

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052522\
 Data File : VY009097.D
 Acq On : 25 May 2022 18:03
 Operator : KP/MD
 Sample : N3025-01
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-SW

Quant Time: May 26 04:31:30 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)

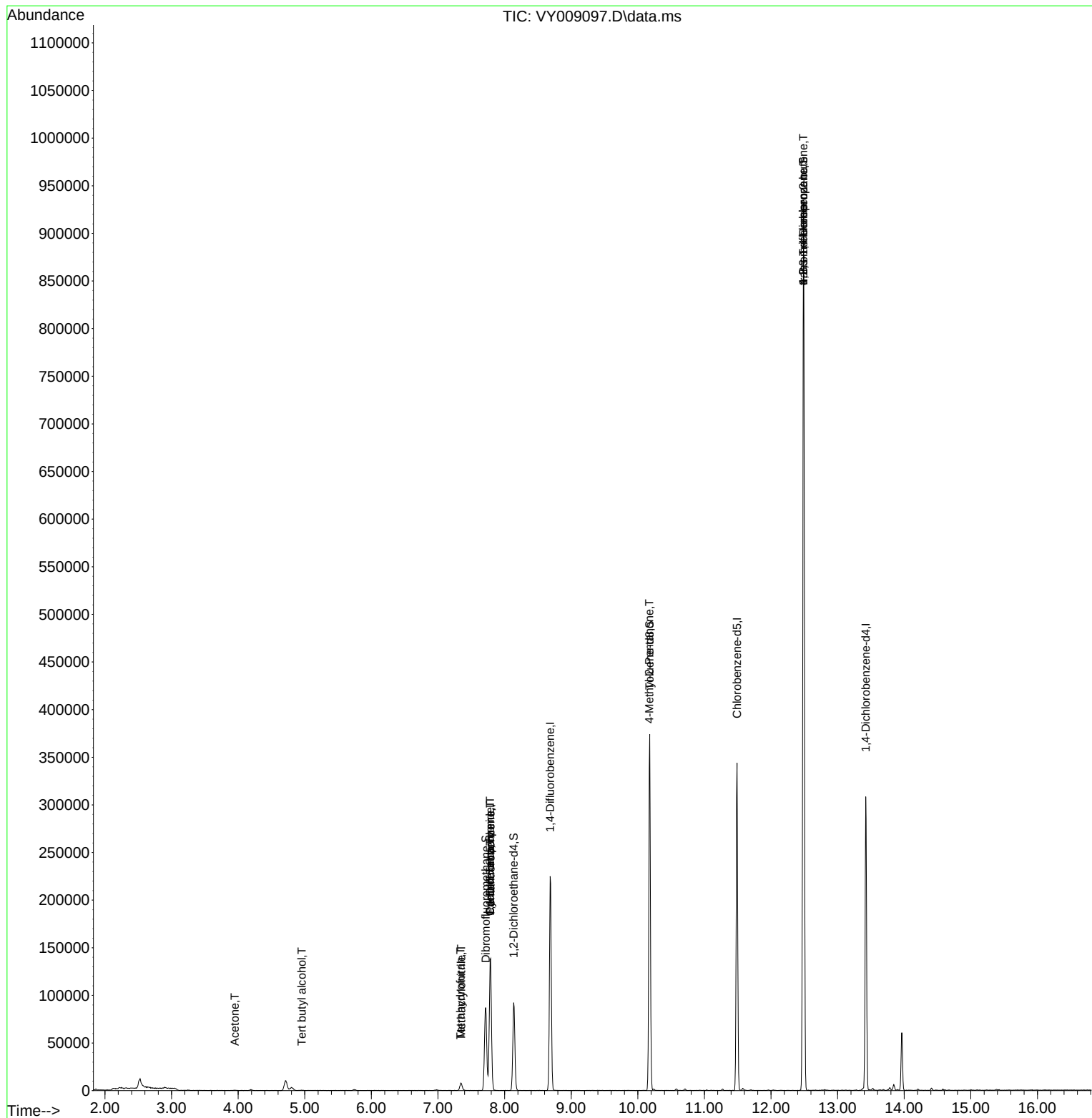
Internal Standards						
1) Pentafluorobenzene	7.789	168	106056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	185334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	174602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68292	62.567	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.140%	
35) Dibromofluoromethane	7.716	113	59539	51.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.179	98	233522	54.925	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.483	95	73946	43.115	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.240%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.954	59	422	3.812	ug/l #	77
16) Acetone	3.948	43	567	2.496	ug/l #	79
20) Methylene Chloride	4.710	84	7552	Below Cal	#	89
29) Tetrahydrofuran	7.338	42	5803	21.051	ug/l #	87
31) Cyclohexane	7.783	56	2715	1.271	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	8543	4.356	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10664	5.198	ug/l #	16
41) Methacrylonitrile	7.350	41	3460	6.590	ug/l #	54
51) 4-Methyl-2-Pentanone	10.173	43	1140	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	49240	63.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49240	129.615	ug/l #	9

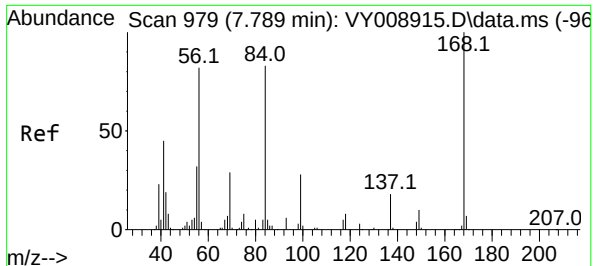
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 26 04:31:30 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

