

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011165.D
 Acq On : 28 Oct 2022 18:26
 Operator : KP/MD
 Sample : N5332-01
 Misc : 6.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-4-WC

Quant Time: Oct 28 23:47:04 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)

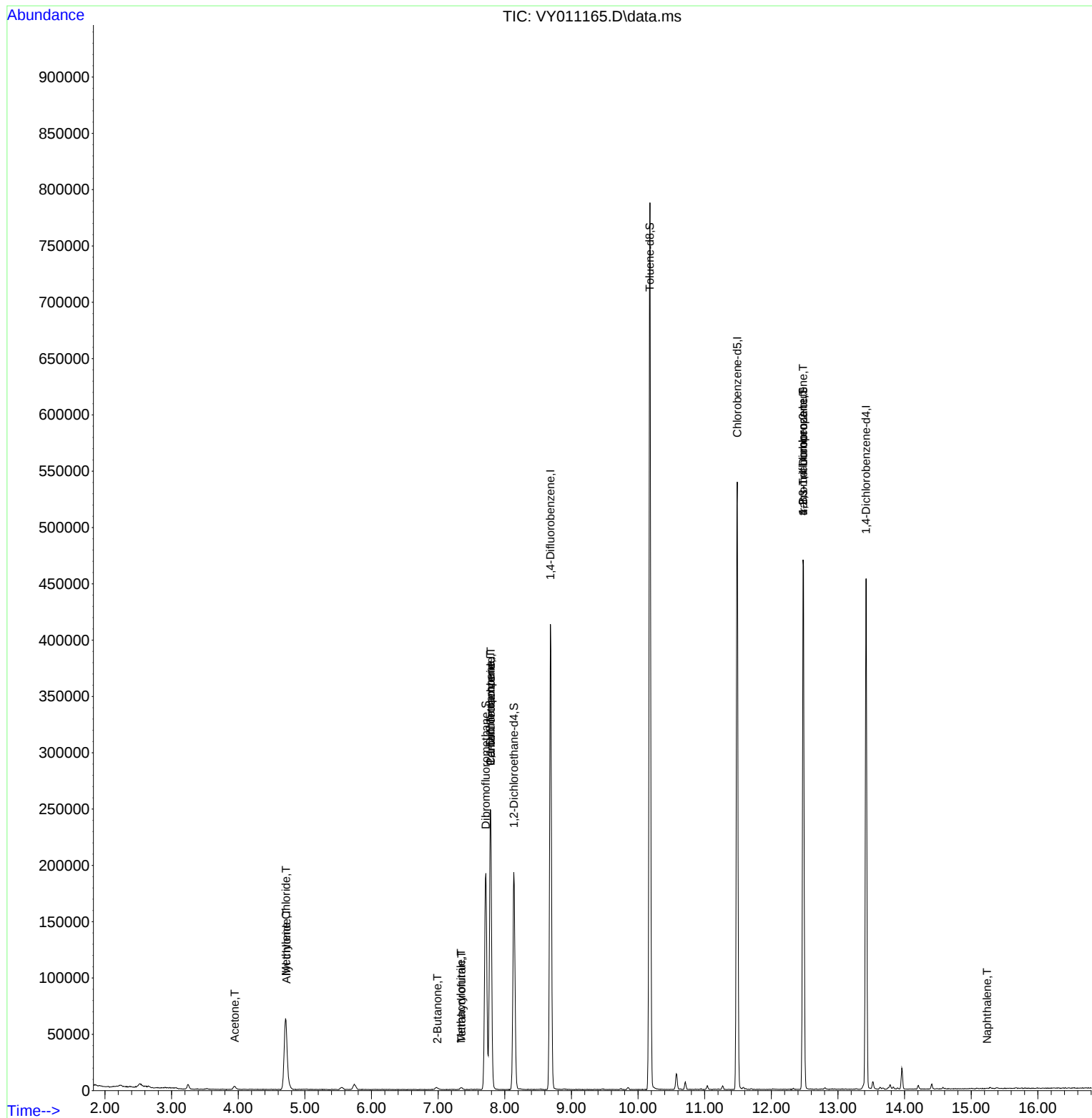
Internal Standards						
1) Pentafluorobenzene	7.789	168	195601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	354543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	303292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	150327	74.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.660%			
35) Dibromofluoromethane	7.716	113	140123	64.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.540%			
50) Toluene-d8	10.179	98	517255	59.884	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 119.760%			
62) 4-Bromofluorobenzene	12.477	95	142381	50.377	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	29	Below Cal	#	43
3) Chloromethane	2.113	50	261	Below Cal	#	44
4) Vinyl Chloride	2.119	62	19	Below Cal	#	43
5) Bromomethane	2.662	94	362	Below Cal		95
6) Chloroethane	2.814	64	24	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	219	Below Cal	#	77
14) Allyl chloride	4.722	41	2535	1.039	ug/l #	22
16) Acetone	3.948	43	5046	10.197	ug/l #	80
17) Carbon Disulfide	4.174	76	33	Below Cal	#	75
18) Methyl Acetate	4.472	43	167	Below Cal	#	56
20) Methylene Chloride	4.716	84	49871	20.421	ug/l #	83
25) 2-Butanone	6.990	43	1100	1.551	ug/l	99
29) Tetrahydrofuran	7.350	42	1392	3.294	ug/l	94
31) Cyclohexane	7.783	56	3878	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	15211	5.351	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19679	6.356	ug/l #	16
41) Methacrylonitrile	7.344	41	855	1.017	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	69685	57.656	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69685	122.442	ug/l #	7
95) Naphthalene	15.239	128	529	4.470	ug/l #	69

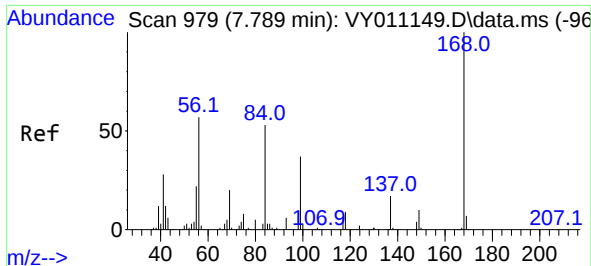
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011165.D
Acq On : 28 Oct 2022 18:26
Operator : KP/MD
Sample : N5332-01
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

Quant Time: Oct 28 23:47:04 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

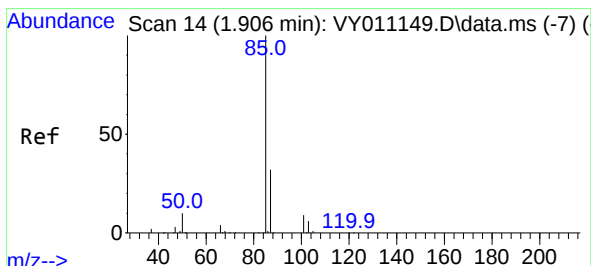
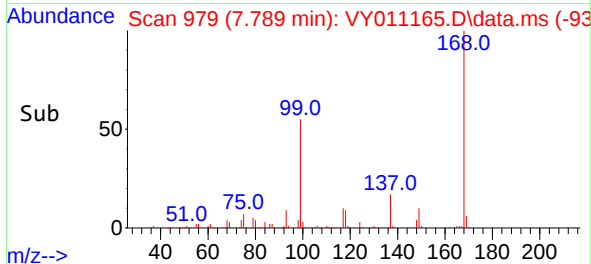
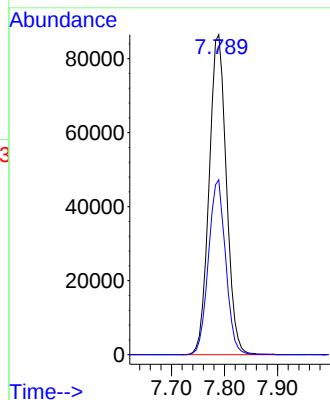
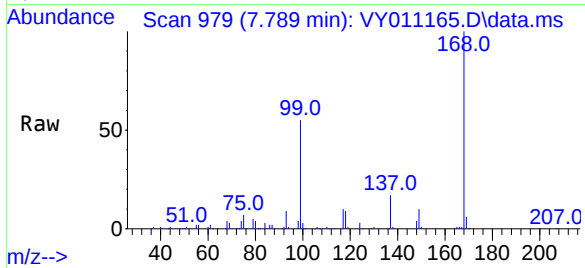




