

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022572.D
 Acq On : 05 Jun 2025 14:20
 Operator : SY/MD
 Sample : Q2208-02
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-06

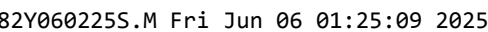
Quant Time: Jun 06 01:24:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	422080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	768725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	627220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	232361	49.221	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.440%
35) Dibromofluoromethane	7.634	113	230417	50.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.440%
50) Toluene-d8	10.103	98	927847	50.046	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.401	95	239661	43.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.780%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	4022	4.195	ug/l #	82
31) Cyclohexane	7.701	56	11423	1.259	ug/l #	14
36) 1,1-Dichloropropene	7.707	75	37803	5.076	ug/l #	50
38) Carbon Tetrachloride	7.707	117	44076	5.770	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4797	1.341	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	144161	53.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	144161	130.188	ug/l #	10

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

Quant Time: Jun 06 01:24:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
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QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

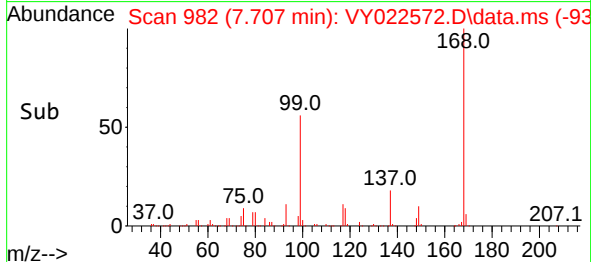
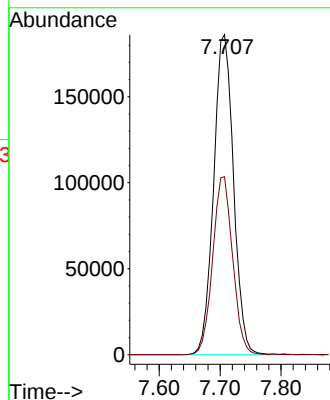
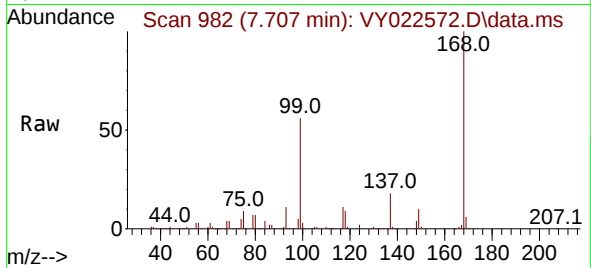




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

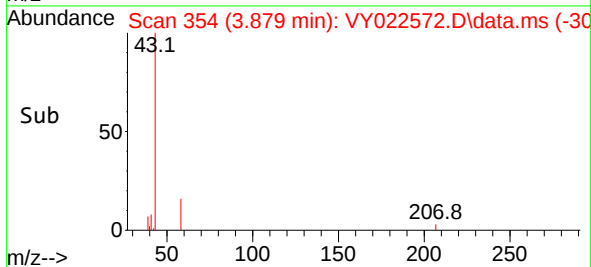
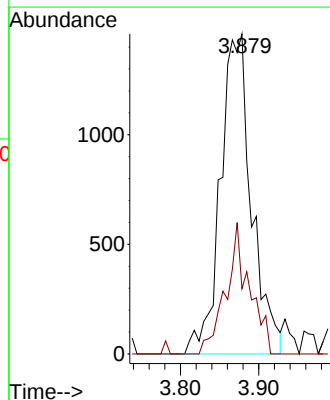
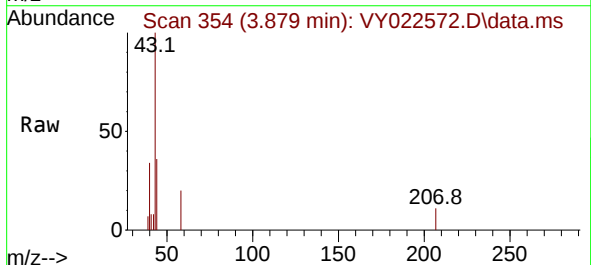
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

