

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009038.D
 Acq On : 24 May 2022 04:21
 Operator : KP/MD
 Sample : N2948-21
 Misc : 3.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P036-SS002-0006-01

Quant Time: May 24 07:48:31 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)

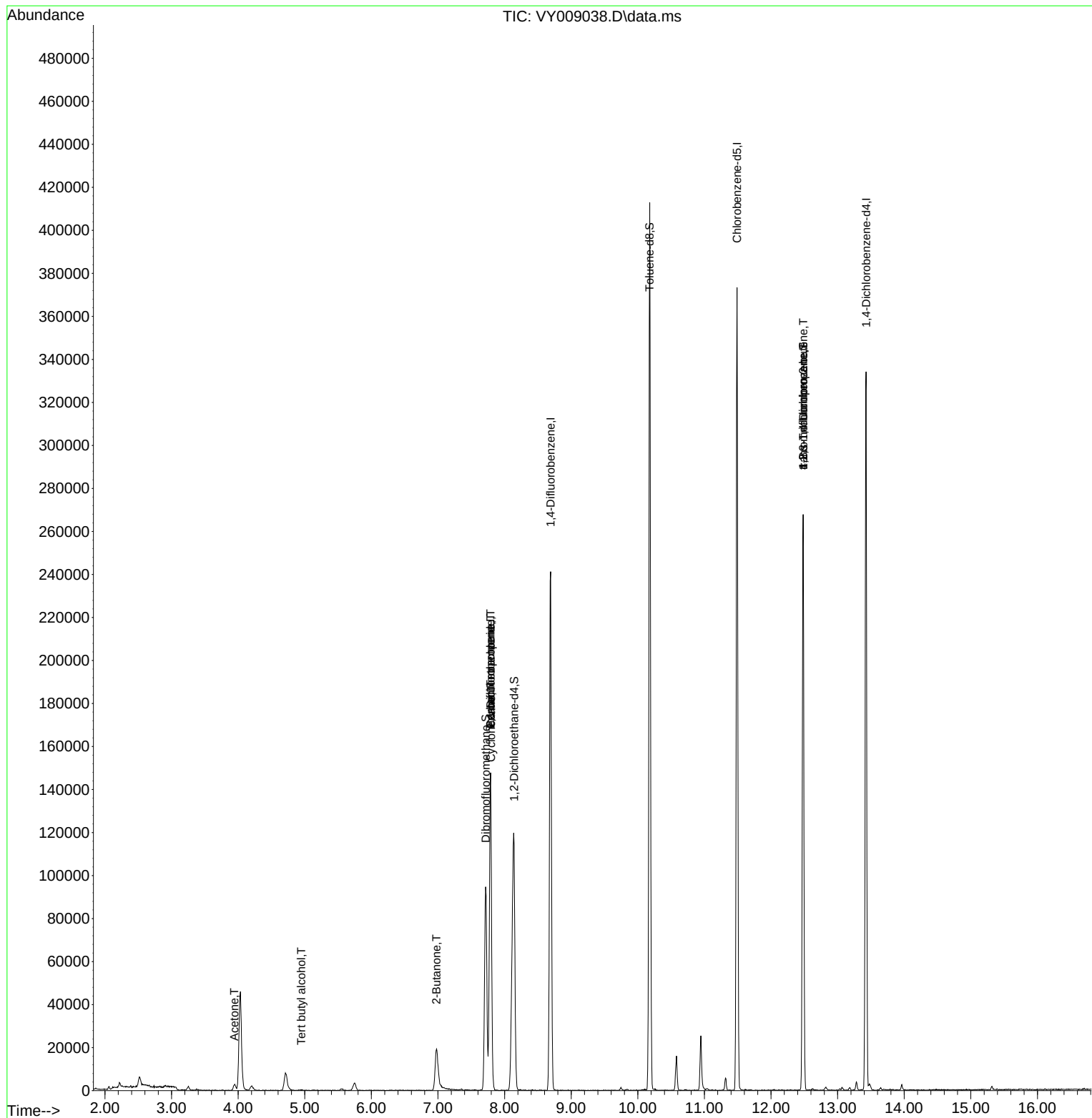
Internal Standards						
1) Pentafluorobenzene	7.789	168	110746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72031	63.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.400%	
35) Dibromofluoromethane	7.716	113	66119	52.225	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.460%	
50) Toluene-d8	10.179	98	255699	54.747	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.500%	
62) 4-Bromofluorobenzene	12.483	95	70753	37.553	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	331	2.863	ug/l #	77
16) Acetone	3.942	43	4878	20.560	ug/l	93
20) Methylene Chloride	4.710	84	5607	Below Cal	#	70
25) 2-Butanone	6.978	43	1422	3.356	ug/l	99
31) Cyclohexane	7.795	56	2699	1.210	ug/l #	39
36) 1,1-Dichloropropene	7.789	75	9671	4.489	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11254	4.993	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	41734	48.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41734	99.797	ug/l #	7

