

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022580.D
 Acq On : 05 Jun 2025 17:30
 Operator : SY/MD
 Sample : Q2207-38
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 06 01:27:46 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)

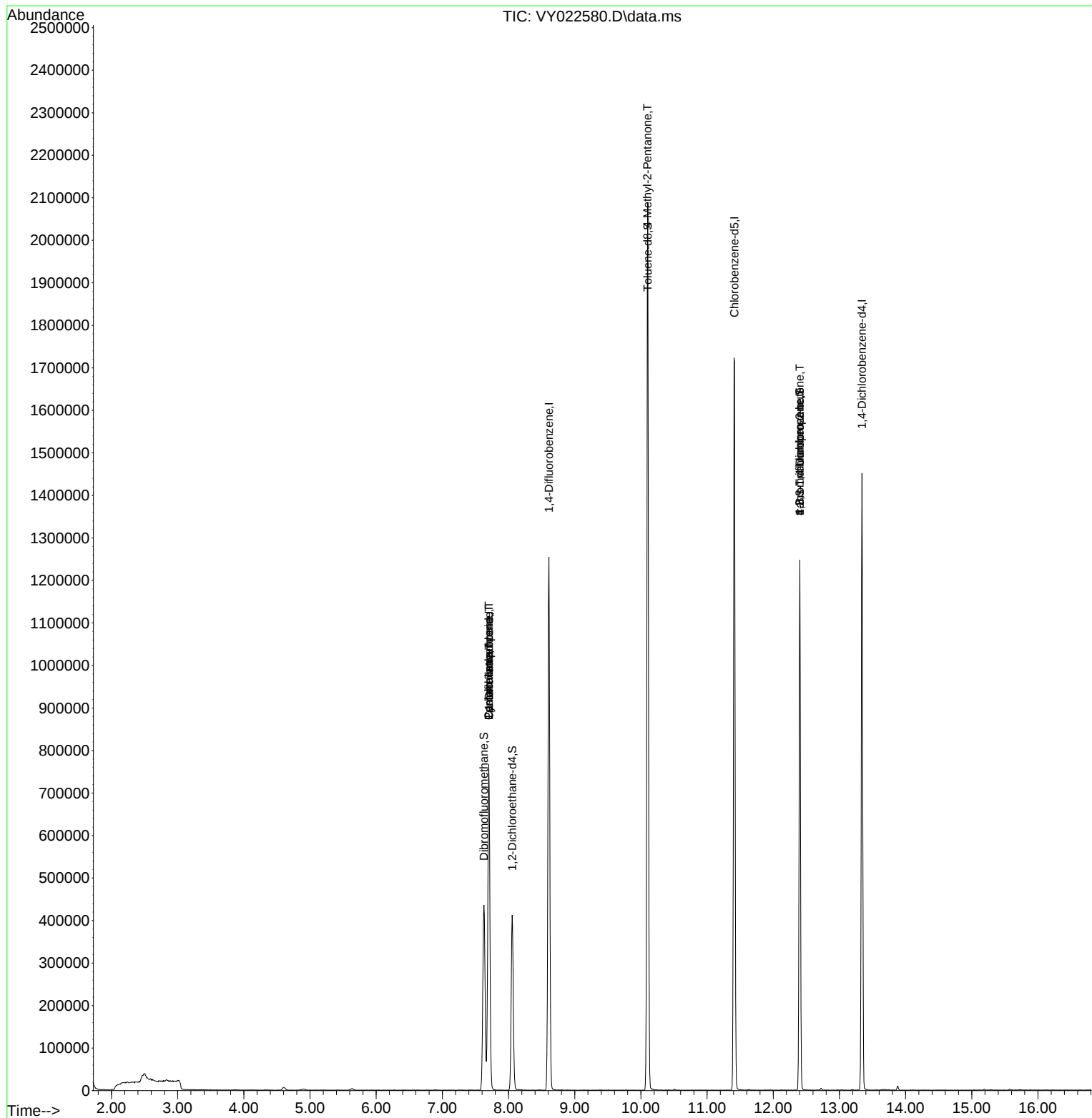
Internal Standards						
1) Pentafluorobenzene	7.701	168	551043	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	1010556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	838166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	323120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	304704	49.440	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.880%
35) Dibromofluoromethane	7.628	113	302186	50.099	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.200%
50) Toluene-d8	10.103	98	1258556	51.639	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.280%
62) 4-Bromofluorobenzene	12.401	95	318622	43.877	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.760%
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	15045	1.270	ug/l #	32
36) 1,1-Dichloropropene	7.701	75	49995	5.107	ug/l #	51
38) Carbon Tetrachloride	7.701	117	56603	5.636	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	6167	1.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	191117	51.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	191117	124.854	ug/l #	10

