

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023026.D
 Acq On : 21 Jul 2025 15:00
 Operator : SY/MD
 Sample : Q2649-11
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Jul 22 04:52:24 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)

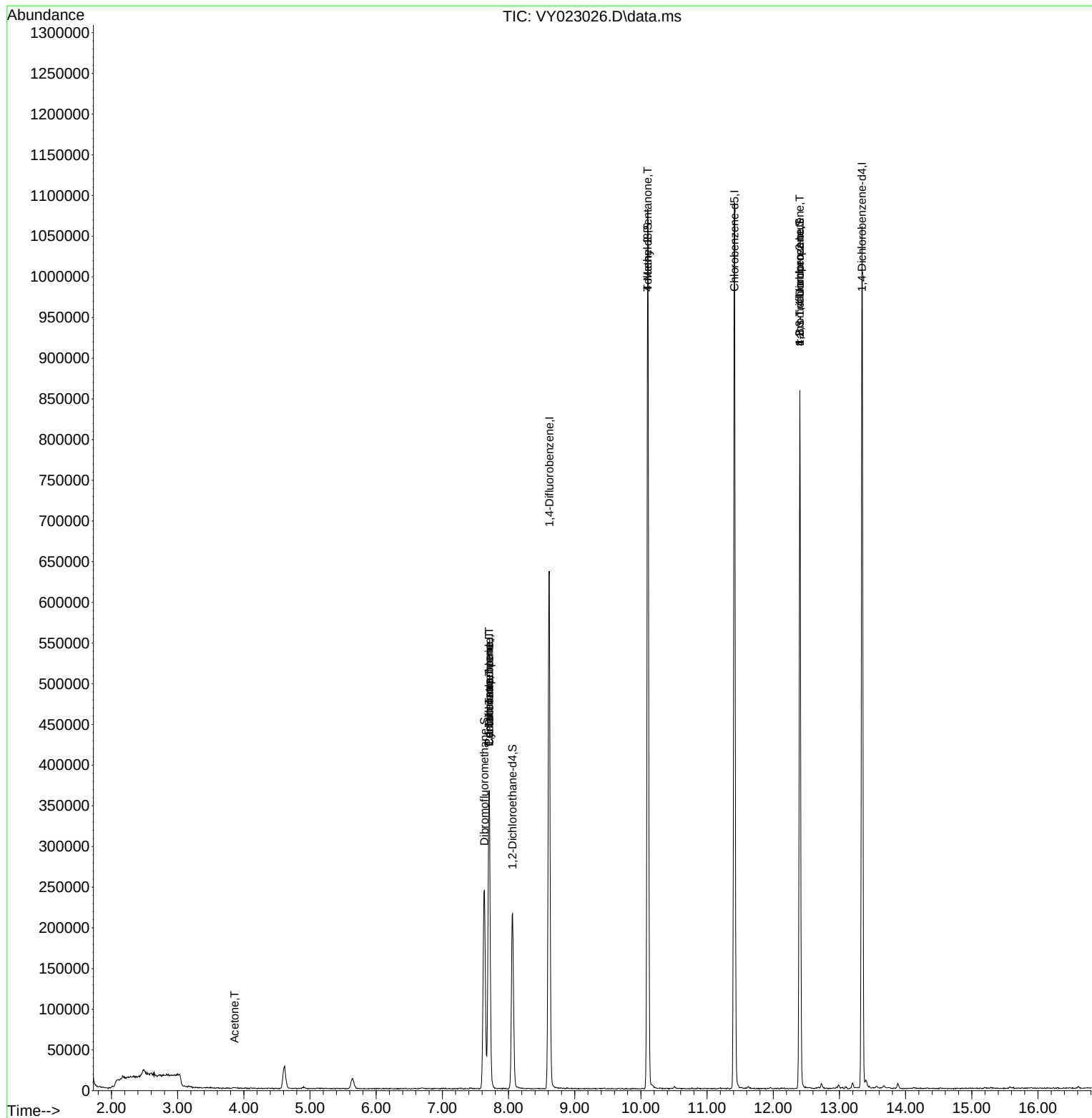
Internal Standards						
1) Pentafluorobenzene	7.707	168	276535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	541908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	550986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	258431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173582	62.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.634	113	175426	51.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.060%	
50) Toluene-d8	10.103	98	680118	49.892	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.780%	
62) 4-Bromofluorobenzene	12.402	95	247673	57.718	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.440%	
Target Compounds						Qvalue
16) Acetone	3.860	43	927	1.827	ug/l	90
20) Methylene Chloride	4.616	84	18800	Below Cal		96
31) Cyclohexane	7.707	56	6889	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23622	4.363	ug/l #	49
38) Carbon Tetrachloride	7.707	117	29952	5.092	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	3524	1.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	134363	41.724	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	134363	124.274	ug/l #	12

