

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022583.D
 Acq On : 05 Jun 2025 18:41
 Operator : SY/MD
 Sample : Q2227-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC

Quant Time: Jun 06 01:28:46 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)

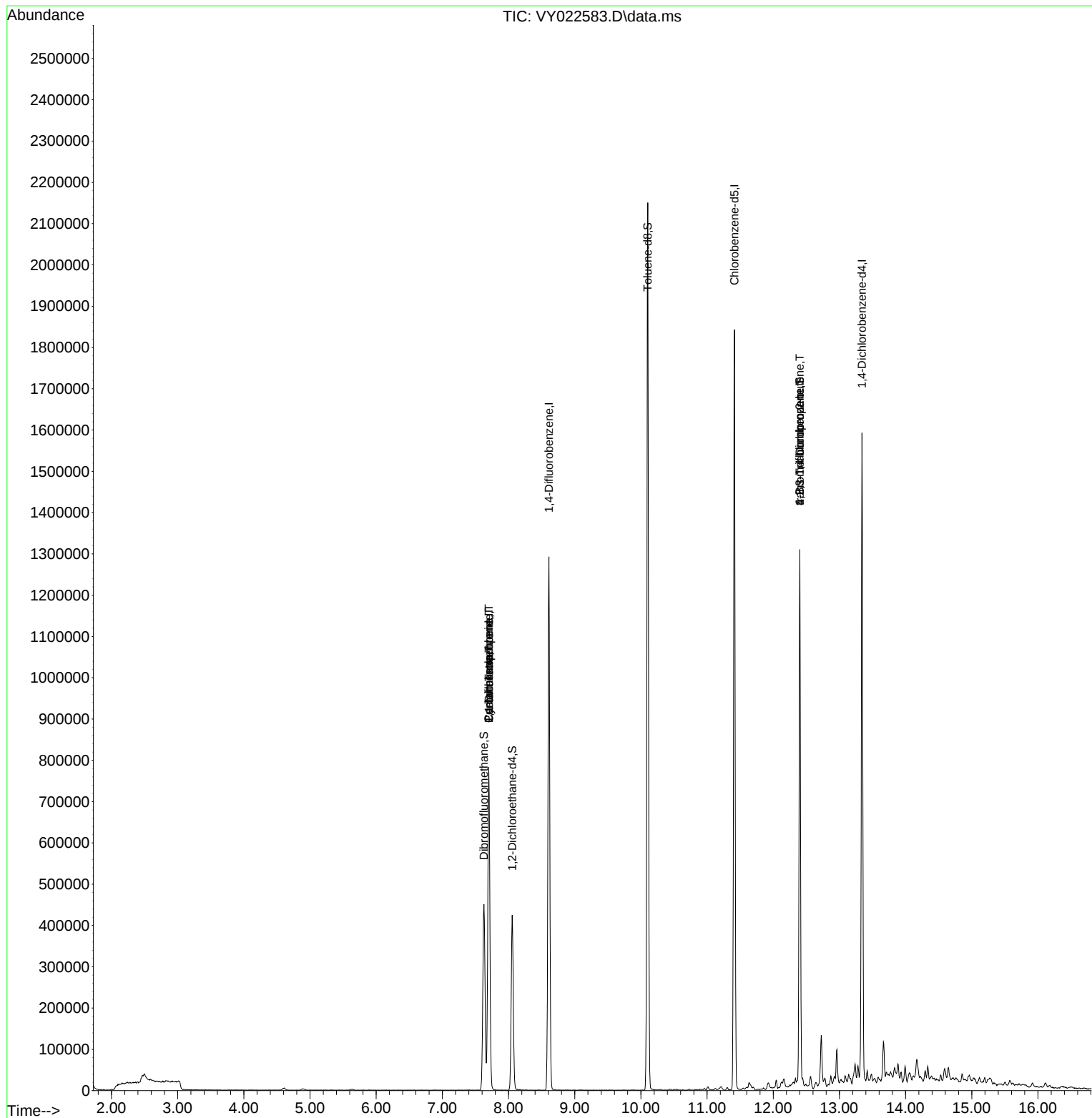
Internal Standards						
1) Pentafluorobenzene	7.701	168	549576	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	1028192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	860622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	345851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	312266	50.802	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.600%
35) Dibromofluoromethane	7.628	113	304844	49.673	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.103	98	1280826	51.651	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.300%
62) 4-Bromofluorobenzene	12.402	95	336380	45.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.060%
Target Compounds						
						Qvalue
31) Cyclohexane	7.701	56	16066	1.360	ug/l #	52
36) 1,1-Dichloropropene	7.701	75	50776	5.098	ug/l #	49
38) Carbon Tetrachloride	7.701	117	59363	5.810	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	202102	51.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	202102	123.352	ug/l #	10

