

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010288.D
 Acq On : 02 Sep 2022 18:51
 Operator : KP/MD
 Sample : N4464-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Sep 02 22:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

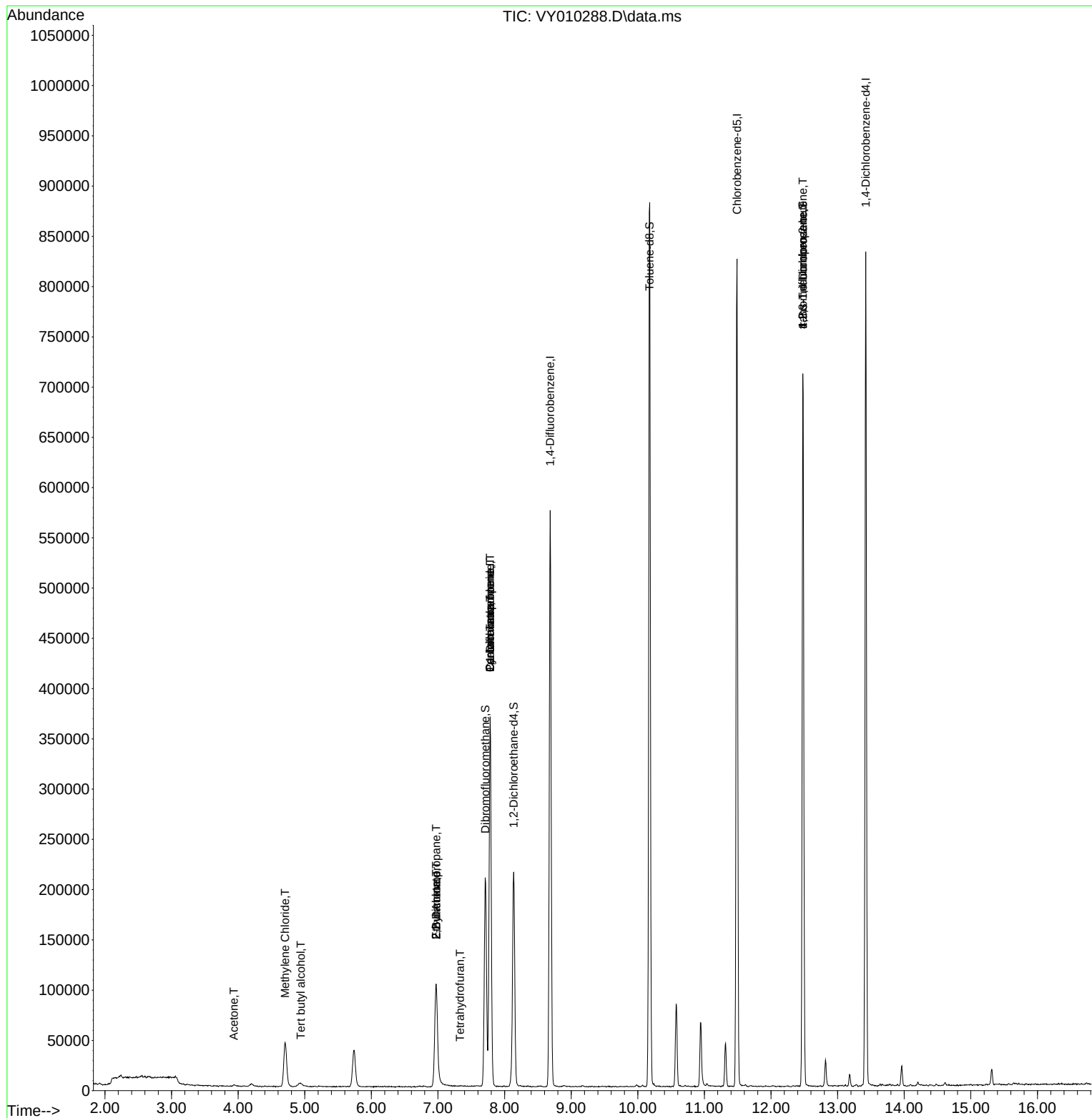
Internal Standards						
1) Pentafluorobenzene	7.783	168	287331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	494101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	460313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	209894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165527	56.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.360%			
35) Dibromofluoromethane	7.710	113	149971	45.593	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.180%			
50) Toluene-d8	10.179	98	586060	53.217	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.477	95	208103	46.778	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.560%			
Target Compounds			Qvalue			
5) Bromomethane	2.656	94	678	Below Cal #	29	
11) Tert butyl alcohol	4.942	59	5763	16.350 ug/l #	80	
16) Acetone	3.936	43	2476	3.362 ug/l	100	
20) Methylene Chloride	4.704	84	32944	9.269 ug/l	84	
25) 2-Butanone	6.972	43	5939	4.913 ug/l #	89	
26) 2,2-Dichloropropane	6.972	77	7992	1.489 ug/l #	55	
29) Tetrahydrofuran	7.332	42	995	1.285 ug/l #	55	
31) Cyclohexane	7.783	56	5845	1.017 ug/l #	1	
36) 1,1-Dichloropropene	7.783	75	20865	4.323 ug/l #	51	
37) Ethyl Acetate	6.972	43	5939	2.146 ug/l #	1	
38) Carbon Tetrachloride	7.783	117	27422	5.513 ug/l #	15	
76) 1,2,3-Trichloropropane	12.477	75	107380	42.989 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.477	75	107380	89.681 ug/l #	7	

