

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022598.D
 Acq On : 06 Jun 2025 14:25
 Operator : SY/MD
 Sample : Q2207-02
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01

Quant Time: Jun 06 23:43:20 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)

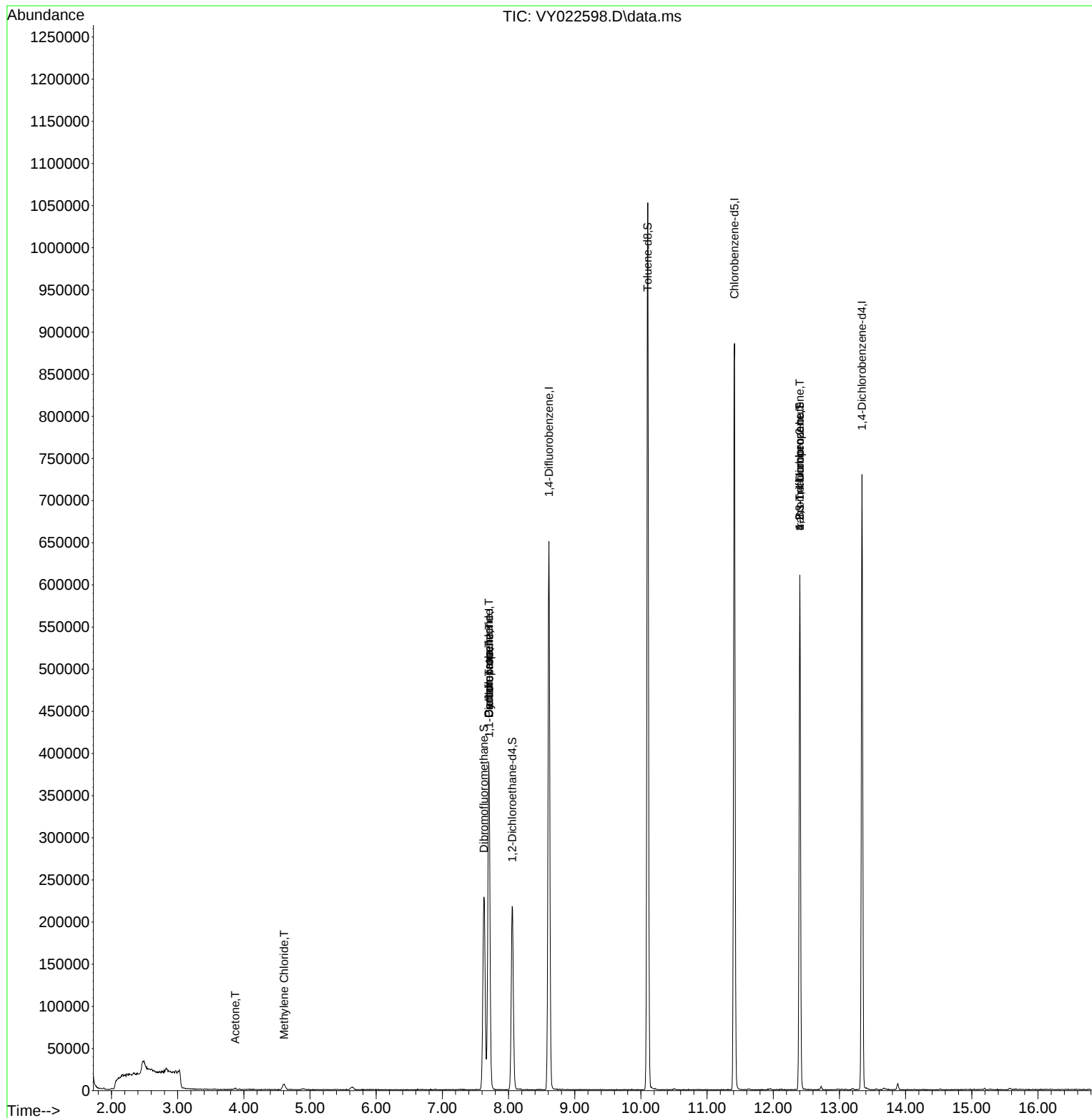
Internal Standards						
1) Pentafluorobenzene	7.701	168	287554	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	522331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	435877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	165479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165813	51.557	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.120%	
35) Dibromofluoromethane	7.628	113	160421	51.455	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.103	98	643024	51.044	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.402	95	162161	43.204	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.400%	
Target Compounds						Qvalue
16) Acetone	3.873	43	1598	2.447	ug/l #	80
20) Methylene Chloride	4.610	84	4555	1.228	ug/l #	74
31) Cyclohexane	7.701	56	8125	1.315	ug/l #	45
36) 1,1-Dichloropropene	7.707	75	24975	4.936	ug/l #	42
38) Carbon Tetrachloride	7.701	117	29589	5.700	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	97513	51.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	97513	124.390	ug/l #	10