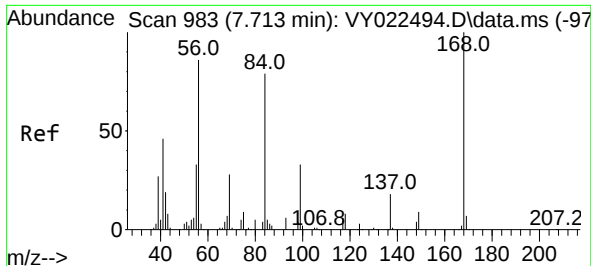
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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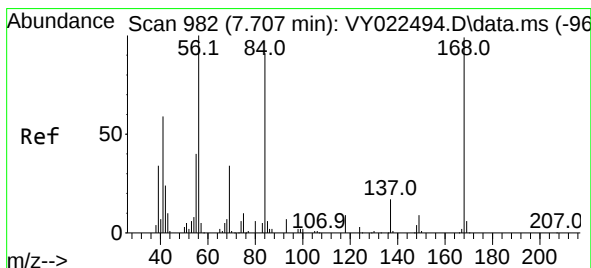
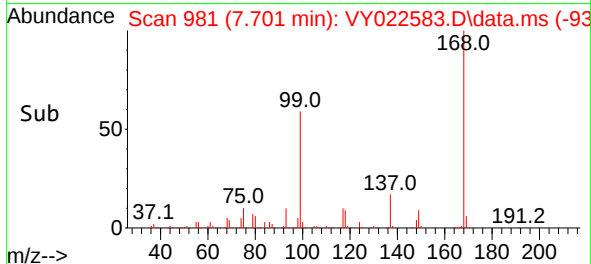
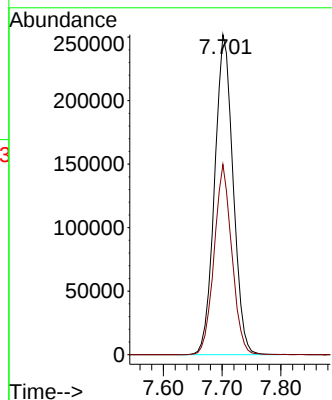
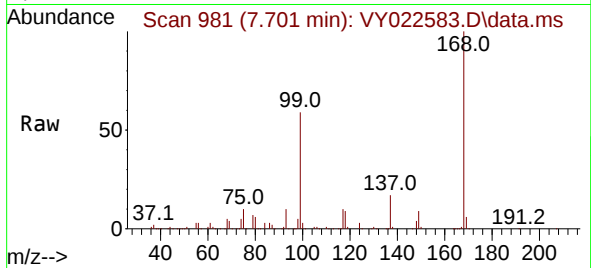




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.012 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

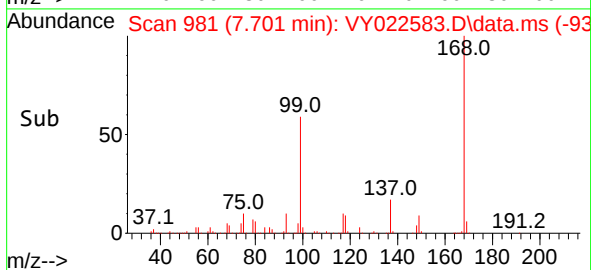
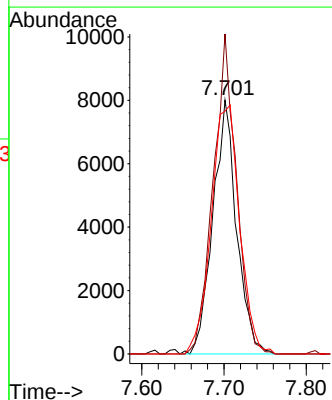
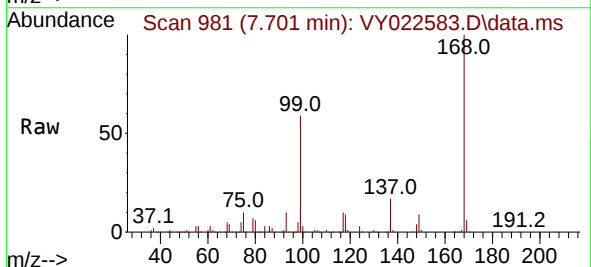
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

