

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009100.D
 Acq On : 25 May 2022 19:13
 Operator : KP/MD
 Sample : N3025-04
 Misc : 7.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WEST-SW

Quant Time: May 26 04:32:09 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)

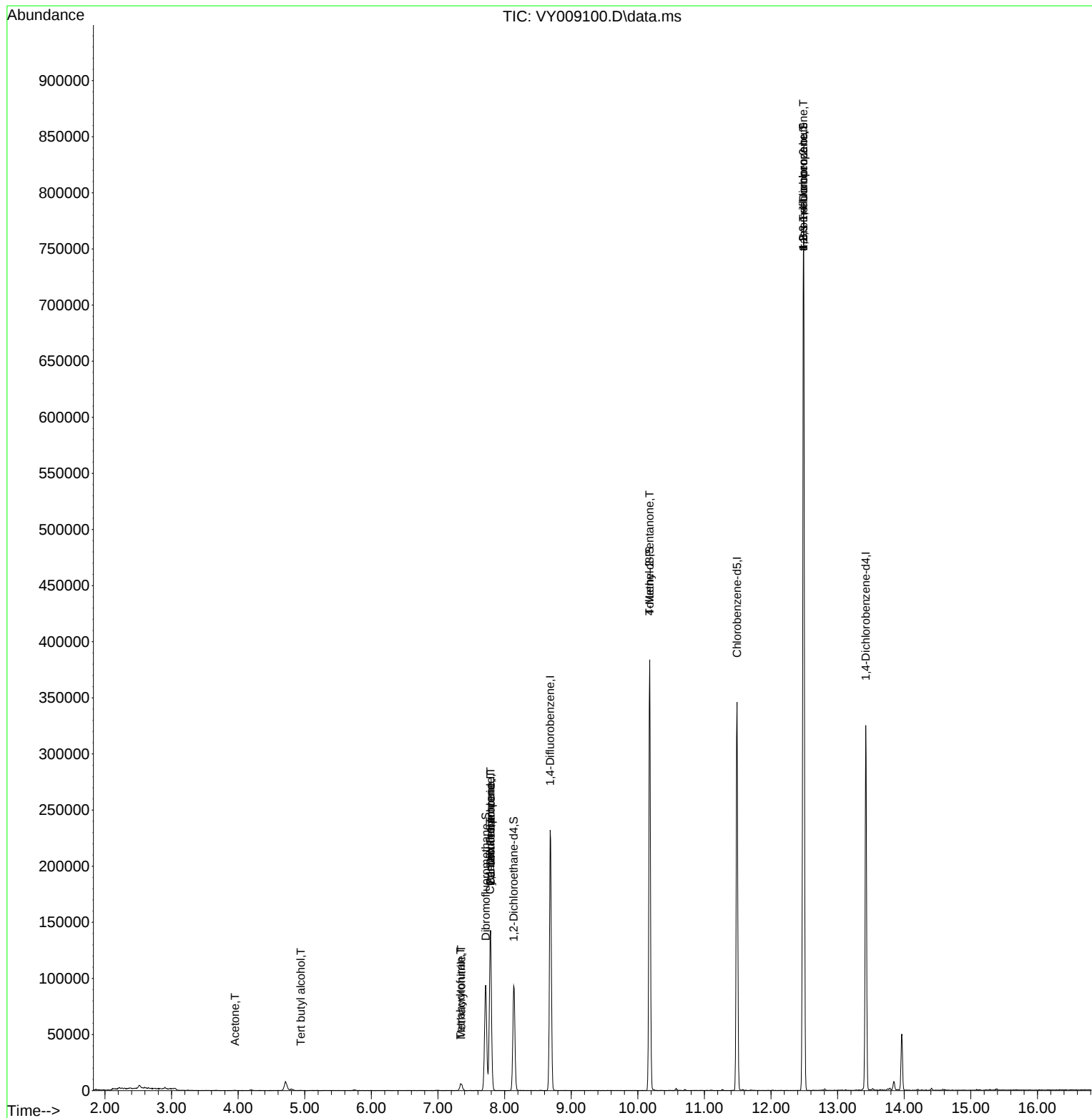
Internal Standards						
1) Pentafluorobenzene	7.789	168	105356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	192950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68902	63.545	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.080%	
35) Dibromofluoromethane	7.716	113	61865	51.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.120%	
50) Toluene-d8	10.179	98	238982	53.990	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.483	95	76137	42.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	323	2.937	ug/l #	77
16) Acetone	3.954	43	248	1.099	ug/l #	47
20) Methylene Chloride	4.704	84	5453	Below Cal	#	80
29) Tetrahydrofuran	7.338	42	4599	16.794	ug/l #	86
31) Cyclohexane	7.783	56	2630	1.240	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	9316	4.562	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10652	4.987	ug/l #	15
41) Methacrylonitrile	7.350	41	2957	5.410	ug/l #	52
51) 4-Methyl-2-Pentanone	10.179	43	1145	1.050	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	48676	59.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48676	122.415	ug/l #	9

