

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022630.D
 Acq On : 09 Jun 2025 15:10
 Operator : SY/MD
 Sample : Q2265-02
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP11-MHL-VOC

Quant Time: Jun 10 01:30:19 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)

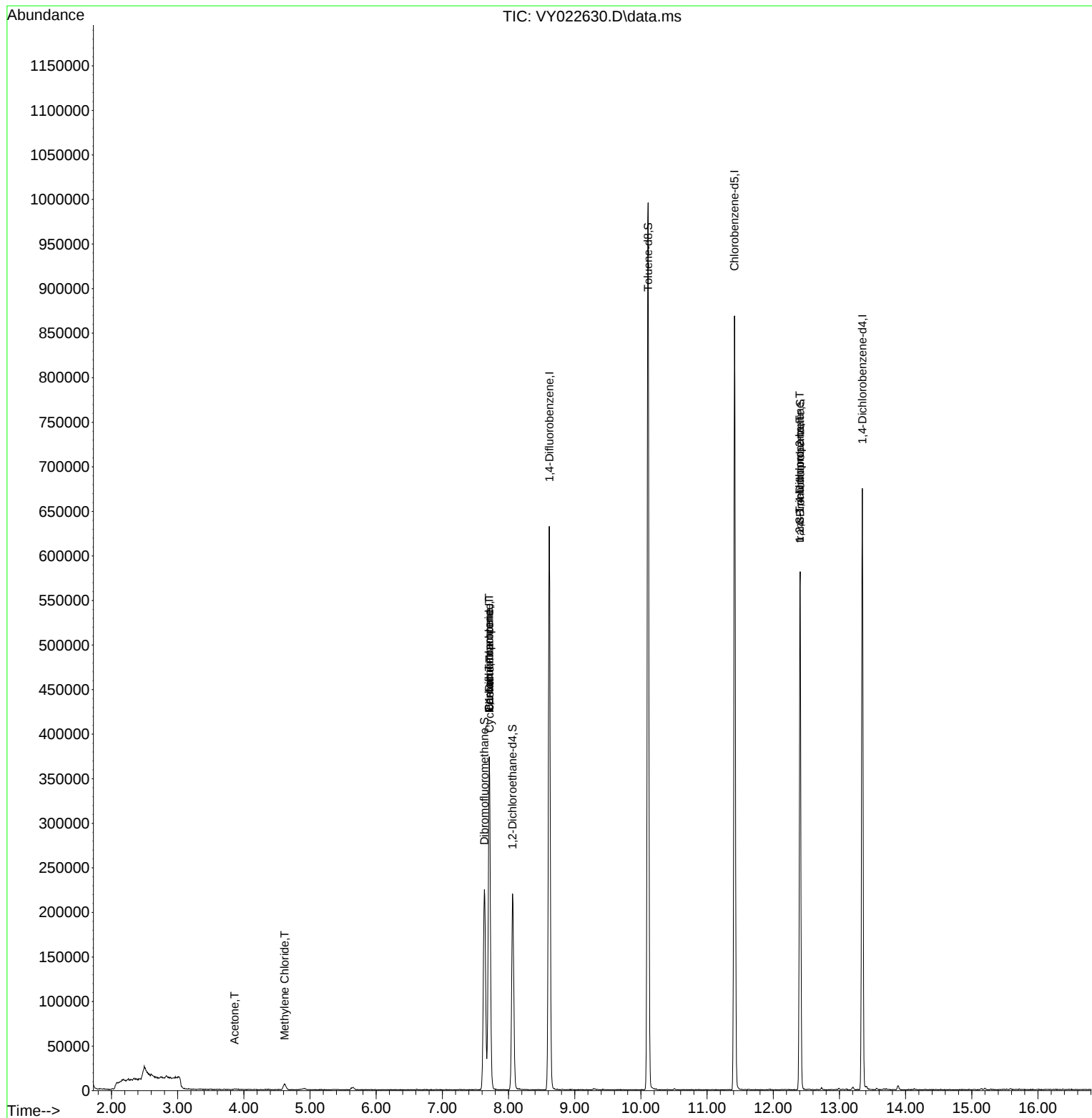
Internal Standards						
1) Pentafluorobenzene	7.707	168	270086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	515434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163076	53.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.980%	
35) Dibromofluoromethane	7.634	113	155936	50.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.380%	
50) Toluene-d8	10.109	98	626336	50.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.408	95	156001	42.119	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	1362	2.220	ug/l #	85
20) Methylene Chloride	4.616	84	4003	1.149	ug/l	96
31) Cyclohexane	7.713	56	7523	1.296	ug/l #	48
36) 1,1-Dichloropropene	7.707	75	24290	4.865	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28663	5.596	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	94901	53.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	94901	130.375	ug/l #	10

