

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022075.D
 Acq On : 30 Apr 2025 12:00
 Operator : SY/MD
 Sample : Q1905-07
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-H-VOC

Quant Time: May 01 01:34:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

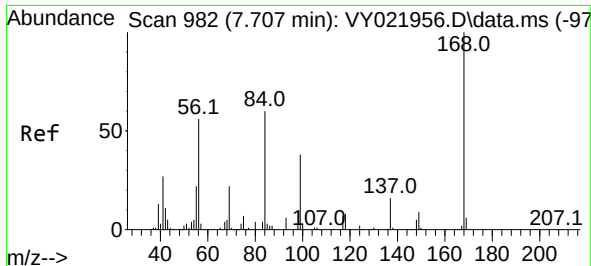
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	300415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	563441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	207751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154040	55.512	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.020%
35) Dibromofluoromethane	7.634	113	195793	52.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.200%
50) Toluene-d8	10.103	98	693190	49.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.402	95	197232	41.749	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.500%
Target Compounds						
16) Acetone	3.873	43	4319	Below Cal	#	79
20) Methylene Chloride	4.610	84	6330	1.804	ug/l #	87
31) Cyclohexane	7.701	56	5815	1.268	ug/l #	21
36) 1,1-Dichloropropene	7.701	75	21457	4.291	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30511	5.107	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	2303	1.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	94796	53.271	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	94796	128.286	ug/l #	16

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

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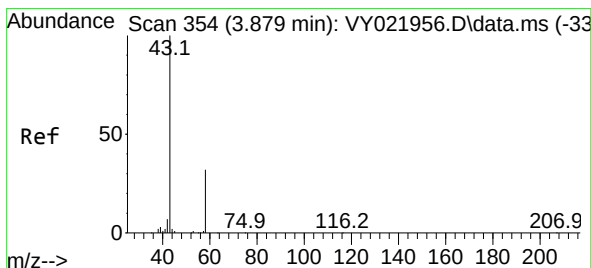
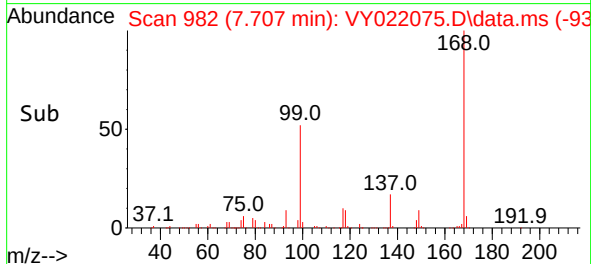
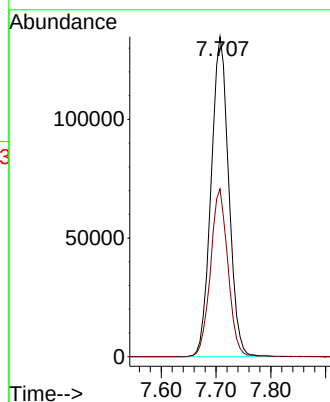
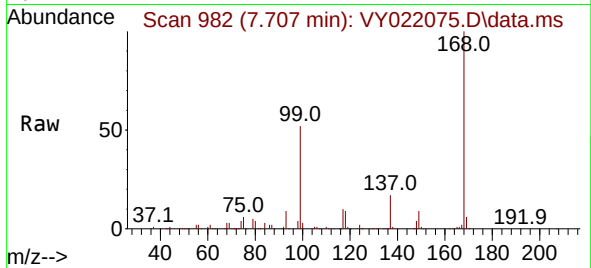




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

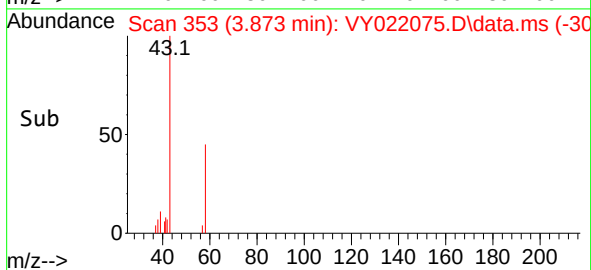
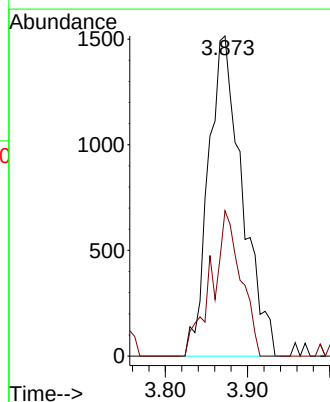
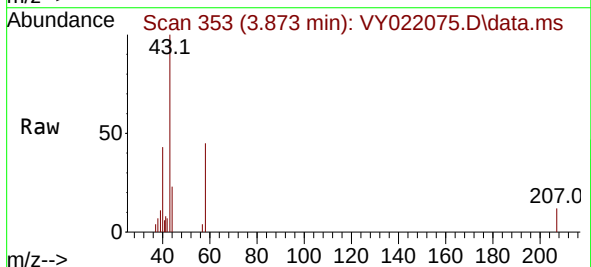
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

