

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022602.D
 Acq On : 06 Jun 2025 16:00
 Operator : SY/MD
 Sample : Q2207-38
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-05

Quant Time: Jun 06 23:44:55 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)

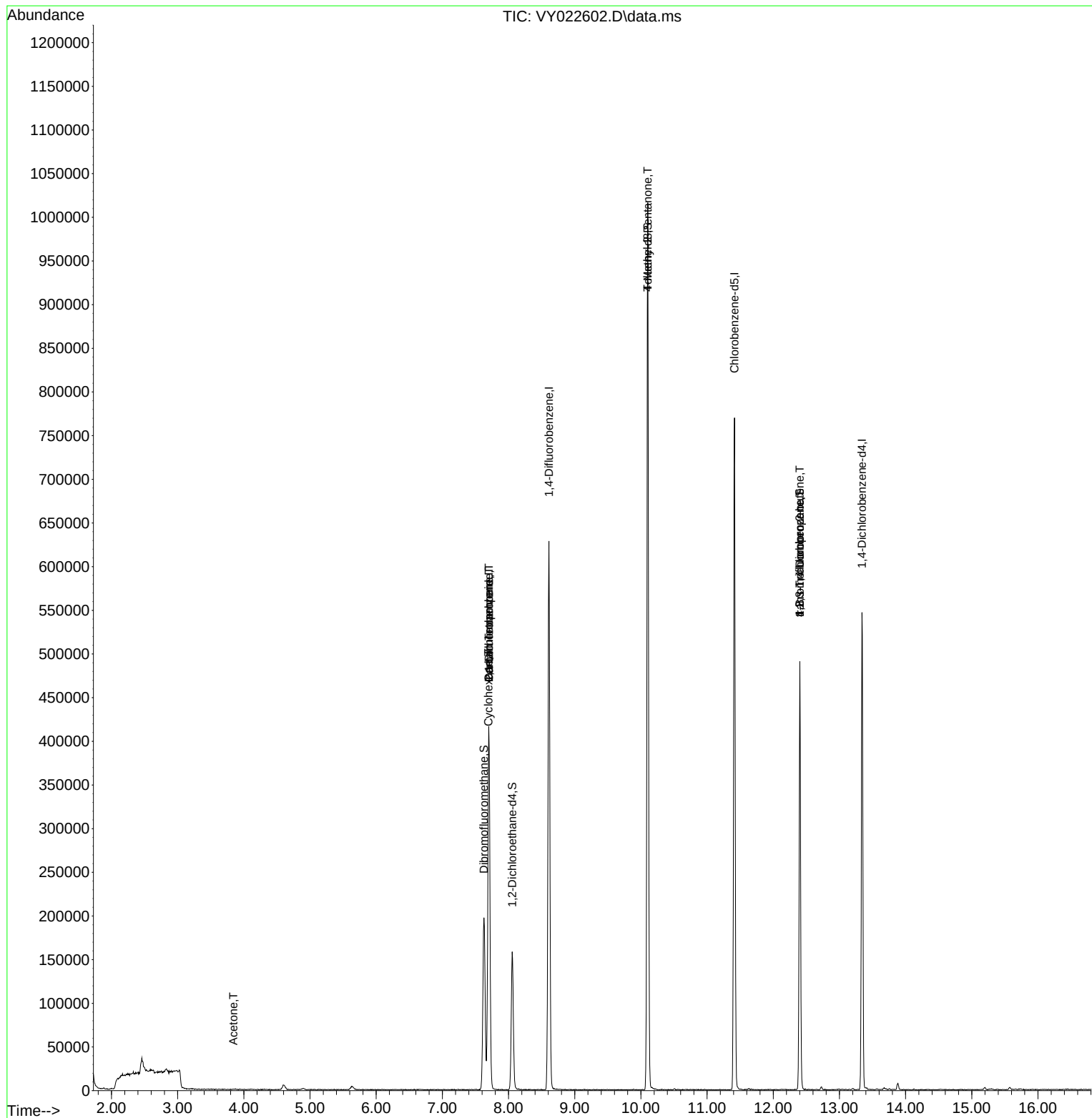
Internal Standards						
1) Pentafluorobenzene	7.701	168	298611	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	507997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	373349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	123690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	117626	35.219	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.440%
35) Dibromofluoromethane	7.628	113	136994	45.181	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.360%
50) Toluene-d8	10.103	98	605050	49.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.401	95	129224	35.400	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.800%
Target Compounds						
					Qvalue	
16) Acetone	3.842	43	730	1.076	ug/l #	45
31) Cyclohexane	7.695	56	8365	1.303	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	27623	5.613	ug/l #	51
38) Carbon Tetrachloride	7.701	117	32580	6.454	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	3062	1.296	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	77494	54.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	77494	132.251	ug/l #	10

