

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022601.D
 Acq On : 06 Jun 2025 15:37
 Operator : SY/MD
 Sample : Q2207-29
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-04

Quant Time: Jun 06 23:44:32 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)

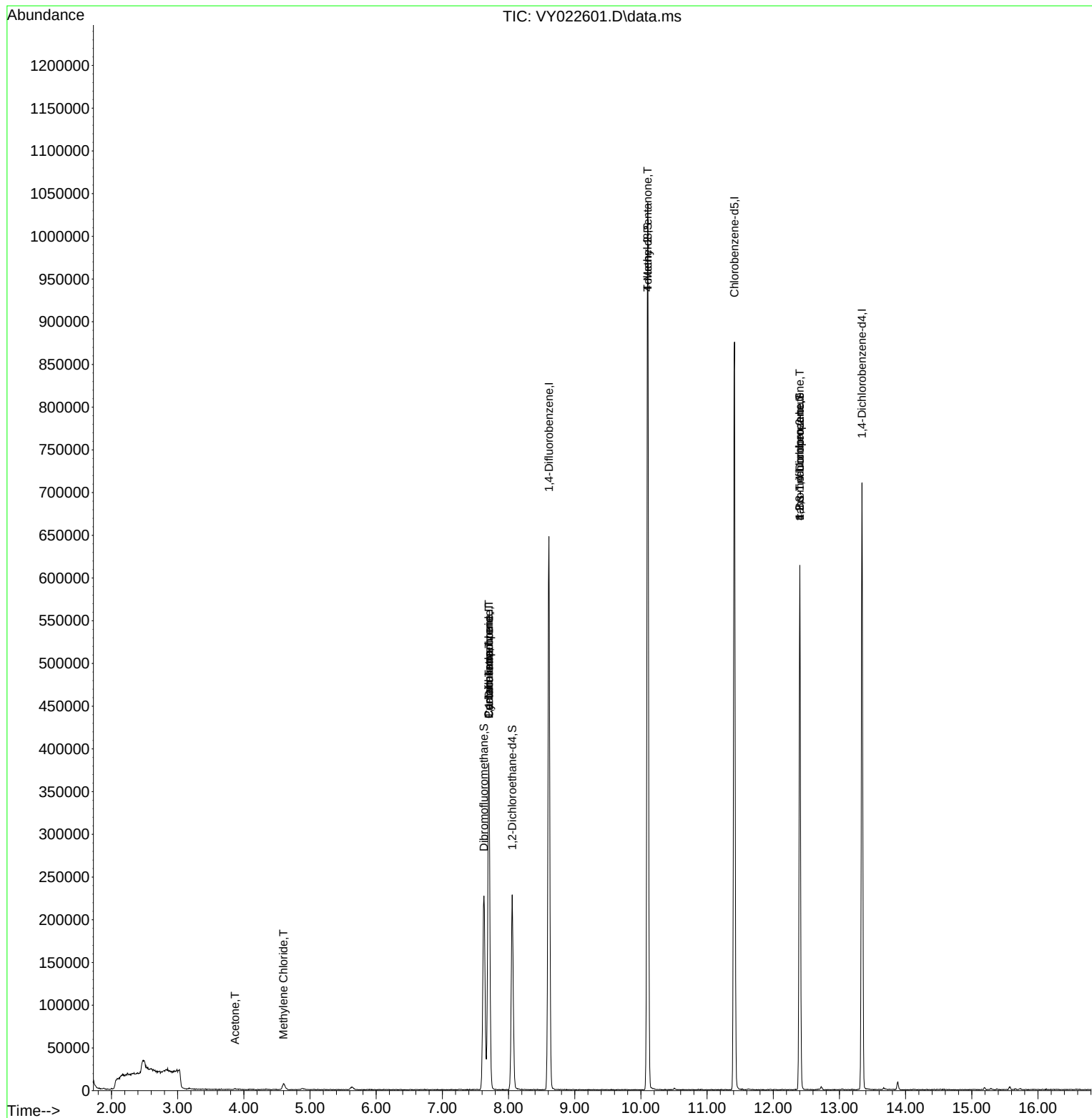
Internal Standards						
1) Pentafluorobenzene	7.701	168	279782	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	515304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	157112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	162358	51.885	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.760%	
35) Dibromofluoromethane	7.628	113	153160	49.796	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.600%	
50) Toluene-d8	10.103	98	635213	51.112	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.401	95	160187	43.260	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.520%	
Target Compounds						Qvalue
16) Acetone	3.866	43	1100	1.731	ug/l	94
20) Methylene Chloride	4.598	84	4338	1.202	ug/l	97
31) Cyclohexane	7.701	56	7947	1.322	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	26074	5.223	ug/l #	50
38) Carbon Tetrachloride	7.701	117	29317	5.725	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	3526	1.471	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	96774	53.841	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	96774	130.022	ug/l #	10

