

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022619.D
 Acq On : 09 Jun 2025 10:52
 Operator : SY/MD
 Sample : Q2228-02
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP08-MHI-VOC

Quant Time: Jun 10 01:26:19 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)

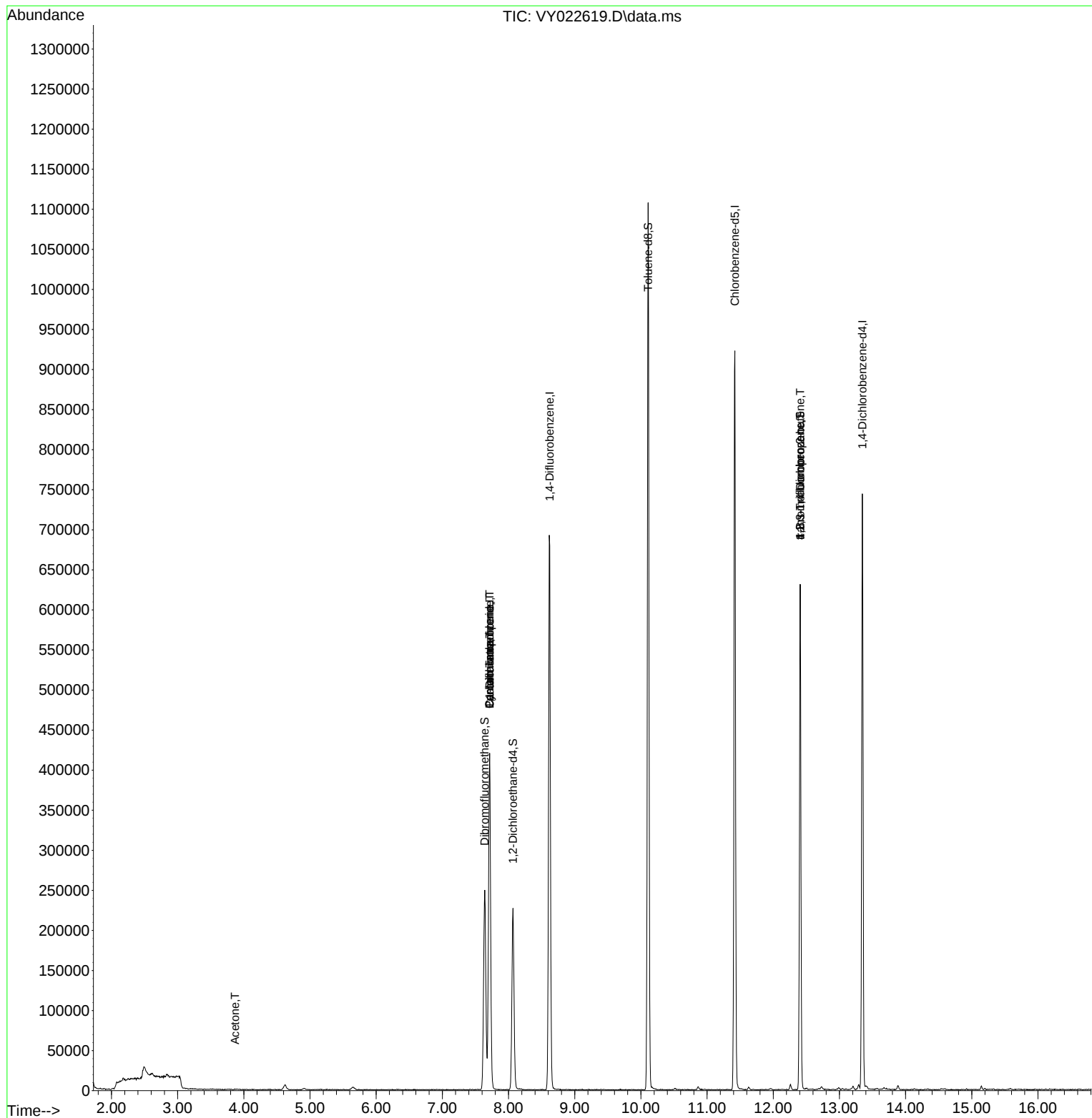
Internal Standards						
1) Pentafluorobenzene	7.713	168	304519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	561610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	168083	49.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.700%
35) Dibromofluoromethane	7.640	113	168724	50.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.660%
50) Toluene-d8	10.109	98	682222	50.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.408	95	170059	42.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.280%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1117	1.615	ug/l #	74
31) Cyclohexane	7.713	56	8505	1.300	ug/l #	33
36) 1,1-Dichloropropene	7.713	75	27007	4.964	ug/l #	50
38) Carbon Tetrachloride	7.713	117	31928	5.721	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	101332	53.378	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	101332	128.905	ug/l #	10

