

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008522.D
 Acq On : 27 Apr 2022 13:14
 Operator : KP/MD
 Sample : N2577-05
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLIND-DUPLICATE-4-25-22

Quant Time: Apr 28 01:31:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

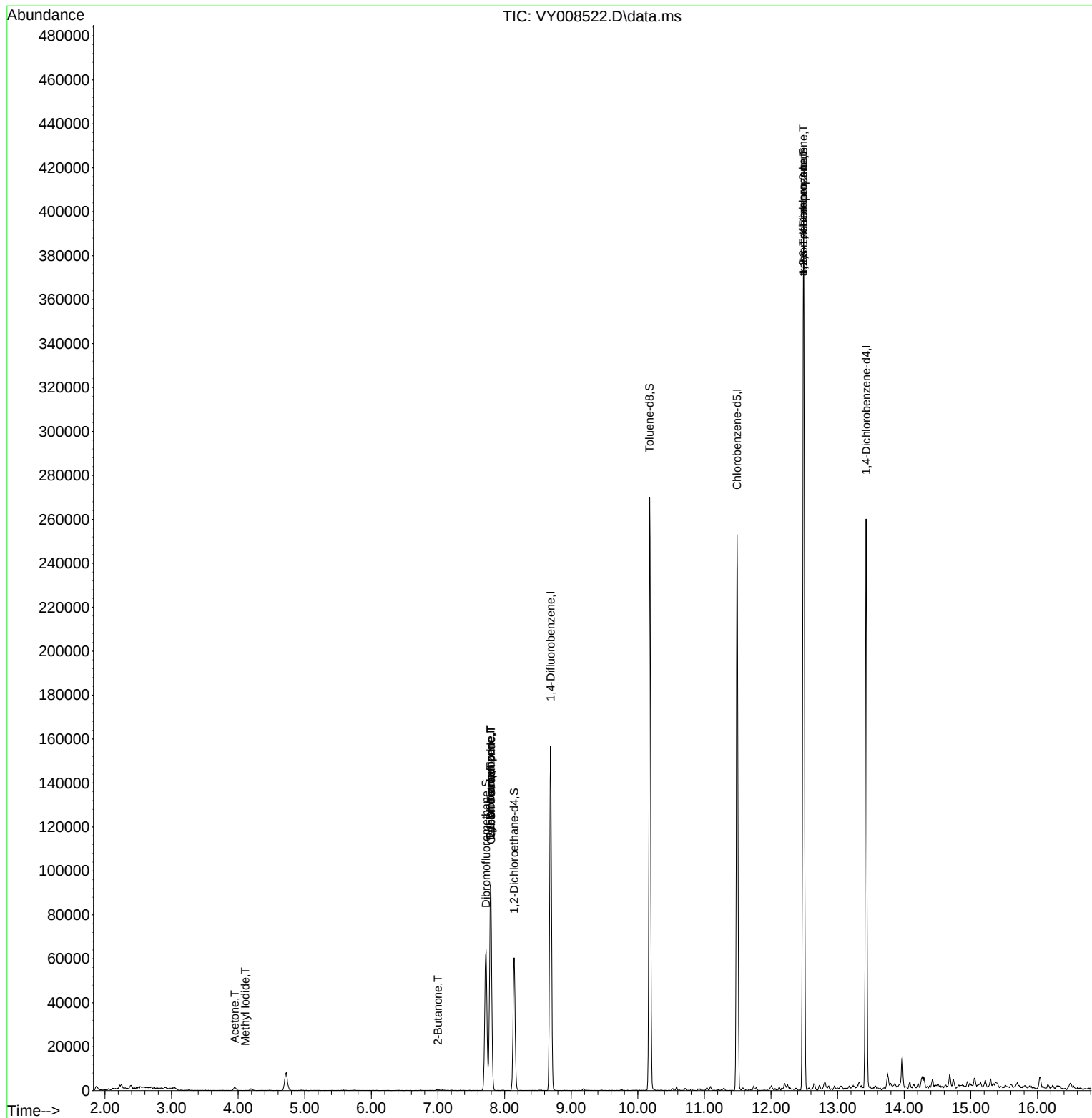
Internal Standards						
1) Pentafluorobenzene	7.789	168	73527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	136907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	140969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45808	52.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.900%	
35) Dibromofluoromethane	7.722	113	45352	51.328	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.660%	
50) Toluene-d8	10.179	98	172284	48.974	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	12.483	95	61560	51.741	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.480%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	27	1.716	ug/l #	35
11) Tert butyl alcohol	4.942	59	265	Below Cal	#	77
16) Acetone	3.948	43	2755	13.672	ug/l #	81
20) Methylene Chloride	4.722	84	6320	Below Cal	#	79
25) 2-Butanone	6.996	43	392	1.257	ug/l #	54
31) Cyclohexane	7.789	56	1658	1.166	ug/l #	17
36) 1,1-Dichloropropene	7.789	75	5874	4.179	ug/l #	52
38) Carbon Tetrachloride	7.795	117	7374	5.050	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	35872	43.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35872	100.882	ug/l #	9