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

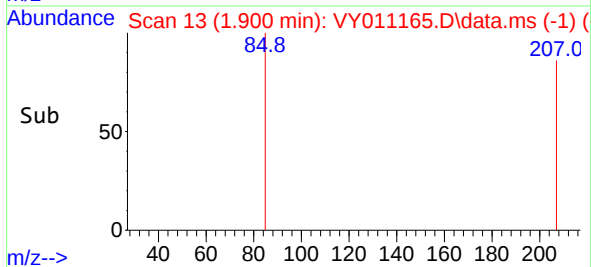
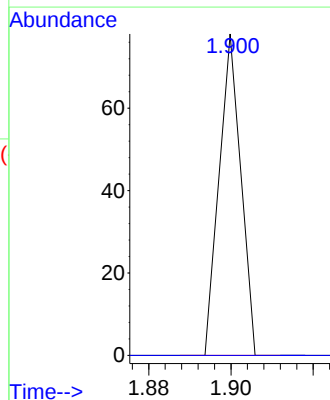
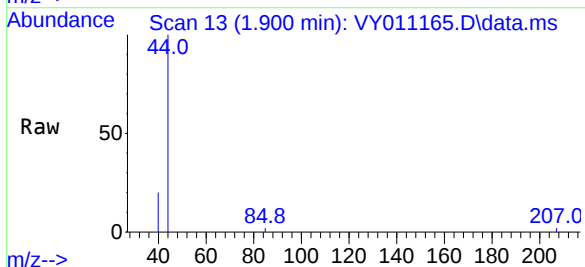
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

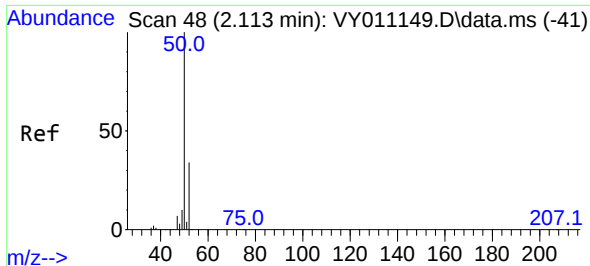
Tgt Ion:168 Resp: 195601
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 85 Resp: 29
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

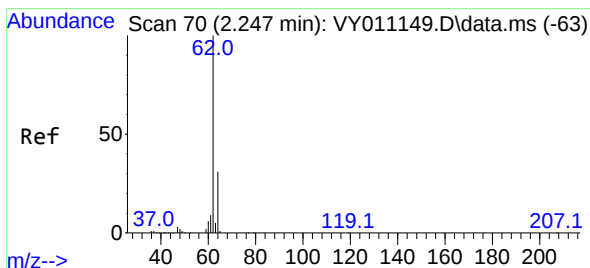
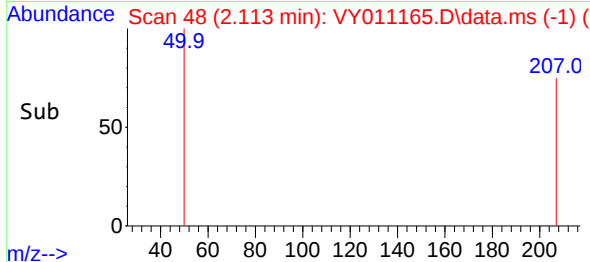
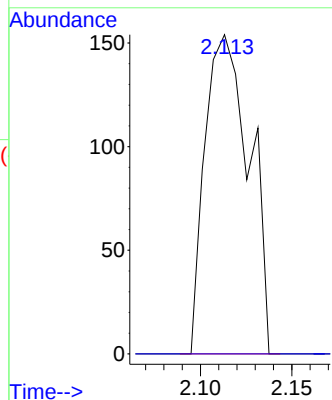
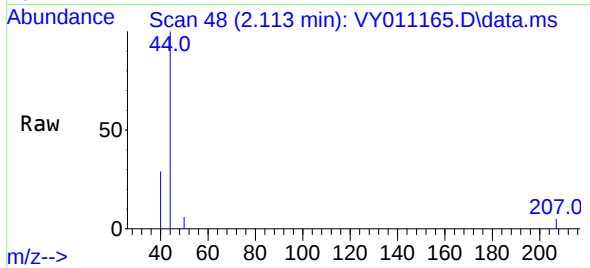




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

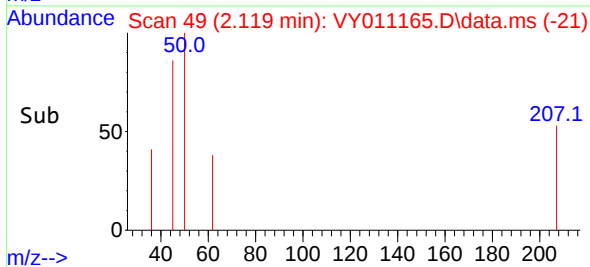
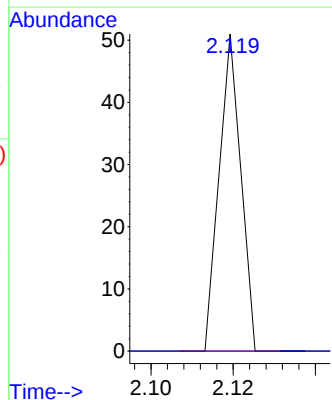
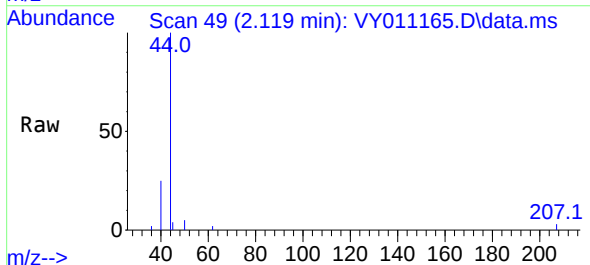
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

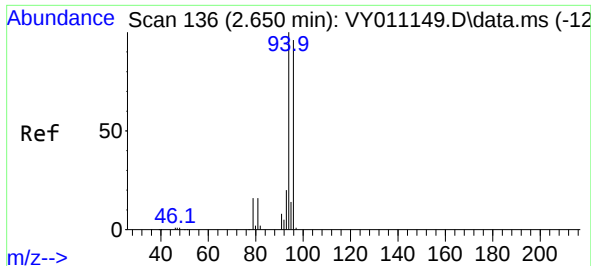
Tgt Ion: 50 Resp: 261
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. -0.128 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

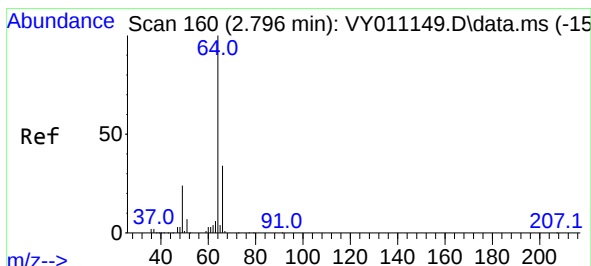
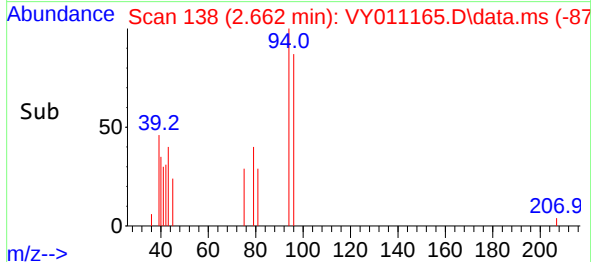
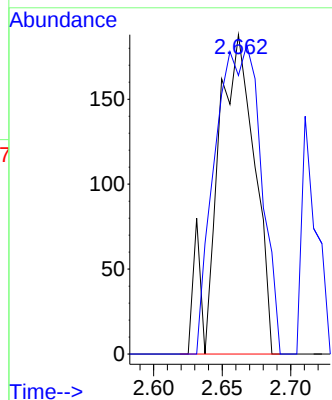
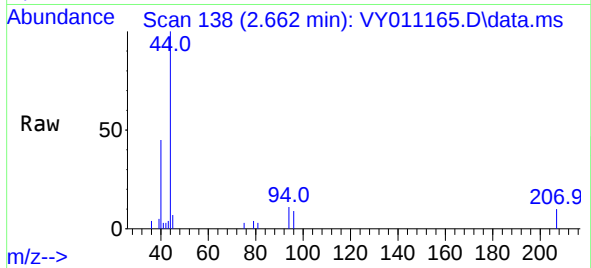




