

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022573.D
 Acq On : 05 Jun 2025 14:44
 Operator : SY/MD
 Sample : Q2208-11
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-07

Quant Time: Jun 06 01:25:18 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)

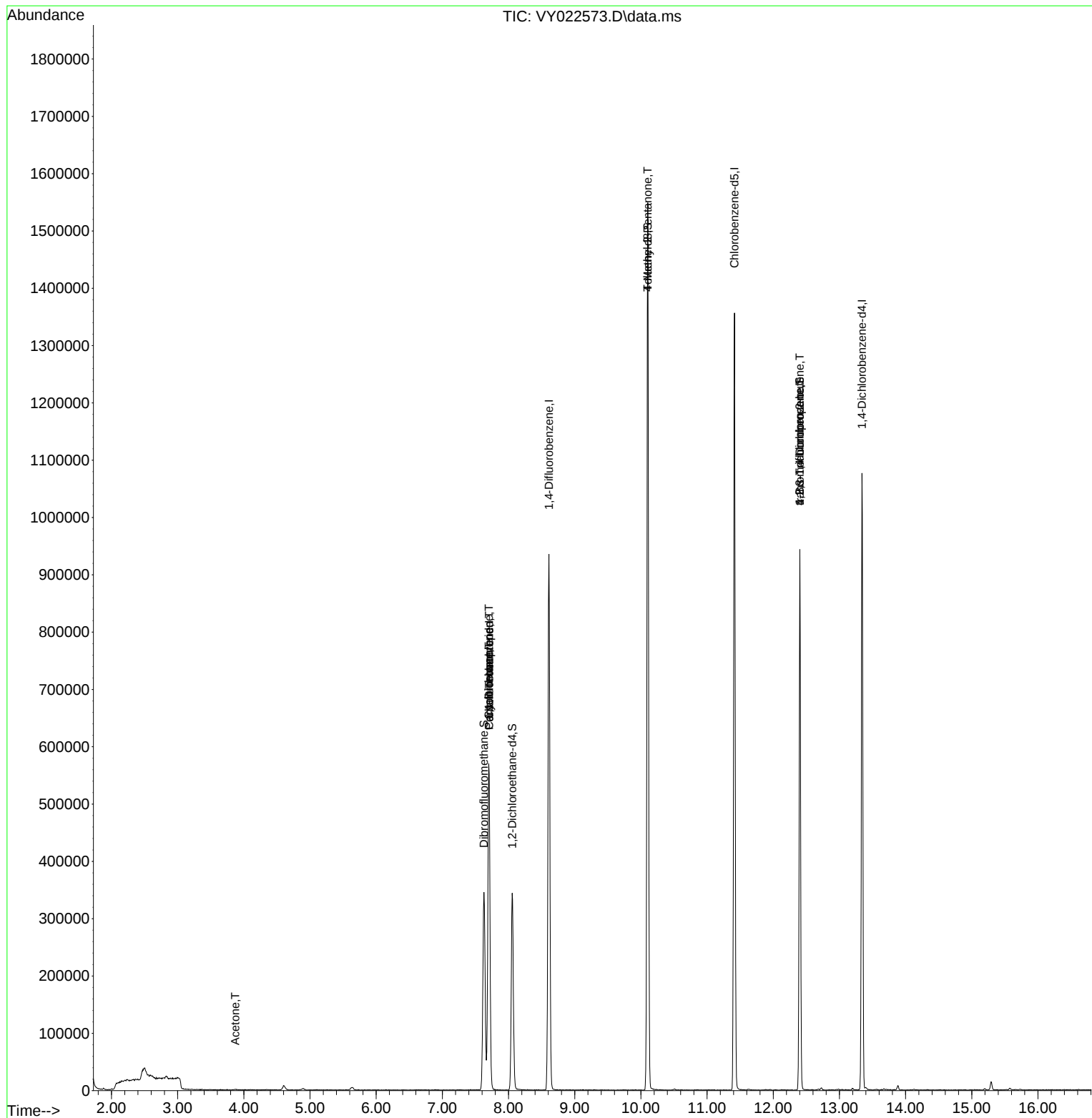
Internal Standards						
1) Pentafluorobenzene	7.707	168	416711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	771777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	242844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	253891	54.475	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.960%	
35) Dibromofluoromethane	7.628	113	237472	51.551	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.100%	
50) Toluene-d8	10.103	98	945265	50.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	12.402	95	247265	44.585	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.180%	
Target Compounds						Qvalue
16) Acetone	3.873	43	1329	1.404	ug/l #	77
31) Cyclohexane	7.701	56	12180	1.360	ug/l #	28
36) 1,1-Dichloropropene	7.701	75	37871	5.065	ug/l #	50
38) Carbon Tetrachloride	7.707	117	44074	5.746	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4751	1.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	147527	53.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	147527	128.236	ug/l #	10

