

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022040.D
 Acq On : 28 Apr 2025 18:36
 Operator : SY/MD
 Sample : Q1900-11
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Apr 29 03:56:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	306350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	572229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	500683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	186768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142073	50.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.420%	
35) Dibromofluoromethane	7.634	113	189255	50.061	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.109	98	684975	48.061	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.120%	
62) 4-Bromofluorobenzene	12.407	95	185235	38.608	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.220%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	7012	Below Cal	#	88
25) 2-Butanone	6.914	43	1977	3.065	ug/l #	74
31) Cyclohexane	7.707	56	7377	1.577	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	22535	4.438	ug/l #	47
37) Ethyl Acetate	6.914	43	1977	1.084	ug/l #	66
38) Carbon Tetrachloride	7.701	117	29922	4.931	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2588	1.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	88445	55.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	88445	133.138	ug/l #	16

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

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Quant Title : SW846 8260
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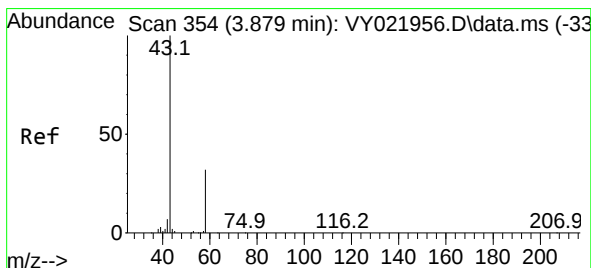
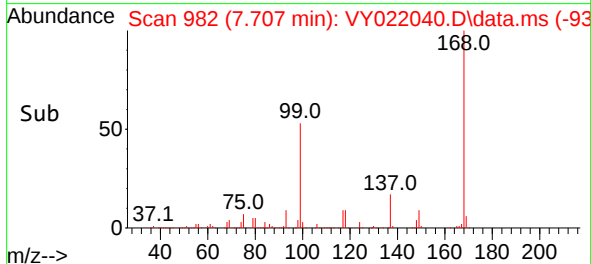
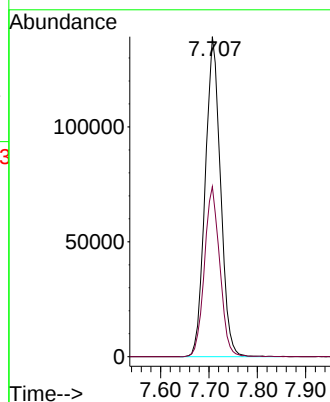
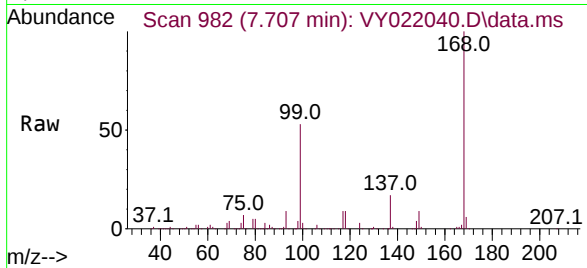




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

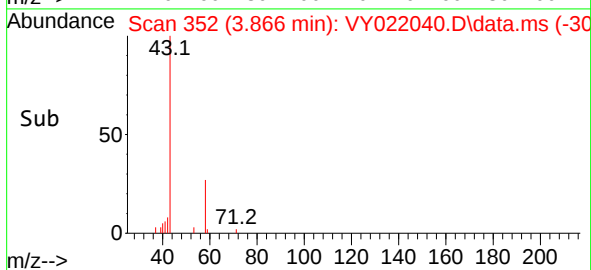
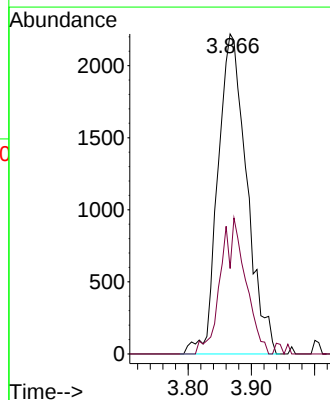
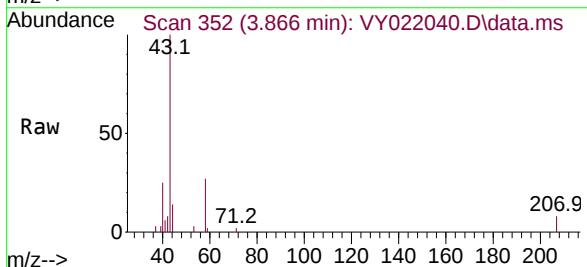
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