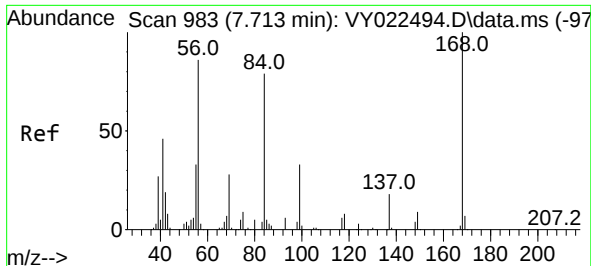
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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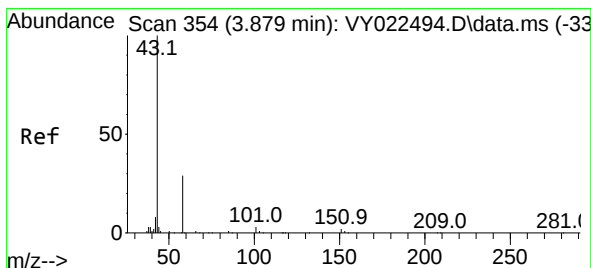
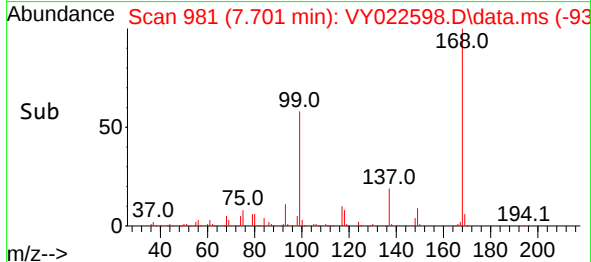
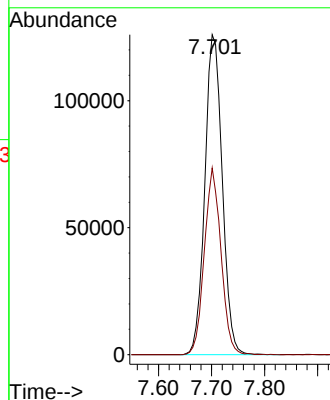
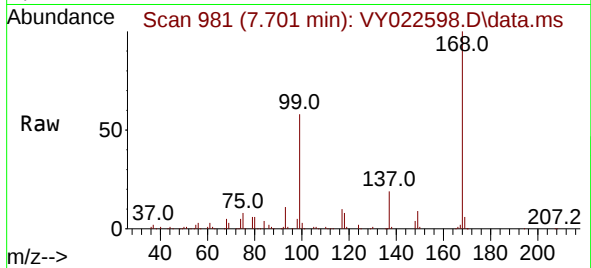




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

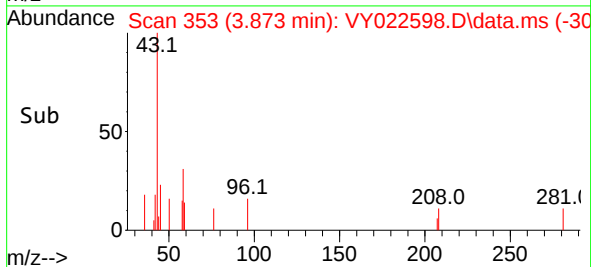
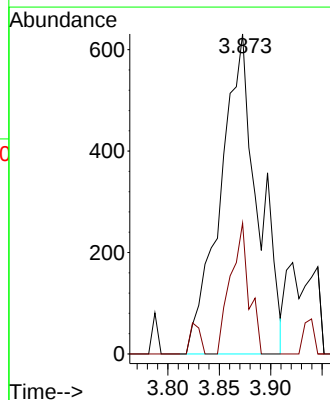
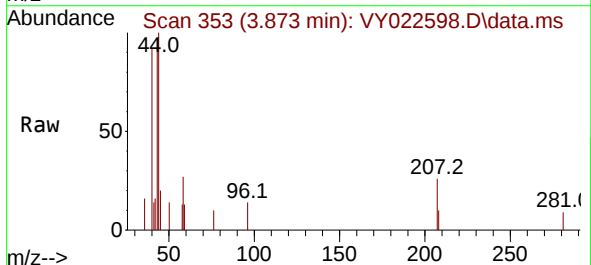
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-01

