

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022674.D
 Acq On : 12 Jun 2025 15:20
 Operator : SY/MD
 Sample : Q2296-19
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Quant Time: Jun 13 05:41:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

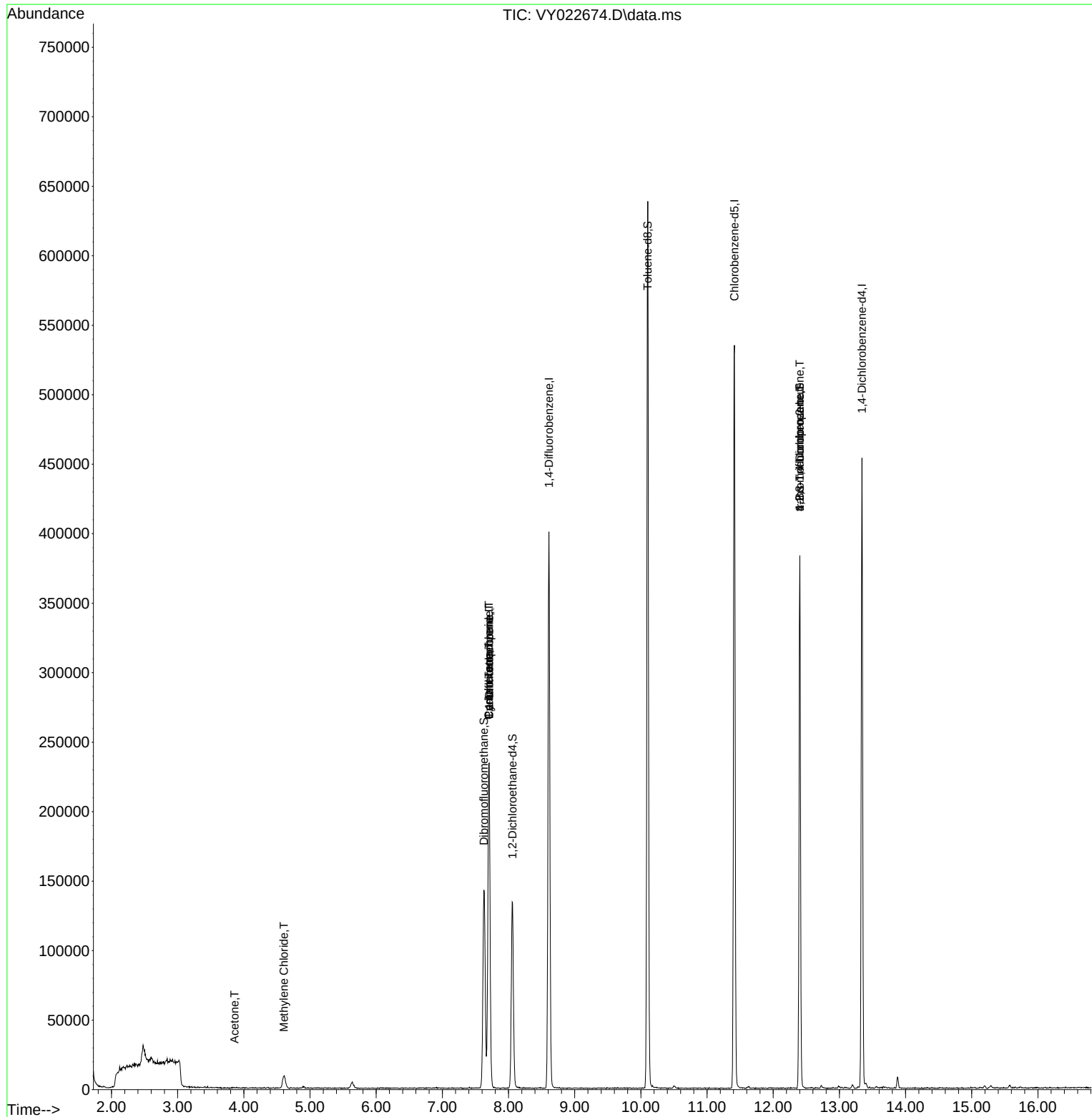
Internal Standards						
1) Pentafluorobenzene	7.707	168	179465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	325580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	271663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	100308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100920	50.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.560%	
35) Dibromofluoromethane	7.628	113	100345	51.636	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.103	98	393161	50.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.402	95	100467	42.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.880%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	783	1.921	ug/l #	45
20) Methylene Chloride	4.604	84	6428	2.776	ug/l #	86
31) Cyclohexane	7.701	56	4965	1.287	ug/l #	40
36) 1,1-Dichloropropene	7.707	75	15666	4.967	ug/l #	50
38) Carbon Tetrachloride	7.701	117	17656	5.457	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	59291	51.667	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	59291	124.773	ug/l #	10

