

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022828.D
 Acq On : 25 Jun 2025 16:29
 Operator : SY/MD
 Sample : Q2415-03
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jun 26 01:28:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

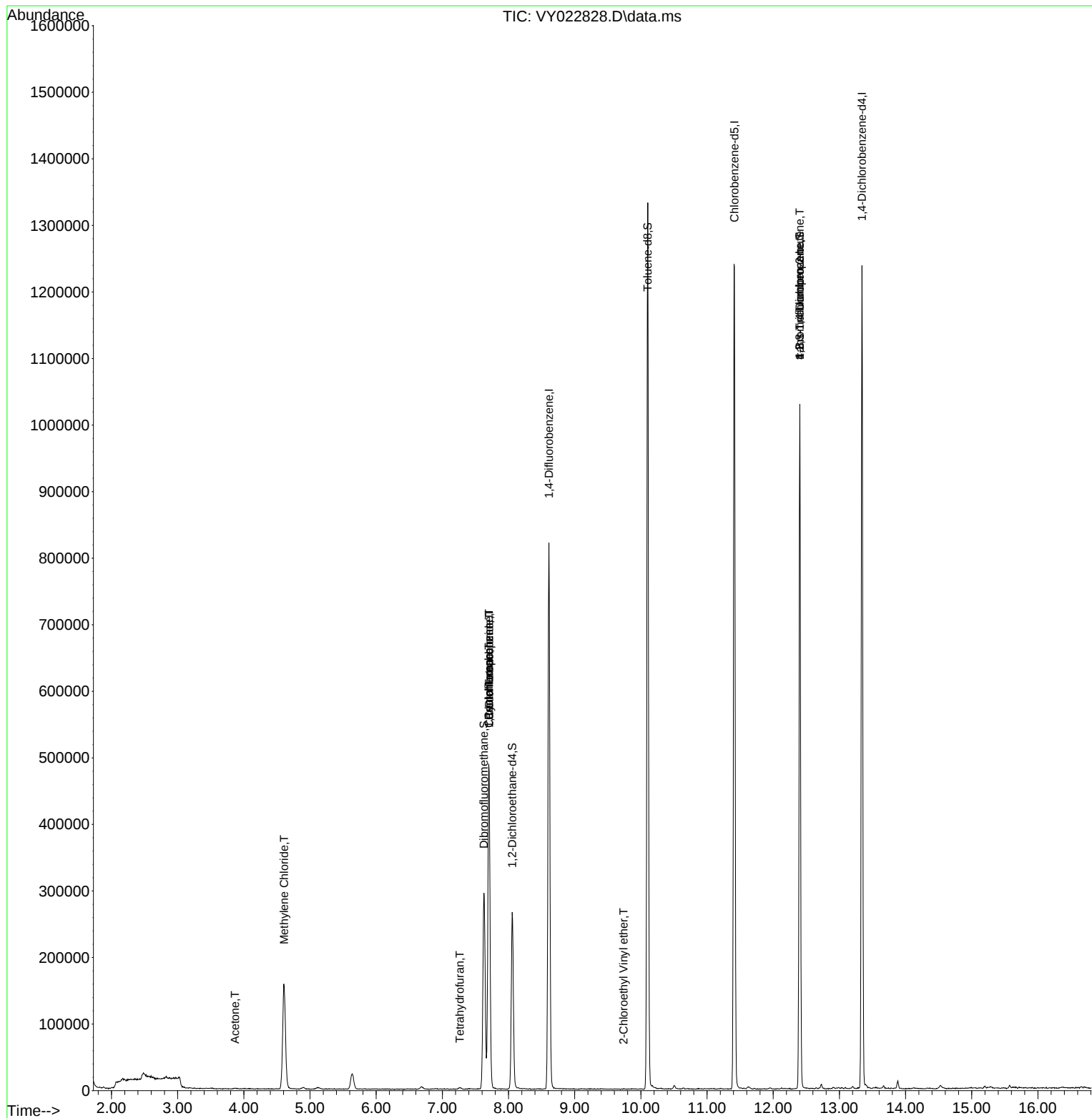
Internal Standards						
1) Pentafluorobenzene	7.701	168	379004	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	682587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	298553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	207629	49.084	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.628	113	209876	50.558	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.120%
50) Toluene-d8	10.103	98	824087	50.028	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.060%
62) 4-Bromofluorobenzene	12.402	95	286018	54.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.020%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1913	2.393	ug/l	96
20) Methylene Chloride	4.610	84	116068	22.988	ug/l	93
29) Tetrahydrofuran	7.262	42	1507	2.051	ug/l #	55
31) Cyclohexane	7.701	56	8838	1.216	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	31980	5.083	ug/l #	50
38) Carbon Tetrachloride	7.707	117	37920	5.712	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.737	63	20	15.663	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	160013	52.498	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	160013	132.631	ug/l #	11

