

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022632.D
 Acq On : 09 Jun 2025 15:56
 Operator : SY/MD
 Sample : Q2266-07
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Quant Time: Jun 10 01:31:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

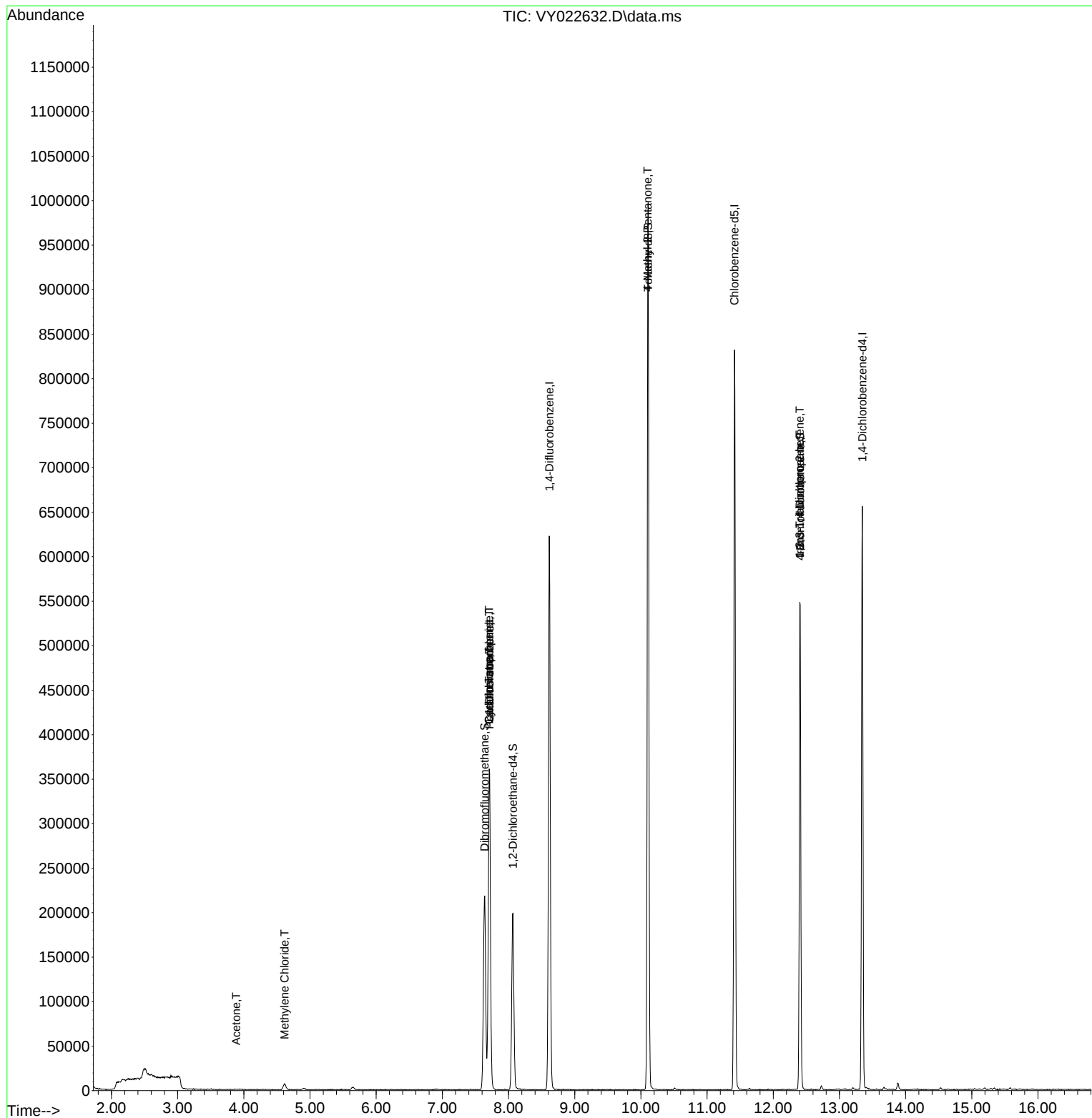
Internal Standards						
1) Pentafluorobenzene	7.713	168	268126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	501785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	149870	49.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.640	113	148666	49.637	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.109	98	620637	51.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.560%
62) 4-Bromofluorobenzene	12.408	95	151211	41.936	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.880%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	613	1.007	ug/l #	45
20) Methylene Chloride	4.616	84	4483	1.296	ug/l #	90
31) Cyclohexane	7.707	56	7411	1.286	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	24104	4.959	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28160	5.647	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3247	1.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	90075	52.104	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	90075	125.827	ug/l #	11

