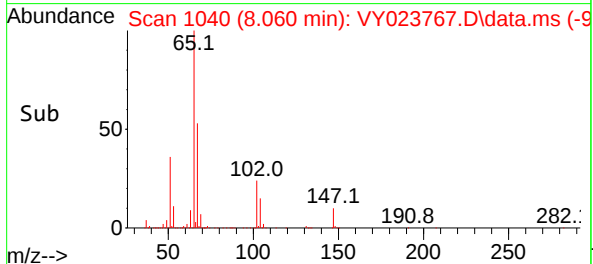
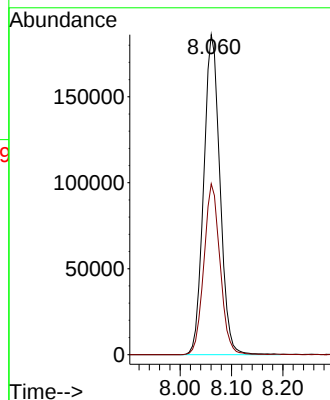
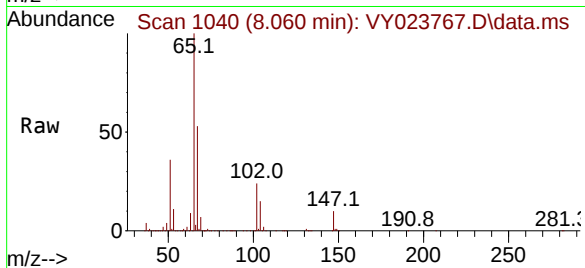
AU-713-VOC-05

Tgt Ion: 65 Resp: 408779

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023767.D

Acq: 12 Nov 2025 16:31

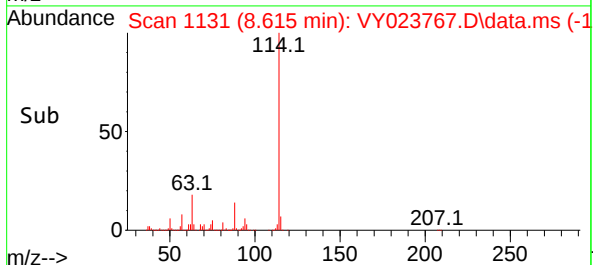
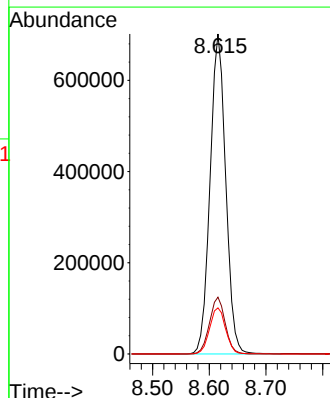
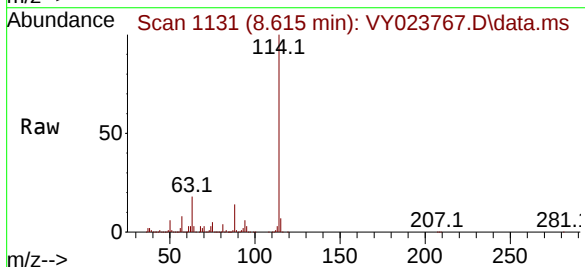
Tgt Ion:114 Resp: 1345177

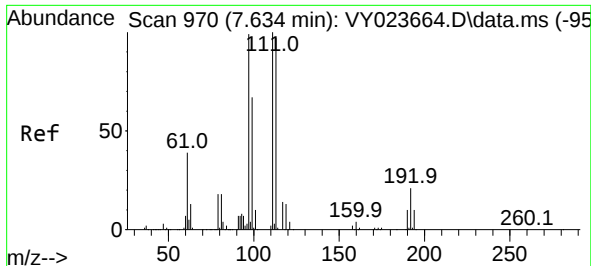
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.4 0.0 29.0