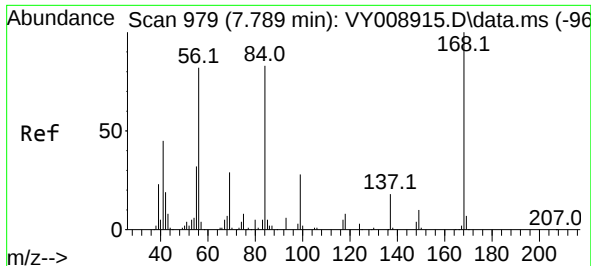
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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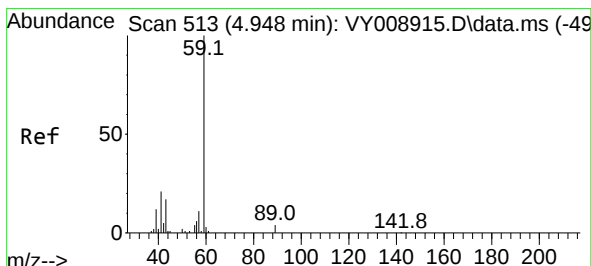
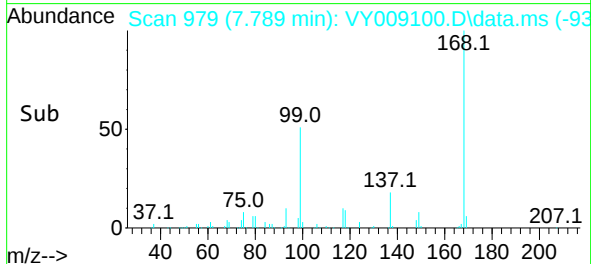
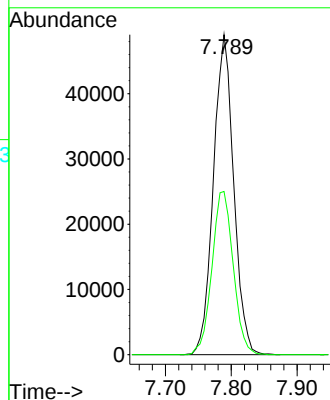
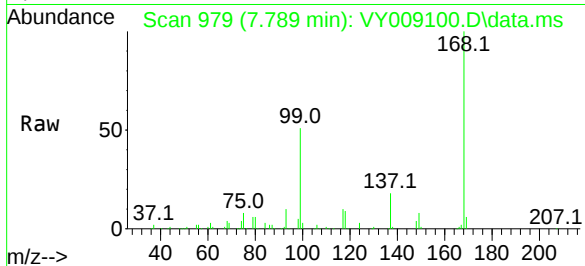




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

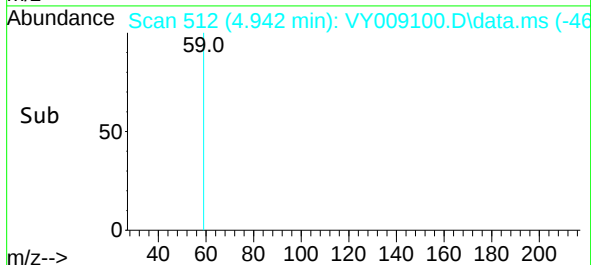
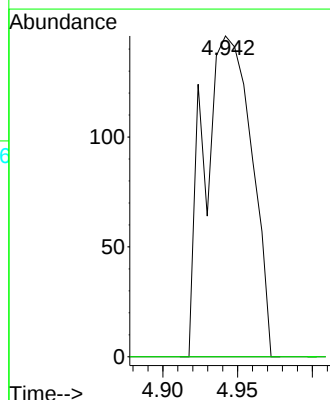
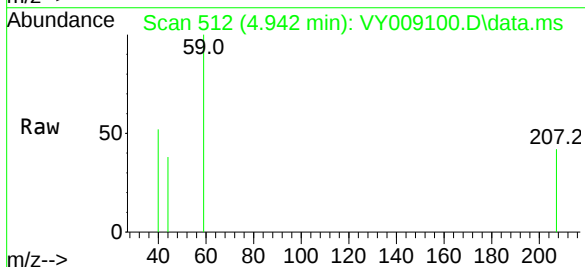
Instrument :
MSVOA_Y
ClientSampleId :
WEST-SW

Tgt Ion:168 Resp: 105356
Ion Ratio Lower Upper
168 100
99 51.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.937 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

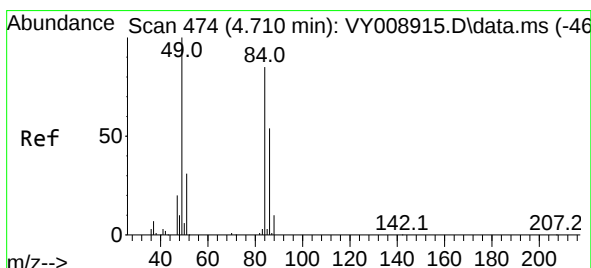
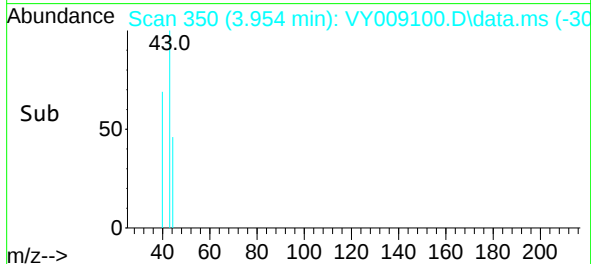
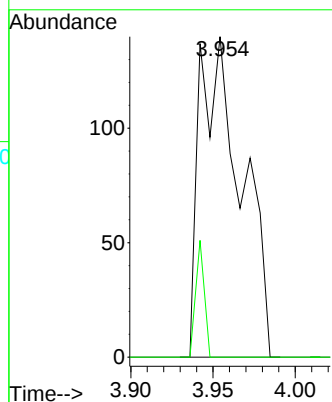
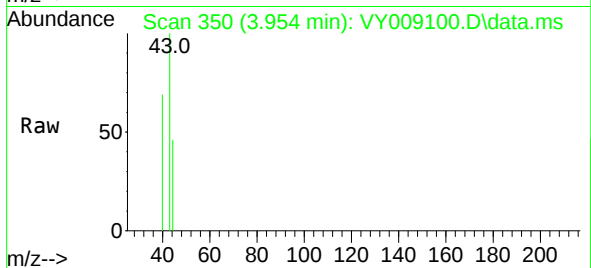