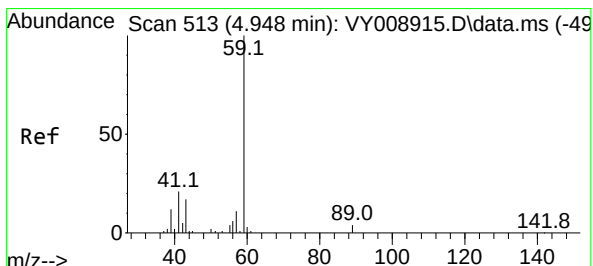
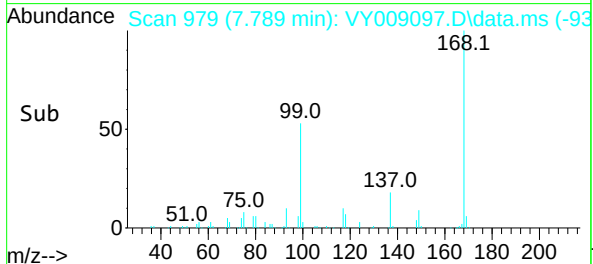
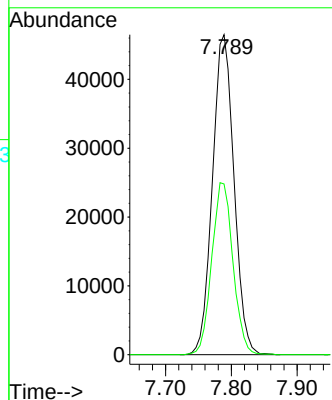
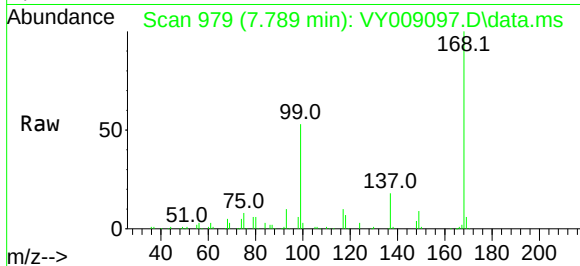




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

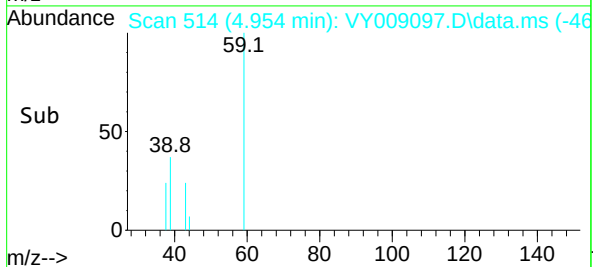
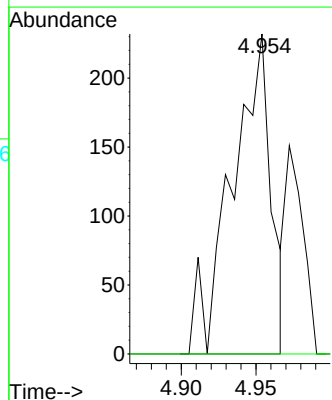
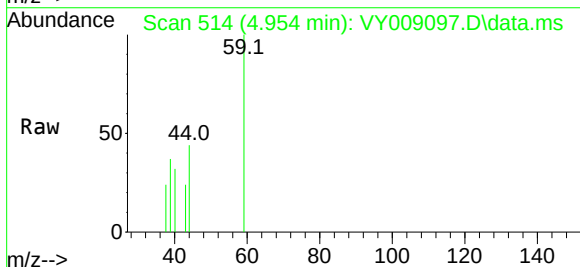
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

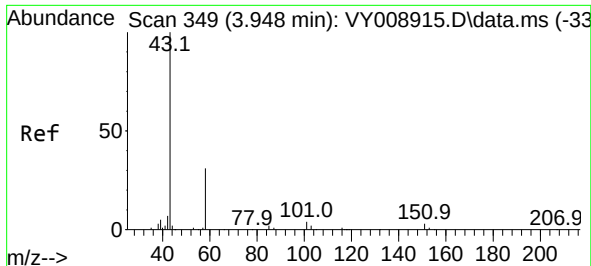
Tgt Ion:168 Resp: 106056
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.812 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

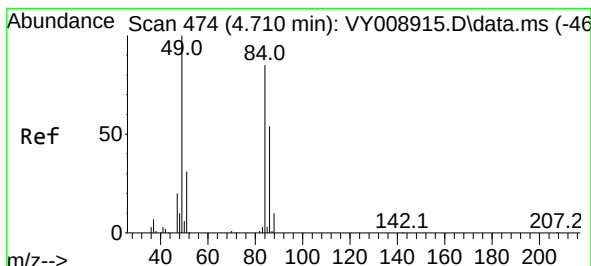
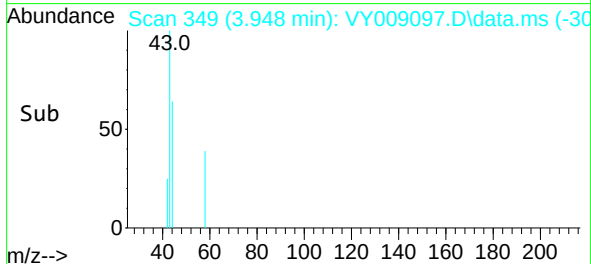
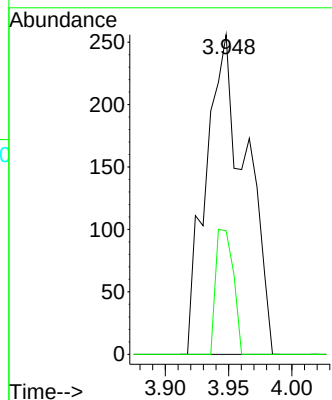
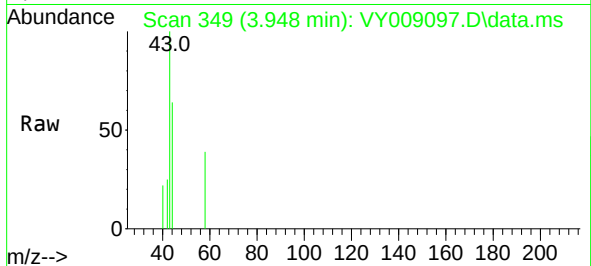




