

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021813.D
 Acq On : 09 Apr 2025 12:53
 Operator : SY/MD
 Sample : Q1745-03
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-6A-VOC

Quant Time: Apr 10 01:41:36 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)

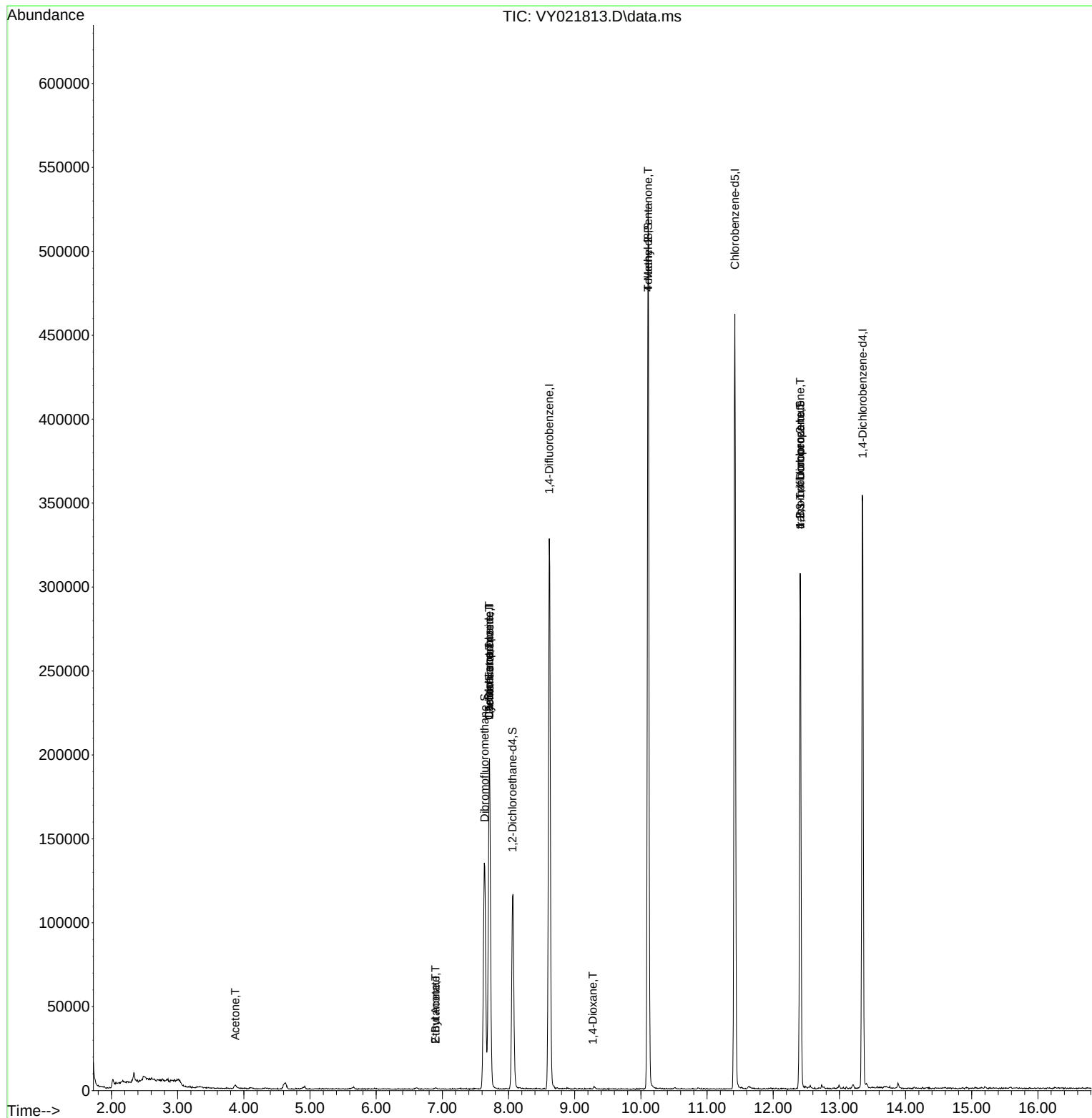
Internal Standards						
1) Pentafluorobenzene	7.713	168	149022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	269308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92375	57.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.420%
35) Dibromofluoromethane	7.640	113	94982	54.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.740%
50) Toluene-d8	10.109	98	329738	49.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.408	95	88641	39.432	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.860%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	3635	11.000	ug/l #	79
20) Methylene Chloride	4.616	84	2440	Below Cal	#	79
25) 2-Butanone	6.897	43	1318	2.792	ug/l	99
31) Cyclohexane	7.707	56	3529	1.238	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	12801	4.811	ug/l #	50
37) Ethyl Acetate	6.897	43	1318	1.050	ug/l #	69
38) Carbon Tetrachloride	7.707	117	15454	5.071	ug/l #	16
49) 1,4-Dioxane	9.274	88	19	1.632	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	1717	1.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	48153	54.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	48153	124.475	ug/l #	12

