

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022060.D
 Acq On : 29 Apr 2025 16:40
 Operator : SY/MD
 Sample : Q1905-03
 Misc : 4.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-G-VOC

Quant Time: Apr 30 01:35:02 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

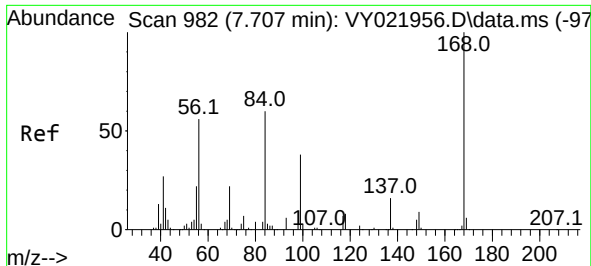
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	299642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	567665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	505205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142644	51.538	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.080%	
35) Dibromofluoromethane	7.634	113	189357	50.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.103	98	681706	48.216	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	12.408	95	185236	38.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.840%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1273	Below Cal	#	88
31) Cyclohexane	7.713	56	5151	1.126	ug/l #	13
36) 1,1-Dichloropropene	7.713	75	21271	4.222	ug/l #	49
38) Carbon Tetrachloride	7.707	117	29473	4.896	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2396	1.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	89666	55.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	89666	133.118	ug/l #	16
95) Naphthalene	15.145	128	59931	11.242	ug/l	99

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

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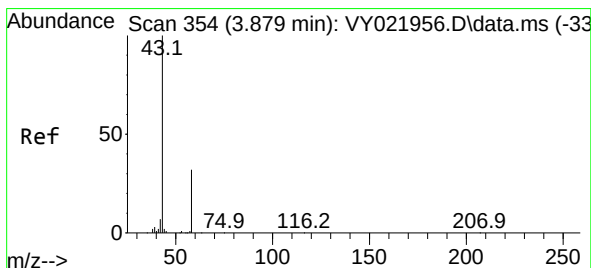
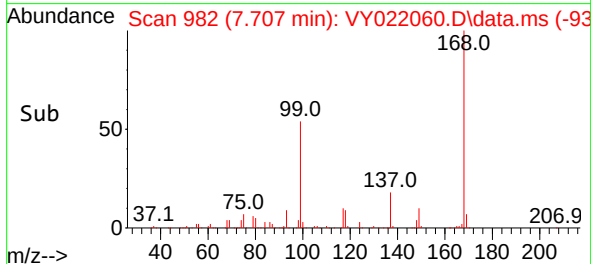
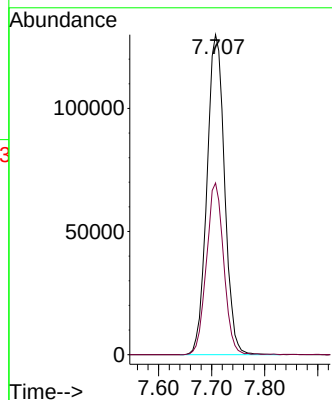
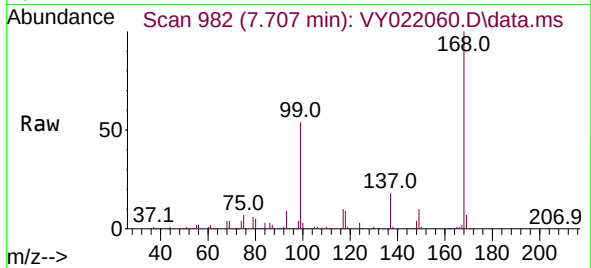




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

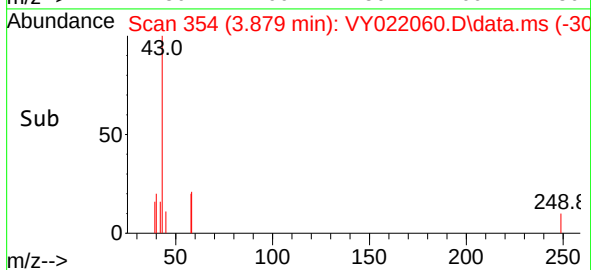
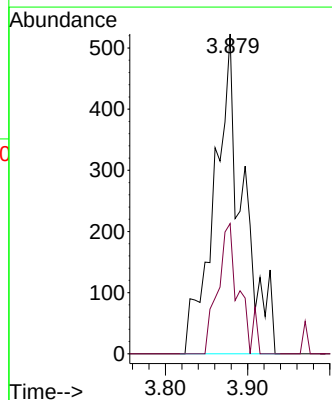
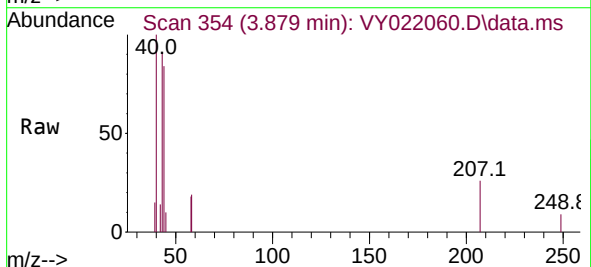
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