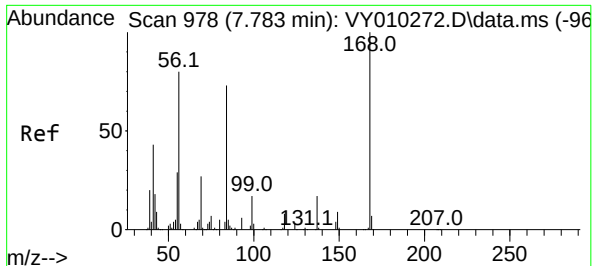
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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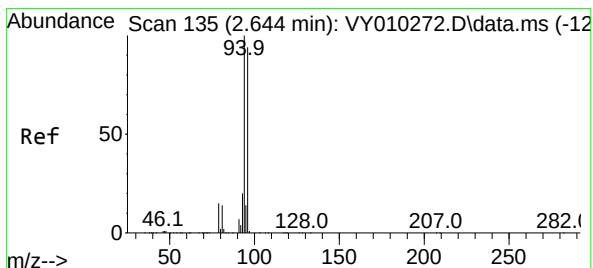
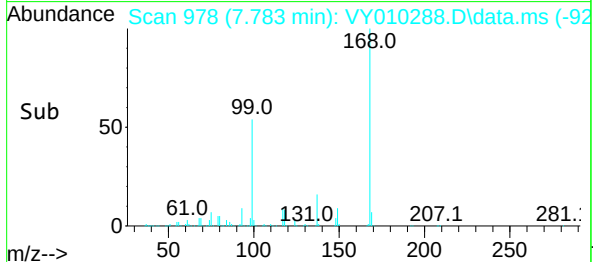
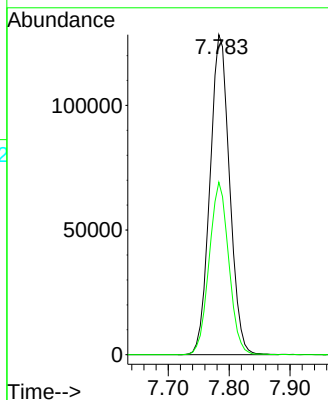
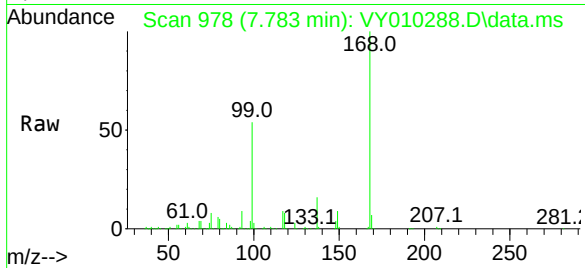




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

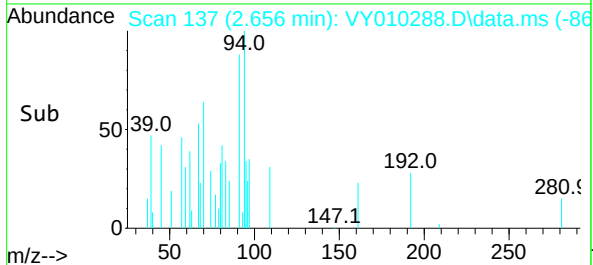
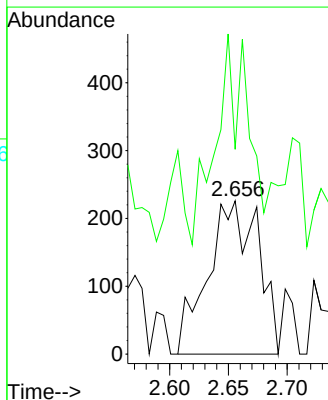
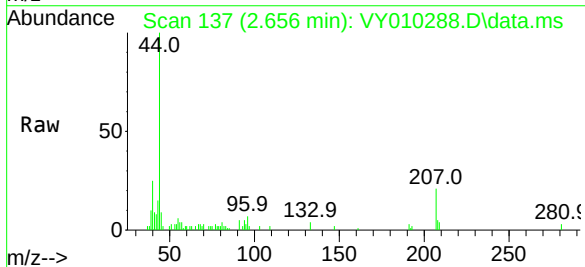
Instrument :
MSVOA_Y
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WC-1

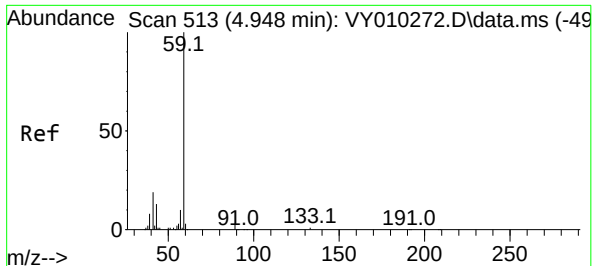
Tgt Ion:168 Resp: 287331
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.012 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 23.9 73.5 110.3#





#11

Tert butyl alcohol

Concen: 16.350 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010288.D

Acq: 02 Sep 2022 18:51

Instrument :

MSVOA_Y

ClientSampleId :

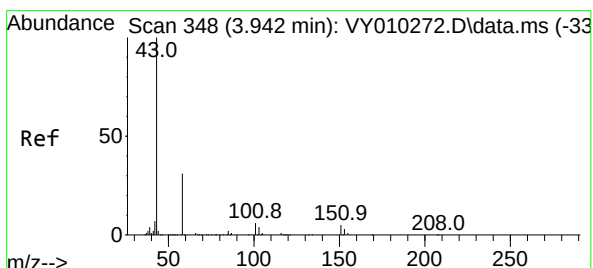
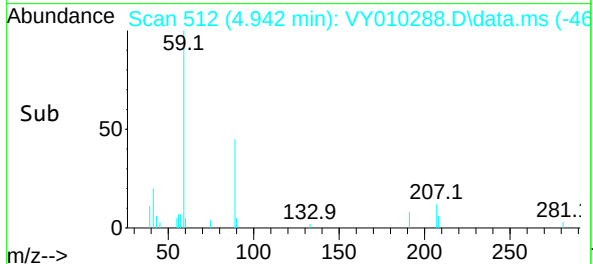
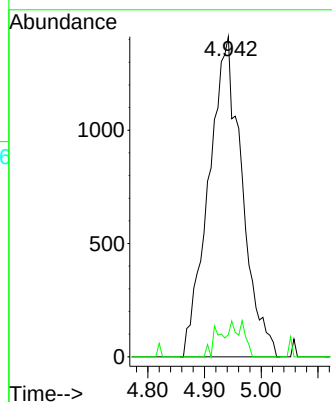
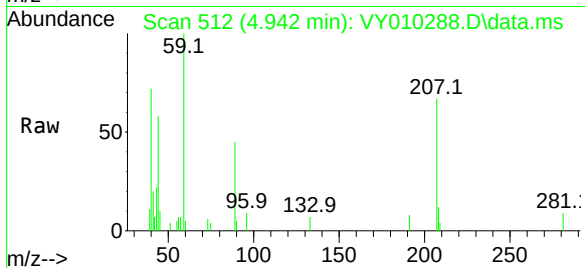
WC-1

