

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022629.D
 Acq On : 09 Jun 2025 14:46
 Operator : SY/MD
 Sample : Q2260-02
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP10-MHG-VOC

Quant Time: Jun 10 01:29:58 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)

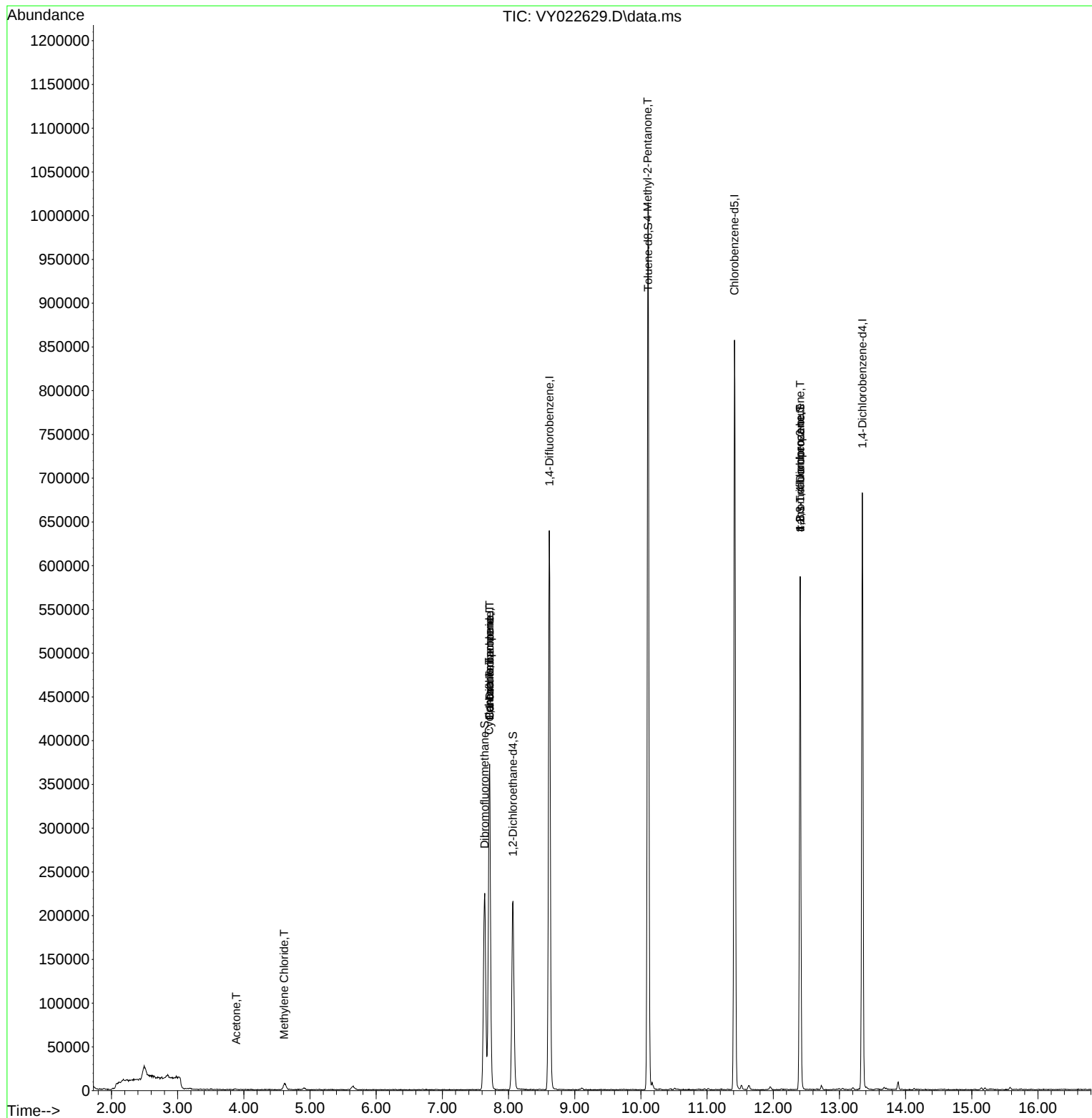
Internal Standards						
1) Pentafluorobenzene	7.713	168	272674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	513058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	158673	52.029	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.060%	
35) Dibromofluoromethane	7.640	113	157065	51.289	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.580%	
50) Toluene-d8	10.109	98	625735	50.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.407	95	154751	41.975	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	846	1.366	ug/l	97
20) Methylene Chloride	4.610	84	4807	1.366	ug/l #	90
31) Cyclohexane	7.707	56	8195	1.398	ug/l #	31
36) 1,1-Dichloropropene	7.713	75	24981	5.026	ug/l #	50
38) Carbon Tetrachloride	7.713	117	27951	5.482	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3466	1.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	95300	54.573	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	95300	131.792	ug/l #	10

