

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022622.D
 Acq On : 09 Jun 2025 12:02
 Operator : SY/MD
 Sample : Q2240-07
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Jun 10 01:27:22 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)

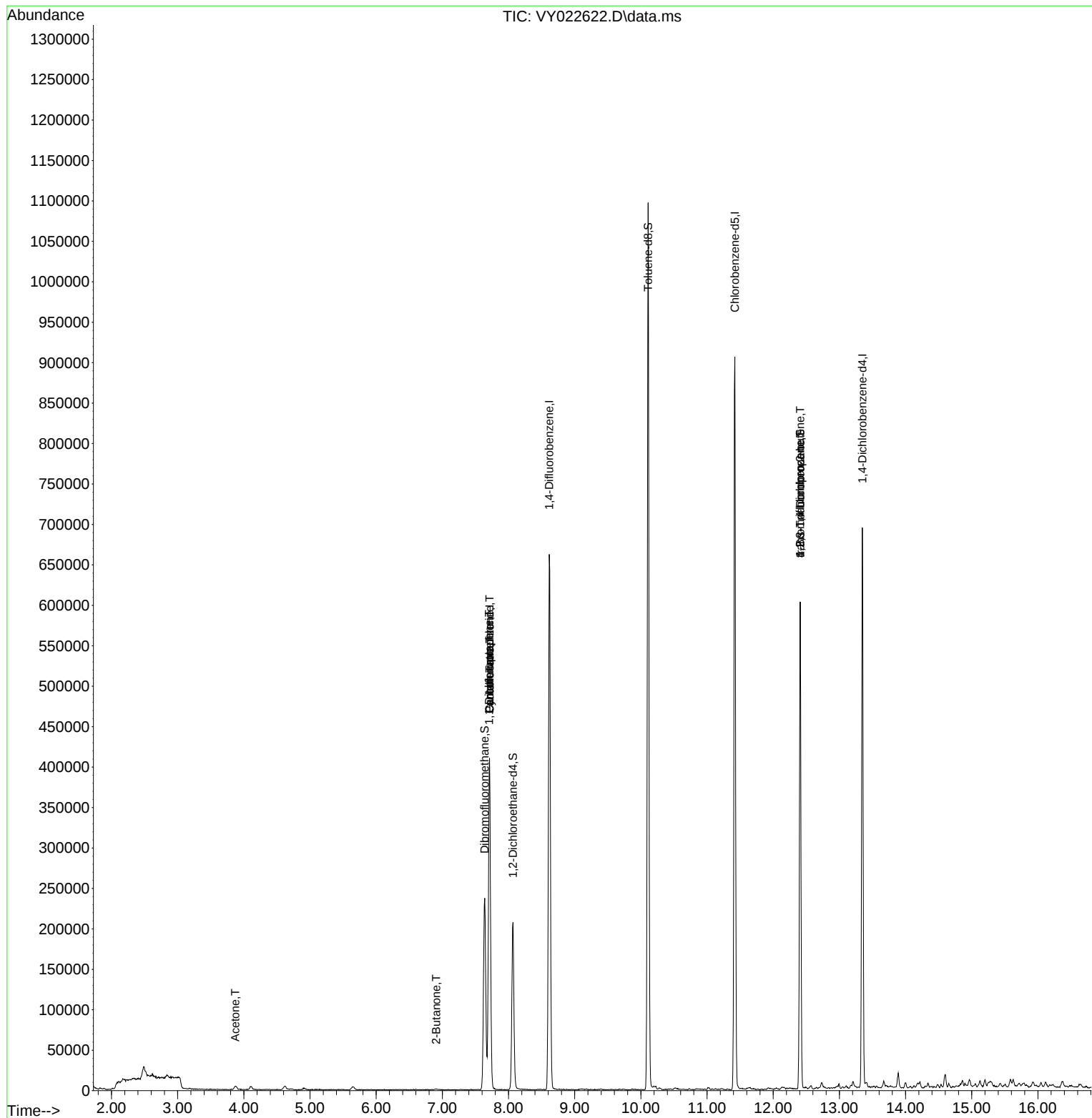
Internal Standards						
1) Pentafluorobenzene	7.713	168	299798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	439182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	153610	45.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.620%
35) Dibromofluoromethane	7.640	113	162973	49.523	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.040%
50) Toluene-d8	10.109	98	671309	50.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.980%
62) 4-Bromofluorobenzene	12.408	95	161567	40.781	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.560%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	7742	11.369	ug/l #	85
25) 2-Butanone	6.909	43	1252	1.275	ug/l #	70
31) Cyclohexane	7.713	56	7866	1.221	ug/l #	41
36) 1,1-Dichloropropene	7.707	75	27289	5.109	ug/l #	51
38) Carbon Tetrachloride	7.713	117	31014	5.660	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	95247	53.356	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	95247	128.851	ug/l #	10