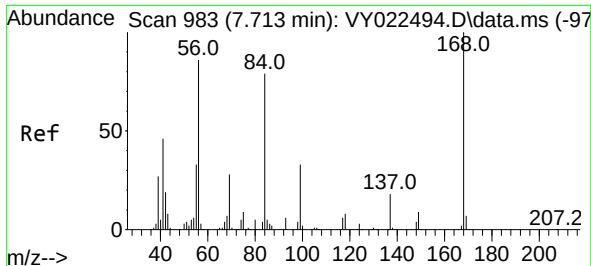
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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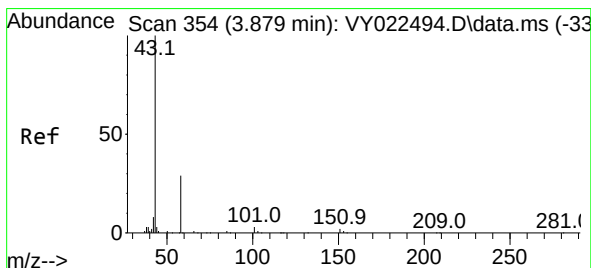
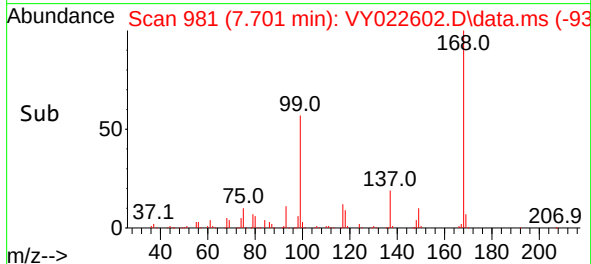
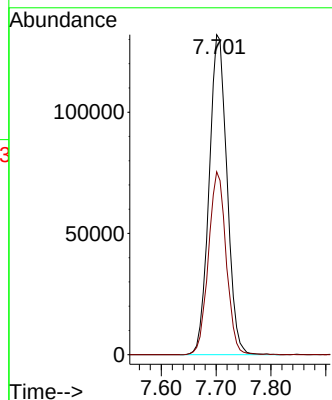
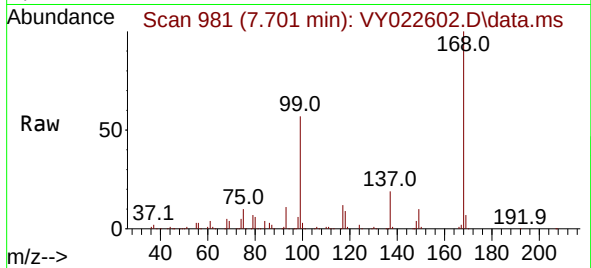




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

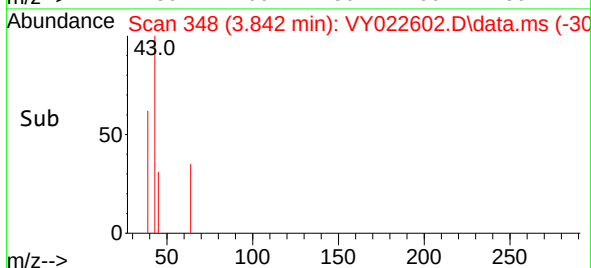
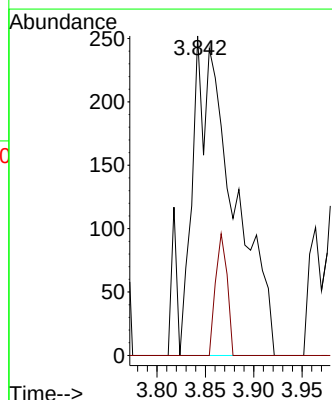
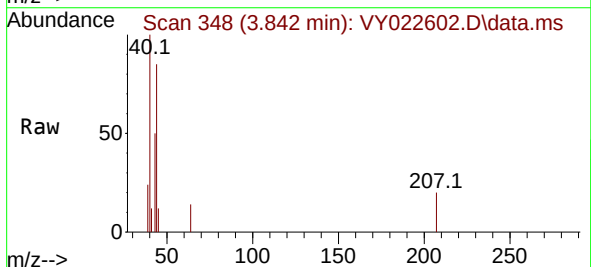
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

