

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009098.D
 Acq On : 25 May 2022 18:27
 Operator : KP/MD
 Sample : N3025-02
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-SW

Quant Time: May 26 04:31:43 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)

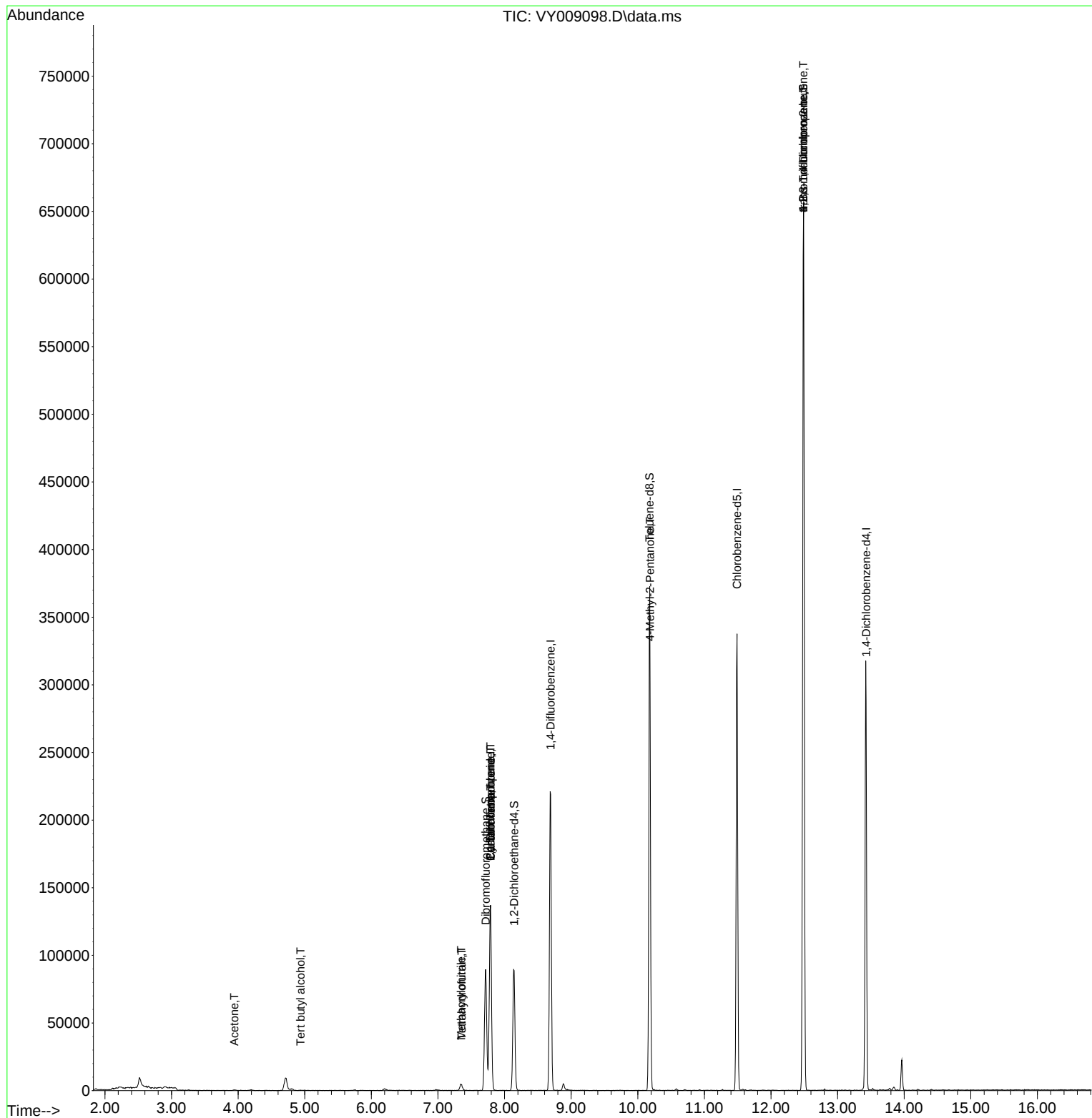
Internal Standards						
1) Pentafluorobenzene	7.789	168	103191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	173721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67699	63.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.500%	
35) Dibromofluoromethane	7.716	113	59558	51.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.179	98	231258	54.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.780%	
62) 4-Bromofluorobenzene	12.483	95	73593	42.910	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	156	1.448	ug/l #	77
16) Acetone	3.942	43	930	4.207	ug/l	100
20) Methylene Chloride	4.704	84	6860	Below Cal	#	82
29) Tetrahydrofuran	7.356	42	3362	12.535	ug/l	90
31) Cyclohexane	7.789	56	2625	1.263	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	9046	4.612	ug/l #	46
38) Carbon Tetrachloride	7.789	117	10234	4.988	ug/l #	16
41) Methacrylonitrile	7.350	41	2290	4.362	ug/l #	51
51) 4-Methyl-2-Pentanone	10.185	43	1277	1.220	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	46137	57.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46137	118.125	ug/l #	8