Tgt Ion: 59 Resp: 5763

Ion Ratio Lower Upper

59 100

57 1.1 6.4 9.6#



#16

Acetone

Concen: 3.362 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY010288.D

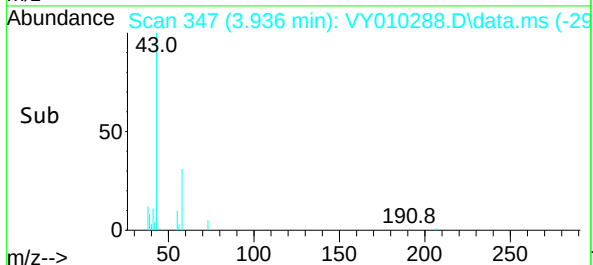
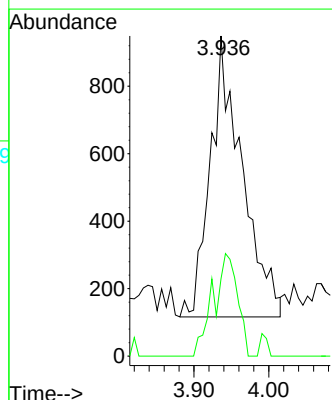
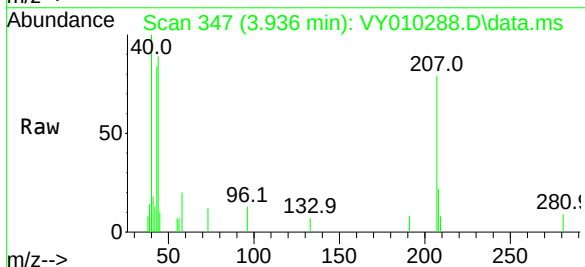
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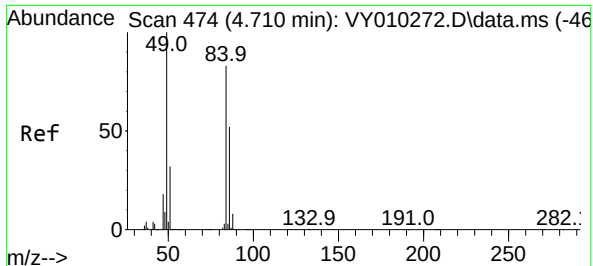
Tgt Ion: 43 Resp: 2476

Ion Ratio Lower Upper

43 100

58 27.5 22.0 33.0

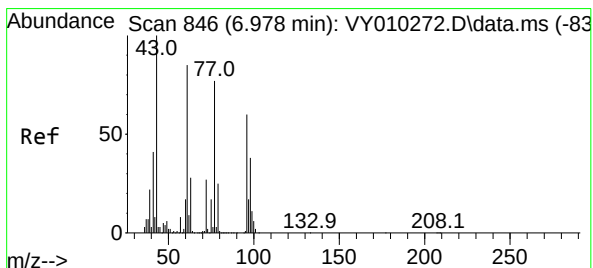
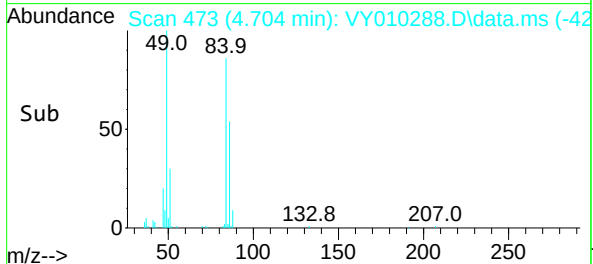
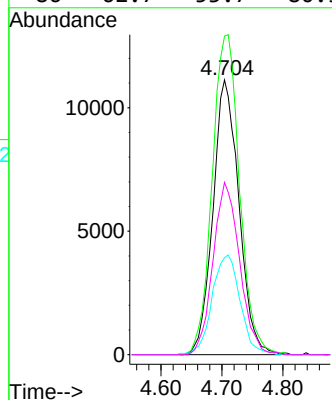
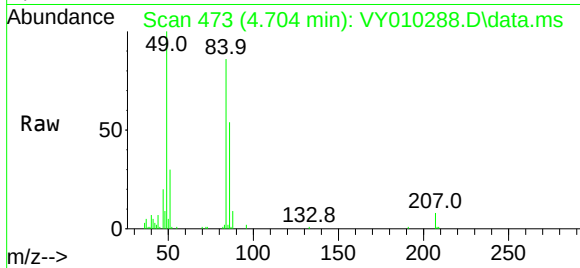




#20
Methylene Chloride
Concen: 9.269 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

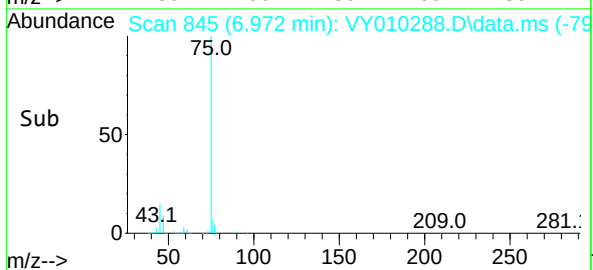
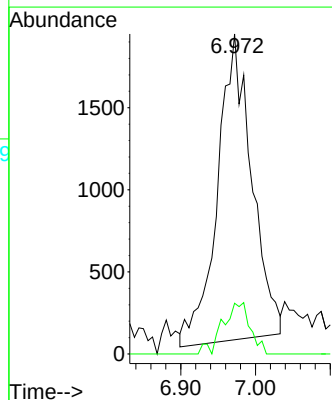
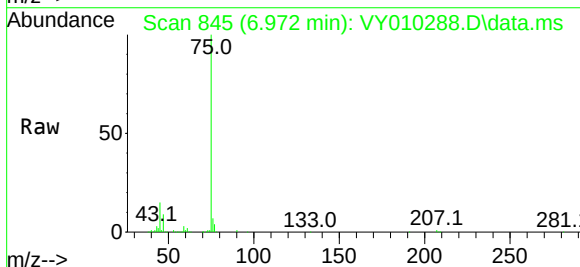
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

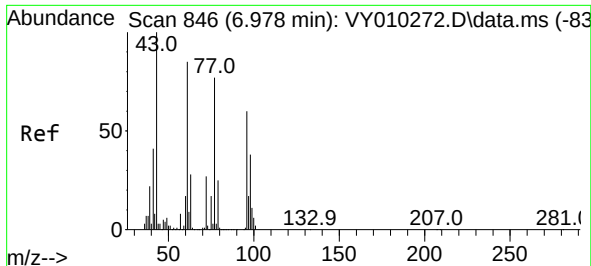
Tgt Ion: 84 Resp: 32944
Ion Ratio Lower Upper
84 100
49 115.9 114.4 171.6
51 35.3 35.3 52.9
86 62.7 53.7 80.5



