

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008943.D
 Acq On : 21 May 2022 12:42
 Operator : KP/MD
 Sample : N2919-08
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P028-SS001-0612-02

Quant Time: May 21 21:28:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

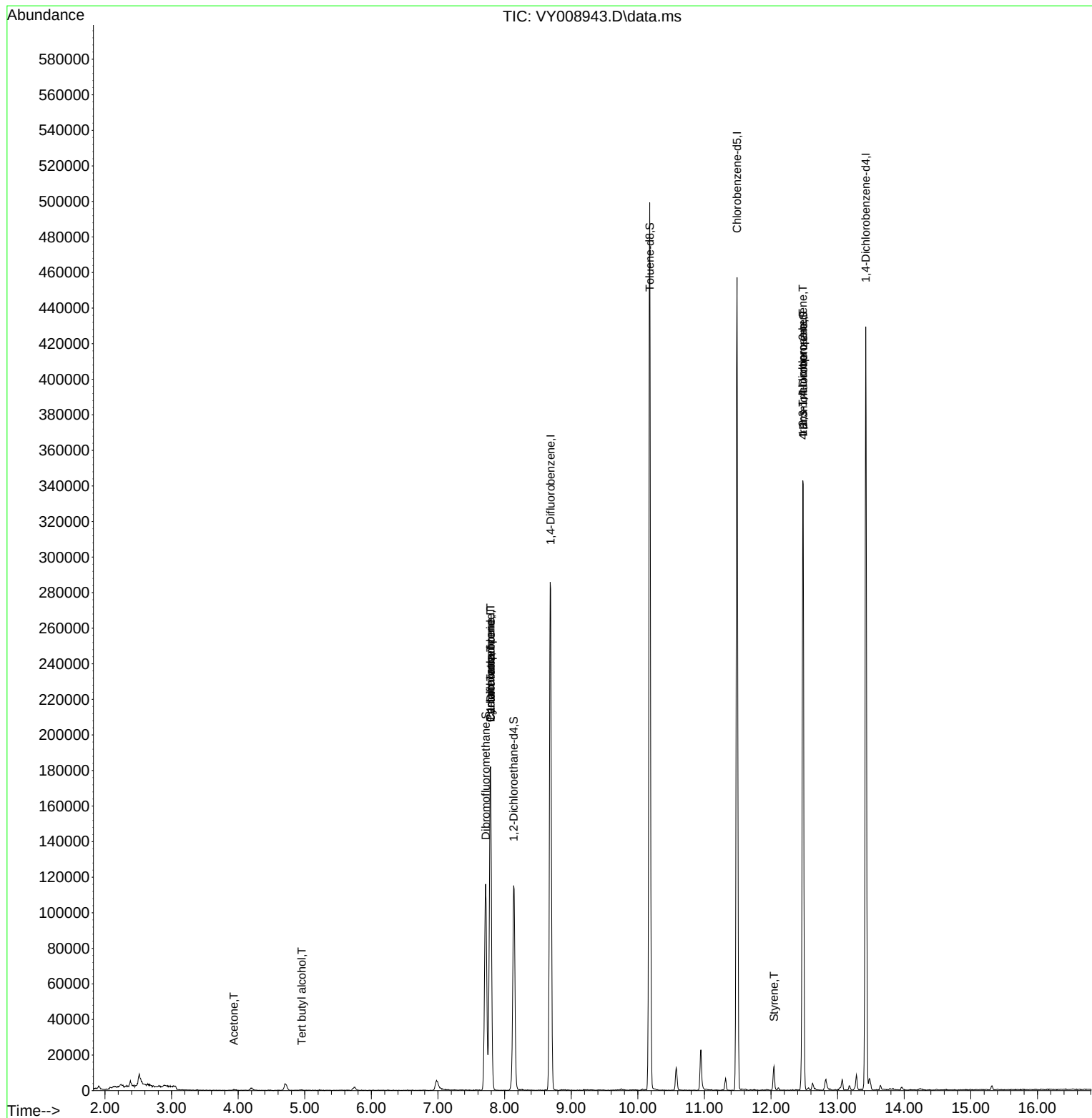
Internal Standards						
1) Pentafluorobenzene	7.789	168	141704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86982	59.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.280%
35) Dibromofluoromethane	7.716	113	79067	51.428	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.860%
50) Toluene-d8	10.179	98	310518	54.747	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.483	95	92927	40.616	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	230	1.555	ug/l #	77
16) Acetone	3.936	43	915	3.014	ug/l #	85
20) Methylene Chloride	4.729	84	2930	Below Cal	#	63
31) Cyclohexane	7.789	56	3514	1.232	ug/l #	56
36) 1,1-Dichloropropene	7.789	75	11405	4.359	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13691	5.002	ug/l #	15
70) Styrene	12.044	104	6587	1.045	ug/l #	85
76) 1,2,3-Trichloropropane	12.477	75	52778	47.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	52778	98.039	ug/l #	7