#16
Acetone
Concen: 1.099 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

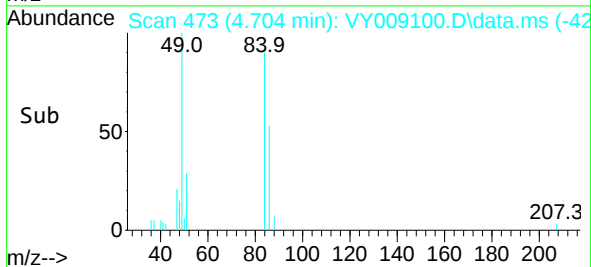
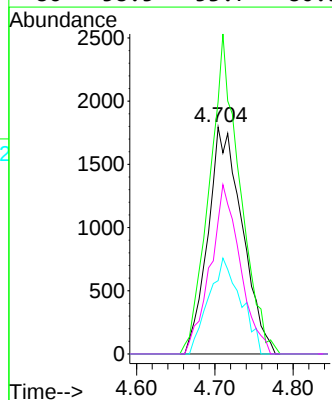
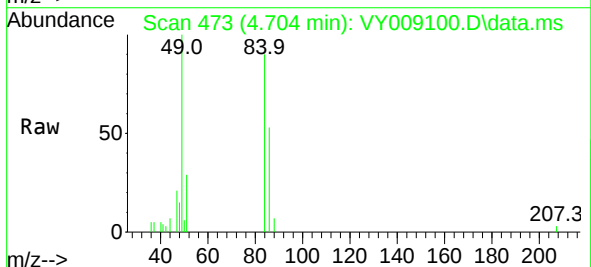
Instrument :
MSVOA_Y
ClientSampleId :
WEST-SW

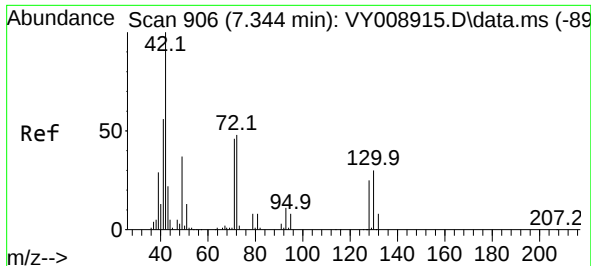
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 84 Resp: 5453
Ion Ratio Lower Upper
84 100
49 111.3 114.4 171.6#
51 32.3 35.3 52.9#
86 58.5 53.7 80.5





#29

Tetrahydrofuran

Concen: 16.794 ug/l

RT: 7.338 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY009100.D

Acq: 25 May 2022 19:13

Instrument :

MSVOA_Y

ClientSampleId :

WEST-SW

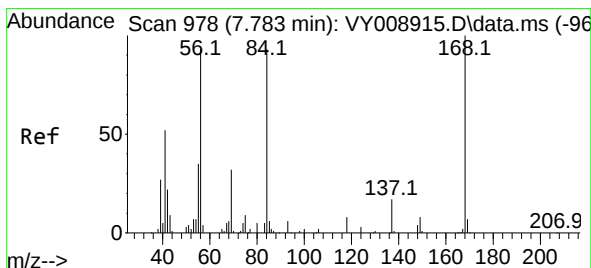
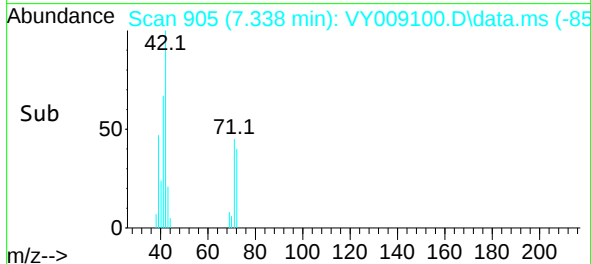
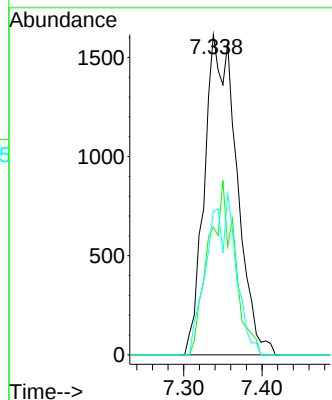
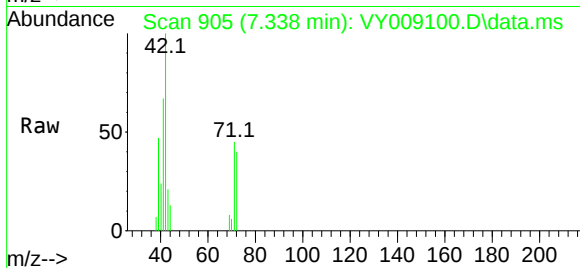
Tgt Ion: 42 Resp: 4599