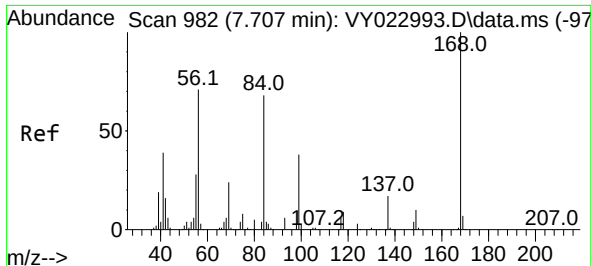
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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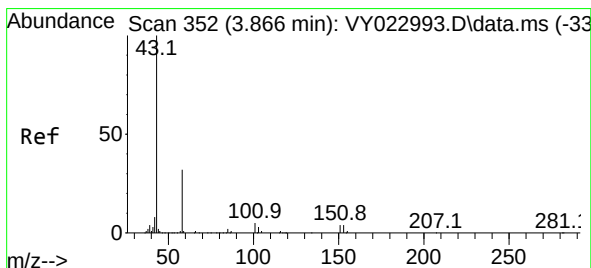
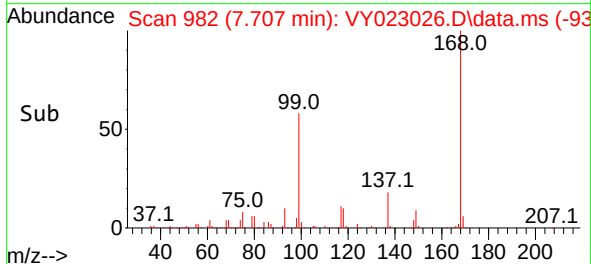
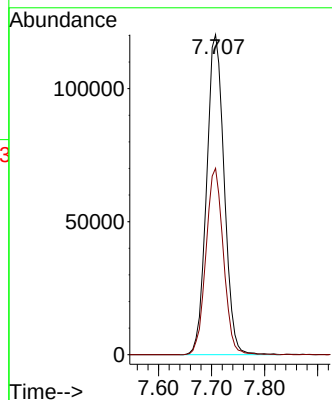
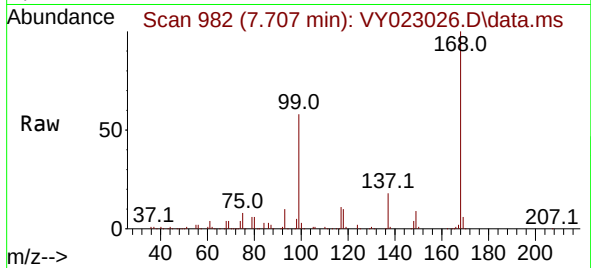




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

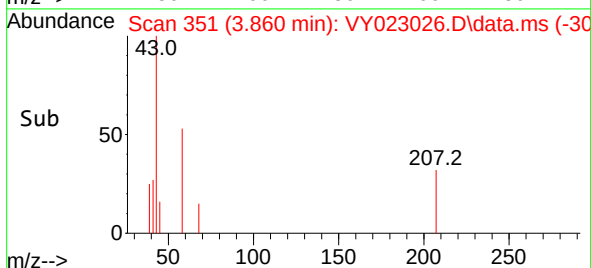
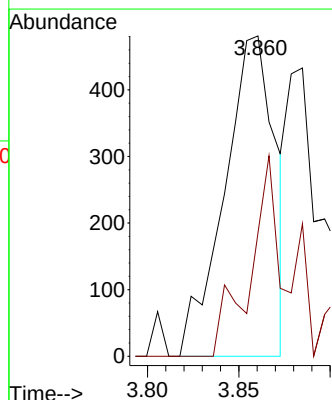
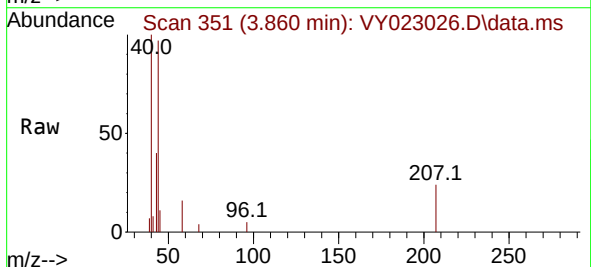
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

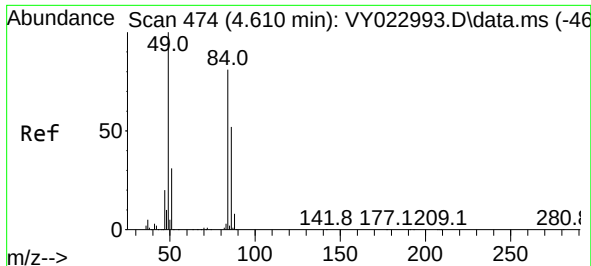
Tgt Ion:168 Resp: 276535
Ion Ratio Lower Upper
168 100
99 58.2 44.4 66.6



