

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021838.D
 Acq On : 10 Apr 2025 15:13
 Operator : SY/MD
 Sample : Q1749-03
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14-VOC

Quant Time: Apr 11 01:51:20 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)

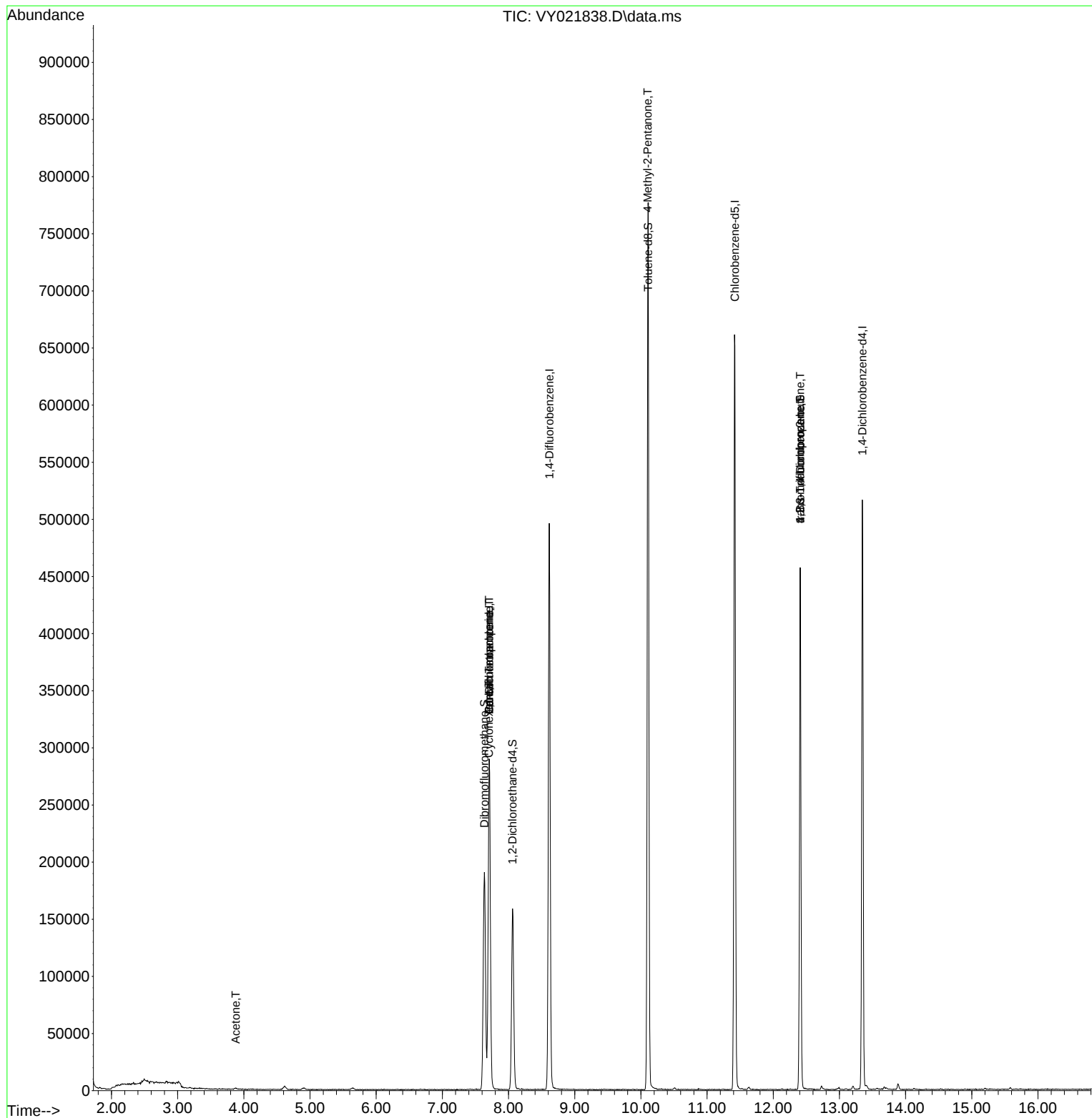
Internal Standards						
1) Pentafluorobenzene	7.707	168	216628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	400722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126403	53.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.634	113	132254	50.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.109	98	485704	49.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.240%	
62) 4-Bromofluorobenzene	12.408	95	132243	39.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1231	2.563	ug/l #	79
20) Methylene Chloride	4.622	84	1904	Below Cal	#	78
31) Cyclohexane	7.701	56	5128	1.238	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	18049	4.559	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21753	4.797	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2280	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	70184	55.709	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70184	128.362	ug/l #	12

