

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023027.D
 Acq On : 21 Jul 2025 15:23
 Operator : SY/MD
 Sample : Q2649-15
 Misc : 4.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

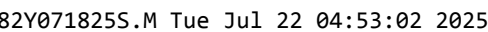
Quant Time: Jul 22 04:52:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

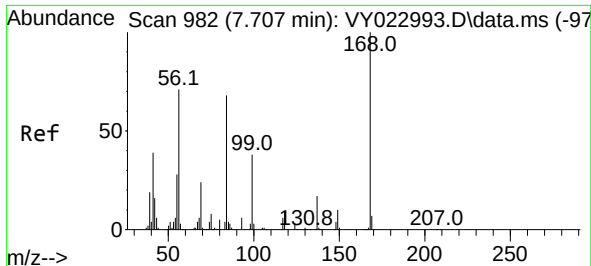
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	281000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	541720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	254543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175460	61.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.360%	
35) Dibromofluoromethane	7.634	113	178391	51.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.820%	
50) Toluene-d8	10.103	98	674787	49.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.040%	
62) 4-Bromofluorobenzene	12.401	95	247311	57.653	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.300%	
Target Compounds						Qvalue
16) Acetone	3.872	43	2080	4.034	ug/l #	74
20) Methylene Chloride	4.610	84	23812	Below Cal		95
31) Cyclohexane	7.707	56	6886	1.216	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	23696	4.378	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28504	4.847	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3388	1.672	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	136455	43.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	136455	128.137	ug/l #	12

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

Quant Time: Jul 22 04:52:47 2025
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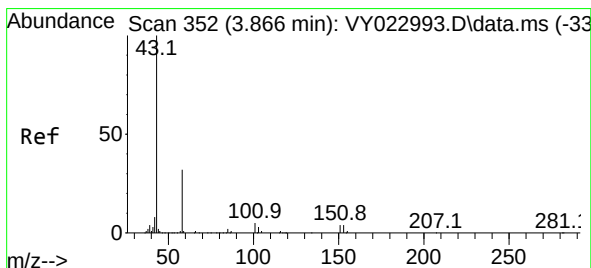
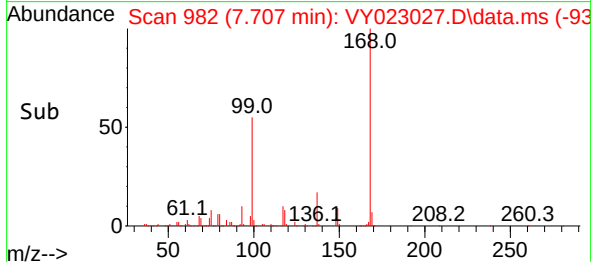
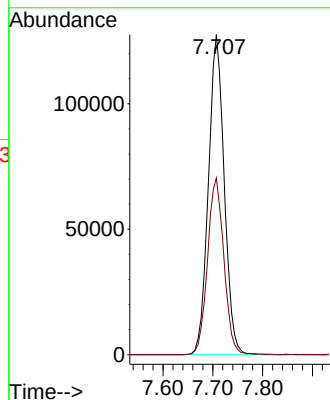
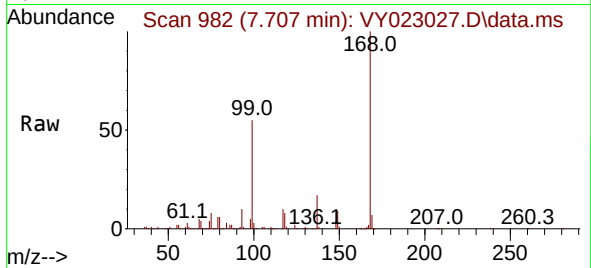