#16
Acetone
Concen: 1.827 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 38.5 26.2 39.4

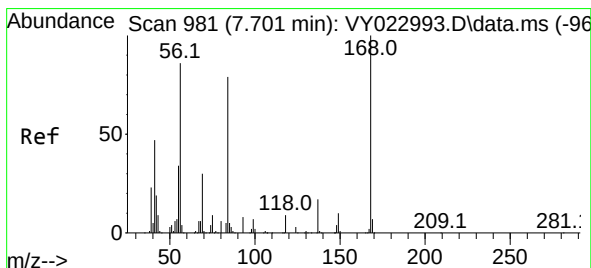
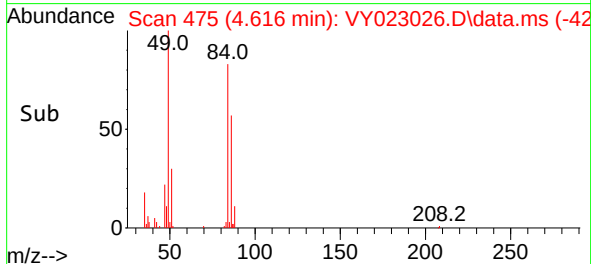
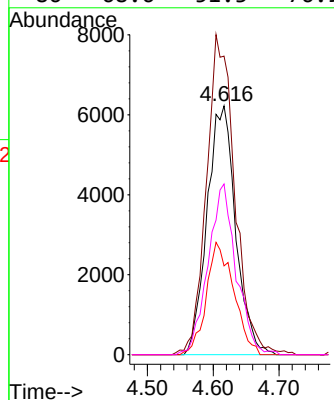
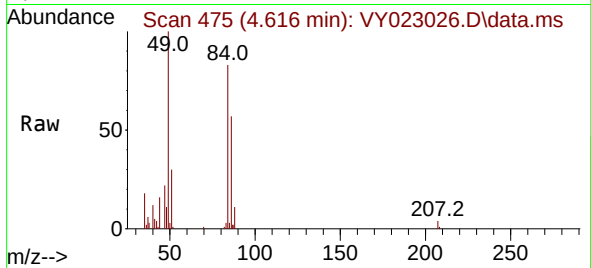




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

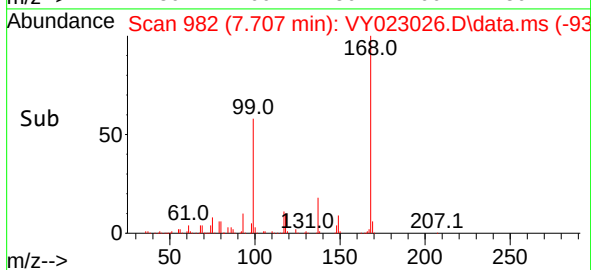
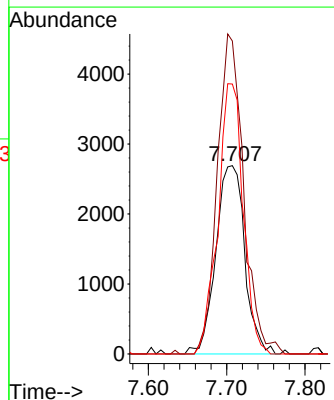
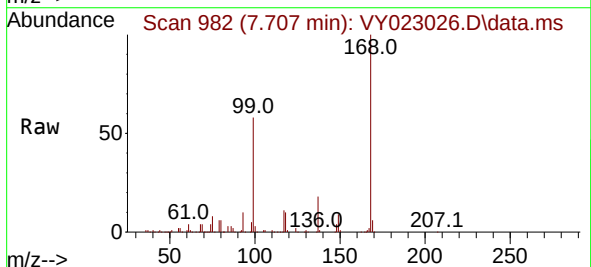
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

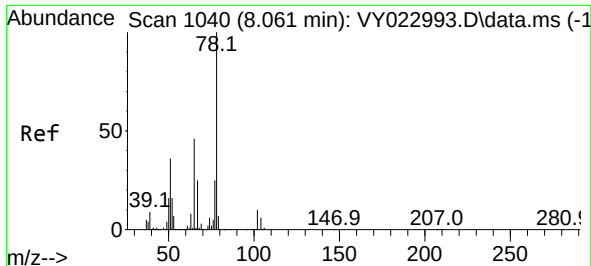
Tgt Ion:	84	Resp:	18800
Ion	Ratio	Lower	Upper
84	100		
49	118.8	98.2	147.4
51	35.7	30.5	45.7
86	68.6	51.3	76.9



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Tgt Ion:	56	Resp:	6889
Ion	Ratio	Lower	Upper
56	100		
69	166.1	28.1	42.1#
84	143.3	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 62.006 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