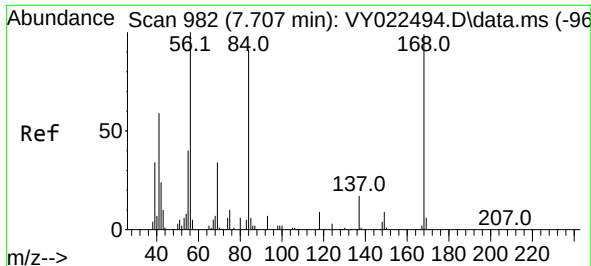
Tgt Ion:168 Resp: 298611
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5



#16
Acetone
Concen: 1.076 ug/l
RT: 3.842 min Scan# 348
Delta R.T. -0.037 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

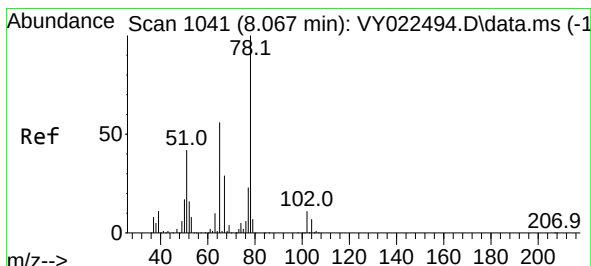
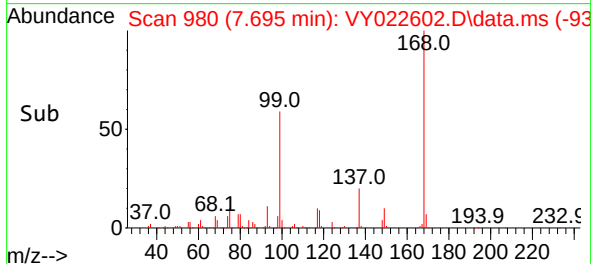
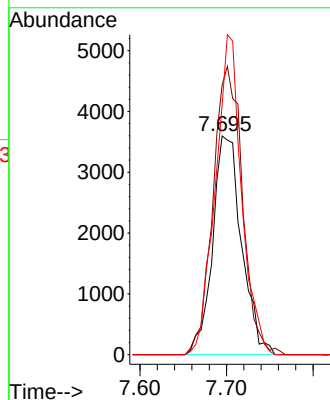
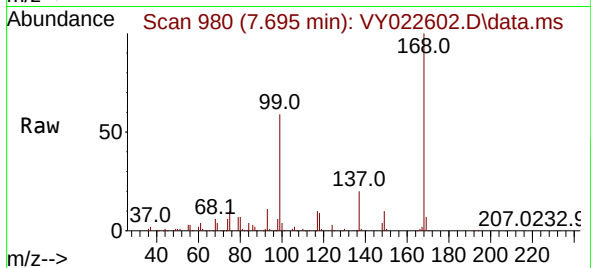




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

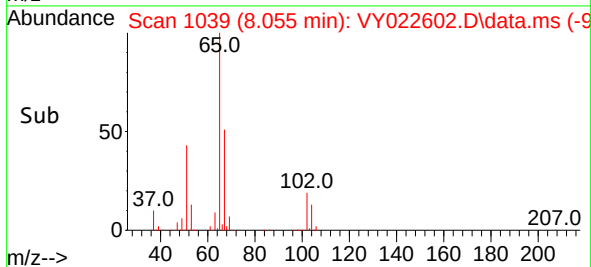
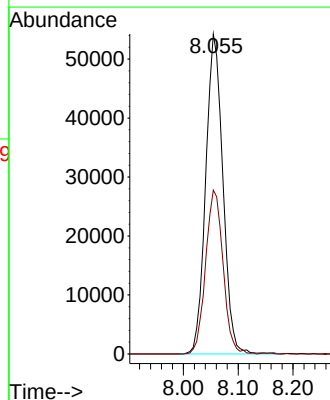
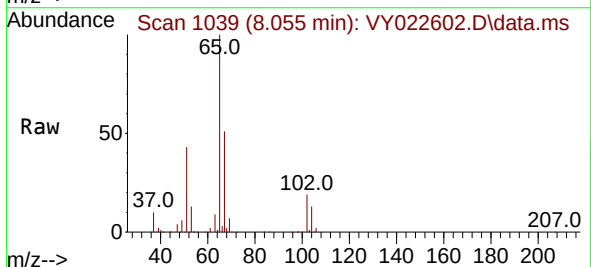
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

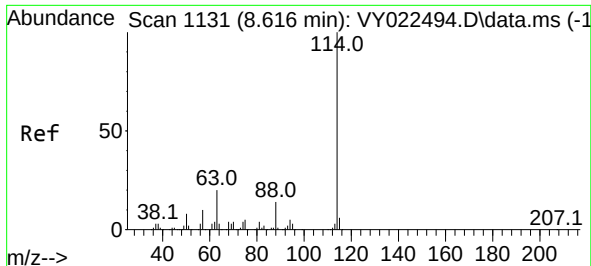
Tgt Ion: 56 Resp: 8365
Ion Ratio Lower Upper
56 100
69 123.2 27.0 40.6#
84 114.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 35.219 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 65 Resp: 117626
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

