

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022323.D
 Acq On : 19 May 2025 16:56
 Operator : SY/MD
 Sample : Q2071-11
 Misc : 2.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

Quant Time: May 20 01:16:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

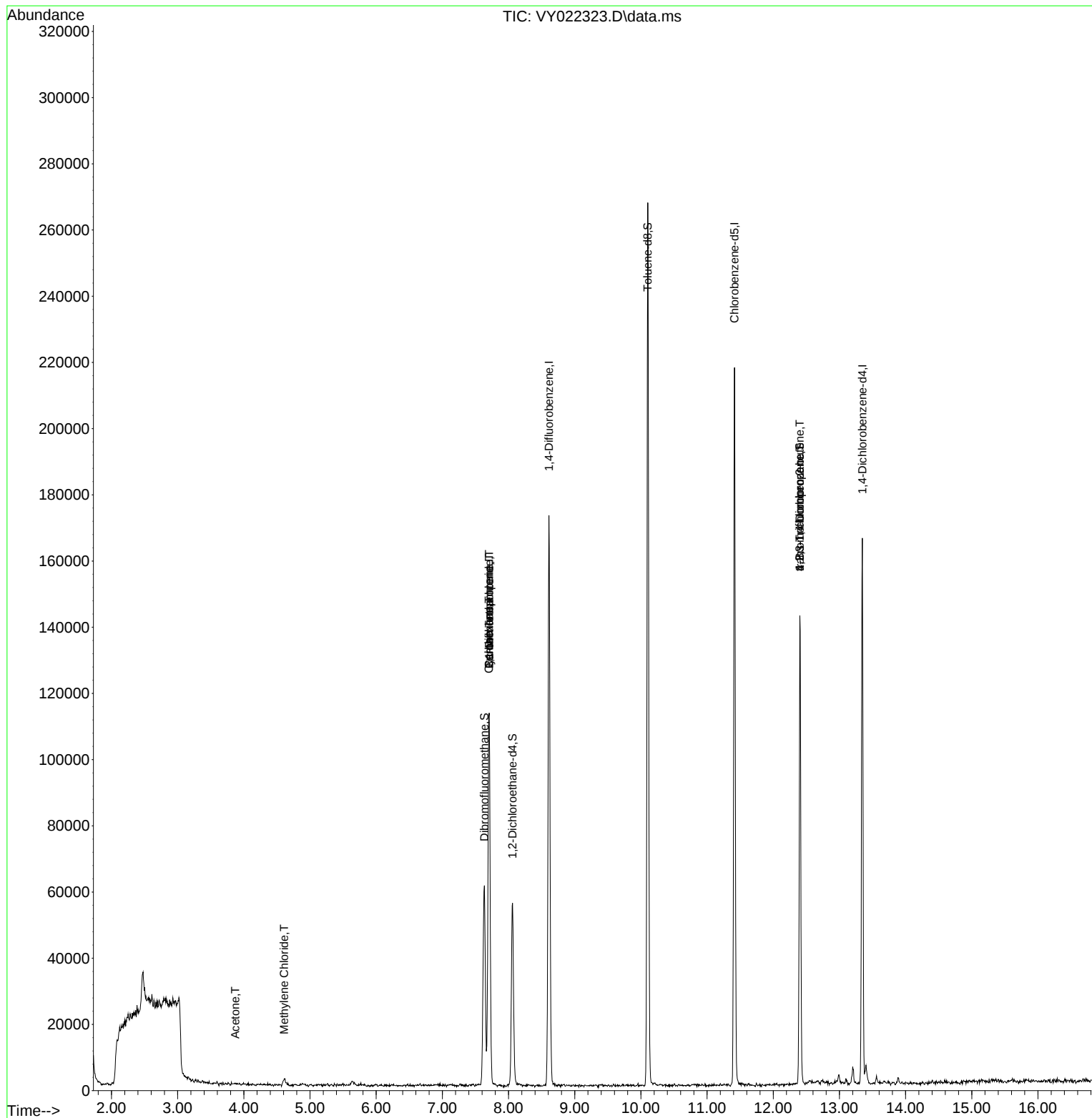
Internal Standards						
1) Pentafluorobenzene	7.707	168	85961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	142391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	105053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	42543	45.284	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.560%
35) Dibromofluoromethane	7.634	113	42185	49.637	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.103	98	165660	47.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.401	95	40098	36.345	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.680%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	955	5.421	ug/l #	81
20) Methylene Chloride	4.610	84	1177	1.034	ug/l #	58
31) Cyclohexane	7.701	56	2533	1.333	ug/l #	43
36) 1,1-Dichloropropene	7.707	75	7716	5.512	ug/l #	51
38) Carbon Tetrachloride	7.707	117	8872	6.123	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	23912	61.353	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	23912	124.287	ug/l #	12