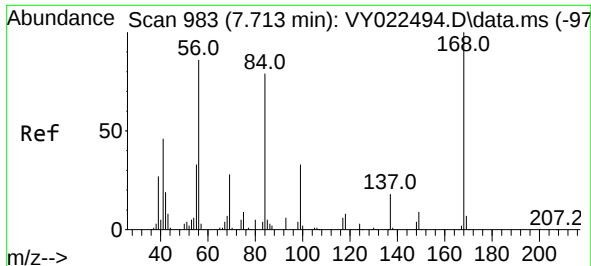
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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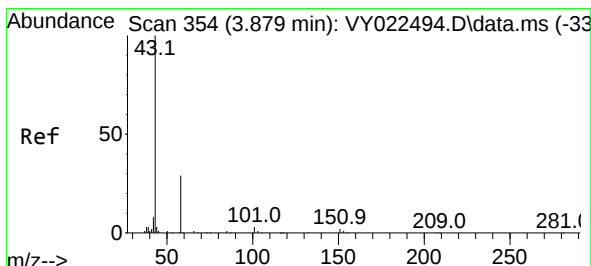
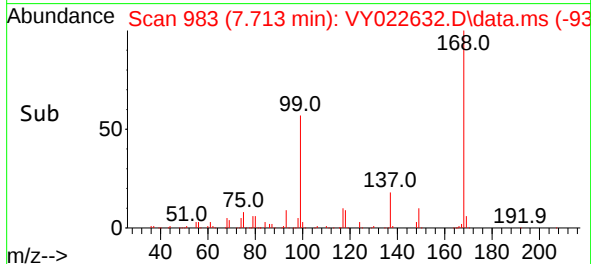
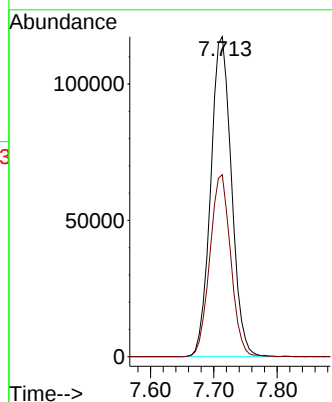
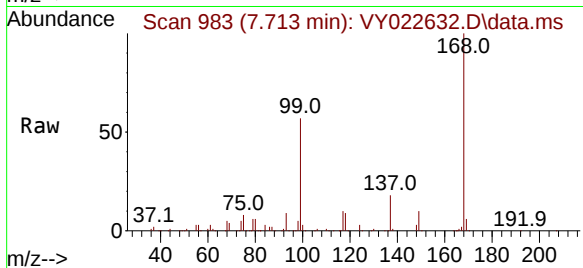




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

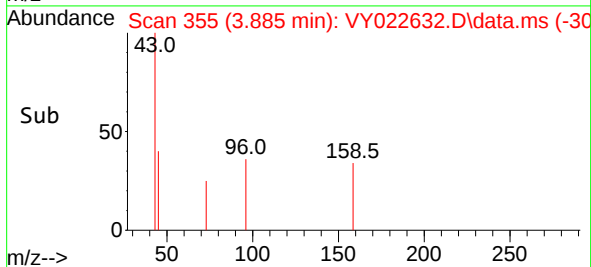
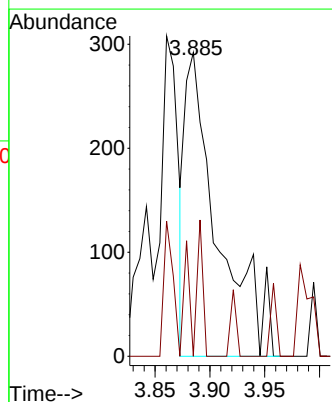
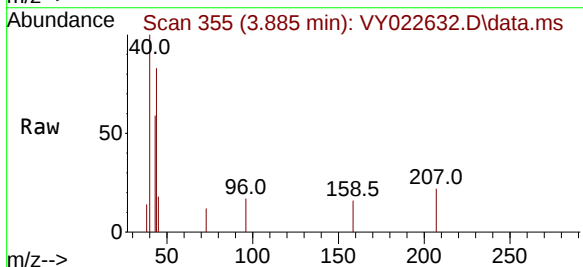
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

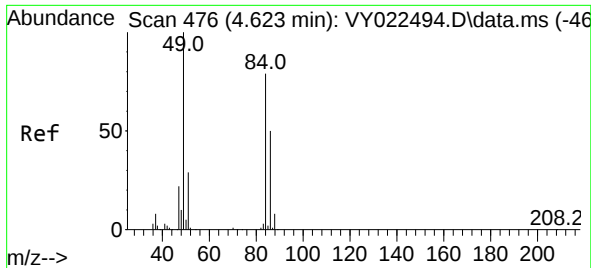
Tgt Ion:168 Resp: 268126
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#16
Acetone
Concen: 1.007 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