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

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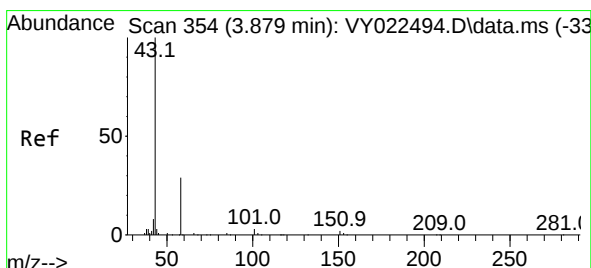
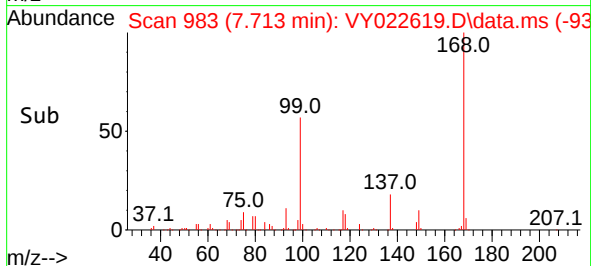
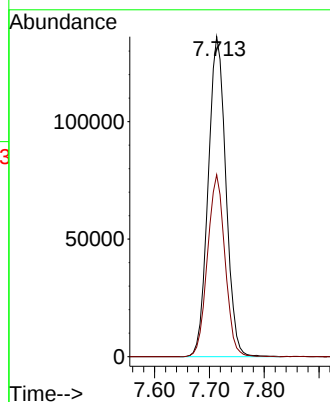
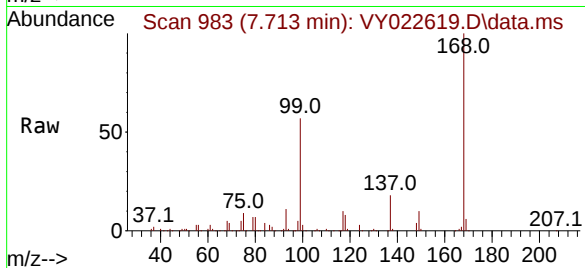




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

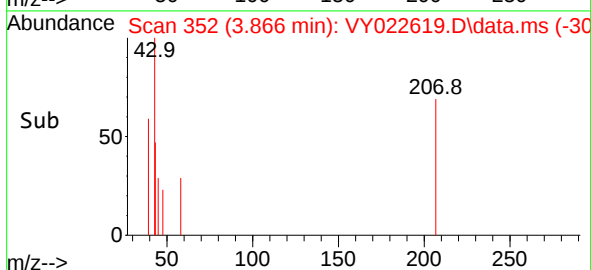
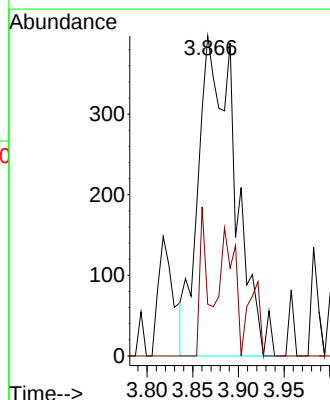
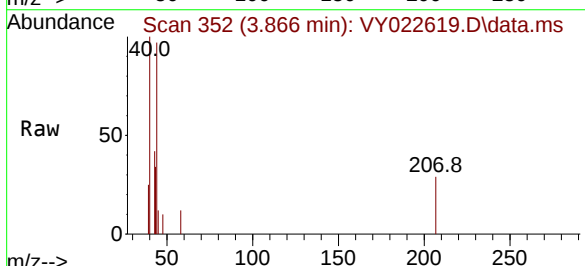
Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

