

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021814.D
 Acq On : 09 Apr 2025 13:17
 Operator : SY/MD
 Sample : Q1745-11
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-6.5-VOC

Quant Time: Apr 10 01:42:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

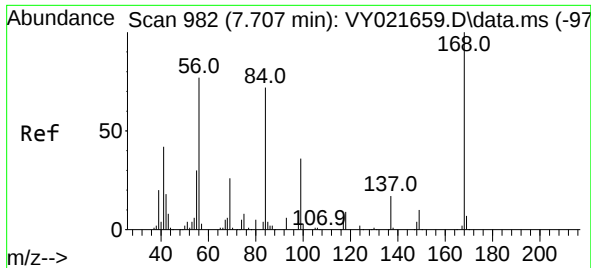
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	218744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	423273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	369710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	140349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	149989	63.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.580%	
35) Dibromofluoromethane	7.634	113	149091	54.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.600%	
50) Toluene-d8	10.109	98	516391	49.437	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.880%	
62) 4-Bromofluorobenzene	12.408	95	144114	40.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1105	2.278	ug/l #	47
20) Methylene Chloride	4.616	84	3041	Below Cal	#	88
31) Cyclohexane	7.713	56	4868	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18462	4.414	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23424	4.890	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2568	1.319	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	75996	54.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	75996	125.866	ug/l #	12

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

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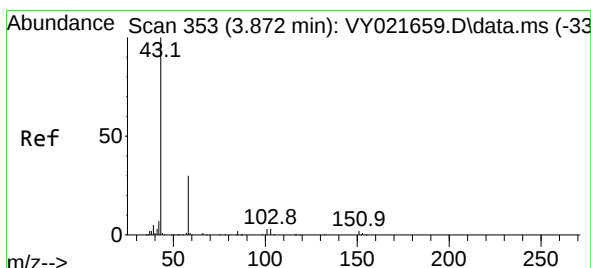
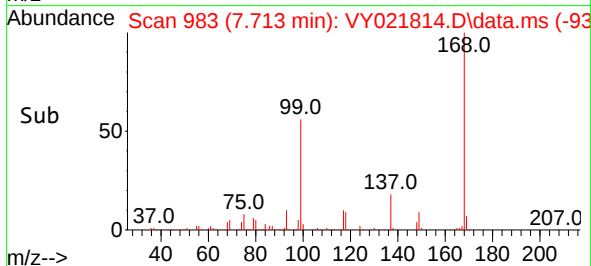
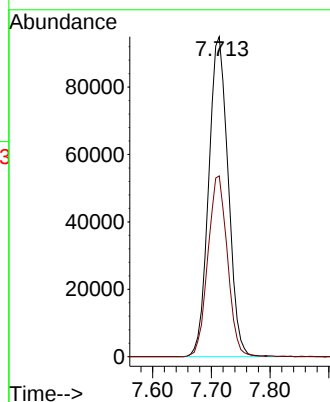
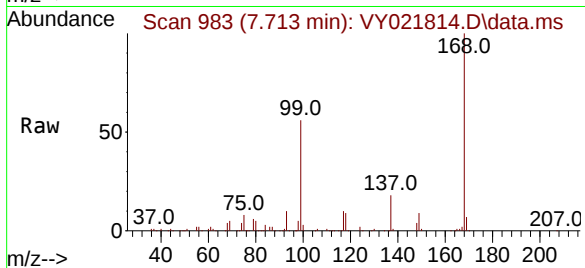




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

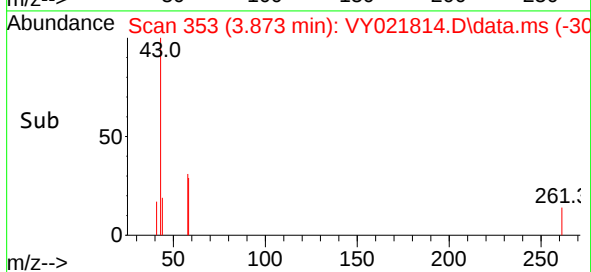
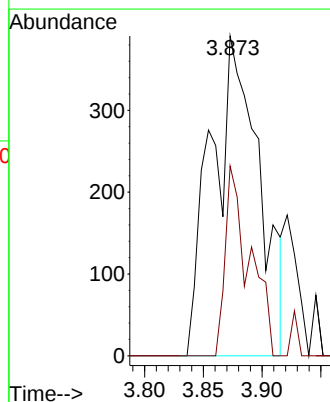
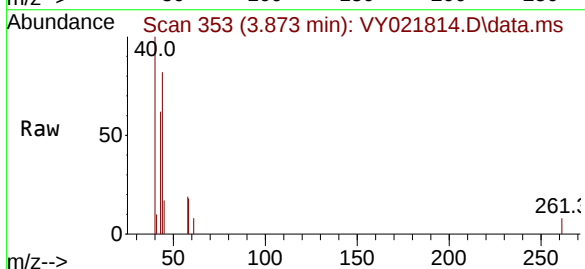
Instrument :
MSVOA_Y
ClientSampleId :
IB-6.5-VOC