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

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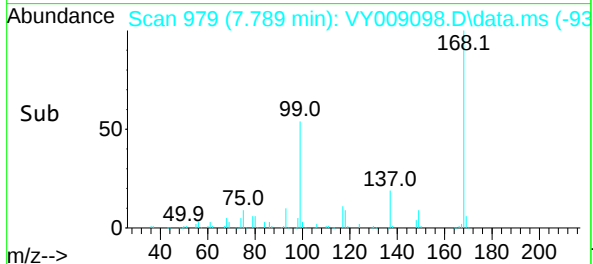
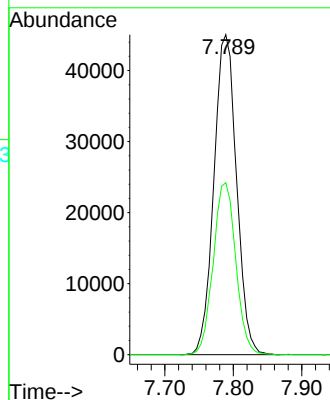
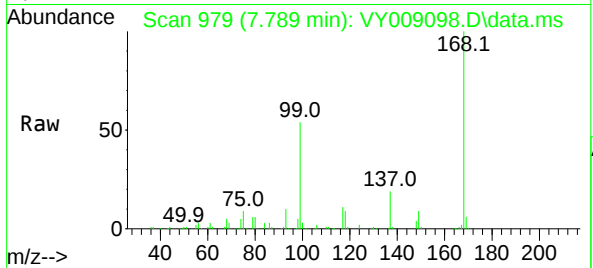




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

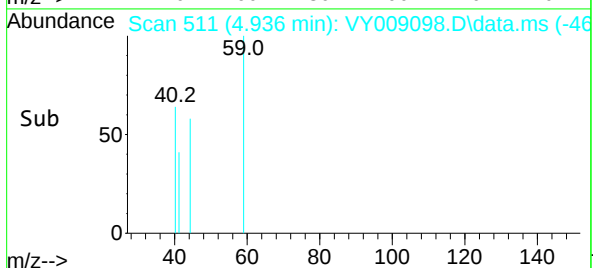
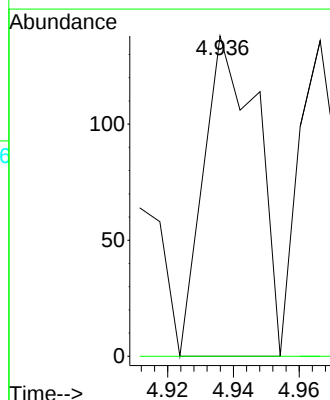
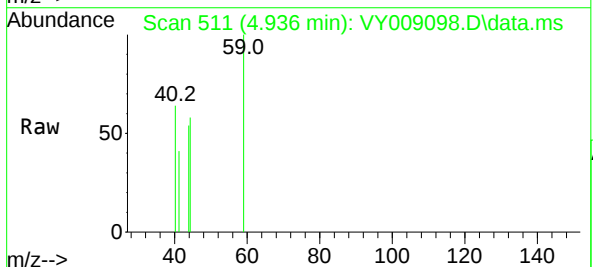
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

Tgt Ion:168 Resp: 103191
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

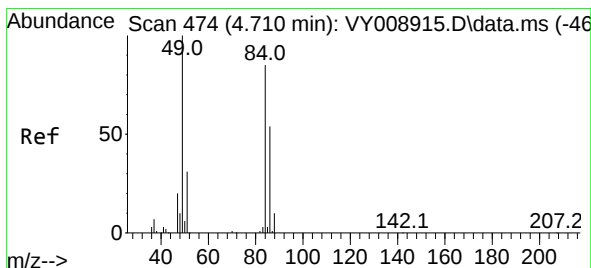
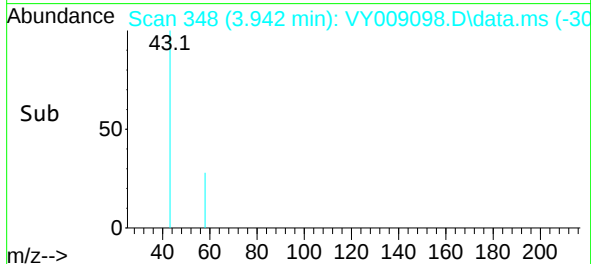
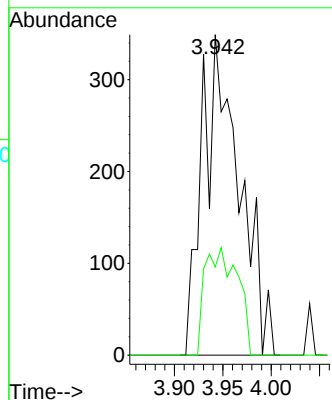
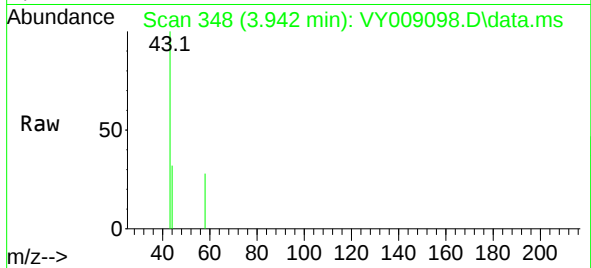