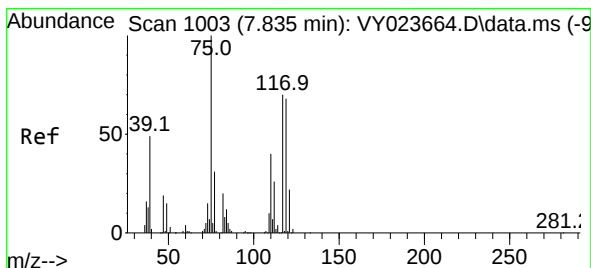
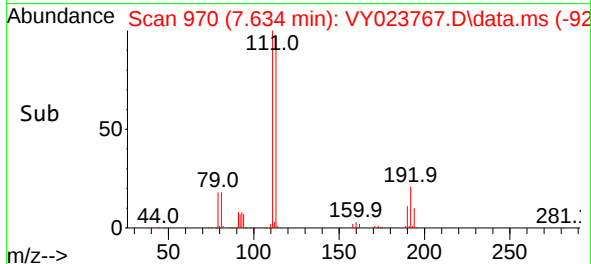
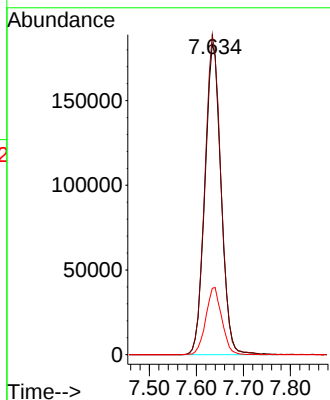
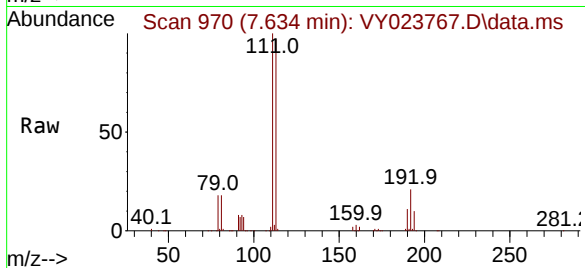




#35
Dibromofluoromethane
Concen: 51.959 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

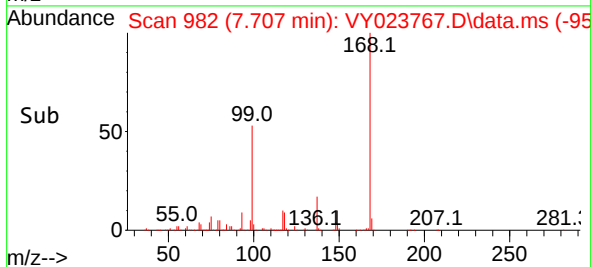
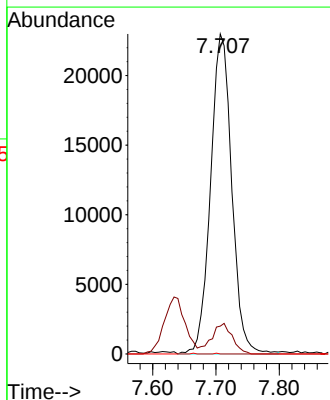
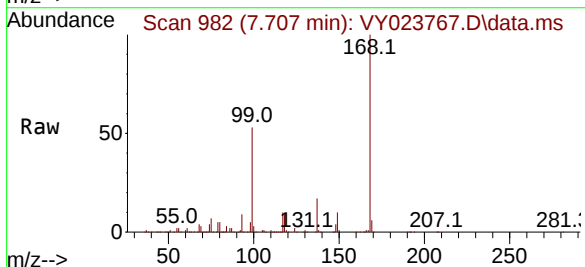
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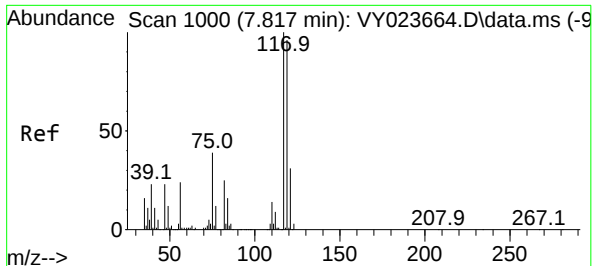
Tgt Ion:113 Resp: 436790
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 21.4 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 75 Resp: 53426
Ion Ratio Lower Upper
75 100
110 9.1 19.7 59.0#
77 0.0 25.2 37.8#