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

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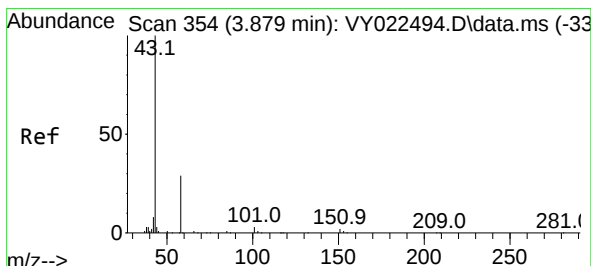
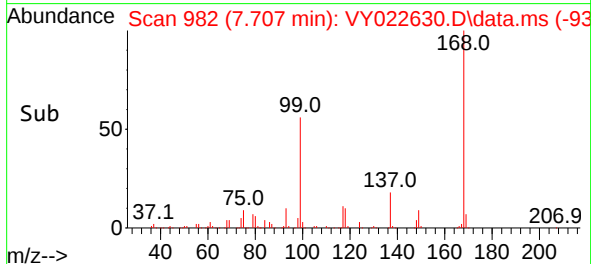
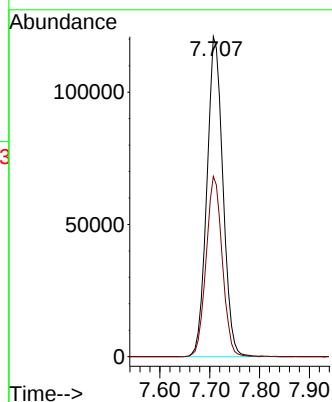
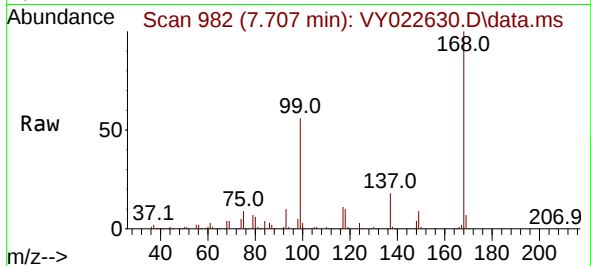




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

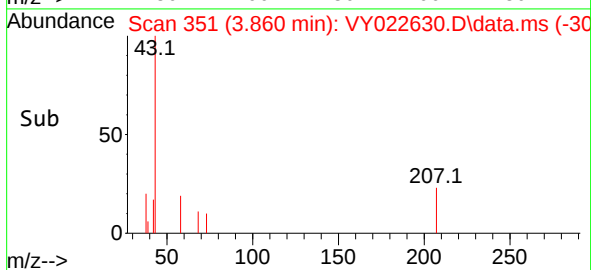
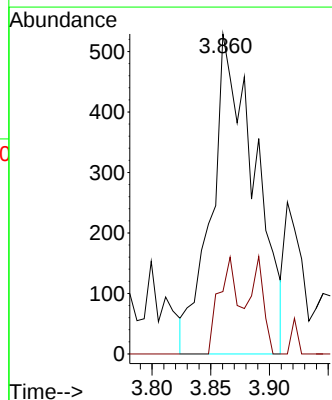
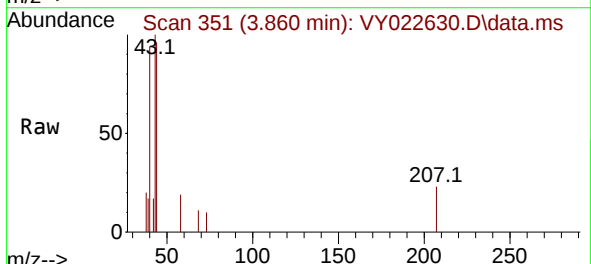
Instrument :
MSVOA_Y
ClientSampleId :
TP11-MHL-VOC

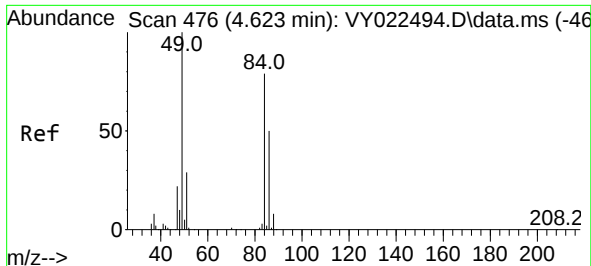
Tgt Ion:168 Resp: 270086
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 2.220 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
58 21.9 24.0 36.0#