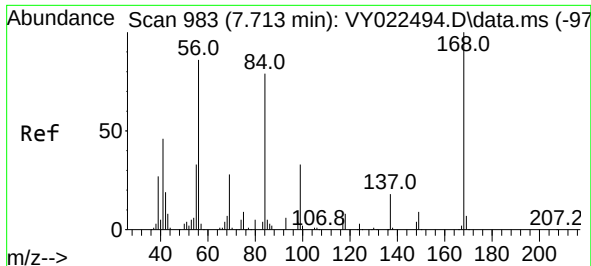
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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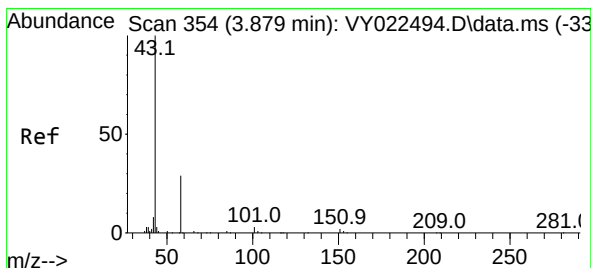
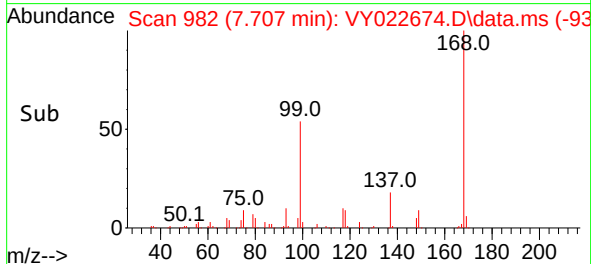
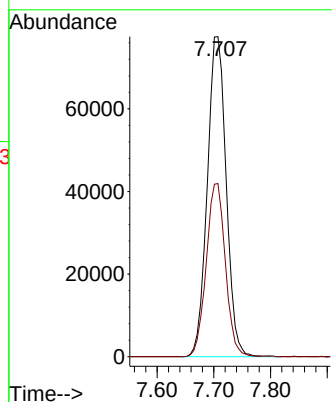
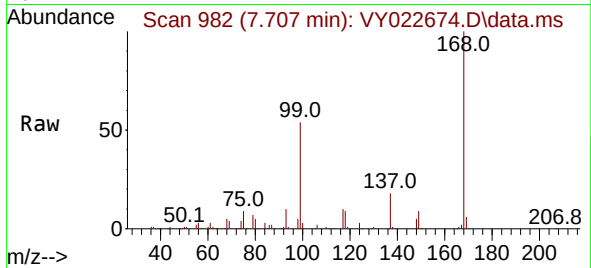




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

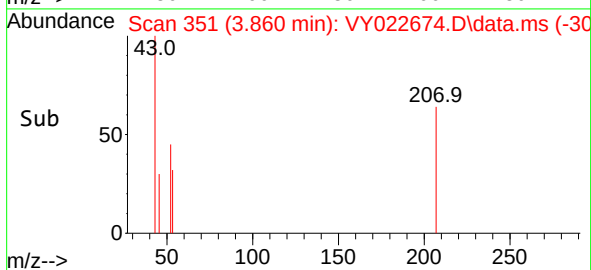
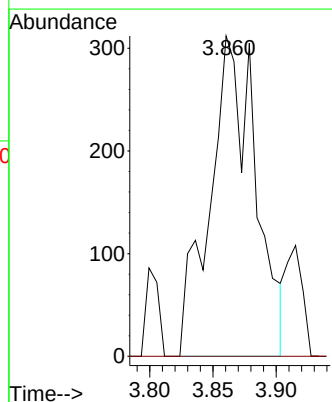
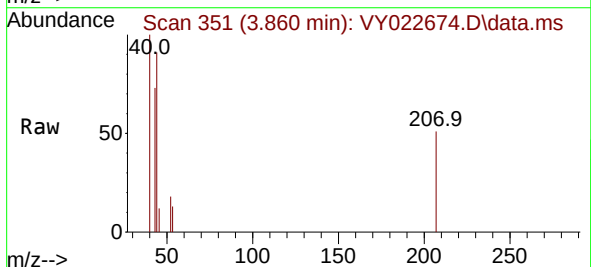
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

