

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021847.D
 Acq On : 10 Apr 2025 18:44
 Operator : SY/MD
 Sample : Q1760-03
 Misc : 6.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-VOC

Quant Time: Apr 11 01:53:10 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)

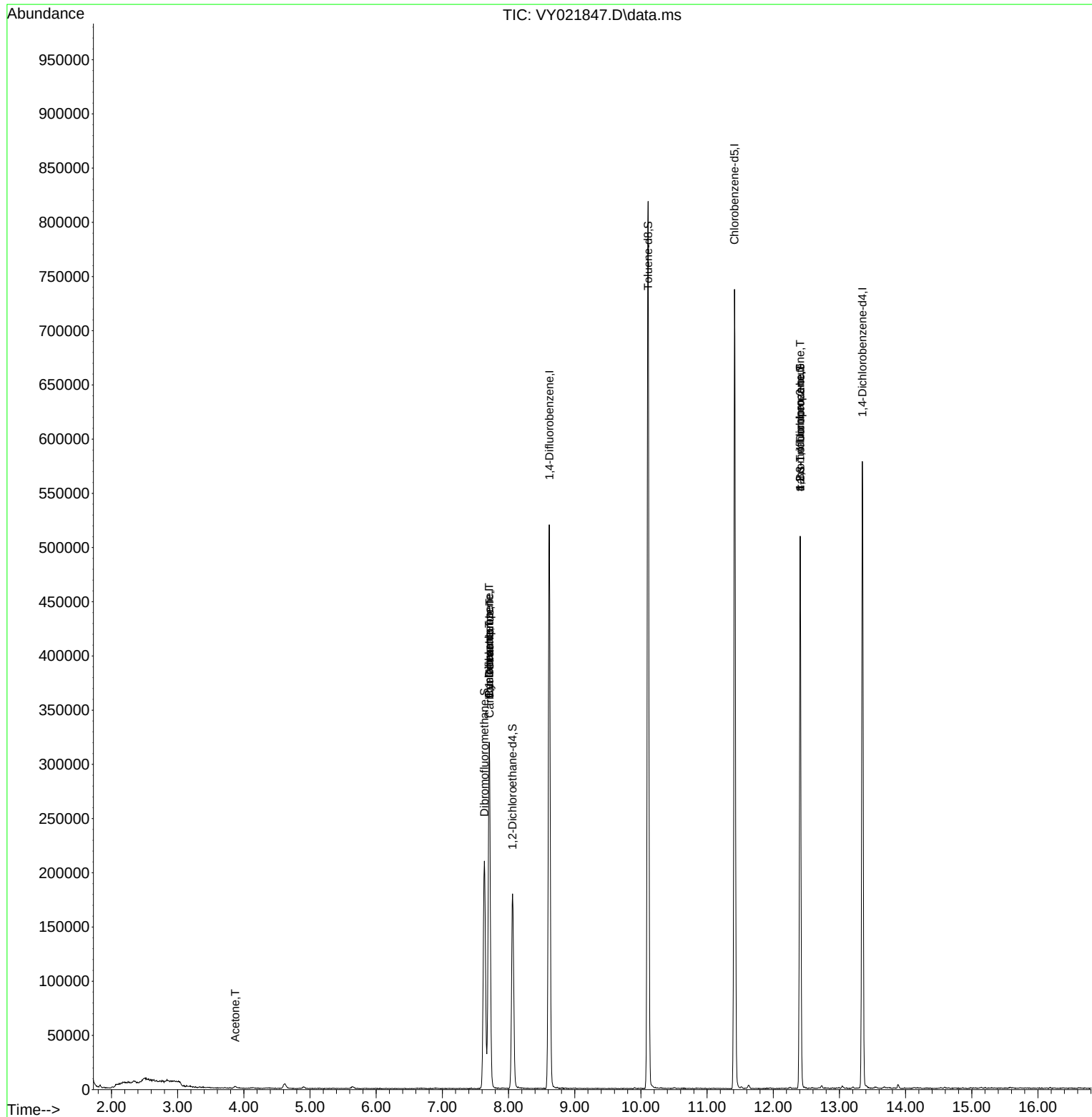
Internal Standards						
1) Pentafluorobenzene	7.707	168	237207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143136	55.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.380%	
35) Dibromofluoromethane	7.634	113	149052	53.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.200%	
50) Toluene-d8	10.109	98	522902	48.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	12.408	95	148163	41.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.040%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2693	5.120	ug/l #	83
20) Methylene Chloride	4.604	84	1588	Below Cal	#	73
31) Cyclohexane	7.707	56	5665	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19645	4.595	ug/l #	51
38) Carbon Tetrachloride	7.713	117	24440	4.991	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	79691	56.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	79691	130.890	ug/l #	12