#16
Acetone
Concen: 2.496 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

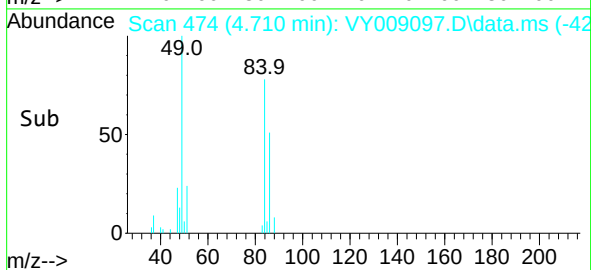
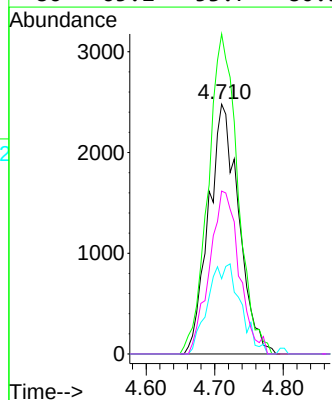
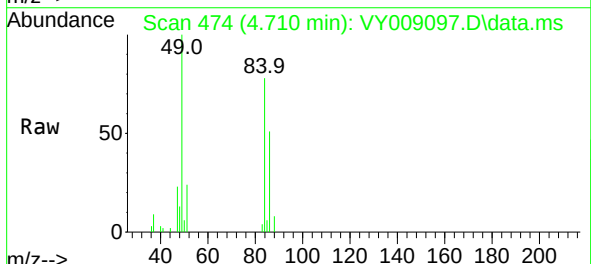
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

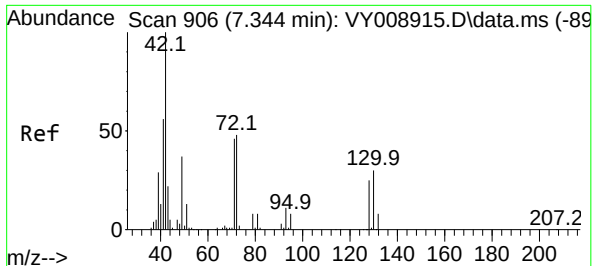
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 38.7 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Tgt Ion: 84 Resp: 7552
Ion Ratio Lower Upper
84 100
49 128.1 114.4 171.6
51 30.1 35.3 52.9#
86 65.2 53.7 80.5





#29

Tetrahydrofuran

Concen: 21.051 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY009097.D

Acq: 25 May 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

NORTH-SW

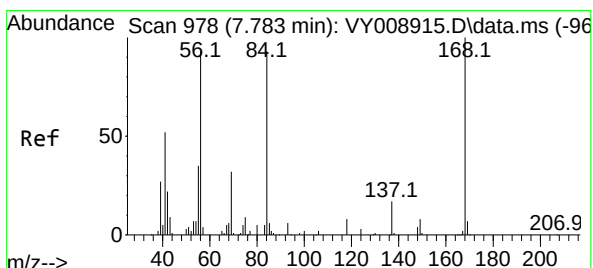
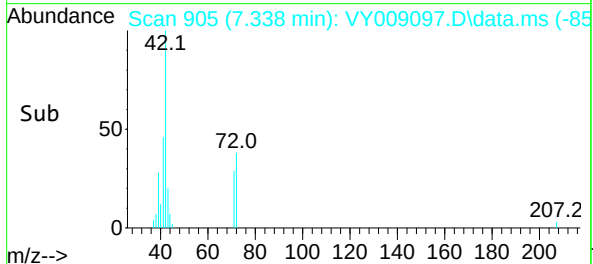
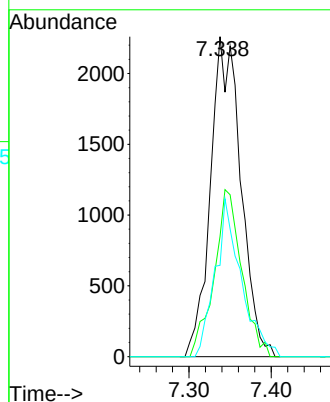
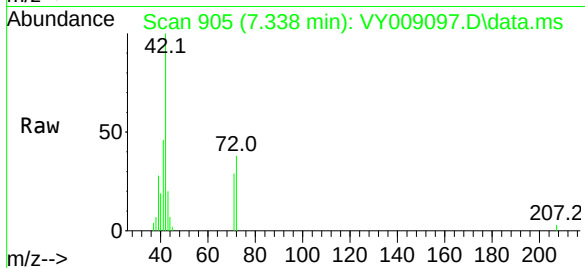
Tgt Ion: 42 Resp: 5803