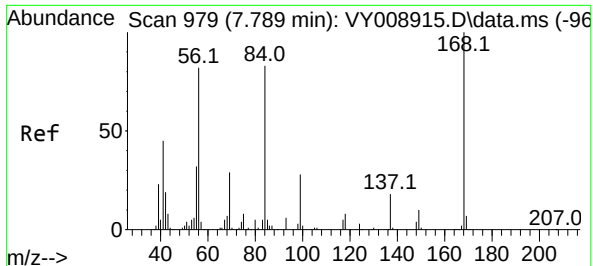
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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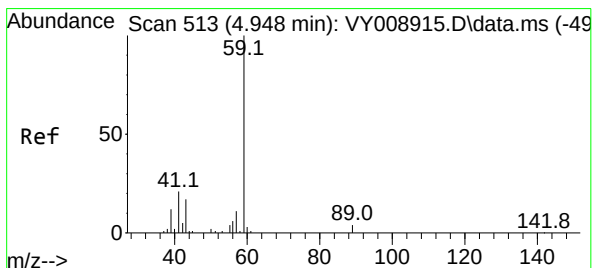
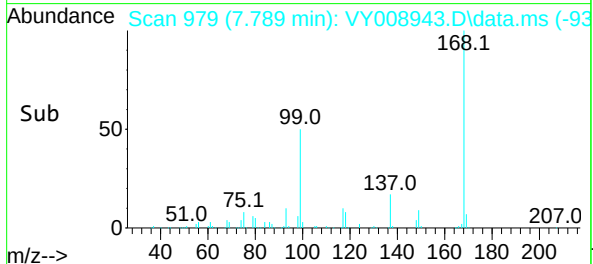
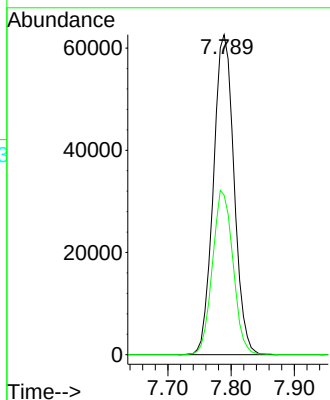
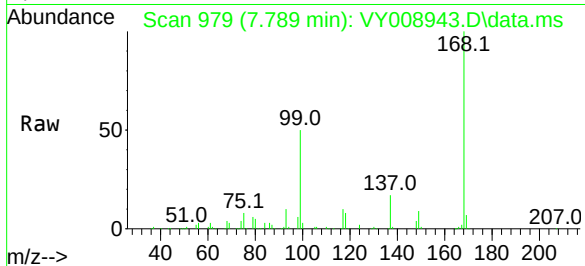




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

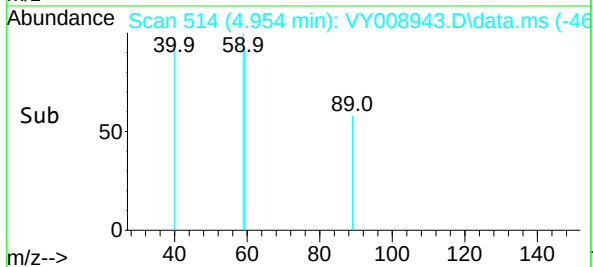
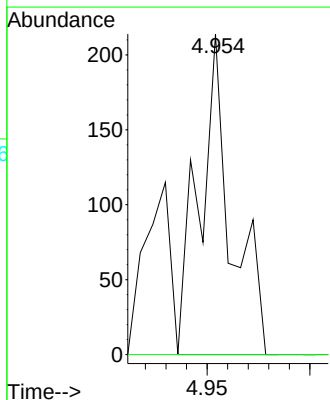
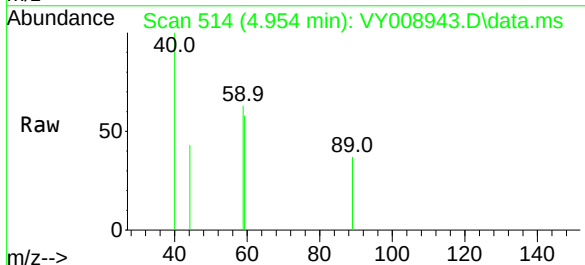
Instrument :
MSVOA_Y
ClientSampleId :
P028-SS001-0612-02

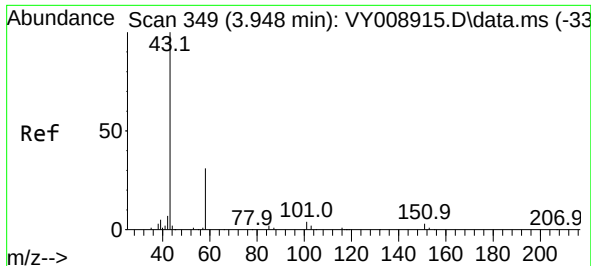
Tgt Ion:168 Resp: 141704
Ion Ratio Lower Upper
168 100
99 49.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.555 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