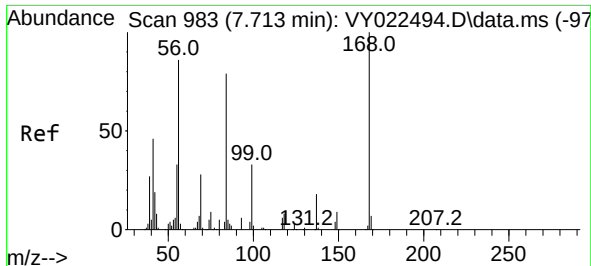
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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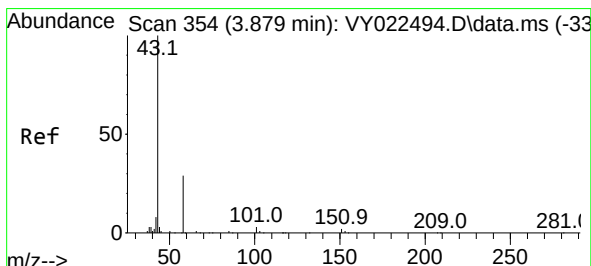
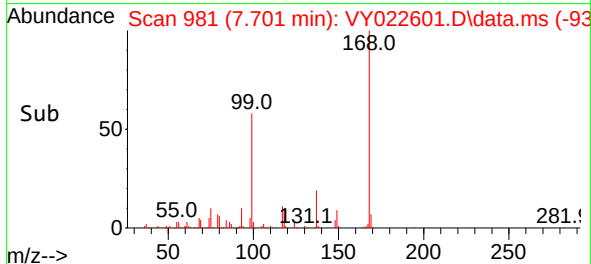
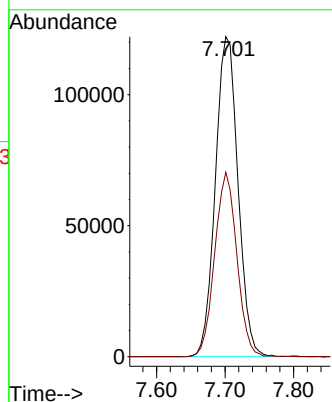
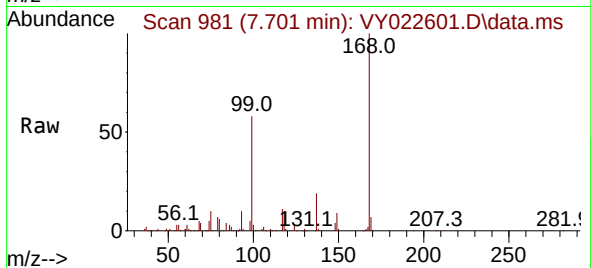




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

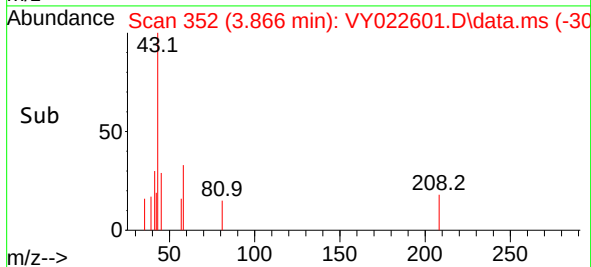
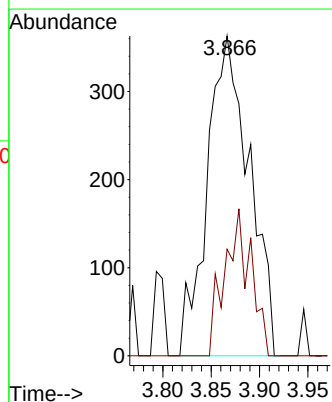
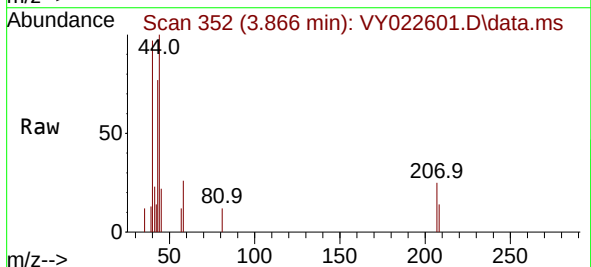
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

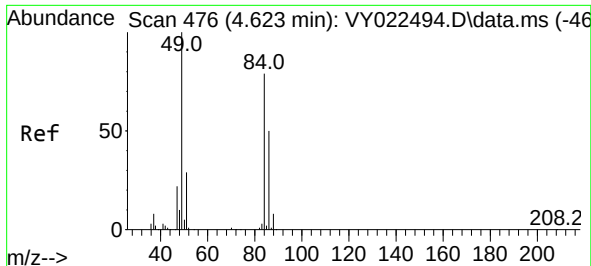
Tgt Ion:168 Resp: 279782
Ion Ratio Lower Upper
168 100
99 57.6 44.3 66.5