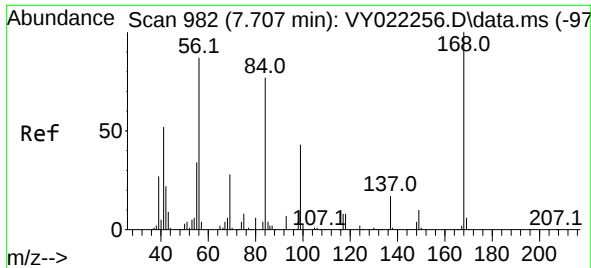
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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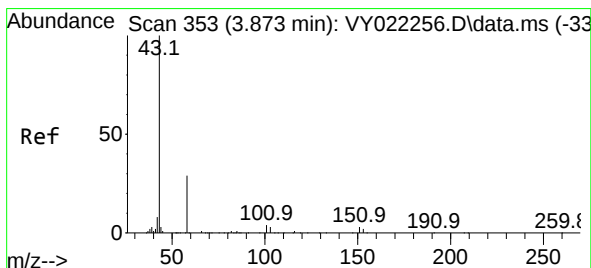
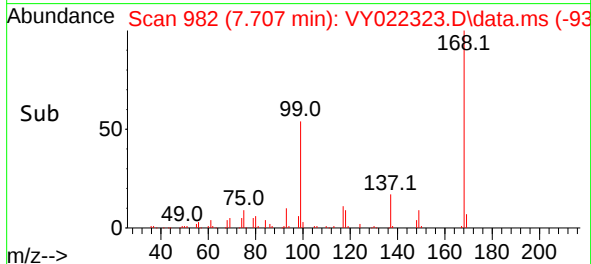
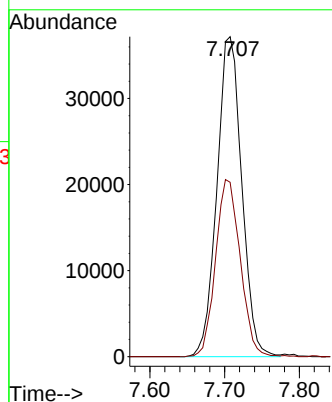
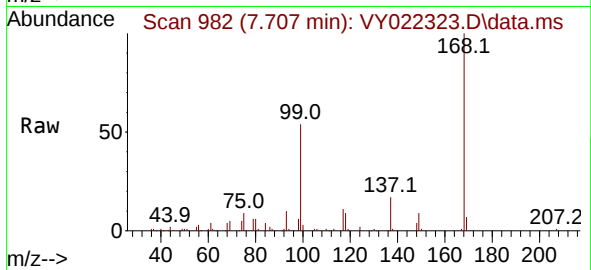




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

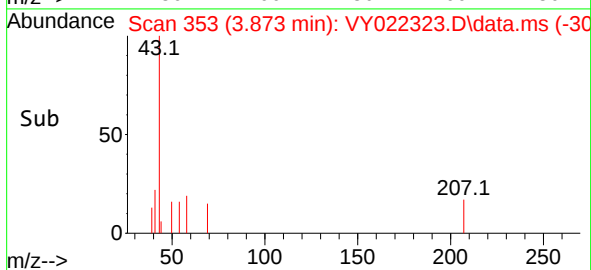
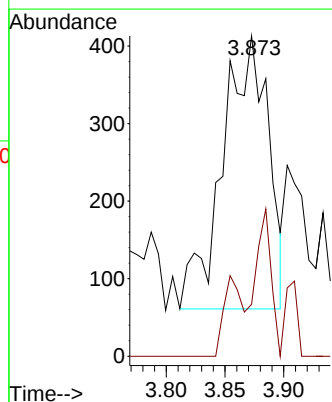
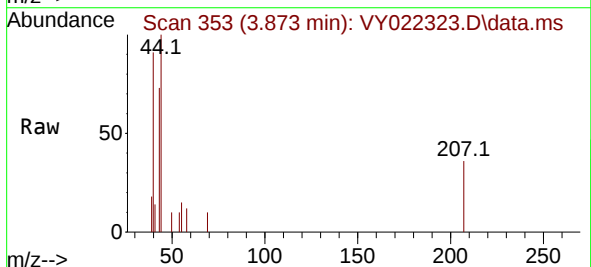
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

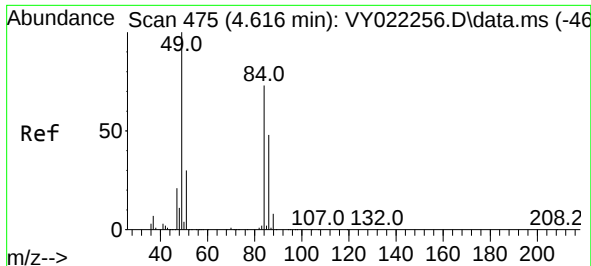
Tgt Ion:168 Resp: 85961
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#16
Acetone
Concen: 5.421 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
58 19.0 23.6 35.4#



