

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
 Data File : VY006470.D
 Acq On : 25 Oct 2021 16:38
 Operator : SY/MD
 Sample : M4290-07RE
 Misc : 5.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 02:45:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	99056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	167206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	156919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66919	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74334	60.982	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.960%
35) Dibromofluoromethane	7.722	113	50802	54.511	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.020%
50) Toluene-d8	10.179	98	216522	54.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.620%
62) 4-Bromofluorobenzene	12.483	95	62870	47.241	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.480%

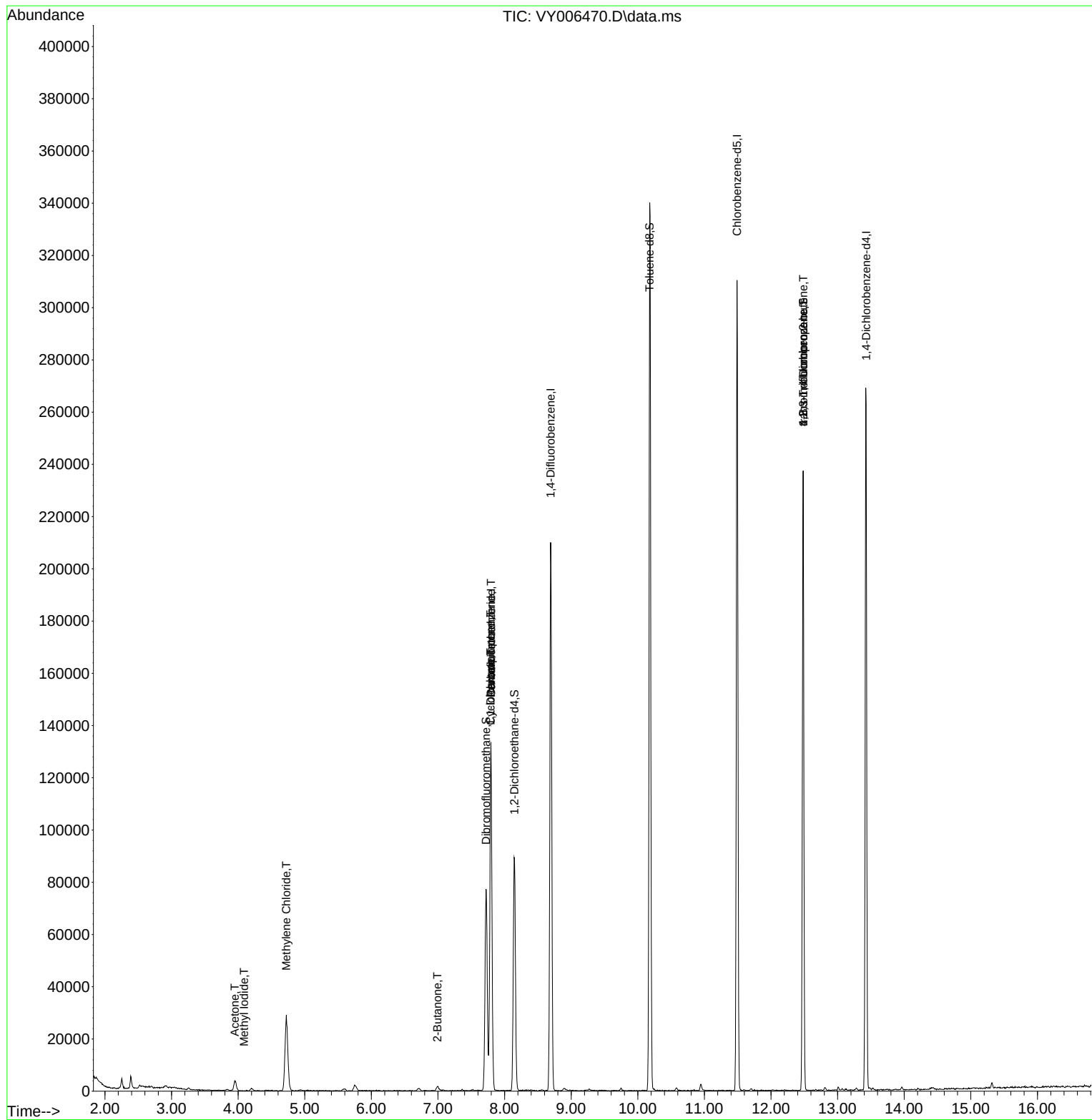
Target Compounds					Qvalue	
10) Methyl Iodide	4.088	142	21	5.079	ug/l #	36
16) Acetone	3.948	43	6653	18.955	ug/l	98
20) Methylene Chloride	4.722	84	18909	14.494	ug/l #	96
25) 2-Butanone	6.990	43	1613	3.508	ug/l #	77
31) Cyclohexane	7.789	56	2430	1.231	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	7964	4.820	ug/l #	51
38) Carbon Tetrachloride	7.795	117	9587	5.260	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	37938	55.016	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37938	112.945	ug/l #	7

