

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011202.D
 Acq On : 31 Oct 2022 17:11
 Operator : KP/MD
 Sample : N5371-01
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-6-WC

Quant Time: Nov 01 02:45:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

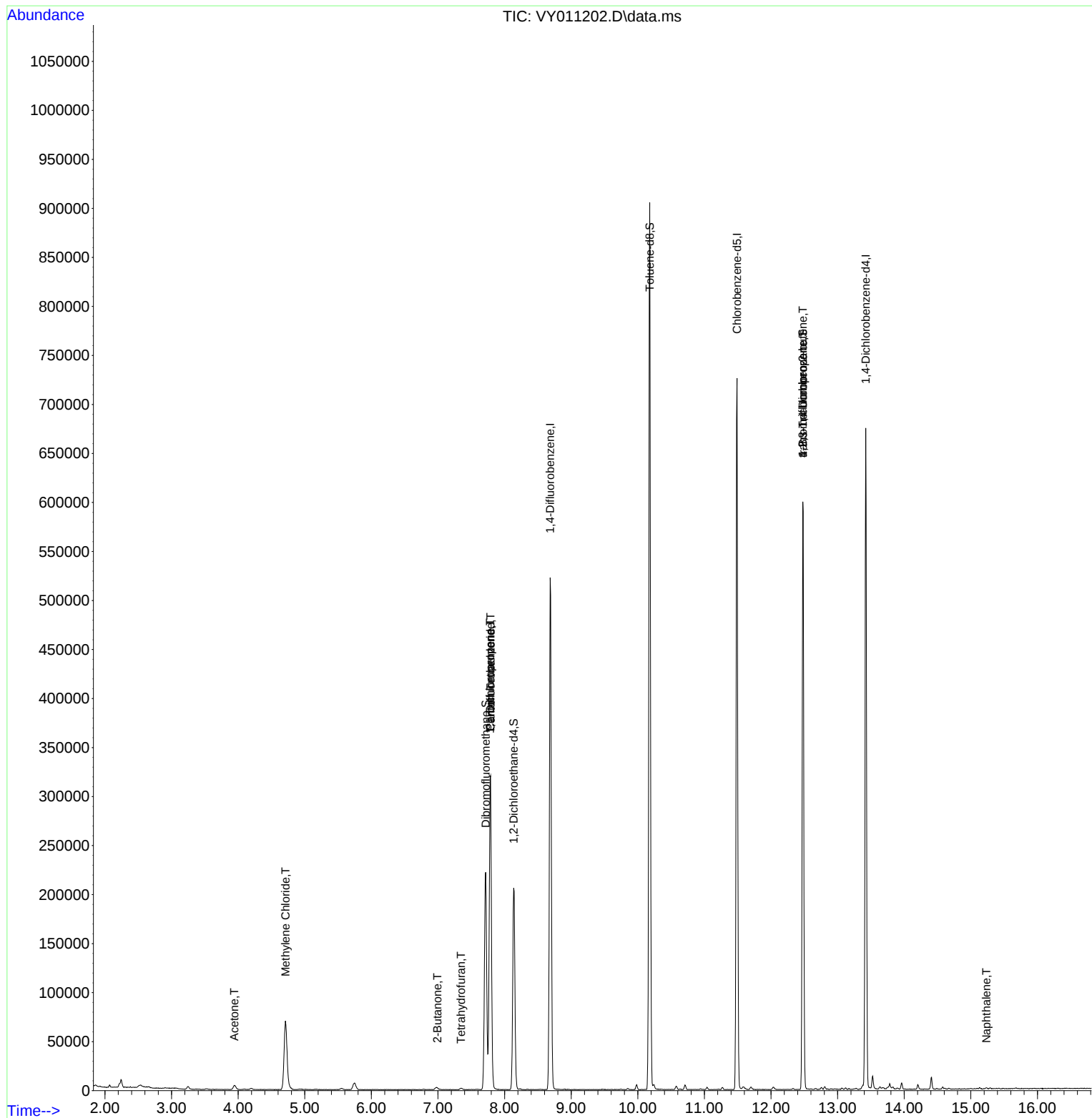
Internal Standards						
1) Pentafluorobenzene	7.789	168	249295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	452037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	398165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	162283	62.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.920%	
35) Dibromofluoromethane	7.716	113	159505	57.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.760%	
50) Toluene-d8	10.179	98	591177	53.680	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.360%	
62) 4-Bromofluorobenzene	12.477	95	186664	51.801	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	295	Below Cal	#	44
4) Vinyl Chloride	2.503	62	23	Below Cal	#	43
5) Bromomethane	2.656	94	273	Below Cal		97
11) Tert butyl alcohol	4.936	59	685	Below Cal	#	77
16) Acetone	3.942	43	7658	12.142	ug/l #	74
17) Carbon Disulfide	4.198	76	1552	Below Cal		97
18) Methyl Acetate	4.485	43	329	Below Cal	#	56
20) Methylene Chloride	4.710	84	54657	16.466	ug/l	86
25) 2-Butanone	6.990	43	1873	2.072	ug/l	99
29) Tetrahydrofuran	7.344	42	1130	2.098	ug/l #	90
31) Cyclohexane	7.789	56	5150	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	19312	5.329	ug/l #	50
38) Carbon Tetrachloride	7.789	117	25132	6.367	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	93131	51.720	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	93131	109.837	ug/l #	7
95) Naphthalene	15.233	128	1358	4.554	ug/l #	92

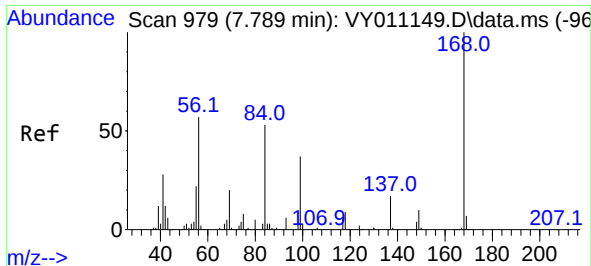
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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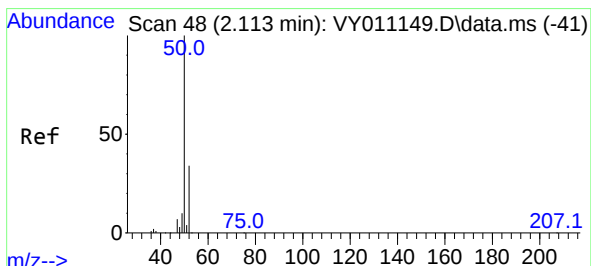
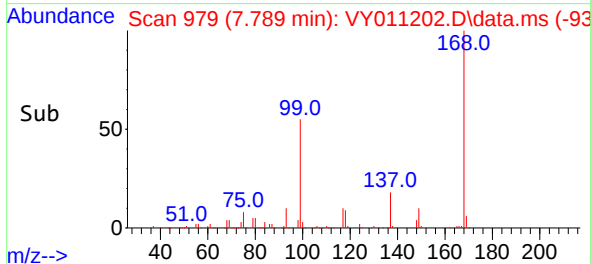
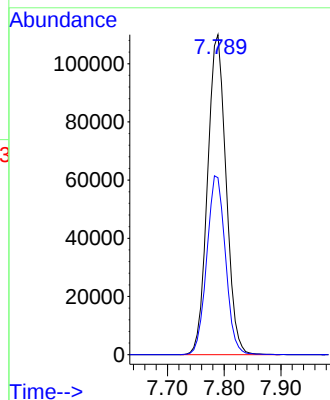
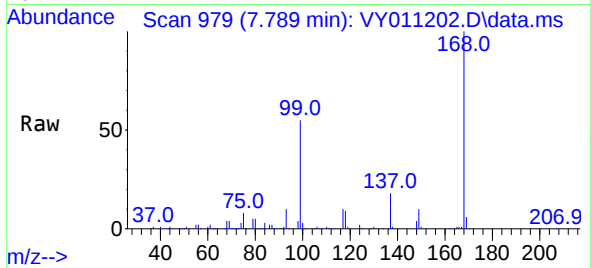