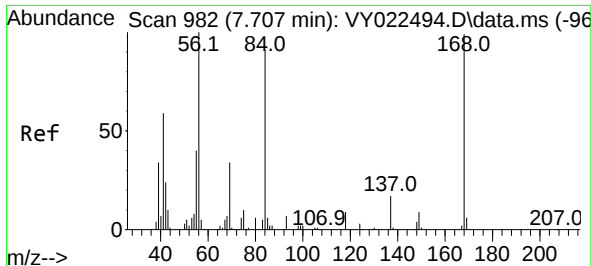
Tgt Ion:168 Resp: 422080
Ion Ratio Lower Upper
168 100
99 55.6 44.3 66.5



#16
Acetone
Concen: 4.195 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 43 Resp: 4022
Ion Ratio Lower Upper
43 100
58 20.4 24.0 36.0#

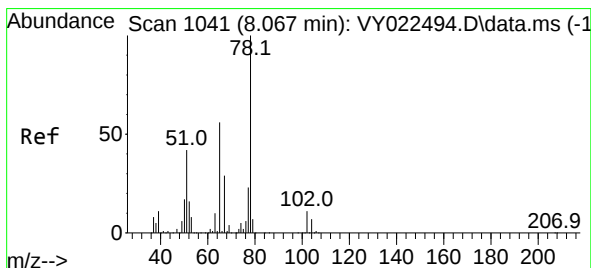
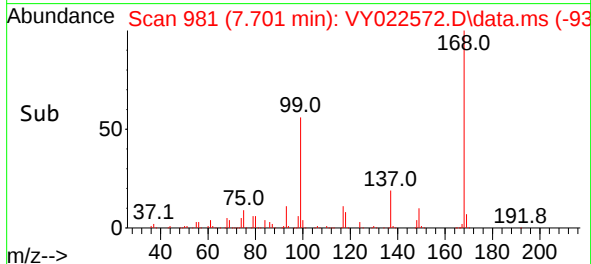
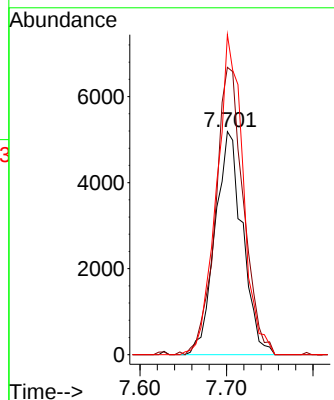
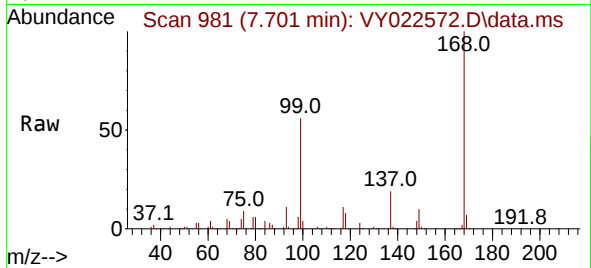