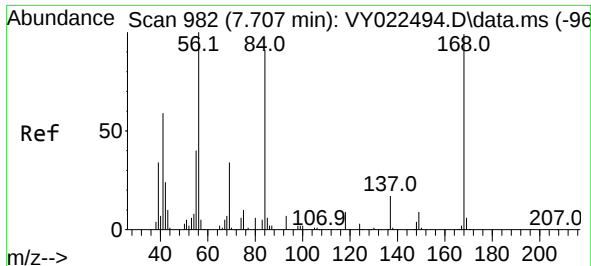
Tgt Ion:168 Resp: 304519
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#16
Acetone
Concen: 1.615 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
58 16.1 24.0 36.0#

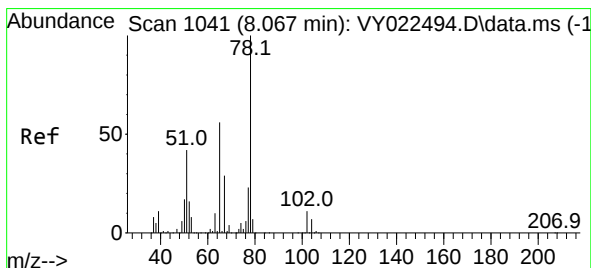
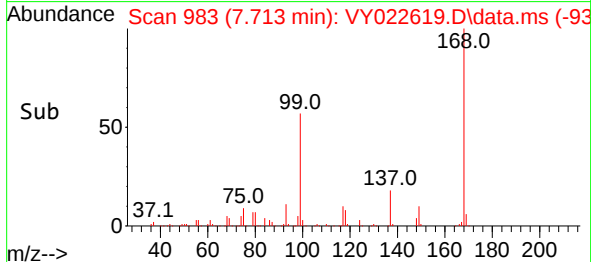
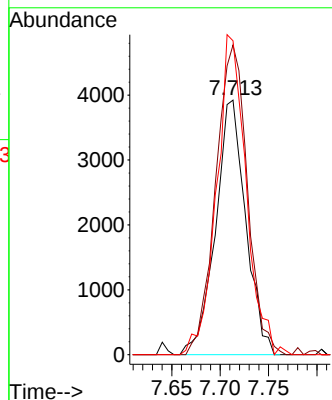
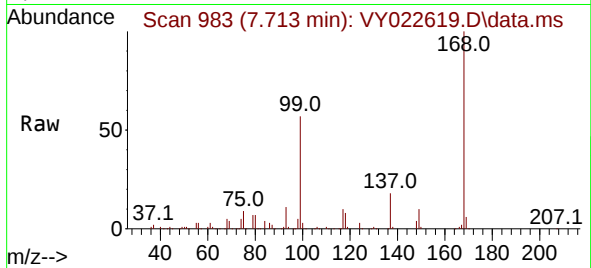




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

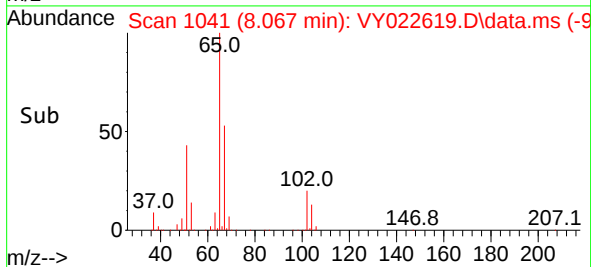
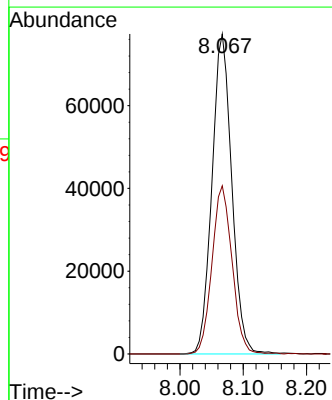
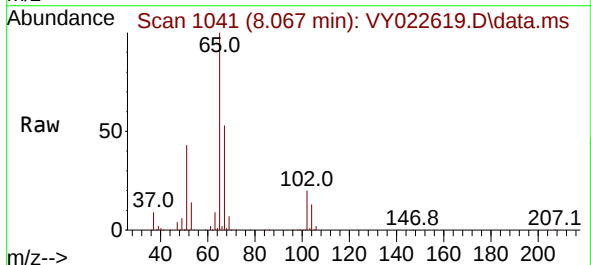
Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