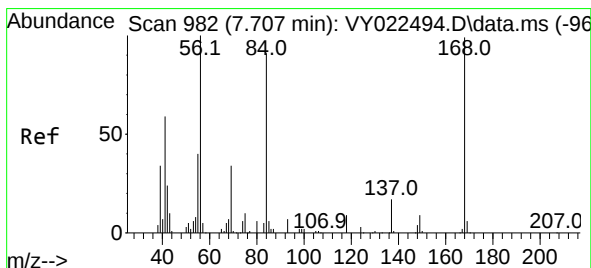
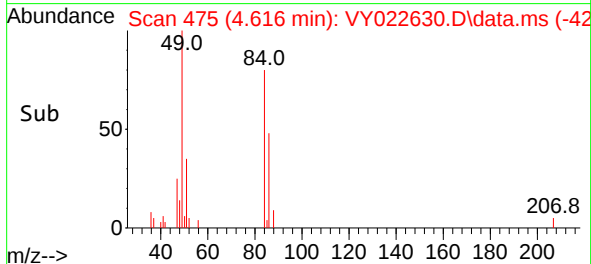
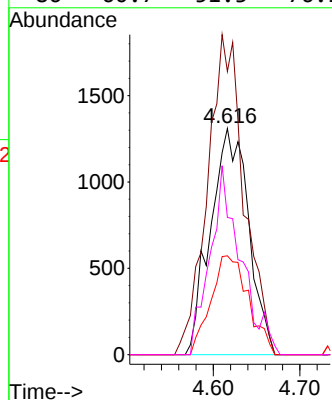
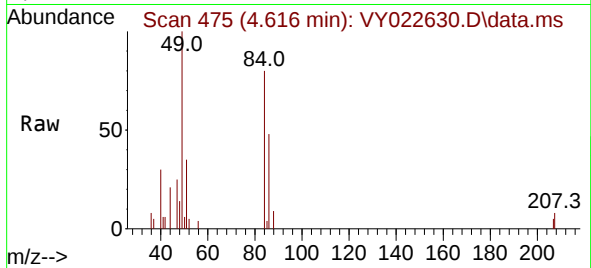


#20
Methylene Chloride
Concen: 1.149 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
TP11-MHL-VOC

Tgt Ion: 84 Resp: 4003

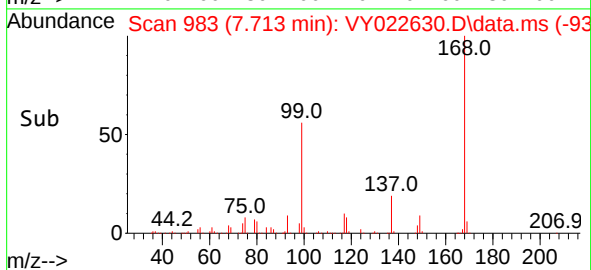
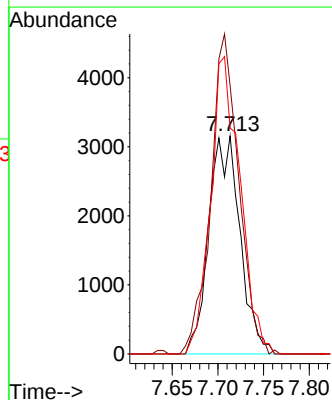
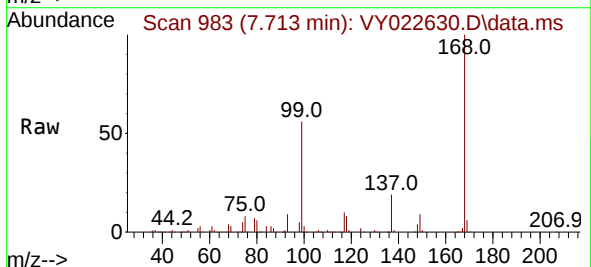
Ion	Ratio	Lower	Upper
84	100		
49	125.2	101.9	152.9
51	43.7	29.8	44.8
86	60.7	51.3	76.9

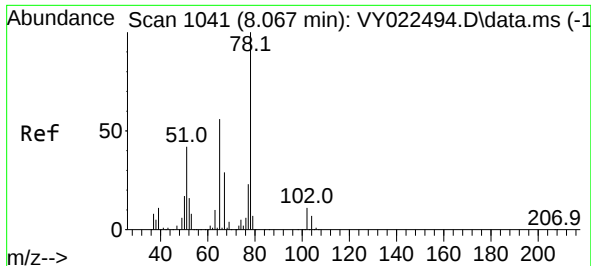


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Tgt Ion: 56 Resp: 7523

Ion	Ratio	Lower	Upper
56	100		
69	123.0	27.0	40.6#
84	103.6	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 53.985 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022630.D