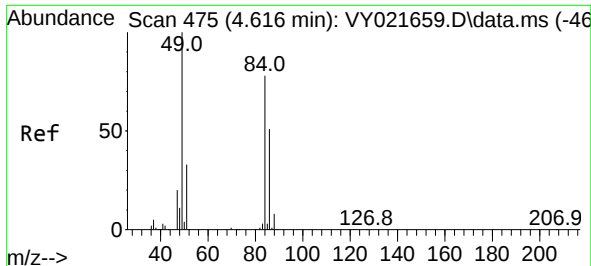
Tgt Ion:168 Resp: 218744
Ion Ratio Lower Upper
168 100
99 56.5 46.7 70.1



#16
Acetone
Concen: 2.278 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
58 59.3 24.2 36.4#

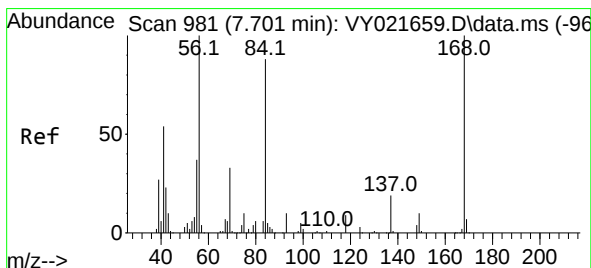
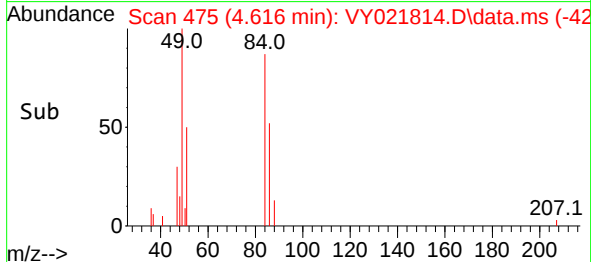
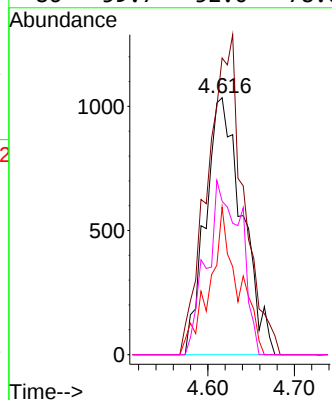
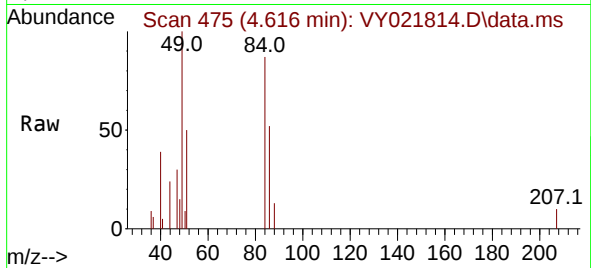




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

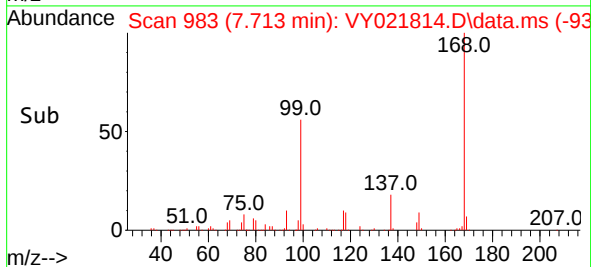
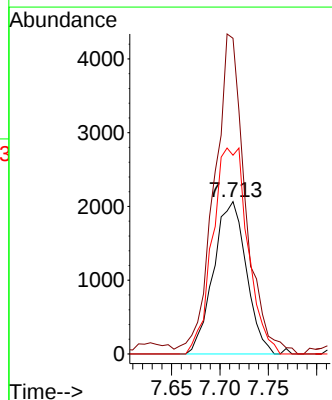
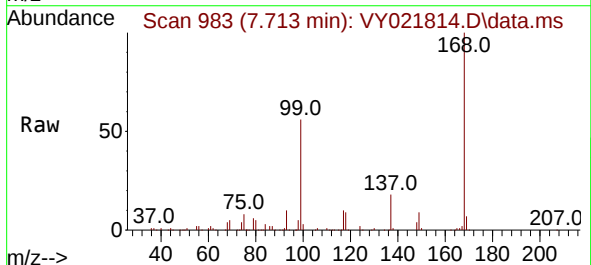
Instrument :
MSVOA_Y
ClientSampleId :
IB-6.5-VOC