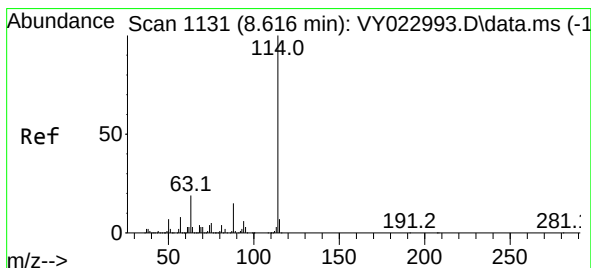
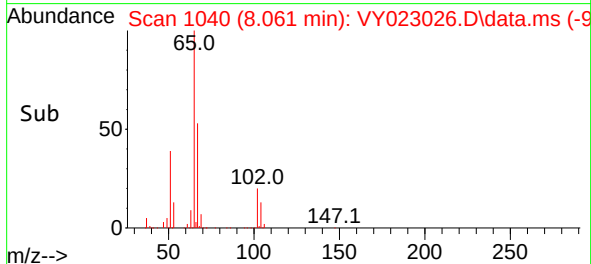
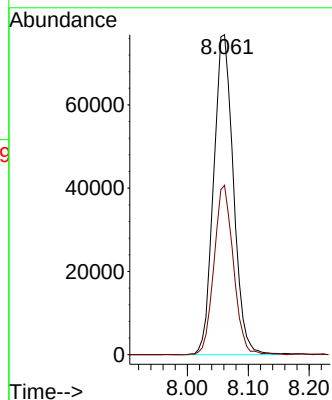
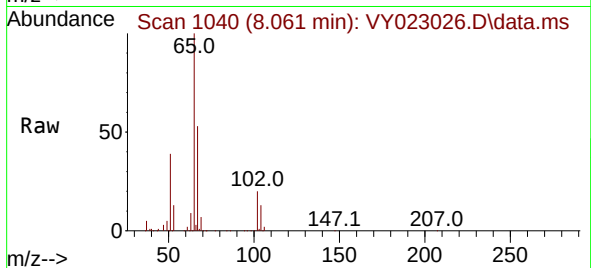
WC-3-VOC

Tgt Ion: 65 Resp: 173582

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

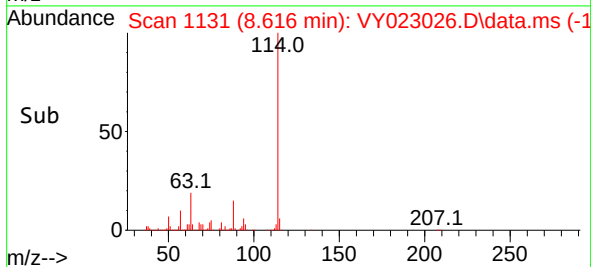
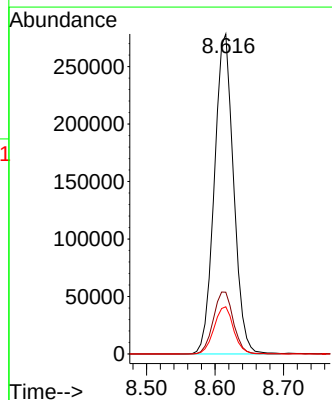
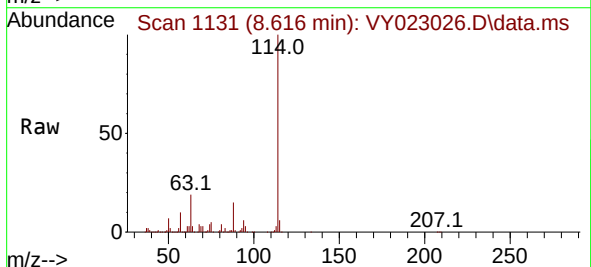
Tgt Ion: 114 Resp: 541908

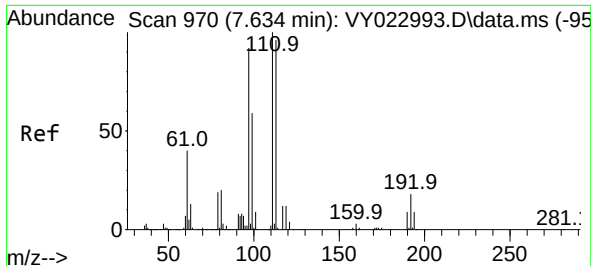
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 14.7 0.0 30.2