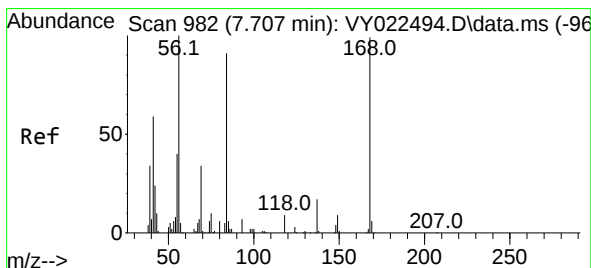
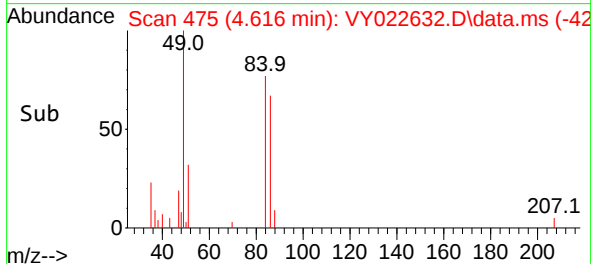
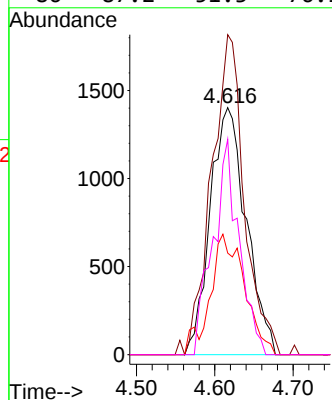
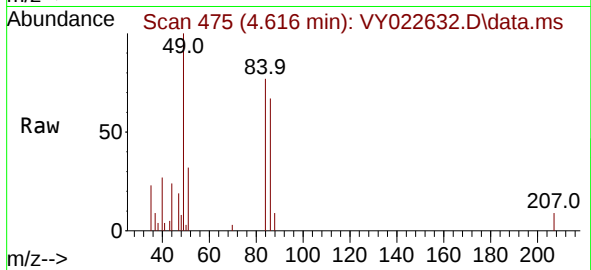




#20
Methylene Chloride
Concen: 1.296 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

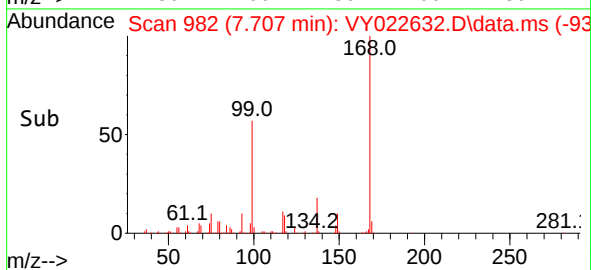
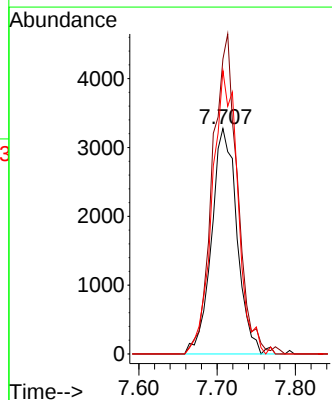
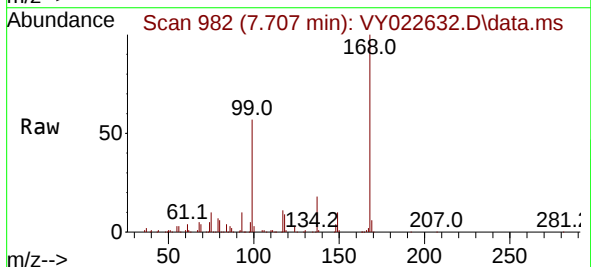
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

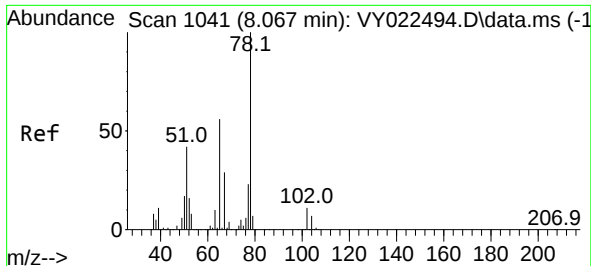
Tgt Ion:	84	Resp:	4483
Ion	Ratio	Lower	Upper
84	100		
49	129.5	101.9	152.9
51	41.1	29.8	44.8
86	87.2	51.3	76.9



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

Tgt Ion:	56	Resp:	7411
Ion	Ratio	Lower	Upper
56	100		
69	130.8	27.0	40.6
84	125.6	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 49.976 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