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

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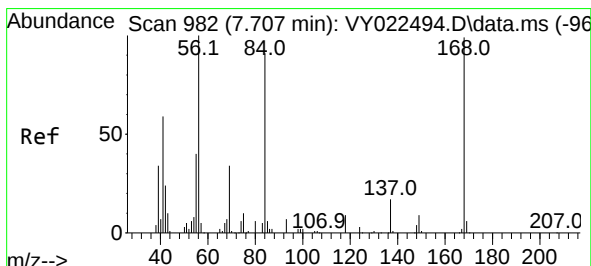
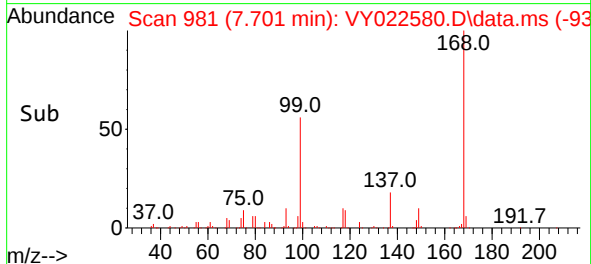
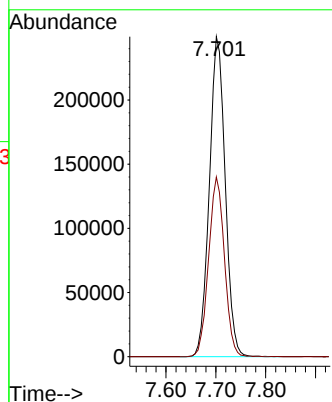
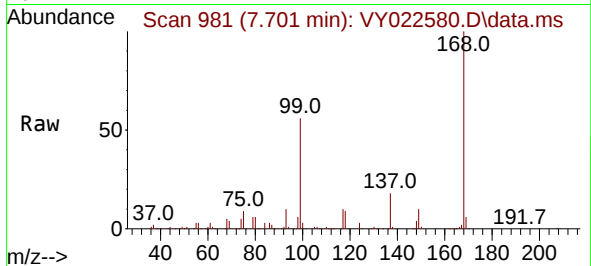




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

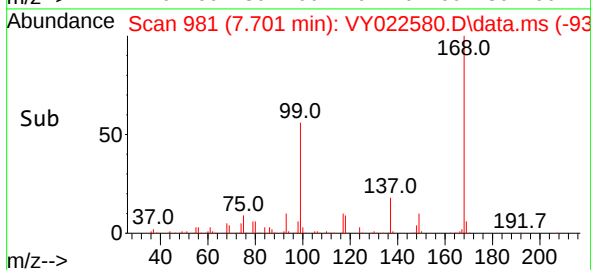
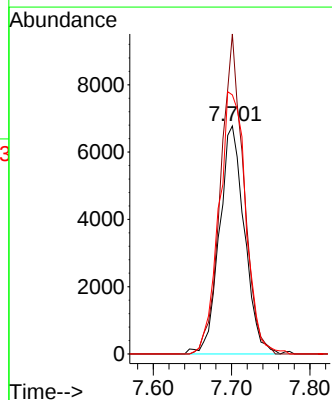
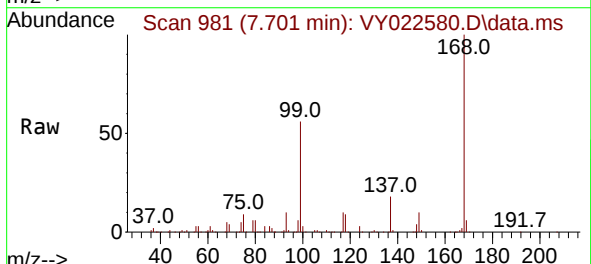
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