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

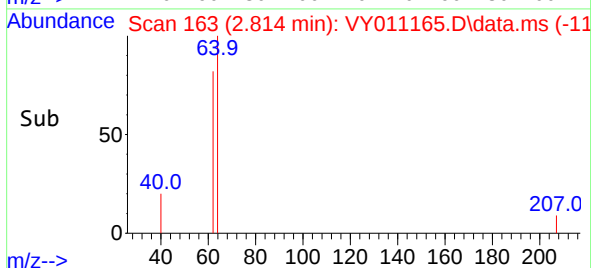
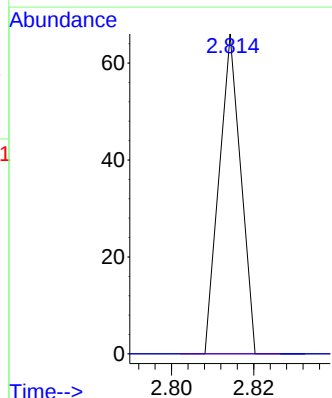
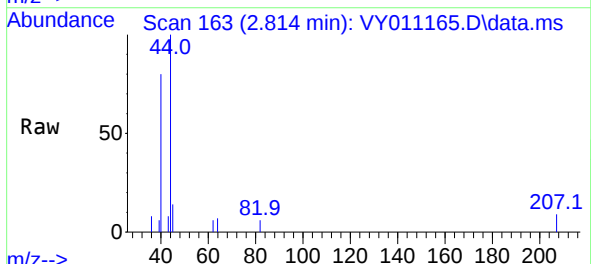
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

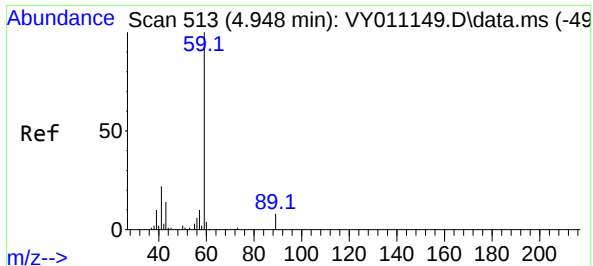
Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 87.2 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.814 min Scan# 163
Delta R.T. 0.018 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 513

Delta R.T. 0.006 min

Lab File: VY011165.D

Acq: 28 Oct 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

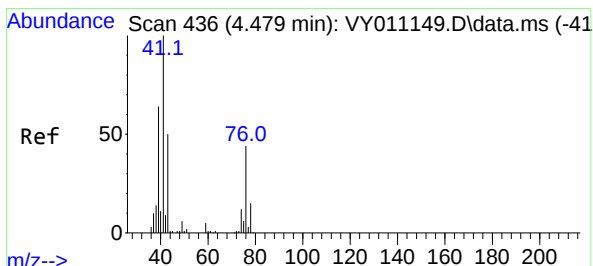
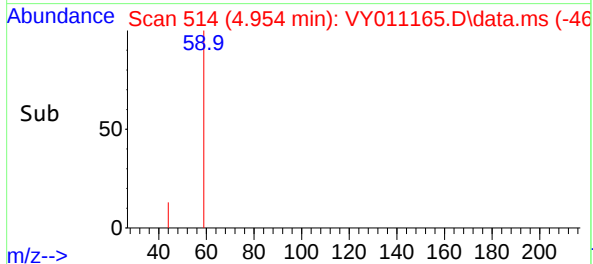
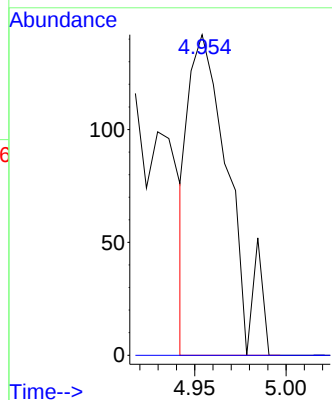
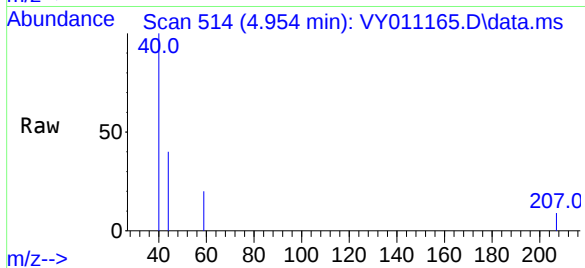
MH-4-WC

Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#14

Allyl chloride

Concen: 1.039 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.243 min

Lab File: VY011165.D

Acq: 28 Oct 2022 18:26

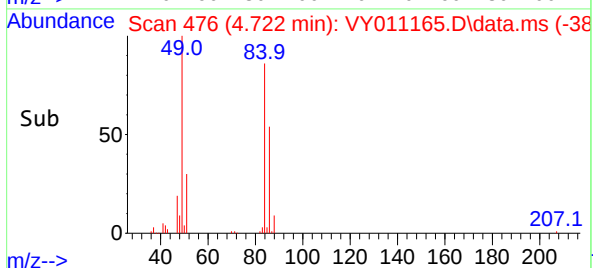
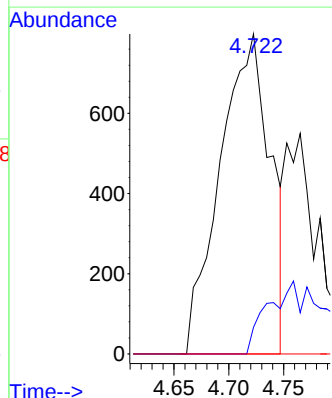
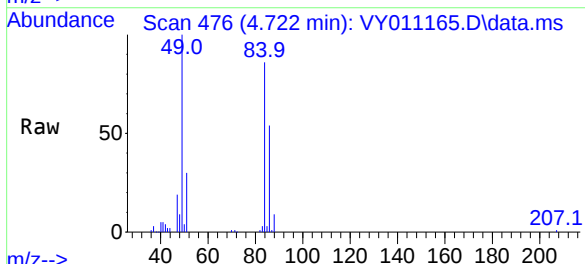
Tgt Ion: 41 Resp: 2535

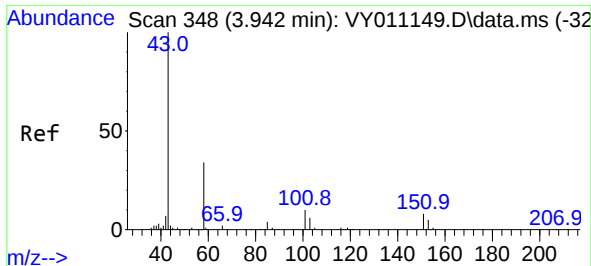
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 25.1 37.7#

