

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021817.D
 Acq On : 09 Apr 2025 14:27
 Operator : SY/MD
 Sample : Q1740-03
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-20-VOC

Quant Time: Apr 10 01:43:08 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

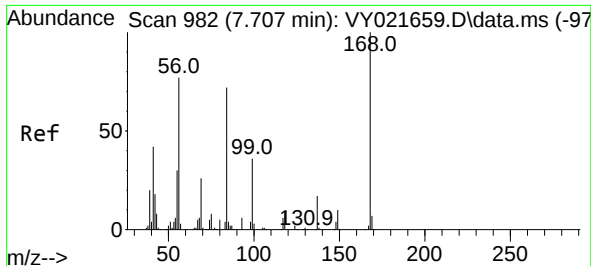
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	215529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	410991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132796	56.867	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.740%	
35) Dibromofluoromethane	7.634	113	139688	52.396	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.800%	
50) Toluene-d8	10.109	98	502382	49.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.408	95	136420	39.765	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1346	2.816	ug/l	92
20) Methylene Chloride	4.616	84	3760	Below Cal	#	89
31) Cyclohexane	7.713	56	5245	1.273	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	18230	4.489	ug/l #	50
38) Carbon Tetrachloride	7.713	117	22731	4.887	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2407	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	72938	56.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	72938	129.266	ug/l #	12

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

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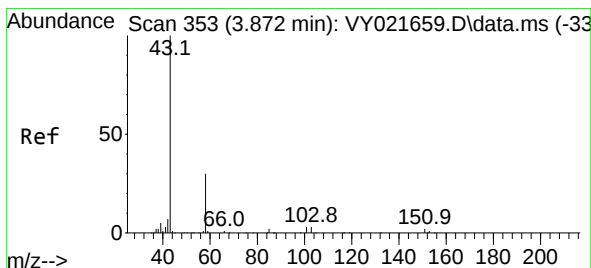
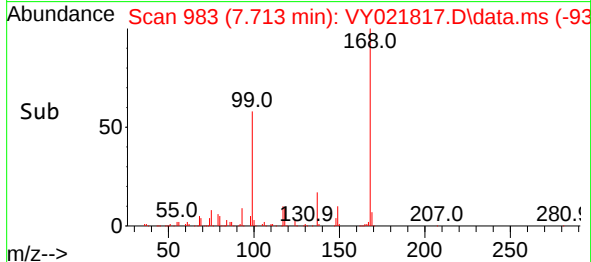
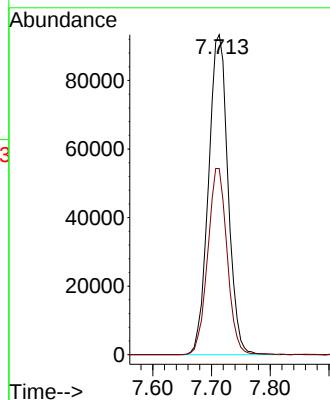
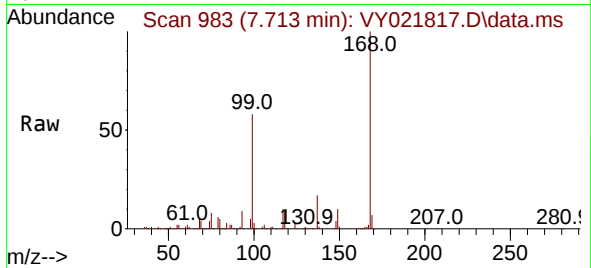




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

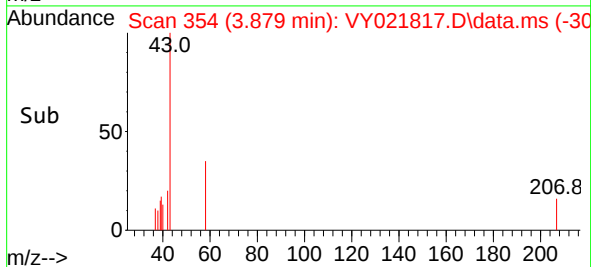
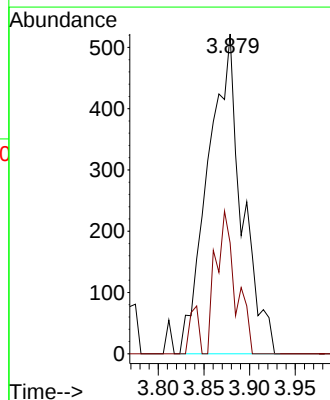
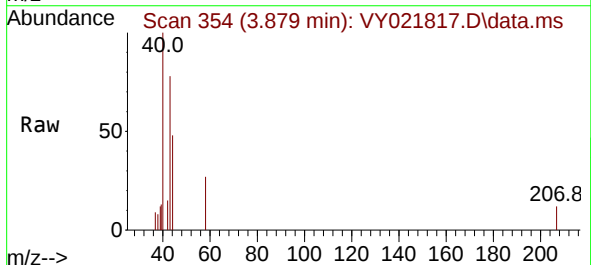
Instrument :
MSVOA_Y
ClientSampleId :
TP-20-VOC