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

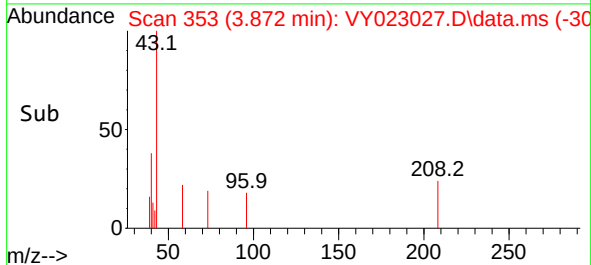
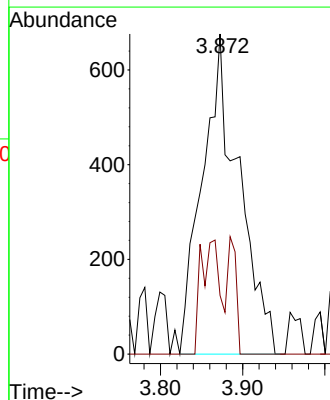
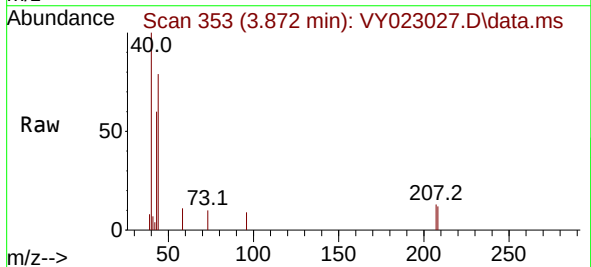
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

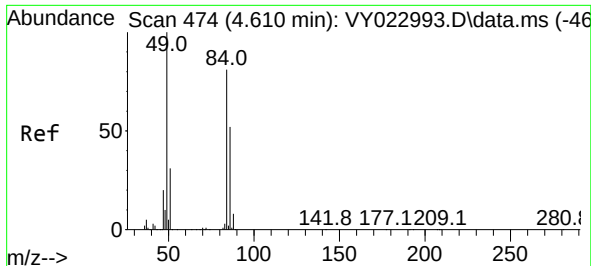
Tgt Ion:168 Resp: 281000
Ion Ratio Lower Upper
168 100
99 55.3 44.4 66.6



#16
Acetone
Concen: 4.034 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
58 18.3 26.2 39.4#



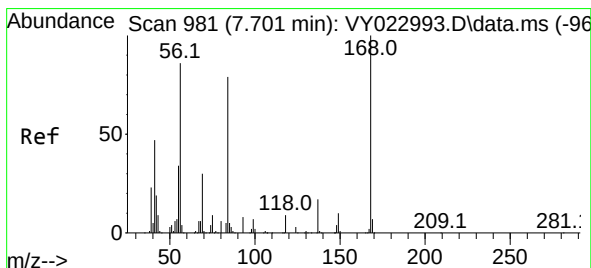
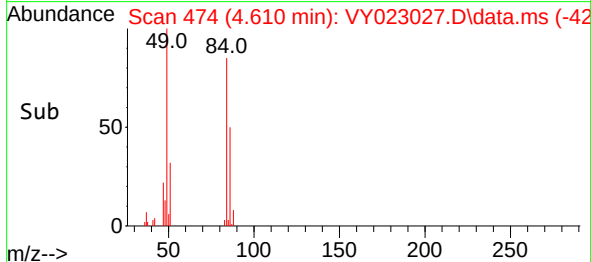
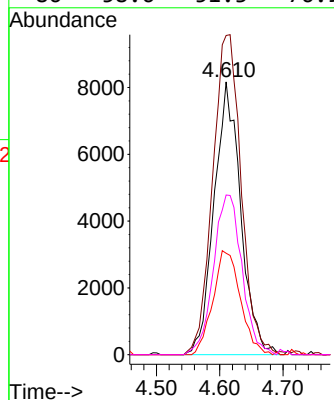
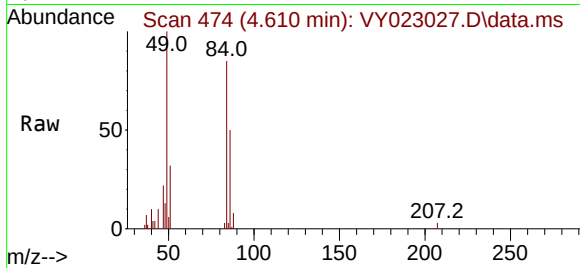


