

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022676.D
 Acq On : 12 Jun 2025 16:08
 Operator : SY/MD
 Sample : Q2297-03
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Jun 13 05:42:45 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)

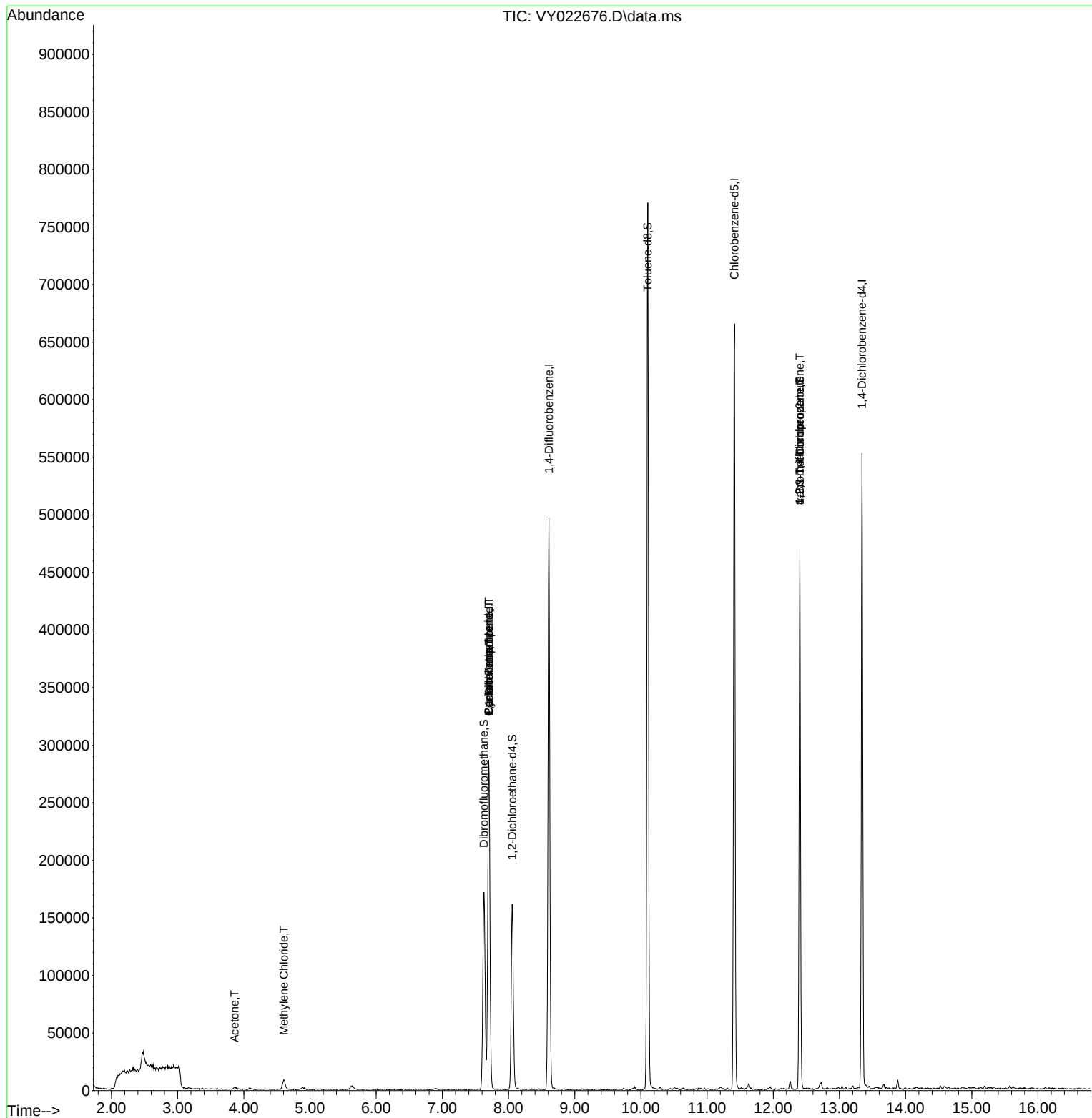
Internal Standards						
1) Pentafluorobenzene	7.701	168	211466	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	394017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	124501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	118845	50.249	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.500%	
35) Dibromofluoromethane	7.628	113	118516	50.394	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.780%	
50) Toluene-d8	10.103	98	474955	49.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.960%	
62) 4-Bromofluorobenzene	12.402	95	121394	42.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.740%	
Target Compounds						
					Qvalue	
16) Acetone	3.861	43	3111	6.477	ug/l #	85
20) Methylene Chloride	4.604	84	5557	2.037	ug/l	96
31) Cyclohexane	7.701	56	5991	1.318	ug/l #	31
36) 1,1-Dichloropropene	7.701	75	18888	4.948	ug/l #	50
38) Carbon Tetrachloride	7.701	117	22036	5.628	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	71671	50.319	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	71671	121.517	ug/l #	10

