

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022055.D
 Acq On : 29 Apr 2025 14:43
 Operator : SY/MD
 Sample : Q1892-11
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-U2-VOC

Quant Time: Apr 30 01:34:09 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)

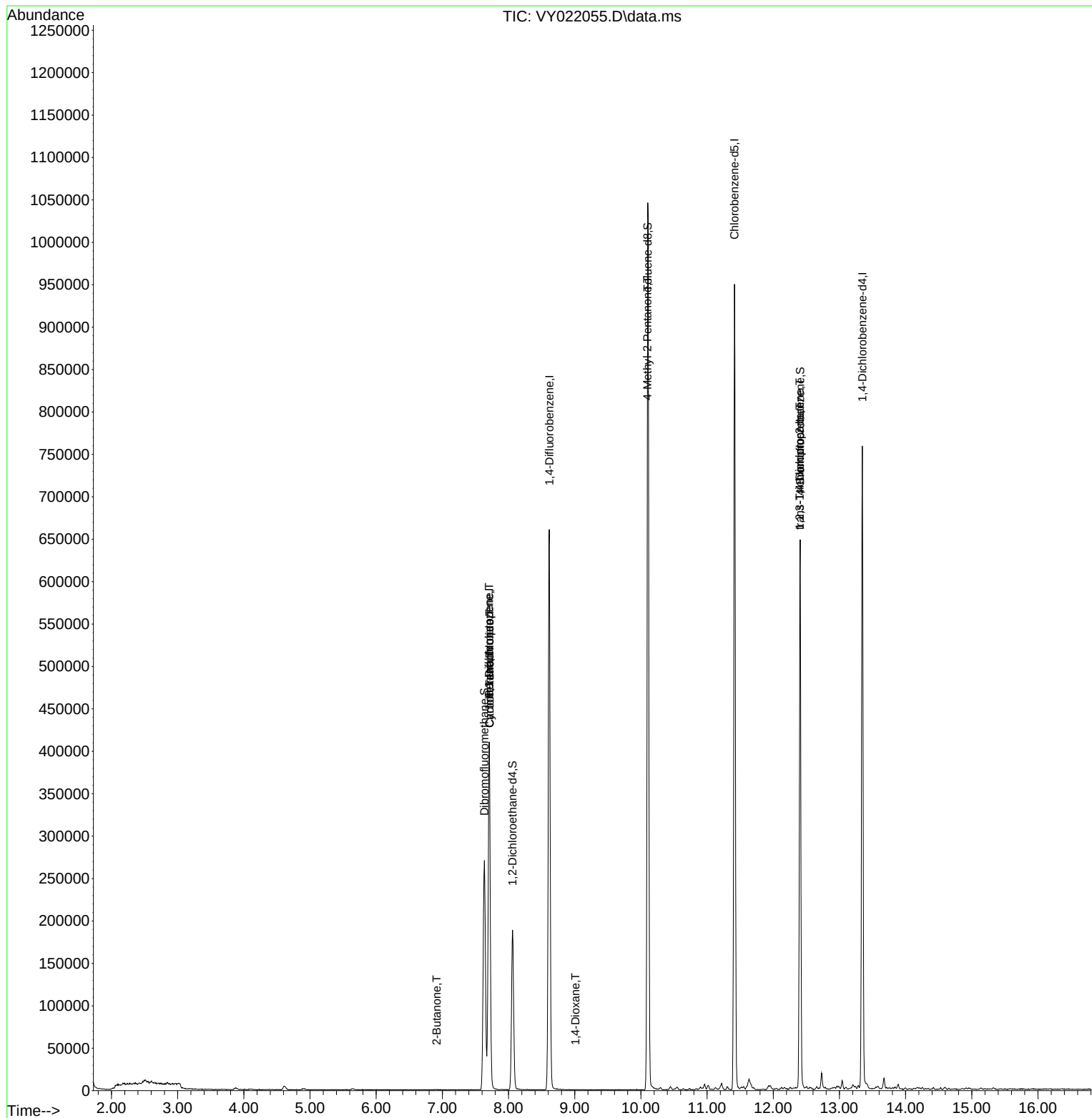
Internal Standards						
1) Pentafluorobenzene	7.707	168	311776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	589625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	533441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	202589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147719	51.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.580%	
35) Dibromofluoromethane	7.634	113	196184	50.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.720%	
50) Toluene-d8	10.103	98	709934	48.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.680%	
62) 4-Bromofluorobenzene	12.408	95	200696	40.596	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.200%	
Target Compounds						
16) Acetone	3.879	43	3479	Below Cal	#	85
25) 2-Butanone	6.915	43	684	1.042	ug/l #	41
31) Cyclohexane	7.713	56	5757	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22418	4.284	ug/l #	48
38) Carbon Tetrachloride	7.713	117	31192	4.989	ug/l #	16
49) 1,4-Dioxane	9.012	88	41	1.699	ug/l #	28
51) 4-Methyl-2-Pentanone	10.097	43	2305	1.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	95782	55.197	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	95782	132.923	ug/l #	16

