

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021821.D
 Acq On : 09 Apr 2025 16:01
 Operator : SY/MD
 Sample : Q1748-03
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-1.5-VOC

Quant Time: Apr 10 01:45:00 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	210636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	404581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	340383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	122892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125420	54.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.920%	
35) Dibromofluoromethane	7.634	113	134951	51.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.840%	
50) Toluene-d8	10.109	98	489249	49.002	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	12.408	95	129134	38.238	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1522	3.259	ug/l	95
20) Methylene Chloride	4.616	84	6213	Below Cal	#	83
31) Cyclohexane	7.713	56	5220	1.296	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	17687	4.425	ug/l #	51
38) Carbon Tetrachloride	7.707	117	21537	4.704	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2318	1.246	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	69207	56.812	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	69207	130.904	ug/l #	12

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

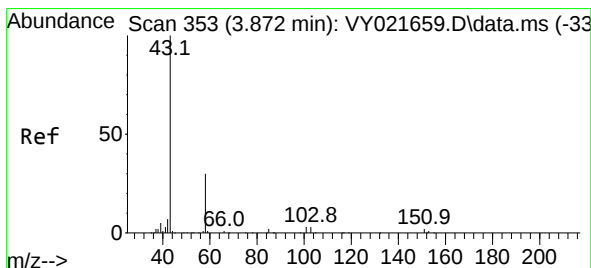
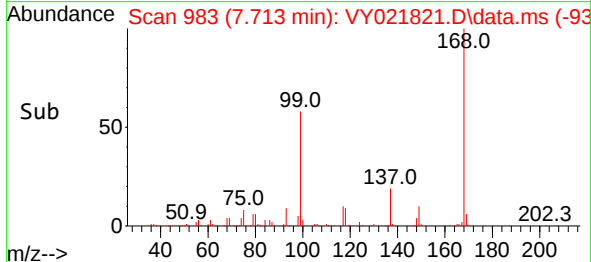
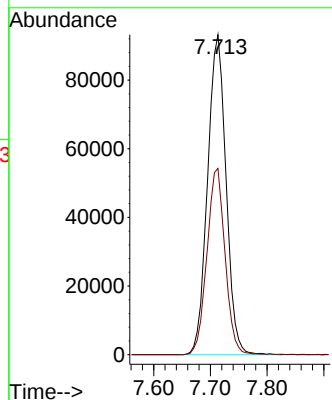
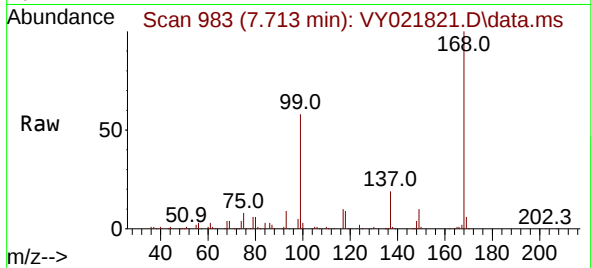




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

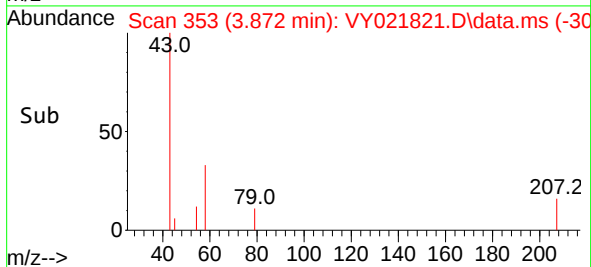
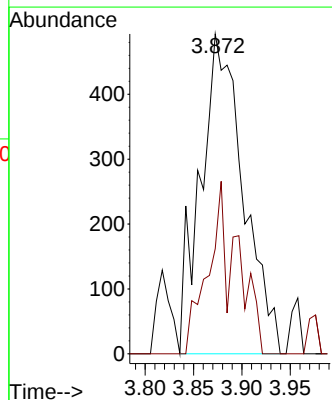
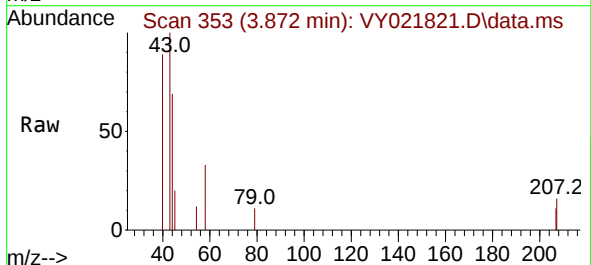
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