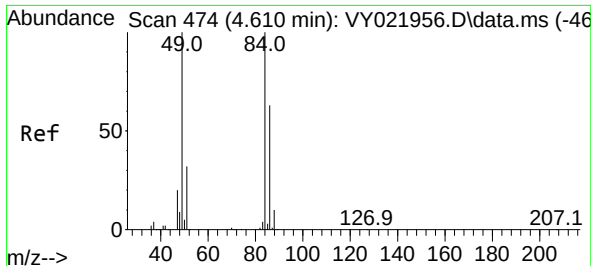
Tgt Ion:168 Resp: 300415
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 43 Resp: 4319
Ion Ratio Lower Upper
43 100
58 45.4 27.0 40.4#



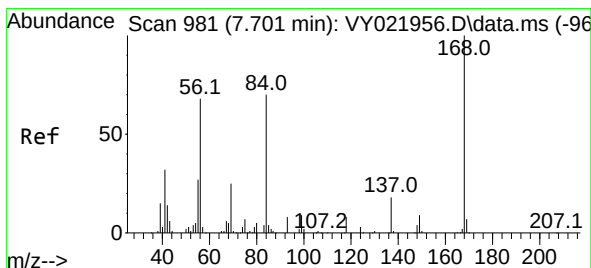
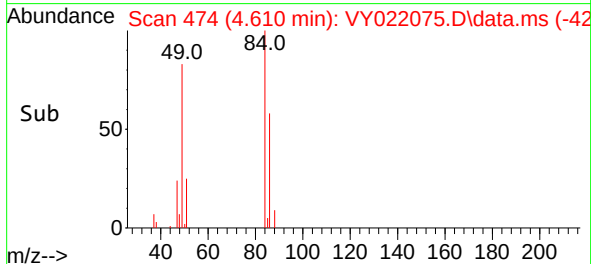
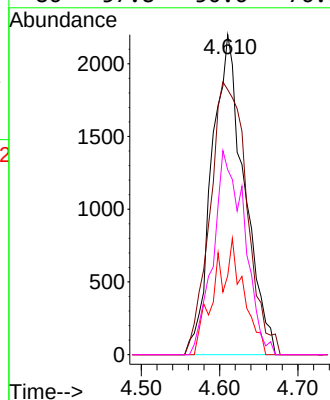
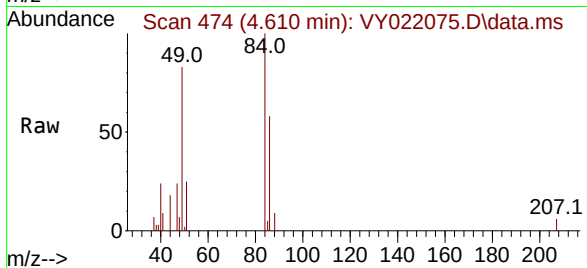


#20
Methylene Chloride
Concen: 1.804 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

