

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023028.D
 Acq On : 21 Jul 2025 15:46
 Operator : SY/MD
 Sample : Q2649-19
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

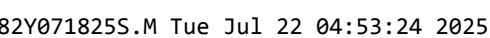
Quant Time: Jul 22 04:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

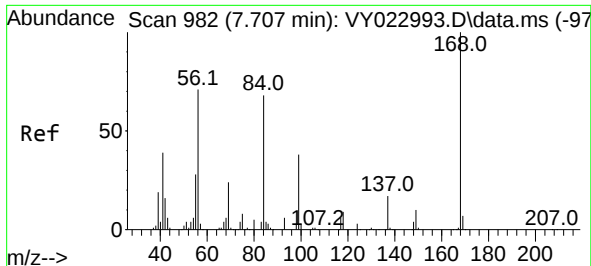
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	273967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	534713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	252803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	177510	64.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.000%	
35) Dibromofluoromethane	7.634	113	178441	52.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.103	98	672290	49.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	12.401	95	246251	58.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.320%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1142	2.272	ug/l #	83
20) Methylene Chloride	4.616	84	22281	Below Cal	#	84
31) Cyclohexane	7.713	56	6475	1.173	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	23281	4.357	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28883	4.976	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3275	1.637	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	136671	43.386	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	136671	129.223	ug/l #	12

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

Quant Time: Jul 22 04:53:11 2025
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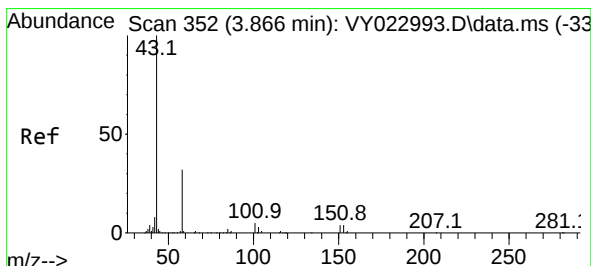
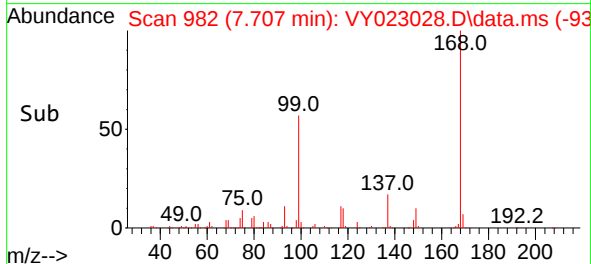
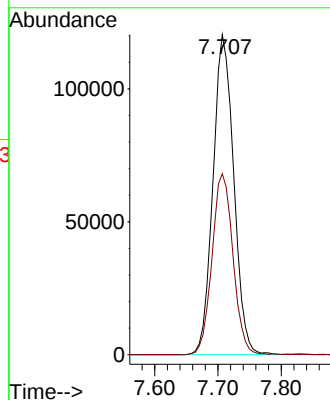
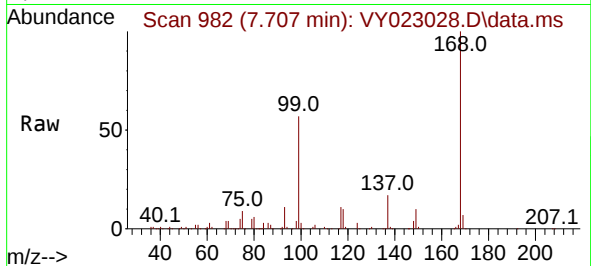




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

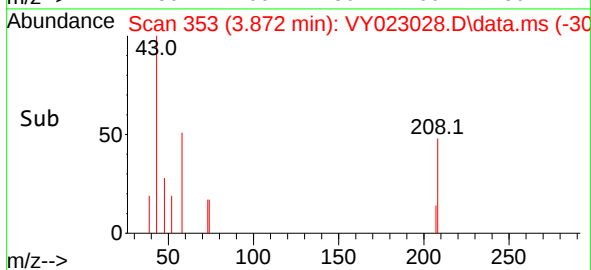
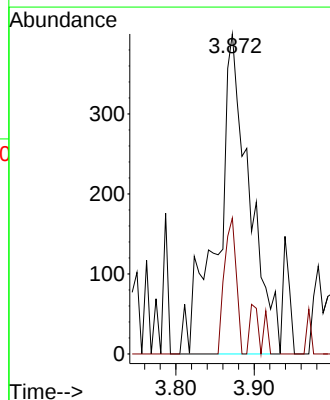
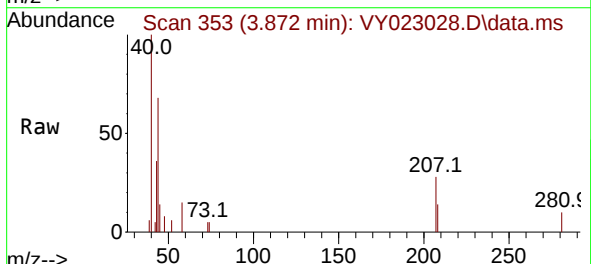
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