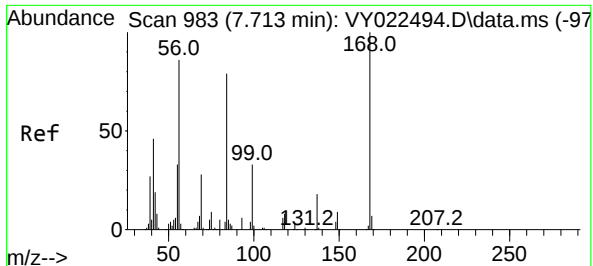
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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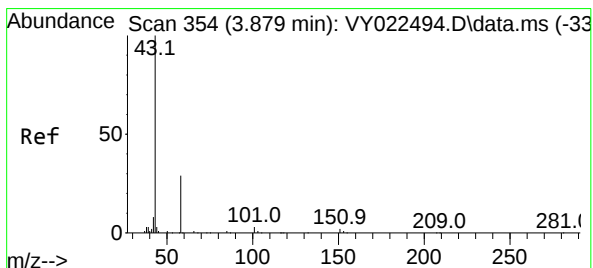
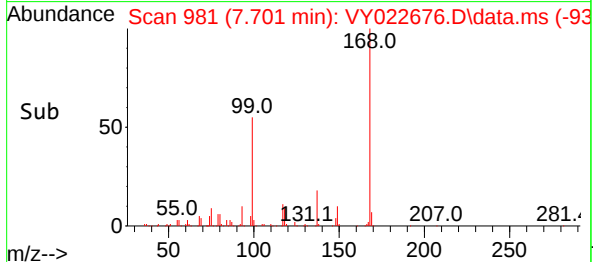
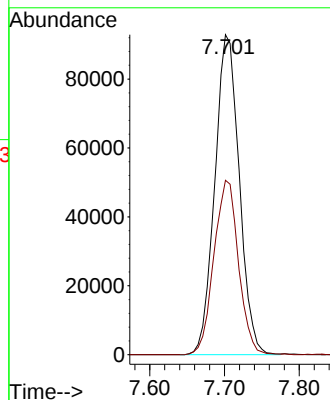
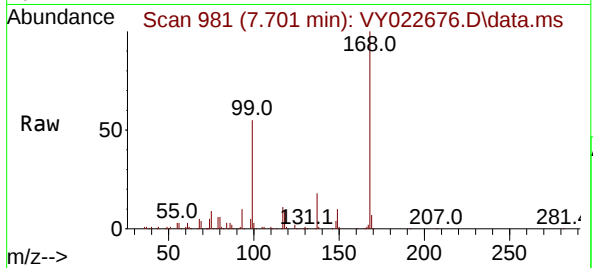




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

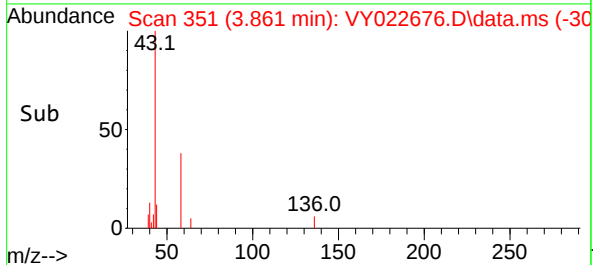
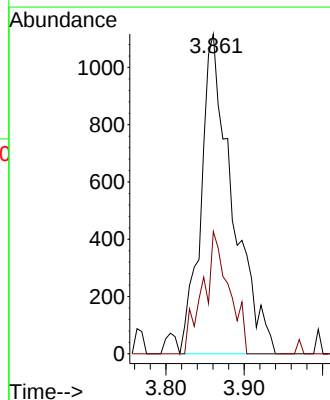
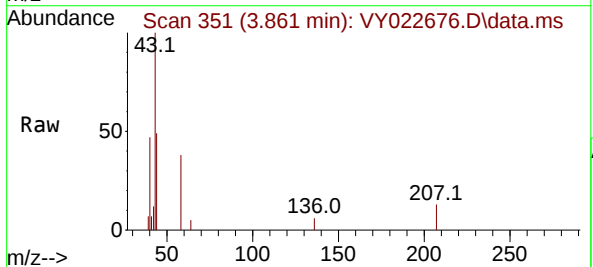
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

