

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010988.D
 Acq On : 18 Oct 2022 12:14
 Operator : KP/MD
 Sample : N5105-09
 Misc : 6.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2RE

Quant Time: Oct 18 15:24:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

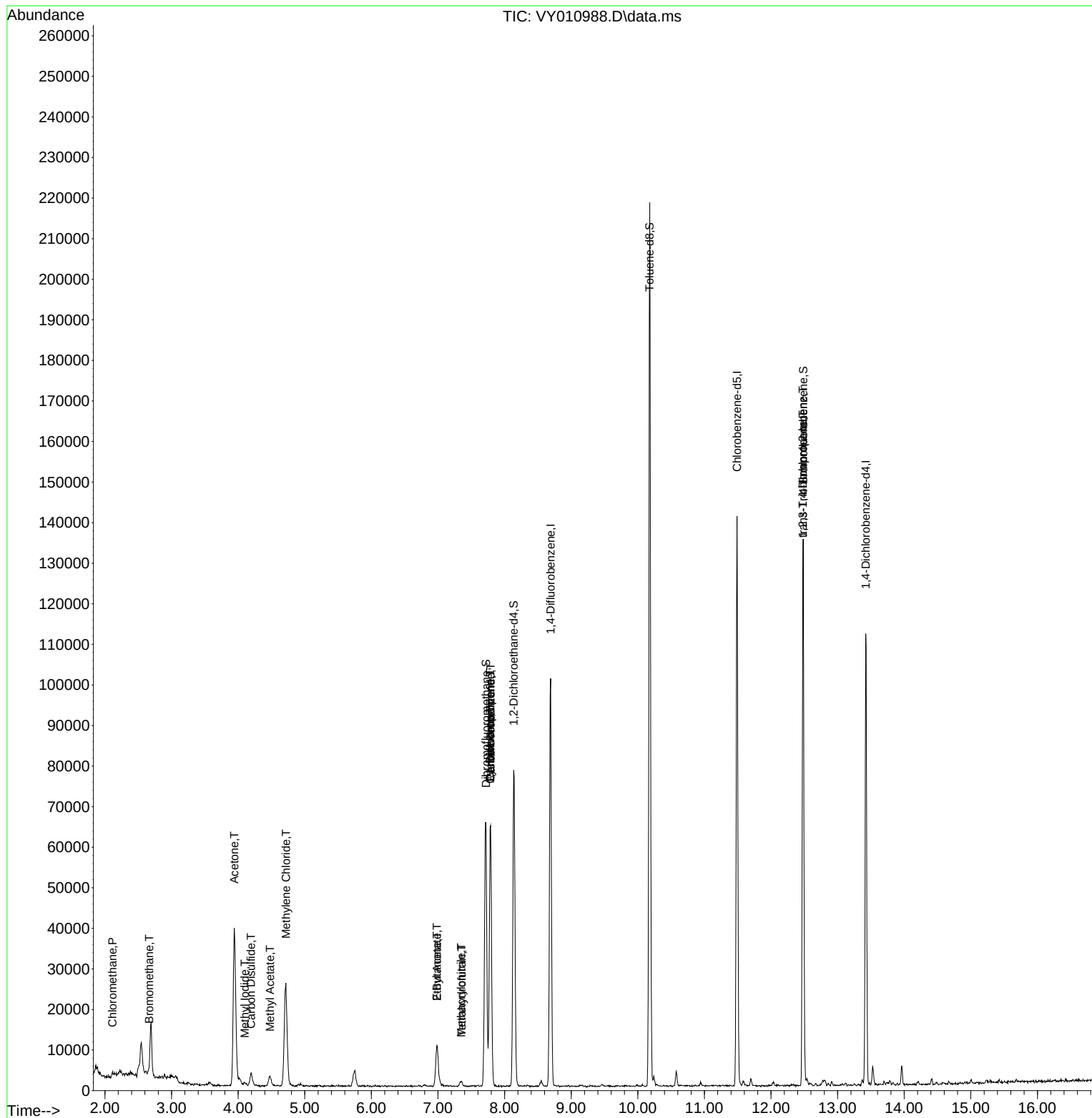
Internal Standards						
1) Pentafluorobenzene	7.789	168	51546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	79375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60337	127.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 254.140%#	
35) Dibromofluoromethane	7.722	113	48636	101.443	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 202.880%#	
50) Toluene-d8	10.179	98	143503	78.160	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 156.320%#	
62) 4-Bromofluorobenzene	12.483	95	40611	63.257	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	639	1.303	ug/l	95
5) Bromomethane	2.662	94	592	1.539	ug/l	98
10) Methyl Iodide	4.100	142	1272	2.037	ug/l #	57
11) Tert butyl alcohol	4.911	59	185	Below Cal	#	77
16) Acetone	3.942	43	66563	482.743	ug/l #	88
17) Carbon Disulfide	4.192	76	4223	2.946	ug/l	98
18) Methyl Acetate	4.478	43	4672	9.777	ug/l	99
20) Methylene Chloride	4.716	84	19424	29.769	ug/l #	84
25) 2-Butanone	6.984	43	15805	75.584	ug/l #	82
29) Tetrahydrofuran	7.356	42	1045	8.123	ug/l	97
31) Cyclohexane	7.783	56	1040	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3883	4.744	ug/l #	50
37) Ethyl Acetate	6.984	43	15805	34.874	ug/l #	73
38) Carbon Tetrachloride	7.789	117	4955	5.864	ug/l #	16
41) Methacrylonitrile	7.350	41	605	2.463	ug/l #	39
76) 1,2,3-Trichloropropane	12.477	75	20197	58.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20197	126.323	ug/l #	7

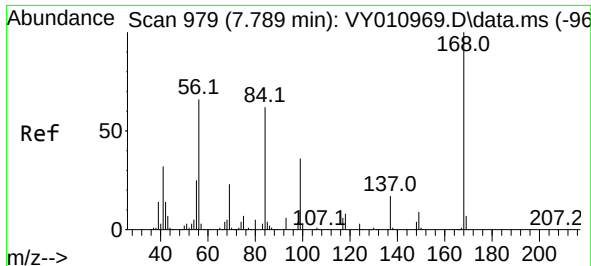
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
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WC-2RE

Quant Time: Oct 18 15:24:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
Response via : Initial Calibration

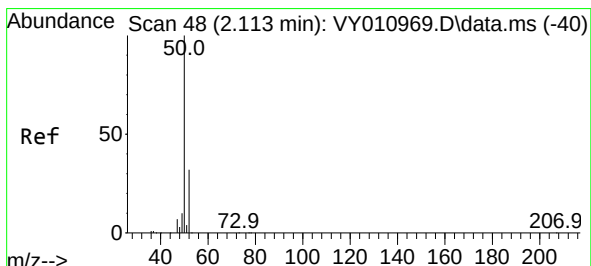
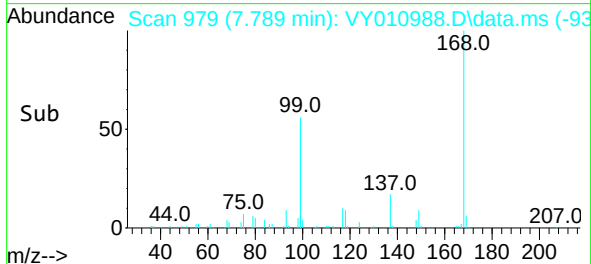
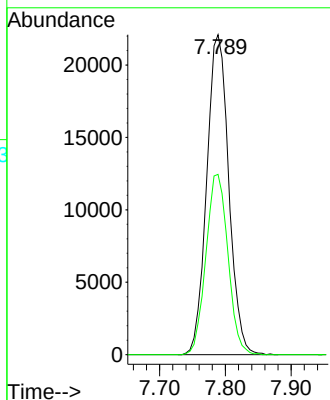
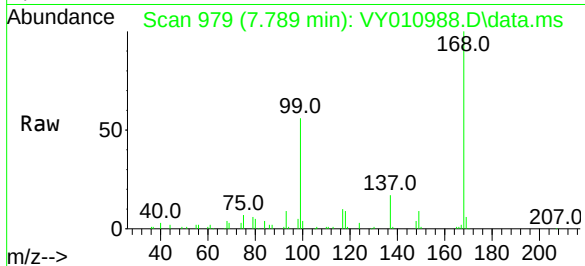