Tgt Ion:168 Resp: 287554
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#16
Acetone
Concen: 2.447 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

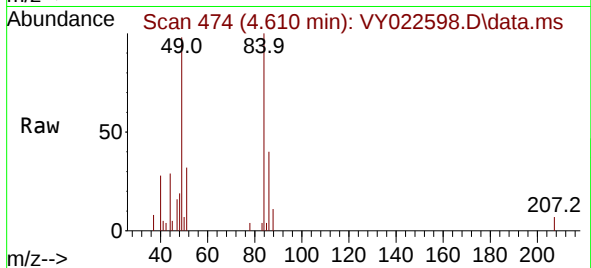
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
58 40.9 24.0 36.0#



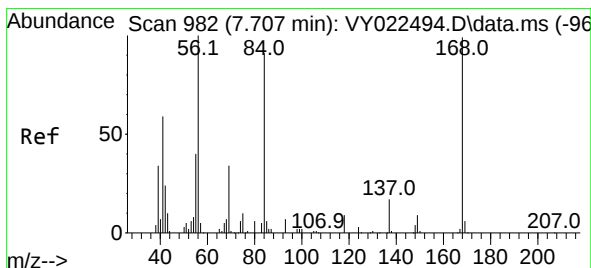
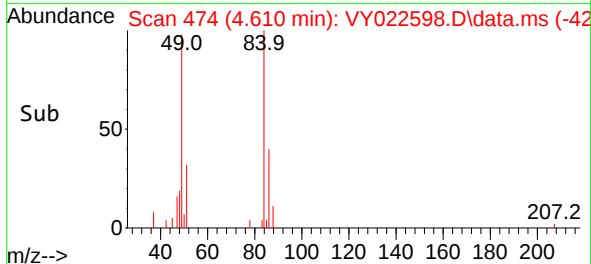
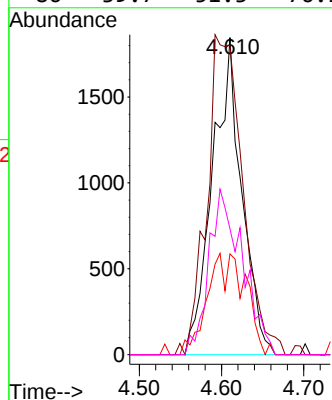


#20
Methylene Chloride
Concen: 1.228 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-01

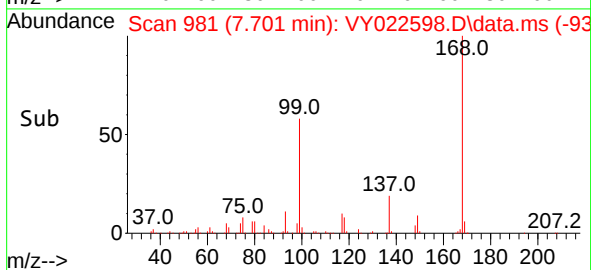
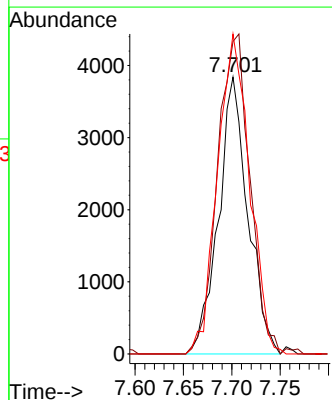
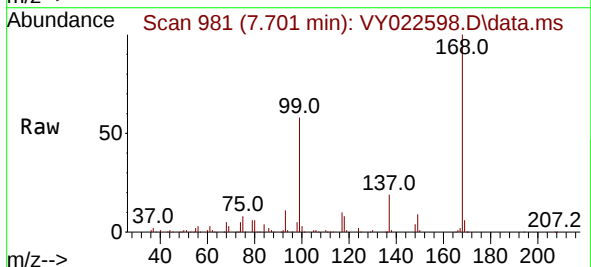


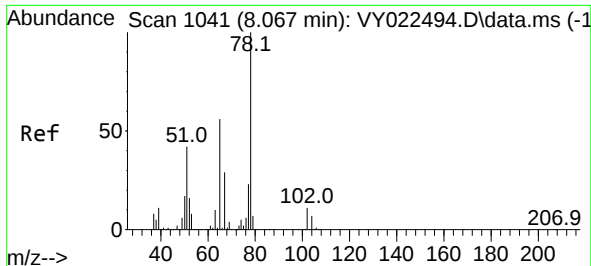
Tgt Ion:	84	Resp:	4555
Ion	Ratio	Lower	Upper
84	100		
49	94.1	101.9	152.9#
51	31.8	29.8	44.8
86	39.7	51.3	76.9#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