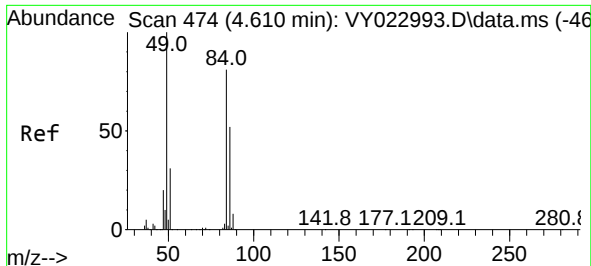
Tgt Ion:168 Resp: 273967
Ion Ratio Lower Upper
168 100
99 56.6 44.4 66.6



#16
Acetone
Concen: 2.272 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 42.5 26.2 39.4#

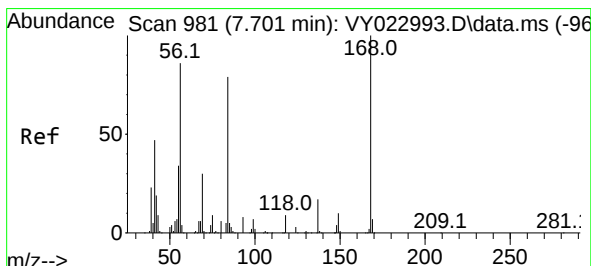
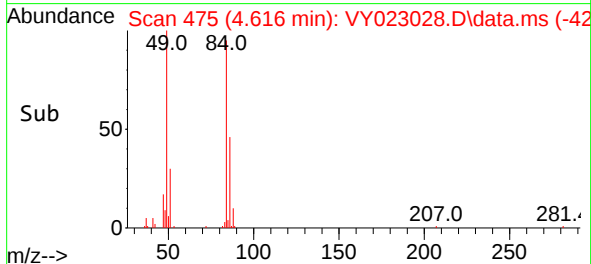
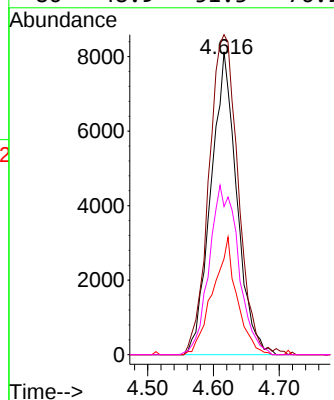
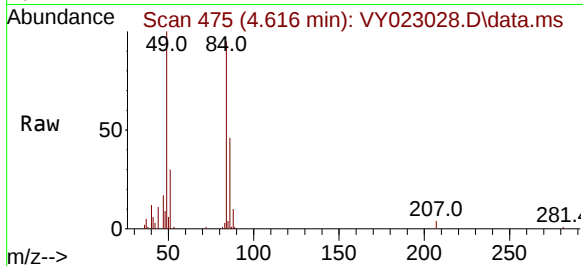




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

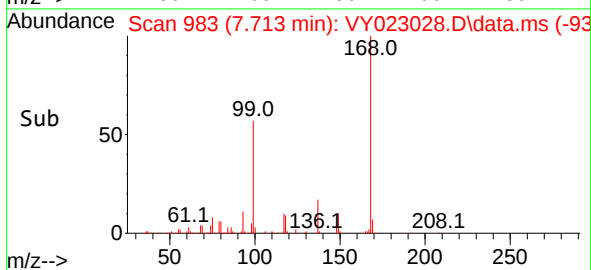
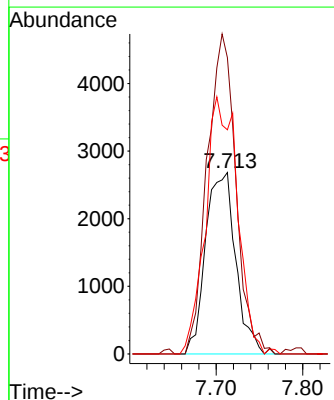
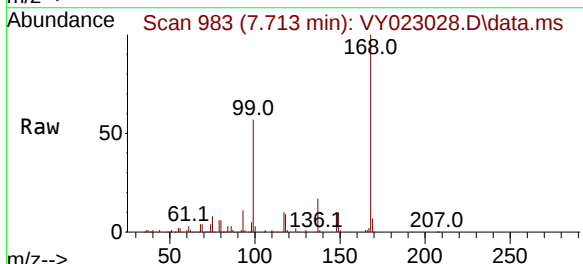
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