Tgt Ion: 84 Resp: 6330

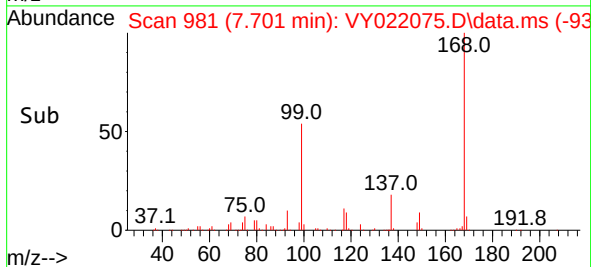
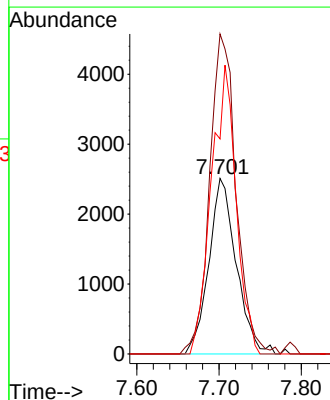
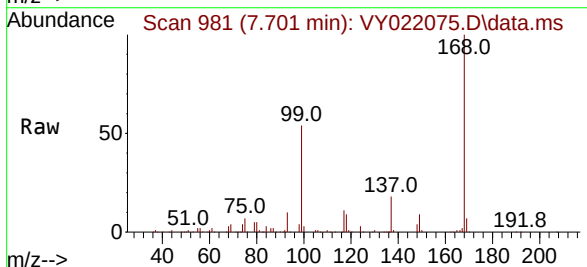
Ion	Ratio	Lower	Upper
84	100		
49	82.8	79.9	119.9
51	24.7	25.4	38.0#
86	57.8	50.6	76.0

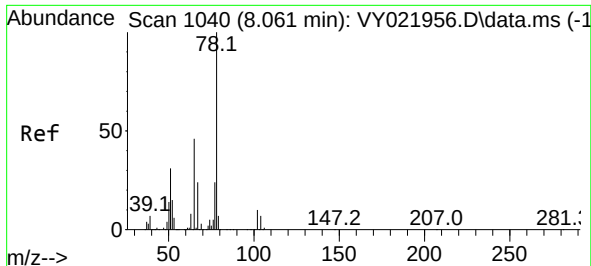


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 56 Resp: 5815

Ion	Ratio	Lower	Upper
56	100		
69	182.3	29.4	44.2#
84	122.5	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 55.512 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022075.D

Acq: 30 Apr 2025 12:00

Instrument :

MSVOA_Y

ClientSampleId :

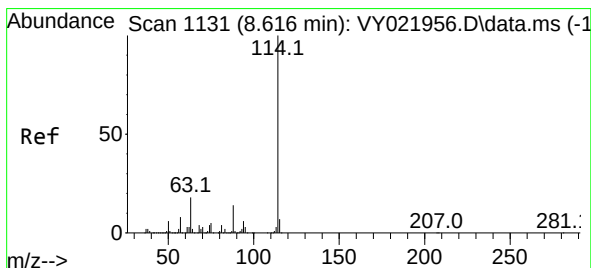
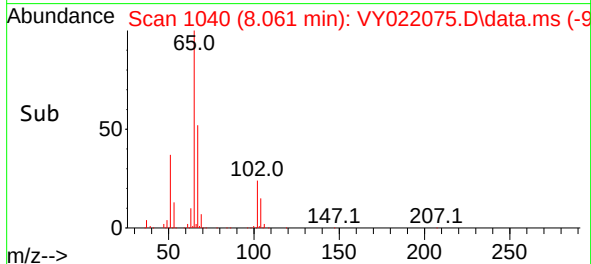
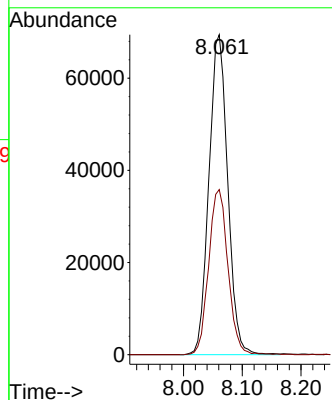
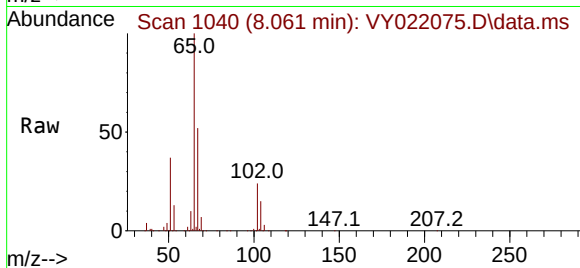
MH-H-VOC