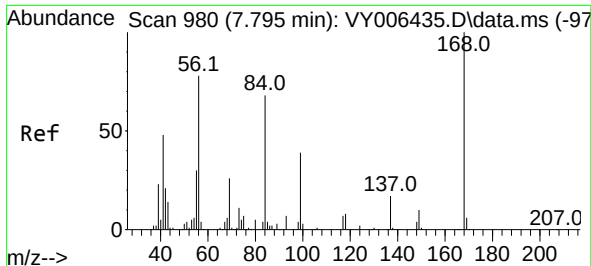
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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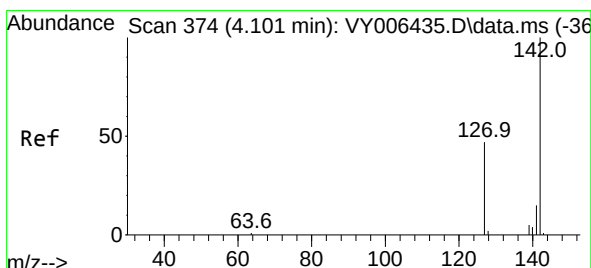
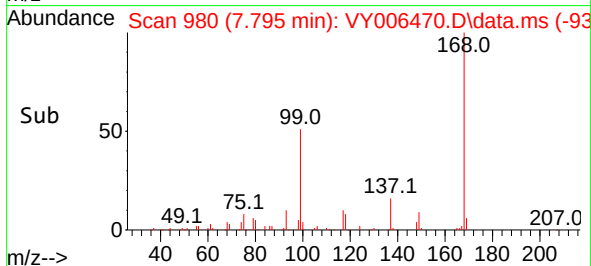
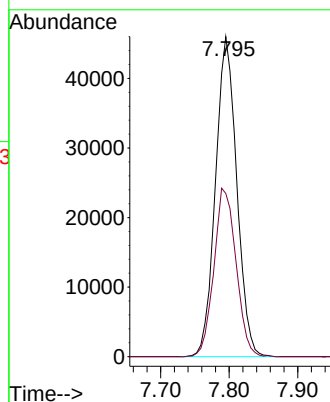
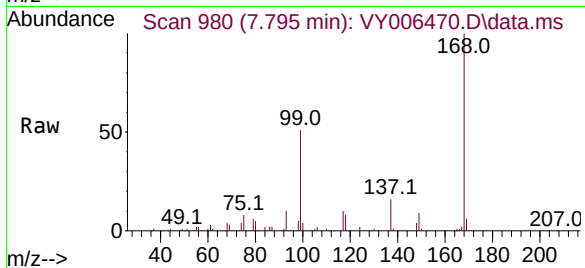




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

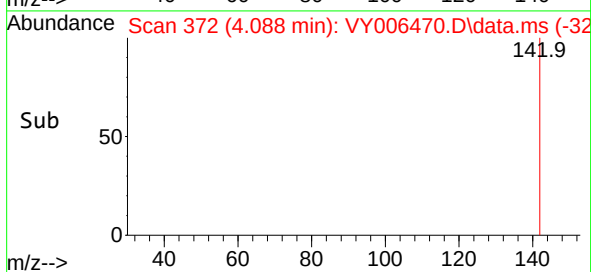
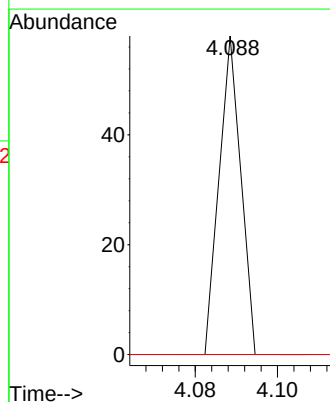
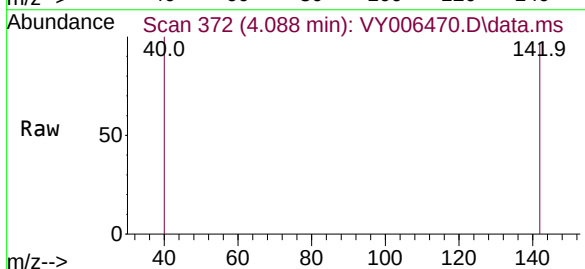
Instrument :
MSVOA_Y
ClientSampleId :

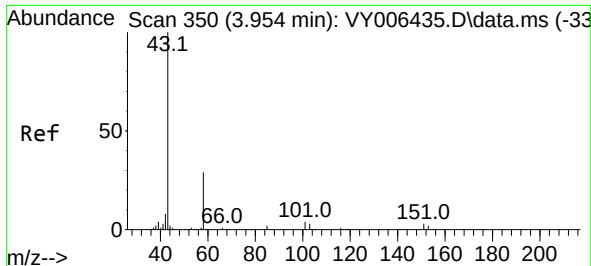
Tgt Ion:168 Resp: 99056
Ion Ratio Lower Upper
168 100
99 51.0 44.8 67.2



#10
Methyl Iodide
Concen: 5.079 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.013 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