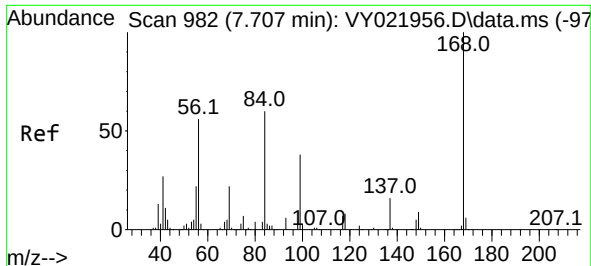
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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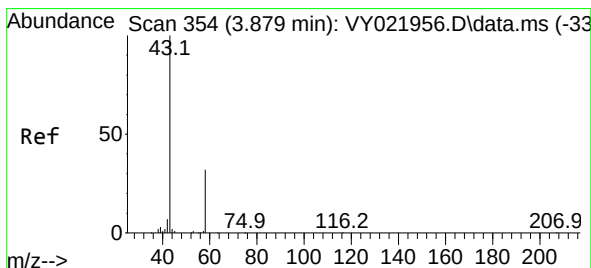
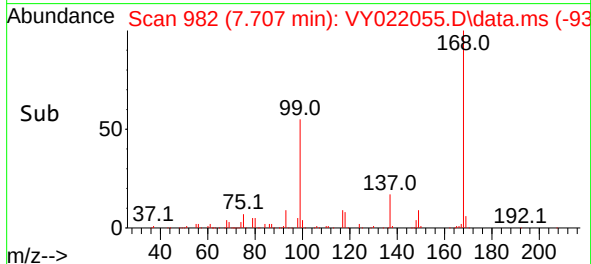
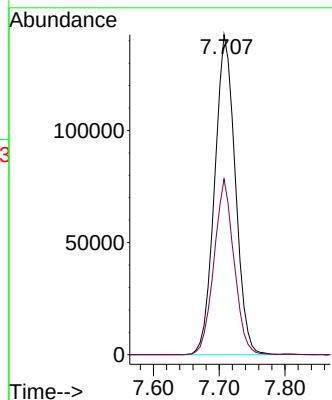
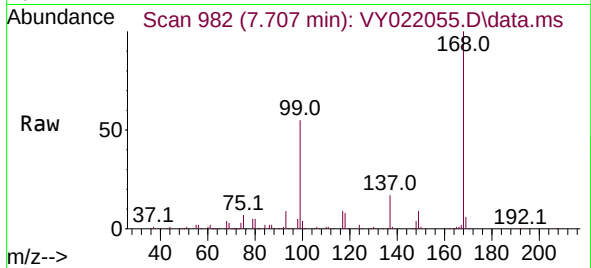




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

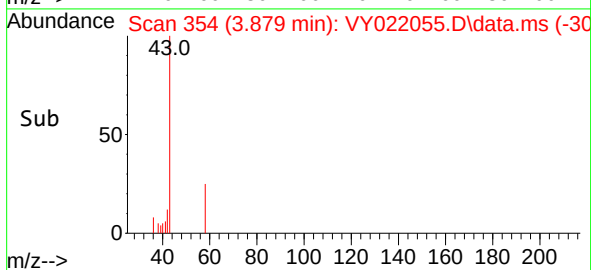
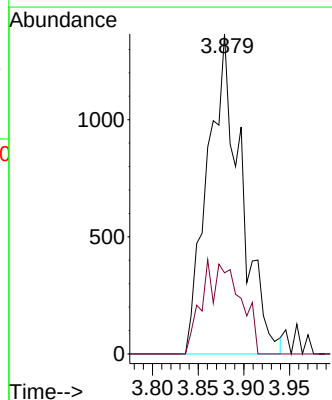
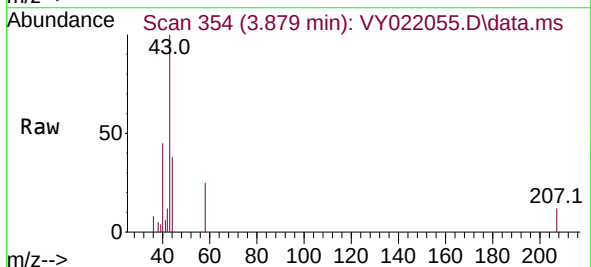
Instrument :
MSVOA_Y
ClientSampleId :
MH-U2-VOC

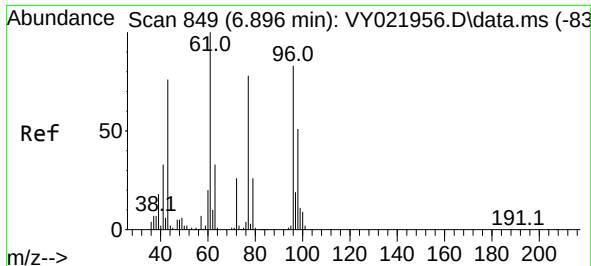
Tgt Ion:168 Resp: 311776
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
58 25.3 27.0 40.4#