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

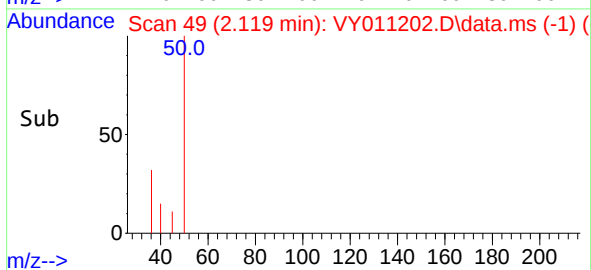
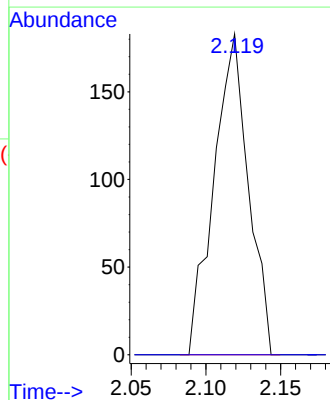
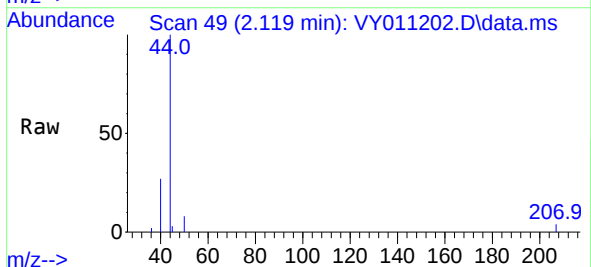
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

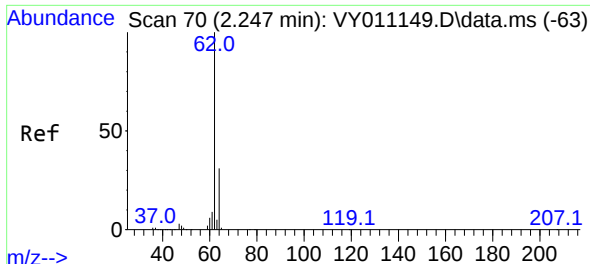
Tgt Ion:168 Resp: 249295
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

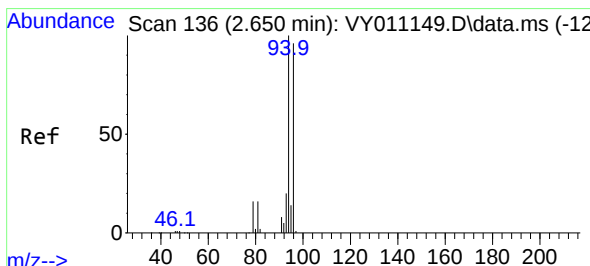
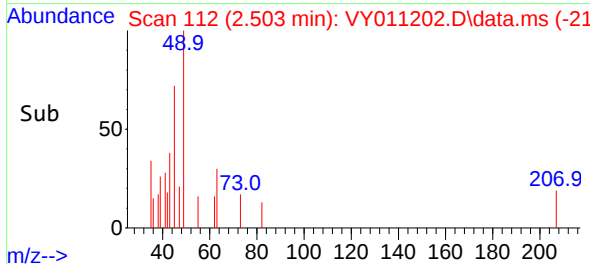
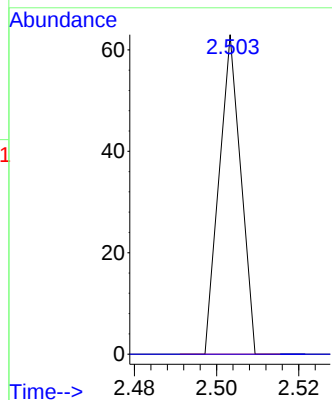
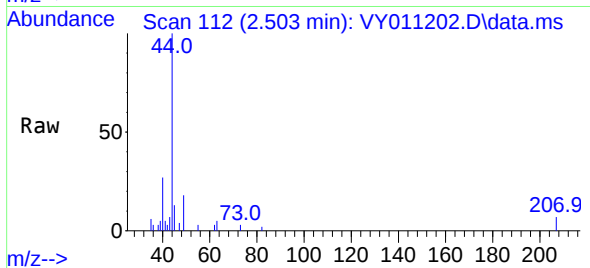




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.503 min Scan# 11
 Delta R.T. 0.256 min
 Lab File: VY011202.D
 Acq: 31 Oct 2022 17:11

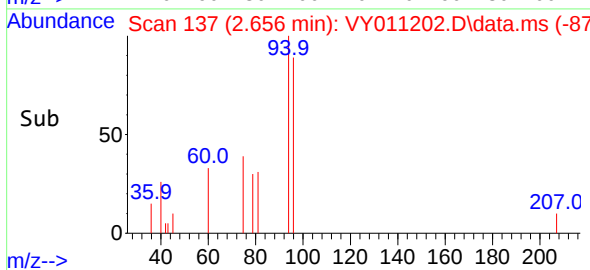
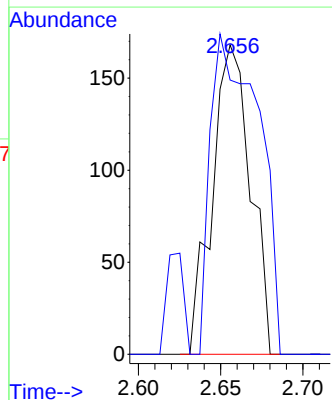
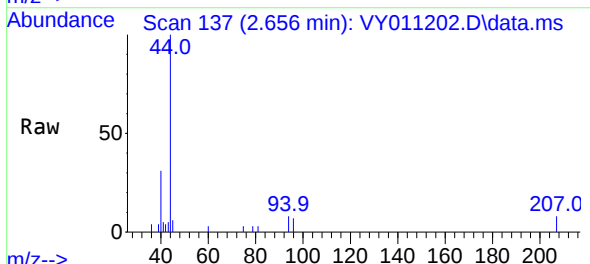
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-6-WC