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

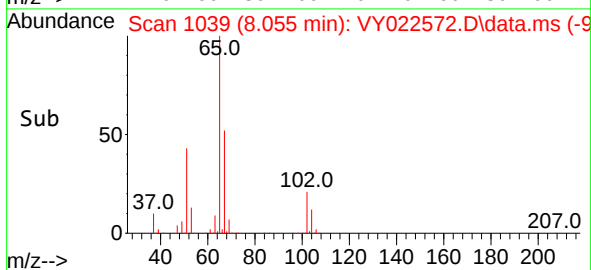
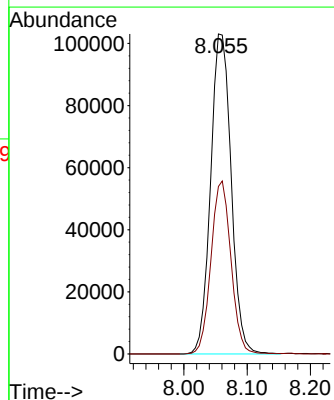
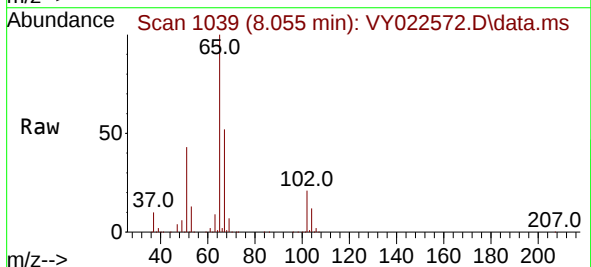
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ClientSampleId :
BU-703-VOC-06

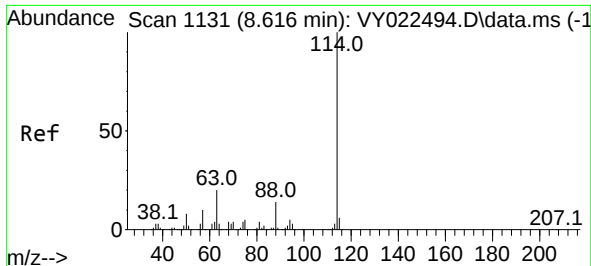
Tgt Ion: 56 Resp: 11423
Ion Ratio Lower Upper
56 100
69 128.8 27.0 40.6#
84 143.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.221 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 65 Resp: 232361
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

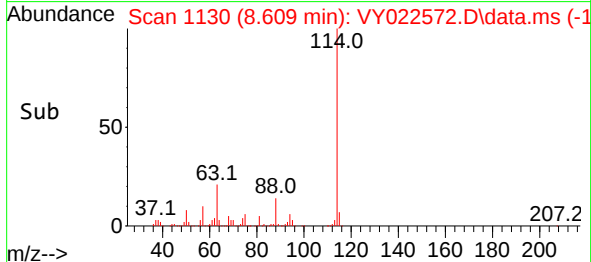
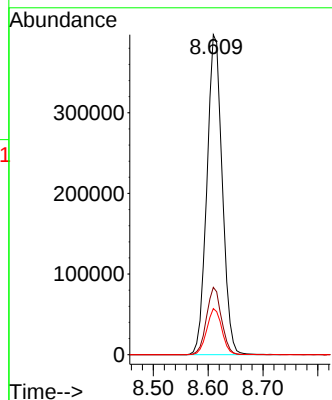
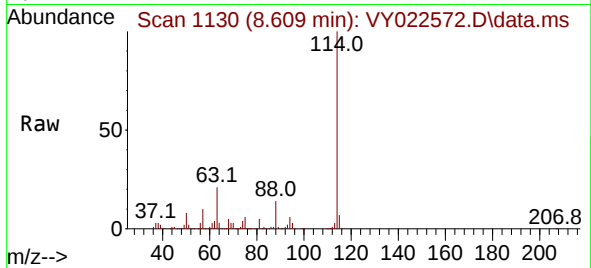