#16
Acetone
Concen: 4.207 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

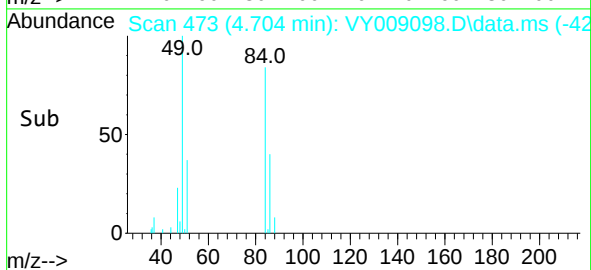
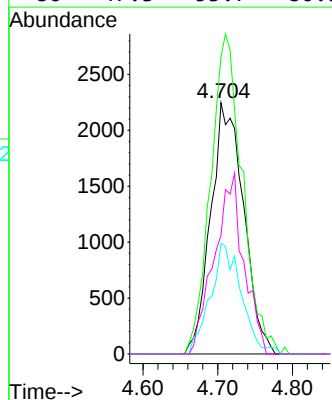
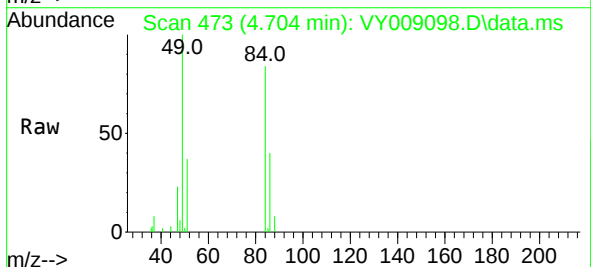
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

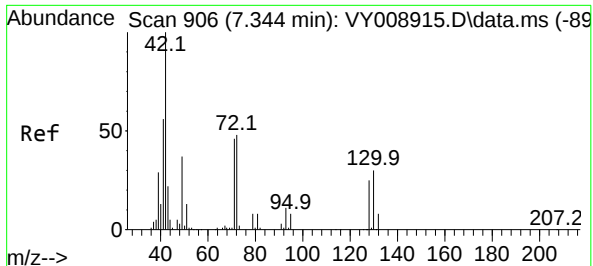
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 27.5 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 84 Resp: 6860
Ion Ratio Lower Upper
84 100
49 118.5 114.4 171.6
51 44.1 35.3 52.9
86 47.3 53.7 80.5#





#29

Tetrahydrofuran

Concen: 12.535 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY009098.D

Acq: 25 May 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-SW

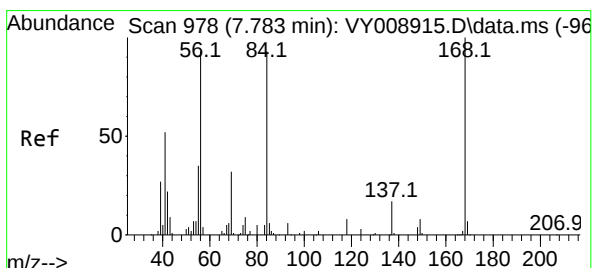
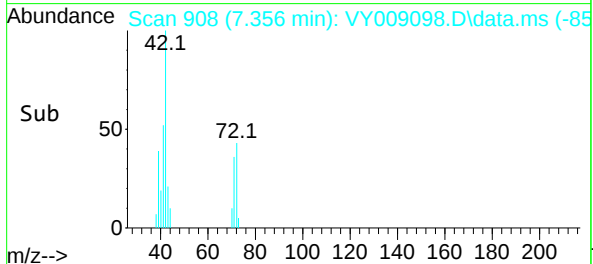
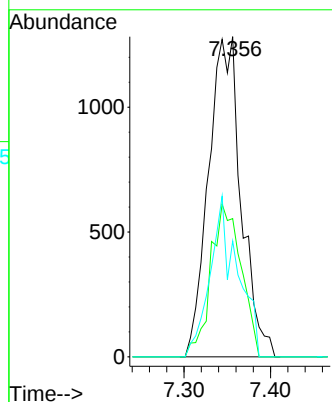
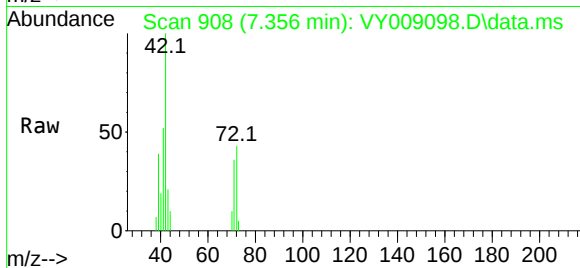
Tgt Ion: 42 Resp: 3362

Ion Ratio Lower Upper

42 100

72 44.3 30.3 45.5

71 42.1 29.0 43.4



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY009098.D

Acq: 25 May 2022 18:27

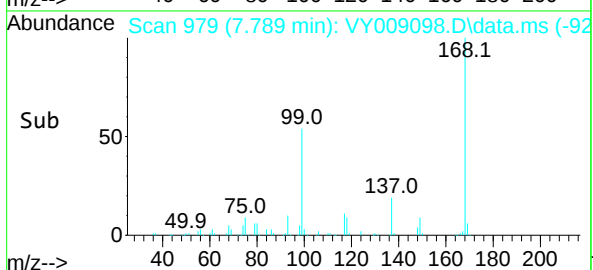
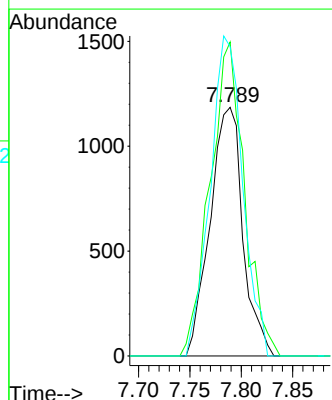
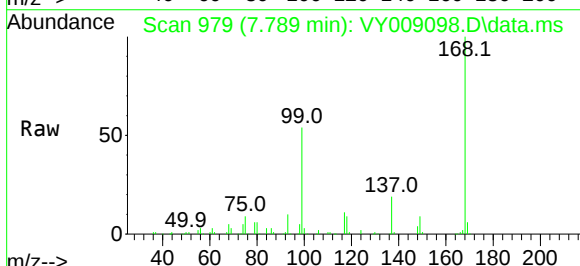
Tgt Ion: 56 Resp: 2625

