

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009099.D
 Acq On : 25 May 2022 18:50
 Operator : KP/MD
 Sample : N3025-03
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EAST-SW

Quant Time: May 26 04:31:56 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)

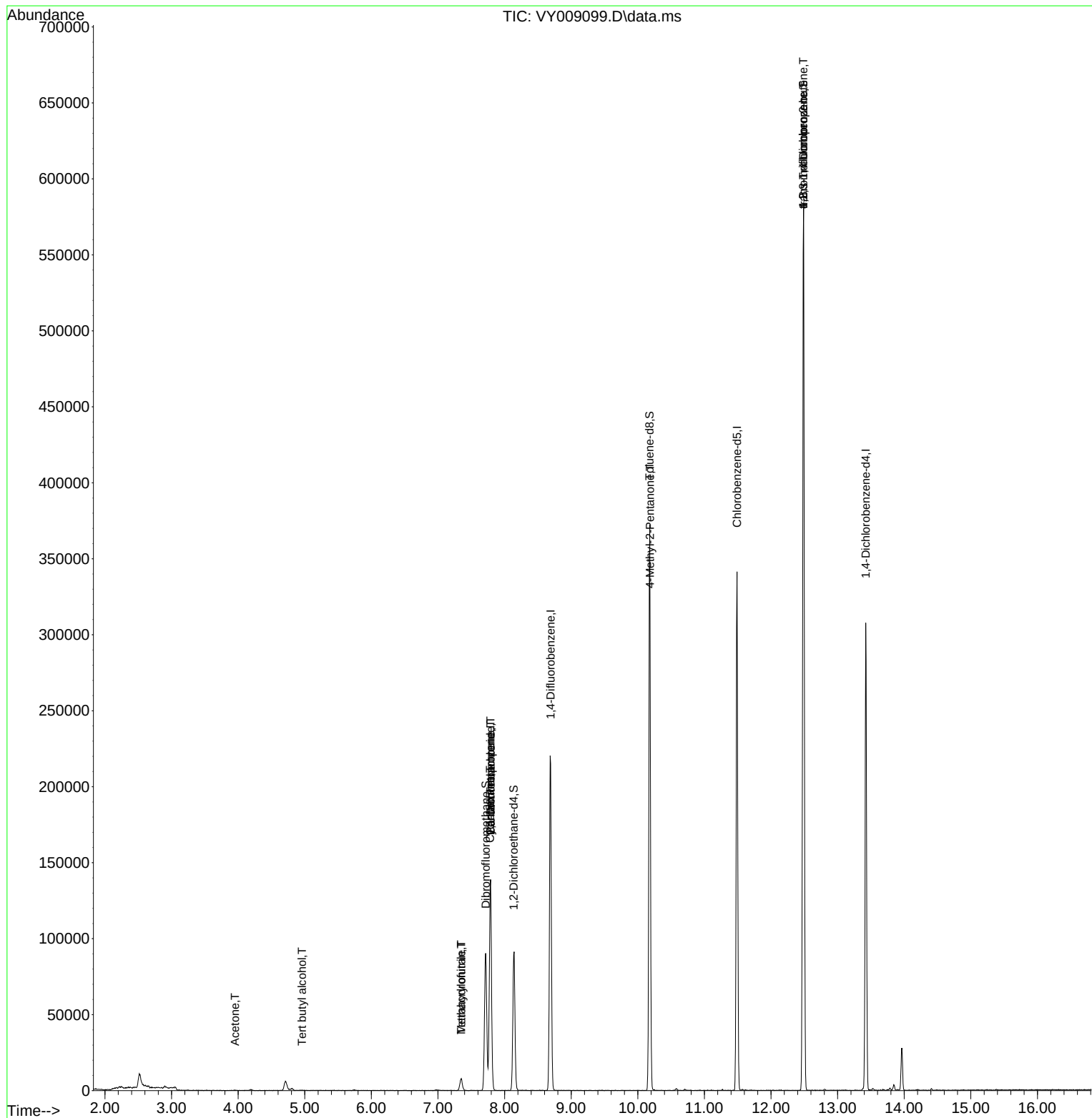
Internal Standards						
1) Pentafluorobenzene	7.789	168	105145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68009	62.847	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.700%	
35) Dibromofluoromethane	7.716	113	60071	52.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.480%	
50) Toluene-d8	10.179	98	231070	54.471	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.940%	
62) 4-Bromofluorobenzene	12.483	95	70432	41.159	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	164	1.494	ug/l #	88
16) Acetone	3.954	43	259	1.150	ug/l #	47
20) Methylene Chloride	4.716	84	4359	Below Cal		83
29) Tetrahydrofuran	7.350	42	5679	20.780	ug/l #	88
31) Cyclohexane	7.783	56	2550	1.205	ug/l #	39
36) 1,1-Dichloropropene	7.789	75	8695	4.443	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10456	5.108	ug/l #	16
41) Methacrylonitrile	7.350	41	3784	7.224	ug/l #	46
51) 4-Methyl-2-Pentanone	10.185	43	1089	1.043	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	43984	57.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43984	118.375	ug/l #	8