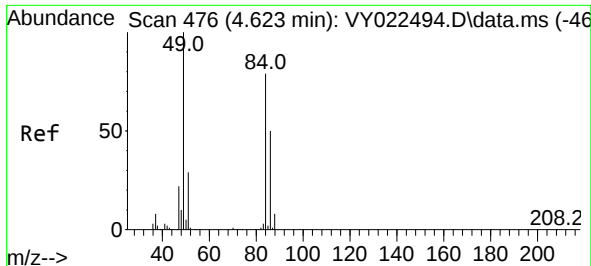
Tgt Ion:168 Resp: 211466
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#16
Acetone
Concen: 6.477 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Tgt Ion: 43 Resp: 3111
Ion Ratio Lower Upper
43 100
58 38.2 24.0 36.0#



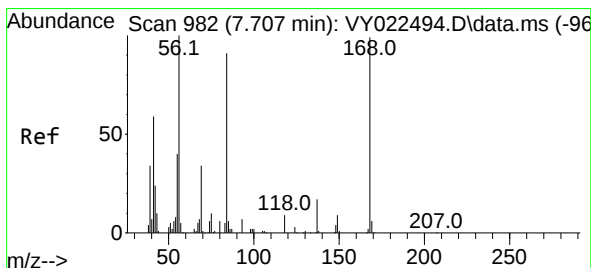
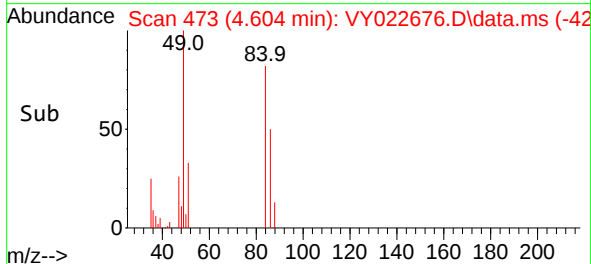
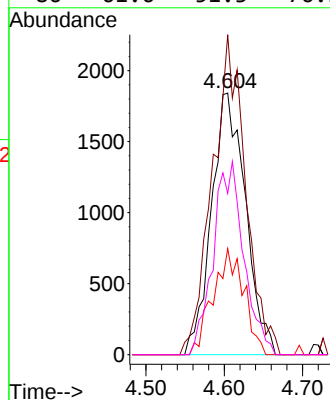
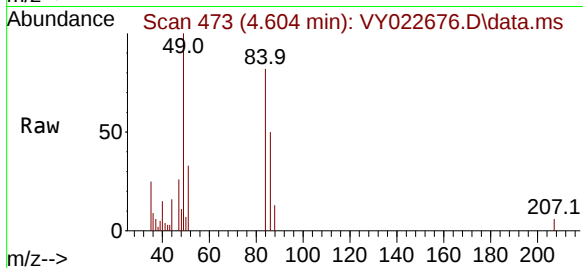


#20
Methylene Chloride
Concen: 2.037 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

Tgt Ion: 84 Resp: 5557

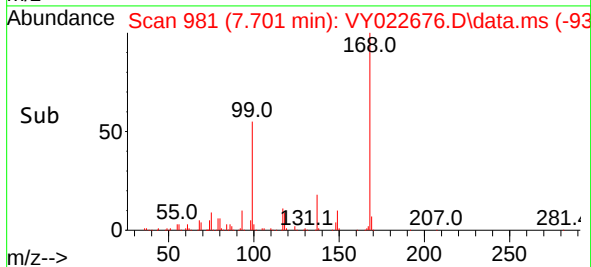
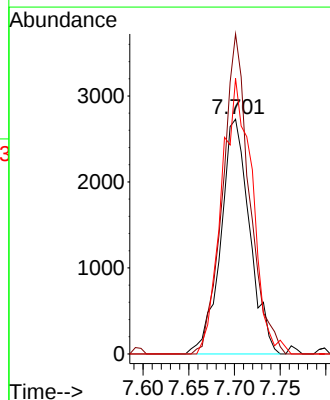
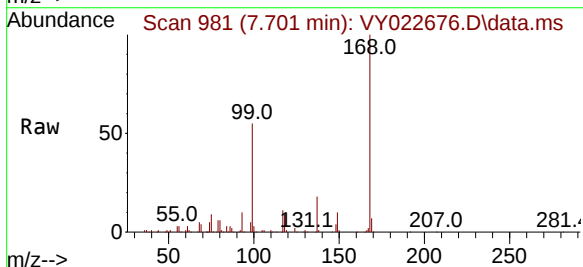
Ion	Ratio	Lower	Upper
84	100		
49	122.3	101.9	152.9
51	40.6	29.8	44.8
86	61.6	51.3	76.9