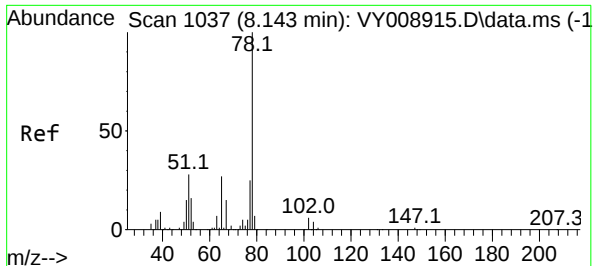
Ion Ratio Lower Upper

56 100

69 126.2 26.7 40.1#

84 124.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.745 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009098.D

Acq: 25 May 2022 18:27

Instrument :

MSVOA_Y

ClientSampleId :

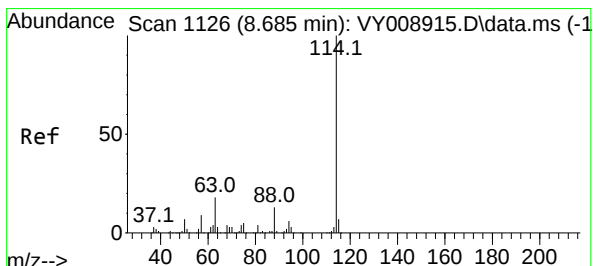
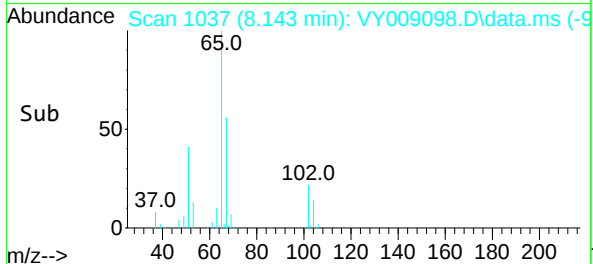
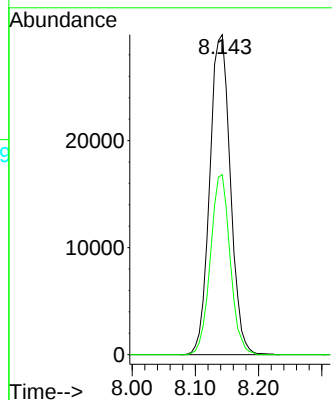
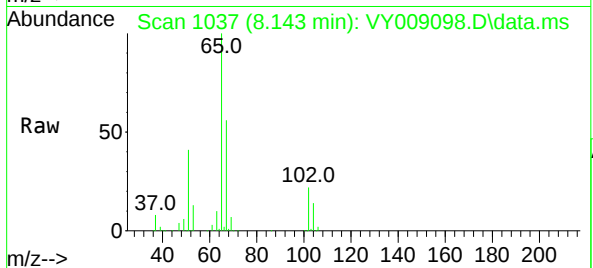
SOUTH-SW

Tgt Ion: 65 Resp: 67699

Ion Ratio Lower Upper

65 100

67 53.7 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: VY009098.D

Acq: 25 May 2022 18:27

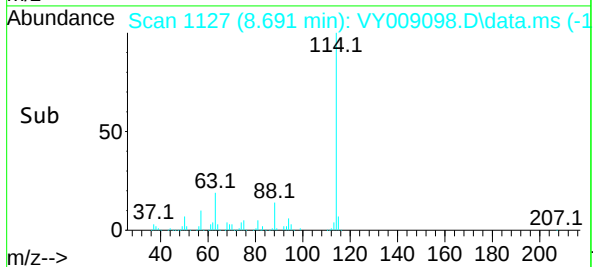
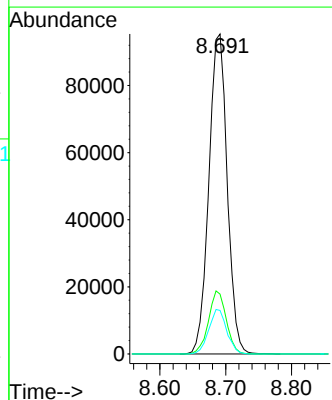
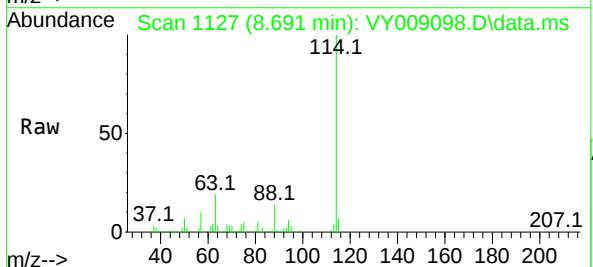
Tgt Ion:114 Resp: 185332