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

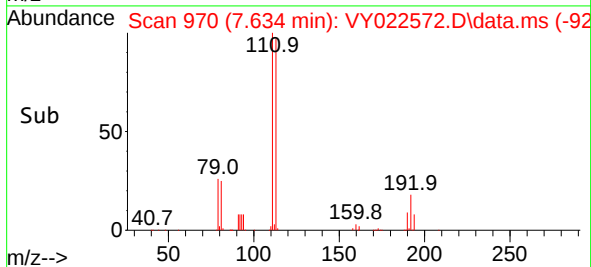
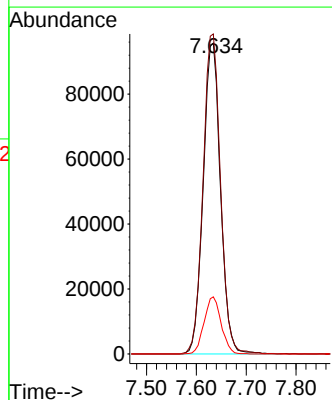
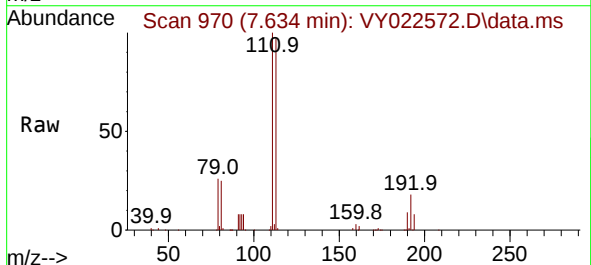
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-06

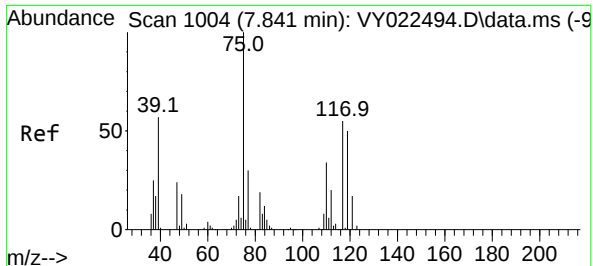
Tgt Ion:114 Resp: 768725
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.218 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion:113 Resp: 230417
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.1 14.2 21.2

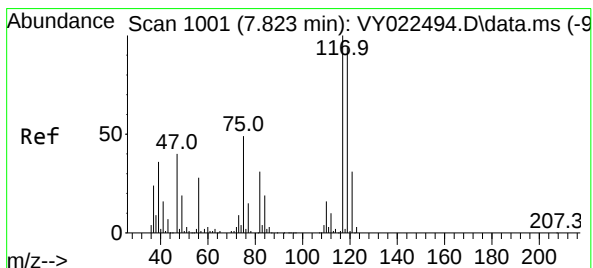
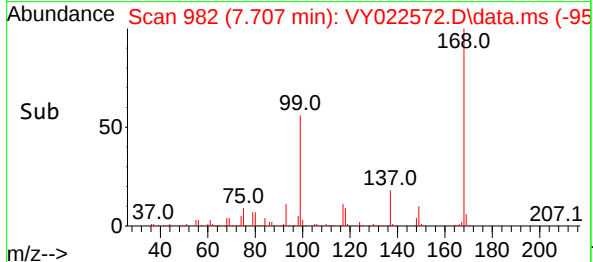
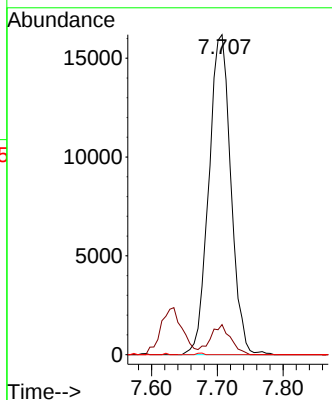
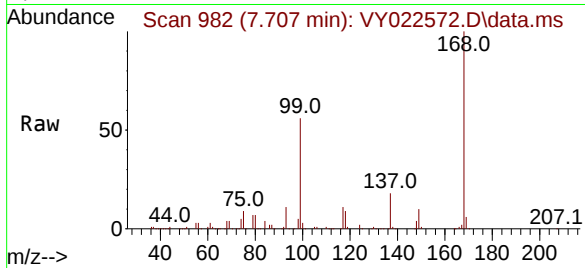




