

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022576.D
 Acq On : 05 Jun 2025 15:55
 Operator : SY/MD
 Sample : Q2207-02
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01

Quant Time: Jun 06 01:26:20 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)

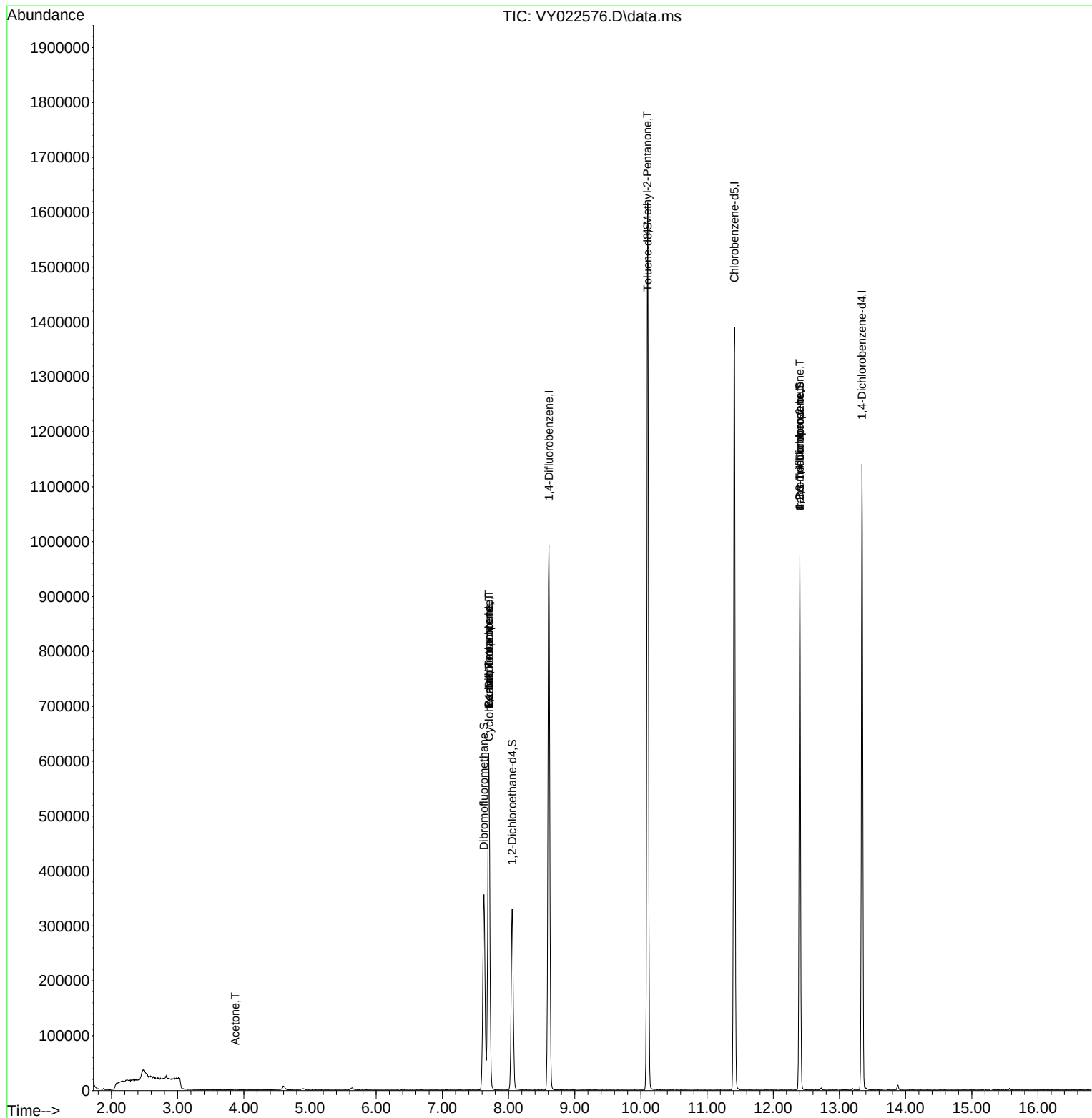
Internal Standards						
1) Pentafluorobenzene	7.701	168	437781	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	805645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	666580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	243722	49.776	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.560%
35) Dibromofluoromethane	7.628	113	242514	50.432	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.860%
50) Toluene-d8	10.103	98	997585	51.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.401	95	251175	43.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.780%
Target Compounds						Qvalue
16) Acetone	3.872	43	1483	1.491	ug/l #	80
31) Cyclohexane	7.707	56	12362	1.314	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	39289	5.034	ug/l #	50
38) Carbon Tetrachloride	7.701	117	46421	5.798	ug/l #	17
51) 4-Methyl-2-Pentanone	10.097	43	5189	1.385	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	150225	52.300	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	150225	126.301	ug/l #	10