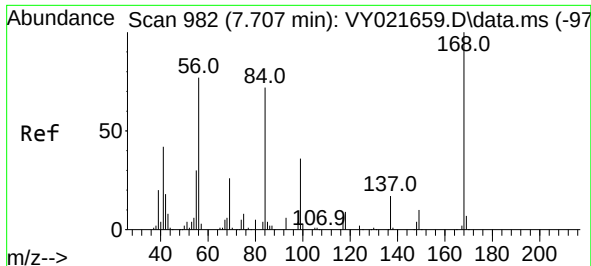
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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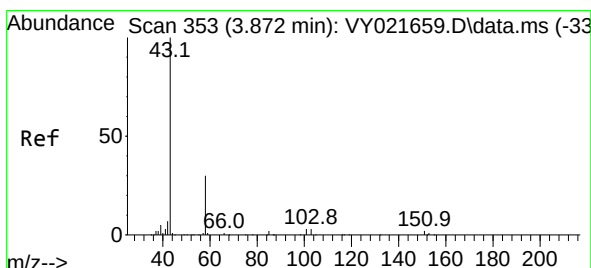
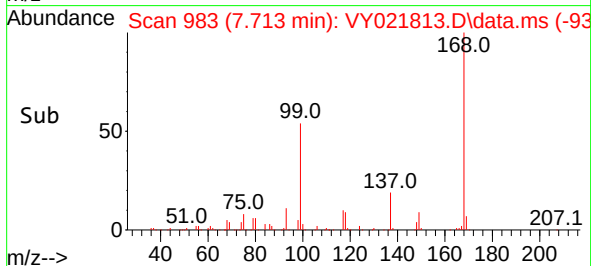
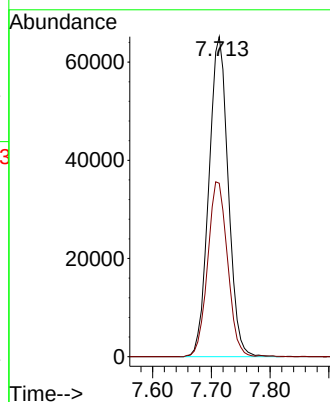
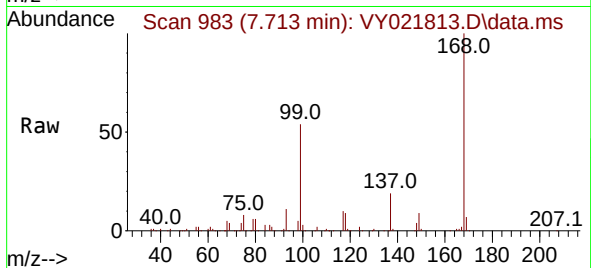




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

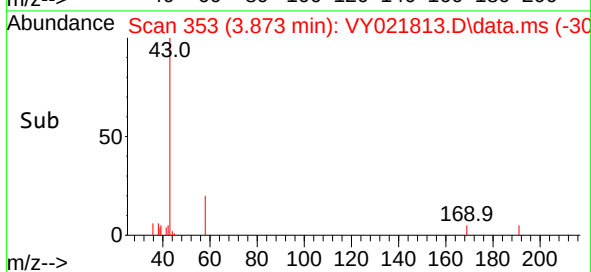
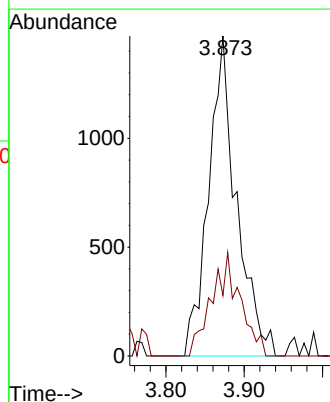
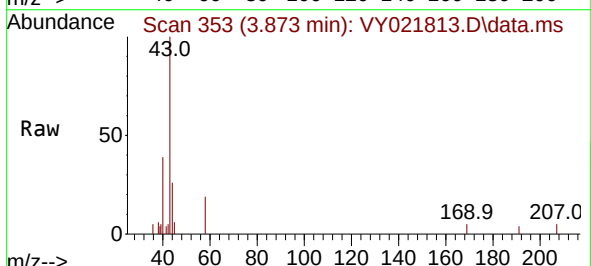
Instrument :
MSVOA_Y
ClientSampleId :
IB-6A-VOC

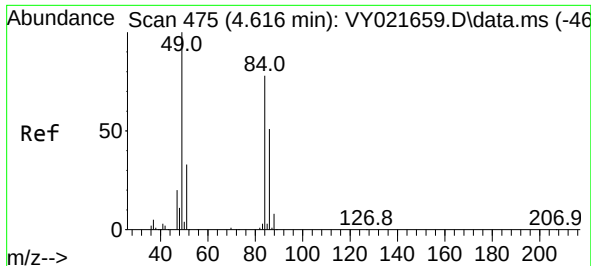
Tgt Ion:168 Resp: 149022
Ion Ratio Lower Upper
168 100
99 54.2 46.7 70.1



#16
Acetone
Concen: 11.000 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
58 18.9 24.2 36.4#

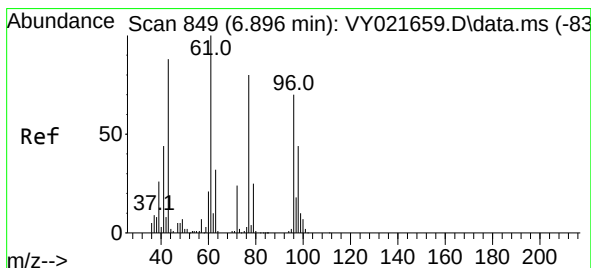
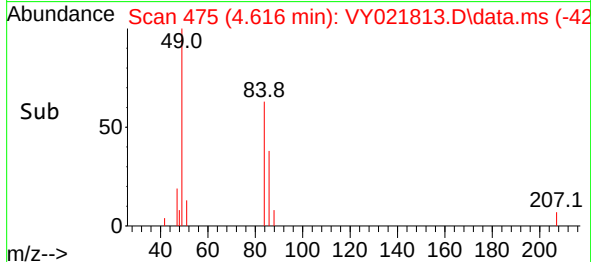
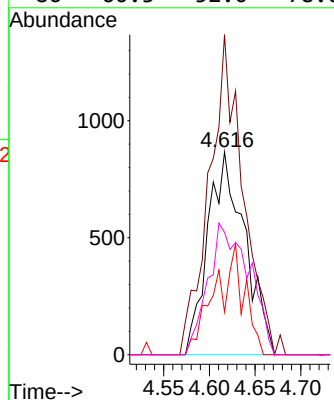
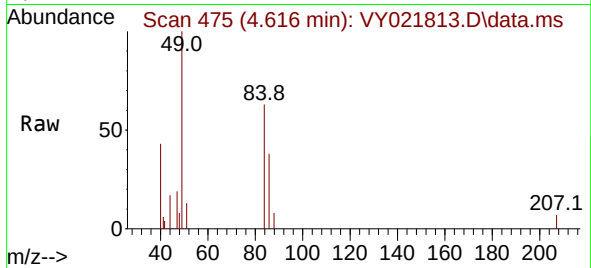