#16
Acetone
Concen: 1.731 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0

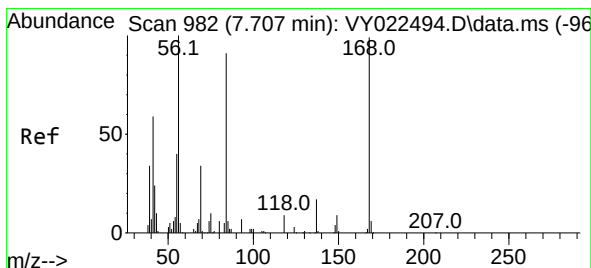
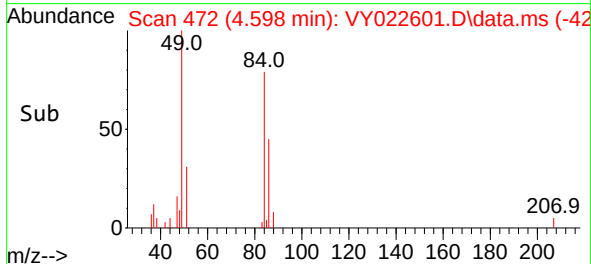
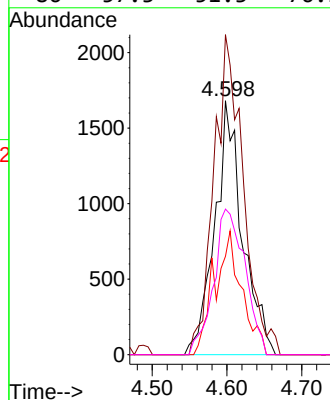
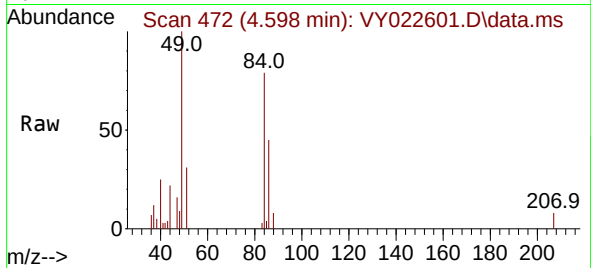




#20
Methylene Chloride
Concen: 1.202 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.025 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

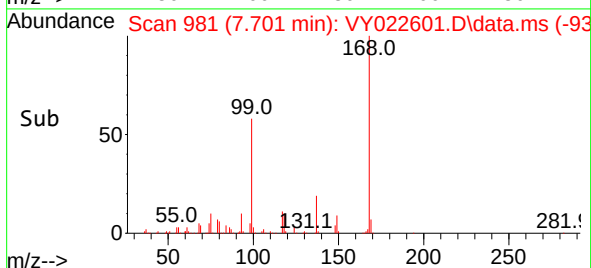
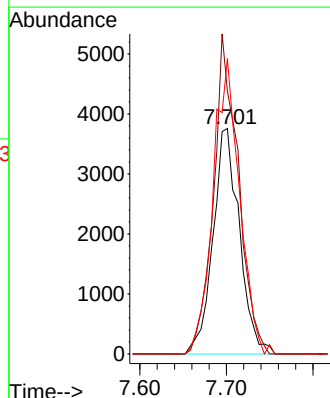
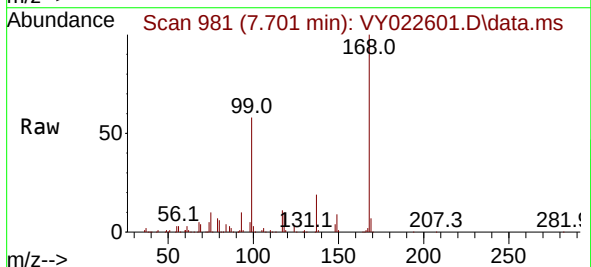
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

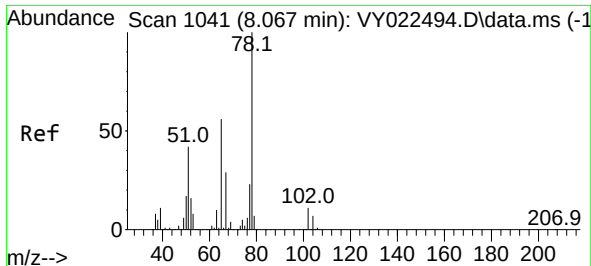
Tgt Ion:	84	Resp:	4338
Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.9	152.9
51	38.7	29.8	44.8
86	57.3	51.3	76.9



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion:	56	Resp:	7947
Ion	Ratio	Lower	Upper
56	100		
69	116.6	27.0	40.6#
84	131.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.885 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