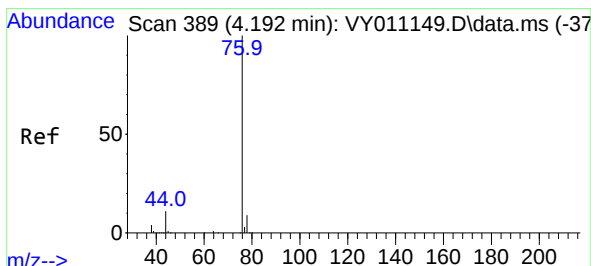
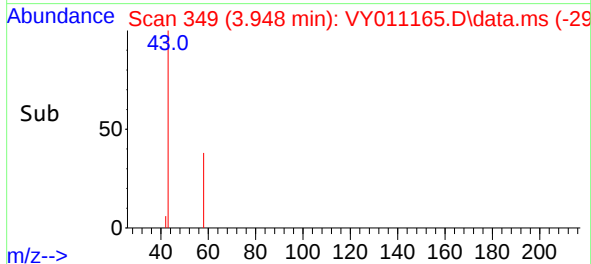
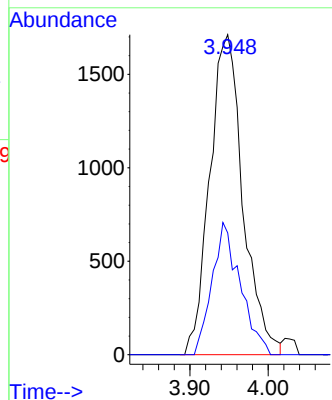
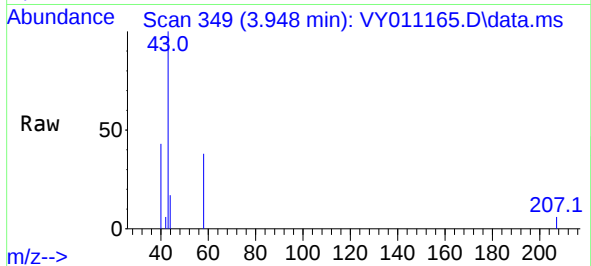




#16
Acetone
Concen: 10.197 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

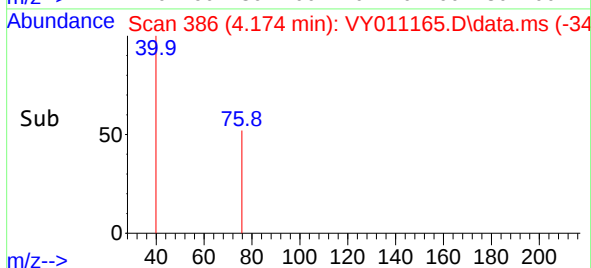
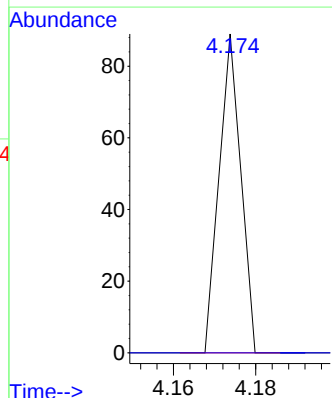
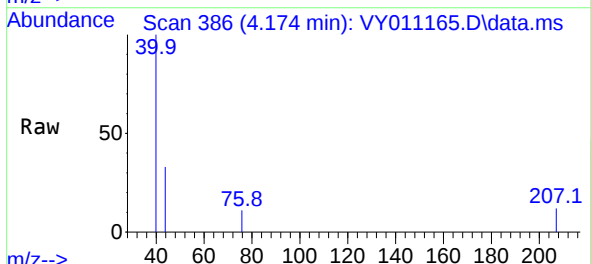
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

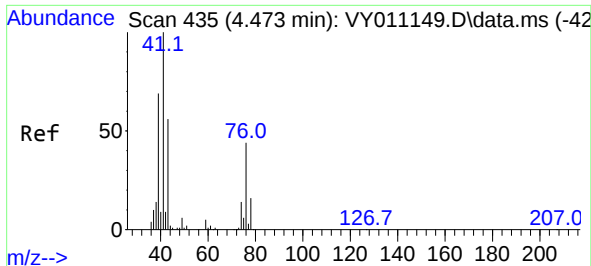
Tgt Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
58 38.1 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.174 min Scan# 386
Delta R.T. -0.018 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 76 Resp: 33
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

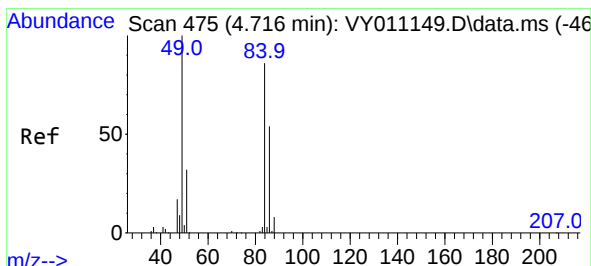
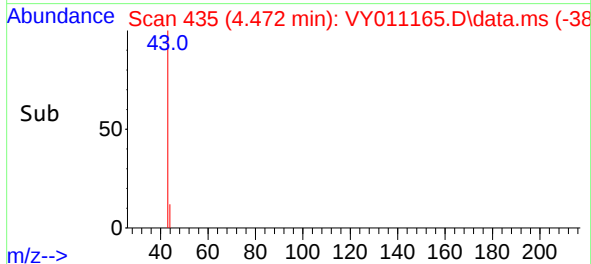
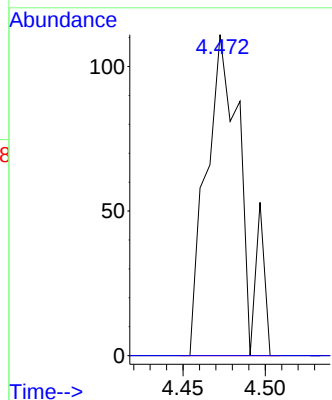
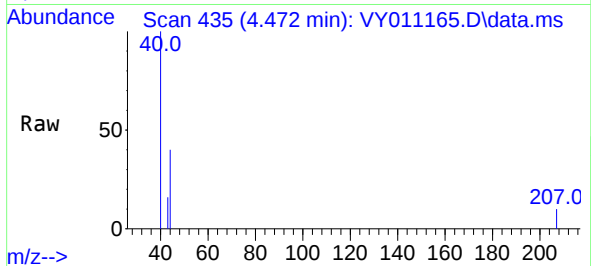




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

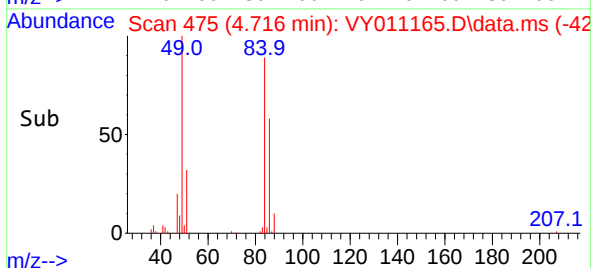
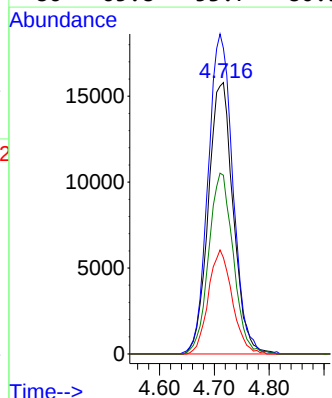
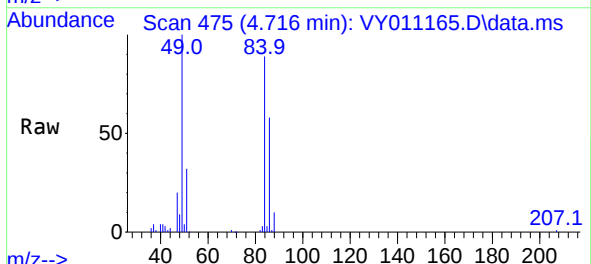
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

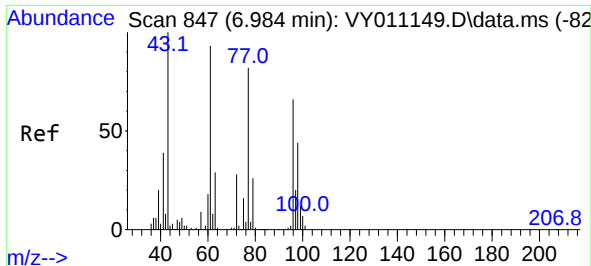
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 20.421 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 84 Resp: 49871
Ion Ratio Lower Upper
84 100
49 112.7 114.4 171.6#
51 35.5 35.3 52.9
86 65.8 53.7 80.5