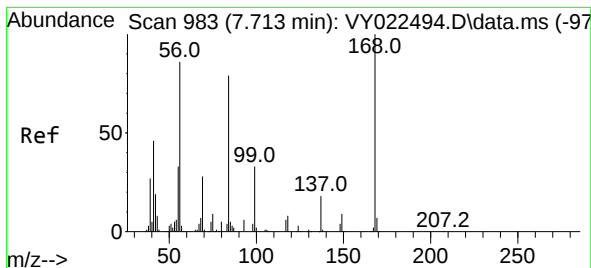
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022629.D

Acq: 09 Jun 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

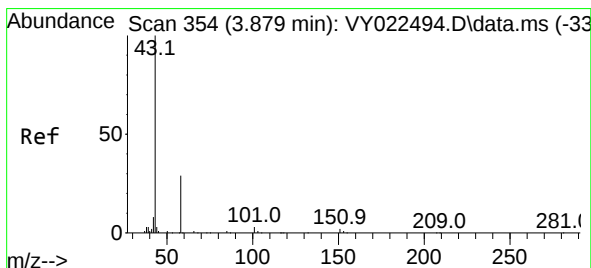
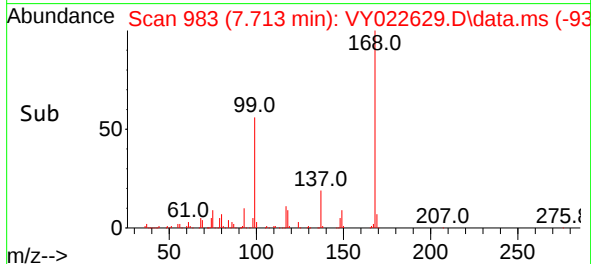
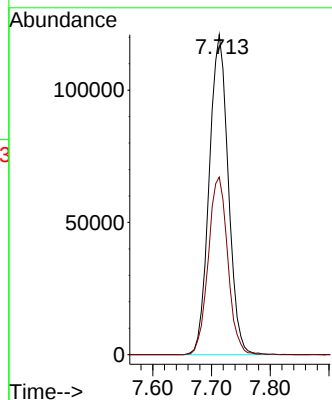
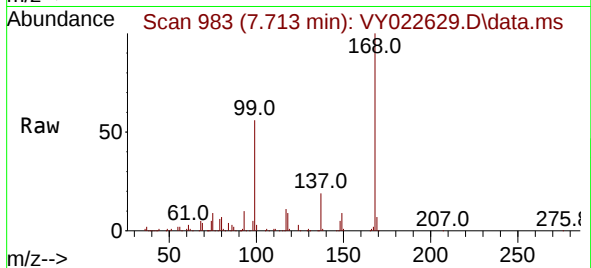
TP10-MHG-VOC

Tgt Ion:168 Resp: 272674

Ion Ratio Lower Upper

168 100

99 55.5 44.3 66.5



#16

Acetone

Concen: 1.366 ug/l

RT: 3.885 min Scan# 355

Delta R.T. 0.006 min

Lab File: VY022629.D

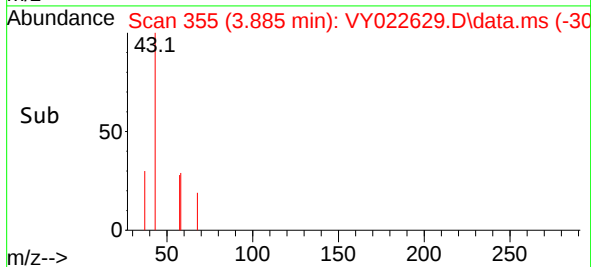
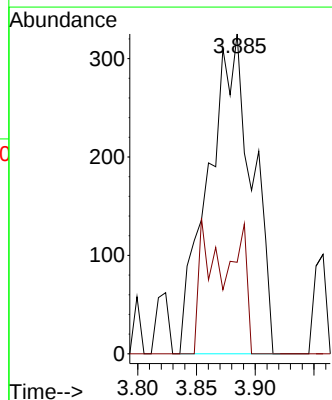
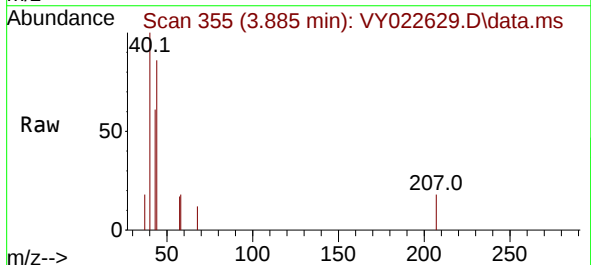
Acq: 09 Jun 2025 14:46

