

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021876.D
 Acq On : 14 Apr 2025 17:47
 Operator : SY/MD
 Sample : Q1787-11
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Apr 14 23:34:19 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	303416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	564970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	495294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200121	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	156964	47.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.500%
35) Dibromofluoromethane	7.634	113	179715	49.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.109	98	694329	49.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.407	95	213356	45.242	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.480%

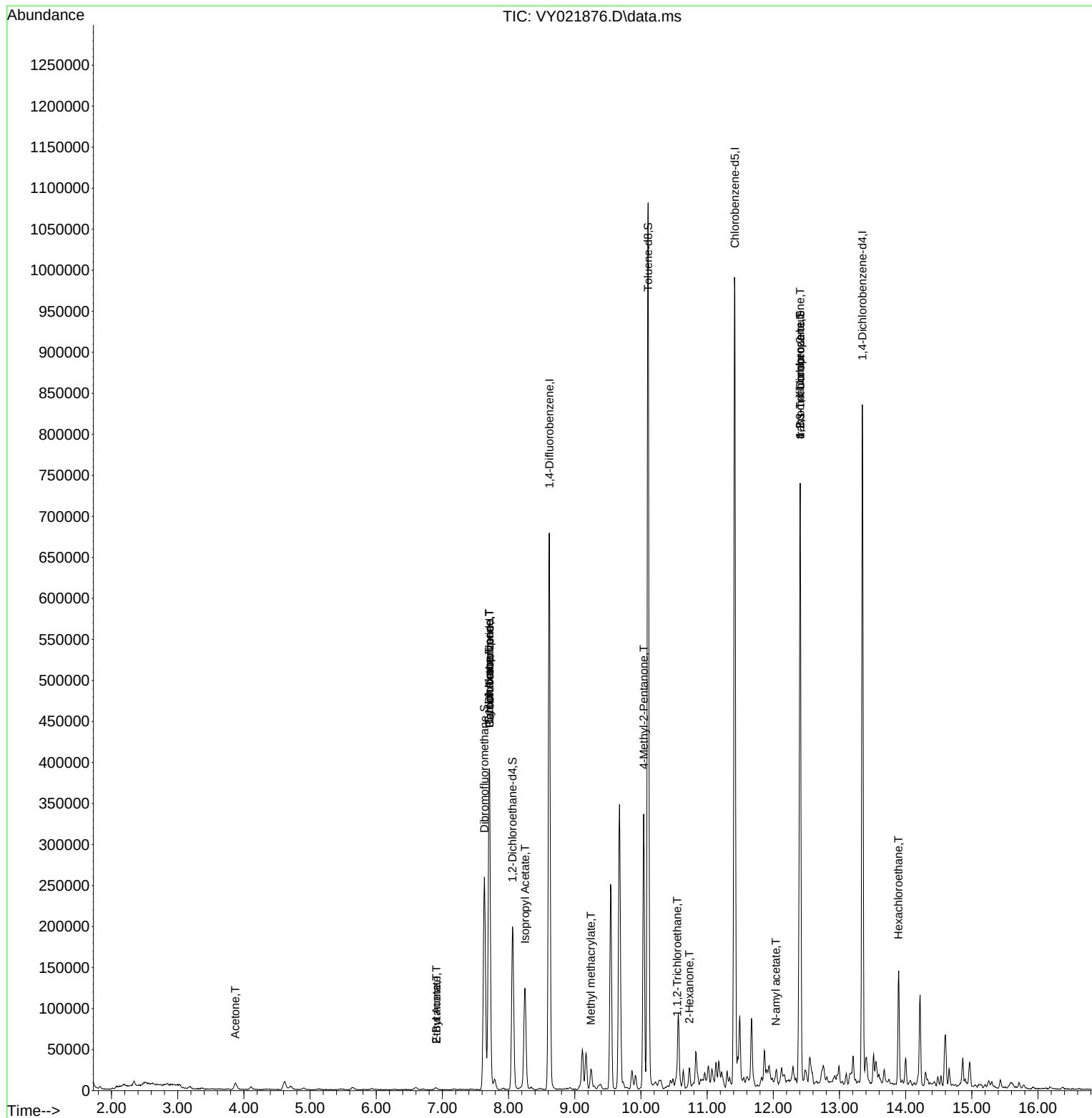
Target Compounds					Qvalue	
16) Acetone	3.872	43	14004	20.814	ug/l	# 86
20) Methylene Chloride	4.616	84	7131	Below Cal		92
25) 2-Butanone	6.908	43	4031	4.195	ug/l	97
31) Cyclohexane	7.707	56	6658	1.148	ug/l	# 1
36) 1,1-Dichloropropene	7.707	75	24148	4.326	ug/l	# 50
37) Ethyl Acetate	6.908	43	4031	1.530	ug/l	# 70
38) Carbon Tetrachloride	7.713	117	30334	4.745	ug/l	# 16
43) Isopropyl Acetate	8.249	43	23685	4.744	ug/l	# 61
48) Methyl methacrylate	9.243	41	6495	2.835	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.042	43	36559	14.072	ug/l	# 79
55) 1,1,2-Trichloroethane	10.548	97	3734	1.272	ug/l	# 13
59) 2-Hexanone	10.731	43	8787	5.078	ug/l	# 31
74) N-amyl acetate	12.041	43	4642	1.331	ug/l	# 75
76) 1,2,3-Trichloropropane	12.407	75	112221	56.571	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.407	75	112221	130.350	ug/l	# 13
90) Hexachloroethane	13.889	117	7306	2.551	ug/l	# 12

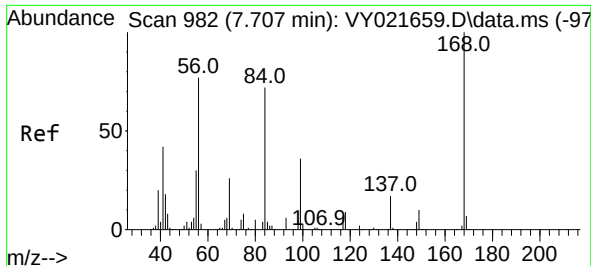
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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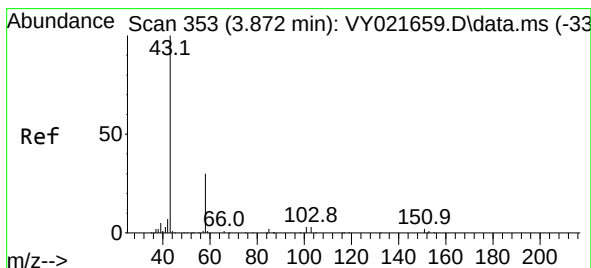
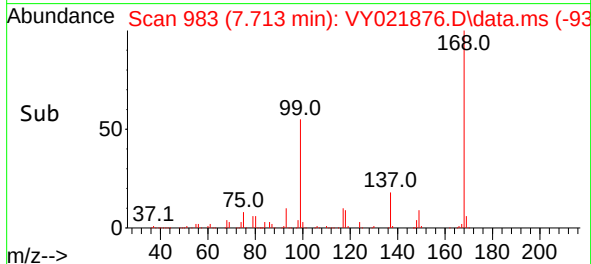
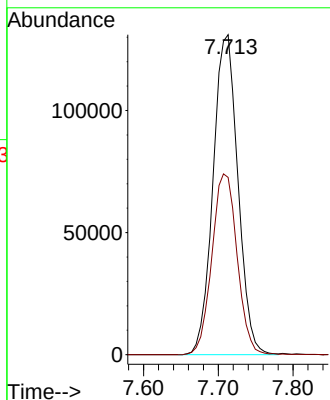
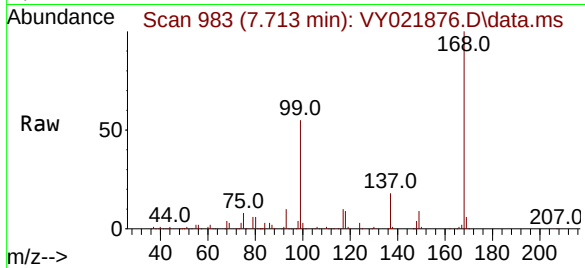