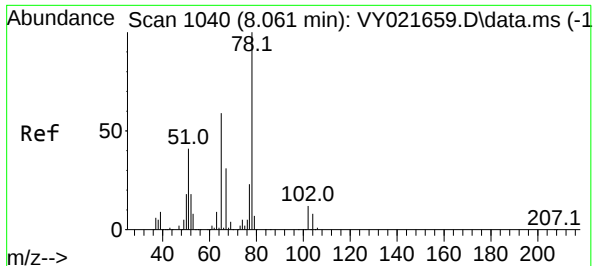
Tgt Ion:	84	Resp:	3041
Ion	Ratio	Lower	Upper
84	100		
49	115.5	102.8	154.2
51	57.5	33.5	50.3#
86	59.7	52.0	78.0



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion:	56	Resp:	4868
Ion	Ratio	Lower	Upper
56	100		
69	201.9	26.6	40.0#
84	130.4	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 63.286 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

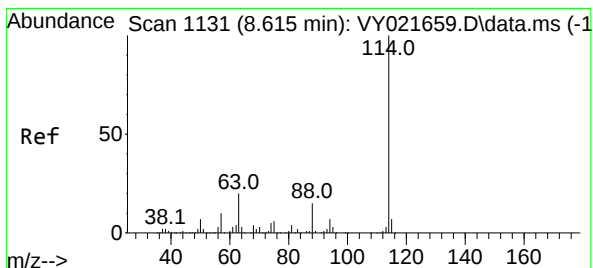
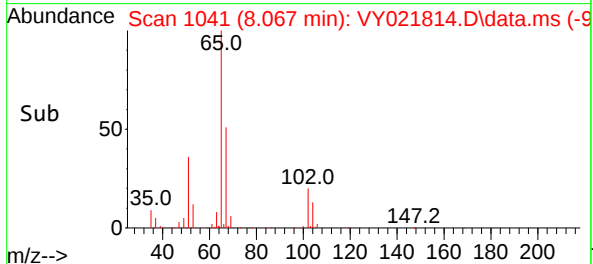
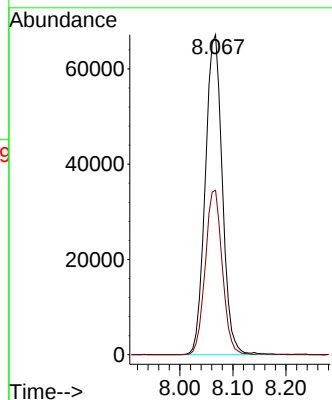
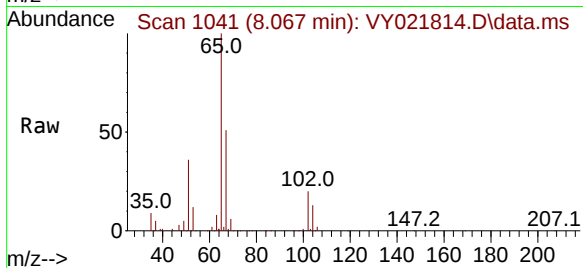
IB-6.5-VOC