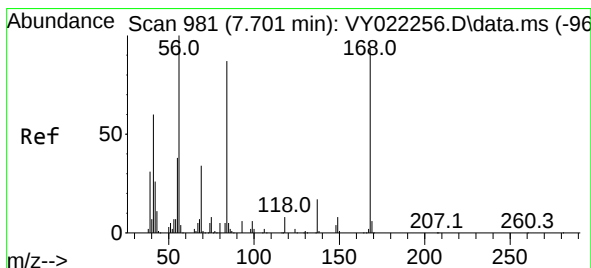
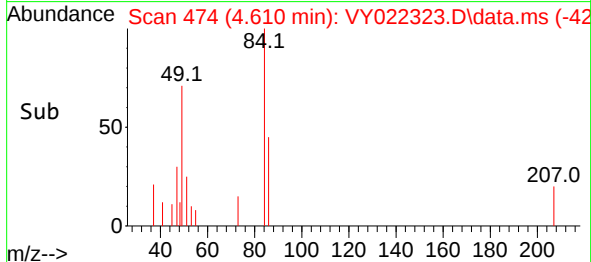
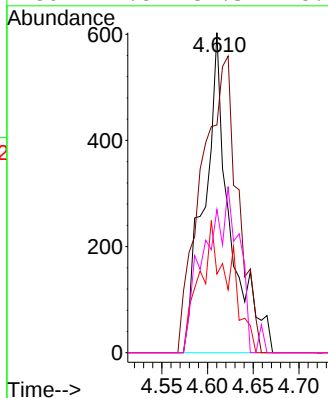
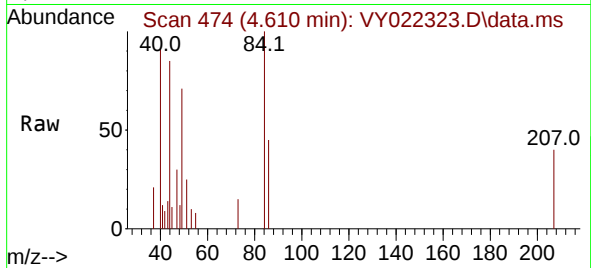


#20
Methylene Chloride
Concen: 1.034 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

Tgt Ion: 84 Resp: 1177

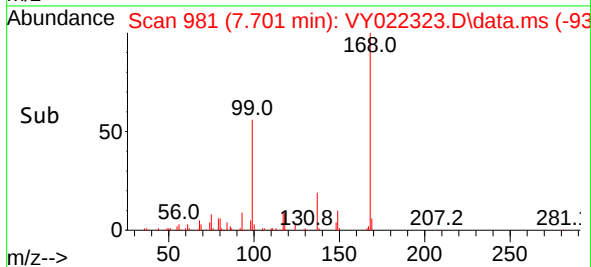
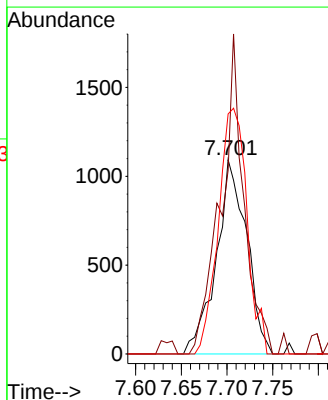
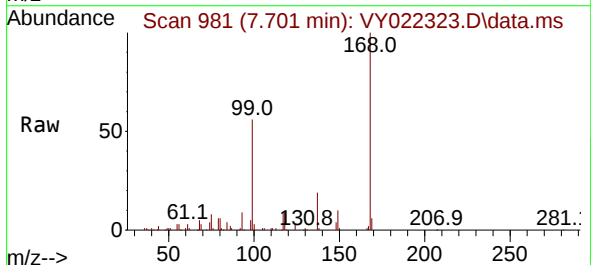
Ion	Ratio	Lower	Upper
84	100		
49	71.1	109.6	164.4#
51	24.5	32.4	48.6#
86	44.8	52.3	78.5#