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

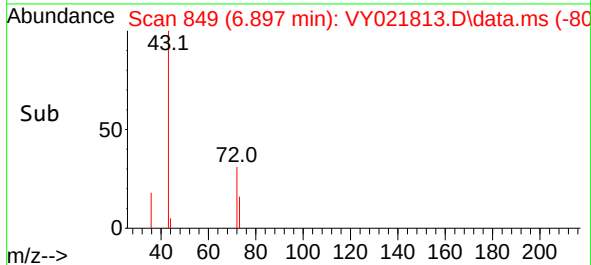
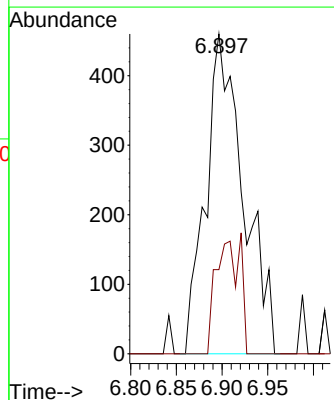
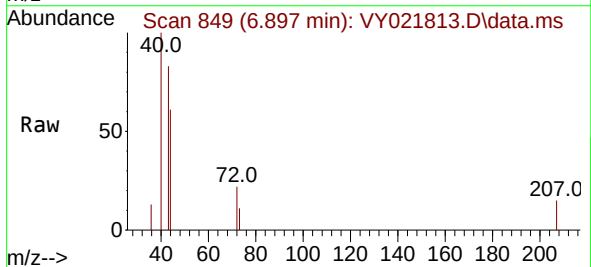
Instrument :
MSVOA_Y
ClientSampleId :
IB-6A-VOC

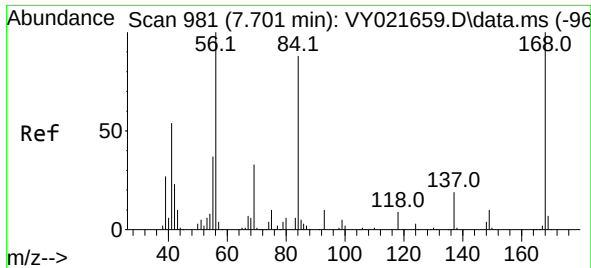
Tgt Ion: 84 Resp: 2440
Ion Ratio Lower Upper
84 100
49 157.8 102.8 154.2#
51 21.1 33.5 50.3#
86 60.3 52.0 78.0



#25
2-Butanone
Concen: 2.792 ug/l
RT: 6.897 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.2

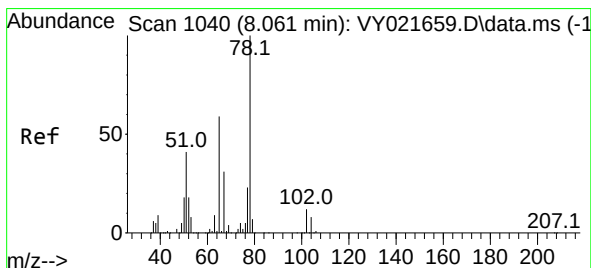
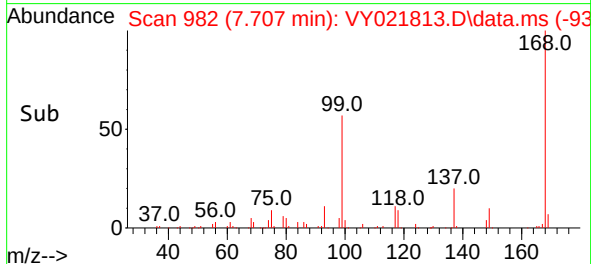
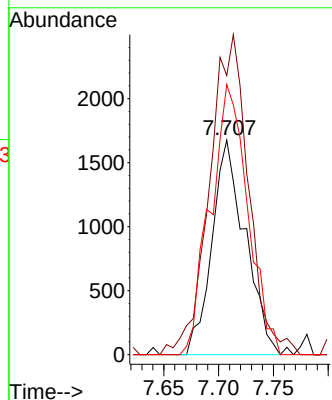
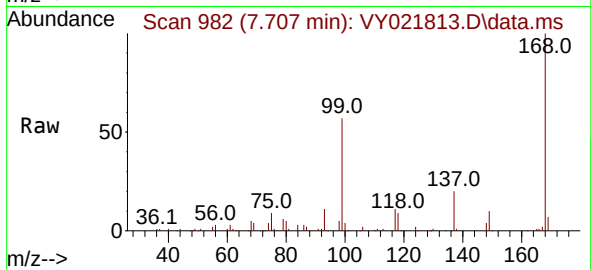