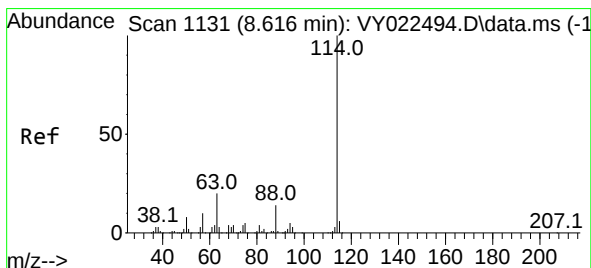
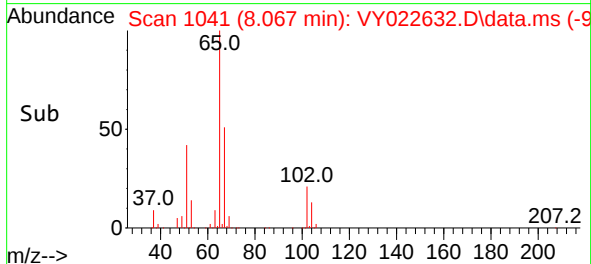
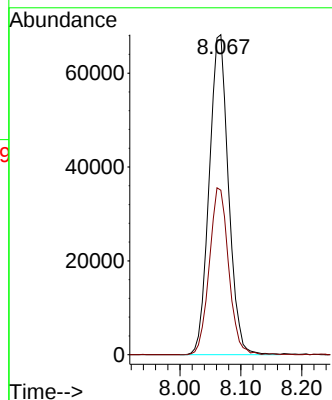
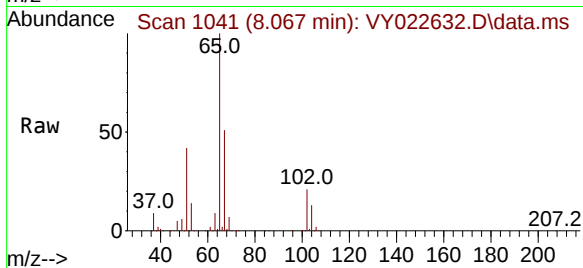
WC-5-VOC

Tgt Ion: 65 Resp: 149870

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

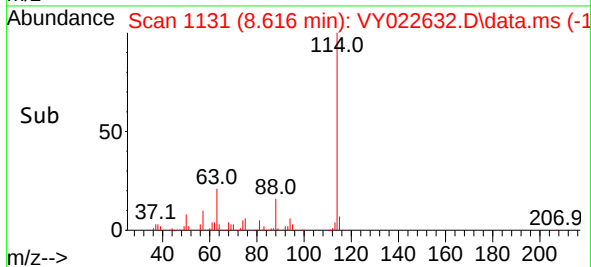
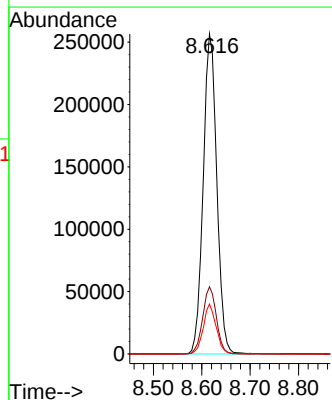
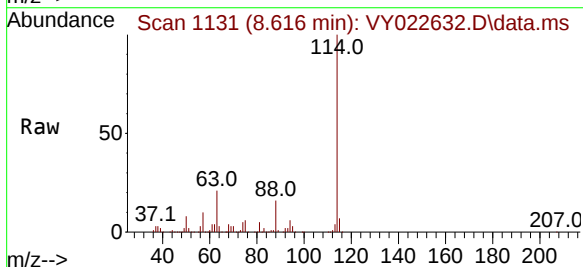
Tgt Ion: 114 Resp: 501785

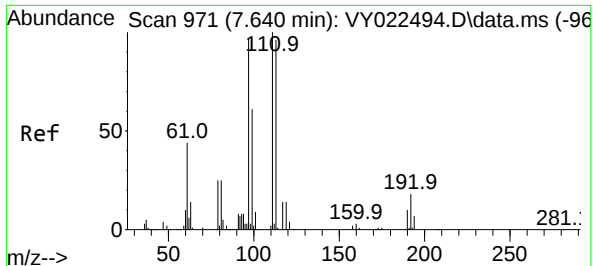
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.6 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.637 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