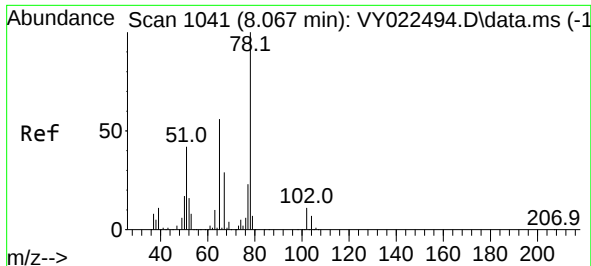
Tgt Ion:168 Resp: 551043
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 56 Resp: 15045
Ion Ratio Lower Upper
56 100
69 140.3 27.0 40.6#
84 113.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 49.440 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022580.D

Acq: 05 Jun 2025 17:30

Instrument :

MSVOA_Y

ClientSampleId :

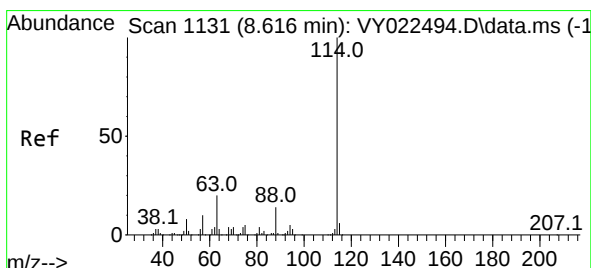
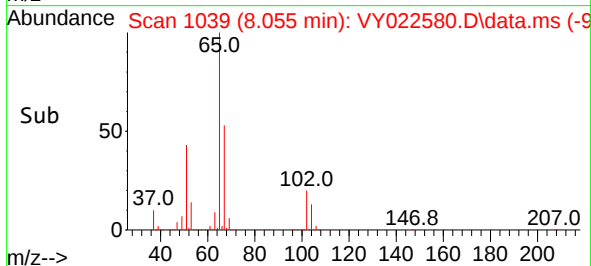
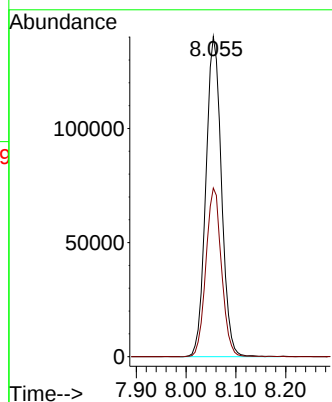
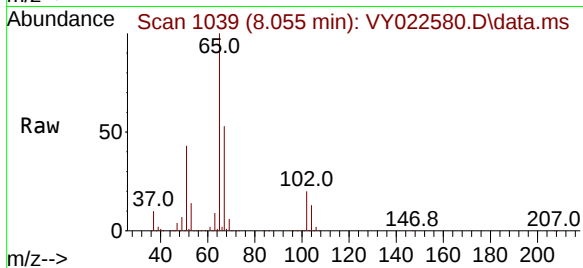
BU-703-VOC-05

Tgt Ion: 65 Resp: 304704

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# 1130

Delta R.T. -0.006 min

Lab File: VY022580.D

Acq: 05 Jun 2025 17:30

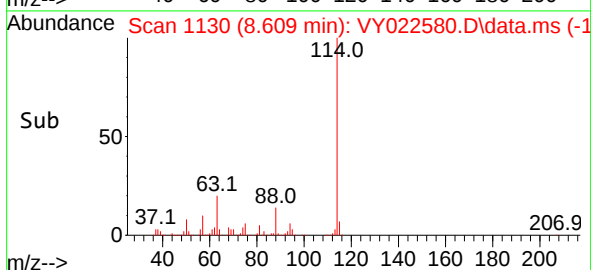
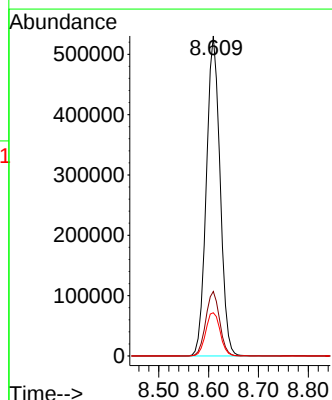
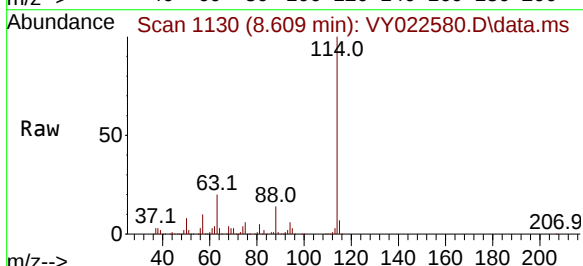
Tgt Ion: 114 Resp: 1010556