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 13.6 0.0 31.8

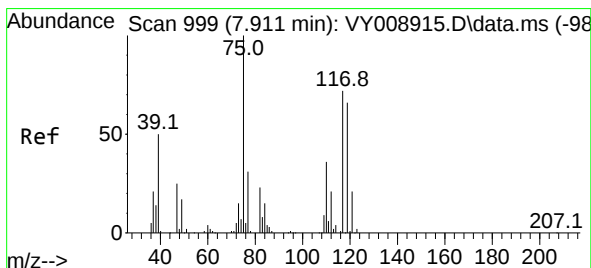
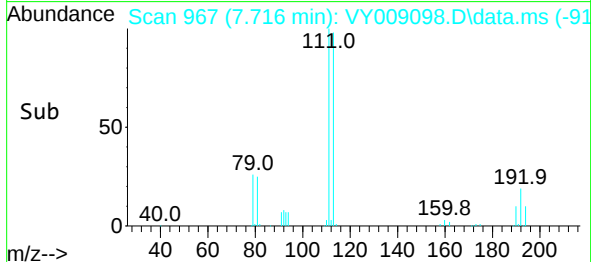
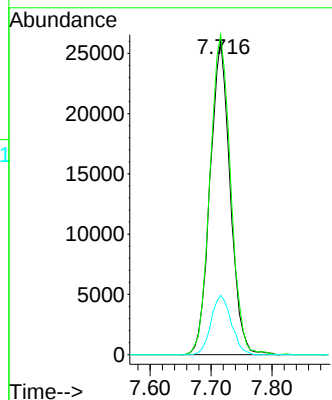
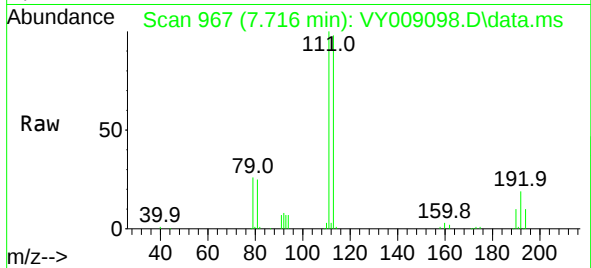




#35
Dibromofluoromethane
Concen: 51.679 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

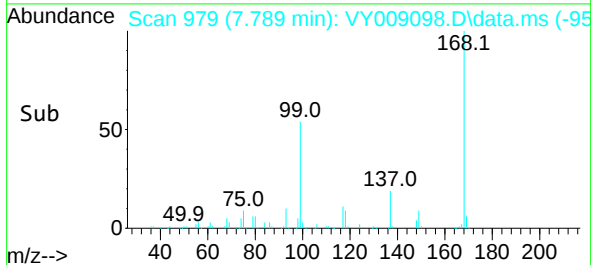
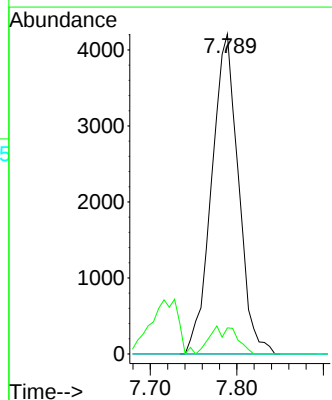
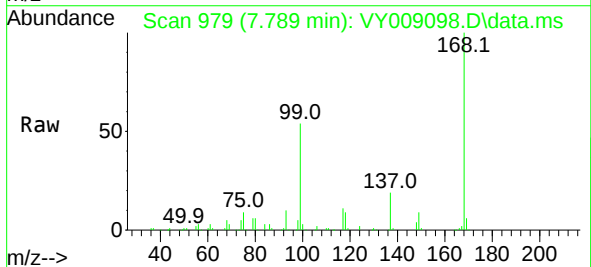
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

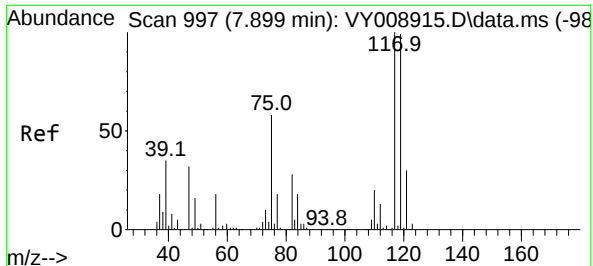
Tgt Ion:113 Resp: 59558
Ion Ratio Lower Upper
113 100
111 105.2 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

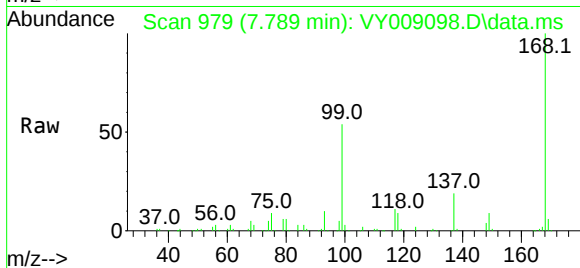
Tgt Ion: 75 Resp: 9046
Ion Ratio Lower Upper
75 100
110 4.4 17.1 51.2#
77 0.0 24.4 36.6#



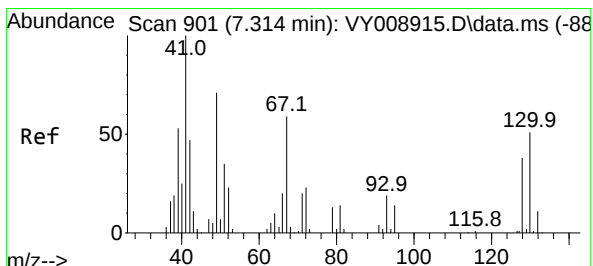
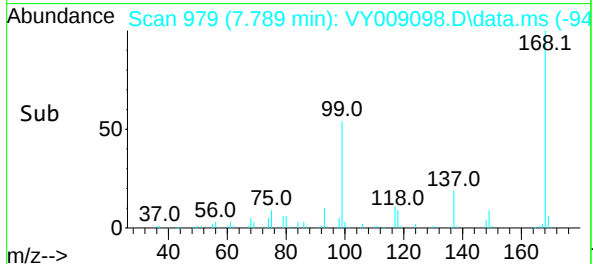
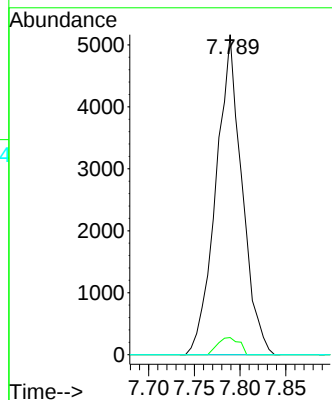