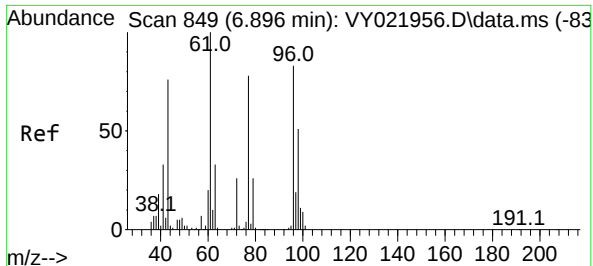
Tgt Ion:168 Resp: 306350
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

Tgt Ion: 43 Resp: 7012
Ion Ratio Lower Upper
43 100
58 26.7 27.0 40.4#





#25

2-Butanone

Concen: 3.065 ug/l

RT: 6.914 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY022040.D

Acq: 28 Apr 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

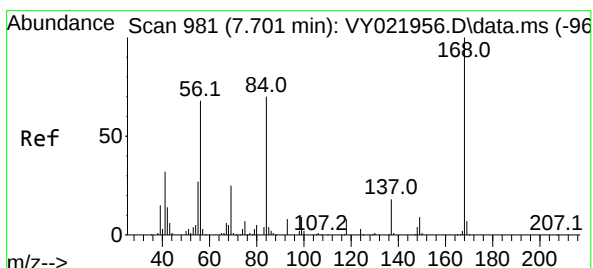
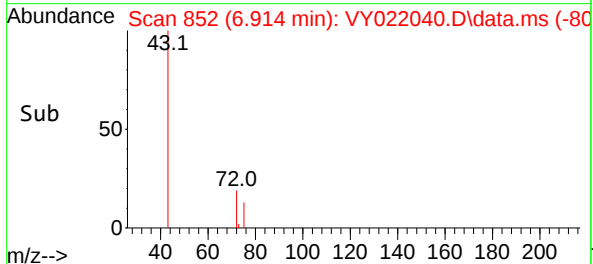
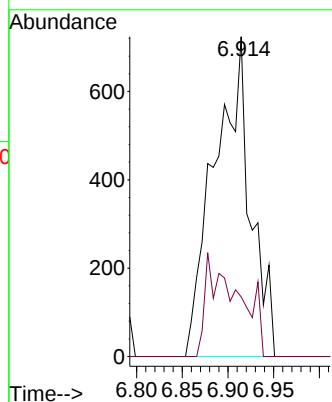
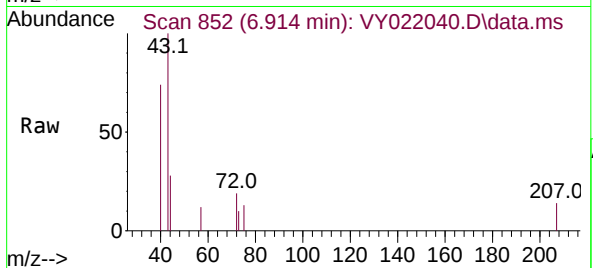
WC-3-VOC

Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

43 100

72 18.6 27.0 40.4#



#31

Cyclohexane

Concen: 1.577 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022040.D

Acq: 28 Apr 2025 18:36

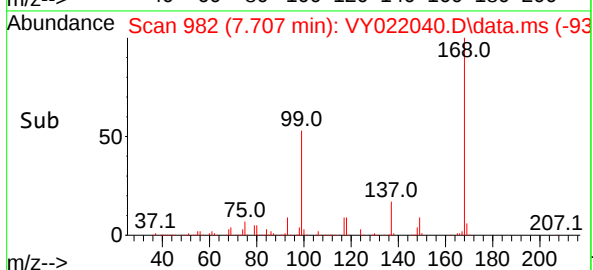
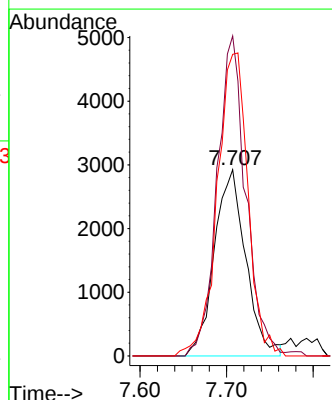
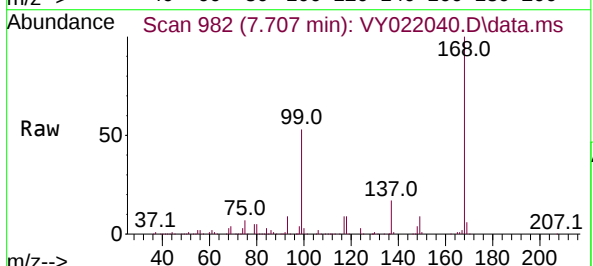
Tgt Ion: 56 Resp: 7377