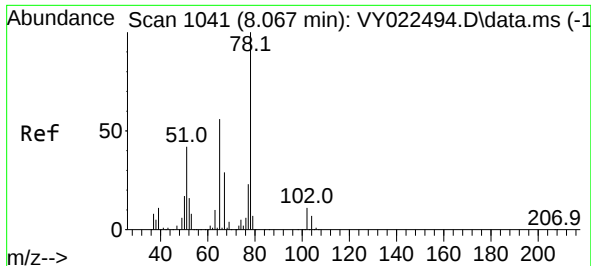


#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Tgt Ion: 56 Resp: 5991

Ion	Ratio	Lower	Upper
56	100		
69	136.3	27.0	40.6#
84	117.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.249 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022676.D

Acq: 12 Jun 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

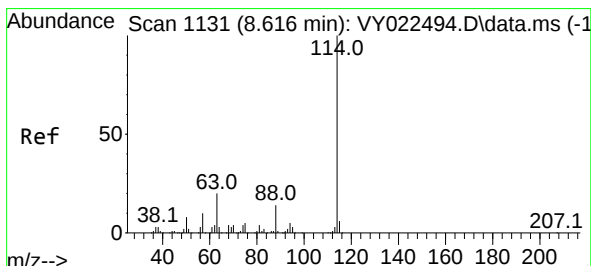
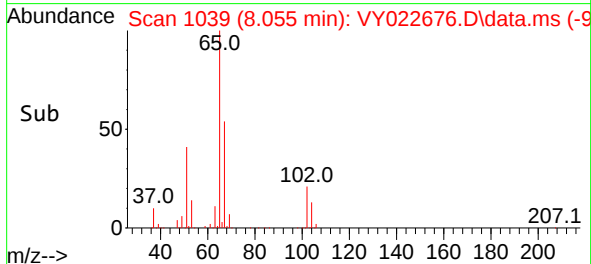
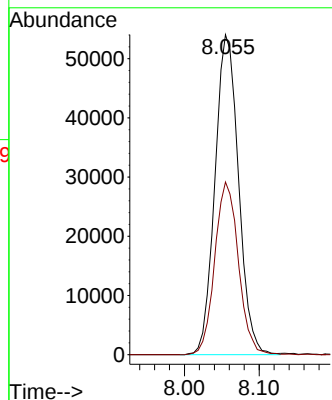
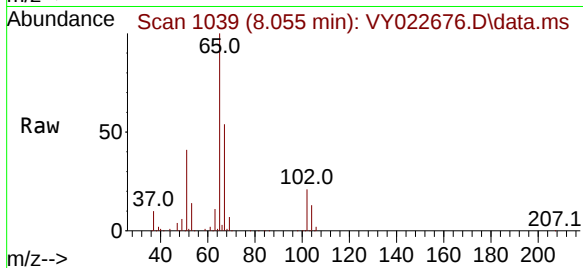
TP-3-VOC

Tgt Ion: 65 Resp: 118845

Ion Ratio Lower Upper

65 100

67 54.1 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: VY022676.D

Acq: 12 Jun 2025 16:08

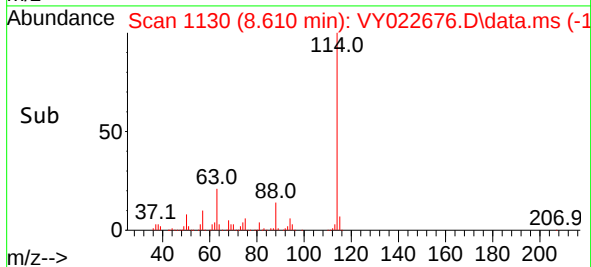
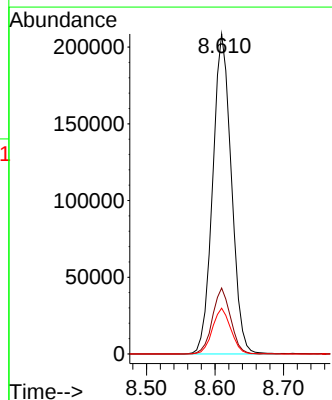
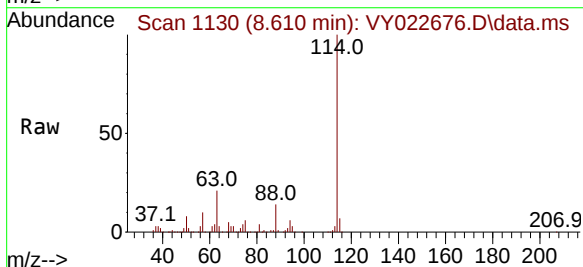
Tgt Ion: 114 Resp: 394017