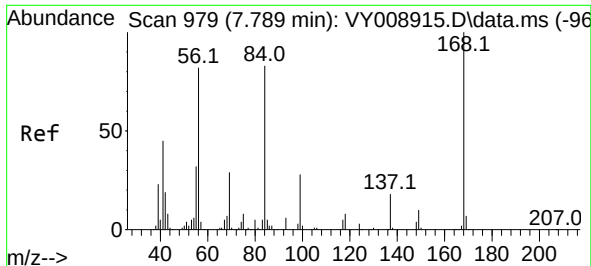
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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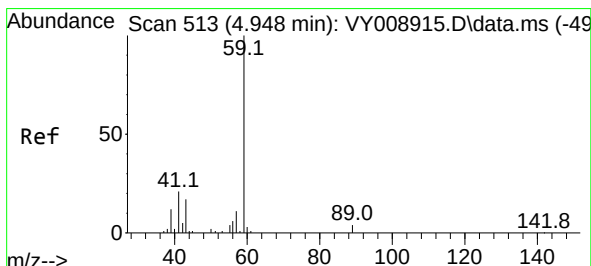
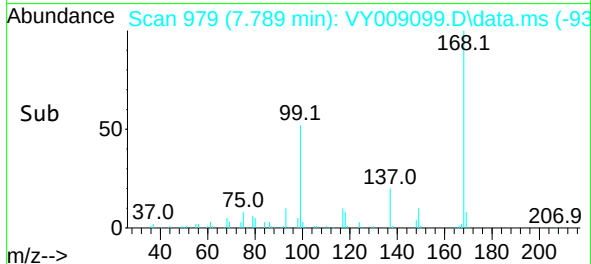
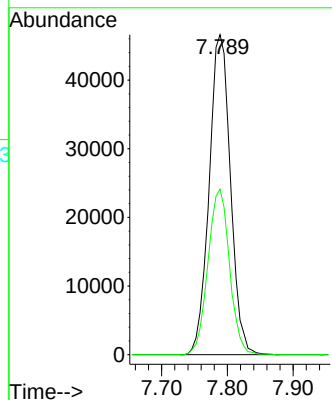
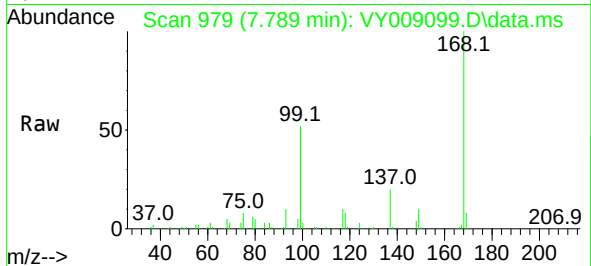




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

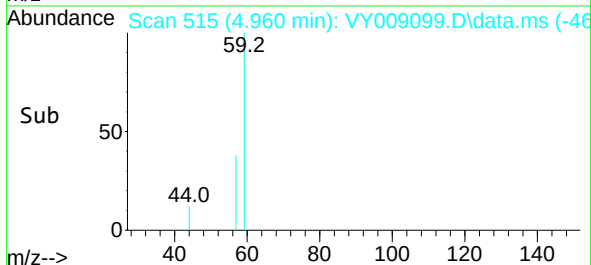
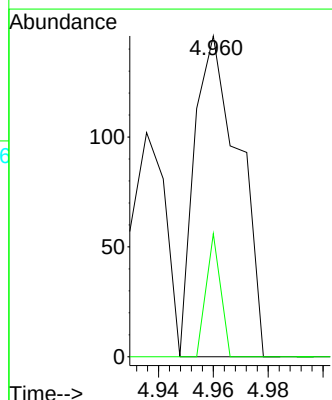
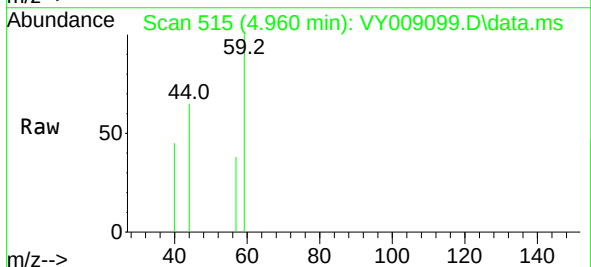
Instrument :
MSVOA_Y
ClientSampleId :
EAST-SW

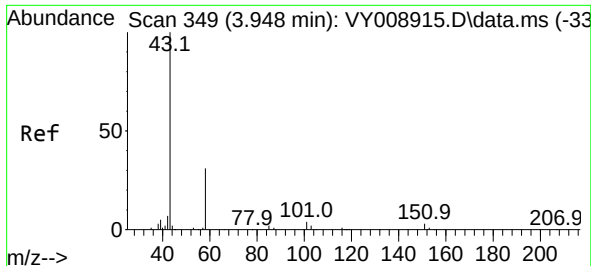
Tgt Ion:168 Resp: 105145
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.494 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 12.2 6.4 9.6#





#16

Acetone

Concen: 1.150 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

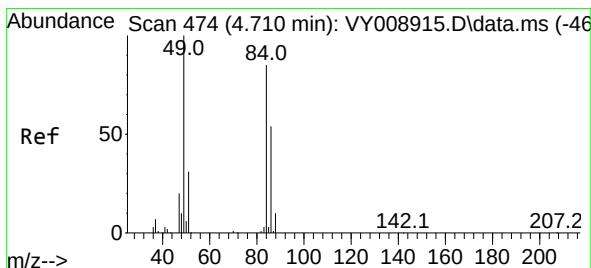
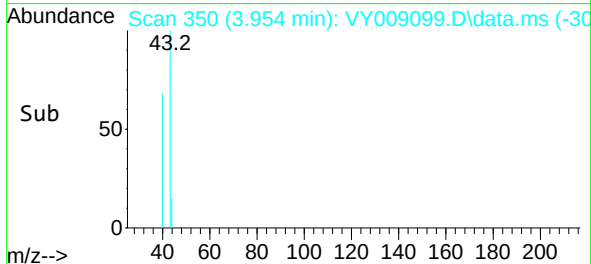
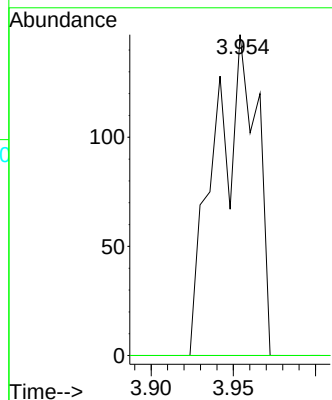
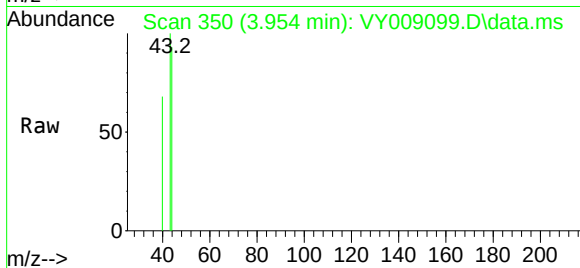
EAST-SW

Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

Tgt Ion: 84 Resp: 4359

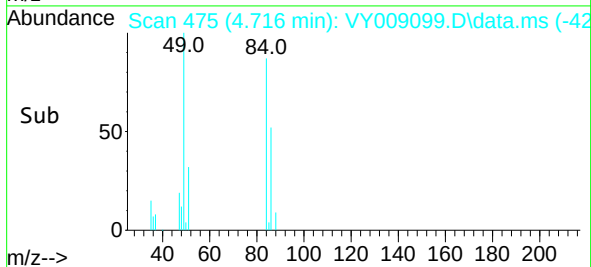
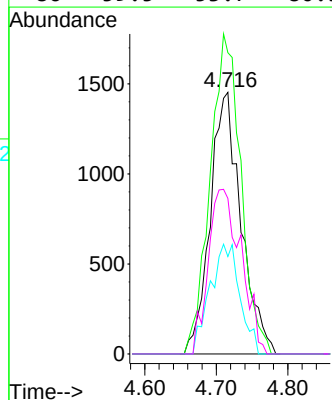
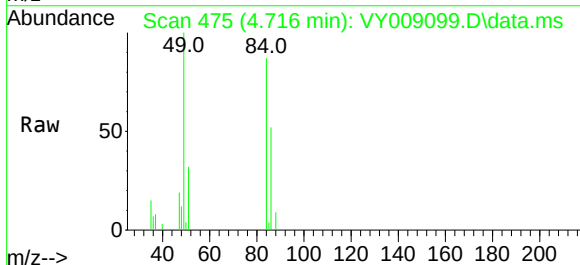
Ion Ratio Lower Upper

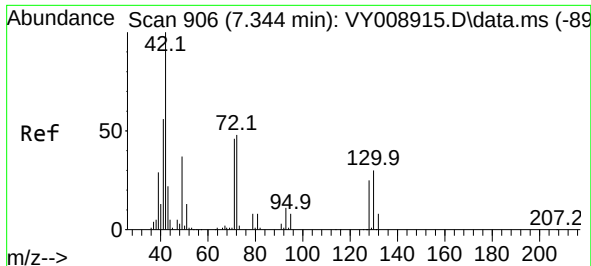
84 100

49 115.1 114.4 171.6

51 37.2 35.3 52.9

86 59.5 53.7 80.5





#29

Tetrahydrofuran

Concen: 20.780 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

EAST-SW

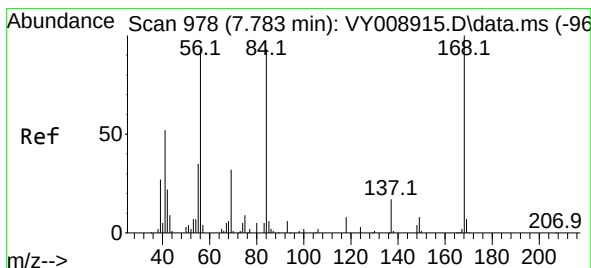
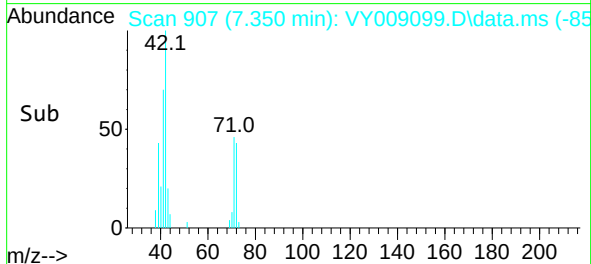
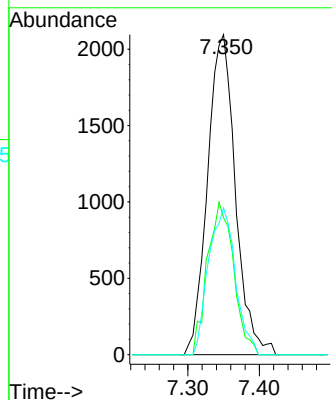
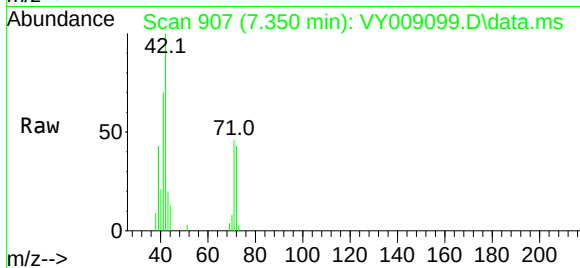
Tgt Ion: 42 Resp: 5679