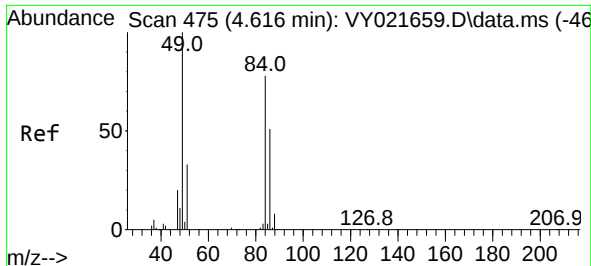
Tgt Ion:168 Resp: 210636
Ion Ratio Lower Upper
168 100
99 58.2 46.7 70.1



#16
Acetone
Concen: 3.259 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 32.9 24.2 36.4

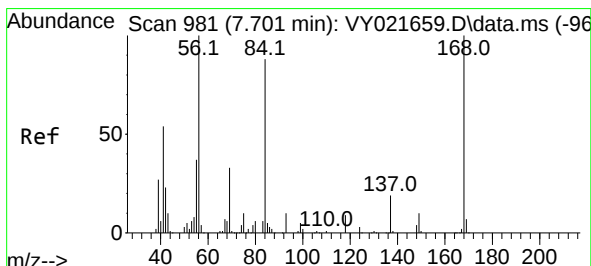
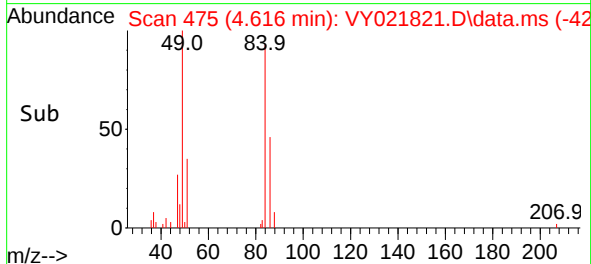
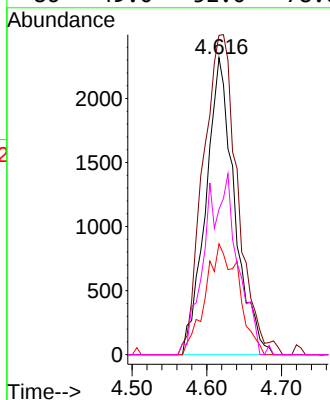
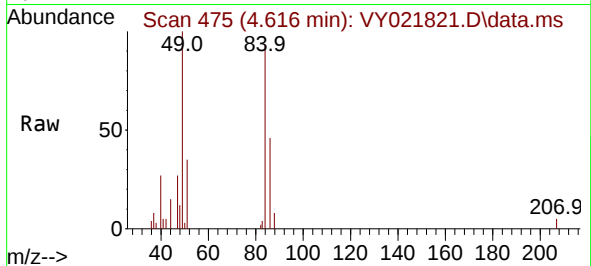




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

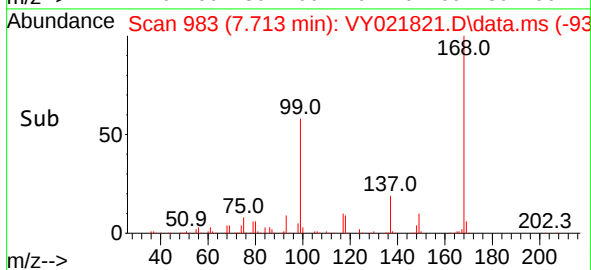
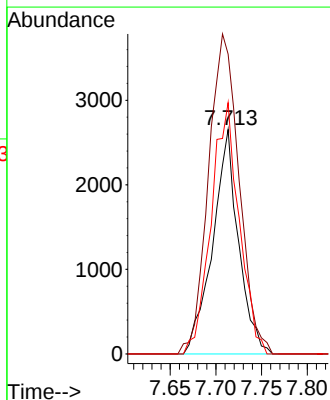
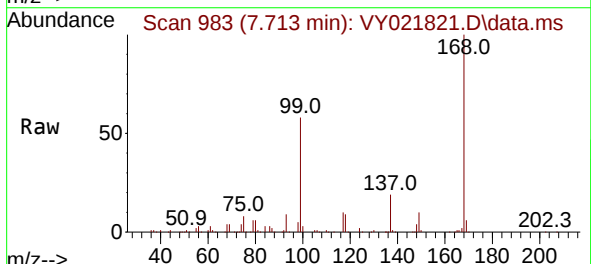
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

