

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022517.D
 Acq On : 03 Jun 2025 13:04
 Operator : SY/MD
 Sample : Q2185-02
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MHB-VOC

Quant Time: Jun 04 04:11:04 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)

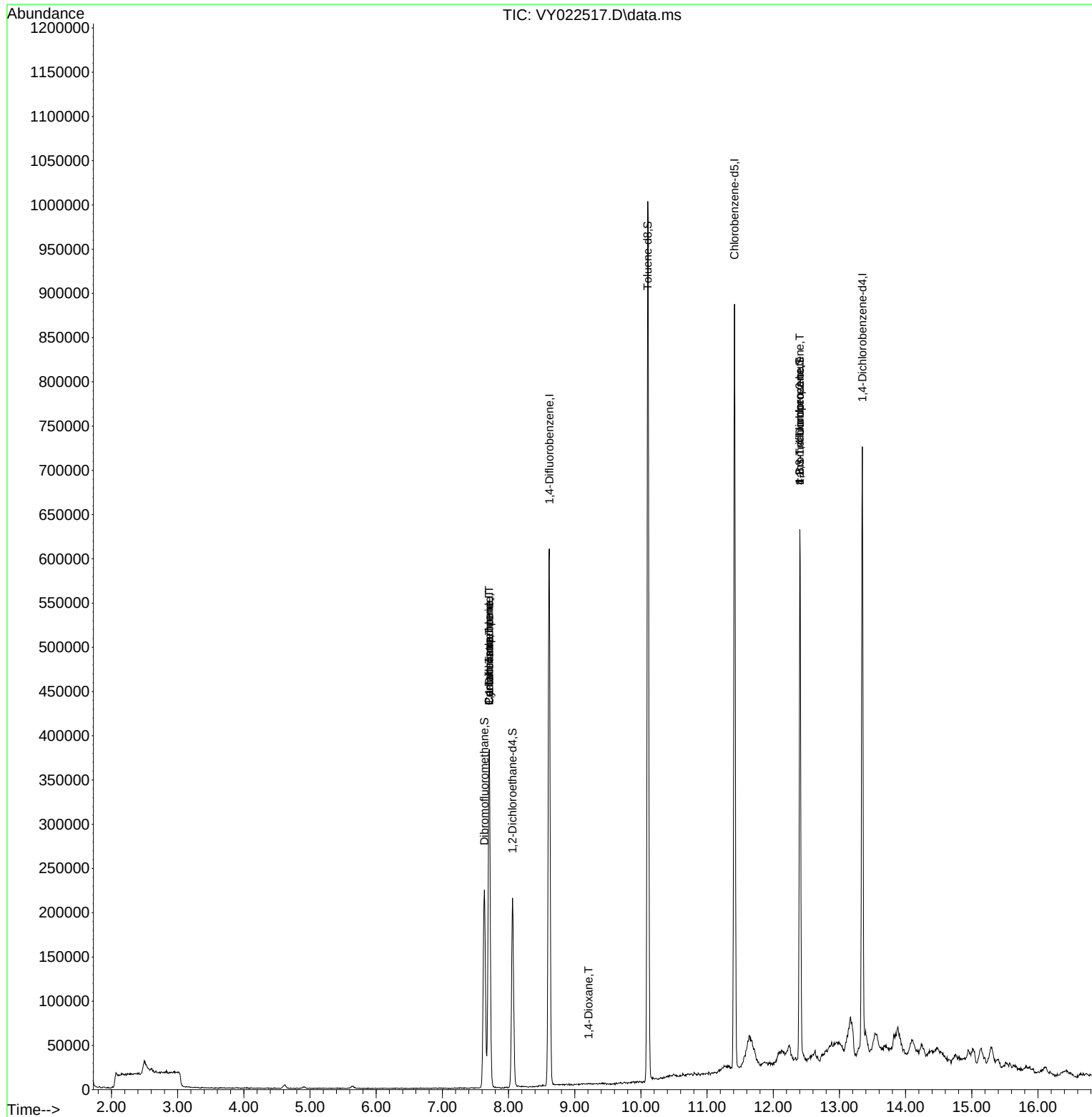
Internal Standards						
1) Pentafluorobenzene	7.707	168	279802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	514093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155498	49.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.634	113	154132	50.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.460%
50) Toluene-d8	10.103	98	622125	50.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.360%
62) 4-Bromofluorobenzene	12.402	95	160866	43.546	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.100%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	7815	1.300	ug/l #	50
36) 1,1-Dichloropropene	7.707	75	24701	4.960	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28820	5.641	ug/l #	16
49) 1,4-Dioxane	9.207	88	27	1.165	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	94250	52.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	94250	126.783	ug/l #	10