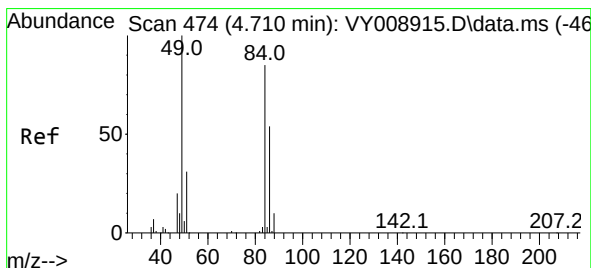
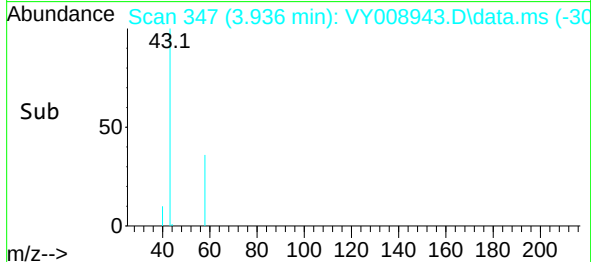
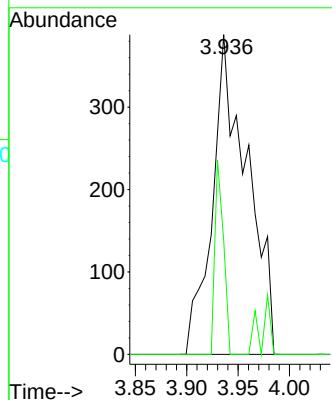
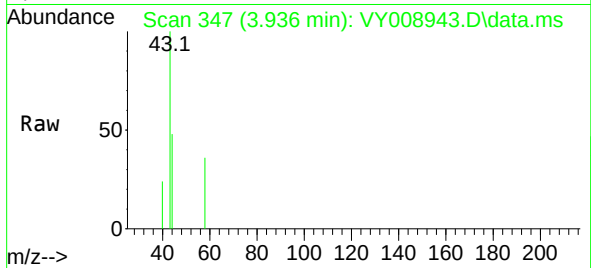




#16
Acetone
Concen: 3.014 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

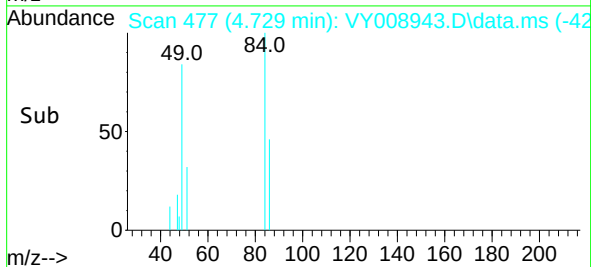
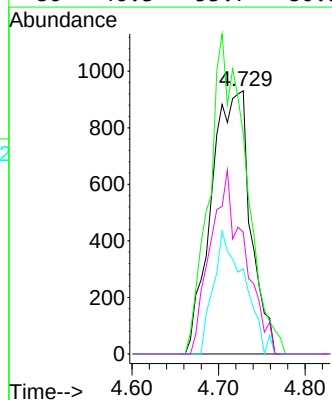
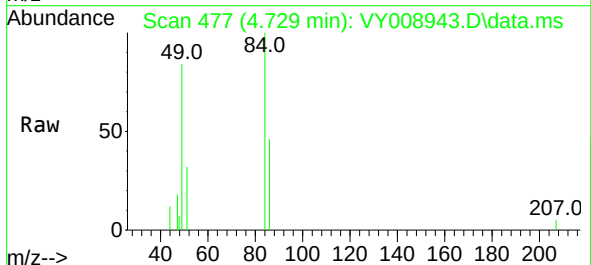
Instrument :
MSVOA_Y
ClientSampleId :
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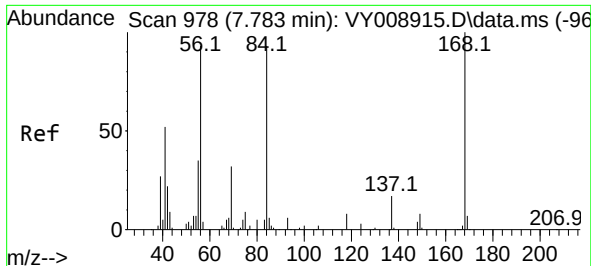
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 35.6 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.019 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion: 84 Resp: 2930
Ion Ratio Lower Upper
84 100
49 83.9 114.4 171.6#
51 32.3 35.3 52.9#
86 46.3 53.7 80.5#

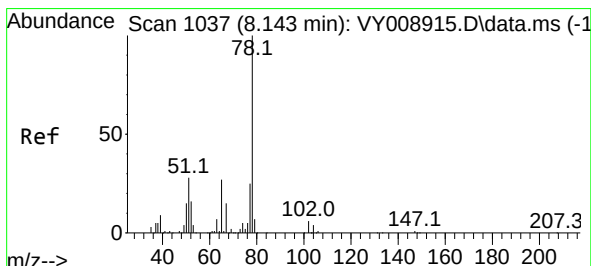
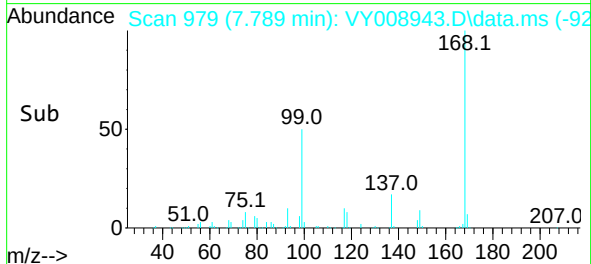
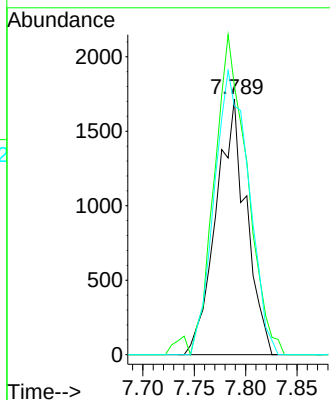
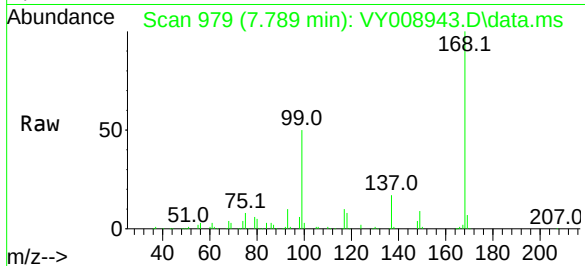