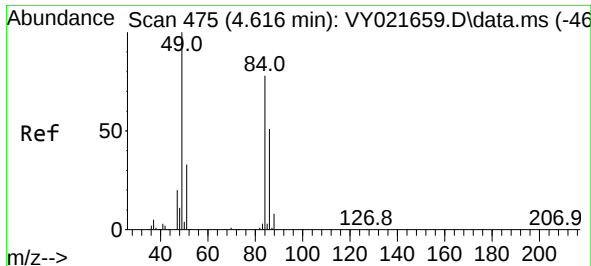
Tgt Ion:168 Resp: 215529
Ion Ratio Lower Upper
168 100
99 58.2 46.7 70.1



#16
Acetone
Concen: 2.816 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
58 34.7 24.2 36.4

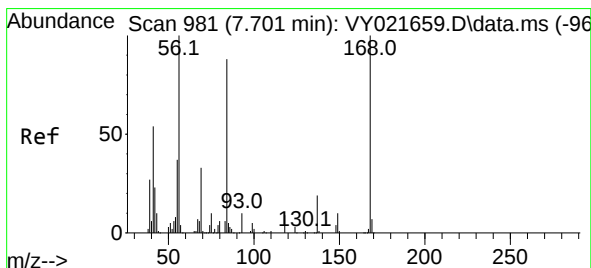
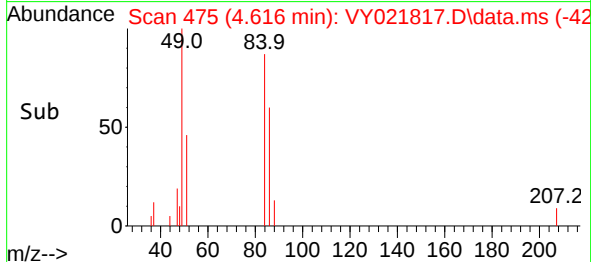
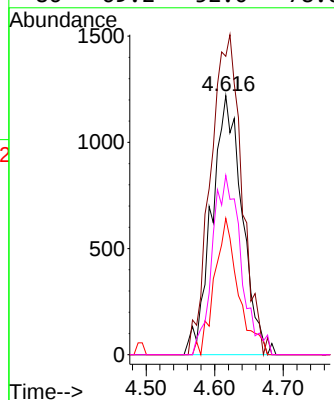
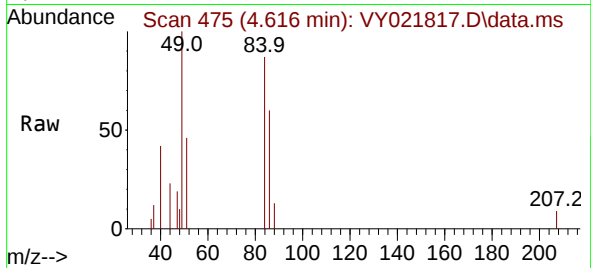




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

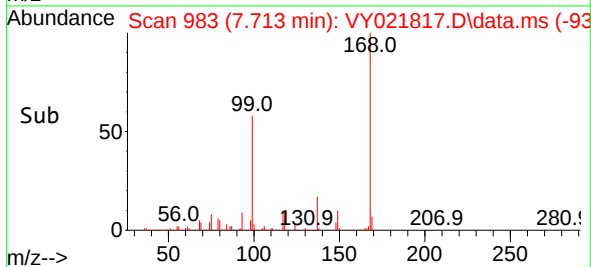
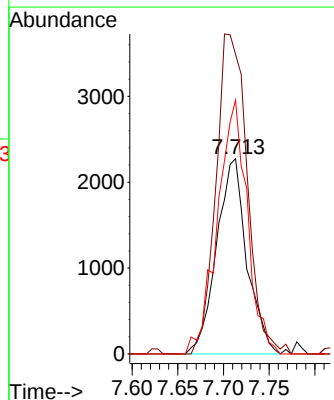
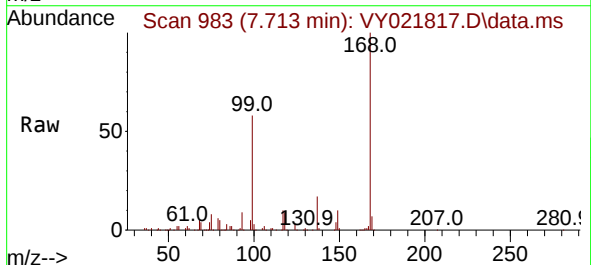
Instrument :
MSVOA_Y
ClientSampleId :
TP-20-VOC