Tgt Ion: 56 Resp: 8505
Ion Ratio Lower Upper
56 100
69 121.7 27.0 40.6#
84 123.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.351 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 65 Resp: 168083
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

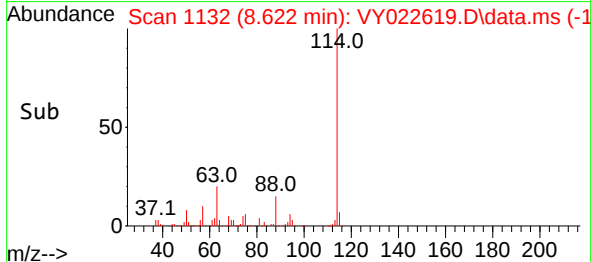
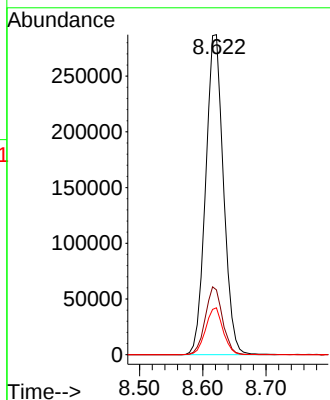
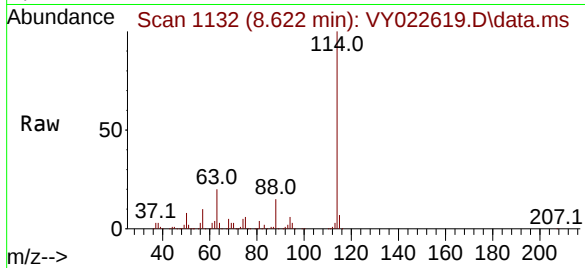




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

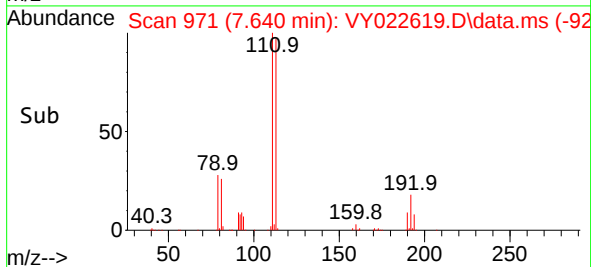
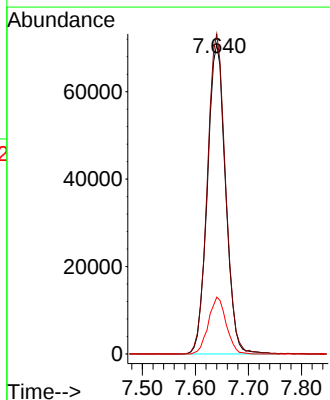
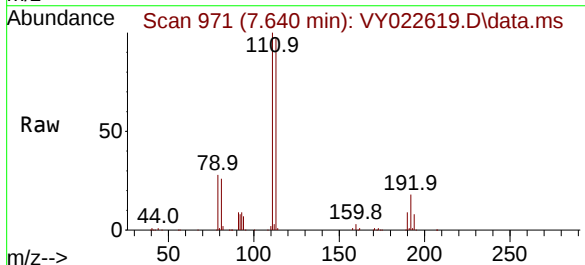
Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