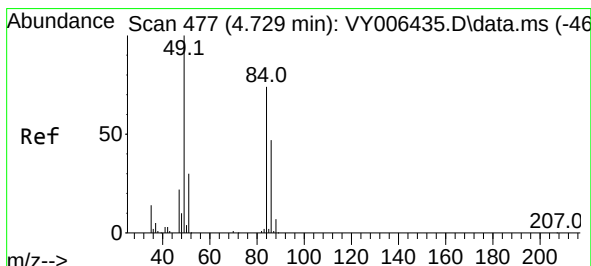
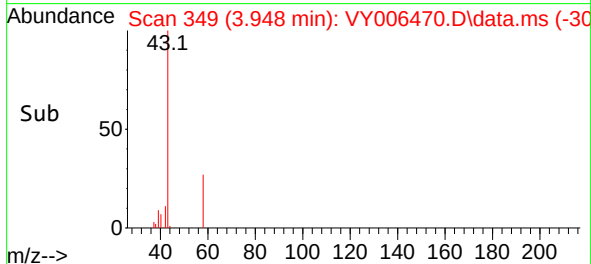
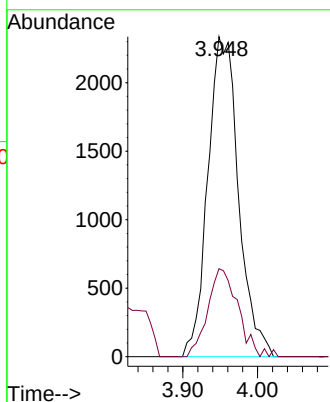
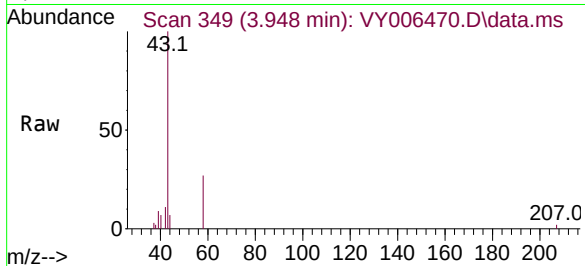




#16
Acetone
Concen: 18.955 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

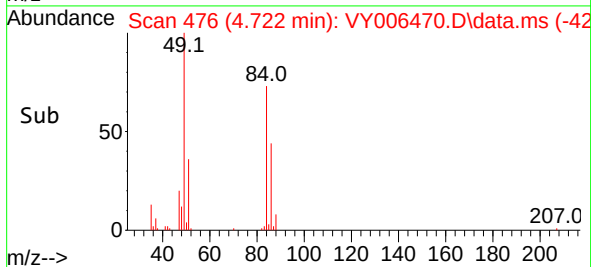
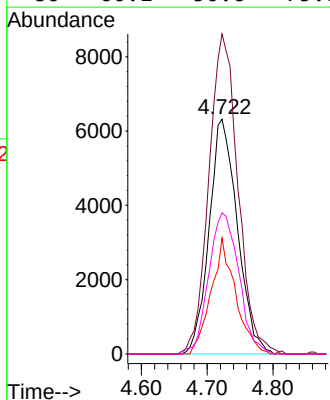
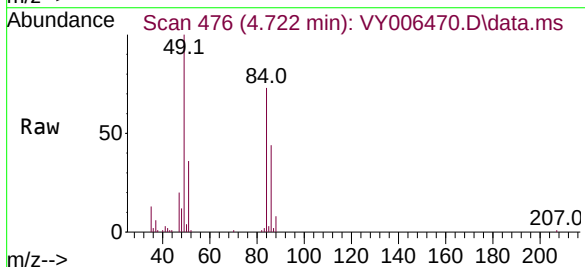
Instrument :
MSVOA_Y
ClientSampled :

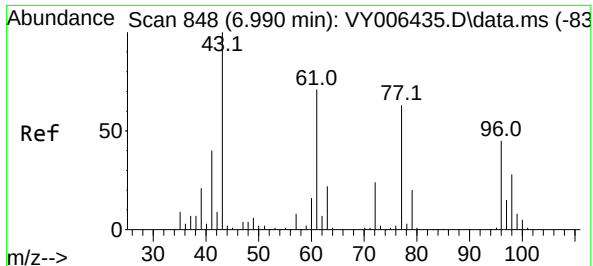
Tgt Ion: 43 Resp: 6653
Ion Ratio Lower Upper
43 100
58 27.5 22.9 34.3



#20
Methylene Chloride
Concen: 14.494 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 84 Resp: 18909
Ion Ratio Lower Upper
84 100
49 136.3 107.8 161.8
51 49.4 32.8 49.2#
86 60.1 50.6 75.8

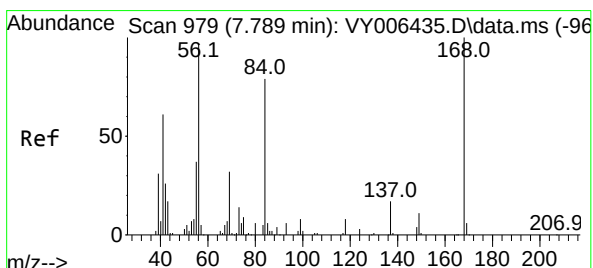
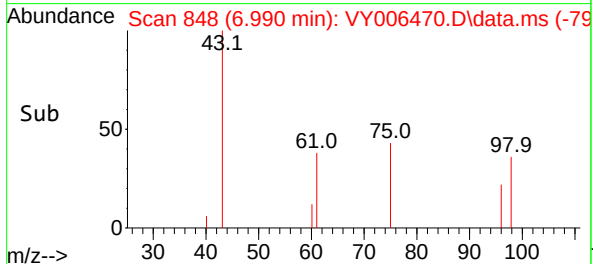
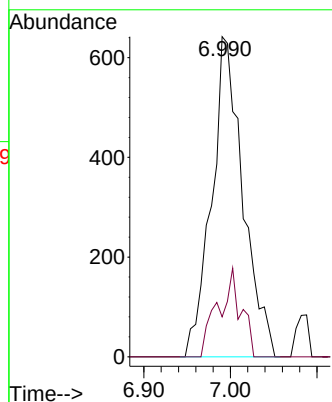
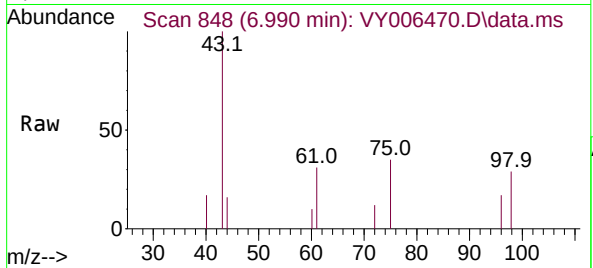