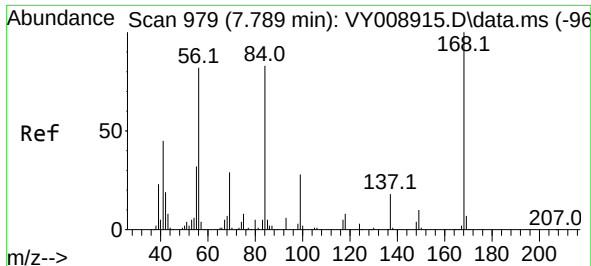
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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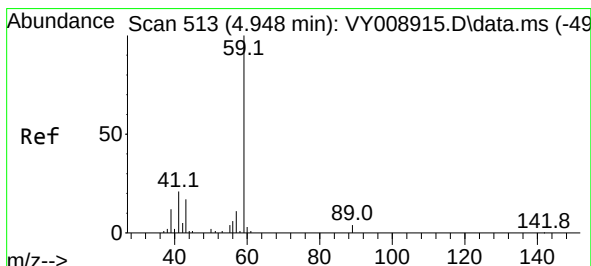
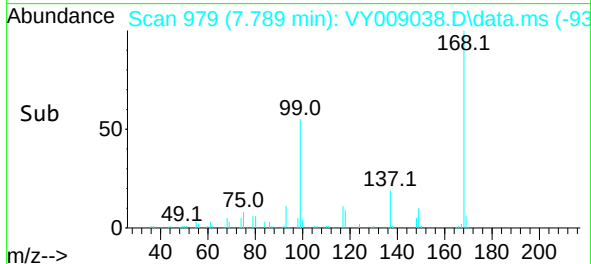
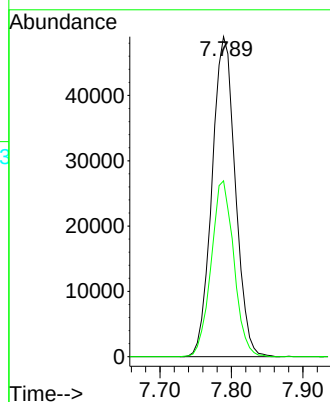
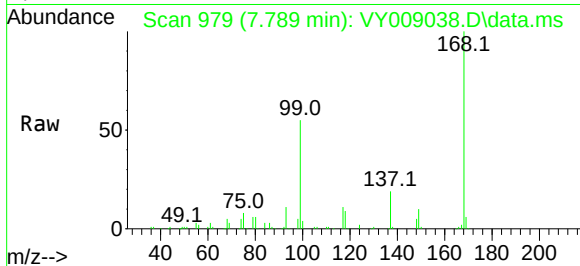




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

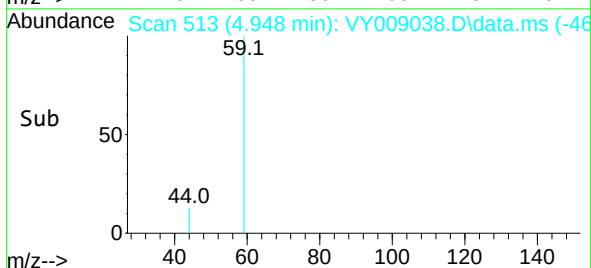
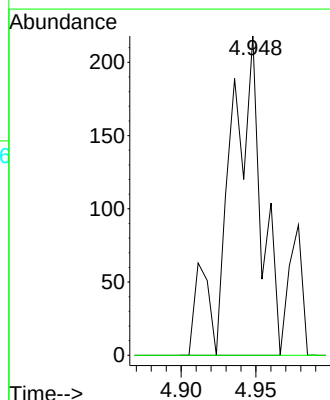
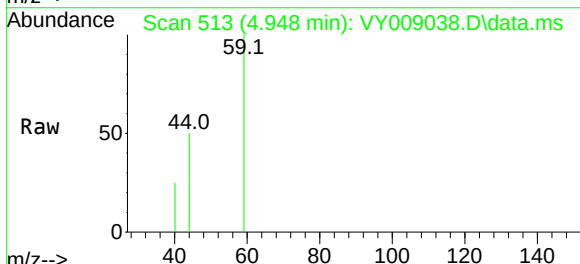
Instrument :
MSVOA_Y
ClientSampleId :
P036-SS002-0006-01

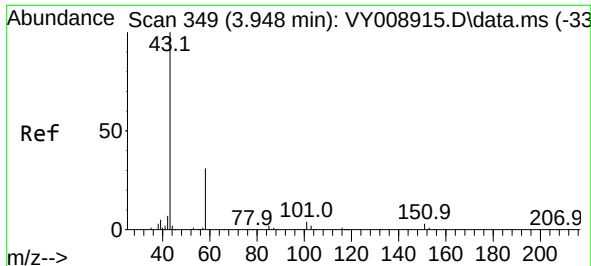
Tgt Ion:168 Resp: 110746
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.863 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