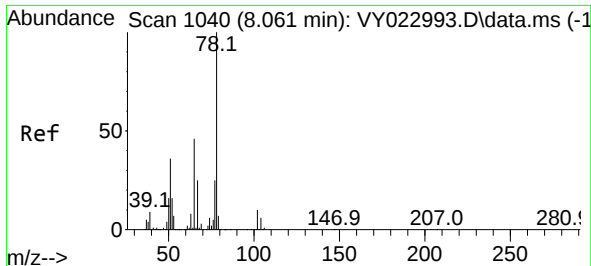
Tgt Ion:	84	Resp:	22281
Ion	Ratio	Lower	Upper
84	100		
49	105.6	98.2	147.4
51	31.7	30.5	45.7
86	48.9	51.3	76.9#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion:	56	Resp:	6475
Ion	Ratio	Lower	Upper
56	100		
69	163.4	28.1	42.1#
84	123.6	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 64.003 ug/l

RT: 8.060 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023028.D

Acq: 21 Jul 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

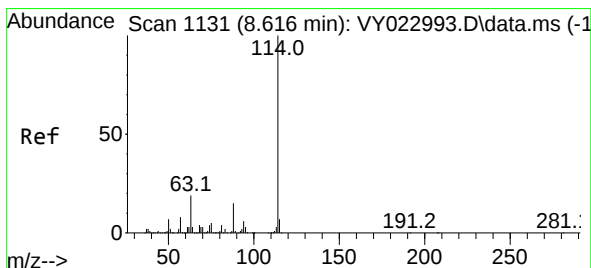
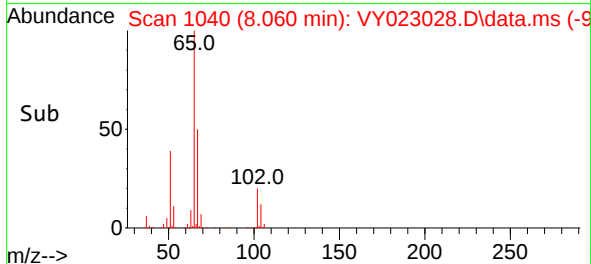
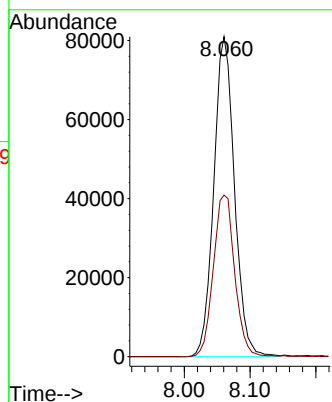
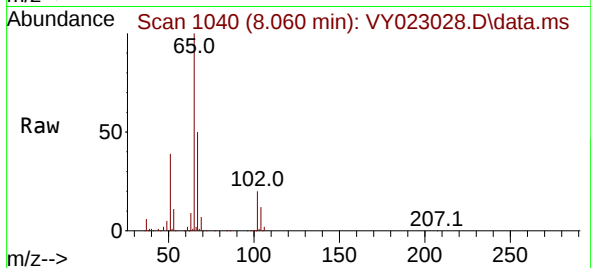
WC-5-VOC