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion: 84 Resp: 23812

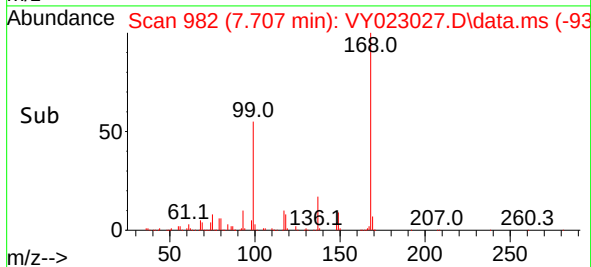
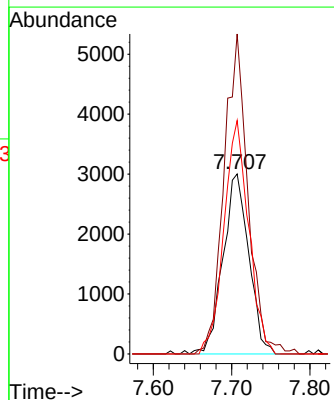
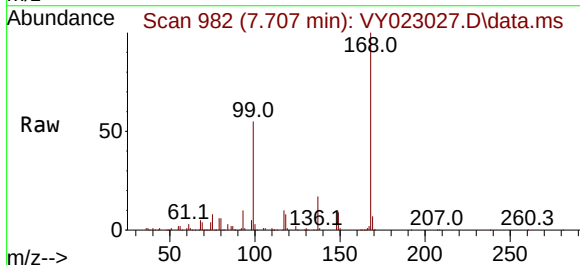
Ion	Ratio	Lower	Upper
84	100		
49	117.0	98.2	147.4
51	37.2	30.5	45.7
86	58.6	51.3	76.9

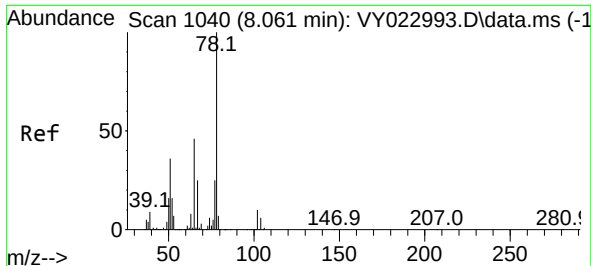


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 56 Resp: 6886

Ion	Ratio	Lower	Upper
56	100		
69	177.8	28.1	42.1#
84	129.7	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 61.681 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023027.D

Acq: 21 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

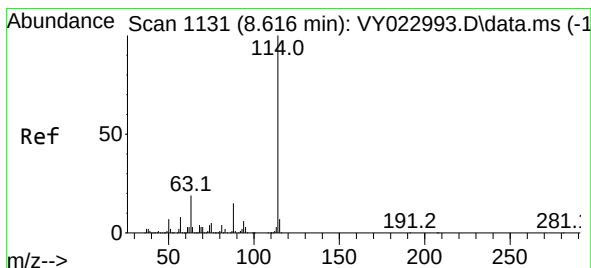
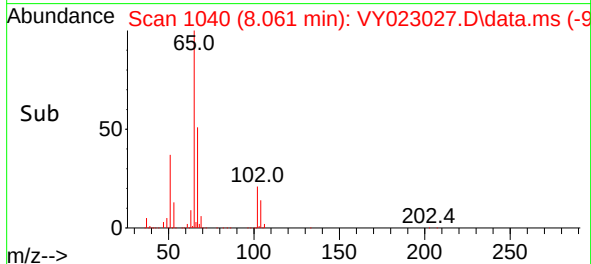
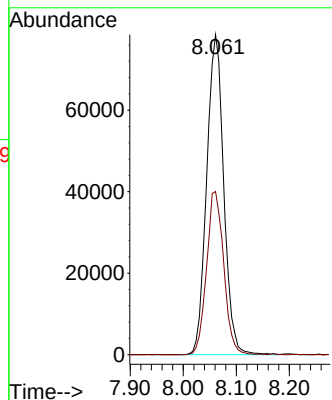
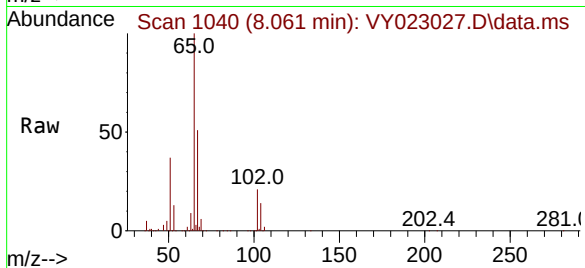
WC-4-VOC