Ion Ratio Lower Upper

56 100

69 171.8 29.4 44.2#

84 159.1 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 50.208 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022040.D

Acq: 28 Apr 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

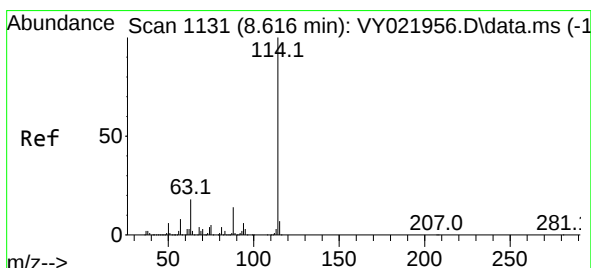
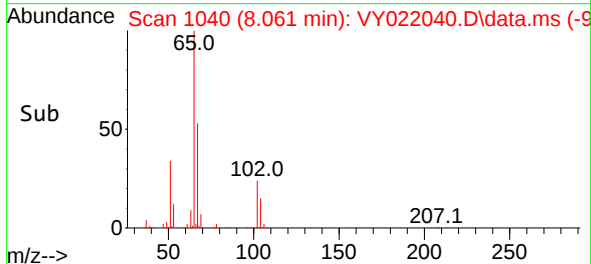
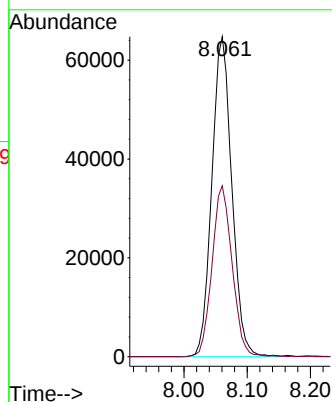
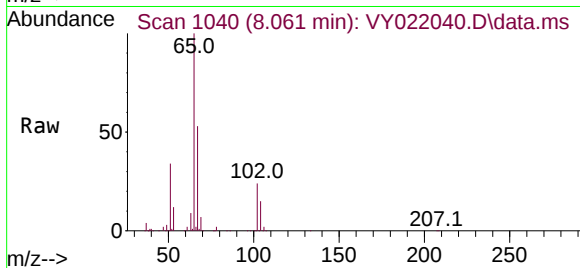
WC-3-VOC

Tgt Ion: 65 Resp: 142073

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022040.D

Acq: 28 Apr 2025 18:36

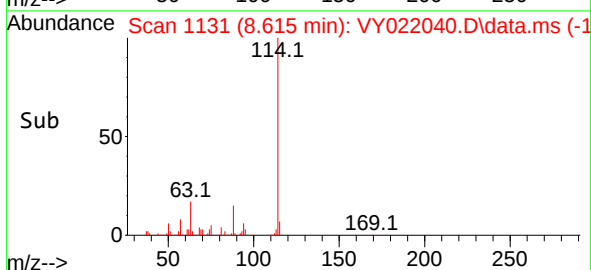
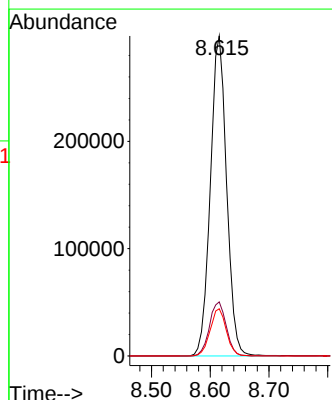
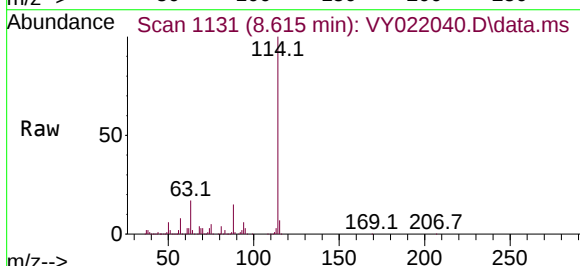
Tgt Ion: 114 Resp: 572229

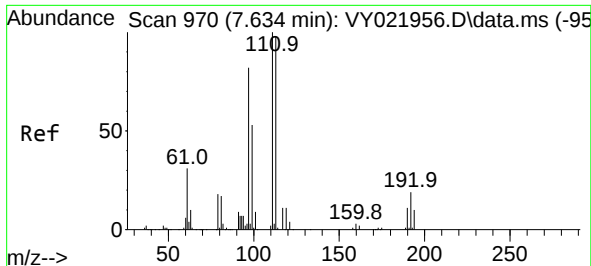
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.7 0.0 28.2