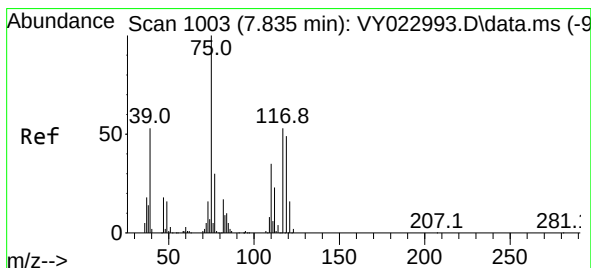
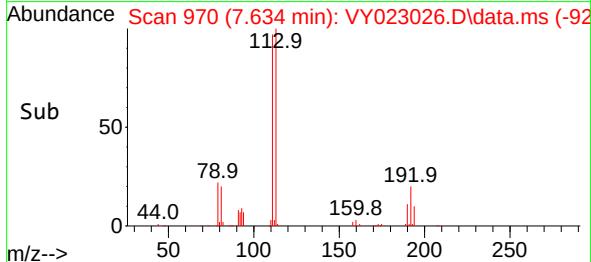
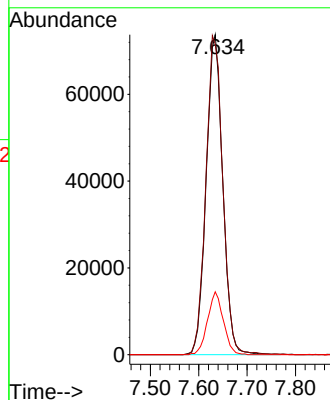
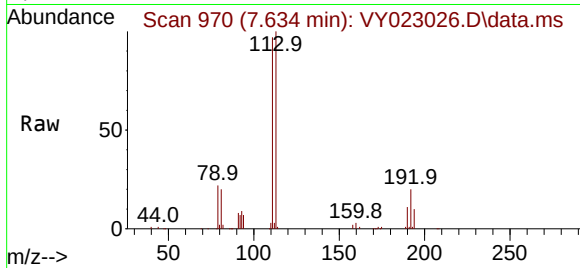




#35
Dibromofluoromethane
Concen: 51.033 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

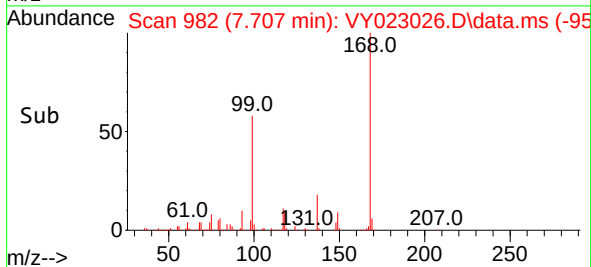
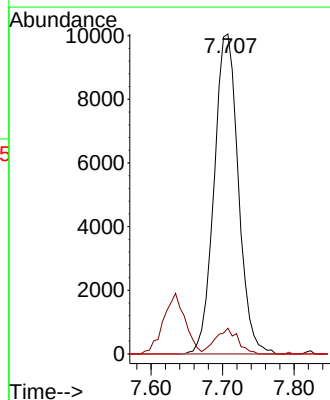
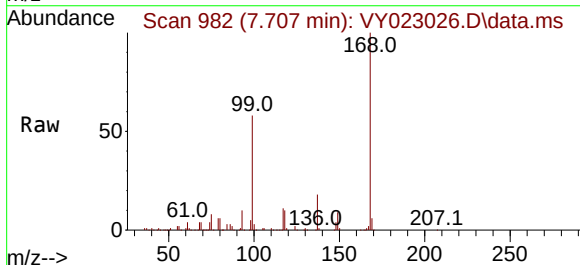
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

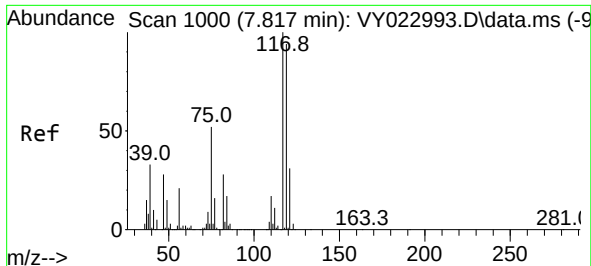
Tgt Ion:113 Resp: 175426
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.8 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 75 Resp: 23622
Ion Ratio Lower Upper
75 100
110 7.5 17.3 51.9#
77 0.0 24.6 37.0#

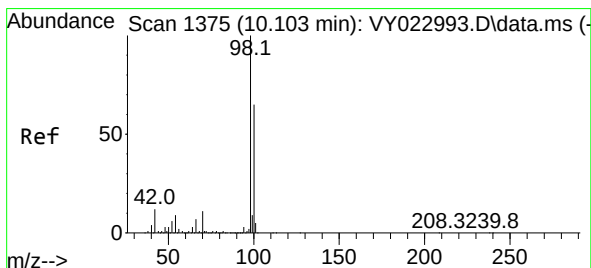
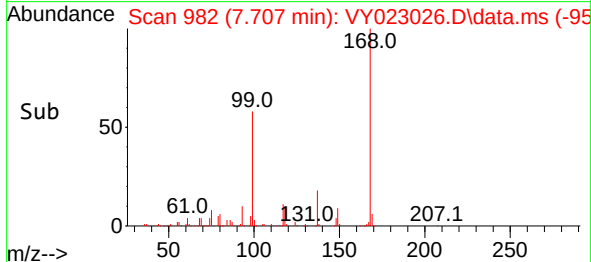
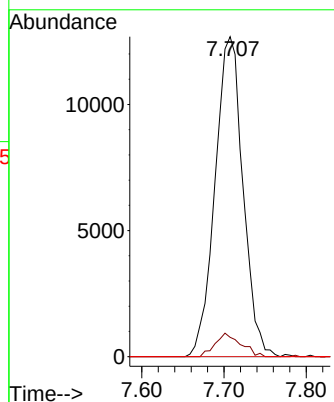
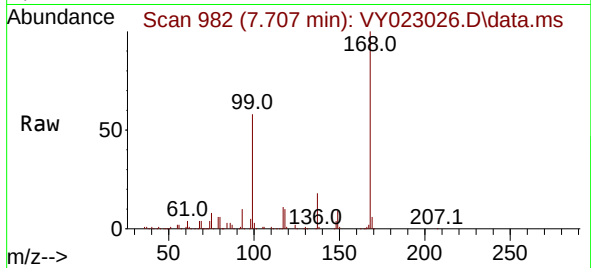