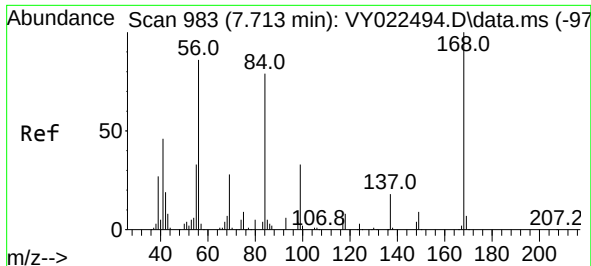
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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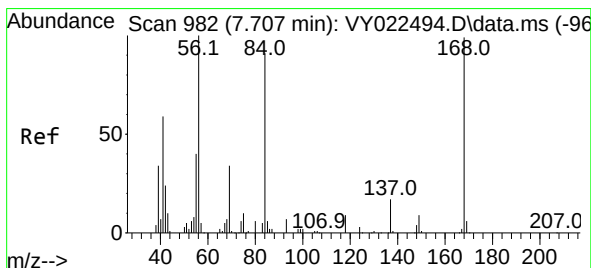
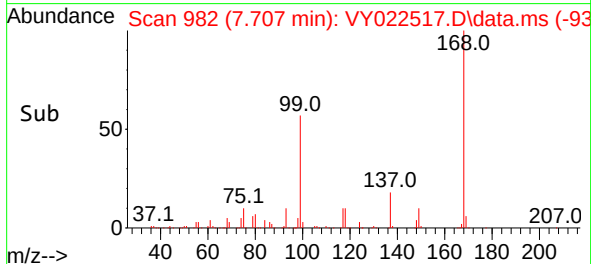
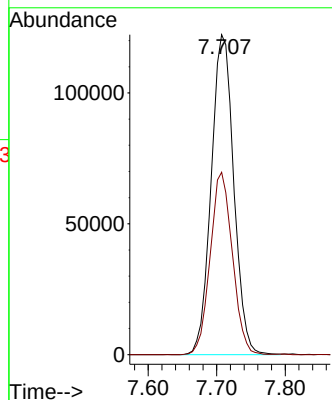
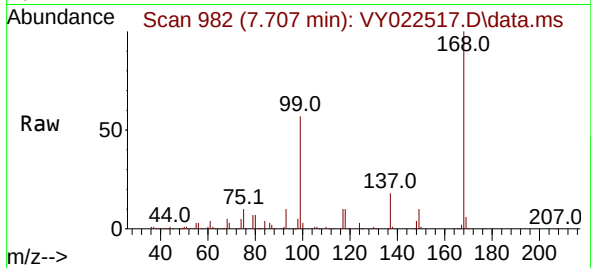




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

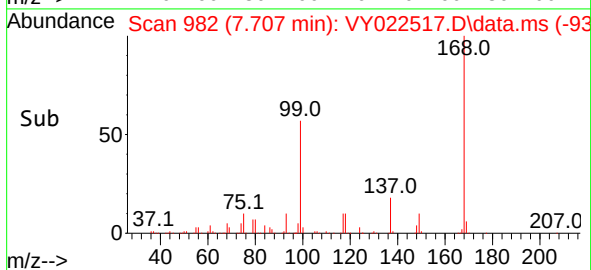
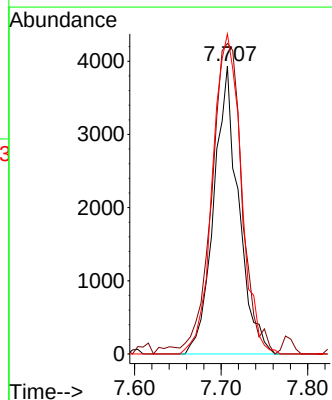
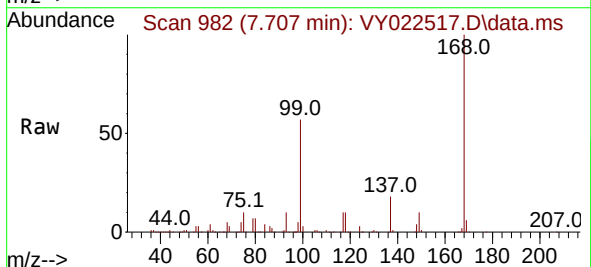
Instrument :
MSVOA_Y
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TP02-MHB-VOC