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

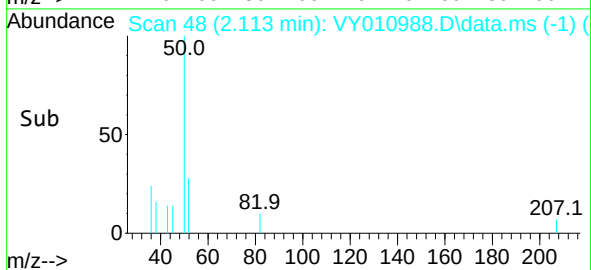
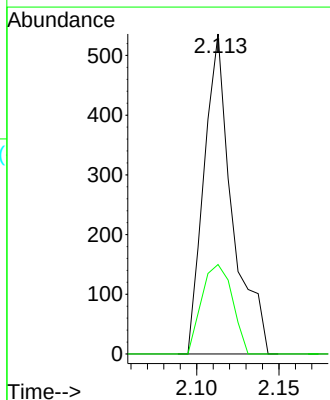
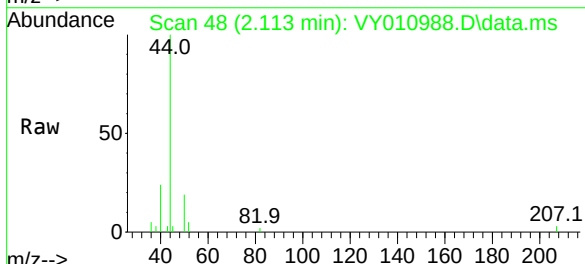
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

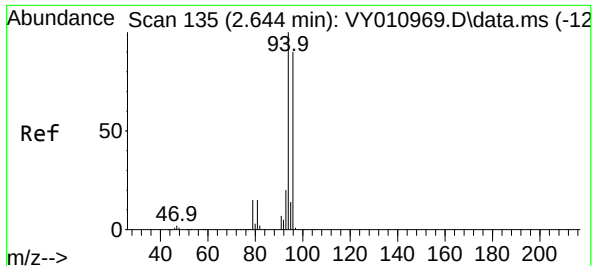
Tgt Ion:168 Resp: 51546
Ion Ratio Lower Upper
168 100
99 56.4 46.9 70.3



#3
Chloromethane
Concen: 1.303 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 50 Resp: 639
Ion Ratio Lower Upper
50 100
52 28.0 24.6 37.0





#5

Bromomethane

Concen: 1.539 ug/l

RT: 2.662 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

Instrument :

MSVOA_Y

ClientSampleId :

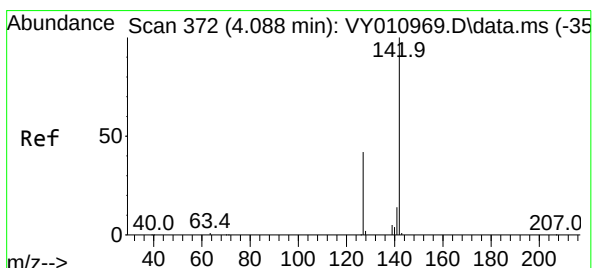
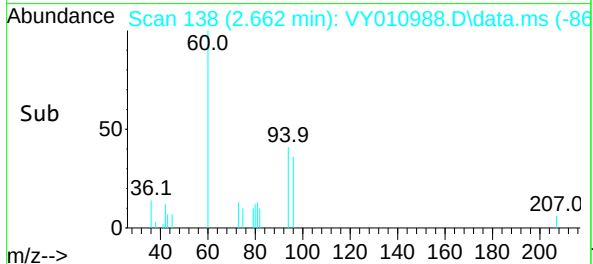
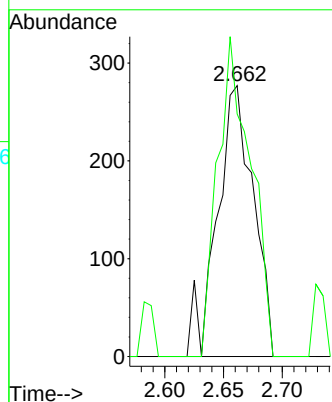
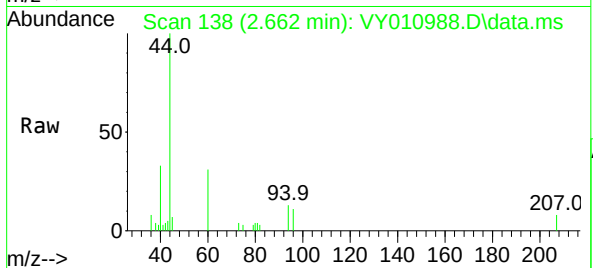
WC-2RE

Tgt Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 89.5 73.5 110.3



#10

Methyl Iodide

Concen: 2.037 ug/l

RT: 4.100 min Scan# 374

Delta R.T. 0.012 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

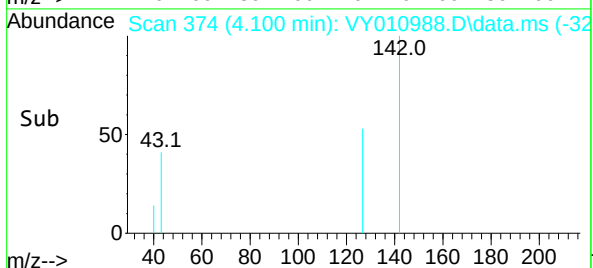
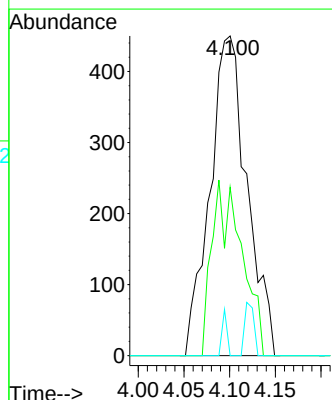
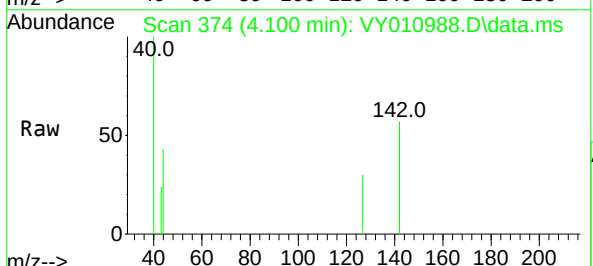
Tgt Ion:142 Resp: 1272