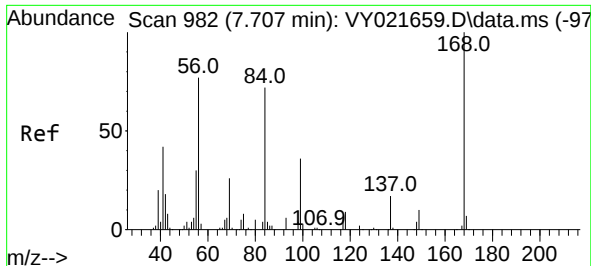
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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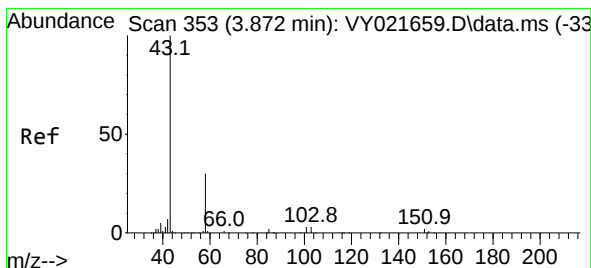
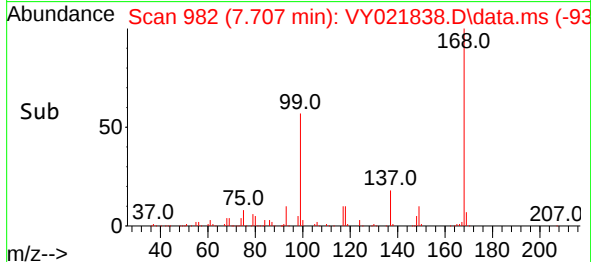
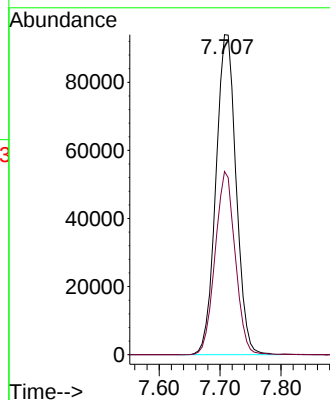
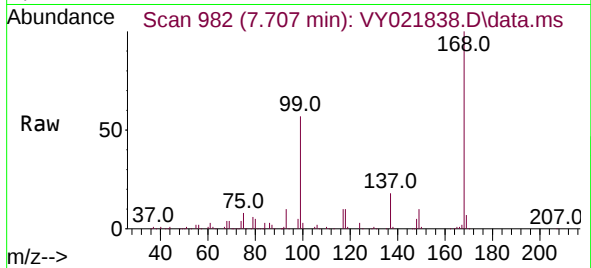




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

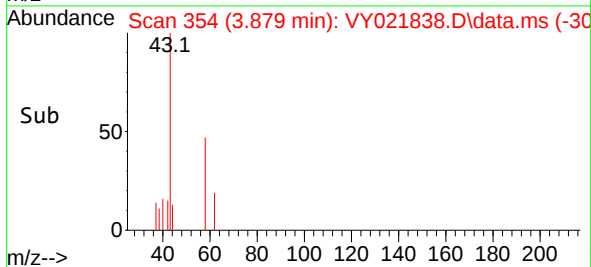
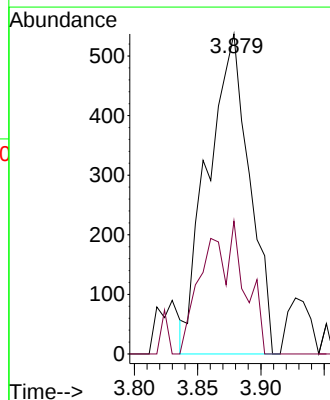
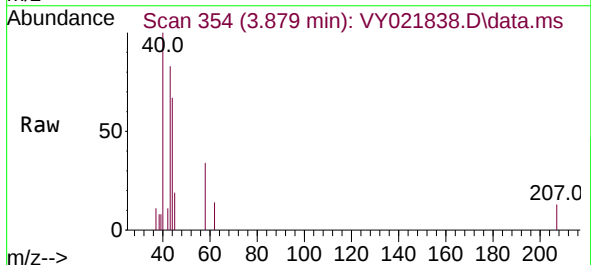
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

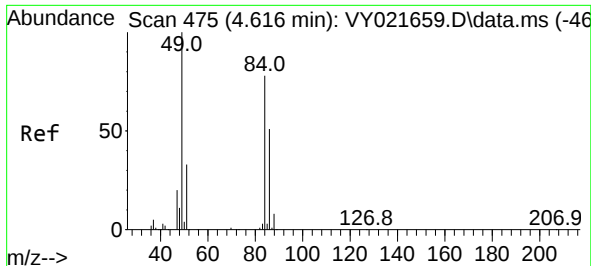
Tgt Ion:168 Resp: 216628
Ion Ratio Lower Upper
168 100
99 57.2 46.7 70.1