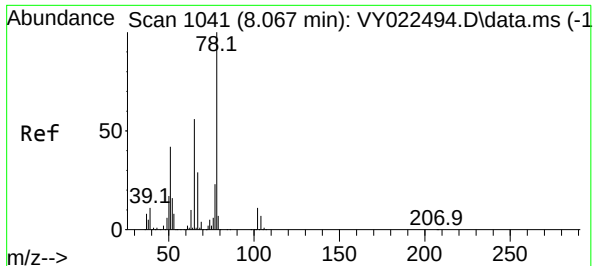
Tgt Ion:168 Resp: 279802
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion: 56 Resp: 7815
Ion Ratio Lower Upper
56 100
69 106.5 27.0 40.6#
84 111.2 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.689 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY022517.D

Acq: 03 Jun 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

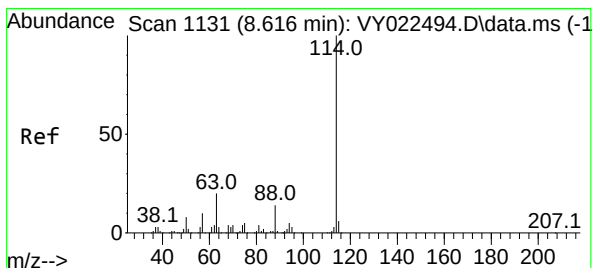
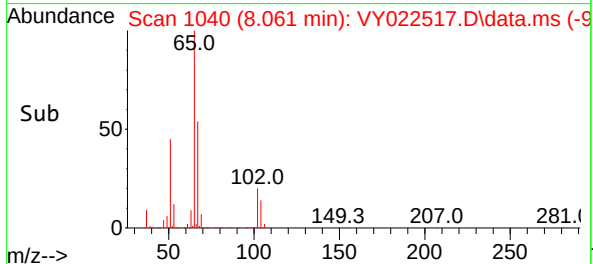
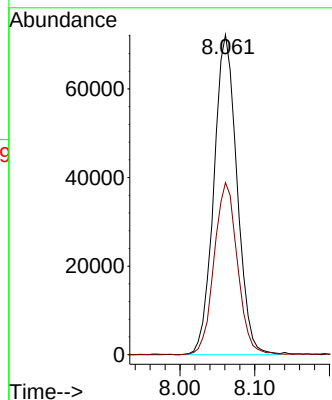
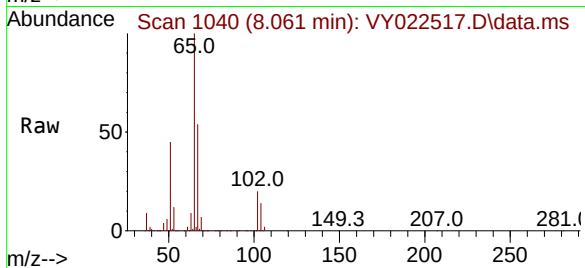
TP02-MHB-VOC

Tgt Ion: 65 Resp: 155498

Ion Ratio Lower Upper

65 100

67 54.3 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: VY022517.D

Acq: 03 Jun 2025 13:04

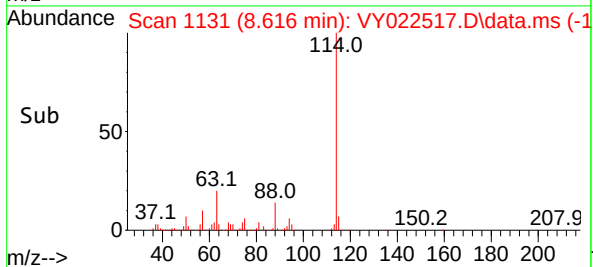
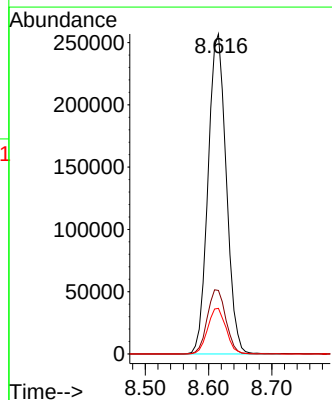
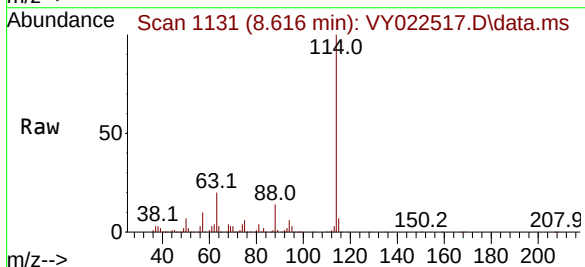
Tgt Ion: 114 Resp: 514093