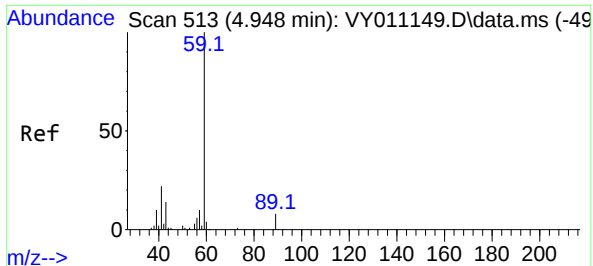
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY011202.D
 Acq: 31 Oct 2022 17:11

Tgt Ion: 94 Resp: 273
 Ion Ratio Lower Upper
 94 100
 96 88.7 73.5 110.3

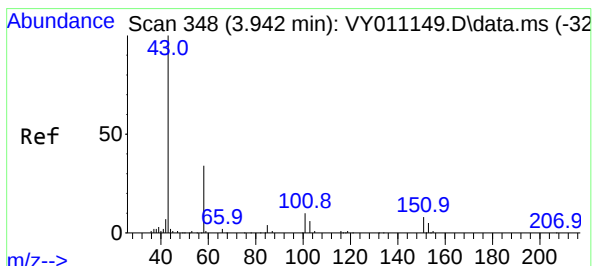
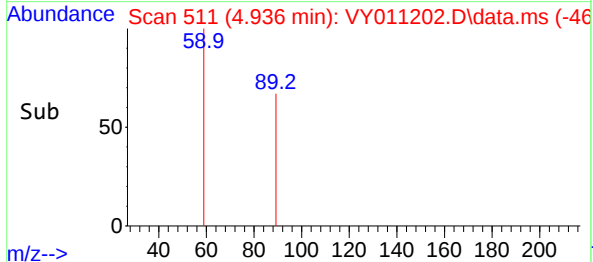
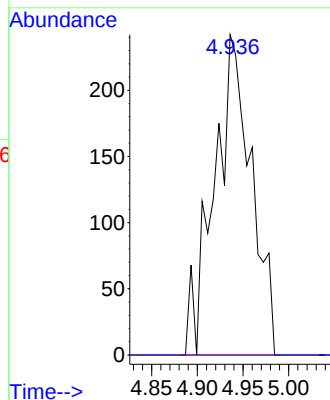
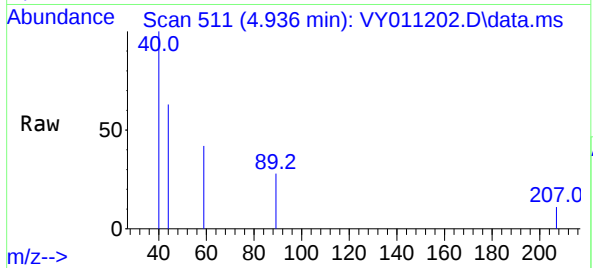




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

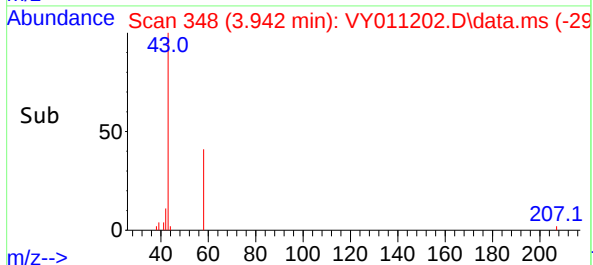
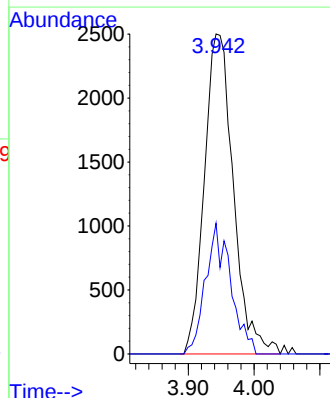
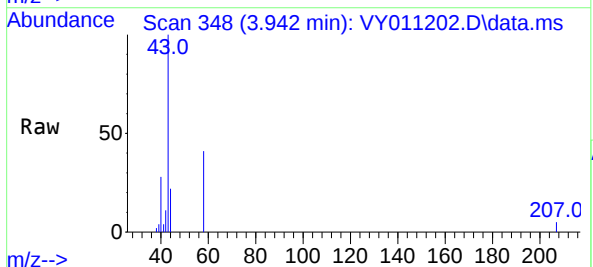
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

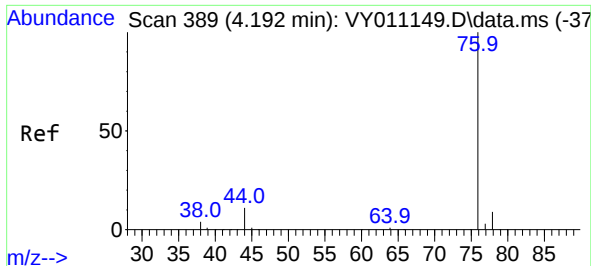
Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 12.142 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 43 Resp: 7658
Ion Ratio Lower Upper
43 100
58 40.9 22.0 33.0#

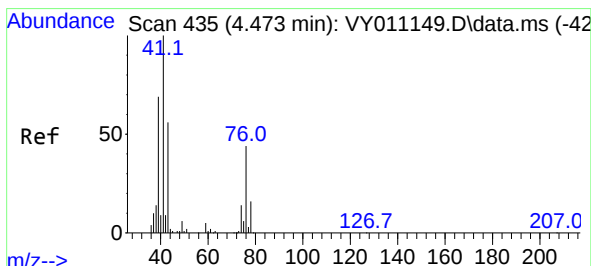
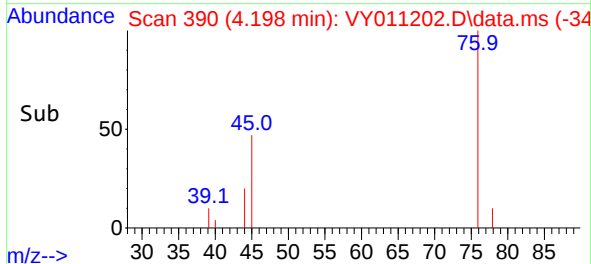
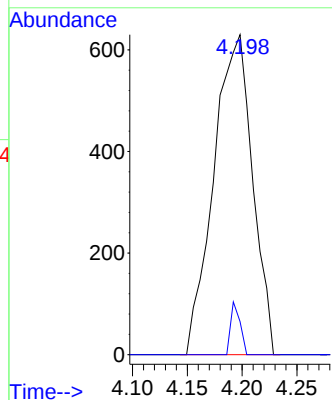
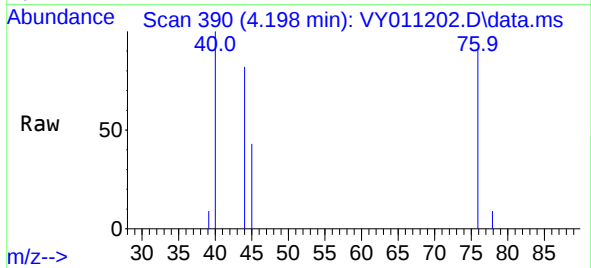