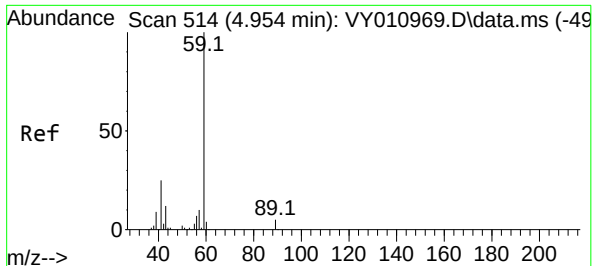
Ion Ratio Lower Upper

142 100

127 19.8 41.5 62.3#

141 1.9 11.9 17.9#

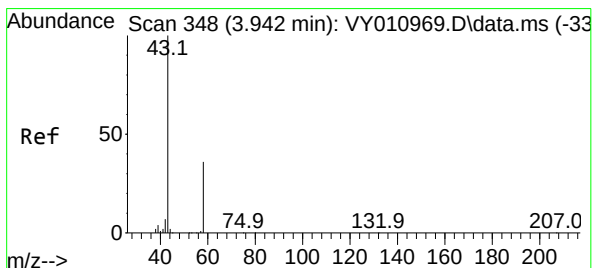
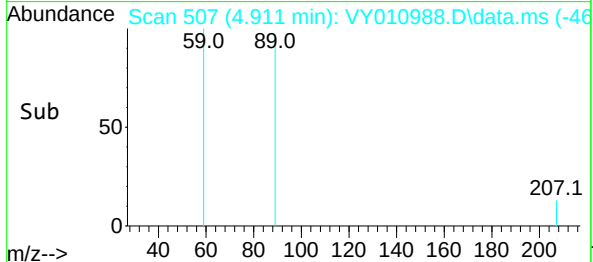
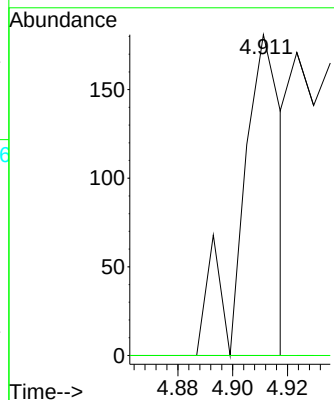
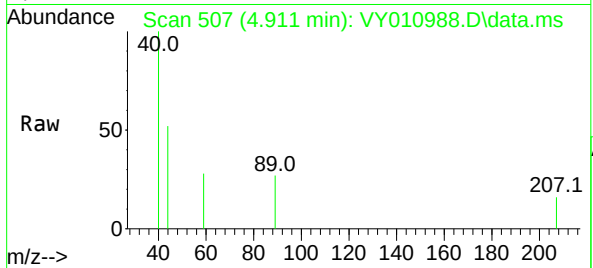




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 50
Delta R.T. -0.043 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

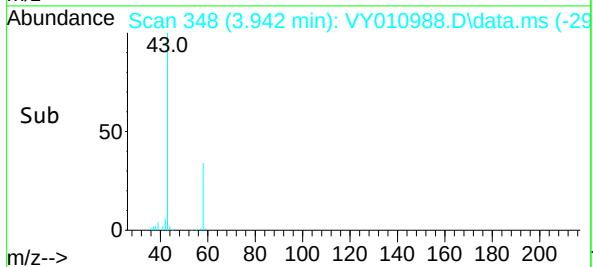
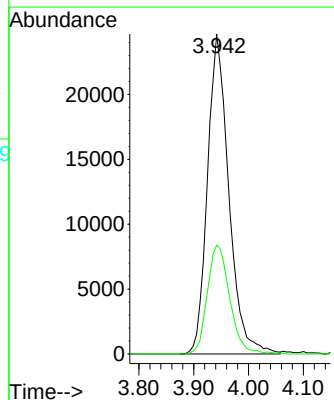
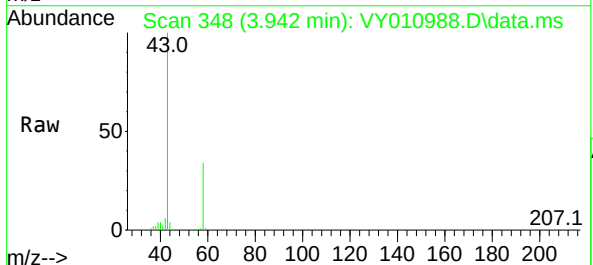
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

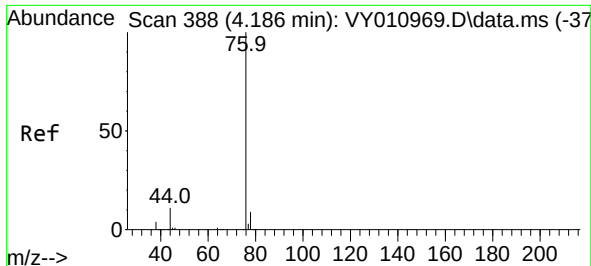
Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 482.743 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 43 Resp: 66563
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#

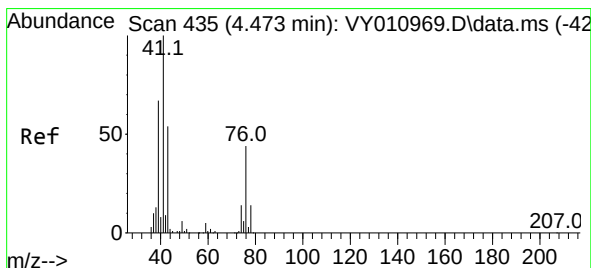
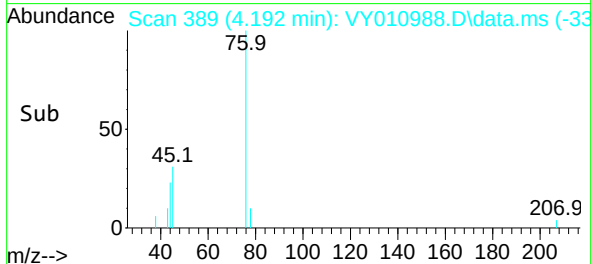
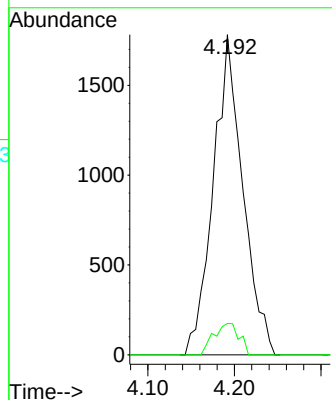
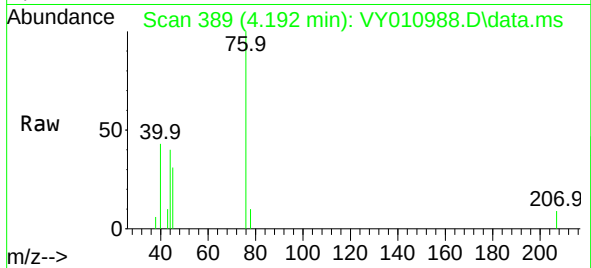




#17
Carbon Disulfide
Concen: 2.946 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