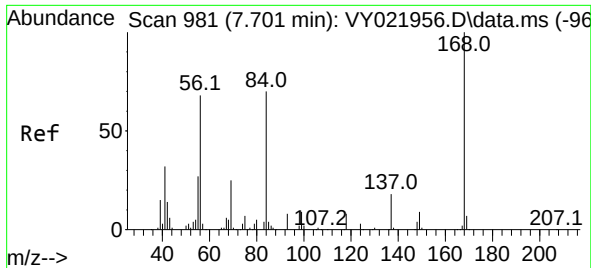
Tgt Ion:168 Resp: 299642
Ion Ratio Lower Upper
168 100
99 53.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 40.7 27.0 40.4#

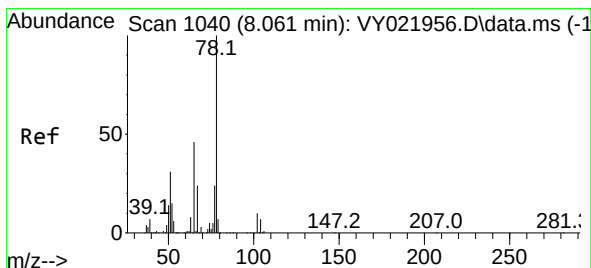
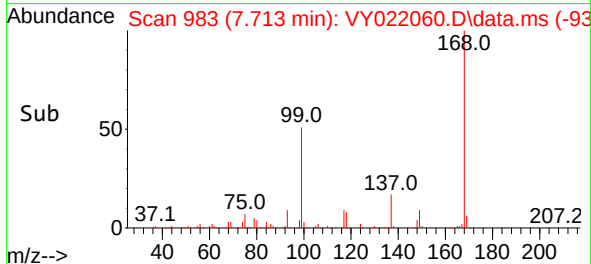
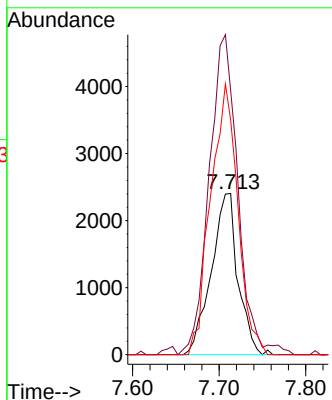
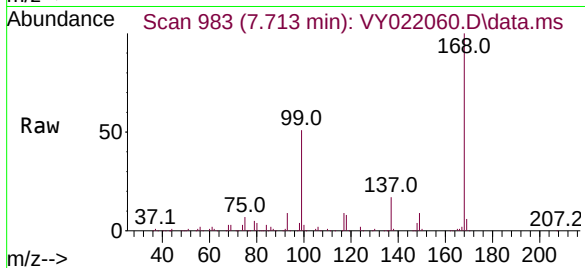




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

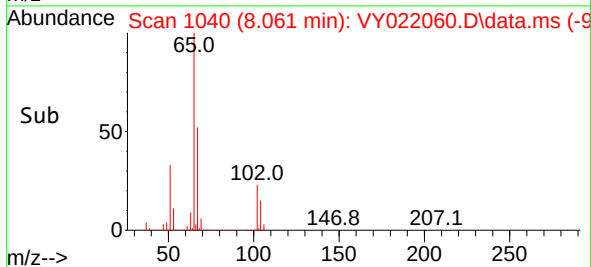
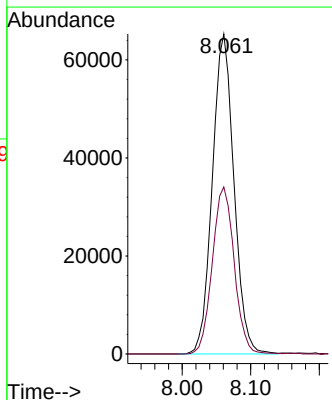
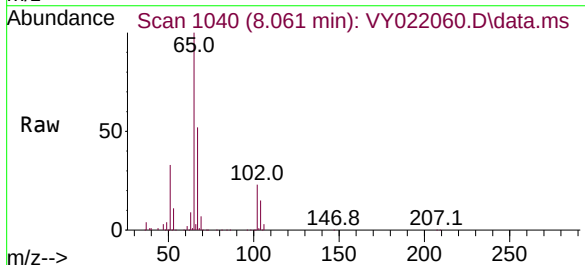
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