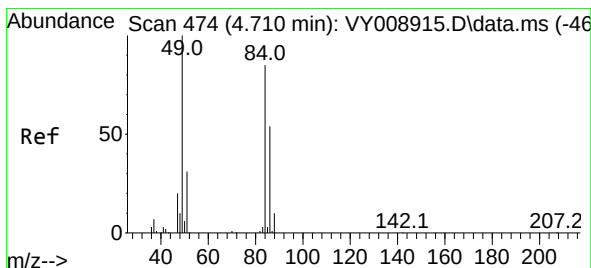
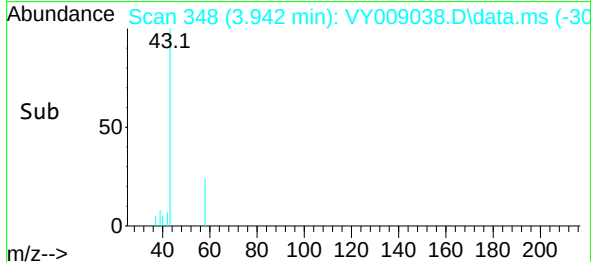
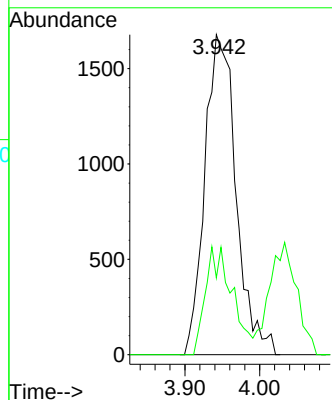
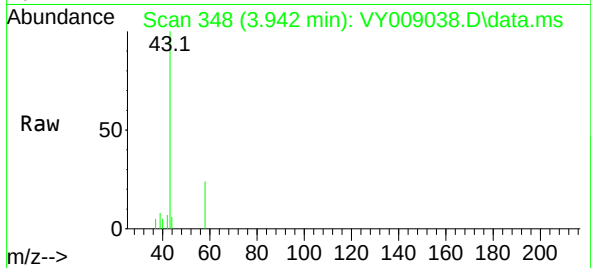




#16
Acetone
Concen: 20.560 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

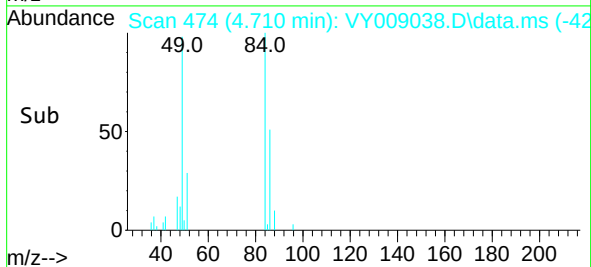
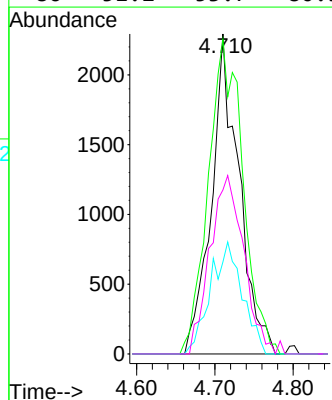
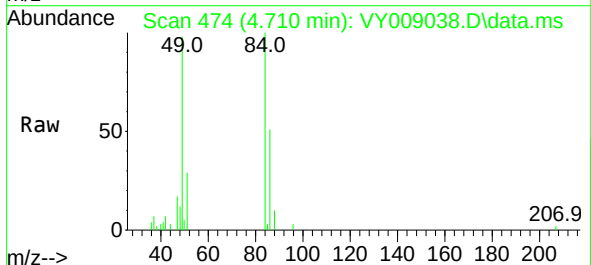
Instrument :
MSVOA_Y
ClientSampleId :
P036-SS002-0006-01

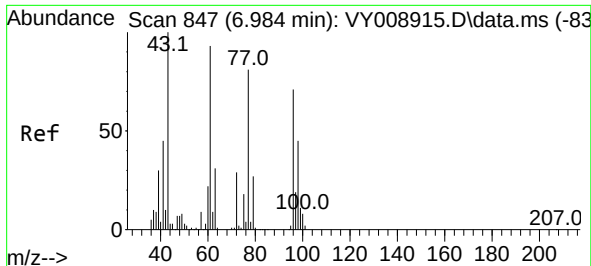
Tgt Ion: 43 Resp: 4878
Ion Ratio Lower Upper
43 100
58 24.0 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

Tgt Ion: 84 Resp: 5607
Ion Ratio Lower Upper
84 100
49 98.3 114.4 171.6#
51 28.7 35.3 52.9#
86 51.2 53.7 80.5#

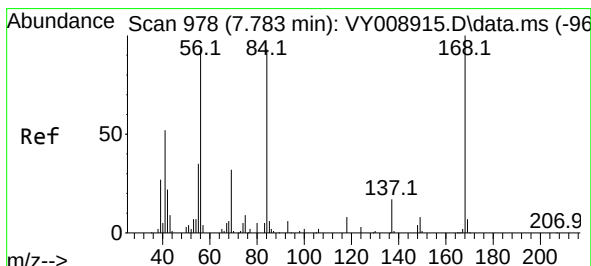
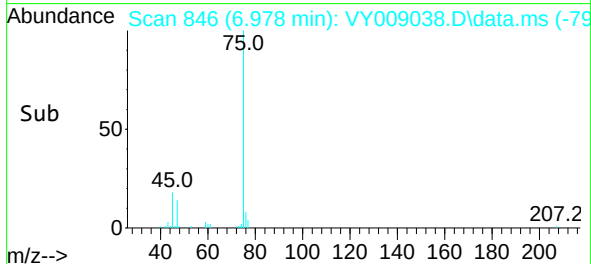
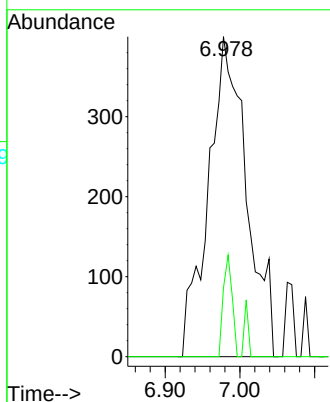
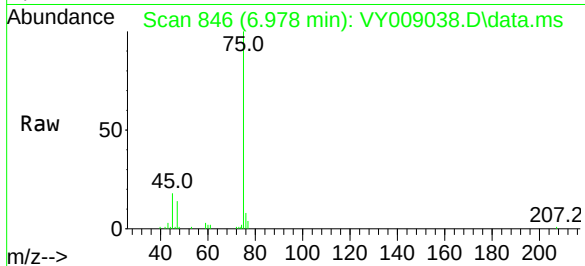