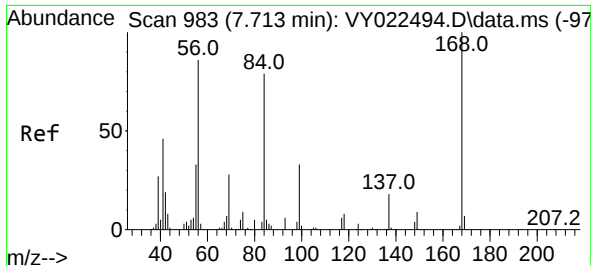
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
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Response via : Initial Calibration

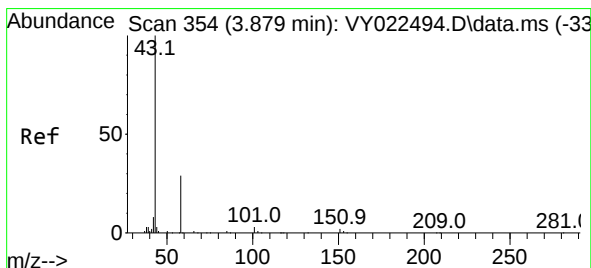
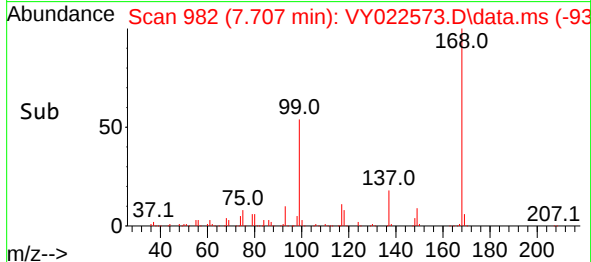
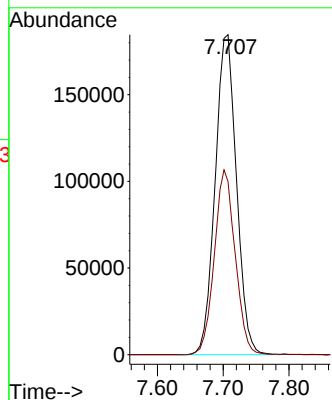
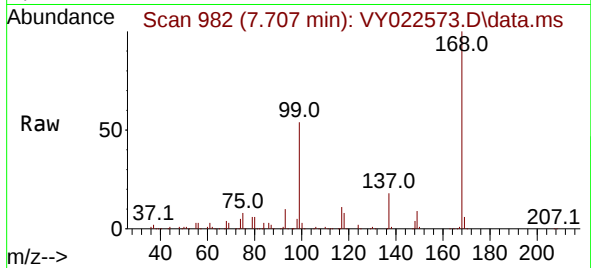




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

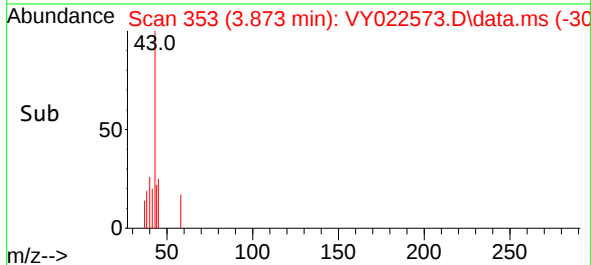
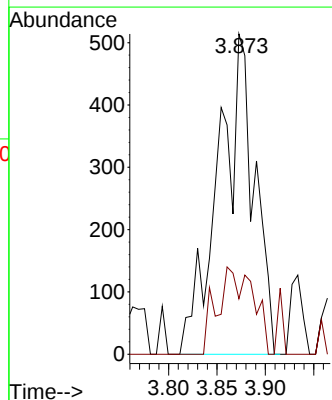
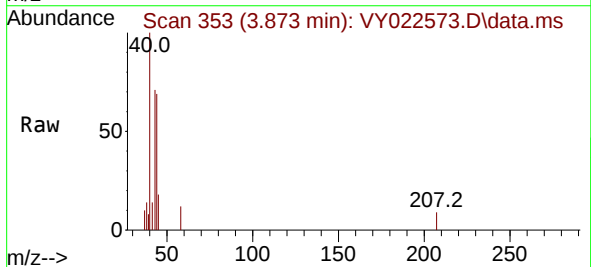
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