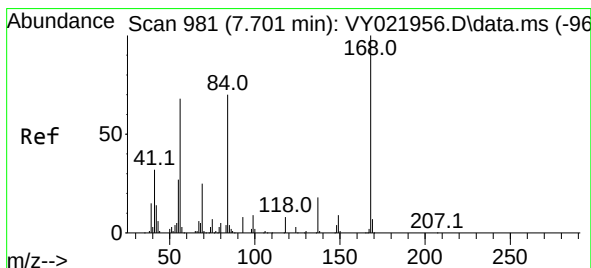
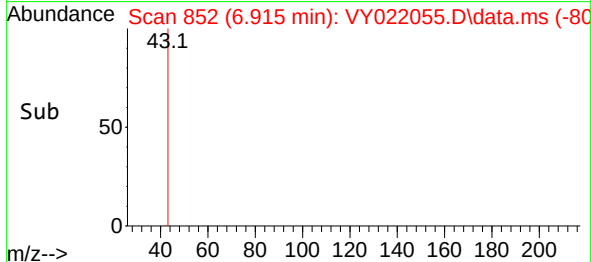
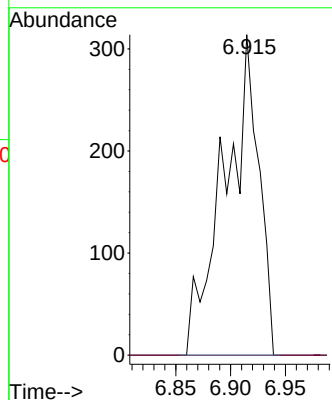
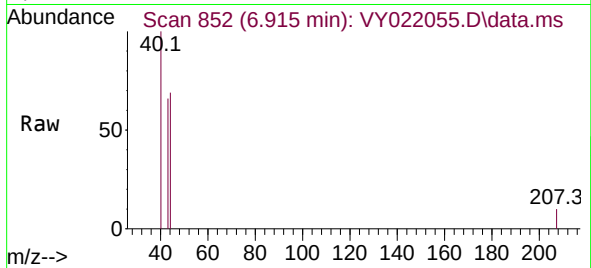




#25
2-Butanone
Concen: 1.042 ug/l
RT: 6.915 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

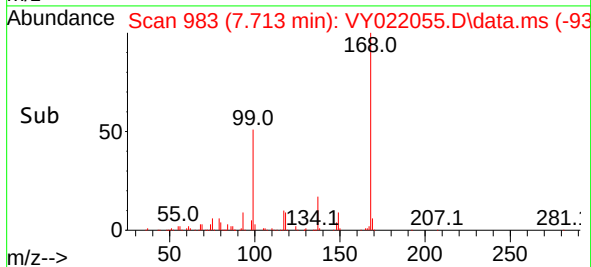
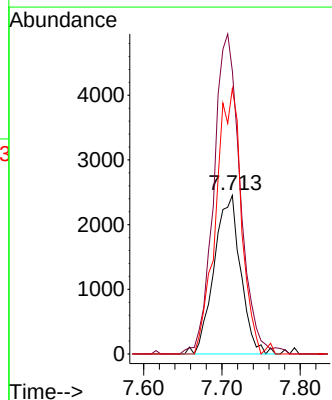
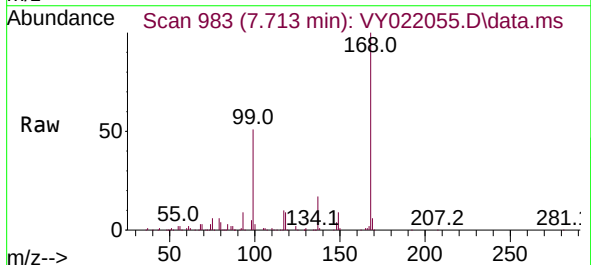
Instrument :
MSVOA_Y
ClientSampleId :
MH-U2-VOC

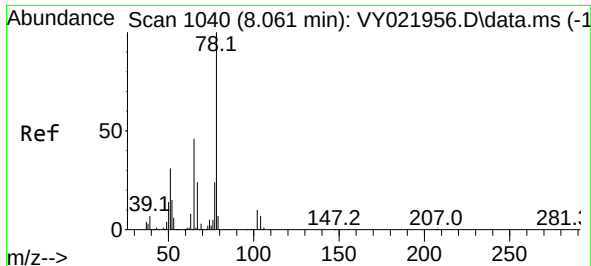
Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
72 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 56 Resp: 5757
Ion Ratio Lower Upper
56 100
69 178.4 29.4 44.2#
84 167.4 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 51.295 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022055.D

Acq: 29 Apr 2025 14:43

Instrument :

MSVOA_Y

ClientSampleId :