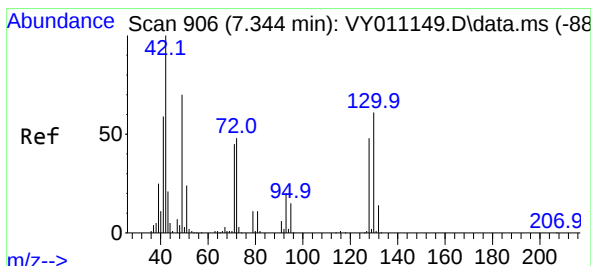
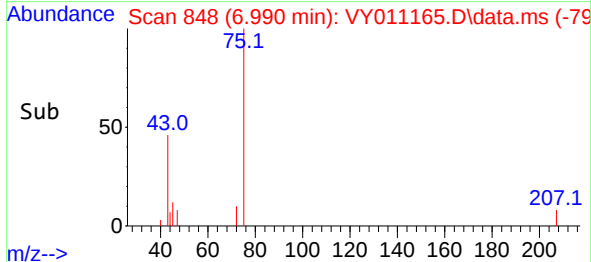
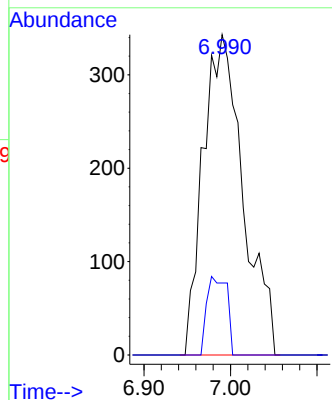
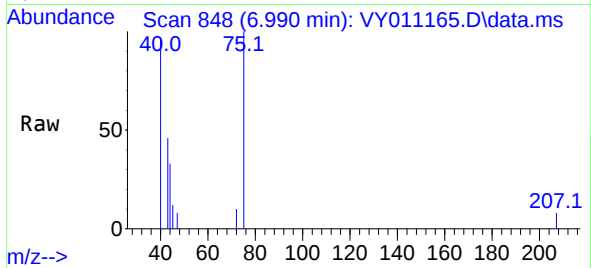




#25
2-Butanone
Concen: 1.551 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

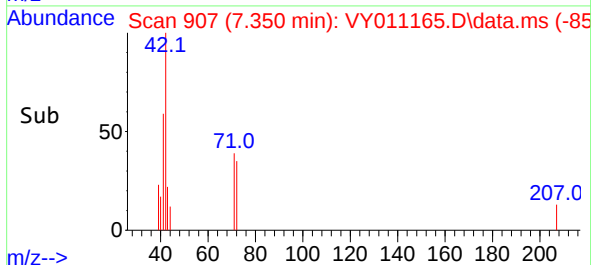
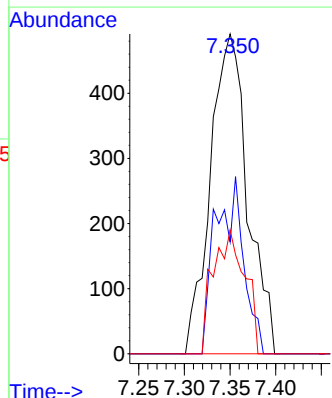
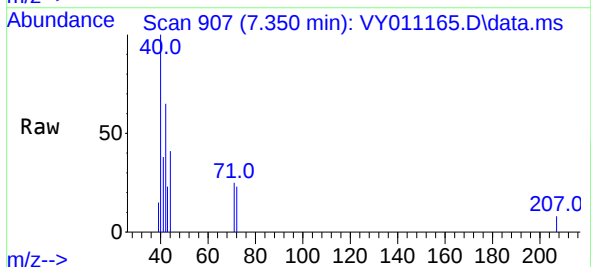
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

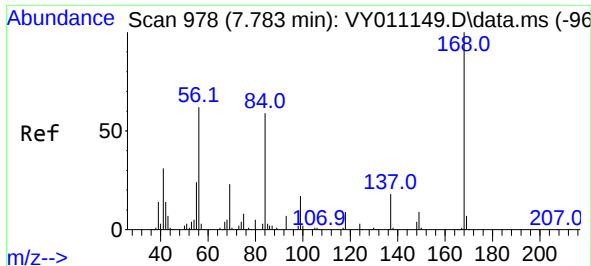
Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
72 22.4 17.7 26.5



#29
Tetrahydrofuran
Concen: 3.294 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 42 Resp: 1392
Ion Ratio Lower Upper
42 100
72 41.4 30.3 45.5
71 33.0 29.0 43.4

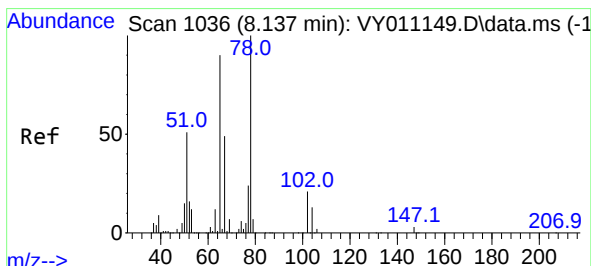
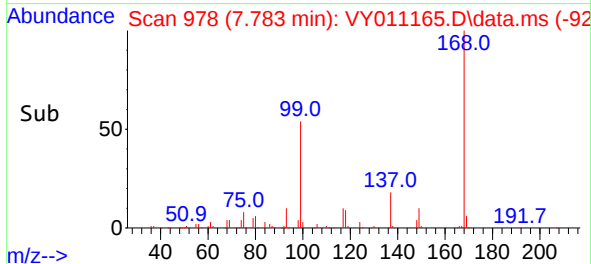
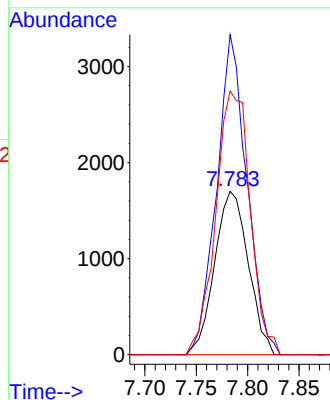
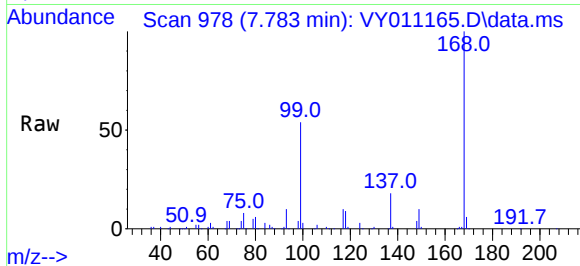




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

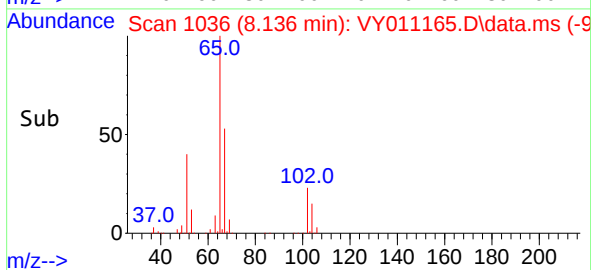
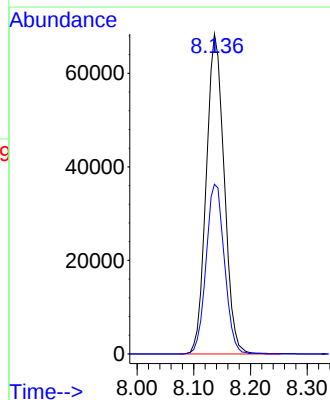
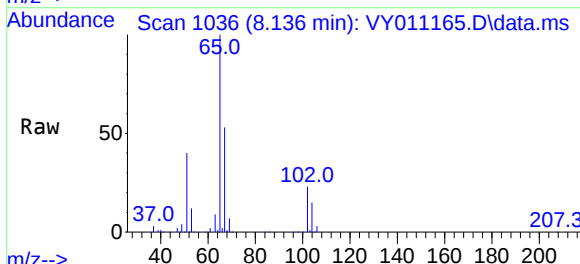
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

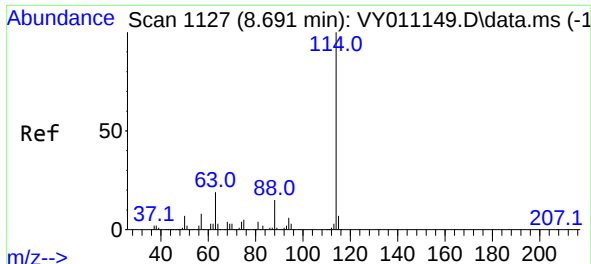
Tgt Ion: 56 Resp: 3878
Ion Ratio Lower Upper
56 100
69 195.9 26.7 40.1#
84 161.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 74.326 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 65 Resp: 150327
Ion Ratio Lower Upper
65 100
67 54.2 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: VY011165.D