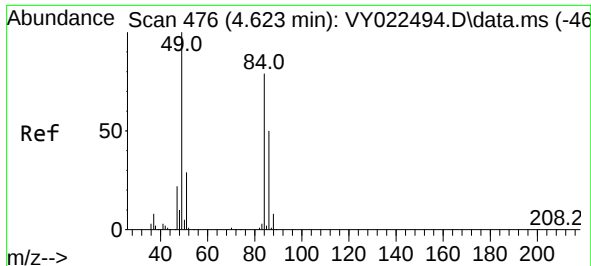
Tgt Ion: 43 Resp: 846

Ion Ratio Lower Upper

43 100

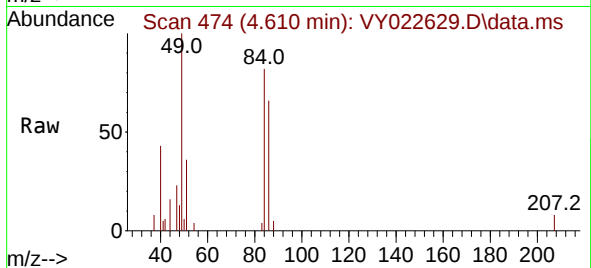
58 28.6 24.0 36.0



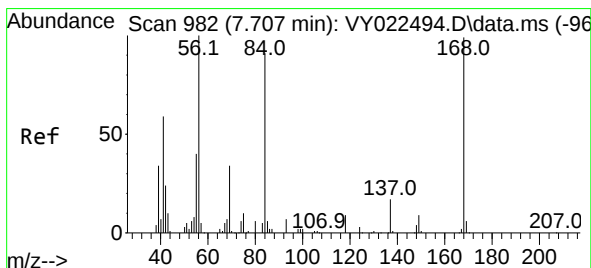
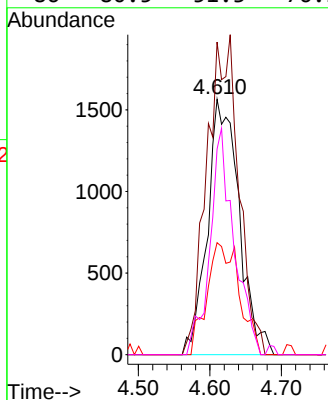
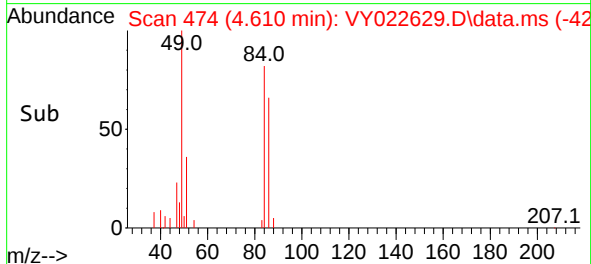


#20
Methylene Chloride
Concen: 1.366 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP10-MHG-VOC

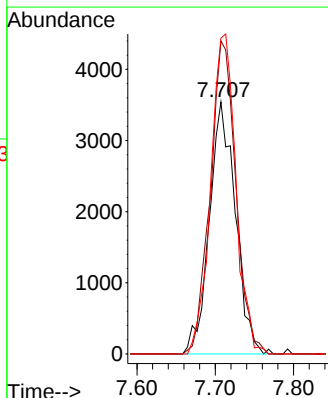
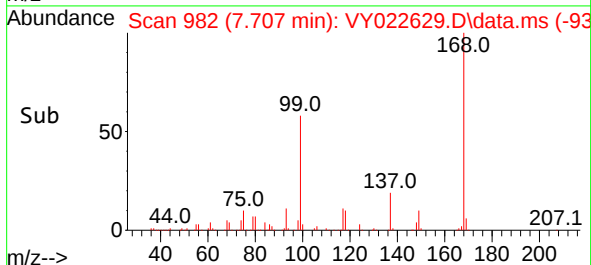
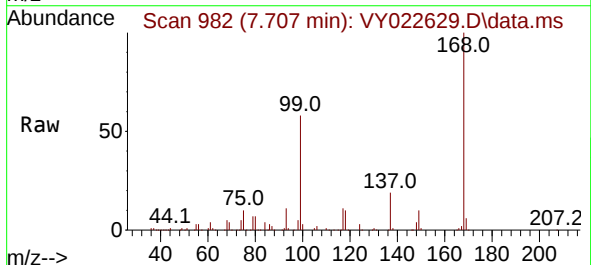


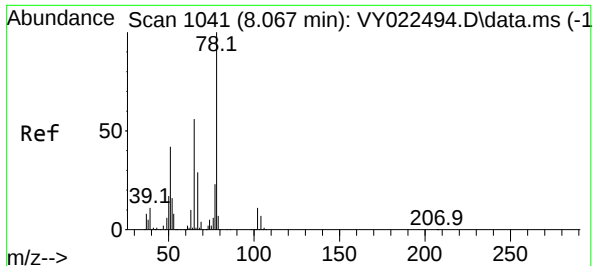
Tgt Ion:	84	Resp:	4807
Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.9	152.9
51	43.8	29.8	44.8
86	80.5	51.3	76.9



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Tgt Ion:	56	Resp:	8195
Ion	Ratio	Lower	Upper
56	100		
69	124.2	27.0	40.6
84	125.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 52.029 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY022629.D