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

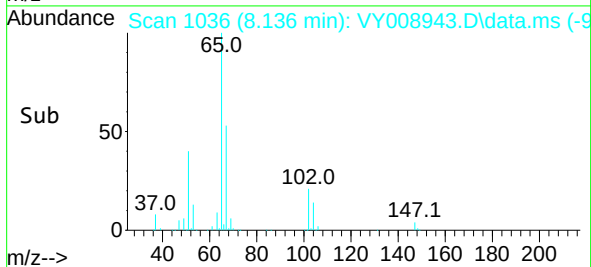
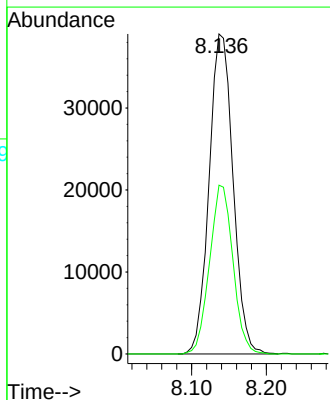
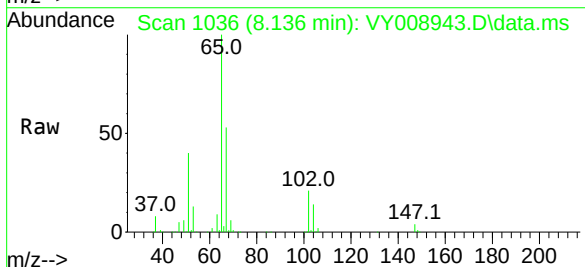
Instrument :
MSVOA_Y
ClientSampleId :
P028-SS001-0612-02

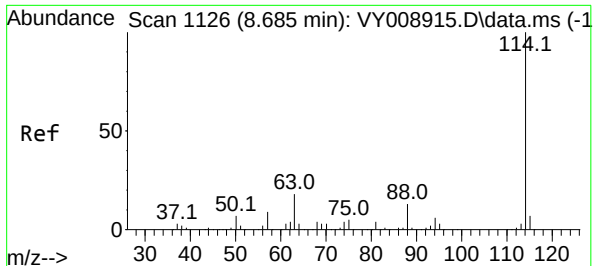
Tgt Ion: 56 Resp: 3514
Ion Ratio Lower Upper
56 100
69 99.7 26.7 40.1#
84 97.3 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 59.642 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion: 65 Resp: 86982
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008943.D

Acq: 21 May 2022 12:42

Instrument :

MSVOA_Y

ClientSampleId :

P028-SS001-0612-02

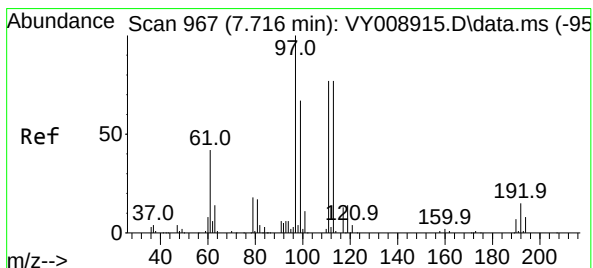
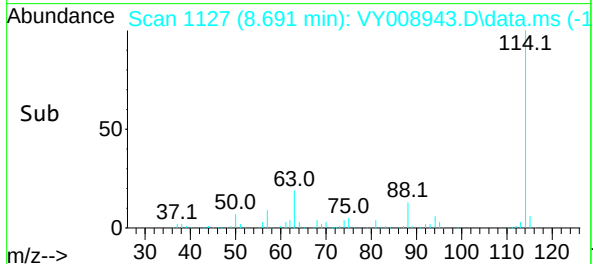
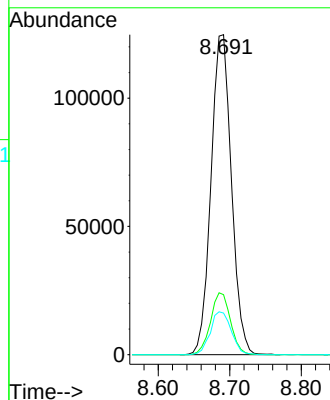
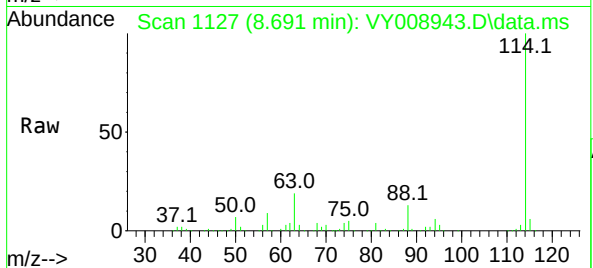
Tgt Ion:114 Resp: 247240