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

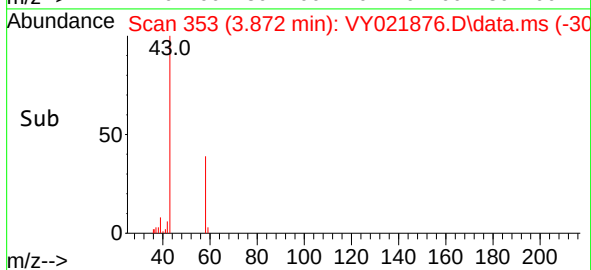
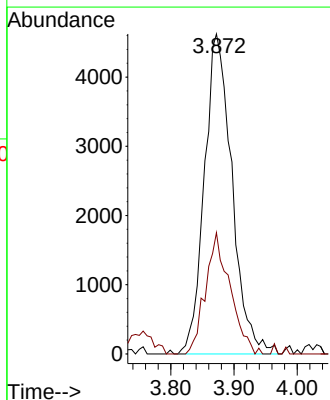
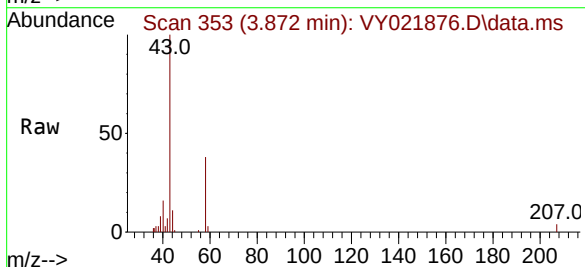
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

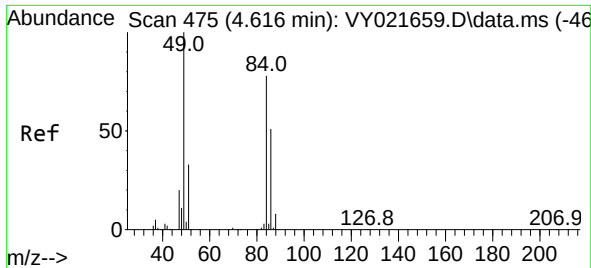
Tgt Ion:168 Resp: 303416
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#16
Acetone
Concen: 20.814 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 43 Resp: 14004
Ion Ratio Lower Upper
43 100
58 37.9 24.2 36.4#



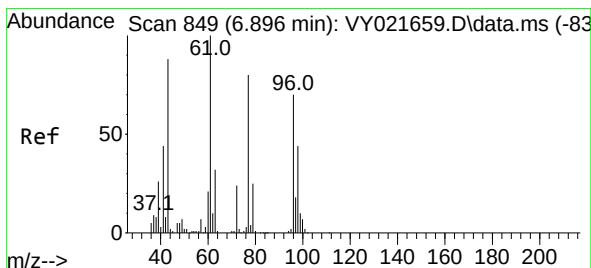
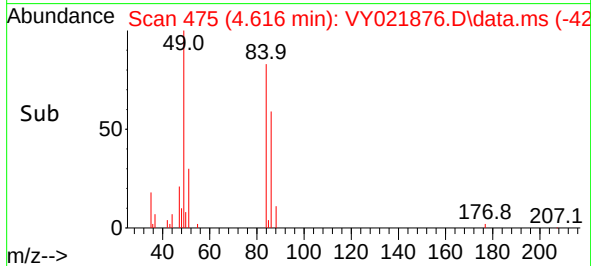
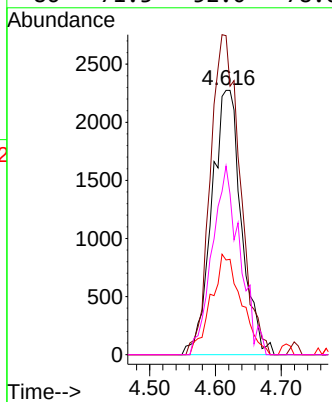
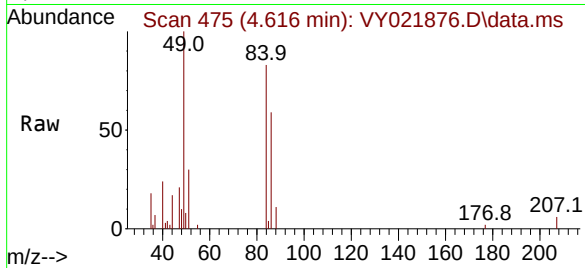


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion: 84 Resp: 7131

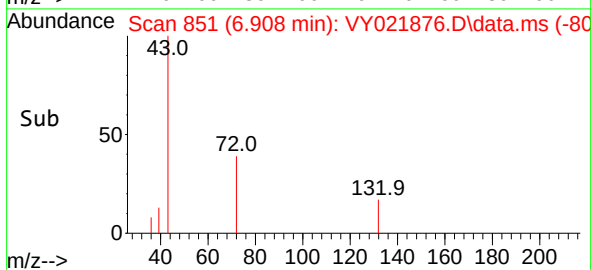
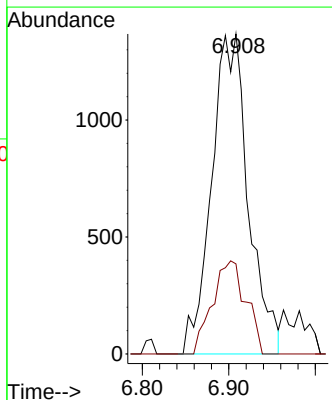
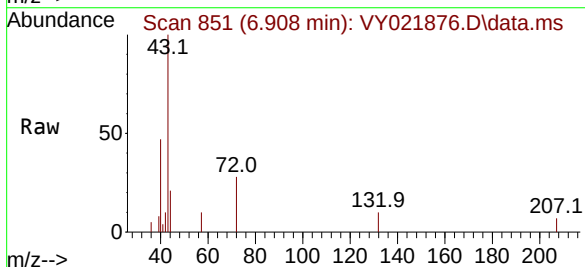
Ion	Ratio	Lower	Upper
84	100		
49	120.7	102.8	154.2
51	35.8	33.5	50.3
86	71.3	52.0	78.0