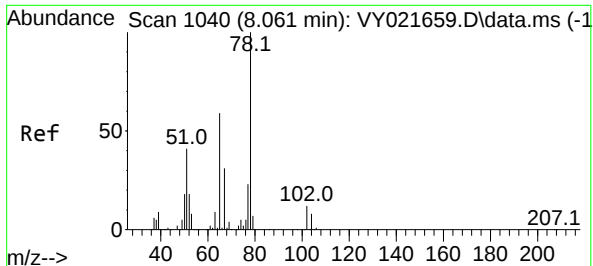
Tgt Ion:	84	Resp:	6213
Ion	Ratio	Lower	Upper
84	100		
49	107.5	102.8	154.2
51	37.3	33.5	50.3
86	49.0	52.0	78.0



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion:	56	Resp:	5220
Ion	Ratio	Lower	Upper
56	100		
69	133.5	26.6	40.0
84	111.9	69.0	103.4





#33

1,2-Dichloroethane-d4

Concen: 54.956 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021821.D

Acq: 09 Apr 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

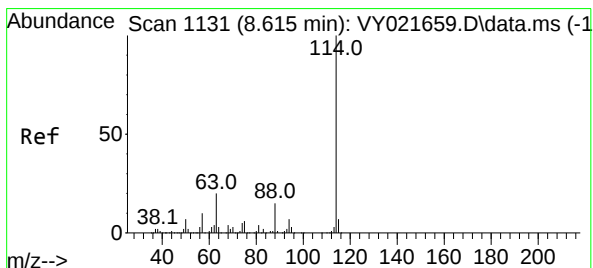
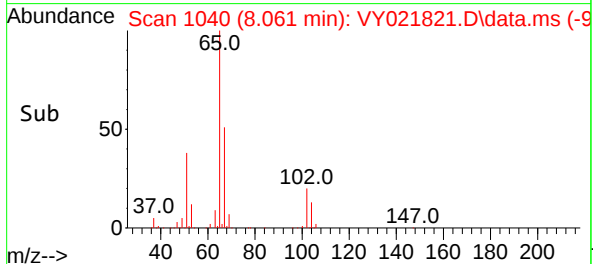
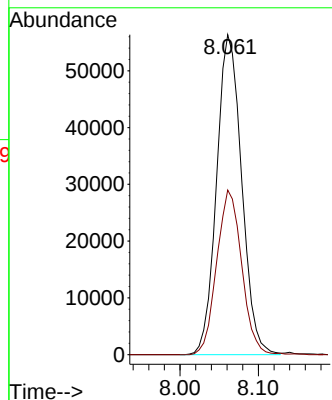
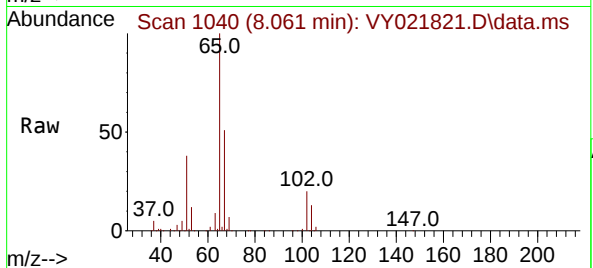
IB-1.5-VOC