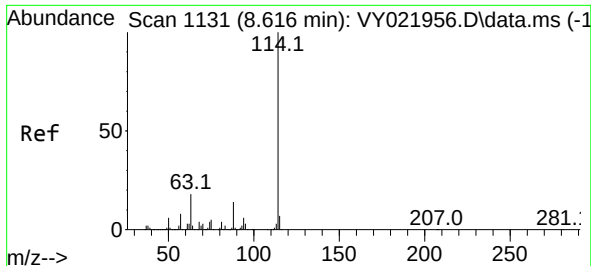
Tgt Ion: 56 Resp: 5151
Ion Ratio Lower Upper
56 100
69 163.8 29.4 44.2#
84 145.5 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 51.538 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion: 65 Resp: 142644
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

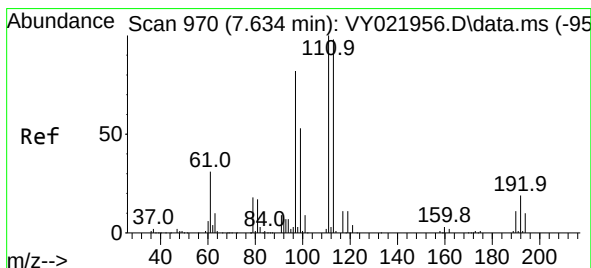
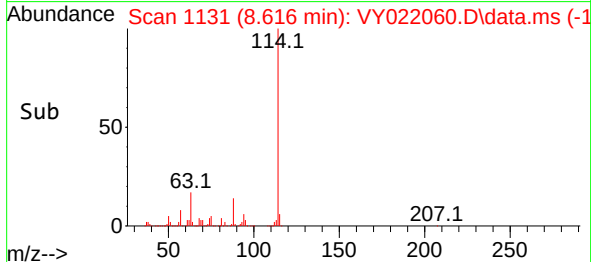
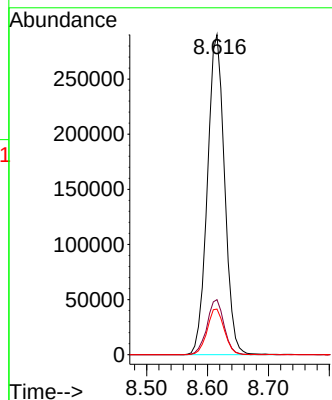
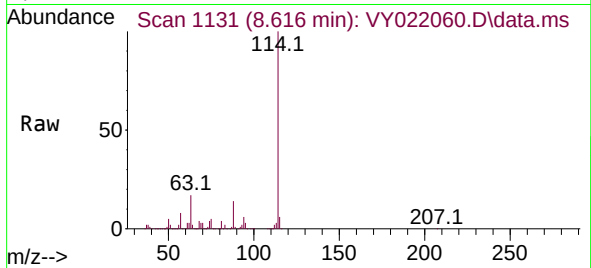




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

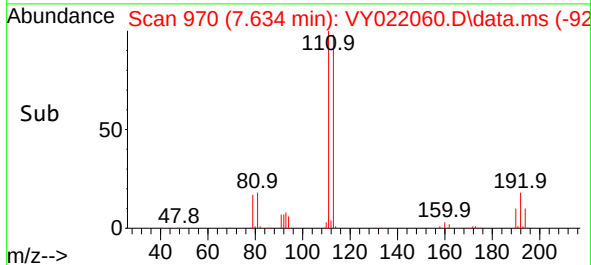
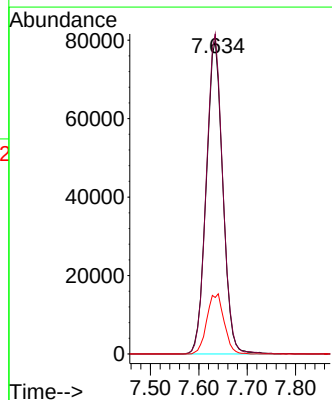
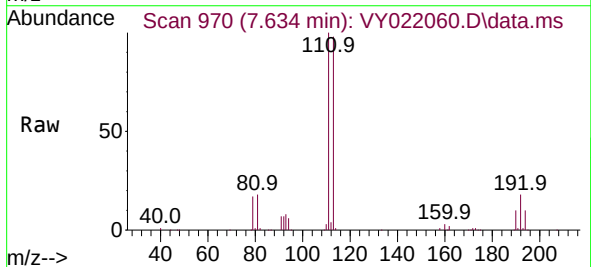
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