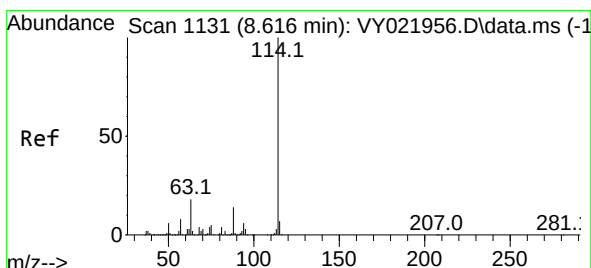
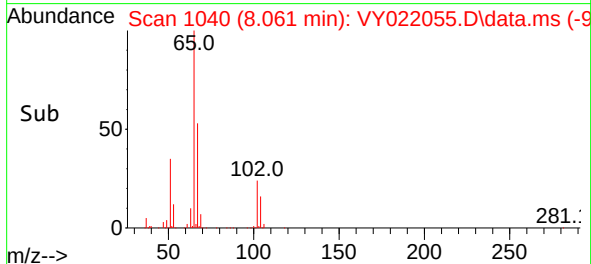
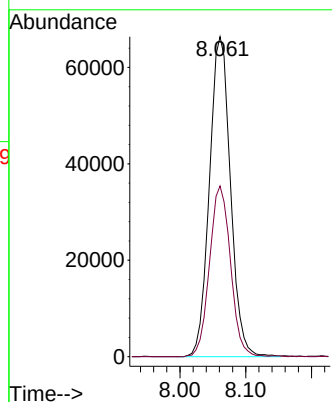
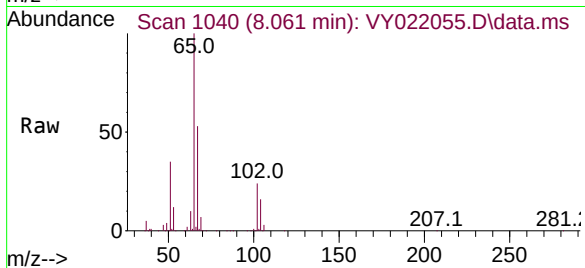
MH-U2-VOC

Tgt Ion: 65 Resp: 147719

Ion Ratio Lower Upper

65 100

67 53.1 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: VY022055.D

Acq: 29 Apr 2025 14:43

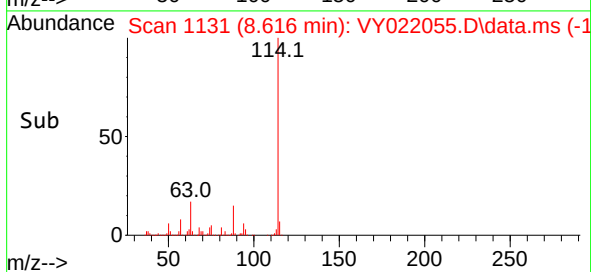
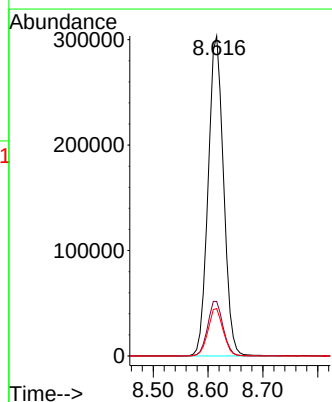
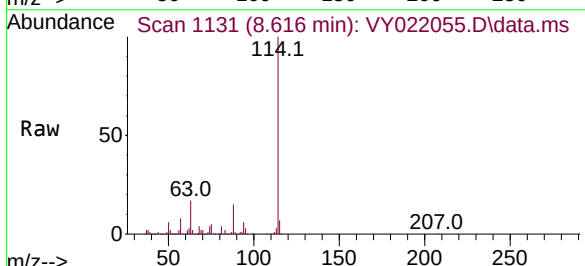
Tgt Ion: 114 Resp: 589625

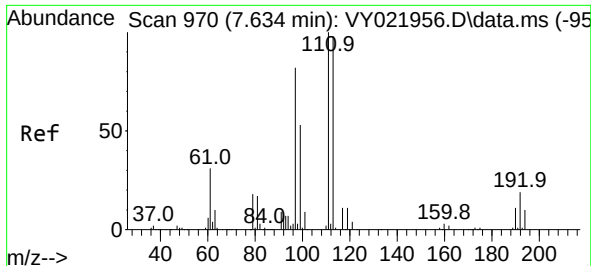
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 14.8 0.0 28.2

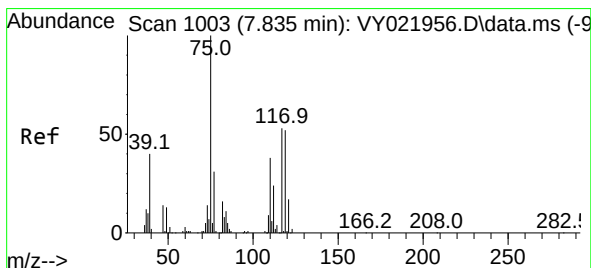
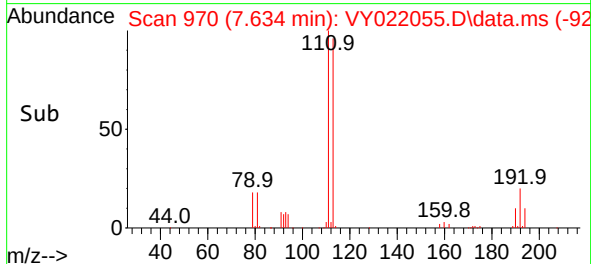
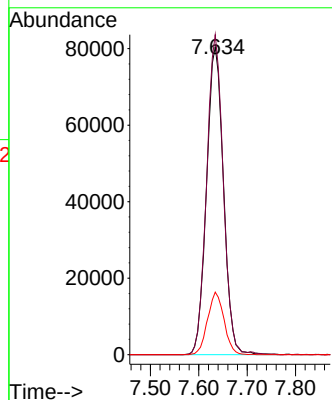
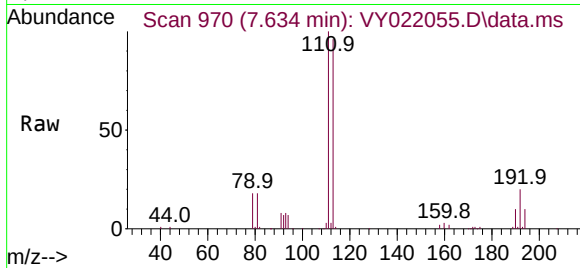




