

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022909.D
 Acq On : 02 Jul 2025 13:59
 Operator : SY/MD
 Sample : Q2478-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jul 03 02:21:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

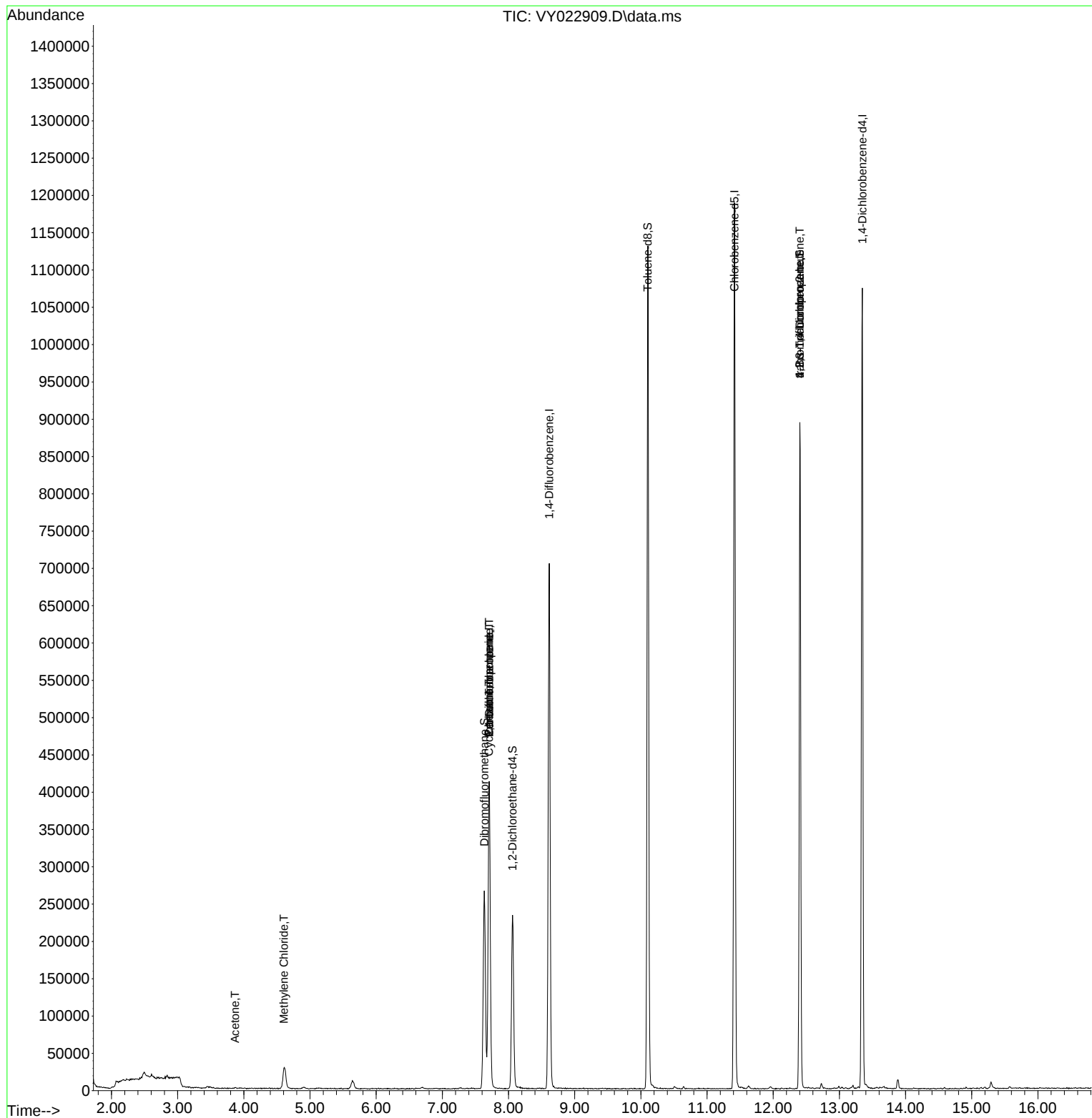
Internal Standards						
1) Pentafluorobenzene	7.707	168	312576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	584710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	595964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	263300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187786	53.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.660%	
35) Dibromofluoromethane	7.634	113	186170	52.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.700%	
50) Toluene-d8	10.103	98	727046	51.526	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.402	95	265426	58.515	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 117.020%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1643	2.492	ug/l	94
20) Methylene Chloride	4.604	84	21235	5.099	ug/l	90
31) Cyclohexane	7.701	56	7845	1.309	ug/l #	39
36) 1,1-Dichloropropene	7.707	75	26616	4.938	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32168	5.656	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	146174	54.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	146174	137.382	ug/l #	11