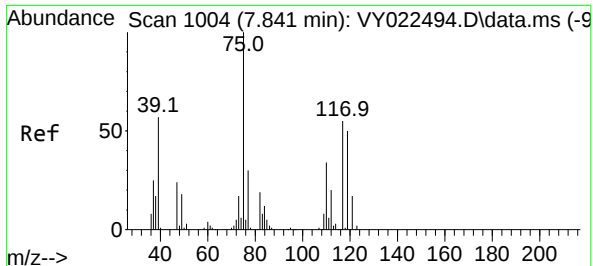
Tgt Ion:114 Resp: 561610
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.333 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion:113 Resp: 168724
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 17.9 14.2 21.2

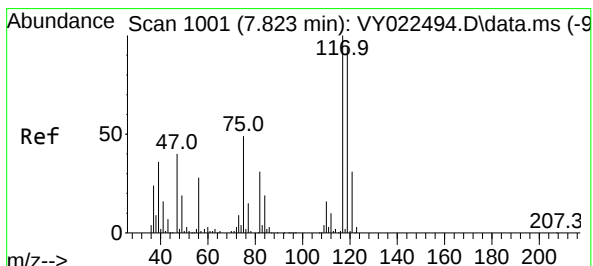
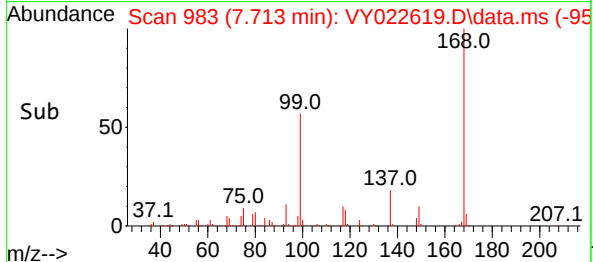
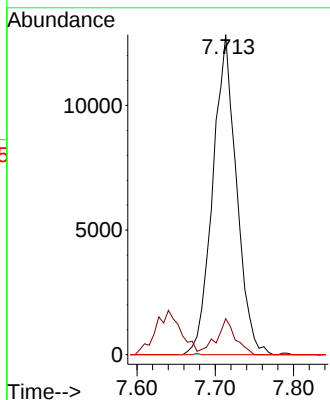
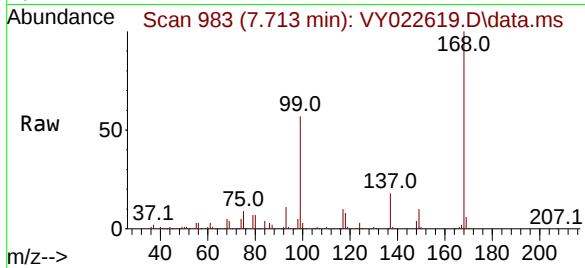




#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

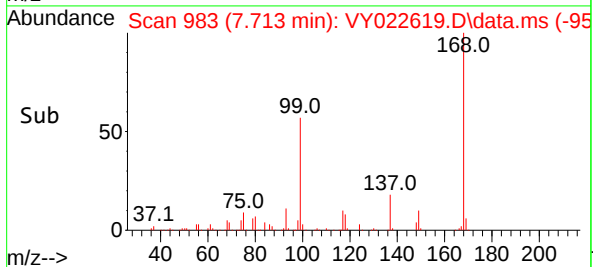
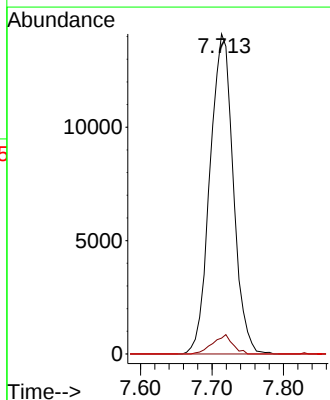
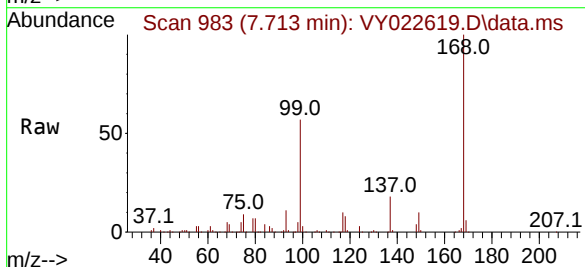
Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