Acq: 09 Jun 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

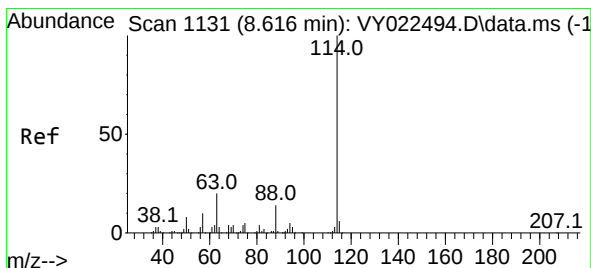
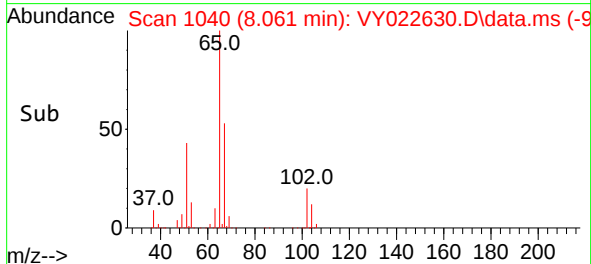
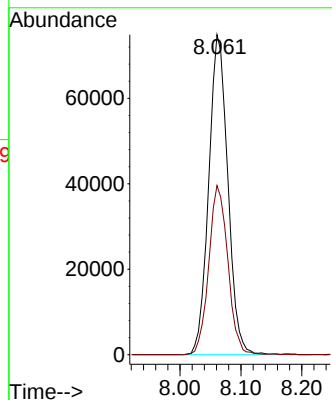
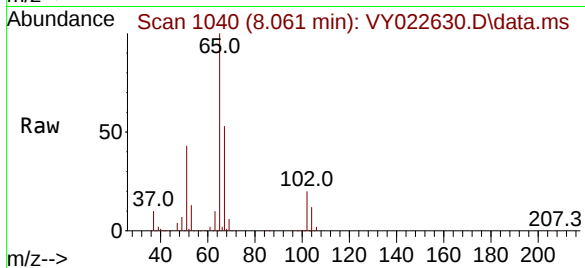
TP11-MHL-VOC

Tgt Ion: 65 Resp: 163076

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022630.D

Acq: 09 Jun 2025 15:10

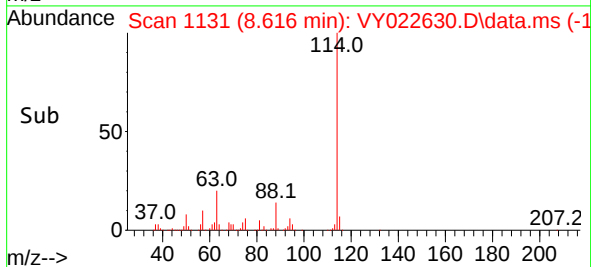
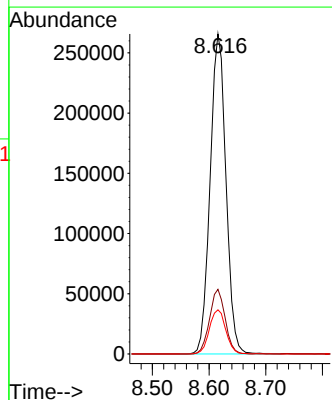
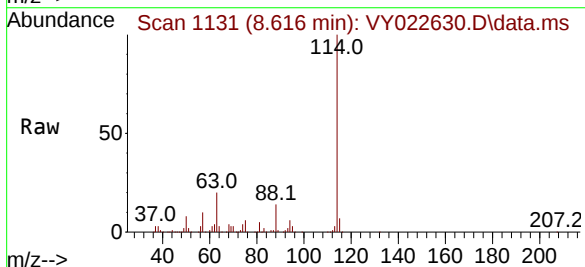
Tgt Ion: 114 Resp: 515434

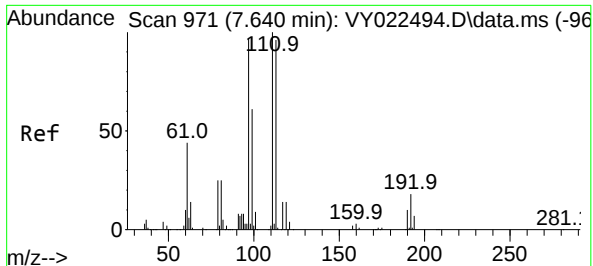
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 13.8 0.0 27.8