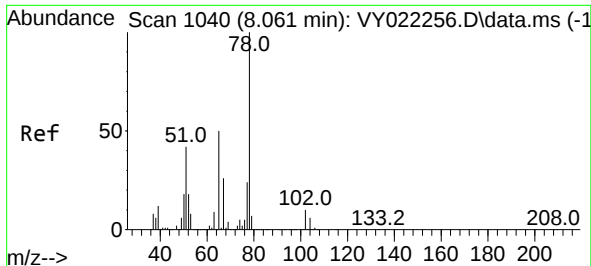


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 56 Resp: 2533

Ion	Ratio	Lower	Upper
56	100		
69	94.6	27.4	41.2#
84	123.6	70.0	105.0#

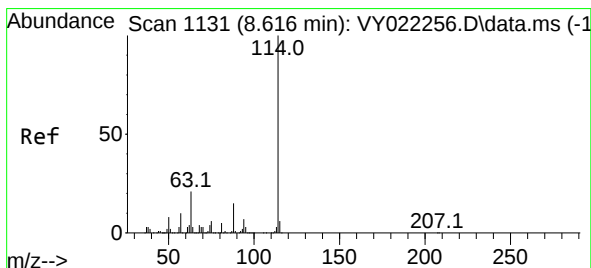
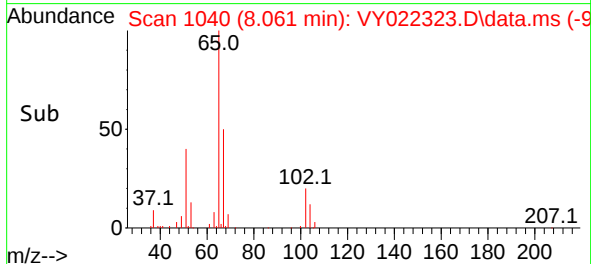
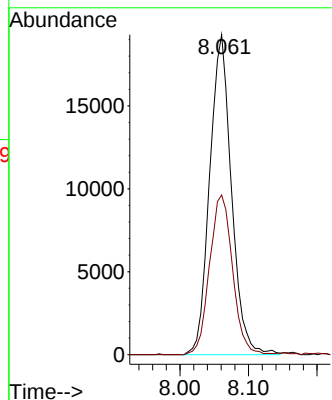
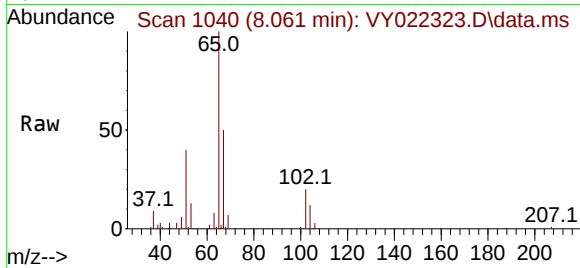




#33
 1,2-Dichloroethane-d4
 Concen: 45.284 ug/l
 RT: 8.061 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VY022323.D
 Acq: 19 May 2025 16:56

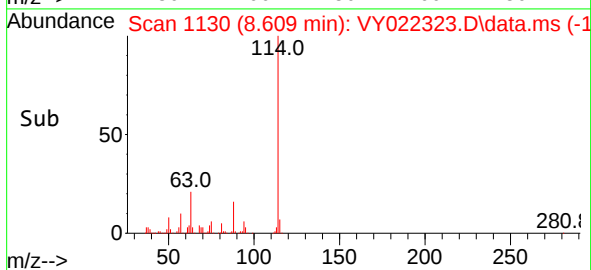
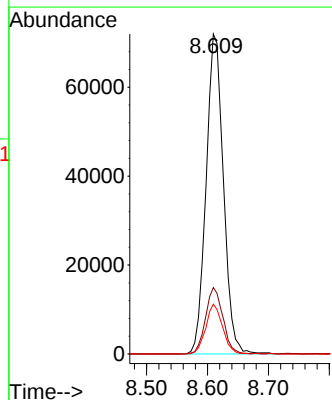
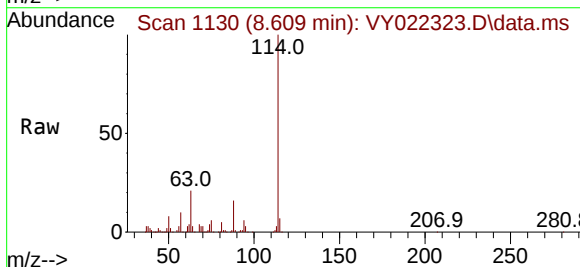
Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

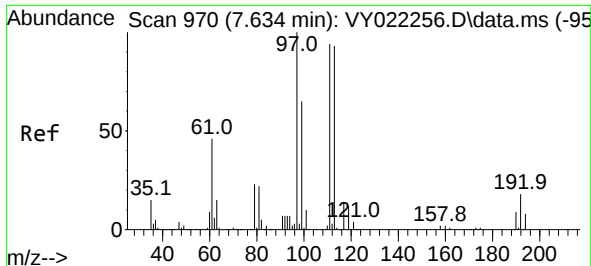
Tgt Ion: 65 Resp: 42543
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022323.D
 Acq: 19 May 2025 16:56