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

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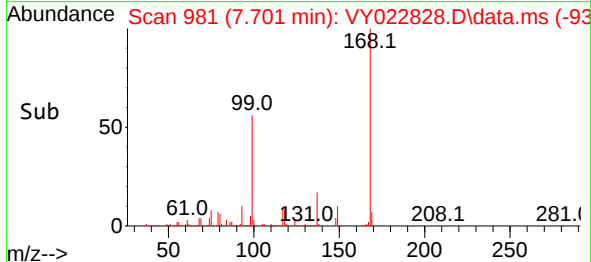
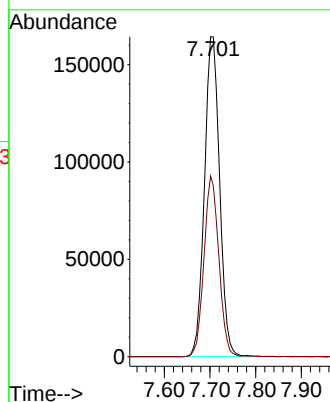
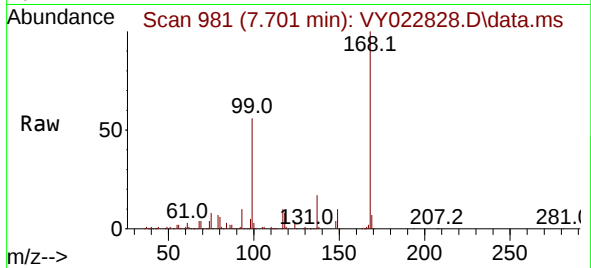




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

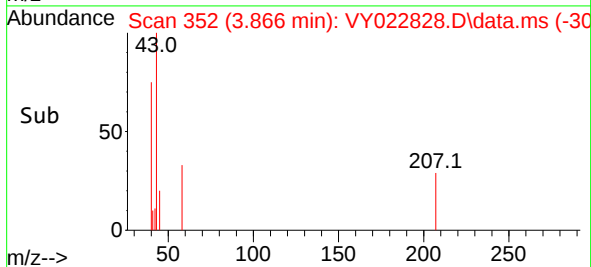
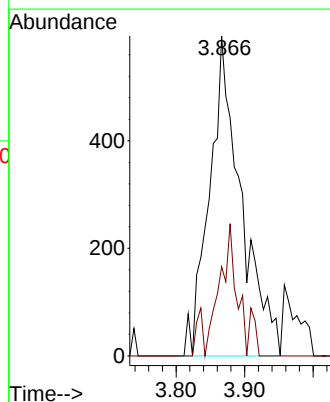
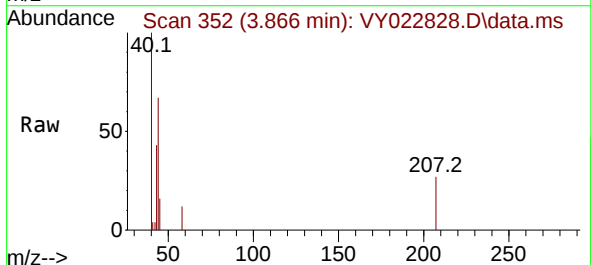
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

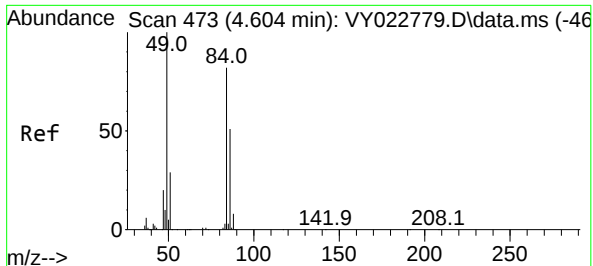
Tgt Ion:168 Resp: 379004
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#16
Acetone
Concen: 2.393 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 27.9 24.0 36.0

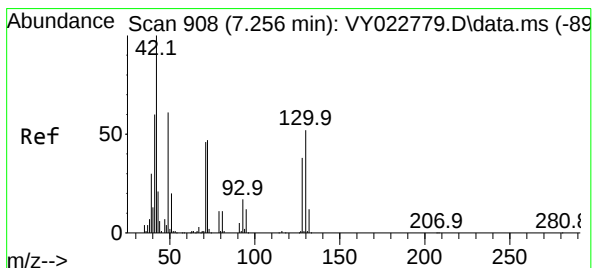
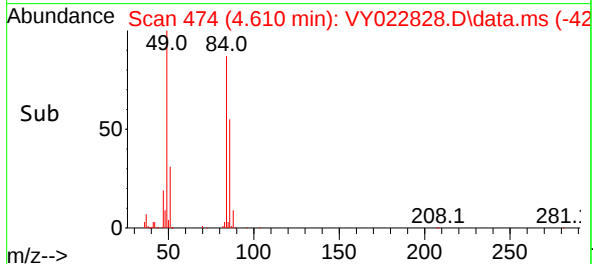
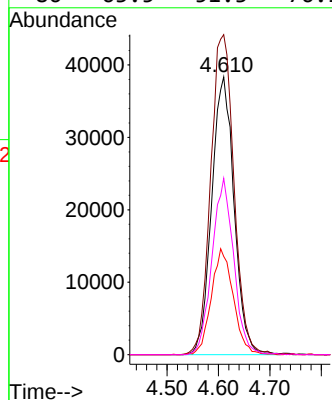
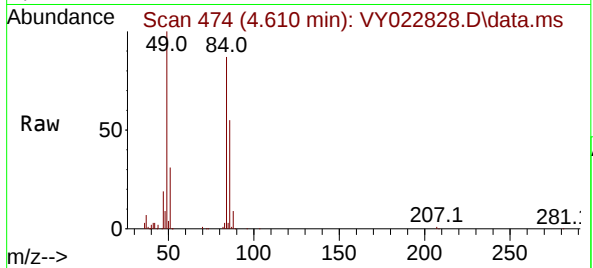