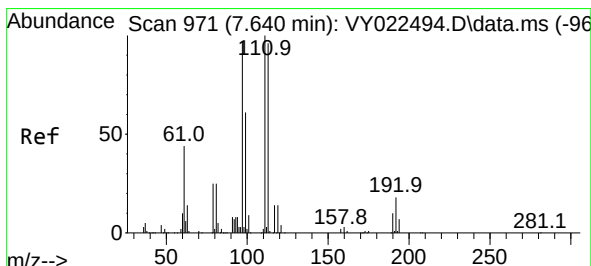
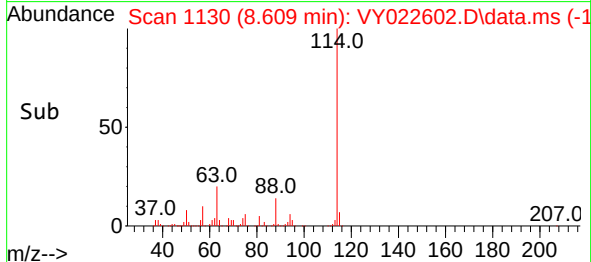
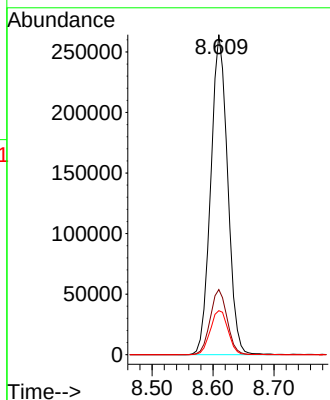
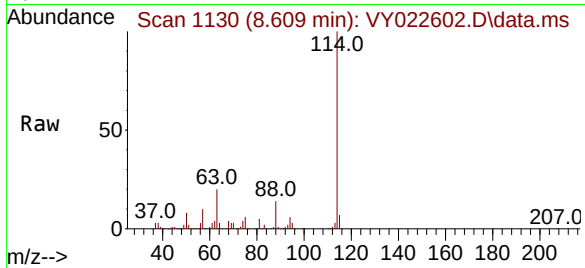




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

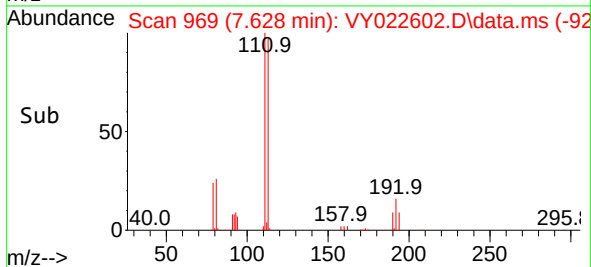
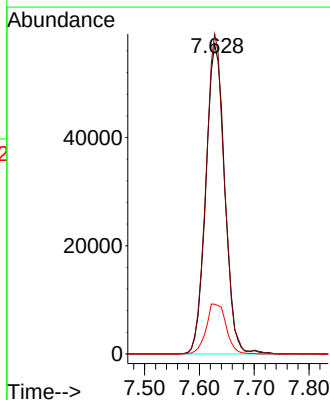
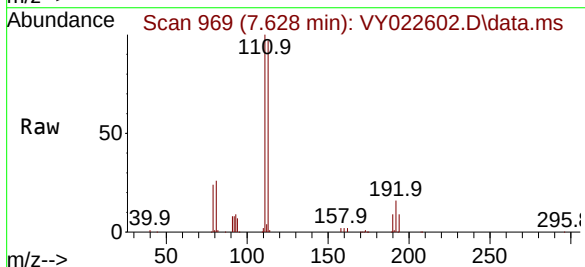
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

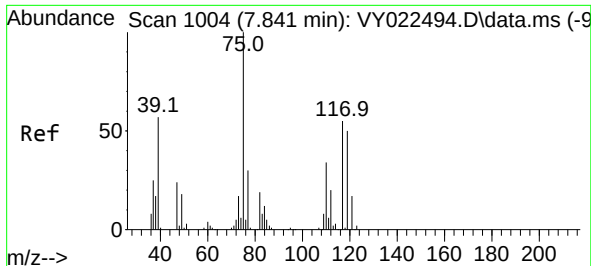
Tgt Ion:114 Resp: 507997
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 45.181 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion:113 Resp: 136994
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 17.1 14.2 21.2