#16
Acetone
Concen: 2.563 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

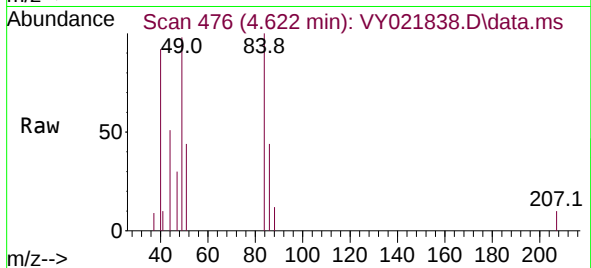
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 41.5 24.2 36.4#



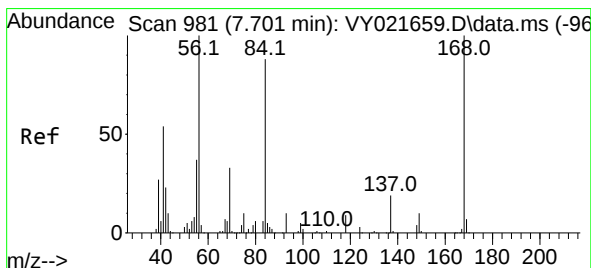
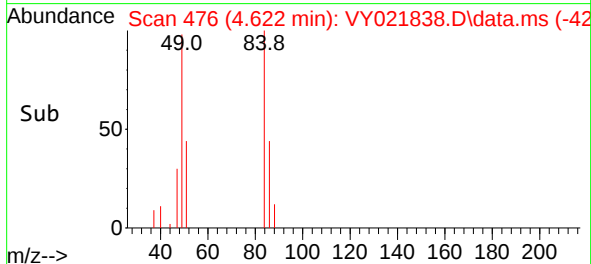
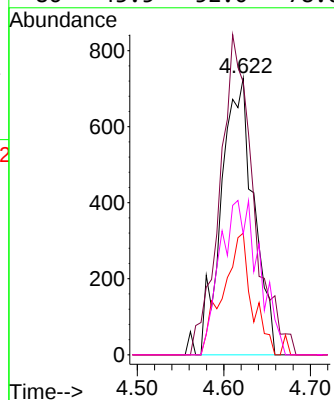


#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

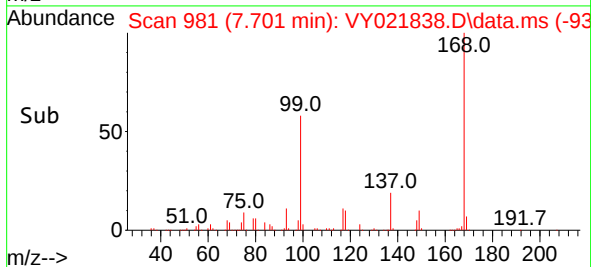
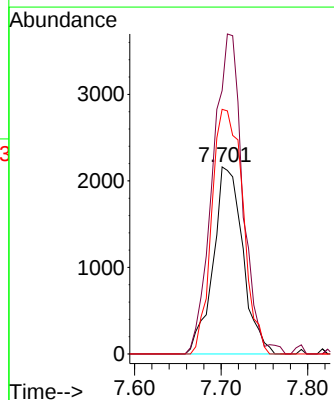
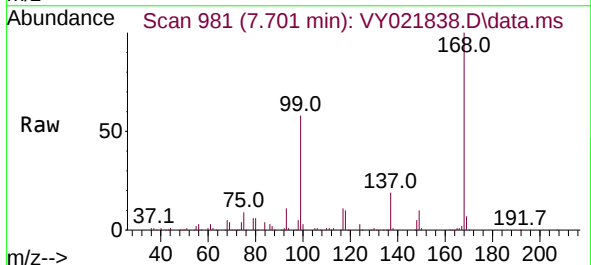


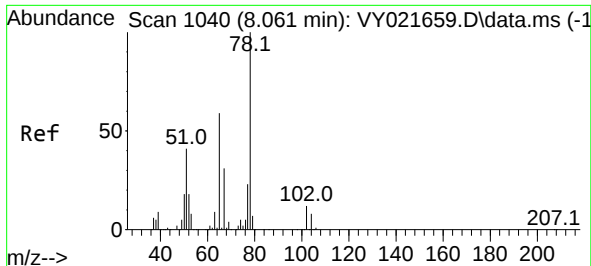
Tgt Ion:	84	Resp:	1904
Ion	Ratio	Lower	Upper
84	100		
49	98.5	102.8	154.2#
51	44.0	33.5	50.3
86	43.5	52.0	78.0#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Tgt Ion:	56	Resp:	5128
Ion	Ratio	Lower	Upper
56	100		
69	140.8	26.6	40.0#
84	130.9	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 53.855 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021838.D