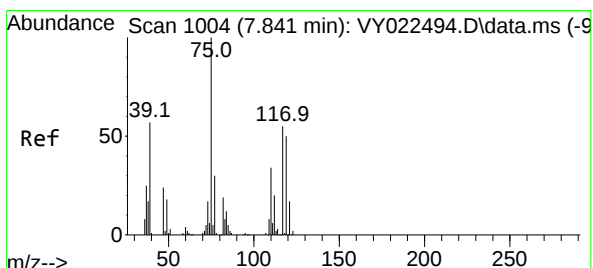
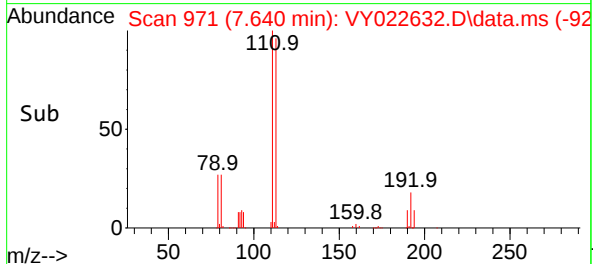
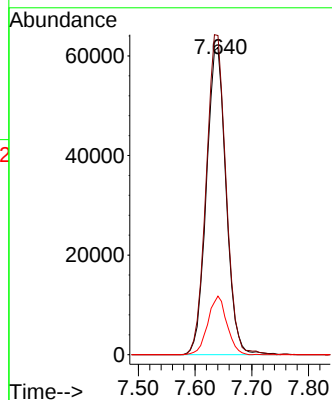
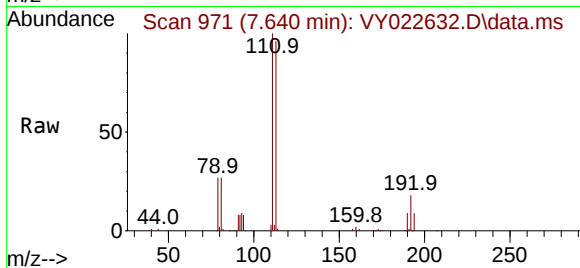
Tgt Ion:113 Resp: 148666

Ion Ratio Lower Upper

113 100

111 104.9 81.1 121.7

192 18.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

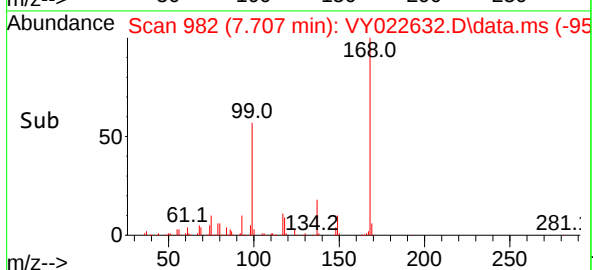
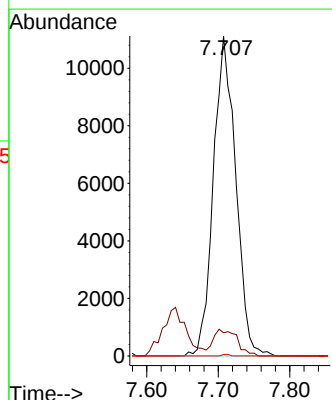
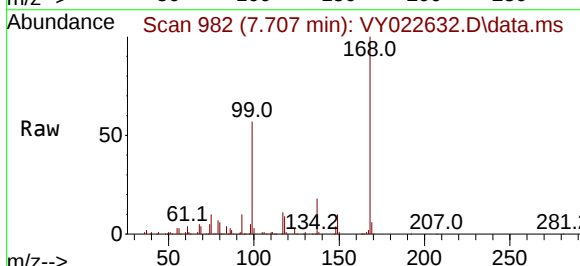
Tgt Ion: 75 Resp: 24104

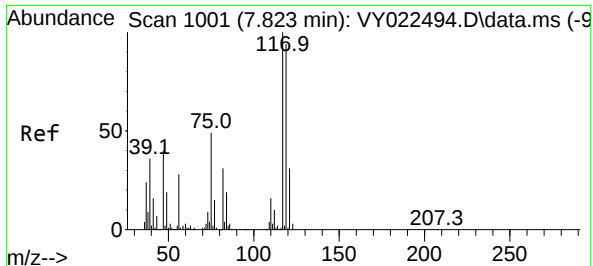
Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.2 24.8 37.2#

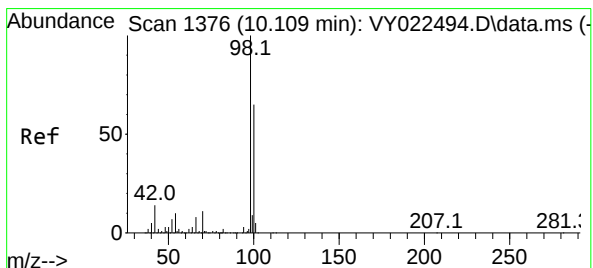
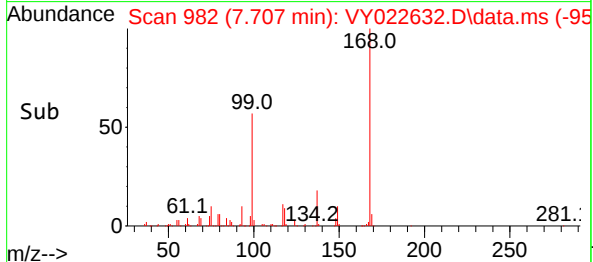
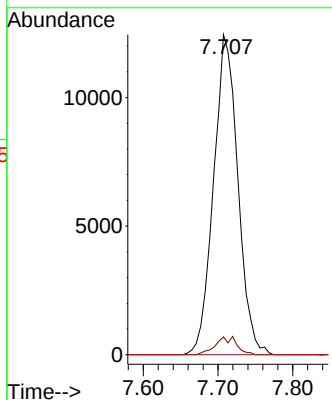
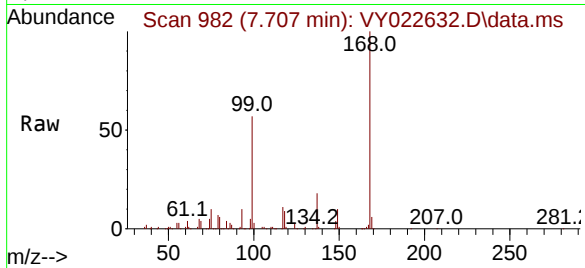