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

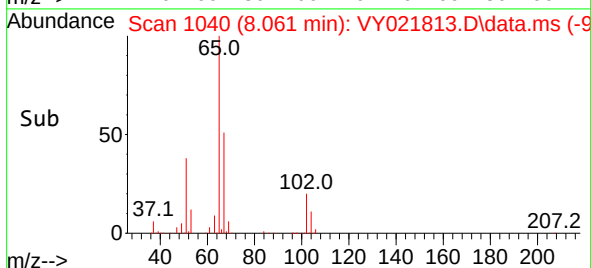
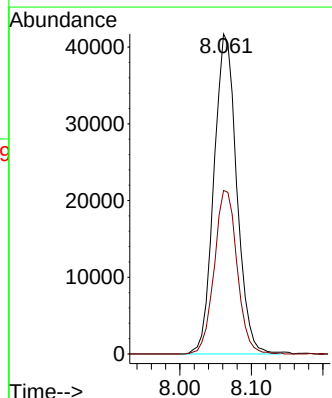
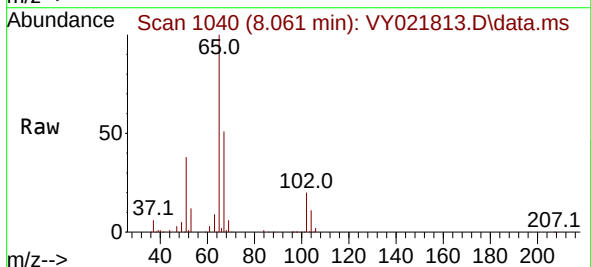
Instrument :
MSVOA_Y
ClientSampleId :
IB-6A-VOC

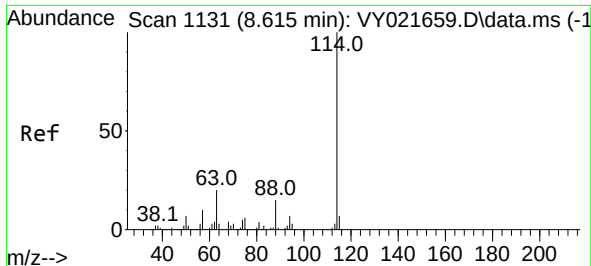
Tgt Ion: 56 Resp: 3529
Ion Ratio Lower Upper
56 100
69 124.2 26.6 40.0#
84 125.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 57.212 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 65 Resp: 92375
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6

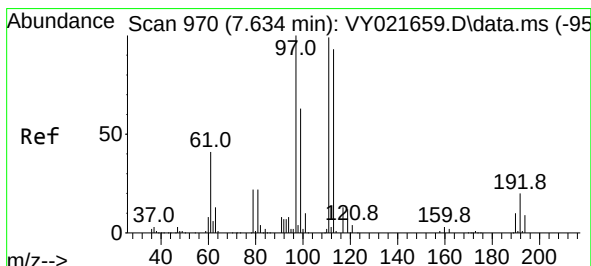
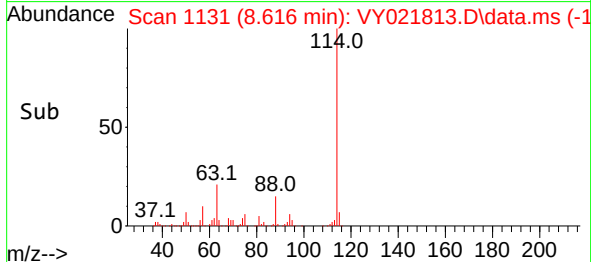
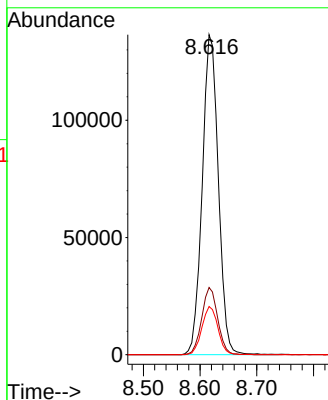
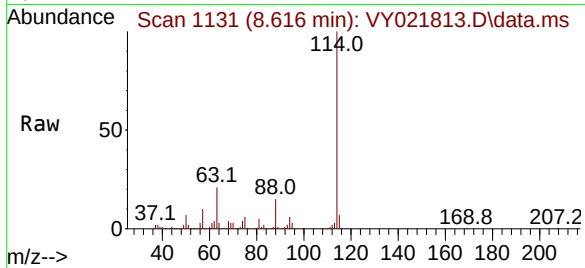




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

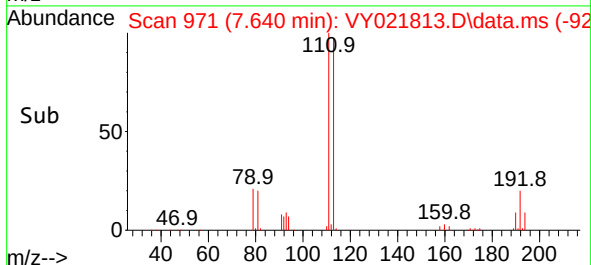
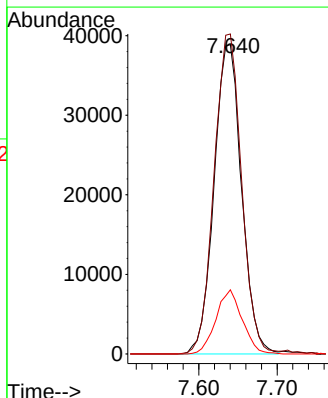
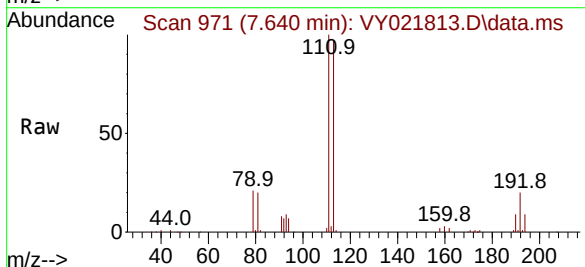
Instrument :
MSVOA_Y
ClientSampleId :
IB-6A-VOC

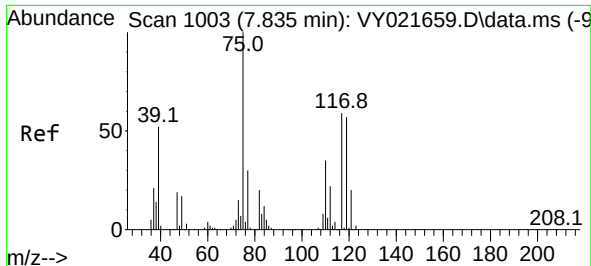
Tgt Ion:114 Resp: 269308
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.370 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion:113 Resp: 94982
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021813.D