Acq: 10 Apr 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

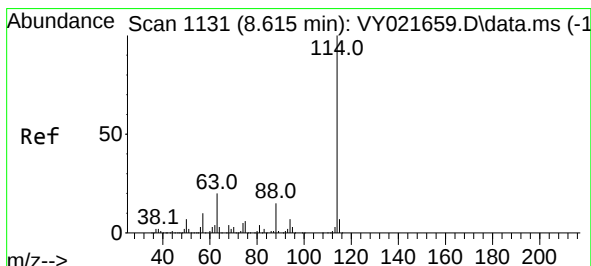
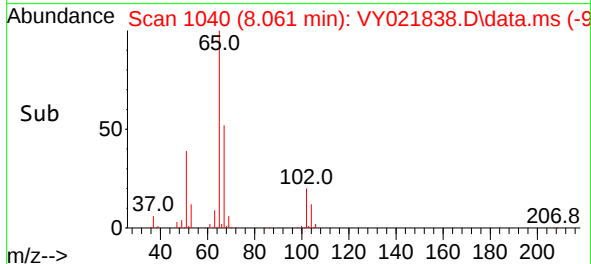
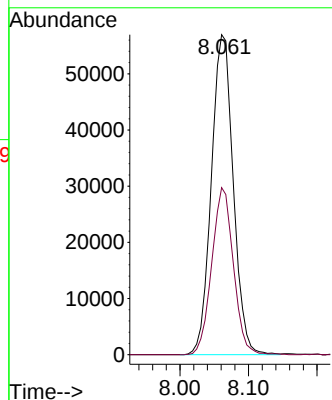
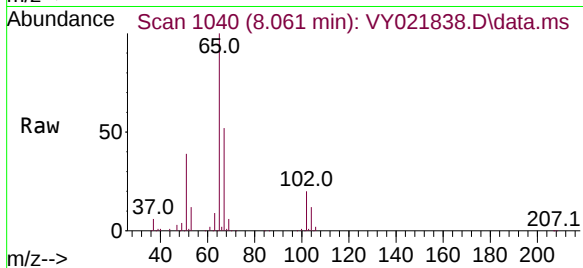
TP-14-VOC

Tgt Ion: 65 Resp: 126403

Ion Ratio Lower Upper

65 100

67 51.5 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: VY021838.D

Acq: 10 Apr 2025 15:13

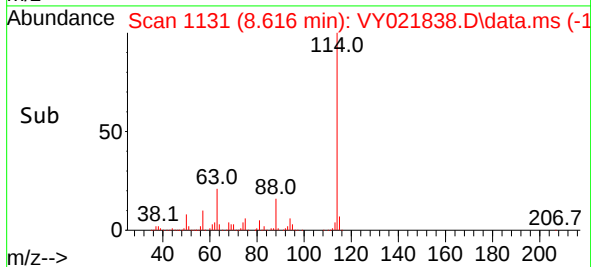
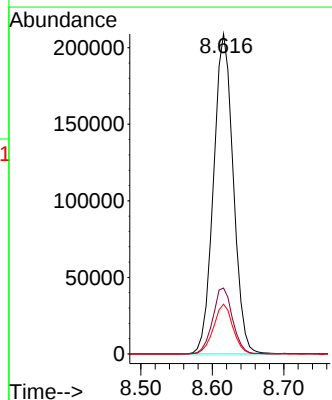
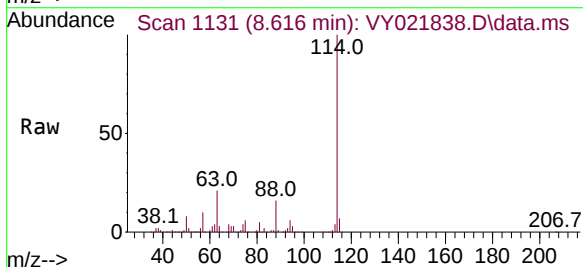
Tgt Ion: 114 Resp: 400722

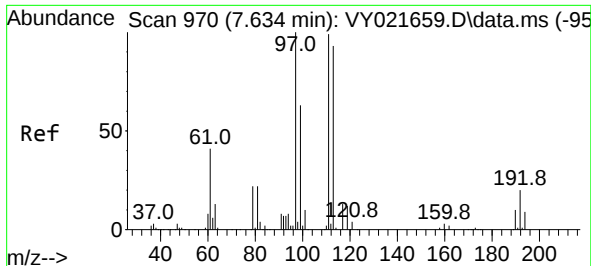
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.6 0.0 29.8