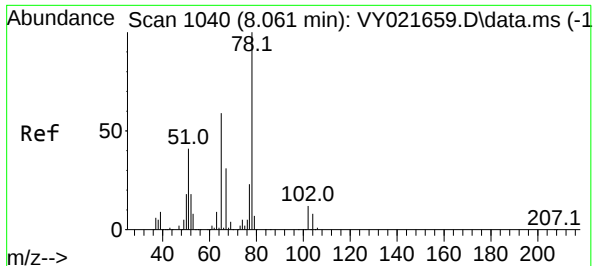
Tgt Ion:	84	Resp:	3760
Ion	Ratio	Lower	Upper
84	100		
49	115.2	102.8	154.2
51	52.6	33.5	50.3#
86	69.2	52.0	78.0



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

Tgt Ion:	56	Resp:	5245
Ion	Ratio	Lower	Upper
56	100		
69	153.5	26.6	40.0#
84	130.0	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 56.867 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021817.D

Acq: 09 Apr 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

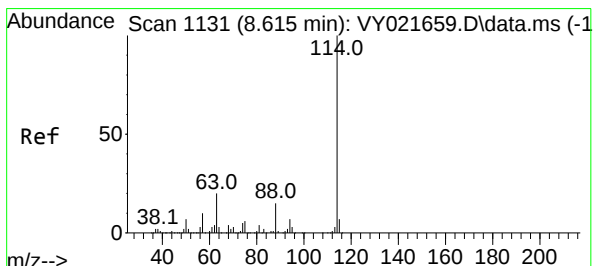
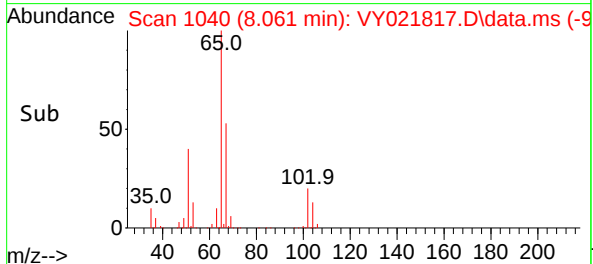
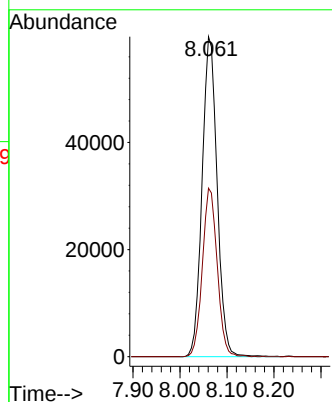
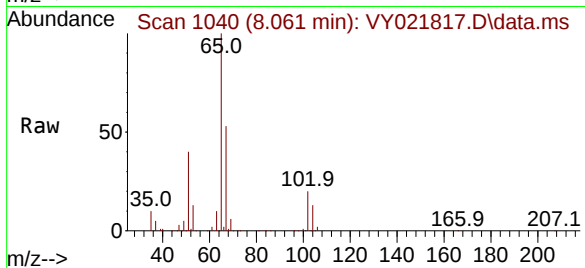
TP-20-VOC