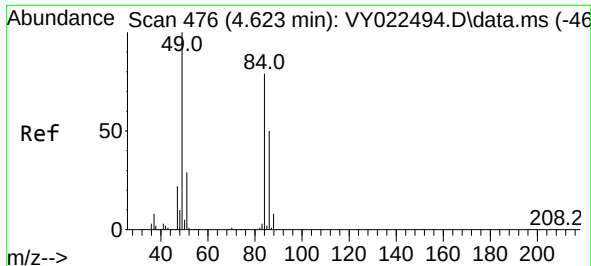
Tgt Ion:168 Resp: 179465
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#16
Acetone
Concen: 1.921 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

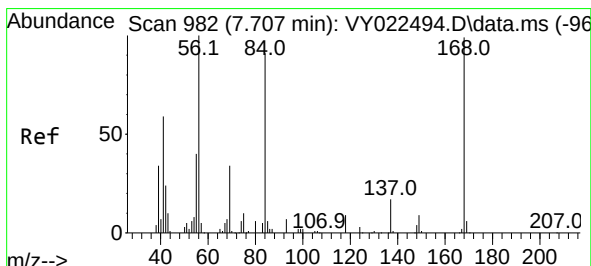
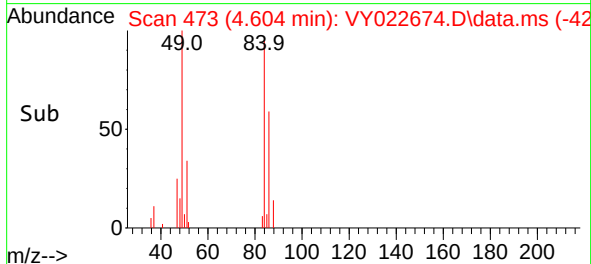
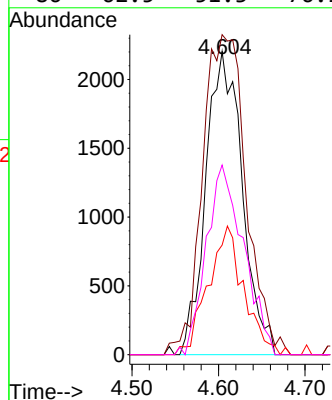
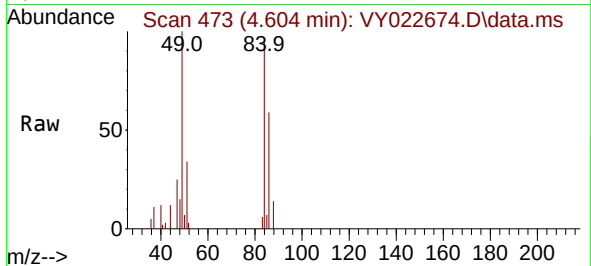




#20
Methylene Chloride
Concen: 2.776 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

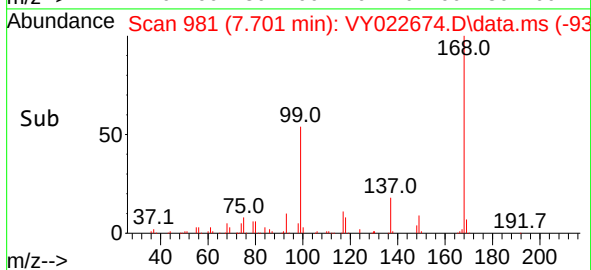
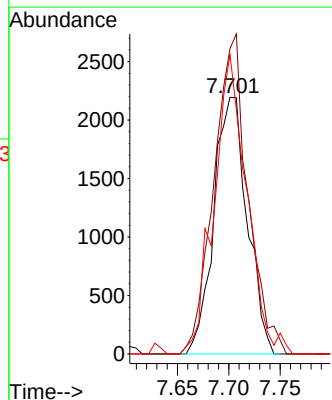
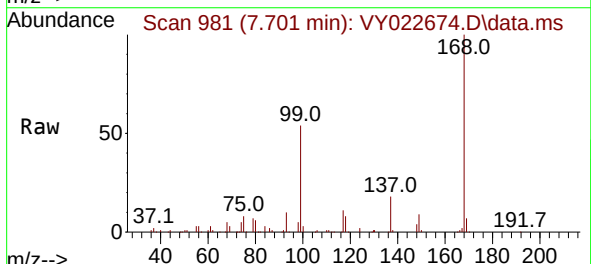
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