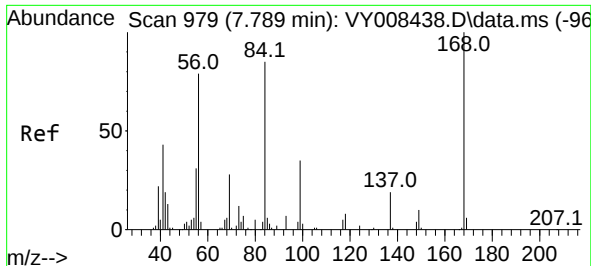
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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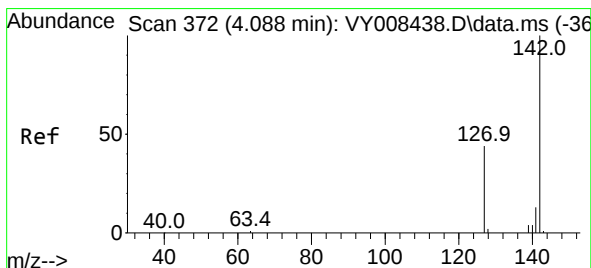
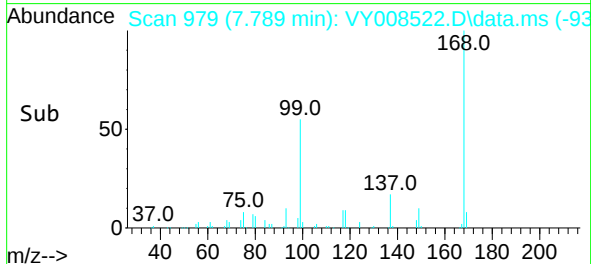
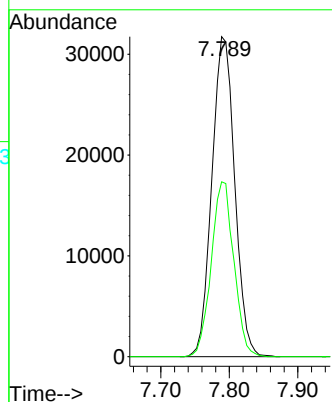
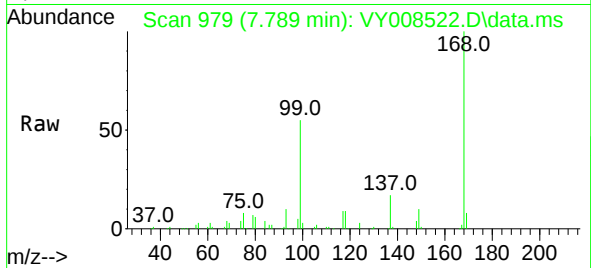




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

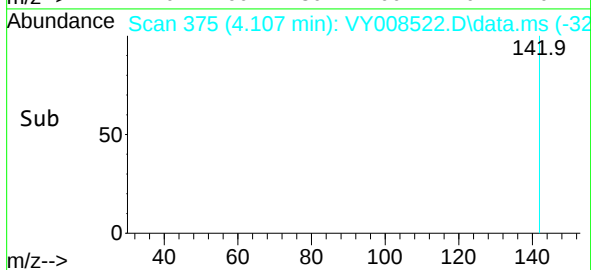
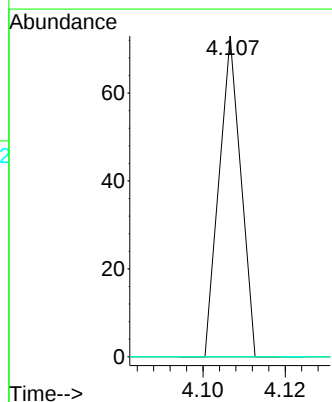
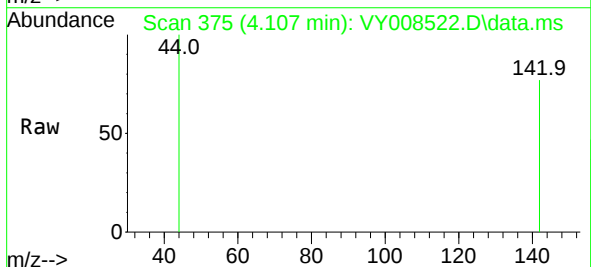
Instrument :
MSVOA_Y
ClientSampleId :
BLIND-DUPLICATE-4-25-22

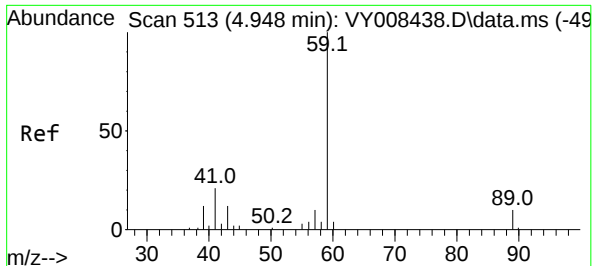
Tgt Ion:168 Resp: 73527
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#10
Methyl Iodide
Concen: 1.716 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

Tgt Ion:142 Resp: 27
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY008522.D

Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

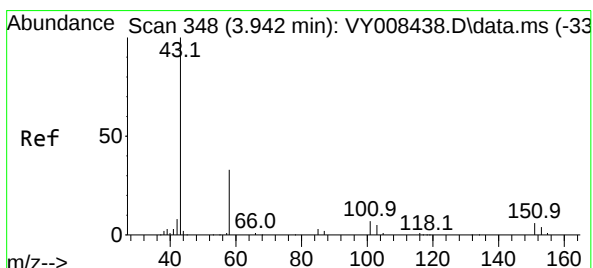
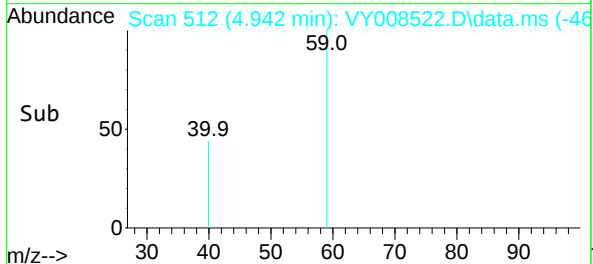
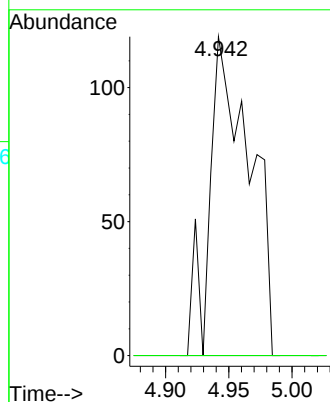
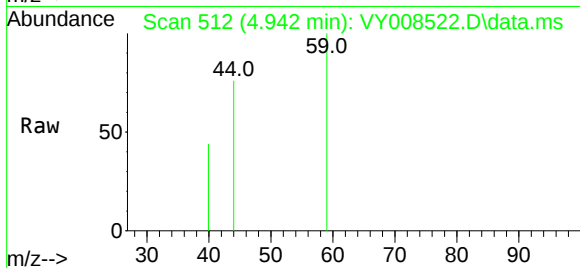
BLIND-DUPLICATE-4-25-22

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 13.672 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008522.D

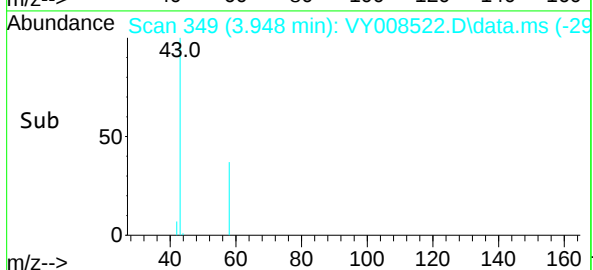
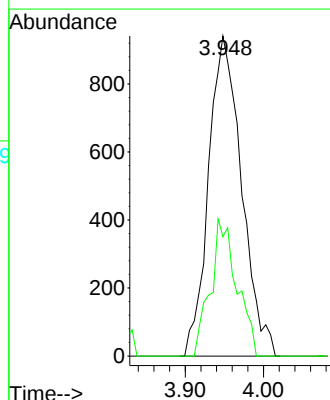
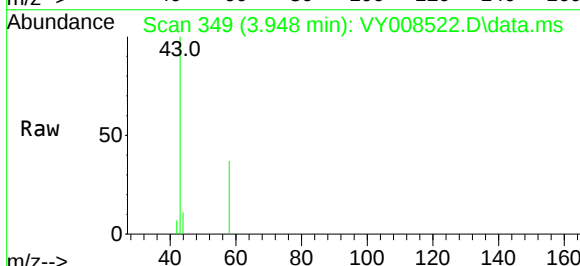
Acq: 27 Apr 2022 13:14

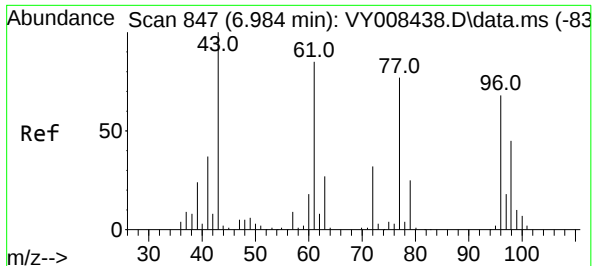
Tgt Ion: 43 Resp: 2755

Ion Ratio Lower Upper

43 100

58 37.3 22.0 33.0#





#25

2-Butanone

Concen: 1.257 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY008522.D

Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

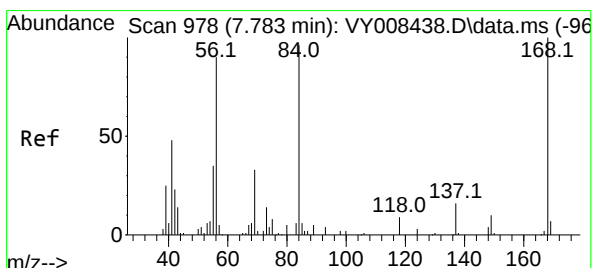
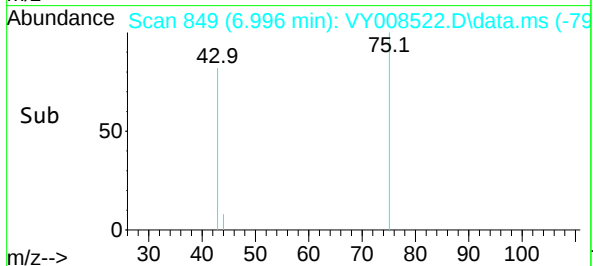
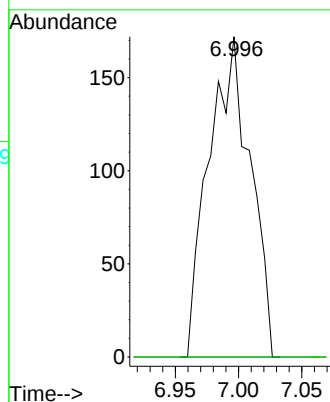
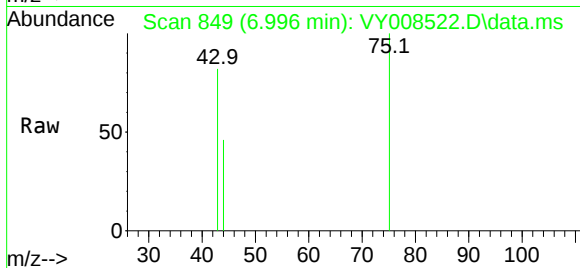
BLIND-DUPLICATE-4-25-22