Acq: 09 Jun 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

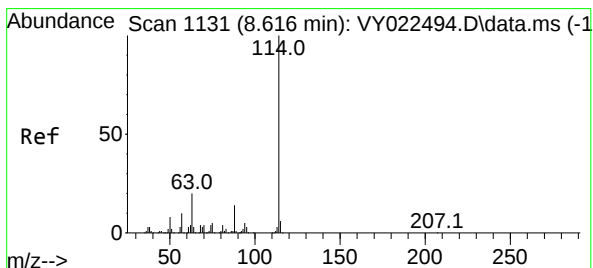
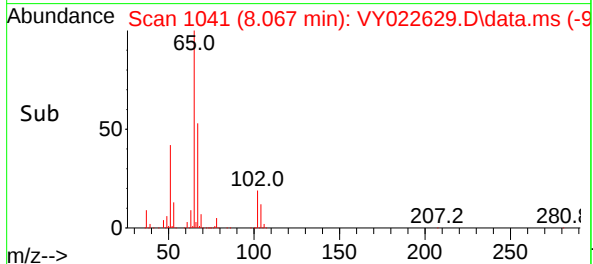
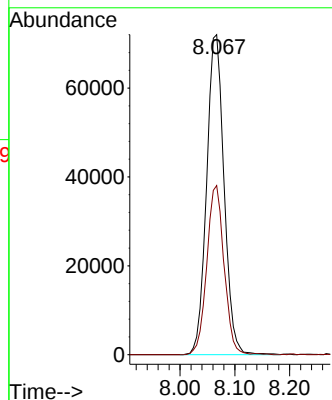
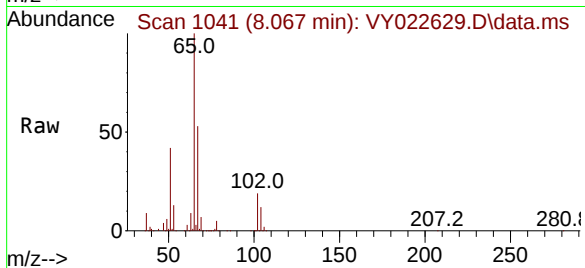
TP10-MHG-VOC

Tgt Ion: 65 Resp: 158673

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022629.D

Acq: 09 Jun 2025 14:46

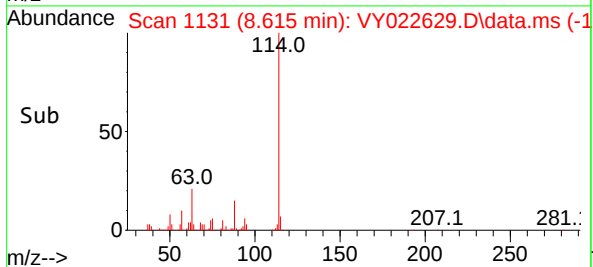
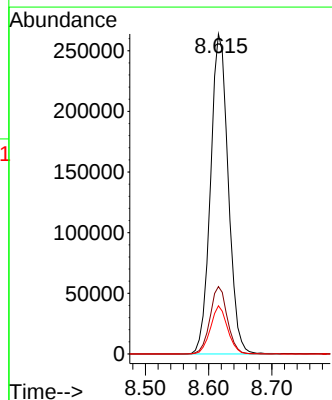
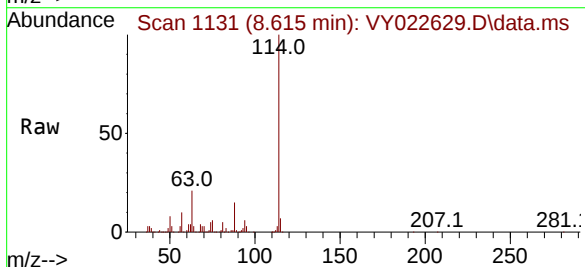
Tgt Ion: 114 Resp: 513058

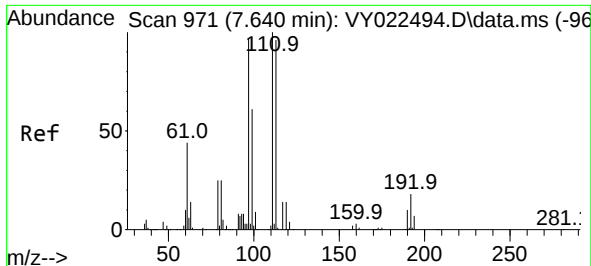
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.0 0.0 27.8