Acq: 28 Oct 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

MH-4-WC

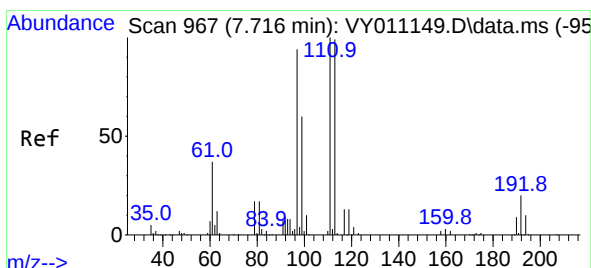
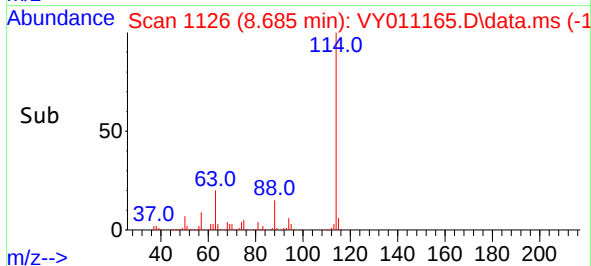
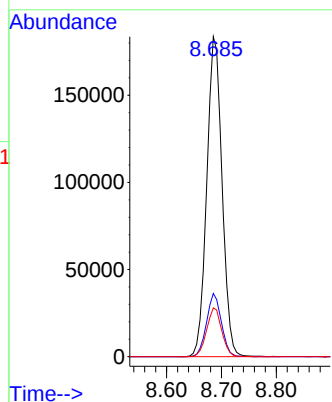
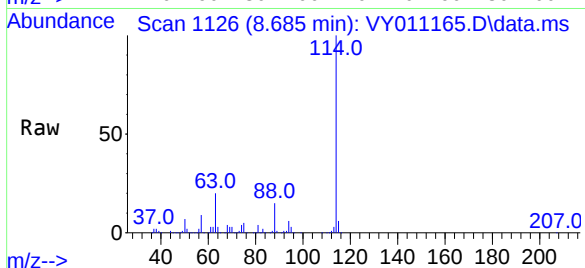
Tgt Ion:114 Resp: 354543

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 64.268 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011165.D

Acq: 28 Oct 2022 18:26

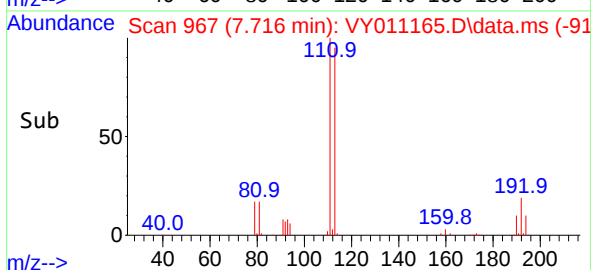
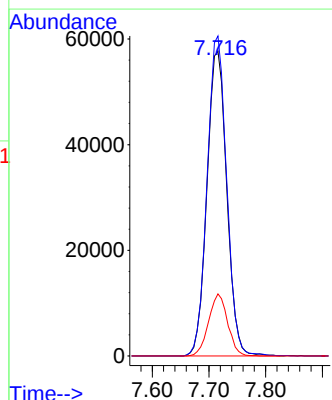
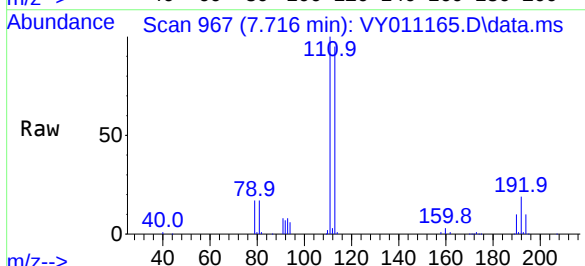
Tgt Ion:113 Resp: 140123

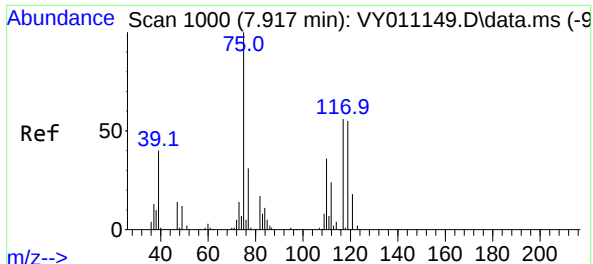
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.351 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011165.D

Acq: 28 Oct 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

MH-4-WC

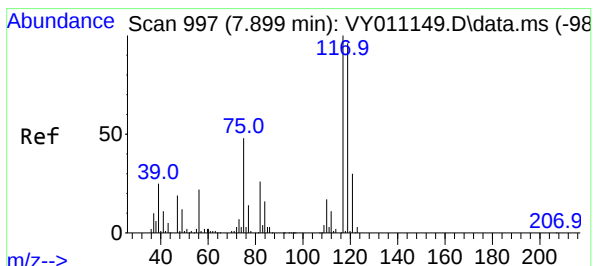
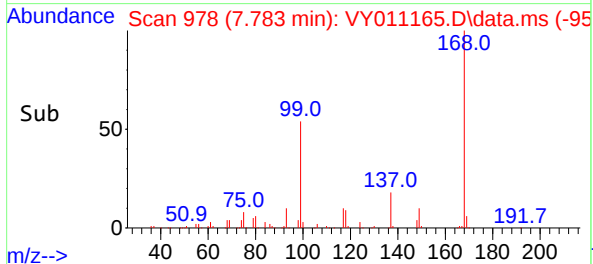
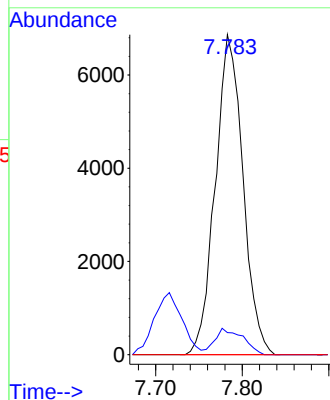
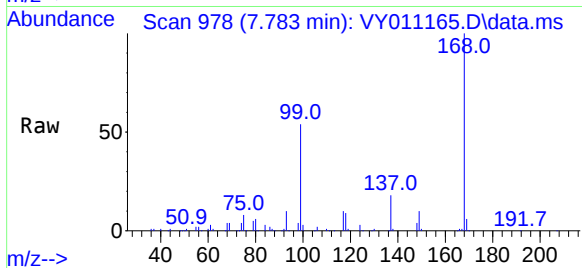
Tgt Ion: 75 Resp: 15211

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.356 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011165.D

Acq: 28 Oct 2022 18:26

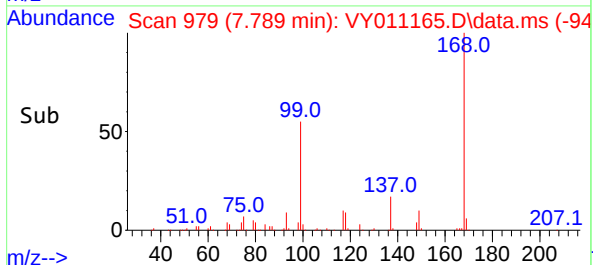
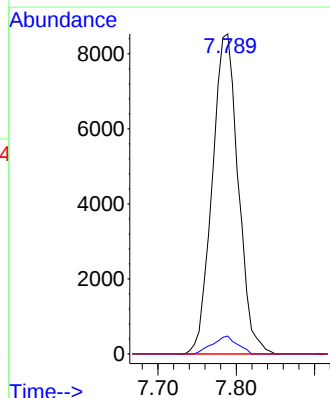
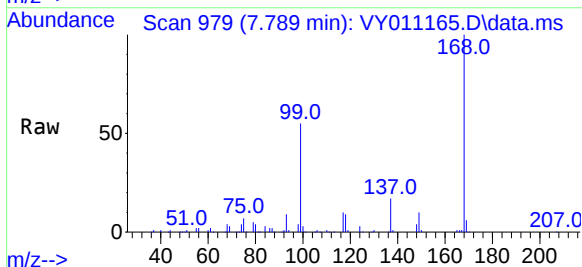
Tgt Ion: 117 Resp: 19679