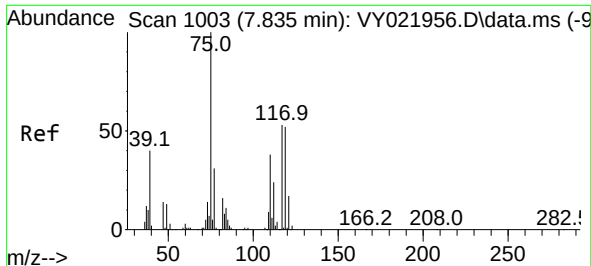
Tgt Ion:114 Resp: 567665
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.491 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion:113 Resp: 189357
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 20.0 15.6 23.4

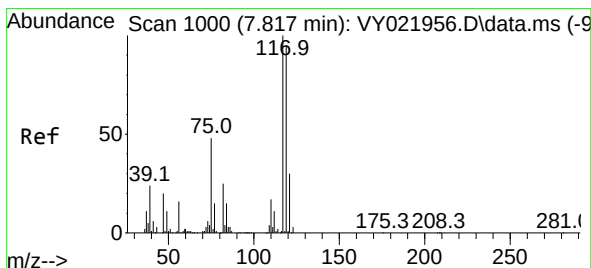
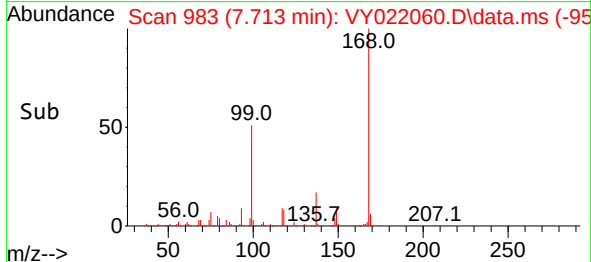
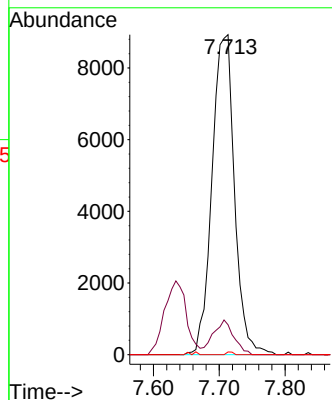
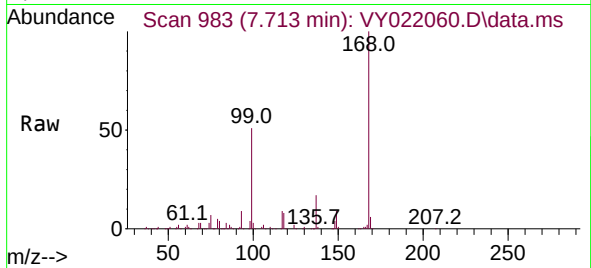




#36
 1,1-Dichloropropene
 Concen: 4.222 ug/l
 RT: 7.713 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY022060.D
 Acq: 29 Apr 2025 16:40