#25
2-Butanone
Concen: 3.508 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

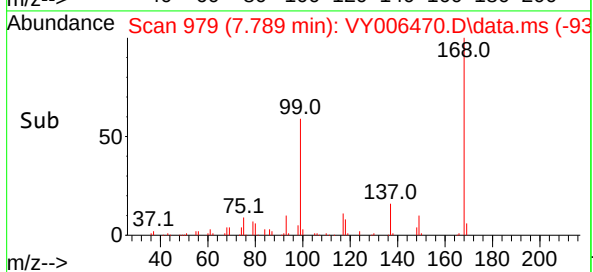
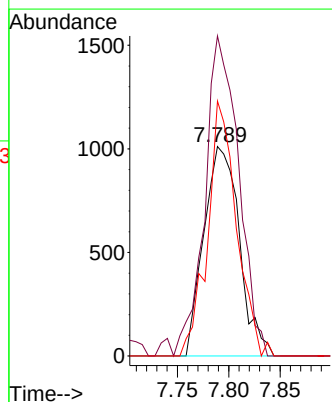
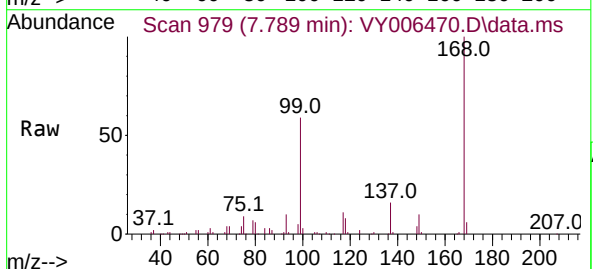
Instrument :
MSVOA_Y
ClientSampled :

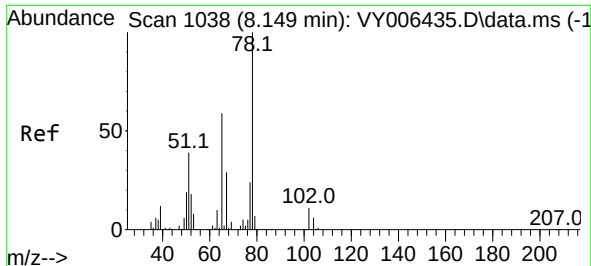
Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
72 12.5 18.9 28.3#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 56 Resp: 2430
Ion Ratio Lower Upper
56 100
69 152.8 26.6 40.0#
84 121.8 65.0 97.4#

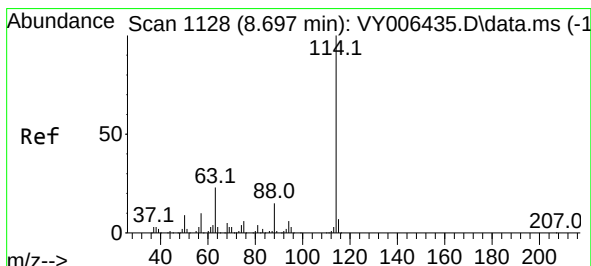
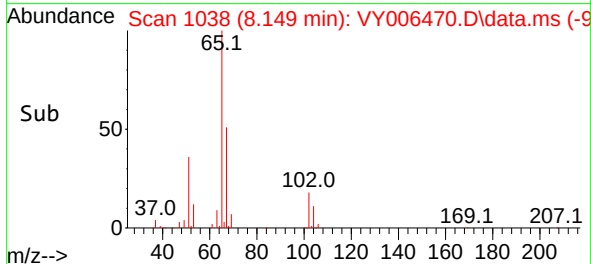
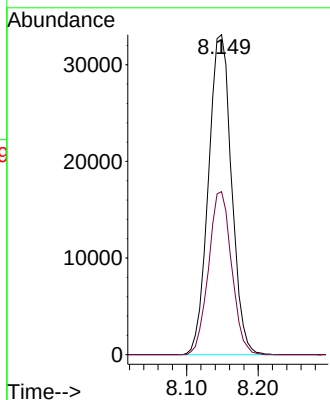
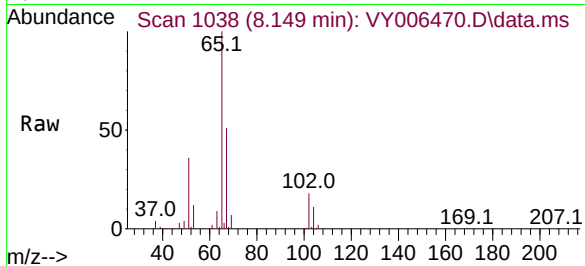