Tgt Ion: 65 Resp: 175460

Ion Ratio Lower Upper

65 100

67 51.3 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: VY023027.D

Acq: 21 Jul 2025 15:23

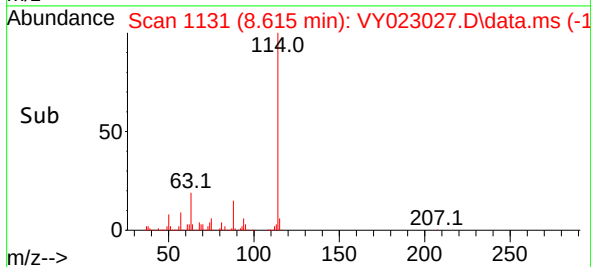
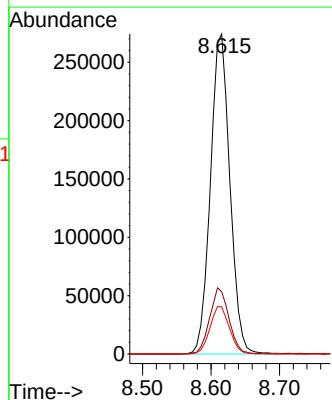
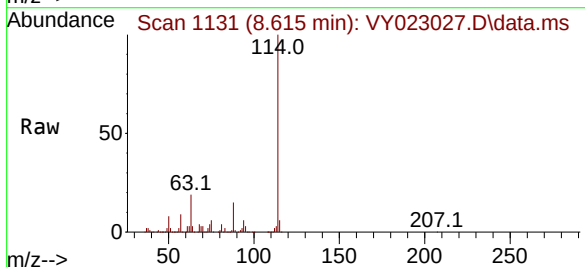
Tgt Ion: 114 Resp: 541720

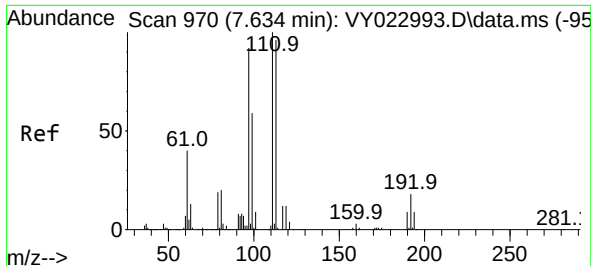
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 14.7 0.0 30.2

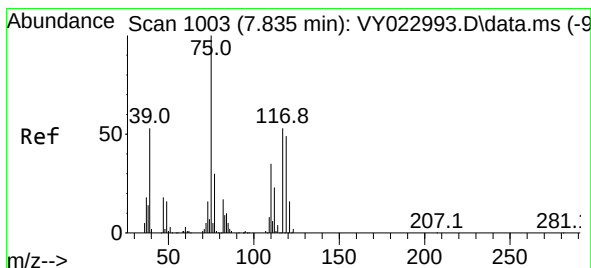
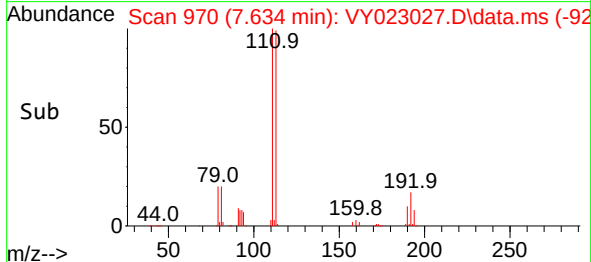
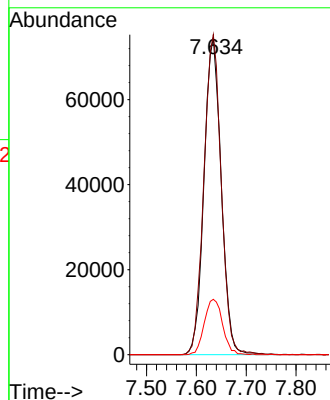
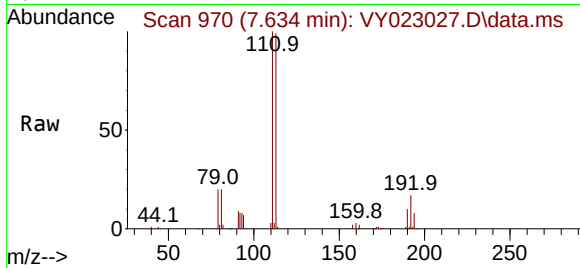




#35
Dibromofluoromethane
Concen: 51.913 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