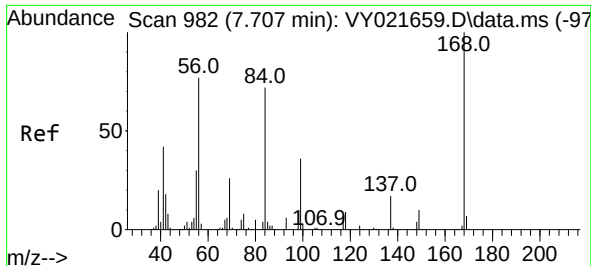
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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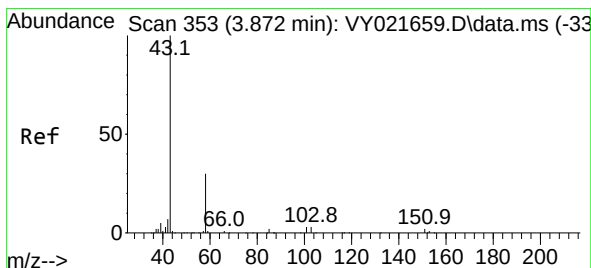
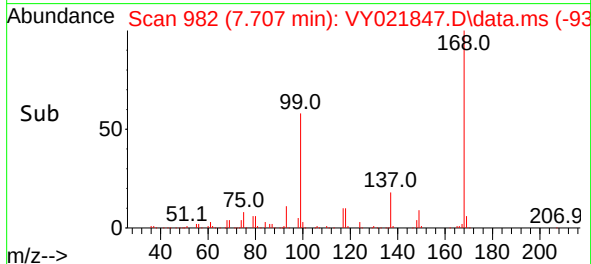
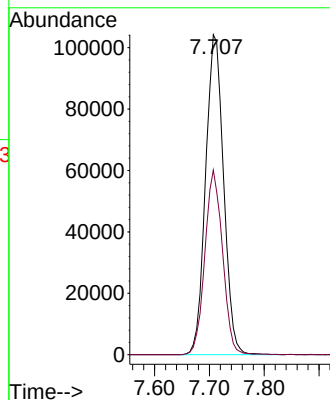
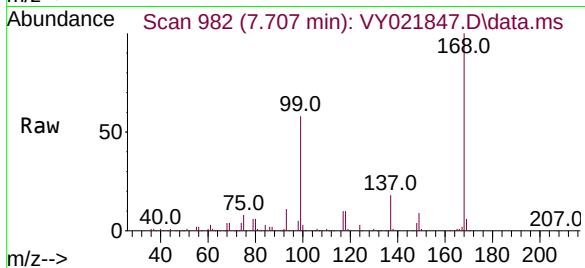




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

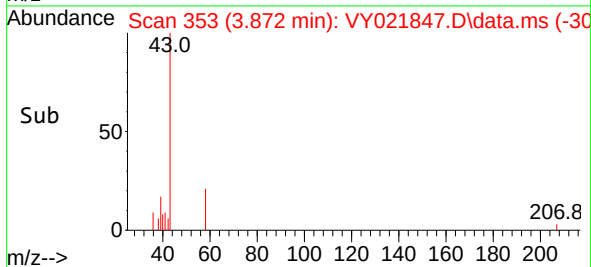
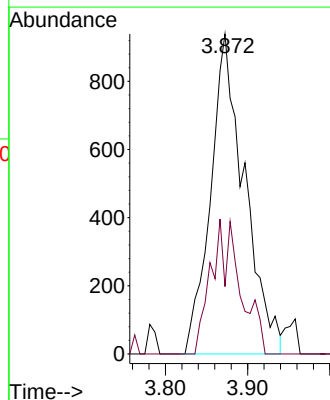
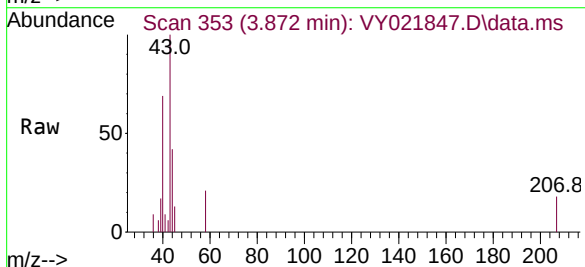
Instrument :
MSVOA_Y
ClientSampleId :
TP-17-VOC

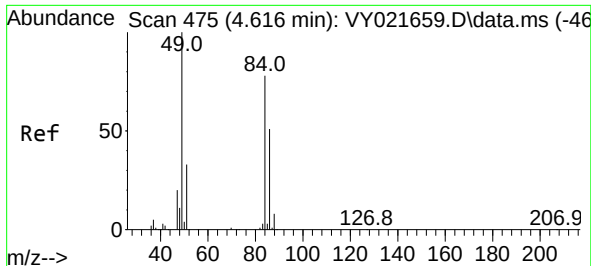
Tgt Ion:168 Resp: 237207
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#16
Acetone
Concen: 5.120 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