Tgt Ion: 65 Resp: 177510

Ion Ratio Lower Upper

65 100

67 52.2 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: VY023028.D

Acq: 21 Jul 2025 15:46

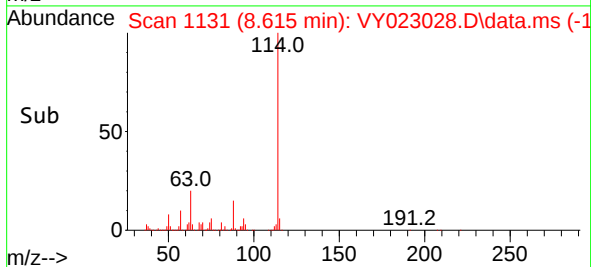
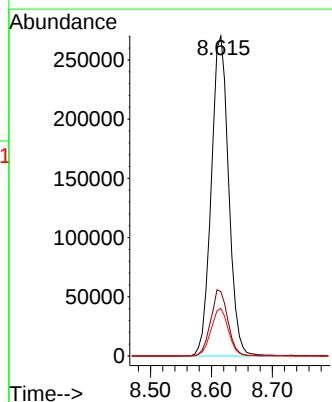
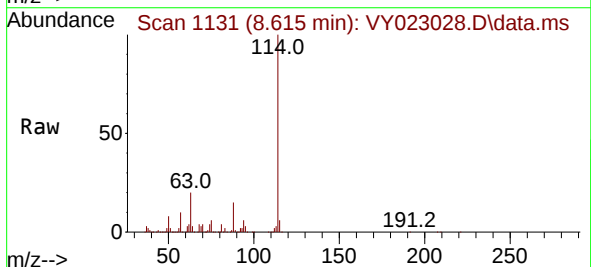
Tgt Ion: 114 Resp: 534713

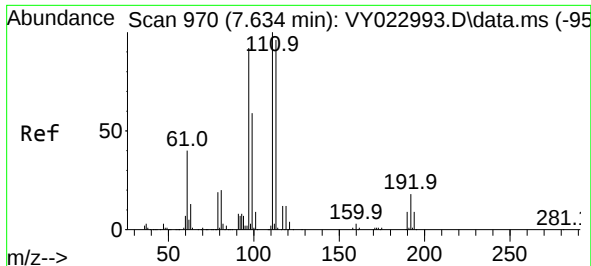
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 14.8 0.0 30.2

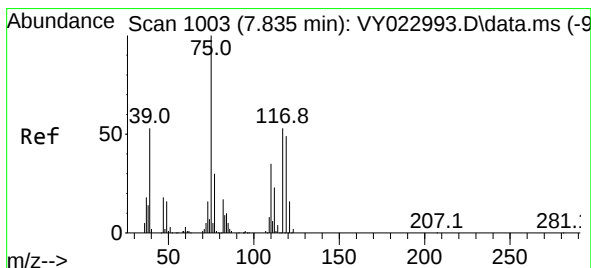
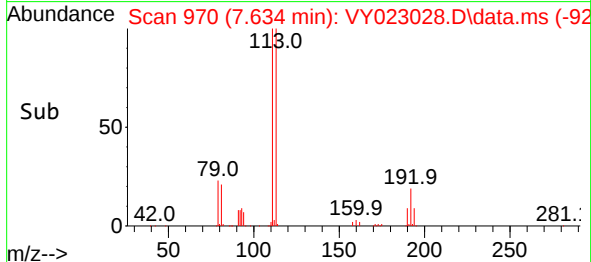
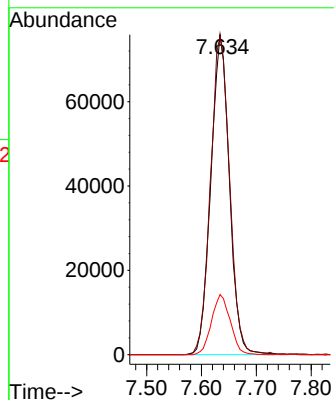
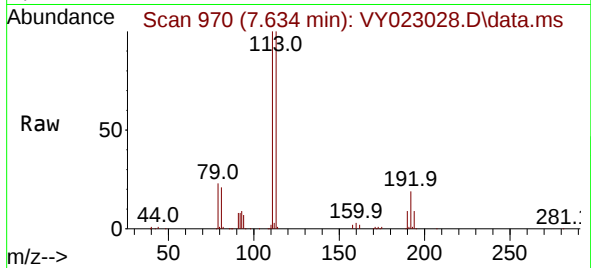




#35
Dibromofluoromethane
Concen: 52.608 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