#20
Methylene Chloride
Concen: 22.988 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

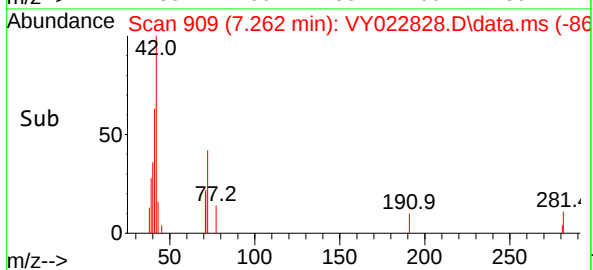
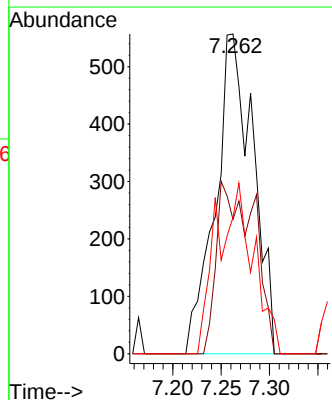
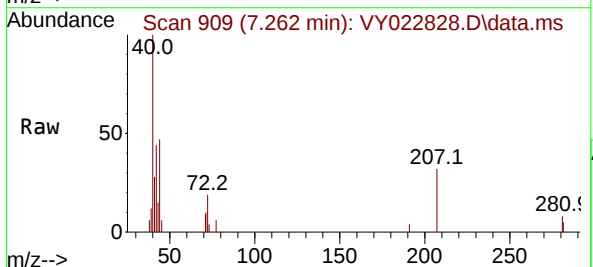
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

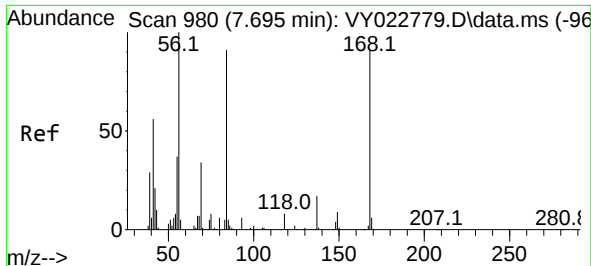
Tgt Ion: 84 Resp: 116068
Ion Ratio Lower Upper
84 100
49 115.2 101.9 152.9
51 35.4 29.8 44.8
86 63.5 51.3 76.9



#29
Tetrahydrofuran
Concen: 2.051 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 42 Resp: 1507
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.2#
71 31.5 34.2 51.2#

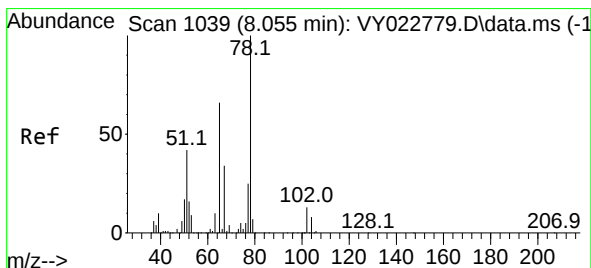
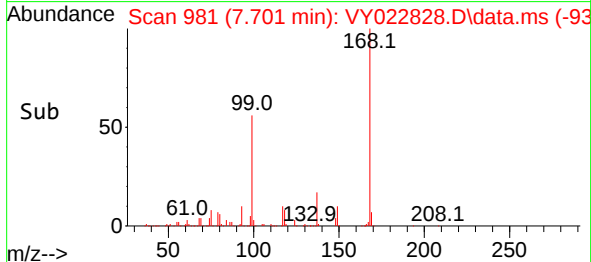
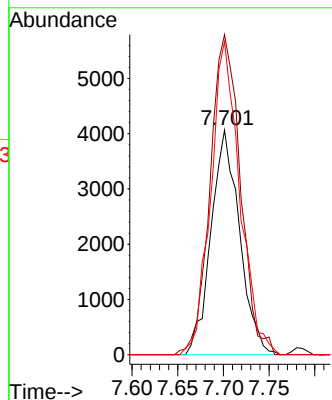
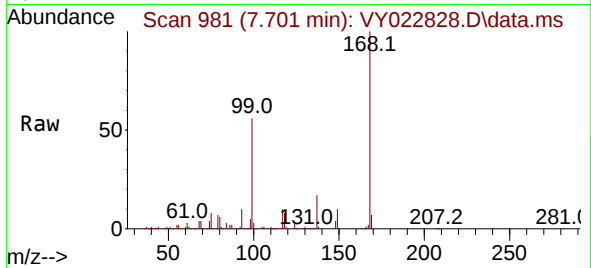