#38
Carbon Tetrachloride
Concen: 5.092 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

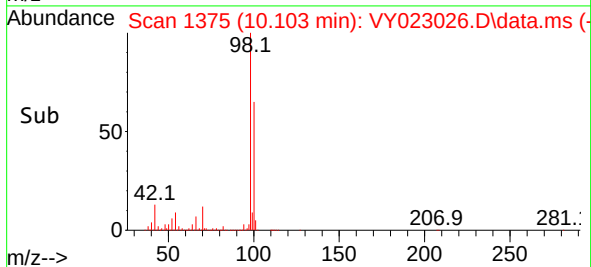
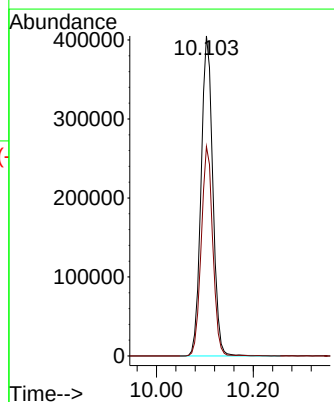
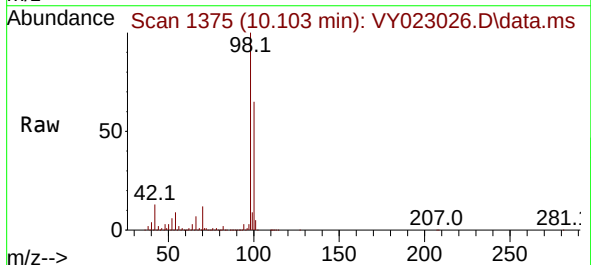
Instrument :
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WC-3-VOC

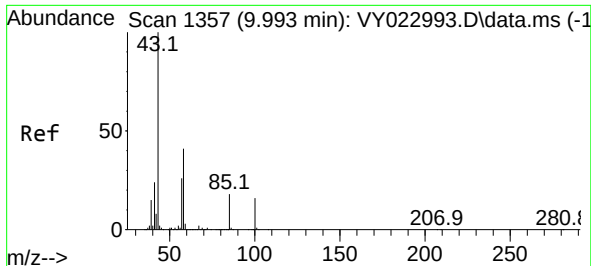
Tgt Ion:117 Resp: 29952
Ion Ratio Lower Upper
117 100
119 6.1 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.892 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 98 Resp: 680118
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.738 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

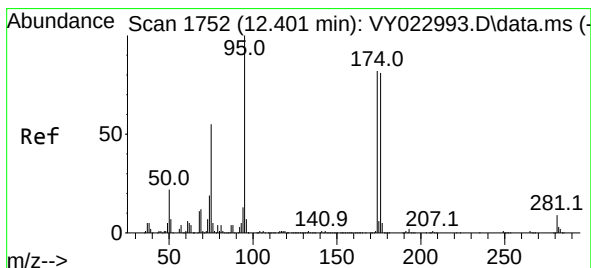
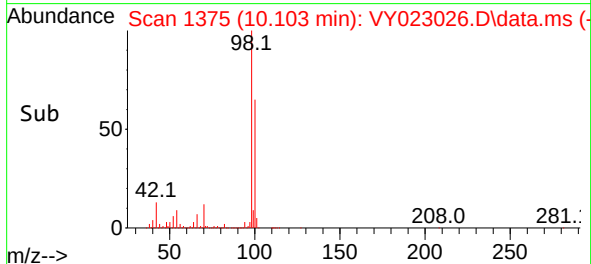
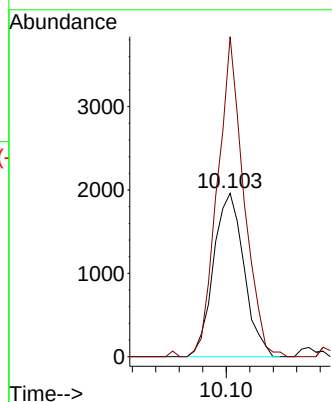
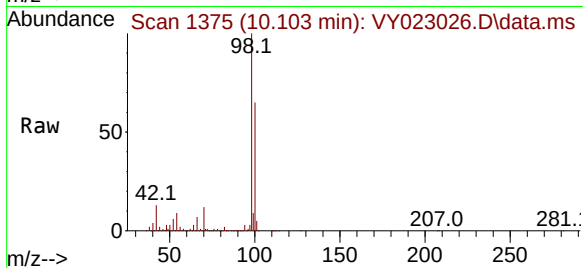
WC-3-VOC