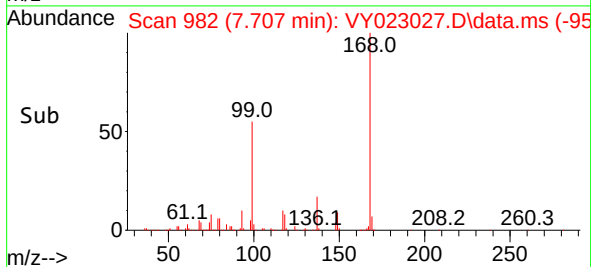
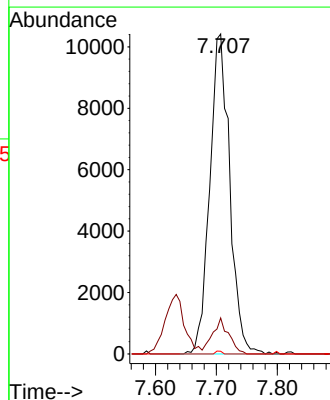
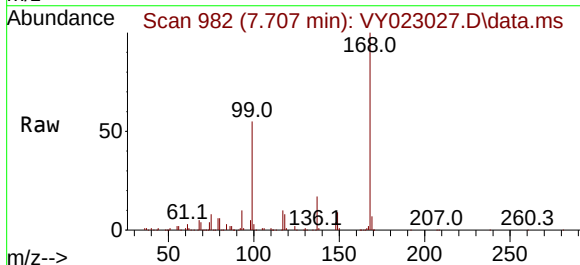
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

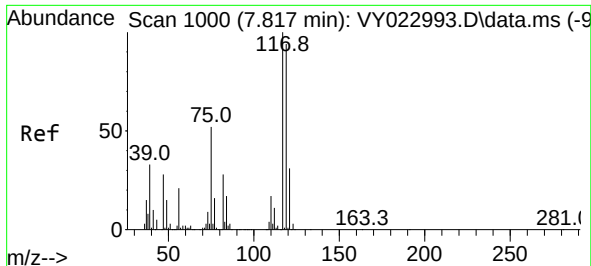
Tgt Ion:113 Resp: 178391
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.6 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.378 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 75 Resp: 23696
Ion Ratio Lower Upper
75 100
110 9.1 17.3 51.9#
77 0.3 24.6 37.0#

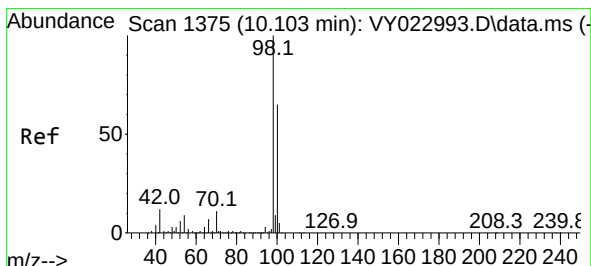
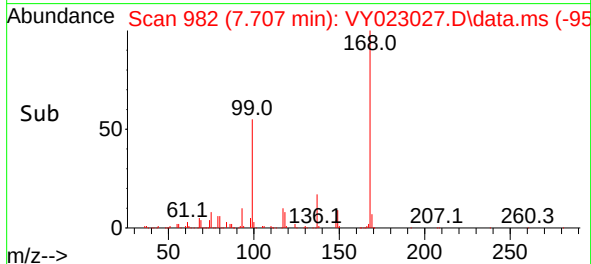
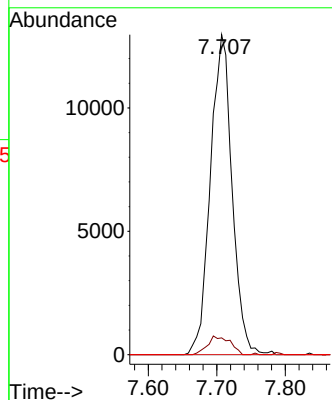
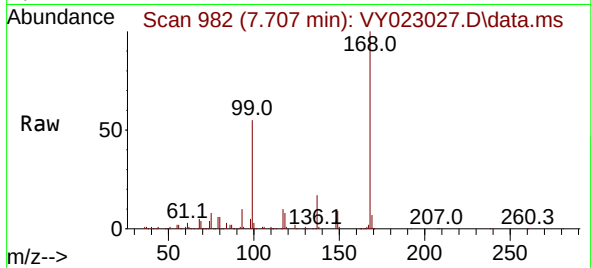




#38
Carbon Tetrachloride
Concen: 4.847 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