Tgt Ion: 65 Resp: 125420

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: VY021821.D

Acq: 09 Apr 2025 16:01

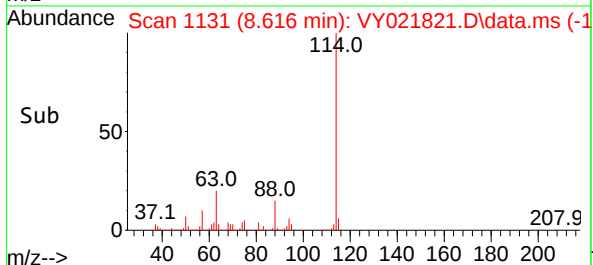
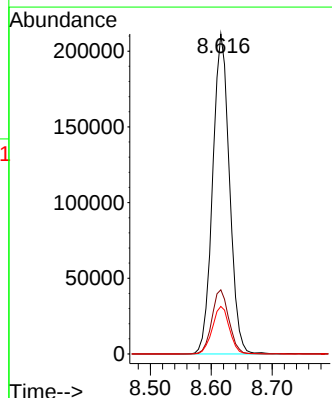
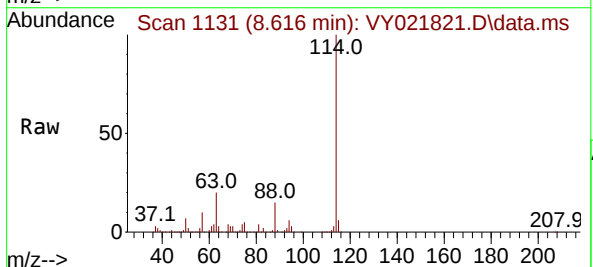
Tgt Ion: 114 Resp: 404581

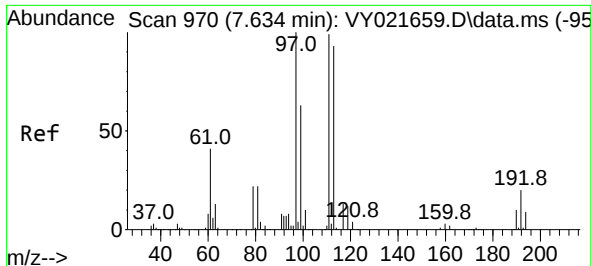
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 14.9 0.0 29.8

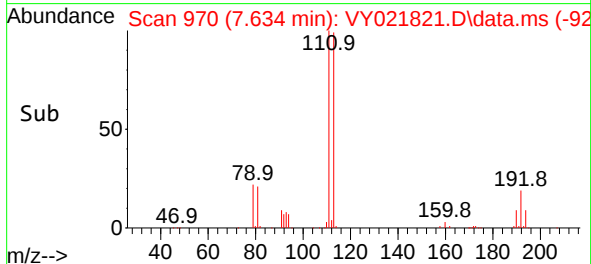
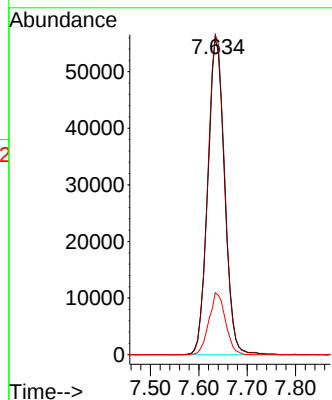
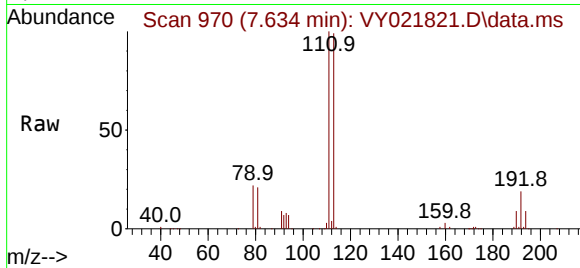




#35
Dibromofluoromethane
Concen: 51.421 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

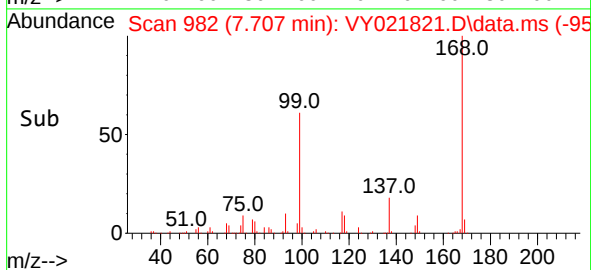
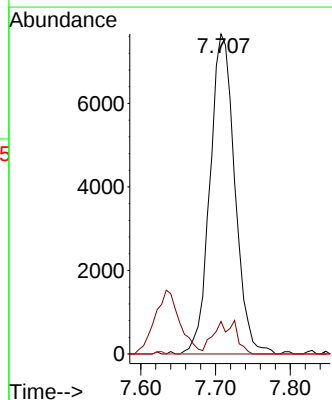
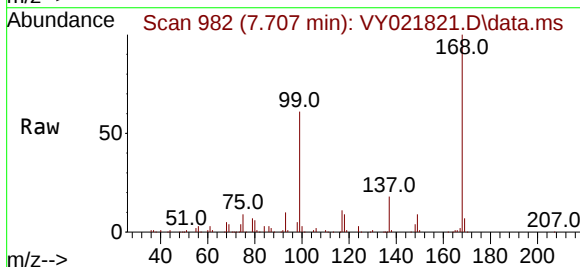
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