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 13.5 0.0 27.8

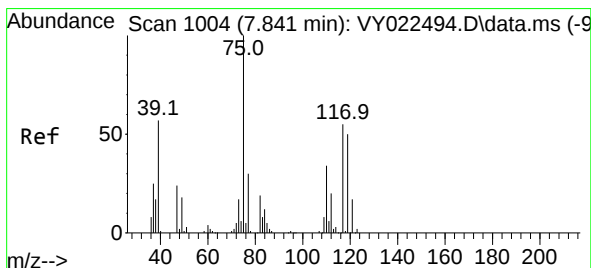
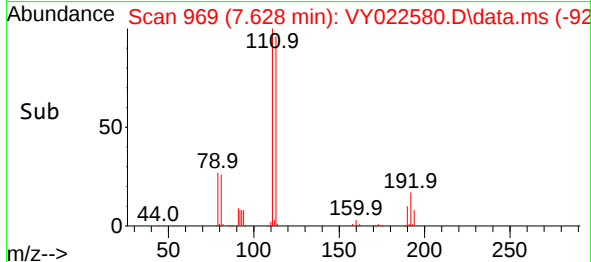
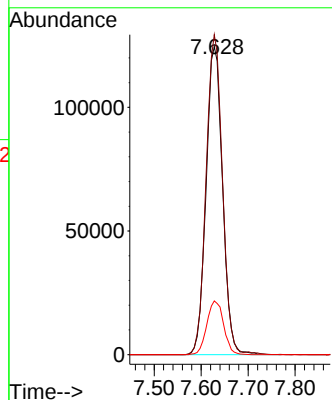
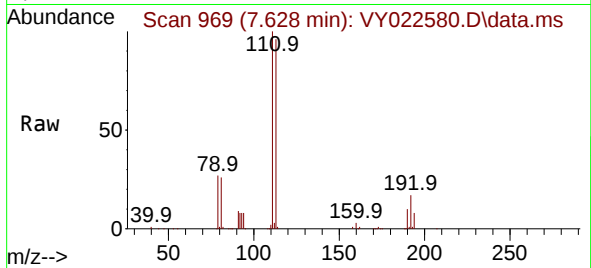




#35
Dibromofluoromethane
Concen: 50.099 ug/l
RT: 7.628 min Scan# 901
Delta R.T. -0.012 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

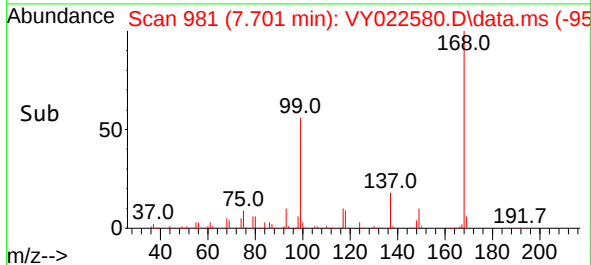
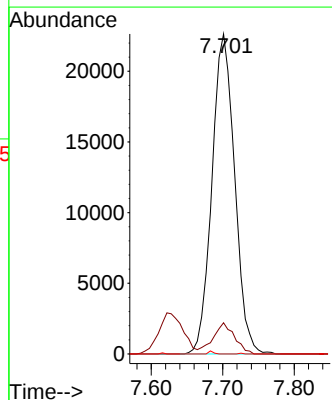
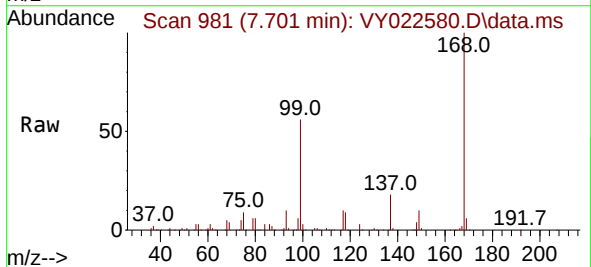
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