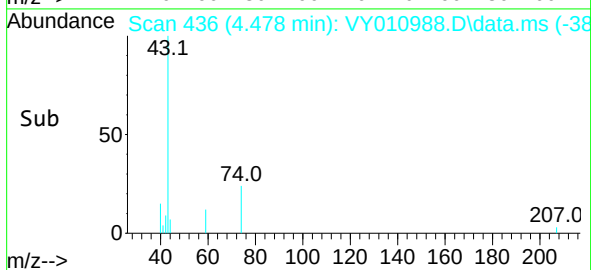
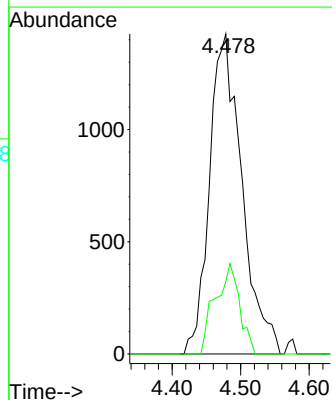
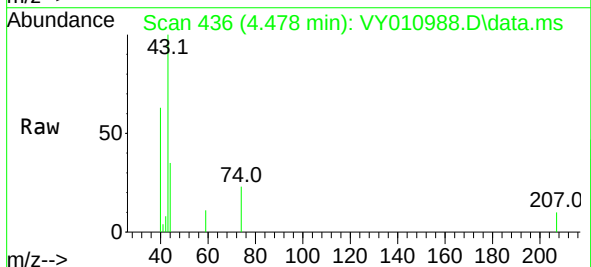
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

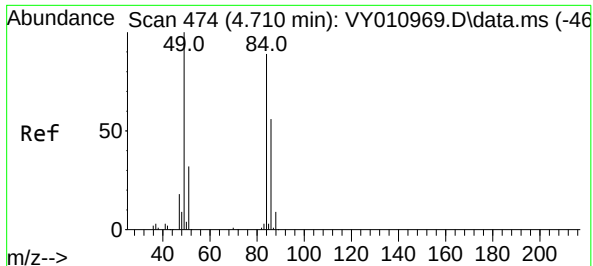
Tgt Ion: 76 Resp: 4223
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 9.777 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 43 Resp: 4672
Ion Ratio Lower Upper
43 100
74 21.1 16.6 24.8

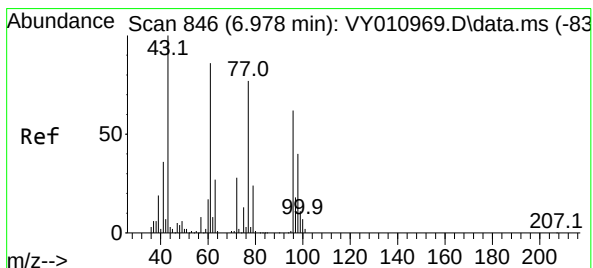
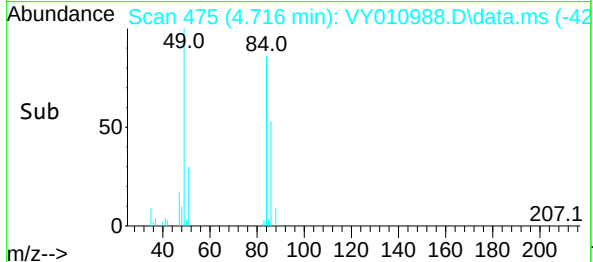
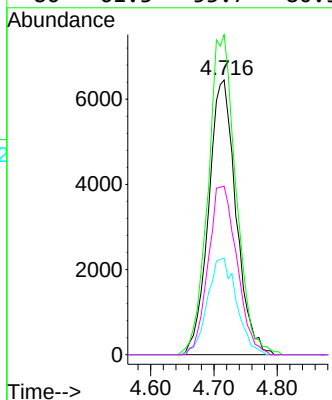
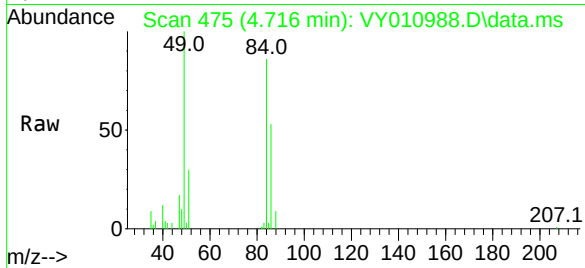




#20
Methylene Chloride
Concen: 29.769 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

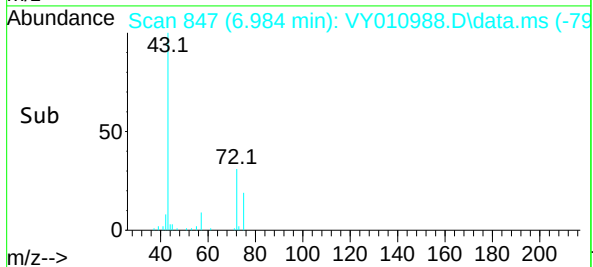
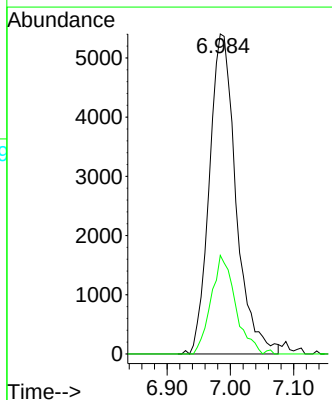
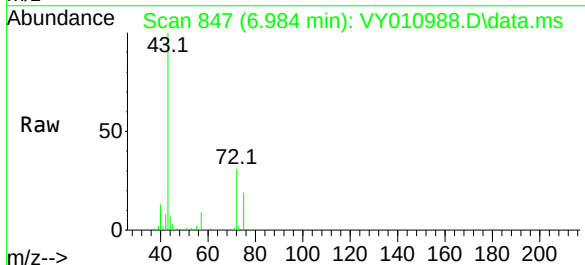
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

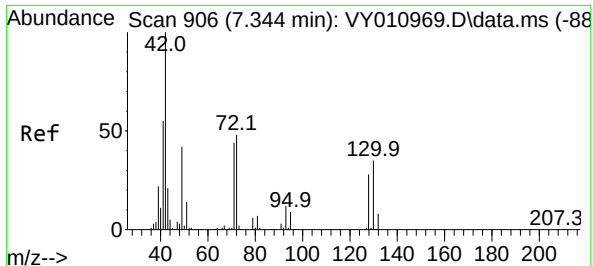
Tgt Ion: 84 Resp: 19424
Ion Ratio Lower Upper
84 100
49 116.5 114.4 171.6
51 35.2 35.3 52.9#
86 61.3 53.7 80.5



#25
2-Butanone
Concen: 75.584 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 43 Resp: 15805
Ion Ratio Lower Upper
43 100
72 30.8 17.7 26.5#





#29

Tetrahydrofuran

Concen: 8.123 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-2RE

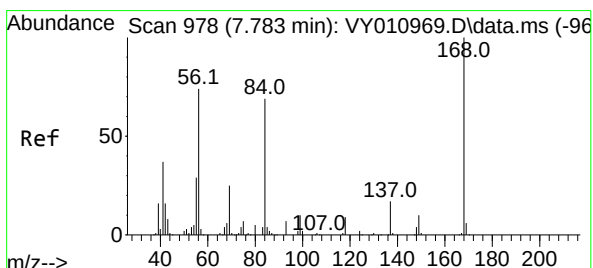
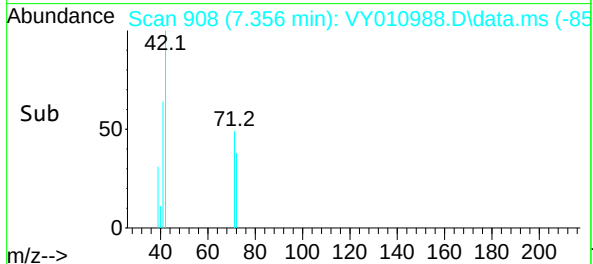
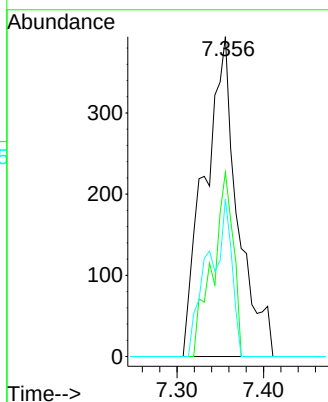
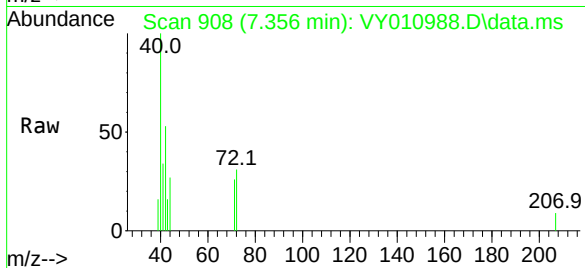
Tgt Ion: 42 Resp: 1045