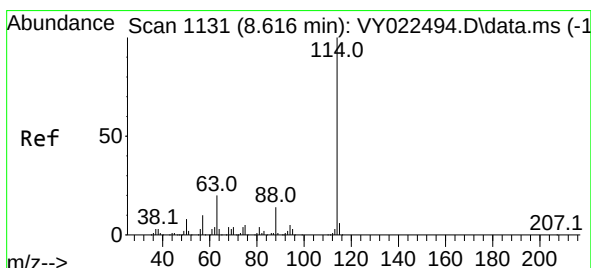
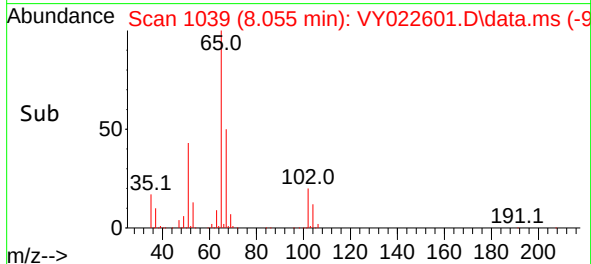
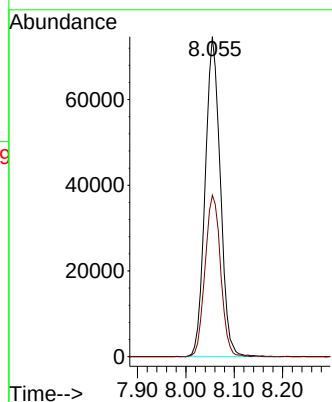
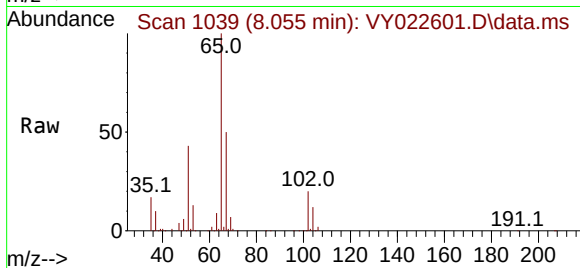
BU-703-VOC-04

Tgt Ion: 65 Resp: 162358

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022601.D

Acq: 06 Jun 2025 15:37

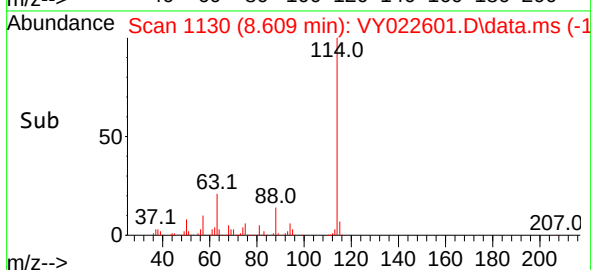
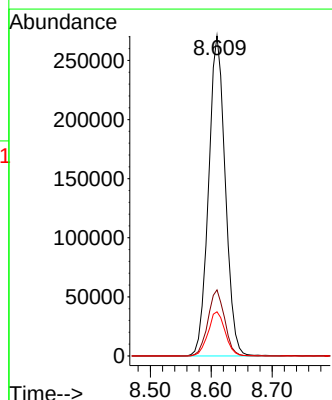
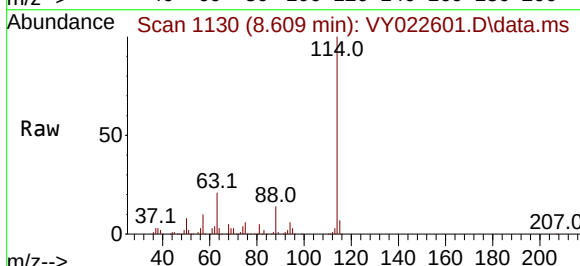
Tgt Ion: 114 Resp: 515304

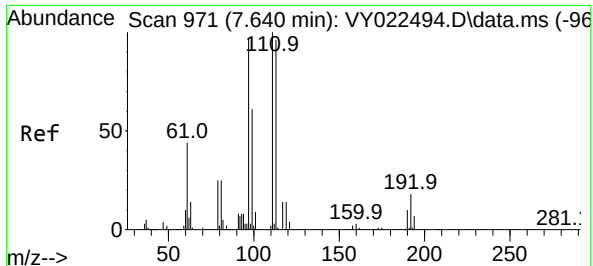
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 13.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.796 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY022601.D

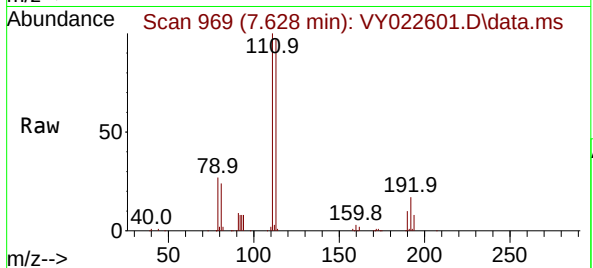
Acq: 06 Jun 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-04