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

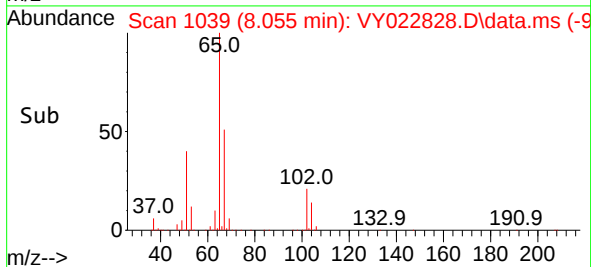
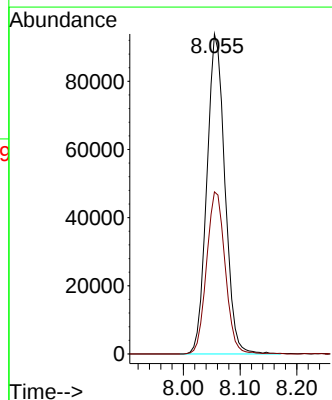
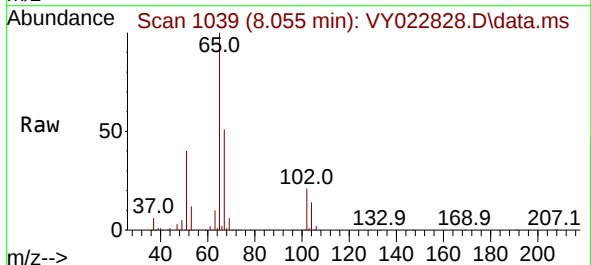
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

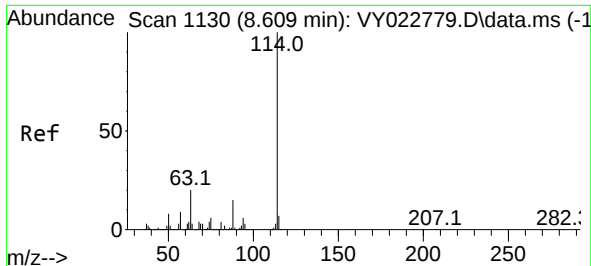
Tgt Ion: 56 Resp: 8838
Ion Ratio Lower Upper
56 100
69 142.4 27.0 40.6#
84 139.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.084 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 65 Resp: 207629
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

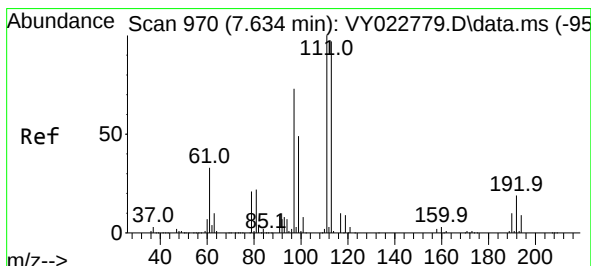
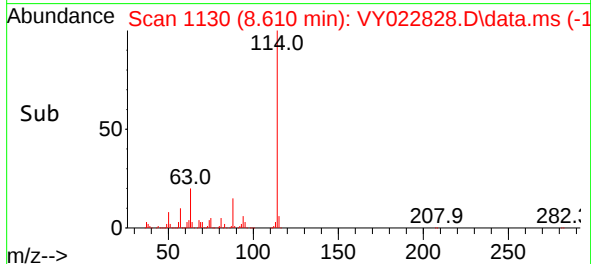
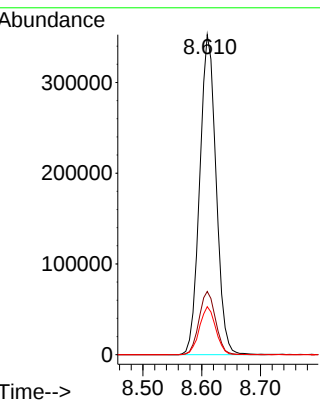
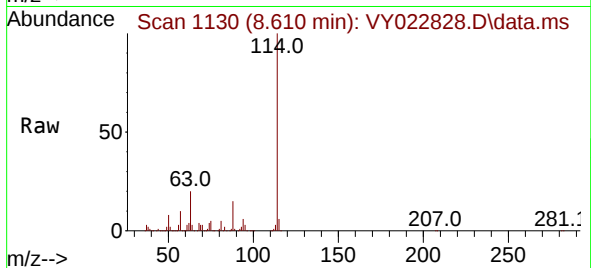
Tgt Ion:114 Resp: 682587

