

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022053.D
 Acq On : 29 Apr 2025 13:55
 Operator : SY/MD
 Sample : Q1892-03
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-G-VOC

Quant Time: Apr 30 01:33:48 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)

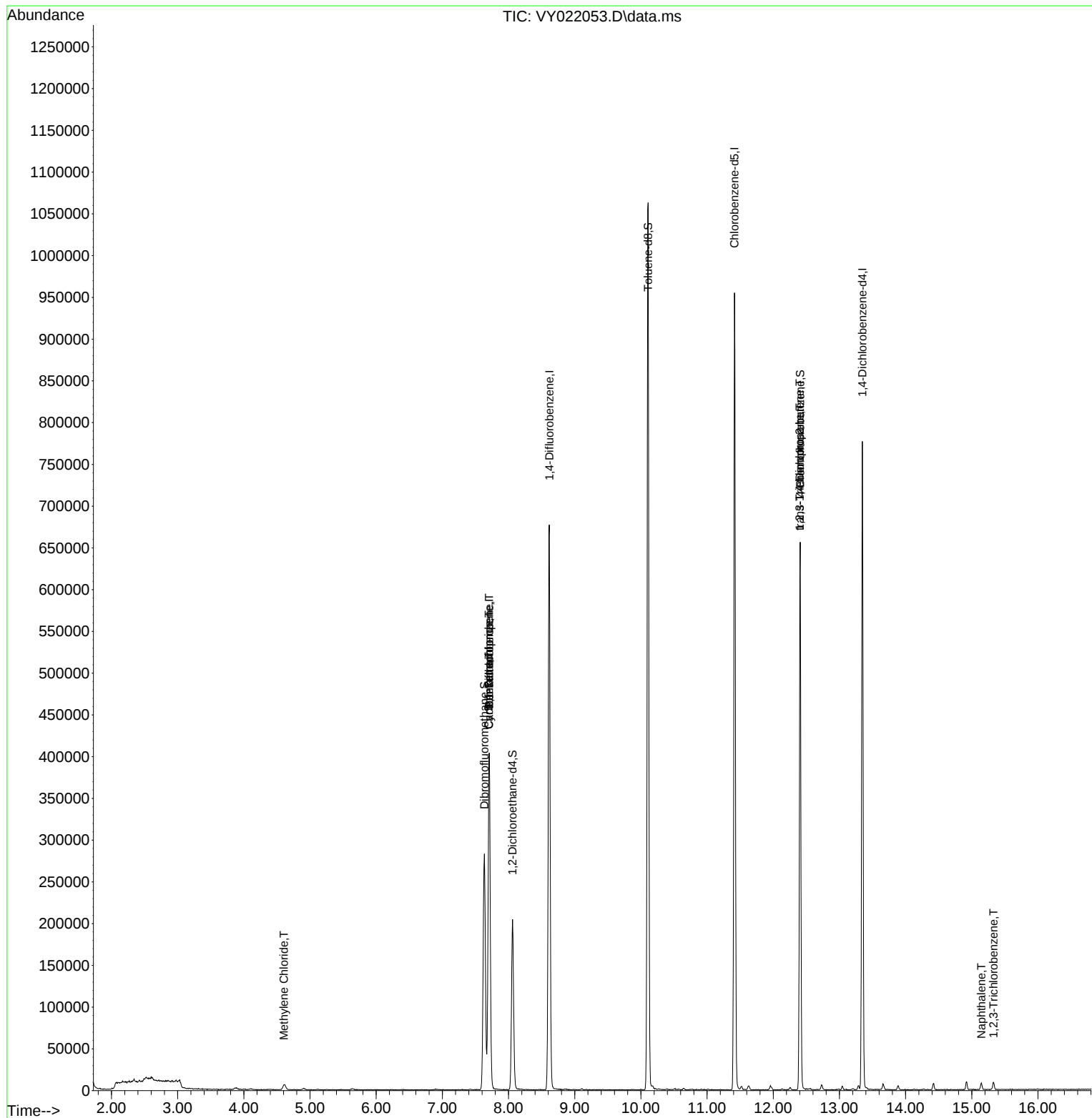
Internal Standards						
1) Pentafluorobenzene	7.707	168	318450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	610705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	534852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156935	53.353	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.634	113	203599	50.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.109	98	723434	47.561	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.408	95	199837	39.027	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.060%			
Target Compounds						
16) Acetone	3.891	43	3963	Below Cal	#	84
20) Methylene Chloride	4.604	84	4992	1.342	ug/l	89
31) Cyclohexane	7.701	56	5688	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22788	4.205	ug/l #	48
38) Carbon Tetrachloride	7.701	117	32259	4.981	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	95652	55.761	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	95652	134.282	ug/l #	16
95) Naphthalene	15.145	128	6737	1.195	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	3154	1.077	ug/l	96