Tgt Ion:	56	Resp:	8125
Ion	Ratio	Lower	Upper
56	100		
69	112.9	27.0	40.6#
84	113.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.557 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022598.D

Acq: 06 Jun 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

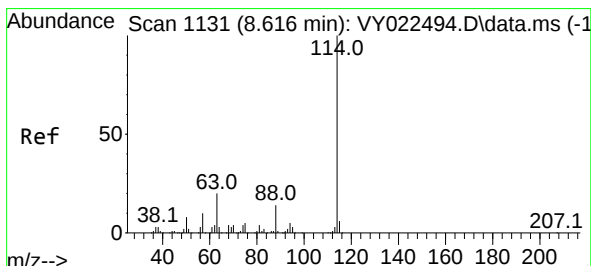
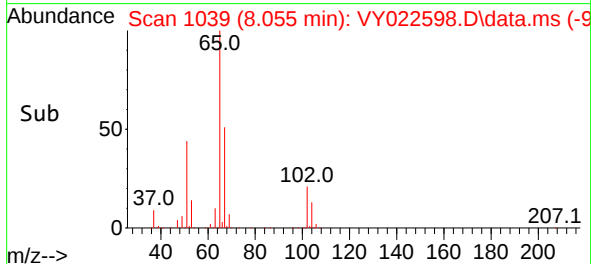
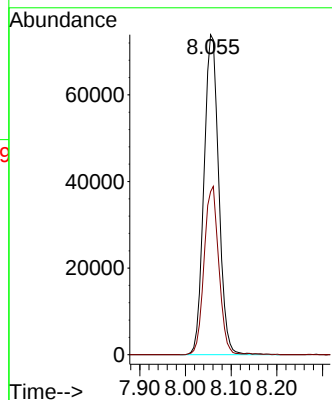
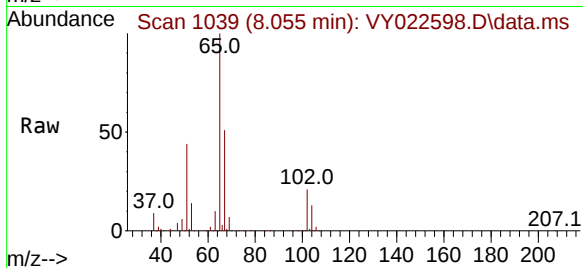
BU-703-VOC-01

Tgt Ion: 65 Resp: 165813

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022598.D

Acq: 06 Jun 2025 14:25

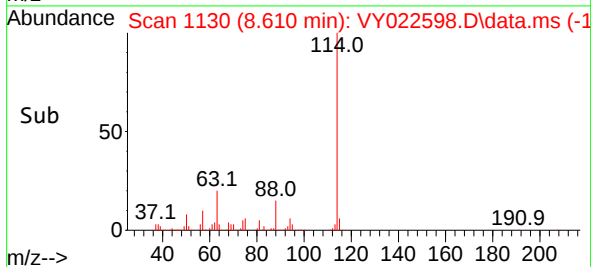
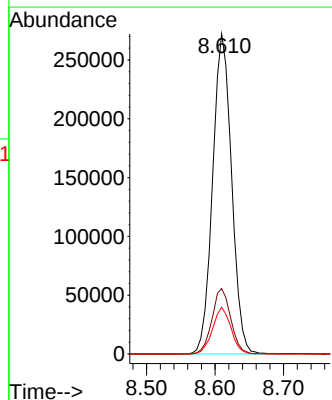
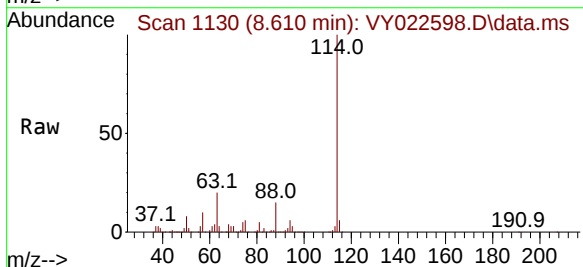
Tgt Ion: 114 Resp: 522331