Ion Ratio Lower Upper

42 100

72 36.0 30.3 45.5

71 34.4 29.0 43.4



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

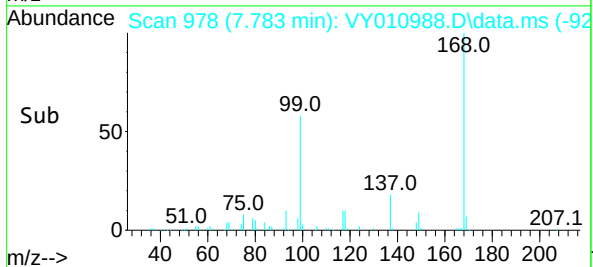
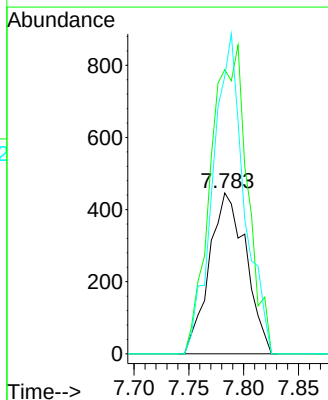
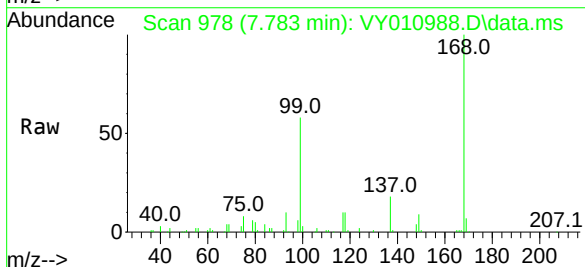
Tgt Ion: 56 Resp: 1040

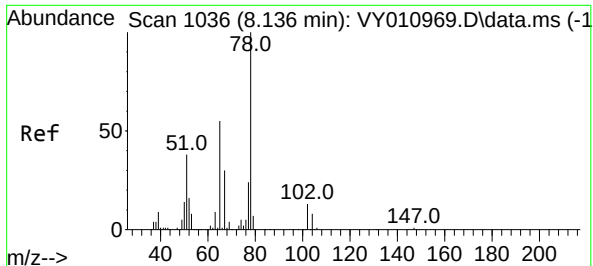
Ion Ratio Lower Upper

56 100

69 176.7 26.7 40.1#

84 172.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 127.075 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

Instrument :

MSVOA_Y

ClientSampleId :

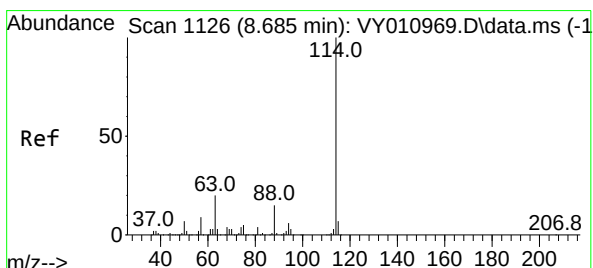
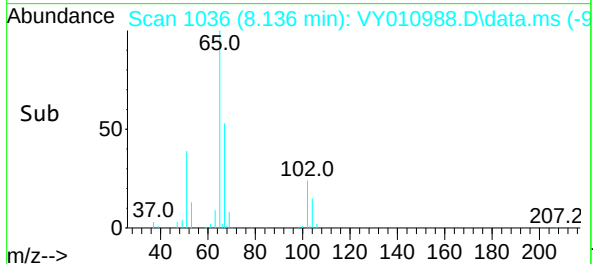
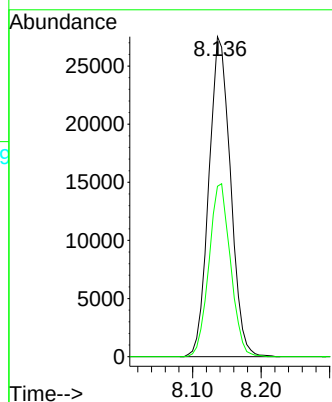
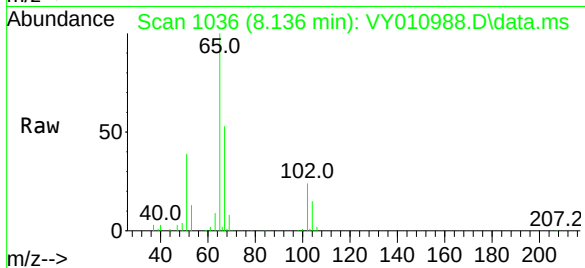
WC-2RE

Tgt Ion: 65 Resp: 60337

Ion Ratio Lower Upper

65 100

67 53.8 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: VY010988.D

Acq: 18 Oct 2022 12:14

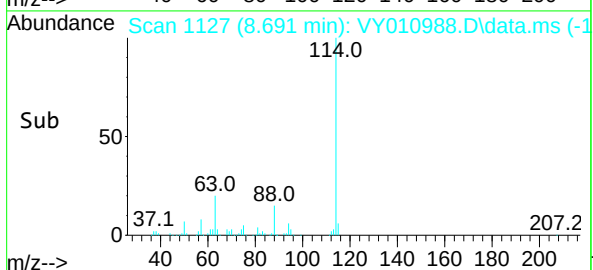
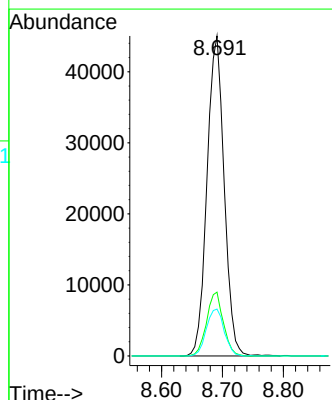
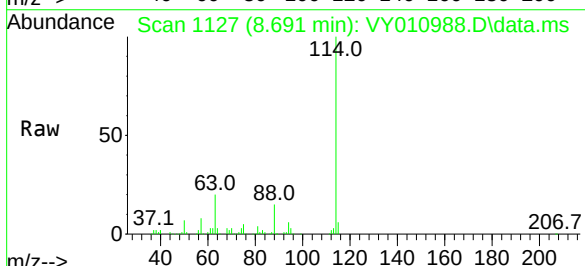
Tgt Ion: 114 Resp: 87932

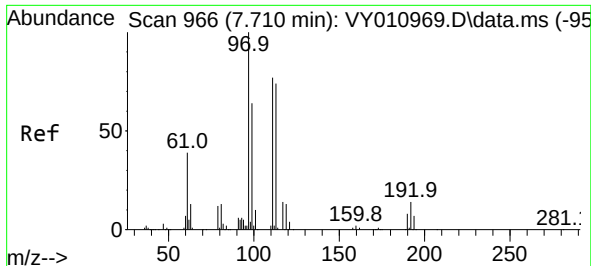
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 14.7 0.0 31.8