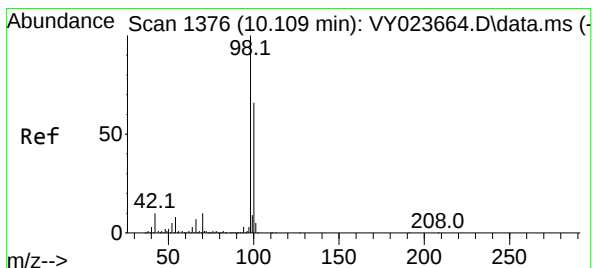
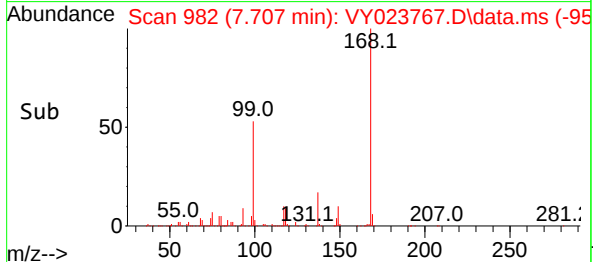
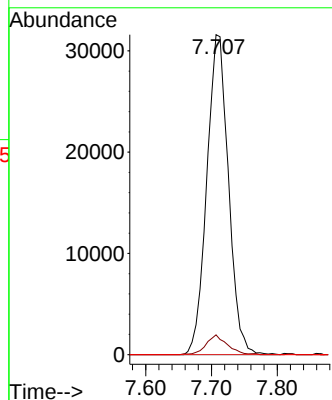
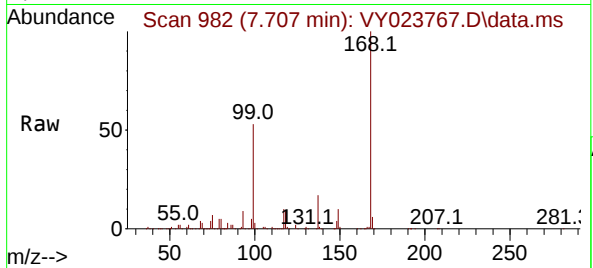




#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

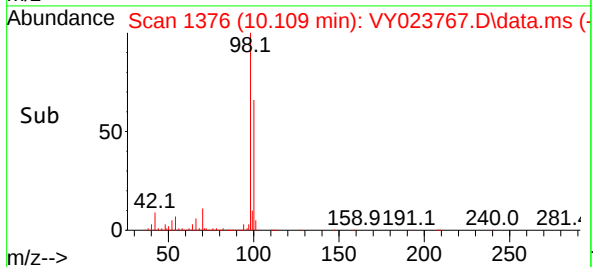
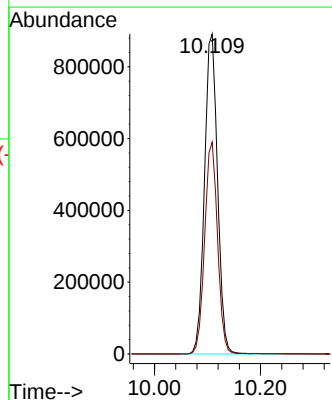
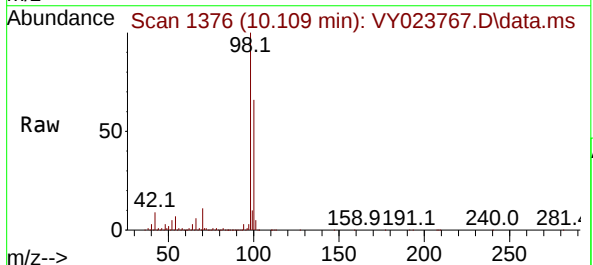
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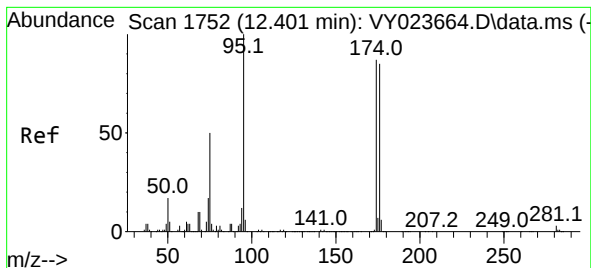
Tgt Ion:117 Resp: 72446
Ion Ratio Lower Upper
117 100
119 6.2 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.521 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 98 Resp: 1519426
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