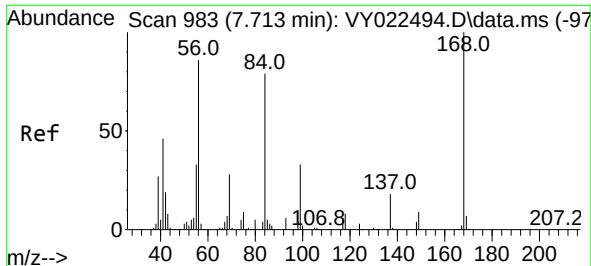
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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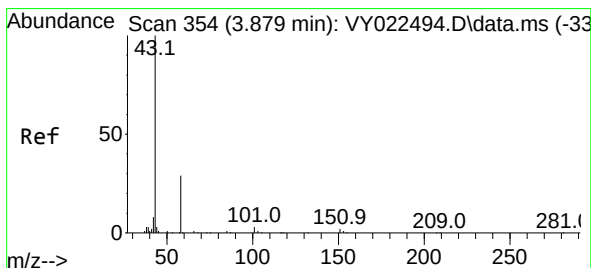
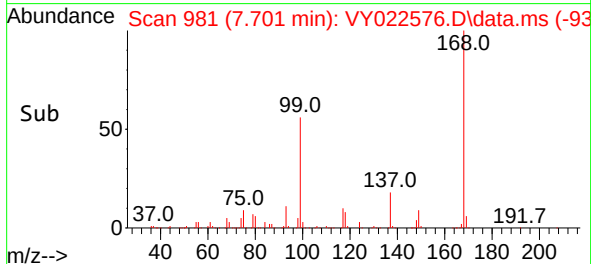
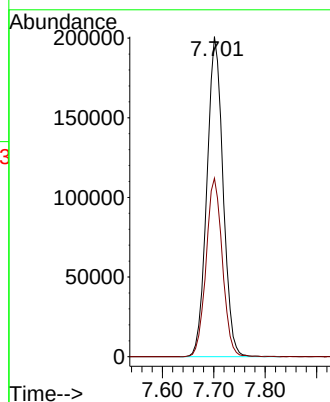
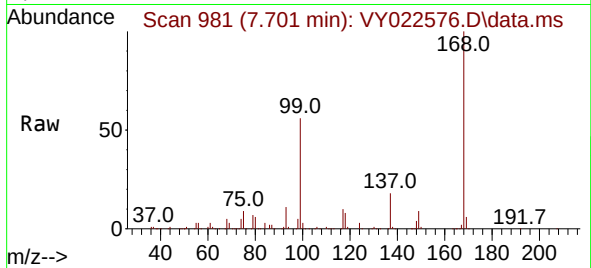




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

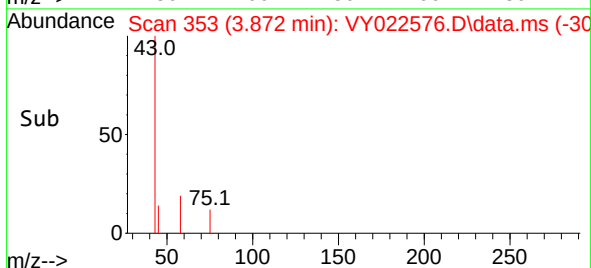
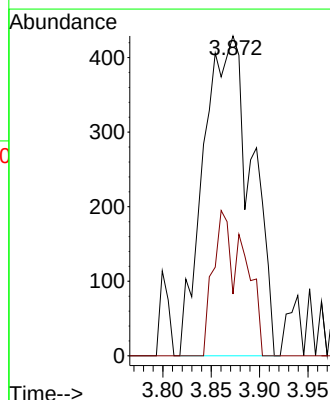
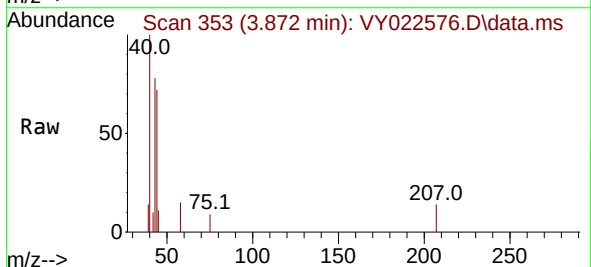
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-01