Ion Ratio Lower Upper

42 100

72 44.2 30.3 45.5

71 26.2 29.0 43.4#



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009100.D

Acq: 25 May 2022 19:13

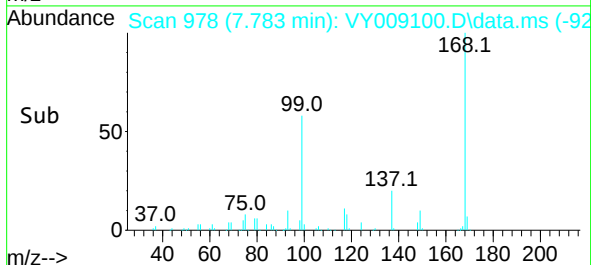
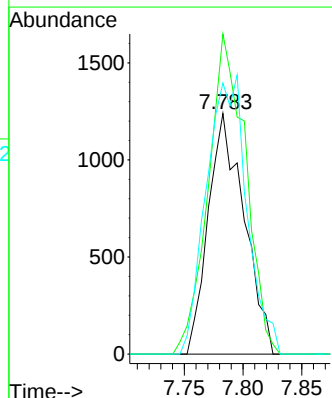
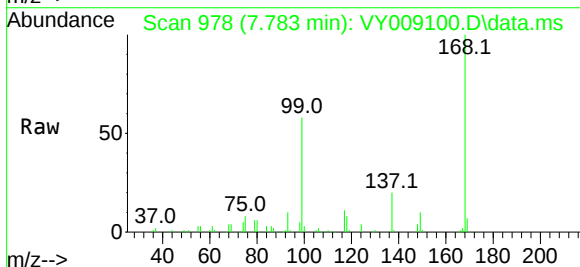
Tgt Ion: 56 Resp: 2630

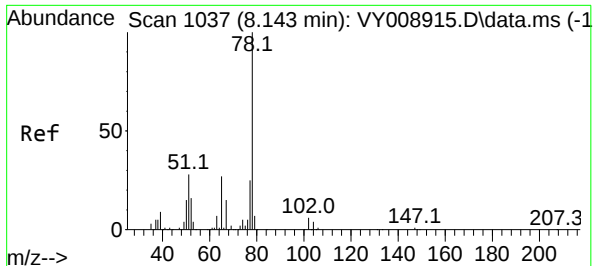
Ion Ratio Lower Upper

56 100

69 133.1 26.7 40.1#

84 112.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.545 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009100.D

Acq: 25 May 2022 19:13

Instrument :

MSVOA_Y

ClientSampleId :

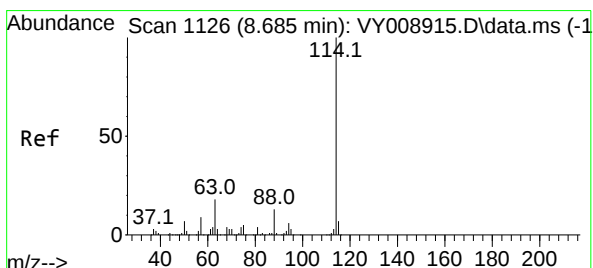
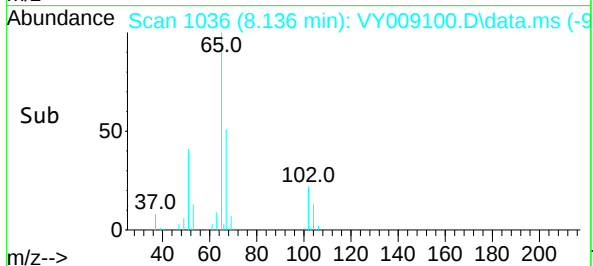
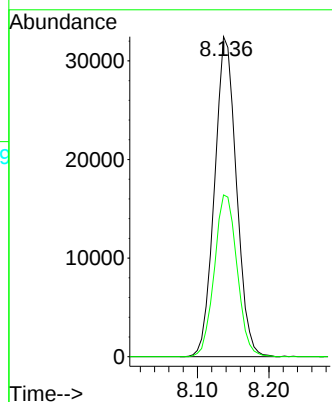
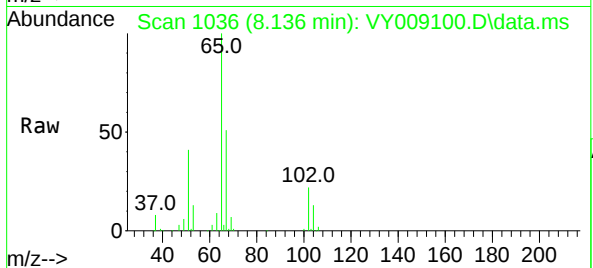
WEST-SW

Tgt Ion: 65 Resp: 68902

Ion Ratio Lower Upper

65 100

67 52.5 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: VY009100.D

Acq: 25 May 2022 19:13

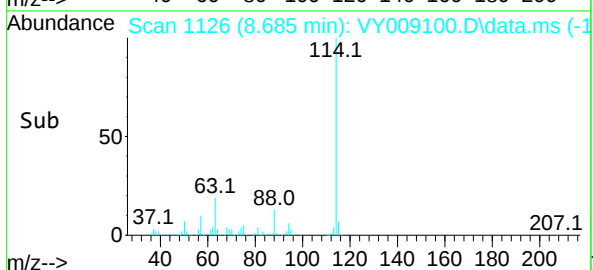
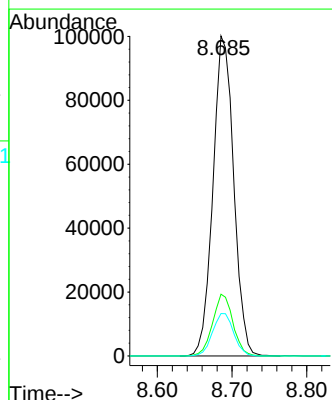
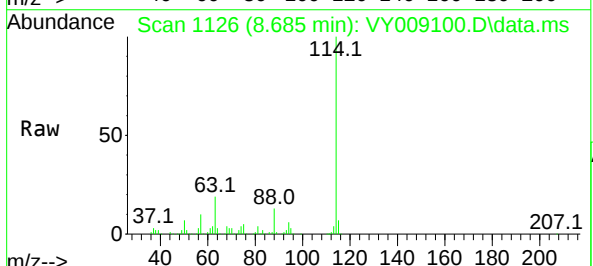
Tgt Ion: 114 Resp: 192950