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

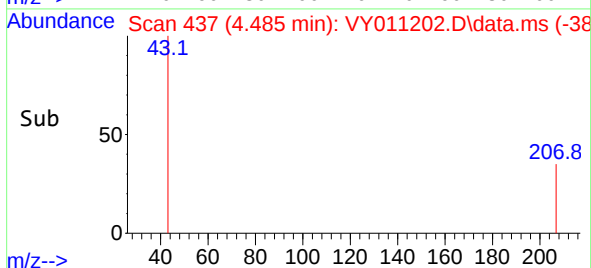
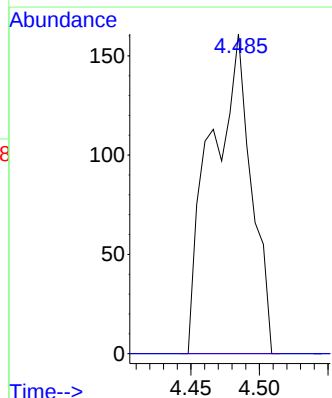
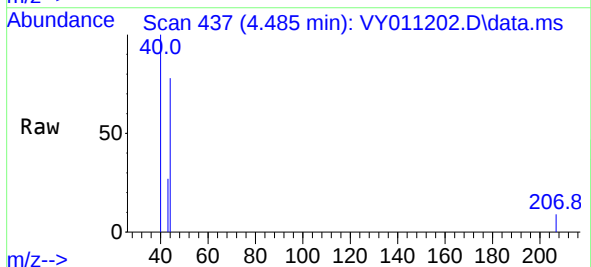
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

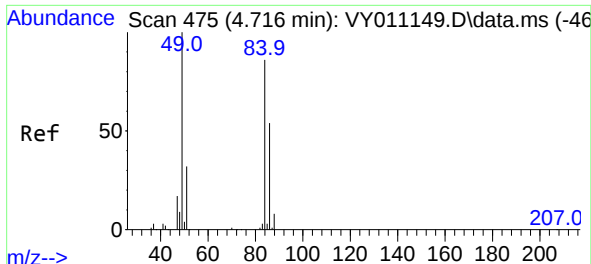
Tgt Ion: 76 Resp: 1552
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



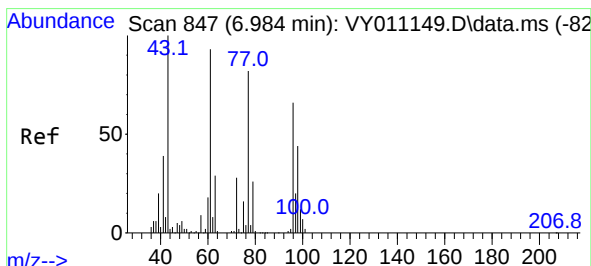
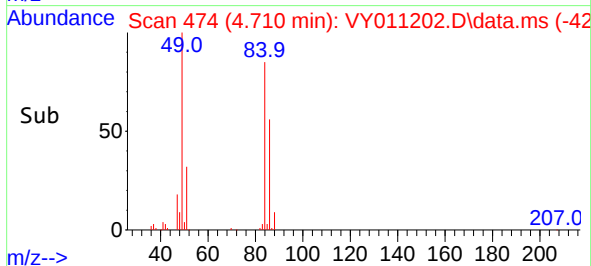
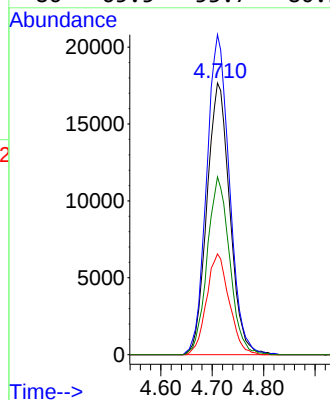
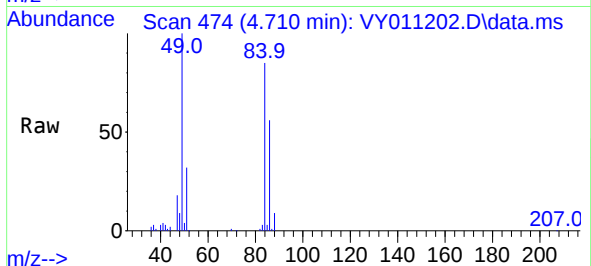


#20
Methylene Chloride
Concen: 16.466 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

Tgt Ion: 84 Resp: 54657

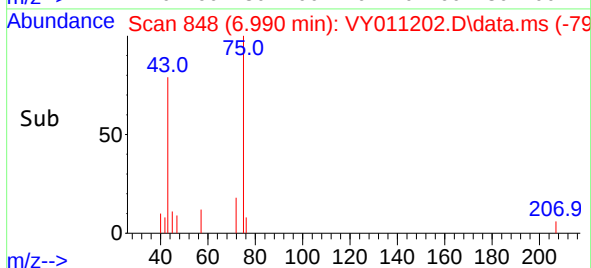
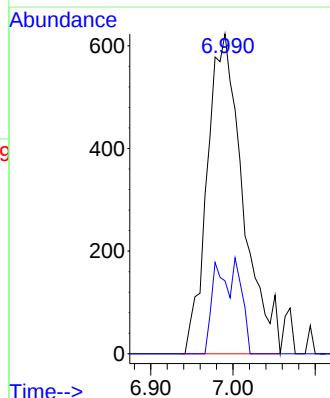
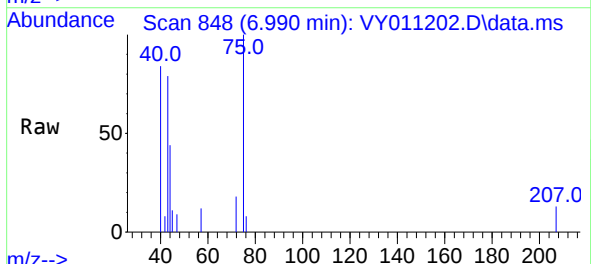
Ion	Ratio	Lower	Upper
84	100		
49	117.8	114.4	171.6
51	37.1	35.3	52.9
86	65.5	53.7	80.5

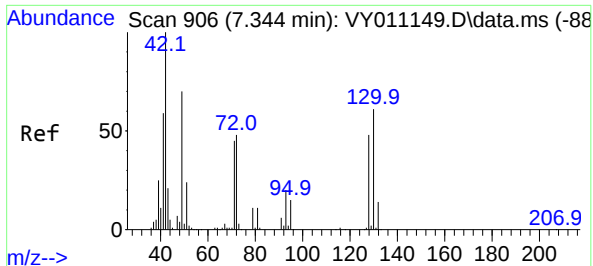


#25
2-Butanone
Concen: 2.072 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 43 Resp: 1873