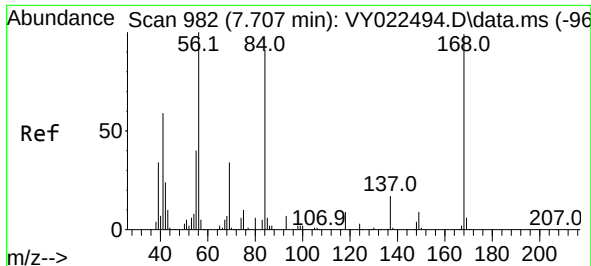
Tgt Ion:168 Resp: 437781
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#16
Acetone
Concen: 1.491 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
58 19.3 24.0 36.0#

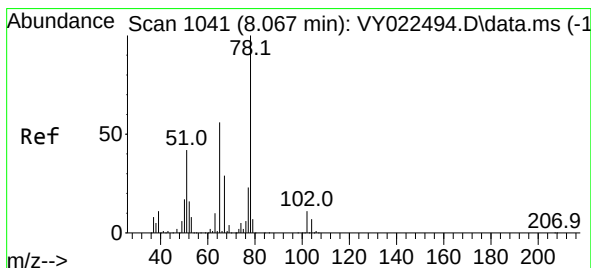
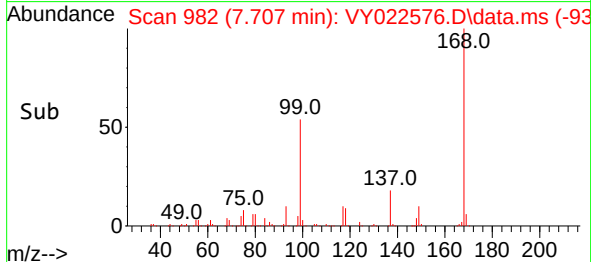
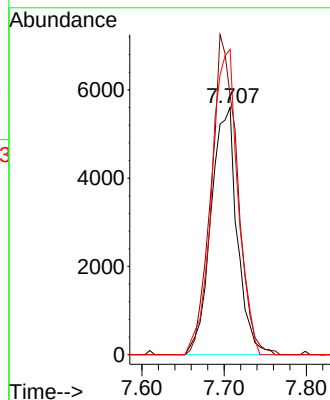
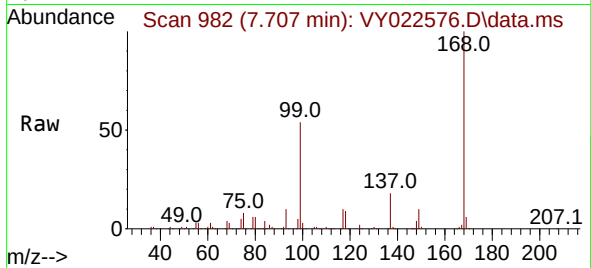




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

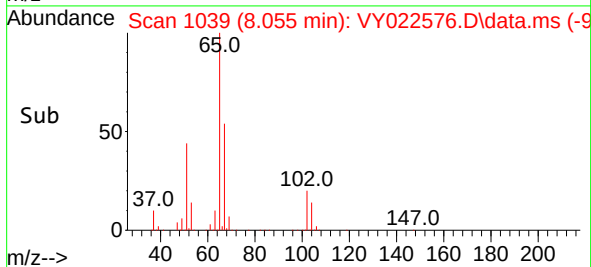
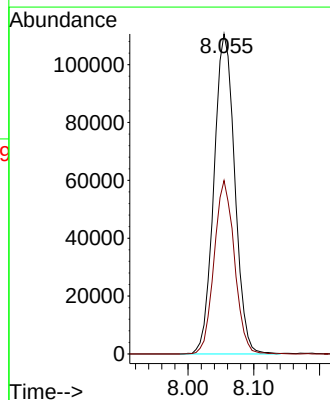
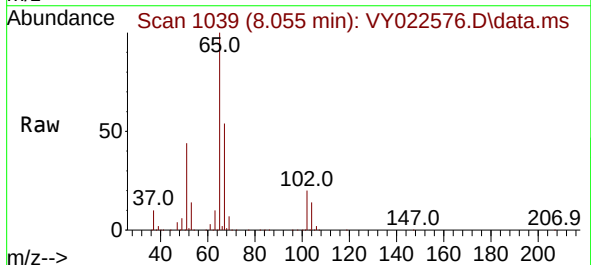
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-01

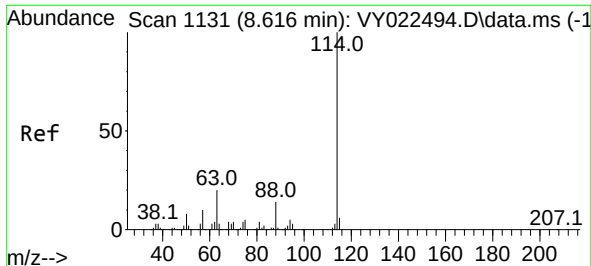
Tgt Ion: 56 Resp: 12362
Ion Ratio Lower Upper
56 100
69 104.8 27.0 40.6#
84 123.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.776 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion: 65 Resp: 243722
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-01