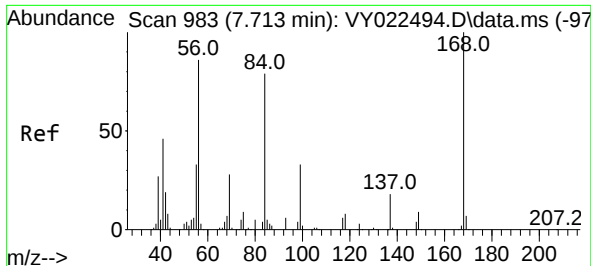
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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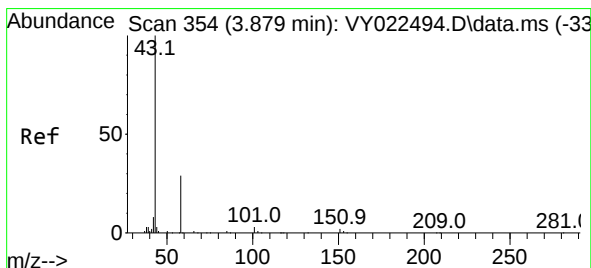
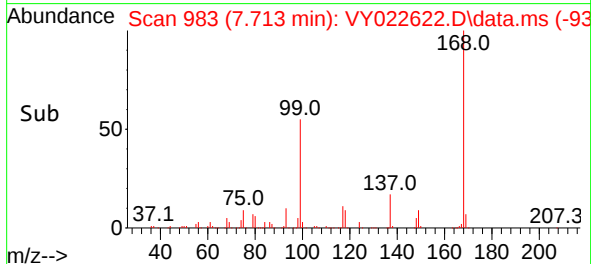
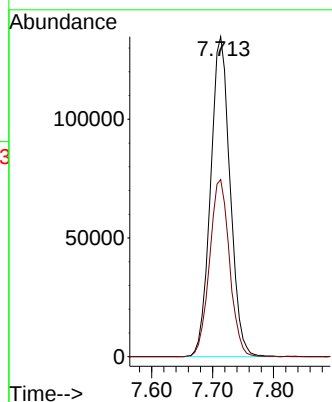
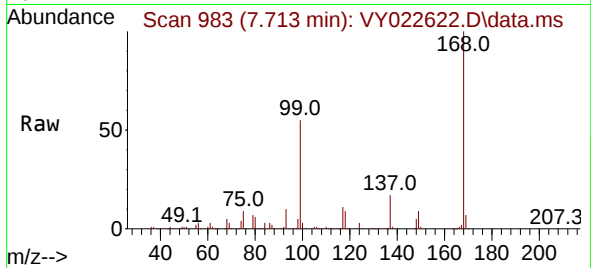




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

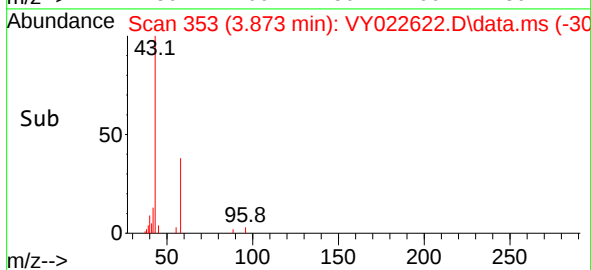
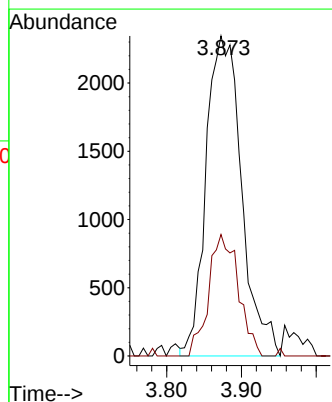
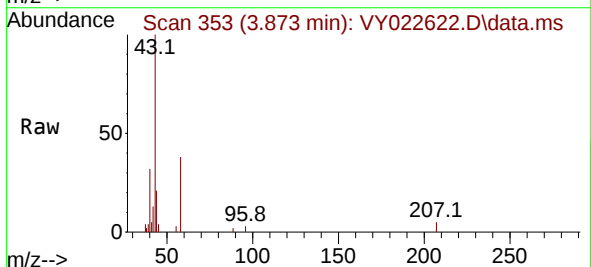
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