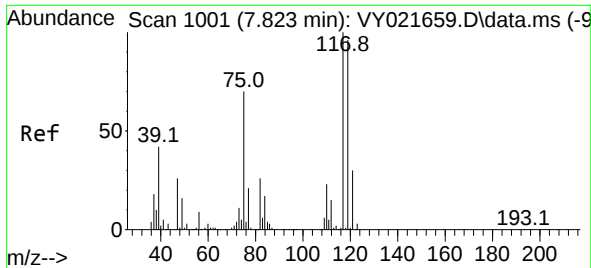
Tgt Ion:113 Resp: 134951
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 19.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.425 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 75 Resp: 17687
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.8 37.2#

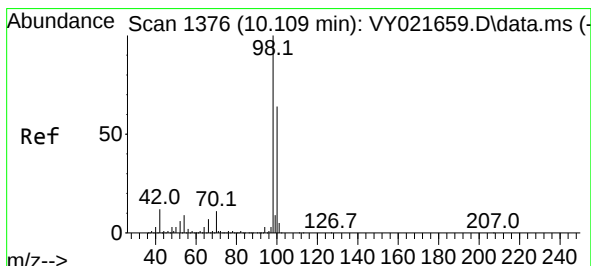
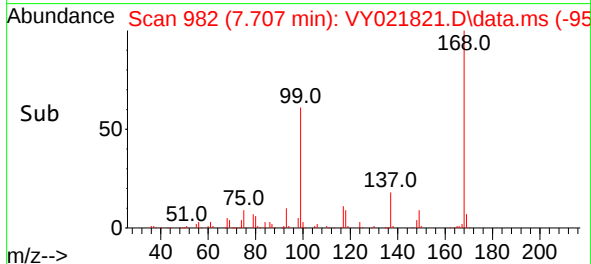
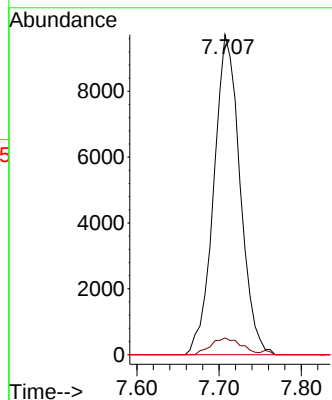
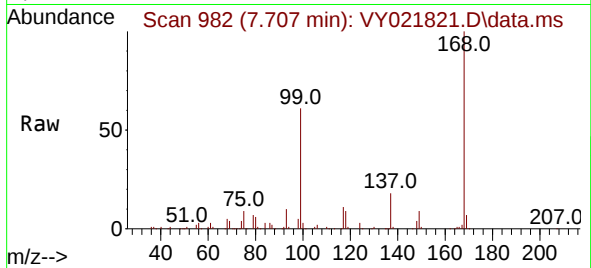




#38
Carbon Tetrachloride
Concen: 4.704 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