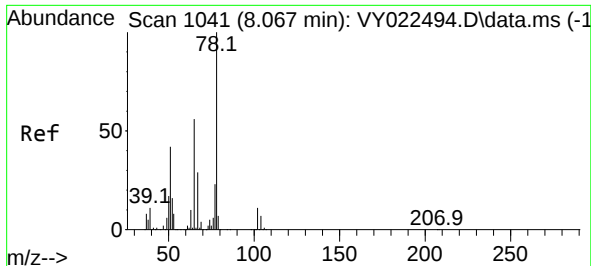
Tgt Ion:168 Resp: 549576
Ion Ratio Lower Upper
168 100
99 59.5 44.3 66.5



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

Tgt Ion: 56 Resp: 16066
Ion Ratio Lower Upper
56 100
69 126.1 27.0 40.6#
84 95.6 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 50.802 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022583.D

Acq: 05 Jun 2025 18:41

Instrument :

MSVOA_Y

ClientSampleId :

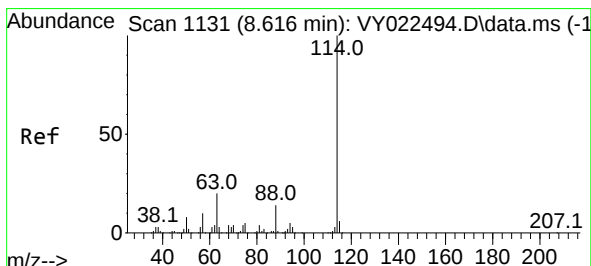
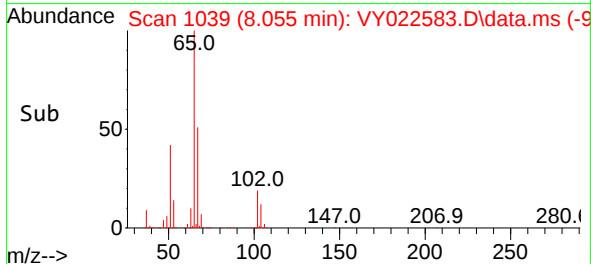
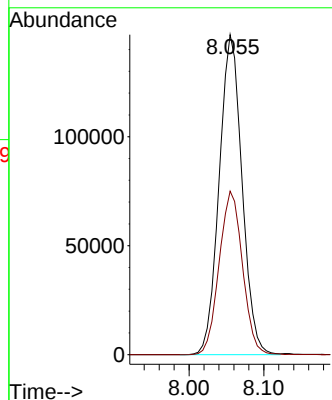
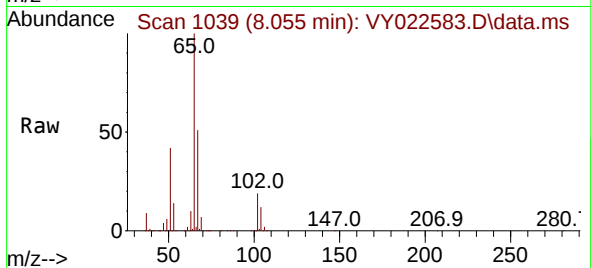
TP07-MHH-VOC