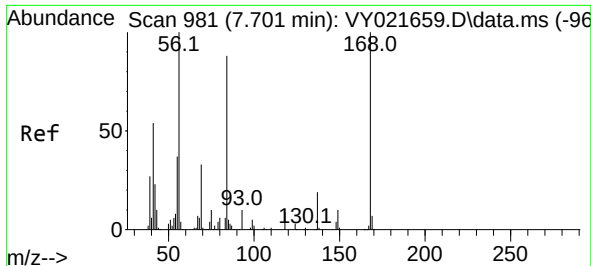


#25
2-Butanone
Concen: 4.195 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 43 Resp: 4031

Ion	Ratio	Lower	Upper
43	100		
72	28.1	21.4	32.2

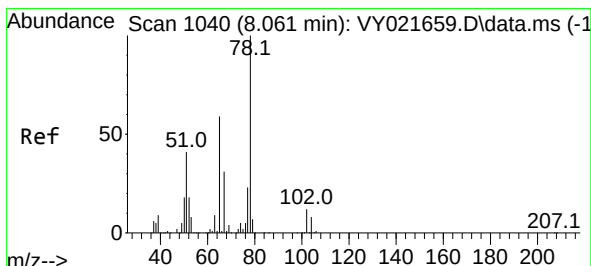
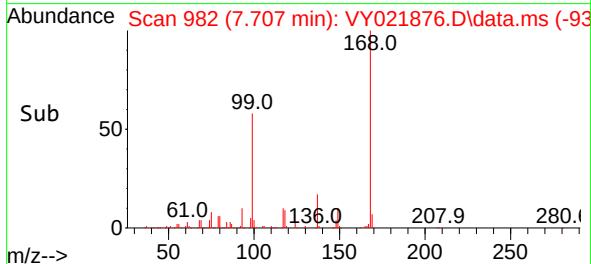
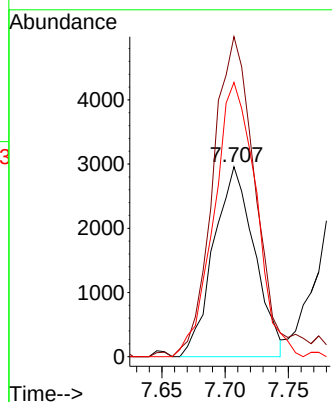
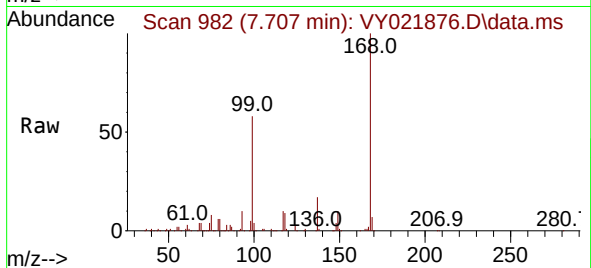




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

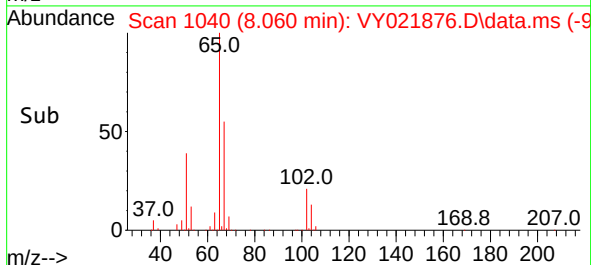
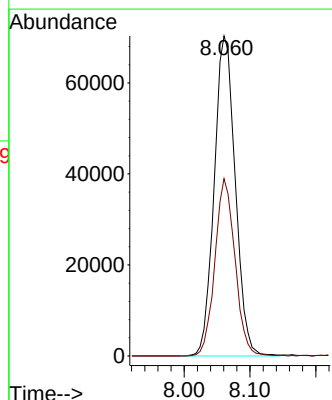
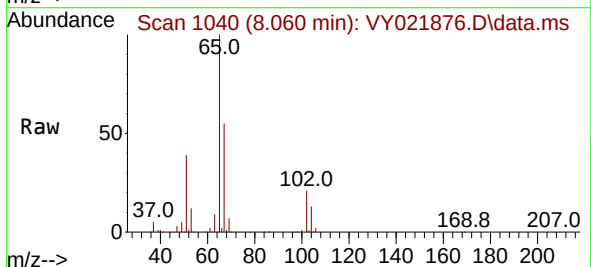
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

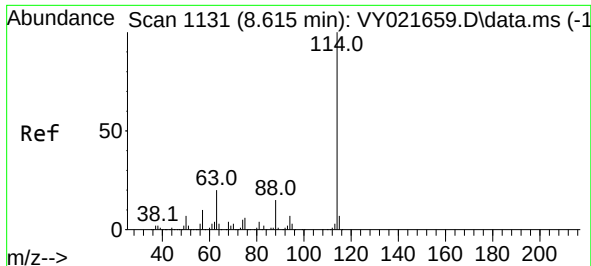
Tgt Ion: 56 Resp: 6658
Ion Ratio Lower Upper
56 100
69 164.3 26.6 40.0#
84 140.7 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 47.747 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 65 Resp: 156964
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6

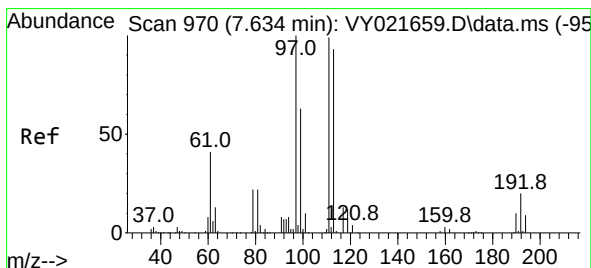
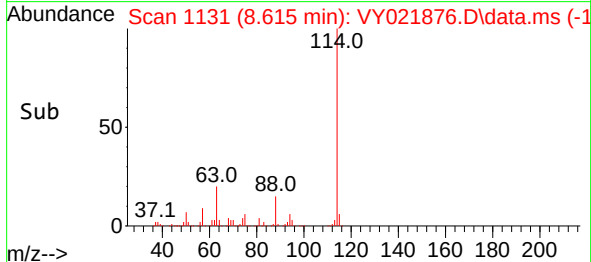
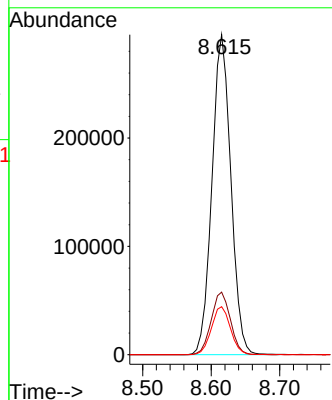
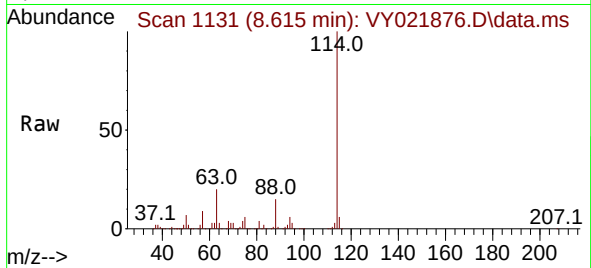