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 13.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008943.D

Acq: 21 May 2022 12:42

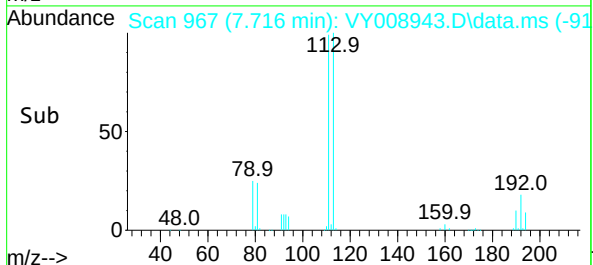
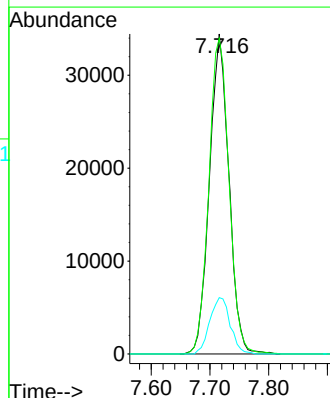
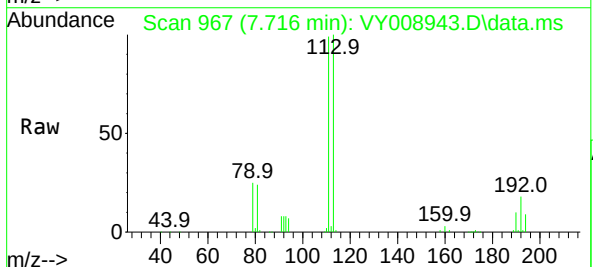
Tgt Ion:113 Resp: 79067

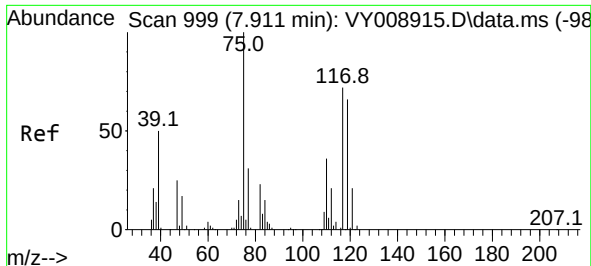
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 18.5 17.6 26.4

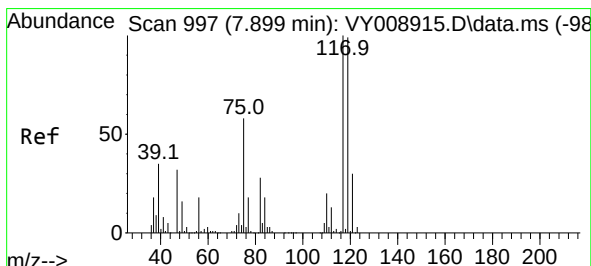
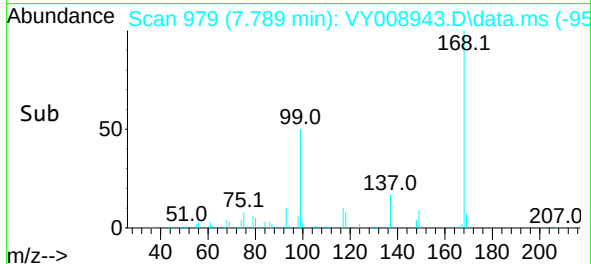
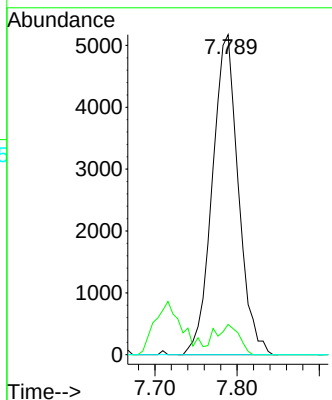
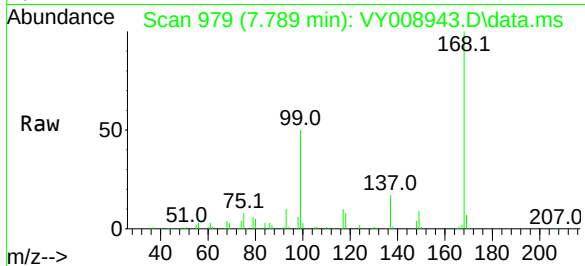