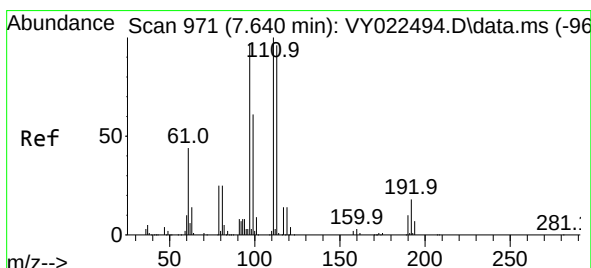
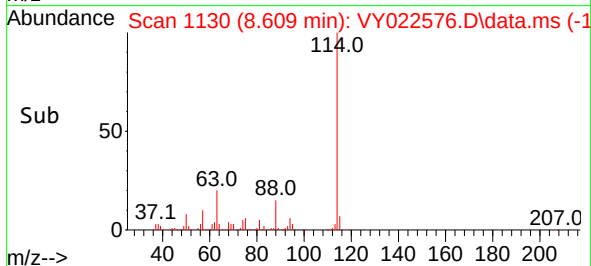
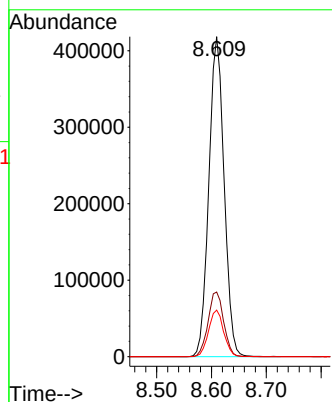
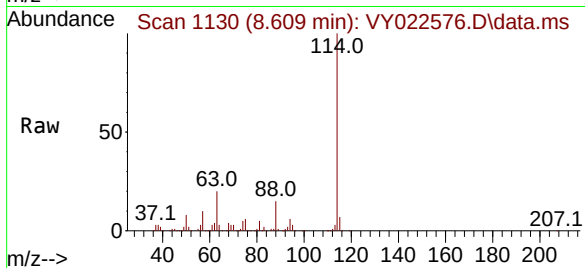
Tgt Ion:114 Resp: 805645

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.432 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

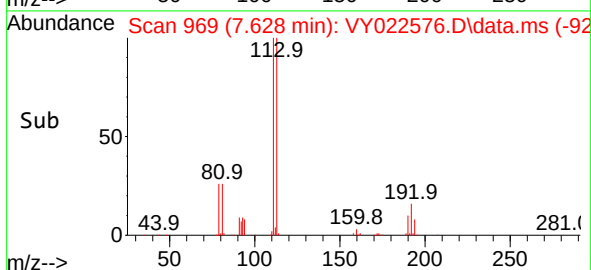
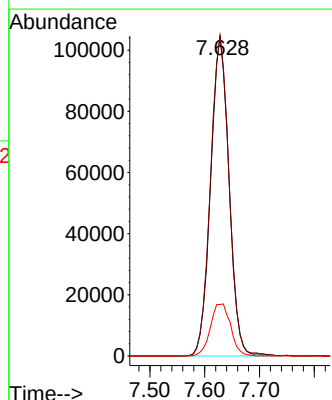
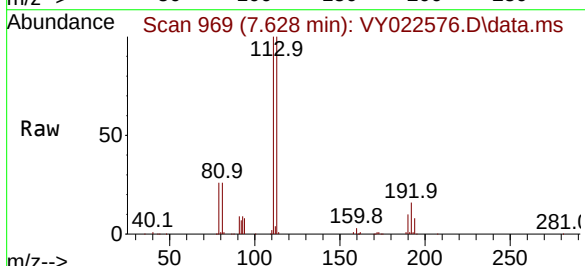
Tgt Ion:113 Resp: 242514

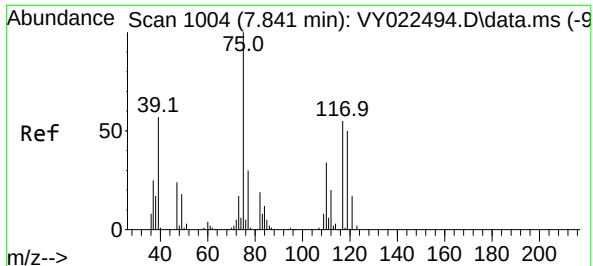
Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