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

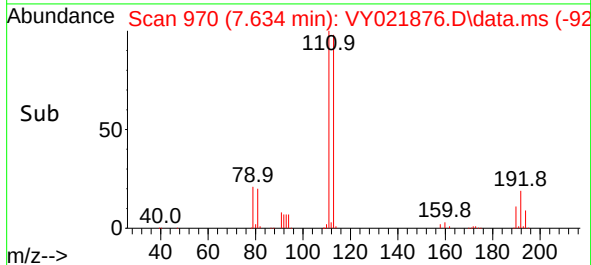
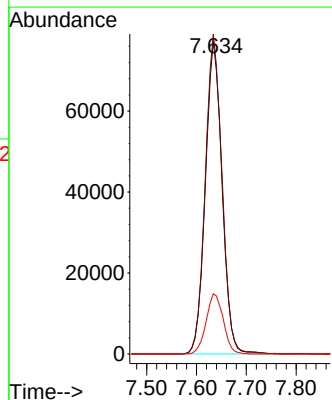
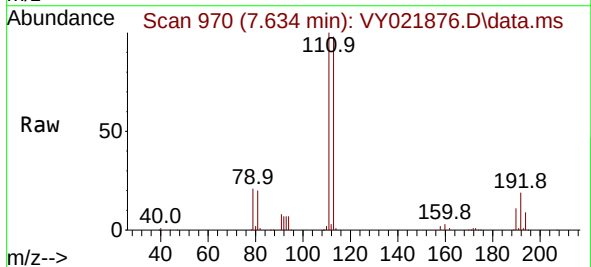
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

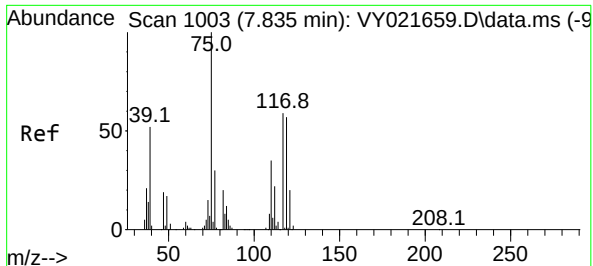
Tgt Ion:114 Resp: 564970
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 49.037 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion:113 Resp: 179715
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.326 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

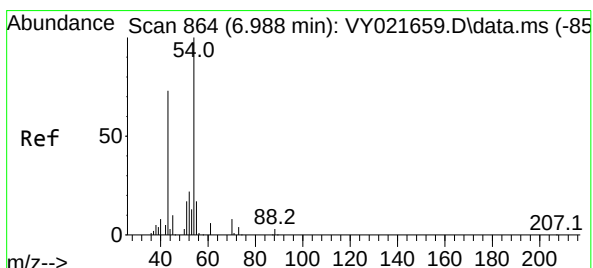
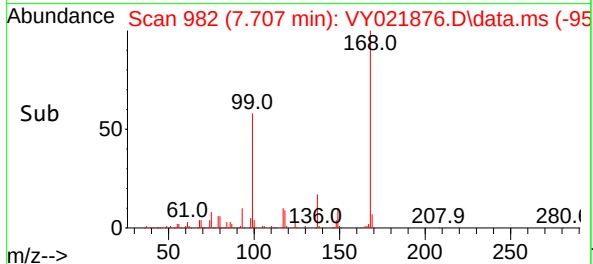
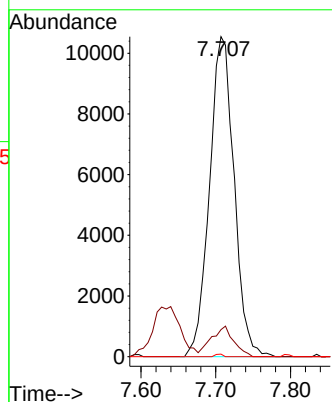
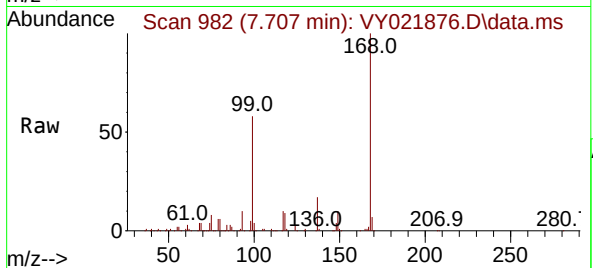
Tgt Ion: 75 Resp: 24148

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.2 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.530 ug/l

RT: 6.908 min Scan# 851

Delta R.T. -0.079 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

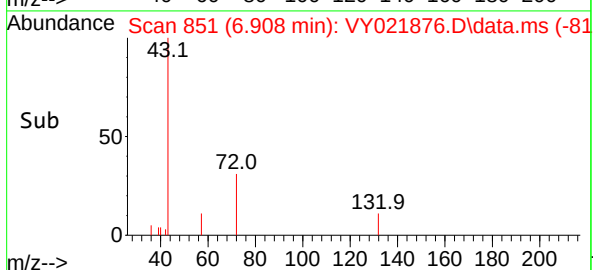
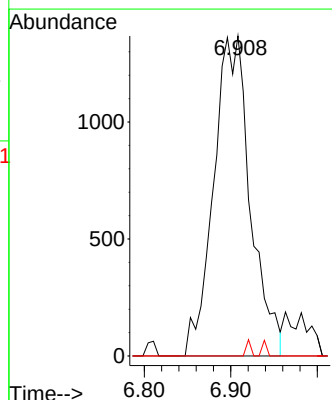
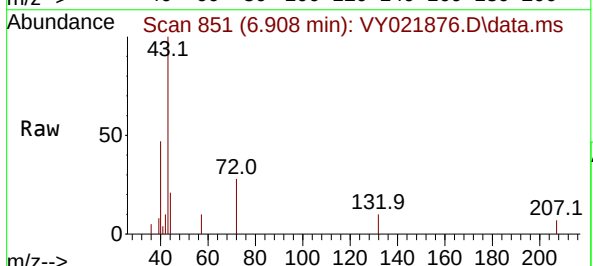
Tgt Ion: 43 Resp: 4031

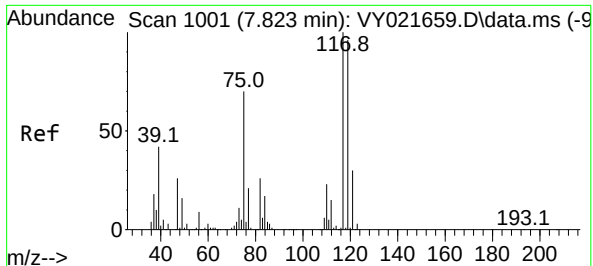
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.6 8.1 12.1#