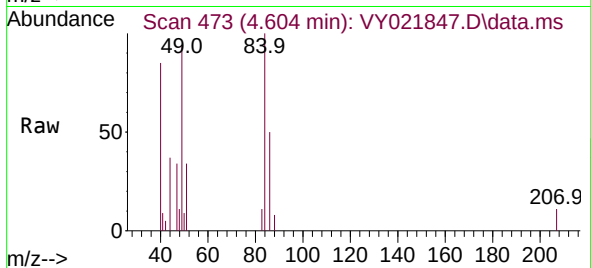
Tgt Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
58 21.1 24.2 36.4#



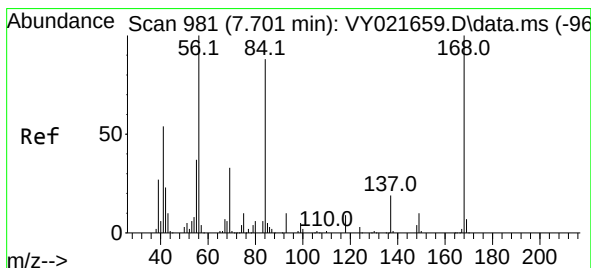
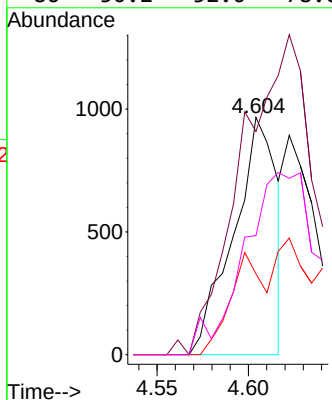
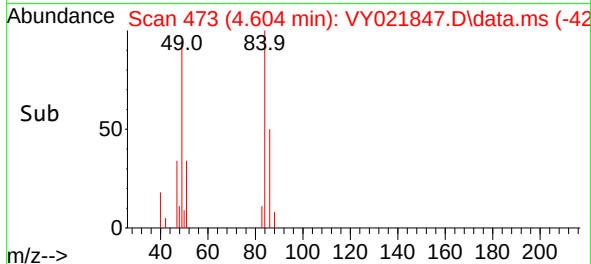


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Instrument :
MSVOA_Y
ClientSampleId :
TP-17-VOC

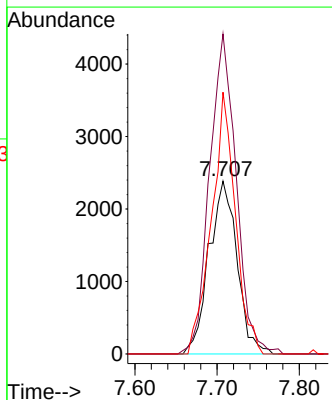
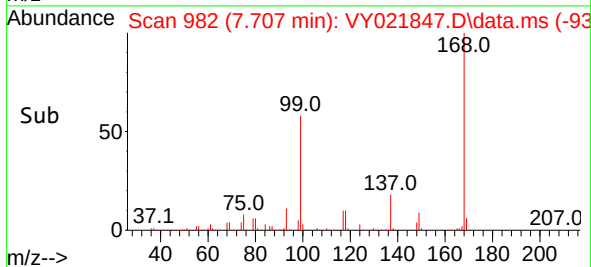
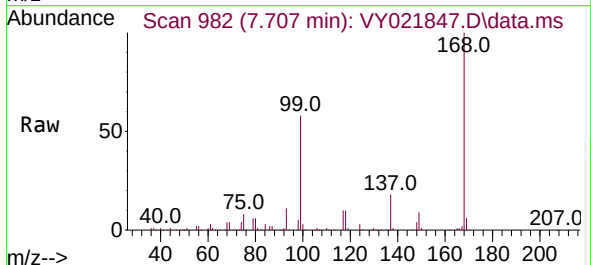


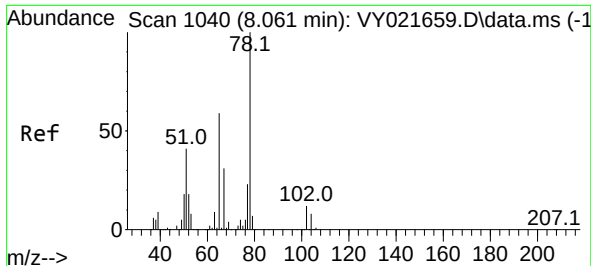
Tgt Ion: 84	Resp: 1588
Ion Ratio	Lower Upper
84 100	
49 87.9	102.8 154.2#
51 34.2	33.5 50.3
86 50.2	52.0 78.0#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Tgt Ion: 56	Resp: 5665		
Ion Ratio	Lower	Upper	
56	100		
69	185.2	26.6	40.0#
84	151.6	69.0	103.4#