#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

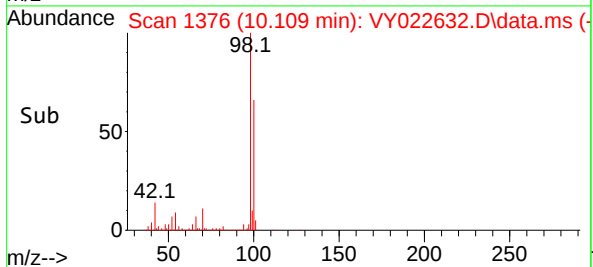
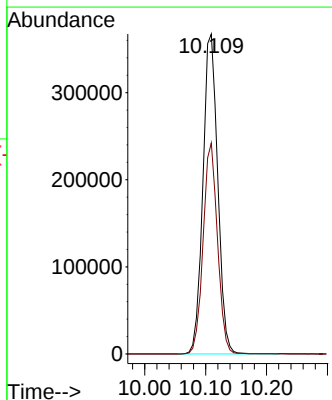
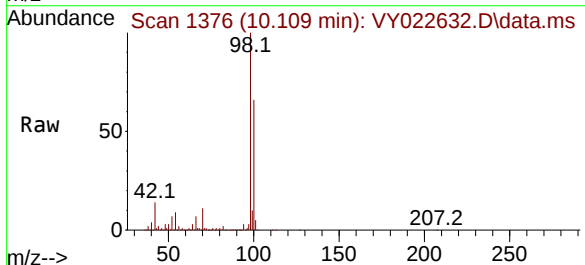
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

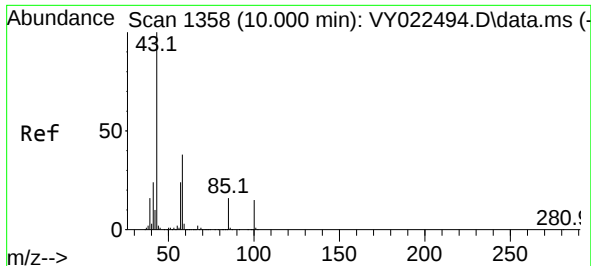
Tgt Ion:117 Resp: 28160
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.284 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

Tgt Ion: 98 Resp: 620637
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

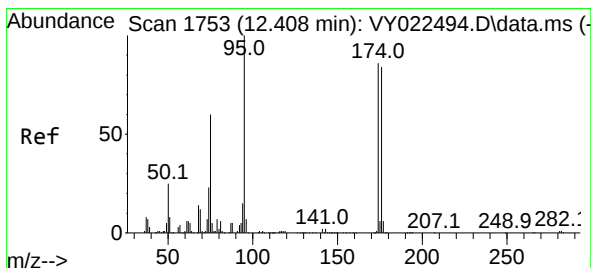
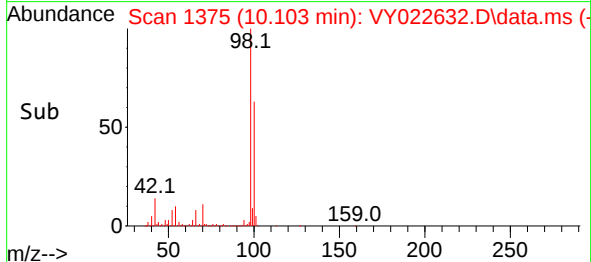
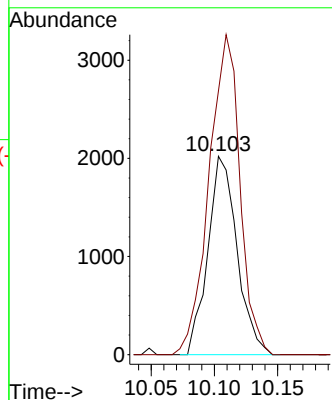
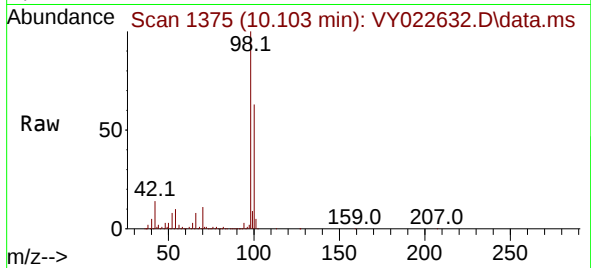