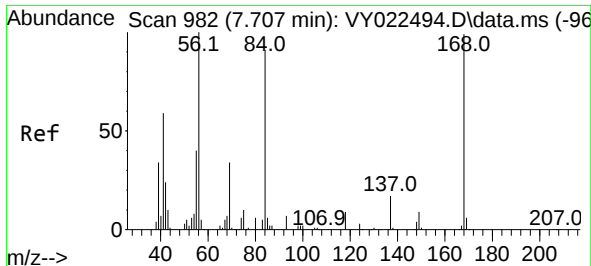
Tgt Ion:168 Resp: 416711
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#16
Acetone
Concen: 1.404 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
58 17.3 24.0 36.0#

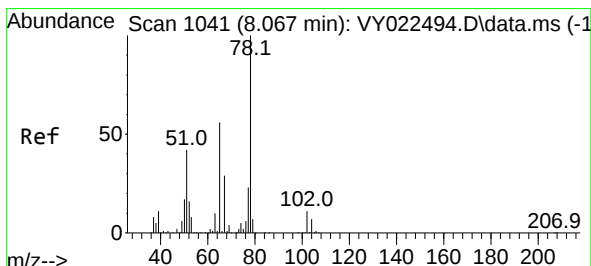
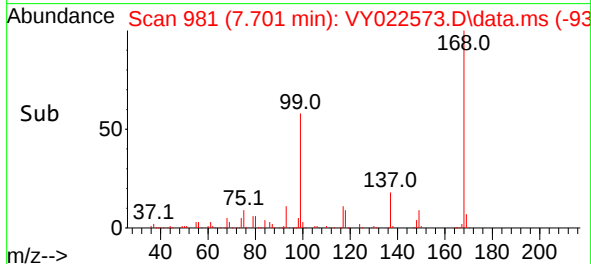
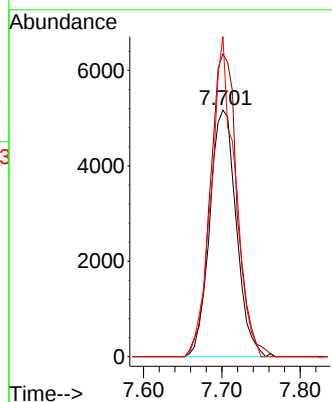
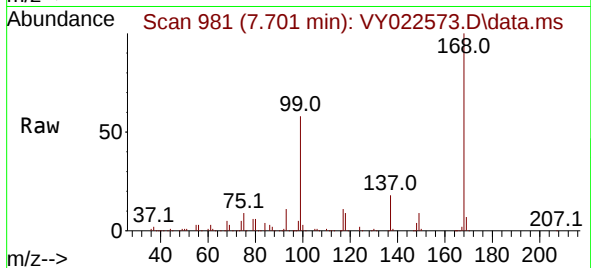




#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

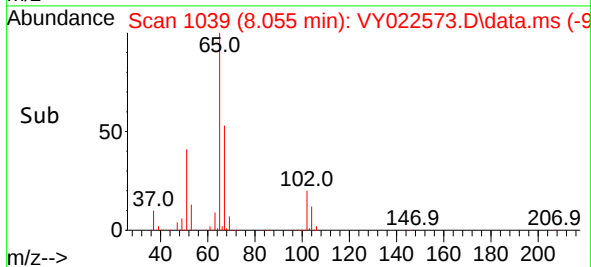
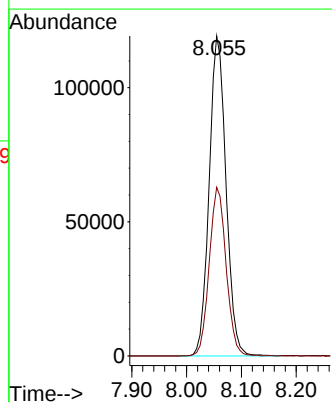
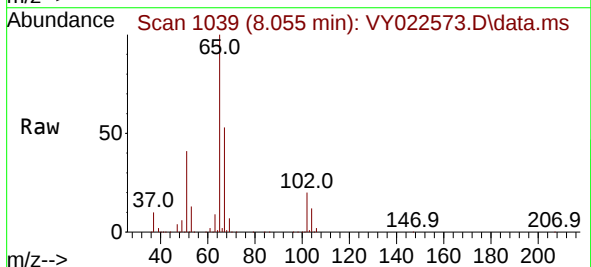
Instrument :
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ClientSampleId :
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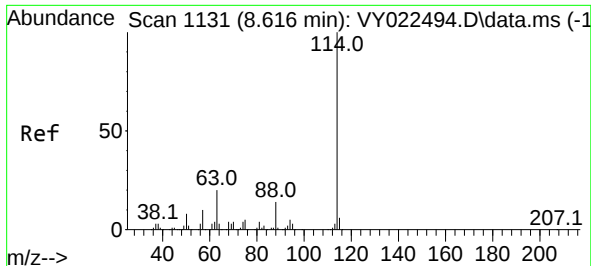
Tgt Ion: 56 Resp: 12180
Ion Ratio Lower Upper
56 100
69 122.8 27.0 40.6#
84 129.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.475 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 65 Resp: 253891
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