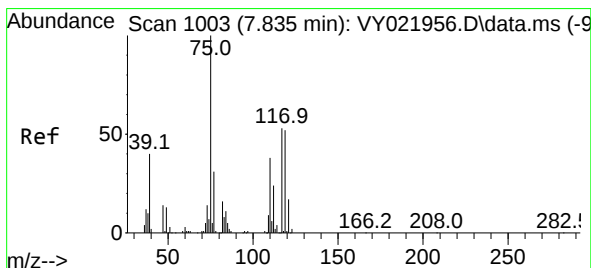
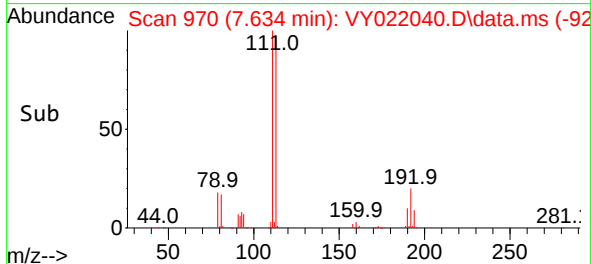
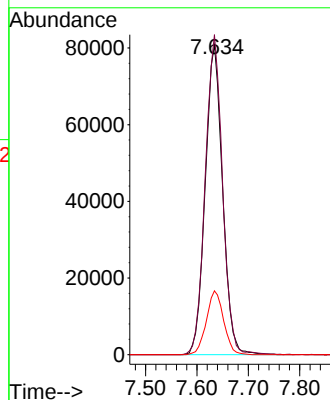
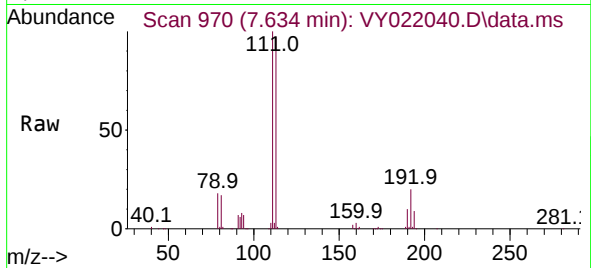




#35
Dibromofluoromethane
Concen: 50.061 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

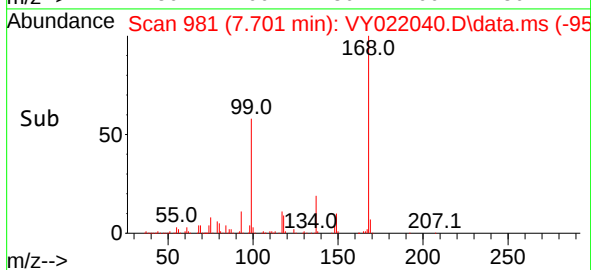
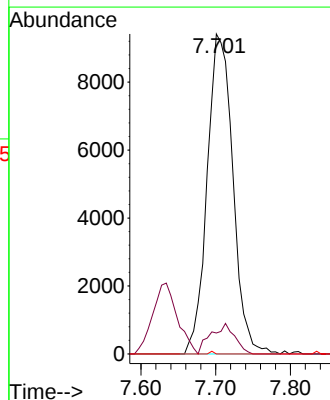
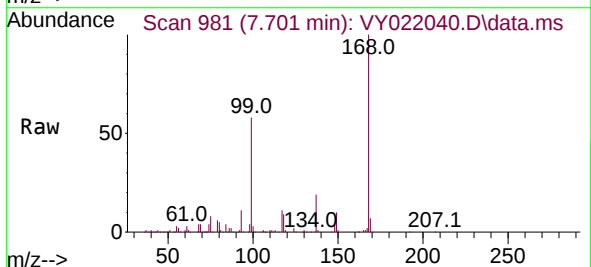
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

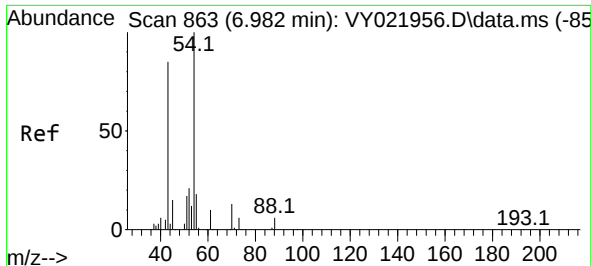
Tgt Ion:113 Resp: 189255
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 20.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.438 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