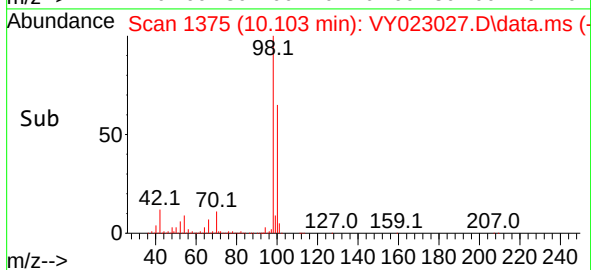
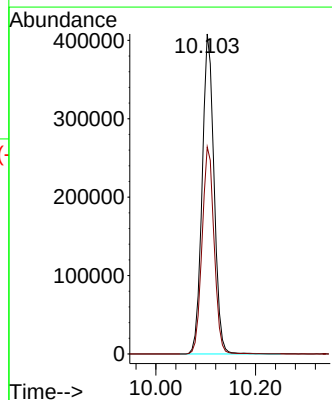
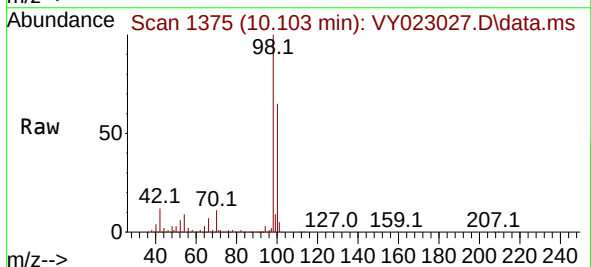
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

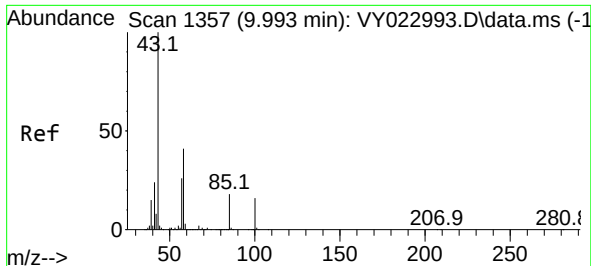
Tgt Ion:117 Resp: 28504
Ion Ratio Lower Upper
117 100
119 5.3 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023027.D
Acq: 21 Jul 2025 15:23

Tgt Ion: 98 Resp: 674787
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.672 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY023027.D

Acq: 21 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

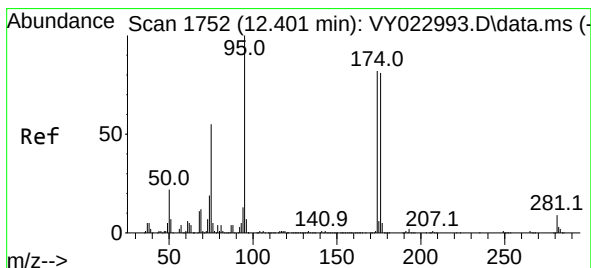
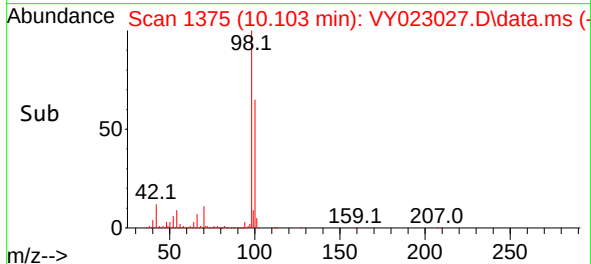
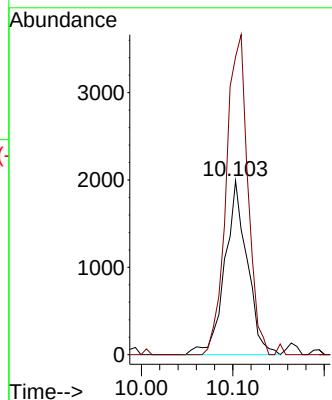
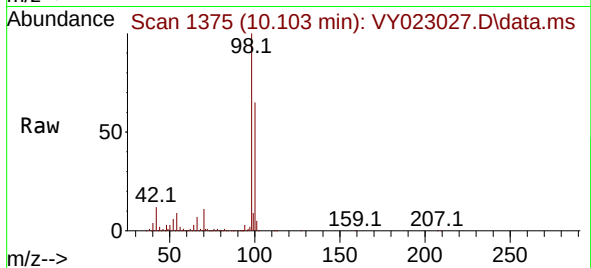
WC-4-VOC