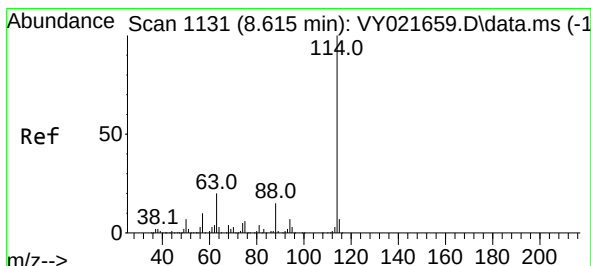
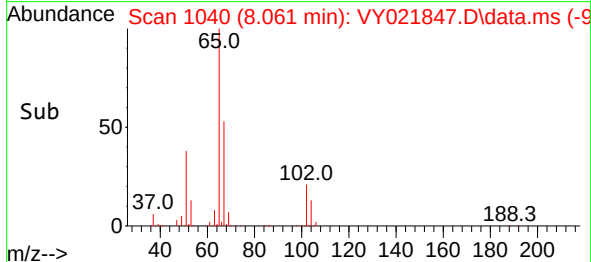
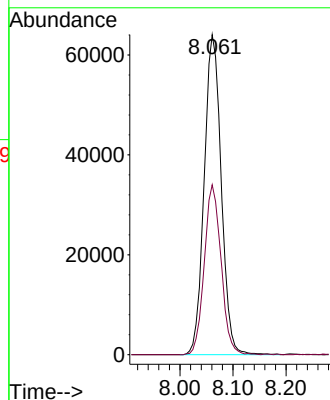
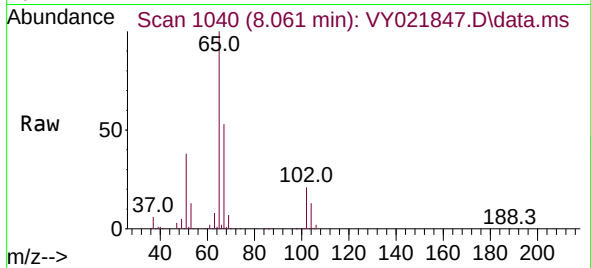




#33
 1,2-Dichloroethane-d4
 Concen: 55.693 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021847.D
 Acq: 10 Apr 2025 18:44

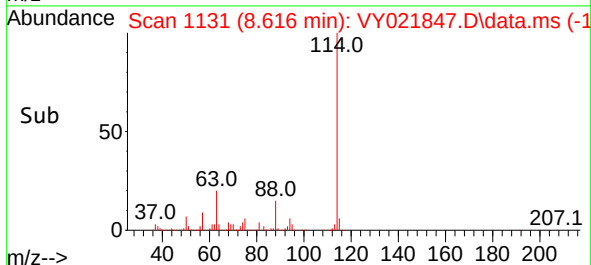
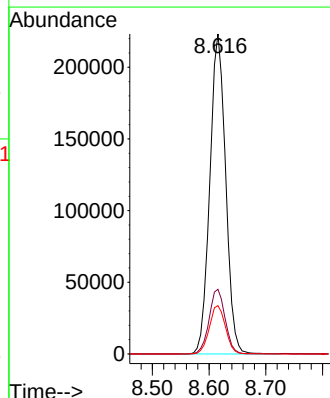
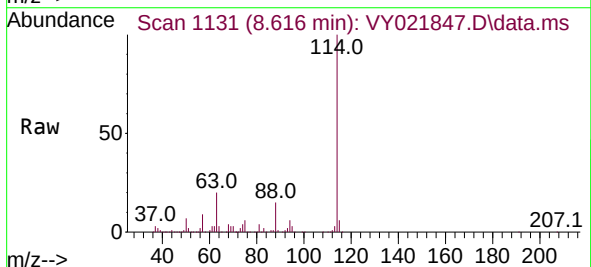
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-VOC

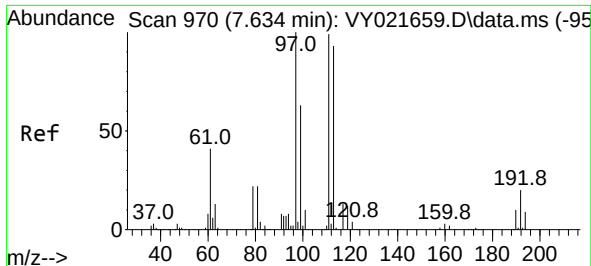
Tgt Ion: 65 Resp: 143136
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021847.D
 Acq: 10 Apr 2025 18:44