Tgt Ion: 75 Resp: 22535
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.5 38.3#

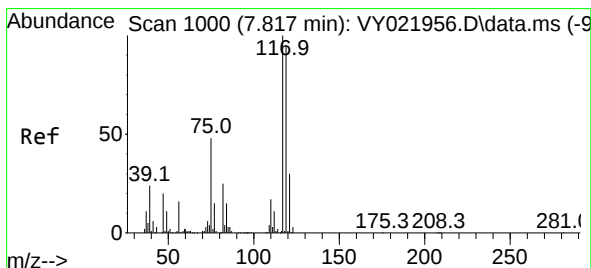
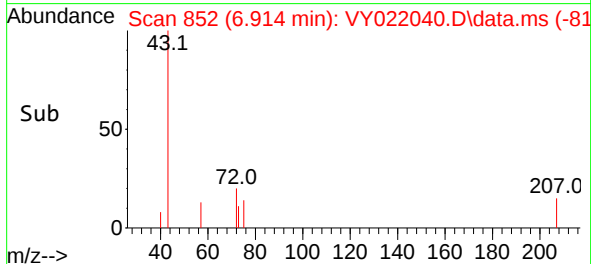
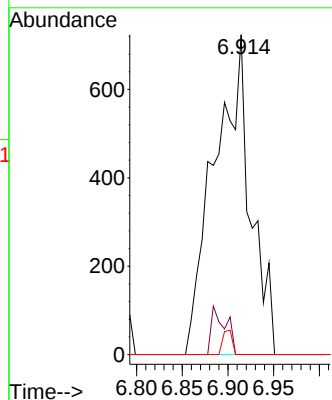
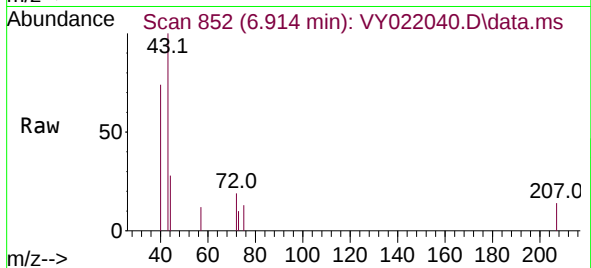




#37
Ethyl Acetate
Concen: 1.084 ug/l
RT: 6.914 min Scan# 81
Delta R.T. -0.067 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

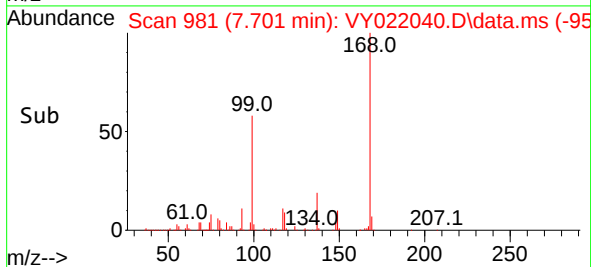
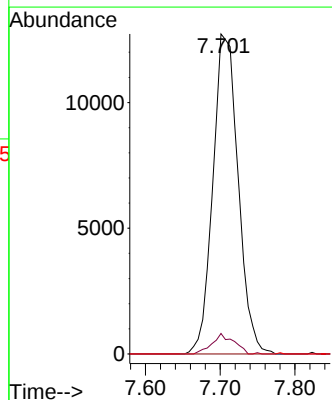
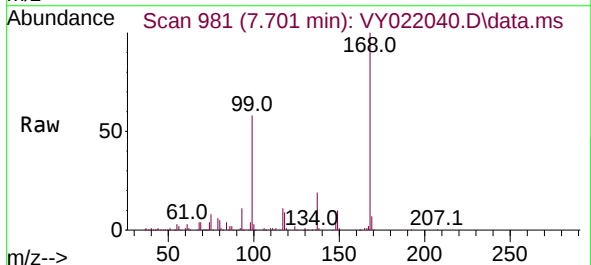
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

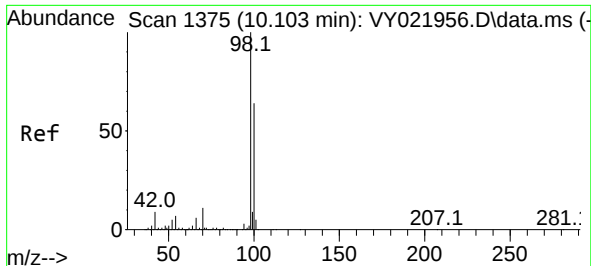
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
61 0.0 13.8 20.6#
70 2.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 4.931 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