Tgt Ion: 65 Resp: 149989

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

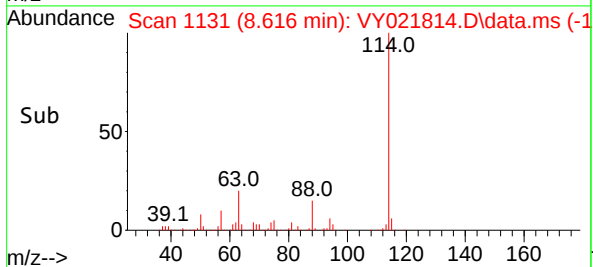
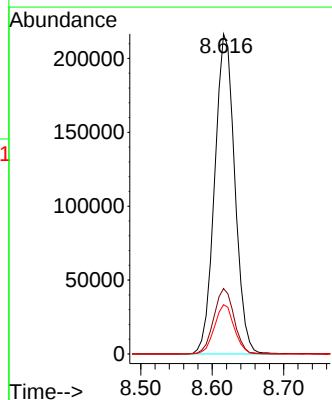
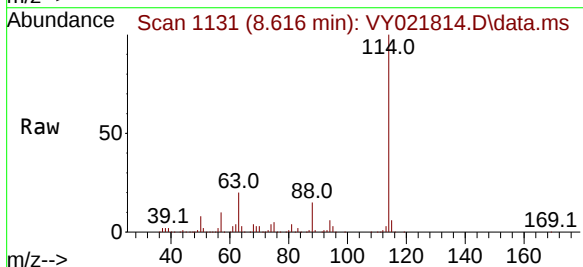
Tgt Ion: 114 Resp: 423273

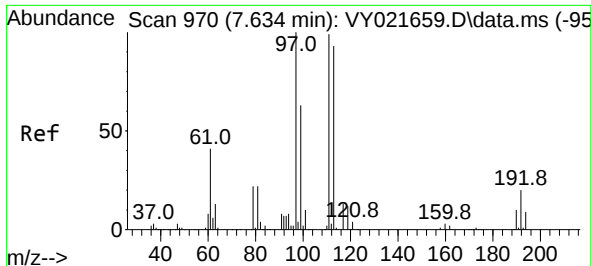
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.4 0.0 29.8

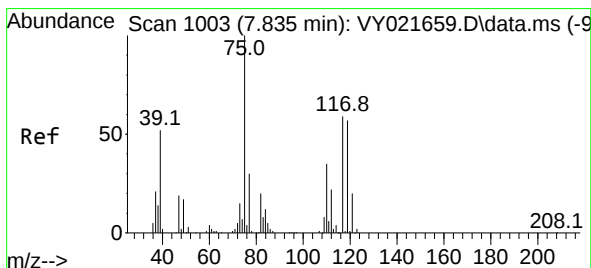
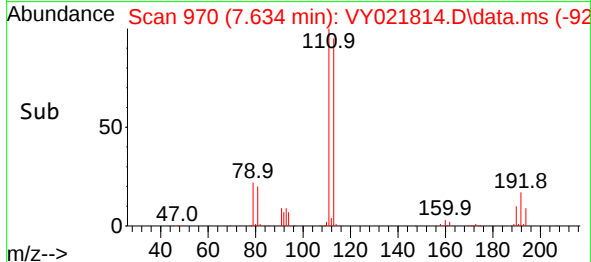
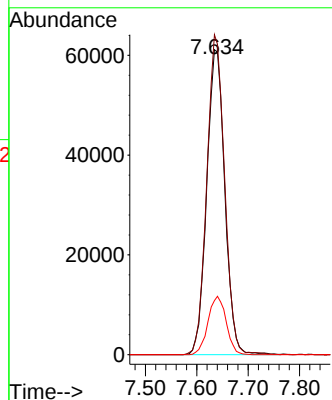
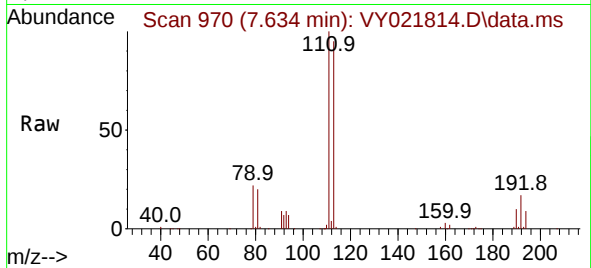




#35
Dibromofluoromethane
Concen: 54.300 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