#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

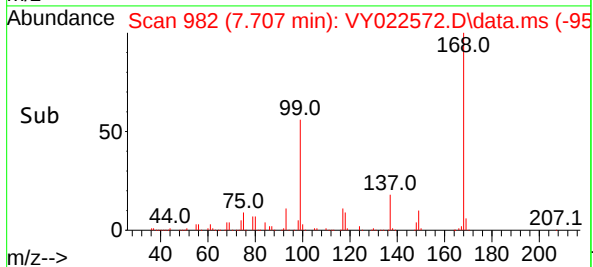
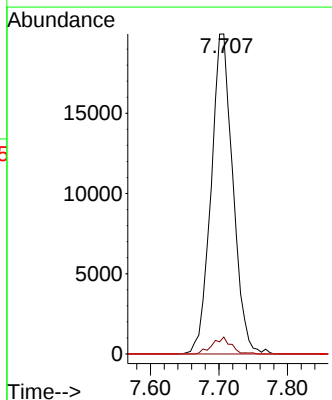
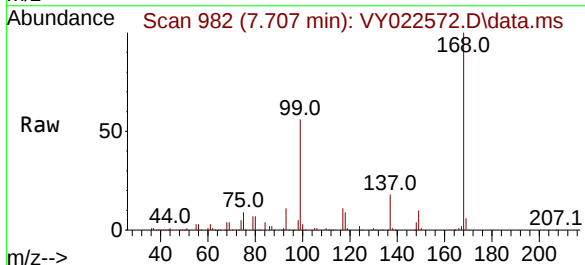
Instrument :
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ClientSampleId :
BU-703-VOC-06

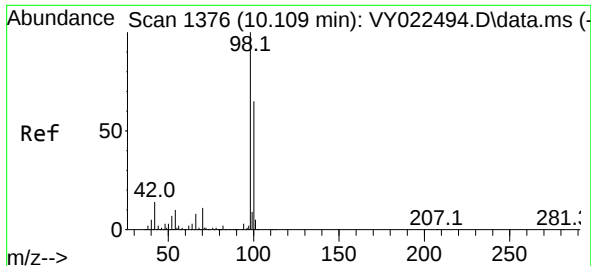
Tgt Ion: 75 Resp: 37803
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.770 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 117 Resp: 44076
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#

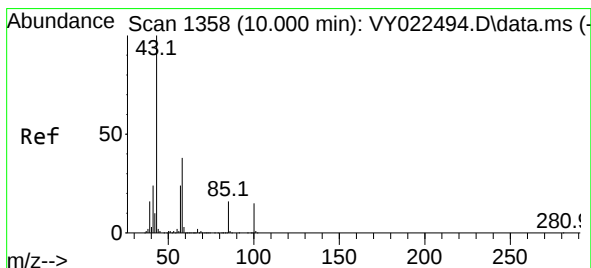
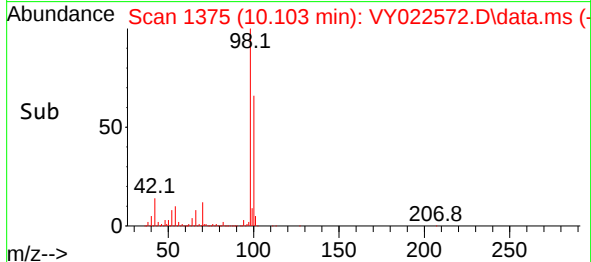
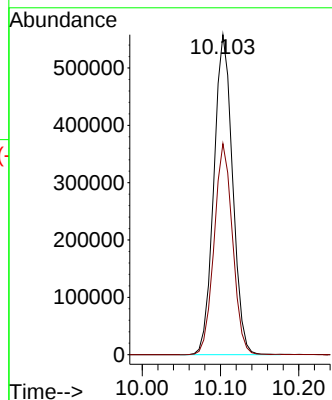
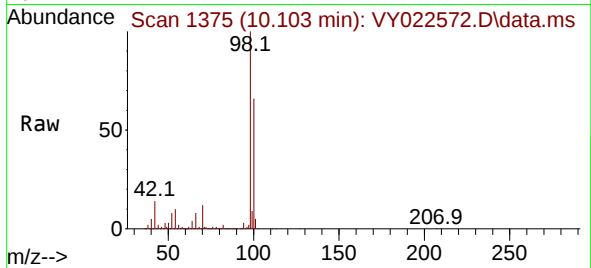