Tgt Ion: 65 Resp: 312266

Ion Ratio Lower Upper

65 100

67 52.3 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: VY022583.D

Acq: 05 Jun 2025 18:41

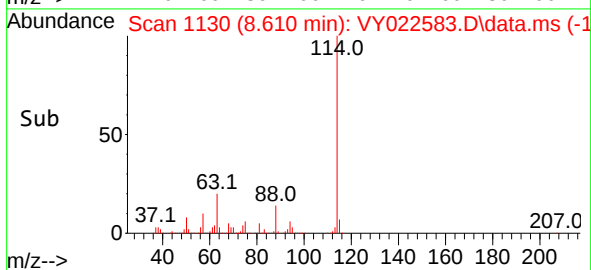
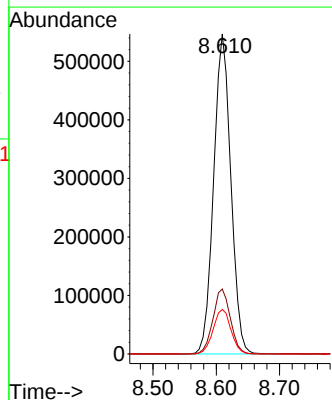
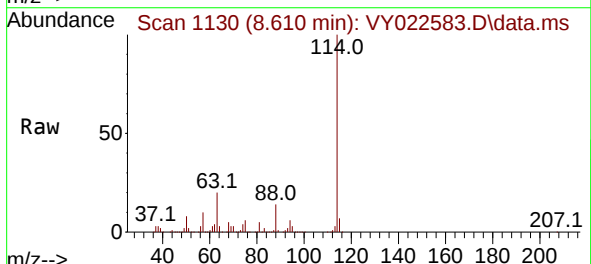
Tgt Ion: 114 Resp: 1028192

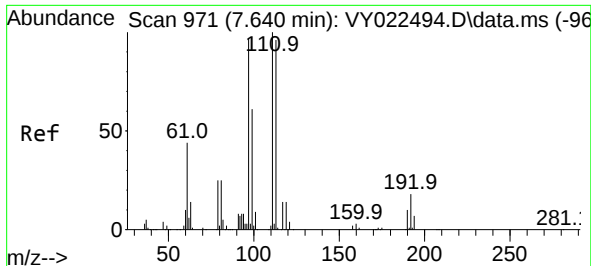
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 13.9 0.0 27.8

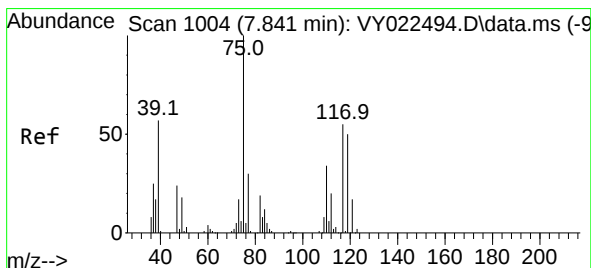
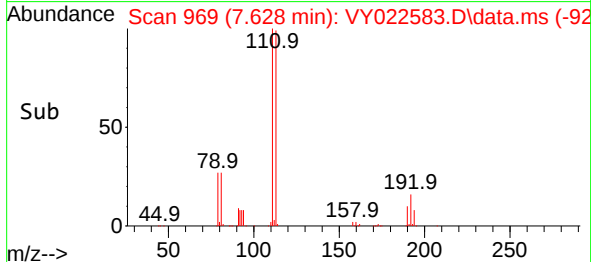
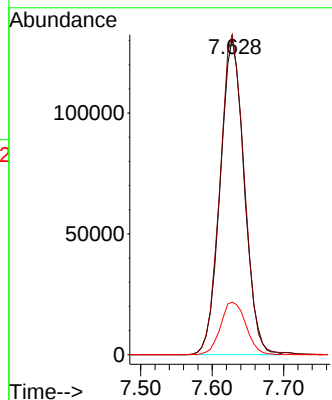
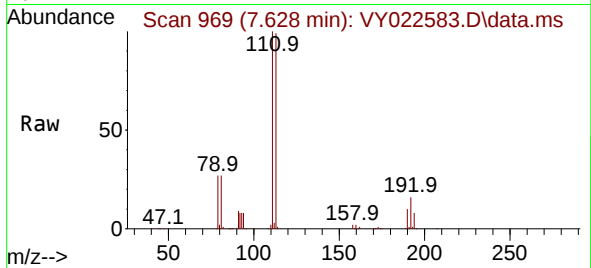