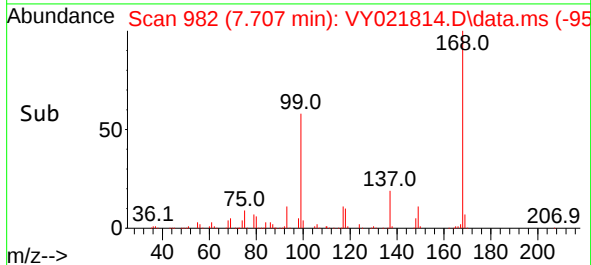
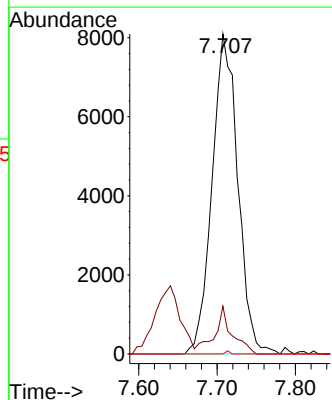
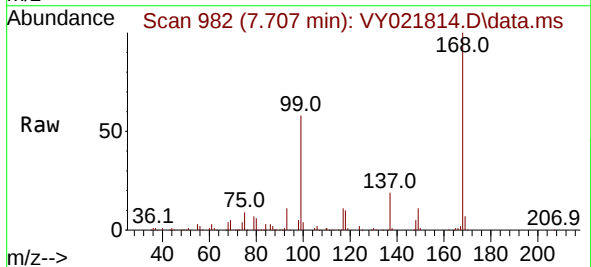
Instrument :
MSVOA_Y
ClientSampleId :
IB-6.5-VOC

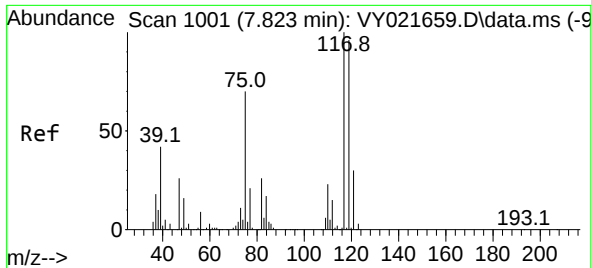
Tgt Ion:113 Resp: 149091
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 19.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 75 Resp: 18462
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.2 24.8 37.2#

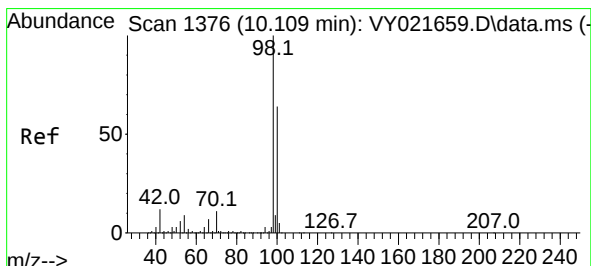
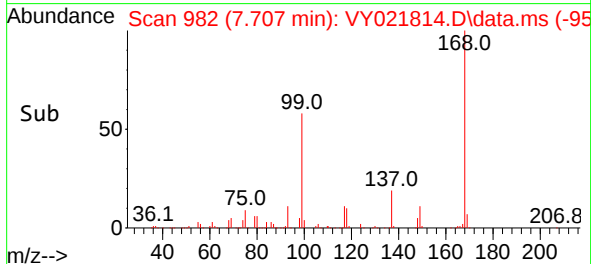
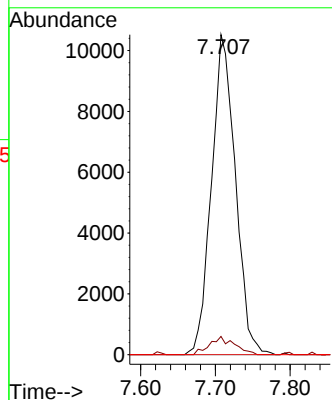
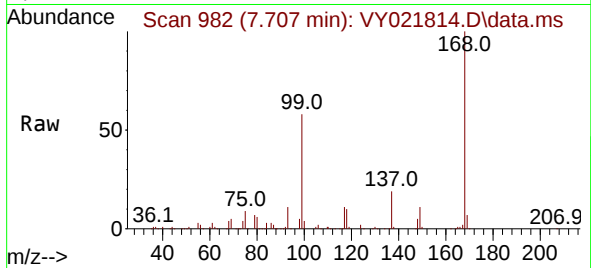