Tgt Ion: 117 Resp: 29922
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.4#
121 0.0 24.0 36.0#

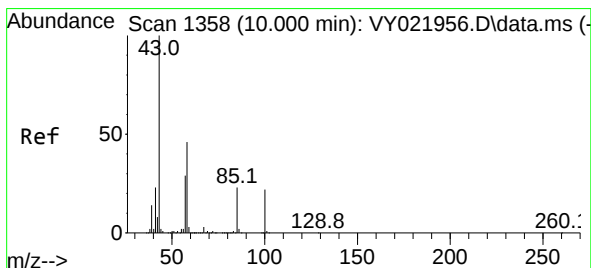
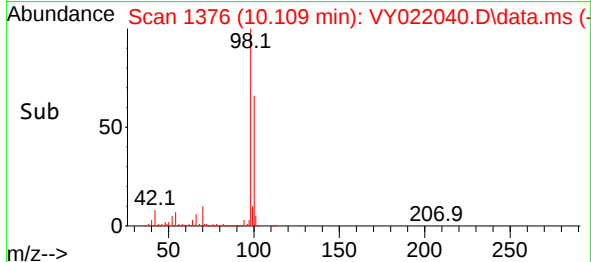
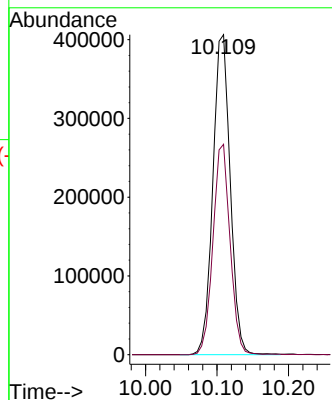
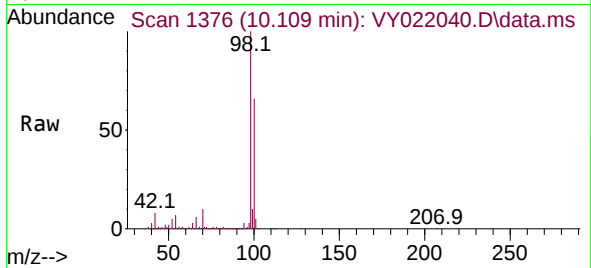




#50
Toluene-d8
Concen: 48.061 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

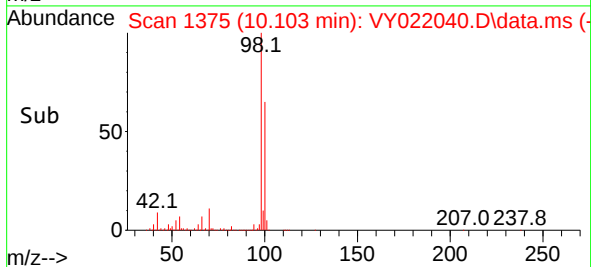
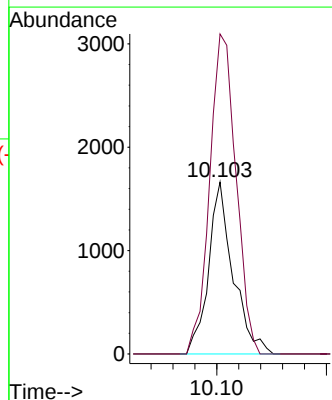
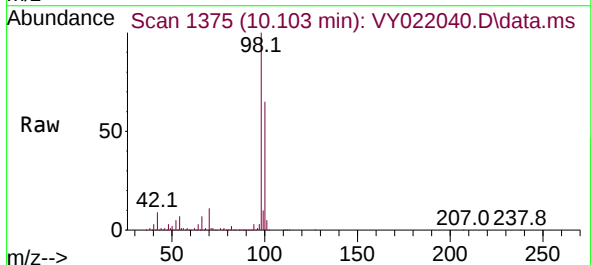
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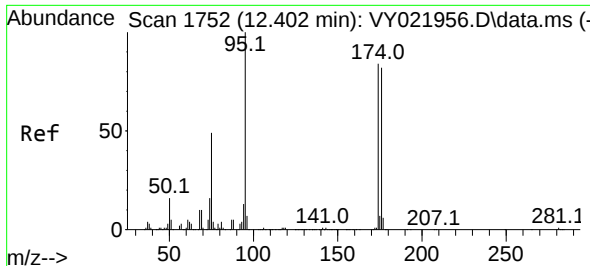
Tgt Ion: 98 Resp: 684975
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 200.0 36.6 55.0#