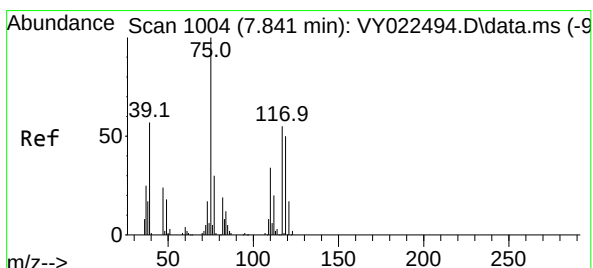
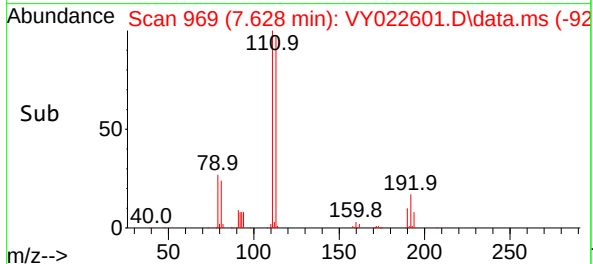
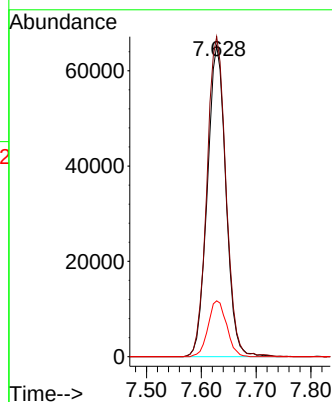
Tgt Ion:113 Resp: 153160

Ion Ratio Lower Upper

113 100

111 105.4 81.1 121.7

192 17.9 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

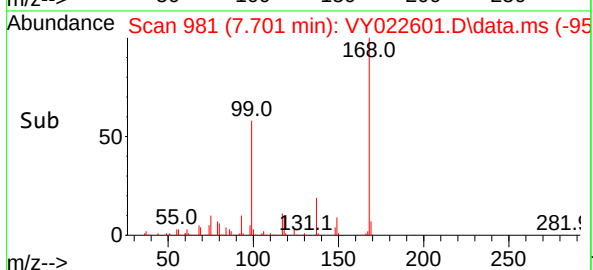
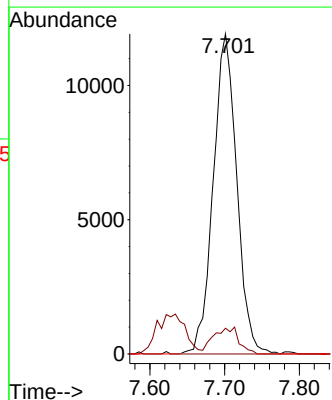
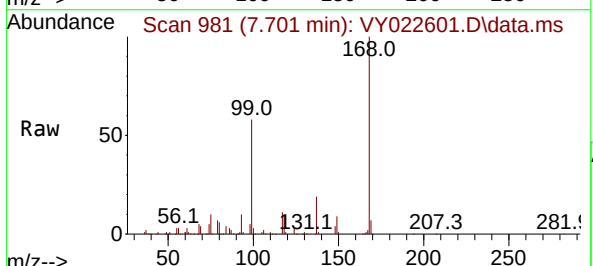
Tgt Ion: 75 Resp: 26074

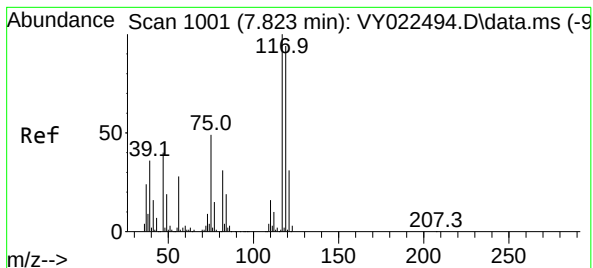
Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022601.D