#35
Dibromofluoromethane
Concen: 49.673 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

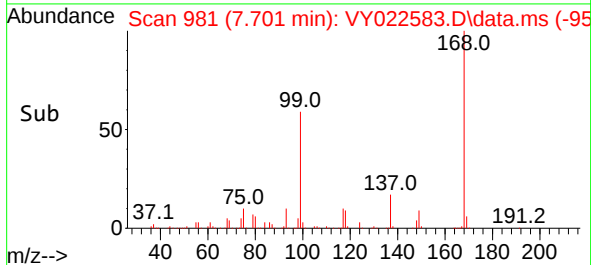
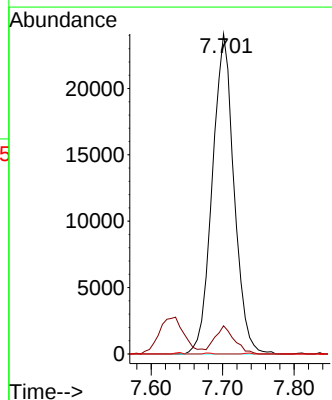
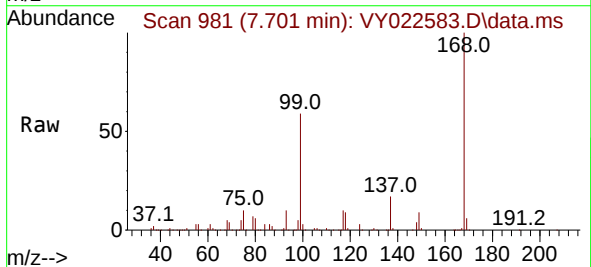
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

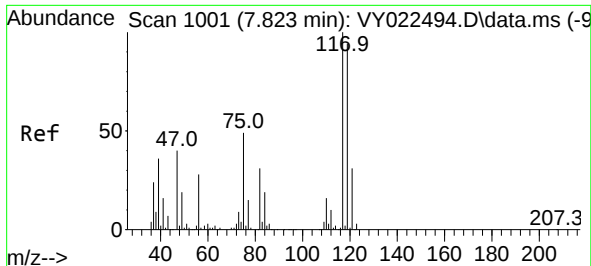
Tgt Ion:113 Resp: 304844
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 17.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

Tgt Ion: 75 Resp: 50776
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.7#
77 0.0 24.8 37.2#

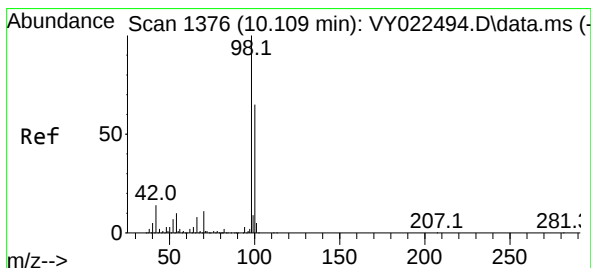
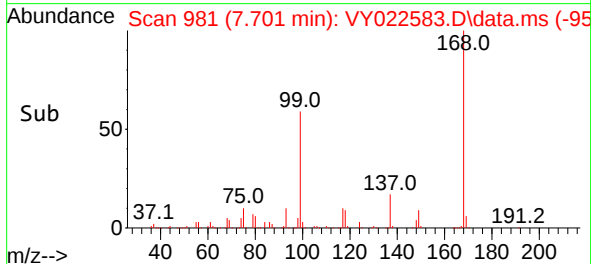
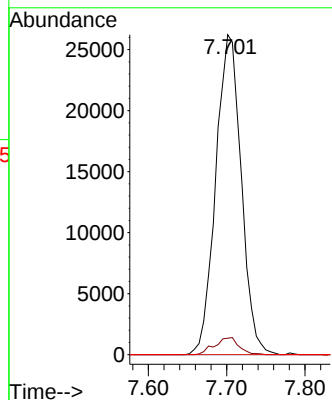
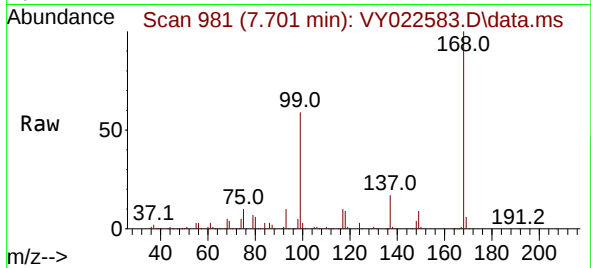