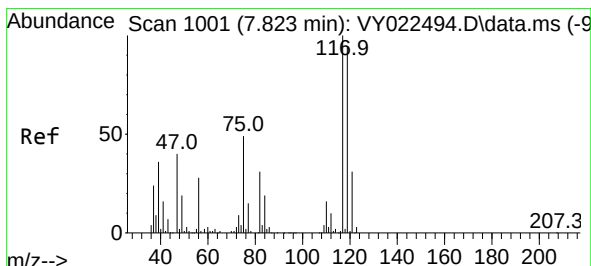
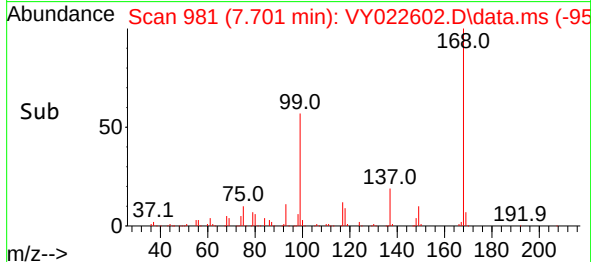
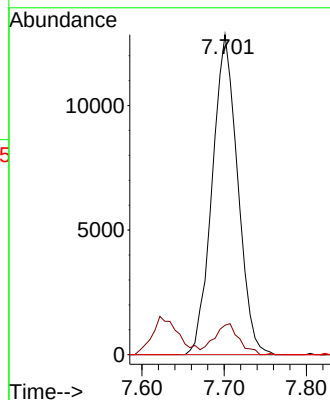
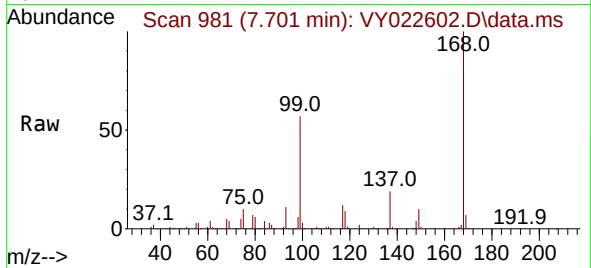




#36
1,1-Dichloropropene
Concen: 5.613 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

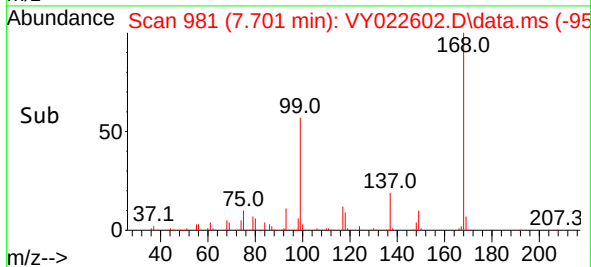
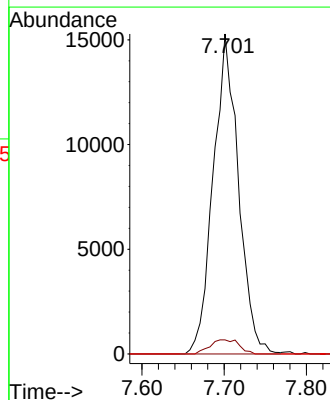
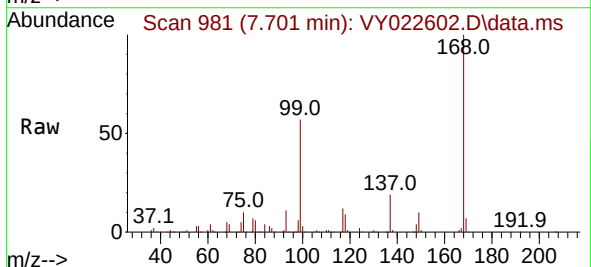
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

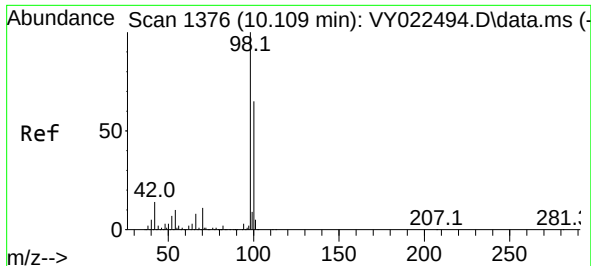
Tgt Ion: 75 Resp: 27623
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 117 Resp: 32580
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#