192 18.0 14.2 21.2

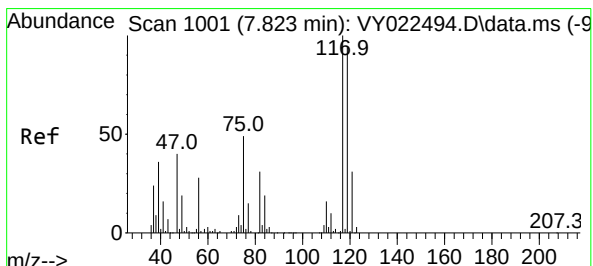
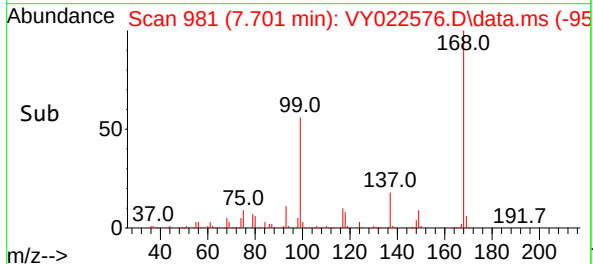
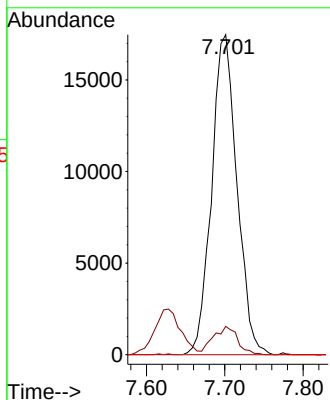
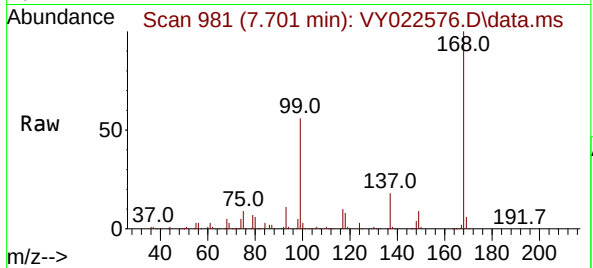




#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022576.D
 Acq: 05 Jun 2025 15:55

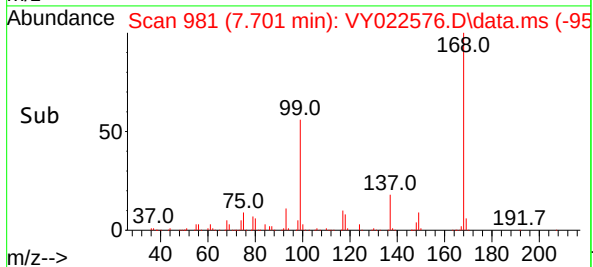
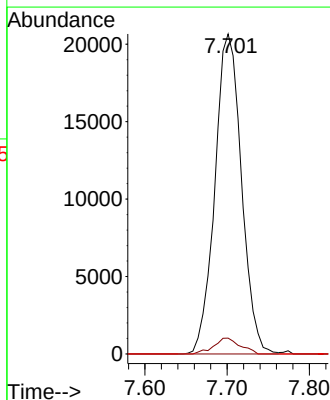
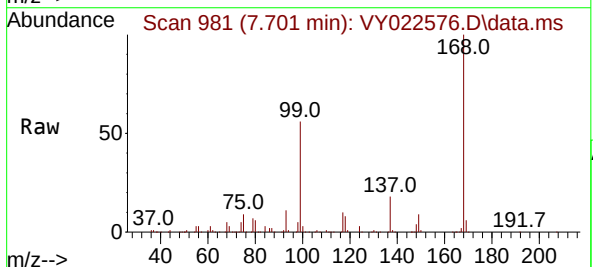
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01

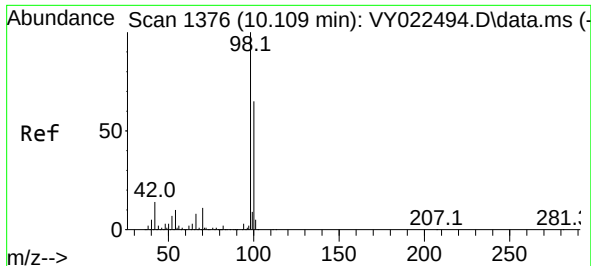
Tgt Ion: 75 Resp: 39289
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.798 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY022576.D
 Acq: 05 Jun 2025 15:55

Tgt Ion: 117 Resp: 46421
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.0 112.6#
 121 0.0 25.0 37.4#