Tgt Ion: 114 Resp: 432732
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 15.1 0.0 29.8

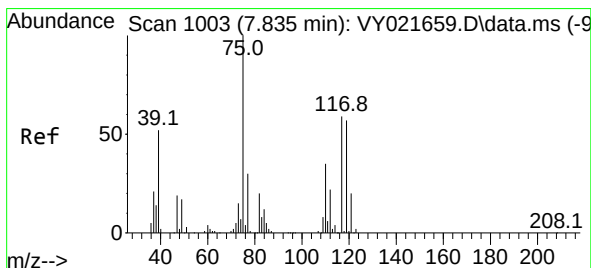
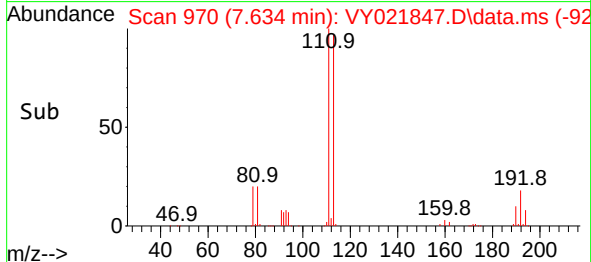
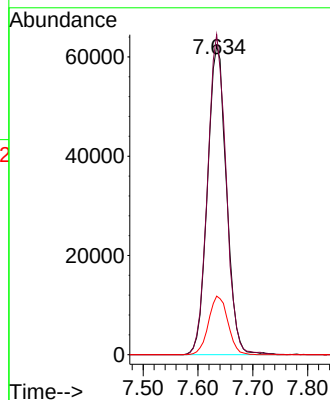
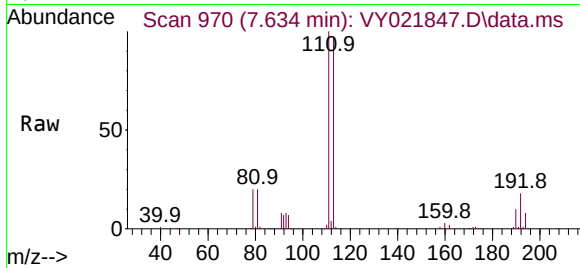




#35
Dibromofluoromethane
Concen: 53.099 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

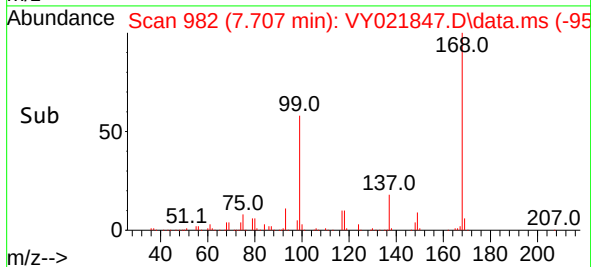
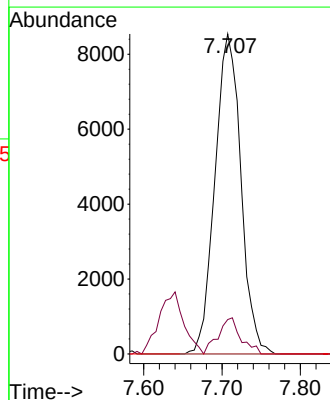
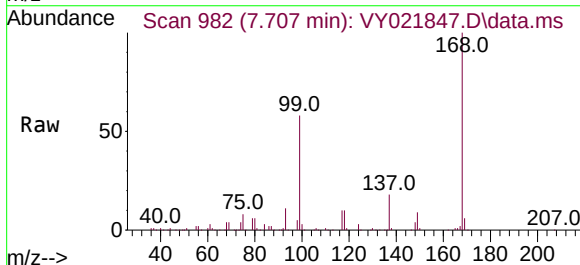
Instrument :
MSVOA_Y
ClientSampleId :
TP-17-VOC

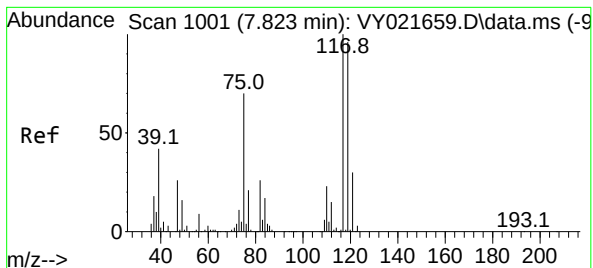
Tgt Ion:113 Resp: 149052
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021847.D
Acq: 10 Apr 2025 18:44