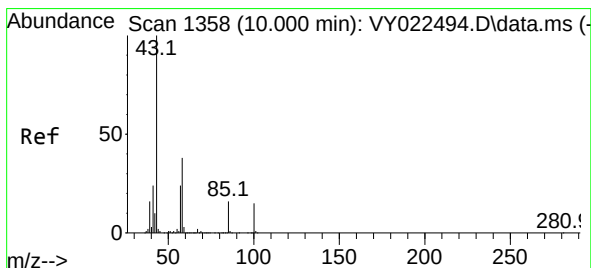
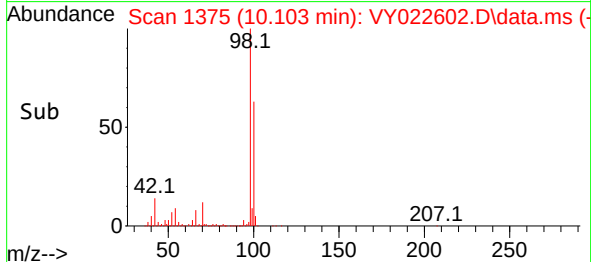
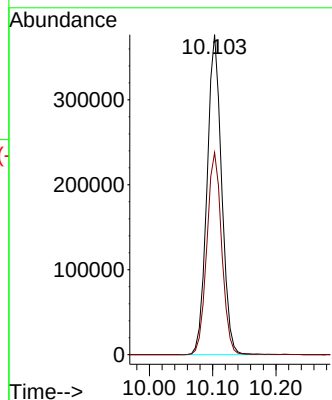
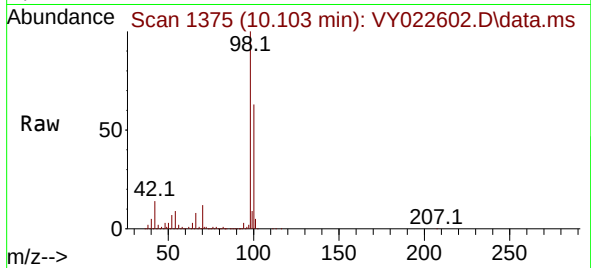




#50
Toluene-d8
Concen: 49.385 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

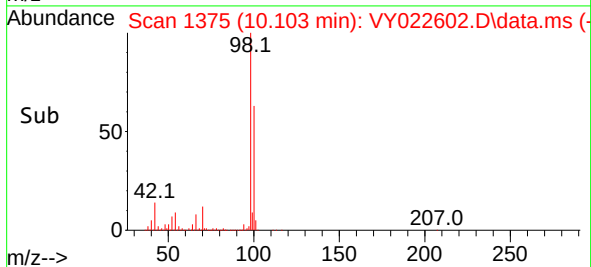
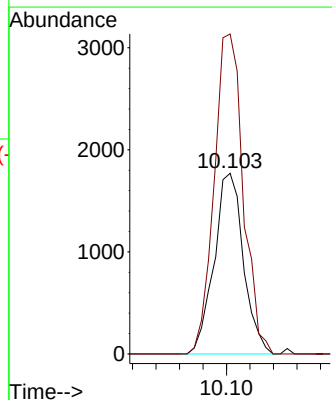
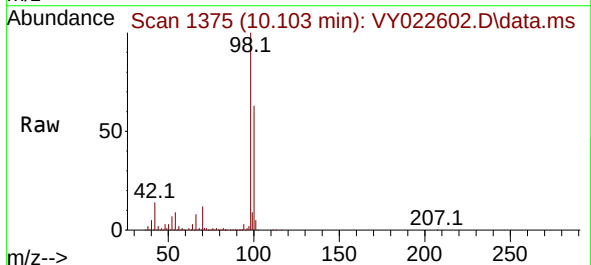
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

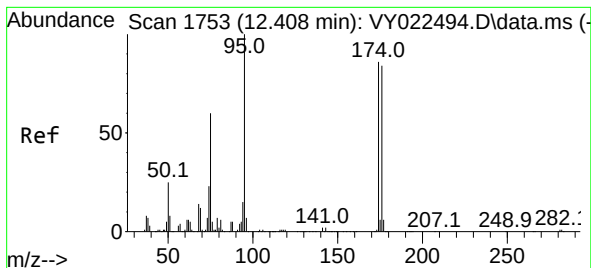
Tgt Ion: 98 Resp: 605050
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 43 Resp: 3062
Ion Ratio Lower Upper
43 100
58 175.7 30.4 45.6#