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

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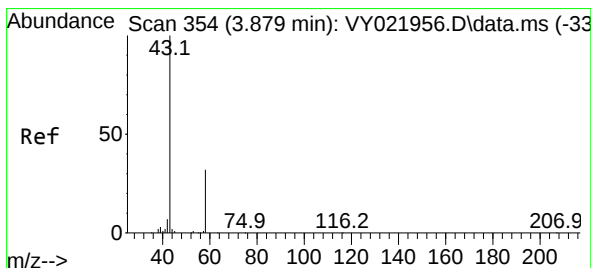
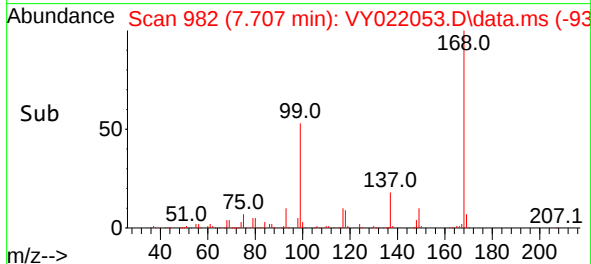
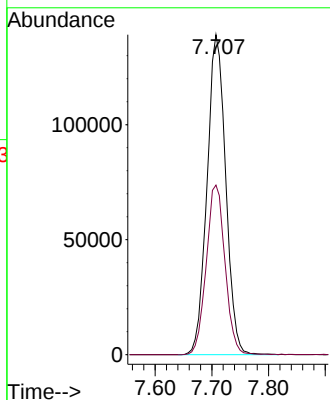
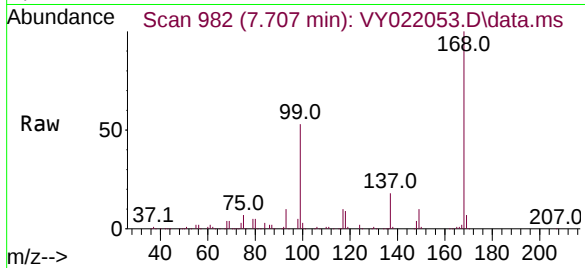




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

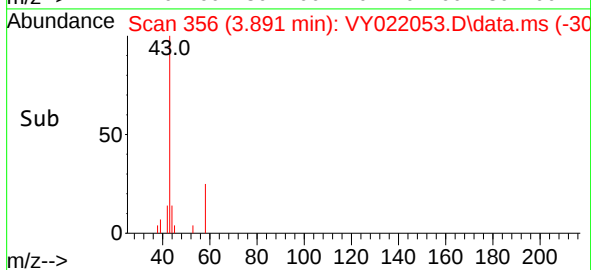
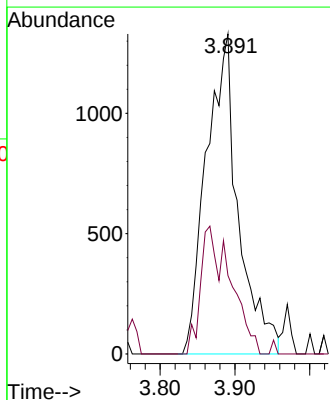
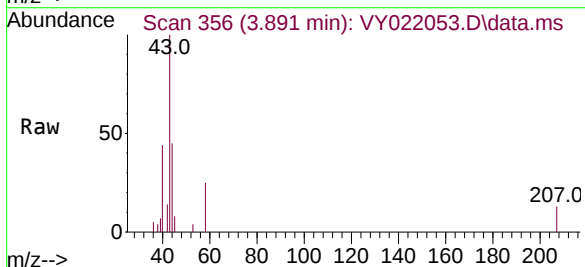
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

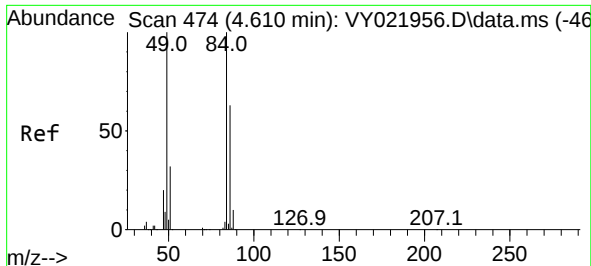
Tgt Ion:168 Resp: 318450
Ion Ratio Lower Upper
168 100
99 53.0 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
58 24.5 27.0 40.4#

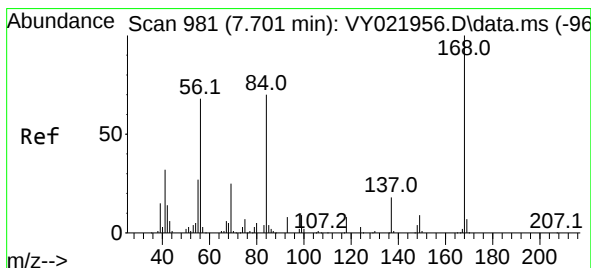
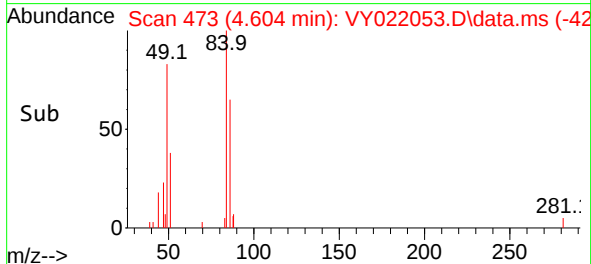
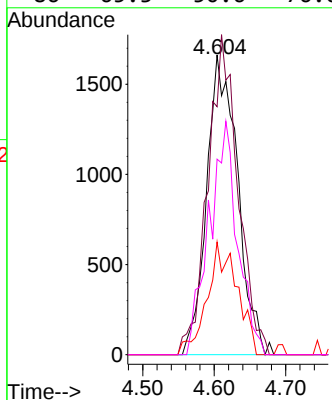
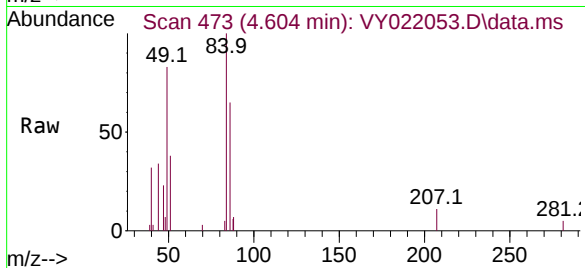