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.558 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

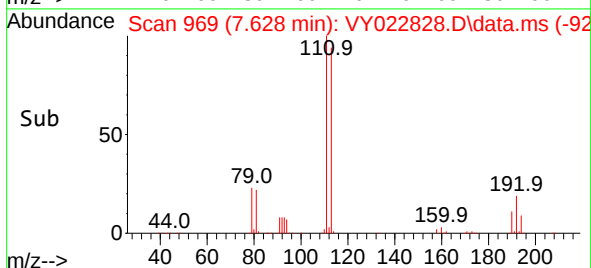
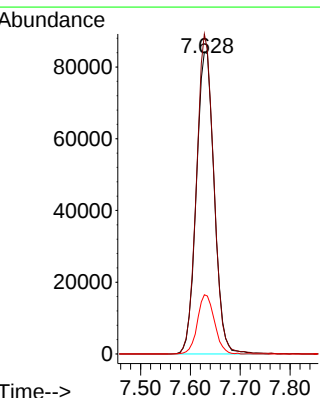
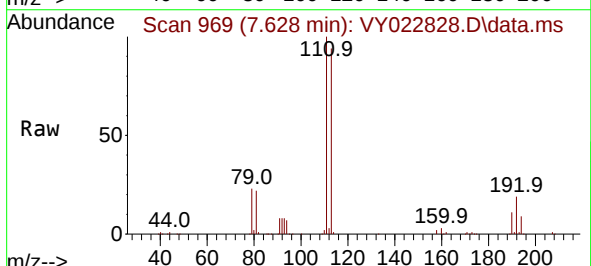
Tgt Ion:113 Resp: 209876

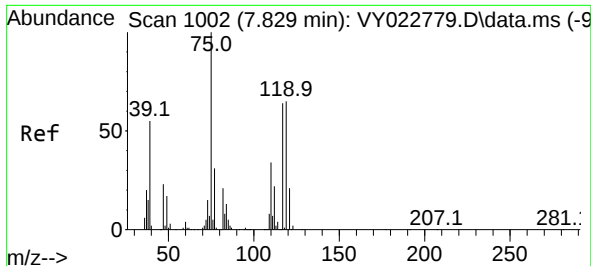
Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 18.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

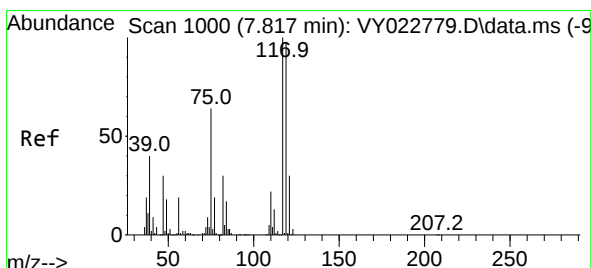
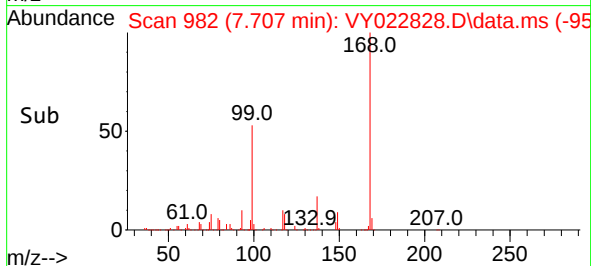
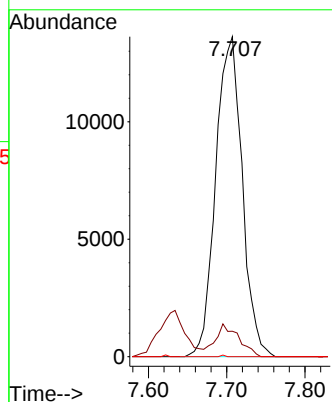
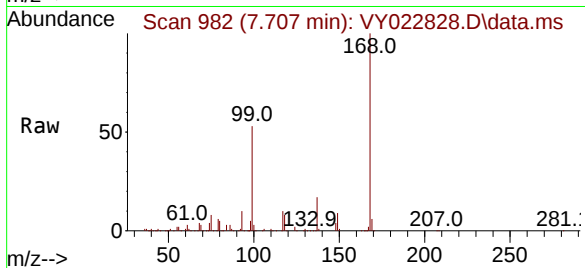
Tgt Ion: 75 Resp: 31980

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.712 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