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 13.2 0.0 31.8

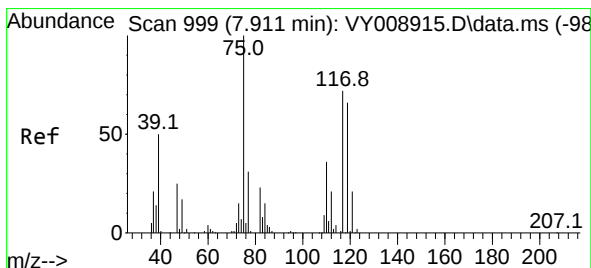
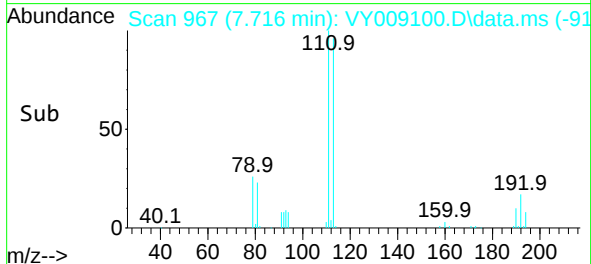
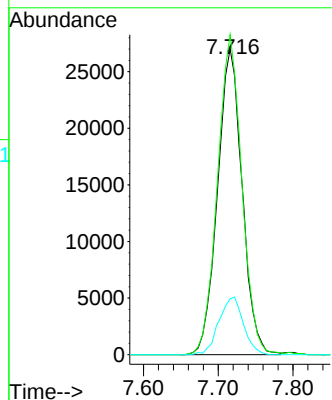
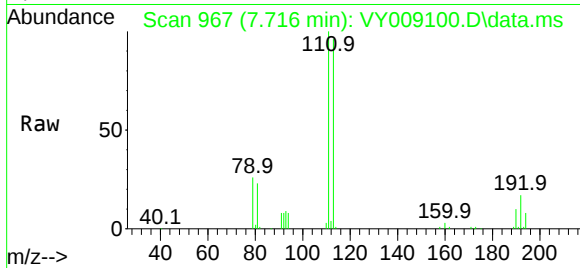




#35
Dibromofluoromethane
Concen: 51.561 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

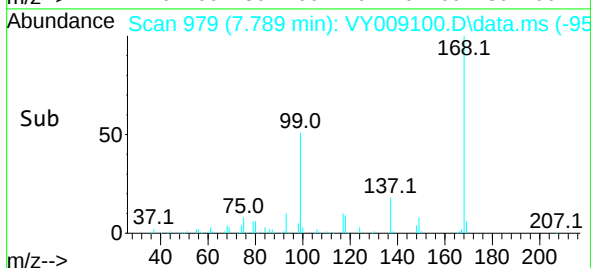
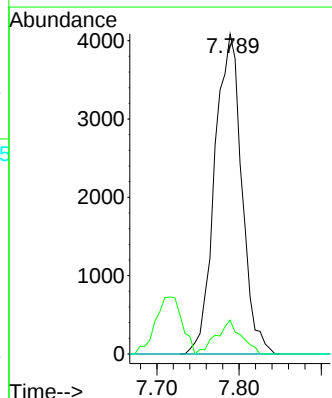
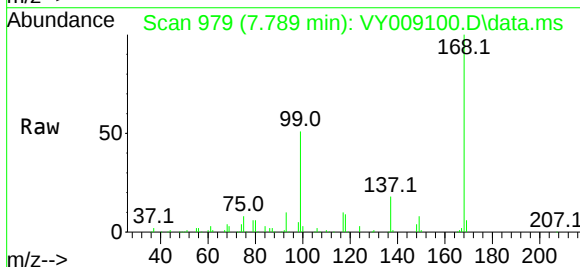
Instrument :
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ClientSampleId :
WEST-SW

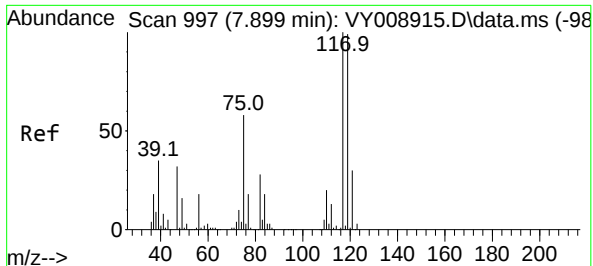
Tgt Ion:113 Resp: 61865
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 75 Resp: 9316
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

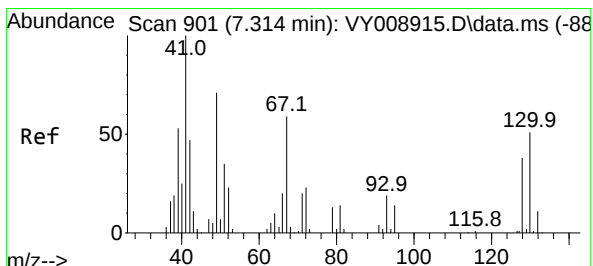
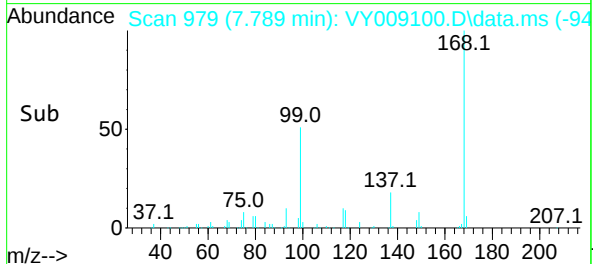
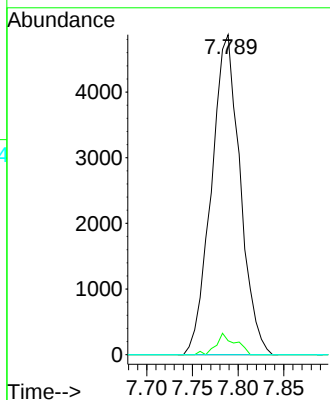
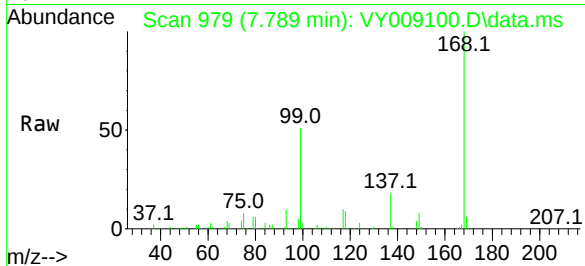