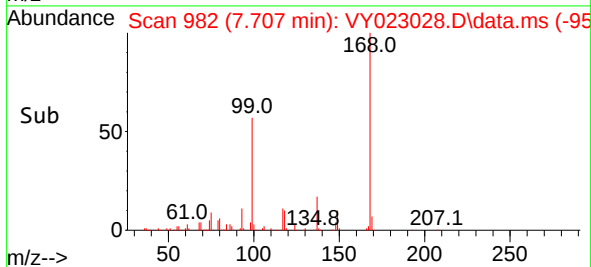
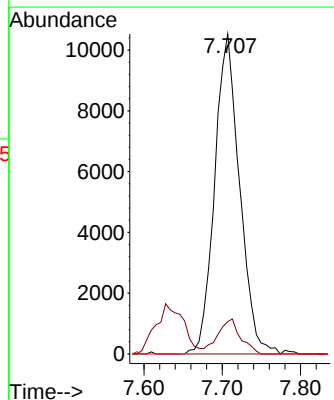
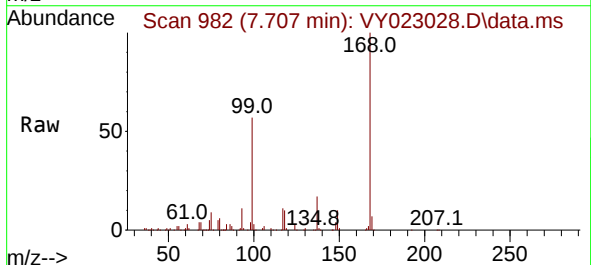
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

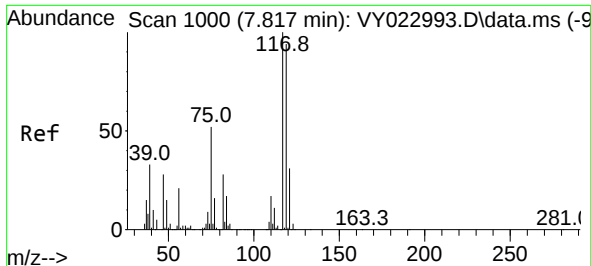
Tgt Ion:113 Resp: 178441
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 75 Resp: 23281
Ion Ratio Lower Upper
75 100
110 9.9 17.3 51.9#
77 0.0 24.6 37.0#

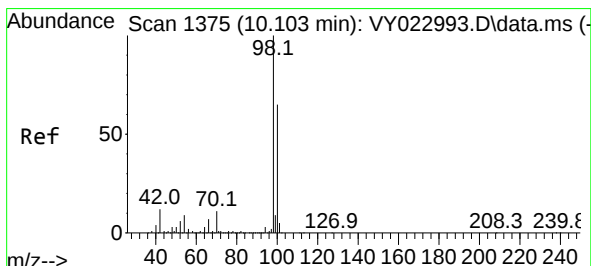
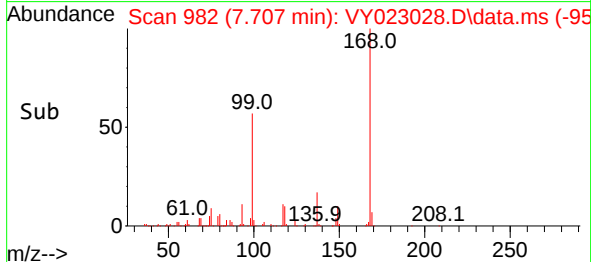
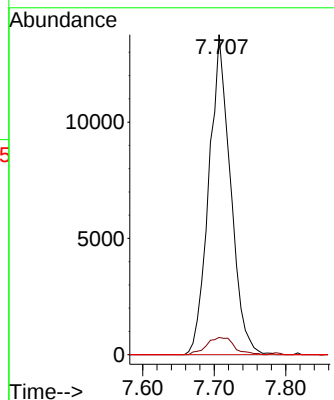
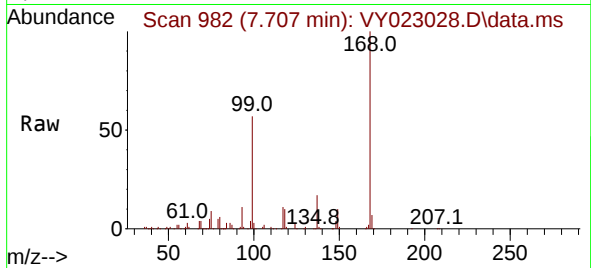




#38
Carbon Tetrachloride
Concen: 4.976 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