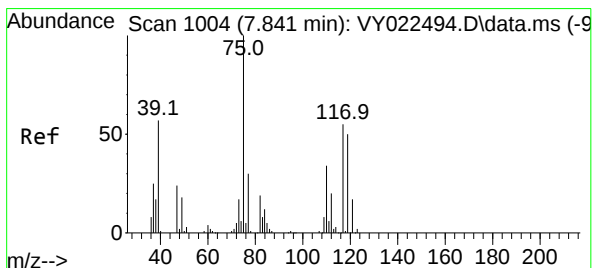
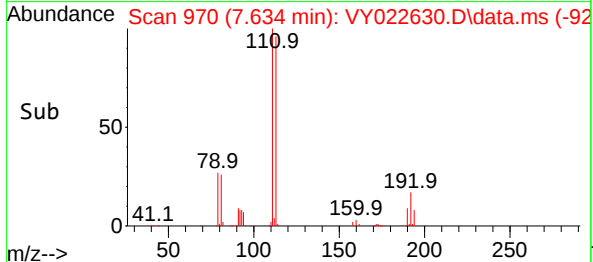
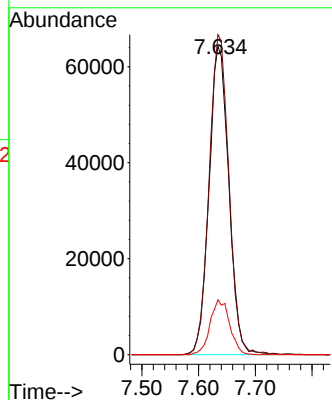
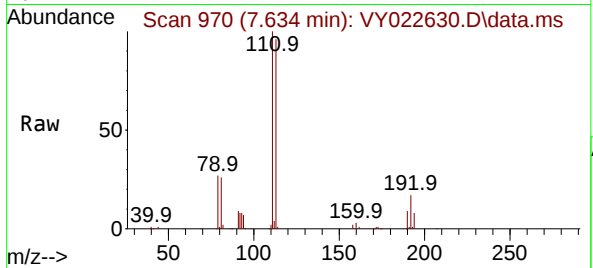




#35
Dibromofluoromethane
Concen: 50.686 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

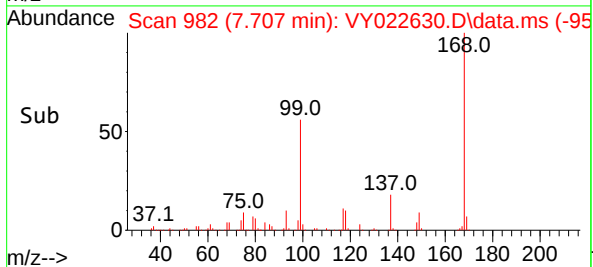
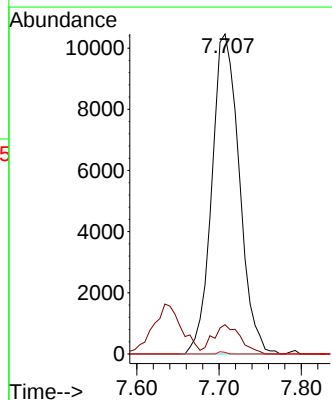
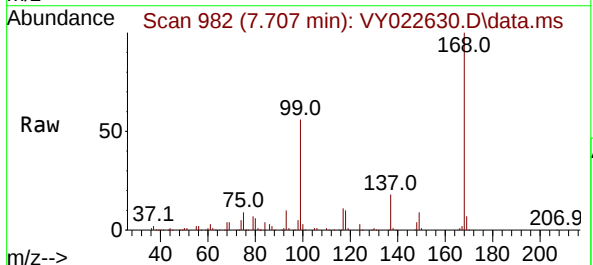
Instrument :
MSVOA_Y
ClientSampleId :
TP11-MHL-VOC

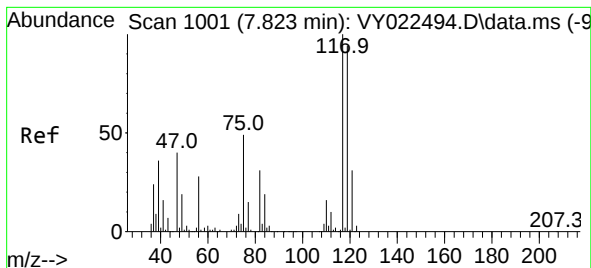
Tgt Ion:113 Resp: 155936
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Tgt Ion: 75 Resp: 24290
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.596 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022630.D

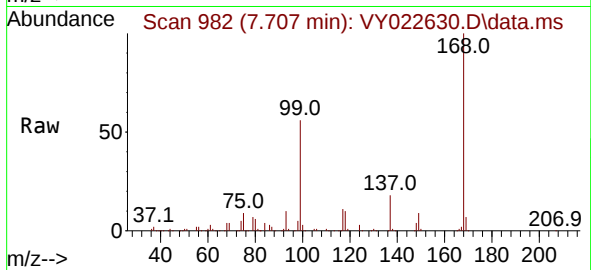
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Instrument :