#33
1,2-Dichloroethane-d4
Concen: 60.982 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

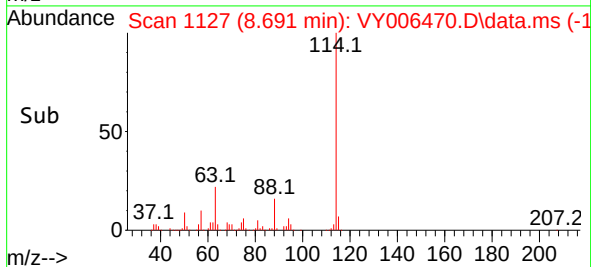
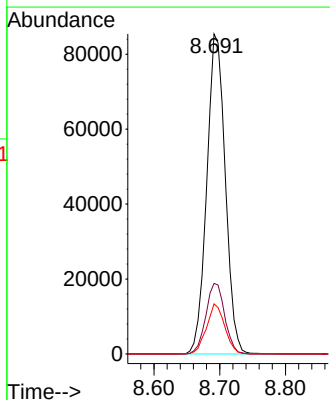
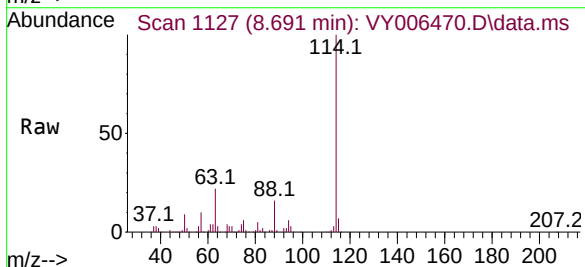
Instrument :
MSVOA_Y
ClientSampleId :

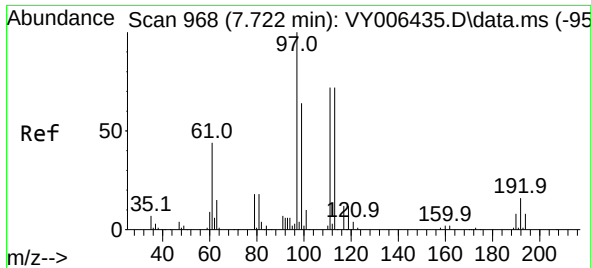
Tgt Ion: 65 Resp: 74334
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion:114 Resp: 167206
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.0
88 15.7 0.0 30.6

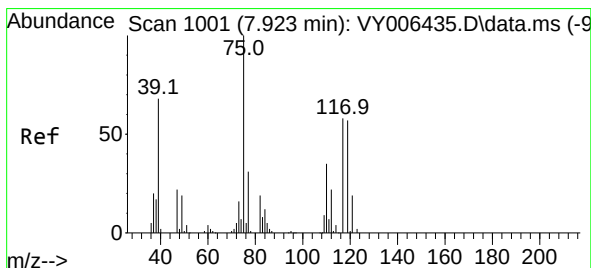
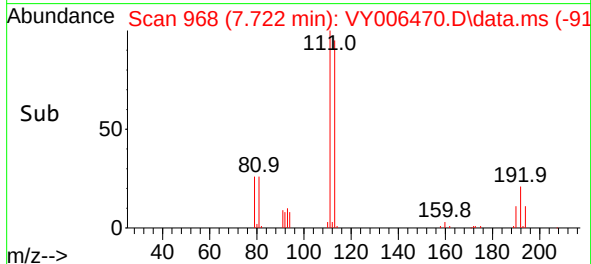
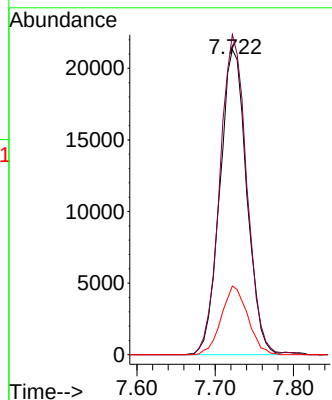
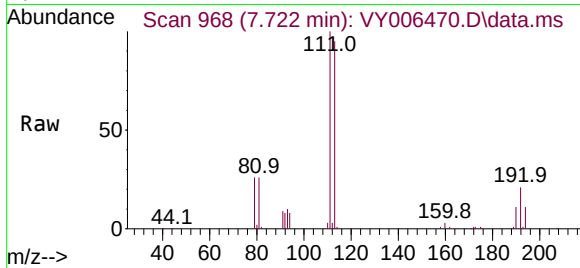




#35
Dibromofluoromethane
Concen: 54.511 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