#35
Dibromofluoromethane
Concen: 50.363 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

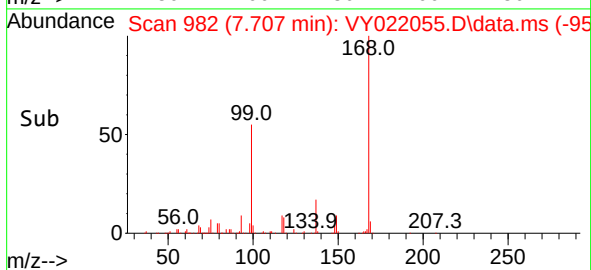
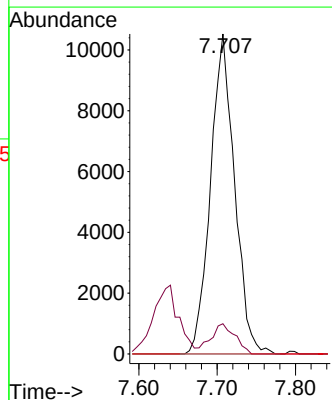
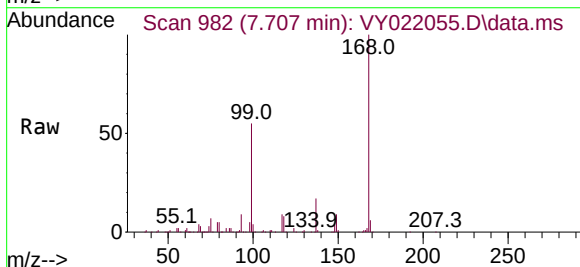
Instrument :
MSVOA_Y
ClientSampleId :
MH-U2-VOC

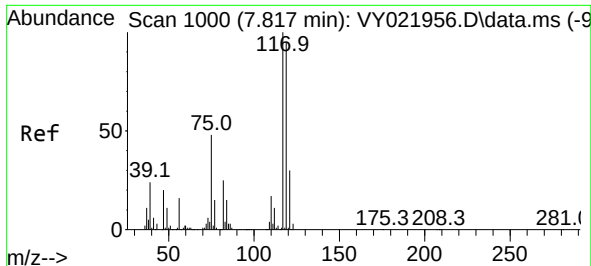
Tgt Ion:113 Resp: 196184
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 19.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.284 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 75 Resp: 22418
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.5 38.3#

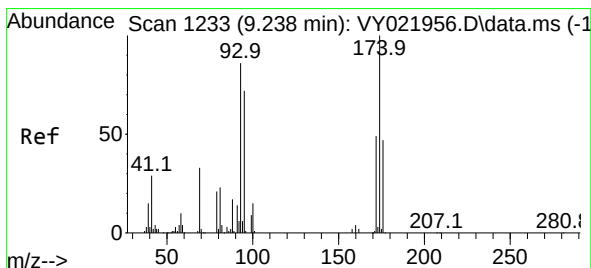
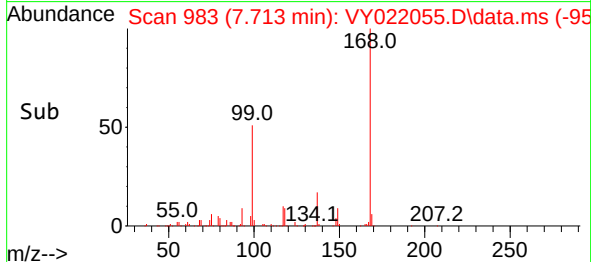
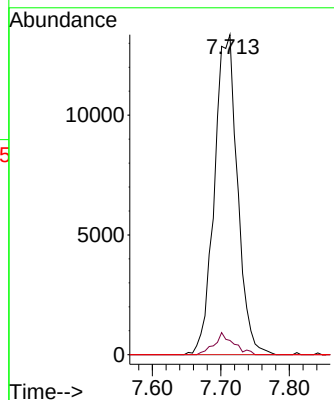
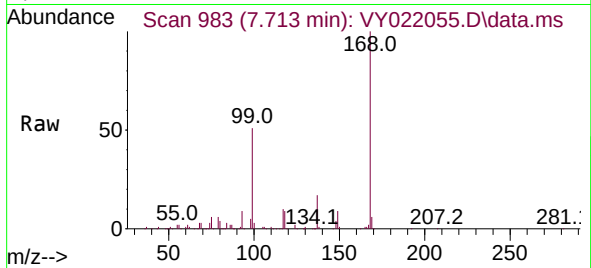




#38
Carbon Tetrachloride
Concen: 4.989 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