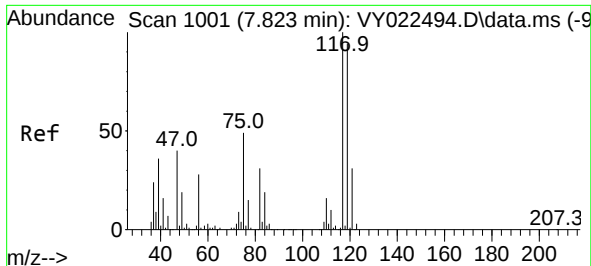
Tgt Ion:113 Resp: 302186
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 17.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 75 Resp: 49995
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.2 24.8 37.2#

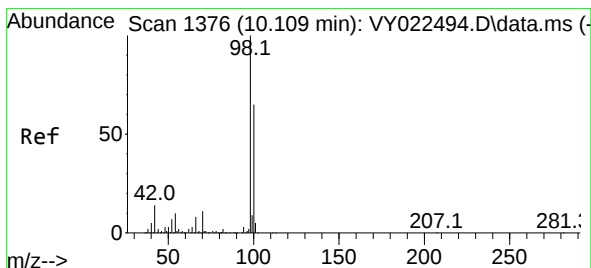
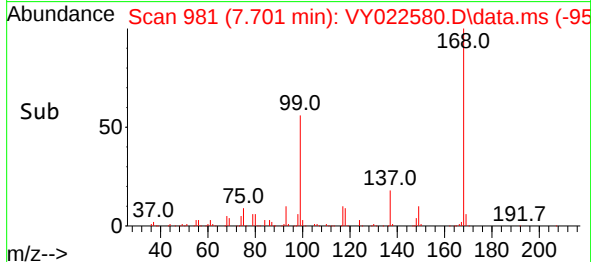
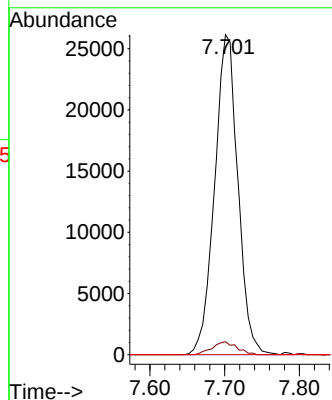
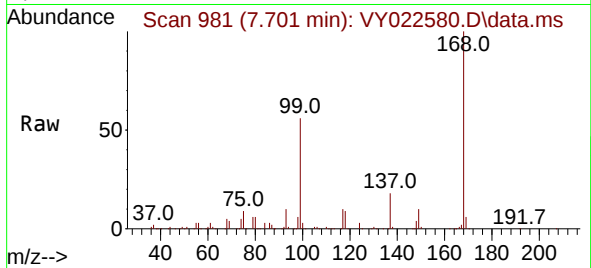




#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

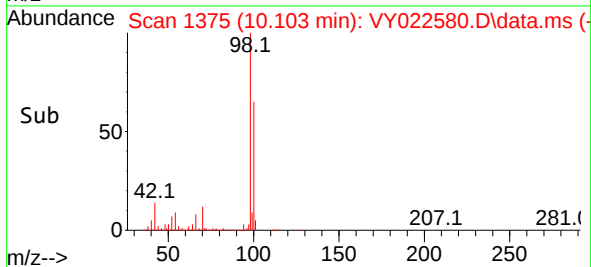
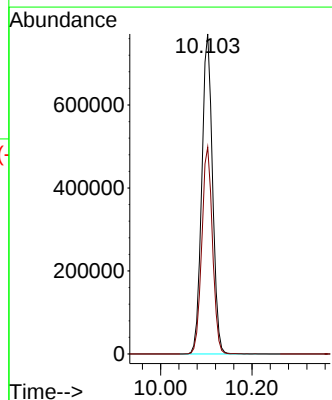
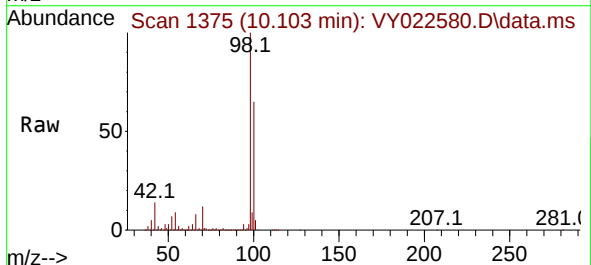
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-05