Ion Ratio Lower Upper

42 100

72 47.3 30.3 45.5#

71 42.1 29.0 43.4



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009097.D

Acq: 25 May 2022 18:03

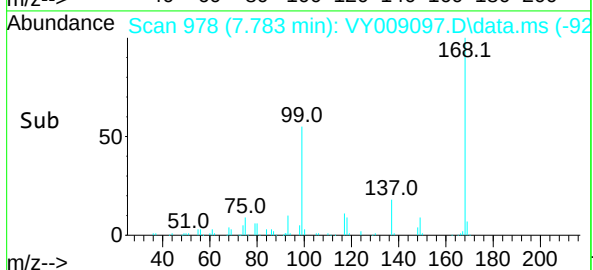
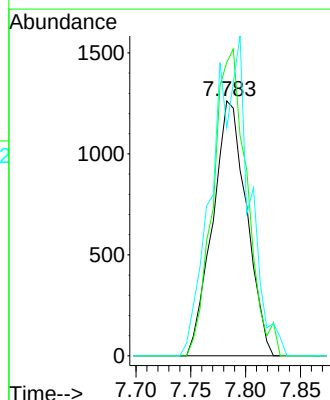
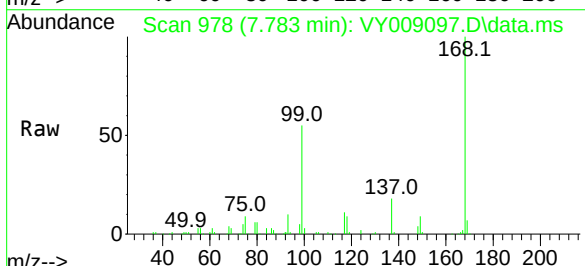
Tgt Ion: 56 Resp: 2715

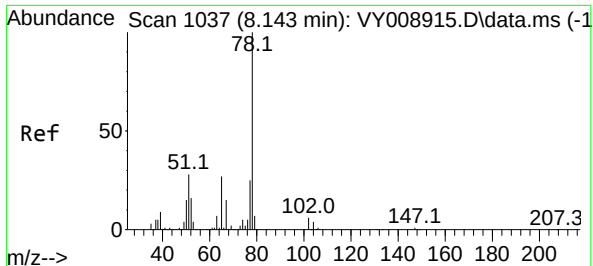
Ion Ratio Lower Upper

56 100

69 115.1 26.7 40.1#

84 89.5 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 62.567 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009097.D

Acq: 25 May 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

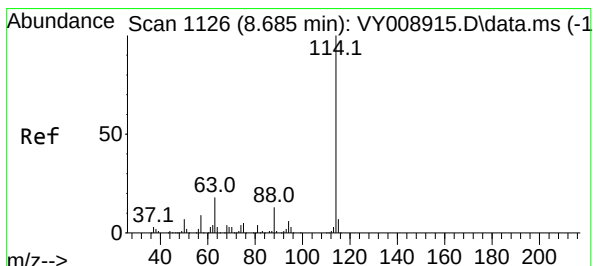
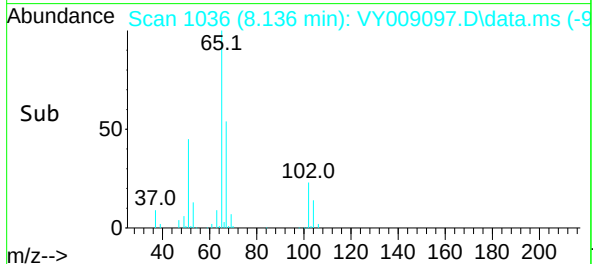
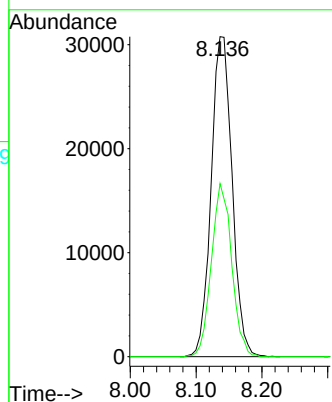
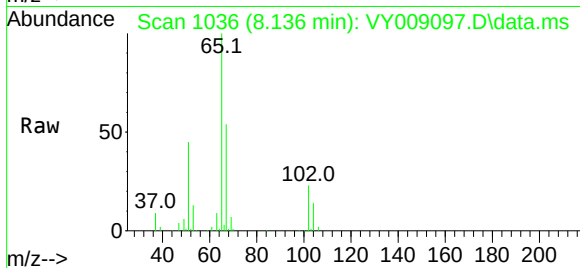
NORTH-SW

Tgt Ion: 65 Resp: 68292

Ion Ratio Lower Upper

65 100

67 52.3 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: VY009097.D

Acq: 25 May 2022 18:03

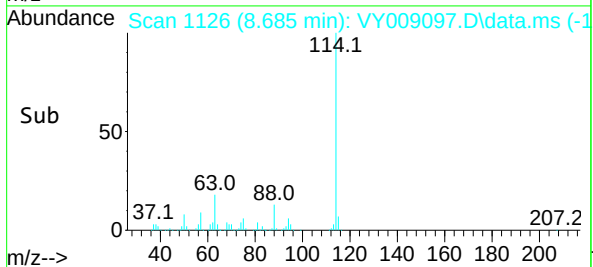
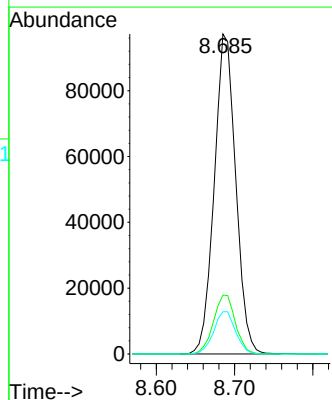
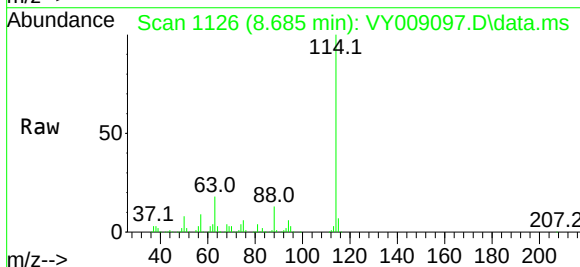
Tgt Ion: 114 Resp: 185334