Tgt Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008522.D

Acq: 27 Apr 2022 13:14

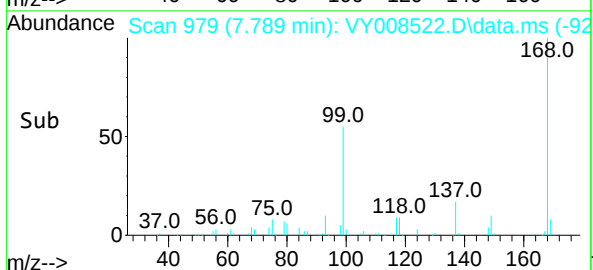
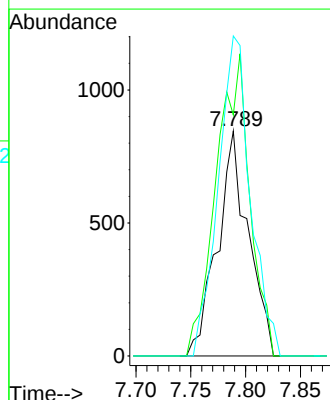
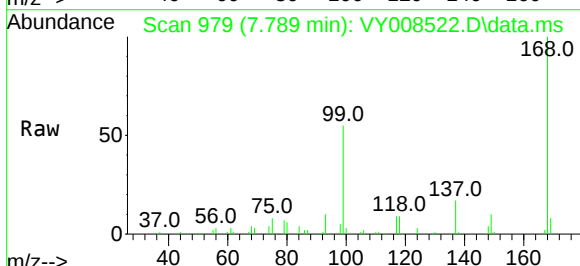
Tgt Ion: 56 Resp: 1658

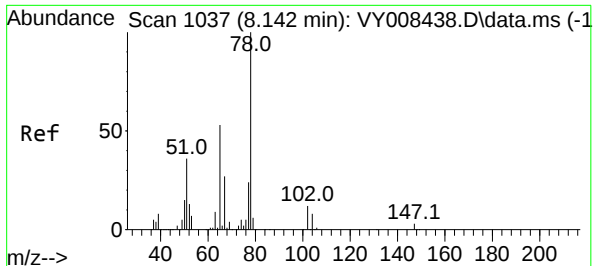
Ion Ratio Lower Upper

56 100

69 107.1 26.7 40.1#

84 142.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.949 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008522.D

Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

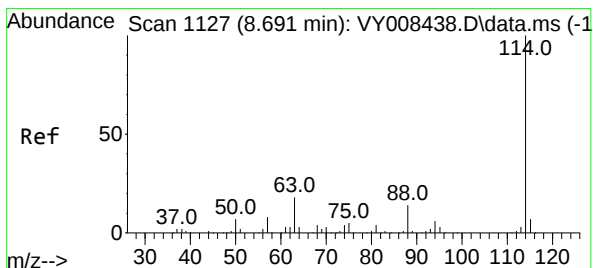
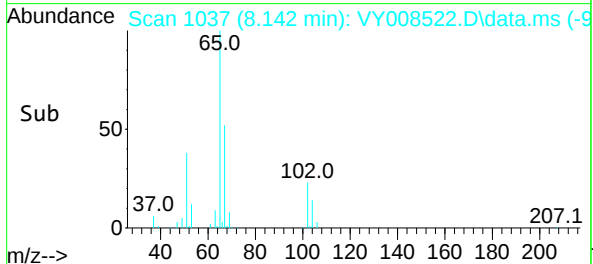
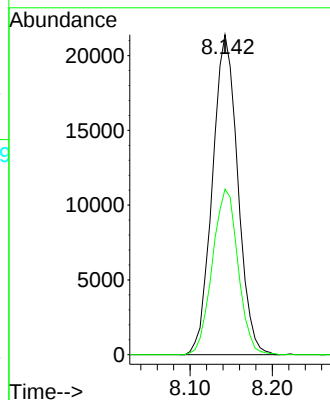
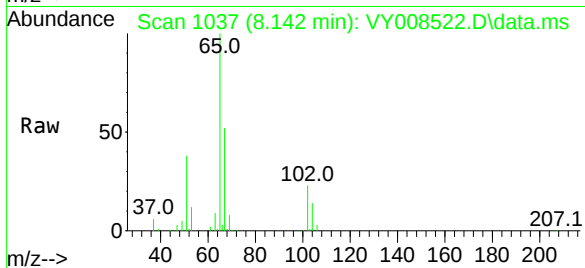
BLIND-DUPLICATE-4-25-22