Acq: 09 Apr 2025 12:53

Instrument :

MSVOA_Y

ClientSampleId :

IB-6A-VOC

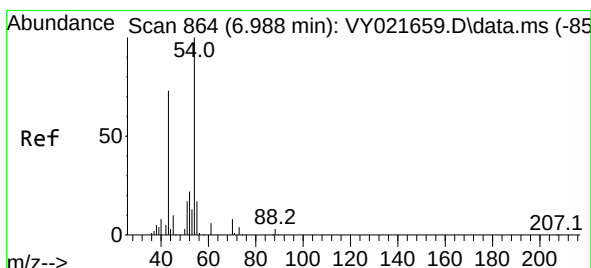
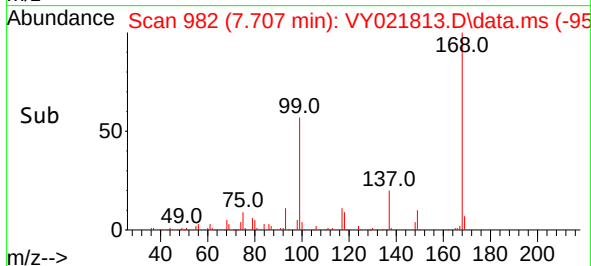
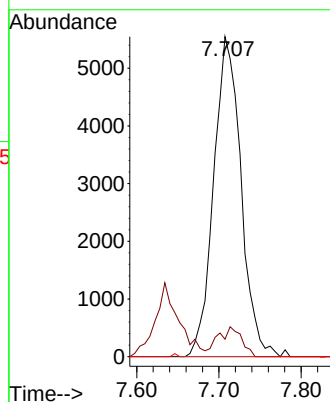
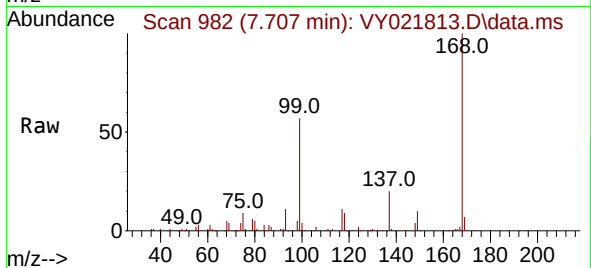
Tgt Ion: 75 Resp: 12801

Ion Ratio Lower Upper

75 100

110 8.1 17.0 50.9#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.050 ug/l

RT: 6.897 min Scan# 849

Delta R.T. -0.091 min

Lab File: VY021813.D

Acq: 09 Apr 2025 12:53

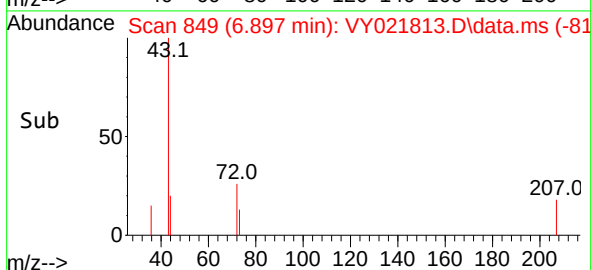
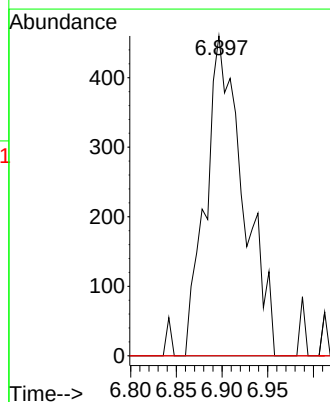
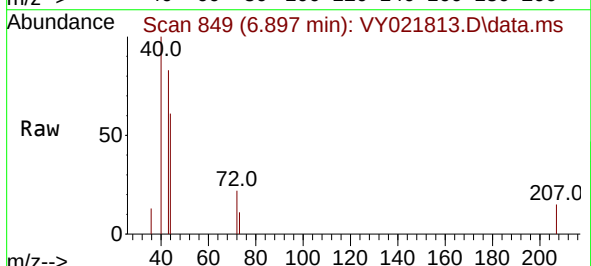
Tgt Ion: 43 Resp: 1318

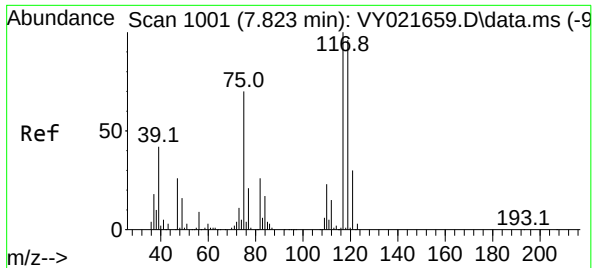
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.1 12.1#