#51
4-Methyl-2-Pentanone
Concen: 1.391 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

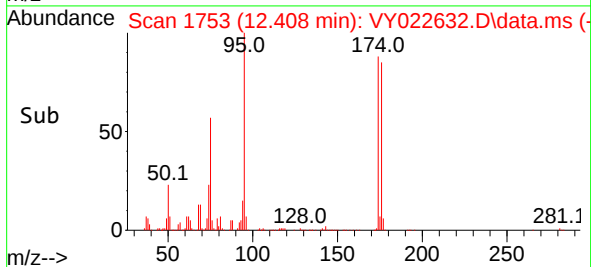
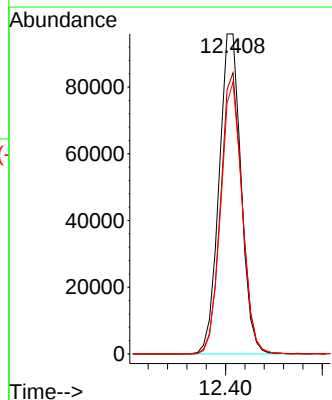
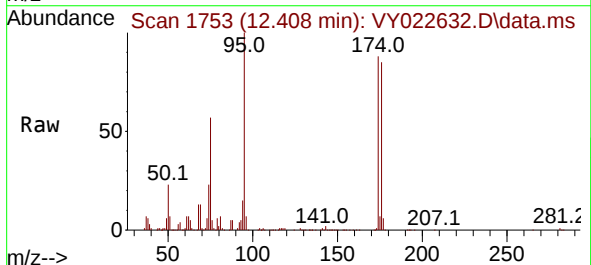
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

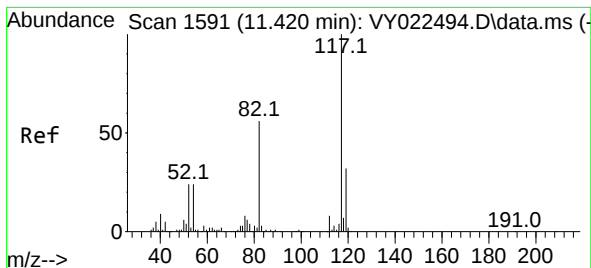
Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
58 170.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.936 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022632.D
Acq: 09 Jun 2025 15:56

Tgt Ion: 95 Resp: 151211
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.0
176 82.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

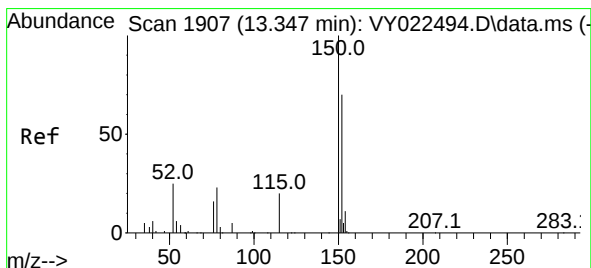
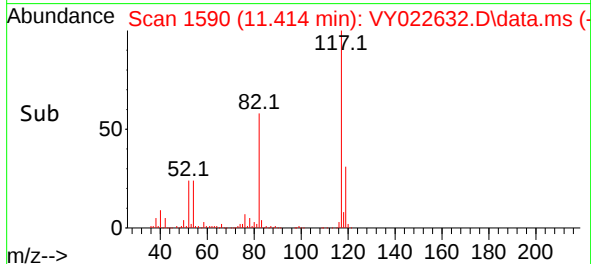
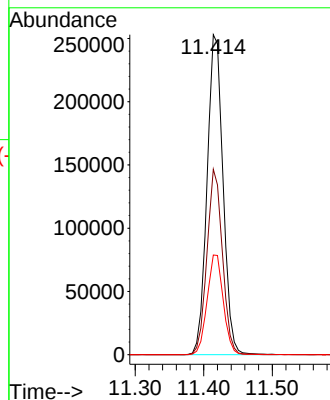
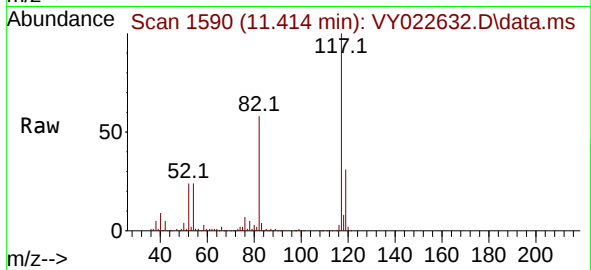
Tgt Ion:117 Resp: 410010