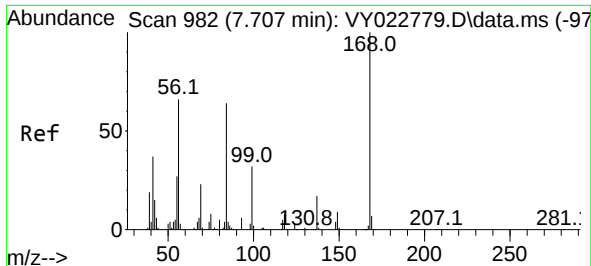
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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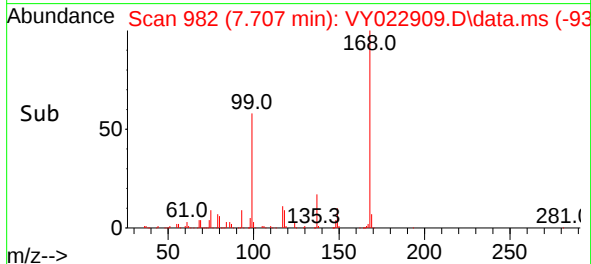
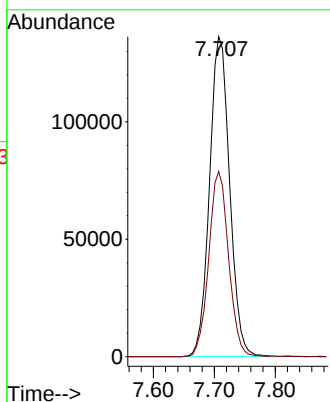
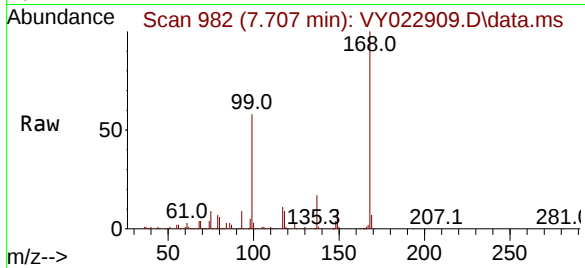




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

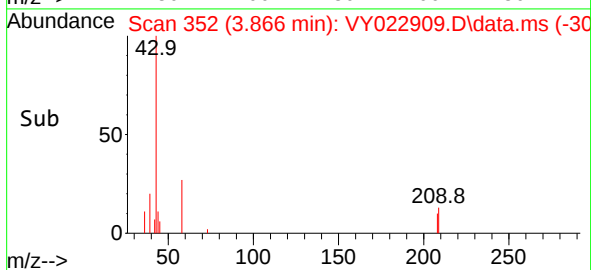
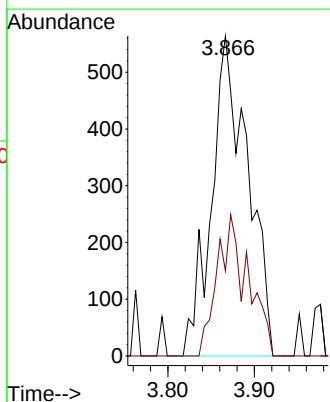
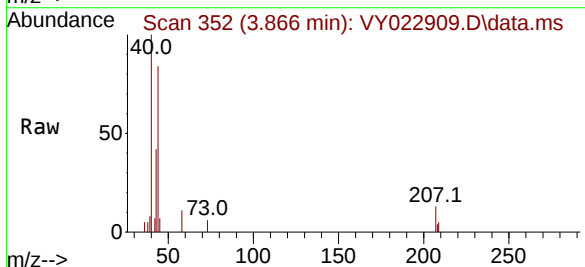
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

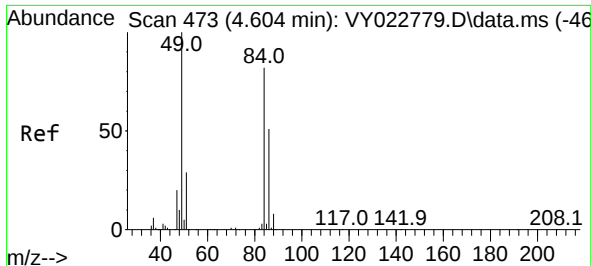
Tgt Ion:168 Resp: 312576
Ion Ratio Lower Upper
168 100
99 57.9 44.3 66.5



#16
Acetone
Concen: 2.492 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
58 26.6 24.0 36.0