#25
2-Butanone
Concen: 4.913 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 43 Resp: 5939
Ion Ratio Lower Upper
43 100
72 16.9 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.489 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010288.D

Acq: 02 Sep 2022 18:51

Instrument :

MSVOA_Y

ClientSampleId :

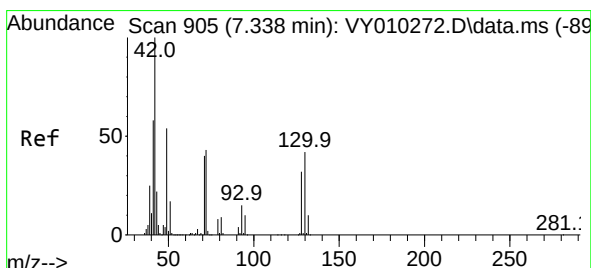
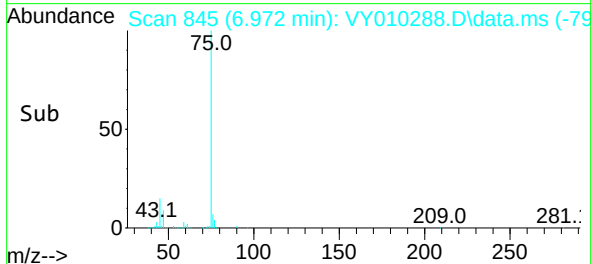
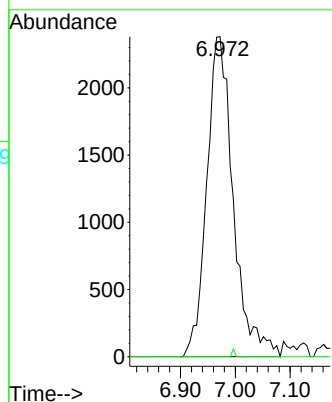
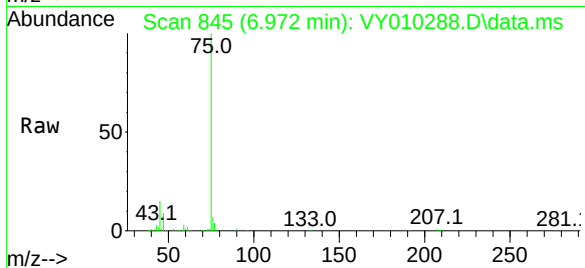
WC-1

Tgt Ion: 77 Resp: 7992

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#29

Tetrahydrofuran

Concen: 1.285 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY010288.D

Acq: 02 Sep 2022 18:51

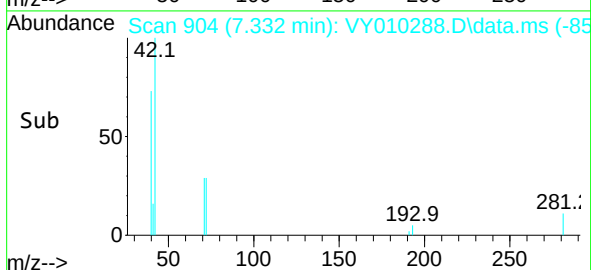
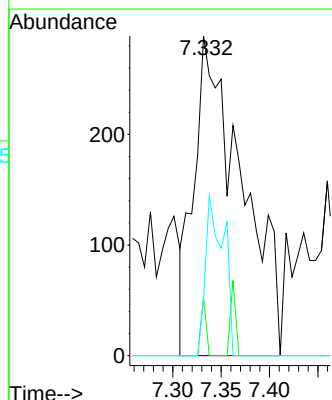
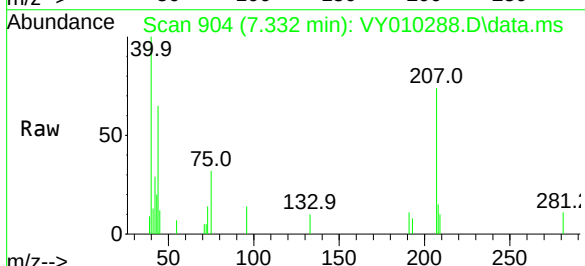
Tgt Ion: 42 Resp: 995

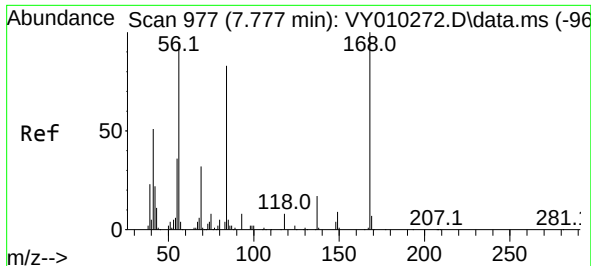
Ion Ratio Lower Upper

42 100

72 1.9 30.3 45.5#

71 19.2 29.0 43.4#

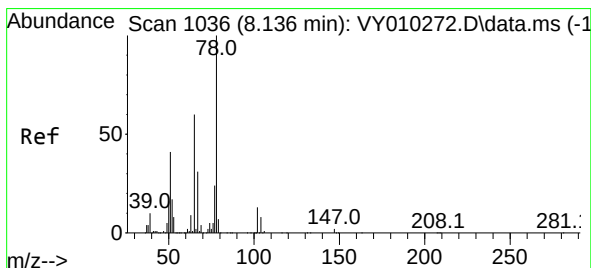
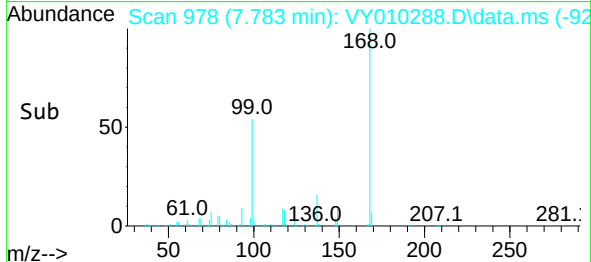
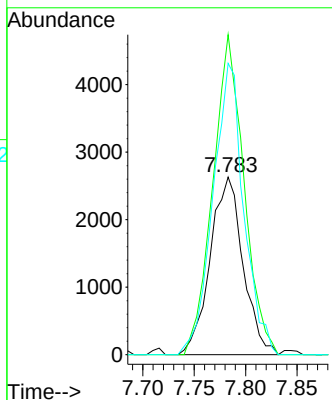
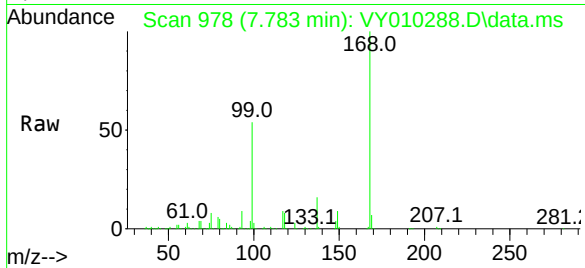