#20
Methylene Chloride
Concen: 1.342 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

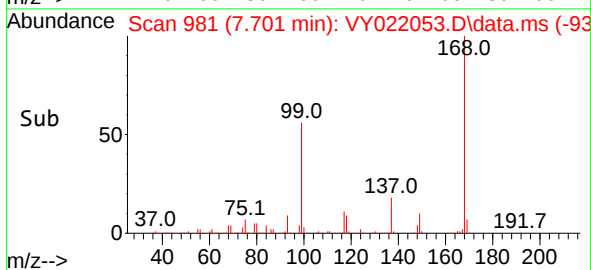
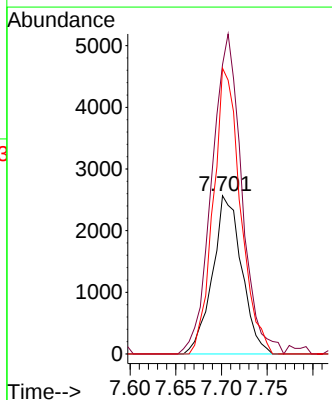
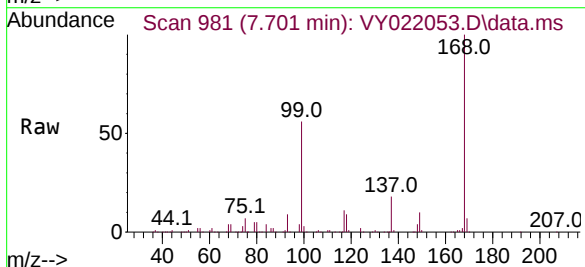
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

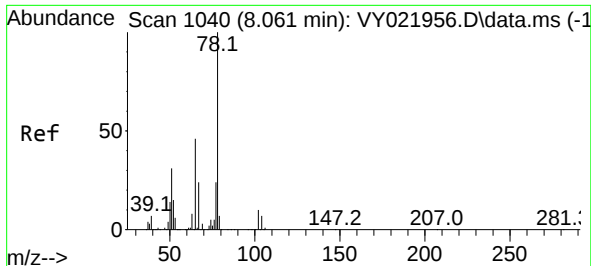
Tgt Ion:	84	Resp:	4992
Ion	Ratio	Lower	Upper
84	100		
49	82.8	79.9	119.9
51	37.6	25.4	38.0
86	65.3	50.6	76.0



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion:	56	Resp:	5688
Ion	Ratio	Lower	Upper
56	100		
69	182.9	29.4	44.2#
84	180.6	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.353 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022053.D

Acq: 29 Apr 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

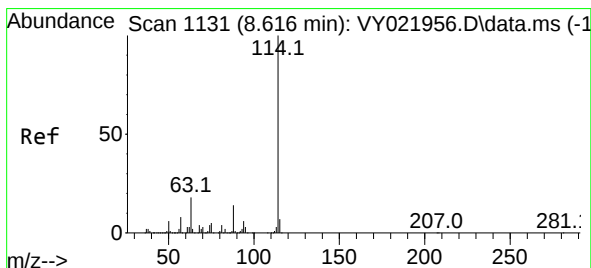
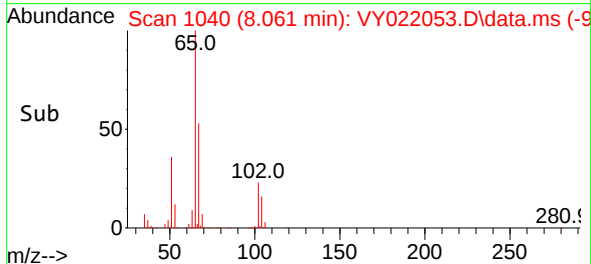
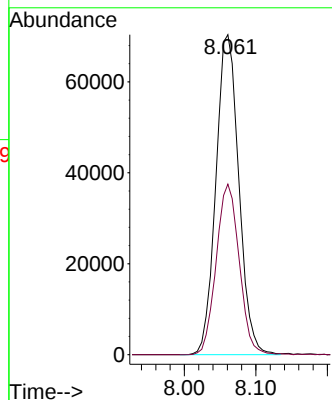
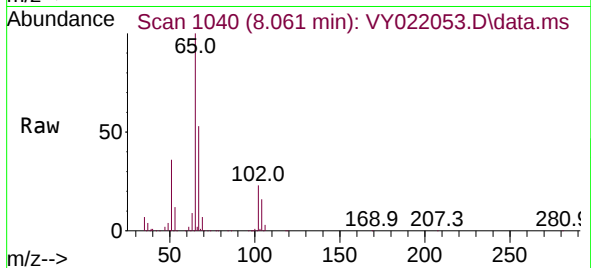
MH-G-VOC