#25
2-Butanone
Concen: 3.356 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

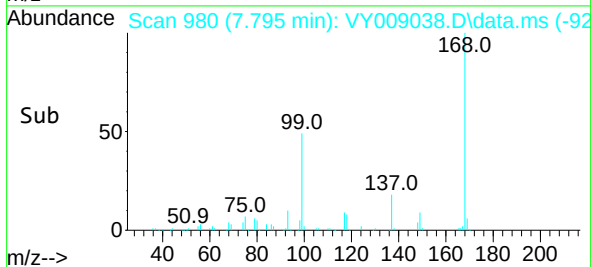
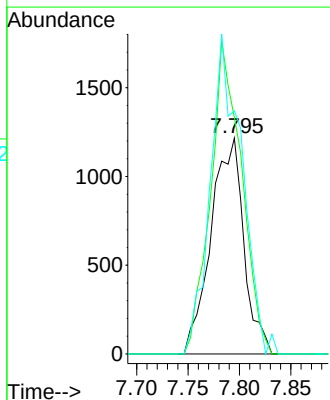
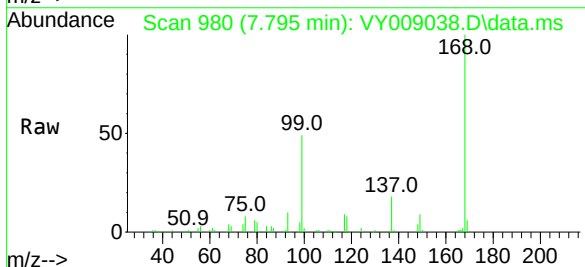
Instrument :
MSVOA_Y
ClientSampleId :
P036-SS002-0006-01

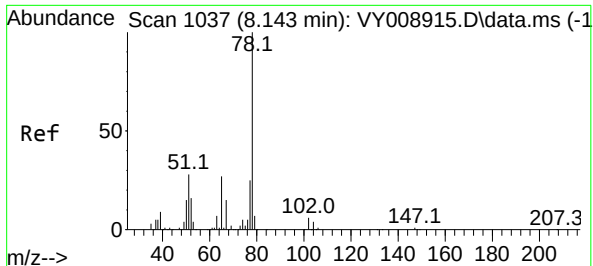
Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
72 21.5 17.7 26.5



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

Tgt Ion: 56 Resp: 2699
Ion Ratio Lower Upper
56 100
69 109.5 26.7 40.1#
84 112.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.197 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY009038.D

Acq: 24 May 2022 04:21

Instrument :

MSVOA_Y

ClientSampleId :

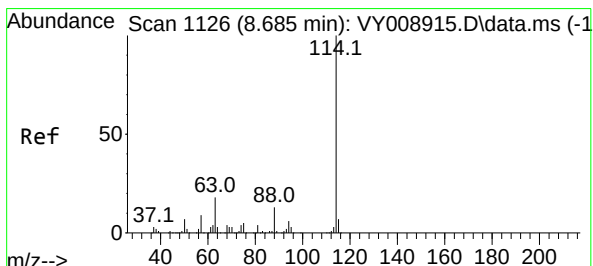
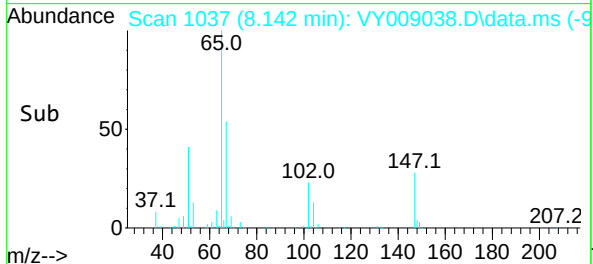
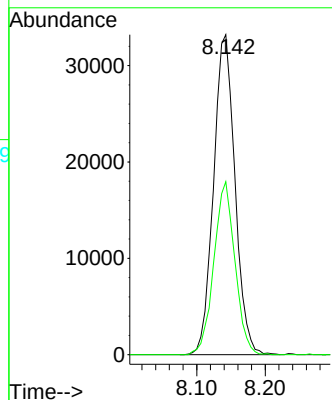
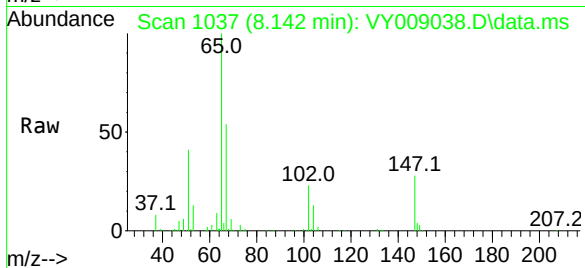
P036-SS002-0006-01