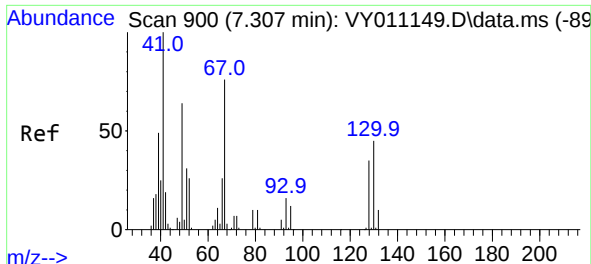
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

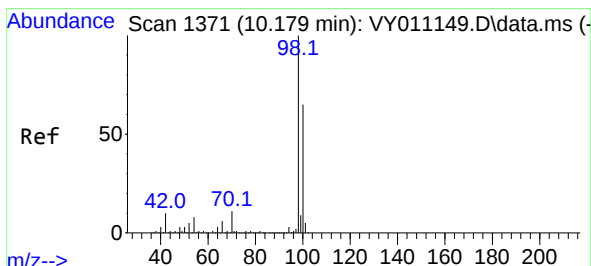
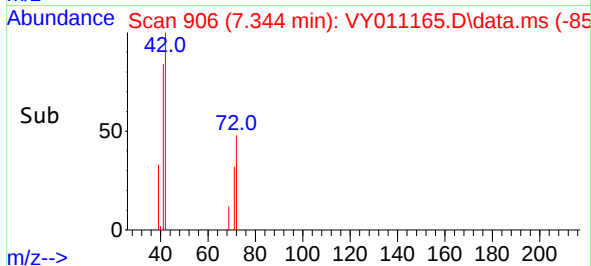
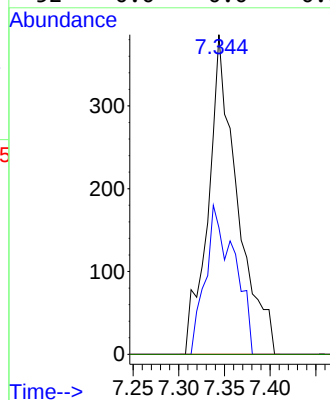
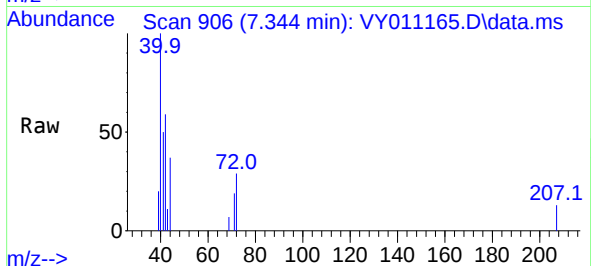




#41
Methacrylonitrile
Concen: 1.017 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

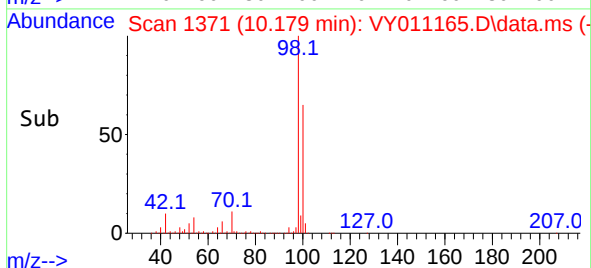
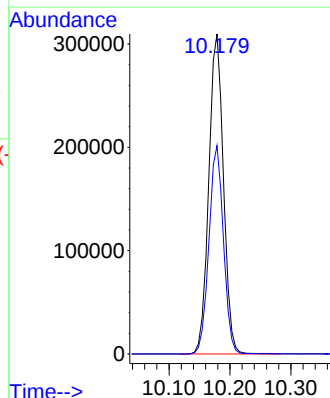
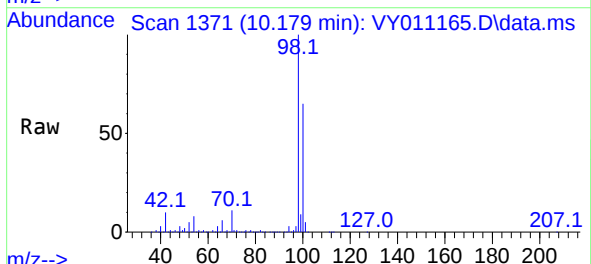
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

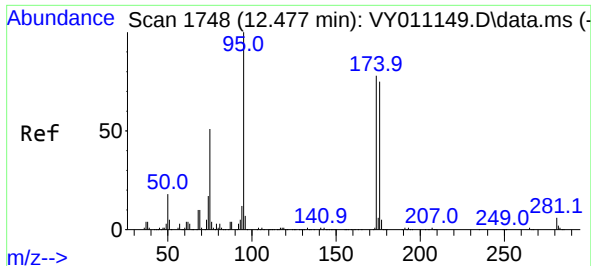
Tgt Ion:	41	Resp:	855
Ion	Ratio	Lower	Upper
41	100		
39	46.3	92.9	139.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 59.884 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion:	98	Resp:	517255
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.2	75.2

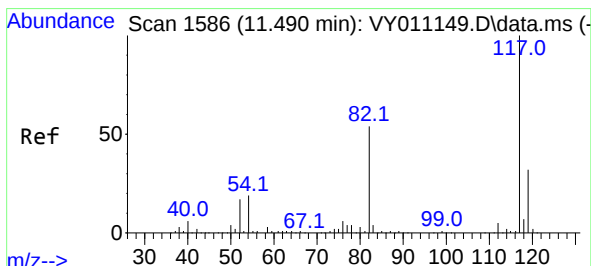
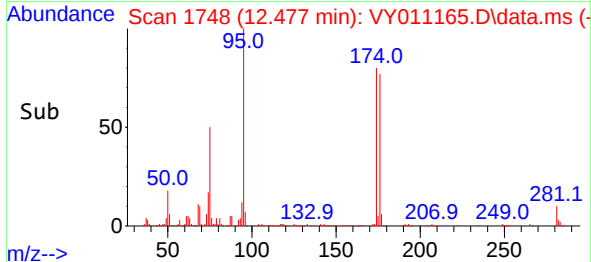
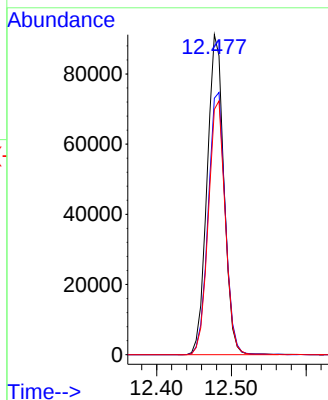
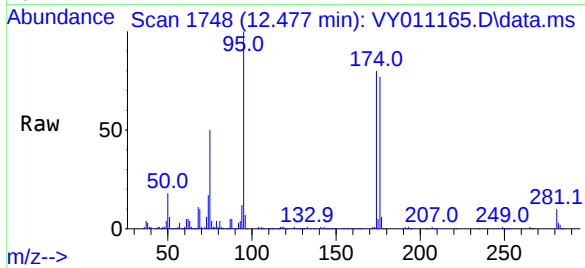




#62
4-Bromofluorobenzene
Concen: 50.377 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