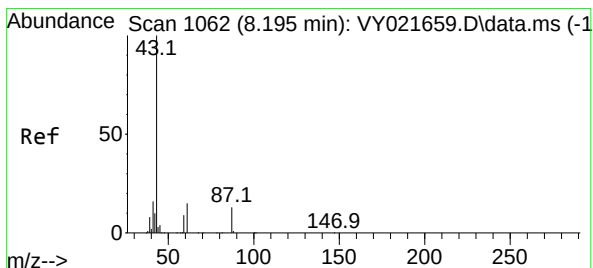
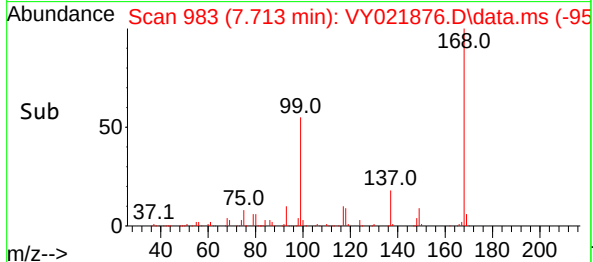
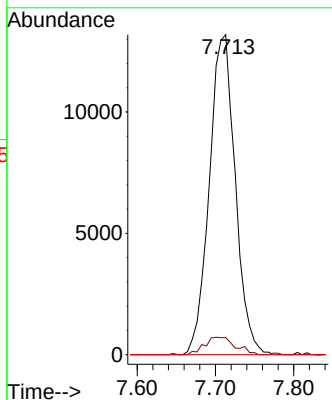
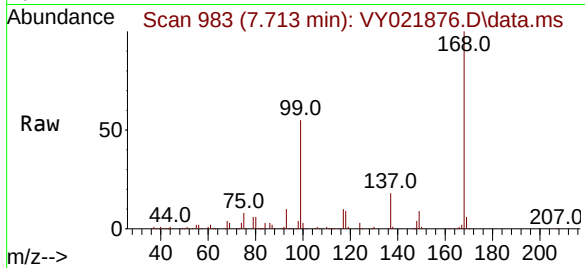




#38
Carbon Tetrachloride
Concen: 4.745 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

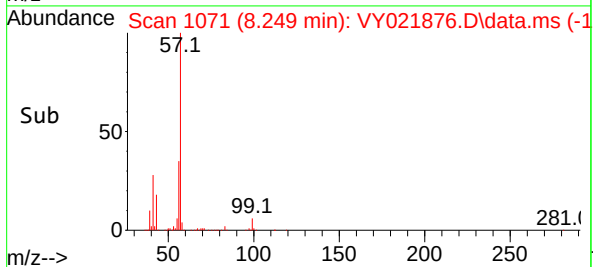
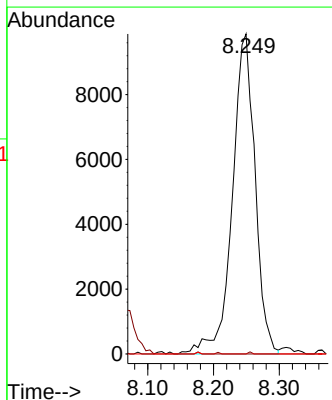
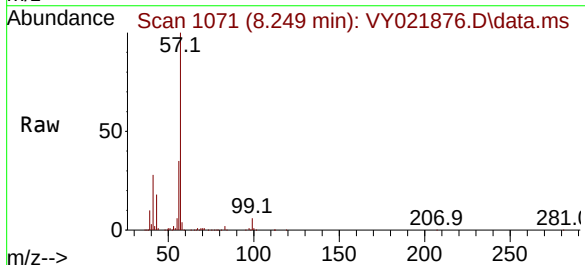
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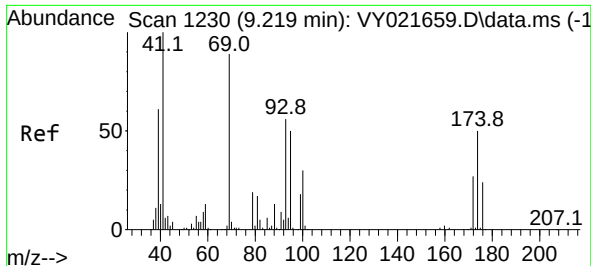
Tgt Ion:117 Resp: 30334
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 4.744 ug/l
RT: 8.249 min Scan# 1071
Delta R.T. 0.055 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 43 Resp: 23685
Ion Ratio Lower Upper
43 100
61 0.0 15.9 23.9#
87 0.0 10.4 15.6#





#48

Methyl methacrylate

Concen: 2.835 ug/l

RT: 9.243 min Scan# 1

Delta R.T. 0.024 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

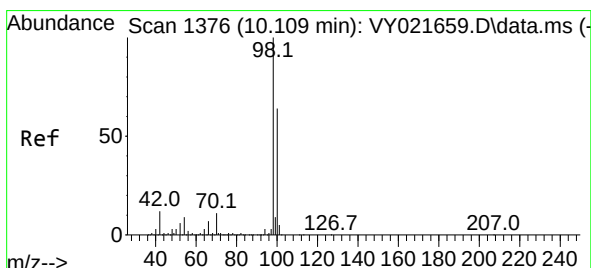
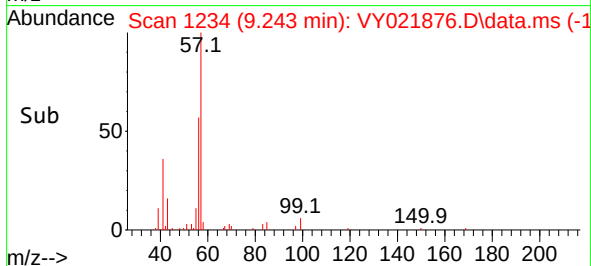
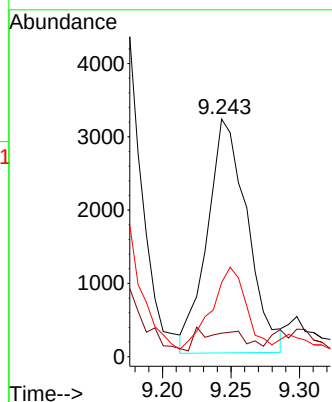
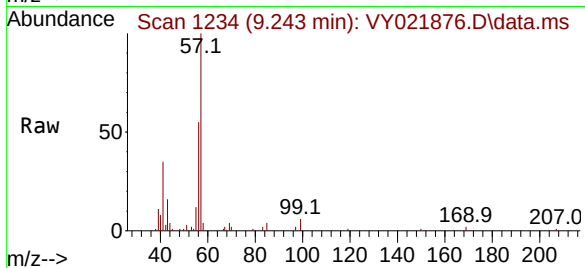
Tgt Ion: 41 Resp: 6495

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

39 34.1 47.2 70.8#



#50

Toluene-d8

Concen: 49.800 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021876.D

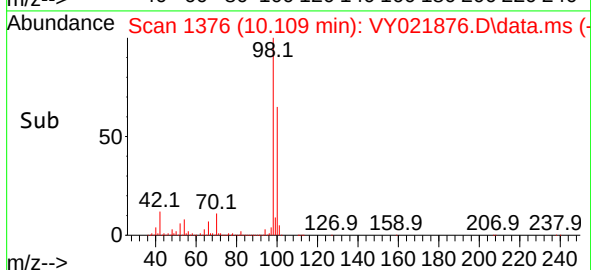
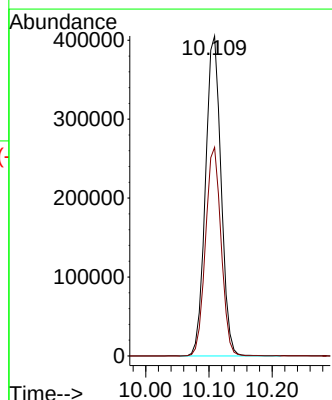
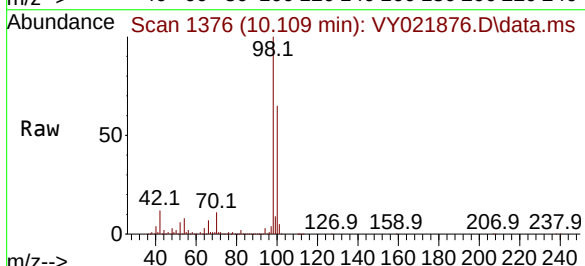
Acq: 14 Apr 2025 17:47