Acq: 06 Jun 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-04

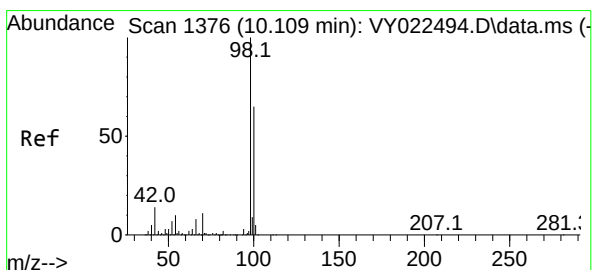
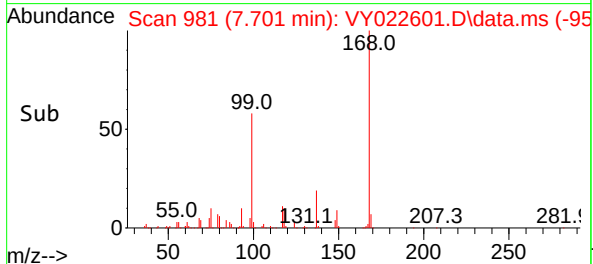
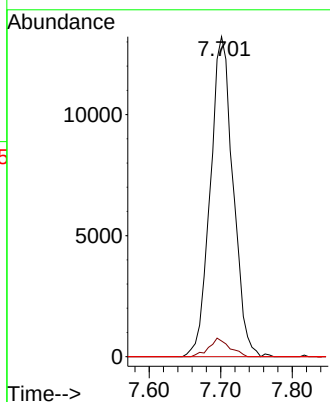
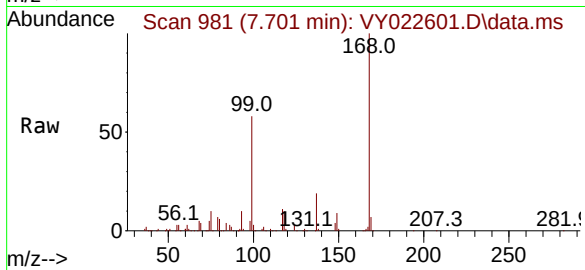
Tgt Ion:117 Resp: 29317

Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.112 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022601.D

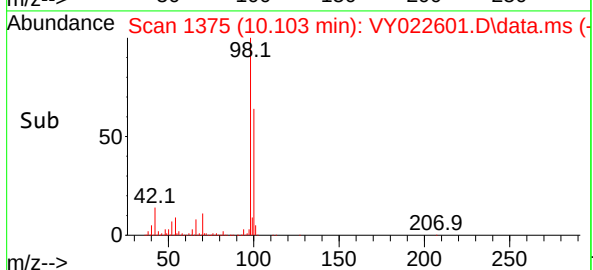
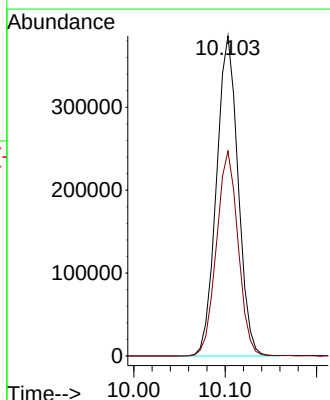
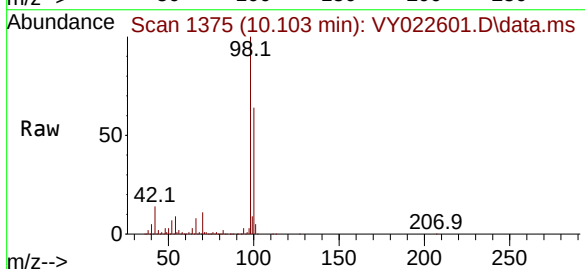
Acq: 06 Jun 2025 15:37

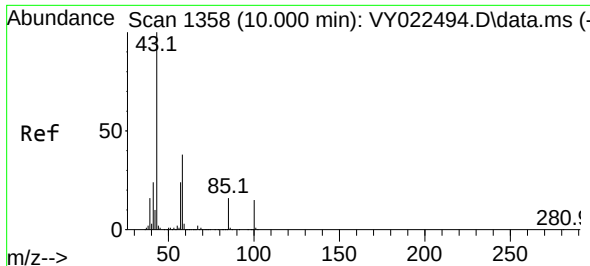
Tgt Ion: 98 Resp: 635213

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

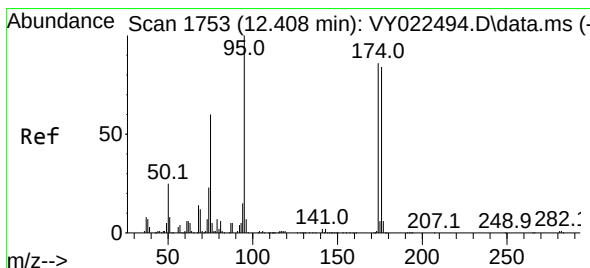
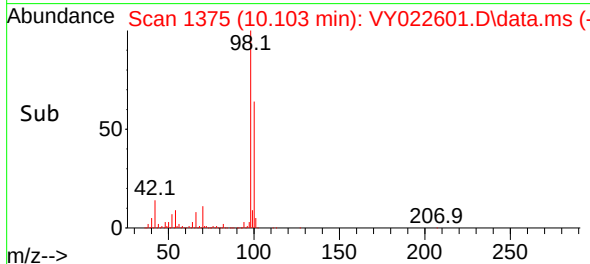
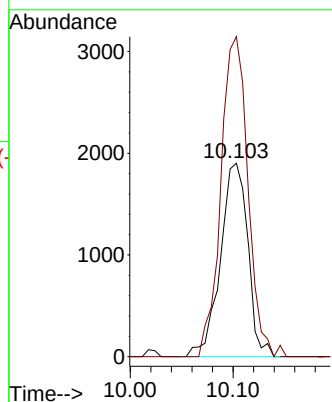
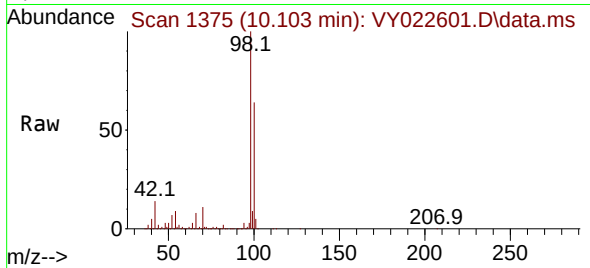