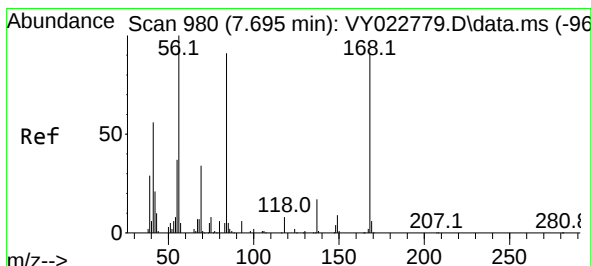
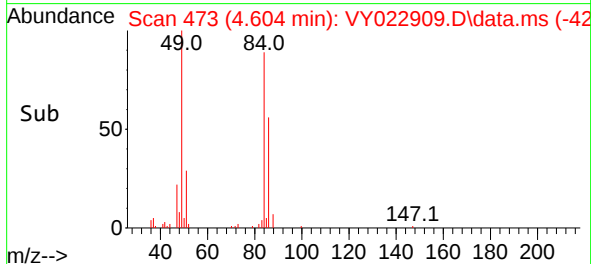
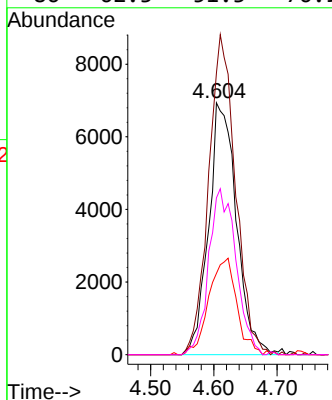
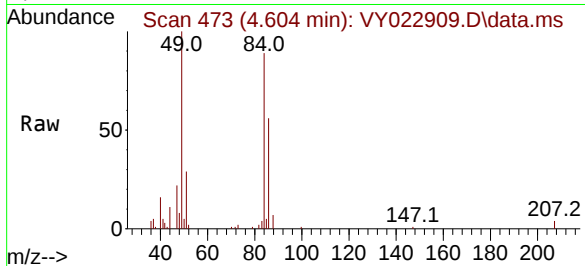




#20
Methylene Chloride
Concen: 5.099 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

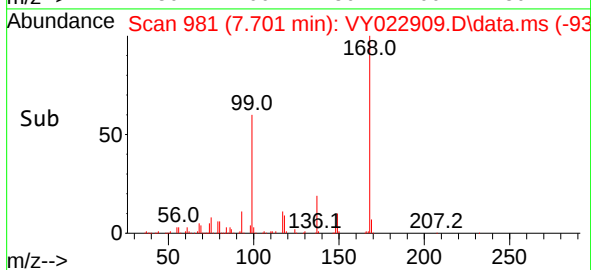
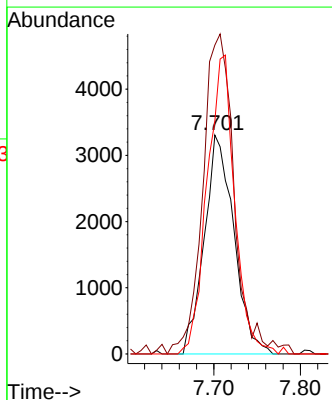
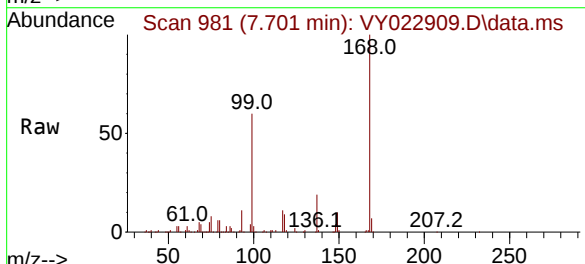
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

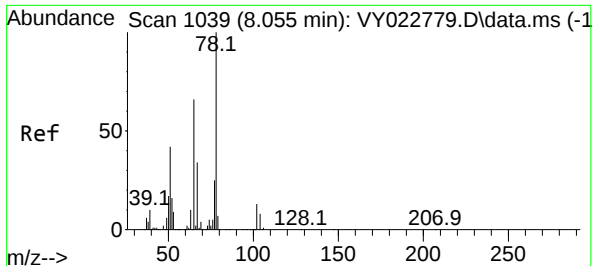
Tgt Ion:	84	Resp:	21235
Ion	Ratio	Lower	Upper
84	100		
49	111.9	101.9	152.9
51	32.3	29.8	44.8
86	62.3	51.3	76.9



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

Tgt Ion:	56	Resp:	7845
Ion	Ratio	Lower	Upper
56	100		
69	138.0	27.0	40.6#
84	106.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 53.827 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022909.D