Ion Ratio Lower Upper

117 100

82 58.0 44.6 66.8

119 31.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

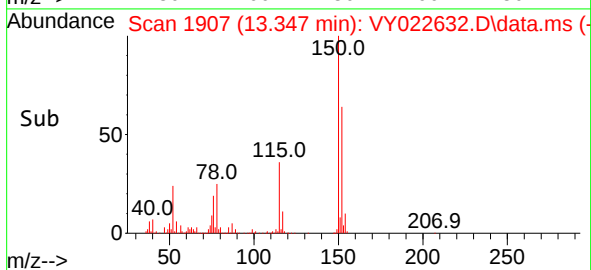
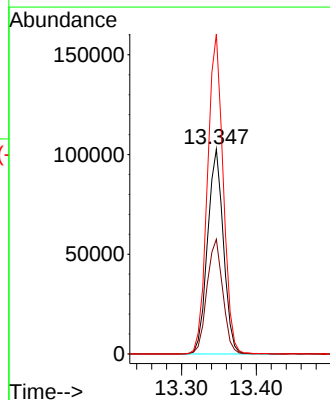
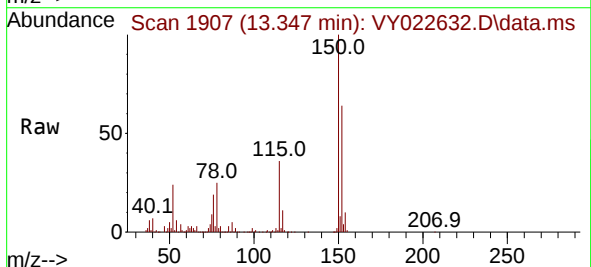
Tgt Ion:152 Resp: 151111

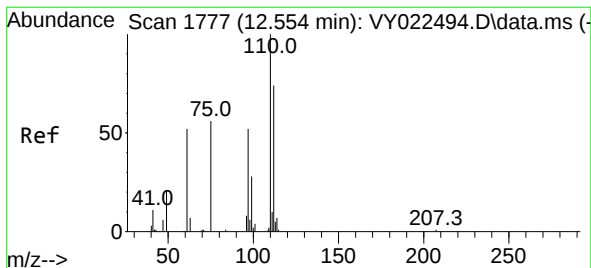
Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.7

150 154.9 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 52.104 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

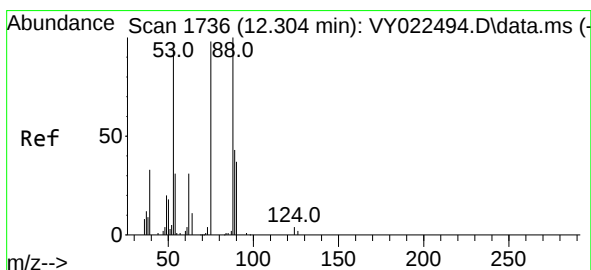
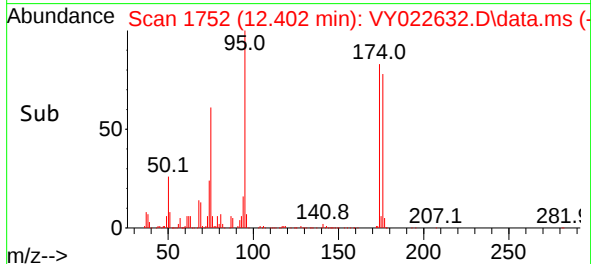
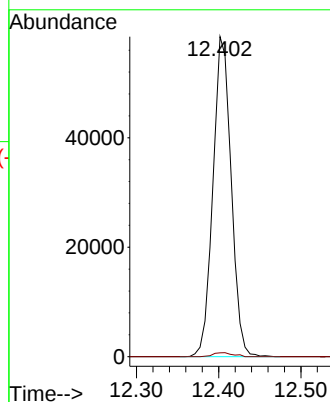
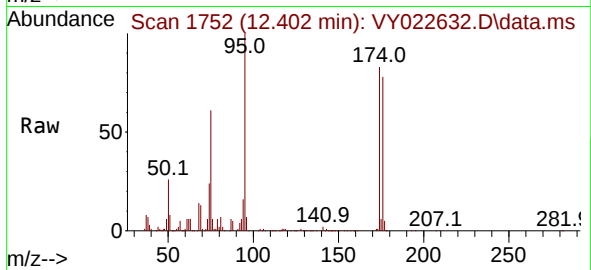
WC-5-VOC

Tgt Ion: 75 Resp: 90075

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.827 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022632.D

Acq: 09 Jun 2025 15:56

Tgt Ion: 75 Resp: 90075

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 35.7 53.5#