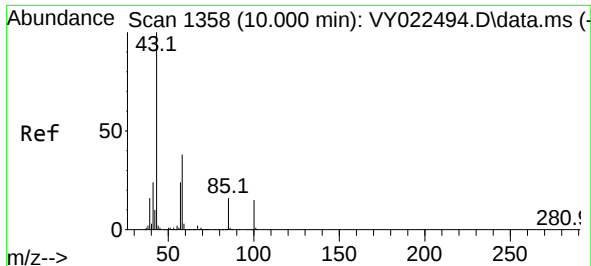
Tgt Ion:117 Resp: 56603
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.639 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 98 Resp: 1258556
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

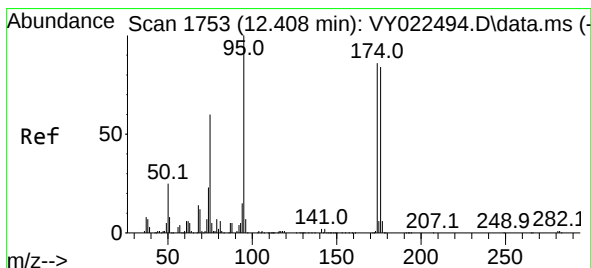
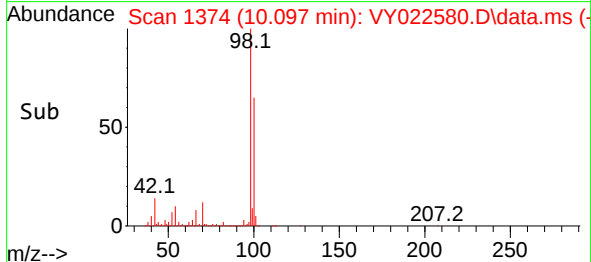
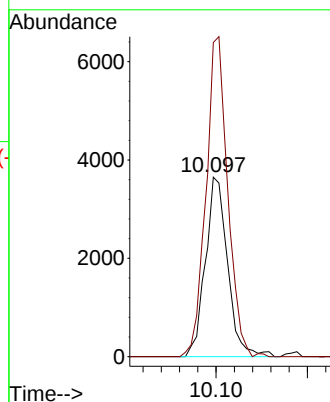
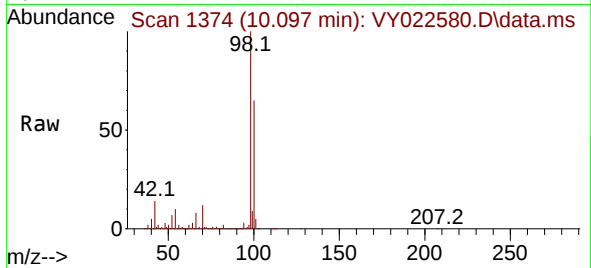




#51
4-Methyl-2-Pentanone
Concen: 1.312 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