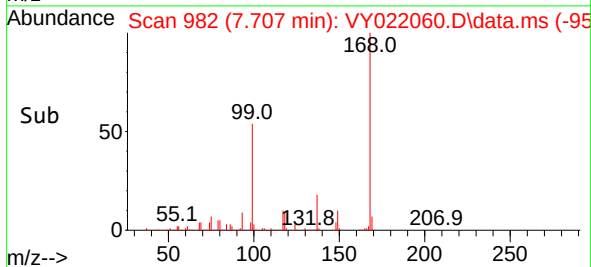
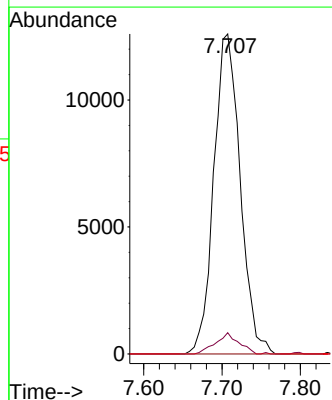
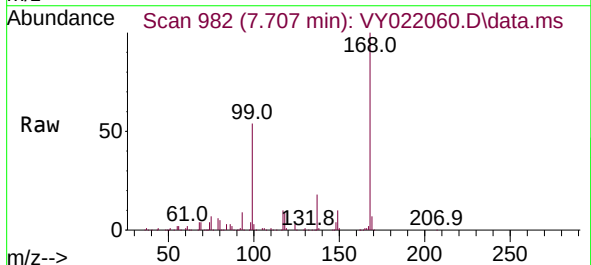
Instrument :
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 ClientSampleId :
 MH-G-VOC

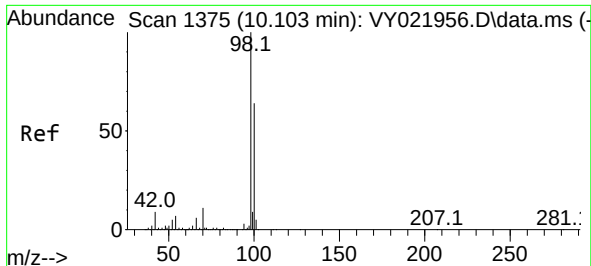
Tgt Ion: 75 Resp: 21271
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.3 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.896 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022060.D
 Acq: 29 Apr 2025 16:40

Tgt Ion: 117 Resp: 29473
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.2 114.4#
 121 0.0 24.0 36.0#

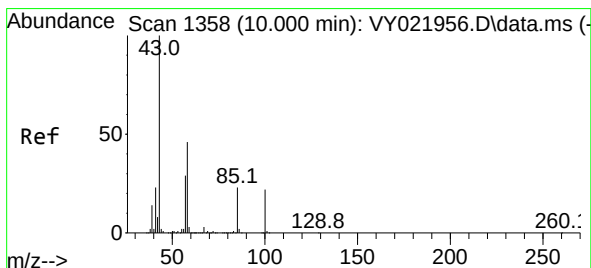
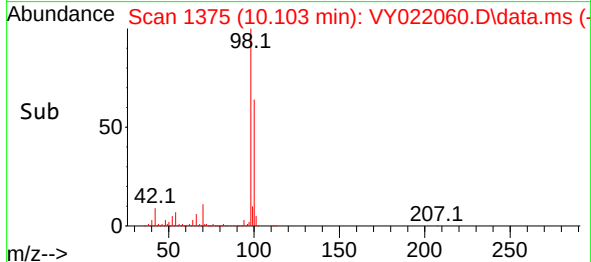
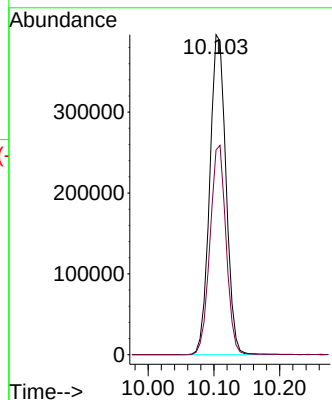
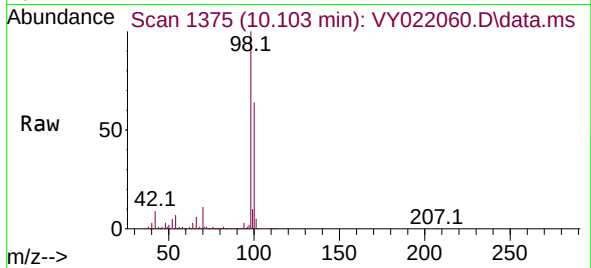




#50
Toluene-d8
Concen: 48.216 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