Ion Ratio Lower Upper

42 100

72 44.5 30.3 45.5

71 44.1 29.0 43.4#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

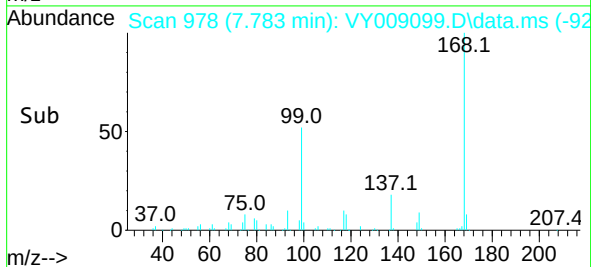
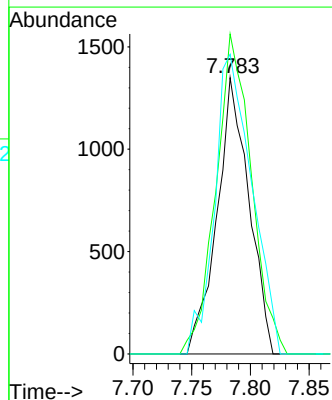
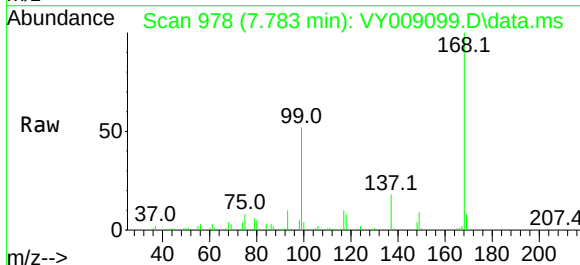
Tgt Ion: 56 Resp: 2550

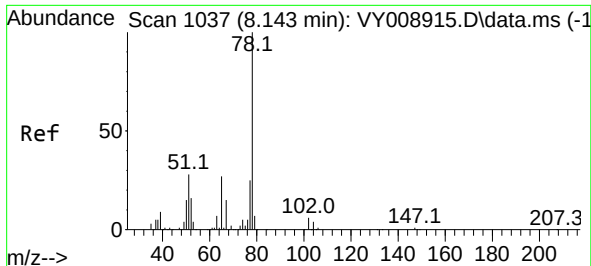
Ion Ratio Lower Upper

56 100

69 115.8 26.7 40.1#

84 108.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.847 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY009099.D

Acq: 25 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

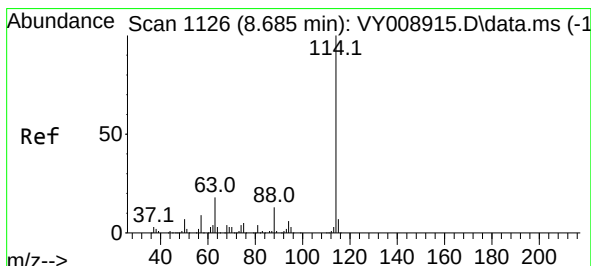
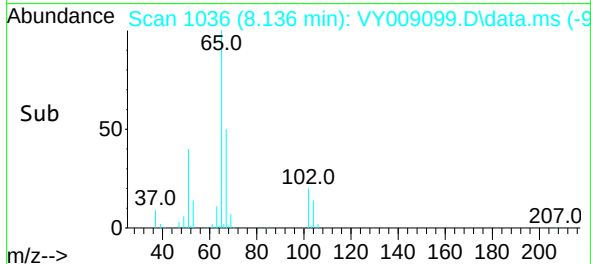
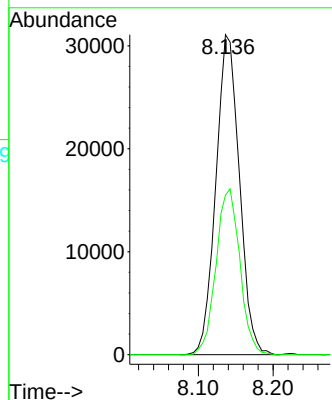
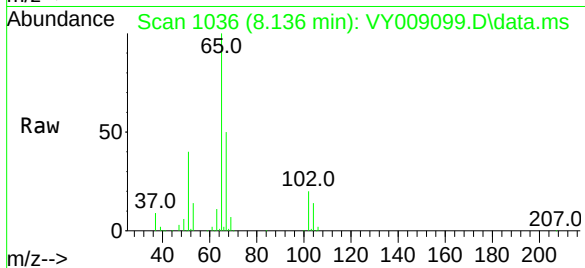
EAST-SW

Tgt Ion: 65 Resp: 68009

Ion Ratio Lower Upper

65 100

67 52.4 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: VY009099.D

Acq: 25 May 2022 18:50

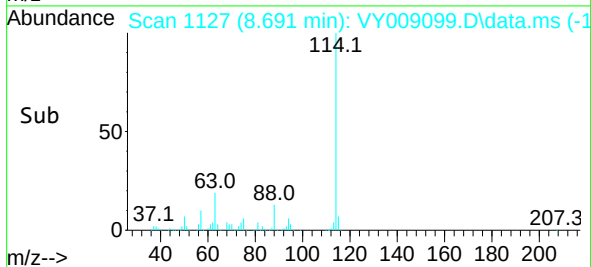
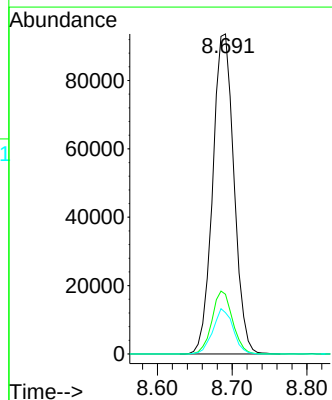
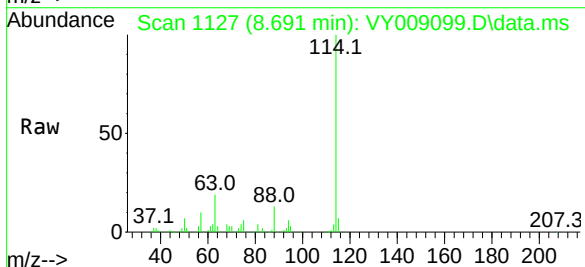
Tgt Ion: 114 Resp: 184916