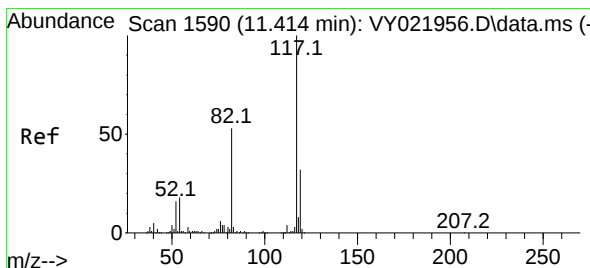
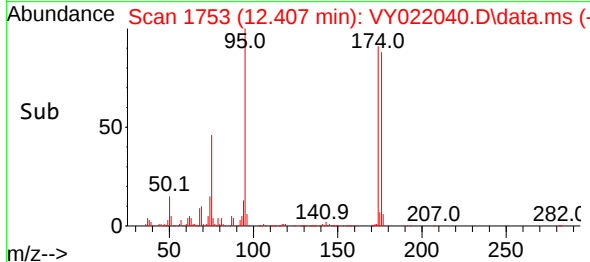
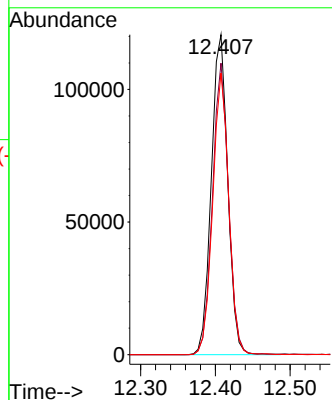
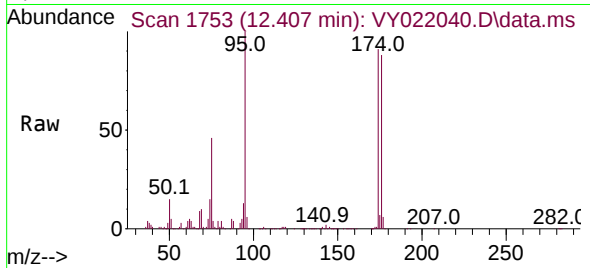




#62
4-Bromofluorobenzene
Concen: 38.608 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

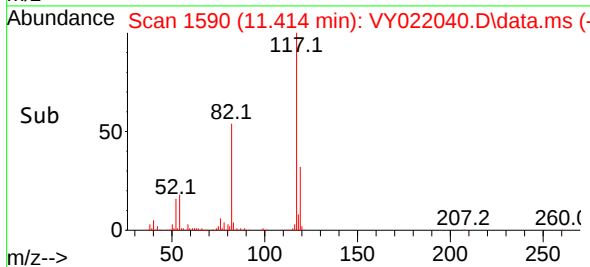
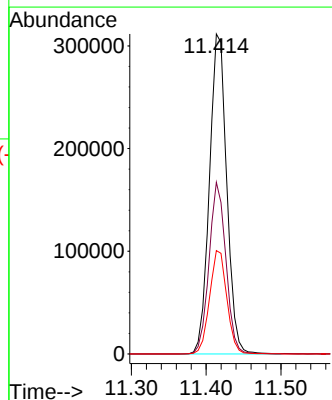
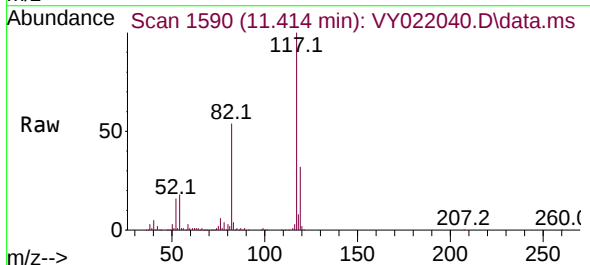
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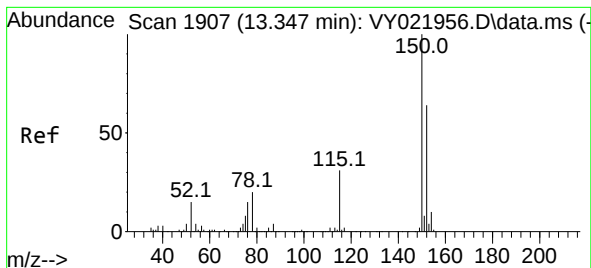
Tgt Ion: 95 Resp: 185235
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 85.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022040.D
Acq: 28 Apr 2025 18:36

Tgt Ion: 117 Resp: 500683
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 32.3 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: VY022040.D