Tgt Ion: 75 Resp: 19645
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.991 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY021847.D

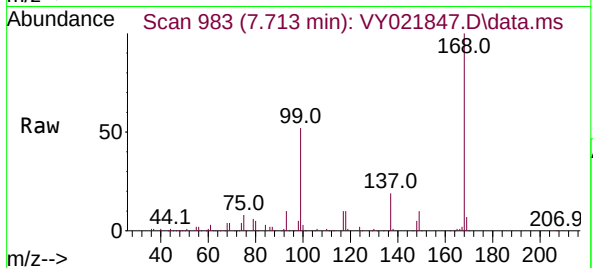
Acq: 10 Apr 2025 18:44

Instrument :

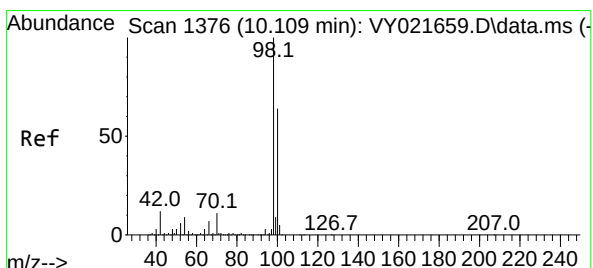
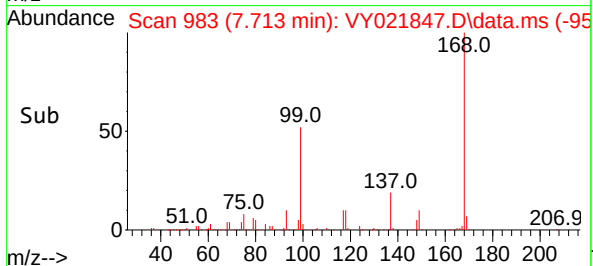
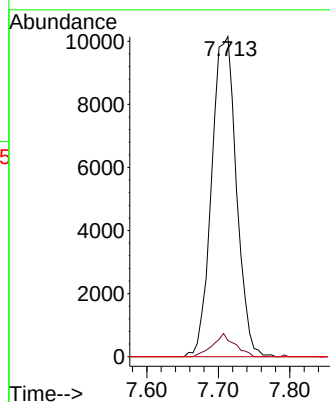
MSVOA_Y

ClientSampleId :

TP-17-VOC



Tgt Ion:	117	Resp:	24440
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.4#
121	0.0	24.2	36.4#



#50

Toluene-d8

Concen: 48.966 ug/l

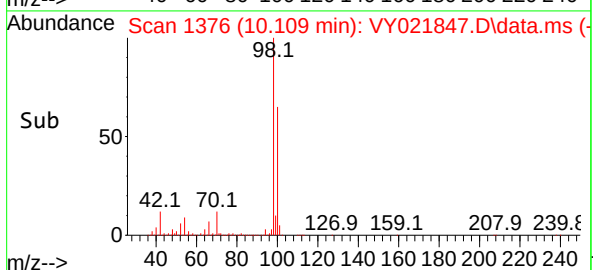
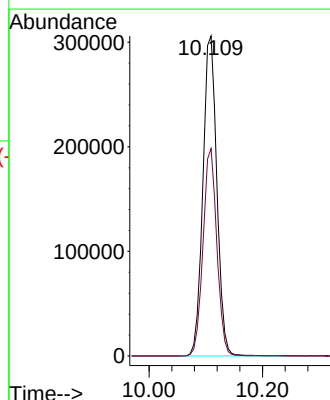
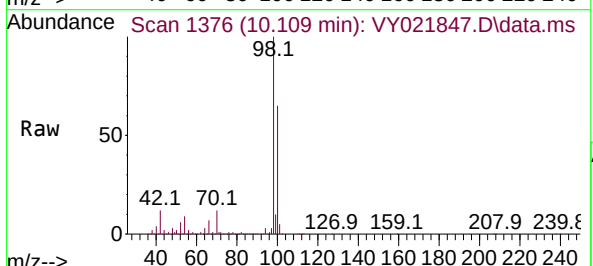
RT: 10.109 min Scan# 1376