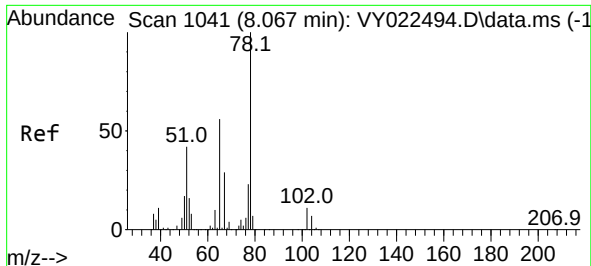
Tgt Ion:	84	Resp:	6428
Ion	Ratio	Lower	Upper
84	100		
49	101.0	101.9	152.9#
51	36.1	29.8	44.8
86	62.5	51.3	76.9



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion:	56	Resp:	4965
Ion	Ratio	Lower	Upper
56	100		
69	119.0	27.0	40.6#
84	116.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.279 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022674.D

Acq: 12 Jun 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

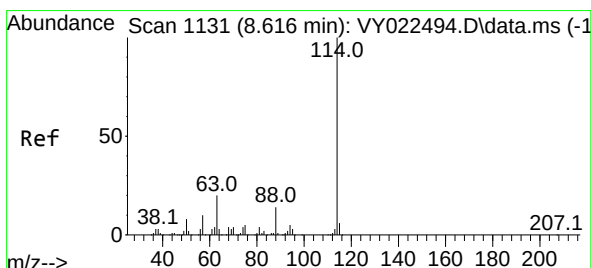
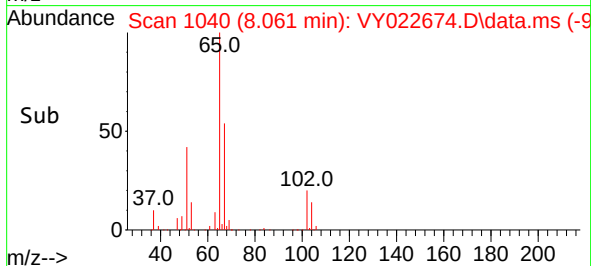
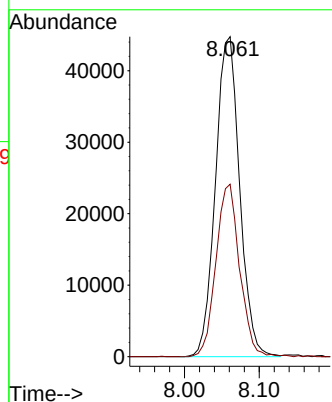
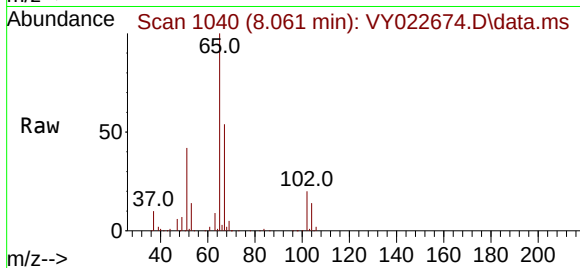
WC-5-VOC

Tgt Ion: 65 Resp: 100920

Ion Ratio Lower Upper

65 100

67 52.7 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: VY022674.D

Acq: 12 Jun 2025 15:20

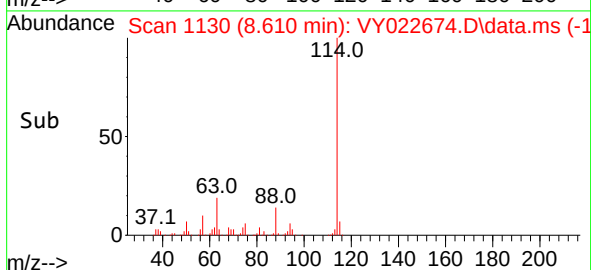
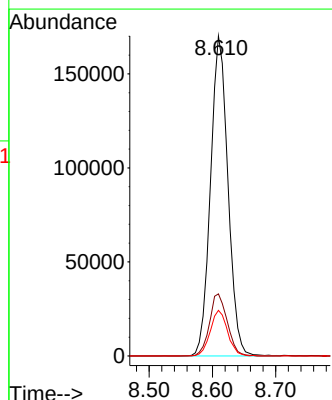
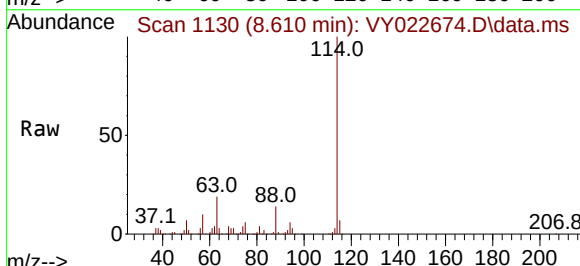
Tgt Ion: 114 Resp: 325580