#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

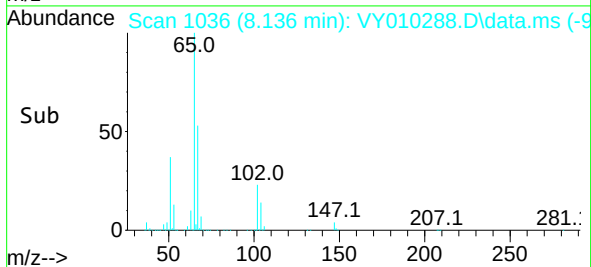
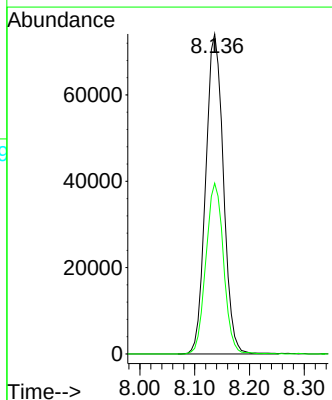
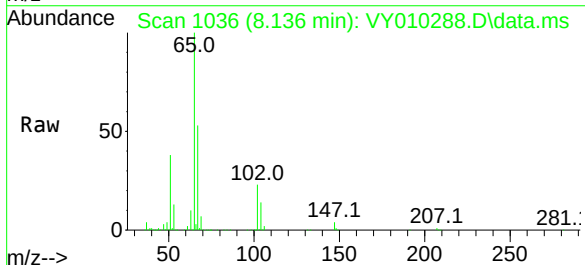
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ClientSampleId :
WC-1

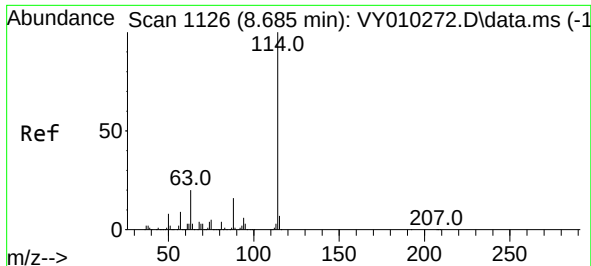
Tgt Ion: 56 Resp: 5845
Ion Ratio Lower Upper
56 100
69 180.1 26.7 40.1#
84 164.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.182 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 65 Resp: 165527
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4

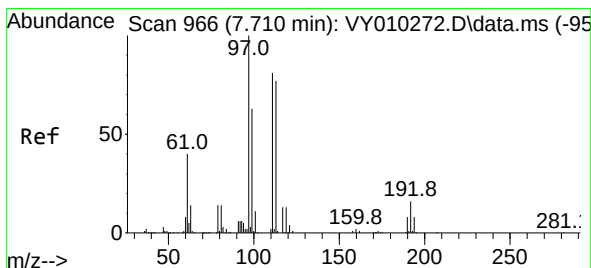
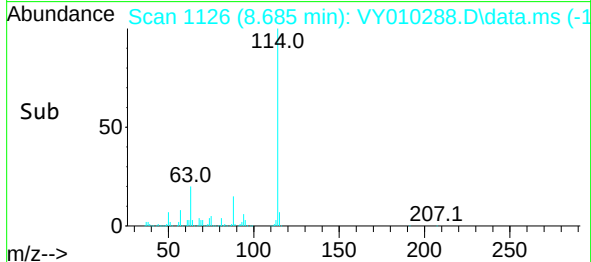
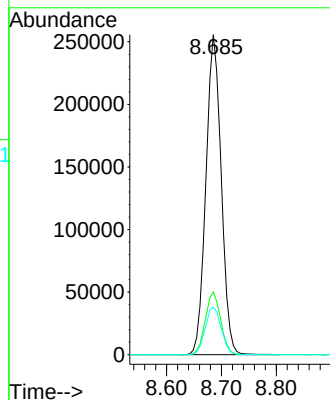
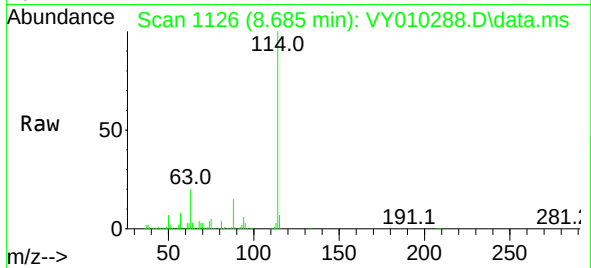




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

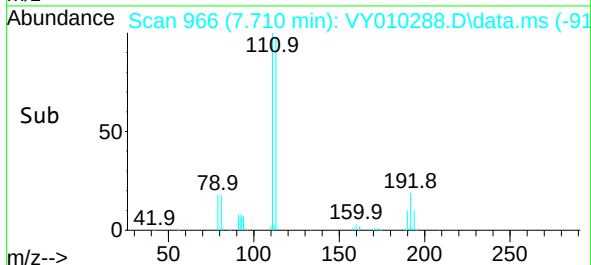
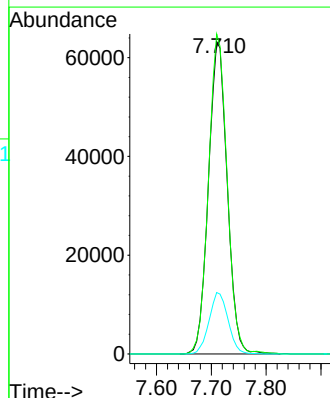
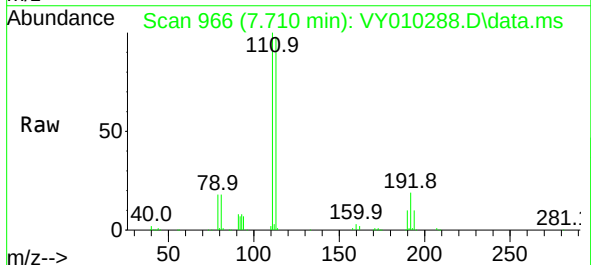
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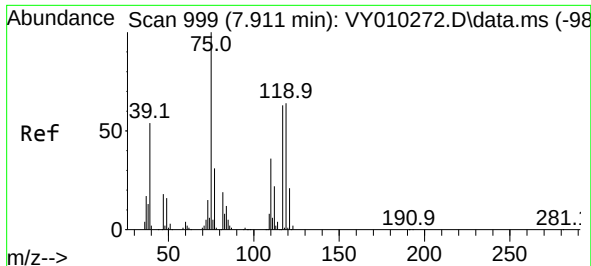
Tgt Ion:114 Resp: 494101
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.2
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.593 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion:113 Resp: 149971
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 20.0 17.6 26.4