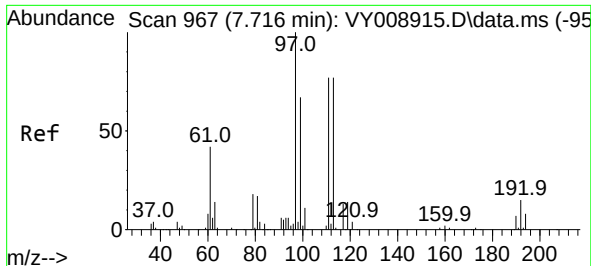
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 12.9 0.0 31.8

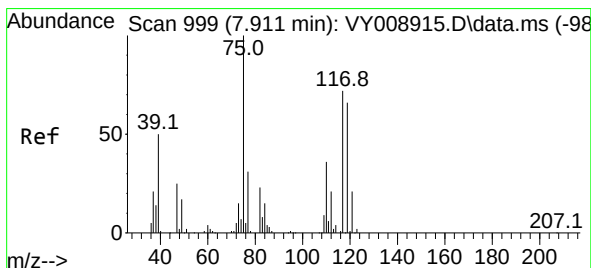
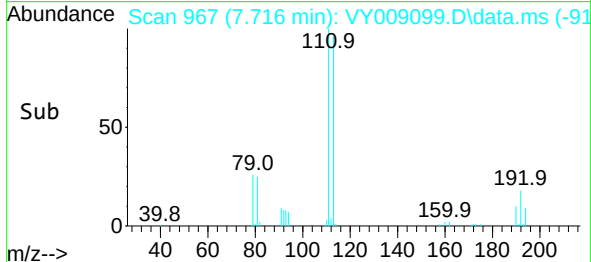
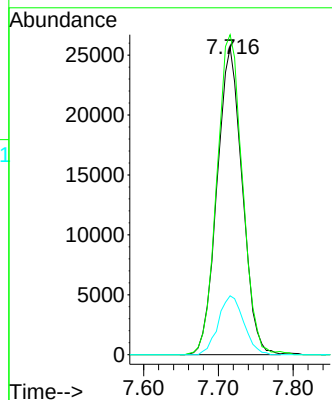
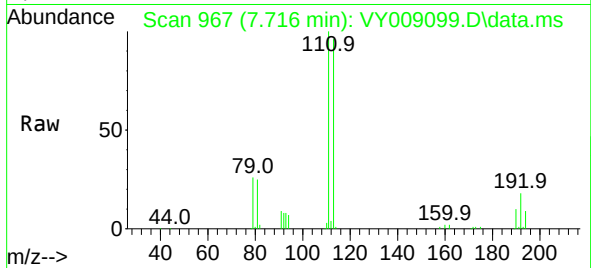




#35
Dibromofluoromethane
Concen: 52.241 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

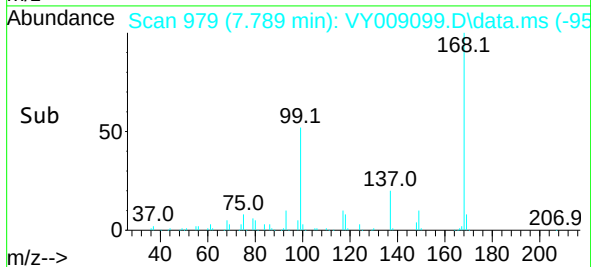
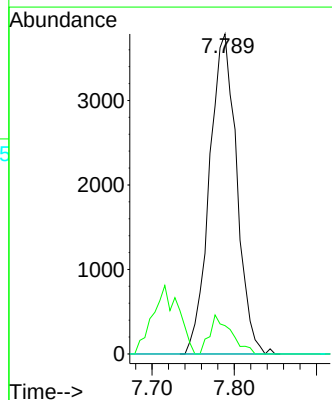
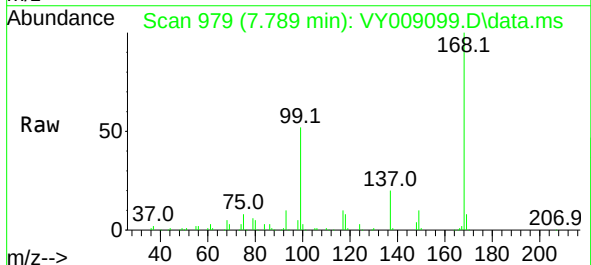
Instrument :
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EAST-SW

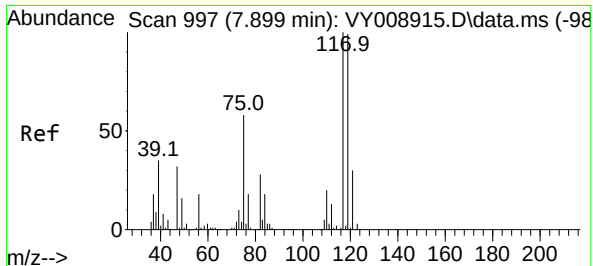
Tgt Ion:113 Resp: 60071
Ion Ratio Lower Upper
113 100
111 105.6 82.6 124.0
192 19.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.443 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 75 Resp: 8695
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