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.3 0.0 27.8

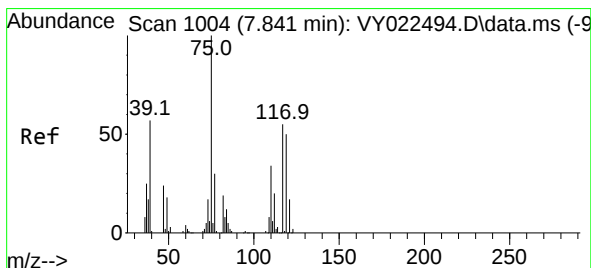
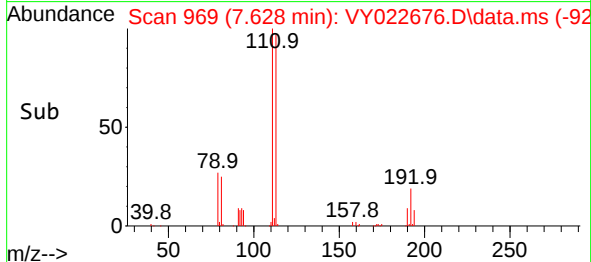
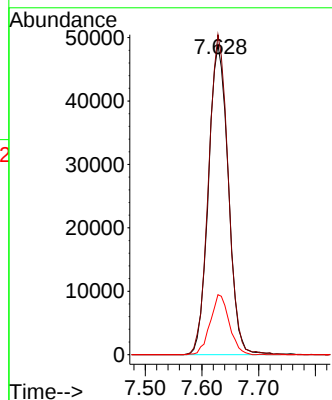
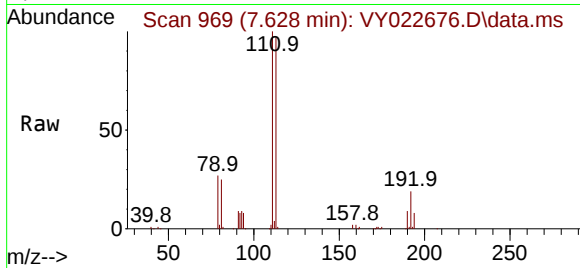




#35
Dibromofluoromethane
Concen: 50.394 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

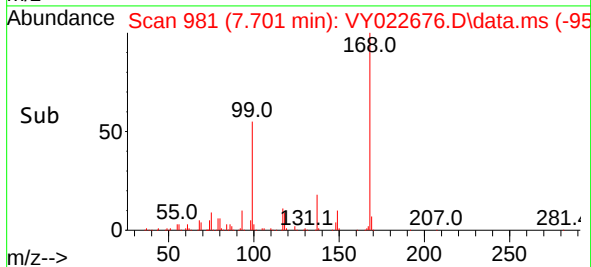
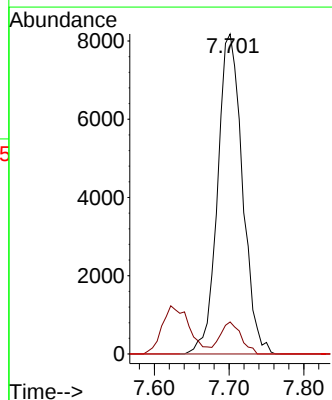
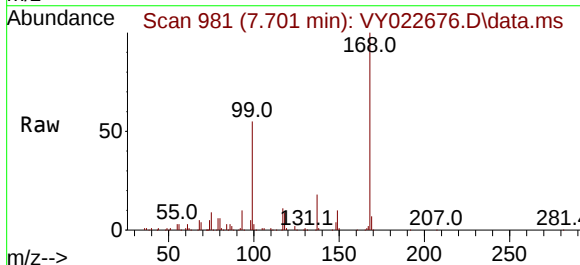
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

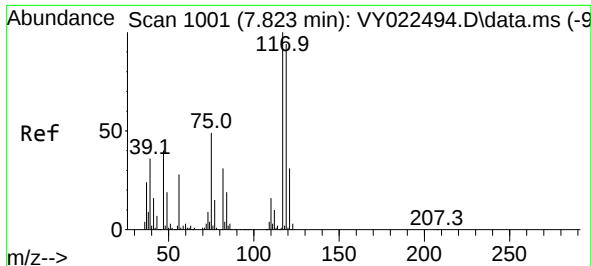
Tgt Ion:113 Resp: 118516
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.948 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Tgt Ion: 75 Resp: 18888
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.0 24.8 37.2#