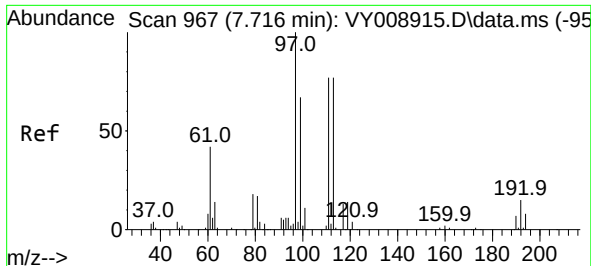
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.2 0.0 31.8

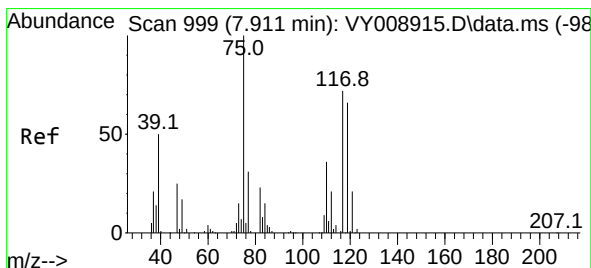
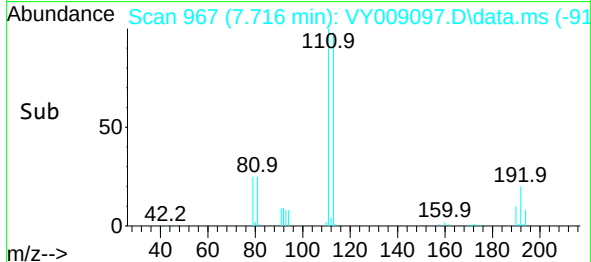
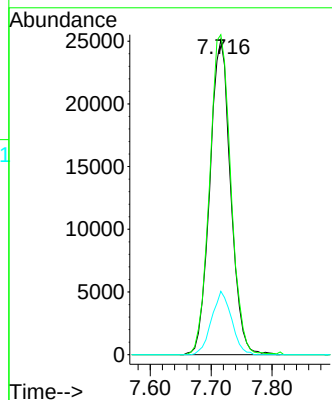
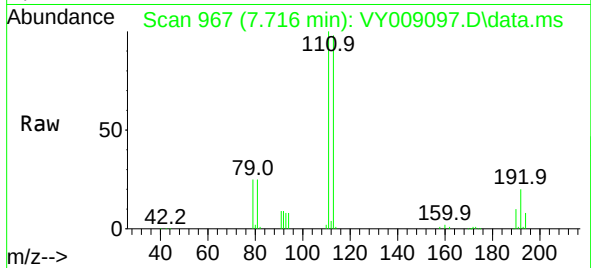




#35
Dibromofluoromethane
Concen: 51.661 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

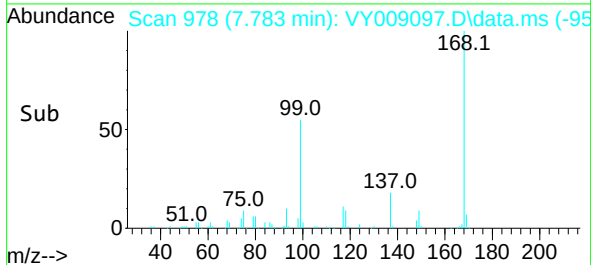
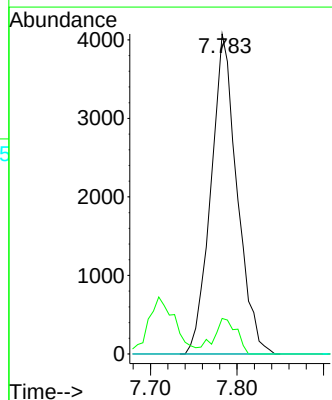
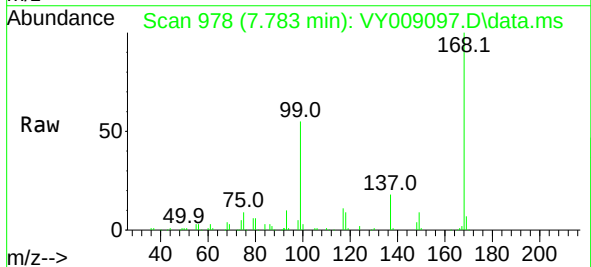
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

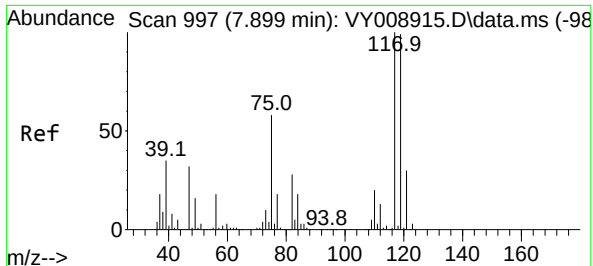
Tgt Ion:113 Resp: 59539
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.356 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

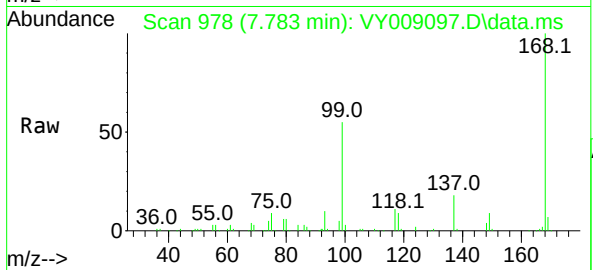
Tgt Ion: 75 Resp: 8543
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