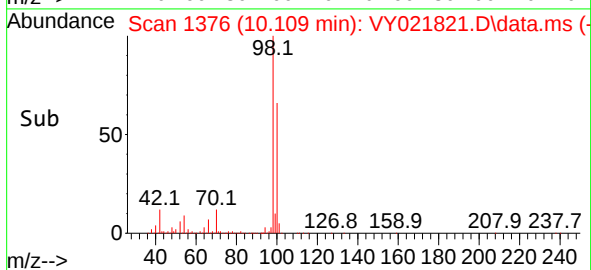
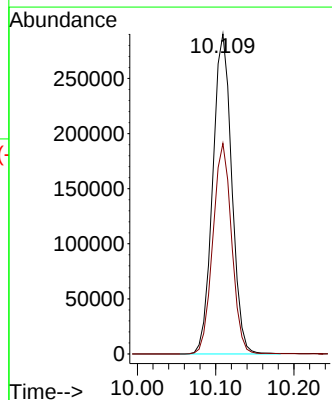
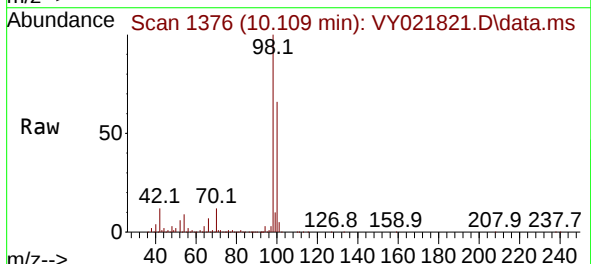
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

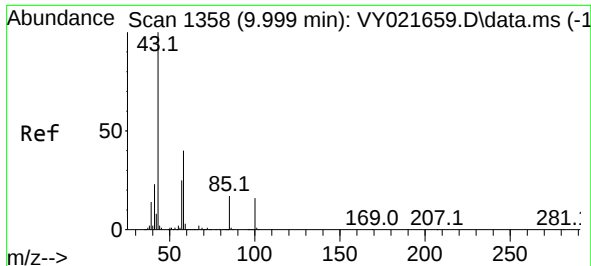
Tgt Ion:117 Resp: 21537
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.002 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 98 Resp: 489249
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

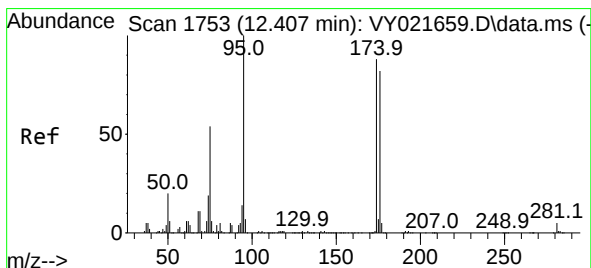
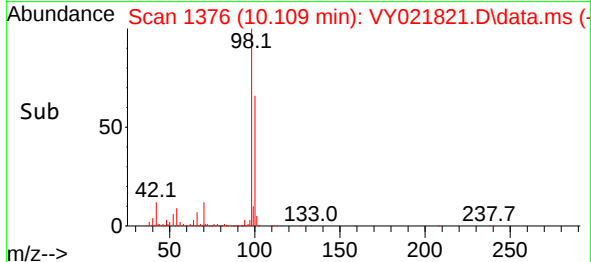
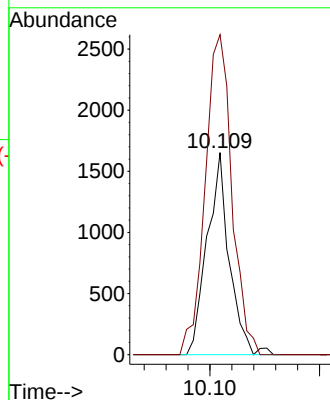
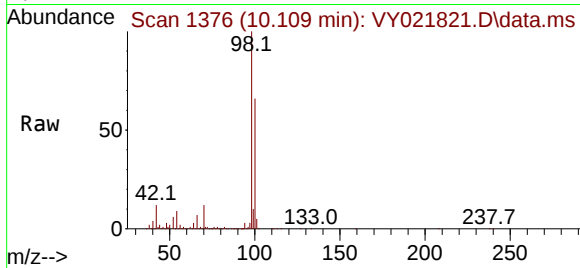




#51
4-Methyl-2-Pentanone
Concen: 1.246 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