#50
Toluene-d8
Concen: 50.046 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

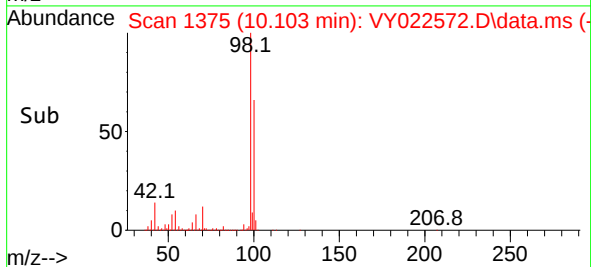
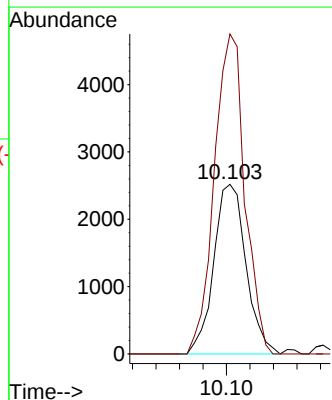
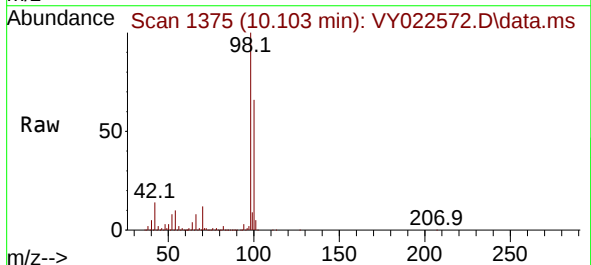
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BU-703-VOC-06

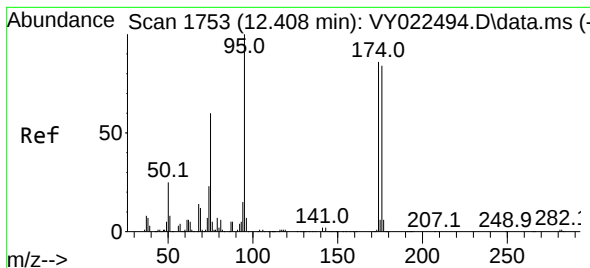
Tgt Ion: 98 Resp: 927847
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.341 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 43 Resp: 4797
Ion Ratio Lower Upper
43 100
58 178.9 30.4 45.6#

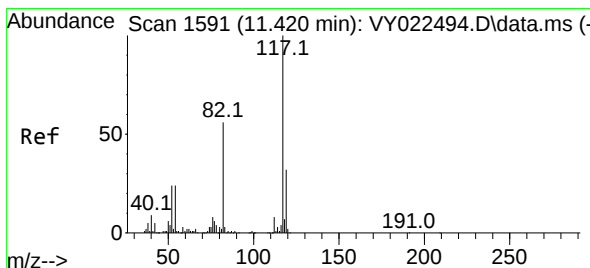
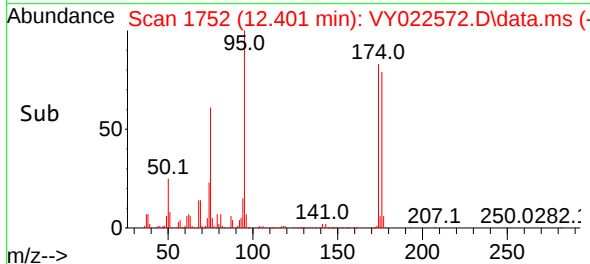
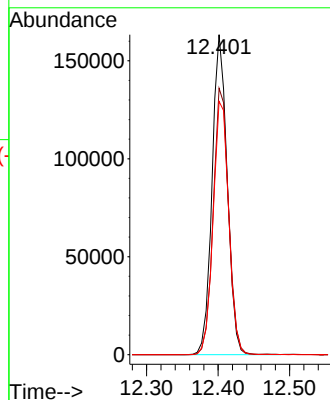
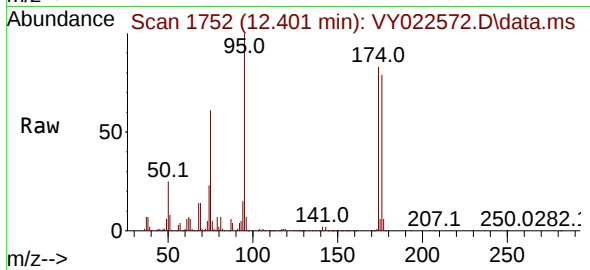