#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

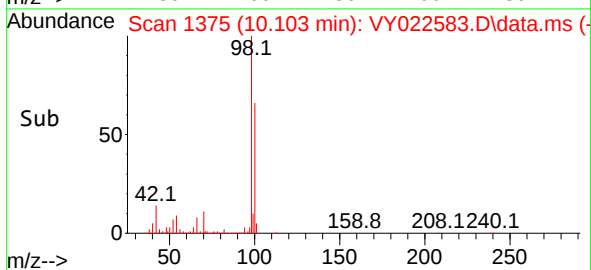
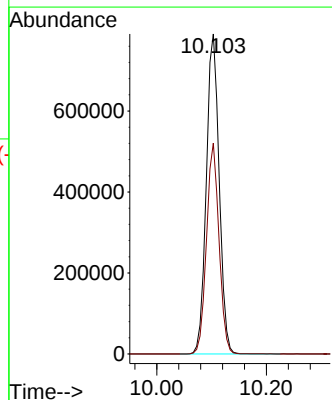
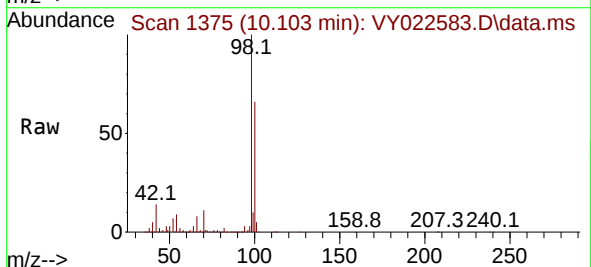
Instrument :
MSVOA_Y
ClientSampleId :
TP07-MHH-VOC

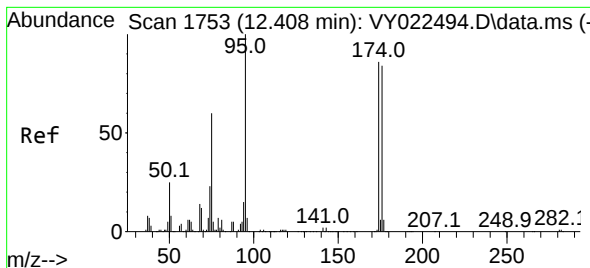
Tgt Ion:117 Resp: 59363
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.651 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

Tgt Ion: 98 Resp: 1280826
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

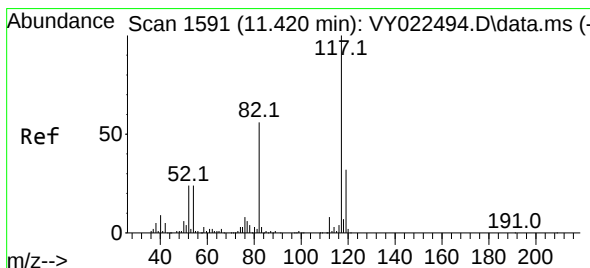
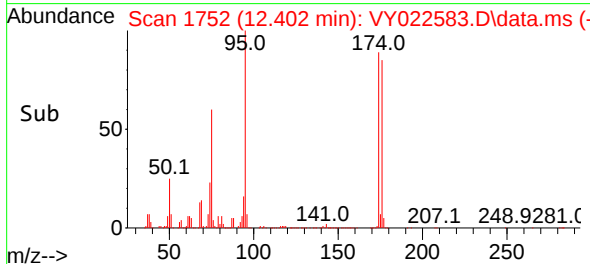
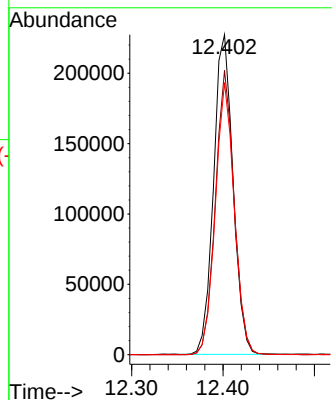
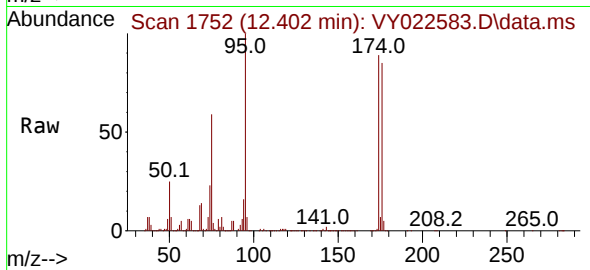