Tgt Ion: 43 Resp: 3524

Ion Ratio Lower Upper

43 100

58 169.6 32.5 48.7#



#62

4-Bromofluorobenzene

Concen: 57.718 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

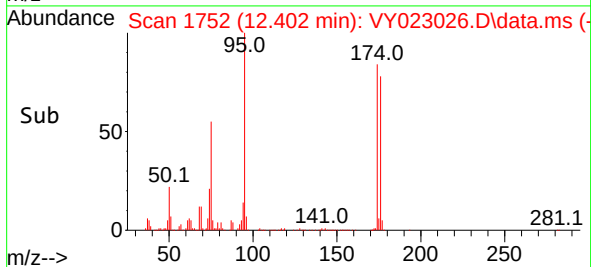
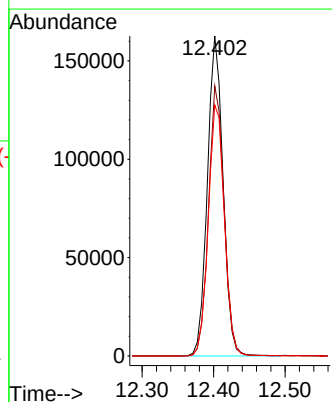
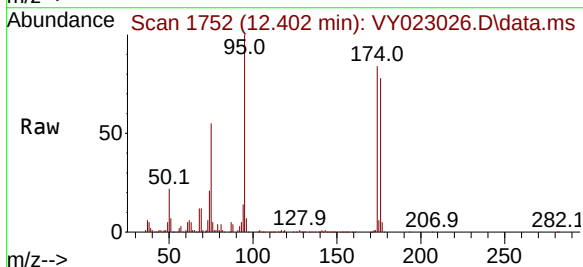
Tgt Ion: 95 Resp: 247673

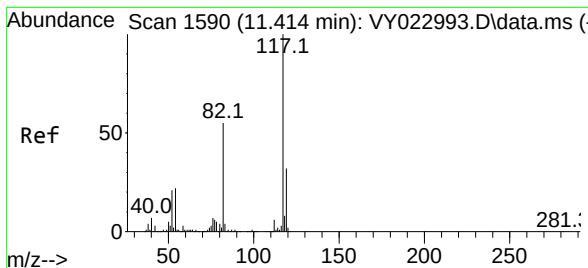
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.8

176 80.5 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: VY023026.D

Acq: 21 Jul 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

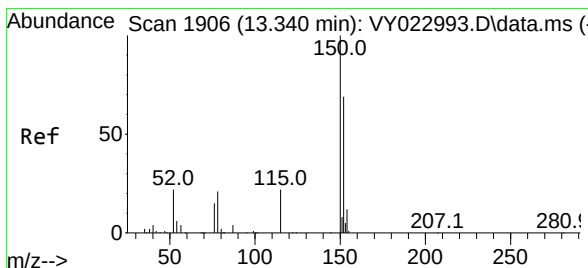
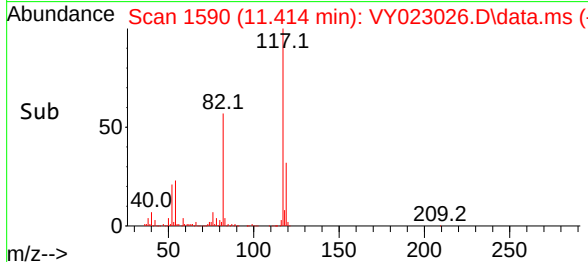
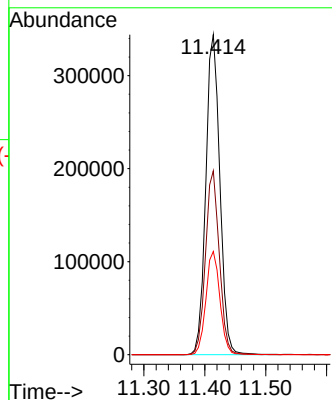
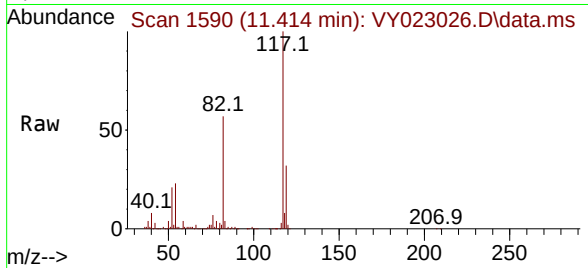
Tgt Ion:117 Resp: 550986