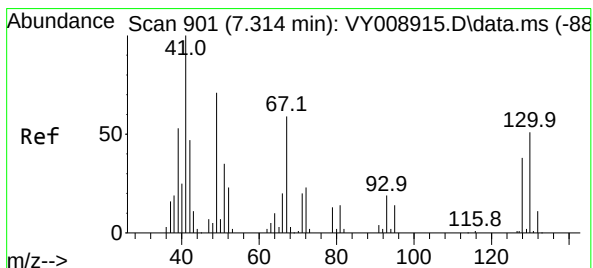
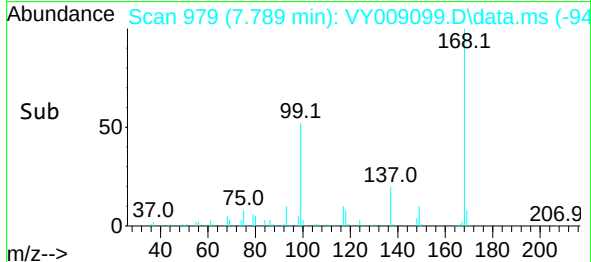
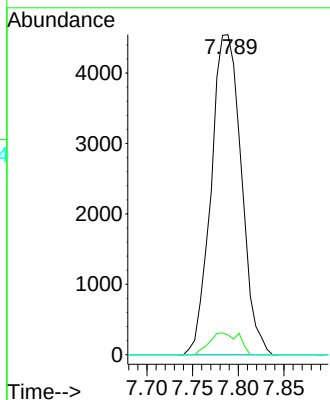
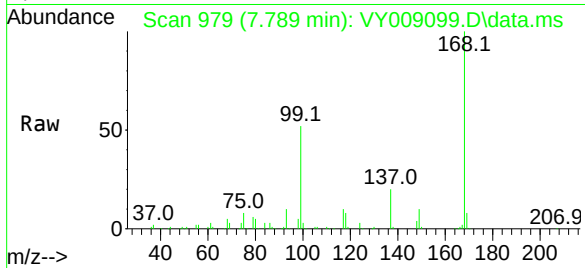




#38
Carbon Tetrachloride
Concen: 5.108 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

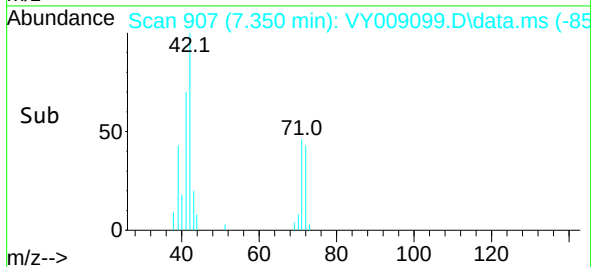
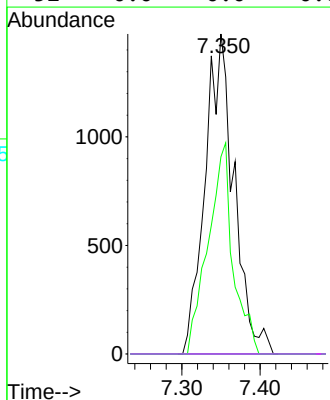
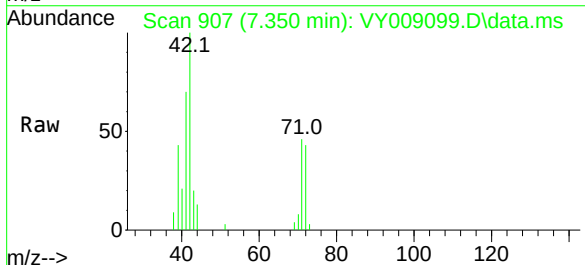
Instrument :
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ClientSampleId :
EAST-SW

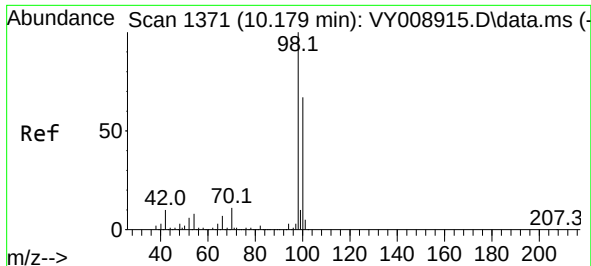
Tgt Ion: 117 Resp: 10456
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 7.224 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.036 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 41 Resp: 3784
Ion Ratio Lower Upper
41 100
39 56.9 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

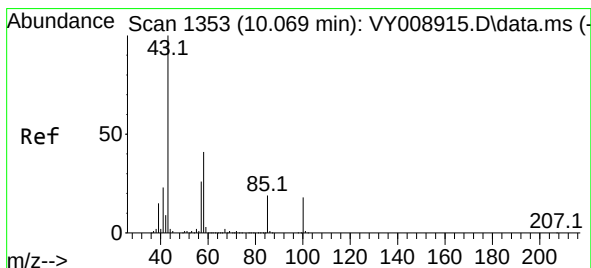
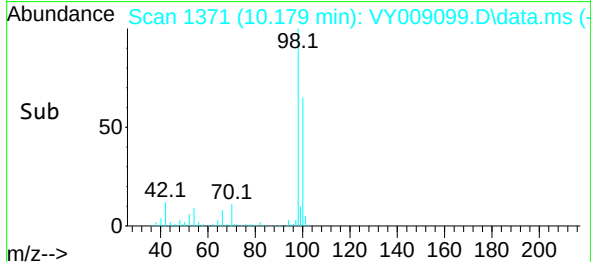
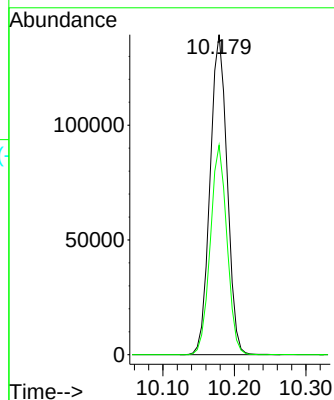
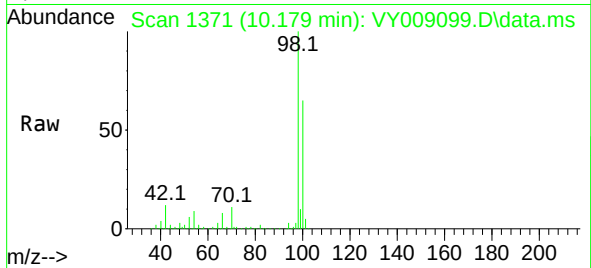