Acq: 02 Jul 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

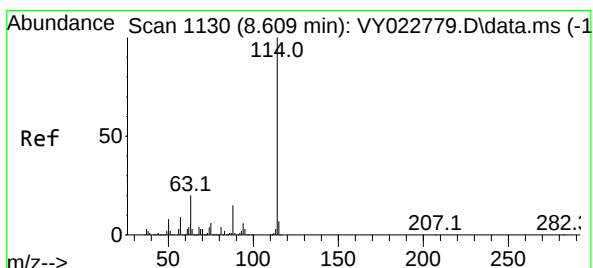
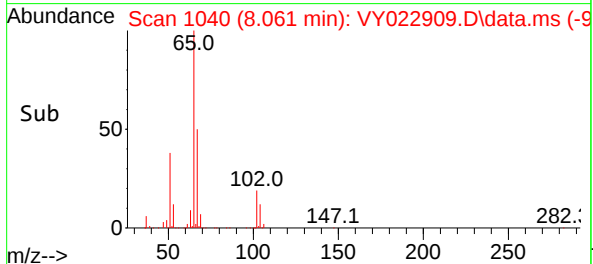
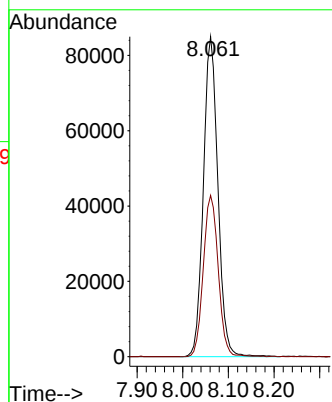
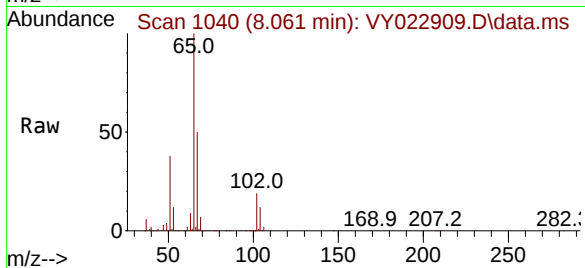
WC-1-VOC

Tgt Ion: 65 Resp: 187786

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022909.D

Acq: 02 Jul 2025 13:59

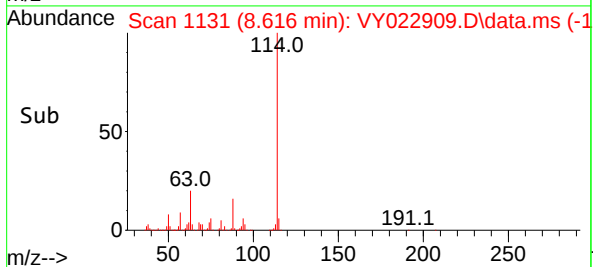
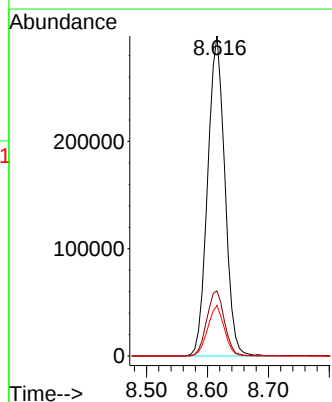
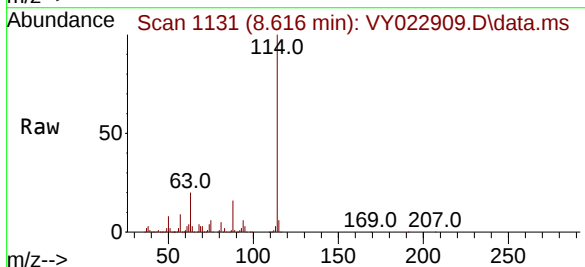
Tgt Ion: 114 Resp: 584710

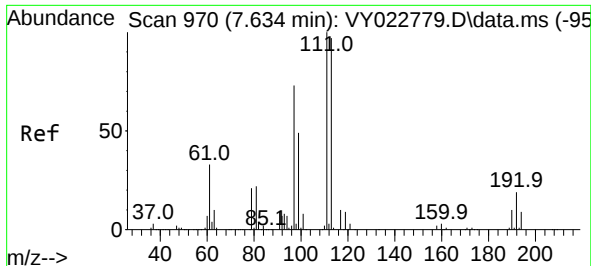
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.8 0.0 27.8