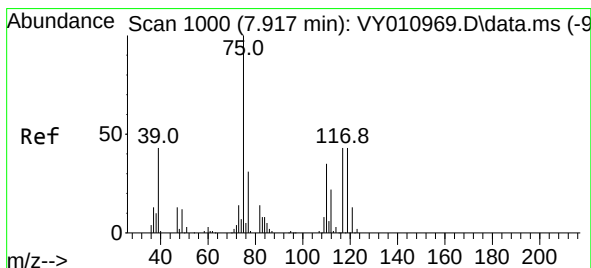
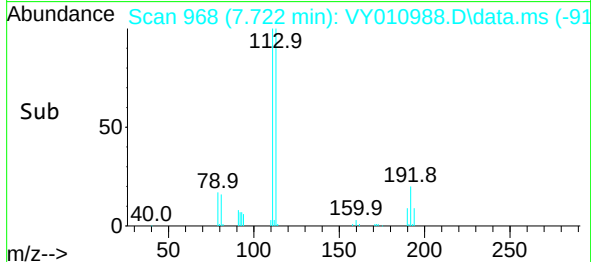
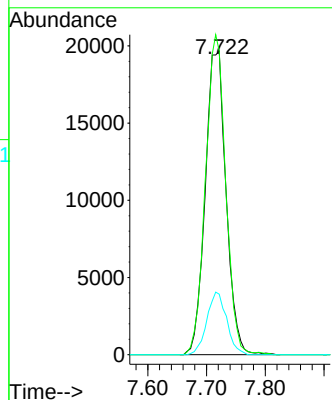
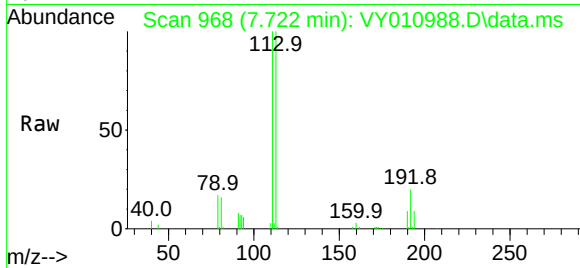




#35
Dibromofluoromethane
Concen: 101.443 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

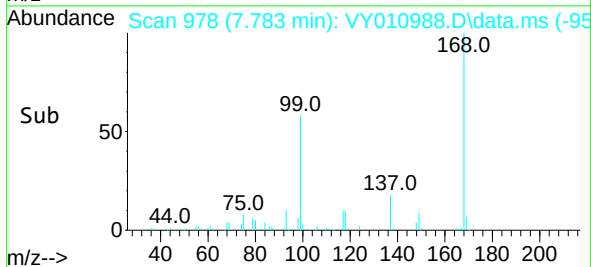
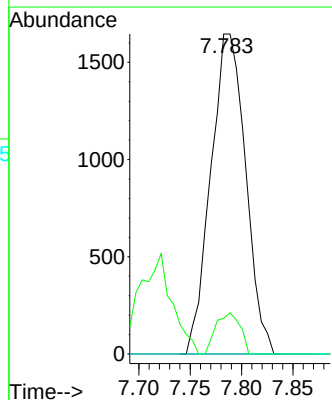
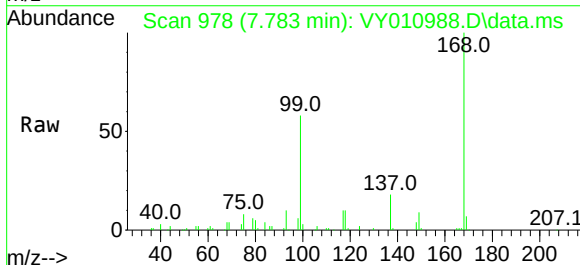
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

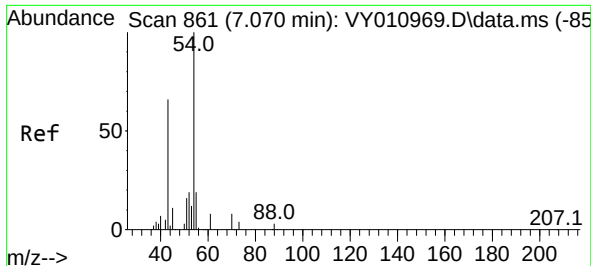
Tgt Ion:113 Resp: 48636
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 75 Resp: 3883
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 34.874 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY010988.D

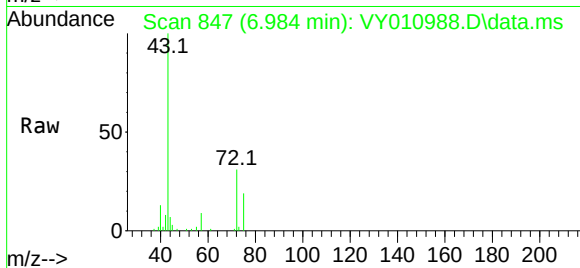
Acq: 18 Oct 2022 12:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-2RE



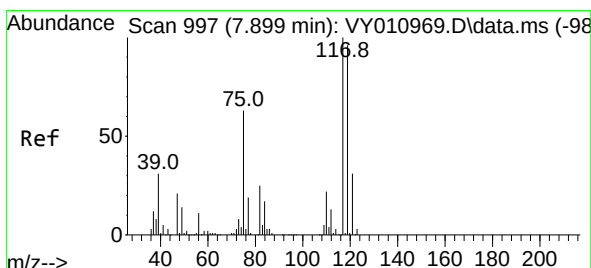
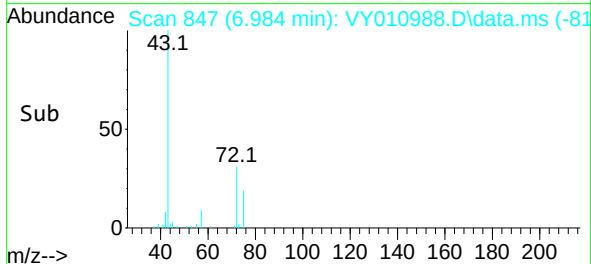
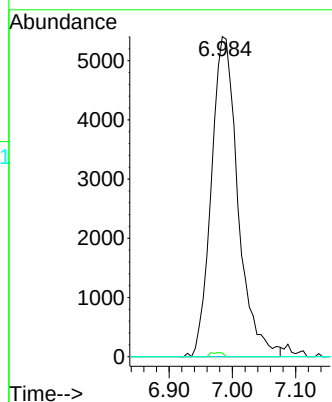
Tgt Ion: 43 Resp: 15805

Ion Ratio Lower Upper

43 100

61 0.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010988.D

Acq: 18 Oct 2022 12:14

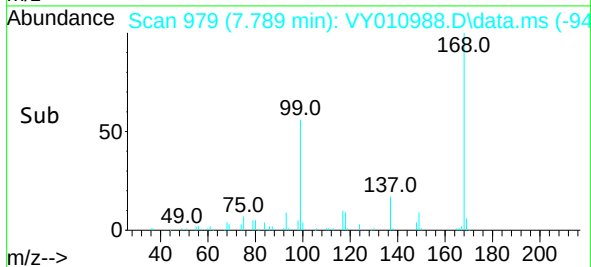
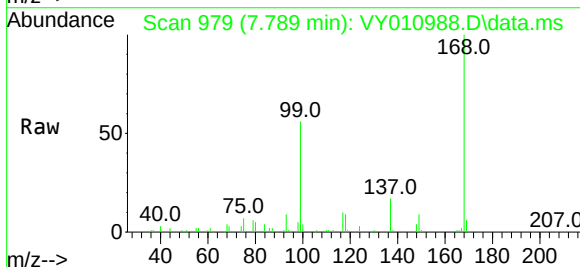
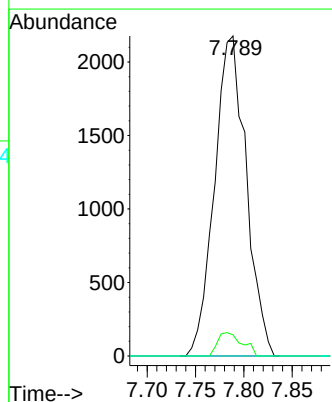
Tgt Ion: 117 Resp: 4955