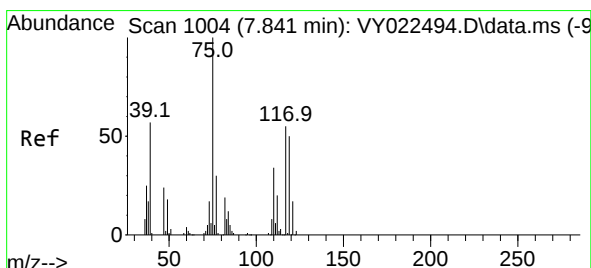
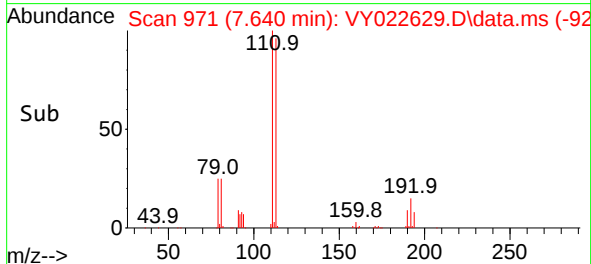
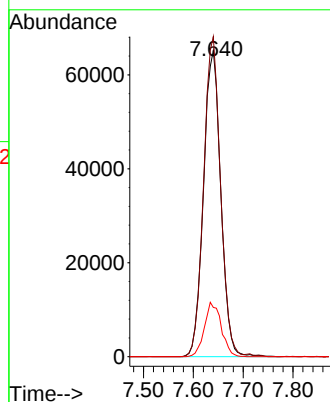
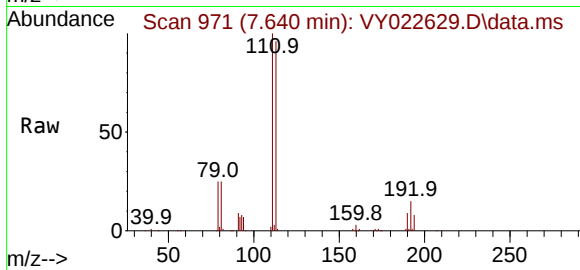




#35
Dibromofluoromethane
Concen: 51.289 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

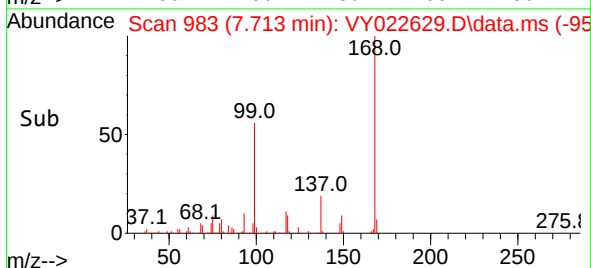
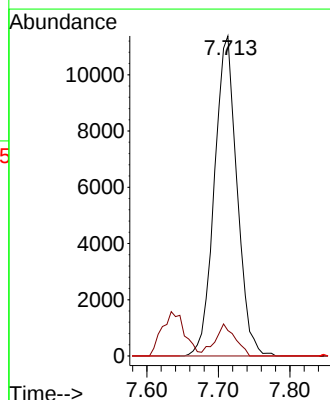
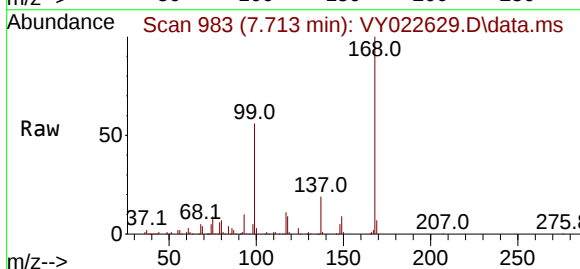
Instrument :
MSVOA_Y
ClientSampleId :
TP10-MHG-VOC

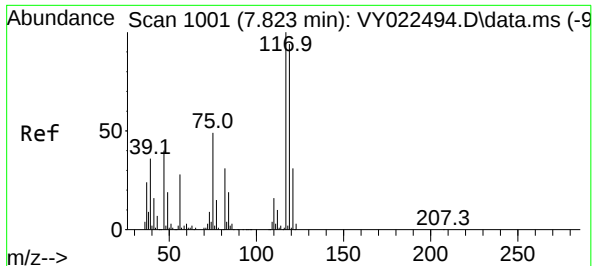
Tgt Ion:113 Resp: 157065
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 17.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Tgt Ion: 75 Resp: 24981
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#