Tgt Ion: 65 Resp: 45808

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008522.D

Acq: 27 Apr 2022 13:14

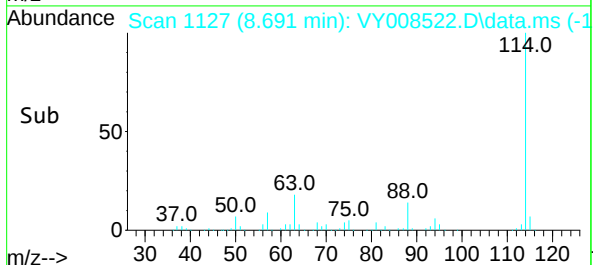
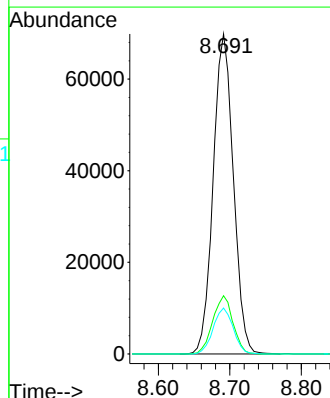
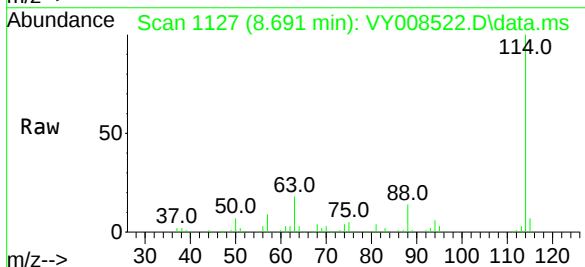
Tgt Ion:114 Resp: 136907

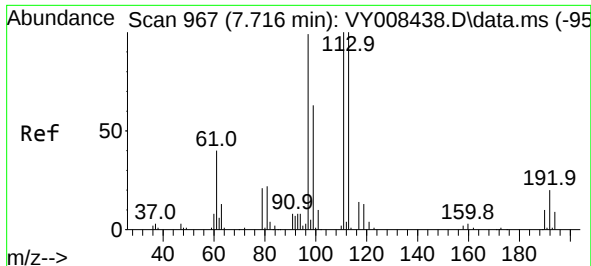
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.4 0.0 31.8

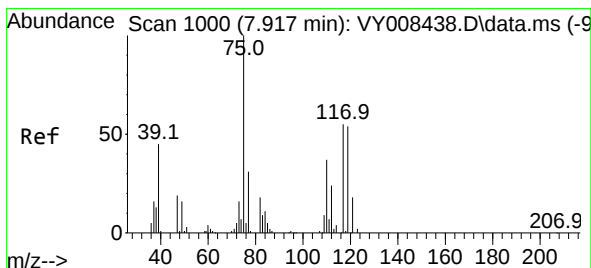
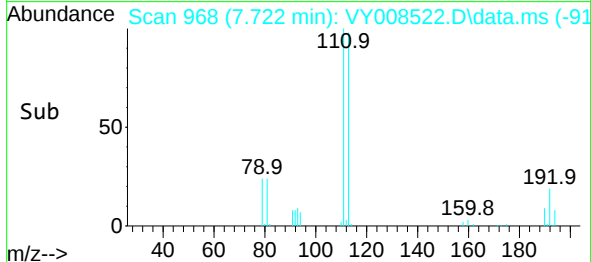
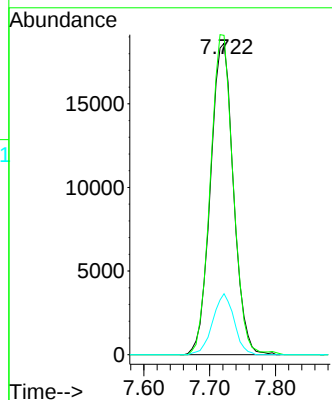
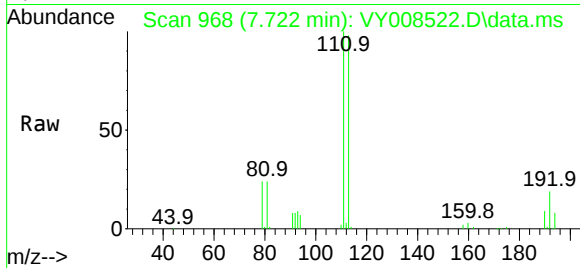




#35
Dibromofluoromethane
Concen: 51.328 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