MSVOA_Y

ClientSampleId :

TP11-MHL-VOC



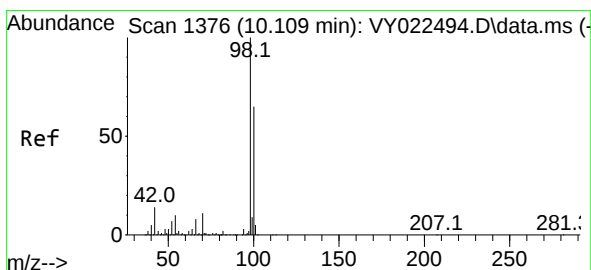
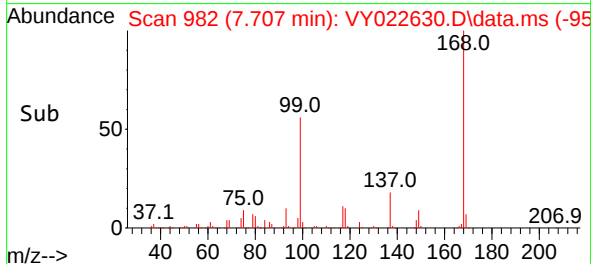
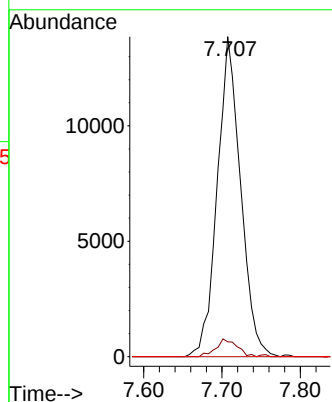
Tgt Ion:117 Resp: 28663

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.385 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022630.D

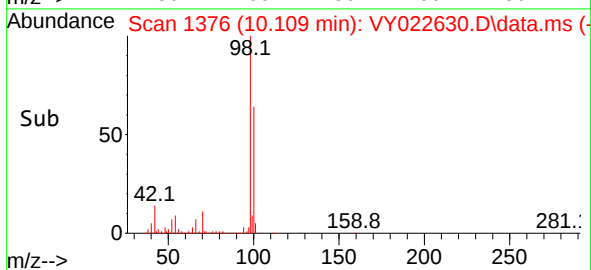
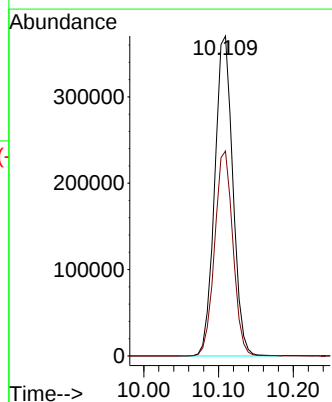
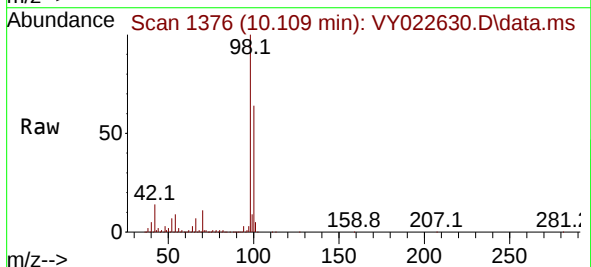
Acq: 09 Jun 2025 15:10