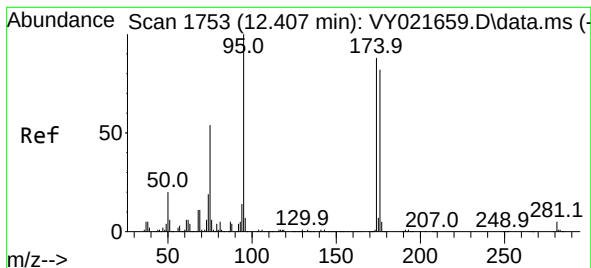
Delta R.T. 0.000 min

Lab File: VY021847.D

Acq: 10 Apr 2025 18:44

Tgt Ion:	98	Resp:	522902
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





#62

4-Bromofluorobenzene

Concen: 41.018 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021847.D

Acq: 10 Apr 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-VOC

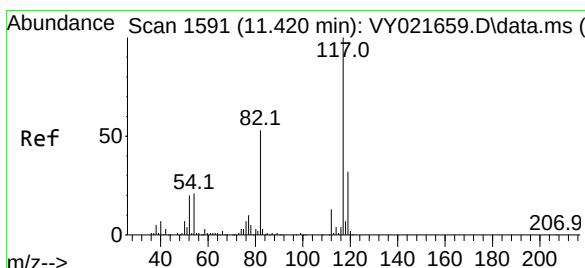
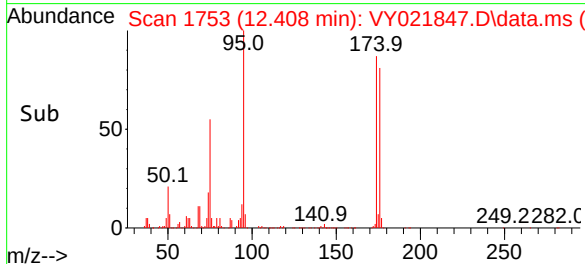
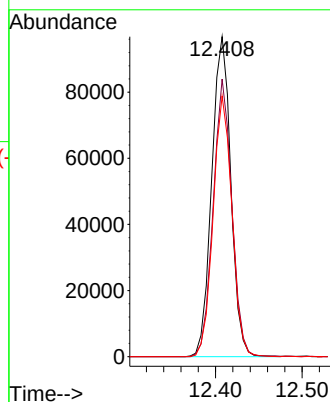
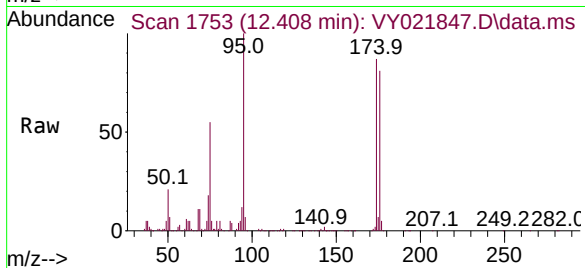
Tgt Ion: 95 Resp: 148163

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.8

176 80.4 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021847.D

Acq: 10 Apr 2025 18:44

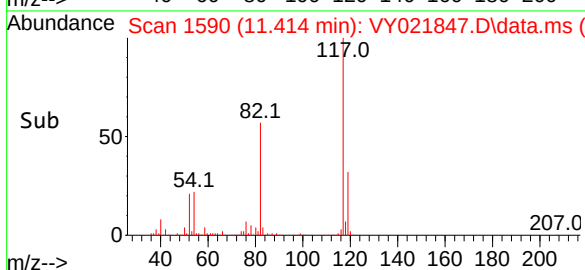
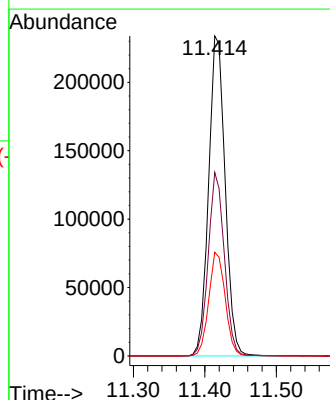
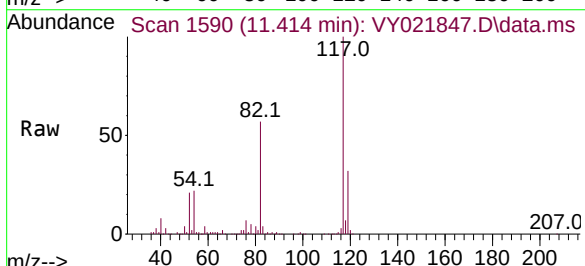
Tgt Ion: 117 Resp: 375026