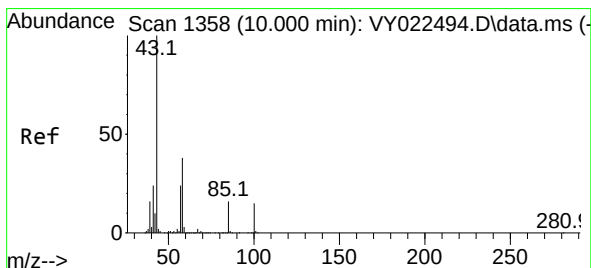
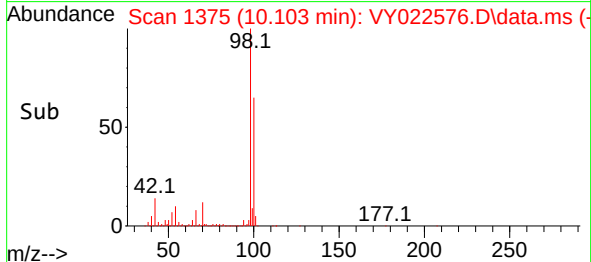
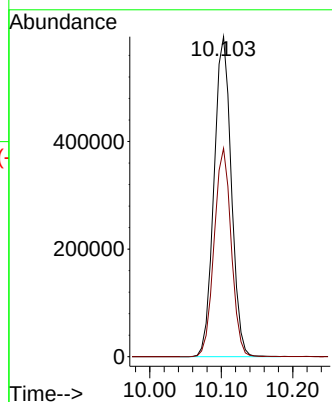
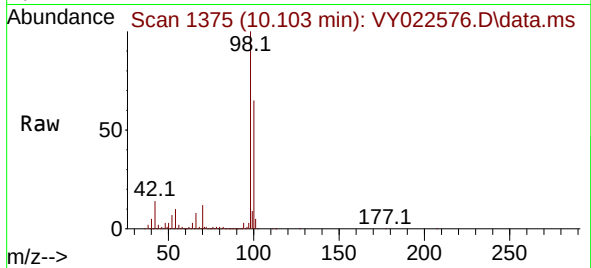




#50
Toluene-d8
Concen: 51.342 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

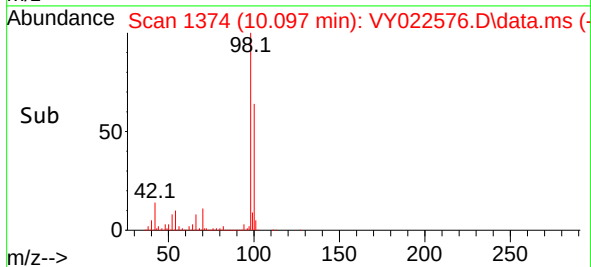
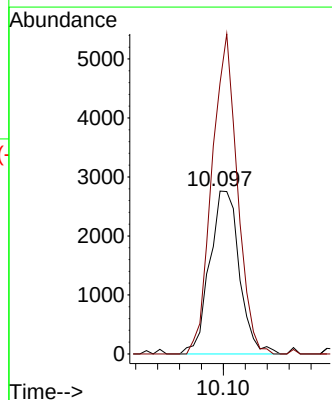
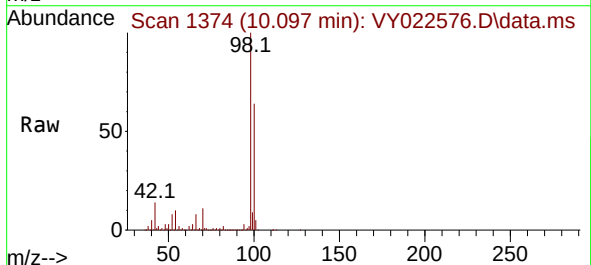
Instrument :
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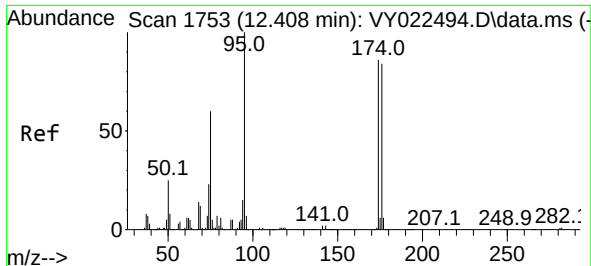
Tgt Ion: 98 Resp: 997585
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.097 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion: 43 Resp: 5189
Ion Ratio Lower Upper
43 100
58 168.3 30.4 45.6#