#51
4-Methyl-2-Pentanone
Concen: 1.471 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

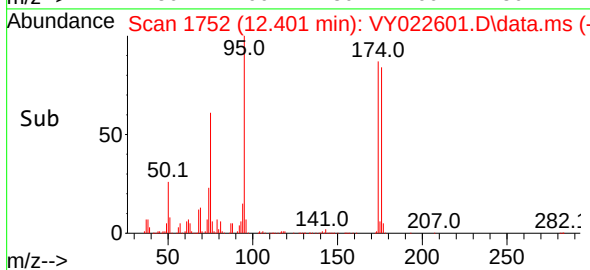
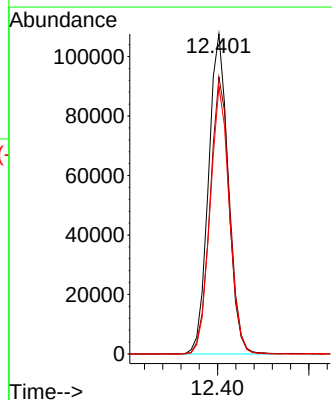
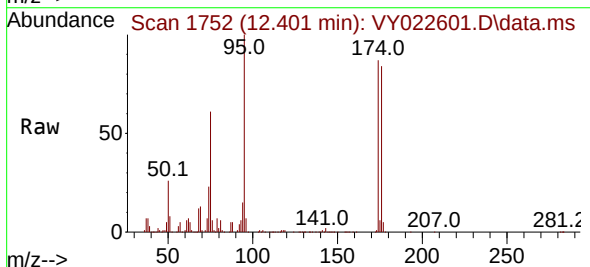
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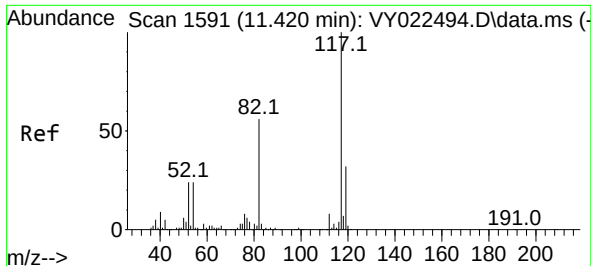
Tgt Ion: 43 Resp: 3526
Ion Ratio Lower Upper
43 100
58 163.4 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 43.260 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion: 95 Resp: 160187
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 81.8 0.0 166.2

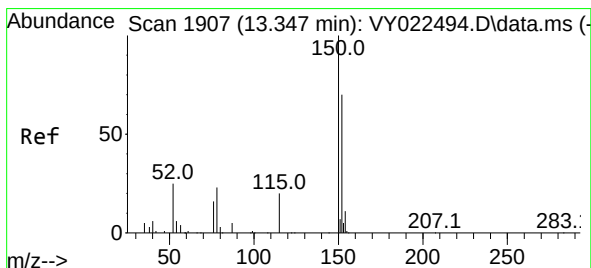
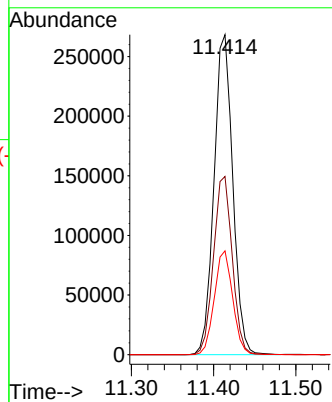
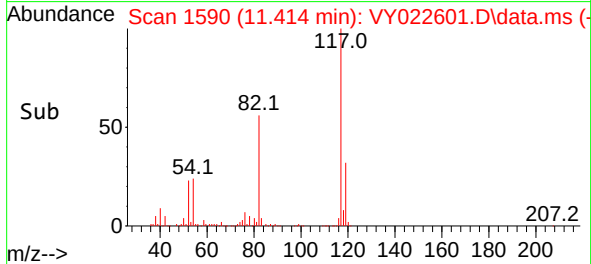
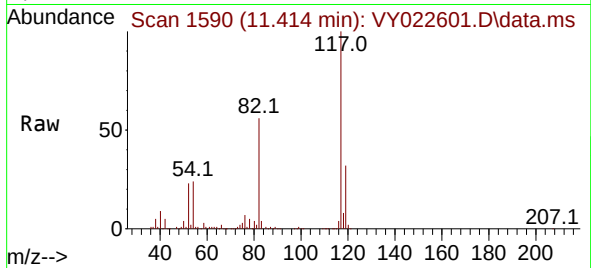