Tgt Ion: 65 Resp: 132796

Ion Ratio Lower Upper

65 100

67 51.8 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: VY021817.D

Acq: 09 Apr 2025 14:27

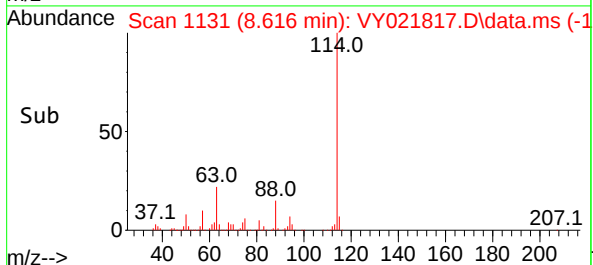
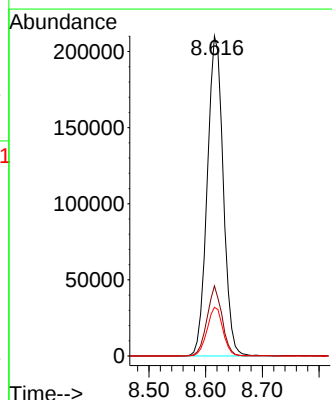
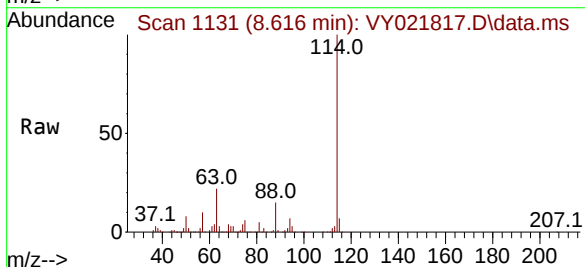
Tgt Ion: 114 Resp: 410991

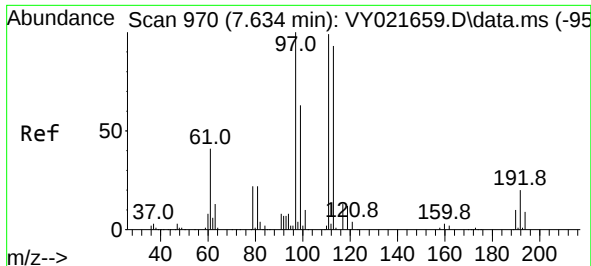
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.2

88 15.2 0.0 29.8

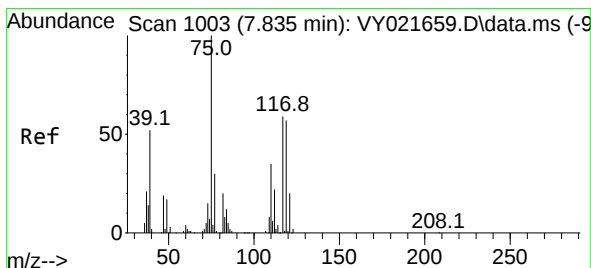
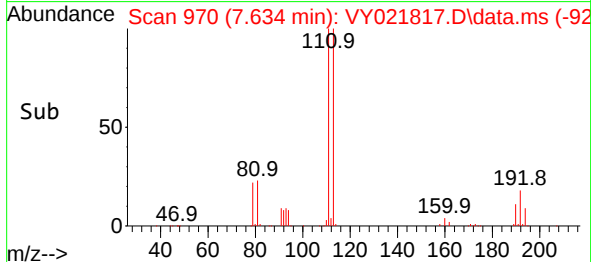
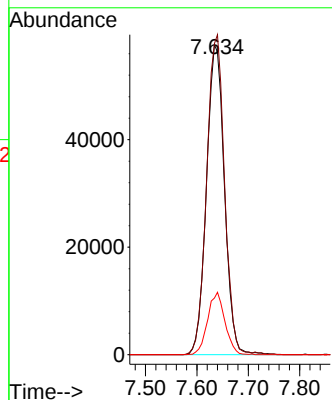
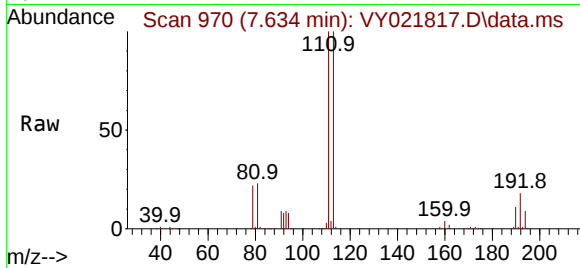




#35
Dibromofluoromethane
Concen: 52.396 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