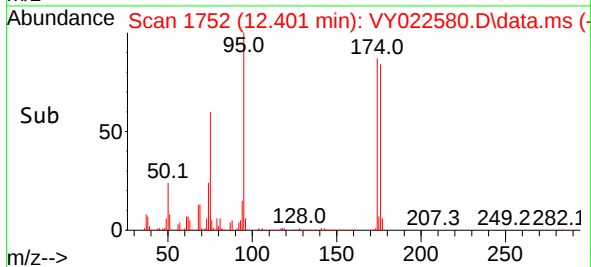
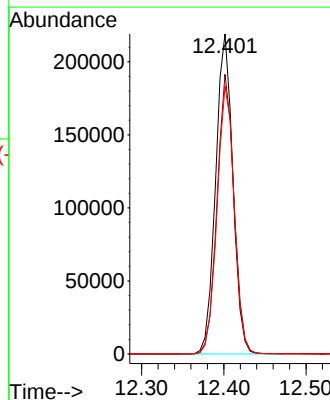
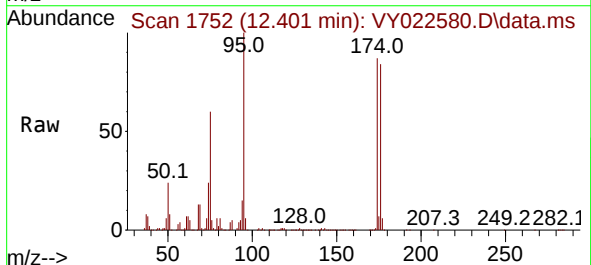
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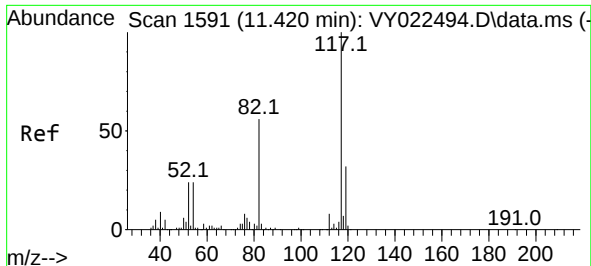
Tgt Ion: 43 Resp: 6167
Ion Ratio Lower Upper
43 100
58 174.5 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 43.877 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 95 Resp: 318622
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.6 0.0 166.2

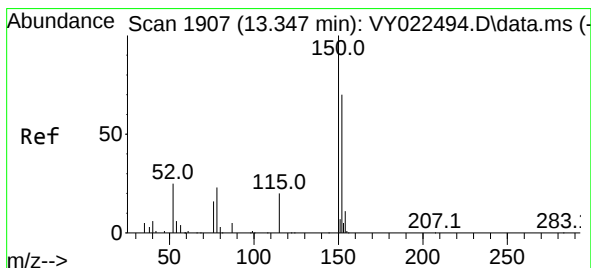
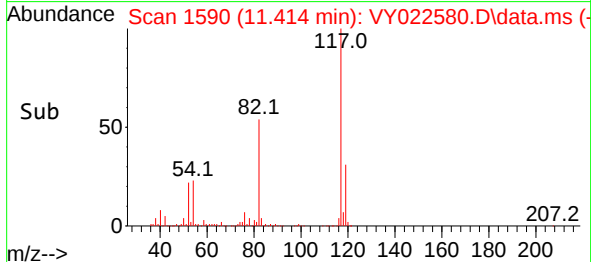
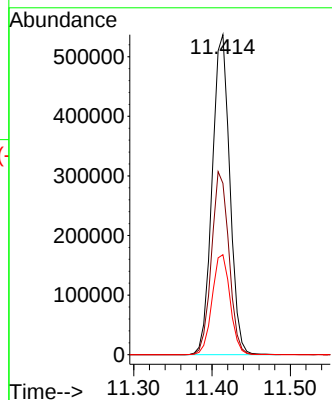
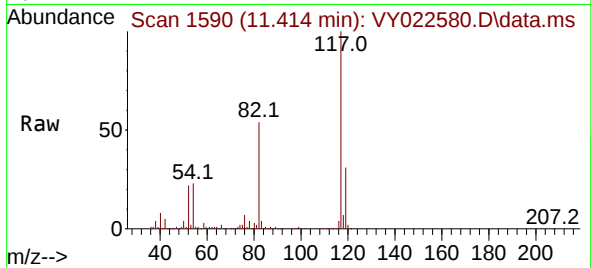