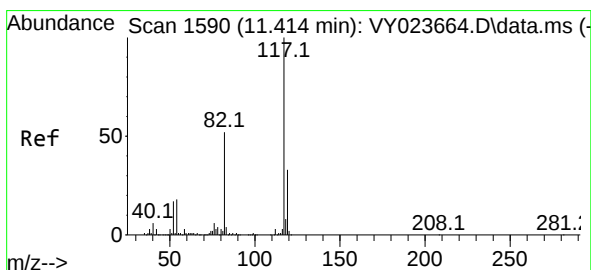
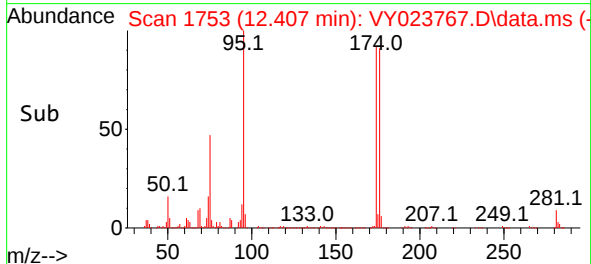
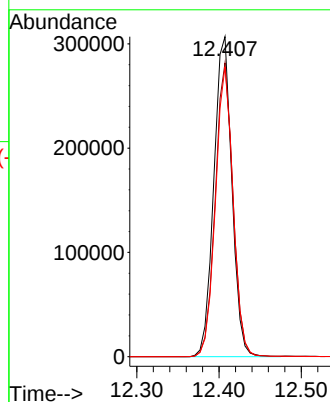
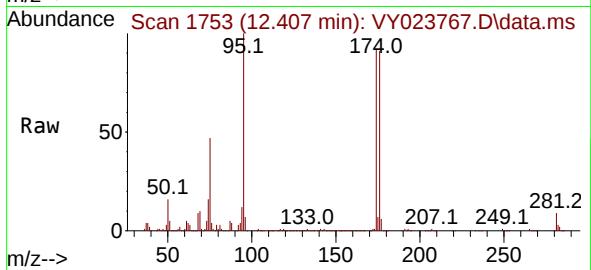




#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

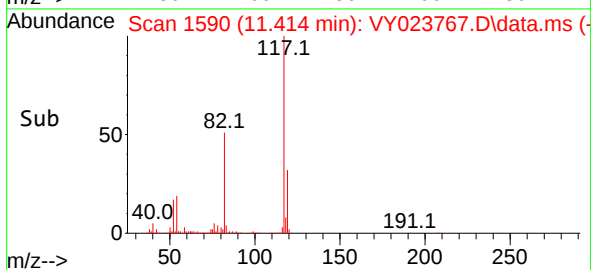
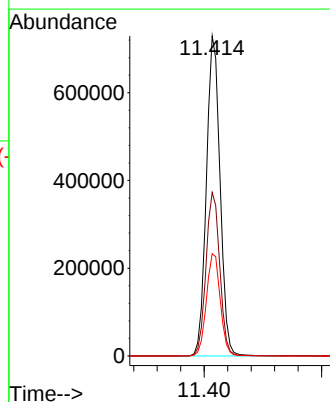
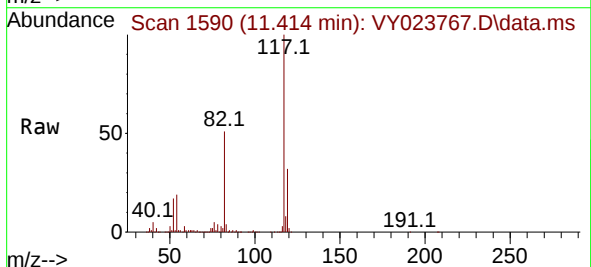
Instrument :
MSVOA_Y
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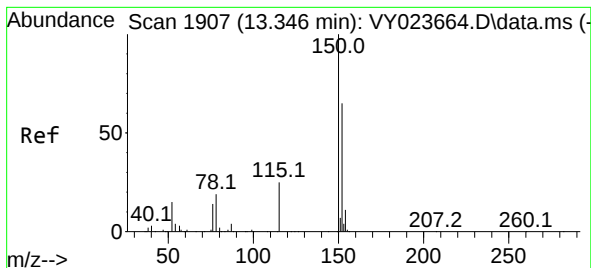
Tgt Ion: 95 Resp: 467688
Ion Ratio Lower Upper
95 100
174 90.5 0.0 184.8
176 88.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 117 Resp: 1176503
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023767.D