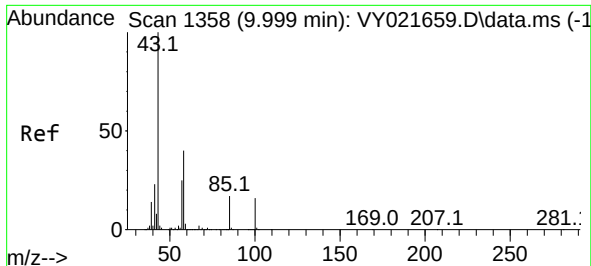
Tgt Ion: 98 Resp: 694329

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 14.072 ug/l

RT: 10.042 min Scan# 11

Delta R.T. 0.042 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

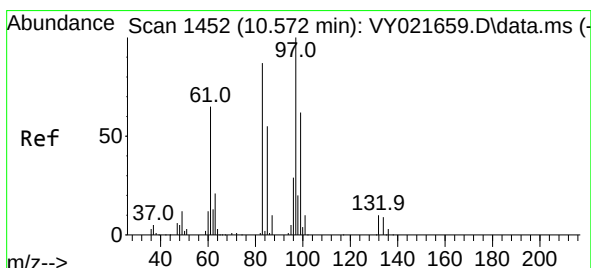
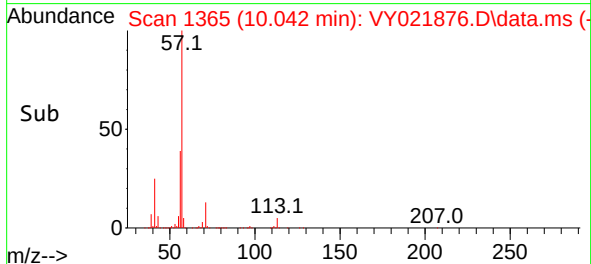
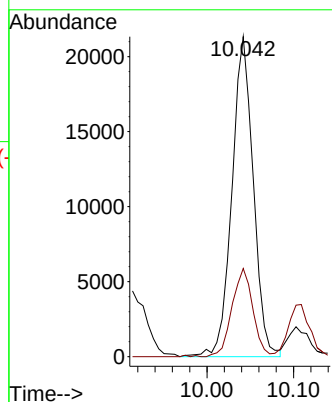
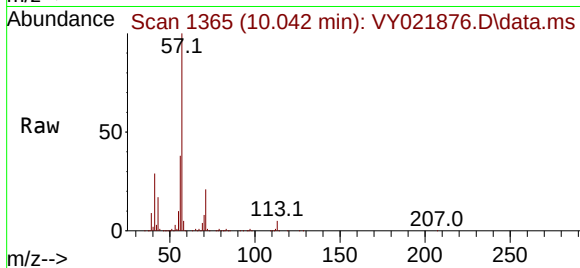
TP-1-VOC

Tgt Ion: 43 Resp: 36559

Ion Ratio Lower Upper

43 100

58 26.8 31.5 47.3#



#55

1,1,2-Trichloroethane

Concen: 1.272 ug/l

RT: 10.548 min Scan# 1448

Delta R.T. -0.025 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

Tgt Ion: 97 Resp: 3734

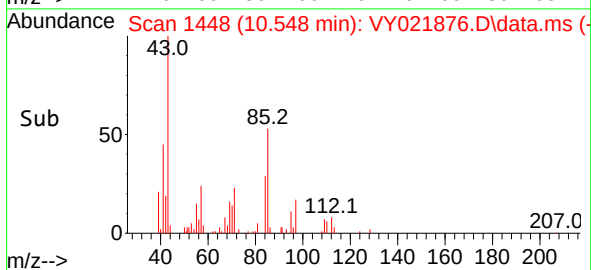
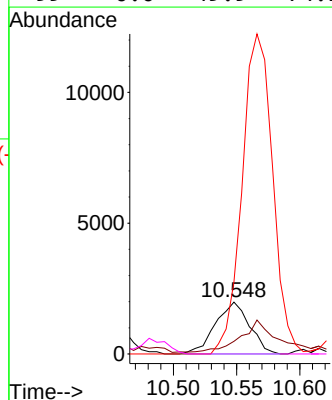
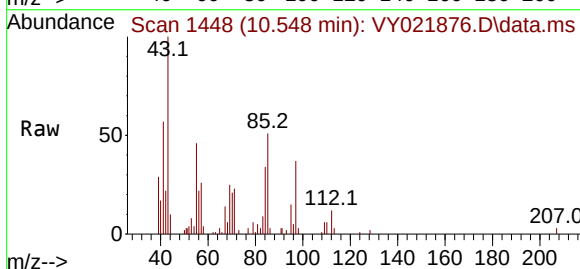
Ion Ratio Lower Upper

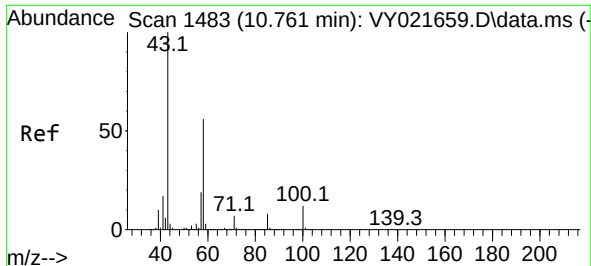
97 100

83 20.5 69.5 104.3#

85 139.4 43.9 65.9#

99 0.0 49.9 74.9#

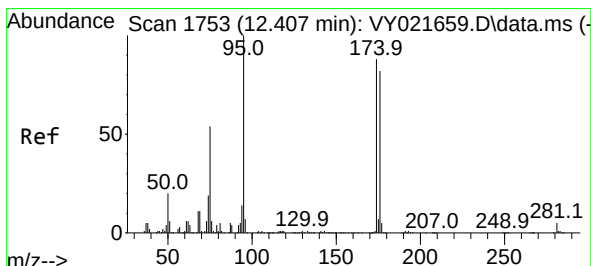
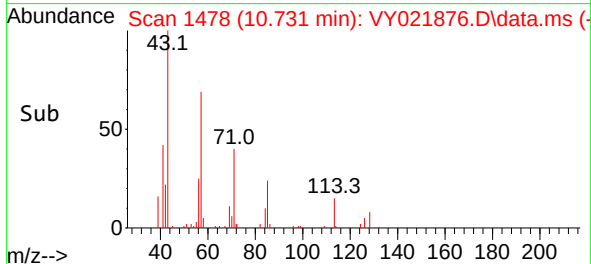
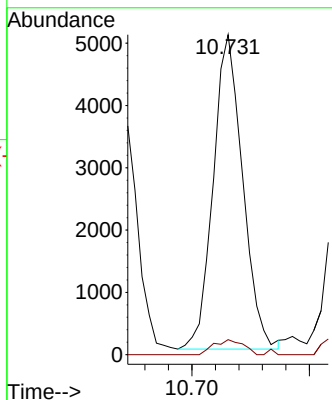
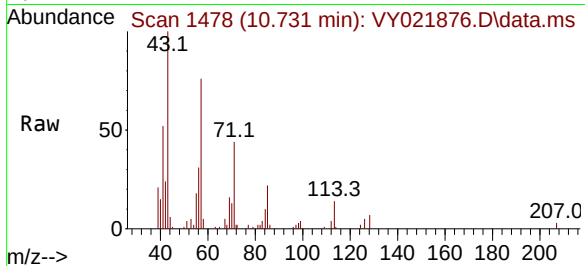