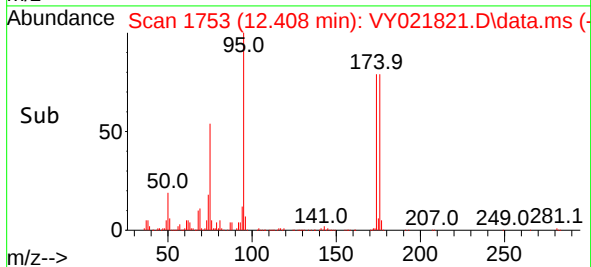
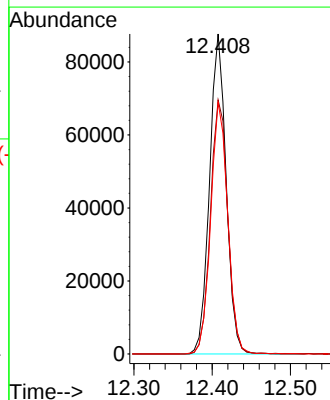
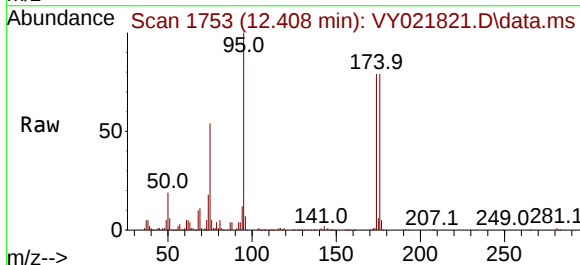
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IB-1.5-VOC

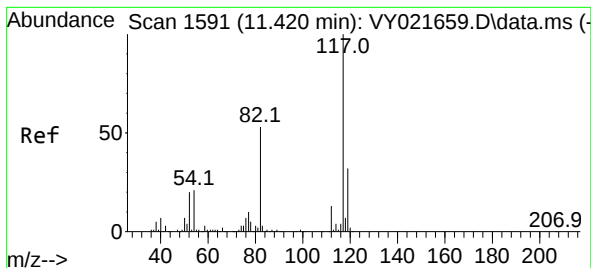
Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
58 190.7 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 38.238 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 95 Resp: 129134
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 80.8 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: VY021821.D

Acq: 09 Apr 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

IB-1.5-VOC

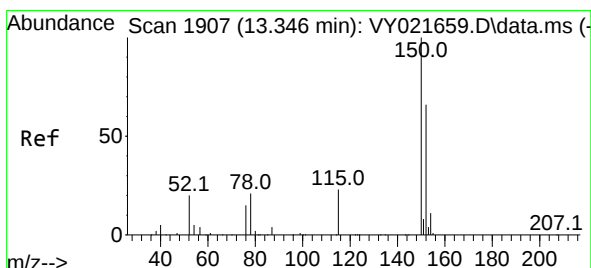
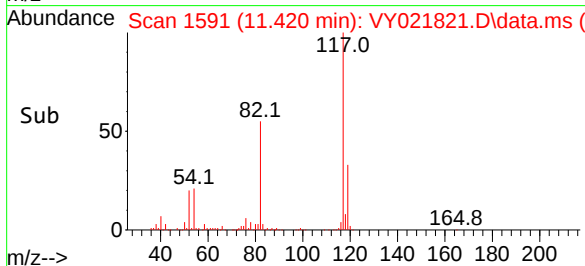
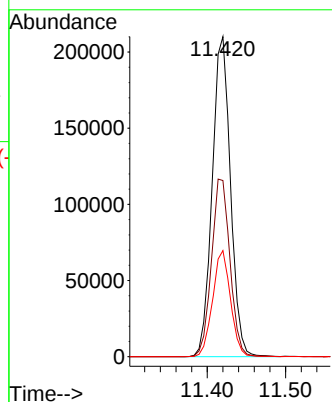
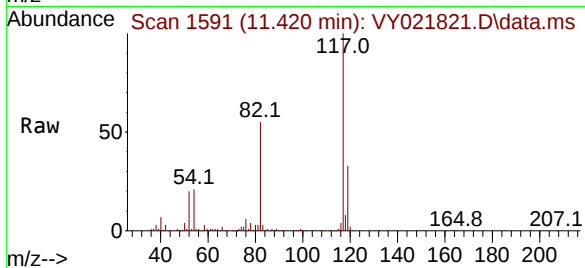
Tgt Ion:117 Resp: 340383