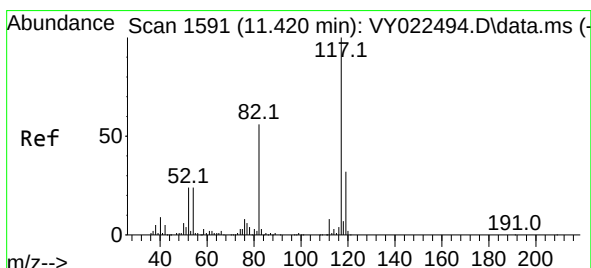
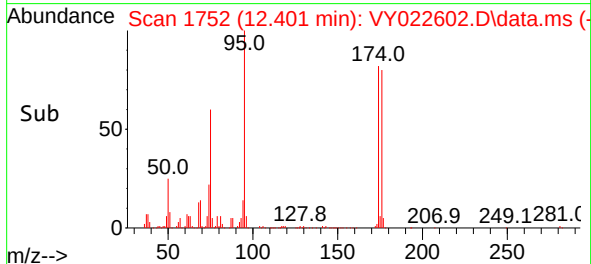
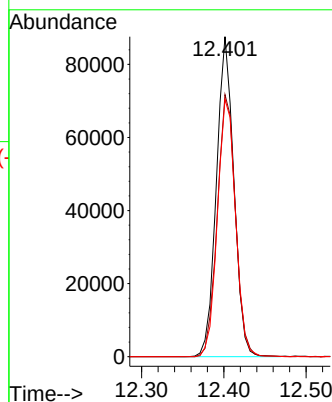
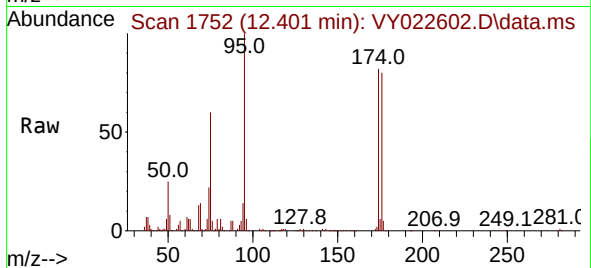




#62
4-Bromofluorobenzene
Concen: 35.400 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

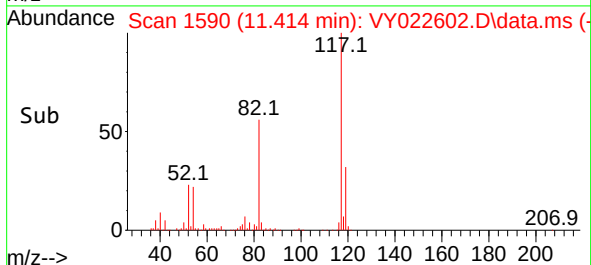
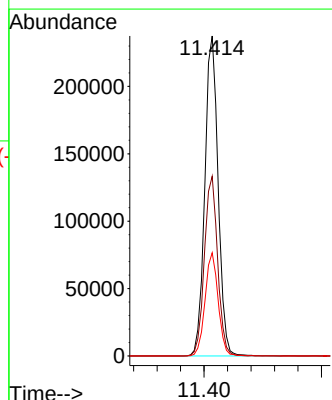
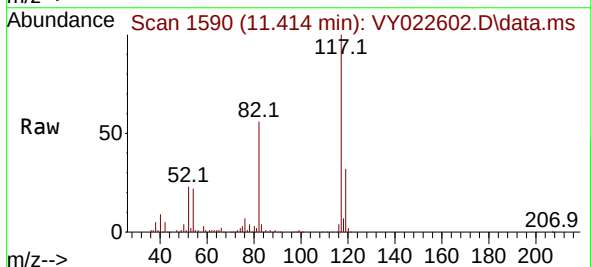
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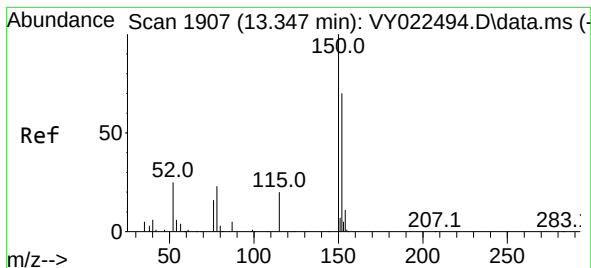
Tgt Ion: 95 Resp: 129224
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 83.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022602.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 117 Resp: 373349
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 32.3 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: VY022602.D