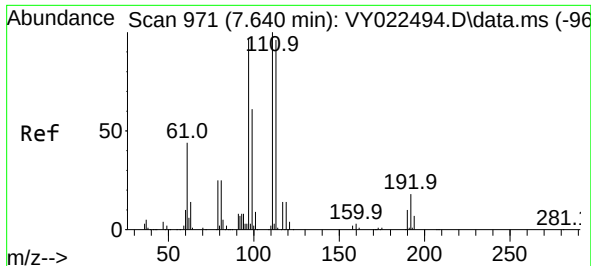
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.3 0.0 27.8

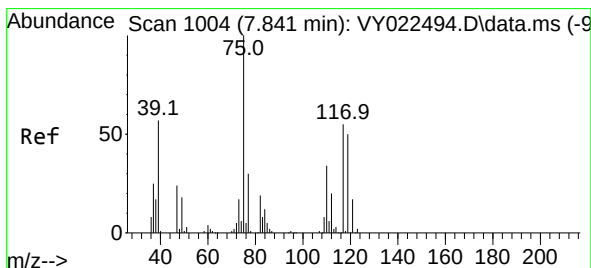
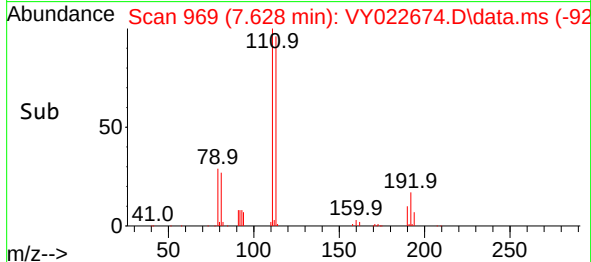
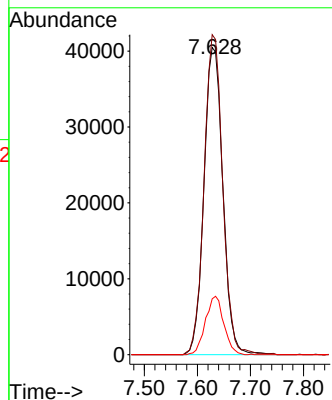
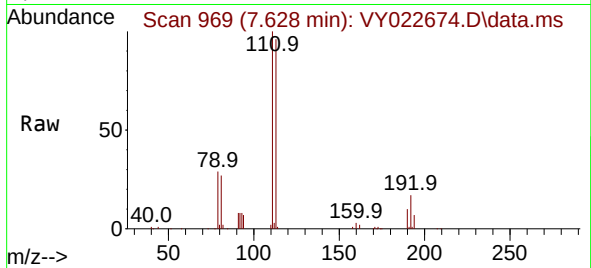




#35
Dibromofluoromethane
Concen: 51.636 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

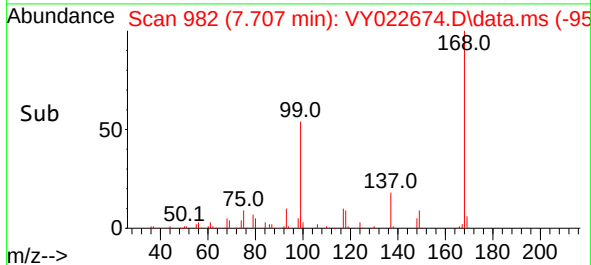
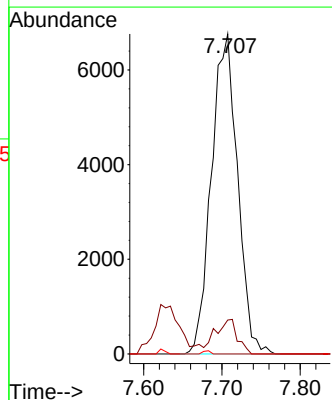
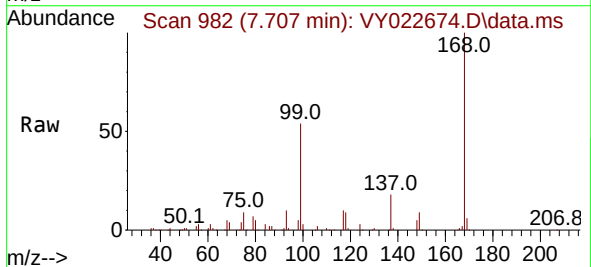
Instrument :
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ClientSampleId :
WC-5-VOC