#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

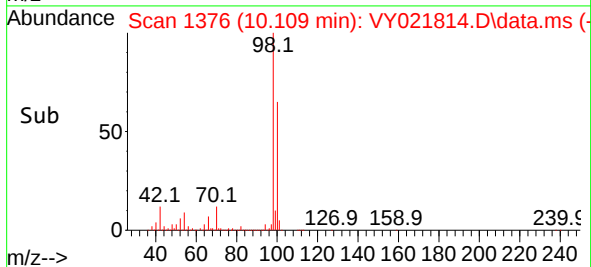
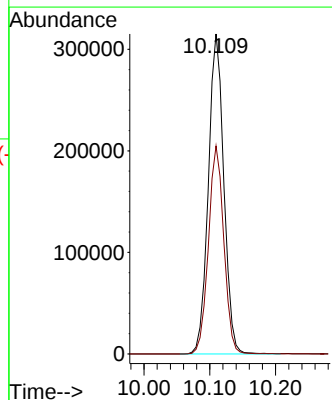
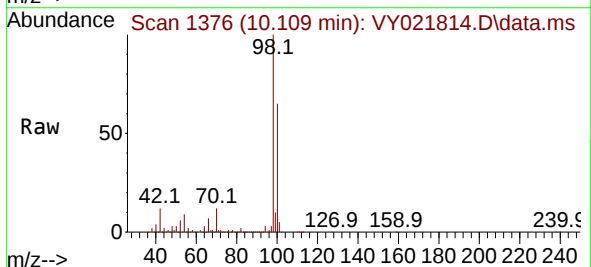
Instrument :
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ClientSampleId :
IB-6.5-VOC

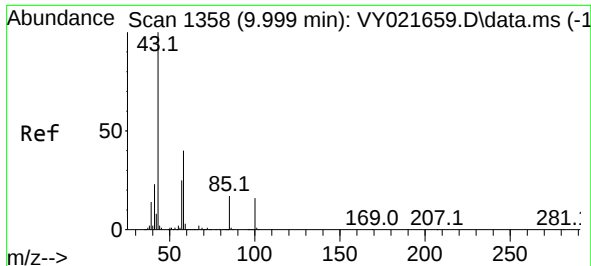
Tgt Ion:117 Resp: 23424
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.437 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 98 Resp: 516391
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

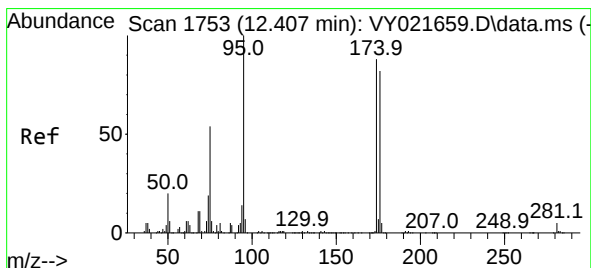
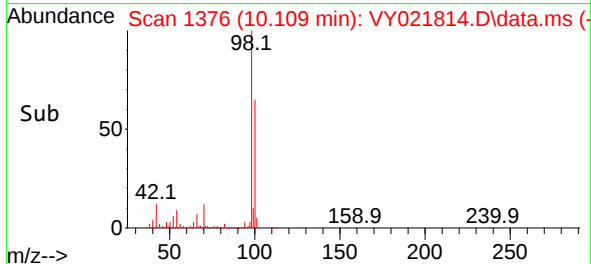
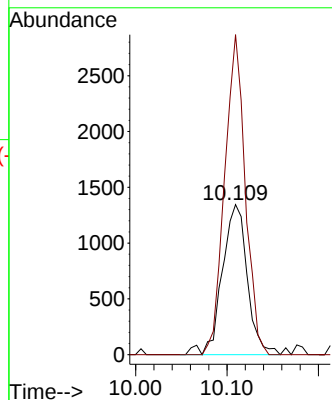
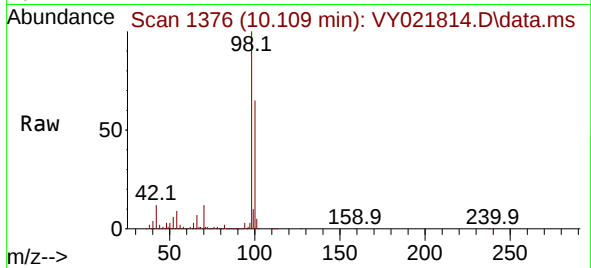




#51
4-Methyl-2-Pentanone
Concen: 1.319 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