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.7	26.5

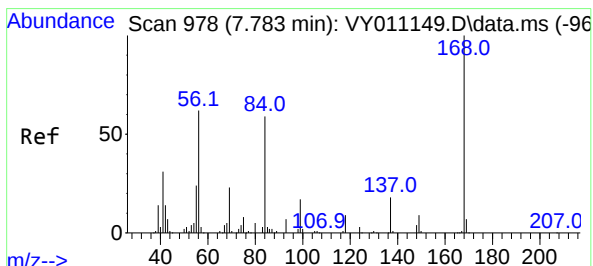
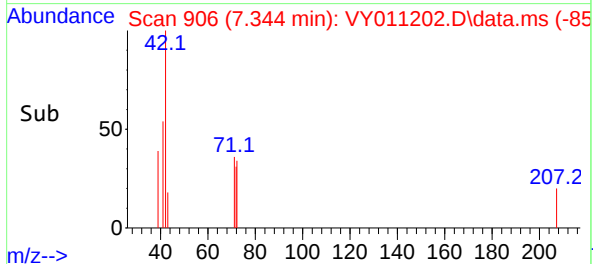
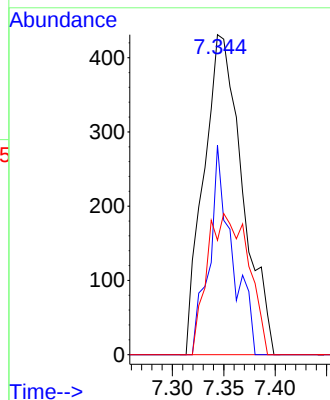
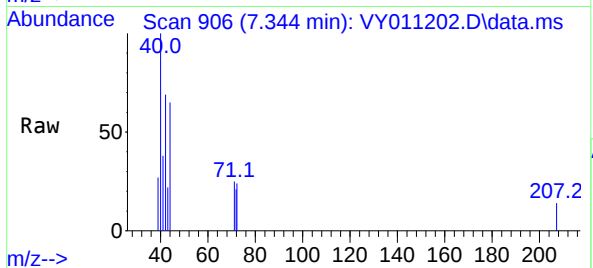




#29
Tetrahydrofuran
Concen: 2.098 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

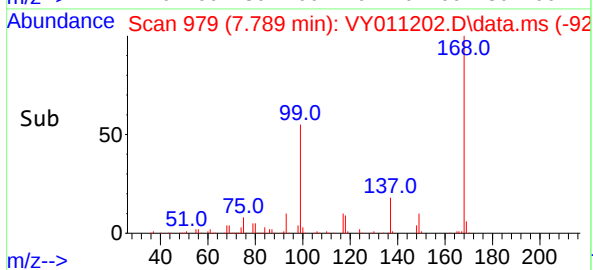
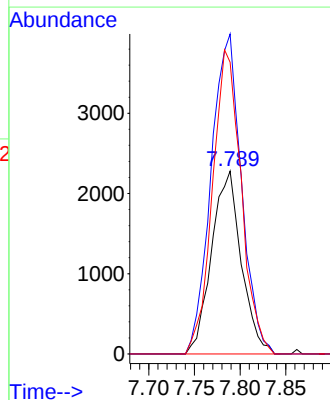
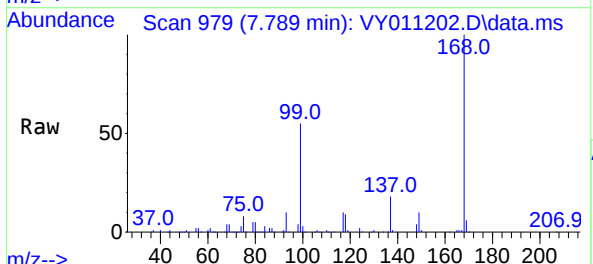
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

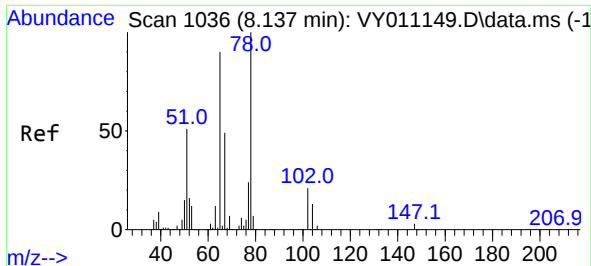
Tgt Ion:	42	Resp:	1130
Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.3	45.5
71	47.1	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion:	56	Resp:	5150
Ion	Ratio	Lower	Upper
56	100		
69	175.0	26.7	40.1#
84	159.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.955 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011202.D

Acq: 31 Oct 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

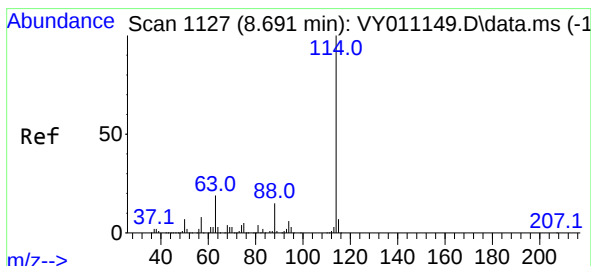
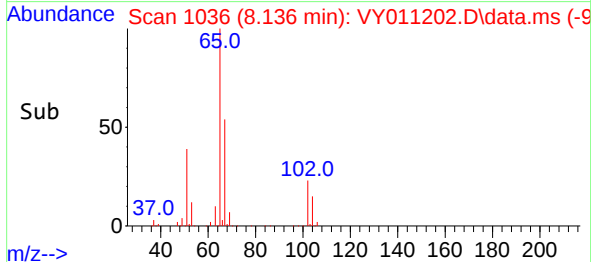
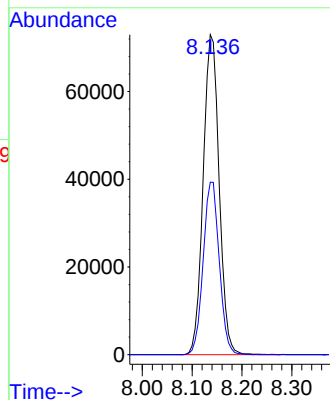
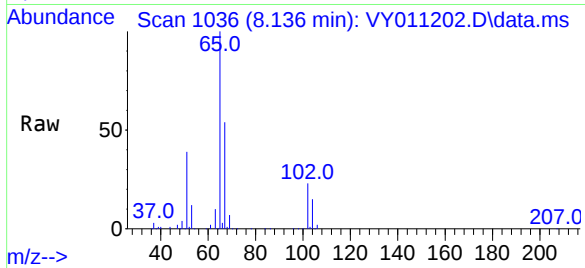
MH-6-WC

Tgt Ion: 65 Resp: 162283

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011202.D

Acq: 31 Oct 2022 17:11

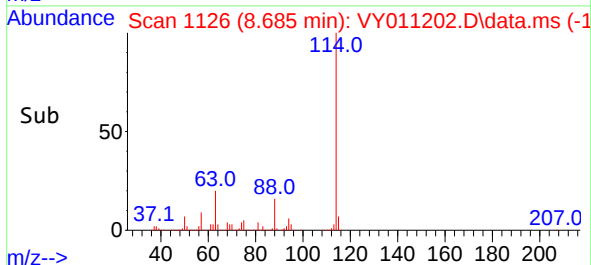
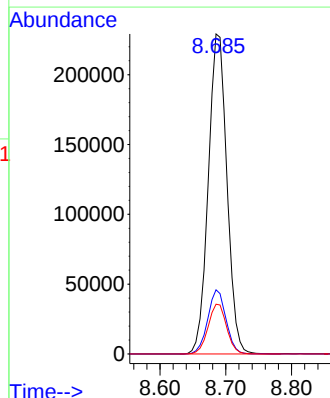
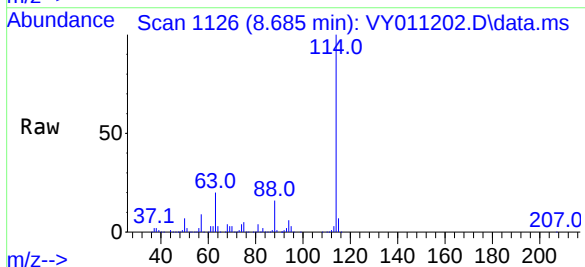
Tgt Ion: 114 Resp: 452037