Acq: 12 Nov 2025 16:31

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-05

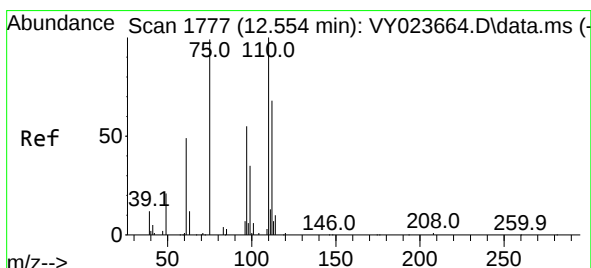
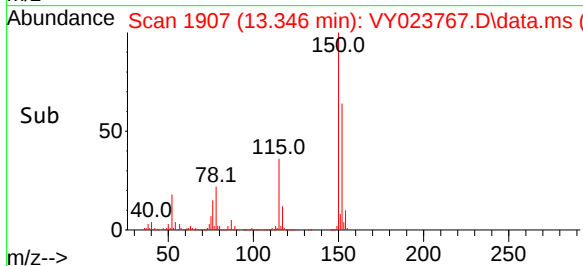
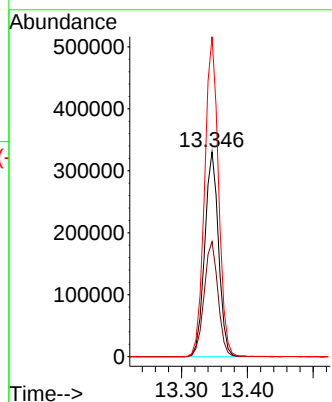
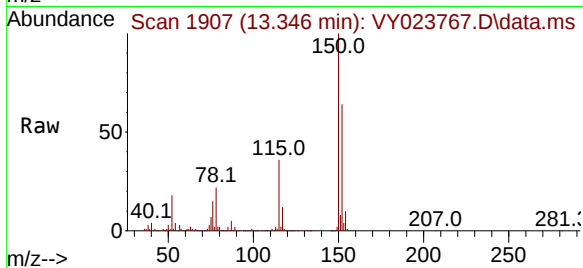
Tgt Ion:152 Resp: 481373

Ion Ratio Lower Upper

152 100

115 56.8 27.5 82.5

150 157.2 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 59.553 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY023767.D