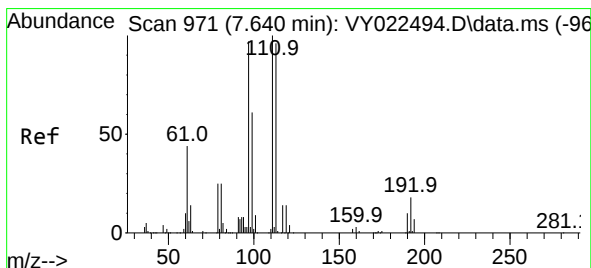
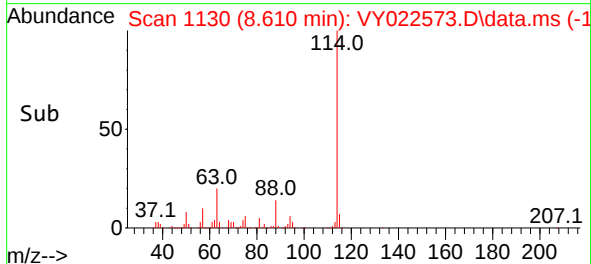
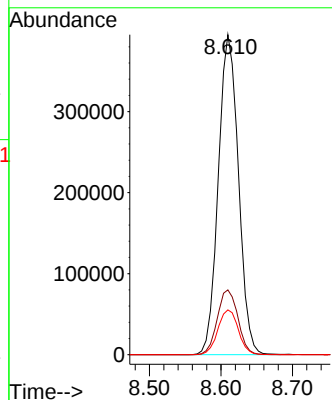
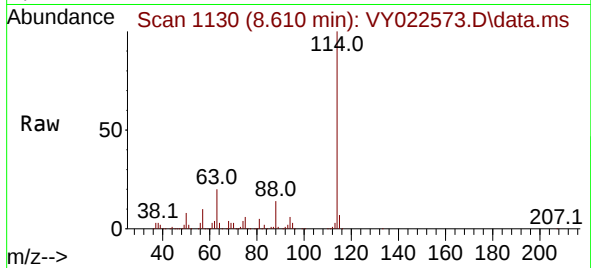




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

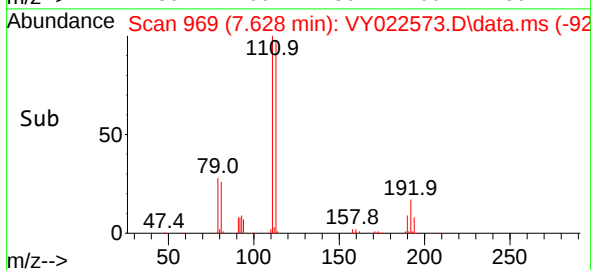
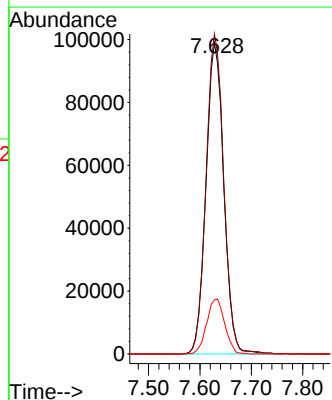
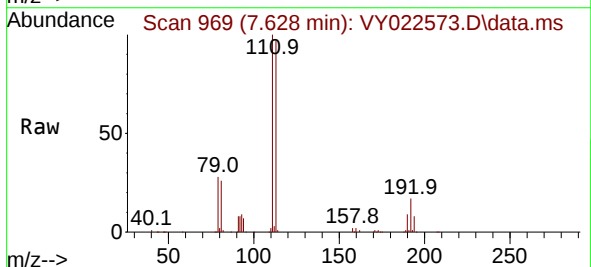
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

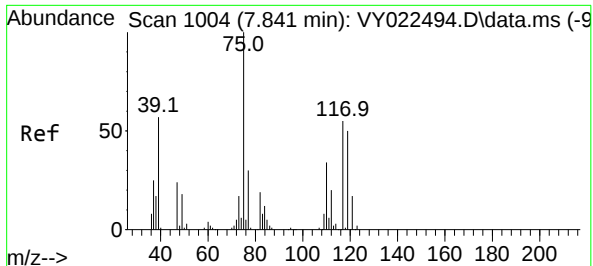
Tgt Ion:114 Resp: 771777
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.551 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion:113 Resp: 237472
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.0 14.2 21.2