#59
2-Hexanone
Concen: 5.078 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.031 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

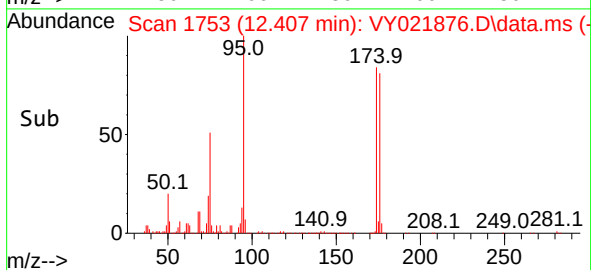
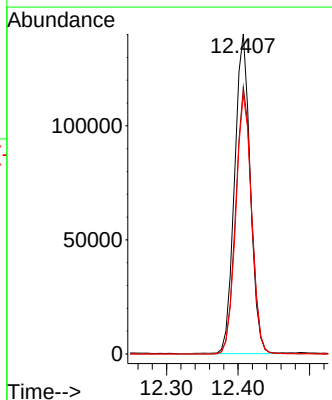
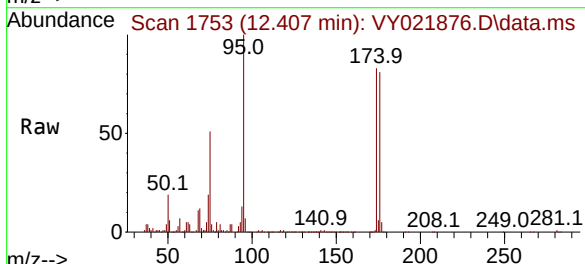
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

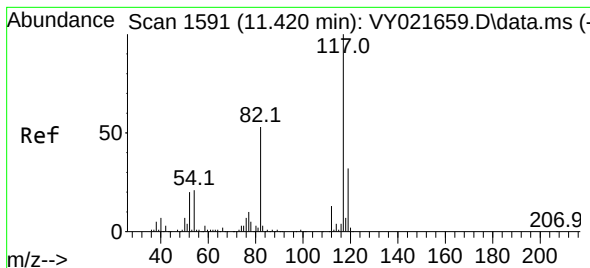
Tgt Ion: 43 Resp: 8787
Ion Ratio Lower Upper
43 100
58 4.8 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 45.242 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 95 Resp: 213356
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.8
176 81.7 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021876.D

Acq: 14 Apr 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

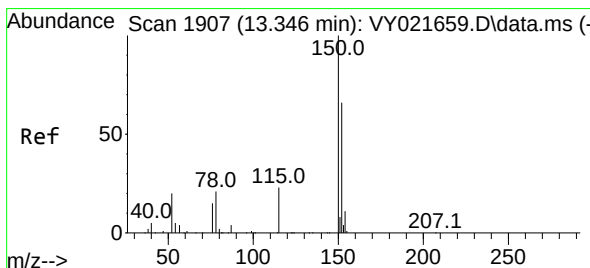
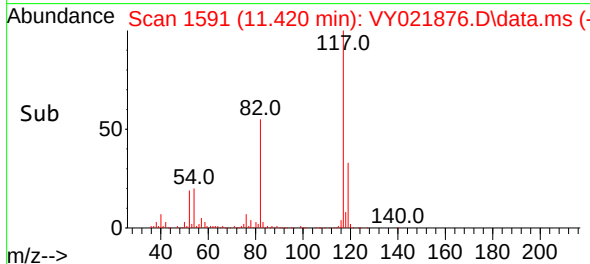
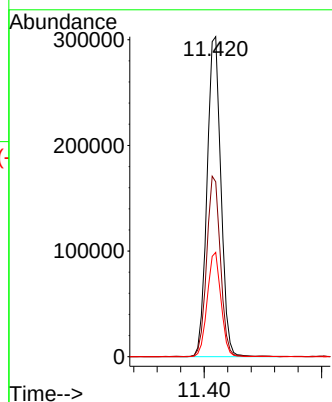
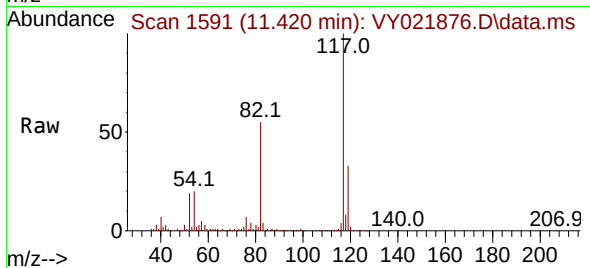
Tgt Ion:117 Resp: 495294

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 32.6 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: VY021876.D

Acq: 14 Apr 2025 17:47

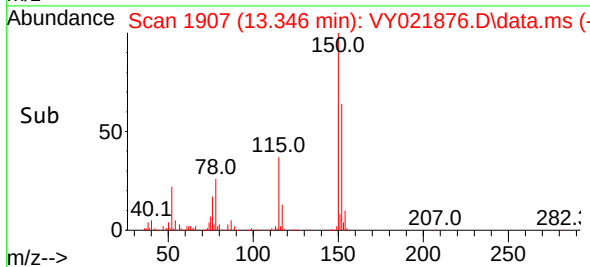
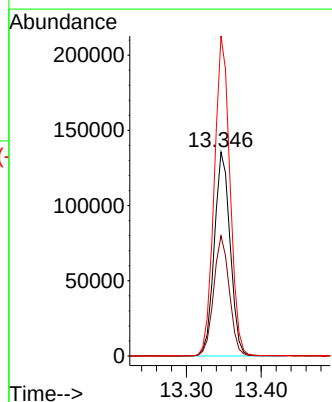
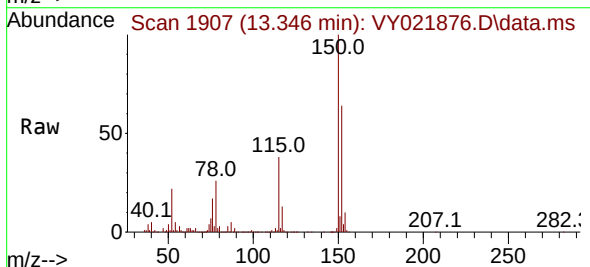
Tgt Ion:152 Resp: 200121

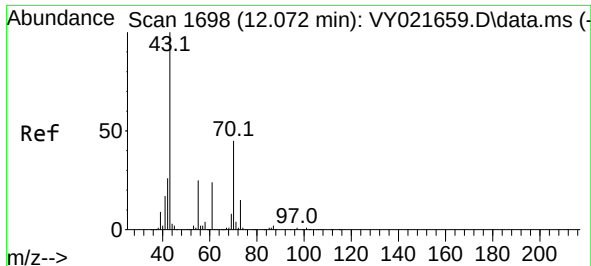
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.6 0.0 348.4