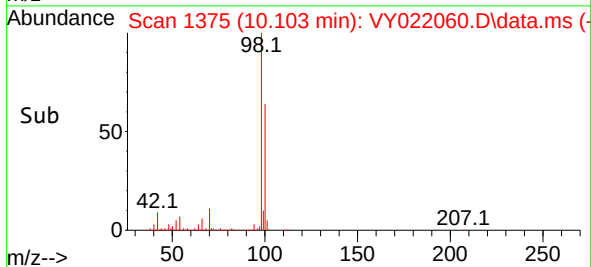
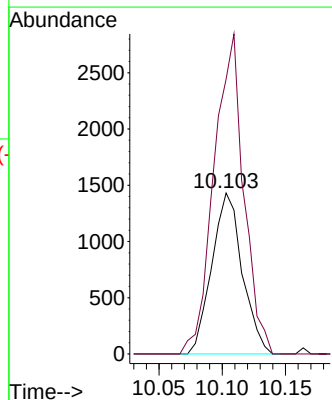
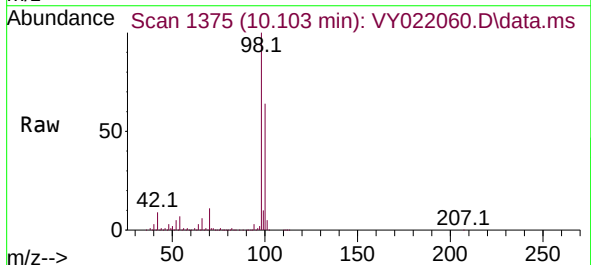
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

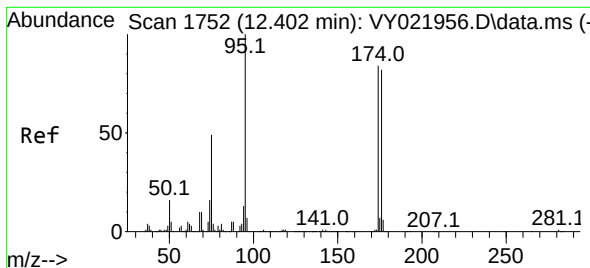
Tgt Ion: 98 Resp: 681706
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.315 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
58 194.3 36.6 55.0#

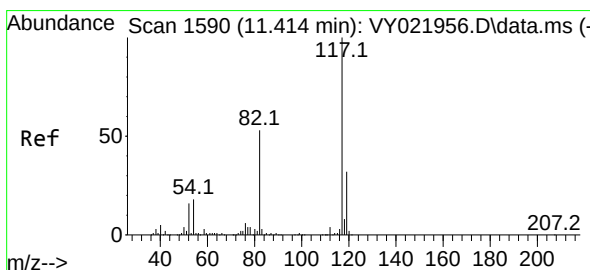
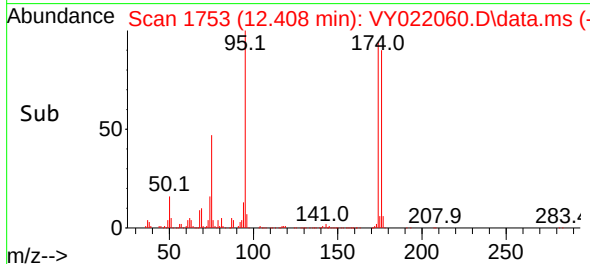
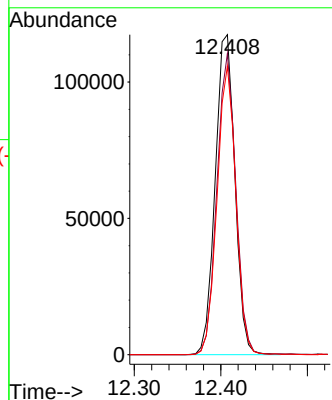
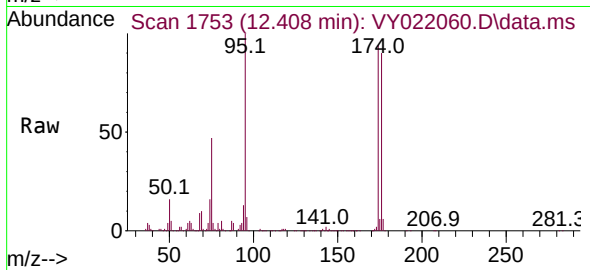




#62
4-Bromofluorobenzene
Concen: 38.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