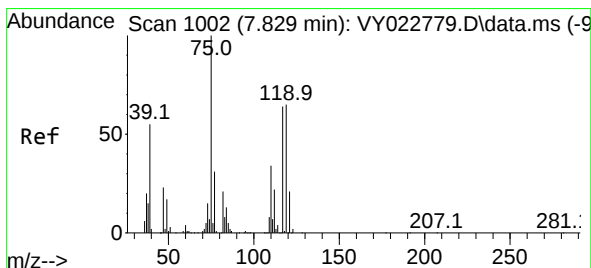
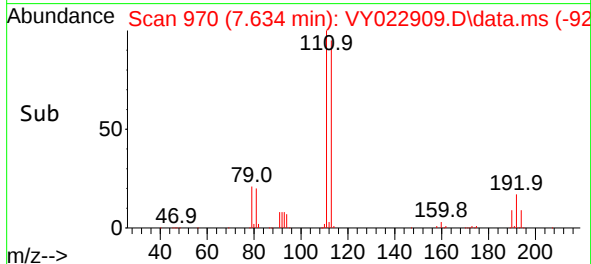
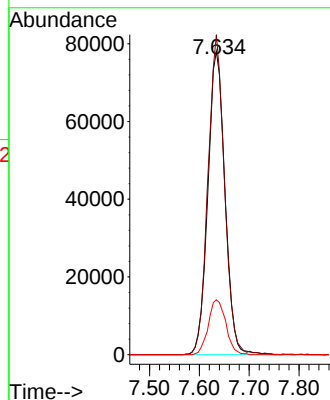
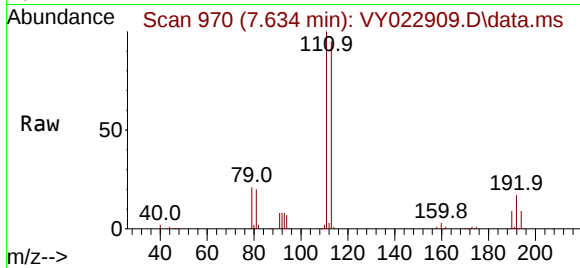




#35
Dibromofluoromethane
Concen: 52.355 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

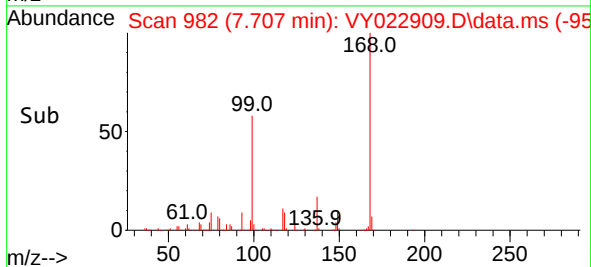
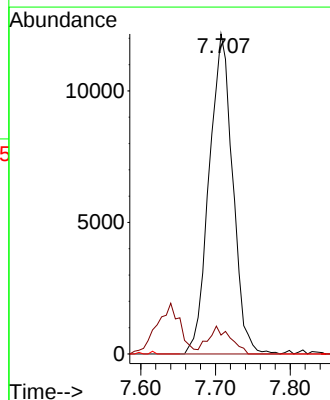
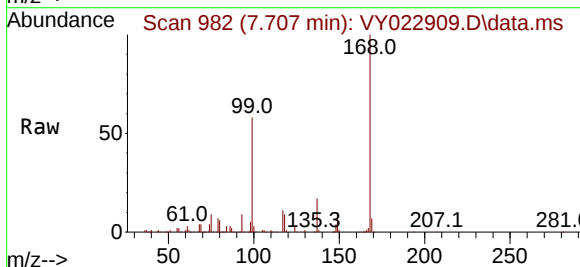
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

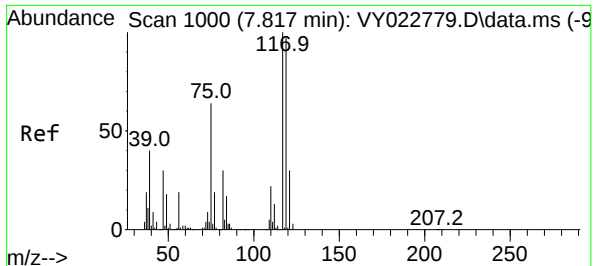
Tgt Ion:113 Resp: 186170
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

Tgt Ion: 75 Resp: 26616
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.8 37.2#