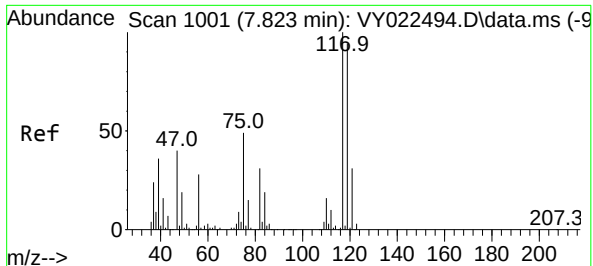
Tgt Ion:113 Resp: 100345
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 75 Resp: 15666
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.7#
77 0.0 24.8 37.2#

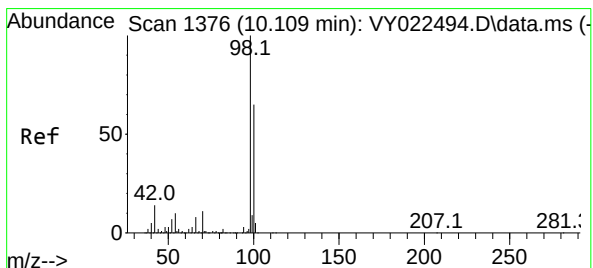
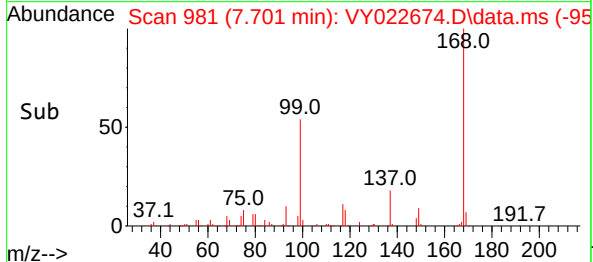
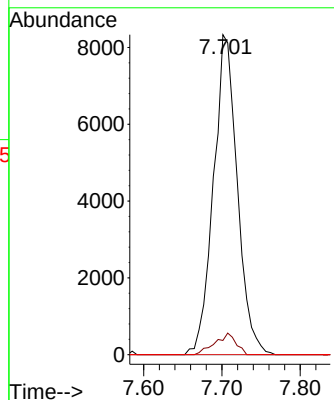
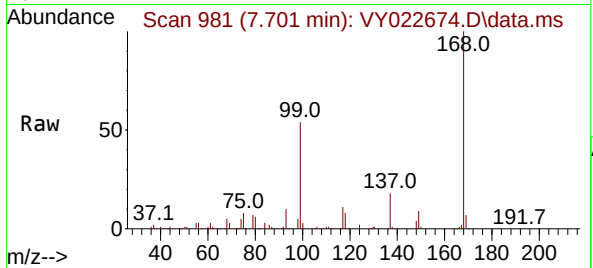




#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

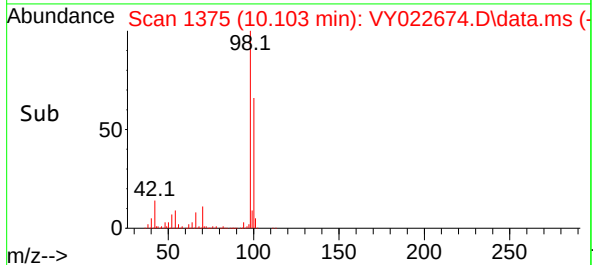
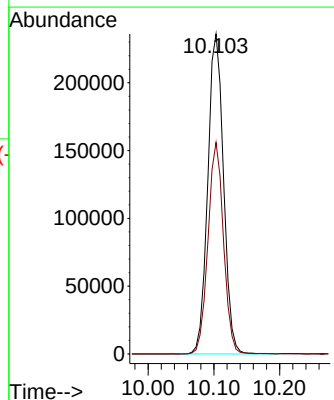
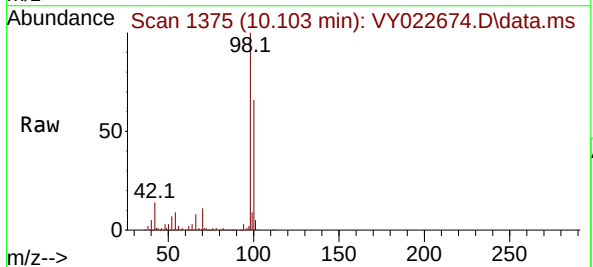
Instrument :
MSVOA_Y
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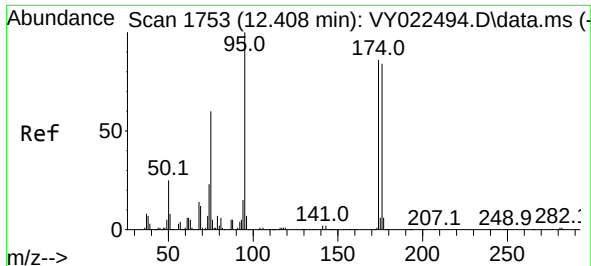
Tgt Ion:117 Resp: 17656
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.070 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 98 Resp: 393161
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