Tgt Ion: 65 Resp: 72031

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009038.D

Acq: 24 May 2022 04:21

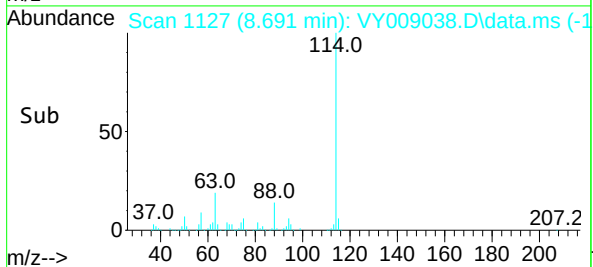
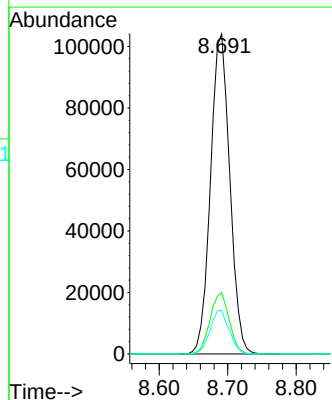
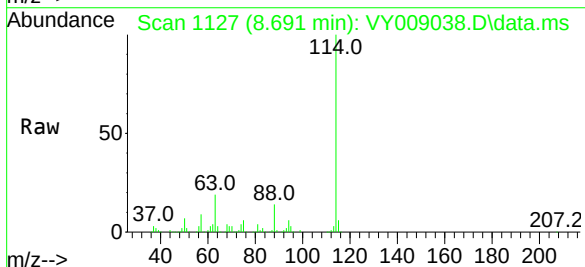
Tgt Ion: 114 Resp: 203594

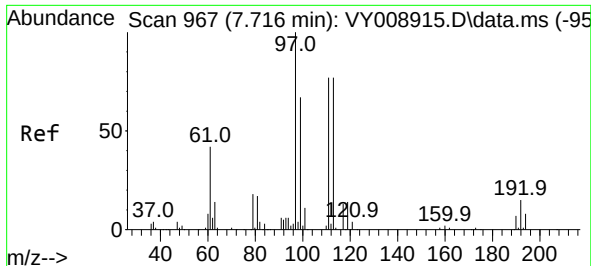
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.7 0.0 31.8

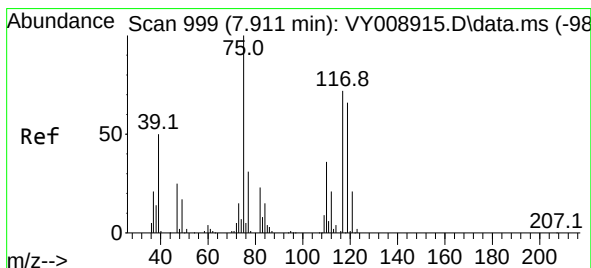
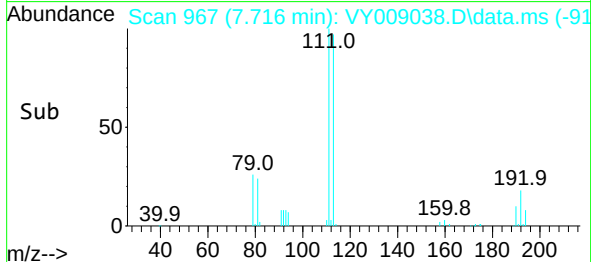
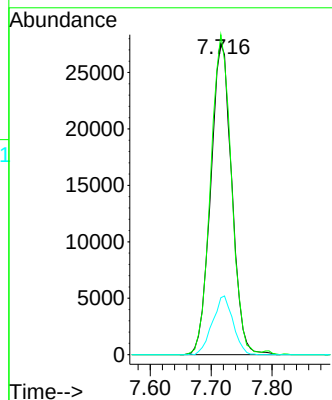
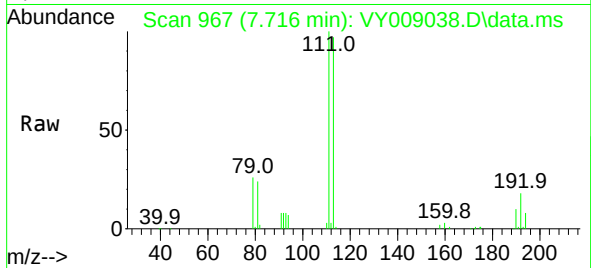




#35
Dibromofluoromethane
Concen: 52.225 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