#62
4-Bromofluorobenzene
Concen: 43.386 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

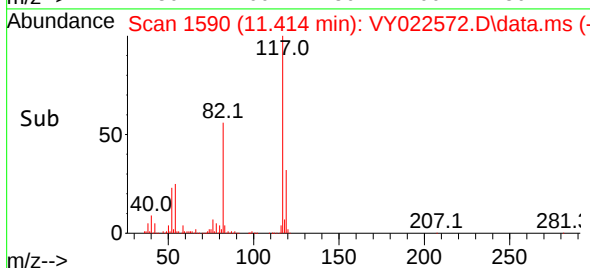
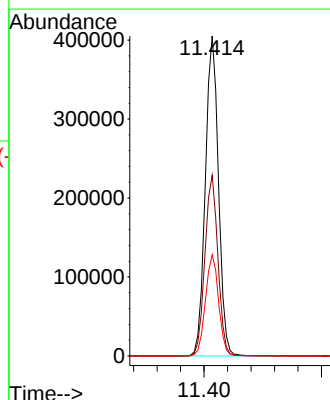
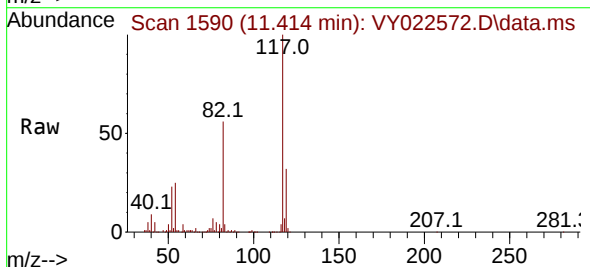
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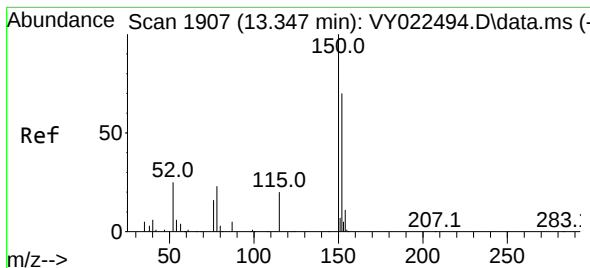
Tgt Ion: 95 Resp: 239661
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022572.D
Acq: 05 Jun 2025 14:20

Tgt Ion: 117 Resp: 627220
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 31.6 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: VY022572.D