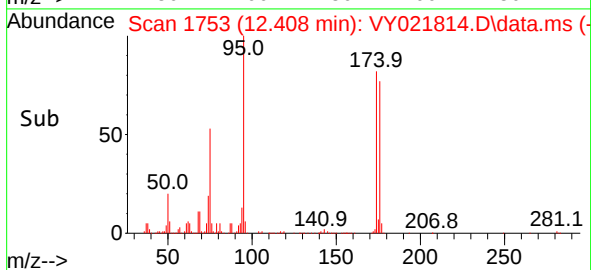
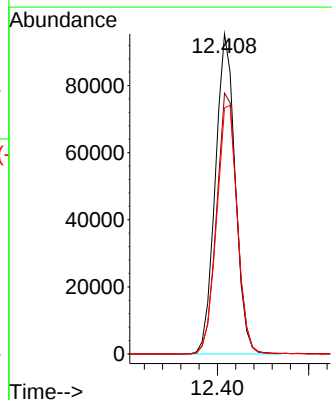
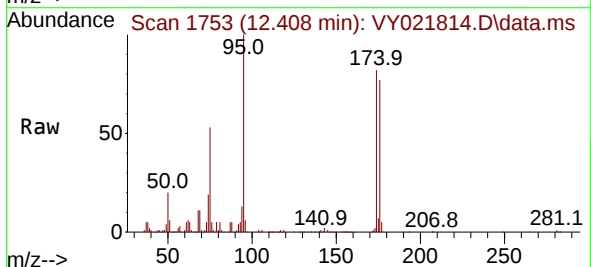
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IB-6.5-VOC

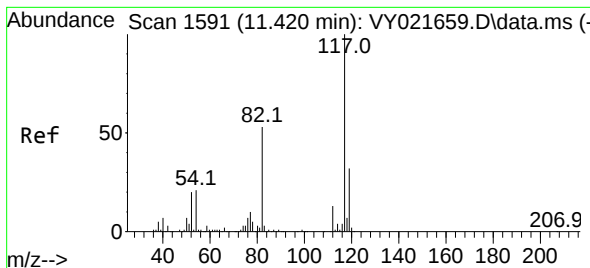
Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
58 175.5 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 40.789 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 95 Resp: 144114
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.8
176 81.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

IB-6.5-VOC

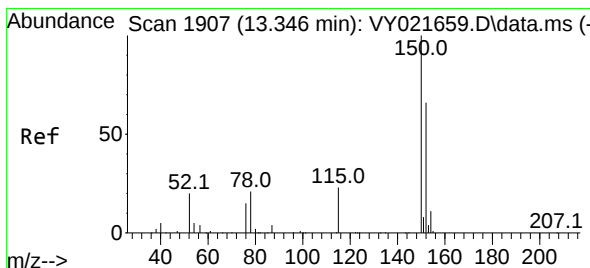
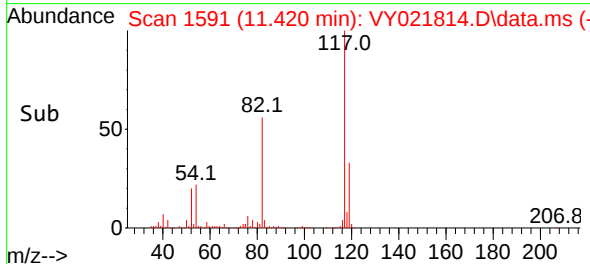
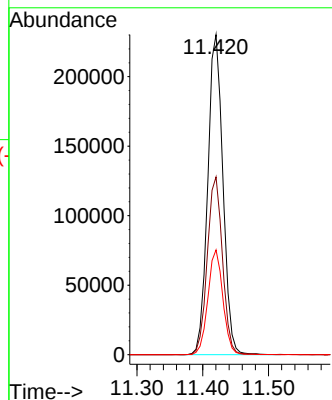
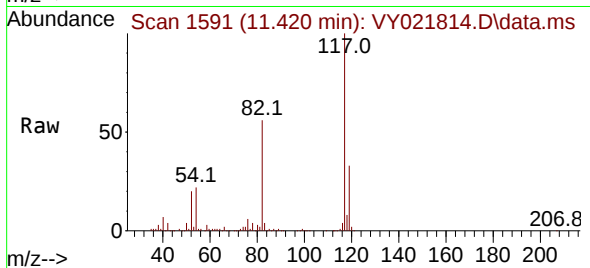
Tgt Ion:117 Resp: 369710