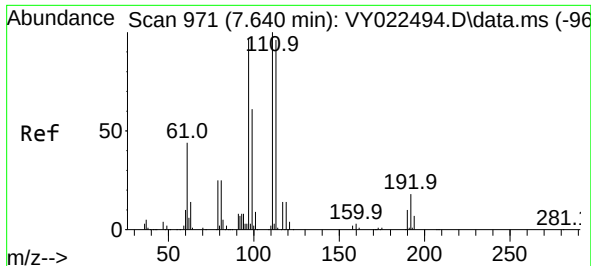
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.2 0.0 27.8

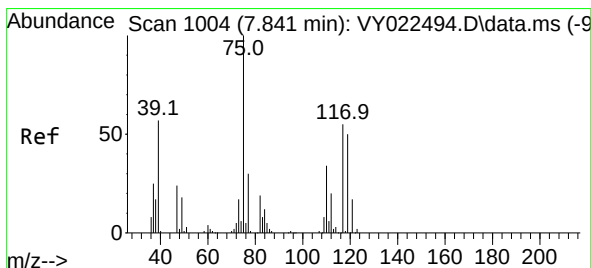
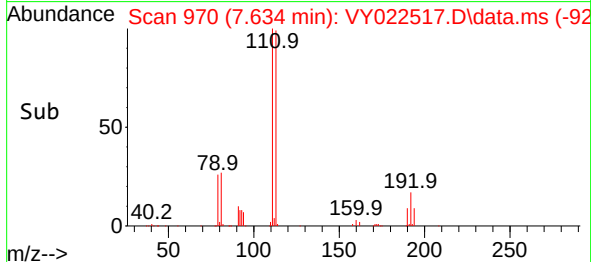
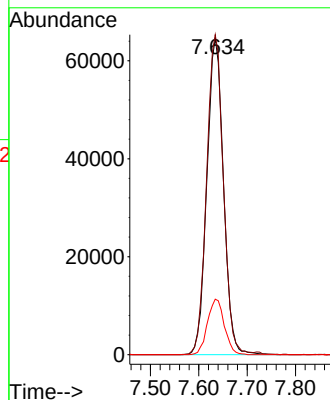
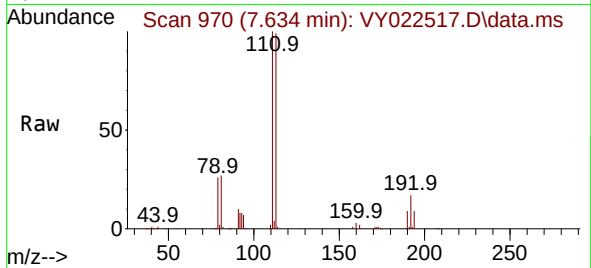




#35
Dibromofluoromethane
Concen: 50.230 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