Acq: 05 Jun 2025 14:20

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-06

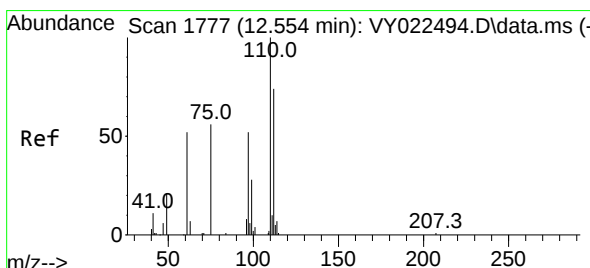
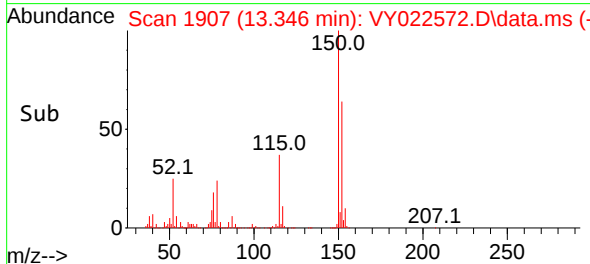
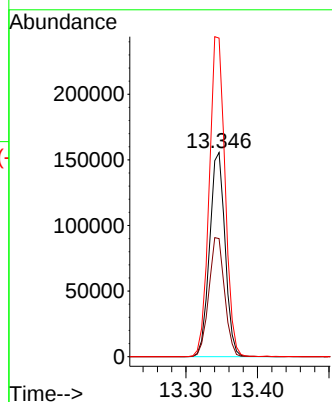
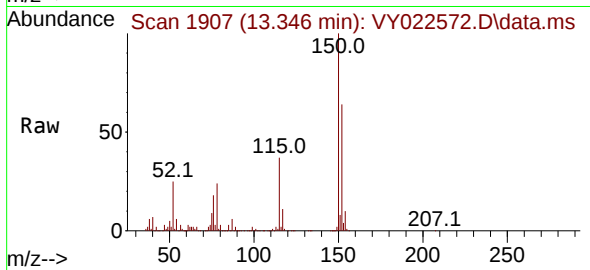
Tgt Ion:152 Resp: 233746

Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 160.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.909 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022572.D

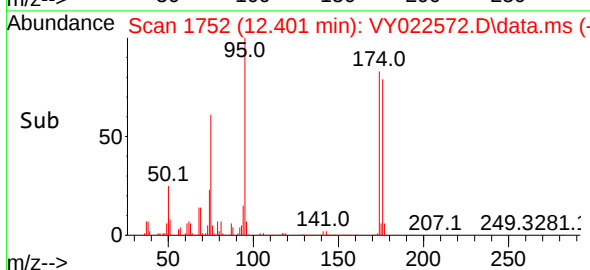
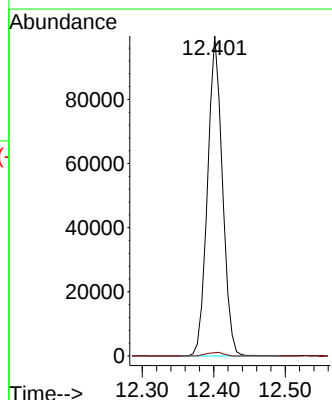
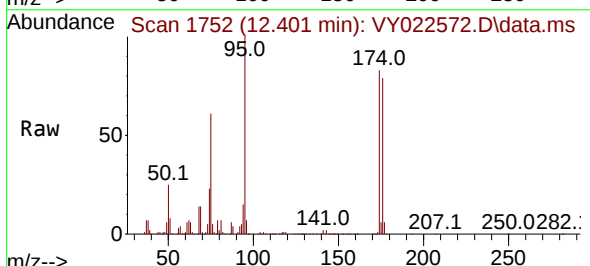
Acq: 05 Jun 2025 14:20

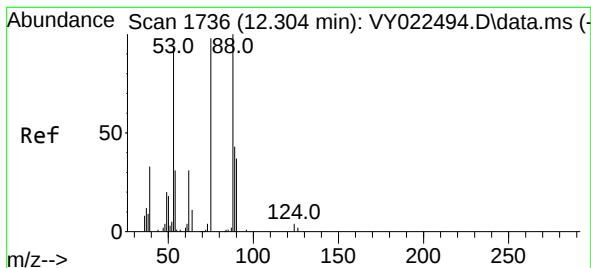
Tgt Ion: 75 Resp: 144161

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.188 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022572.D
 Acq: 05 Jun 2025 14:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-06

Tgt Ion: 75 Resp: 144161
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