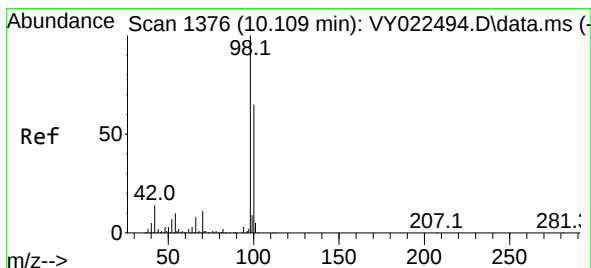
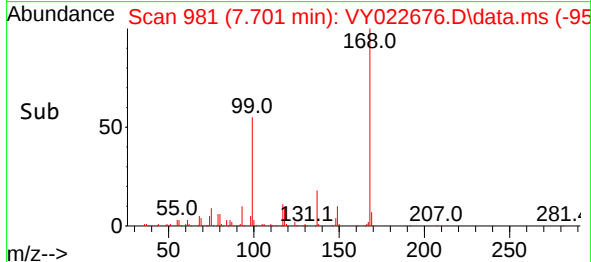
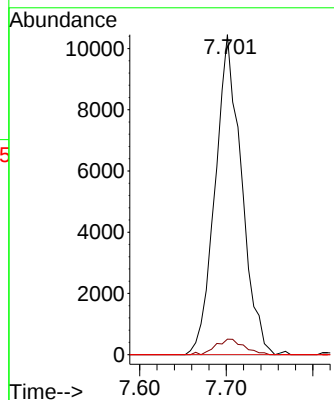
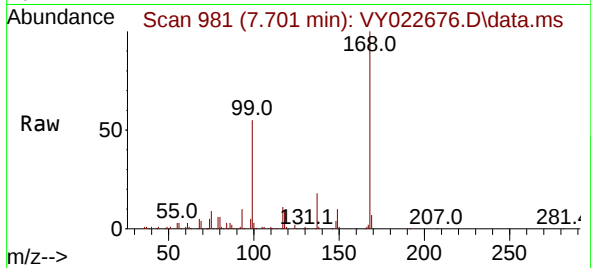




#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

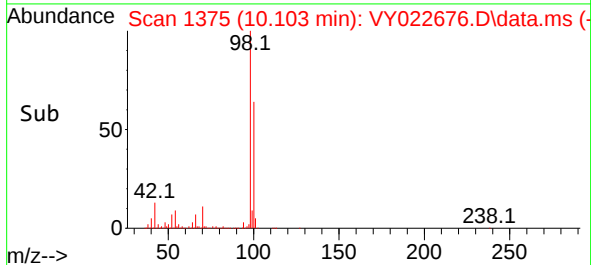
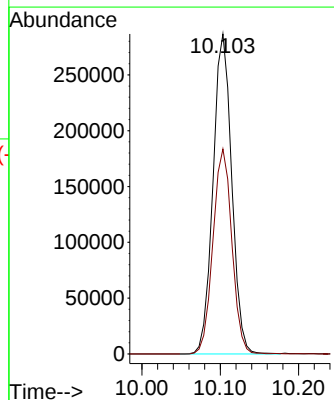
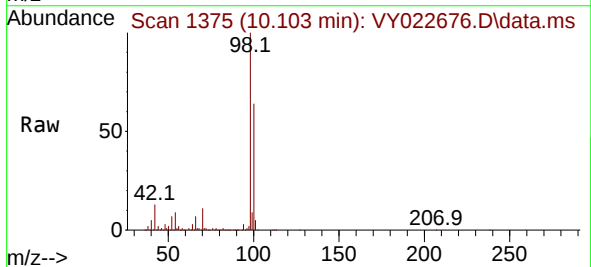
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

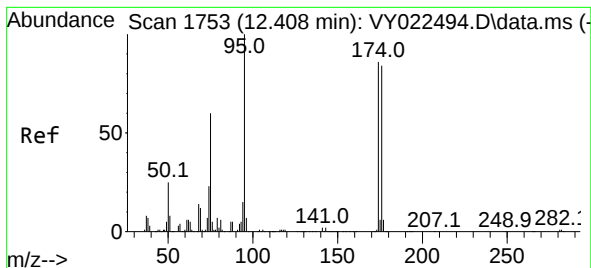
Tgt Ion:117 Resp: 22036
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.981 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Tgt Ion: 98 Resp: 474955
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