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 14.6 0.0 27.8

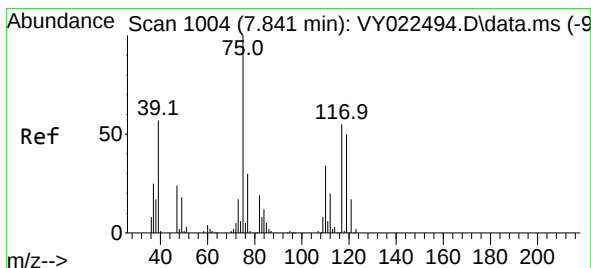
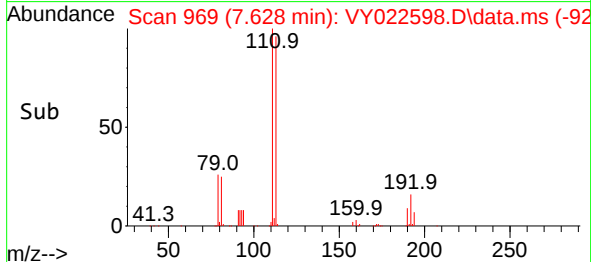
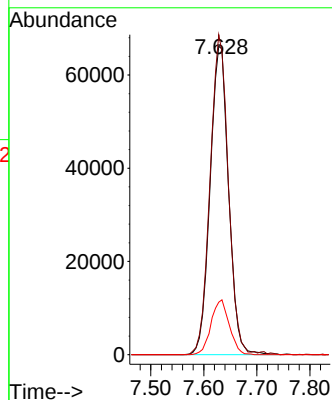
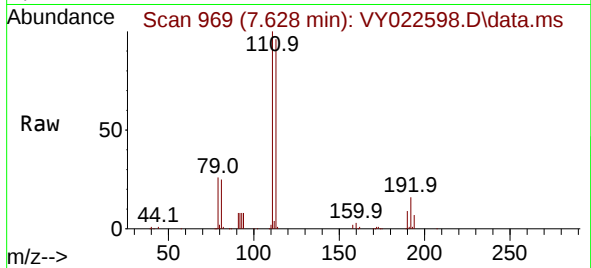




#35
Dibromofluoromethane
Concen: 51.455 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

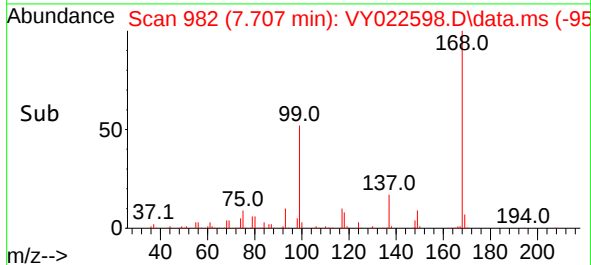
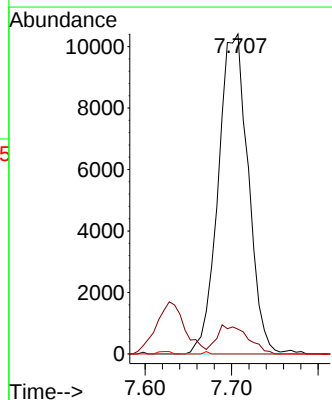
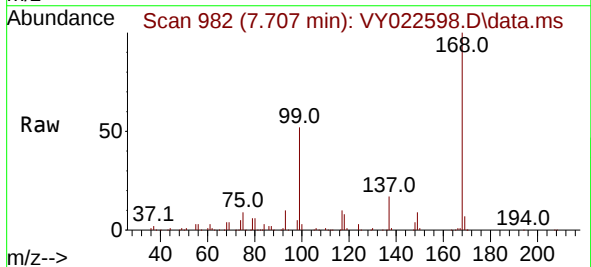
Instrument :
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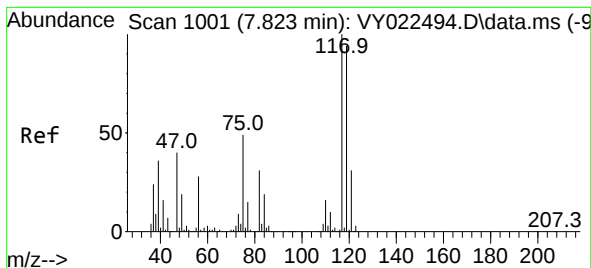
Tgt Ion:113 Resp: 160421
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

Tgt Ion: 75 Resp: 24975
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY022598.D

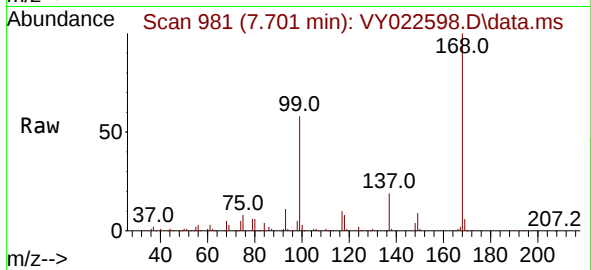
Acq: 06 Jun 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-01