#50
Toluene-d8
Concen: 54.471 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

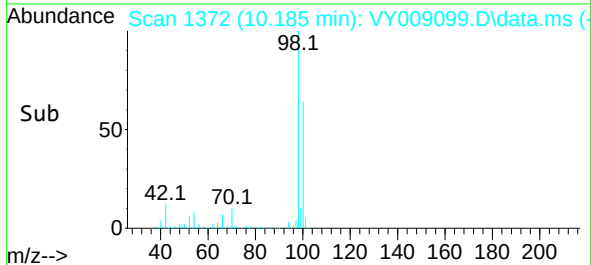
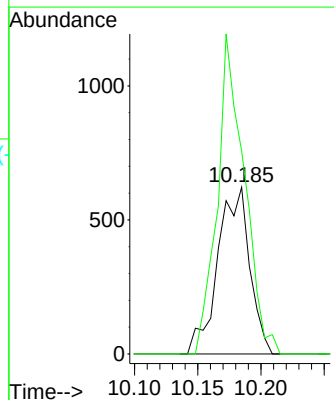
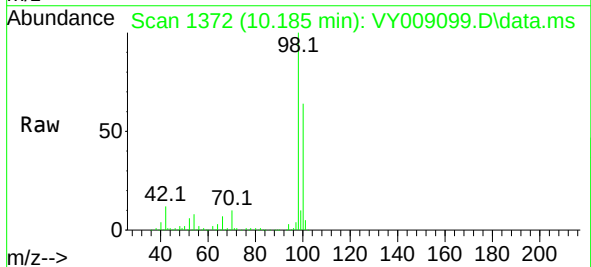
Instrument :
MSVOA_Y
ClientSampleId :
EAST-SW

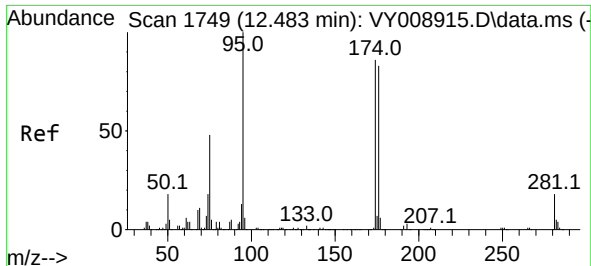
Tgt Ion: 98 Resp: 231070
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 162.9 28.1 42.1#

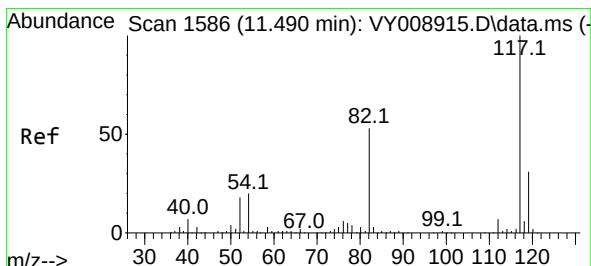
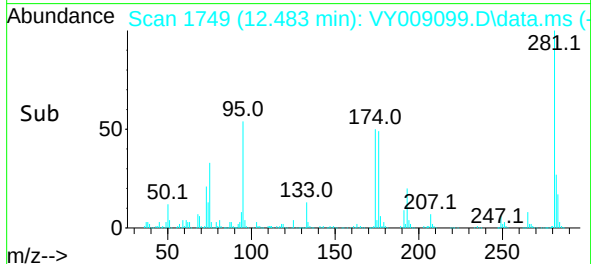
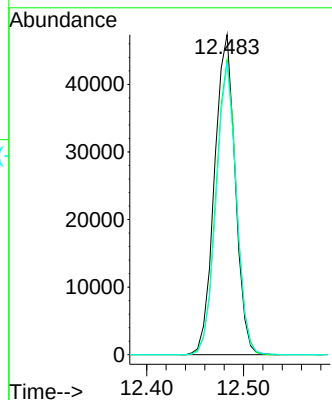
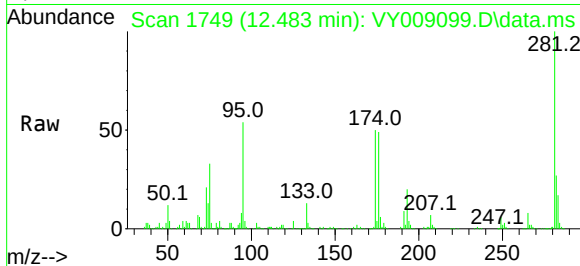




#62
4-Bromofluorobenzene
Concen: 41.159 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

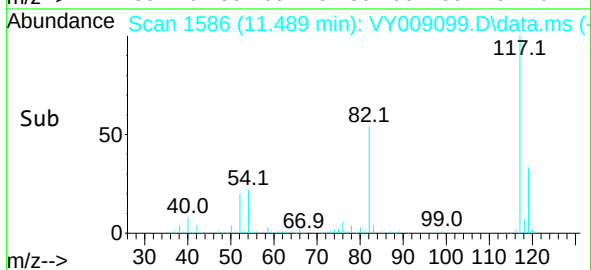
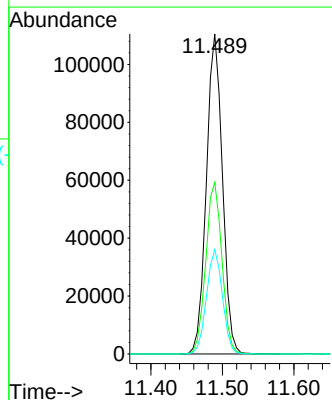
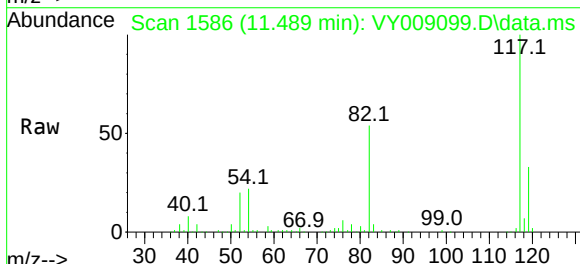
Instrument :
MSVOA_Y
ClientSampleId :
EAST-SW