Tgt Ion: 65 Resp: 156935

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022053.D

Acq: 29 Apr 2025 13:55

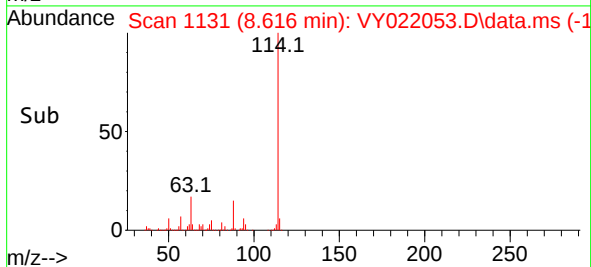
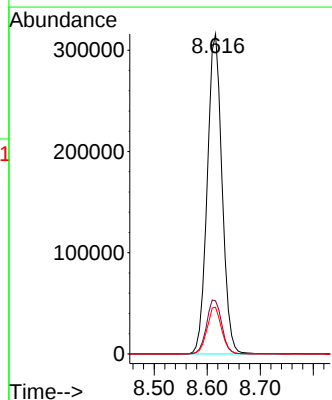
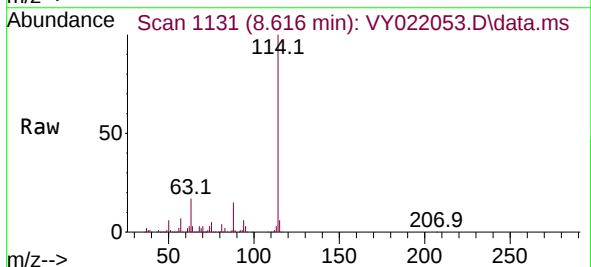
Tgt Ion: 114 Resp: 610705

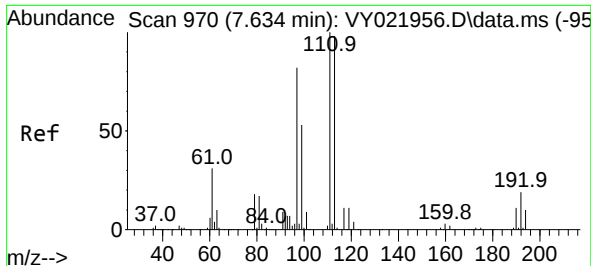
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

88 14.6 0.0 28.2

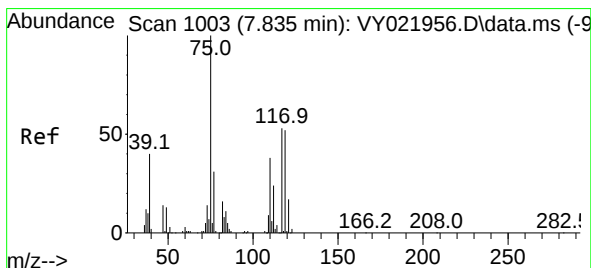
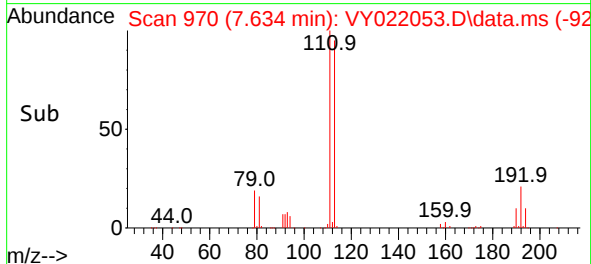
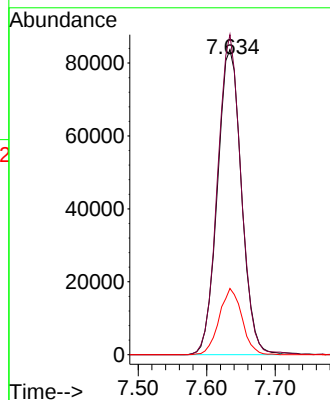
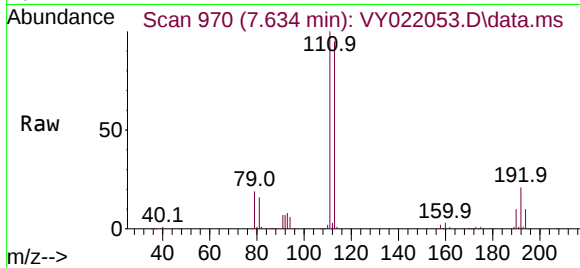




#35
Dibromofluoromethane
Concen: 50.463 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