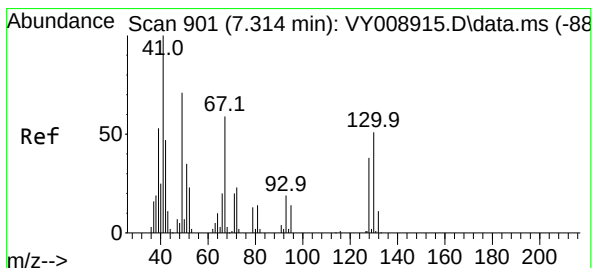
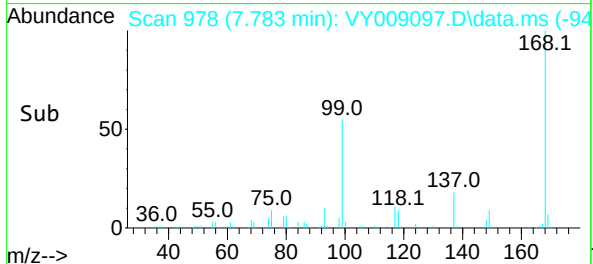
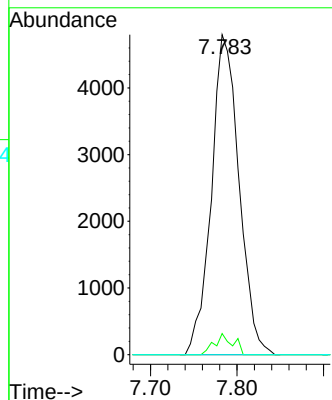


#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

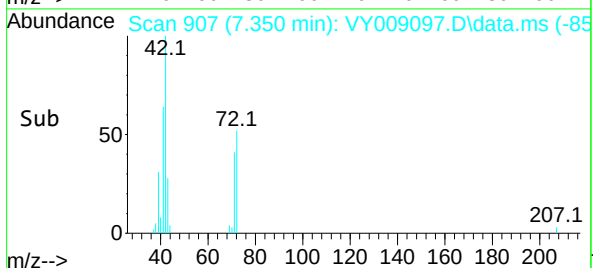
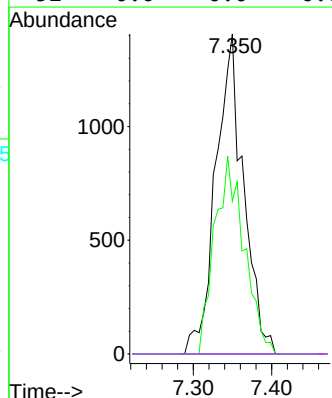
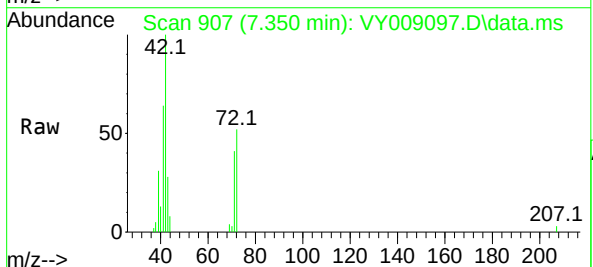


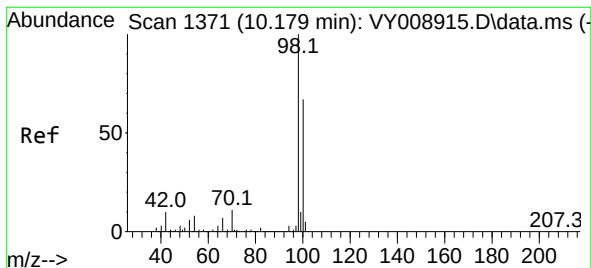
Tgt Ion:117 Resp: 10664
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 6.590 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.036 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Tgt Ion: 41 Resp: 3460
Ion Ratio Lower Upper
41 100
39 65.8 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

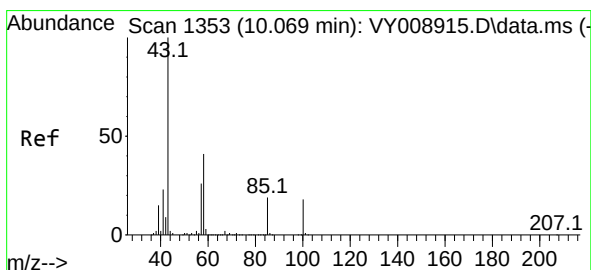
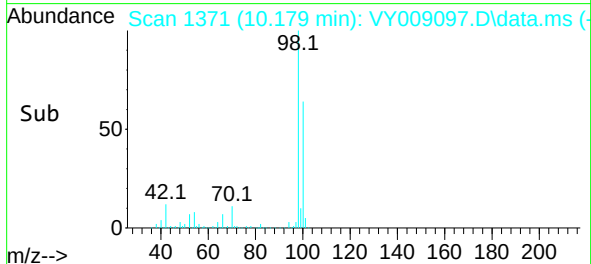
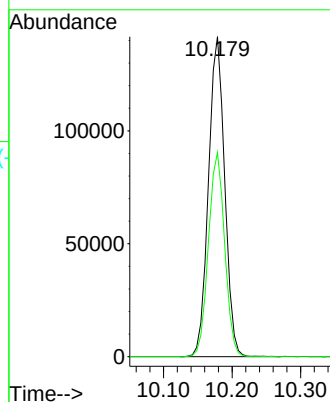
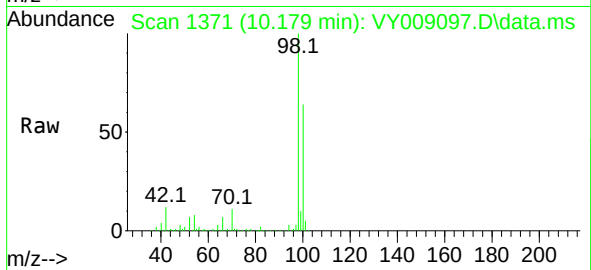