#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

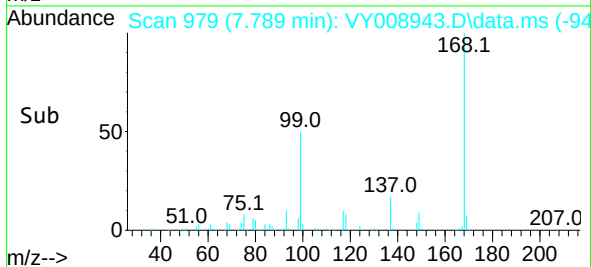
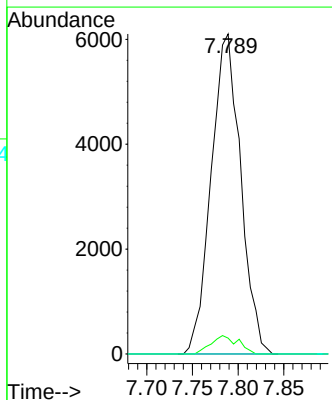
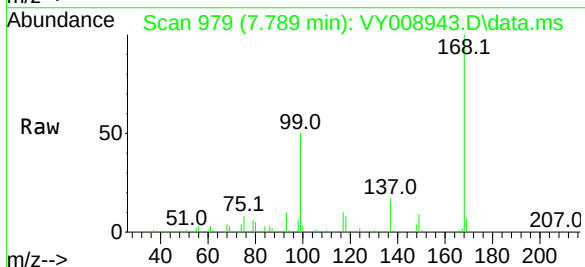
Instrument :
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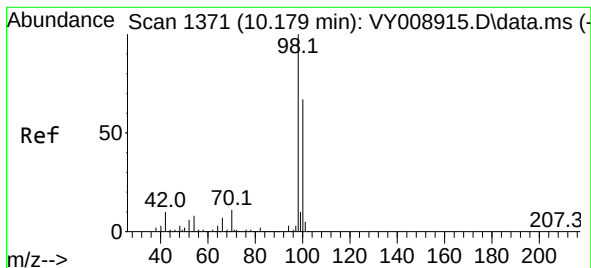
Tgt Ion: 75 Resp: 11405
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.002 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion: 117 Resp: 13691
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#

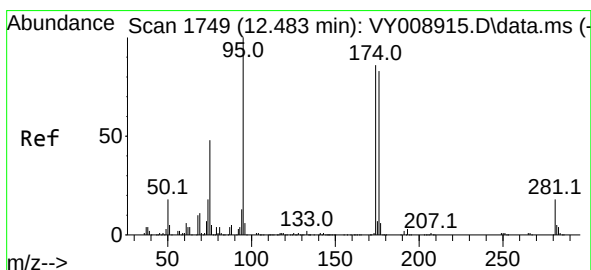
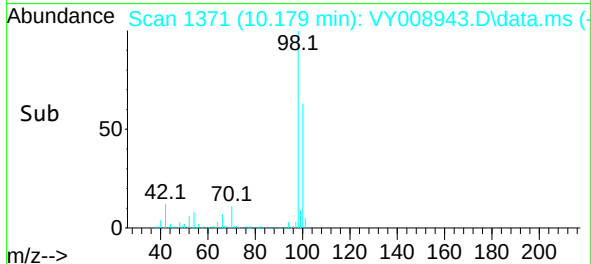
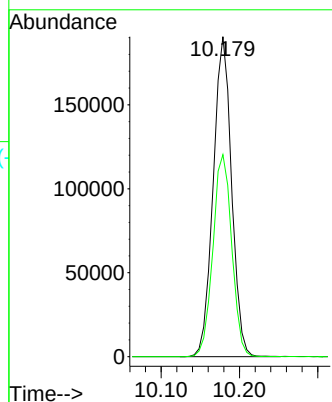
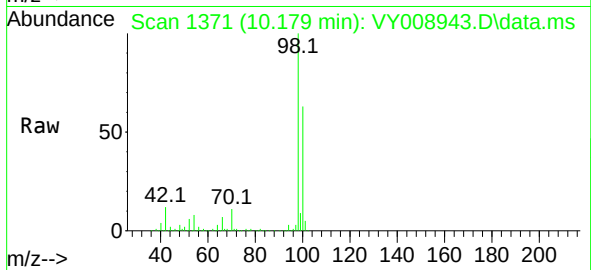




#50
Toluene-d8
Concen: 54.747 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

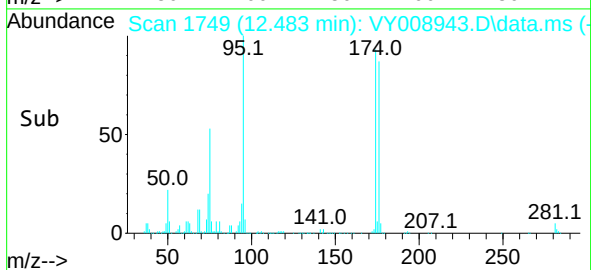
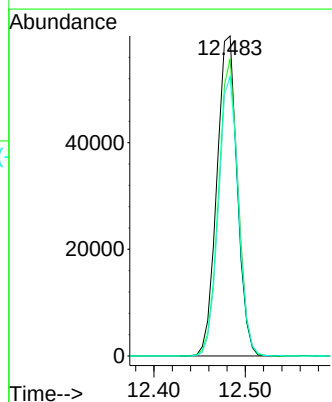
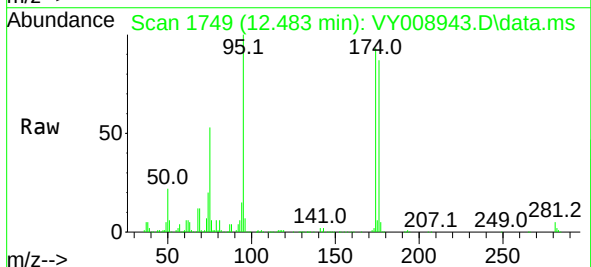
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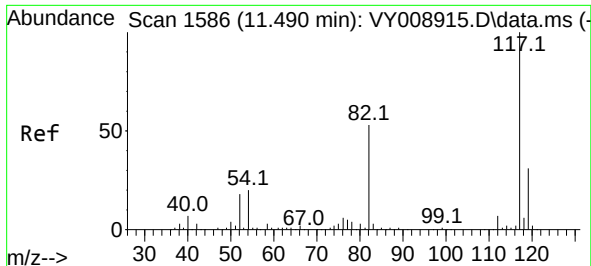
Tgt Ion: 98 Resp: 310518
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.616 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion: 95 Resp: 92927
Ion Ratio Lower Upper
95 100
174 89.9 0.0 177.0
176 85.4 0.0 175.8