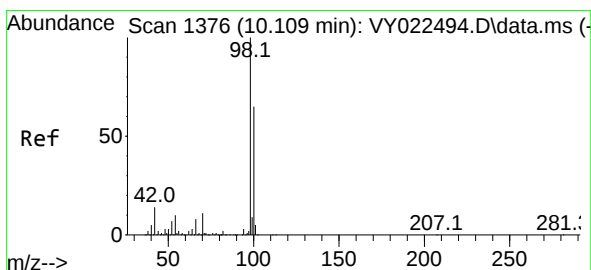
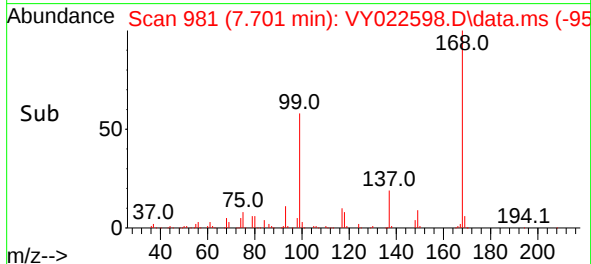
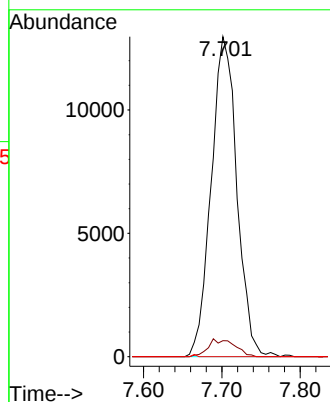
Tgt Ion:117 Resp: 29589

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 51.044 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022598.D

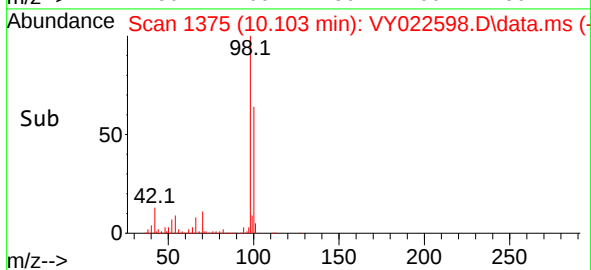
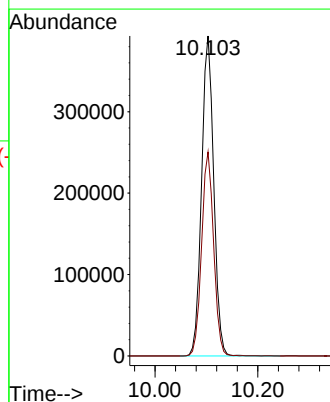
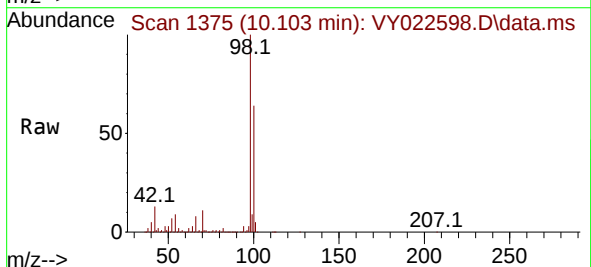
Acq: 06 Jun 2025 14:25