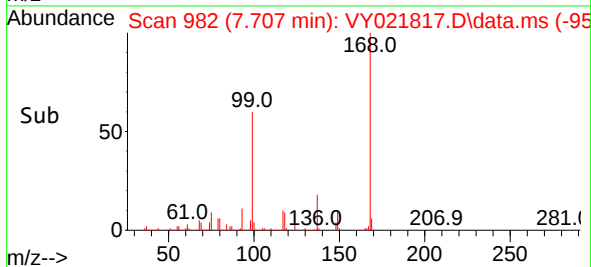
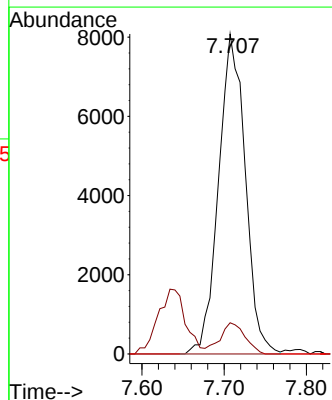
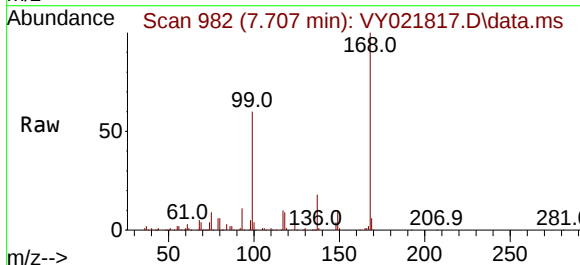
Instrument :
MSVOA_Y
ClientSampleId :
TP-20-VOC

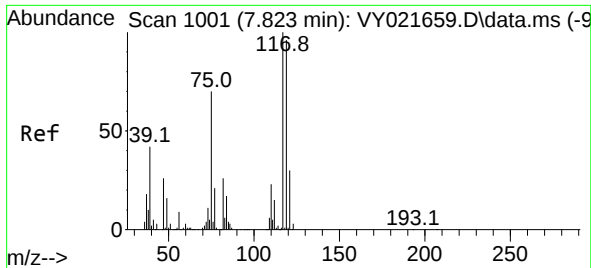
Tgt Ion:113 Resp: 139688
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

Tgt Ion: 75 Resp: 18230
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.8 37.2#

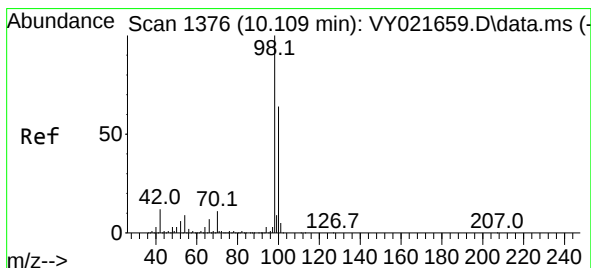
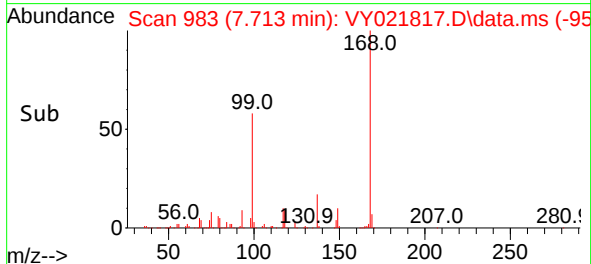
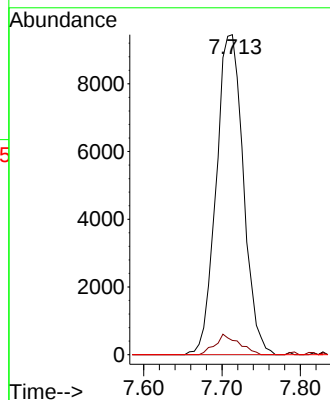
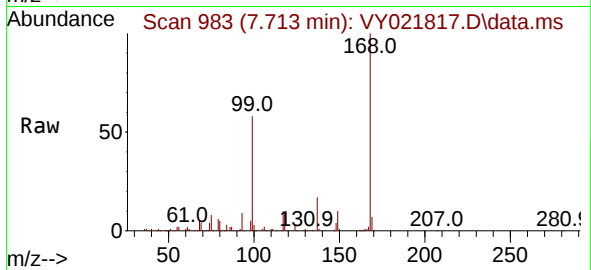




#38
Carbon Tetrachloride
Concen: 4.887 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