#50
Toluene-d8
Concen: 54.925 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

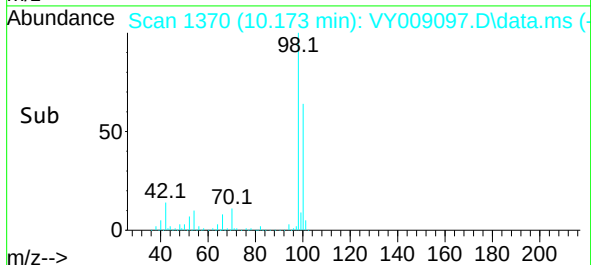
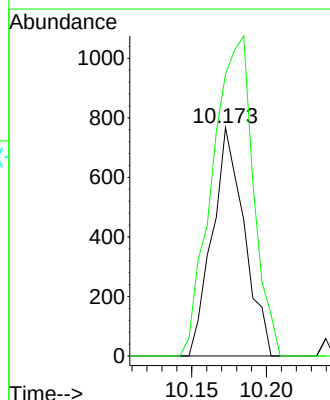
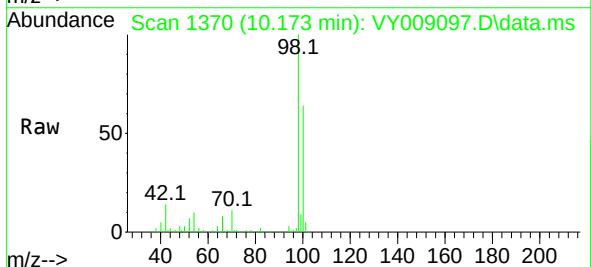
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

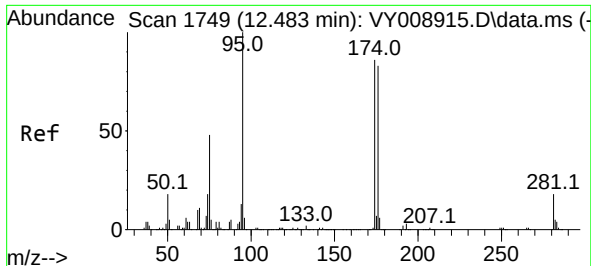
Tgt Ion: 98 Resp: 233522
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.089 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 179.6 28.1 42.1#

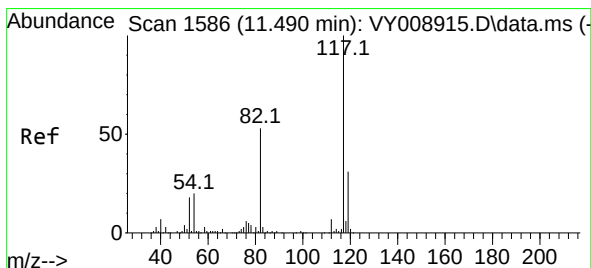
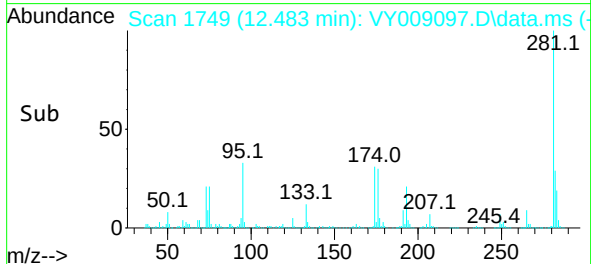
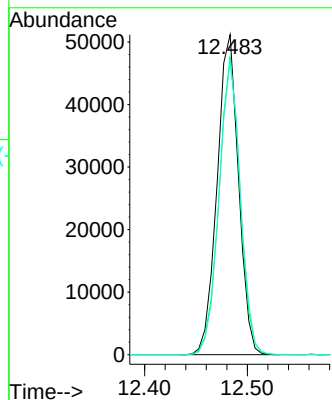
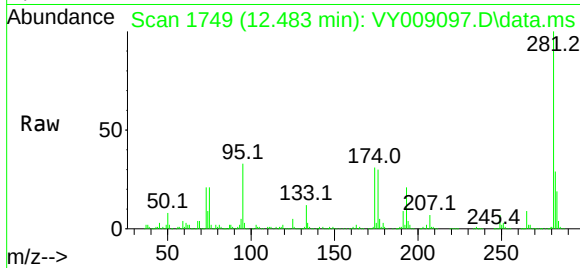




#62
4-Bromofluorobenzene
Concen: 43.115 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

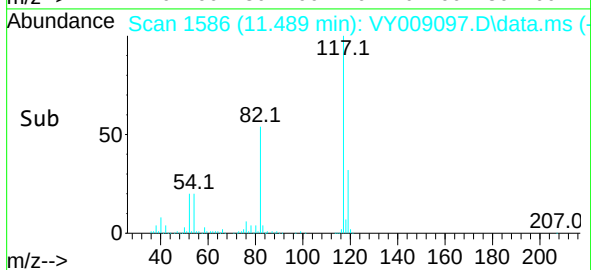
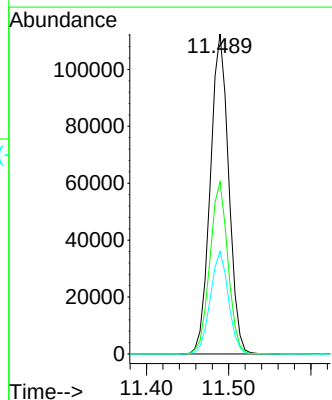
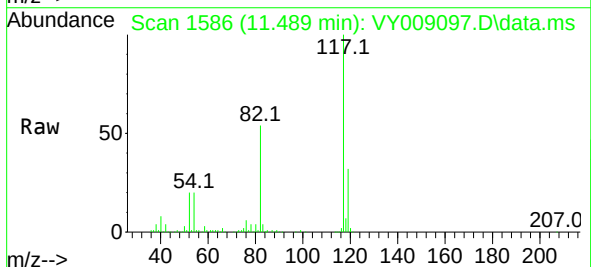
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-SW