Tgt Ion:114 Resp: 142391
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.0
 88 15.6 0.0 29.4

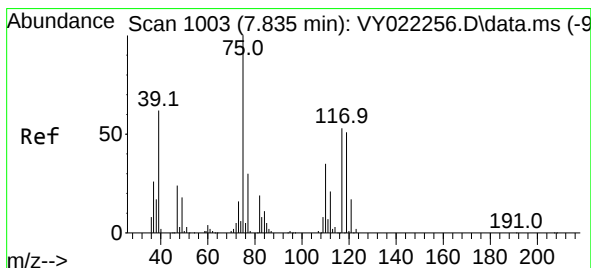
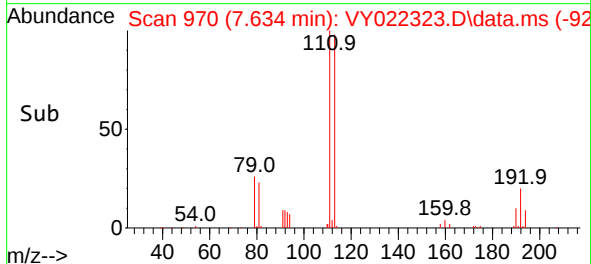
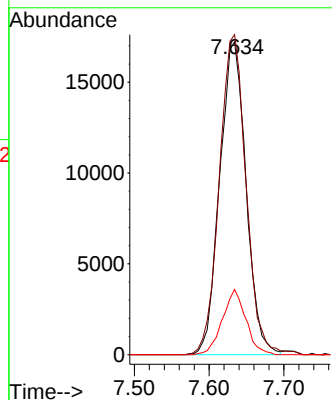
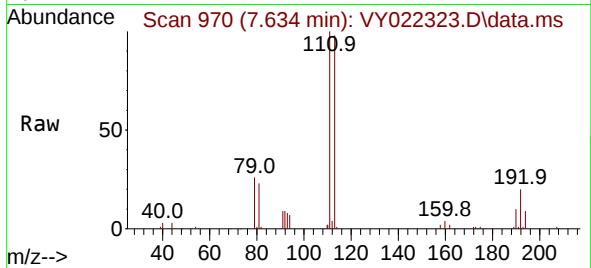




#35
Dibromofluoromethane
Concen: 49.637 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

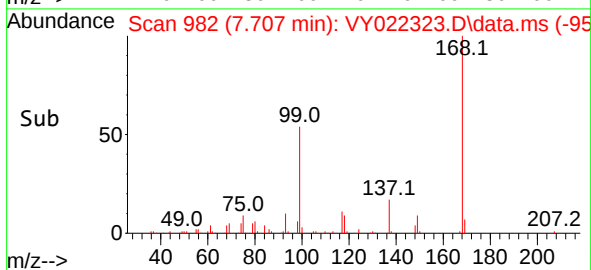
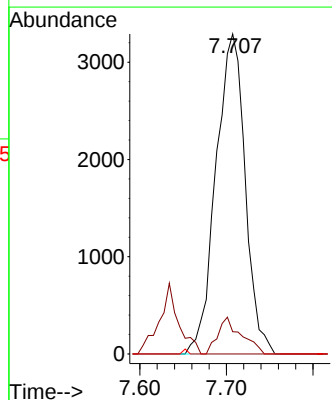
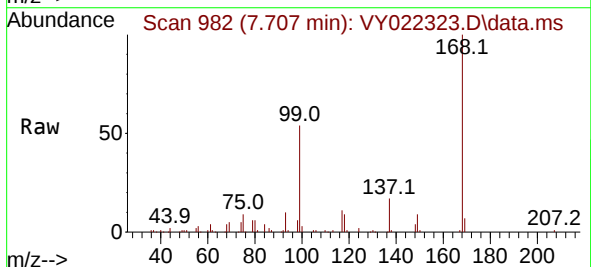
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

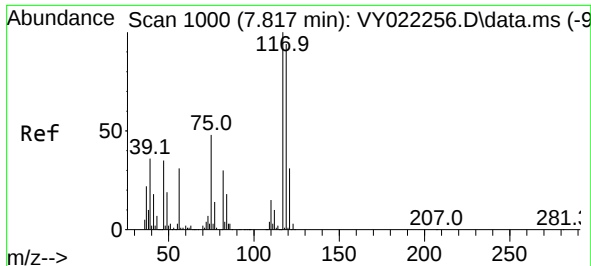
Tgt Ion:113 Resp: 42185
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.512 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 75 Resp: 7716
Ion Ratio Lower Upper
75 100
110 9.1 16.6 49.8#
77 0.0 24.6 37.0#