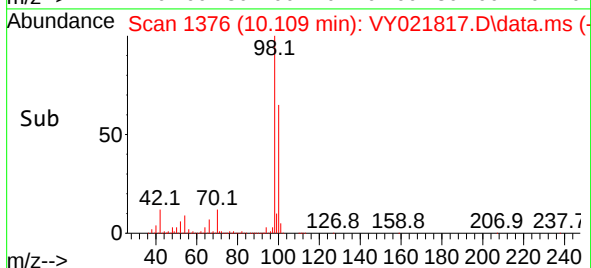
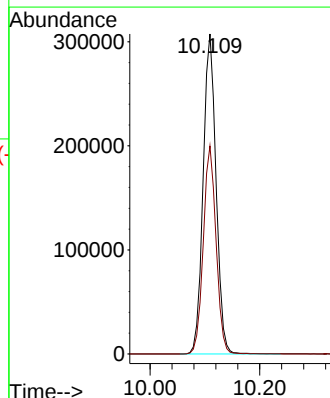
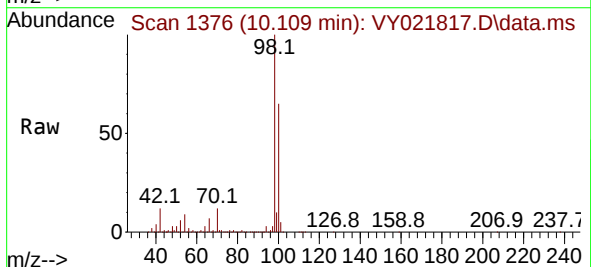
Instrument :
MSVOA_Y
ClientSampleId :
TP-20-VOC

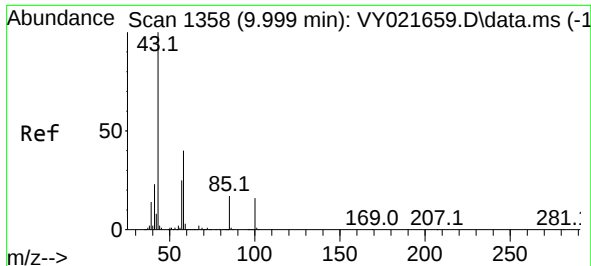
Tgt Ion:117 Resp: 22731
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.533 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

Tgt Ion: 98 Resp: 502382
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.274 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.110 min

Lab File: VY021817.D

Acq: 09 Apr 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

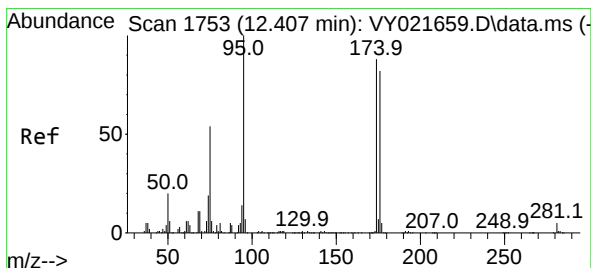
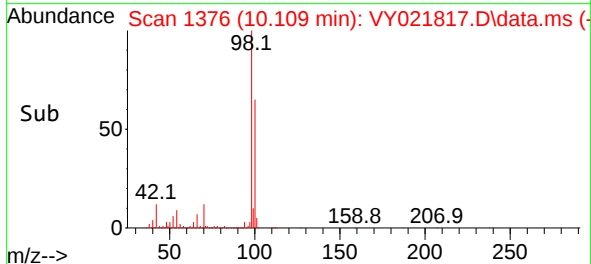
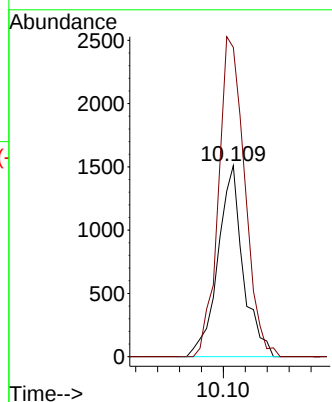
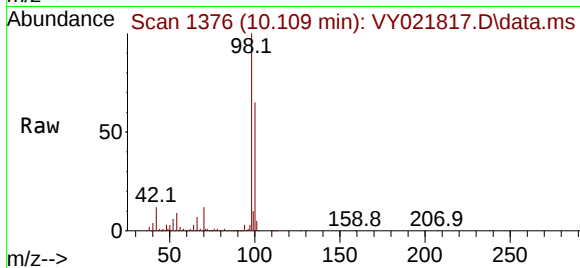
TP-20-VOC

Tgt Ion: 43 Resp: 2407

Ion Ratio Lower Upper

43 100

58 175.0 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 39.765 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021817.D