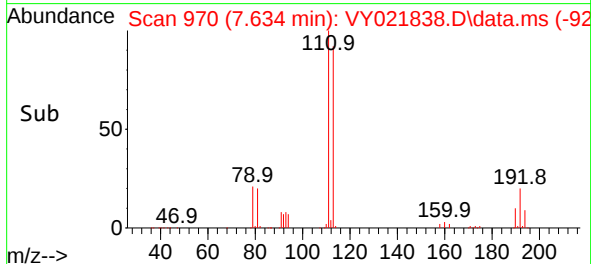
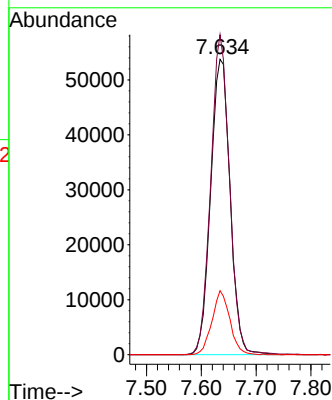
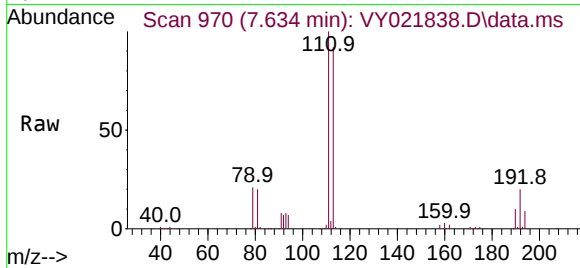




#35
Dibromofluoromethane
Concen: 50.878 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

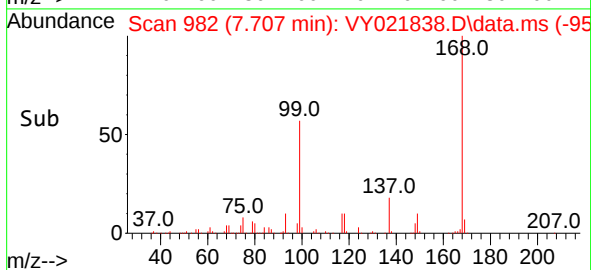
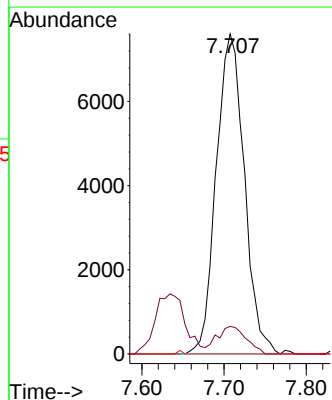
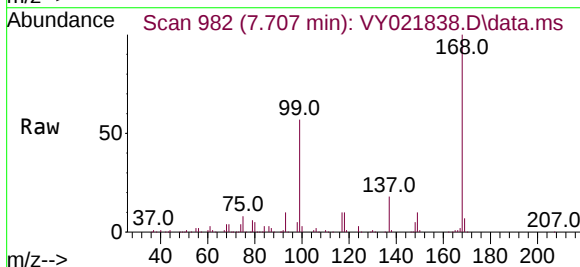
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

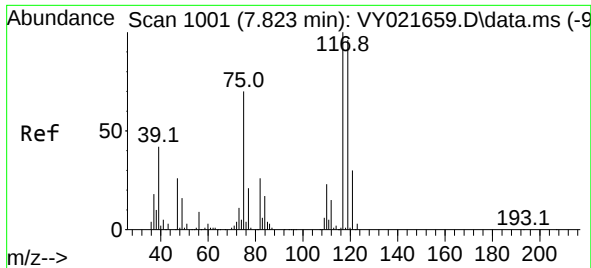
Tgt Ion:113 Resp: 132254
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Tgt Ion: 75 Resp: 18049
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.8 37.2#

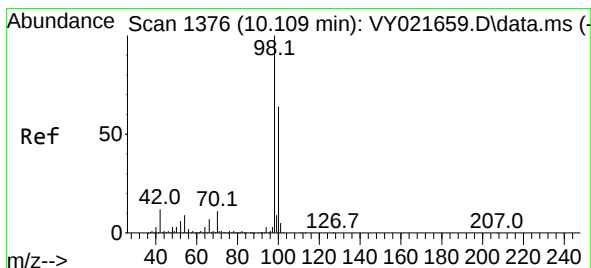
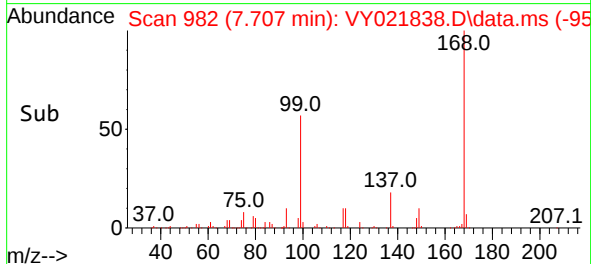
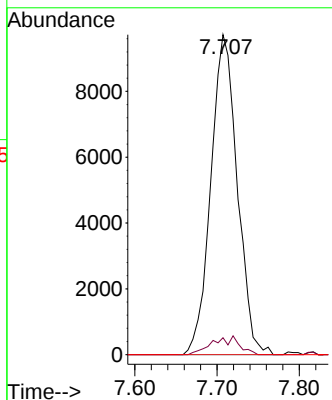
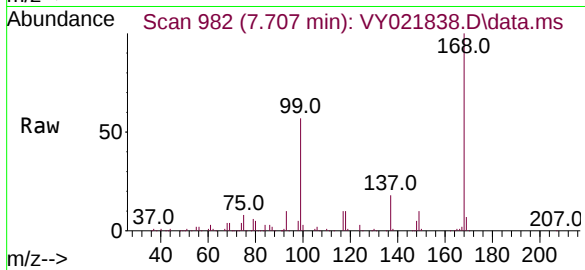