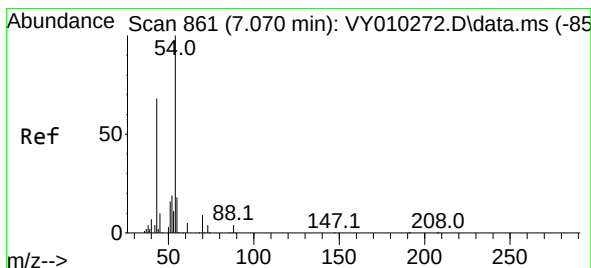
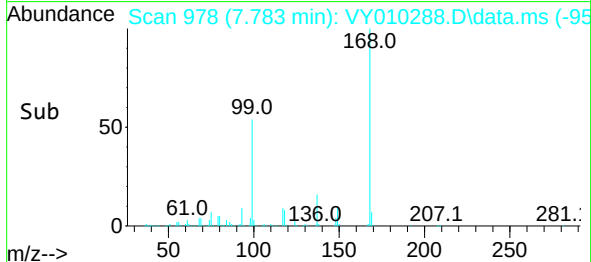
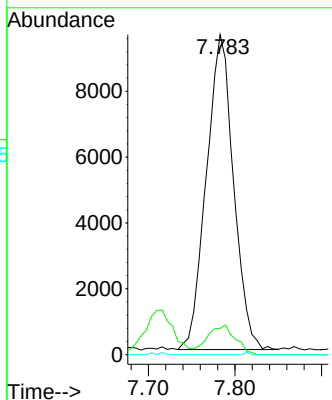
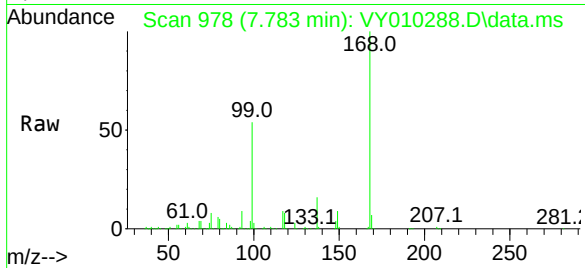




#36
1,1-Dichloropropene
Concen: 4.323 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

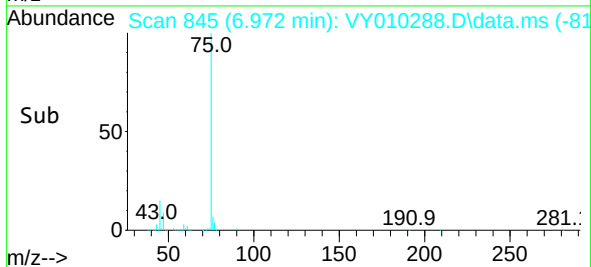
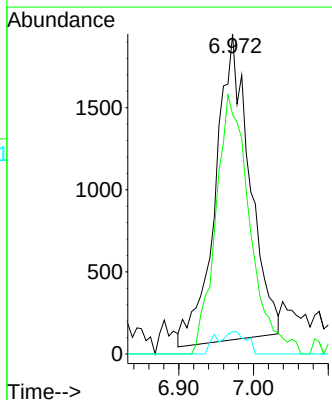
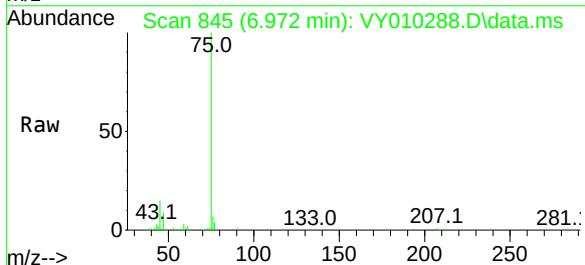
Instrument :
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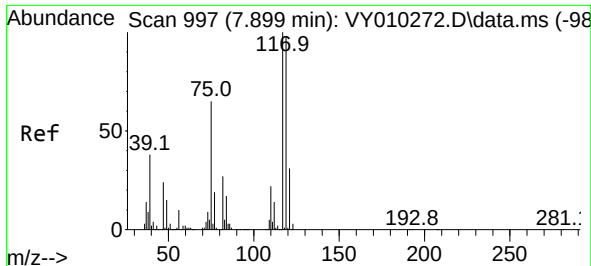
Tgt Ion: 75 Resp: 20865
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.146 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 43 Resp: 5939
Ion Ratio Lower Upper
43 100
61 84.3 9.7 14.5#
70 4.7 7.1 10.7#

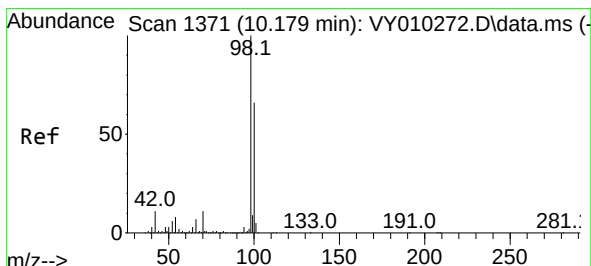
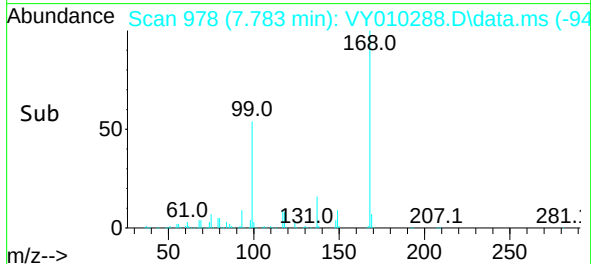
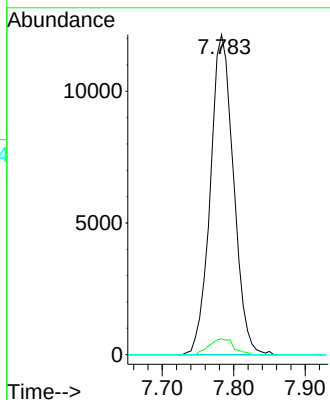
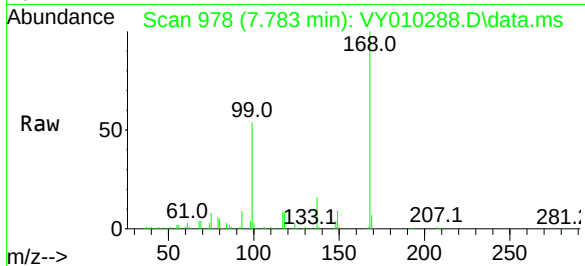