Acq: 09 Apr 2025 14:27

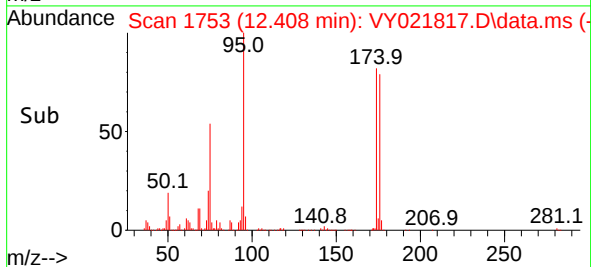
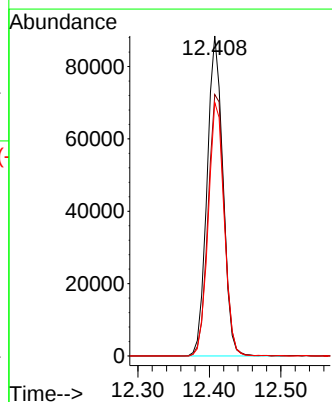
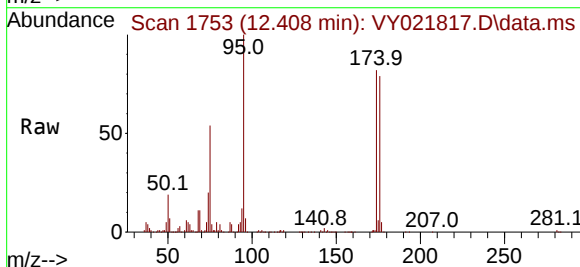
Tgt Ion: 95 Resp: 136420

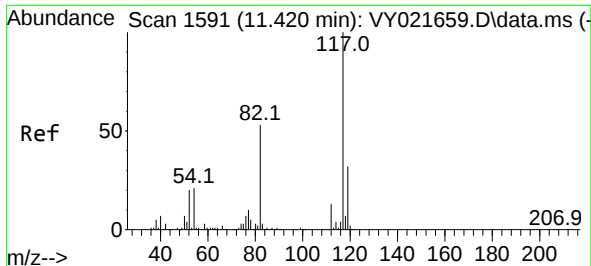
Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.8

176 79.3 0.0 162.0

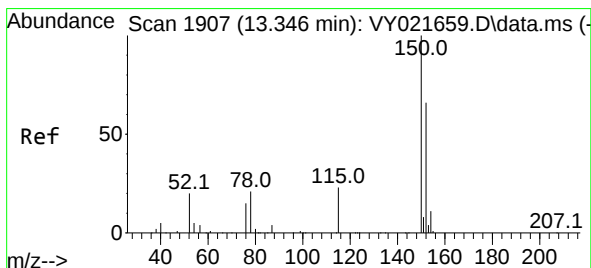
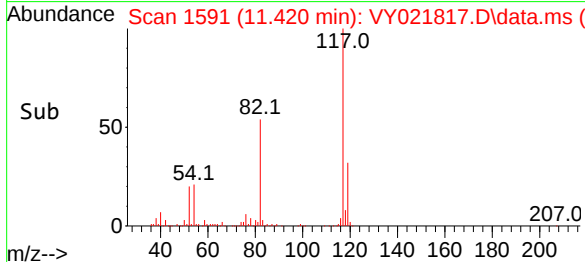
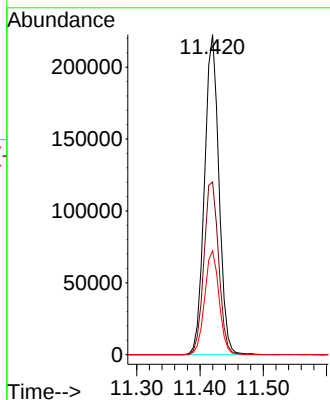
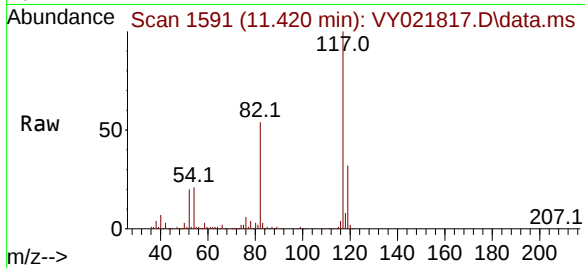