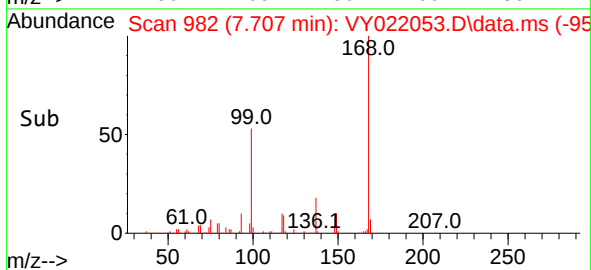
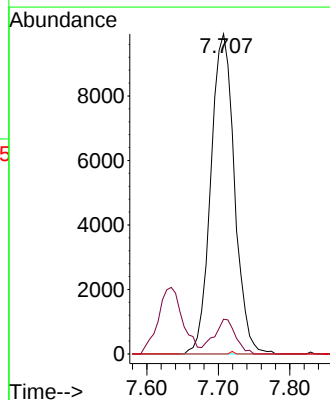
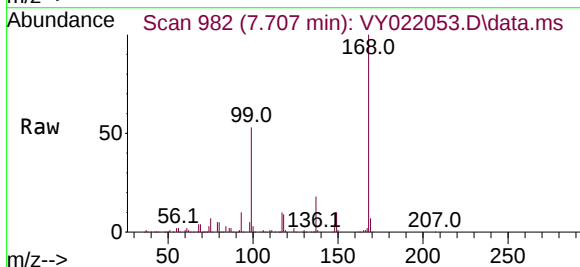
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

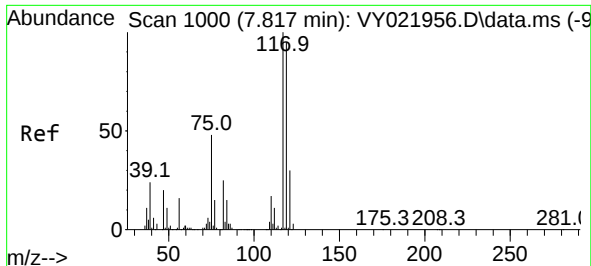
Tgt Ion:113 Resp: 203599
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 20.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion: 75 Resp: 22788
Ion Ratio Lower Upper
75 100
110 9.8 19.1 57.3#
77 0.1 25.5 38.3#

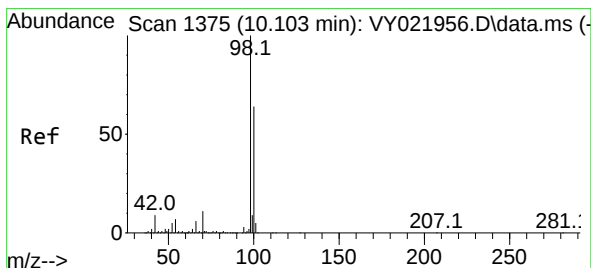
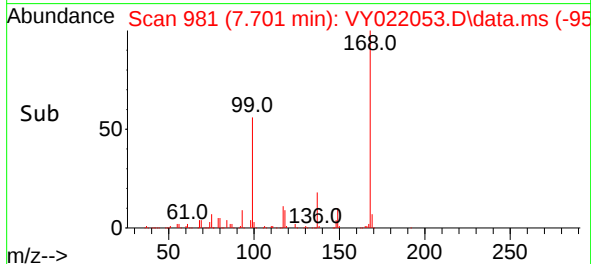
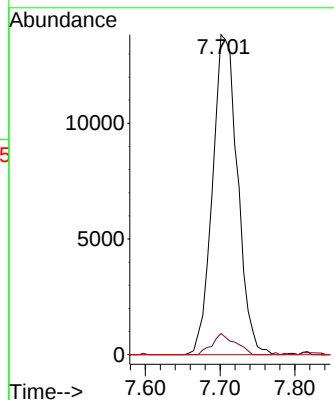
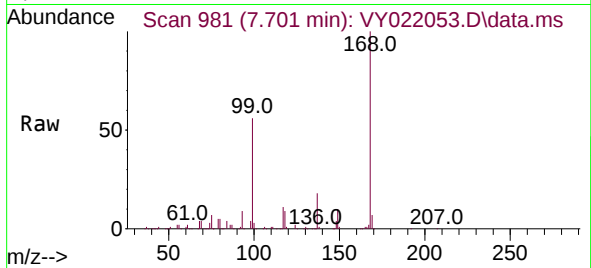




#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

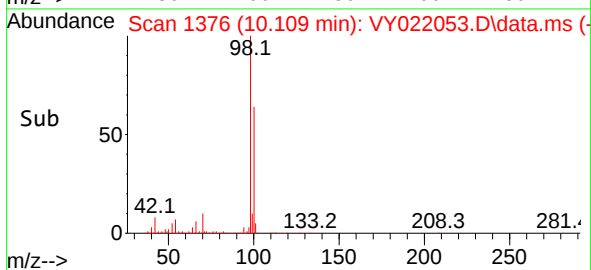
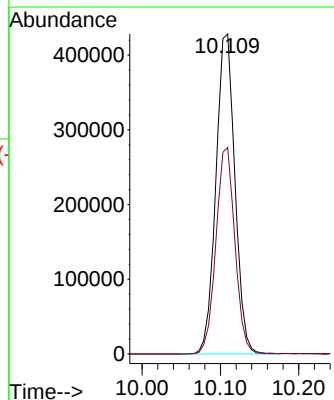
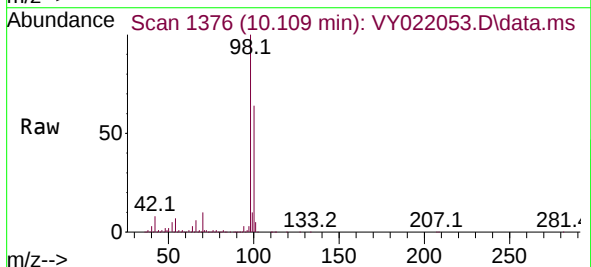
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