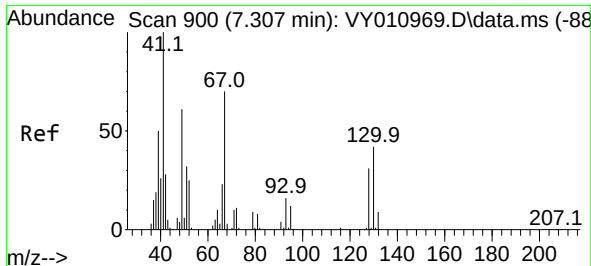
Ion Ratio Lower Upper

117 100

119 6.6 77.9 116.9#

121 0.0 24.8 37.2#

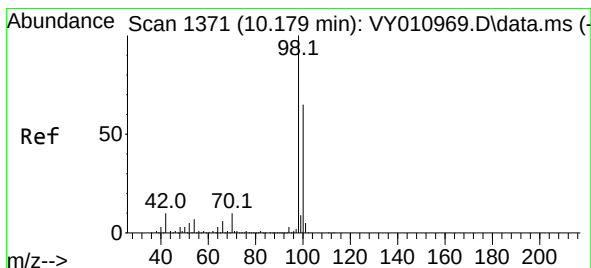
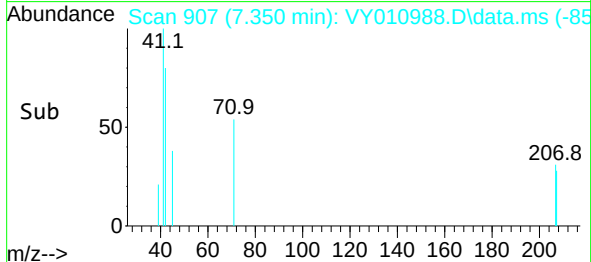
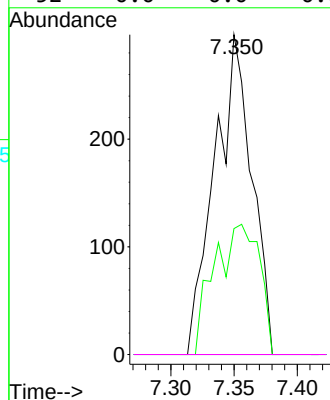
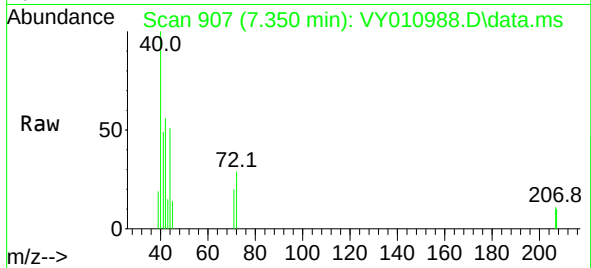




#41
Methacrylonitrile
Concen: 2.463 ug/l
RT: 7.350 min Scan# 90
Delta R.T. 0.043 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

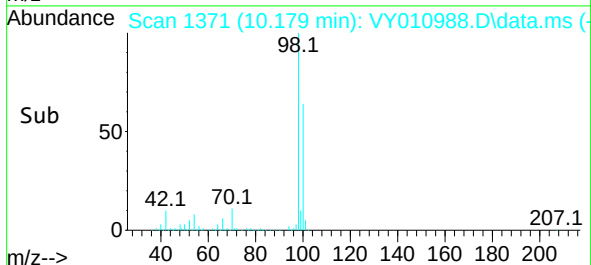
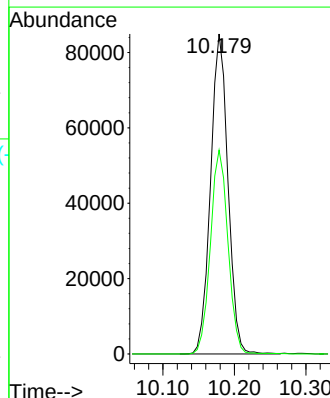
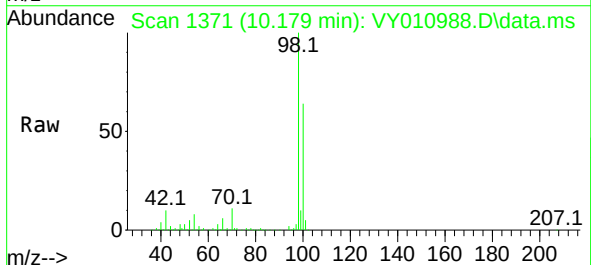
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

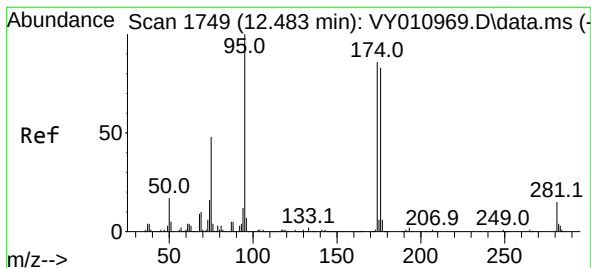
Tgt Ion: 41	Resp: 605
Ion Ratio	Lower Upper
41 100	
39 49.9	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 78.160 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 98	Resp: 143503
Ion Ratio	Lower Upper
98 100	
100 64.3	50.2 75.2

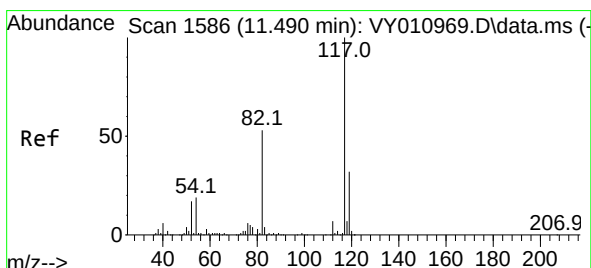
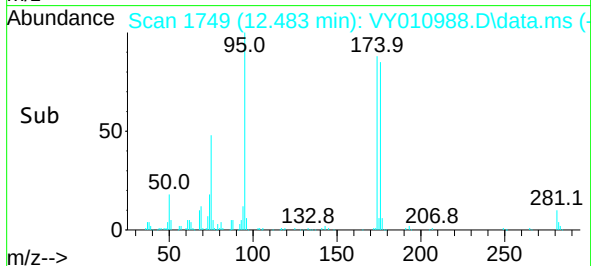
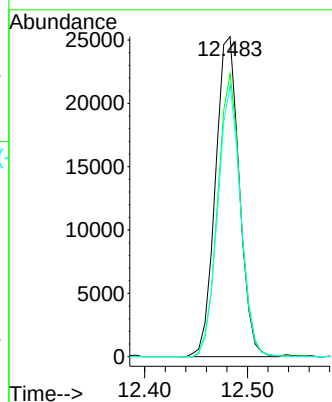
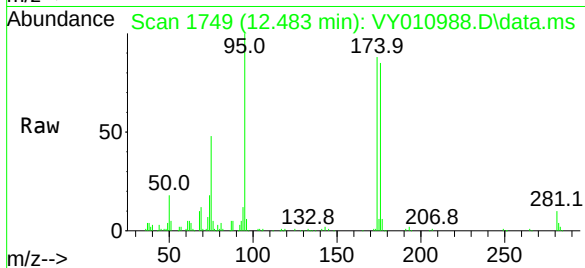