Ion Ratio Lower Upper

117 100

82 57.5 44.3 66.5

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023026.D

Acq: 21 Jul 2025 15:00

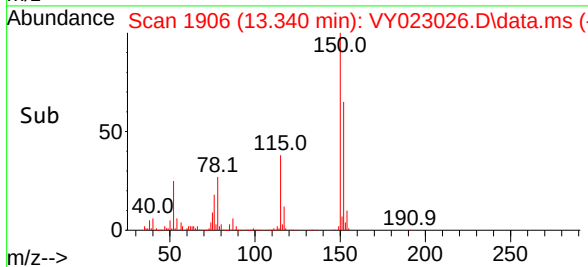
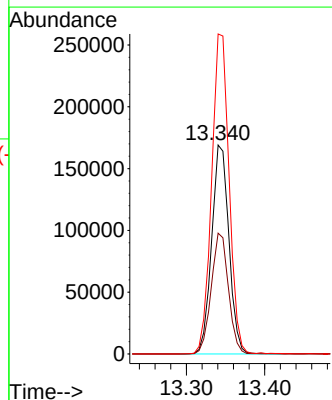
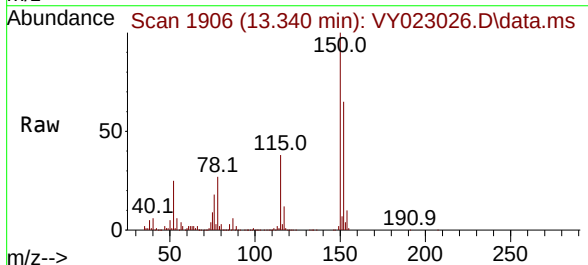
Tgt Ion:152 Resp: 258431

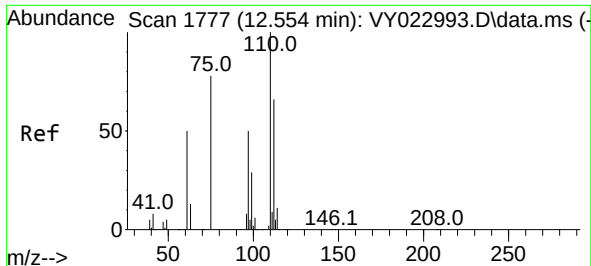
Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 155.3 0.0 350.0

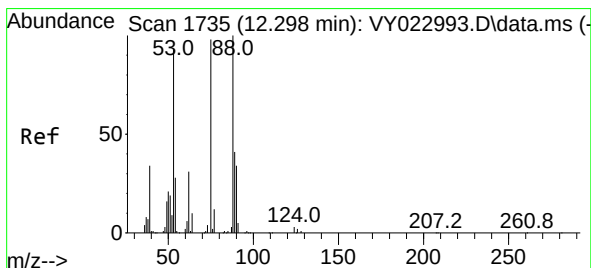
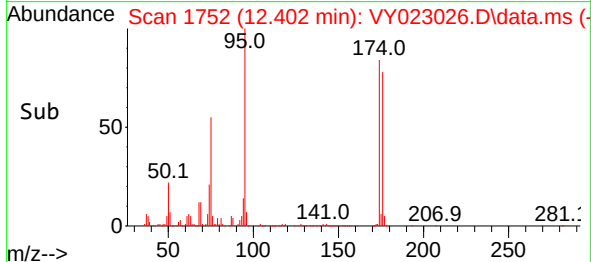
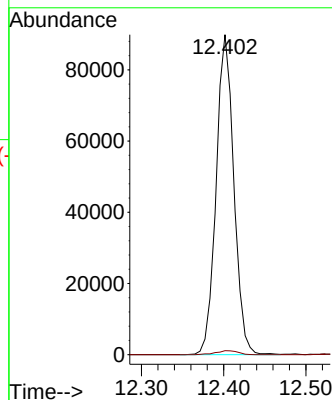
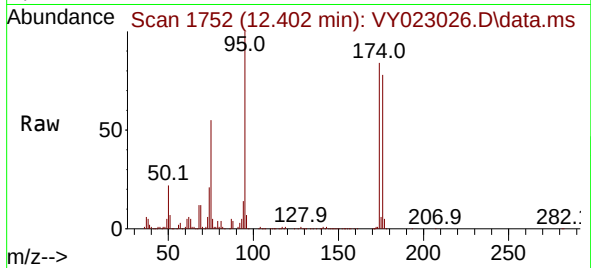




#76
1,2,3-Trichloropropane
Concen: 41.724 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

Tgt Ion: 75 Resp: 134363
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.274 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023026.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 75 Resp: 134363
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.1 54.1#