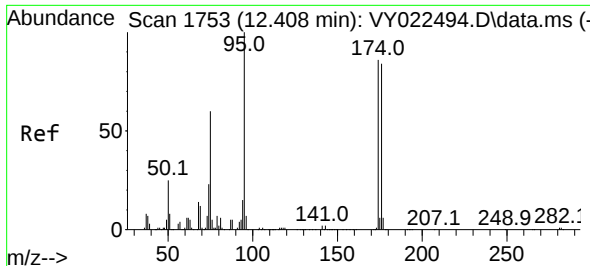
Tgt Ion: 98 Resp: 643024

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.0

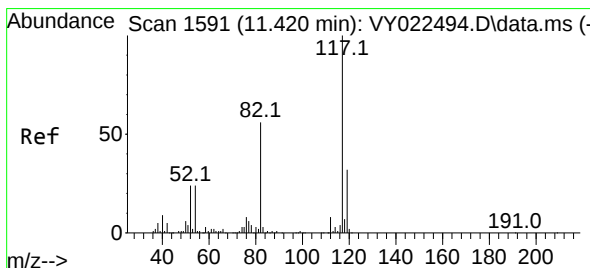
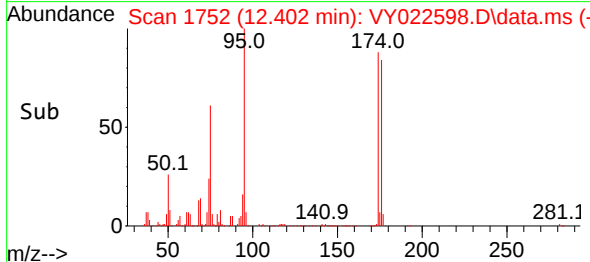
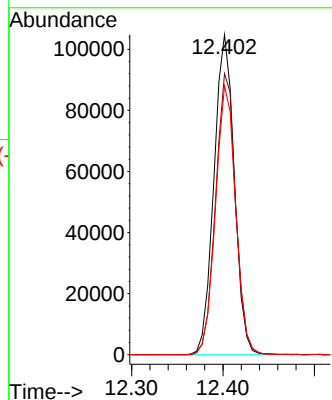
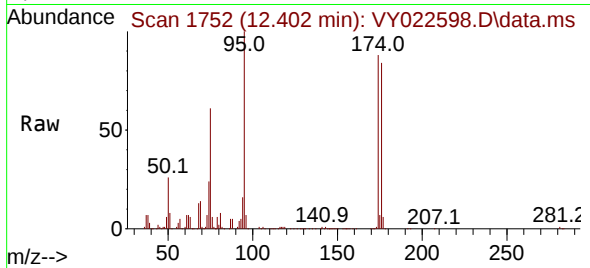




#62
4-Bromofluorobenzene
Concen: 43.204 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

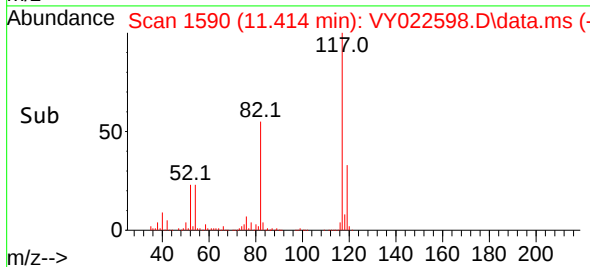
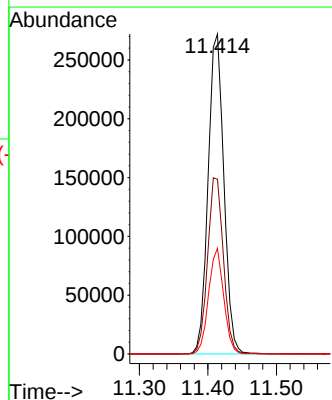
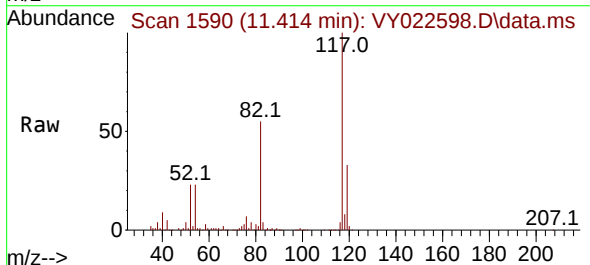
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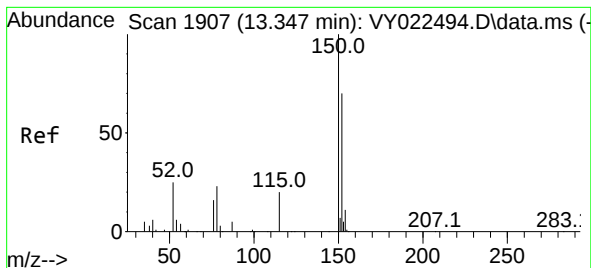
Tgt Ion: 95 Resp: 162161
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 83.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022598.D
Acq: 06 Jun 2025 14:25

Tgt Ion: 117 Resp: 435877
Ion Ratio Lower Upper
117 100
82 54.6 44.6 66.8
119 33.0 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: VY022598.D