Tgt Ion: 65 Resp: 154040

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022075.D

Acq: 30 Apr 2025 12:00

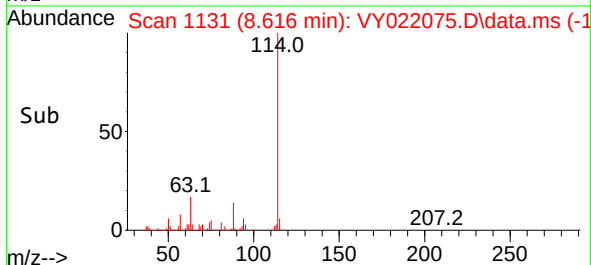
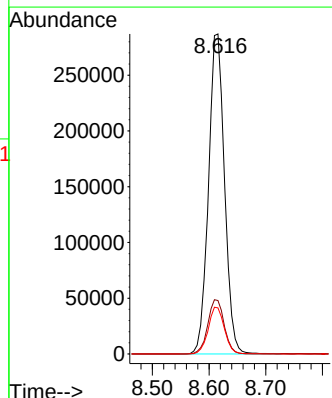
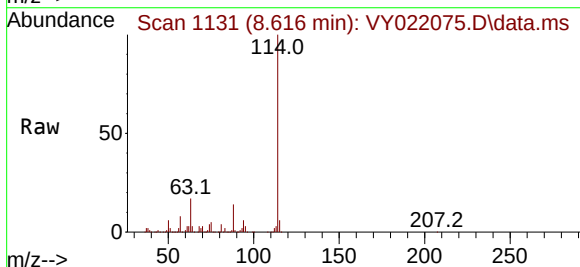
Tgt Ion:114 Resp: 563441

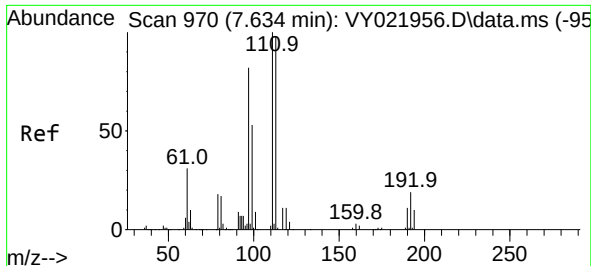
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 14.4 0.0 28.2

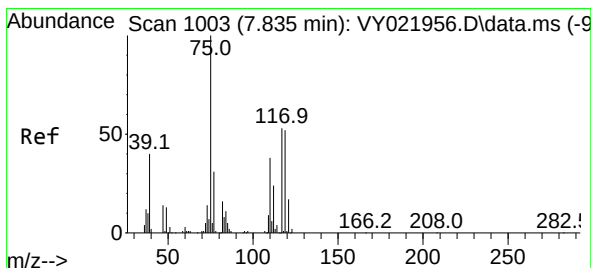
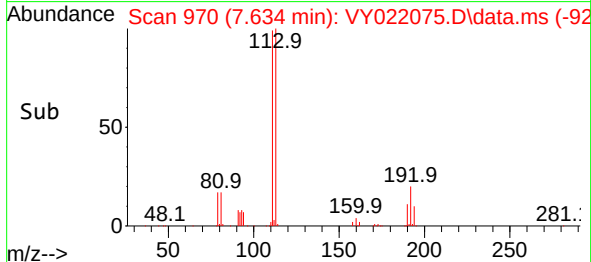
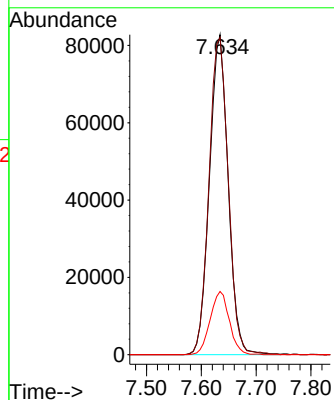
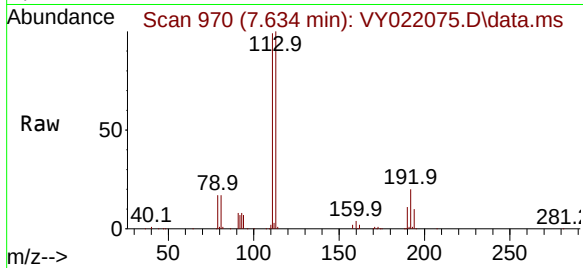




#35
Dibromofluoromethane
Concen: 52.599 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