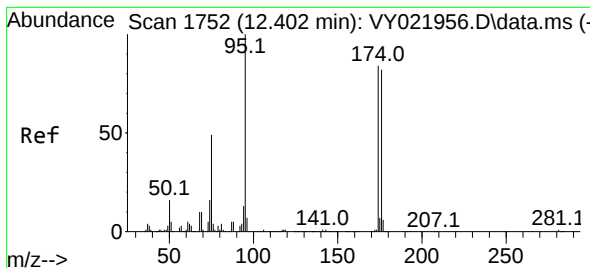
Tgt Ion:117 Resp: 32259
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.561 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion: 98 Resp: 723434
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

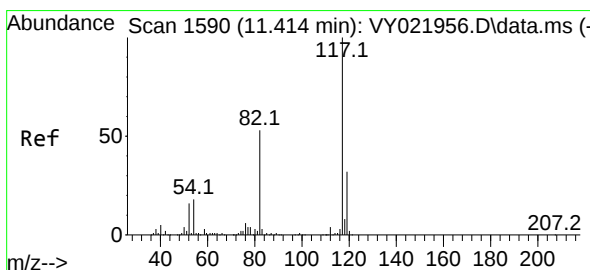
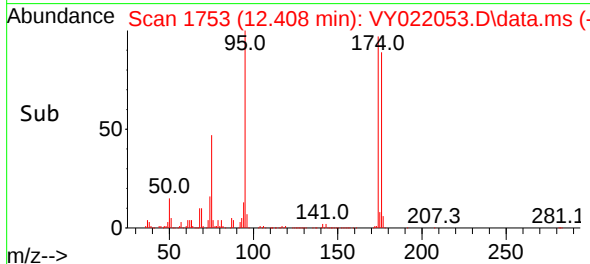
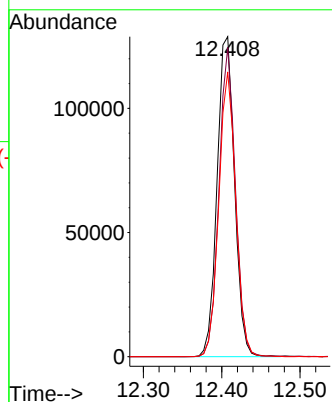
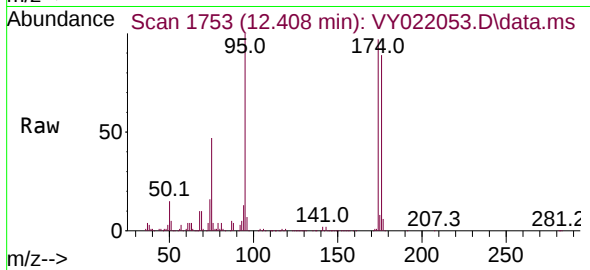




#62
4-Bromofluorobenzene
Concen: 39.027 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

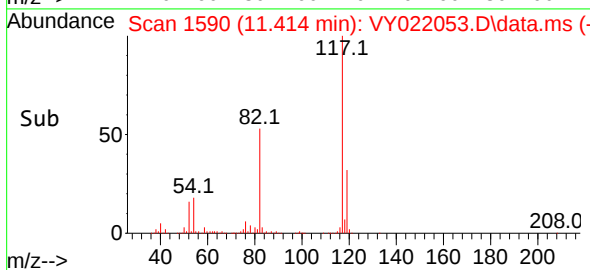
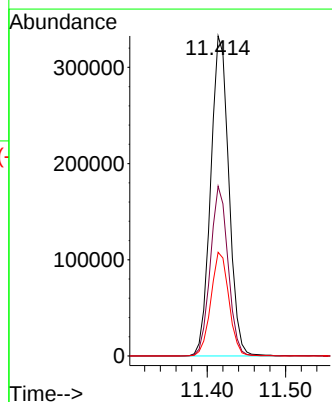
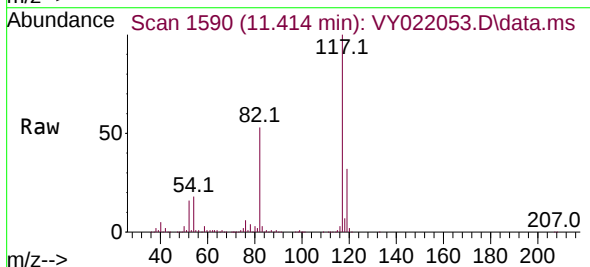
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ClientSampleId :
MH-G-VOC