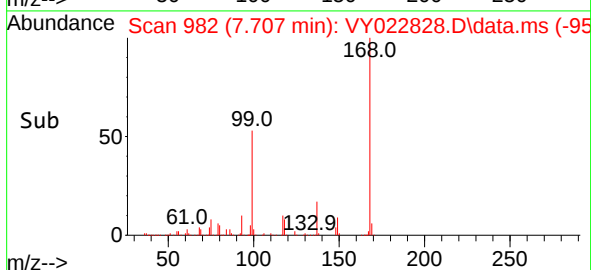
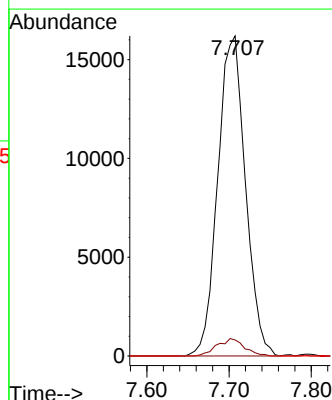
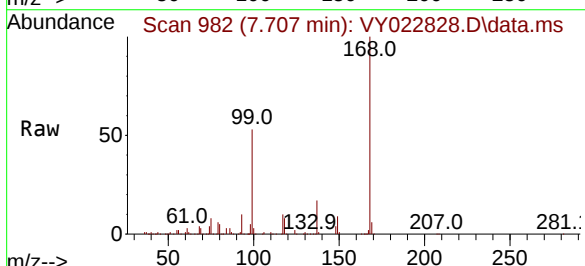
Tgt Ion: 117 Resp: 37920

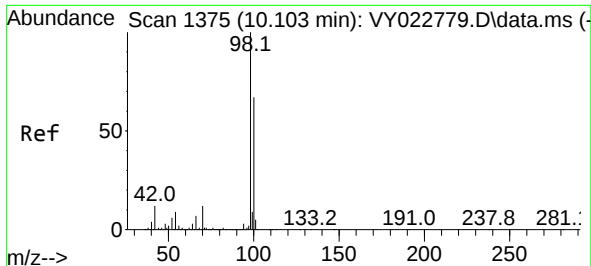
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#

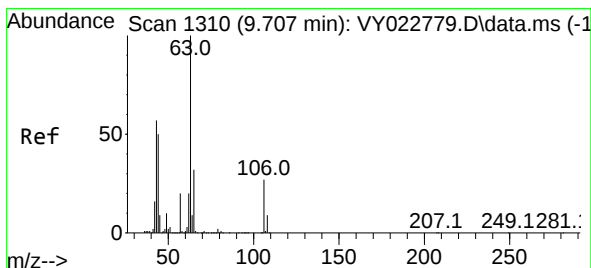
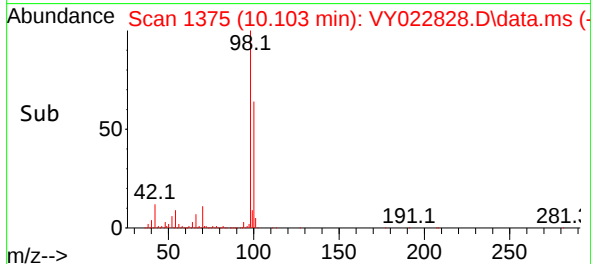
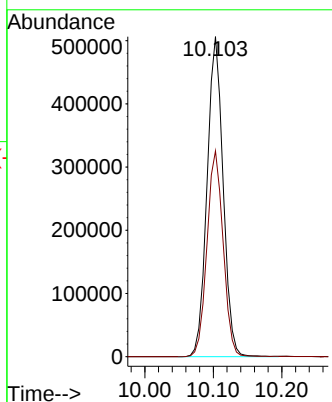
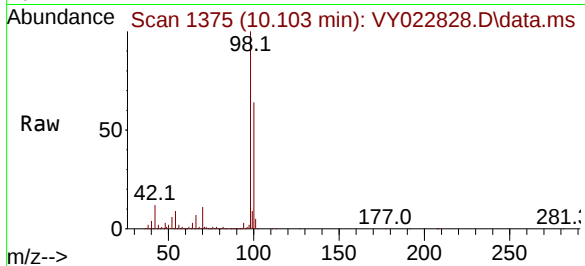




#50
Toluene-d8
Concen: 50.028 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

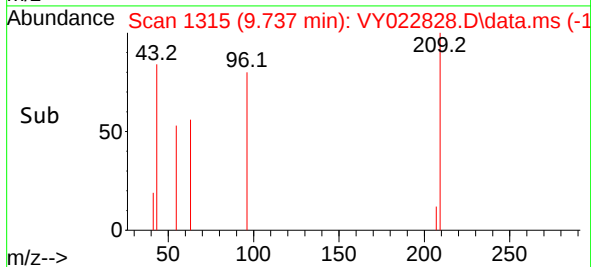
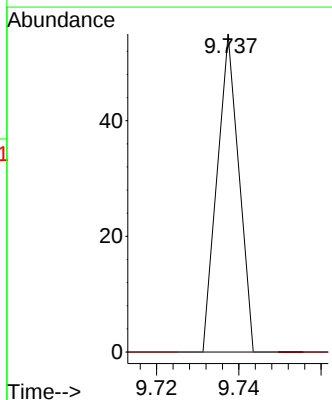
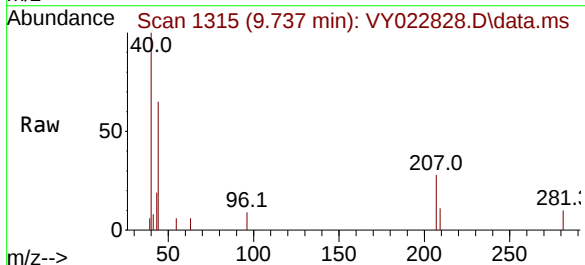
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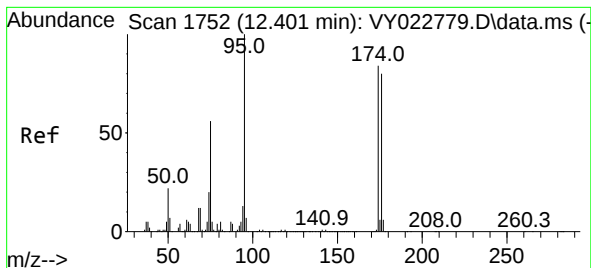
Tgt Ion: 98 Resp: 824087
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.663 ug/l
RT: 9.737 min Scan# 1315
Delta R.T. 0.024 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