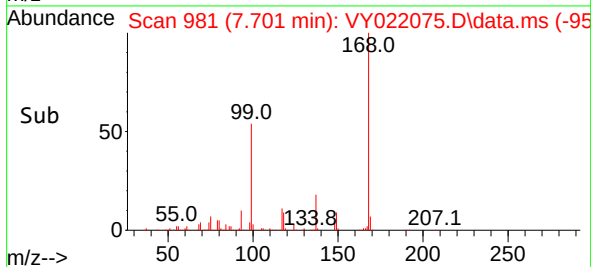
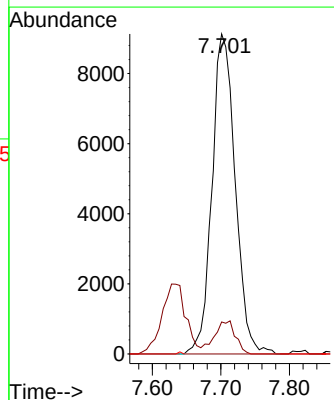
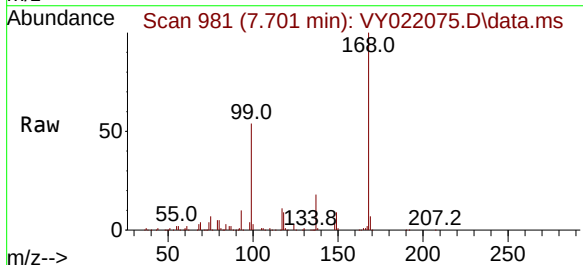
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

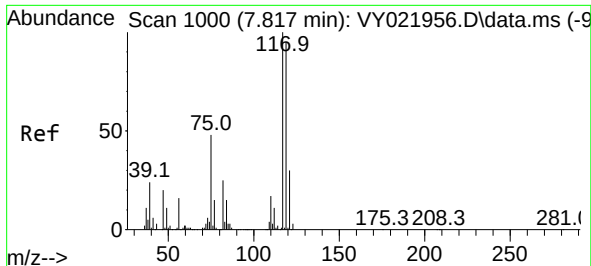
Tgt Ion:113 Resp: 195793
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 20.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.291 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 75 Resp: 21457
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.5 38.3#

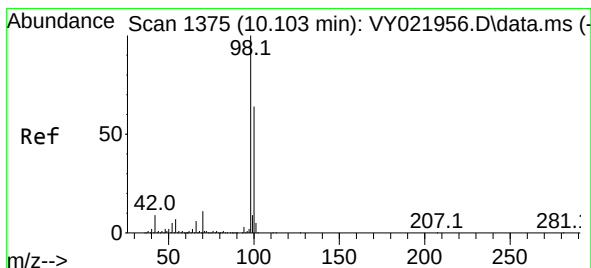
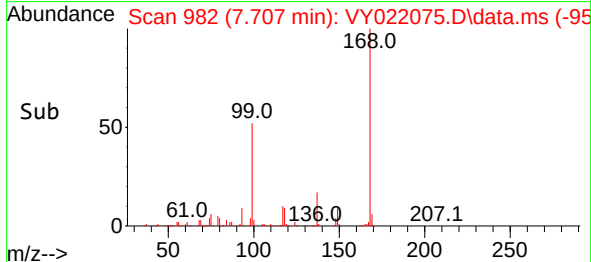
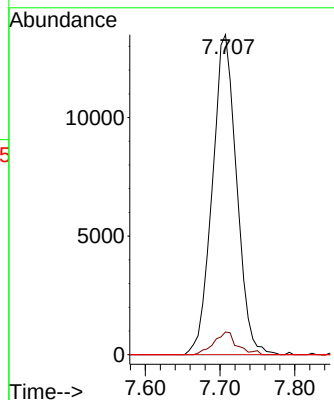
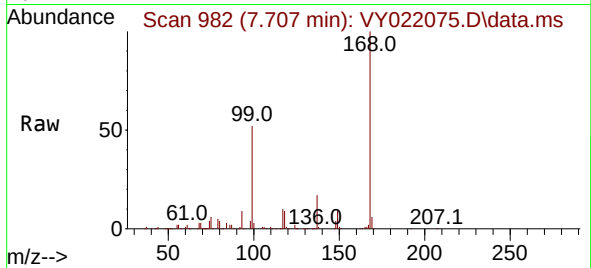




#38
Carbon Tetrachloride
Concen: 5.107 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