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

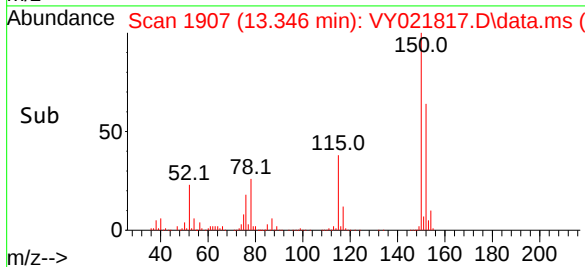
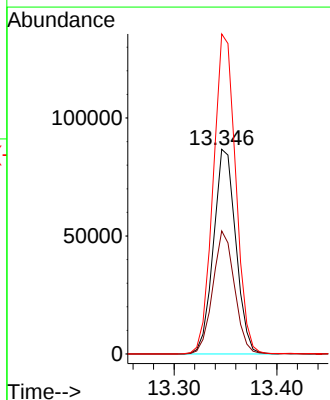
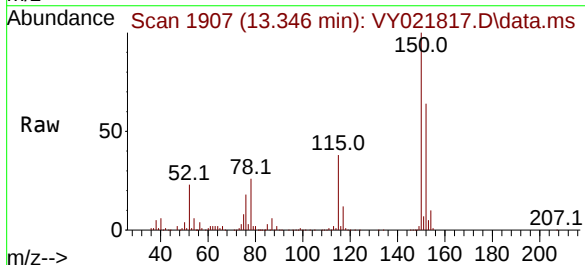
Instrument :
MSVOA_Y
ClientSampleId :
TP-20-VOC

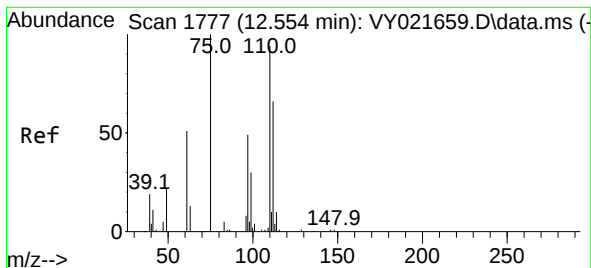
Tgt Ion:117 Resp: 353842
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021817.D
Acq: 09 Apr 2025 14:27

Tgt Ion:152 Resp: 131159
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 156.9 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 56.101 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021817.D

Acq: 09 Apr 2025 14:27

Instrument :

MSVOA_Y

ClientSampleId :

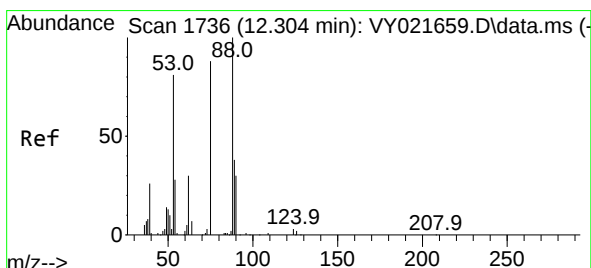
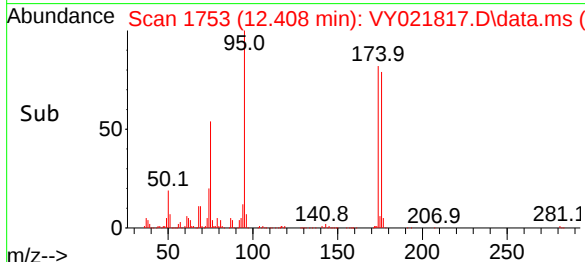
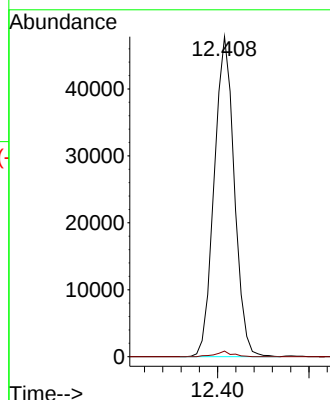
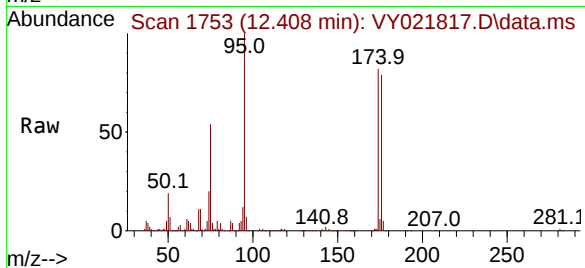
TP-20-VOC

Tgt Ion: 75 Resp: 72938

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.266 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021817.D

Acq: 09 Apr 2025 14:27

Tgt Ion: 75 Resp: 72938

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.1 36.2 54.4#