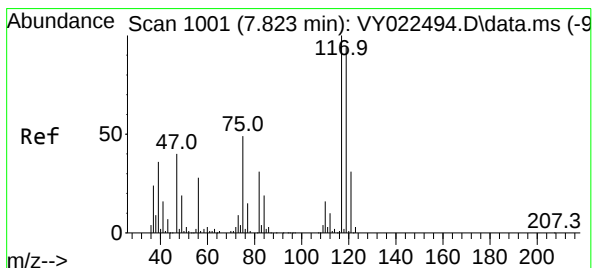
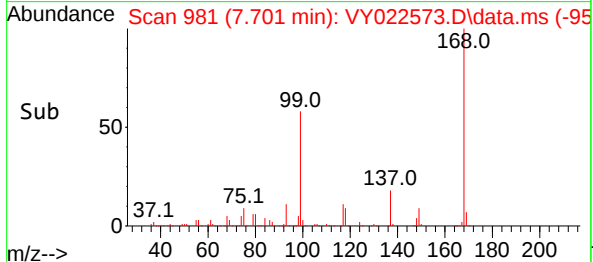
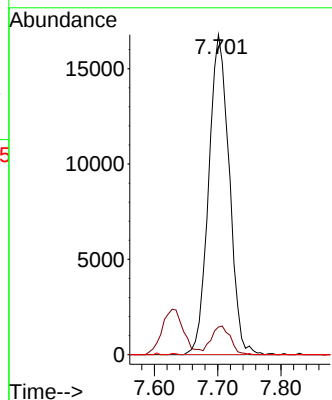
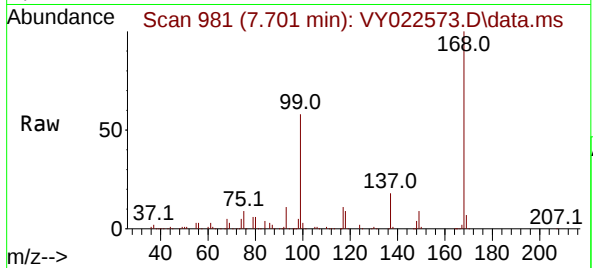




#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

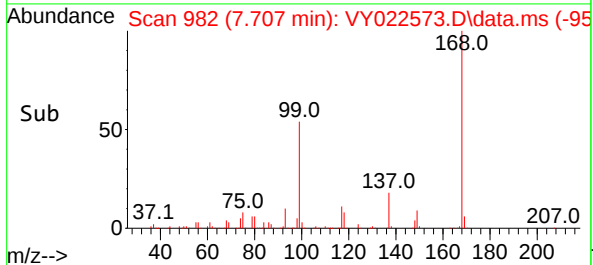
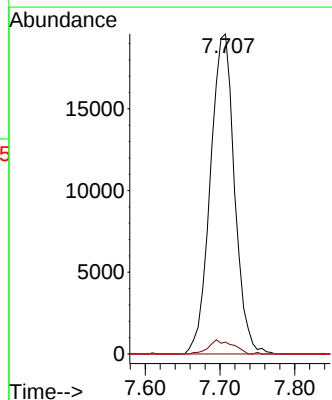
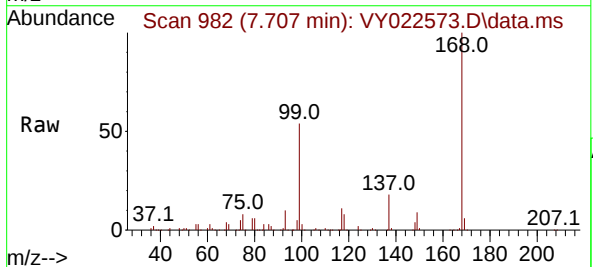
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

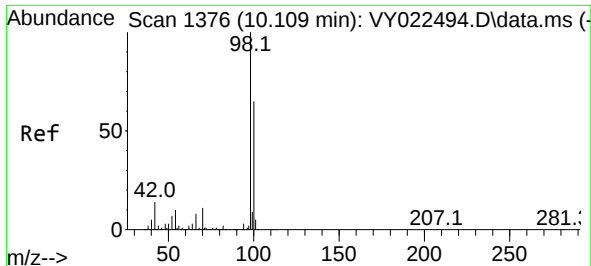
Tgt Ion: 75 Resp: 37871
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 117 Resp: 44074
Ion Ratio Lower Upper
117 100
119 3.7 75.0 112.6#
121 0.0 25.0 37.4#