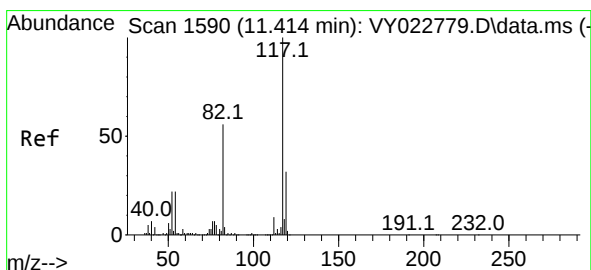
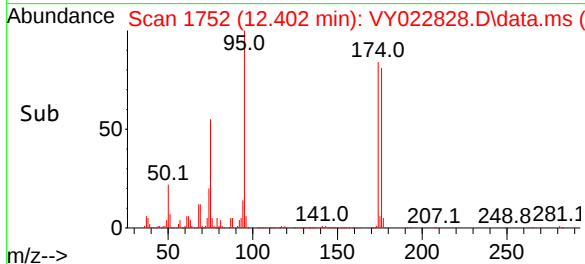
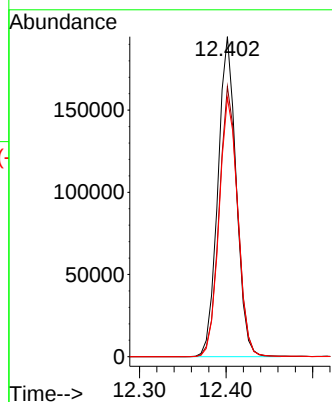
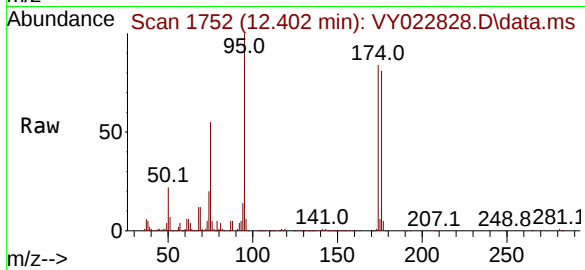




#62
4-Bromofluorobenzene
Concen: 54.013 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

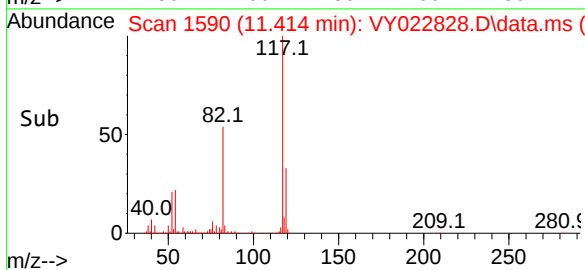
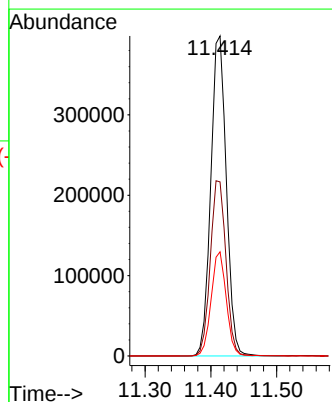
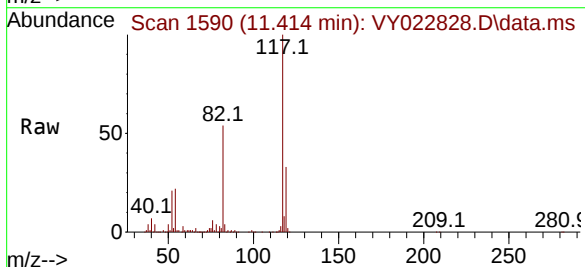
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