#38
Carbon Tetrachloride
Concen: 4.797 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

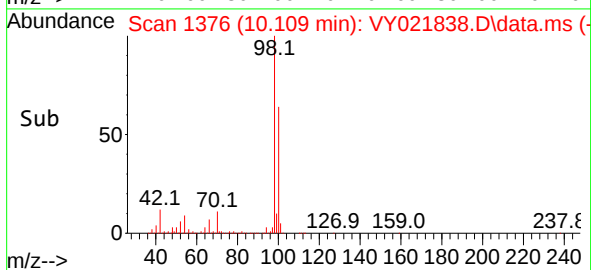
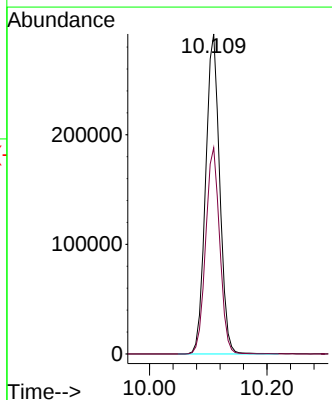
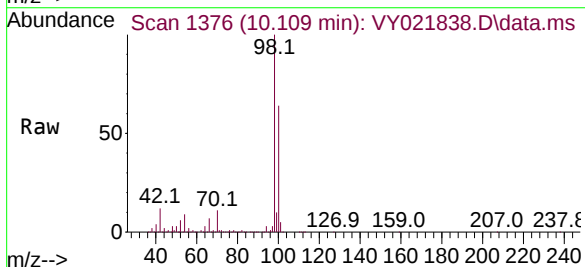
Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

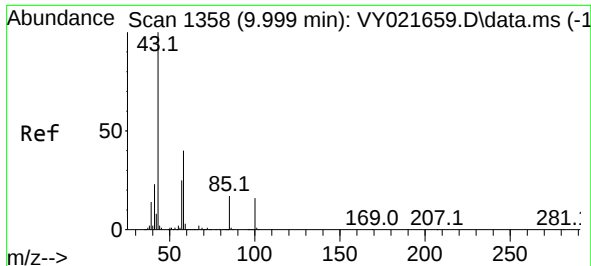
Tgt Ion:117 Resp: 21753
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Tgt Ion: 98 Resp: 485704
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

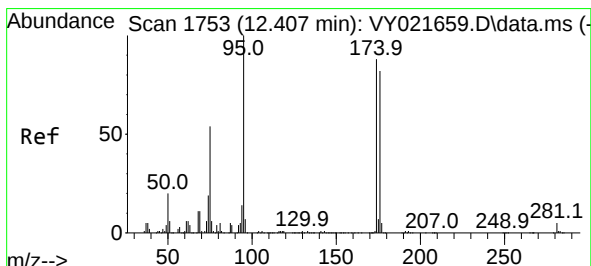
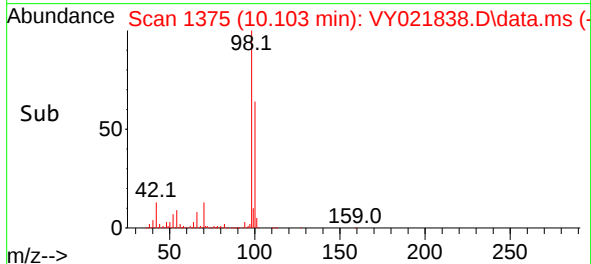
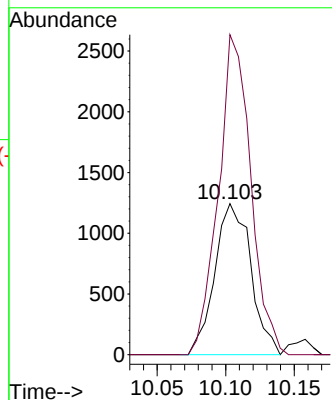
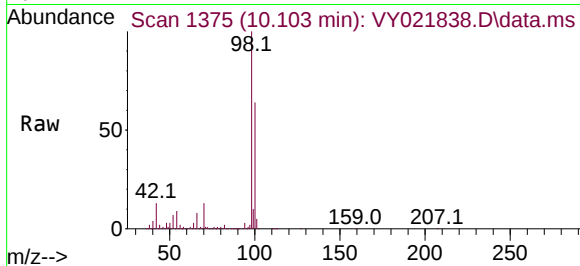