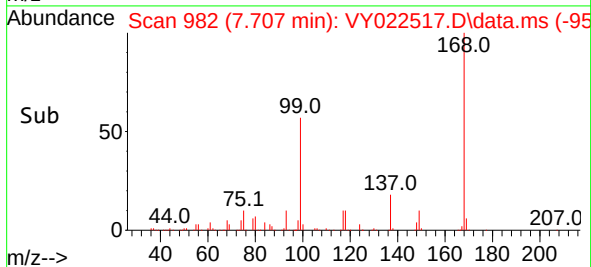
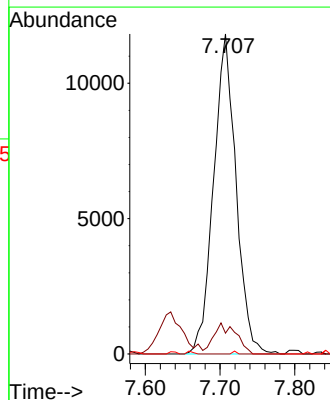
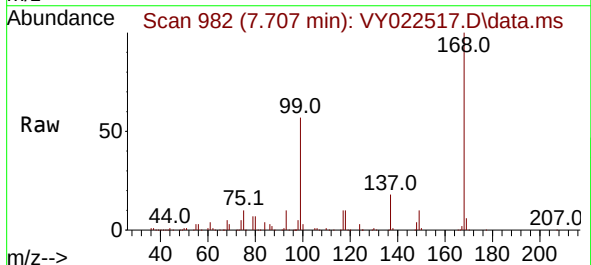
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MHB-VOC

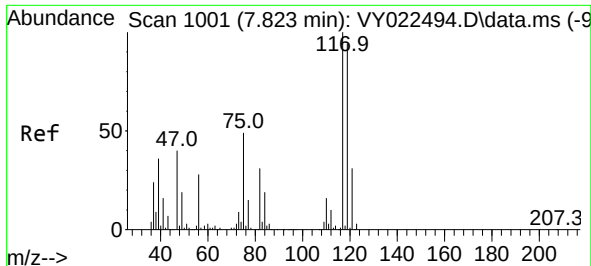
Tgt Ion:113 Resp: 154132
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 17.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion: 75 Resp: 24701
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.2 24.8 37.2#

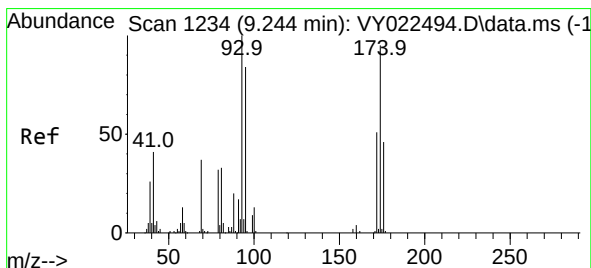
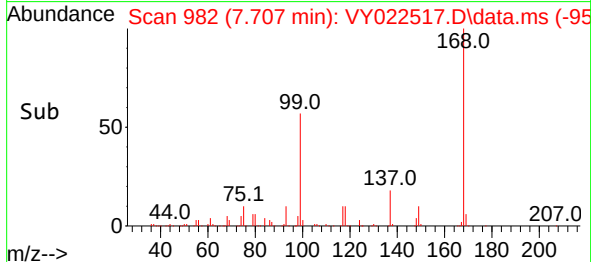
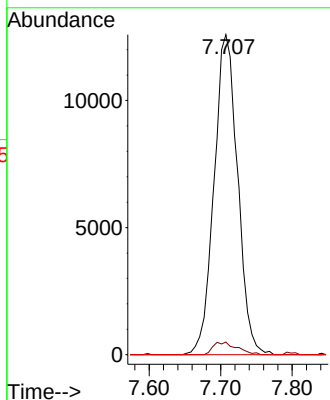
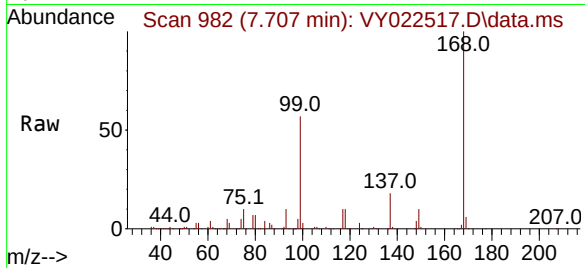