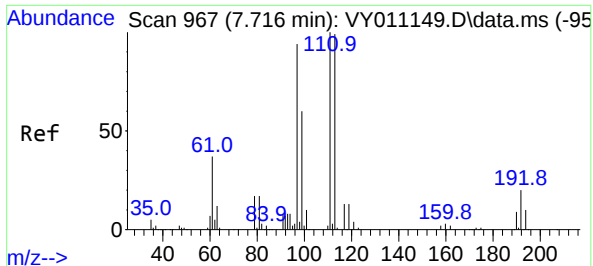
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.6 0.0 31.8

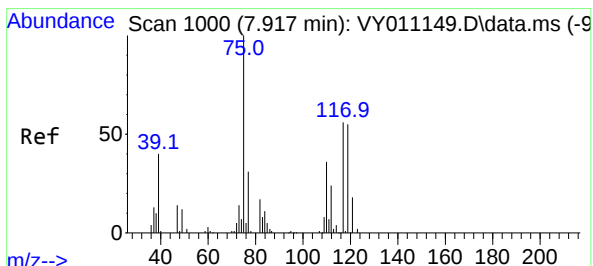
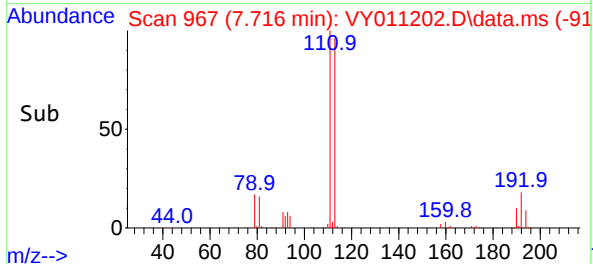
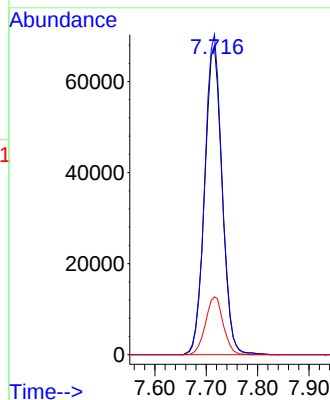
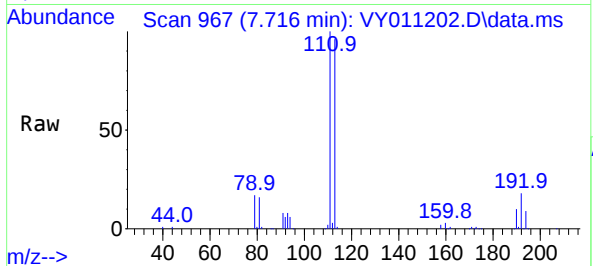




#35
Dibromofluoromethane
Concen: 57.379 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

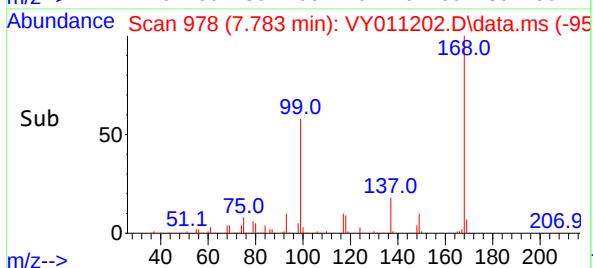
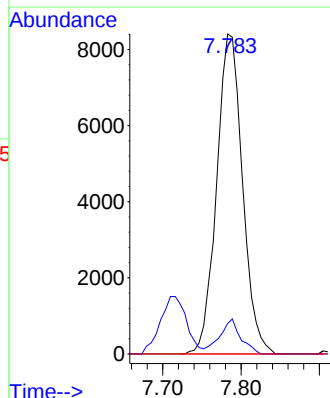
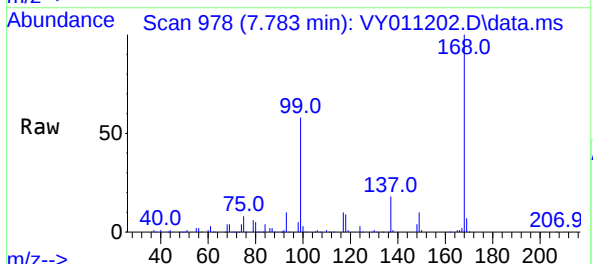
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

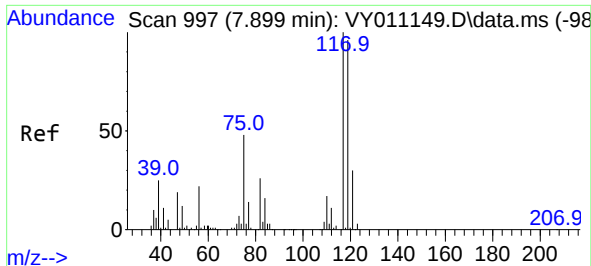
Tgt Ion:113 Resp: 159505
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 75 Resp: 19312
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

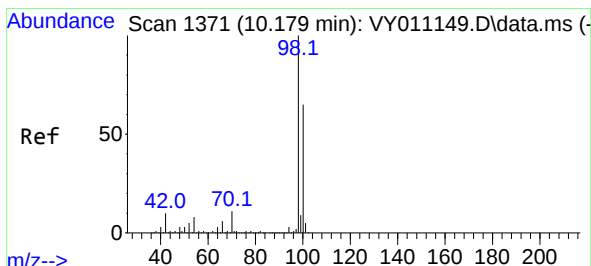
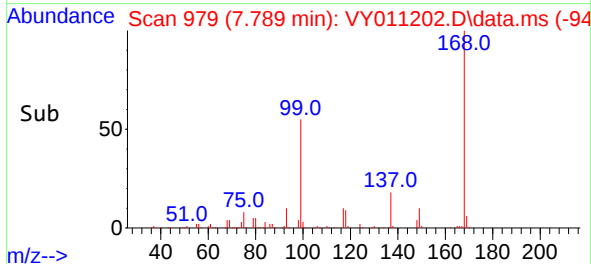
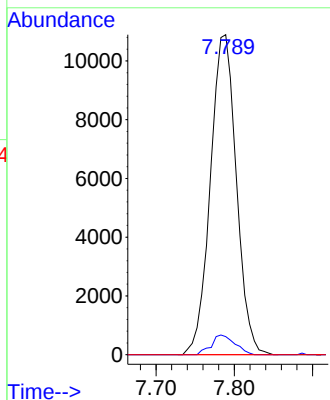
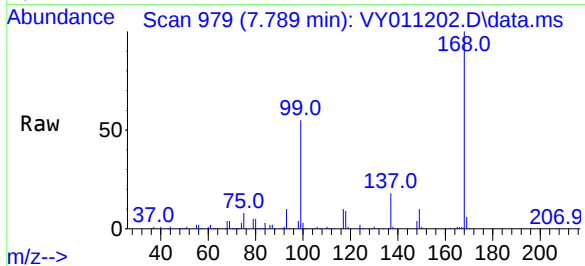