#38
Carbon Tetrachloride
Concen: 4.987 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

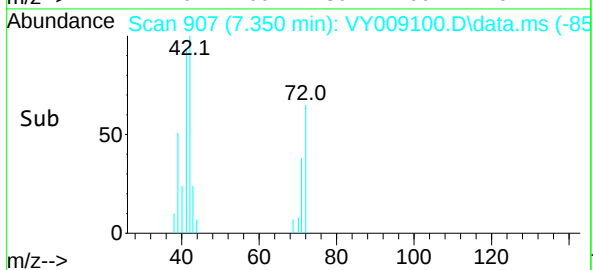
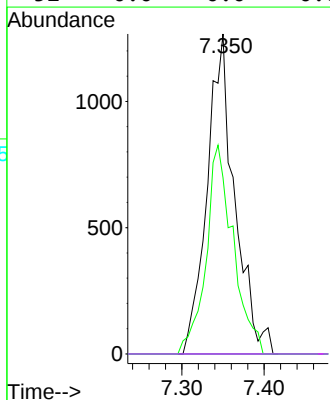
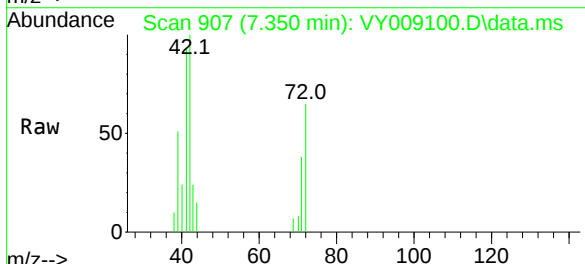
Instrument :
MSVOA_Y
ClientSampleId :
WEST-SW

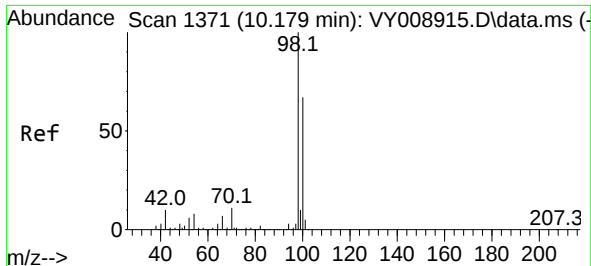
Tgt Ion:117 Resp: 10652
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 5.410 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.036 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 41 Resp: 2957
Ion Ratio Lower Upper
41 100
39 64.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

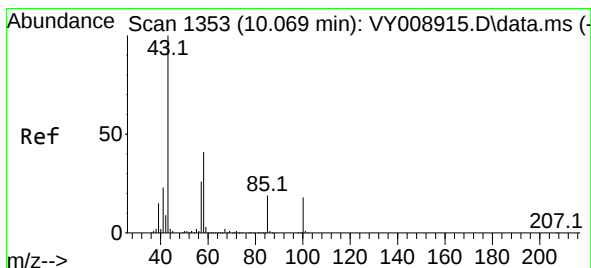
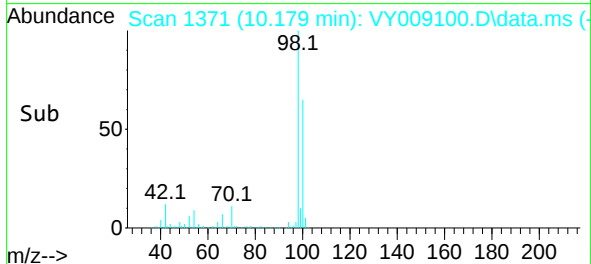
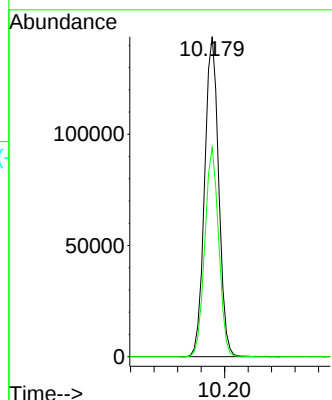
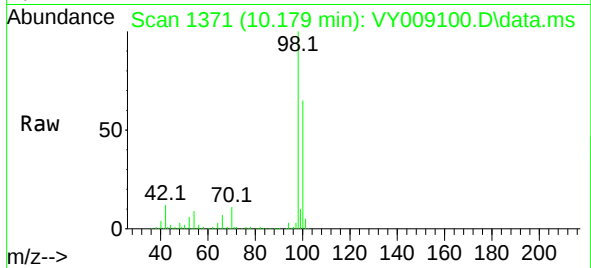




#50
Toluene-d8
Concen: 53.990 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