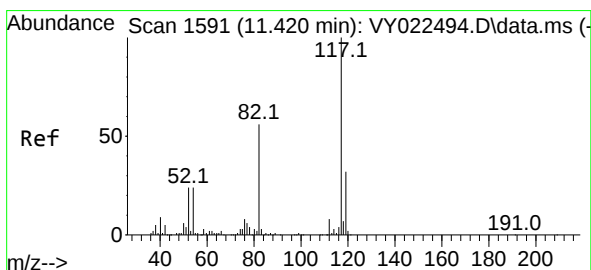
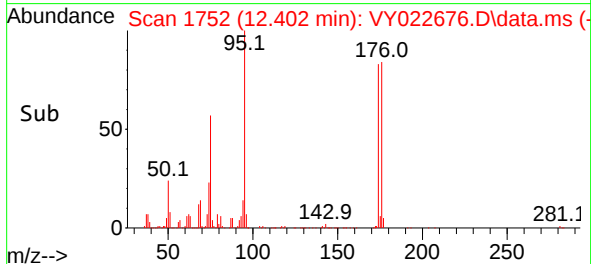
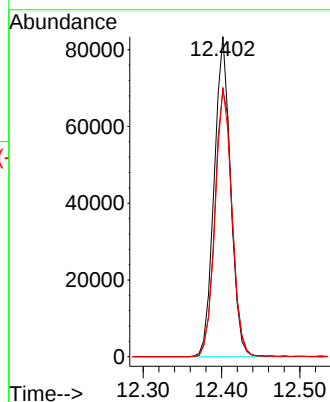
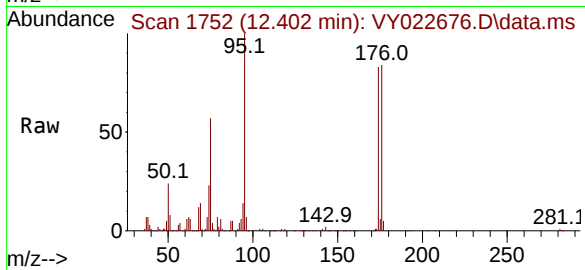




#62
4-Bromofluorobenzene
Concen: 42.875 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

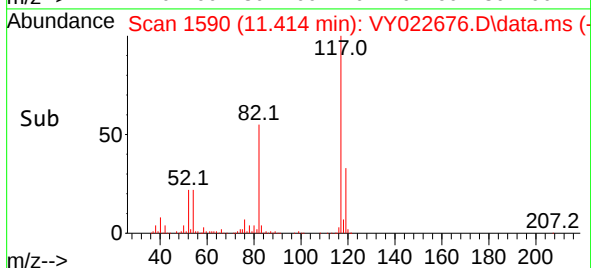
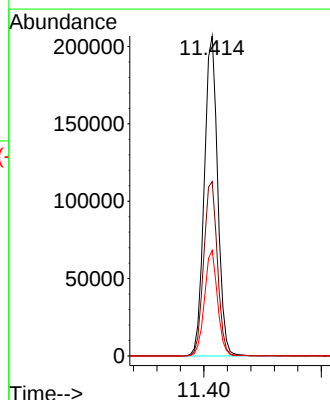
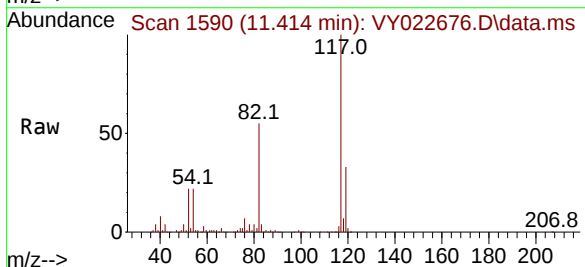
Instrument :
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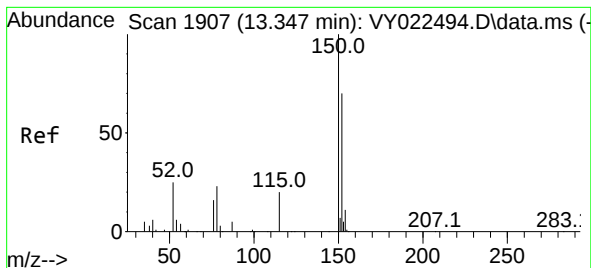
Tgt Ion: 95 Resp: 121394
Ion Ratio Lower Upper
95 100
174 88.1 0.0 170.0
176 85.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022676.D
Acq: 12 Jun 2025 16:08

Tgt Ion: 117 Resp: 327098
Ion Ratio Lower Upper
117 100
82 54.5 44.6 66.8
119 33.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022676.D