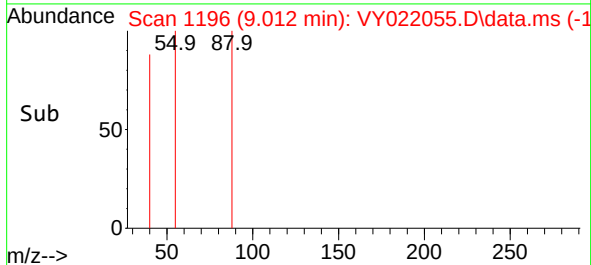
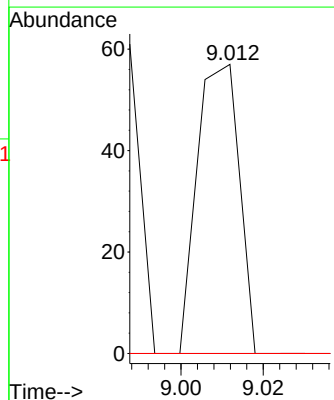
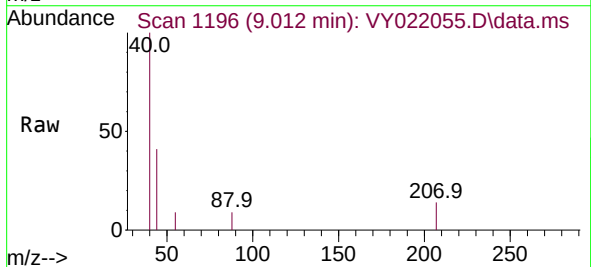
Instrument :
MSVOA_Y
ClientSampleId :
MH-U2-VOC

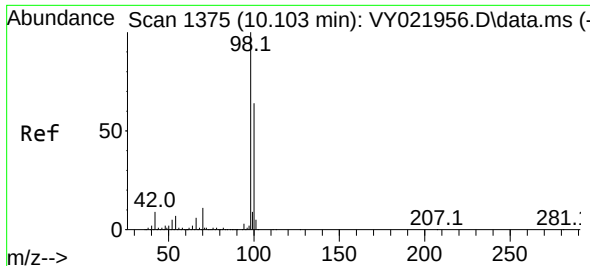
Tgt Ion:117 Resp: 31192
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.699 ug/l
RT: 9.012 min Scan# 1196
Delta R.T. -0.226 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

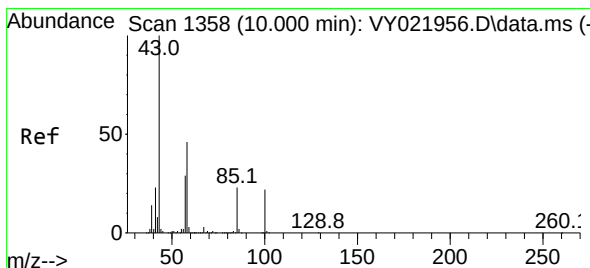
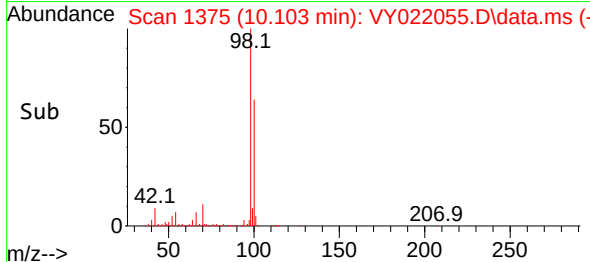
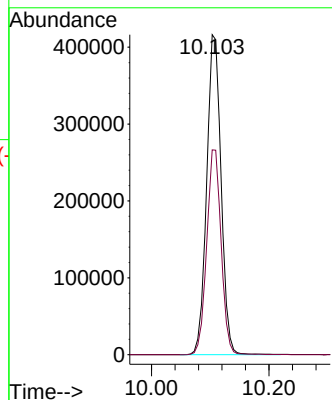
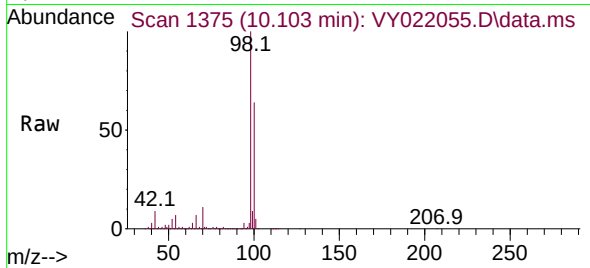




#50
Toluene-d8
Concen: 48.342 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