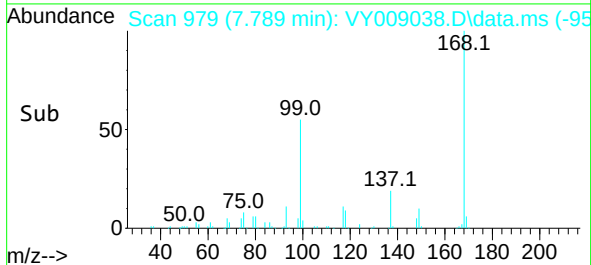
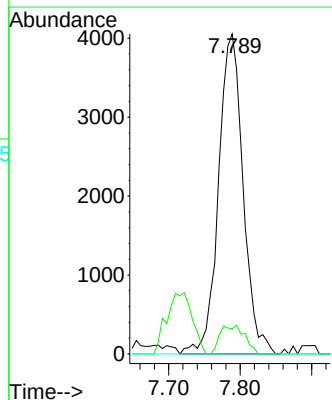
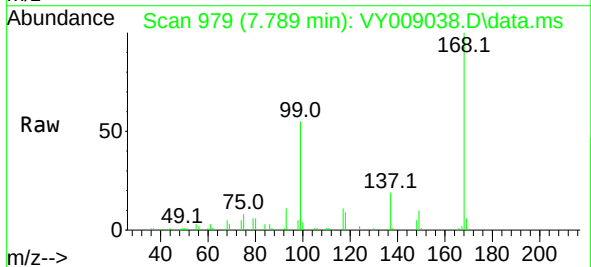
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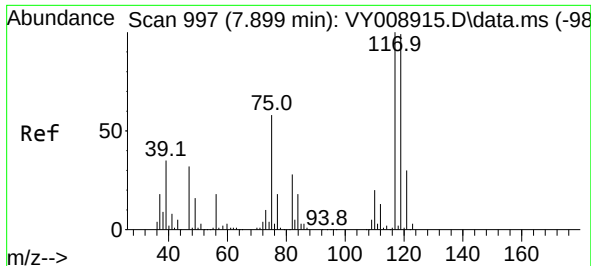
Tgt Ion:113 Resp: 66119
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 18.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

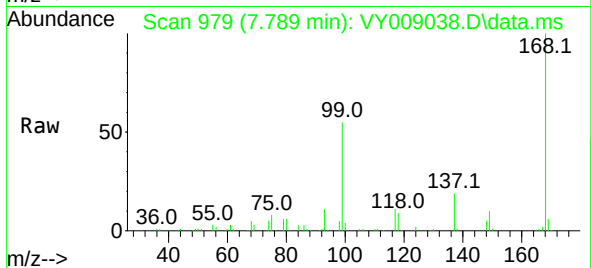
Tgt Ion: 75 Resp: 9671
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



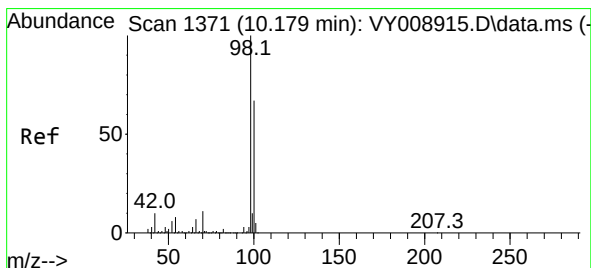
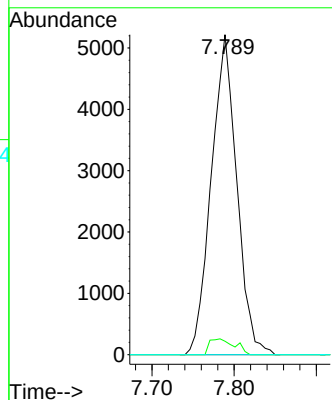
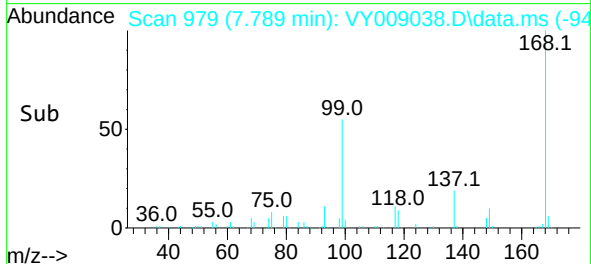


#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

Instrument :
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ClientSampleId :
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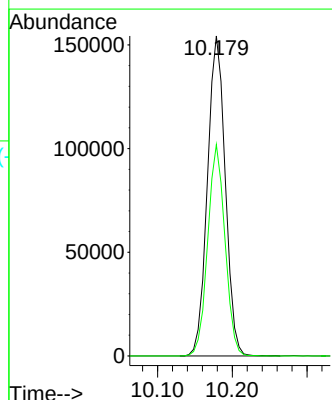
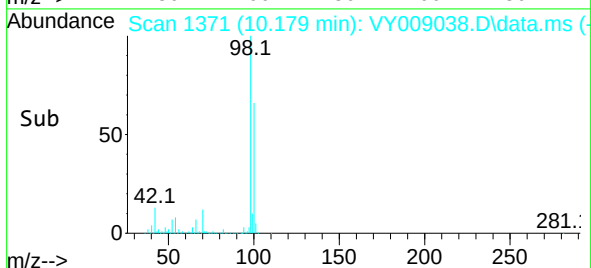
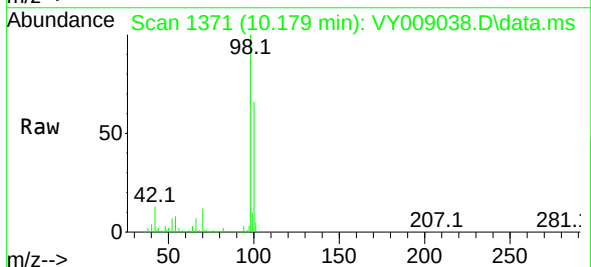