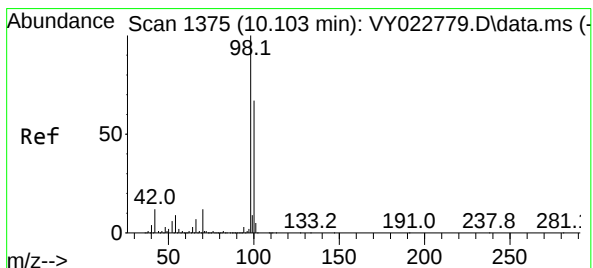
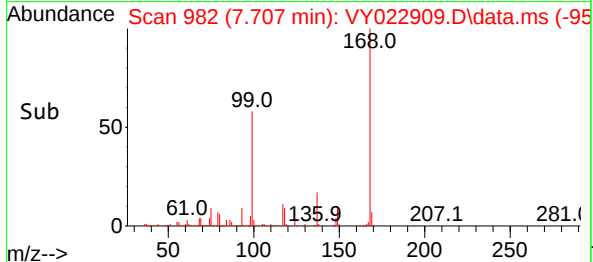
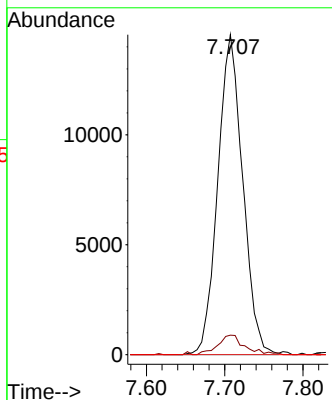
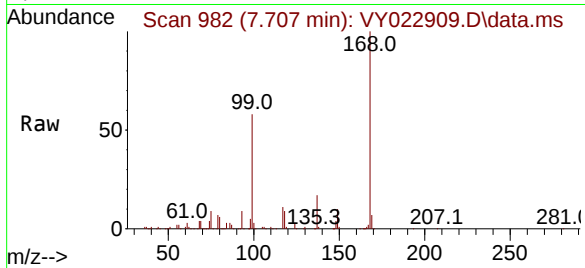




#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

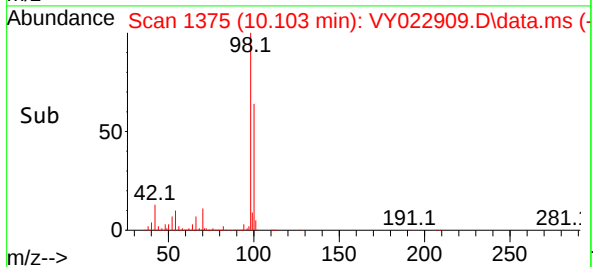
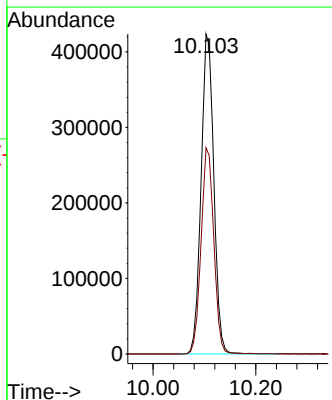
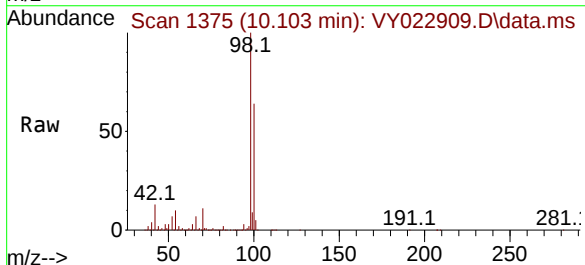
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

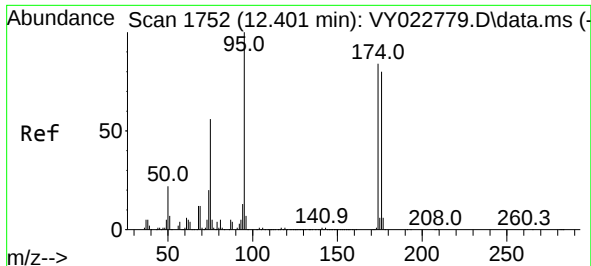
Tgt Ion:117 Resp: 32168
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