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

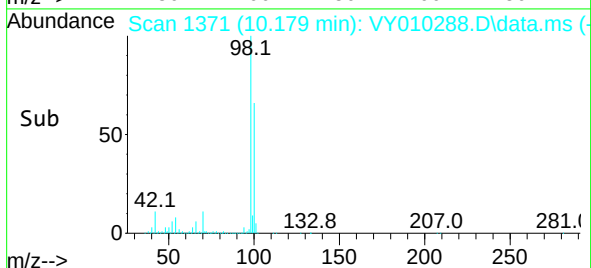
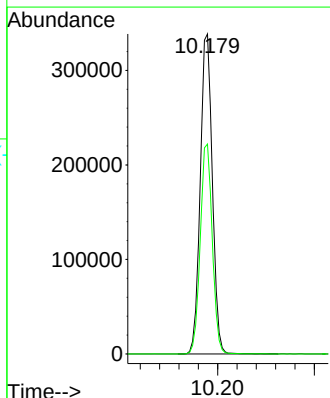
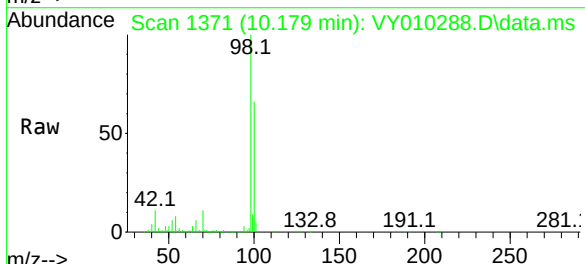
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

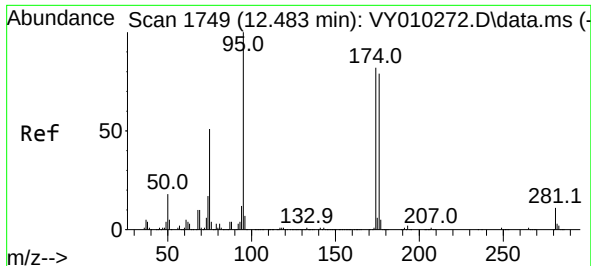
Tgt Ion:117 Resp: 27422
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.217 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 98 Resp: 586060
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

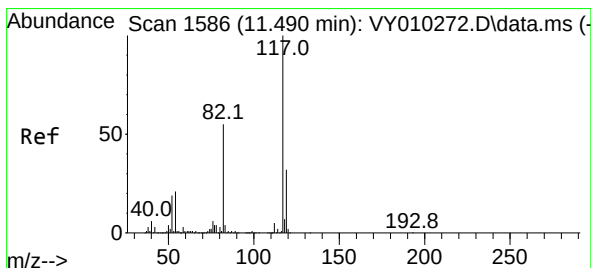
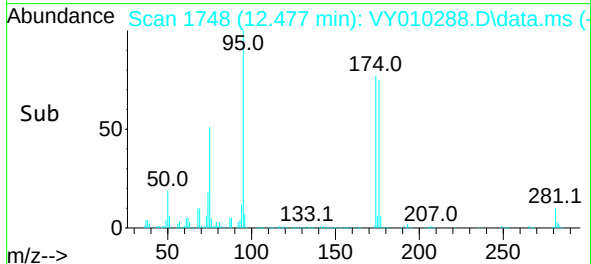
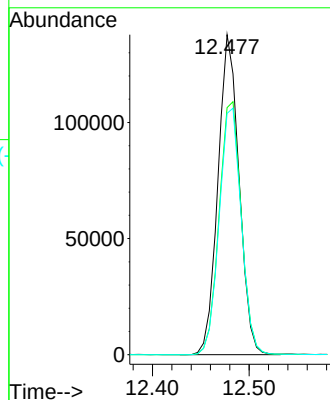
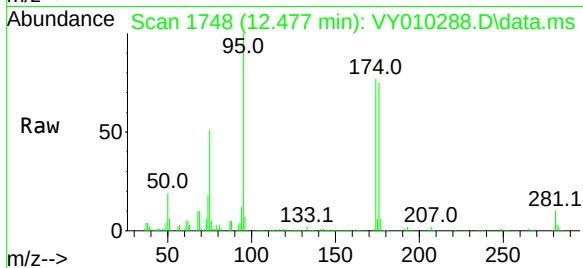




#62
4-Bromofluorobenzene
Concen: 46.778 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

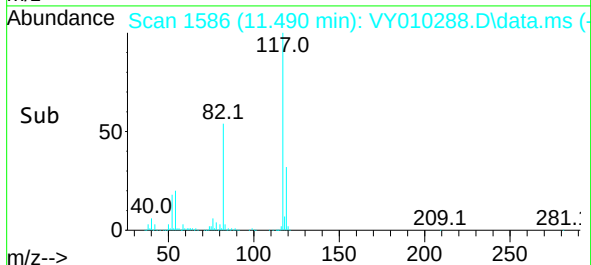
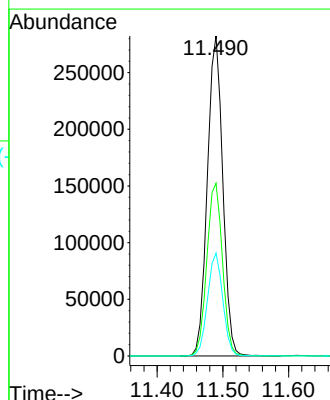
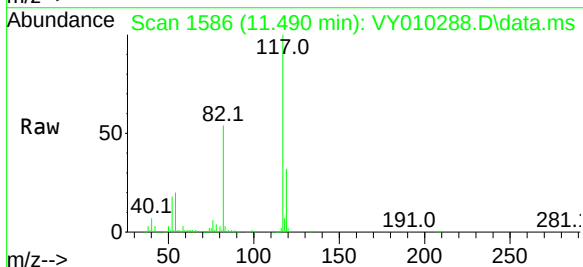
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