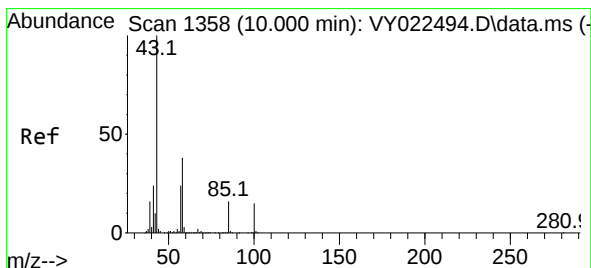
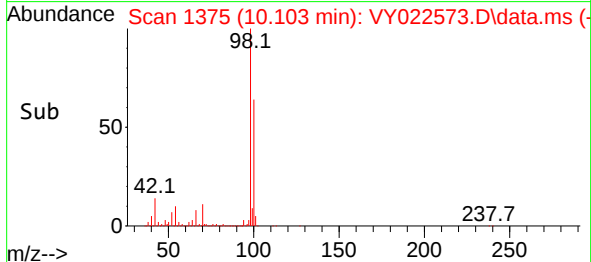
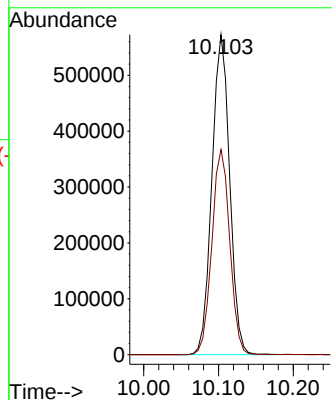
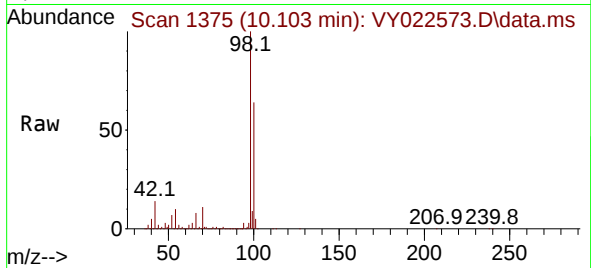




#50
Toluene-d8
Concen: 50.784 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

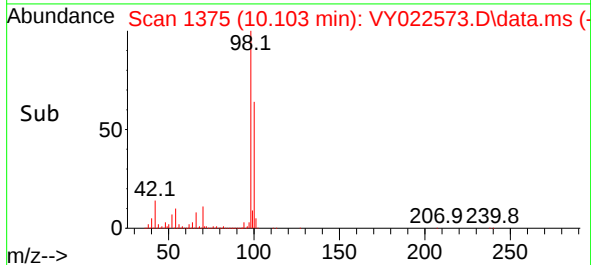
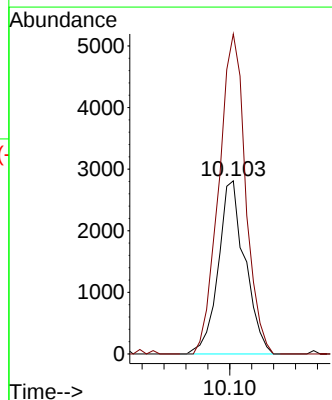
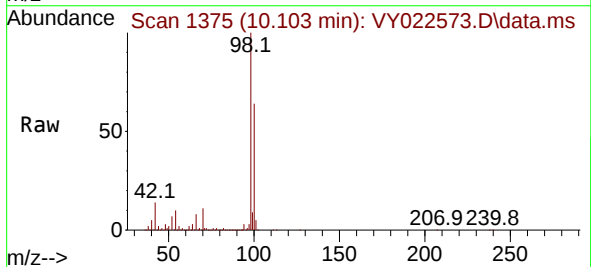
Instrument :
MSVOA_Y
ClientSampleId :
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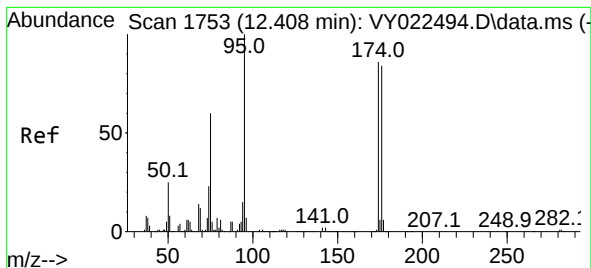
Tgt Ion: 98 Resp: 945265
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 43 Resp: 4751
Ion Ratio Lower Upper
43 100
58 185.3 30.4 45.6#