#51
4-Methyl-2-Pentanone
Concen: 1.237 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

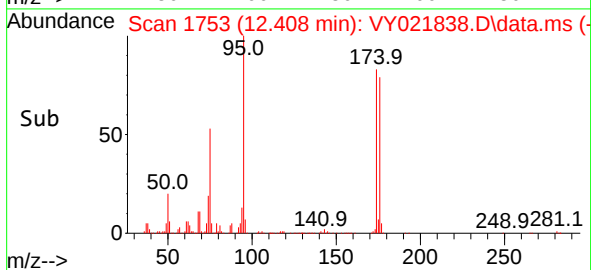
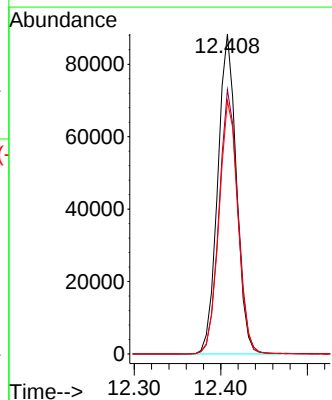
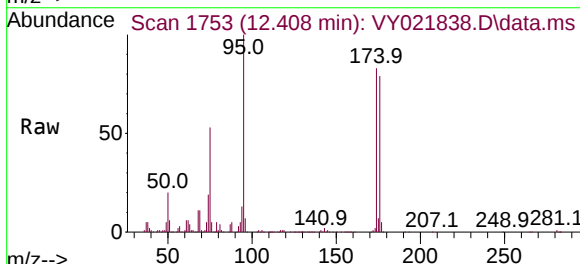
Instrument :
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TP-14-VOC

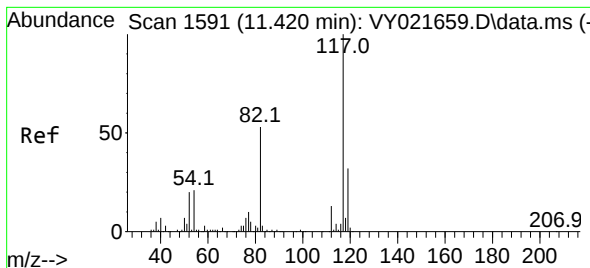
Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
58 190.1 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 39.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Tgt Ion: 95 Resp: 132243
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.8
176 80.4 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: VY021838.D

Acq: 10 Apr 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-14-VOC

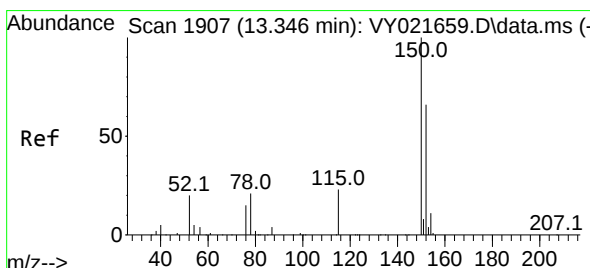
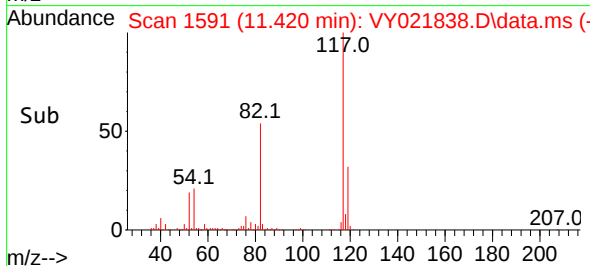
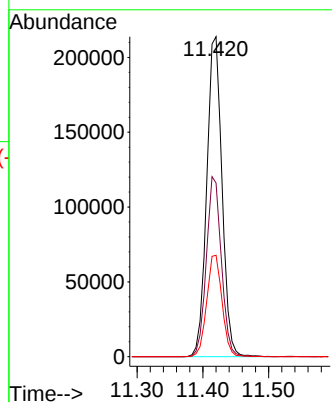
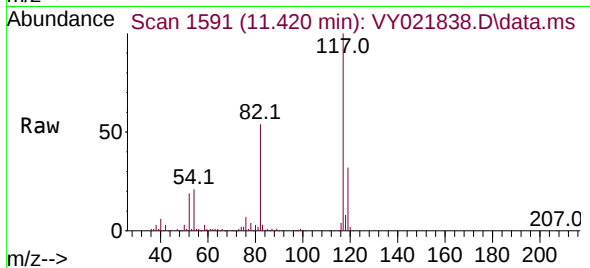
Tgt Ion:117 Resp: 345662