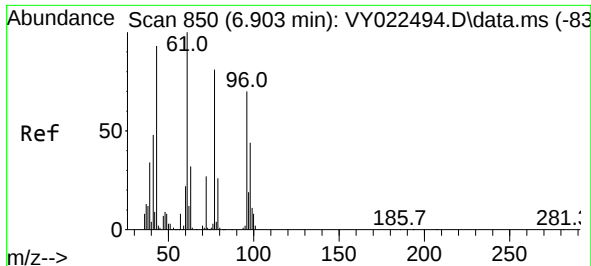
Tgt Ion:168 Resp: 299798
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#16
Acetone
Concen: 11.369 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

Tgt Ion: 43 Resp: 7742
Ion Ratio Lower Upper
43 100
58 38.0 24.0 36.0#

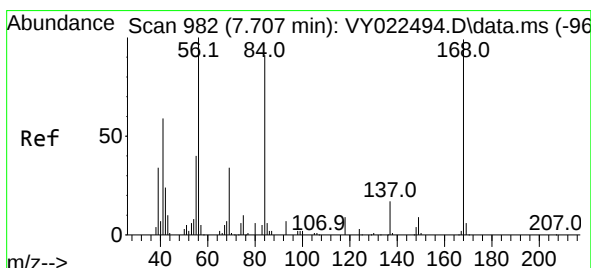
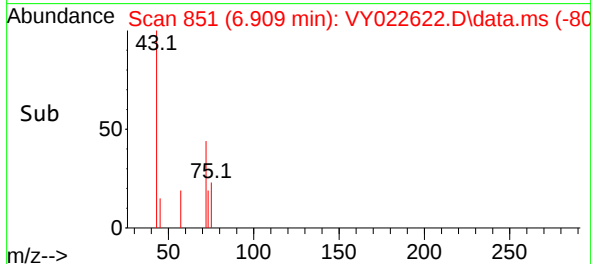
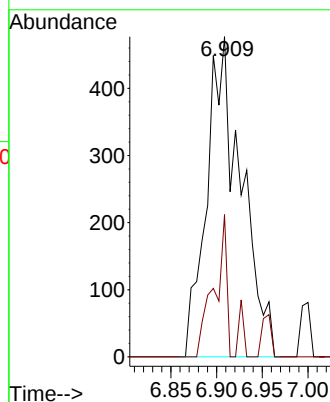
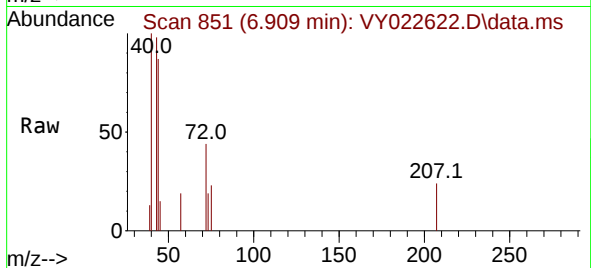




#25
2-Butanone
Concen: 1.275 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

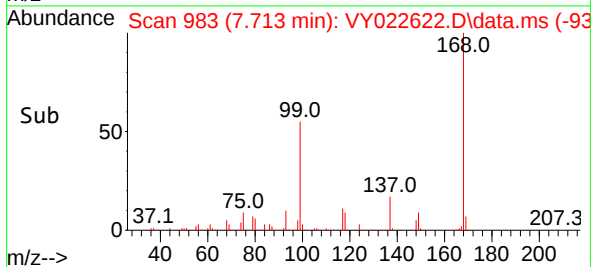
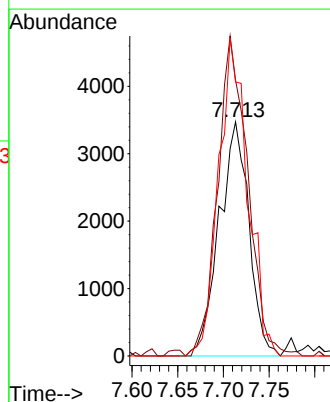
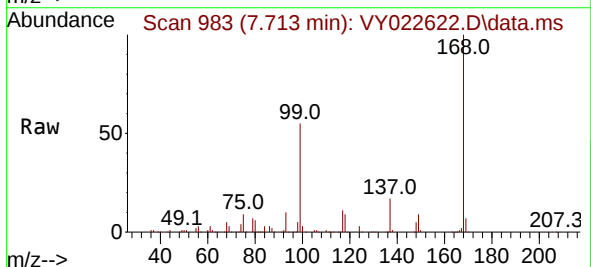
Instrument :
MSVOA_Y
ClientSampleId :
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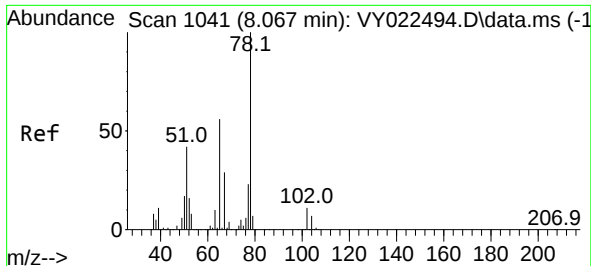
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
72 44.4 22.9 34.3#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