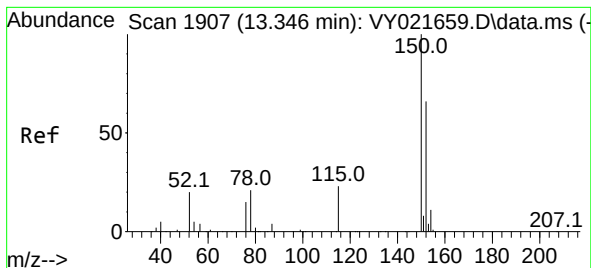
Ion Ratio Lower Upper

117 100

82 57.4 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: VY021847.D

Acq: 10 Apr 2025 18:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-17-VOC

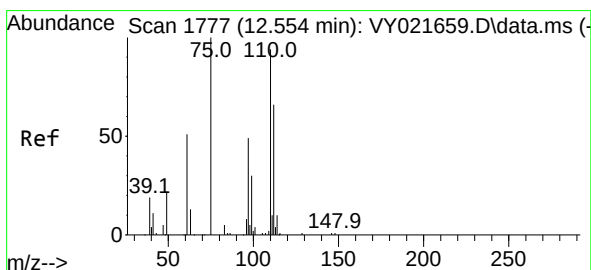
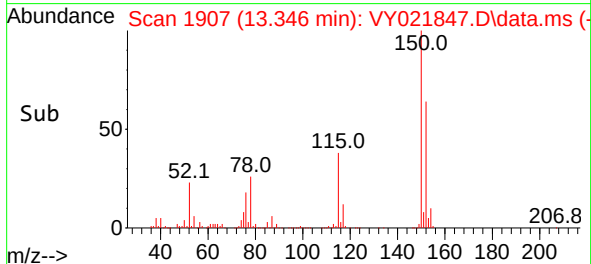
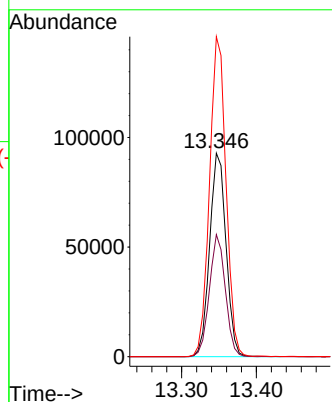
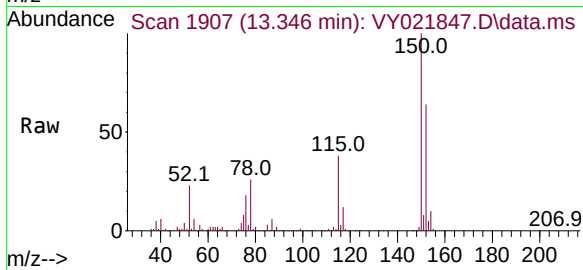
Tgt Ion:152 Resp: 141524

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.6 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.806 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021847.D

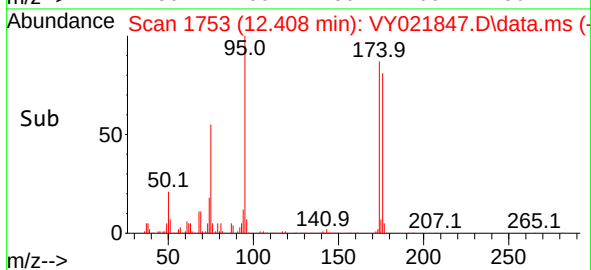
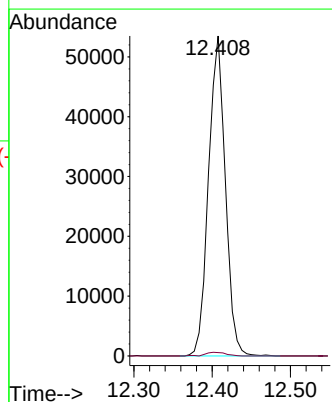
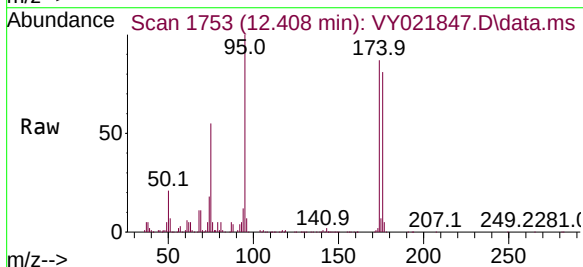
Acq: 10 Apr 2025 18:44

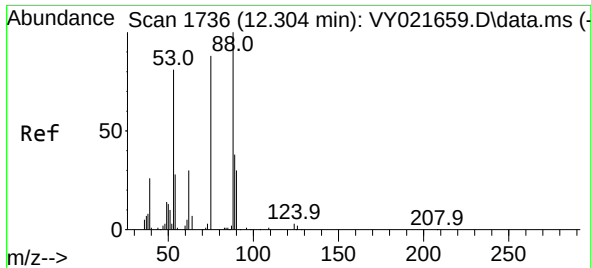
Tgt Ion: 75 Resp: 79691

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.890 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021847.D
 Acq: 10 Apr 2025 18:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-17-VOC

Tgt Ion: 75 Resp: 79691
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