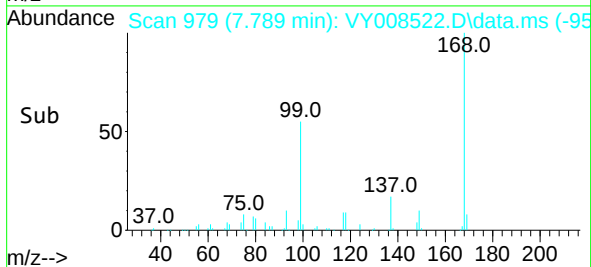
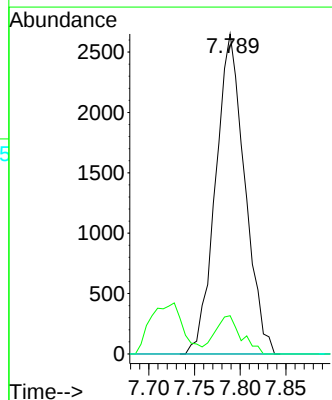
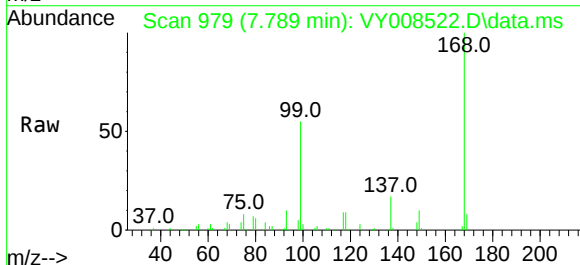
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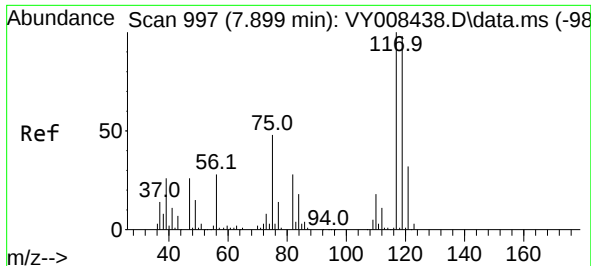
Tgt Ion:113 Resp: 45352
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 18.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.179 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 75 Resp: 5874
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.0 24.4 36.6#

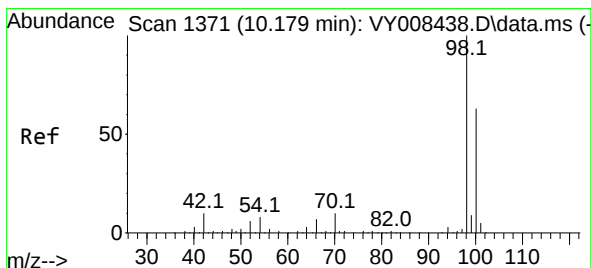
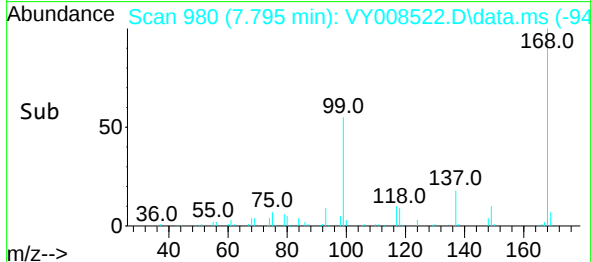
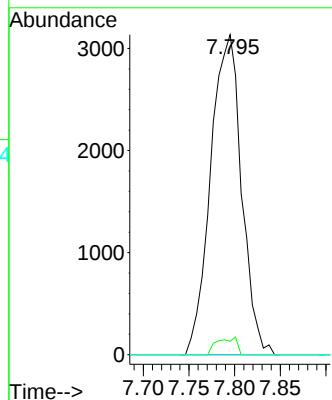
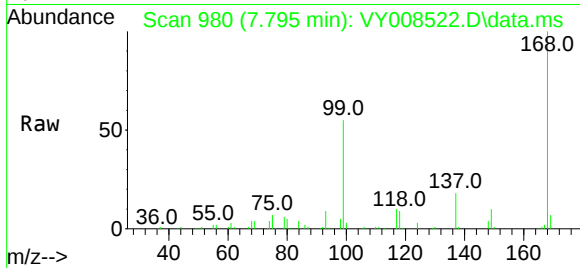




#38
Carbon Tetrachloride
Concen: 5.050 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

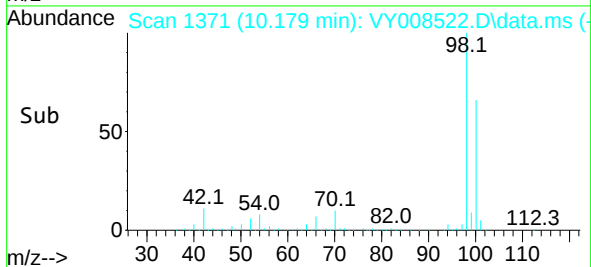
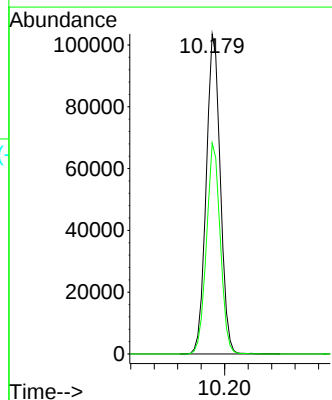
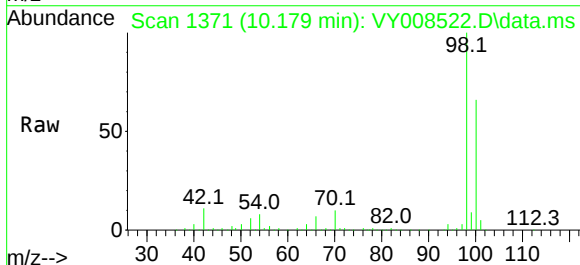
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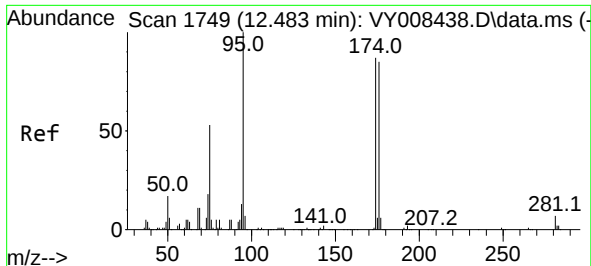
Tgt Ion:117 Resp: 7374
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.974 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 98 Resp: 172284
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