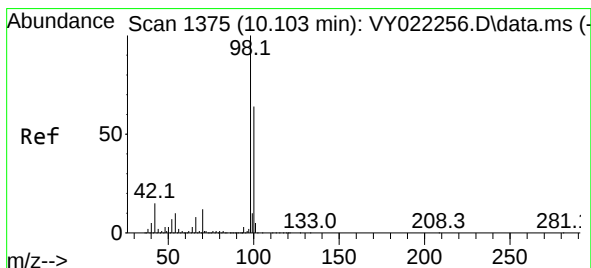
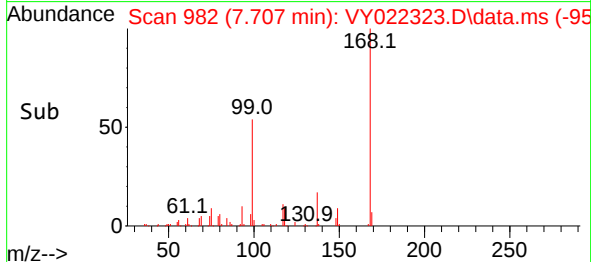
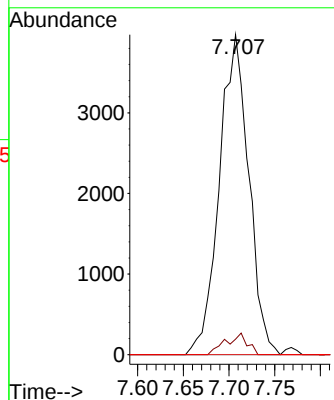
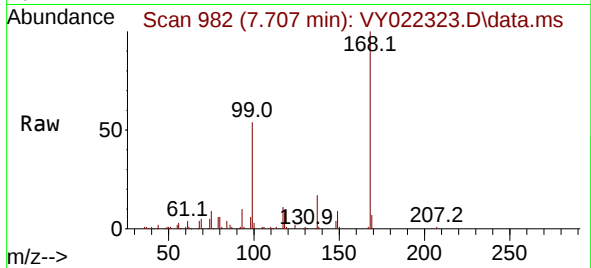




#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

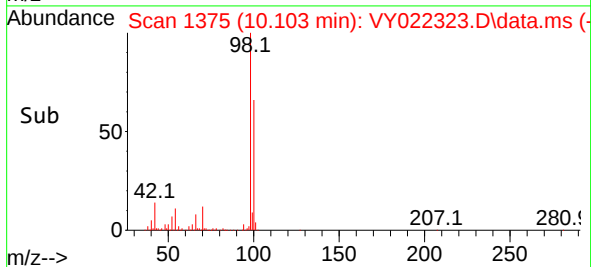
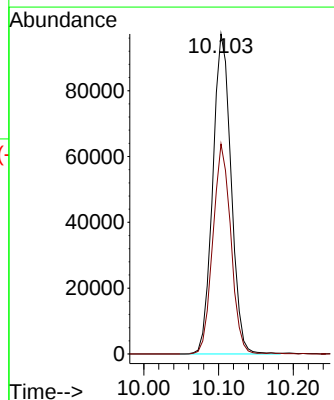
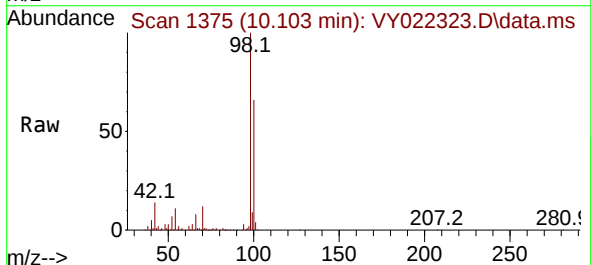
Instrument :
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ClientSampleId :
L1-WC-9-VOC

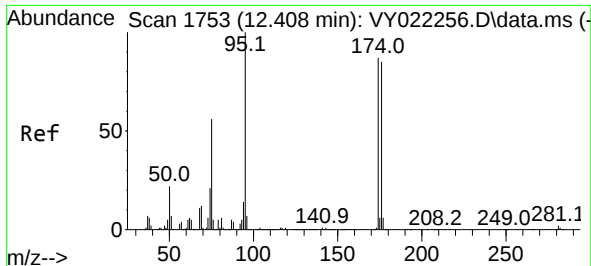
Tgt Ion:117 Resp: 8872
Ion Ratio Lower Upper
117 100
119 4.9 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.594 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 98 Resp: 165660
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8