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

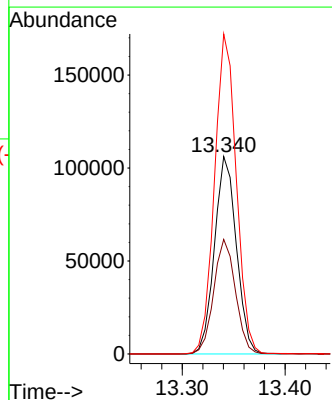
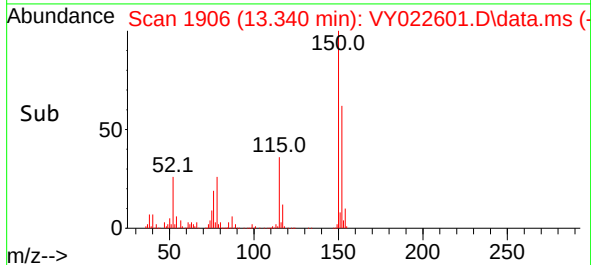
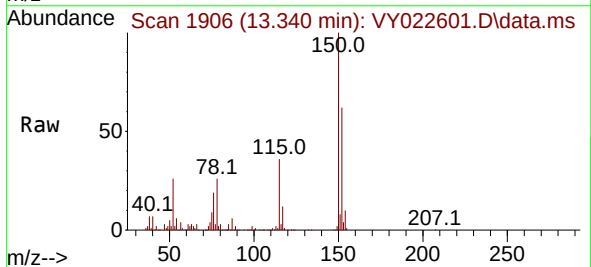
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

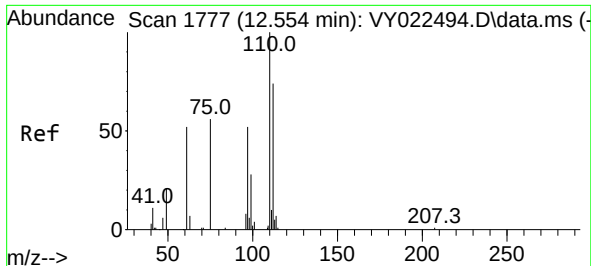
Tgt Ion:117 Resp: 426341
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion:152 Resp: 157112
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 161.1 0.0 349.6

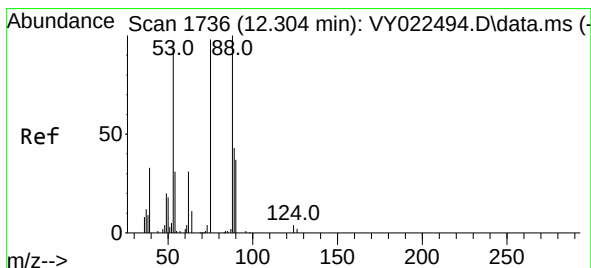
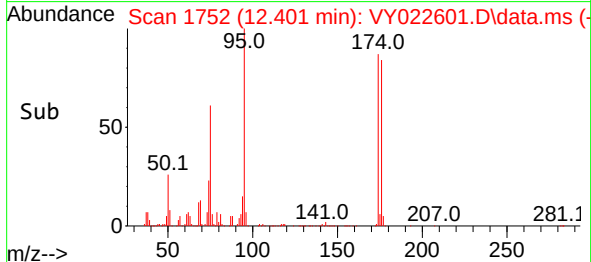
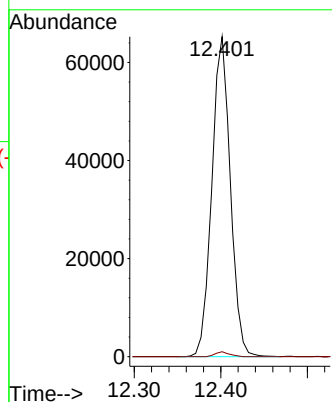
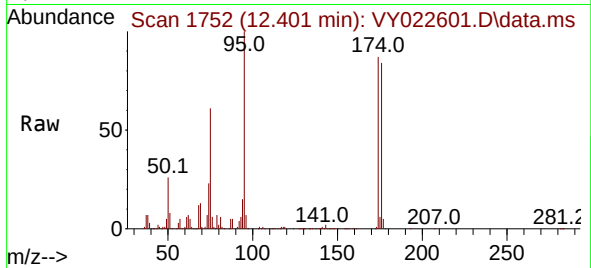




#76
1,2,3-Trichloropropane
Concen: 53.841 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-04

Tgt Ion: 75 Resp: 96774
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.022 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022601.D
Acq: 06 Jun 2025 15:37

Tgt Ion: 75 Resp: 96774
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