Tgt Ion: 56 Resp: 7866
Ion Ratio Lower Upper
56 100
69 115.3 27.0 40.6#
84 117.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 45.812 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022622.D

Acq: 09 Jun 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

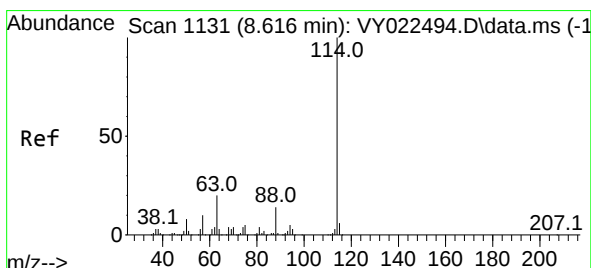
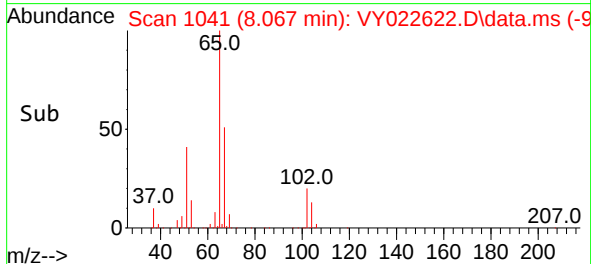
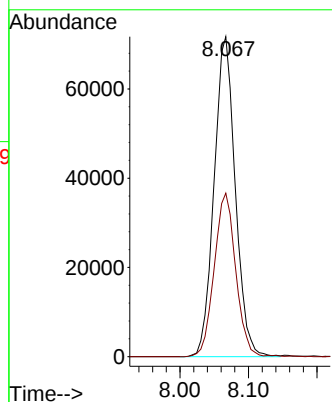
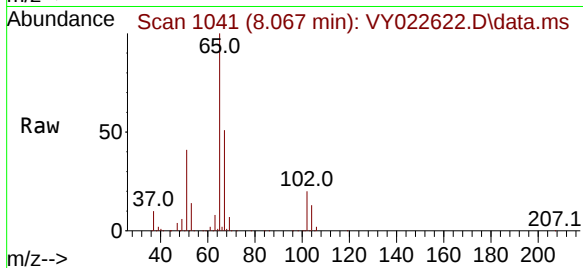
TP-2-VOC

Tgt Ion: 65 Resp: 153610

Ion Ratio Lower Upper

65 100

67 51.9 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: VY022622.D

Acq: 09 Jun 2025 12:02

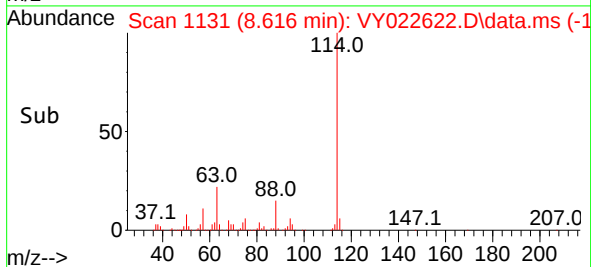
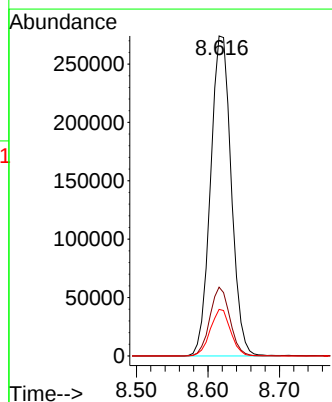
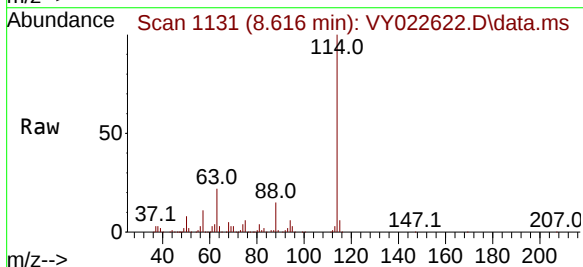
Tgt Ion: 114 Resp: 551339