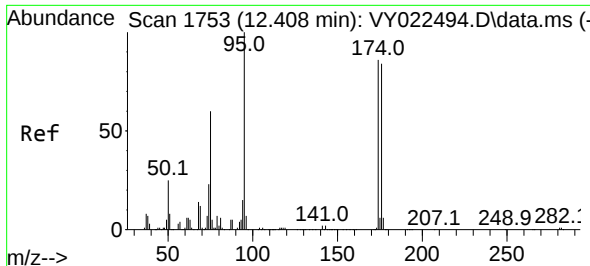
Tgt Ion: 98 Resp: 626336

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0

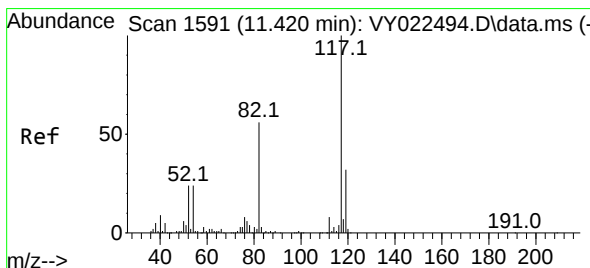
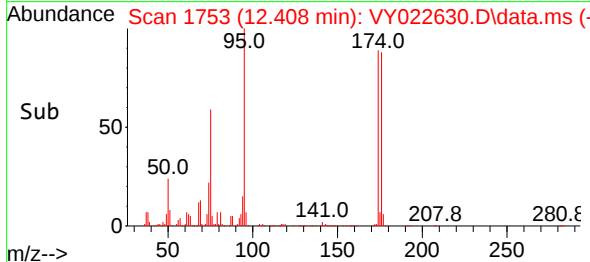
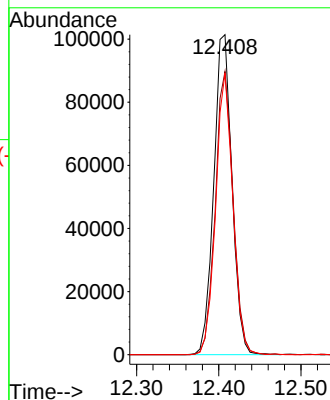
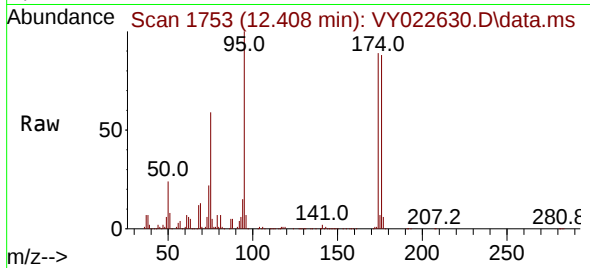




#62
4-Bromofluorobenzene
Concen: 42.119 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

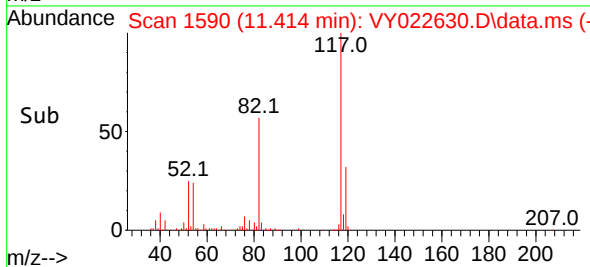
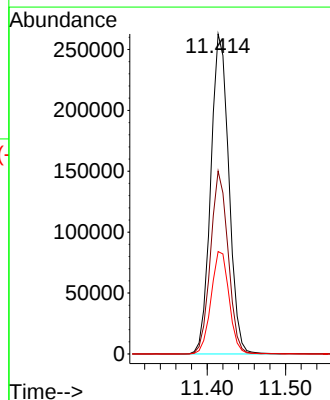
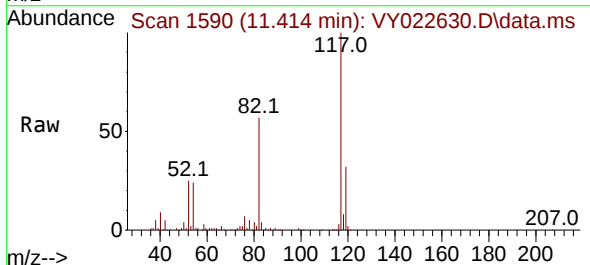
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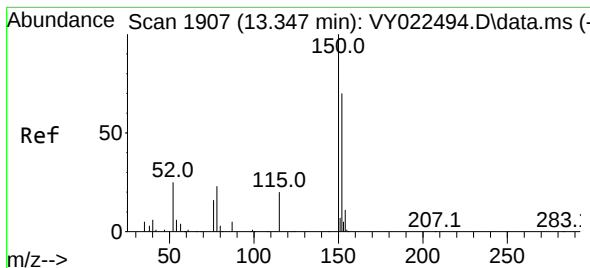
Tgt Ion: 95 Resp: 156001
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 83.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Tgt Ion: 117 Resp: 420424
Ion Ratio Lower Upper
117 100
82 57.2 44.6 66.8
119 32.0 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: VY022630.D

Acq: 09 Jun 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :