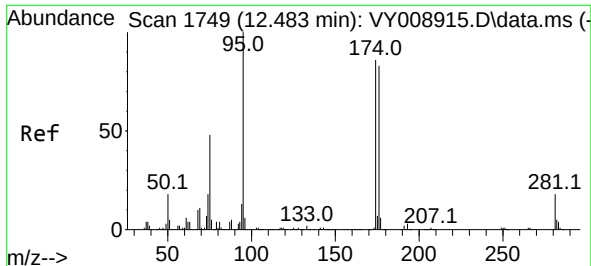
Tgt Ion:117 Resp: 11254
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.747 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009038.D
Acq: 24 May 2022 04:21

Tgt Ion: 98 Resp: 255699
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 37.553 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009038.D

Acq: 24 May 2022 04:21

Instrument :

MSVOA_Y

ClientSampleId :

P036-SS002-0006-01

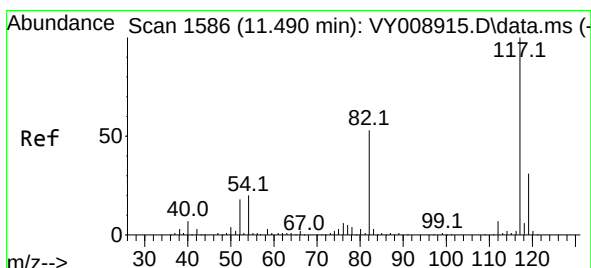
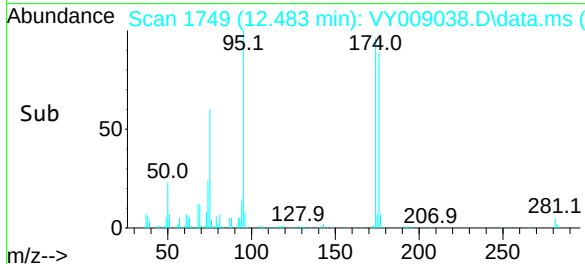
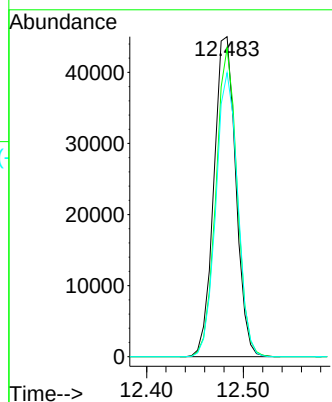
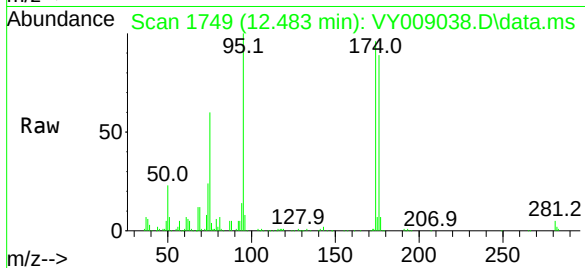
Tgt Ion: 95 Resp: 70753

Ion Ratio Lower Upper

95 100

174 93.1 0.0 177.0

176 88.4 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY009038.D

Acq: 24 May 2022 04:21

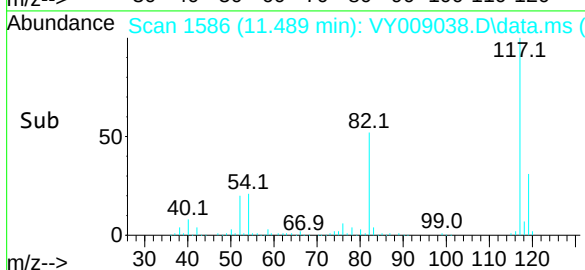
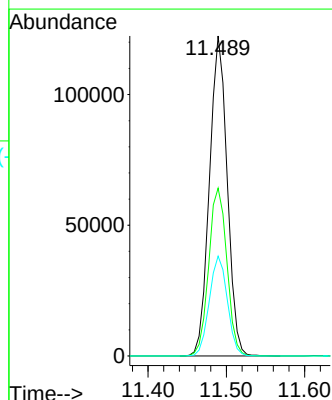
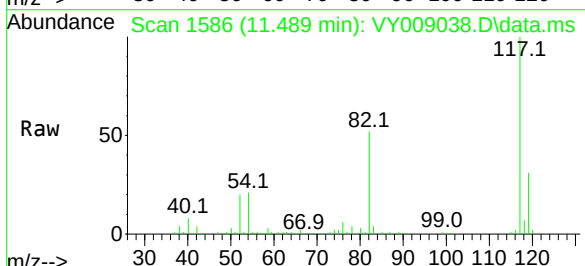
Tgt Ion: 117 Resp: 192200

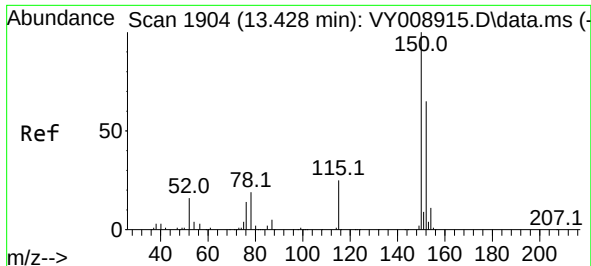
Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