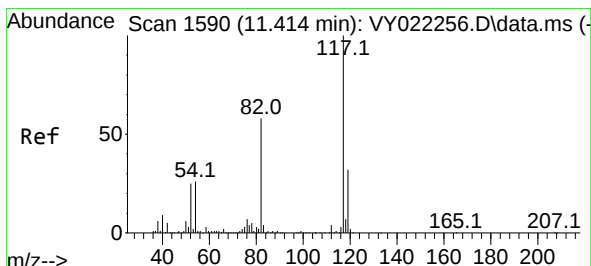
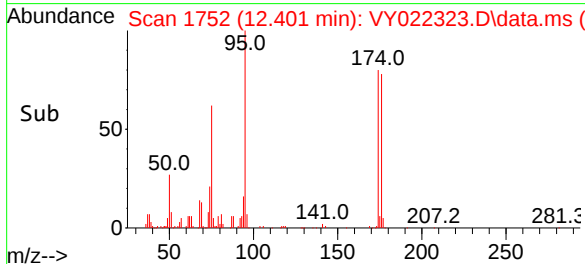
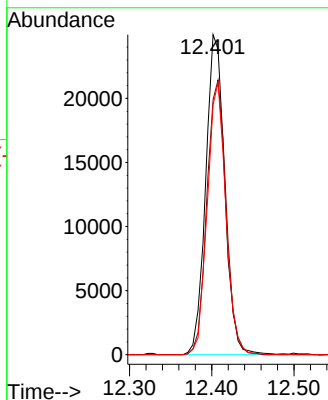
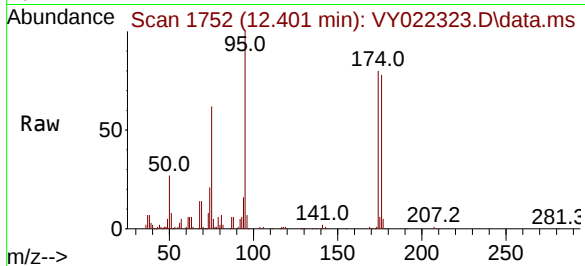




#62
4-Bromofluorobenzene
Concen: 36.345 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

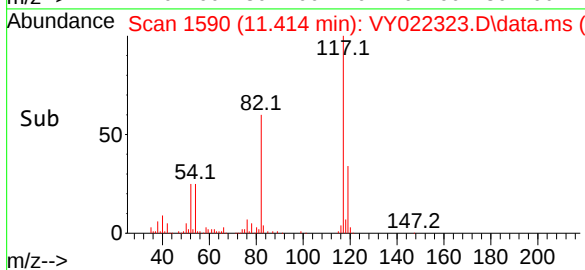
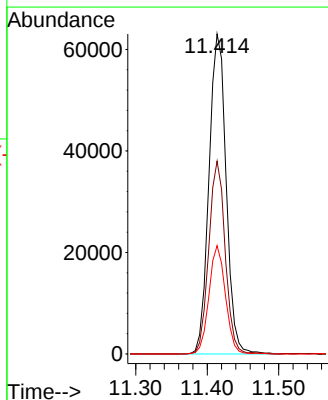
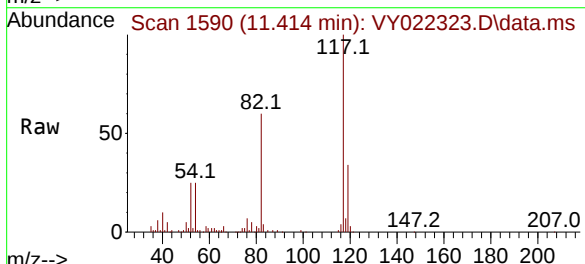
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L1-WC-9-VOC

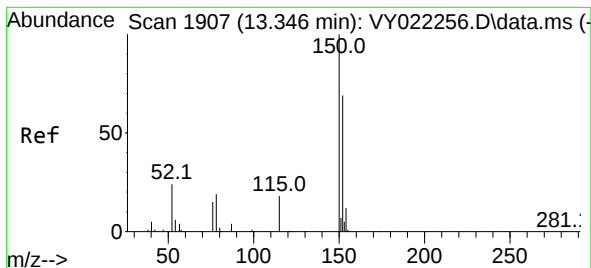
Tgt Ion: 95 Resp: 40098
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 82.8 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022323.D
Acq: 19 May 2025 16:56

Tgt Ion: 117 Resp: 105053
Ion Ratio Lower Upper
117 100
82 60.2 46.6 70.0
119 33.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022323.D