Ion Ratio Lower Upper

117 100

82 55.1 42.8 64.2

119 33.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021821.D

Acq: 09 Apr 2025 16:01

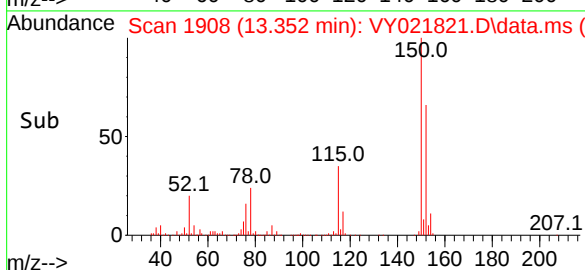
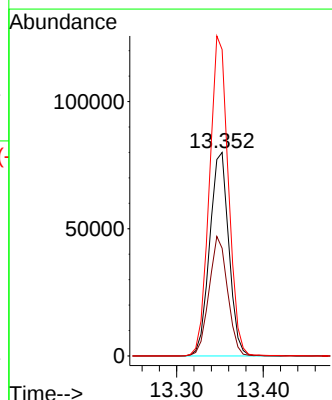
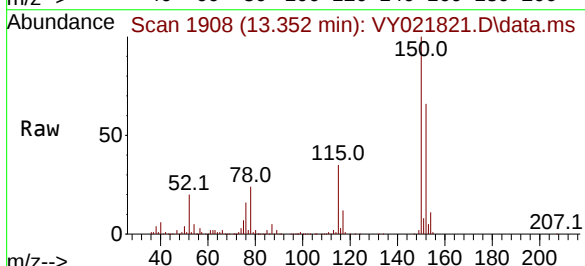
Tgt Ion:152 Resp: 122892

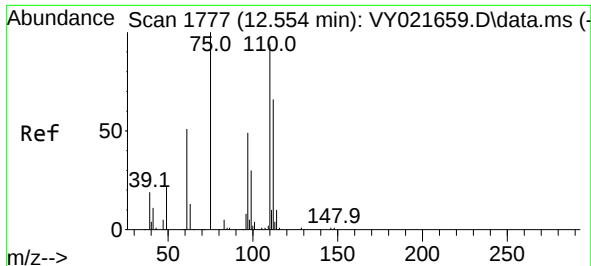
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 155.2 0.0 348.4

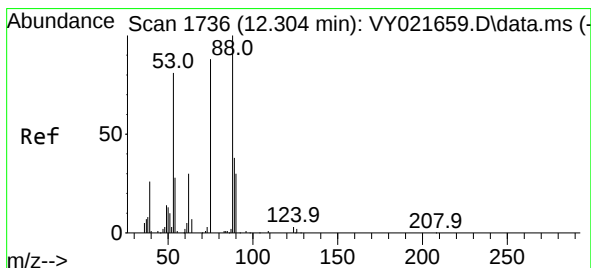
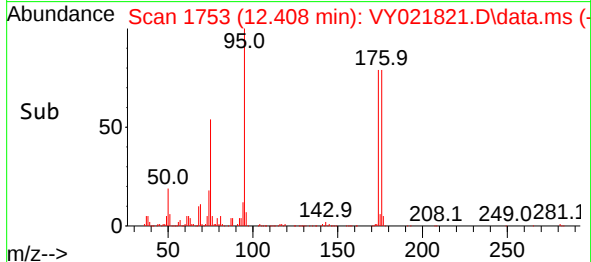
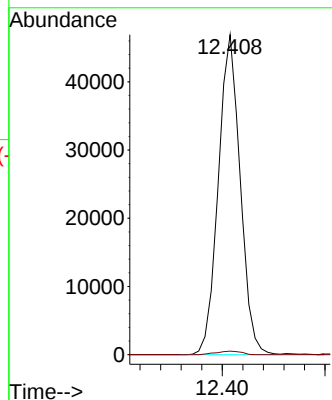
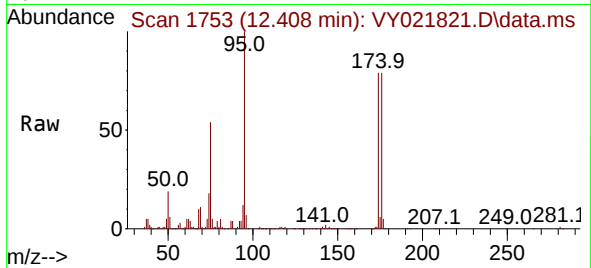




#76
1,2,3-Trichloropropane
Concen: 56.812 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

Tgt Ion: 75 Resp: 69207
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.904 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 75 Resp: 69207
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.2 54.4#