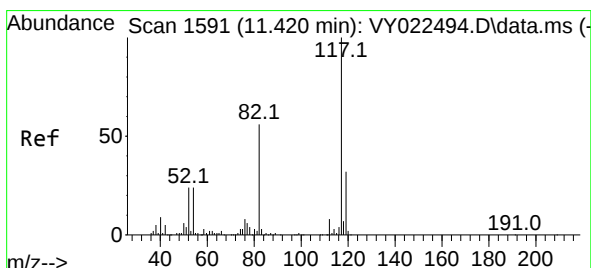
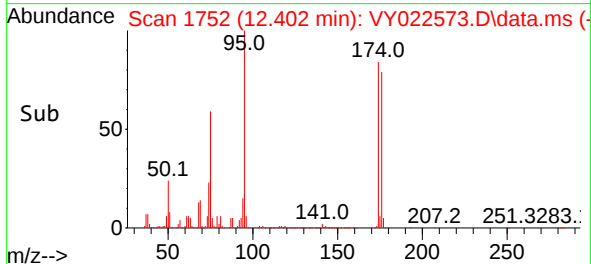
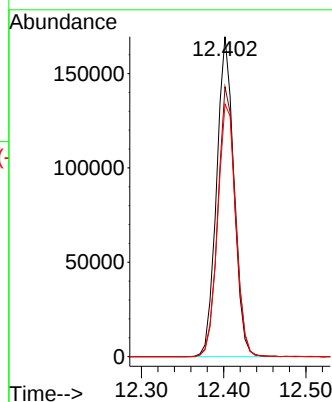
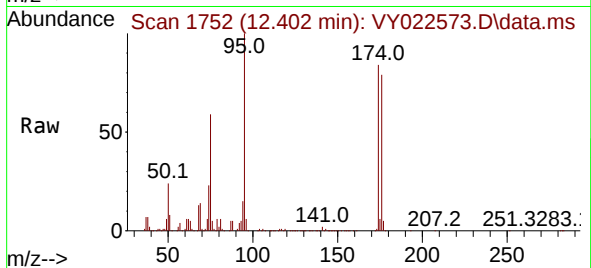




#62
4-Bromofluorobenzene
Concen: 44.585 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

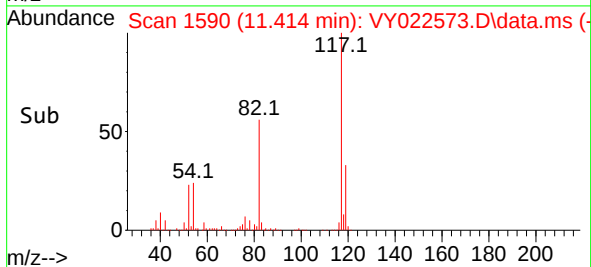
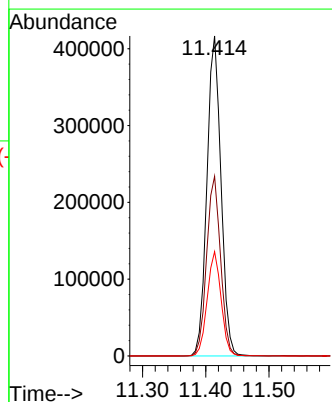
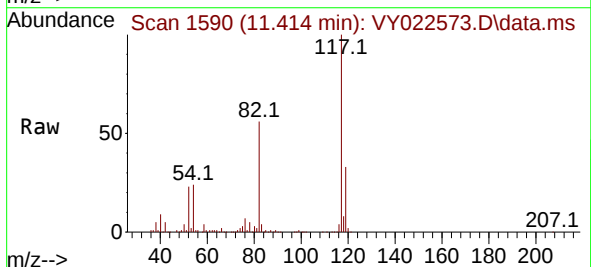
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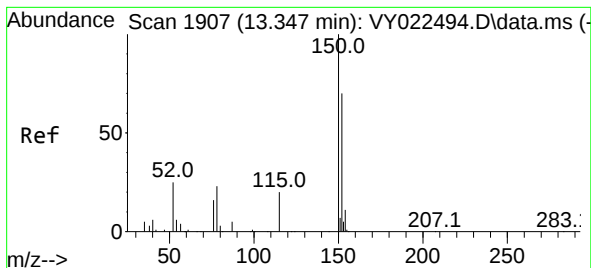
Tgt Ion: 95 Resp: 247265
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 117 Resp: 644858
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 32.6 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: VY022573.D