#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

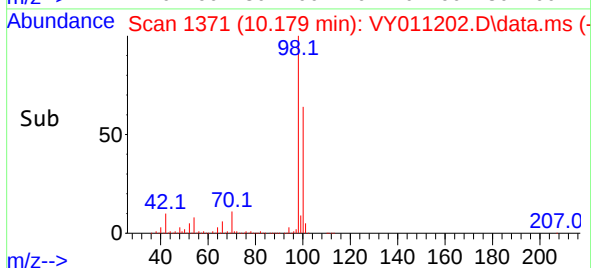
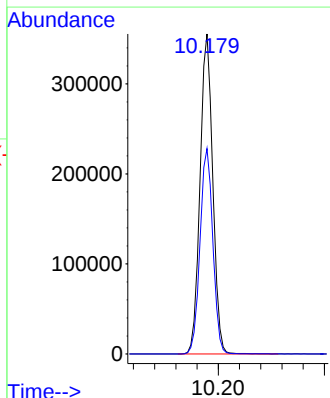
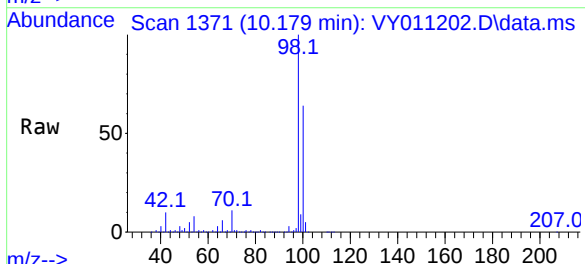
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

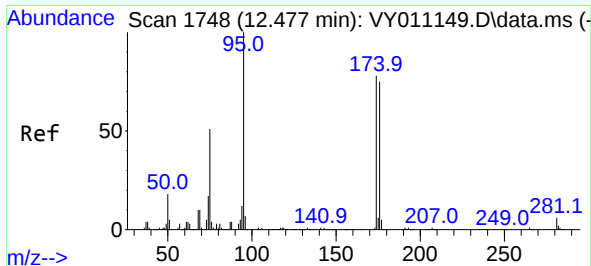
Tgt Ion:117 Resp: 25132
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.680 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 98 Resp: 591177
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

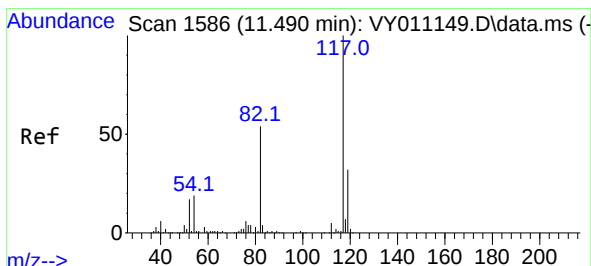
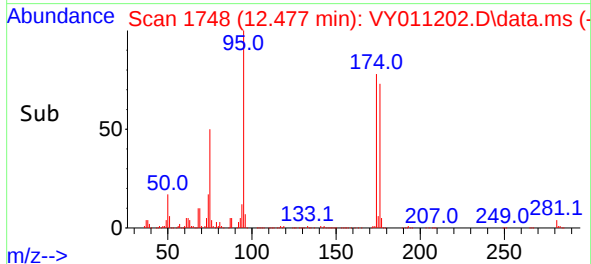
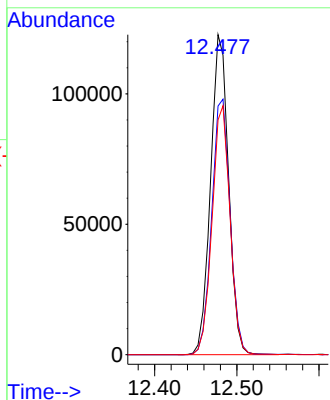
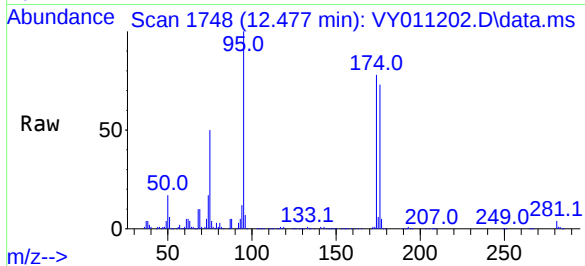




#62
4-Bromofluorobenzene
Concen: 51.801 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

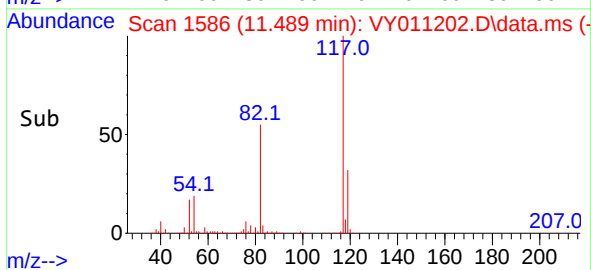
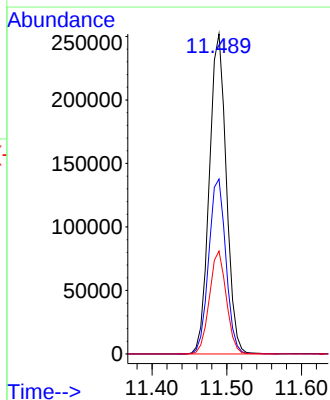
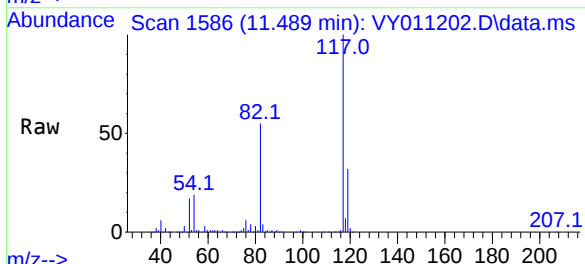
Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

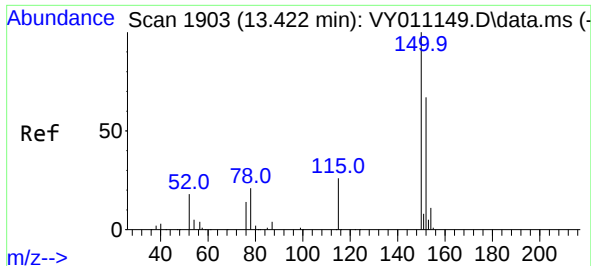
Tgt Ion: 95 Resp: 186664
Ion Ratio Lower Upper
95 100
174 81.5 0.0 177.0
176 77.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion: 117 Resp: 398165
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.2 25.4 38.0