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

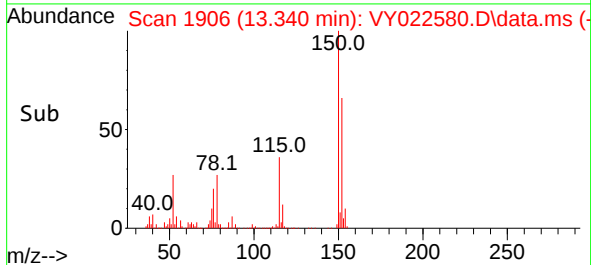
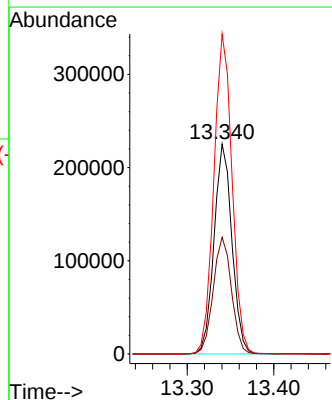
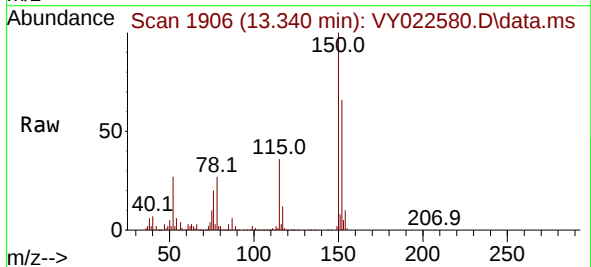
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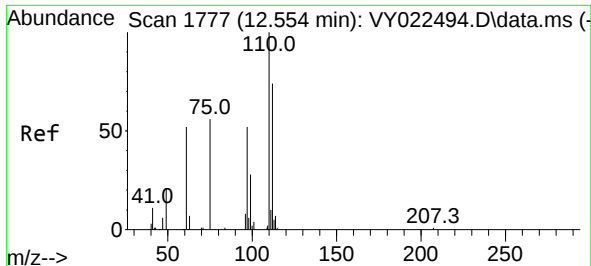
Tgt Ion:117 Resp: 838166
Ion Ratio Lower Upper
117 100
82 53.5 44.6 66.8
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion:152 Resp: 323120
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 154.9 0.0 349.6

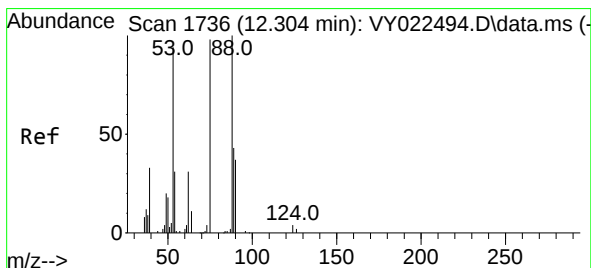
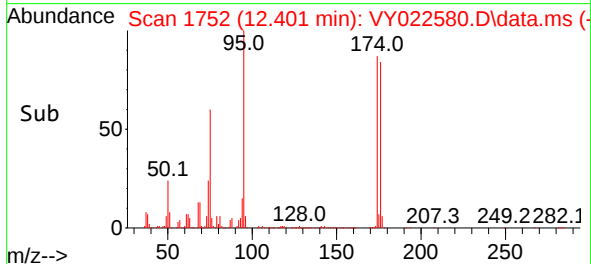
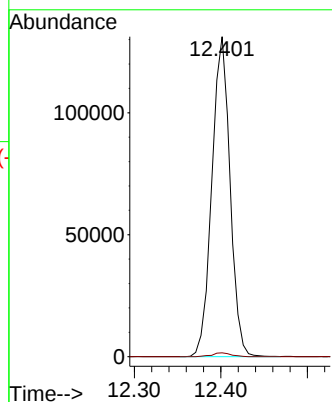
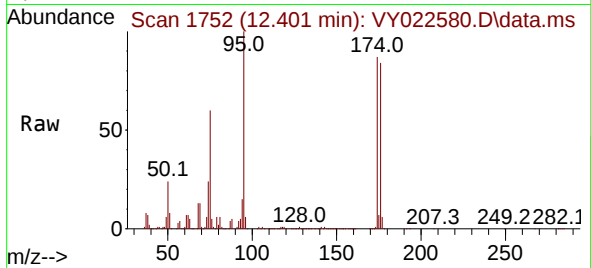




#76
1,2,3-Trichloropropane
Concen: 51.701 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

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

Tgt Ion: 75 Resp: 191117
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.854 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022580.D
Acq: 05 Jun 2025 17:30

Tgt Ion: 75 Resp: 191117
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