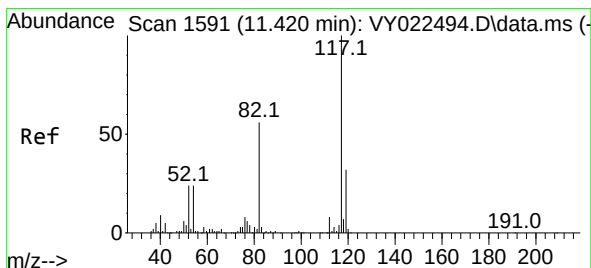
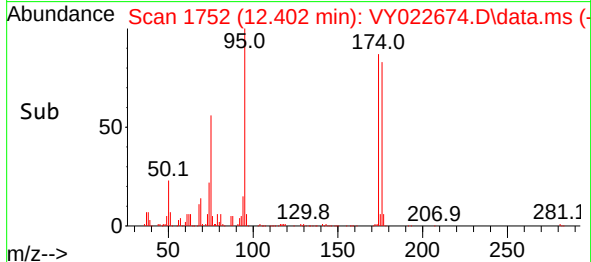
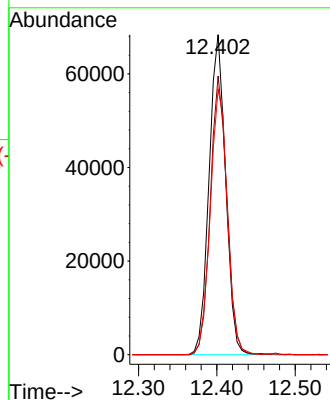
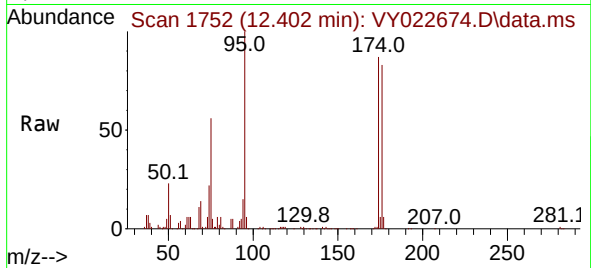




#62
4-Bromofluorobenzene
Concen: 42.942 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

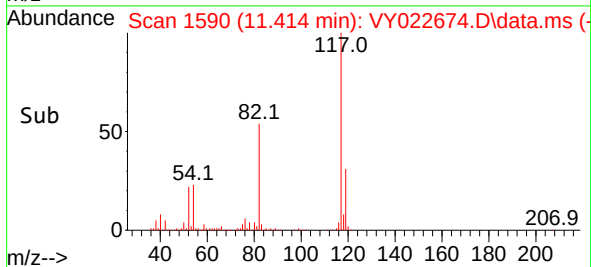
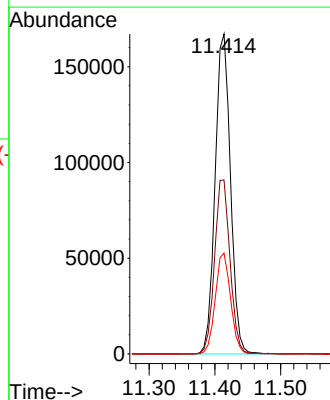
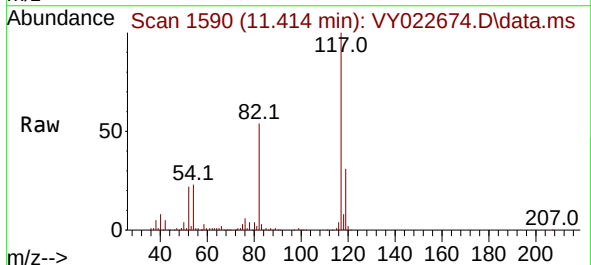
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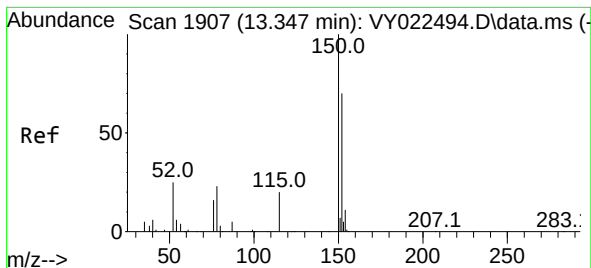
Tgt Ion: 95 Resp: 100467
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.0
176 85.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 117 Resp: 271663
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022674.D