Ion Ratio Lower Upper

117 100

82 55.6 42.8 64.2

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021814.D

Acq: 09 Apr 2025 13:17

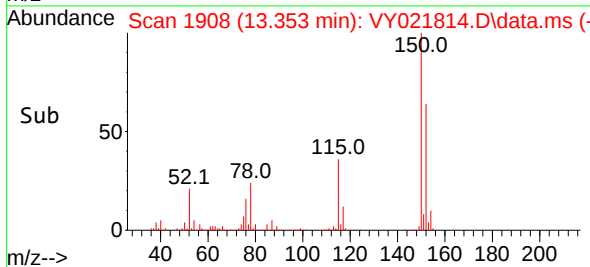
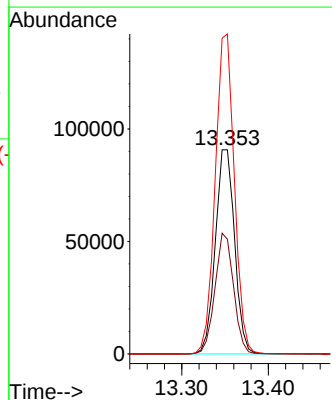
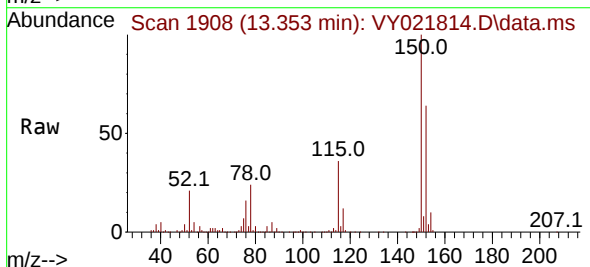
Tgt Ion:152 Resp: 140349

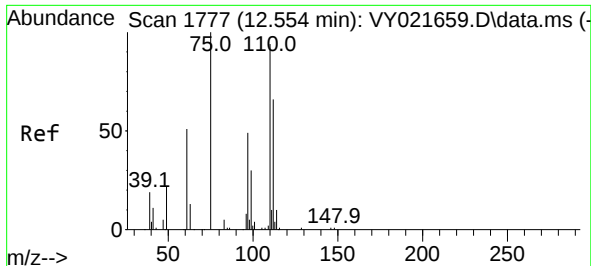
Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 155.3 0.0 348.4

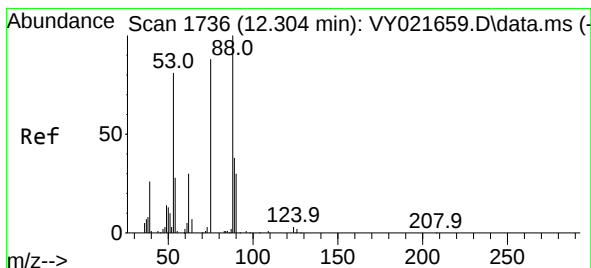
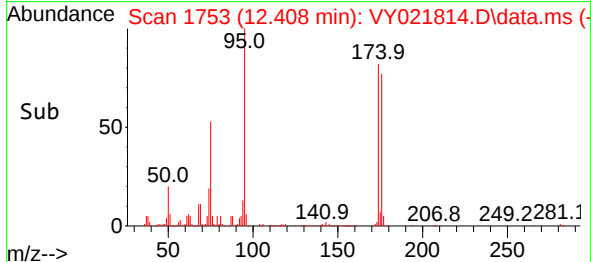
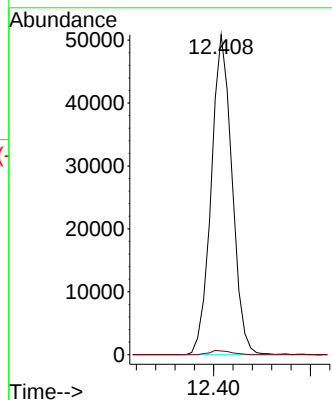
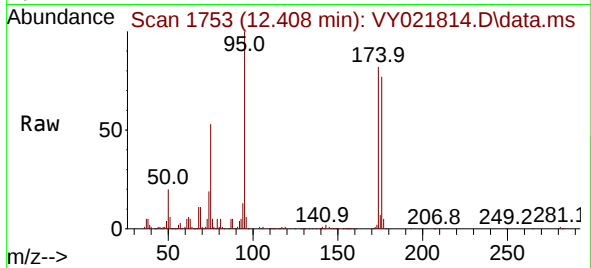




#76
1,2,3-Trichloropropane
Concen: 54.625 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
IB-6.5-VOC

Tgt Ion: 75 Resp: 75996
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.866 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021814.D
Acq: 09 Apr 2025 13:17

Tgt Ion: 75 Resp: 75996
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.2 54.4#