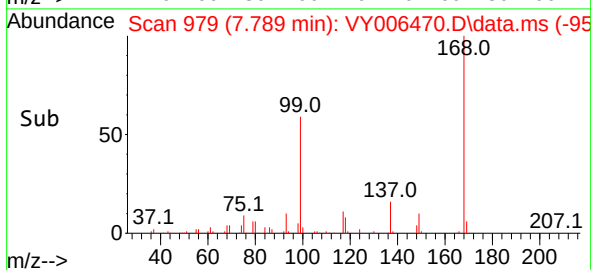
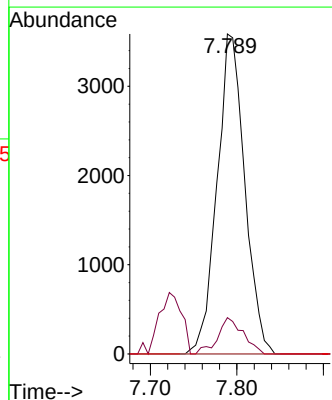
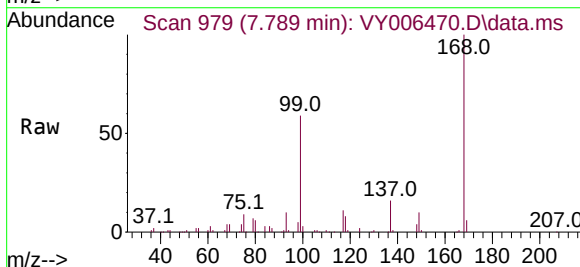
Instrument :
MSVOA_Y
ClientSampleId :

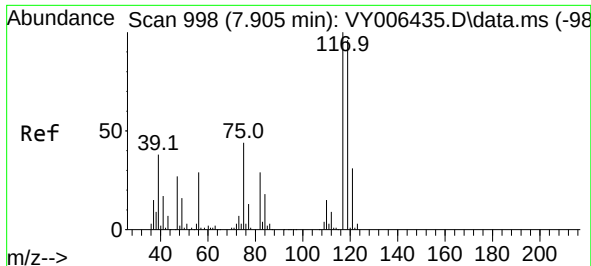
Tgt Ion:113 Resp: 50802
Ion Ratio Lower Upper
113 100
111 104.8 82.3 123.5
192 22.1 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

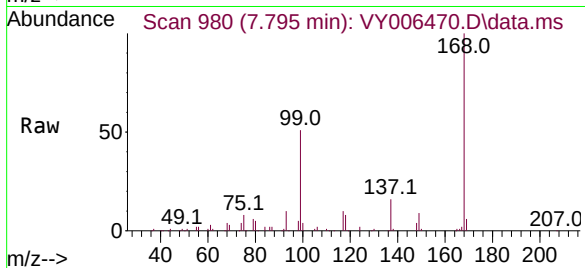
Tgt Ion: 75 Resp: 7964
Ion Ratio Lower Upper
75 100
110 10.4 17.1 51.3#
77 0.0 24.9 37.3#



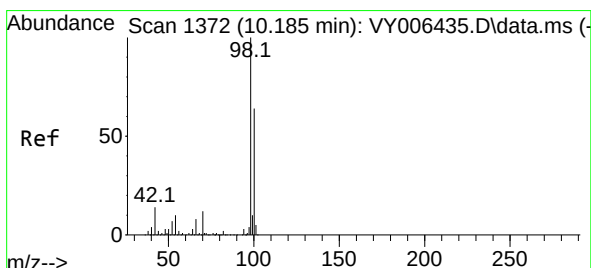
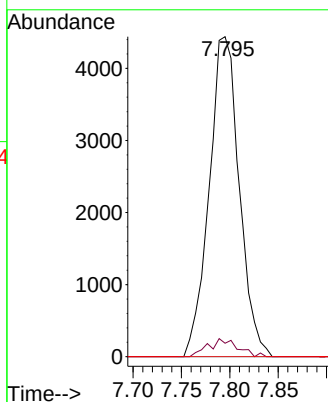
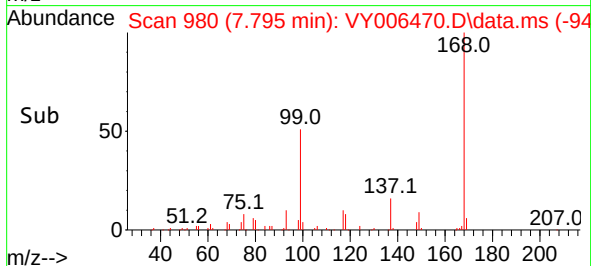


#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Instrument :
MSVOA_Y
ClientSampleId :

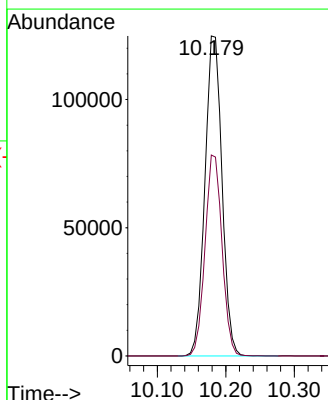
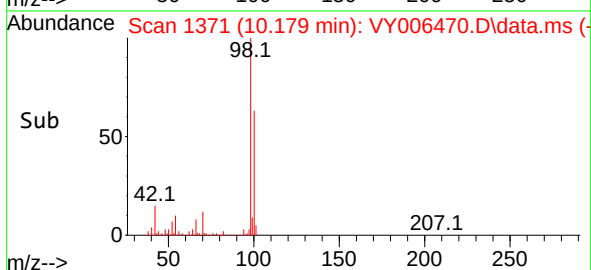
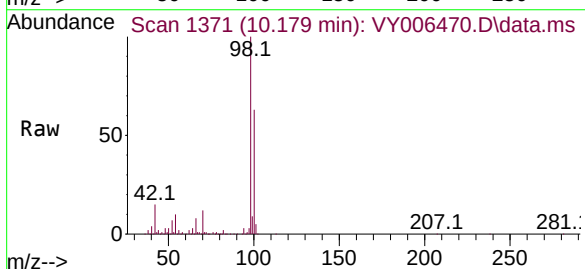