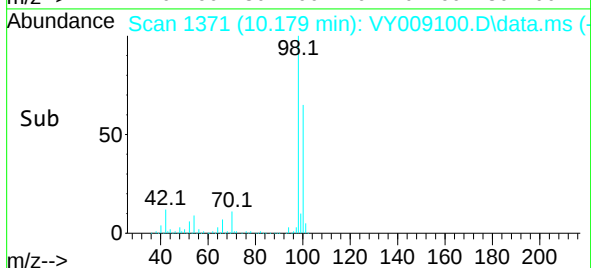
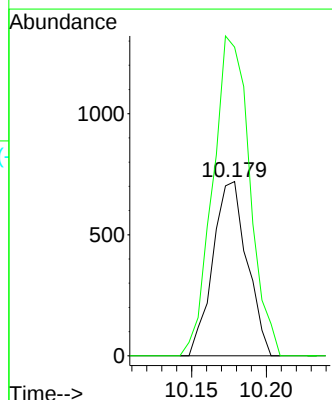
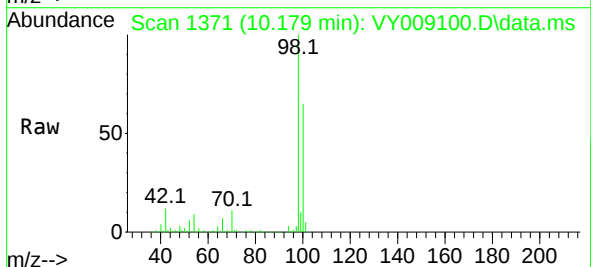
Instrument :
MSVOA_Y
ClientSampleId :
WEST-SW

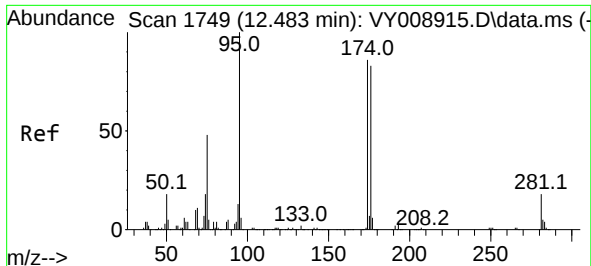
Tgt Ion: 98 Resp: 238982
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 197.9 28.1 42.1#

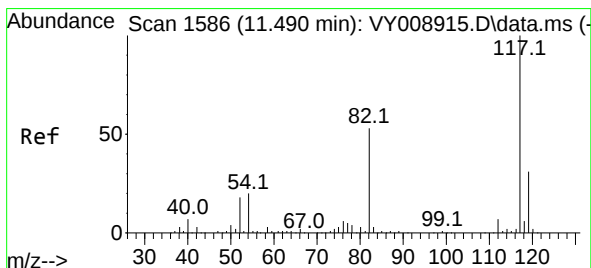
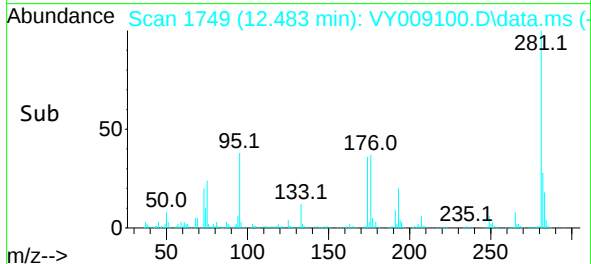
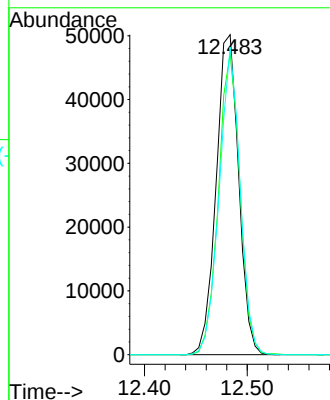
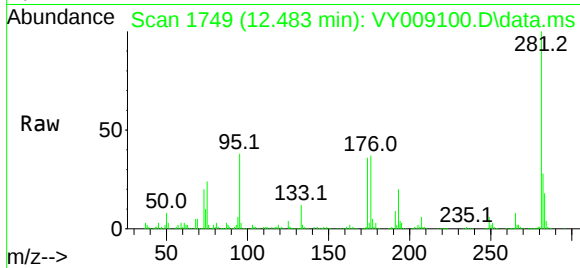




#62
4-Bromofluorobenzene
Concen: 42.640 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

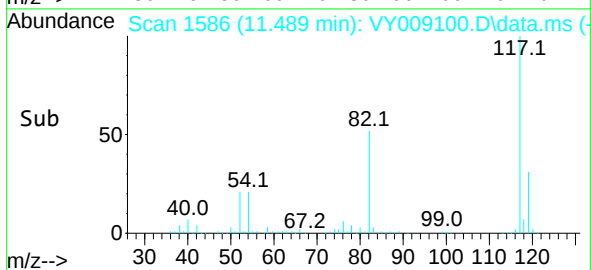
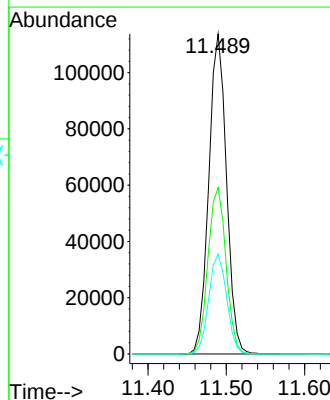
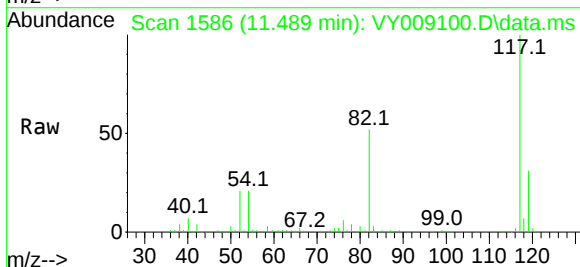
Instrument :
MSVOA_Y
ClientSampleId :
WEST-SW