#62
4-Bromofluorobenzene
Concen: 63.257 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

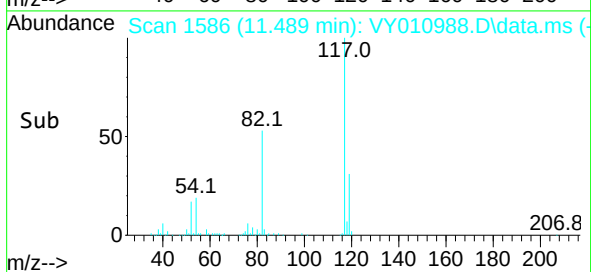
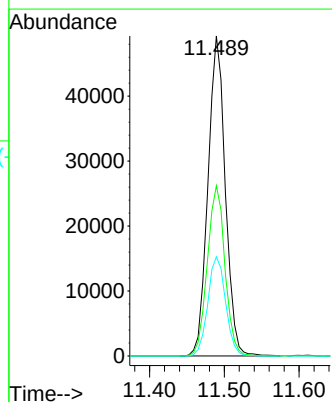
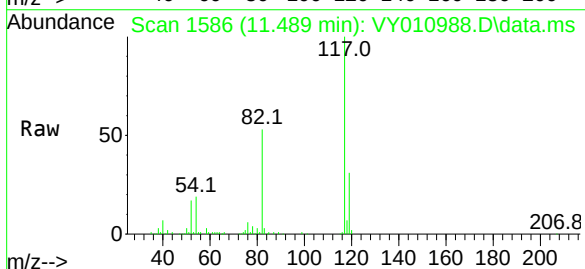
Instrument :
MSVOA_Y
ClientSampleId :
WC-2RE

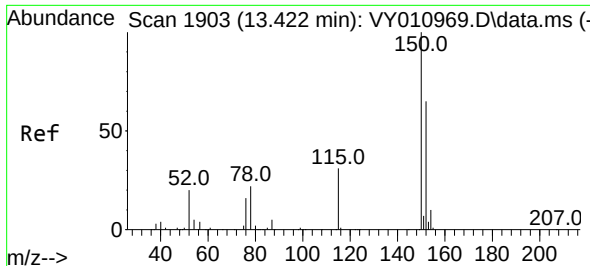
Tgt Ion: 95 Resp: 40611
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 81.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010988.D
Acq: 18 Oct 2022 12:14

Tgt Ion: 117 Resp: 79375
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.0 25.4 38.0

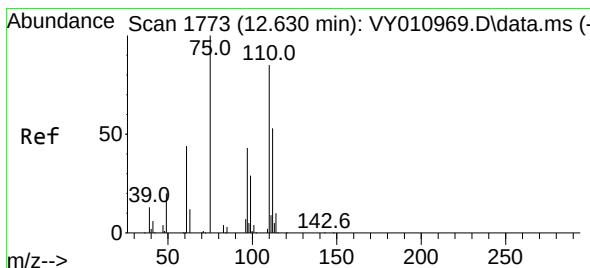
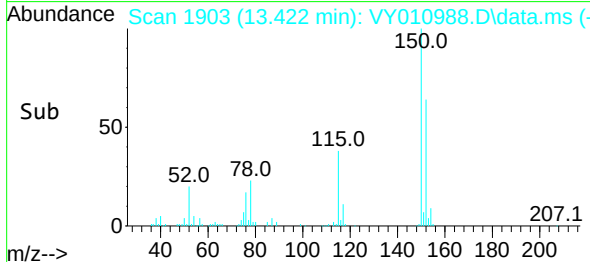
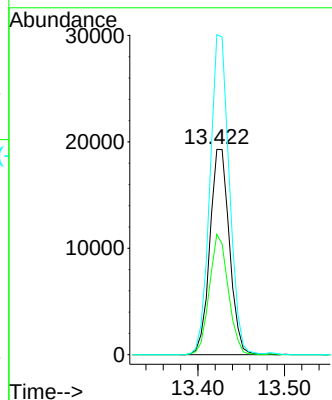
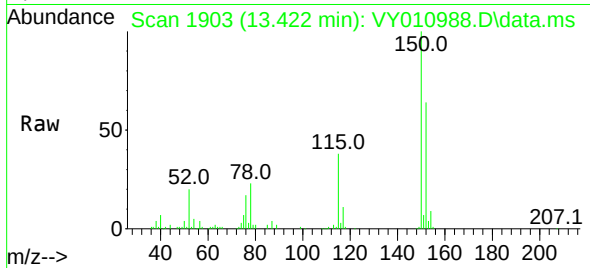




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY010988.D
 Acq: 18 Oct 2022 12:14

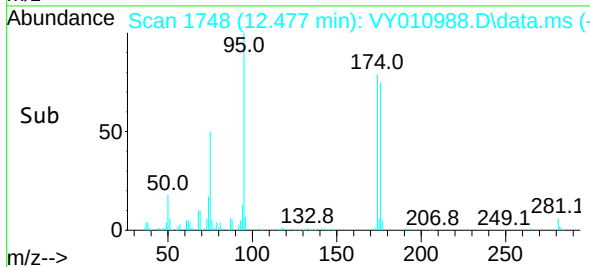
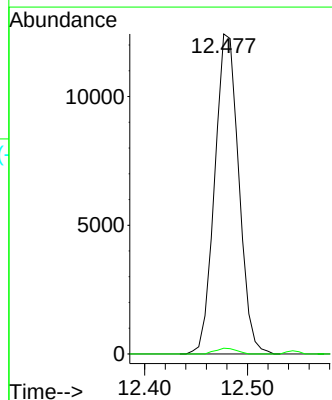
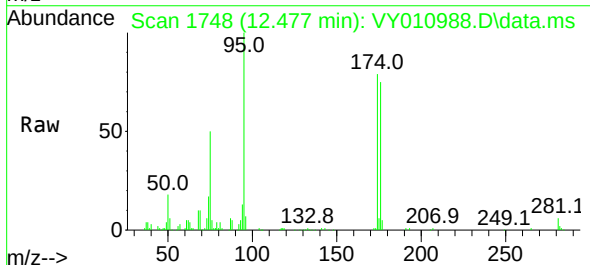
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2RE

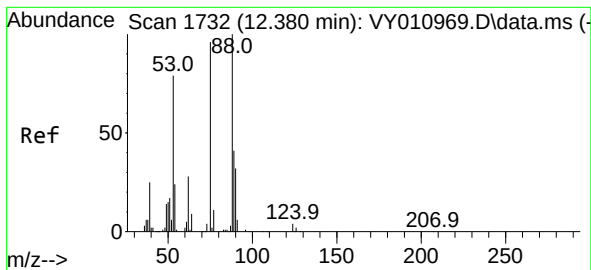
Tgt Ion:152 Resp: 30288
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 154.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 58.735 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010988.D
 Acq: 18 Oct 2022 12:14

Tgt Ion: 75 Resp: 20197
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.323 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010988.D
 Acq: 18 Oct 2022 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2RE

Tgt Ion: 75 Resp: 20197
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