#38
Carbon Tetrachloride
Concen: 4.988 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

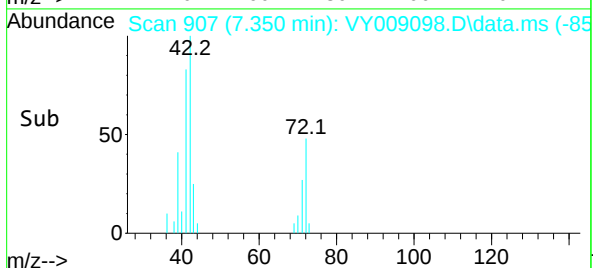
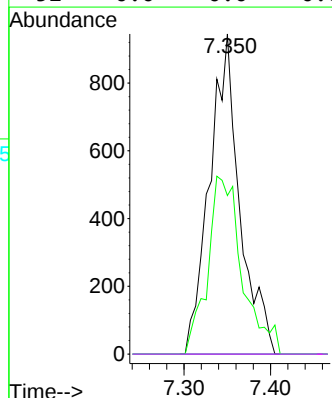
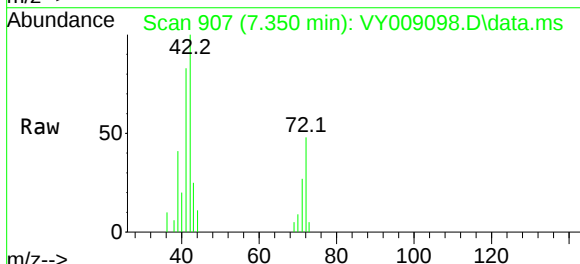


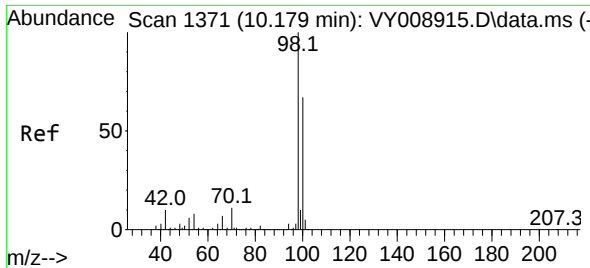
Tgt Ion:117 Resp: 10234
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 4.362 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.036 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 41 Resp: 2290
Ion Ratio Lower Upper
41 100
39 63.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

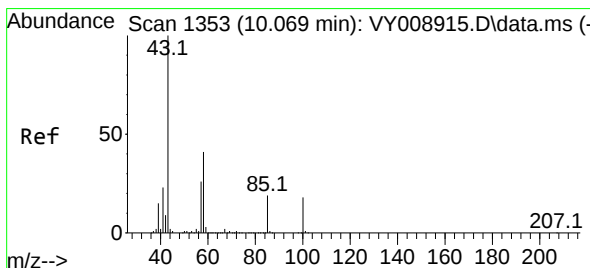
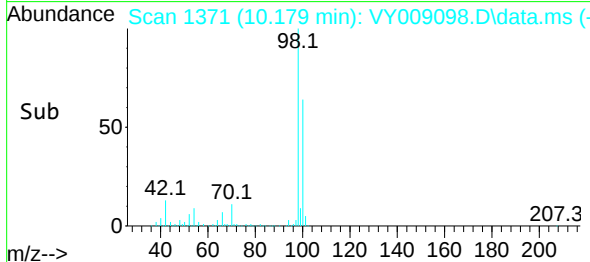
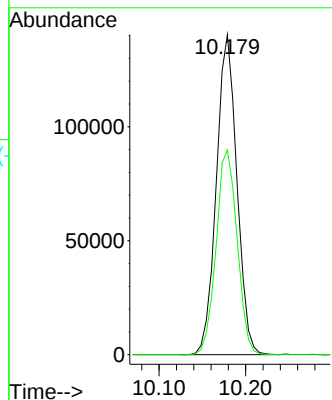
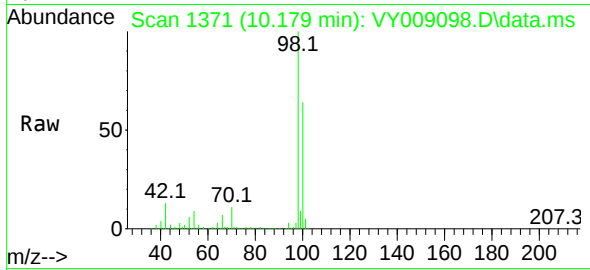




#50
Toluene-d8
Concen: 54.393 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