Tgt Ion: 98 Resp: 727046
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

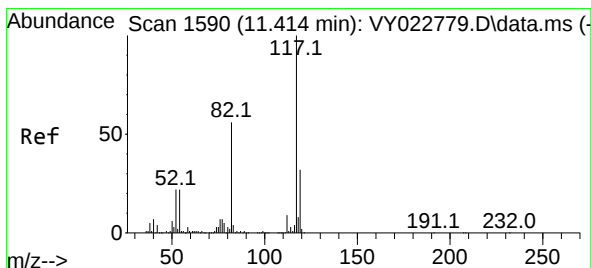
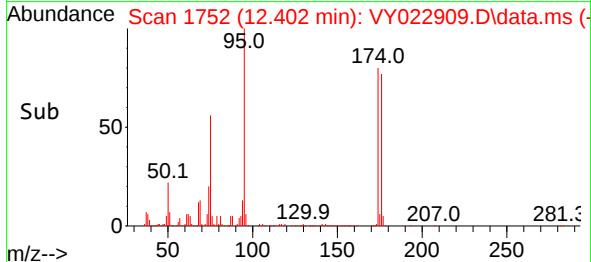
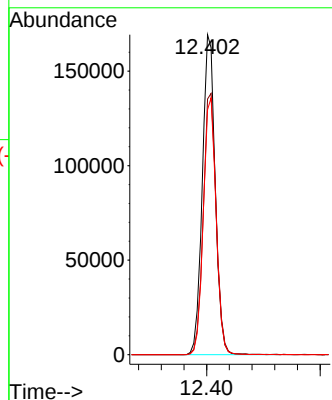
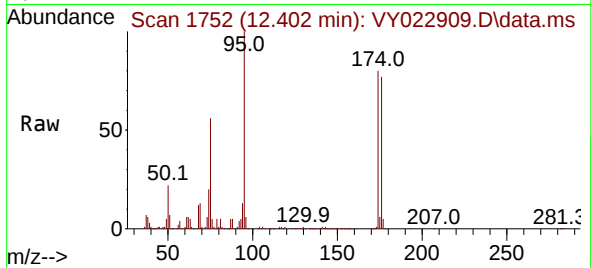




#62
4-Bromofluorobenzene
Concen: 58.515 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

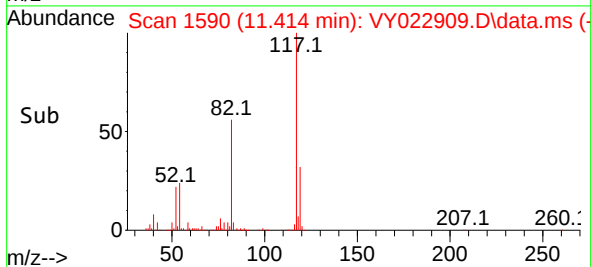
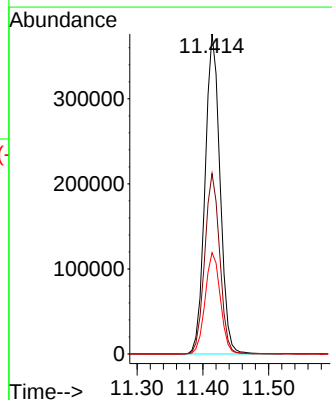
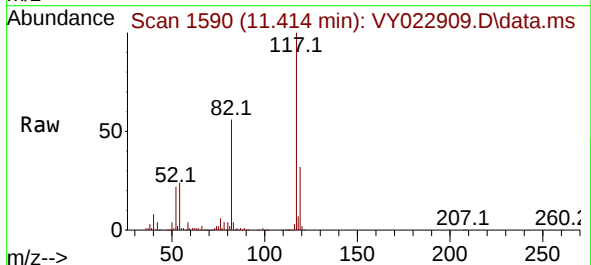
Instrument :
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ClientSampleId :
WC-1-VOC

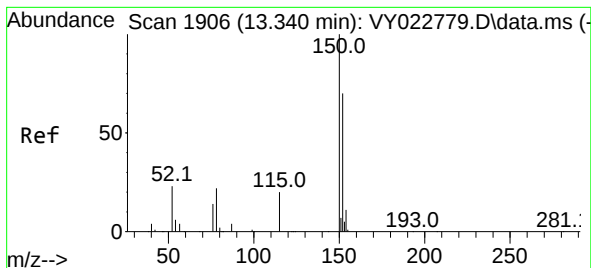
Tgt Ion: 95 Resp: 265426
Ion Ratio Lower Upper
95 100
174 82.2 0.0 170.0
176 79.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022909.D
Acq: 02 Jul 2025 13:59

Tgt Ion: 117 Resp: 595964
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022909.D