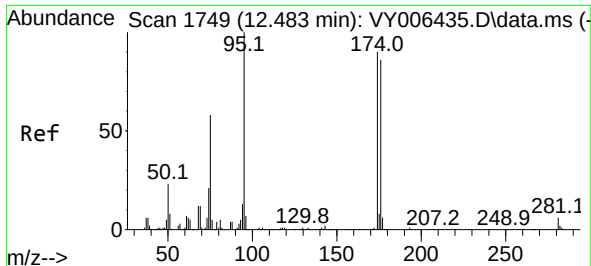
Tgt Ion:117 Resp: 9587
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.806 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 98 Resp: 216522
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3

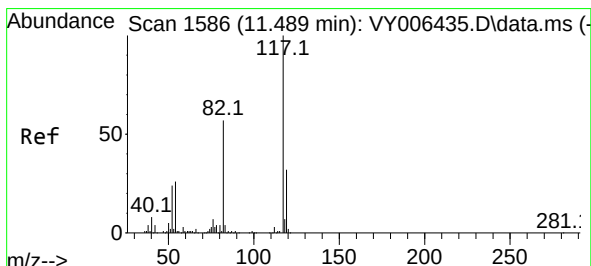
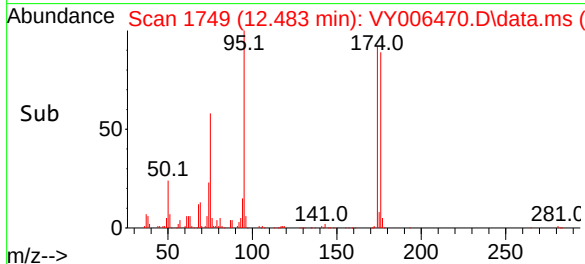
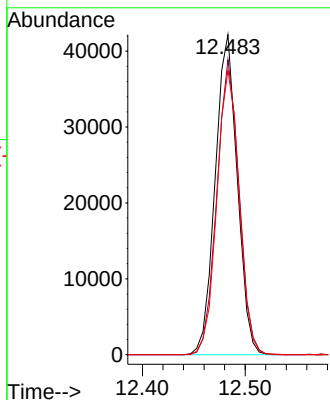
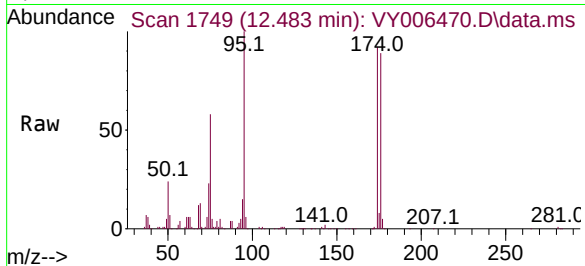




#62
4-Bromofluorobenzene
Concen: 47.241 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

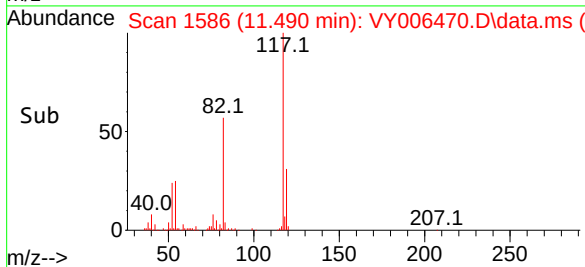
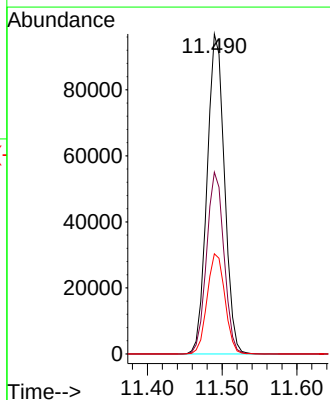
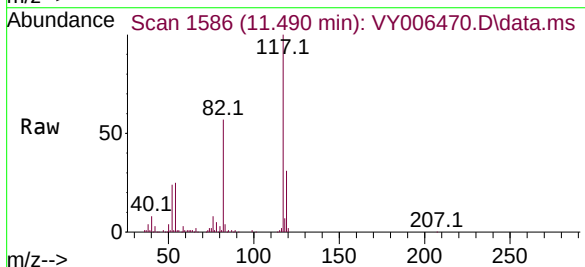
Instrument :
MSVOA_Y
ClientSampleId :

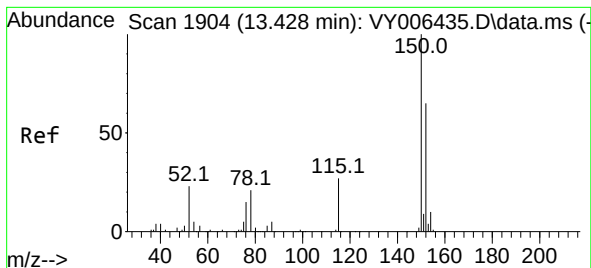
Tgt Ion: 95 Resp: 62870
Ion Ratio Lower Upper
95 100
174 92.4 0.0 177.0
176 90.0 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006470.D
Acq: 25 Oct 2021 16:38