Acq: 12 Jun 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

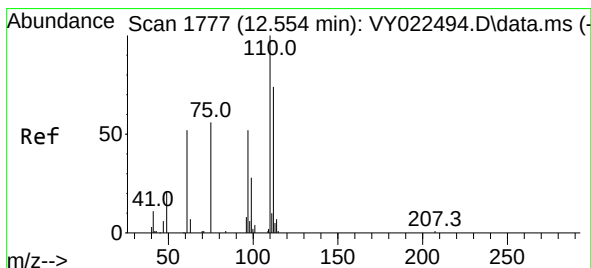
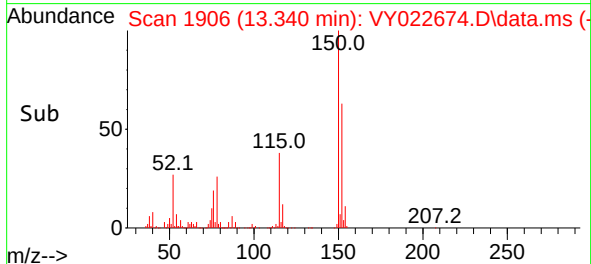
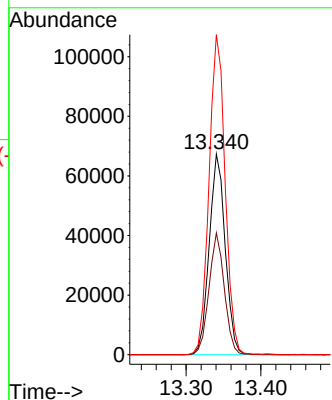
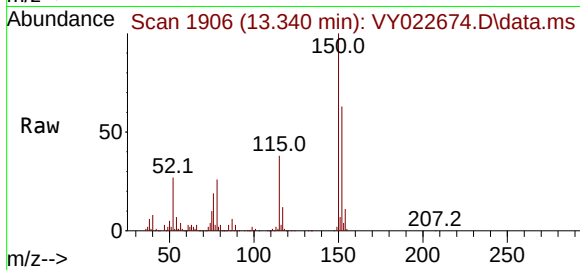
Tgt Ion:152 Resp: 100308

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 160.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.667 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022674.D

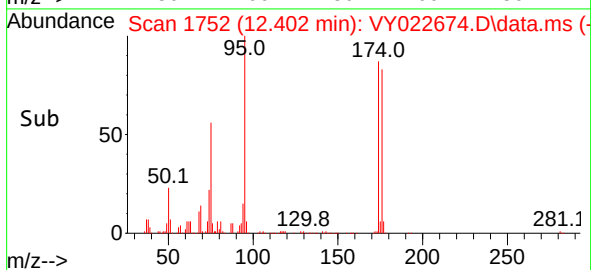
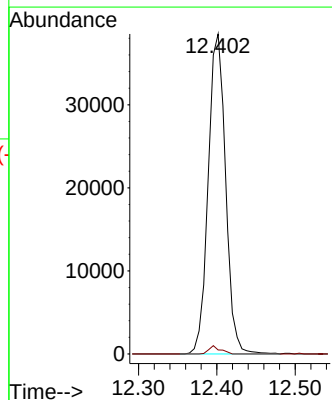
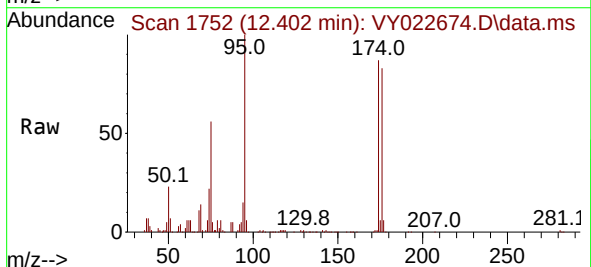
Acq: 12 Jun 2025 15:20

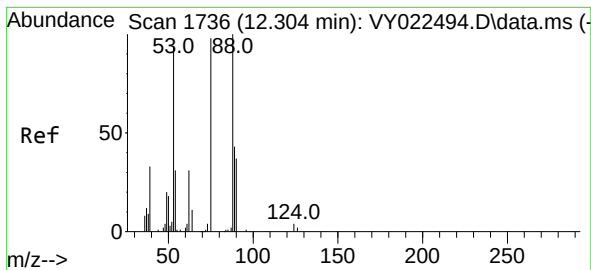
Tgt Ion: 75 Resp: 59291

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.773 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022674.D
 Acq: 12 Jun 2025 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Tgt Ion: 75 Resp: 59291
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