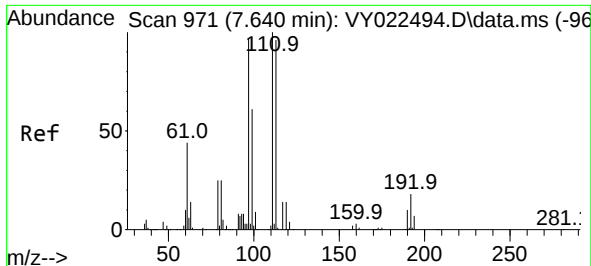
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 14.6 0.0 27.8

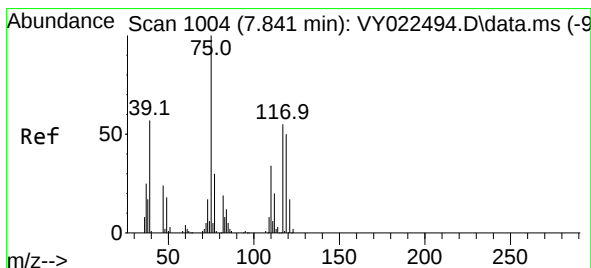
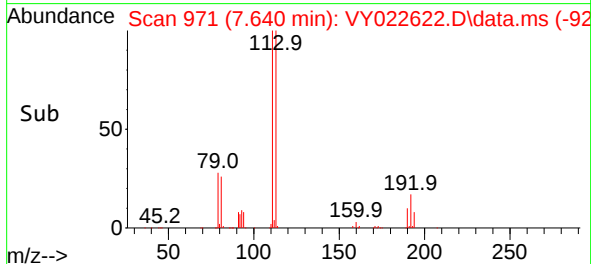
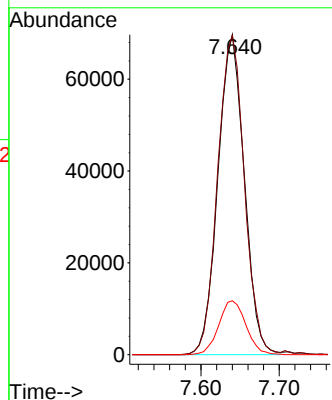
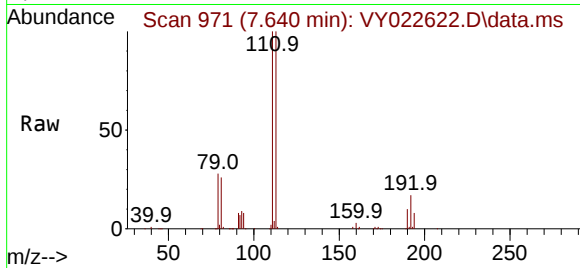




#35
Dibromofluoromethane
Concen: 49.523 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

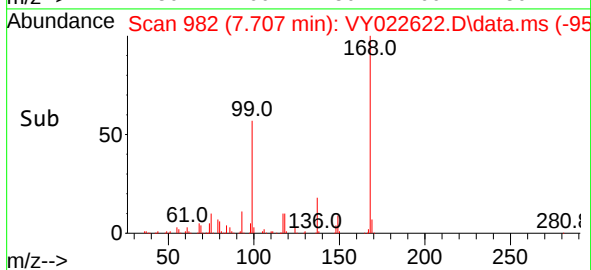
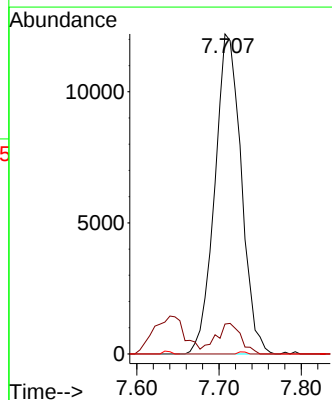
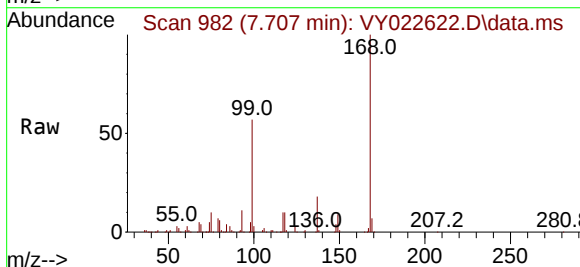
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

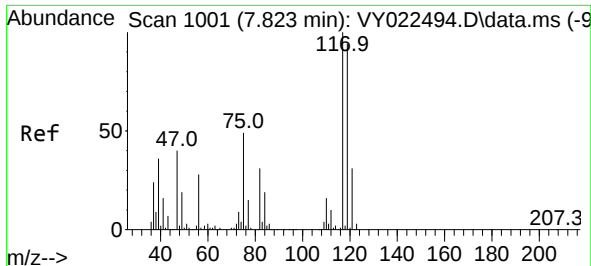
Tgt Ion:113 Resp: 162973
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 17.4 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.109 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