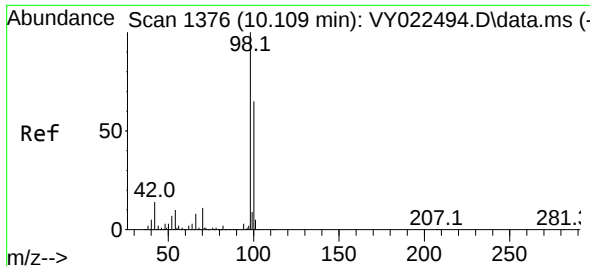
Tgt Ion: 75 Resp: 27007
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 117 Resp: 31928
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 25.0 37.4#

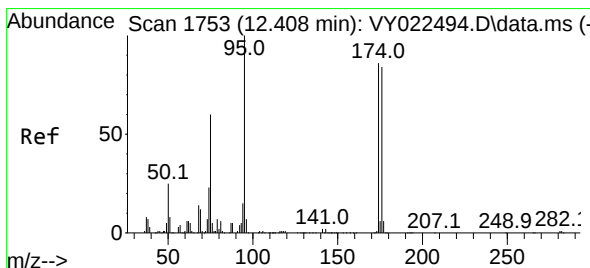
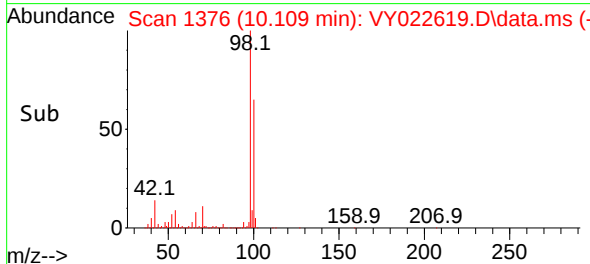
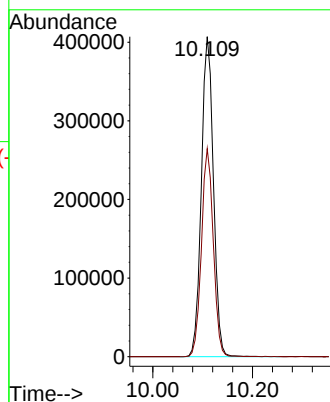
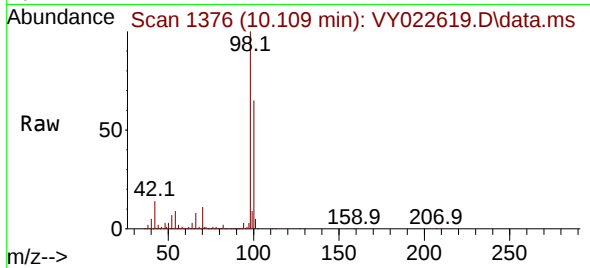




#50
Toluene-d8
Concen: 50.368 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