TP11-MHL-VOC

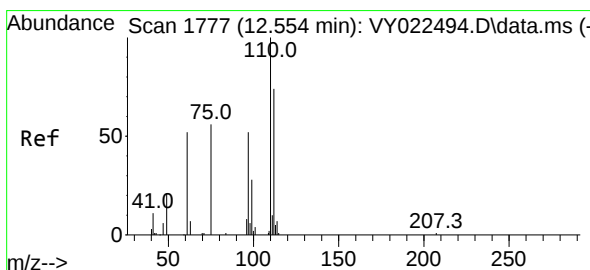
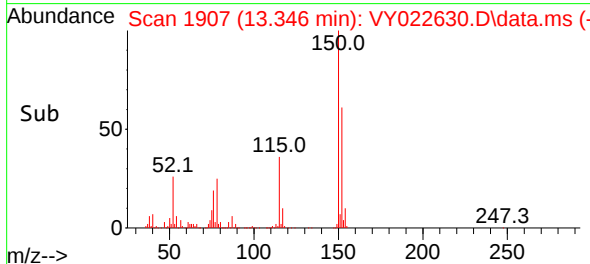
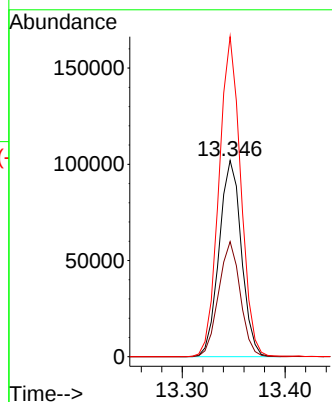
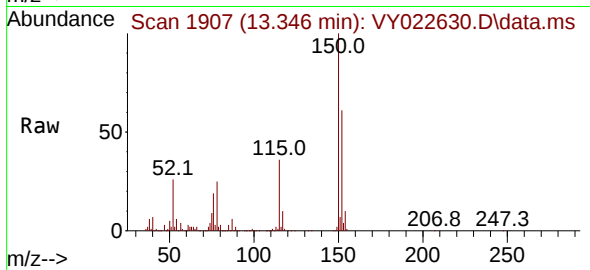
Tgt Ion:152 Resp: 153653

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

150 159.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.987 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022630.D

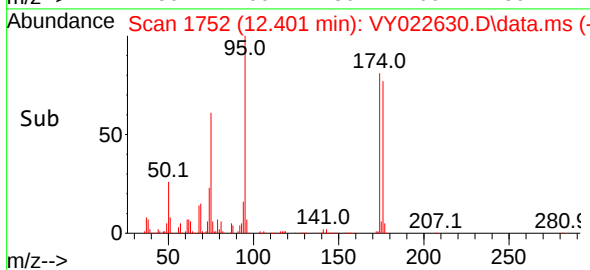
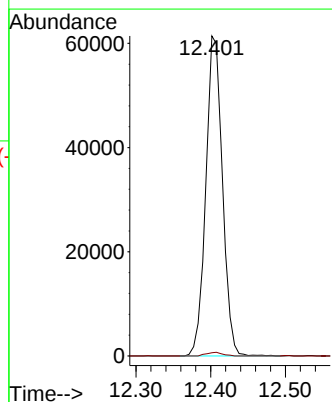
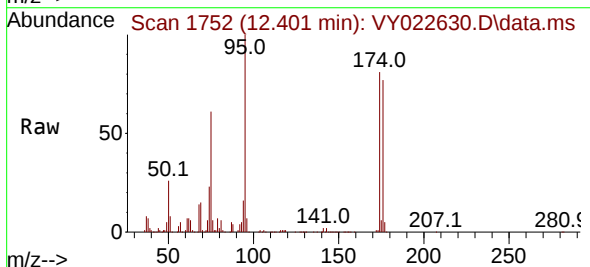
Acq: 09 Jun 2025 15:10

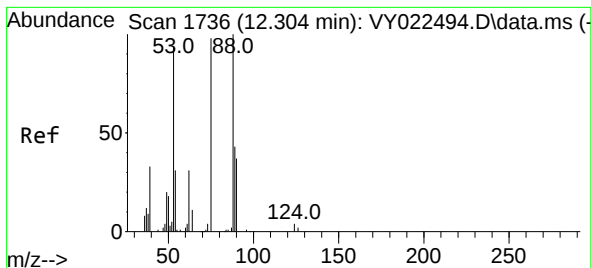
Tgt Ion: 75 Resp: 94901

Ion Ratio Lower Upper

75 100

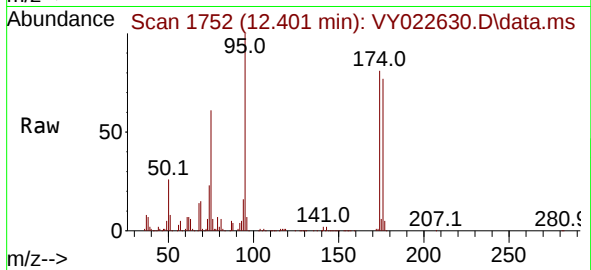
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 130.375 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022630.D
Acq: 09 Jun 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
TP11-MHL-VOC



Tgt Ion: 75 Resp: 94901
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#