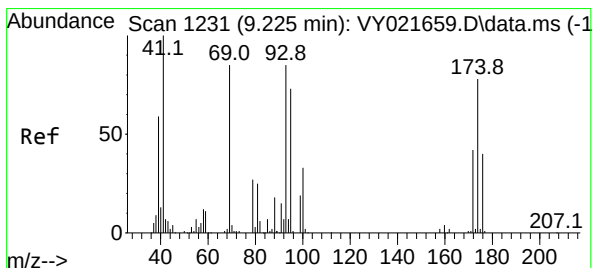
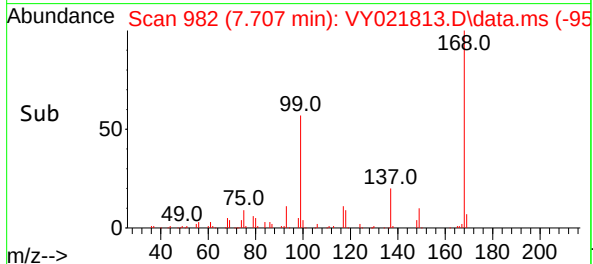
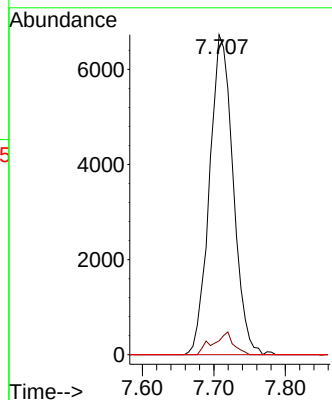
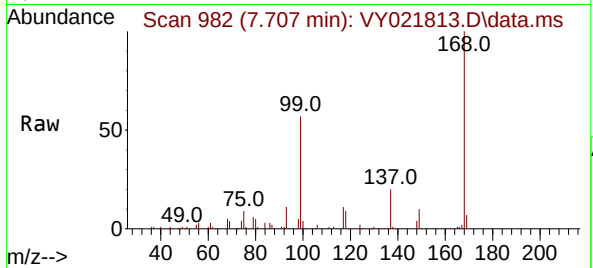




#38
Carbon Tetrachloride
Concen: 5.071 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

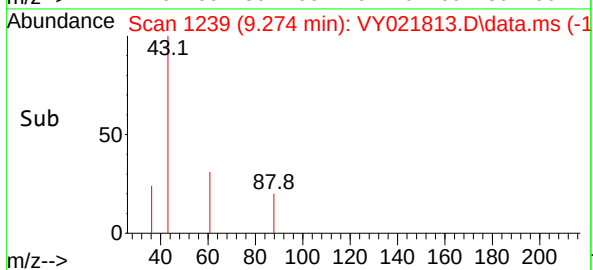
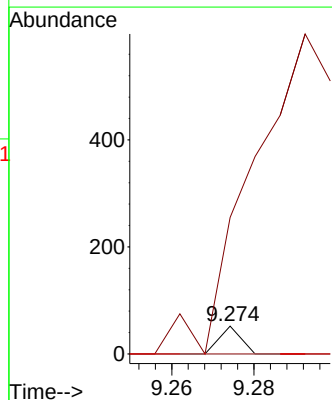
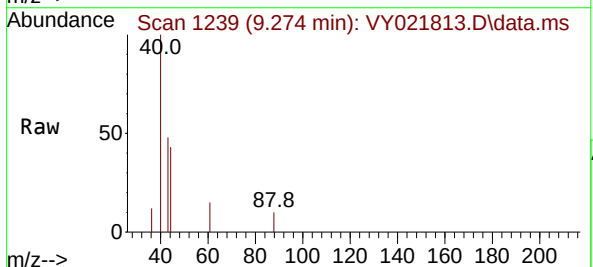
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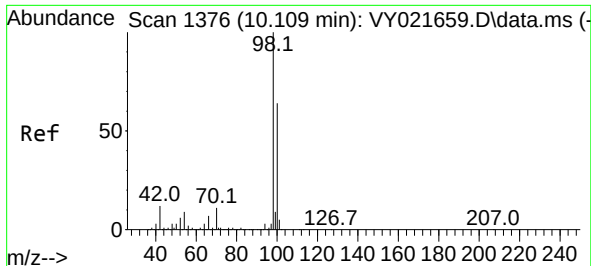
Tgt Ion:117 Resp: 15454
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.632 ug/l
RT: 9.274 min Scan# 1239
Delta R.T. 0.049 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 6473.7 28.8 43.2#
58 0.0 59.4 89.2#

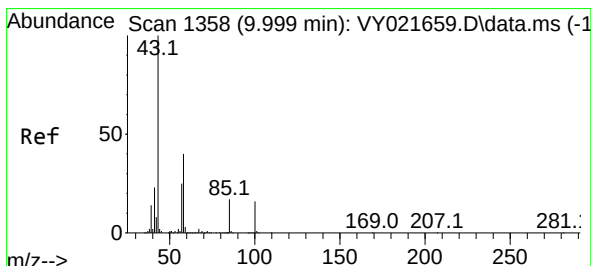
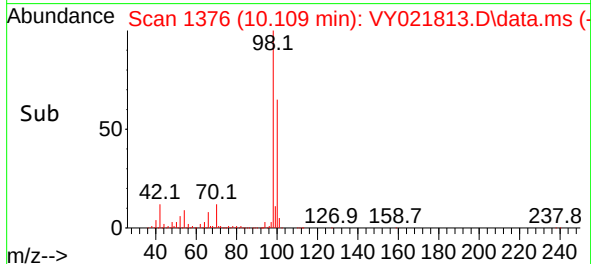
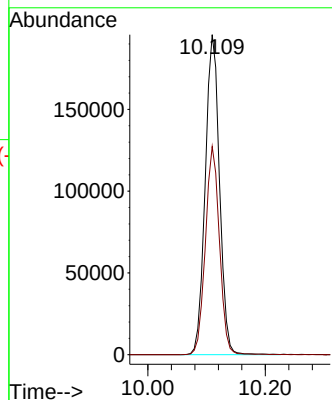
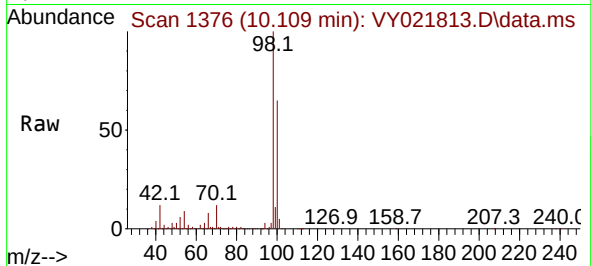




#50
Toluene-d8
Concen: 49.615 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