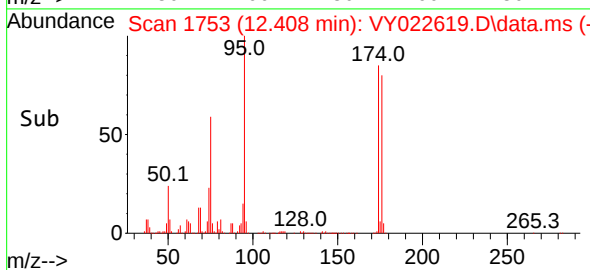
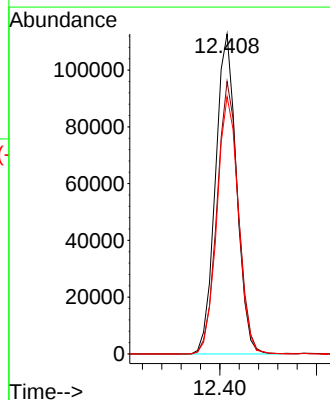
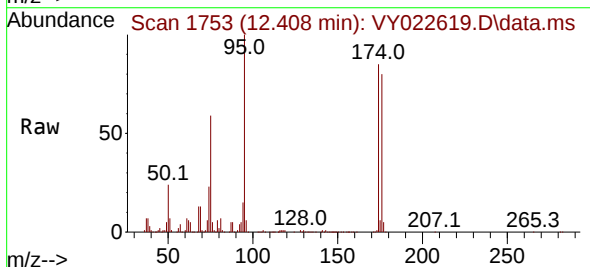
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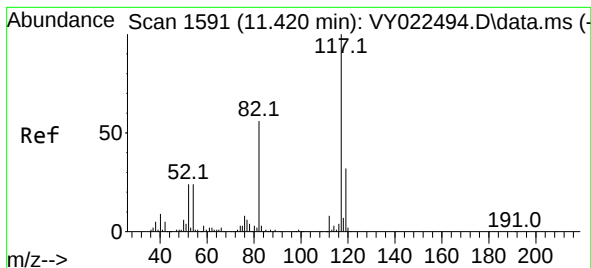
Tgt Ion: 98 Resp: 682222
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.139 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 95 Resp: 170059
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022619.D

Acq: 09 Jun 2025 10:52

Instrument :

MSVOA_Y

ClientSampleId :

TP08-MHI-VOC

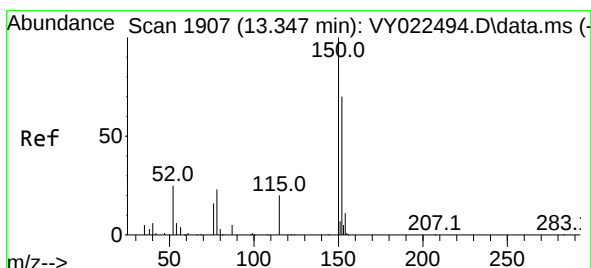
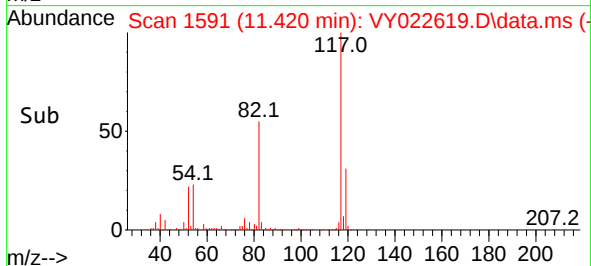
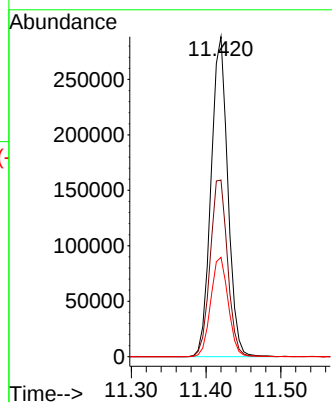
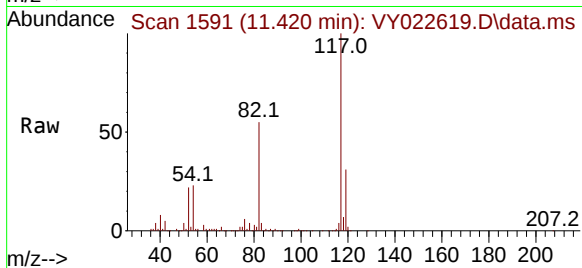
Tgt Ion:117 Resp: 451373

Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

119 31.1 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: VY022619.D

Acq: 09 Jun 2025 10:52

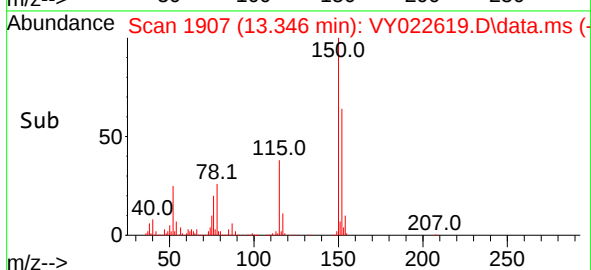
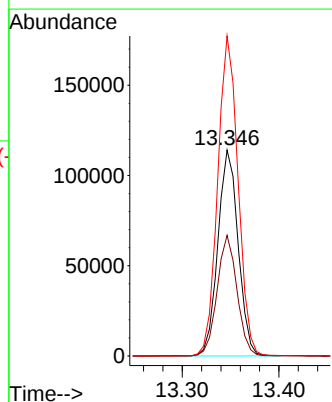
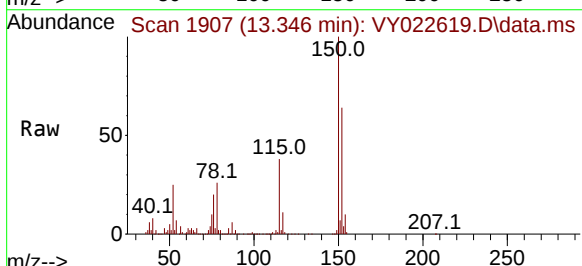
Tgt Ion:152 Resp: 165937

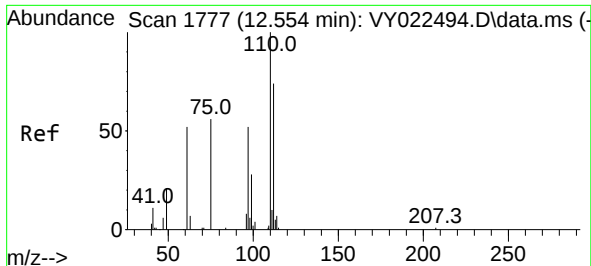
Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 155.6 0.0 349.6

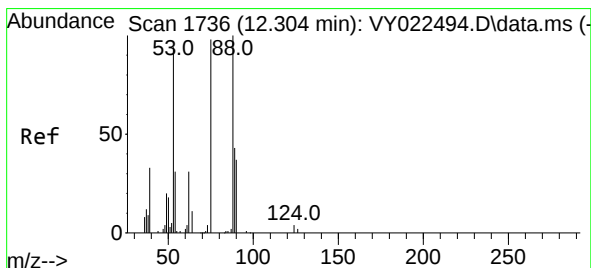
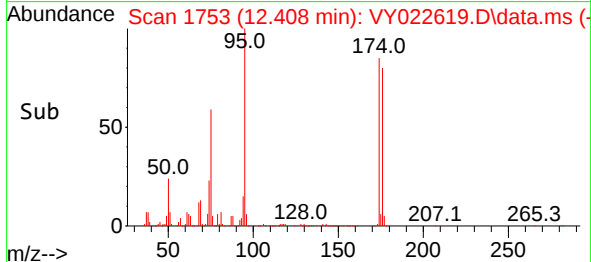
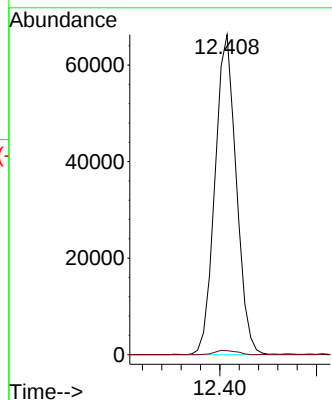
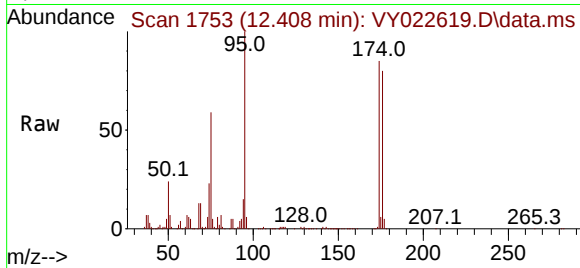




#76
1,2,3-Trichloropropane
Concen: 53.378 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Instrument :
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ClientSampleId :
TP08-MHI-VOC

Tgt Ion: 75 Resp: 101332
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.905 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 75 Resp: 101332
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