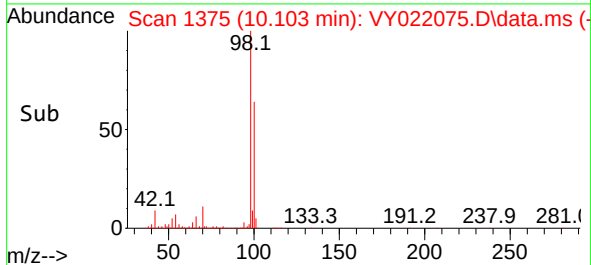
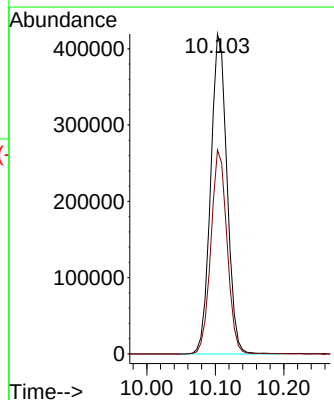
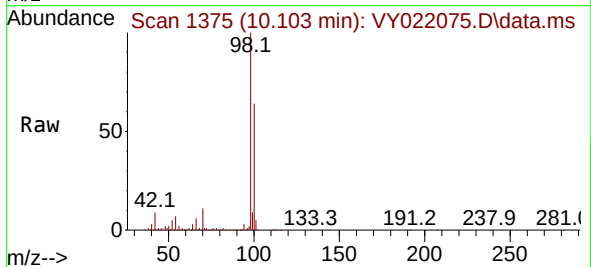
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

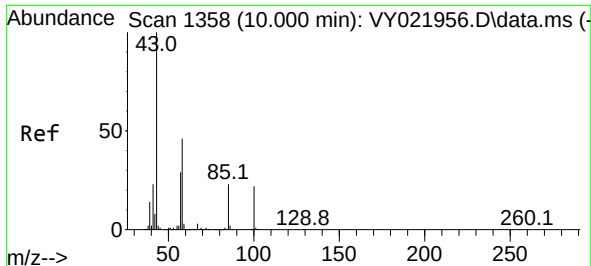
Tgt Ion:117 Resp: 30511
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.396 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 98 Resp: 693190
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

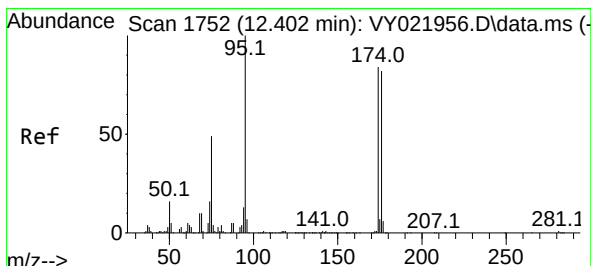
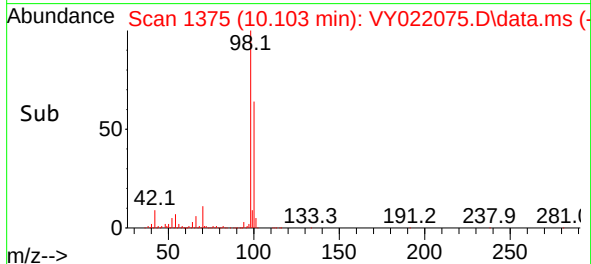
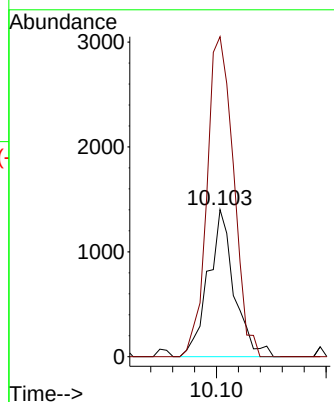
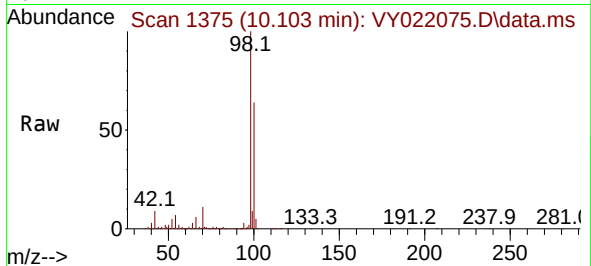




#51
4-Methyl-2-Pentanone
Concen: 1.274 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