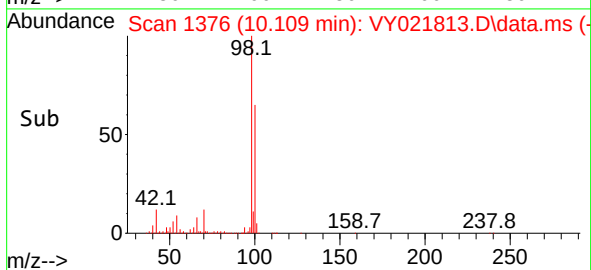
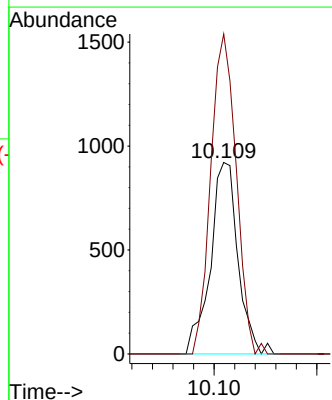
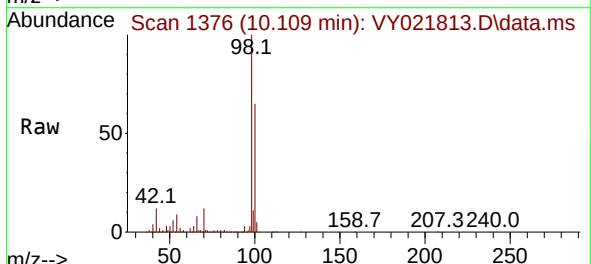
Instrument : MSVOA_Y
ClientSampleId : IB-6A-VOC

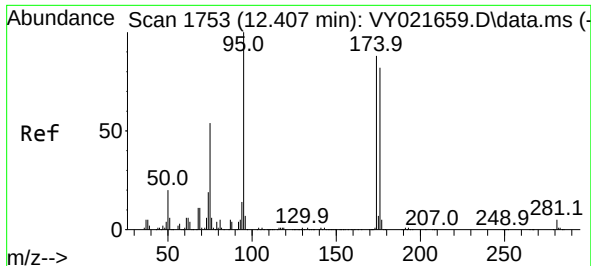
Tgt Ion: 98 Resp: 329738
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.386 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
58 153.8 31.5 47.3#

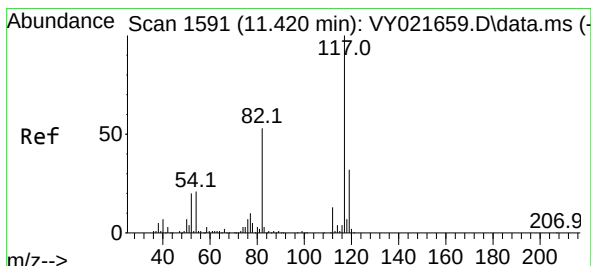
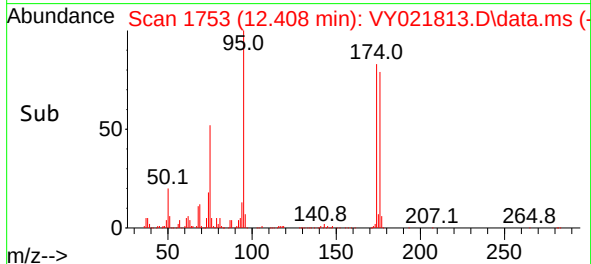
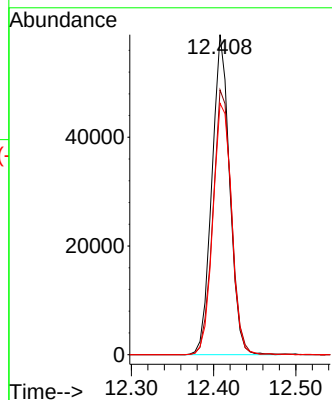
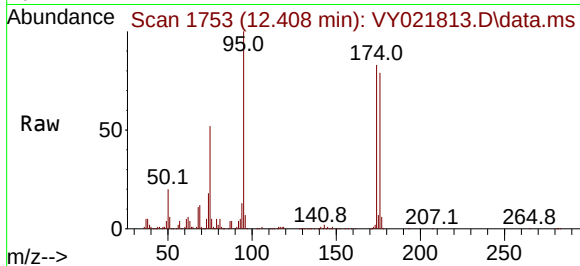




#62
4-Bromofluorobenzene
Concen: 39.432 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

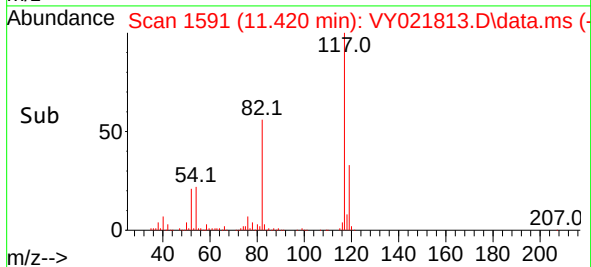
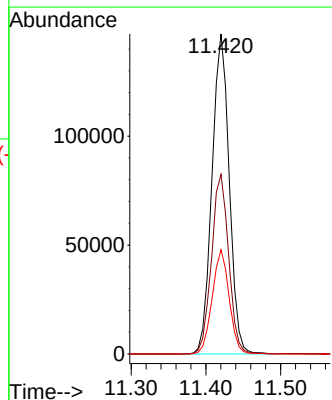
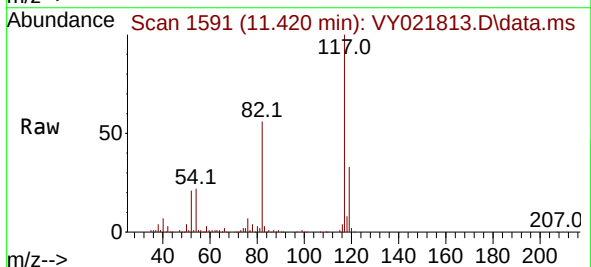
Instrument :
MSVOA_Y
ClientSampleId :
IB-6A-VOC