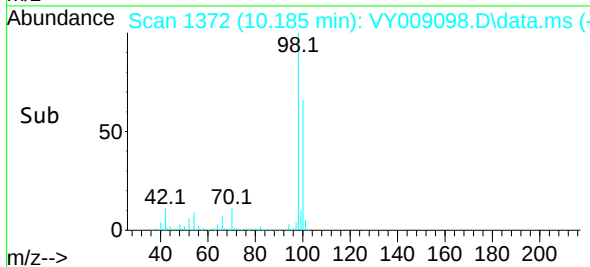
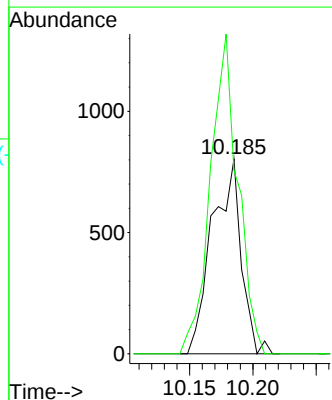
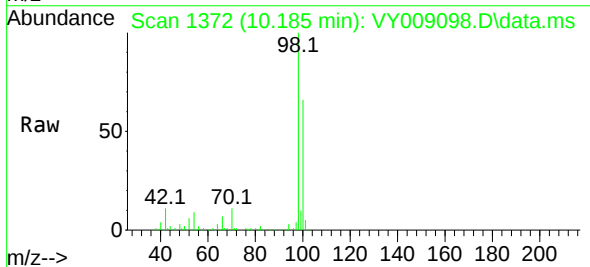
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

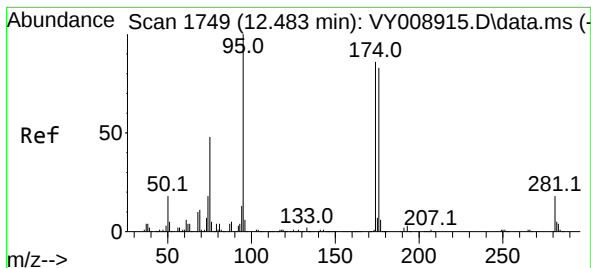
Tgt Ion: 98 Resp: 231258
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.220 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
58 156.1 28.1 42.1#

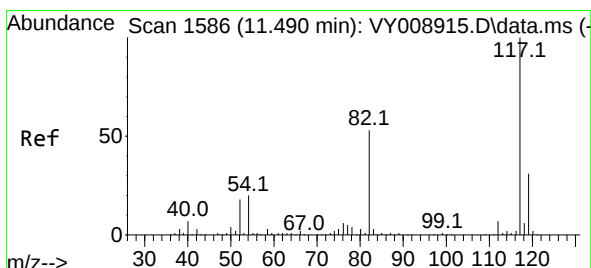
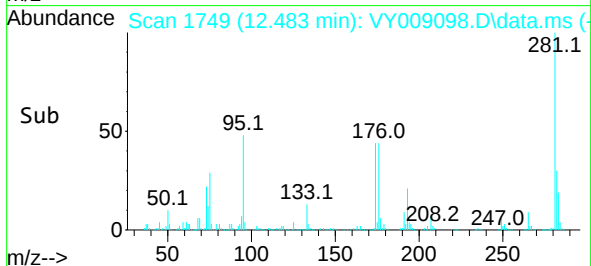
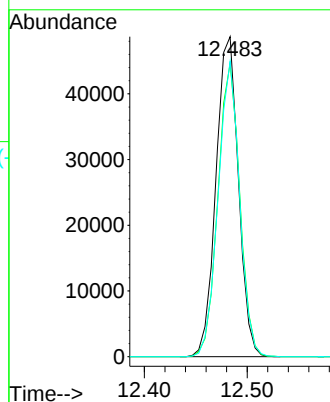
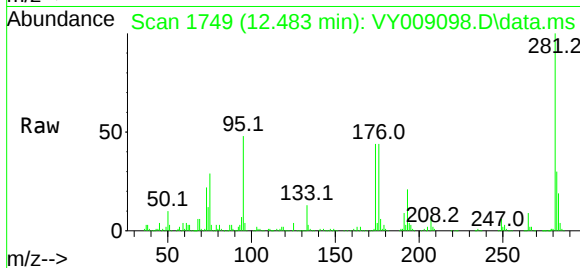




#62
4-Bromofluorobenzene
Concen: 42.910 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

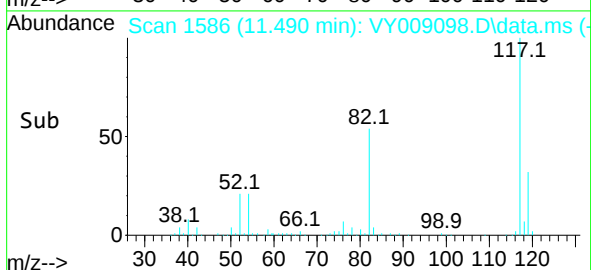
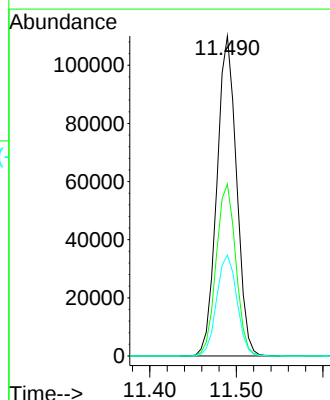
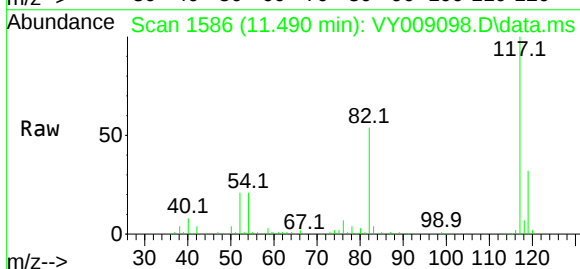
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