Acq: 02 Jul 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

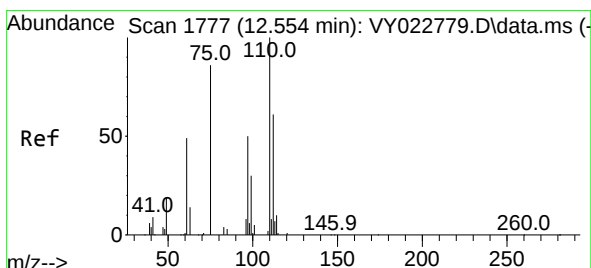
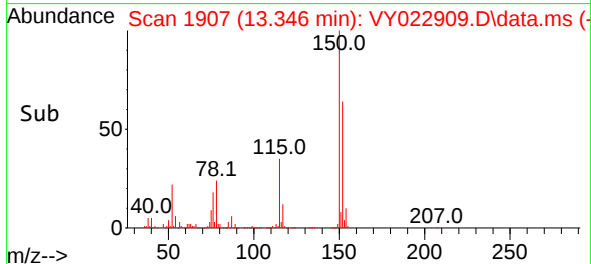
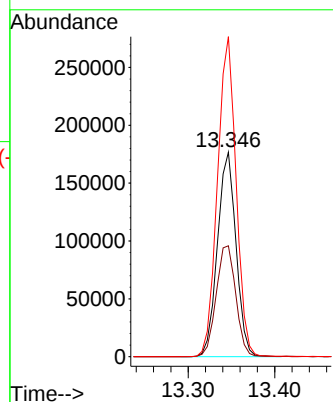
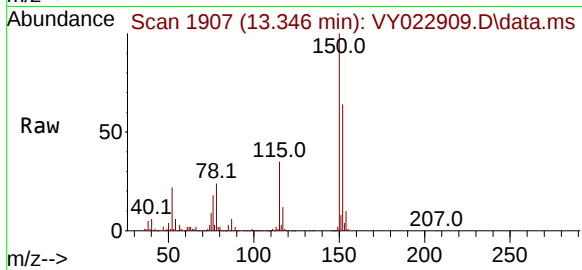
Tgt Ion:152 Resp: 263300

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 157.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.379 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022909.D

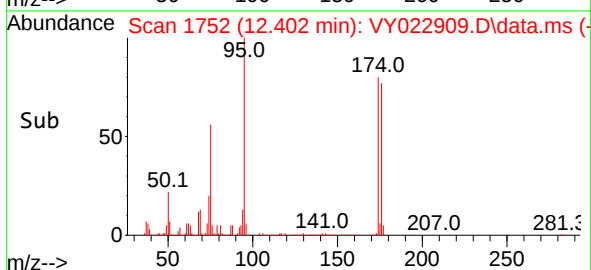
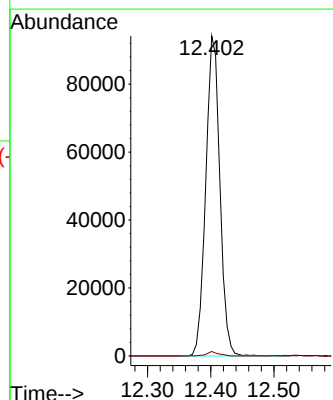
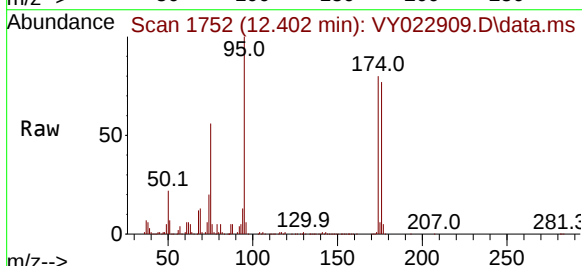
Acq: 02 Jul 2025 13:59

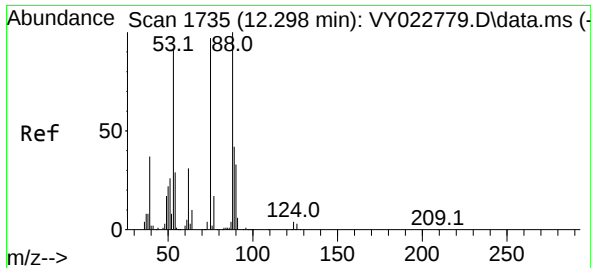
Tgt Ion: 75 Resp: 146174

Ion Ratio Lower Upper

75 100

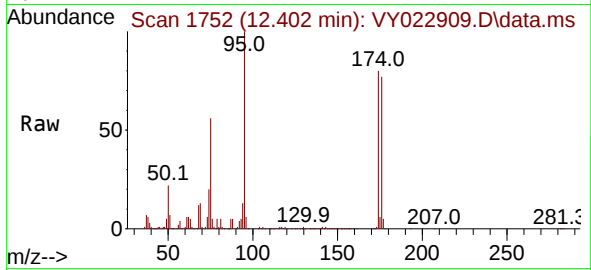
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.382 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022909.D
 Acq: 02 Jul 2025 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC



Tgt Ion: 75 Resp: 146174
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