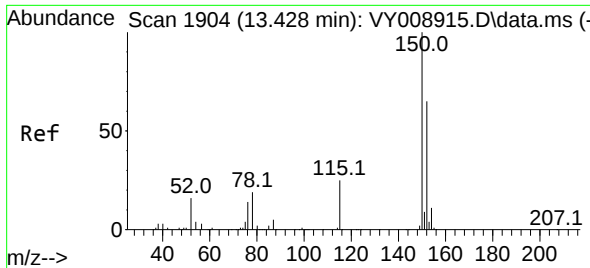
Tgt Ion: 95 Resp: 76137
Ion Ratio Lower Upper
95 100
174 90.2 0.0 177.0
176 89.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009100.D
Acq: 25 May 2022 19:13

Tgt Ion: 117 Resp: 178142
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 31.1 25.4 38.0

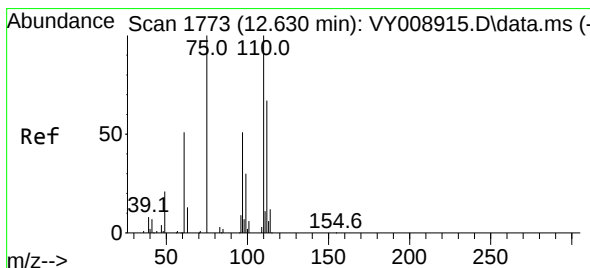
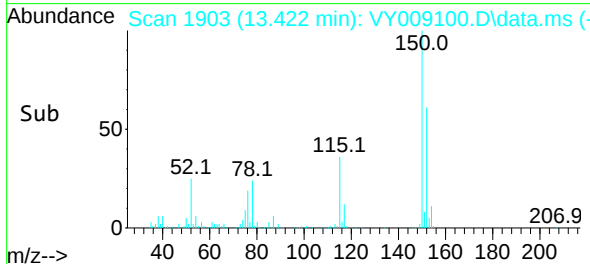
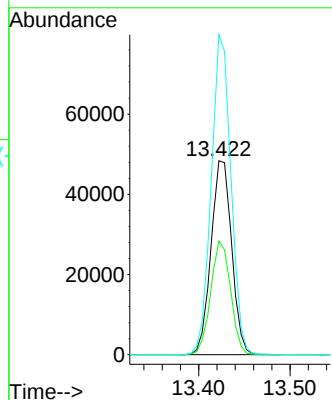
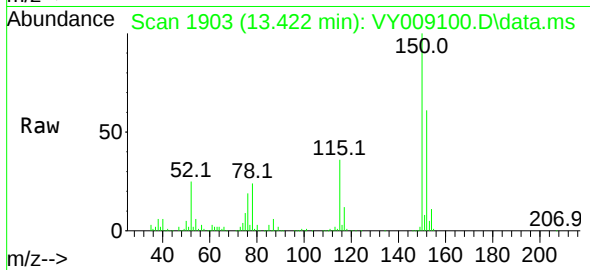




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY009100.D
 Acq: 25 May 2022 19:13

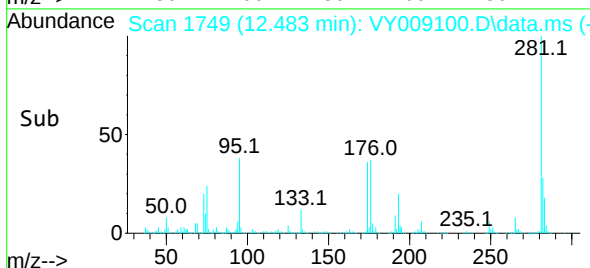
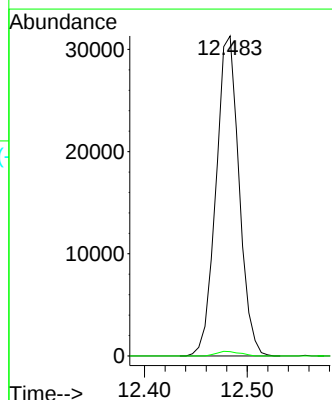
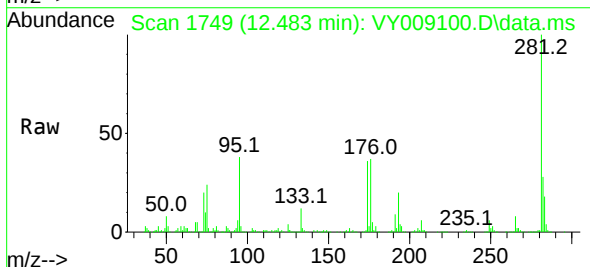
Instrument :
 MSVOA_Y
 ClientSampleId :
 WEST-SW

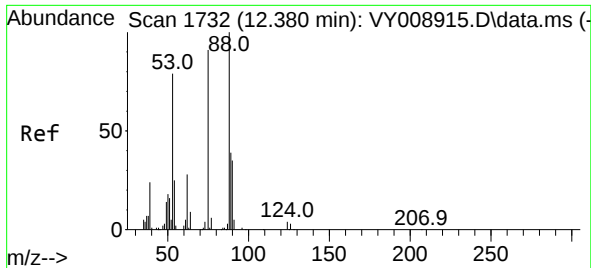
Tgt Ion:152 Resp: 75999
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 59.642 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY009100.D
 Acq: 25 May 2022 19:13

Tgt Ion: 75 Resp: 48676
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.415 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009100.D
 Acq: 25 May 2022 19:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 WEST-SW

Tgt Ion: 75 Resp: 48676
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.8 37.0 55.4#