119 31.2 25.4 38.0

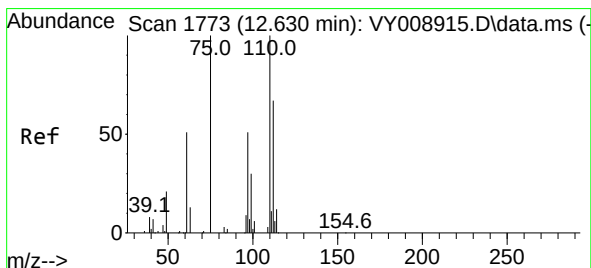
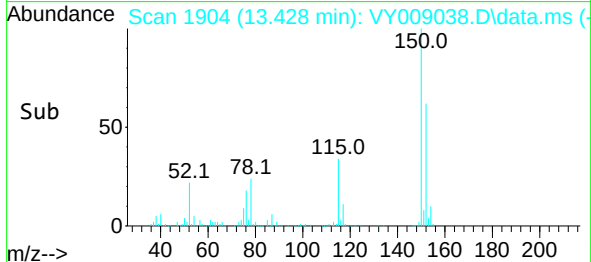
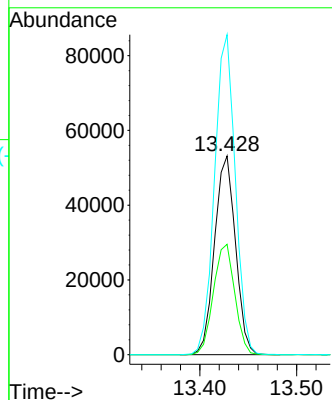
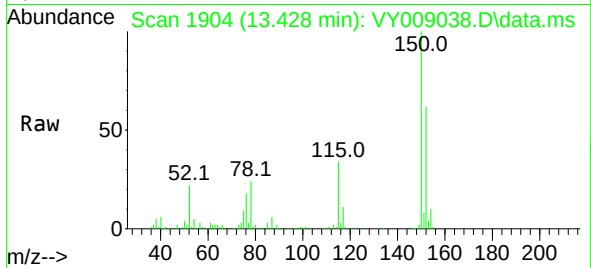




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009038.D
 Acq: 24 May 2022 04:21

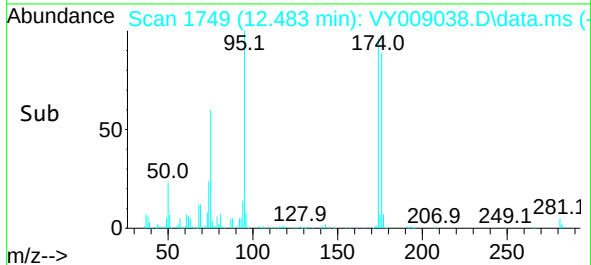
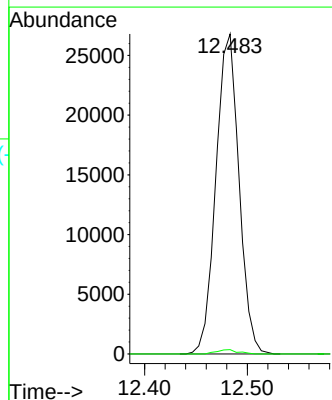
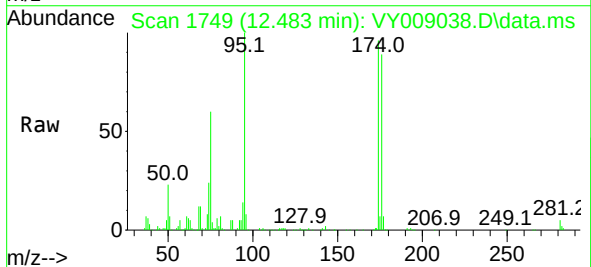
Instrument :
 MSVOA_Y
 ClientSampleId :
 P036-SS002-0006-01

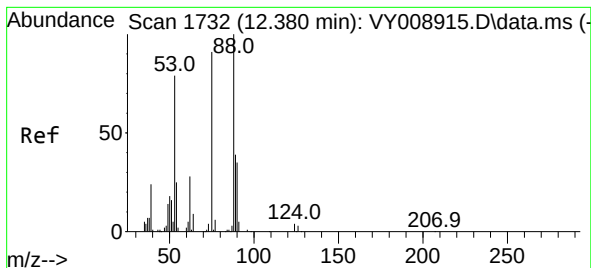
Tgt Ion:152 Resp: 79928
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.2 84.7
 150 159.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.622 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY009038.D
 Acq: 24 May 2022 04:21

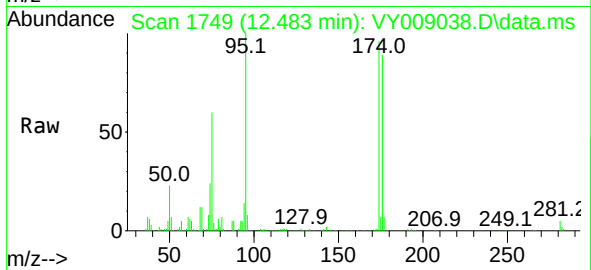
Tgt Ion: 75 Resp: 41734
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.797 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009038.D
 Acq: 24 May 2022 04:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 P036-SS002-0006-01



Tgt Ion: 75 Resp: 41734
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