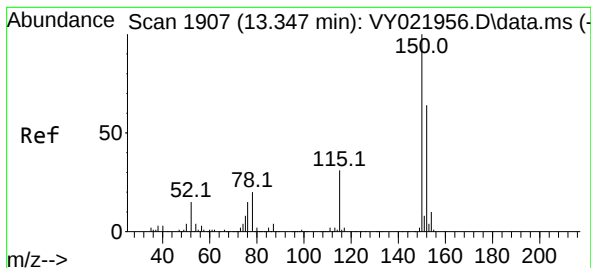
Tgt Ion: 95 Resp: 199837
Ion Ratio Lower Upper
95 100
174 91.3 0.0 179.0
176 86.6 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion: 117 Resp: 534852
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.4 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: VY022053.D

Acq: 29 Apr 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

MH-G-VOC

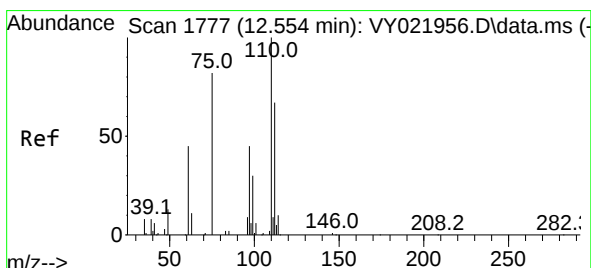
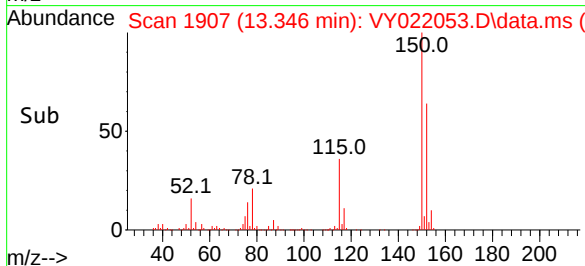
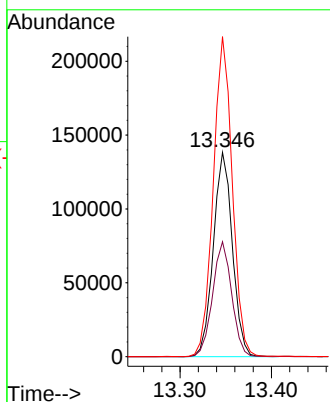
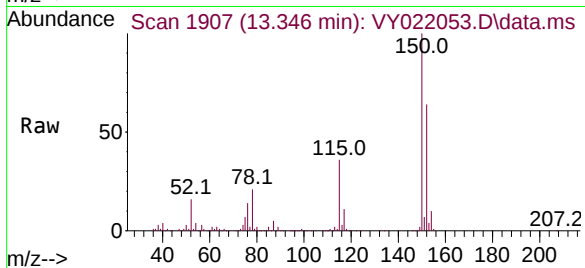
Tgt Ion:152 Resp: 200266

Ion Ratio Lower Upper

152 100

115 56.4 28.0 84.0

150 156.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.761 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022053.D

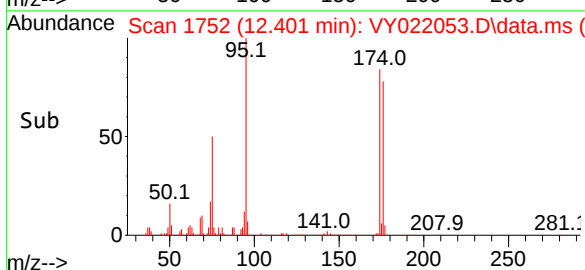
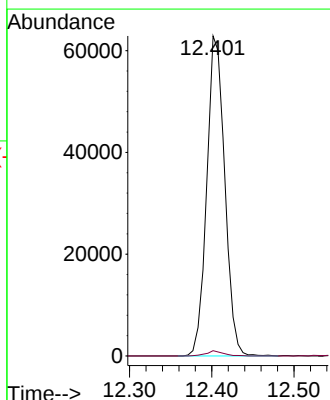
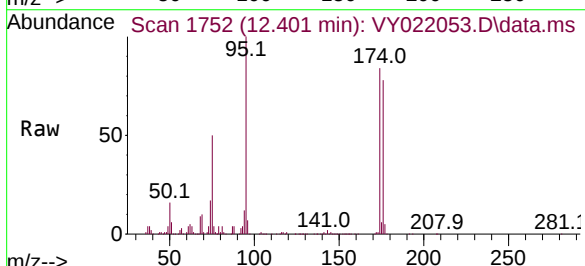
Acq: 29 Apr 2025 13:55