Tgt Ion: 75 Resp: 27289
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.2 24.8 37.2#

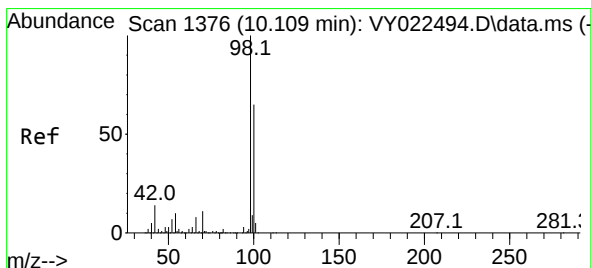
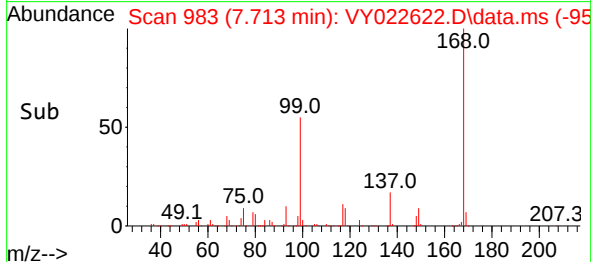
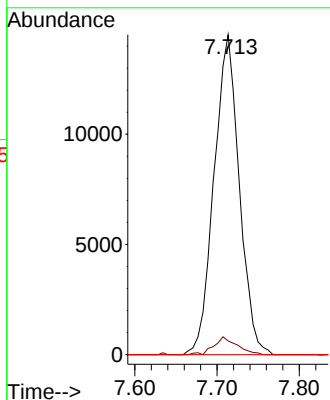
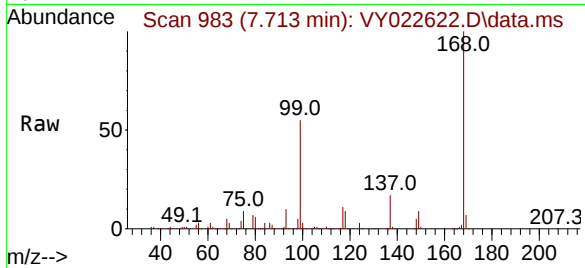




#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

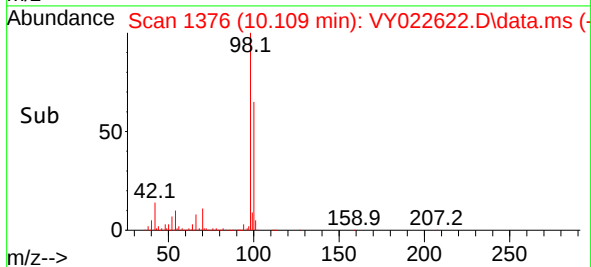
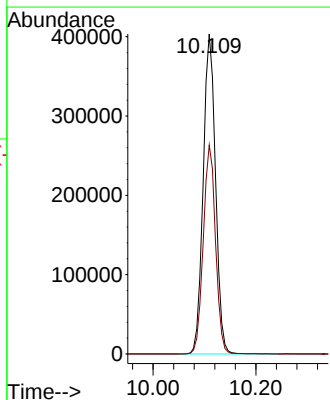
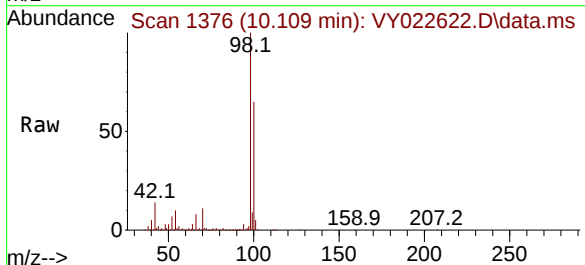
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

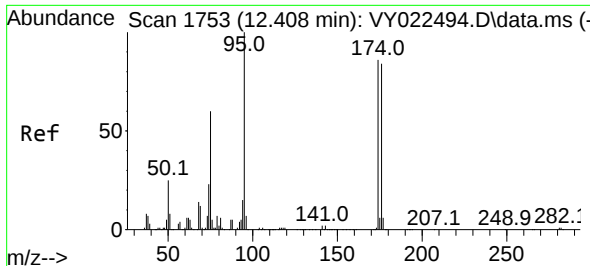
Tgt Ion:117 Resp: 31014
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.486 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