Acq: 05 Jun 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-07

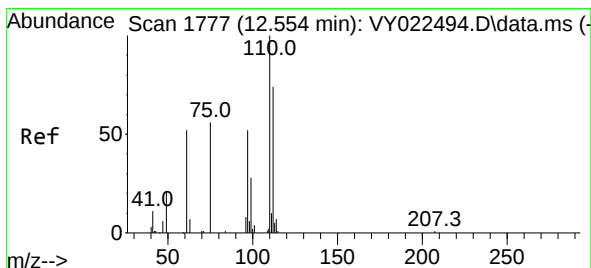
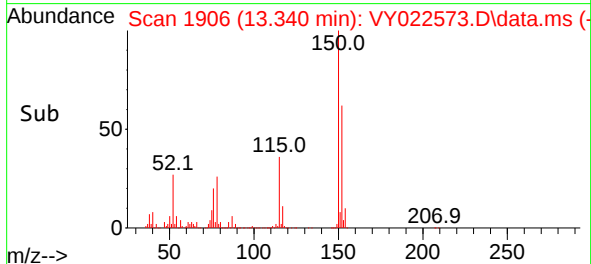
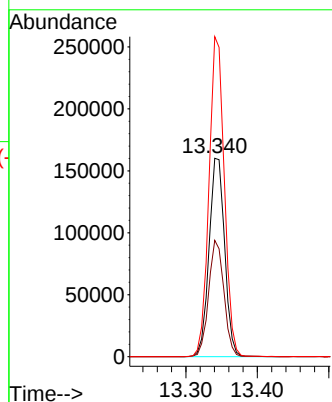
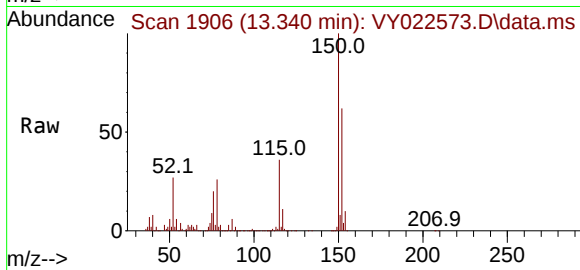
Tgt Ion:152 Resp: 242844

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 158.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.101 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022573.D

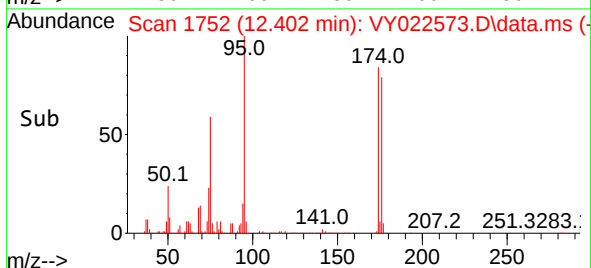
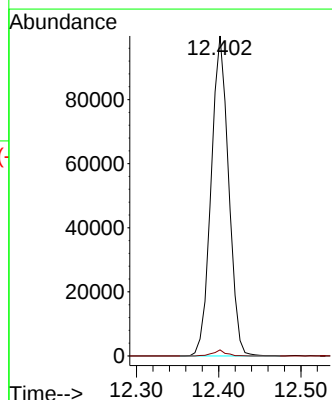
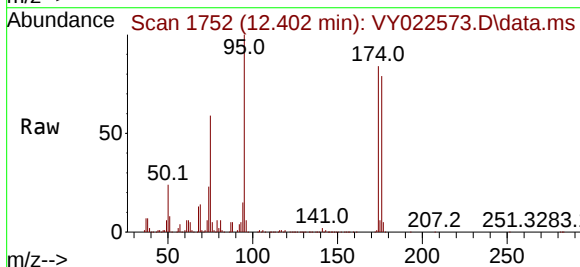
Acq: 05 Jun 2025 14:44

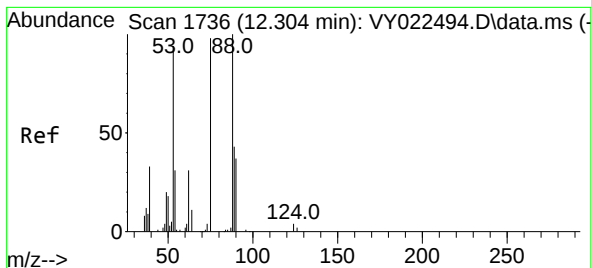
Tgt Ion: 75 Resp: 147527

Ion Ratio Lower Upper

75 100

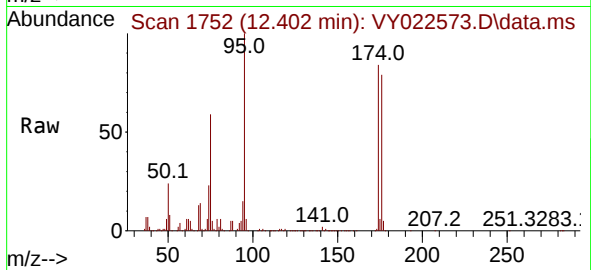
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.236 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022573.D
 Acq: 05 Jun 2025 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-07



Tgt Ion: 75 Resp: 147527
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