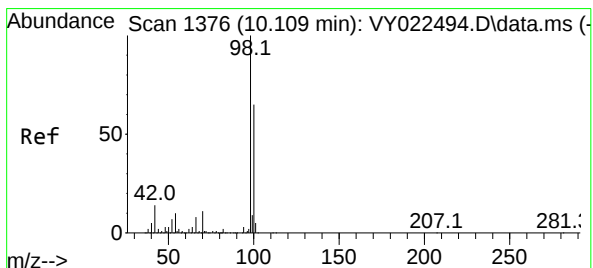
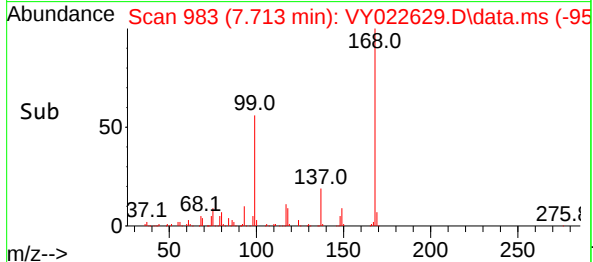
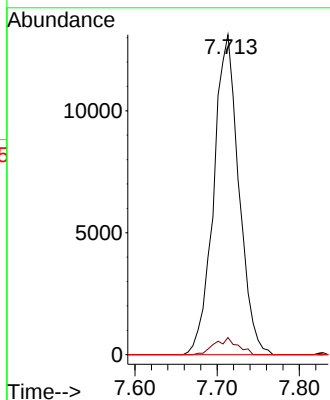
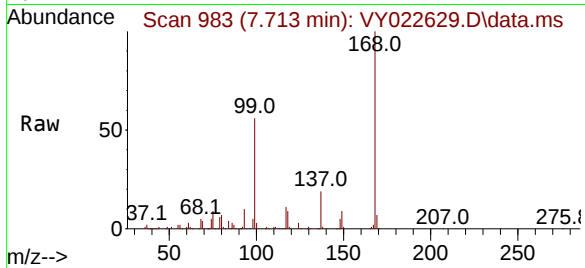




#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

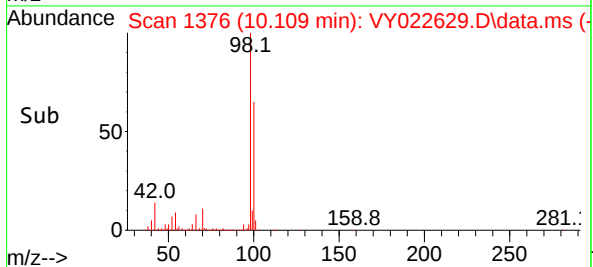
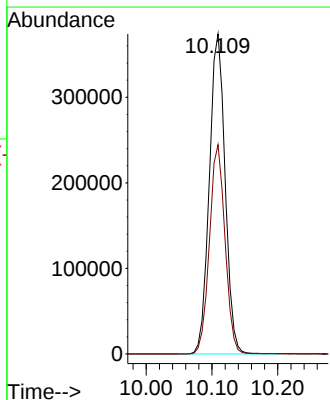
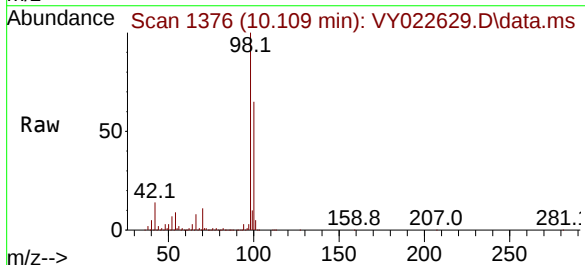
Instrument :
MSVOA_Y
ClientSampleId :
TP10-MHG-VOC

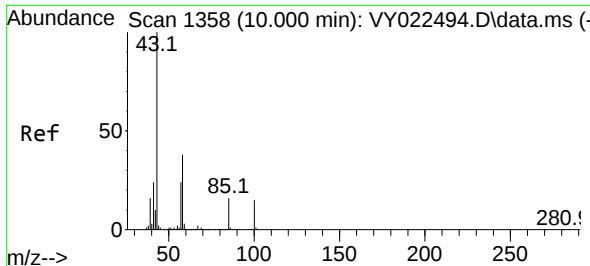
Tgt Ion:117 Resp: 27951
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.569 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Tgt Ion: 98 Resp: 625735
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

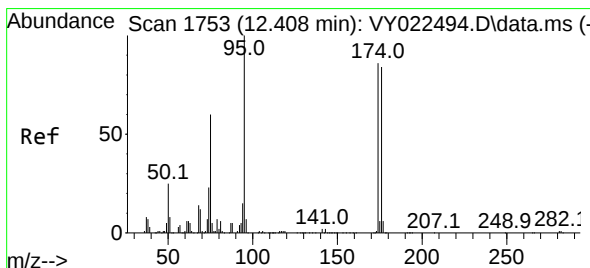
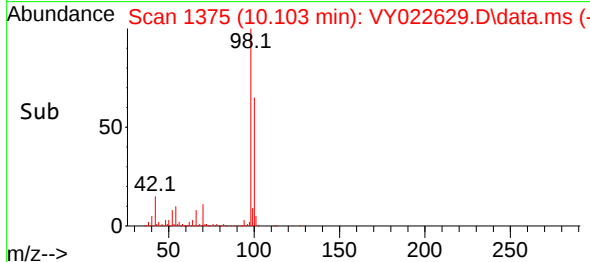
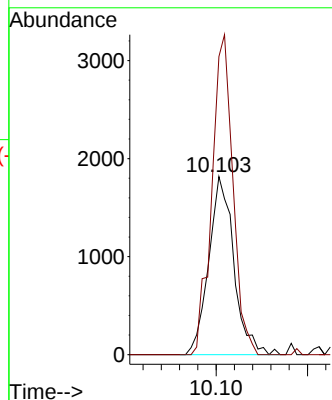
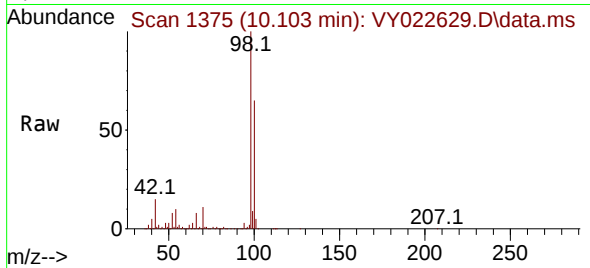