Acq: 12 Jun 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

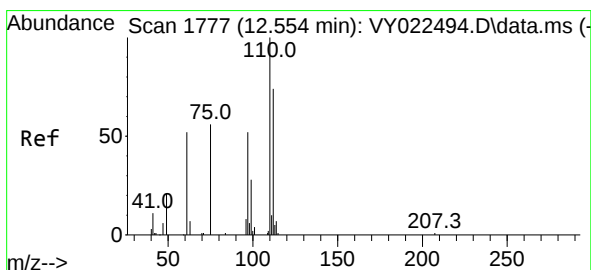
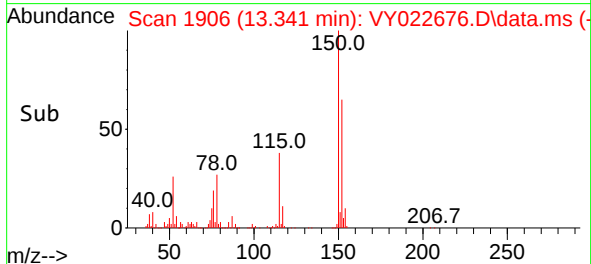
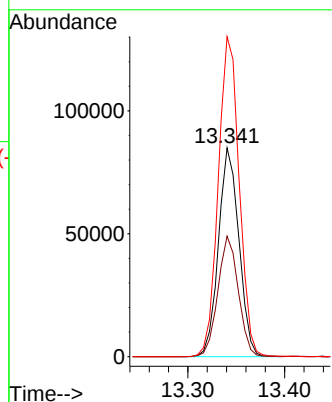
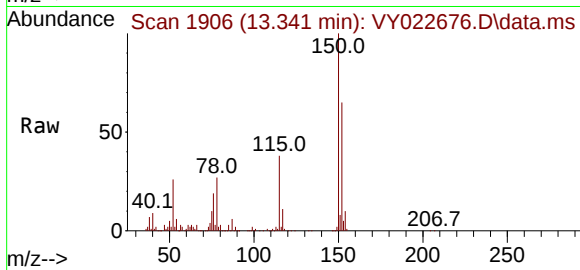
Tgt Ion:152 Resp: 124501

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 156.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 50.319 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022676.D

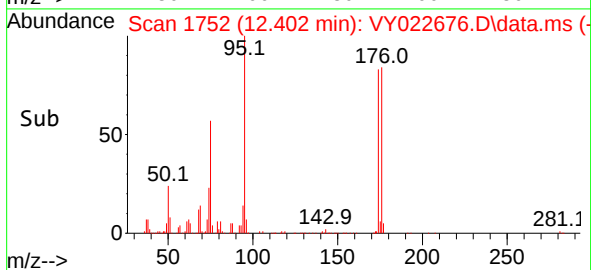
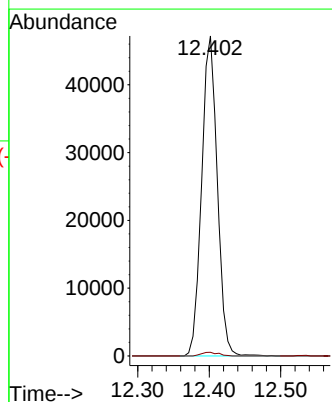
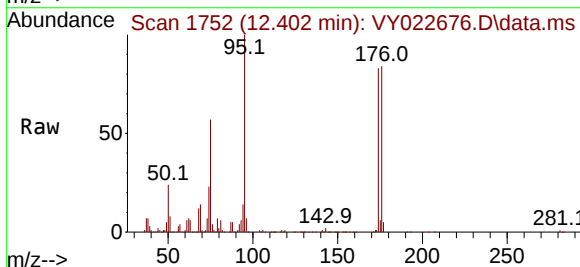
Acq: 12 Jun 2025 16:08

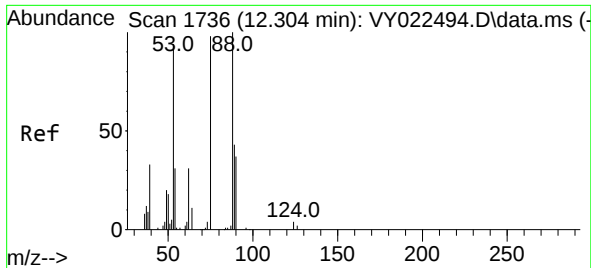
Tgt Ion: 75 Resp: 71671

Ion Ratio Lower Upper

75 100

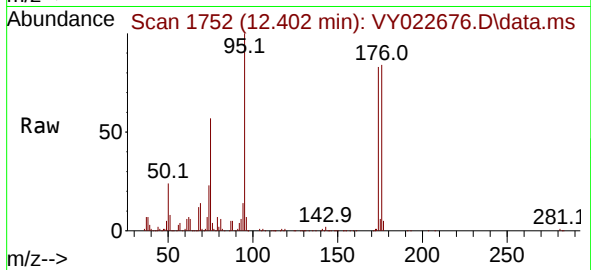
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.517 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022676.D
 Acq: 12 Jun 2025 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC



Tgt Ion: 75 Resp: 71671
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