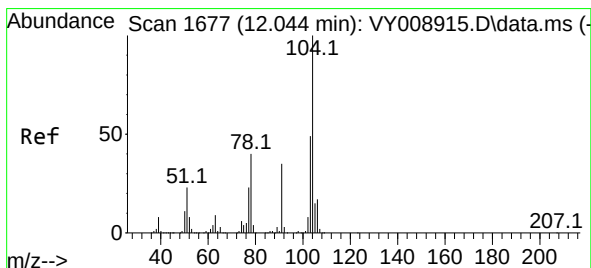
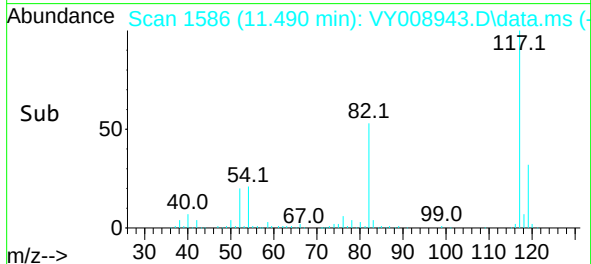
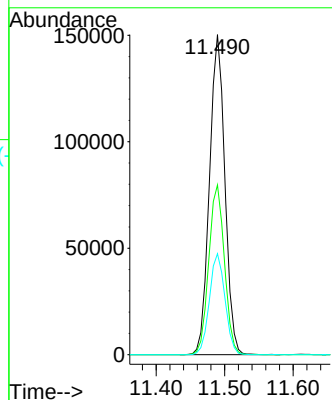
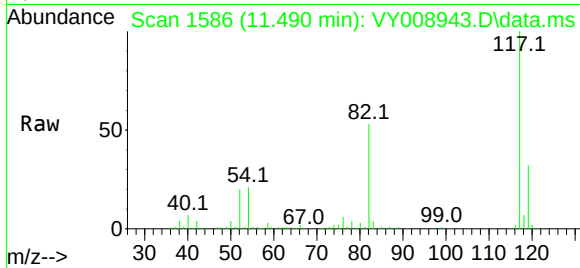




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

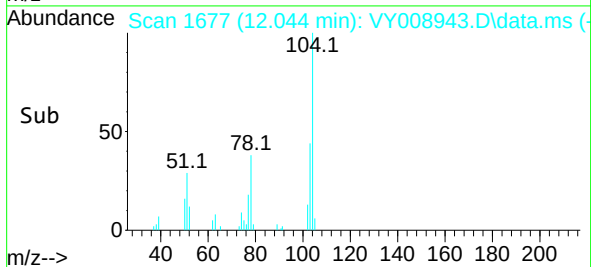
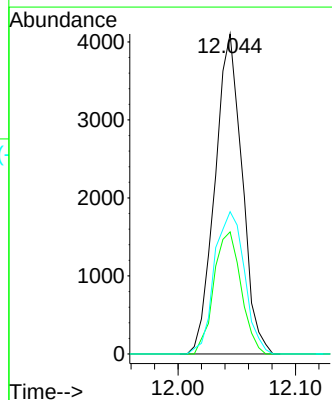
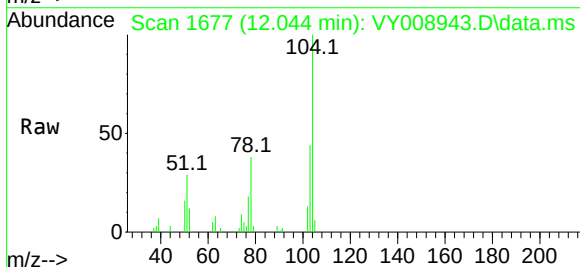
Instrument :
MSVOA_Y
ClientSampleId :
P028-SS001-0612-02

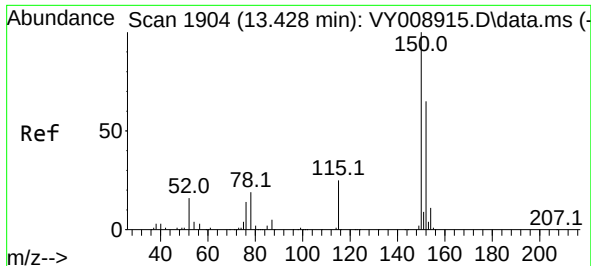
Tgt Ion:117 Resp: 235104
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.6 25.4 38.0



#70
Styrene
Concen: 1.045 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

Tgt Ion:104 Resp: 6587
Ion Ratio Lower Upper
104 100
78 38.2 42.4 63.6#
103 49.2 44.4 66.6