#62
4-Bromofluorobenzene
Concen: 45.528 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

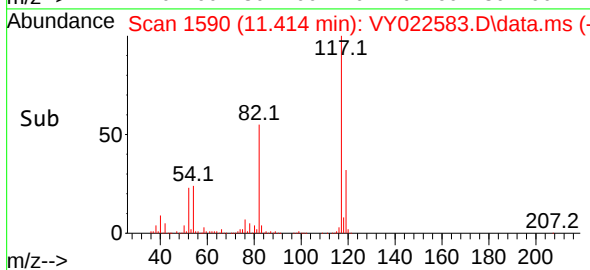
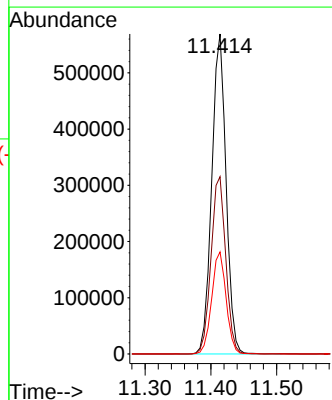
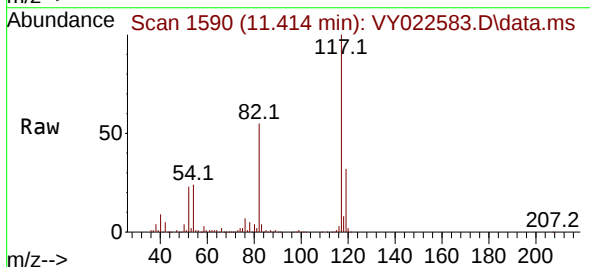
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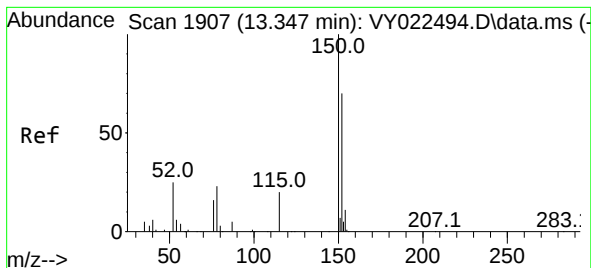
Tgt Ion: 95 Resp: 336380
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 83.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022583.D
Acq: 05 Jun 2025 18:41

Tgt Ion: 117 Resp: 860622
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 31.9 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: VY022583.D

Acq: 05 Jun 2025 18:41

Instrument :

MSVOA_Y

ClientSampleId :