Acq: 28 Apr 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

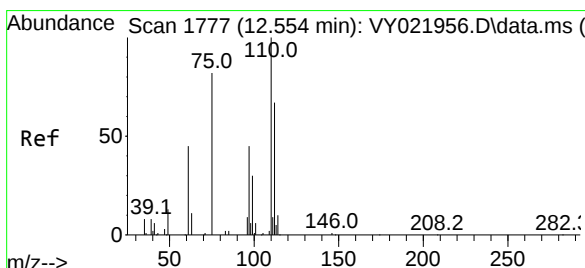
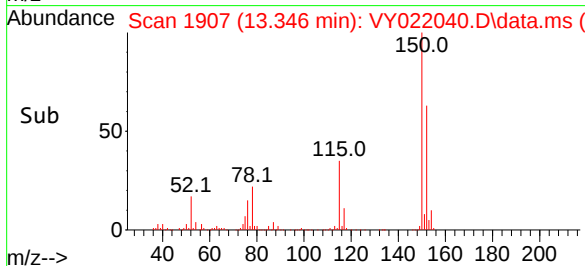
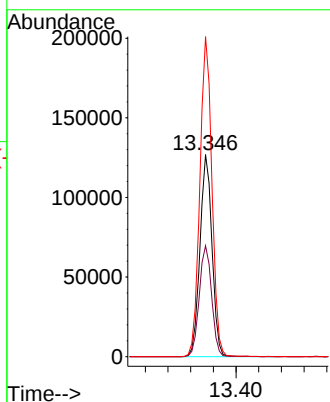
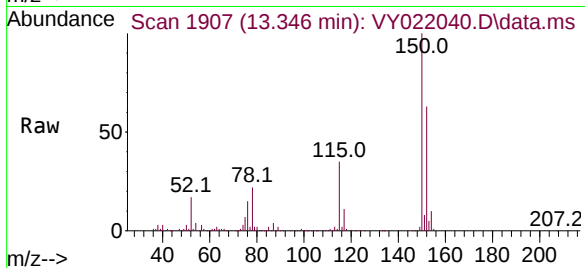
Tgt Ion:152 Resp: 186768

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 158.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.286 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY022040.D

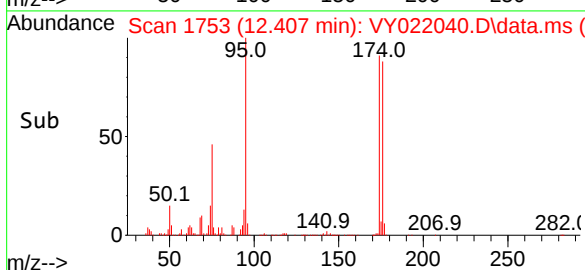
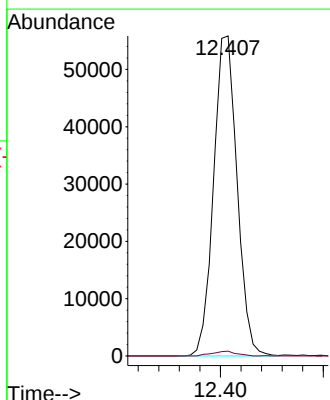
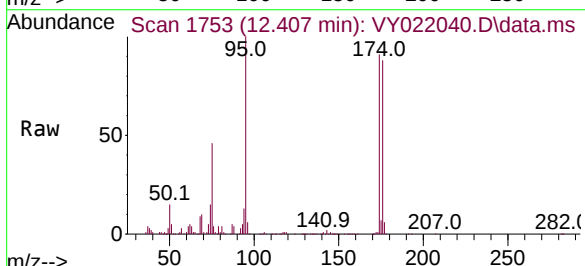
Acq: 28 Apr 2025 18:36

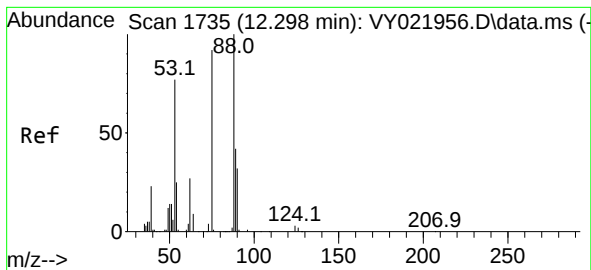
Tgt Ion: 75 Resp: 88445

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.138 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY022040.D
 Acq: 28 Apr 2025 18:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Tgt Ion: 75 Resp: 88445
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.0 99.0#
 89 0.1 37.2 55.8#