Tgt Ion: 43 Resp: 3388

Ion Ratio Lower Upper

43 100

58 177.6 32.5 48.7#



#62

4-Bromofluorobenzene

Concen: 57.653 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023027.D

Acq: 21 Jul 2025 15:23

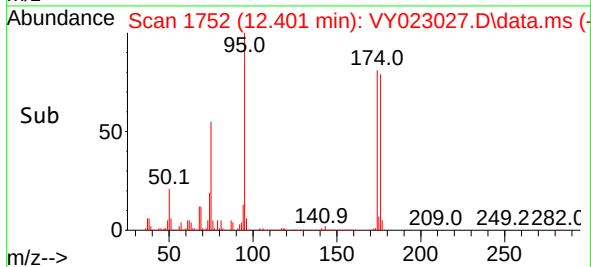
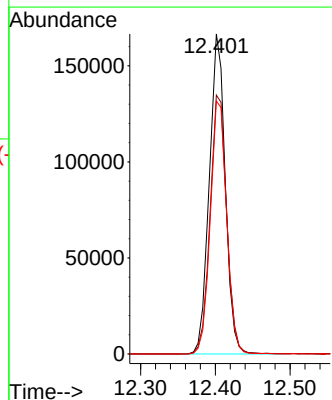
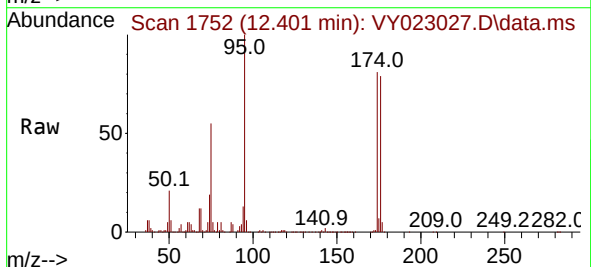
Tgt Ion: 95 Resp: 247311

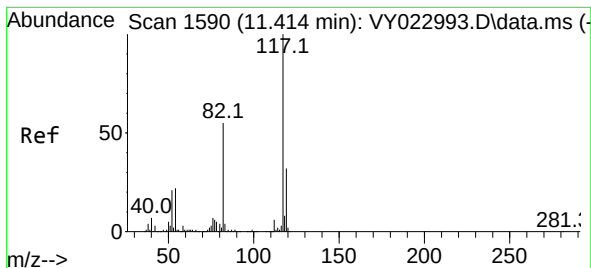
Ion Ratio Lower Upper

95 100

174 84.4 0.0 170.8

176 81.1 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023027.D

Acq: 21 Jul 2025 15:23

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

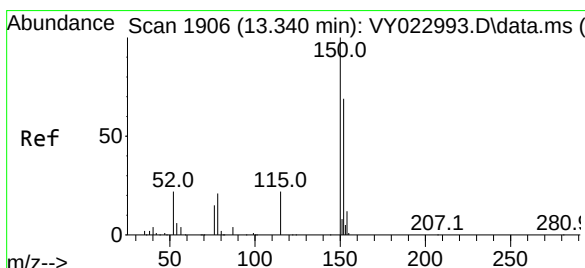
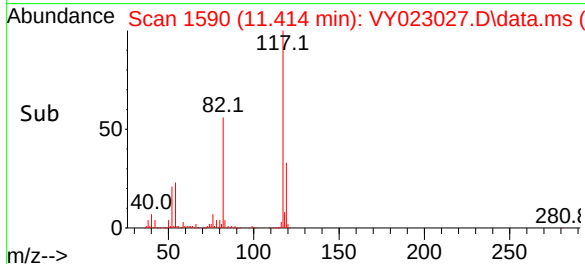
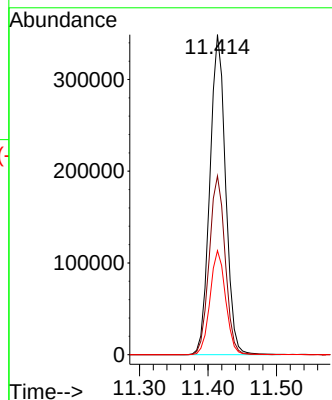
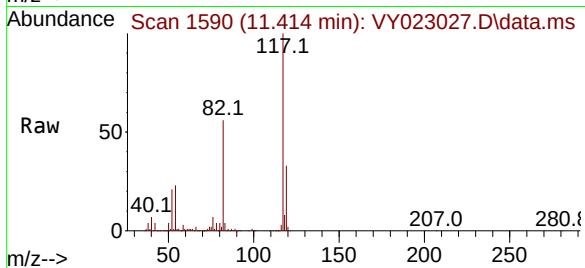
Tgt Ion:117 Resp: 556509

Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023027.D

Acq: 21 Jul 2025 15:23

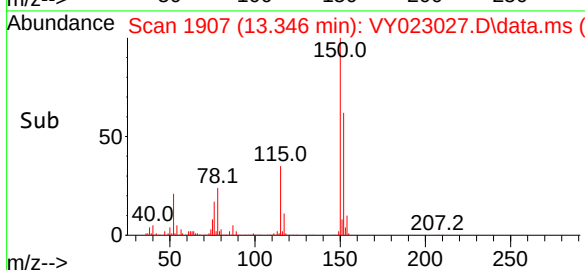
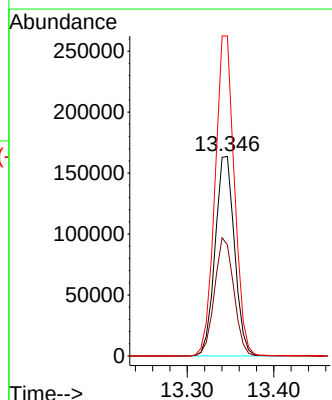
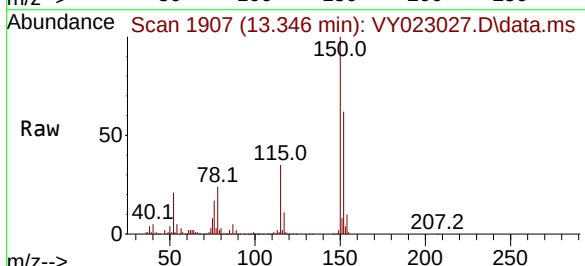
Tgt Ion:152 Resp: 254543

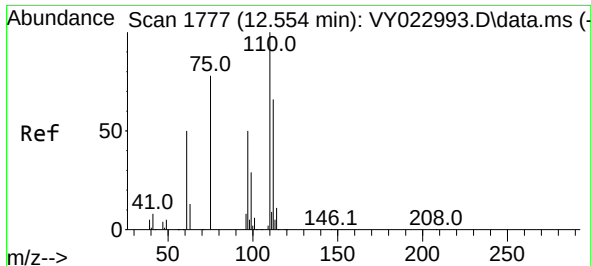
Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.2

150 160.3 0.0 350.0

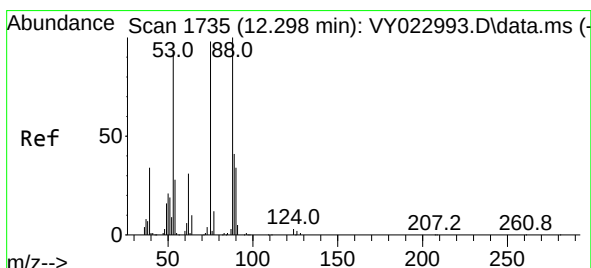
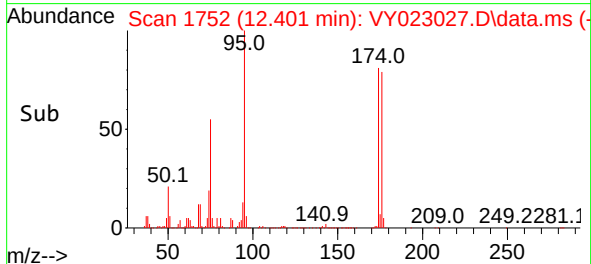
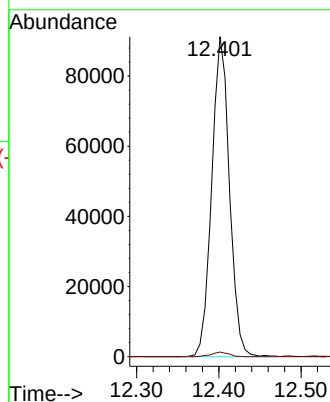
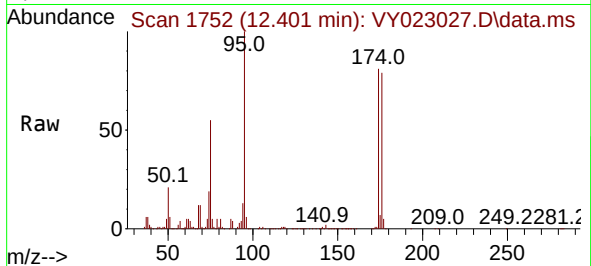




#76
 1,2,3-Trichloropropane
 Concen: 43.021 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023027.D
 Acq: 21 Jul 2025 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Tgt Ion: 75 Resp: 136455
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.137 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023027.D
 Acq: 21 Jul 2025 15:23

Tgt Ion: 75 Resp: 136455
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.1 54.1#