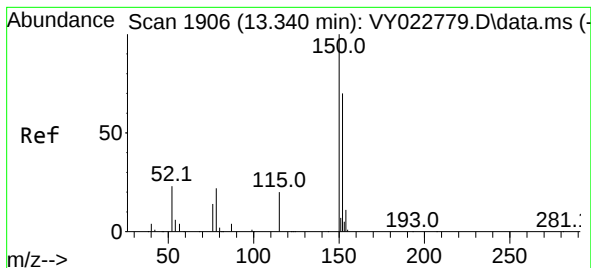
Tgt Ion: 95 Resp: 286018
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 82.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022828.D
Acq: 25 Jun 2025 16:29

Tgt Ion: 117 Resp: 654617
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022828.D

Acq: 25 Jun 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

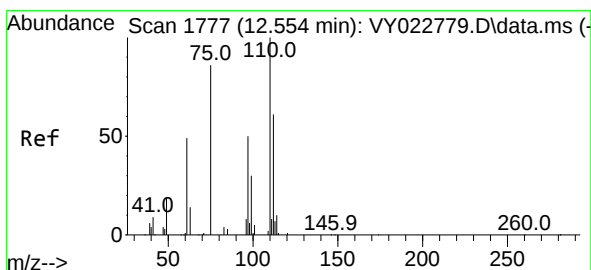
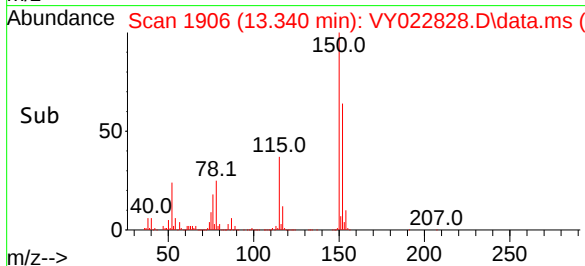
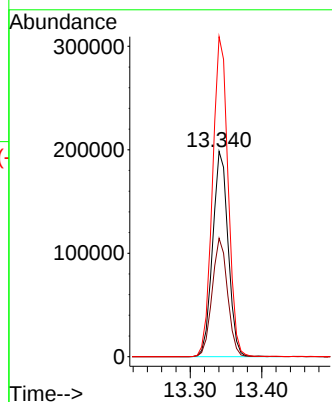
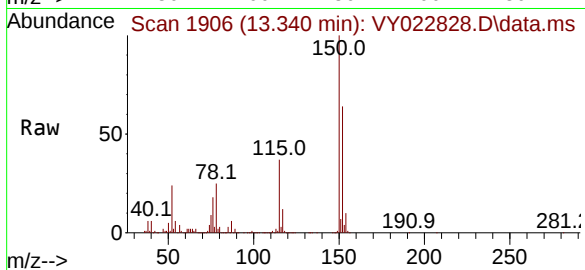
Tgt Ion:152 Resp: 298553

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 156.0 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.498 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022828.D

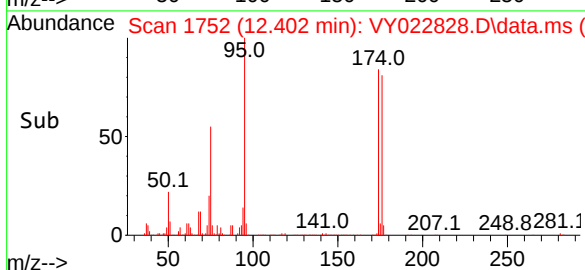
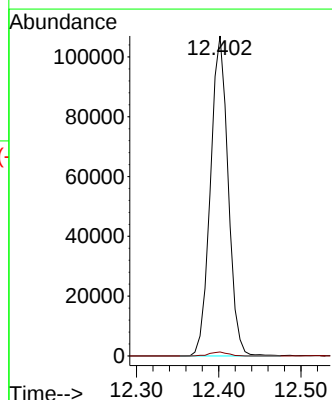
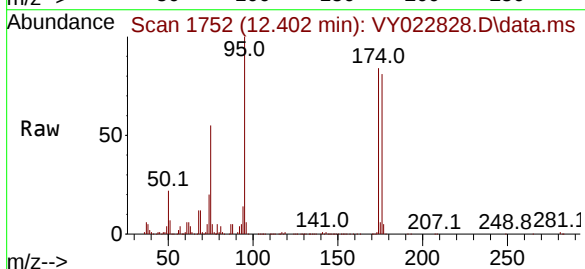
Acq: 25 Jun 2025 16:29

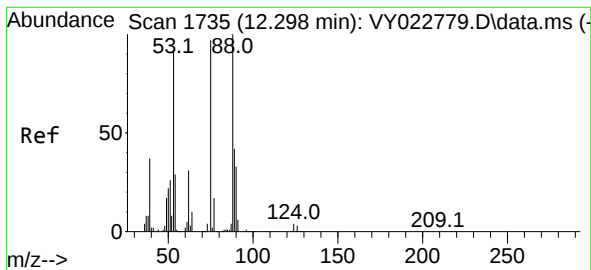
Tgt Ion: 75 Resp: 160013

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.631 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022828.D
 Acq: 25 Jun 2025 16:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Tgt Ion: 75 Resp: 160013
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