Acq: 19 May 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-9-VOC

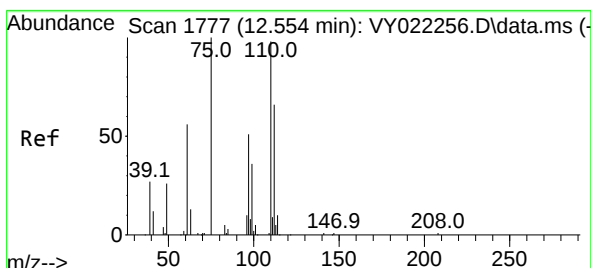
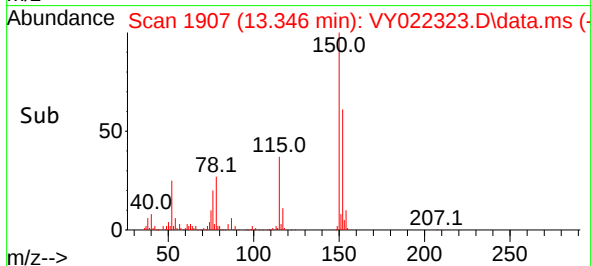
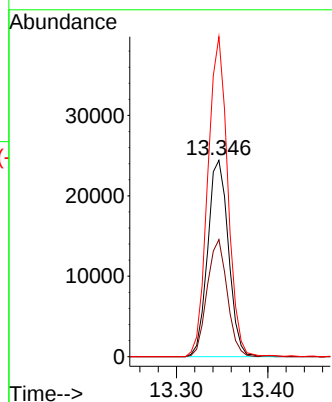
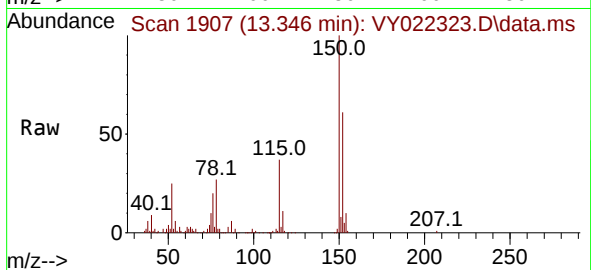
Tgt Ion:152 Resp: 38470

Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 156.5 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 61.353 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022323.D

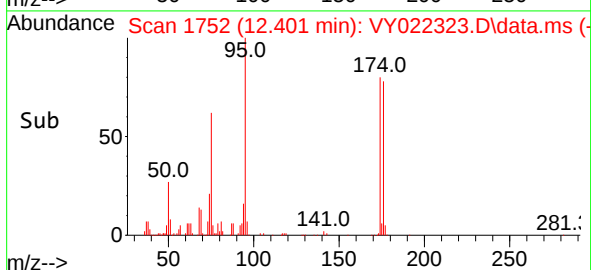
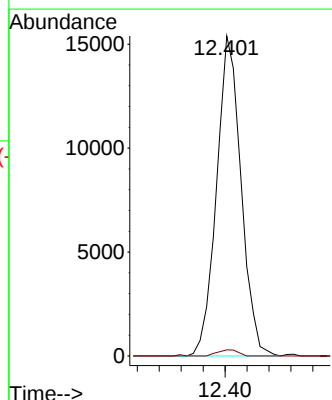
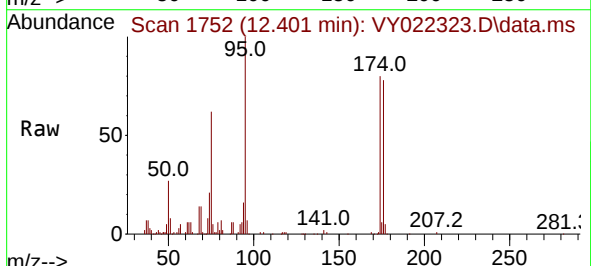
Acq: 19 May 2025 16:56

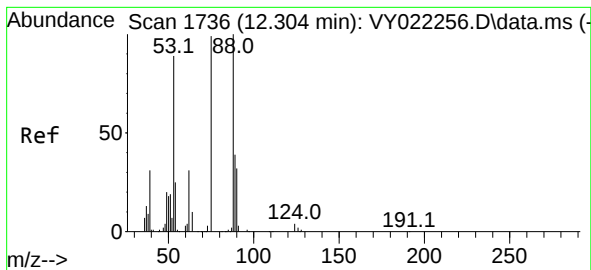
Tgt Ion: 75 Resp: 23912

Ion Ratio Lower Upper

75 100

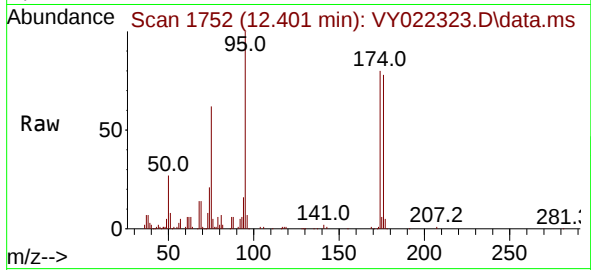
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.287 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022323.D
 Acq: 19 May 2025 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC



Tgt Ion: 75 Resp: 23912
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.8 113.8#
 89 0.0 36.2 54.2#