Tgt Ion: 98 Resp: 671309
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

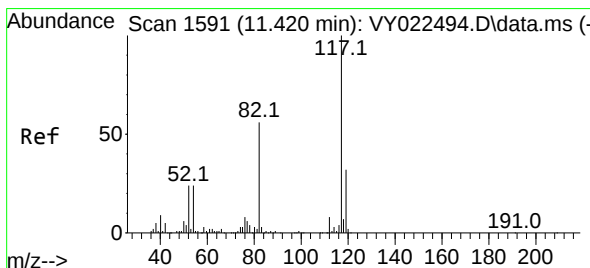
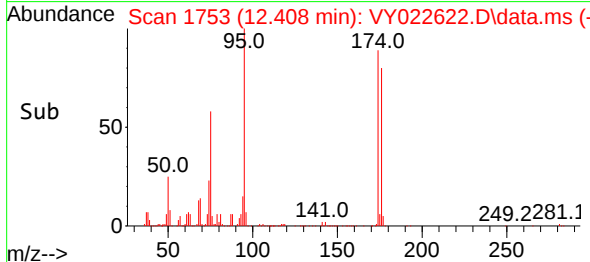
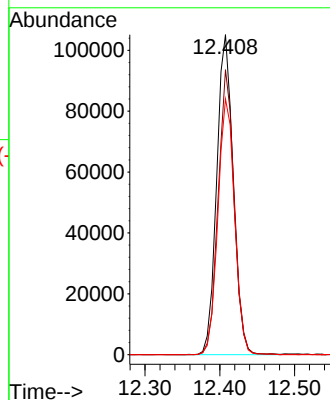
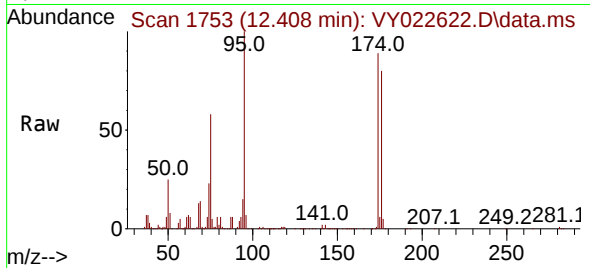




#62
4-Bromofluorobenzene
Concen: 40.781 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

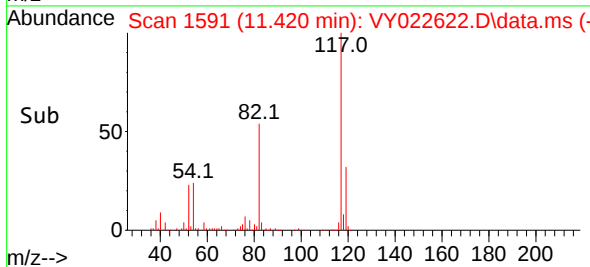
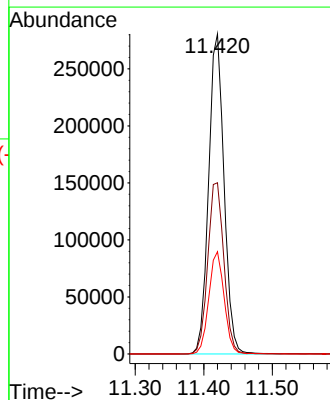
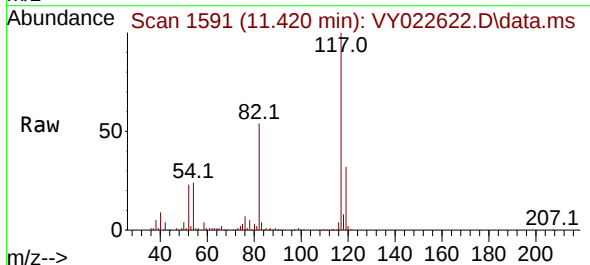
Instrument :
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ClientSampleId :
TP-2-VOC

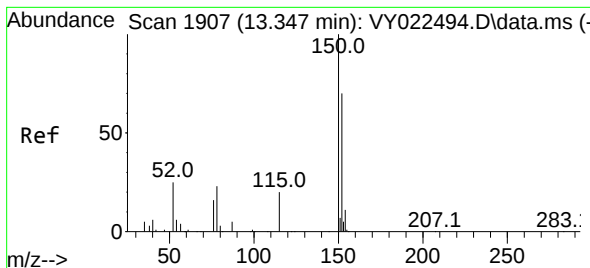
Tgt Ion: 95 Resp: 161567
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.0
176 80.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022622.D
Acq: 09 Jun 2025 12:02

Tgt Ion: 117 Resp: 439182
Ion Ratio Lower Upper
117 100
82 53.5 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: VY022622.D