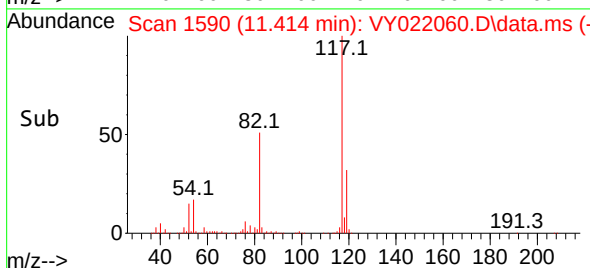
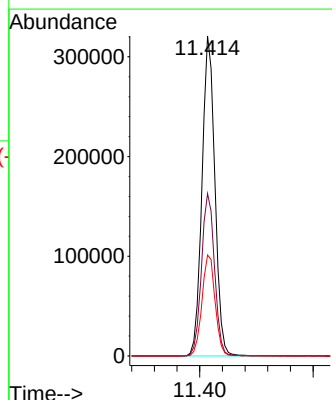
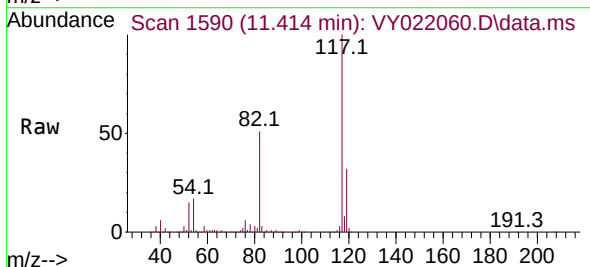
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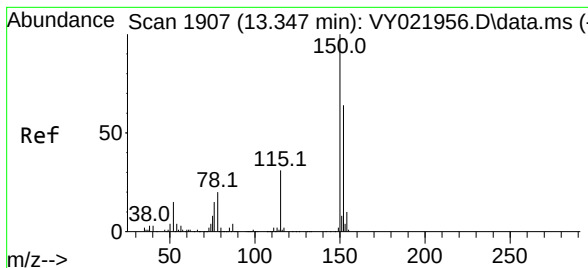
Tgt Ion: 95 Resp: 185236
Ion Ratio Lower Upper
95 100
174 90.8 0.0 179.0
176 86.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion: 117 Resp: 505205
Ion Ratio Lower Upper
117 100
82 50.7 42.1 63.1
119 31.6 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: VY022060.D

Acq: 29 Apr 2025 16:40

Instrument :

MSVOA_Y

ClientSampleId :

MH-G-VOC

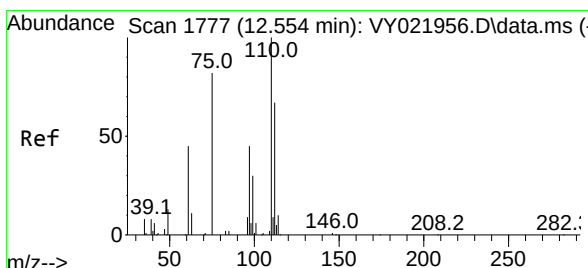
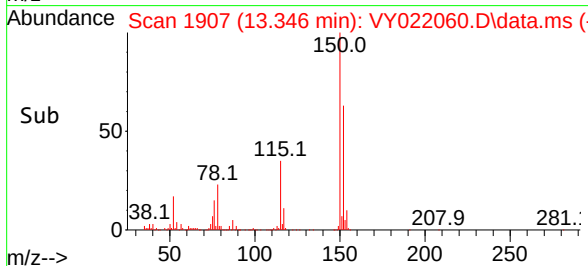
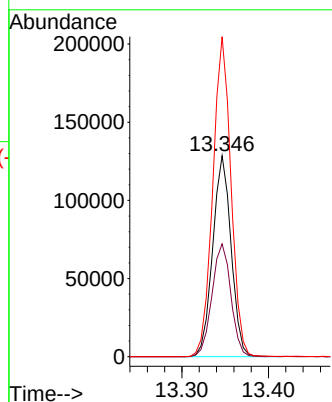
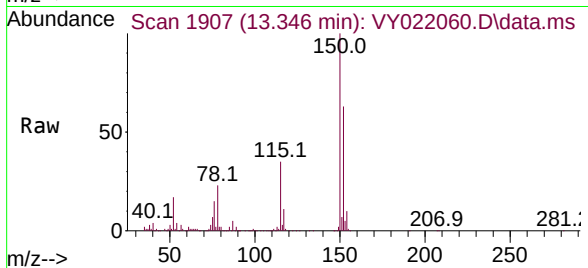
Tgt Ion:152 Resp: 189374

Ion Ratio Lower Upper

152 100

115 57.8 28.0 84.0

150 157.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.278 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022060.D