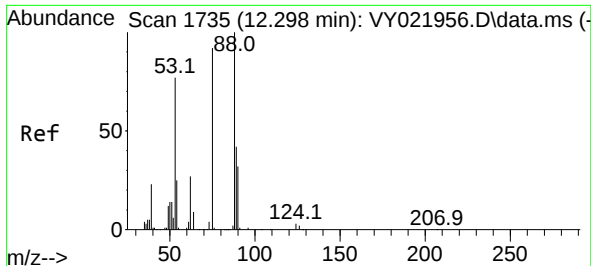
Tgt Ion: 75 Resp: 95652

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

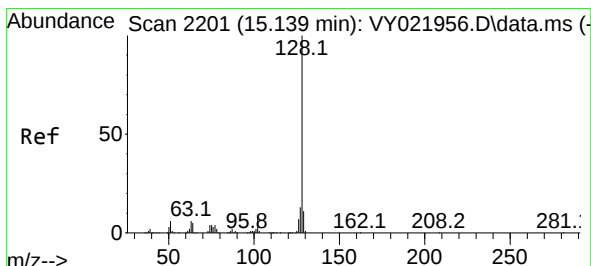
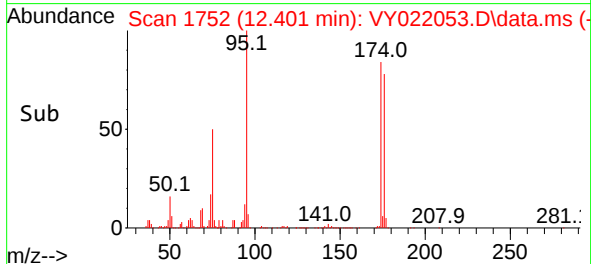
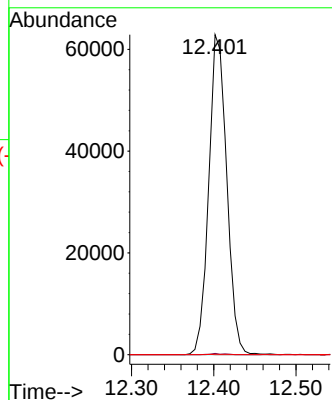
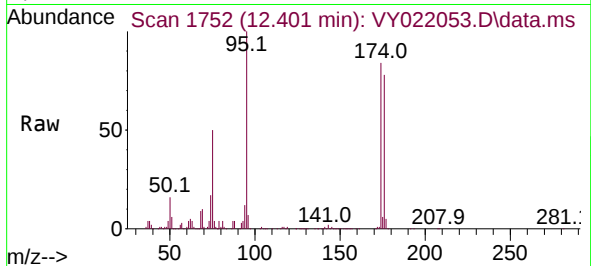




#81
trans-1,4-Dichloro-2-butene
Concen: 134.282 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

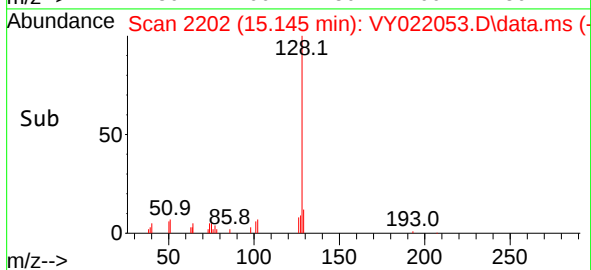
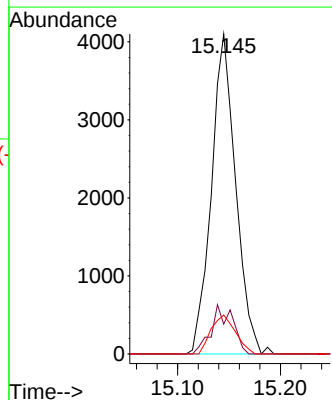
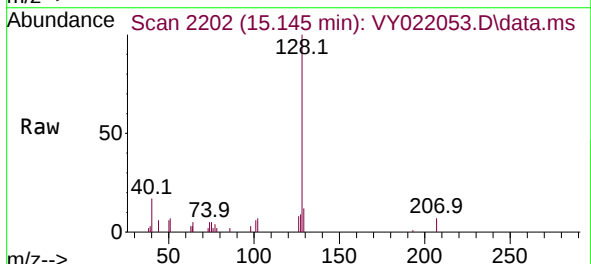
Instrument :
MSVOA_Y
ClientSampleId :
MH-G-VOC

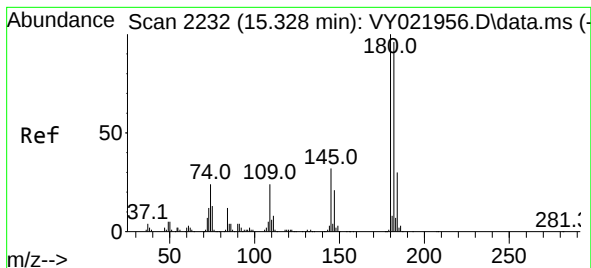
Tgt Ion: 75 Resp: 95652
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.195 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022053.D
Acq: 29 Apr 2025 13:55

Tgt Ion: 128 Resp: 6737
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 12.2 8.9 13.3





#96

1,2,3-Trichlorobenzene

Concen: 1.077 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022053.D

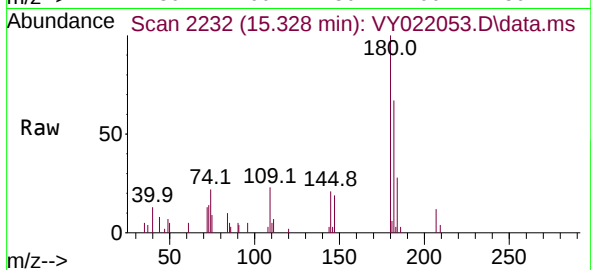
Acq: 29 Apr 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

MH-G-VOC



Tgt Ion:	180	Resp:	3154
Ion	Ratio	Lower	Upper
180	100		
182	91.6	48.1	144.4
145	33.4	16.0	48.0