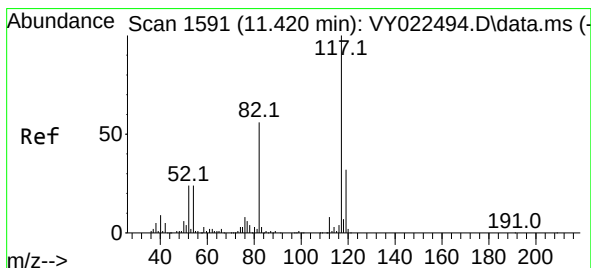
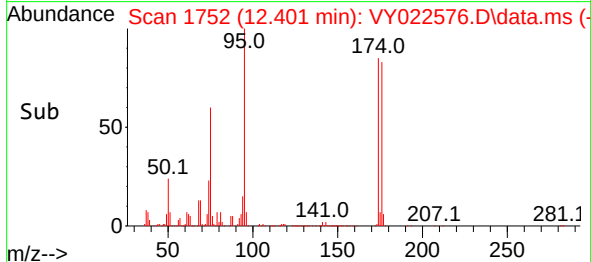
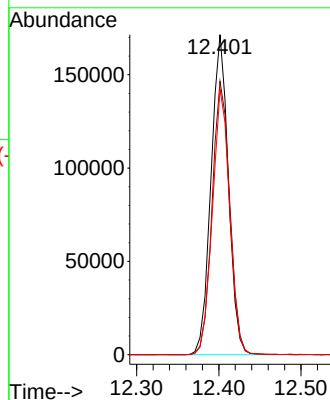
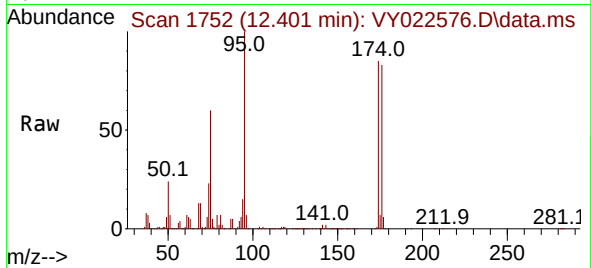




#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

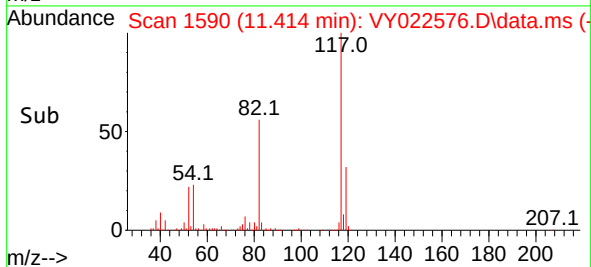
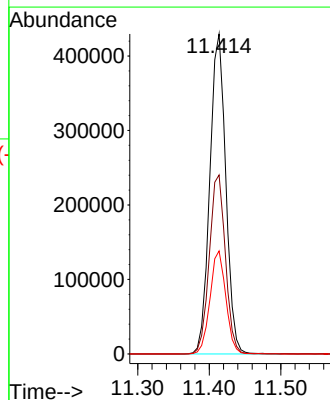
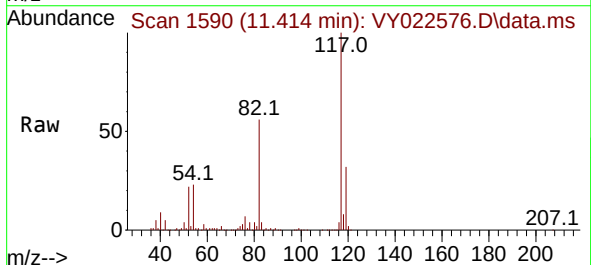
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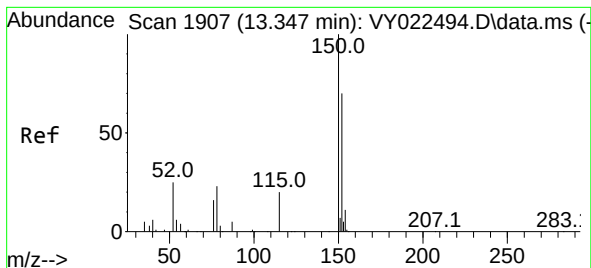
Tgt Ion: 95 Resp: 251175
Ion Ratio Lower Upper
95 100
174 87.0 0.0 170.0
176 82.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022576.D
Acq: 05 Jun 2025 15:55

Tgt Ion: 117 Resp: 666580
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022576.D