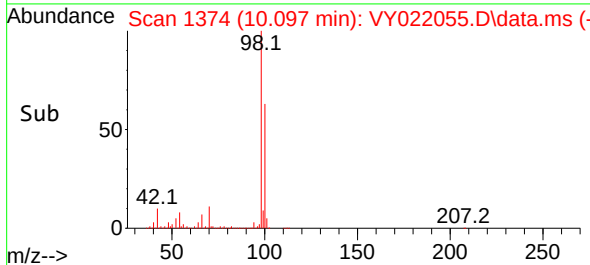
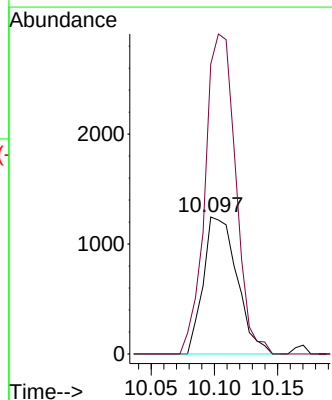
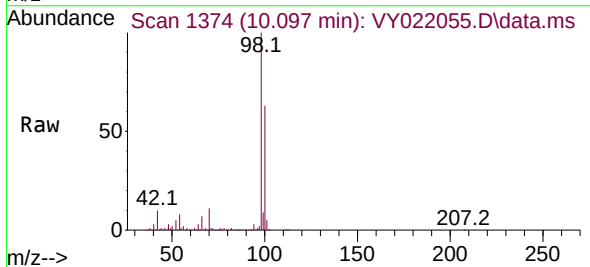
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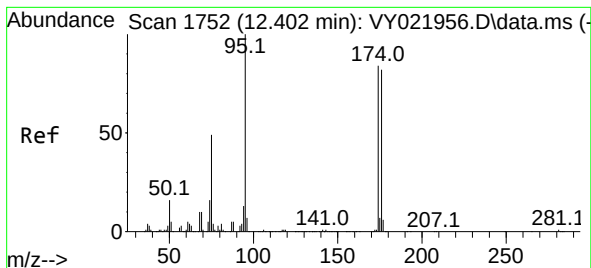
Tgt Ion: 98 Resp: 709934
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 213.0 36.6 55.0#

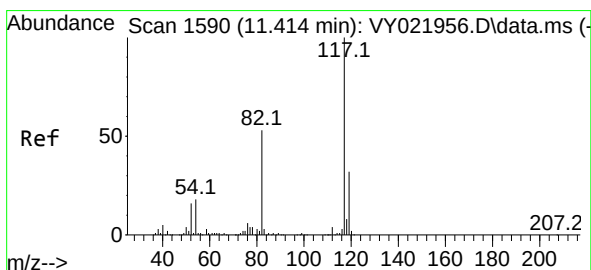
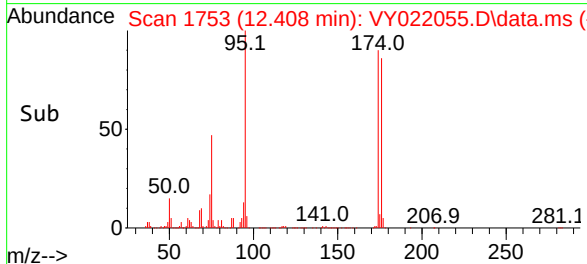
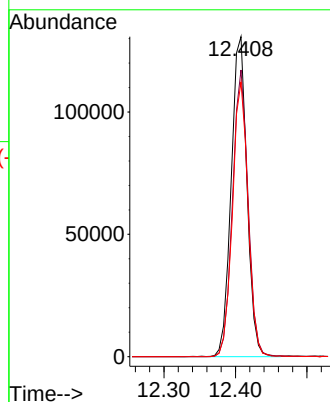
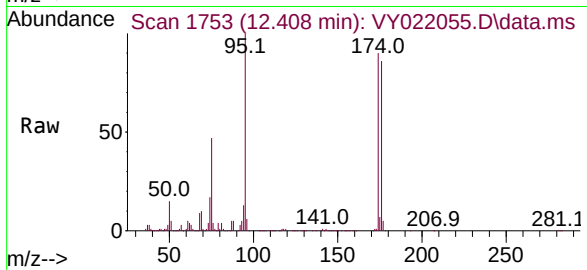




#62
4-Bromofluorobenzene
Concen: 40.596 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

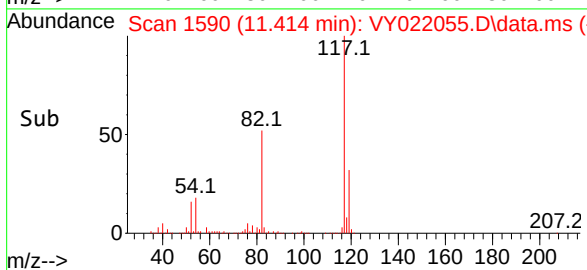
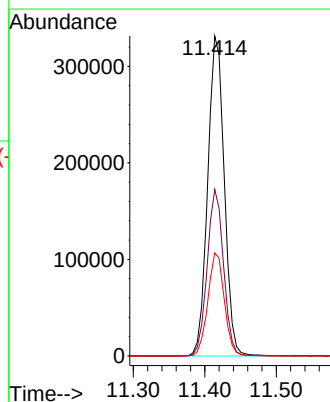
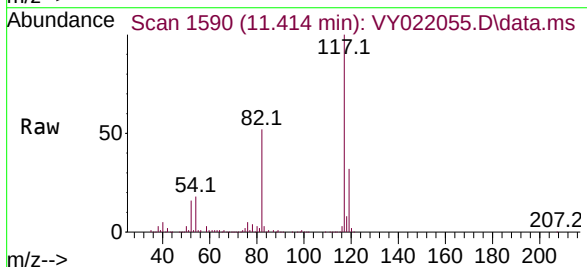
Instrument :
MSVOA_Y
ClientSampleId :
MH-U2-VOC