TP07-MHH-VOC

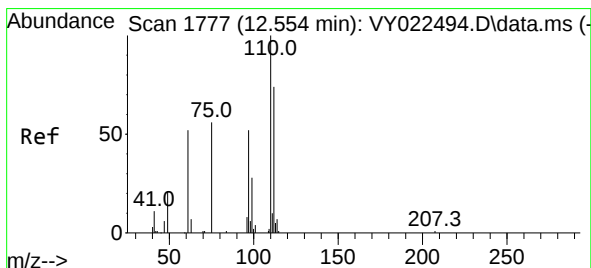
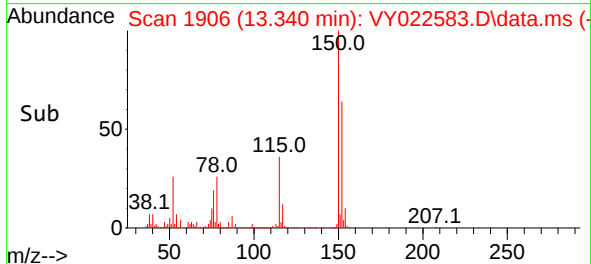
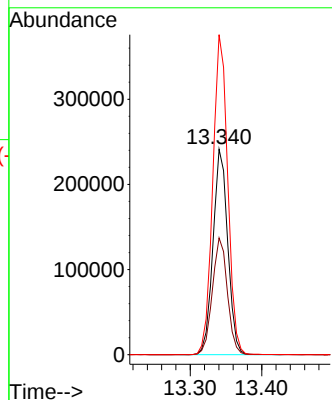
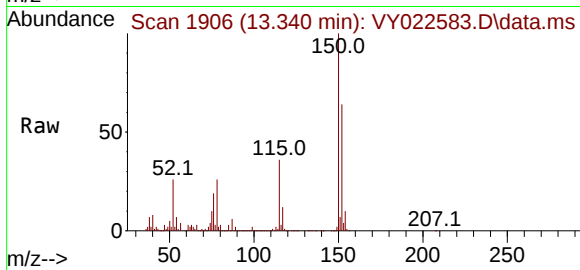
Tgt Ion:152 Resp: 345851

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.079 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022583.D

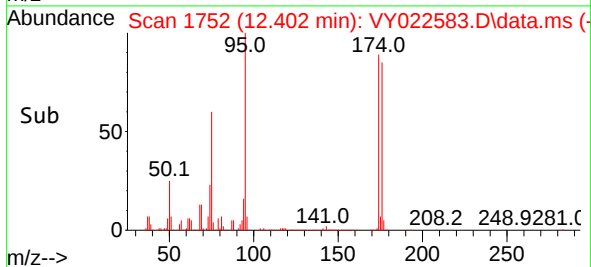
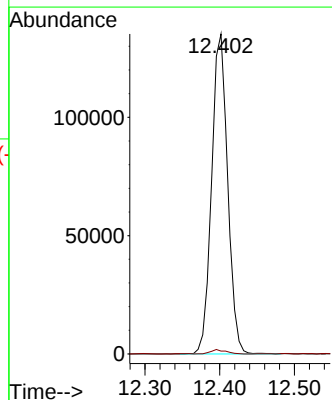
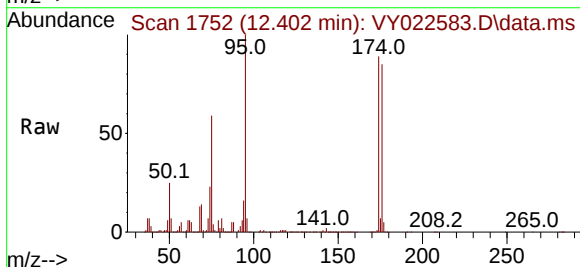
Acq: 05 Jun 2025 18:41

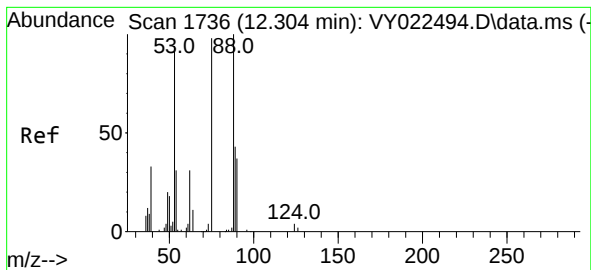
Tgt Ion: 75 Resp: 202102

Ion Ratio Lower Upper

75 100

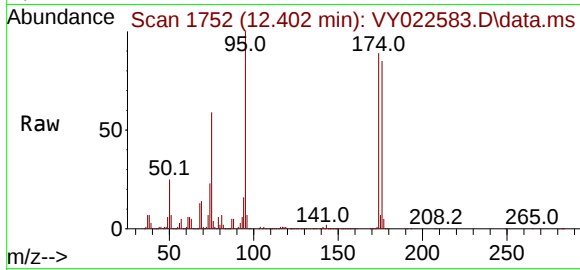
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.352 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022583.D
 Acq: 05 Jun 2025 18:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP07-MHH-VOC



Tgt Ion: 75 Resp: 202102
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