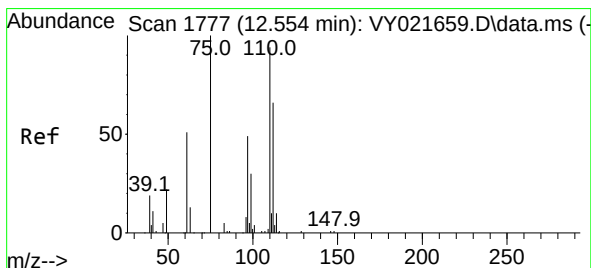
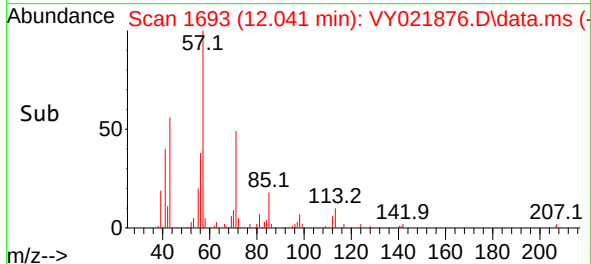
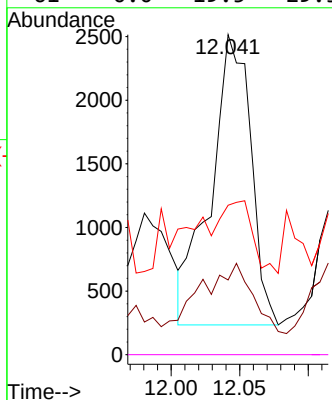
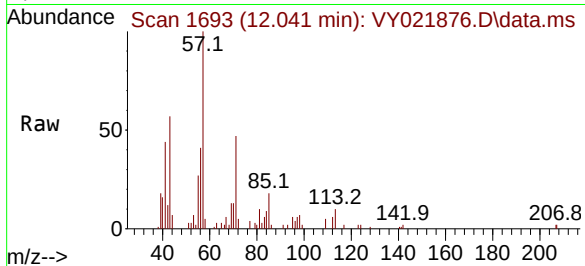




#74
N-amy1 acetate
Concen: 1.331 ug/l
RT: 12.041 min Scan# 1753
Delta R.T. -0.031 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

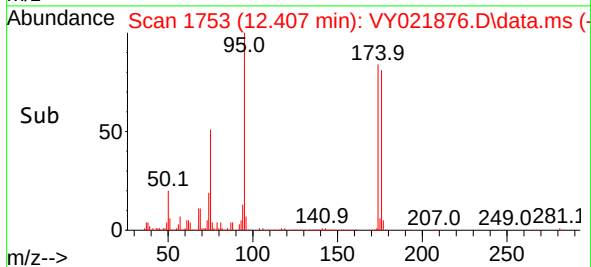
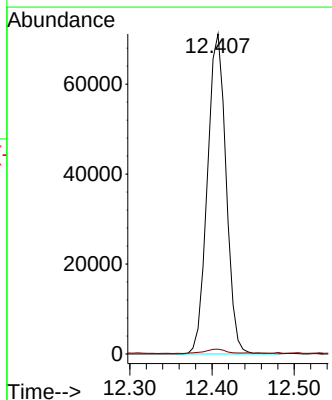
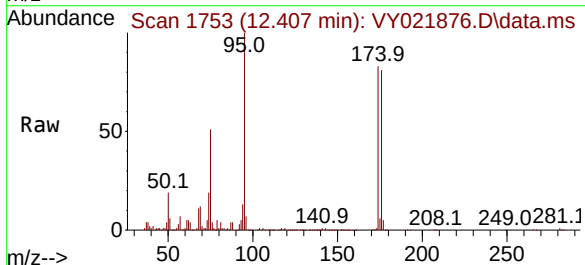
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

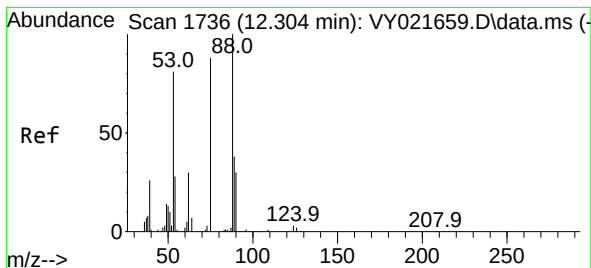
Tgt Ion: 43	Resp: 4642
Ion Ratio	Lower Upper
43 100	
70 31.1	34.7 52.1#
55 19.8	21.2 31.8#
61 0.0	19.5 29.3#



#76
1,2,3-Trichloropropane
Concen: 56.571 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 75	Resp: 112221
Ion Ratio	Lower Upper
75 100	
77 1.6	0.0 0.0#

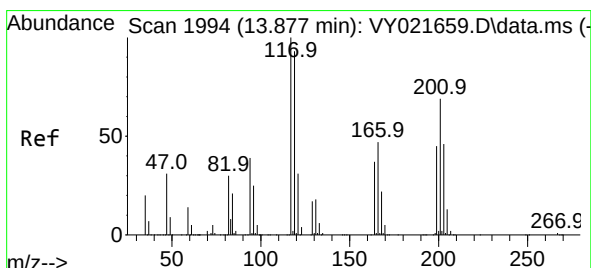
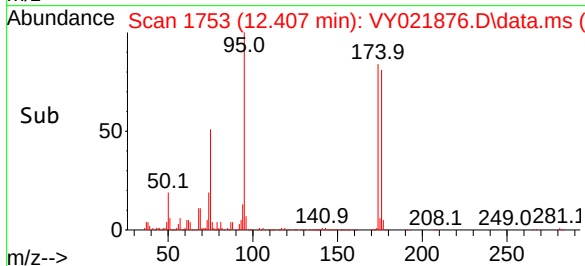
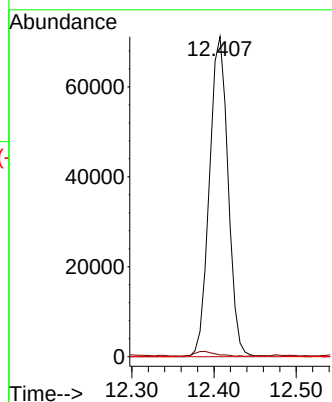
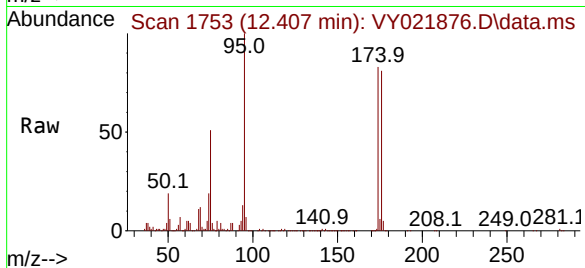




#81
trans-1,4-Dichloro-2-butene
Concen: 130.350 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion: 75 Resp: 112221
Ion Ratio Lower Upper
75 100
53 1.8 76.1 114.1#
89 0.0 36.2 54.4#



#90
Hexachloroethane
Concen: 2.551 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY021876.D
Acq: 14 Apr 2025 17:47

Tgt Ion: 117 Resp: 7306
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.1#