Acq: 06 Jun 2025 16:00

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-05

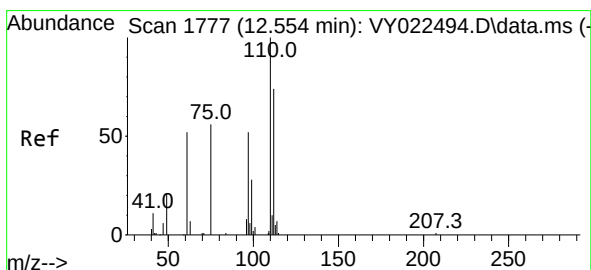
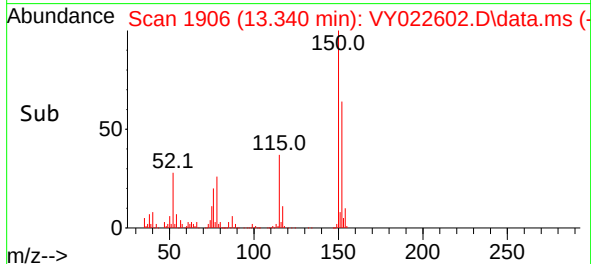
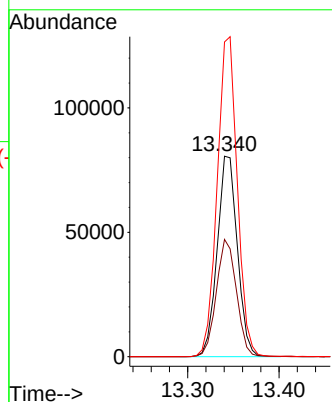
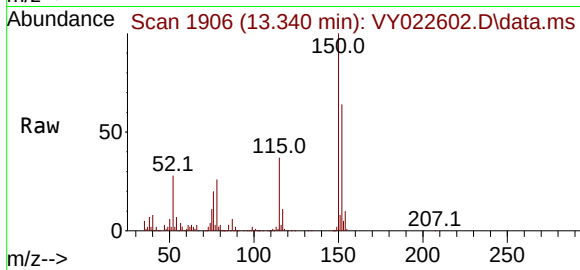
Tgt Ion:152 Resp: 123690

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 159.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.764 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022602.D

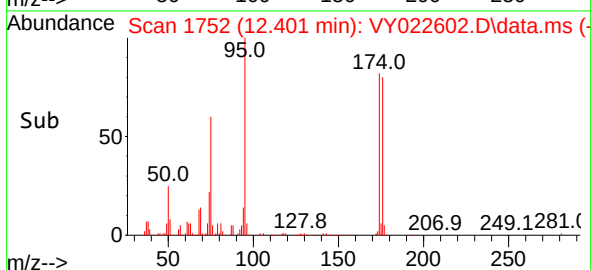
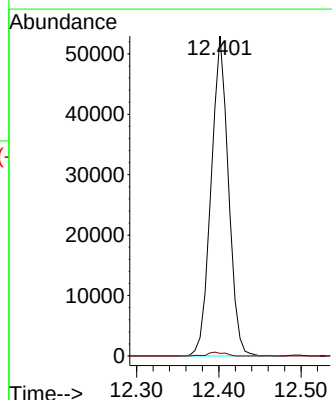
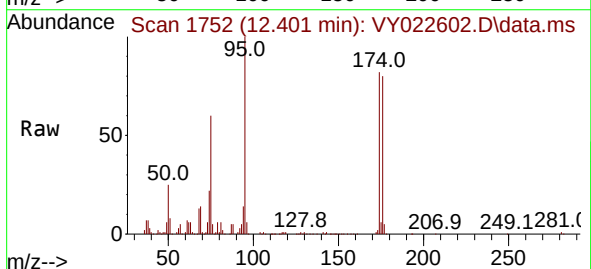
Acq: 06 Jun 2025 16:00

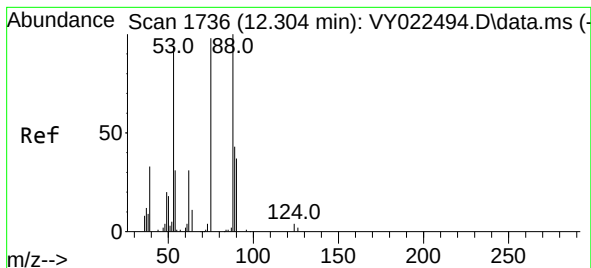
Tgt Ion: 75 Resp: 77494

Ion Ratio Lower Upper

75 100

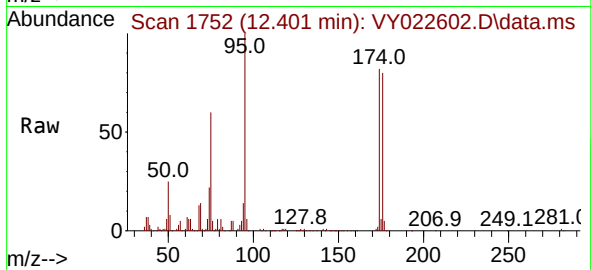
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.251 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022602.D
 Acq: 06 Jun 2025 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-05



Tgt Ion: 75 Resp: 77494
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