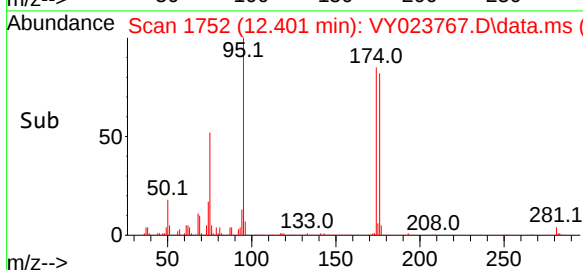
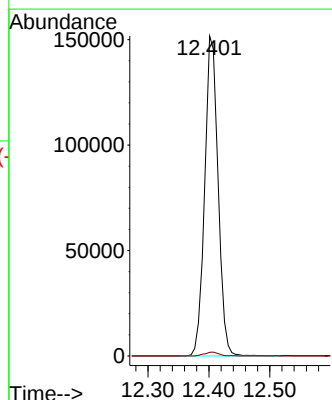
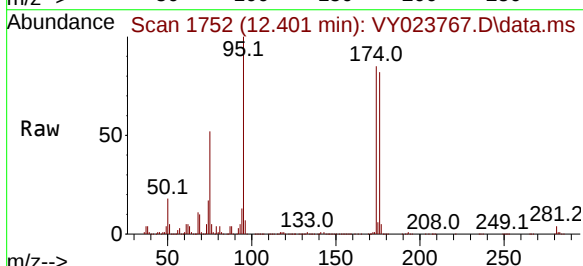
Acq: 12 Nov 2025 16:31

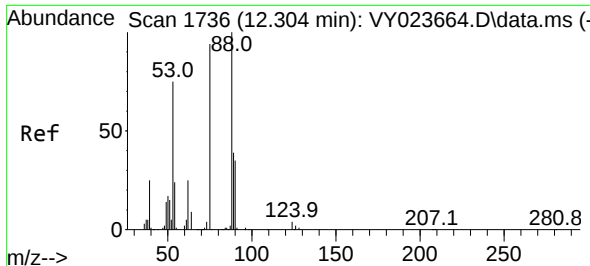
Tgt Ion: 75 Resp: 232006

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

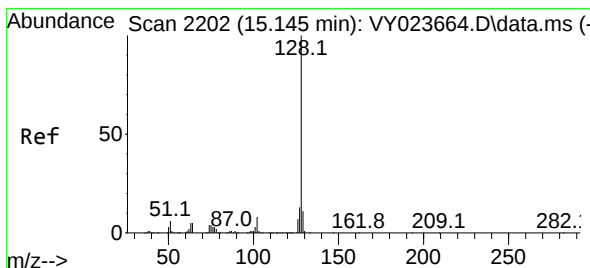
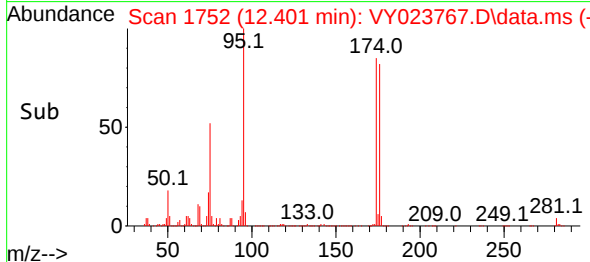
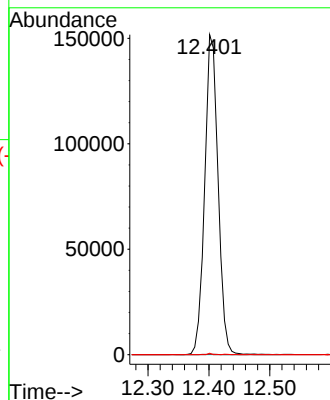
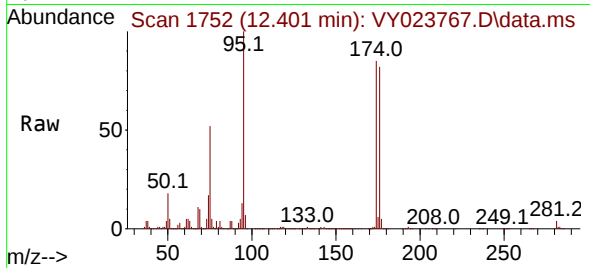




#81
trans-1,4-Dichloro-2-butene
Concen: 134.586 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-05

Tgt Ion: 75 Resp: 232006
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.287 ug/l
RT: 15.138 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY023767.D
Acq: 12 Nov 2025 16:31

Tgt Ion: 128 Resp: 397
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