#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

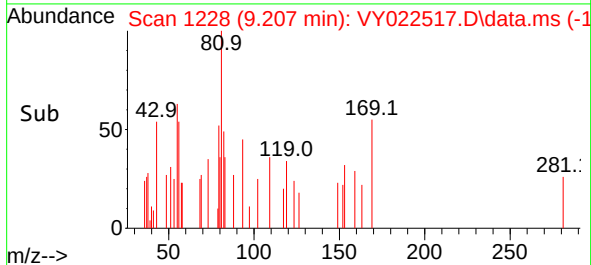
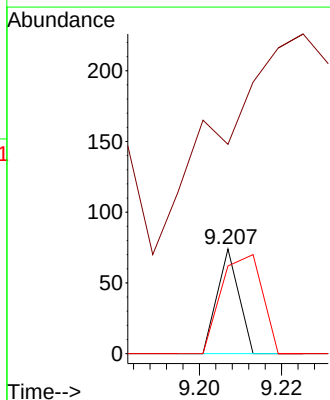
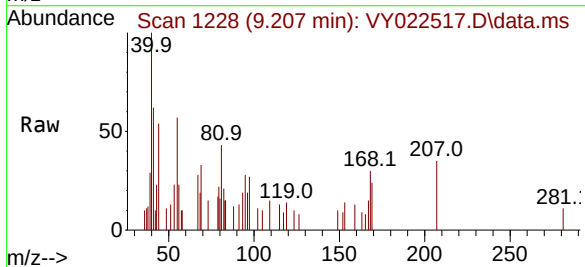
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MHB-VOC

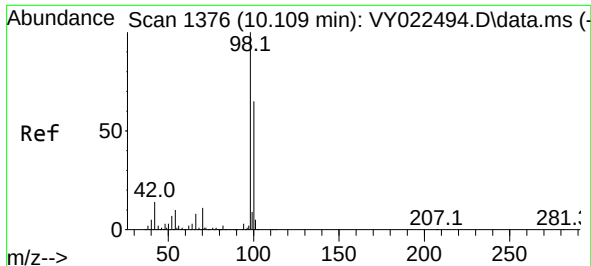
Tgt Ion:117 Resp: 28820
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.165 ug/l
RT: 9.207 min Scan# 1228
Delta R.T. -0.037 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 1507.4 25.4 38.2#
58 177.8 54.9 82.3#

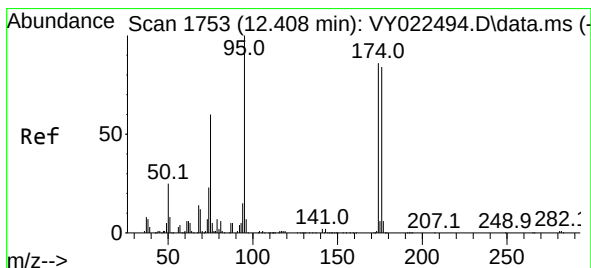
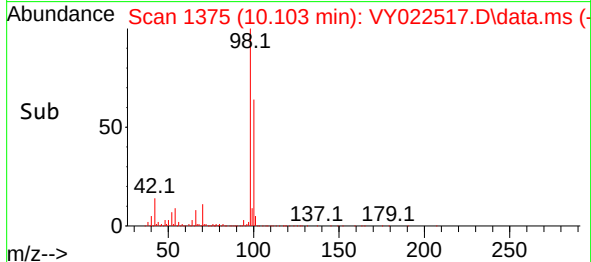
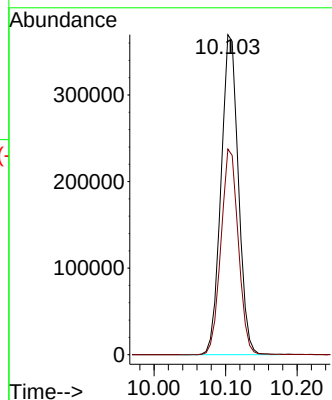
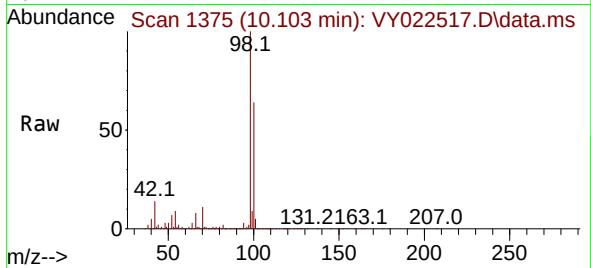




#50
Toluene-d8
Concen: 50.176 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