#51
4-Methyl-2-Pentanone
Concen: 1.452 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

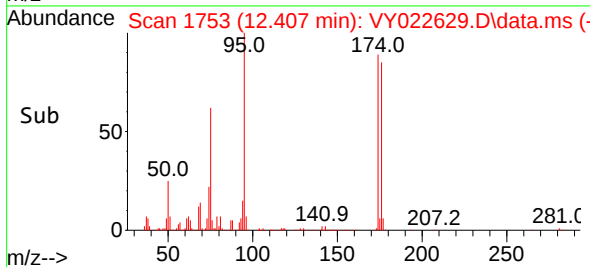
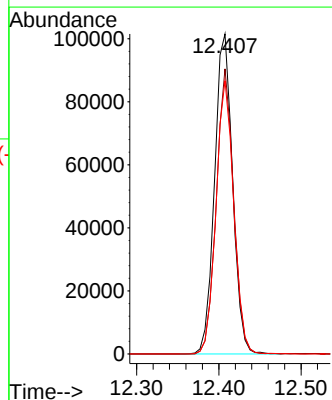
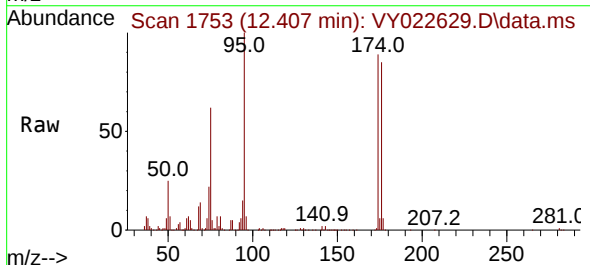
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TP10-MHG-VOC

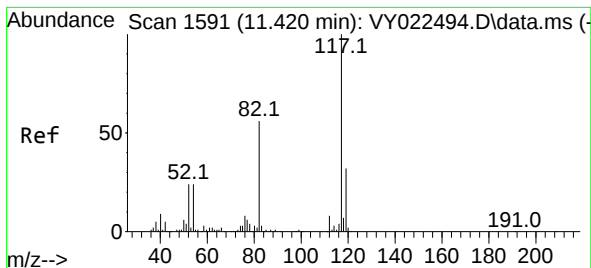
Tgt Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
58 151.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 41.975 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Tgt Ion: 95 Resp: 154751
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 83.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022629.D

Acq: 09 Jun 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

TP10-MHG-VOC

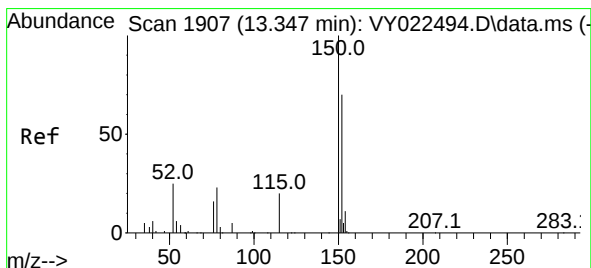
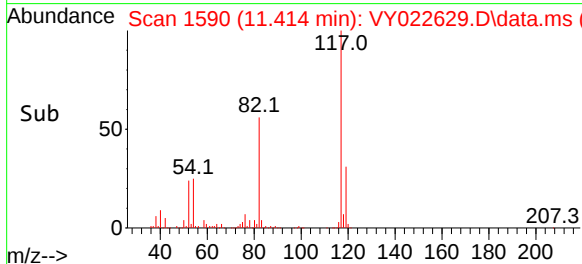
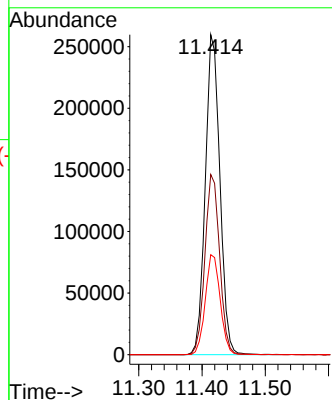
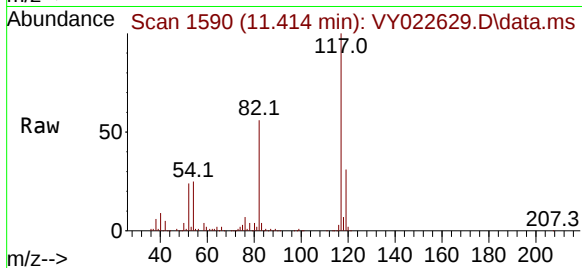
Tgt Ion:117 Resp: 417439

Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 31.3 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: VY022629.D

Acq: 09 Jun 2025 14:46

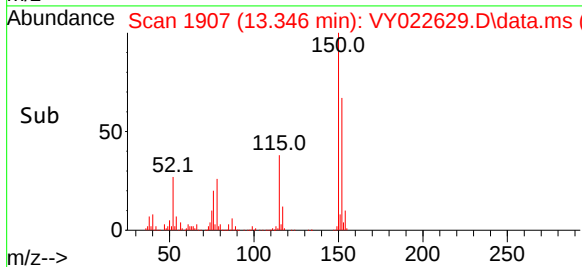
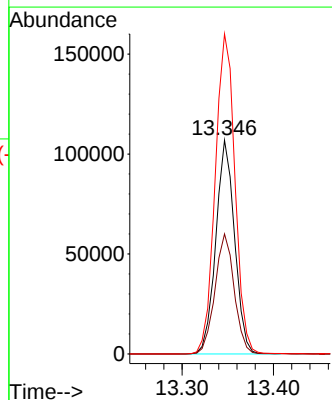
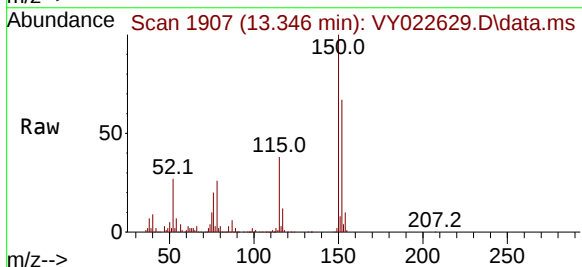
Tgt Ion:152 Resp: 152641

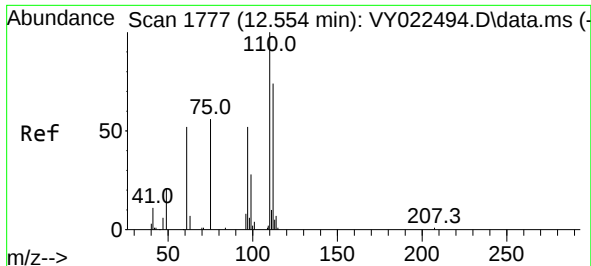
Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 157.4 0.0 349.6

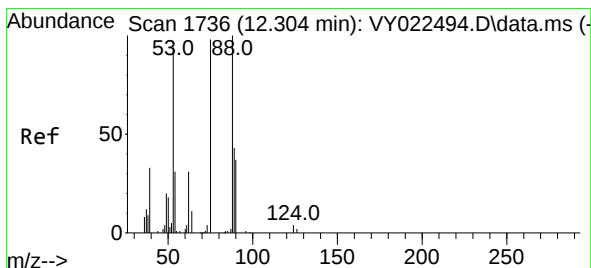
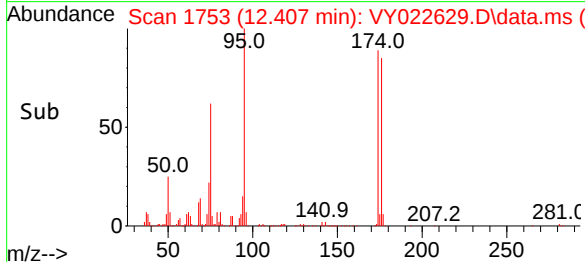
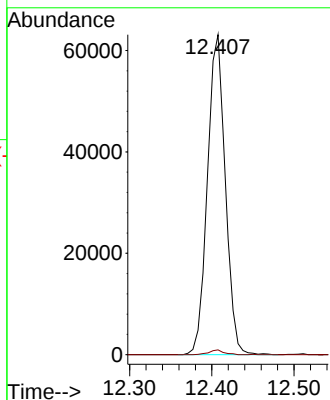
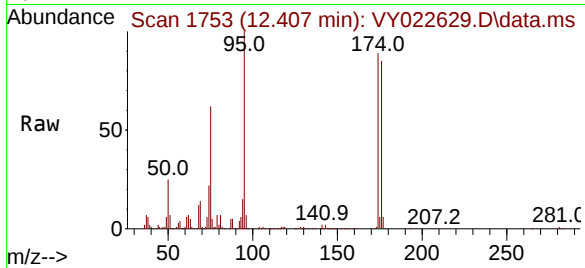




#76
1,2,3-Trichloropropane
Concen: 54.573 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
TP10-MHG-VOC

Tgt Ion: 75 Resp: 95300
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.792 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022629.D
Acq: 09 Jun 2025 14:46

Tgt Ion: 75 Resp: 95300
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.1 35.7 53.5#