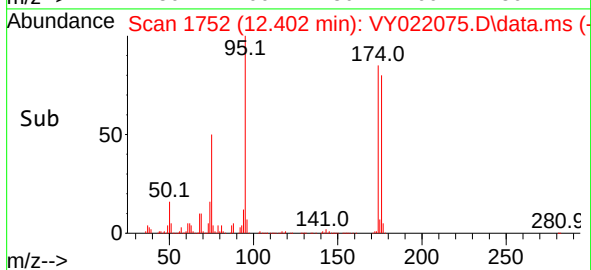
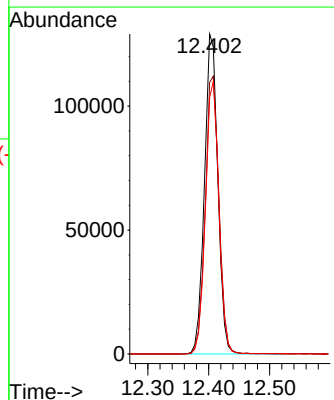
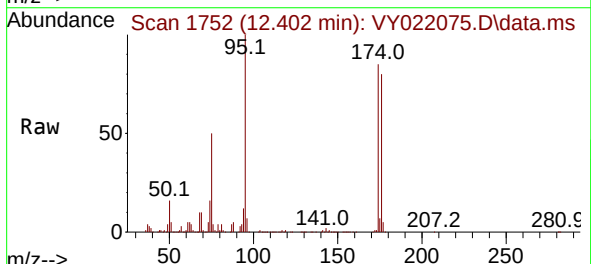
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ClientSampleId :
MH-H-VOC

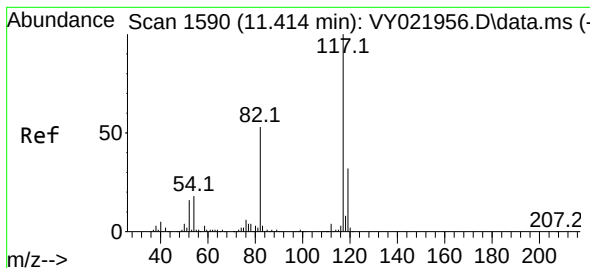
Tgt Ion: 43 Resp: 2303
Ion Ratio Lower Upper
43 100
58 223.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.749 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 95 Resp: 197232
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.0
176 85.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022075.D

Acq: 30 Apr 2025 12:00

Instrument :

MSVOA_Y

ClientSampleId :

MH-H-VOC

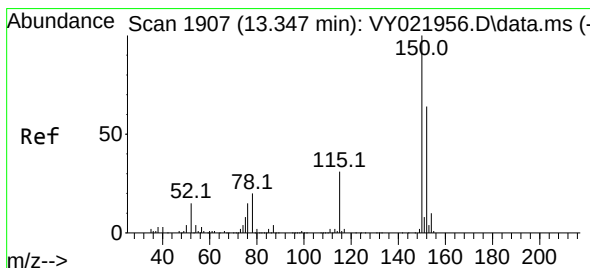
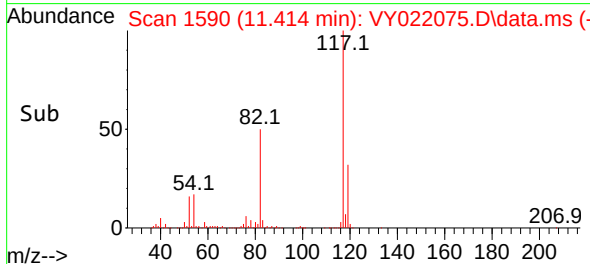
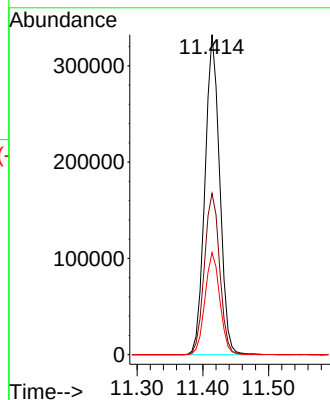
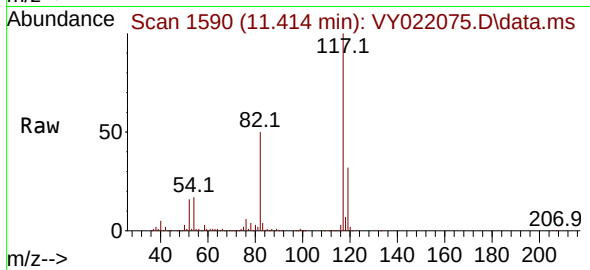
Tgt Ion:117 Resp: 518667