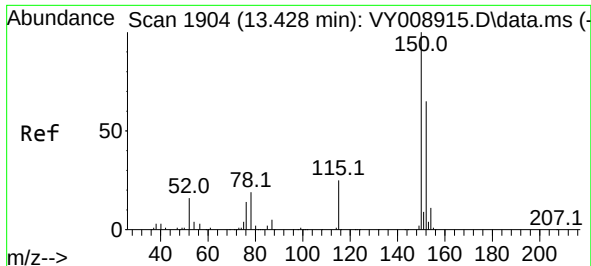
Tgt Ion: 95 Resp: 73946
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 91.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009097.D
Acq: 25 May 2022 18:03

Tgt Ion: 117 Resp: 174602
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.1 25.4 38.0

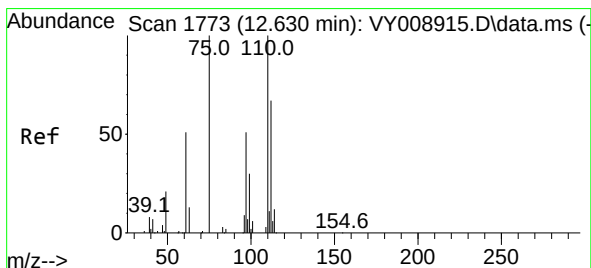
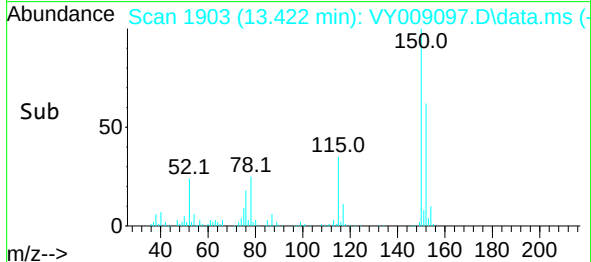
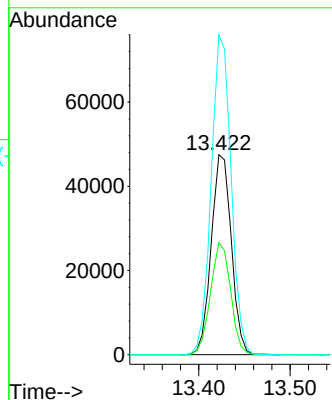
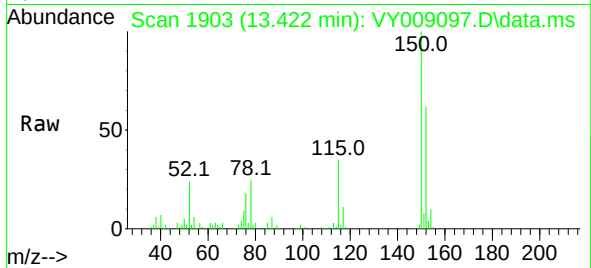




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY009097.D
 Acq: 25 May 2022 18:03

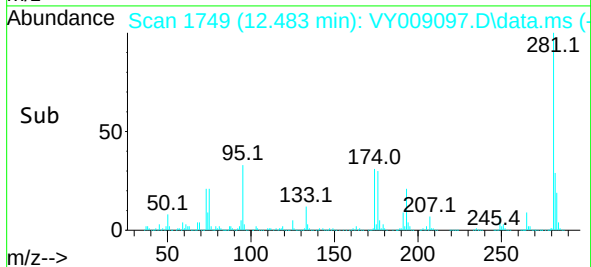
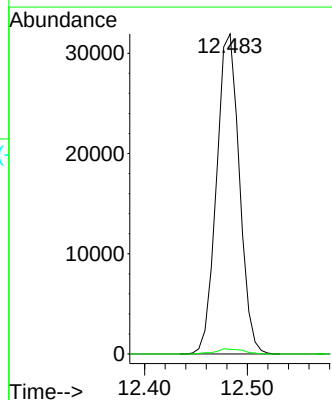
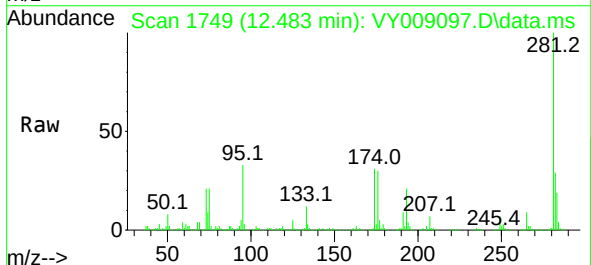
Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-SW

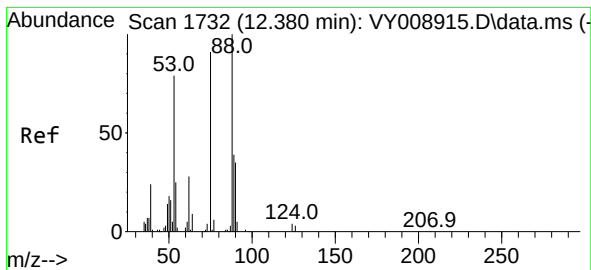
Tgt Ion:152 Resp: 72609
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.2 84.7
 150 158.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 63.150 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY009097.D
 Acq: 25 May 2022 18:03

Tgt Ion: 75 Resp: 49240
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.615 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009097.D
 Acq: 25 May 2022 18:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-SW

Tgt Ion: 75 Resp: 49240
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 3.5 37.0 55.4#