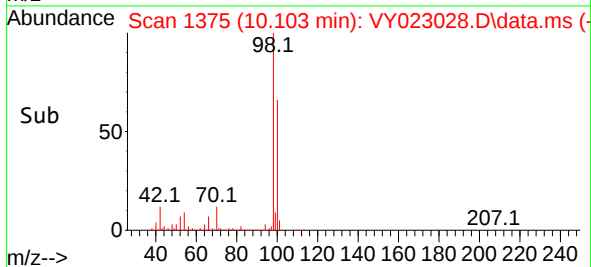
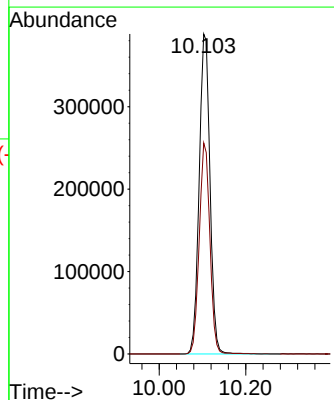
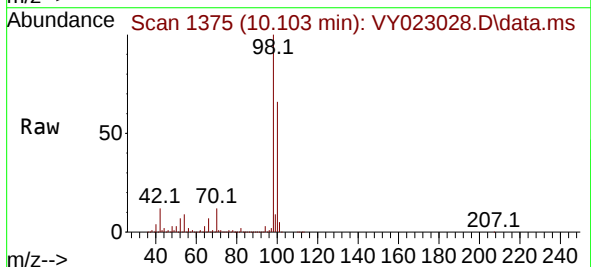
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

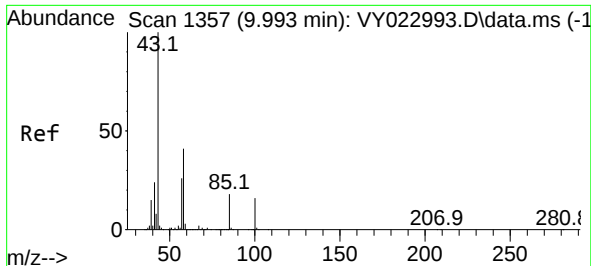
Tgt Ion:117 Resp: 28883
Ion Ratio Lower Upper
117 100
119 5.4 74.9 112.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.981 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 98 Resp: 672290
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.637 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.109 min

Lab File: VY023028.D

Acq: 21 Jul 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

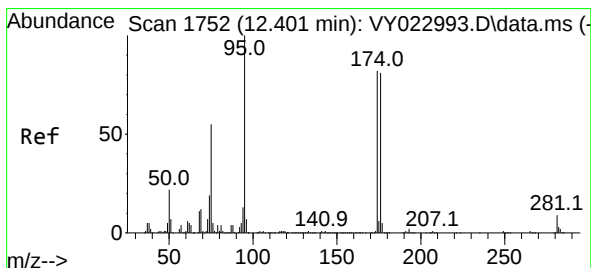
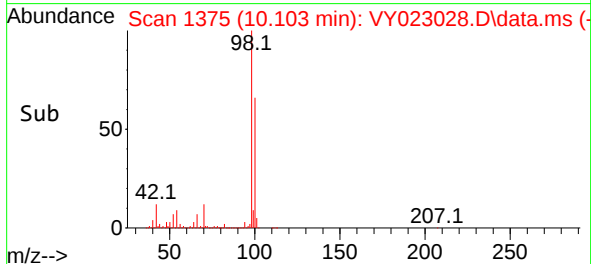
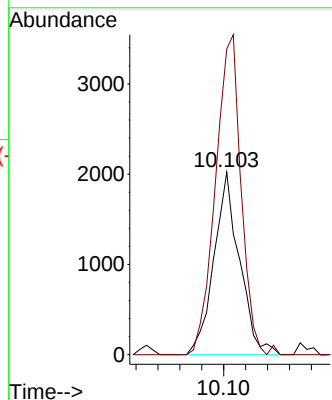
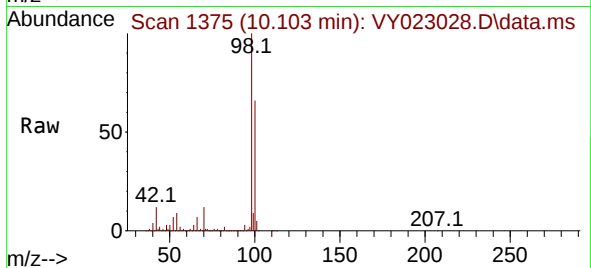
WC-5-VOC