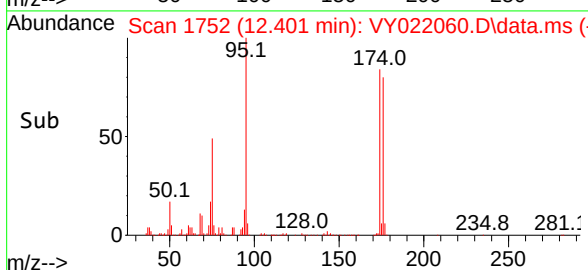
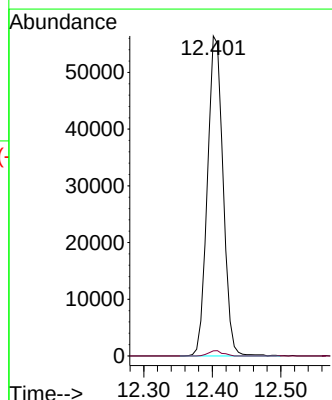
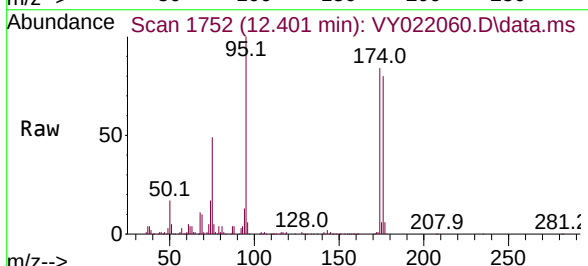
Acq: 29 Apr 2025 16:40

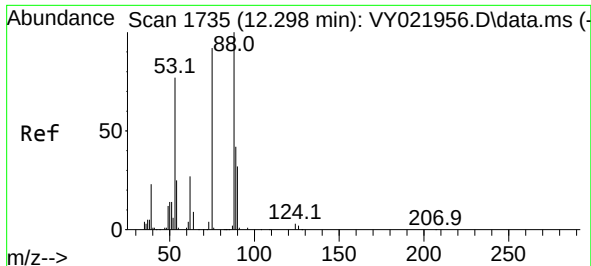
Tgt Ion: 75 Resp: 89666

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

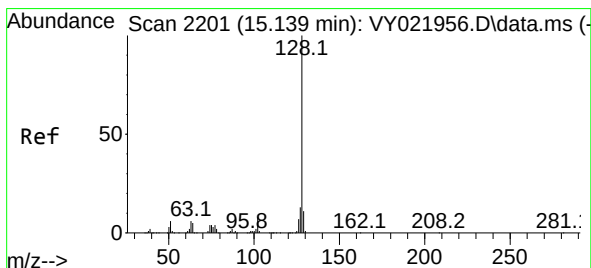
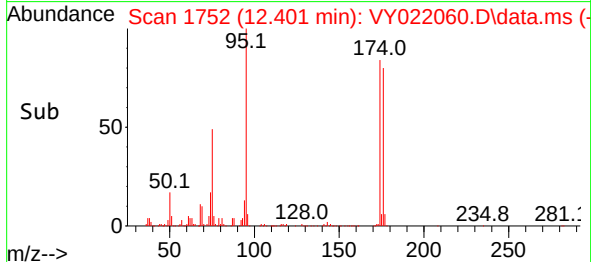
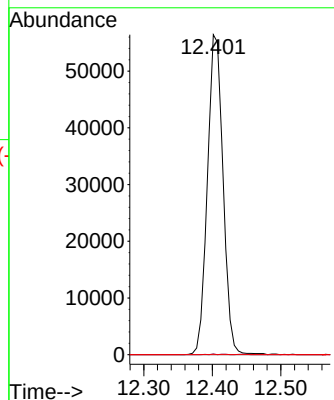
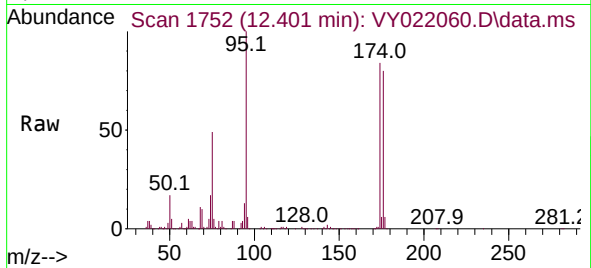




#81
trans-1,4-Dichloro-2-butene
Concen: 133.118 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

Tgt Ion: 75 Resp: 89666
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 11.242 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022060.D
Acq: 29 Apr 2025 16:40

Tgt Ion: 128 Resp: 59931
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 11.5 8.9 13.3