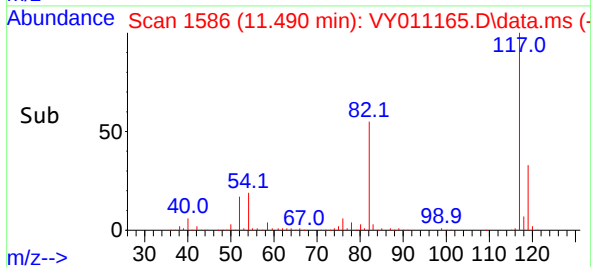
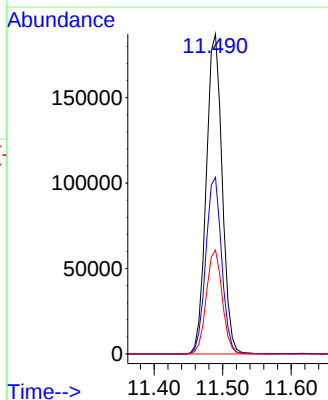
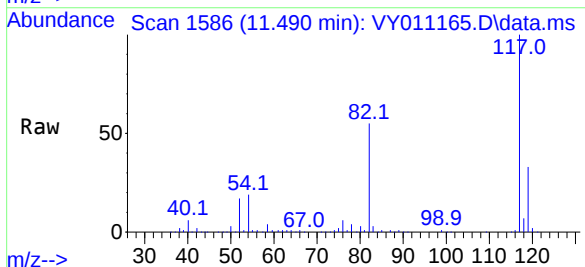
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

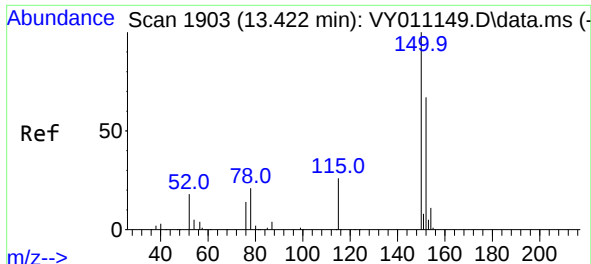
Tgt Ion: 95 Resp: 142381
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 117 Resp: 303292
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.5 25.4 38.0

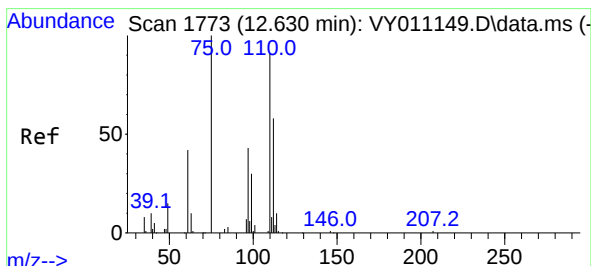
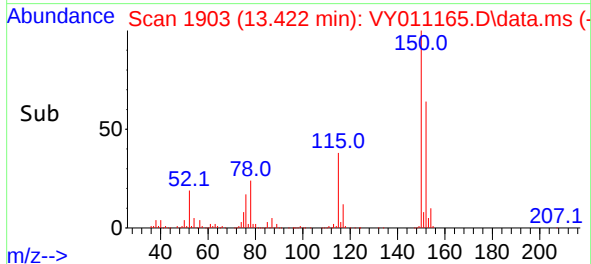
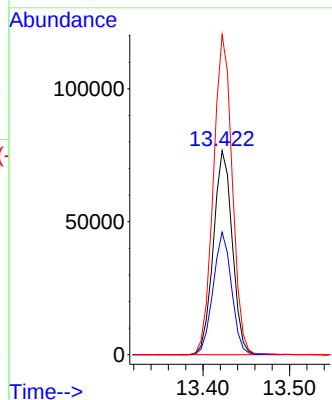
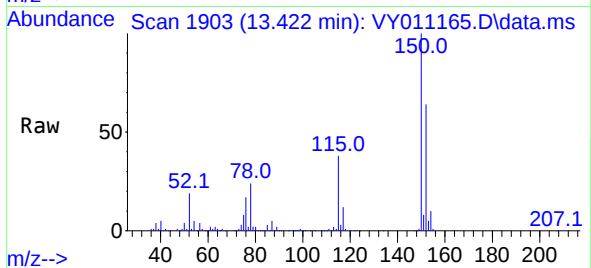




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

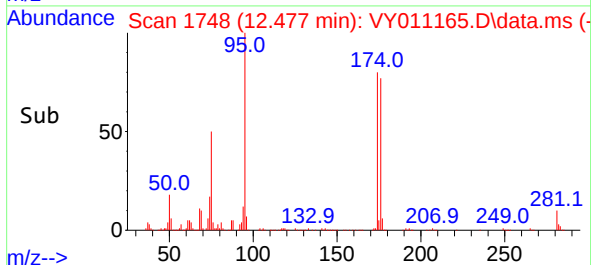
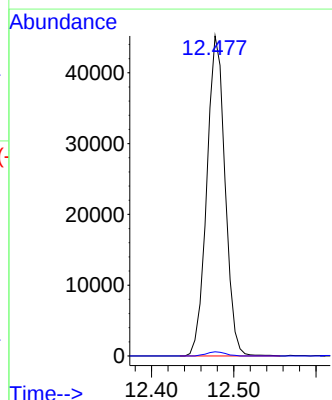
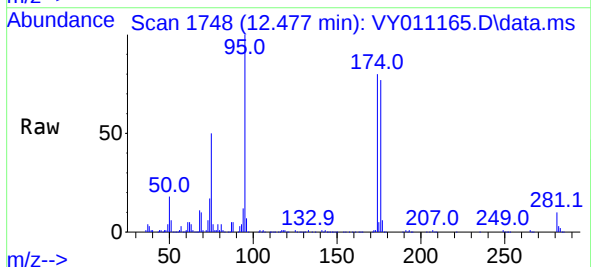
Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

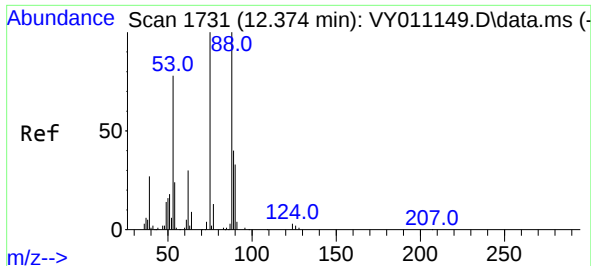
Tgt Ion:152 Resp: 116252
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 156.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 57.656 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 75 Resp: 69685
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

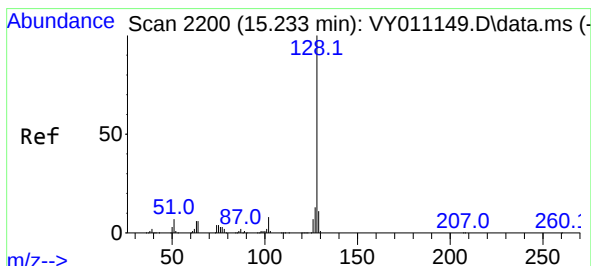
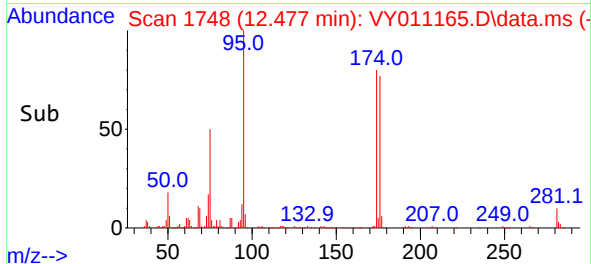
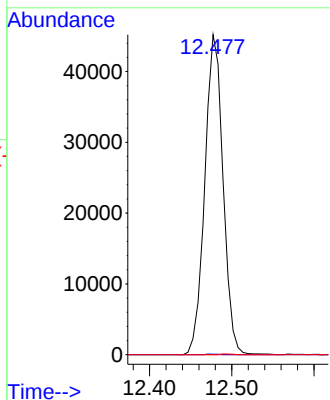
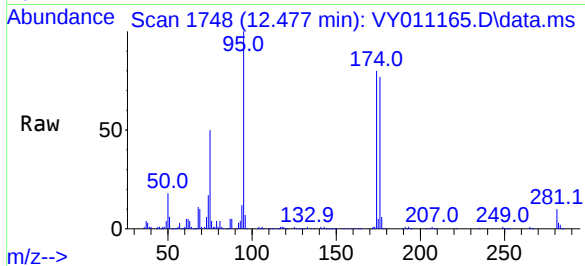




#81
trans-1,4-Dichloro-2-butene
Concen: 122.442 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Instrument :
MSVOA_Y
ClientSampleId :
MH-4-WC

Tgt Ion: 75 Resp: 69685
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.470 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011165.D
Acq: 28 Oct 2022 18:26

Tgt Ion: 128 Resp: 529
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