Tgt Ion: 43 Resp: 3275

Ion Ratio Lower Upper

43 100

58 174.7 32.5 48.7#



#62

4-Bromofluorobenzene

Concen: 58.159 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023028.D

Acq: 21 Jul 2025 15:46

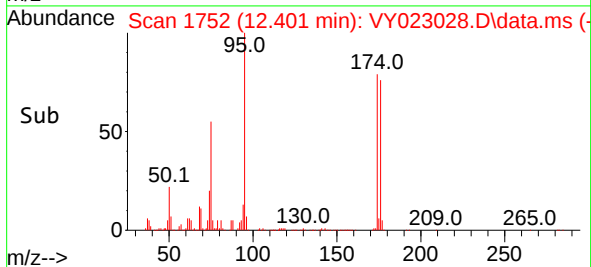
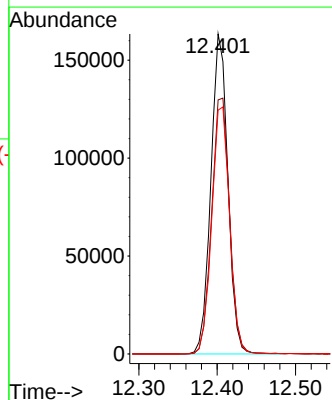
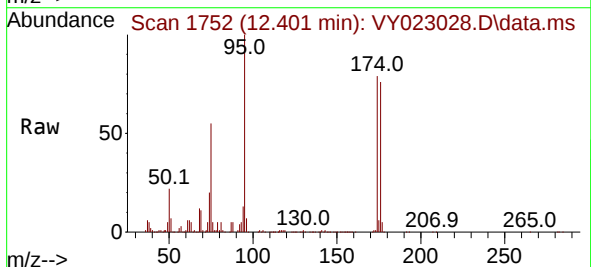
Tgt Ion: 95 Resp: 246251

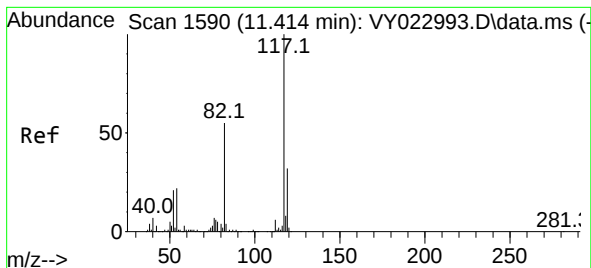
Ion Ratio Lower Upper

95 100

174 84.5 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: VY023028.D

Acq: 21 Jul 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

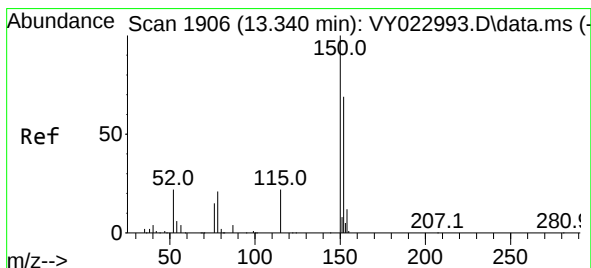
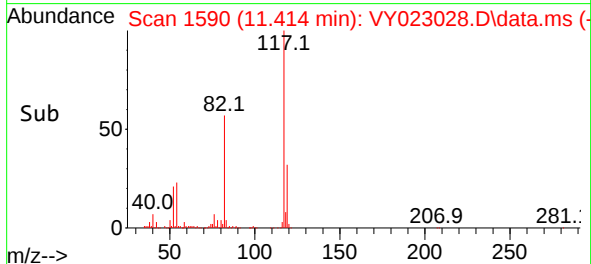
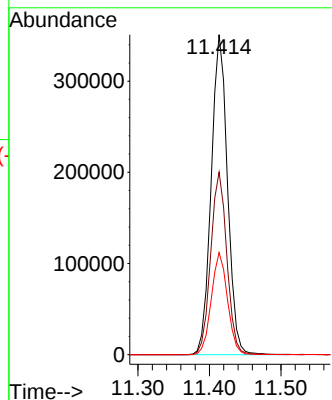
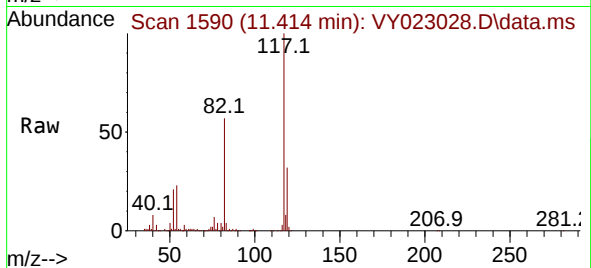
Tgt Ion:117 Resp: 554420