Tgt Ion: 117 Resp: 156919
Ion Ratio Lower Upper
117 100
82 56.8 45.7 68.5
119 31.3 25.5 38.3

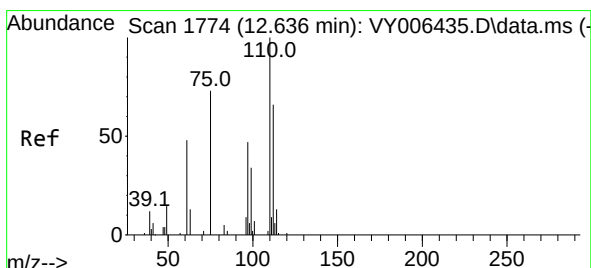
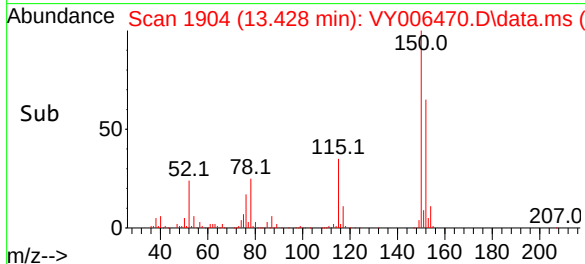
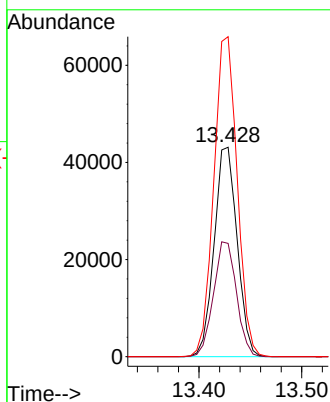
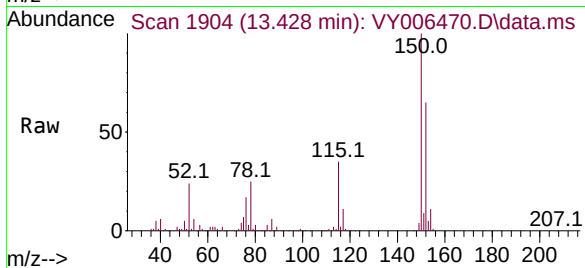




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006470.D
 Acq: 25 Oct 2021 16:38

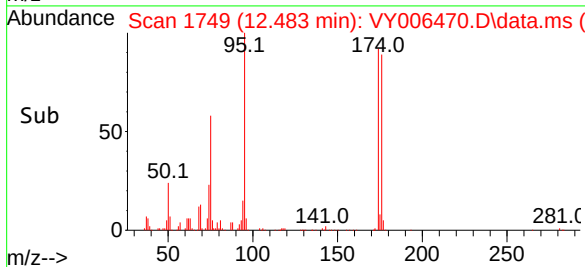
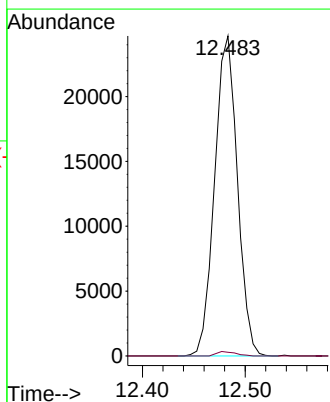
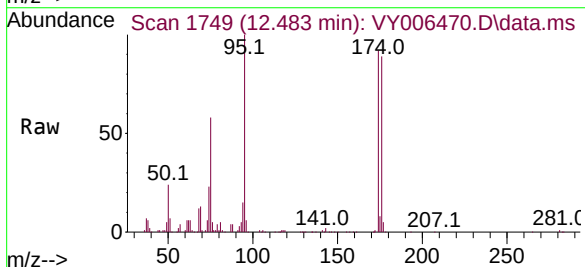
Instrument :
 MSVOA_Y
 ClientSampled :

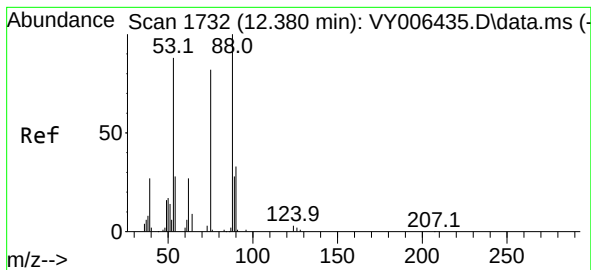
Tgt Ion:152 Resp: 66919
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.5 85.5
 150 155.1 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 55.016 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006470.D
 Acq: 25 Oct 2021 16:38

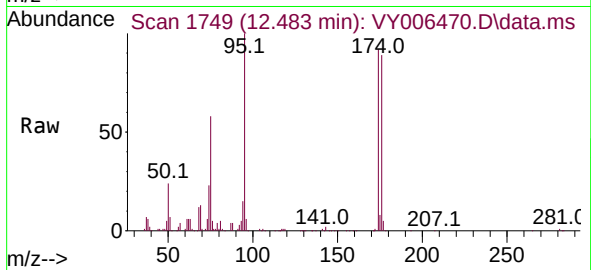
Tgt Ion: 75 Resp: 37938
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.945 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006470.D
 Acq: 25 Oct 2021 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 37938
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#