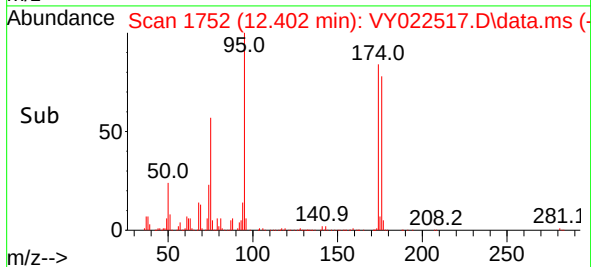
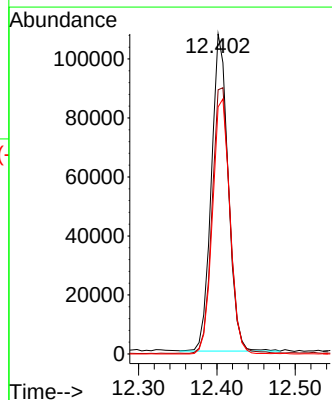
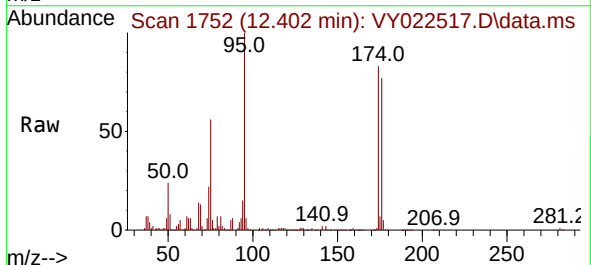
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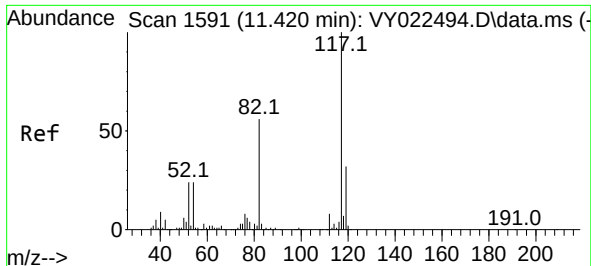
Tgt Ion: 98 Resp: 622125
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.546 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion: 95 Resp: 160866
Ion Ratio Lower Upper
95 100
174 88.1 0.0 170.0
176 83.3 0.0 166.2

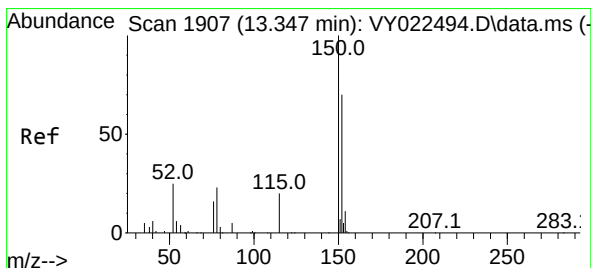
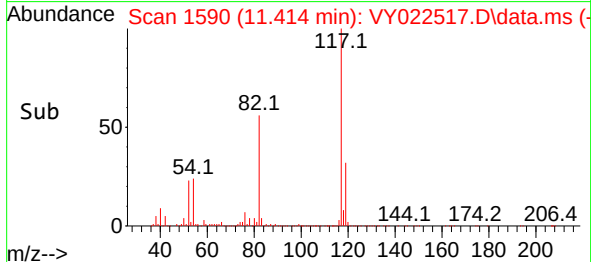
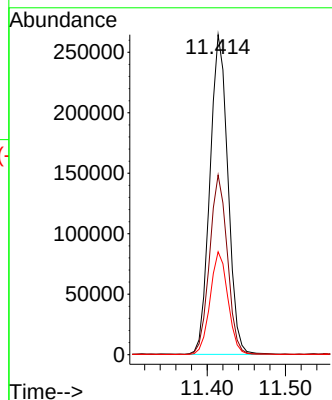
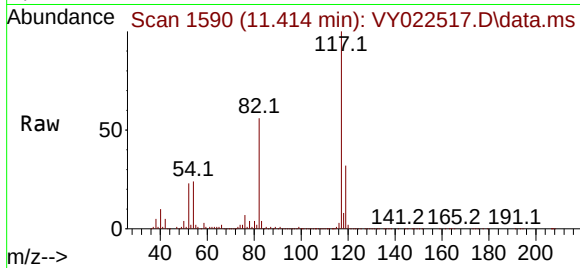