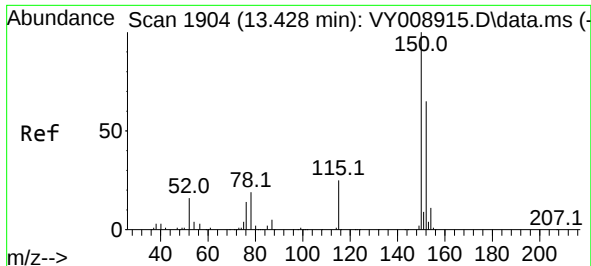
Tgt Ion: 95 Resp: 73593
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 88.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 117 Resp: 173721
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.6 25.4 38.0

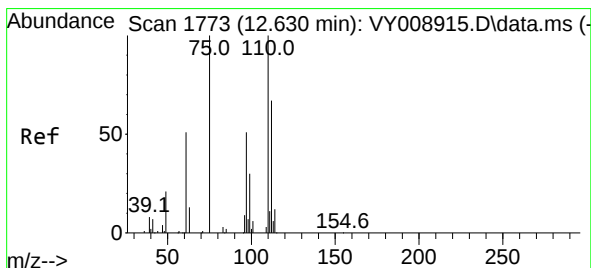
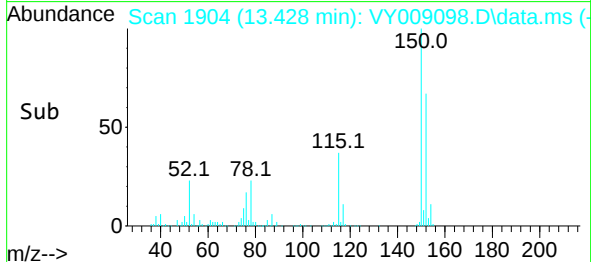
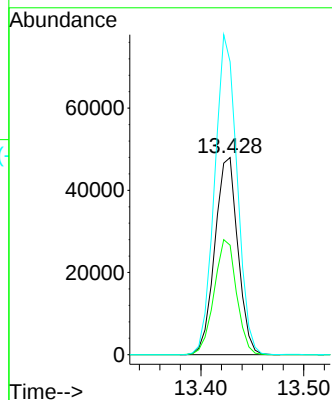
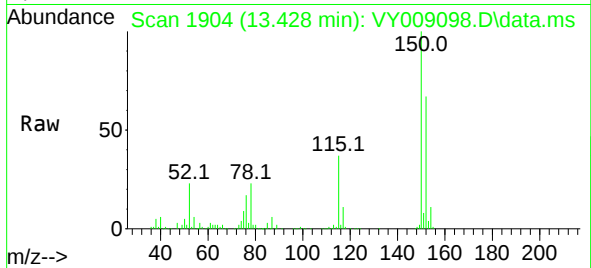




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

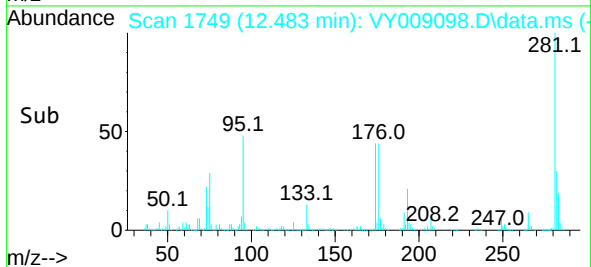
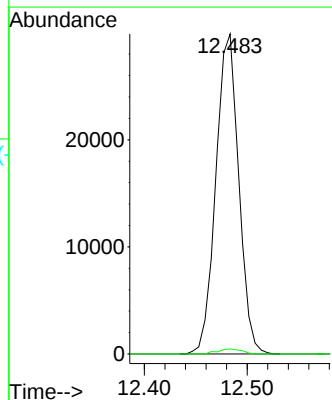
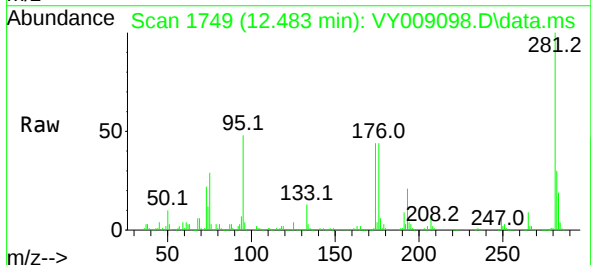
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-SW

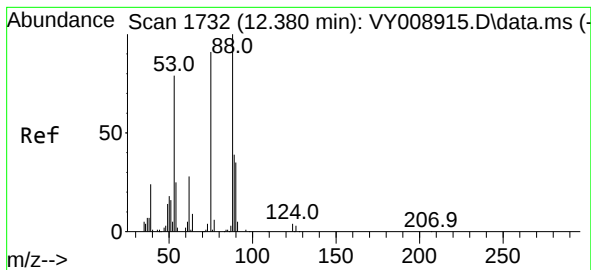
Tgt Ion:152 Resp: 74651
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 158.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 57.552 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009098.D
Acq: 25 May 2022 18:27

Tgt Ion: 75 Resp: 46137
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.125 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009098.D
 Acq: 25 May 2022 18:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-SW

Tgt Ion: 75 Resp: 46137
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.7 37.0 55.4#