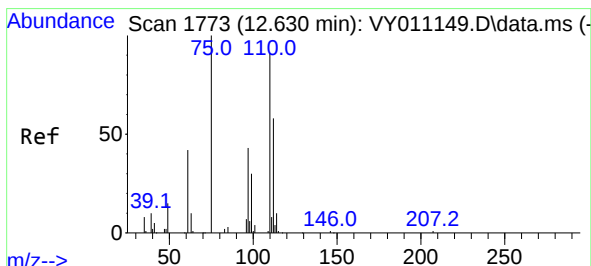
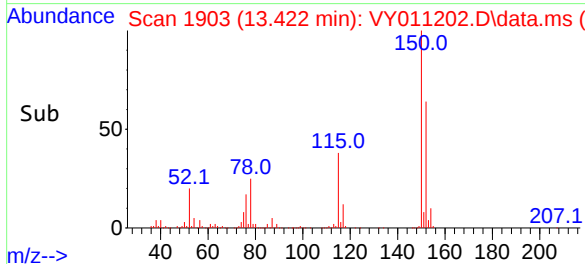
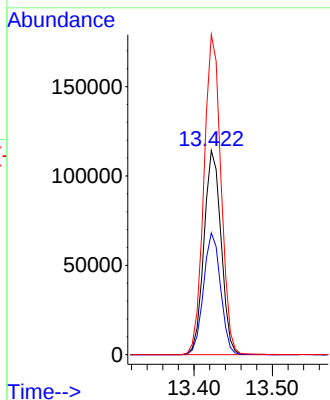
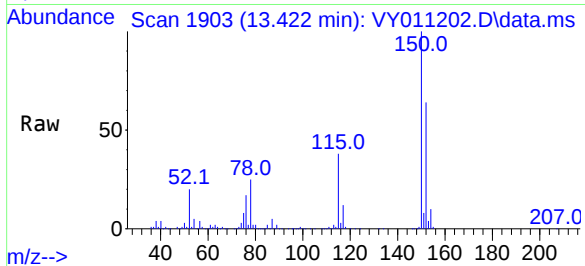




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011202.D
 Acq: 31 Oct 2022 17:11

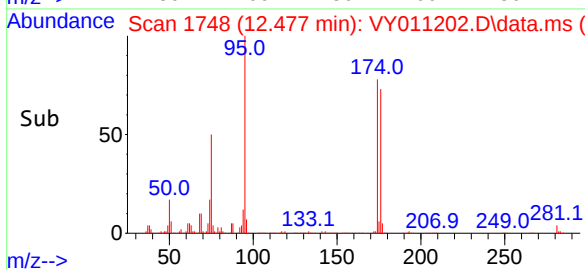
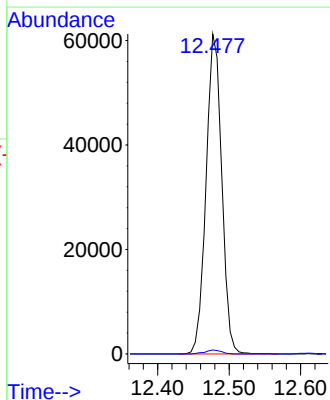
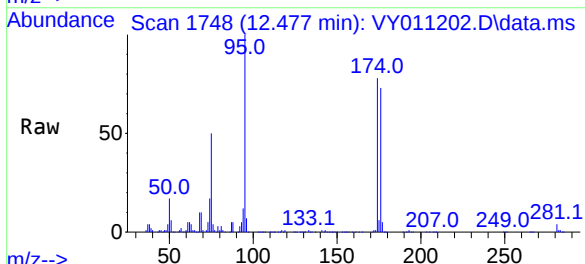
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-6-WC

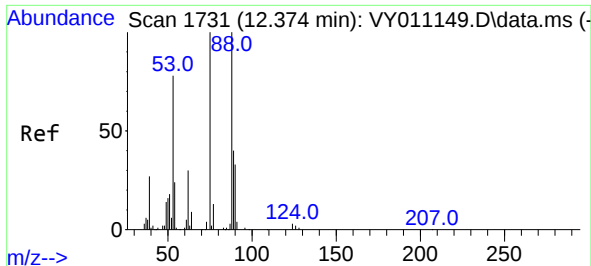
Tgt Ion:152 Resp: 173196
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.2 84.7
 150 156.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.720 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011202.D
 Acq: 31 Oct 2022 17:11

Tgt Ion: 75 Resp: 93131
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

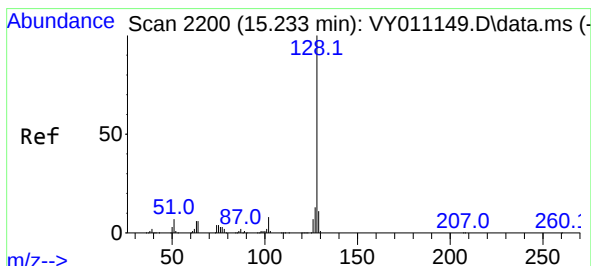
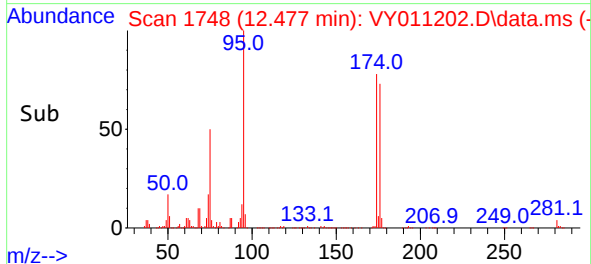
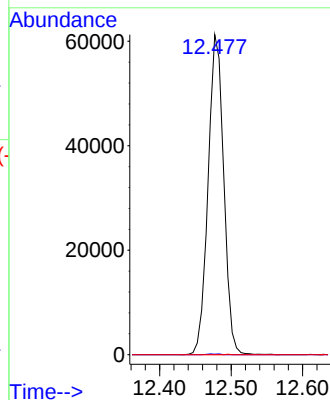
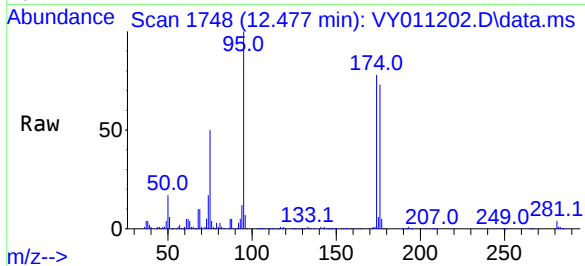




#81
trans-1,4-Dichloro-2-butene
Concen: 109.837 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Instrument :
MSVOA_Y
ClientSampleId :
MH-6-WC

Tgt Ion: 75 Resp: 93131
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.554 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011202.D
Acq: 31 Oct 2022 17:11

Tgt Ion:128 Resp: 1358
Ion Ratio Lower Upper
128 100
127 11.0 11.0 16.4
129 6.9 8.4 12.6#