Acq: 09 Jun 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

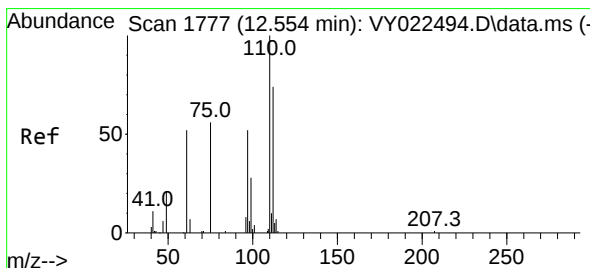
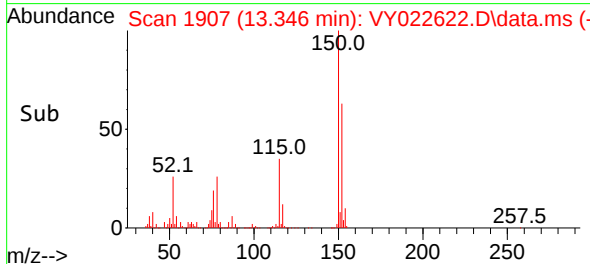
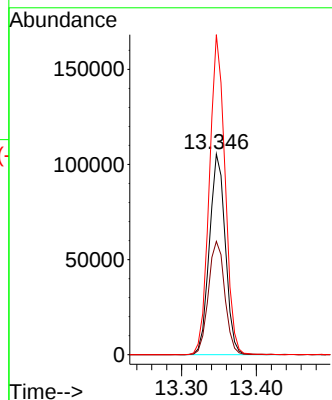
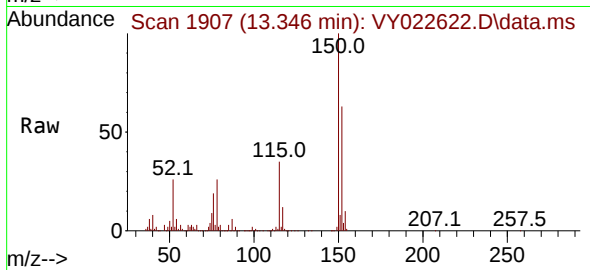
Tgt Ion:152 Resp: 156038

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 157.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.356 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022622.D

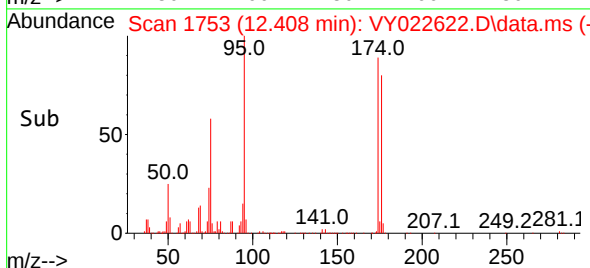
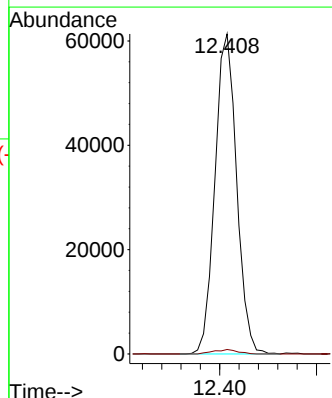
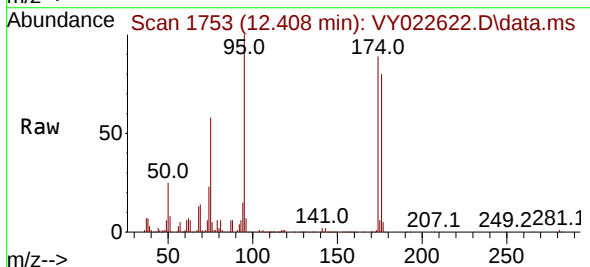
Acq: 09 Jun 2025 12:02

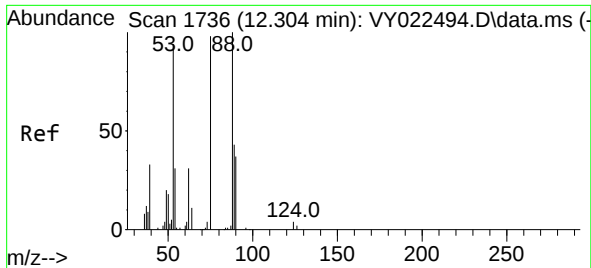
Tgt Ion: 75 Resp: 95247

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.851 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022622.D
 Acq: 09 Jun 2025 12:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Tgt Ion: 75 Resp: 95247
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