Ion Ratio Lower Upper

117 100

82 50.4 42.1 63.1

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022075.D

Acq: 30 Apr 2025 12:00

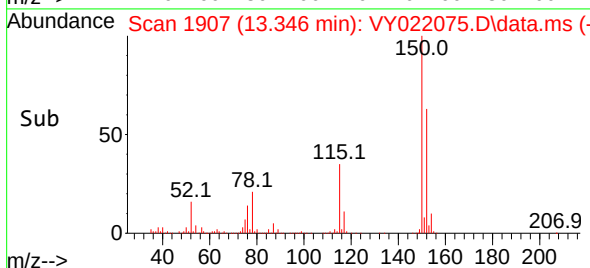
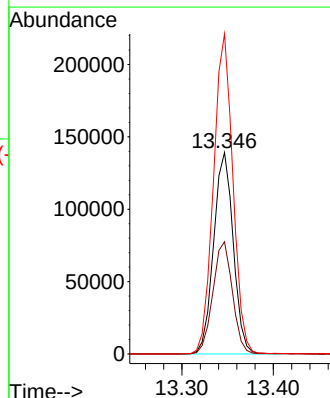
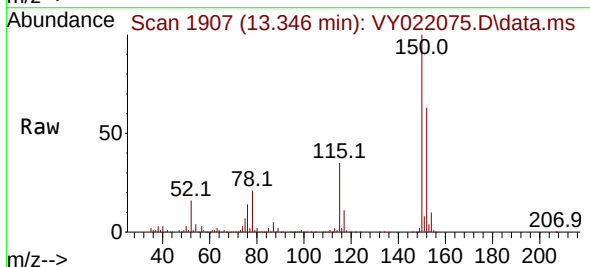
Tgt Ion:152 Resp: 207751

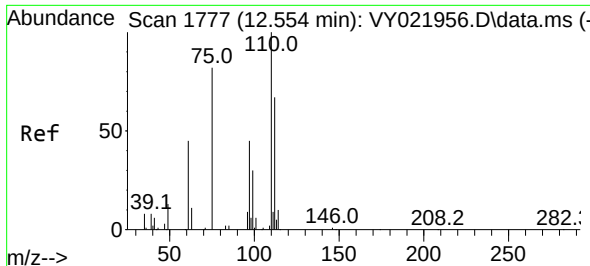
Ion Ratio Lower Upper

152 100

115 55.7 28.0 84.0

150 157.5 0.0 345.6

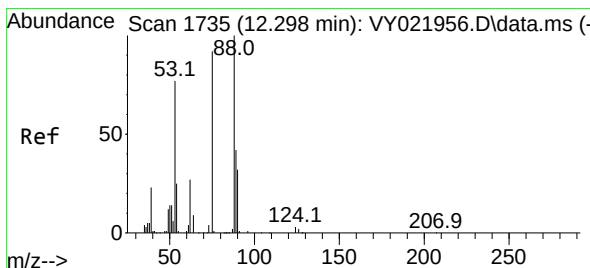
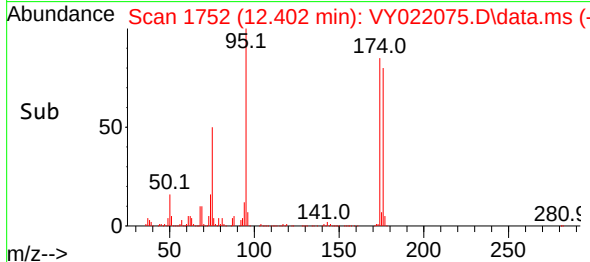
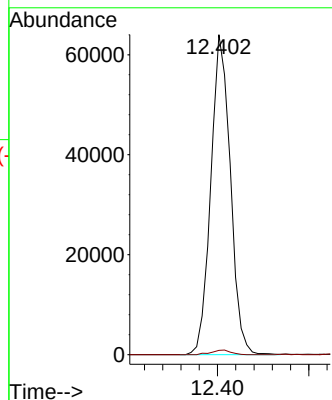
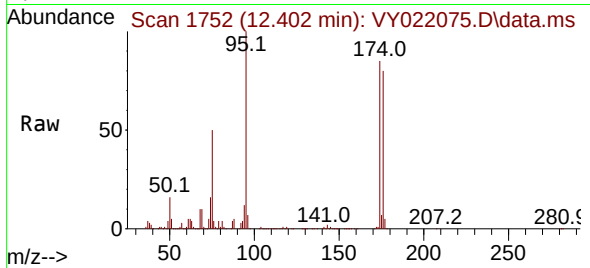




#76
1,2,3-Trichloropropane
Concen: 53.271 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

Tgt Ion: 75 Resp: 94796
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.286 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022075.D
Acq: 30 Apr 2025 12:00

Tgt Ion: 75 Resp: 94796
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