Acq: 06 Jun 2025 14:25

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-01

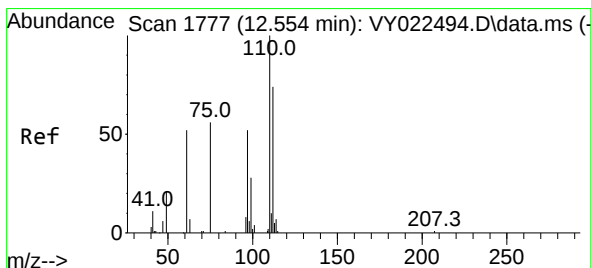
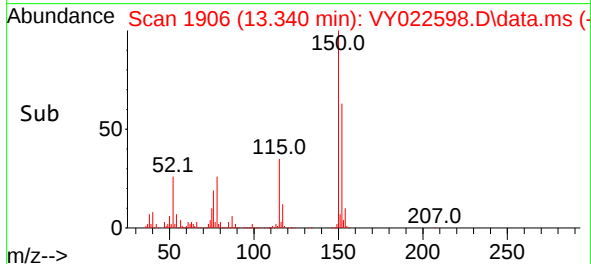
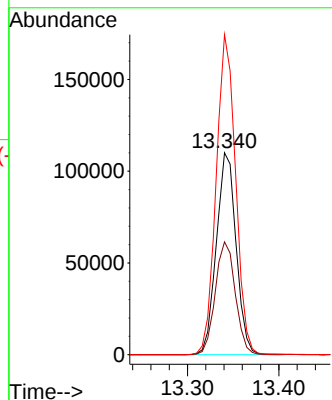
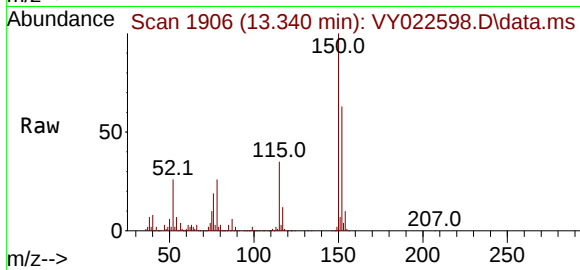
Tgt Ion:152 Resp: 165479

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 155.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.509 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022598.D

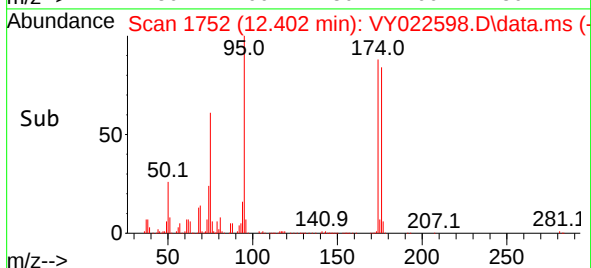
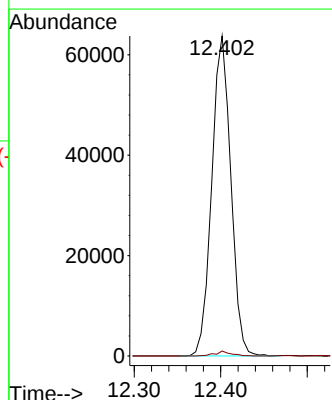
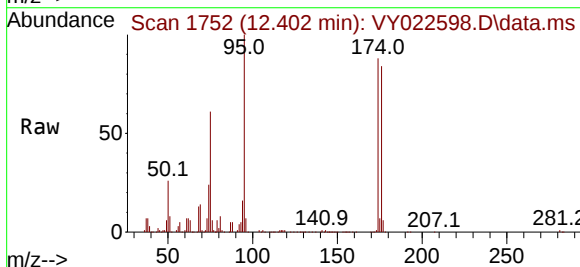
Acq: 06 Jun 2025 14:25

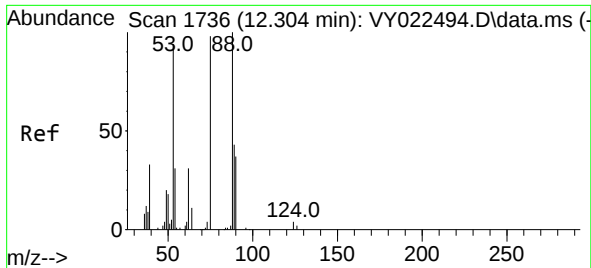
Tgt Ion: 75 Resp: 97513

Ion Ratio Lower Upper

75 100

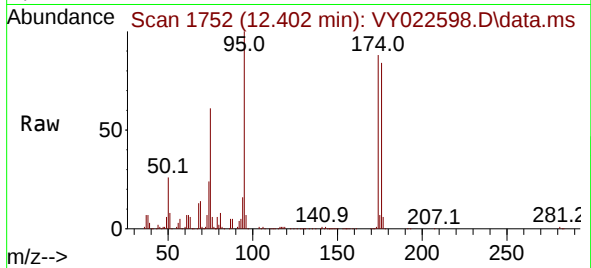
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.390 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022598.D
 Acq: 06 Jun 2025 14:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-01



Tgt Ion: 75 Resp: 97513
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