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

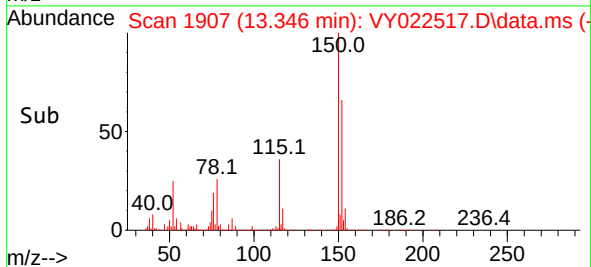
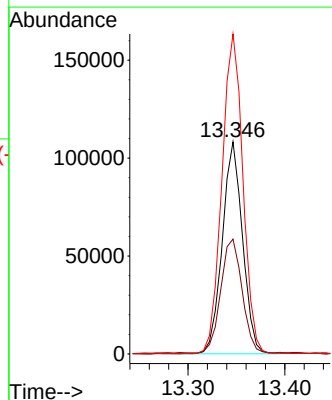
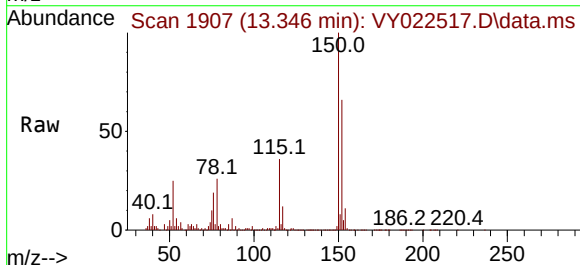
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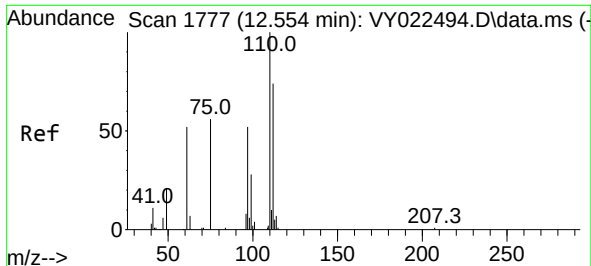
Tgt Ion:117 Resp: 420814
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion:152 Resp: 156923
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 156.1 0.0 349.6

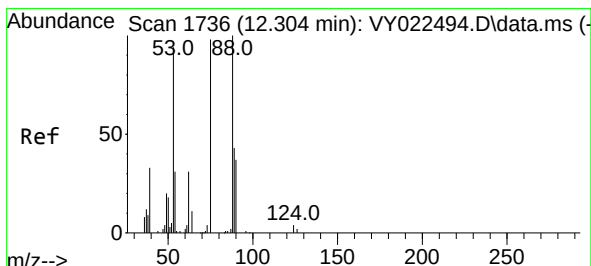
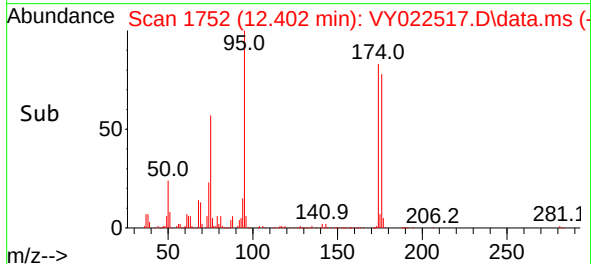
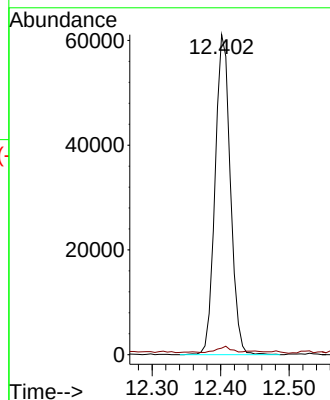
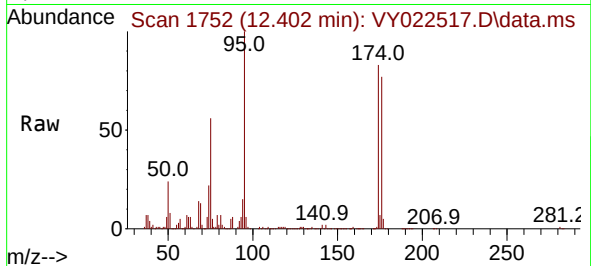




#76
1,2,3-Trichloropropane
Concen: 52.499 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Instrument :
MSVOA_Y
ClientSampleId :
TP02-MHB-VOC

Tgt Ion: 75 Resp: 94250
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.783 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022517.D
Acq: 03 Jun 2025 13:04

Tgt Ion: 75 Resp: 94250
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