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

119 31.7 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: VY021838.D

Acq: 10 Apr 2025 15:13

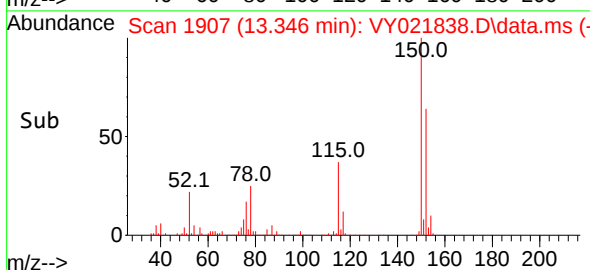
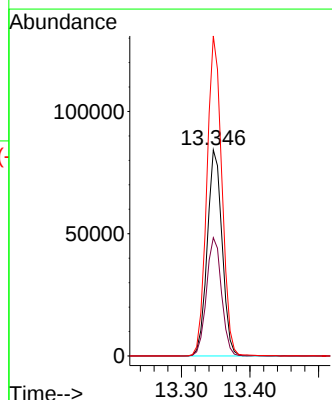
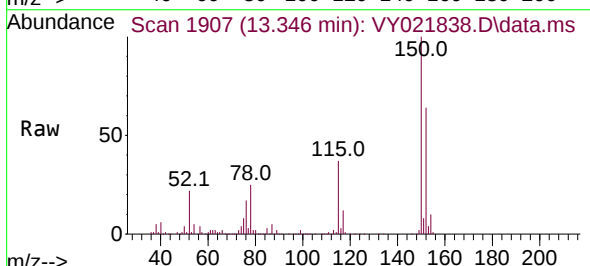
Tgt Ion:152 Resp: 127095

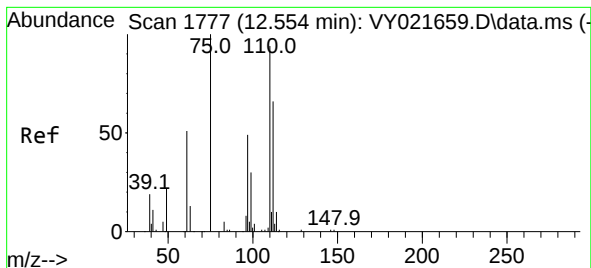
Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.7 0.0 348.4

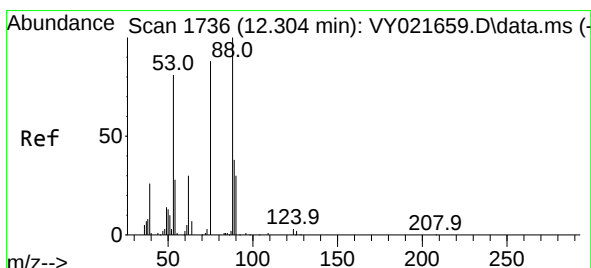
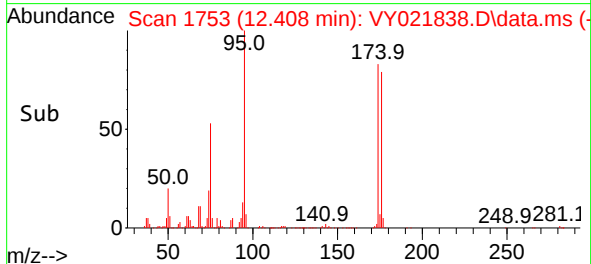
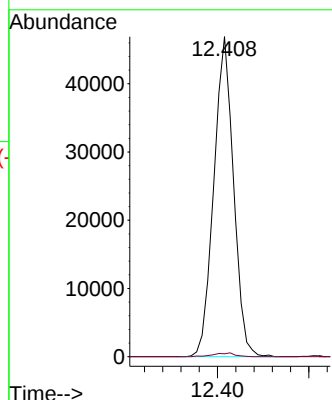
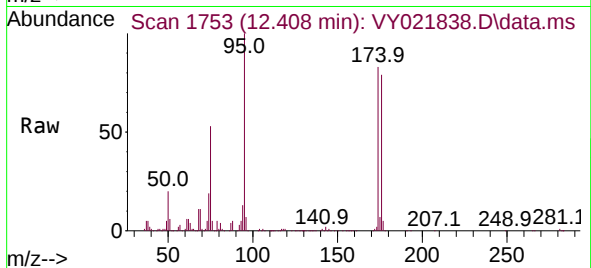




#76
1,2,3-Trichloropropane
Concen: 55.709 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Instrument :
MSVOA_Y
ClientSampleId :
TP-14-VOC

Tgt Ion: 75 Resp: 70184
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.362 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021838.D
Acq: 10 Apr 2025 15:13

Tgt Ion: 75 Resp: 70184
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.2 54.4#