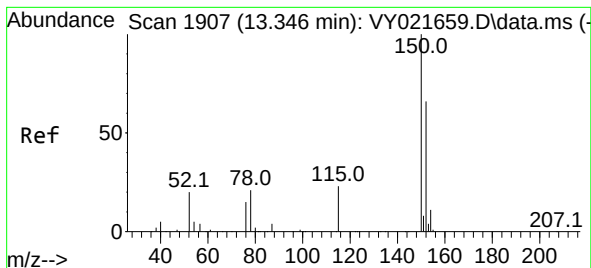
Tgt Ion: 95 Resp: 88641
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.8
176 82.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021813.D
Acq: 09 Apr 2025 12:53

Tgt Ion: 117 Resp: 235402
Ion Ratio Lower Upper
117 100
82 56.1 42.8 64.2
119 32.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY021813.D

Acq: 09 Apr 2025 12:53

Instrument :

MSVOA_Y

ClientSampleId :

IB-6A-VOC

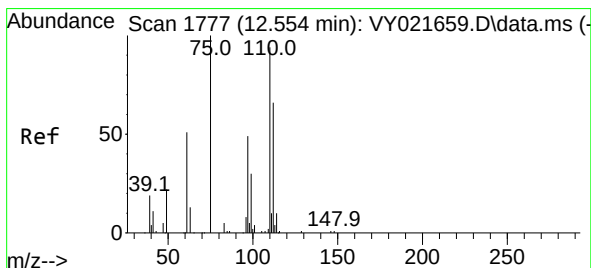
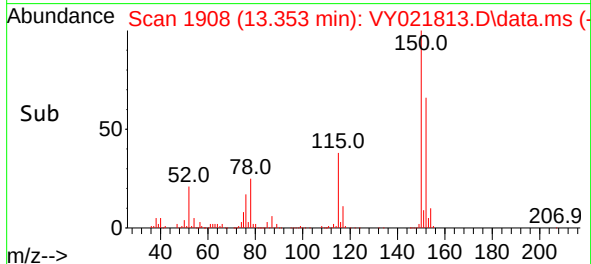
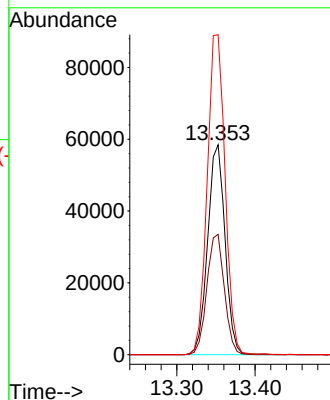
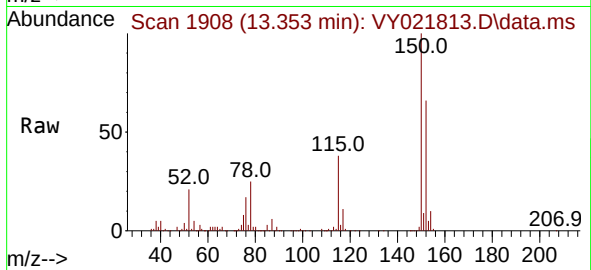
Tgt Ion:152 Resp: 89923

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.6 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.021 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021813.D

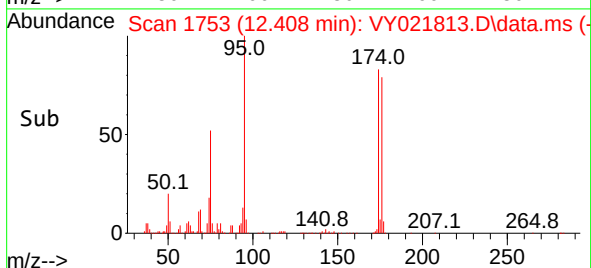
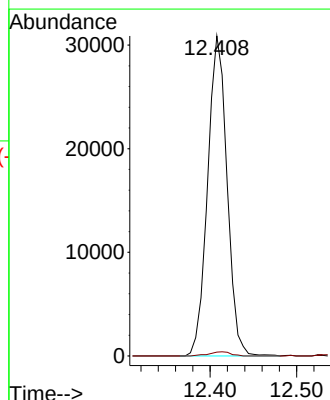
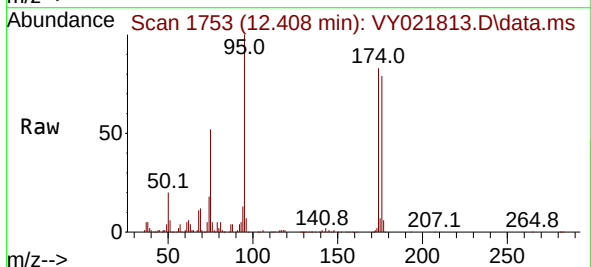
Acq: 09 Apr 2025 12:53

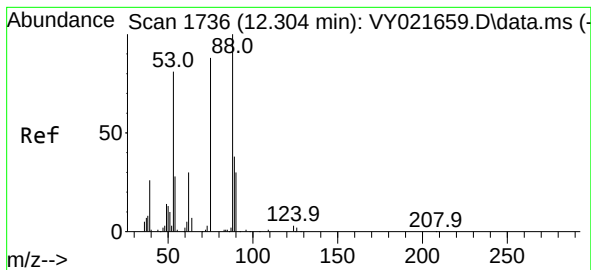
Tgt Ion: 75 Resp: 48153

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.475 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021813.D
 Acq: 09 Apr 2025 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-6A-VOC

Tgt Ion: 75 Resp: 48153
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.2 54.4#