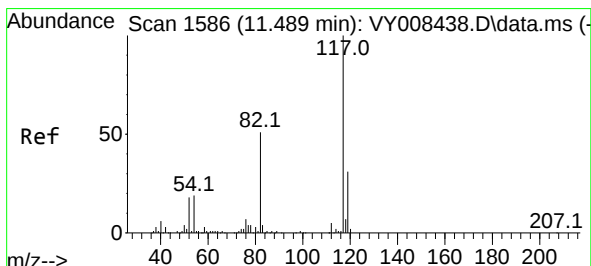
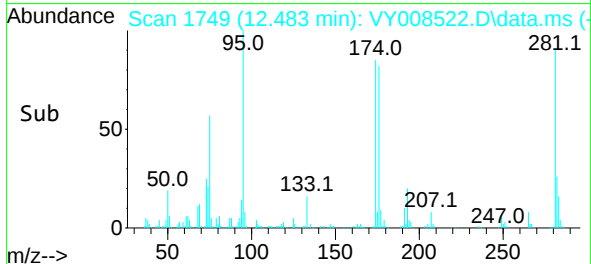
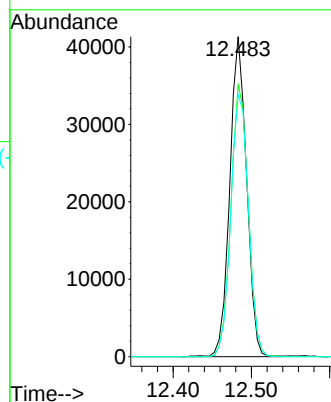
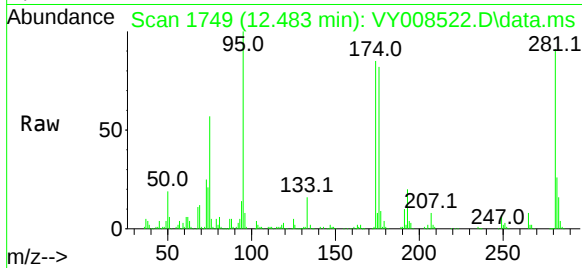




#62
4-Bromofluorobenzene
Concen: 51.741 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

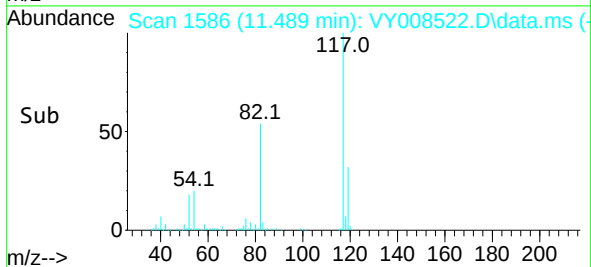
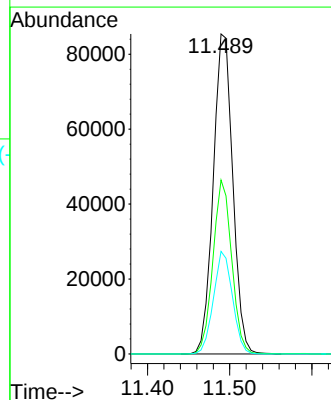
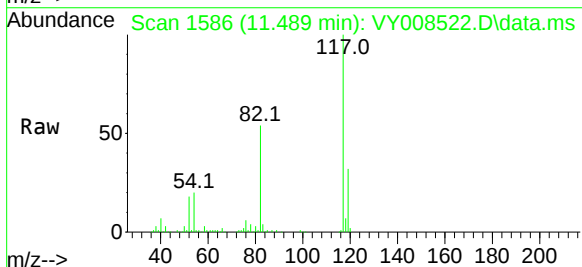
Instrument :
MSVOA_Y
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BLIND-DUPLICATE-4-25-22

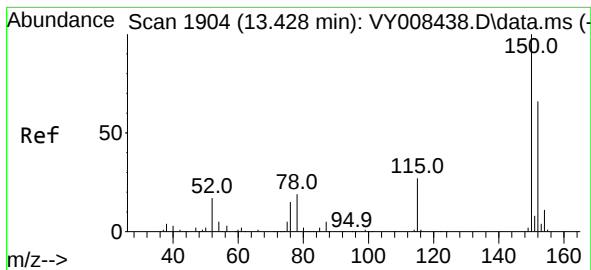
Tgt Ion: 95 Resp: 61560
Ion Ratio Lower Upper
95 100
174 87.7 0.0 177.0
176 86.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008522.D
Acq: 27 Apr 2022 13:14

Tgt Ion: 117 Resp: 140969
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.1 25.4 38.0