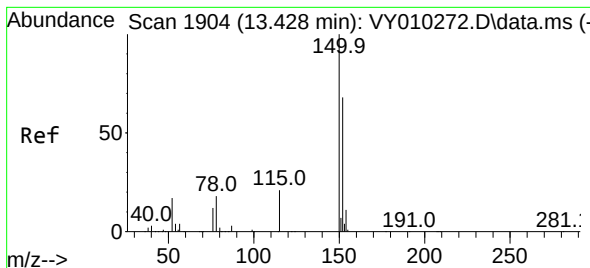
Tgt Ion: 95 Resp: 208103
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 81.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010288.D
Acq: 02 Sep 2022 18:51

Tgt Ion: 117 Resp: 460313
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010288.D

Acq: 02 Sep 2022 18:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

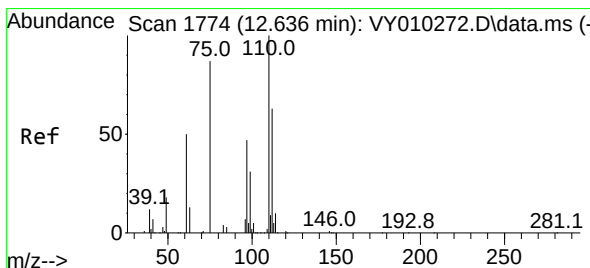
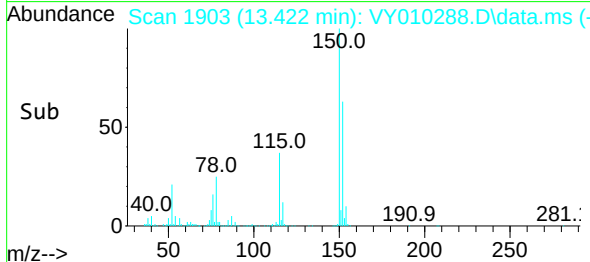
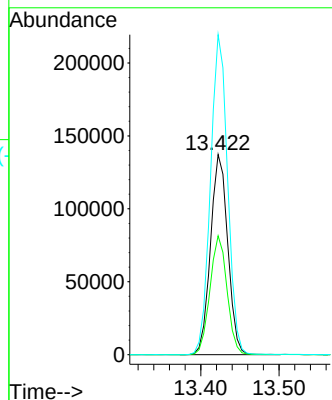
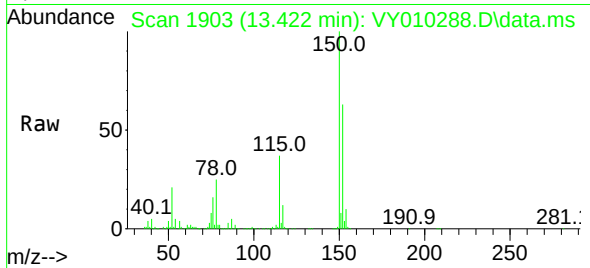
Tgt Ion:152 Resp: 209894

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 158.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 42.989 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY010288.D

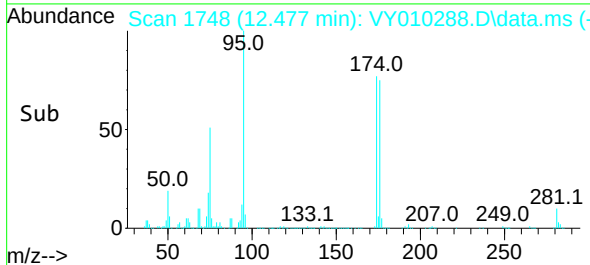
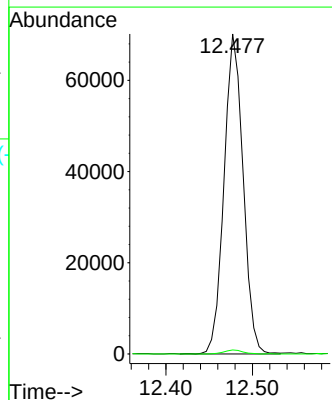
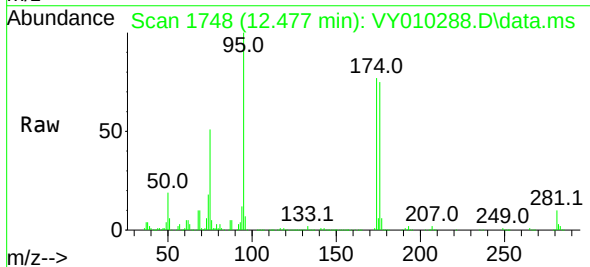
Acq: 02 Sep 2022 18:51

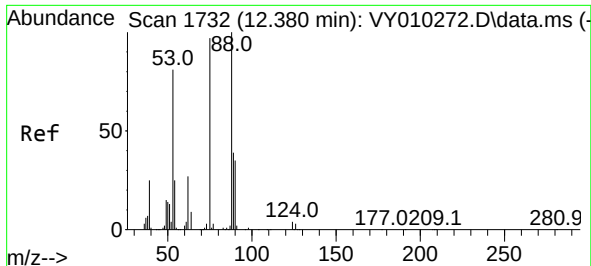
Tgt Ion: 75 Resp: 107380

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 89.681 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY010288.D

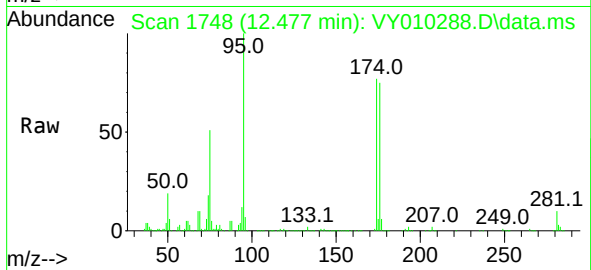
Acq: 02 Sep 2022 18:51

Instrument :

MSVOA_Y

ClientSampleId :

WC-1



Tgt Ion: 75 Resp: 107380

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.2 37.0 55.4#