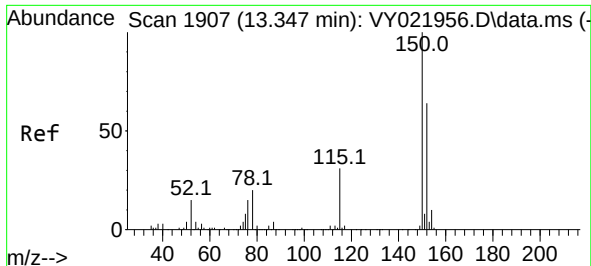
Tgt Ion: 95 Resp: 200696
Ion Ratio Lower Upper
95 100
174 88.2 0.0 179.0
176 84.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022055.D
Acq: 29 Apr 2025 14:43

Tgt Ion: 117 Resp: 533441
Ion Ratio Lower Upper
117 100
82 52.0 42.1 63.1
119 32.2 25.7 38.5

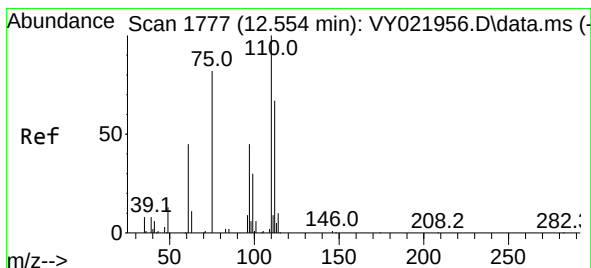
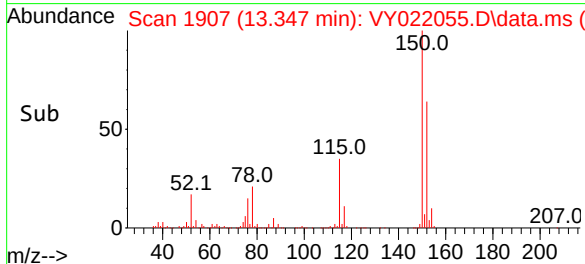
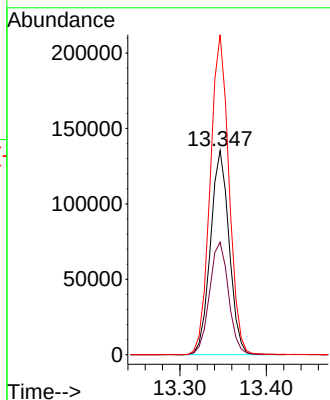
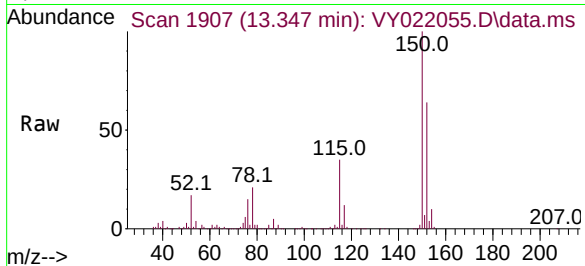




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022055.D
 Acq: 29 Apr 2025 14:43

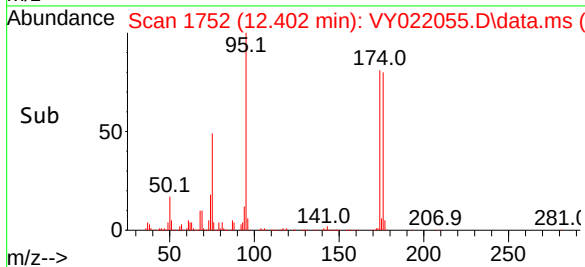
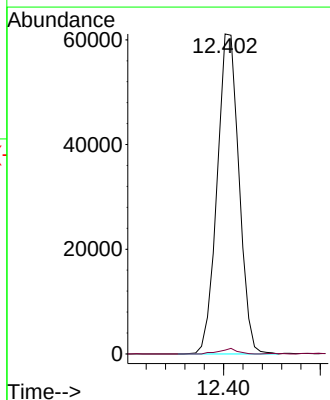
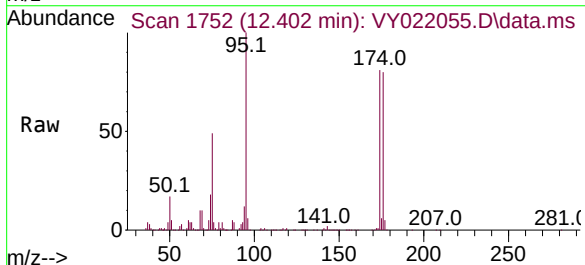
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-U2-VOC

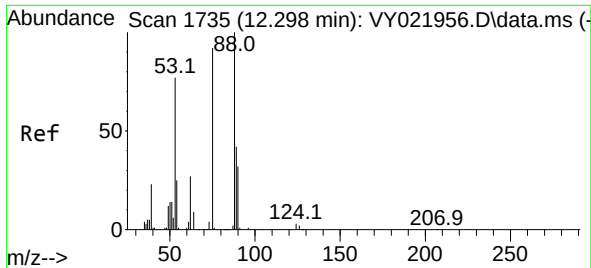
Tgt Ion:152 Resp: 202589
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.0 84.0
 150 157.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 55.197 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022055.D
 Acq: 29 Apr 2025 14:43

Tgt Ion: 75 Resp: 95782
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.923 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022055.D
 Acq: 29 Apr 2025 14:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-U2-VOC

Tgt Ion: 75 Resp: 95782
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.1 37.2 55.8#