Acq: 05 Jun 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-01

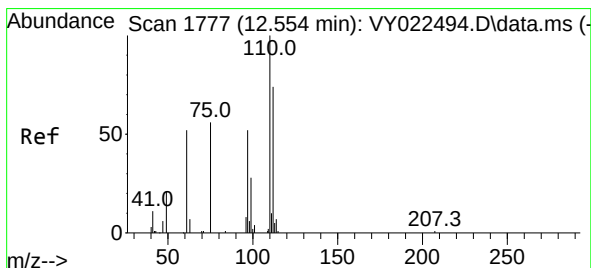
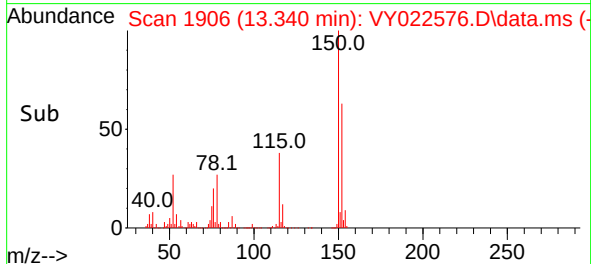
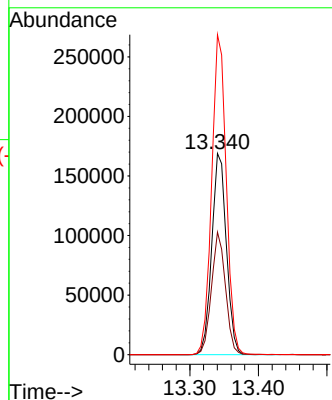
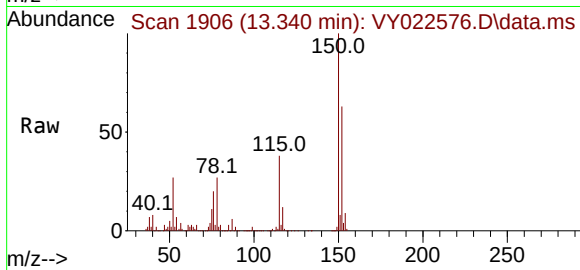
Tgt Ion:152 Resp: 251074

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 158.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.300 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022576.D

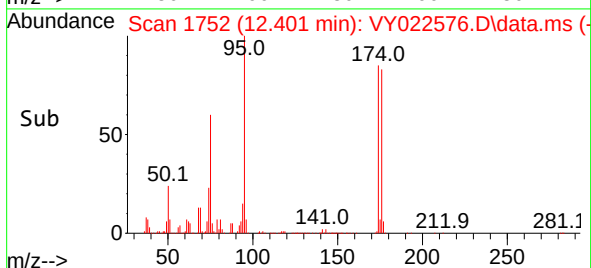
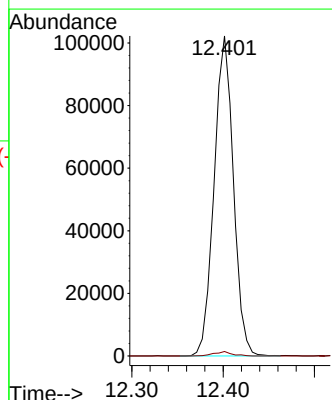
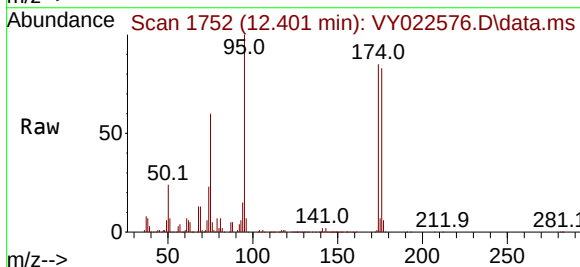
Acq: 05 Jun 2025 15:55

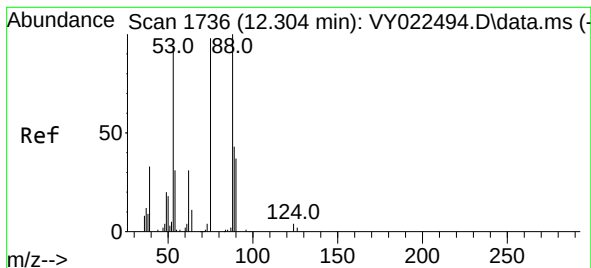
Tgt Ion: 75 Resp: 150225

Ion Ratio Lower Upper

75 100

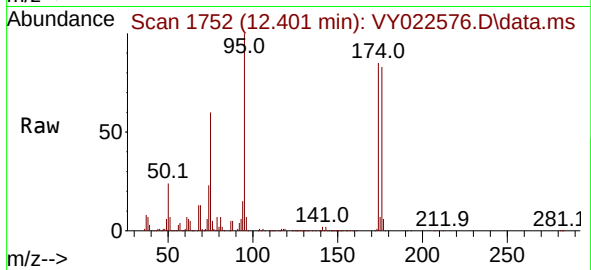
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.301 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022576.D
 Acq: 05 Jun 2025 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01



Tgt Ion: 75 Resp: 150225
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