Ion Ratio Lower Upper

117 100

82 57.1 44.3 66.5

119 31.9 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: VY023028.D

Acq: 21 Jul 2025 15:46

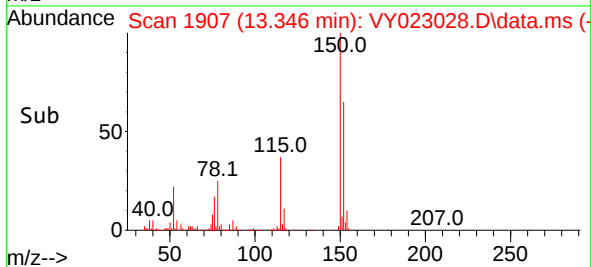
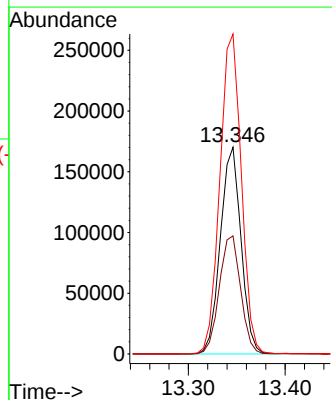
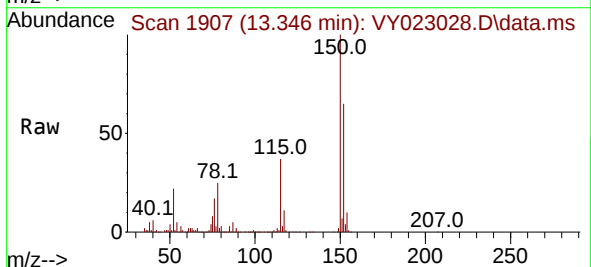
Tgt Ion:152 Resp: 252803

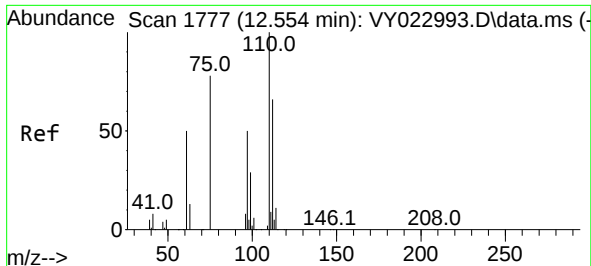
Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.2

150 160.3 0.0 350.0

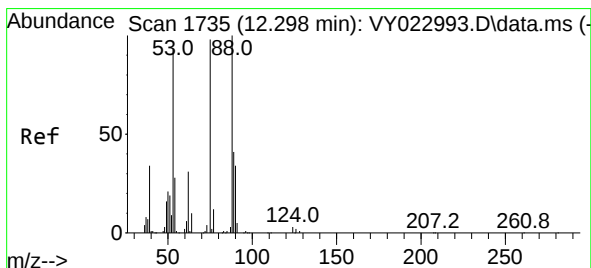
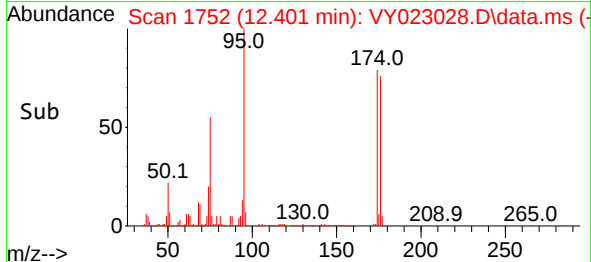
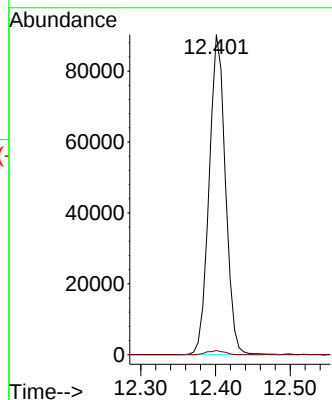
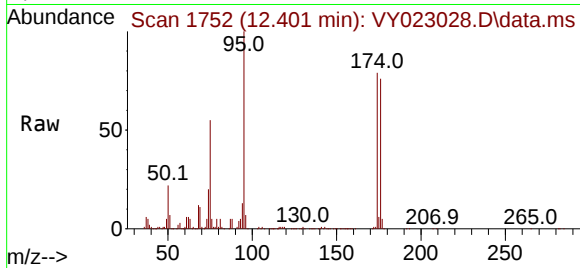




#76
1,2,3-Trichloropropane
Concen: 43.386 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

Tgt Ion: 75 Resp: 136671
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.223 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023028.D
Acq: 21 Jul 2025 15:46

Tgt Ion: 75 Resp: 136671
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.1 54.1#