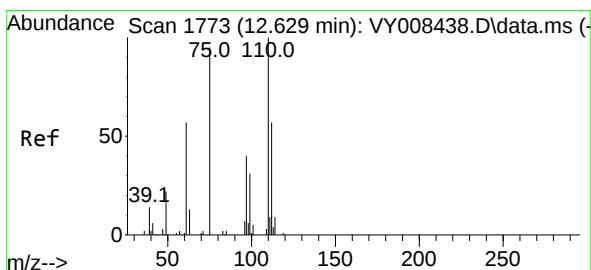
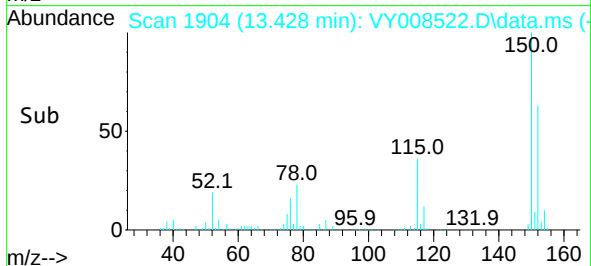
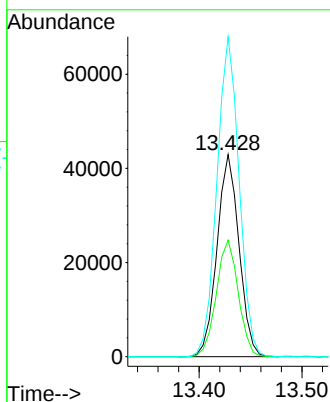
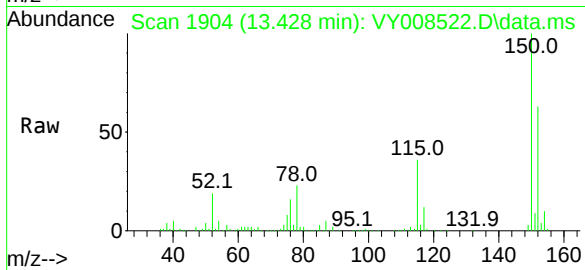




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008522.D
 Acq: 27 Apr 2022 13:14

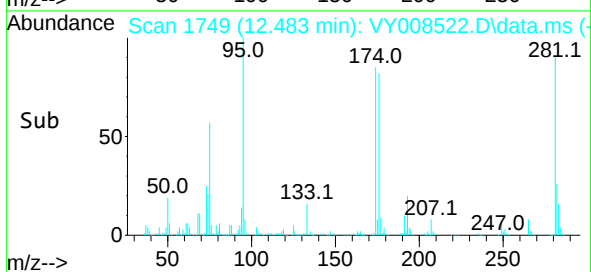
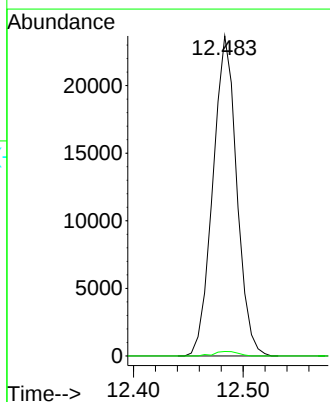
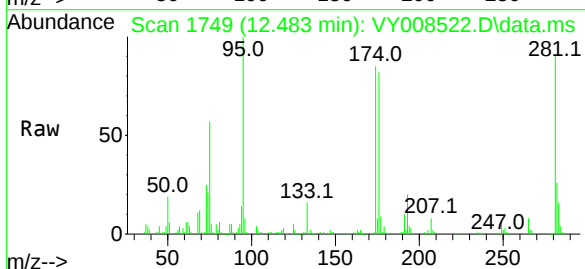
Instrument :
 MSVOA_Y
 ClientSampleId :
 BLIND-DUPLICATE-4-25-22

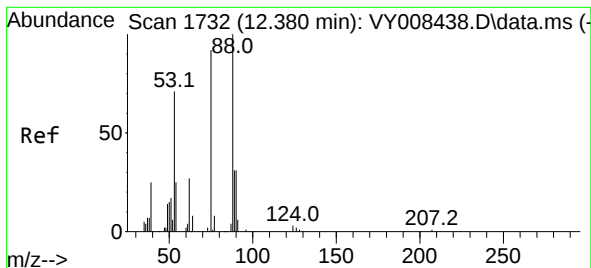
Tgt Ion:152 Resp: 63741
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 159.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.486 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008522.D
 Acq: 27 Apr 2022 13:14

Tgt Ion: 75 Resp: 35872
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 100.882 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY008522.D

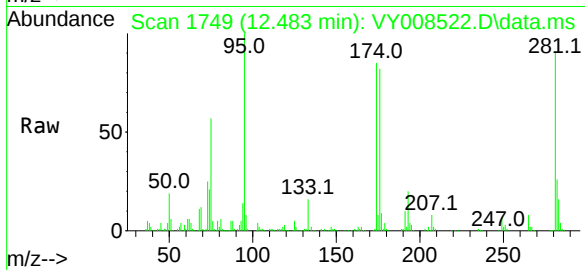
Acq: 27 Apr 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :

BLIND-DUPLICATE-4-25-22



Tgt Ion: 75 Resp: 35872

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 2.9 37.0 55.4#