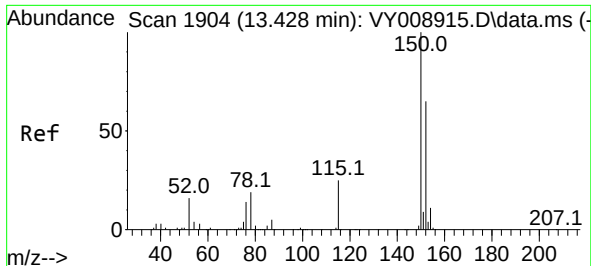
Tgt Ion: 95 Resp: 70432
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 88.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 117 Resp: 172048
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.6 25.4 38.0

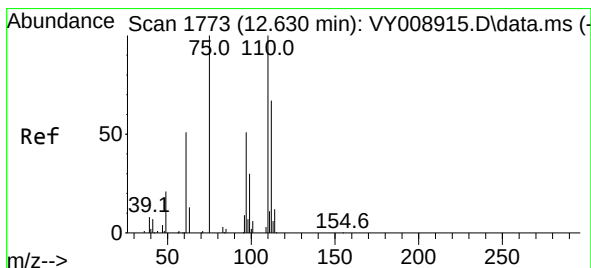
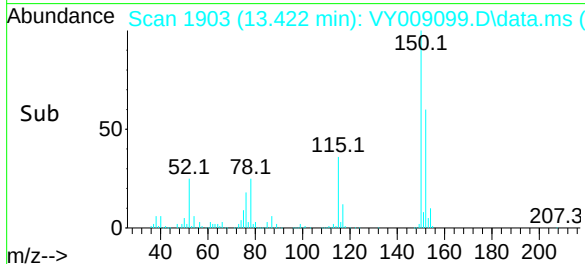
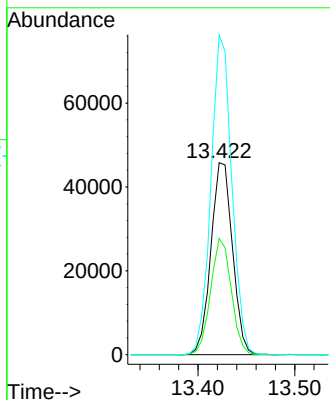
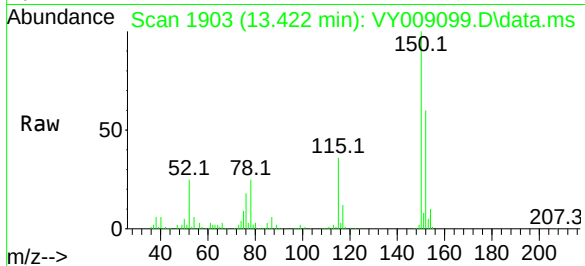




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

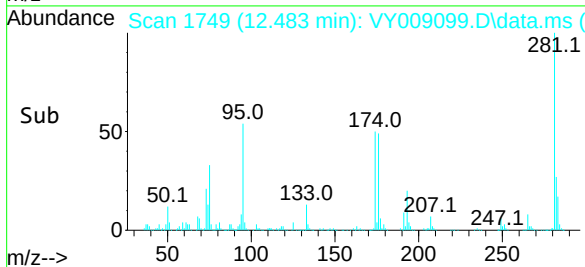
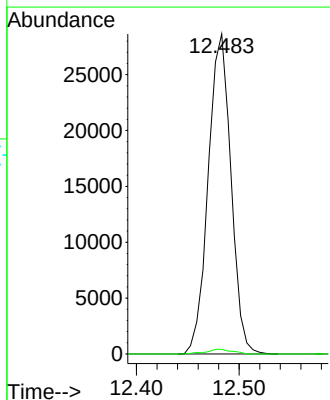
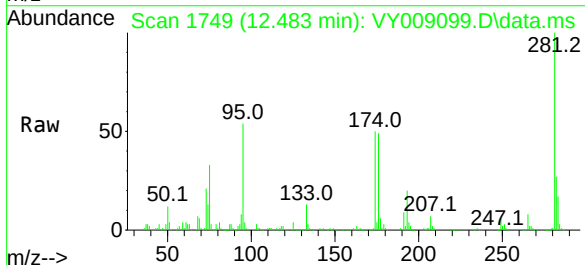
Instrument :
MSVOA_Y
ClientSampleId :
EAST-SW

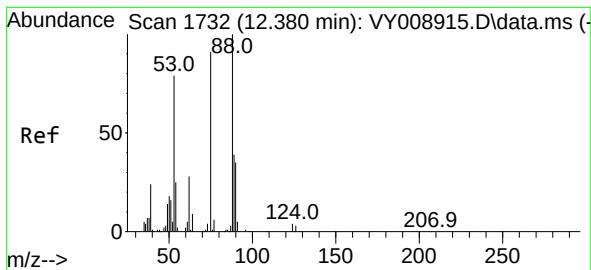
Tgt Ion:152 Resp: 71017
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 160.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 57.674 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009099.D
Acq: 25 May 2022 18:50

Tgt Ion: 75 Resp: 43984
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.375 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009099.D
 Acq: 25 May 2022 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 EAST-SW

Tgt Ion: 75 Resp: 43984
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.4 37.0 55.4#