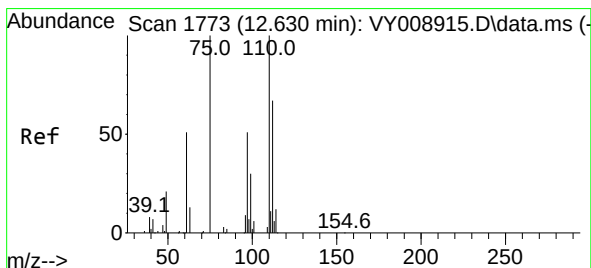
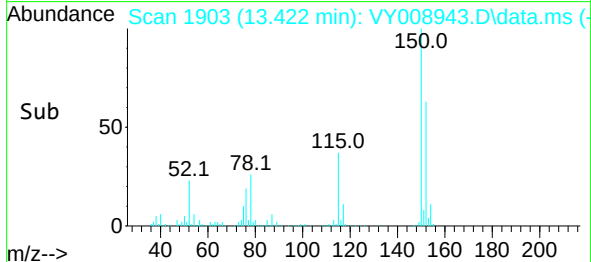
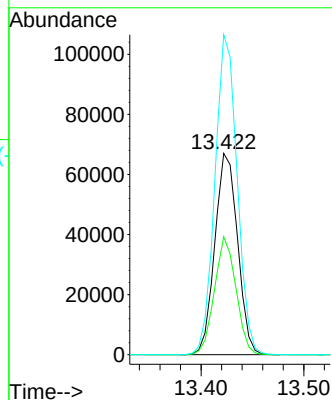
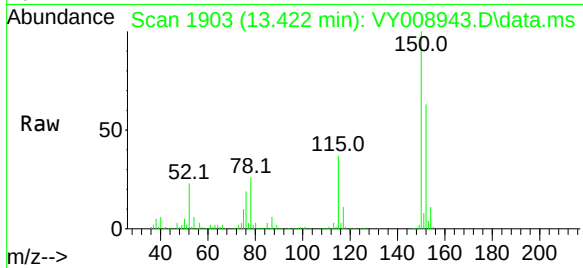




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

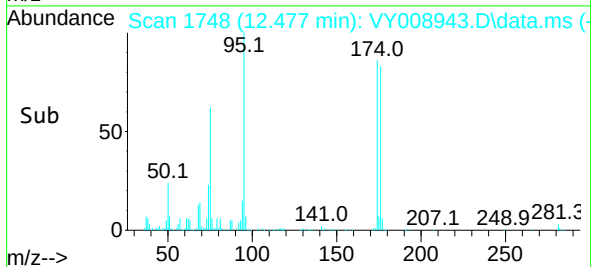
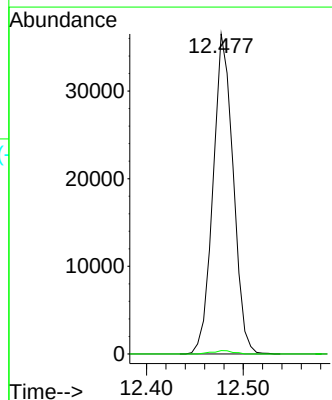
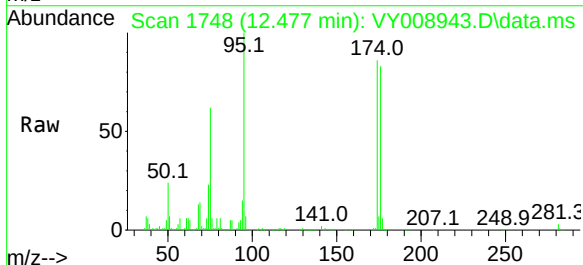
Instrument :
MSVOA_Y
ClientSampleId :
P028-SS001-0612-02

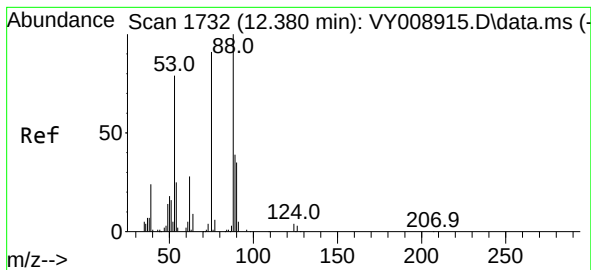
Tgt Ion:152 Resp: 102892
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 155.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.766 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY008943.D
Acq: 21 May 2022 12:42

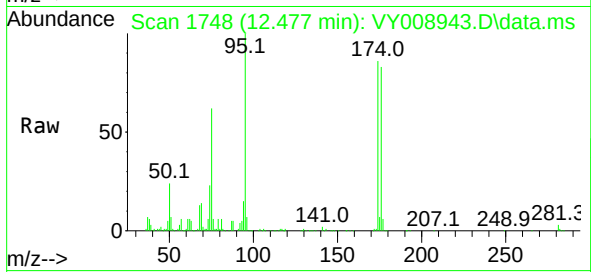
Tgt Ion: 75 Resp: 52778
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.039 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008943.D
 Acq: 21 May 2022 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 P028-SS001-0612-02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	85.3	127.9#
89	0.0	37.0	55.4#

