

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011768.D
 Acq On : 12 Dec 2022 14:03
 Operator : KP/MD
 Sample : N5999-01RE
 Misc : 3.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20RE

Quant Time: Dec 13 00:19:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

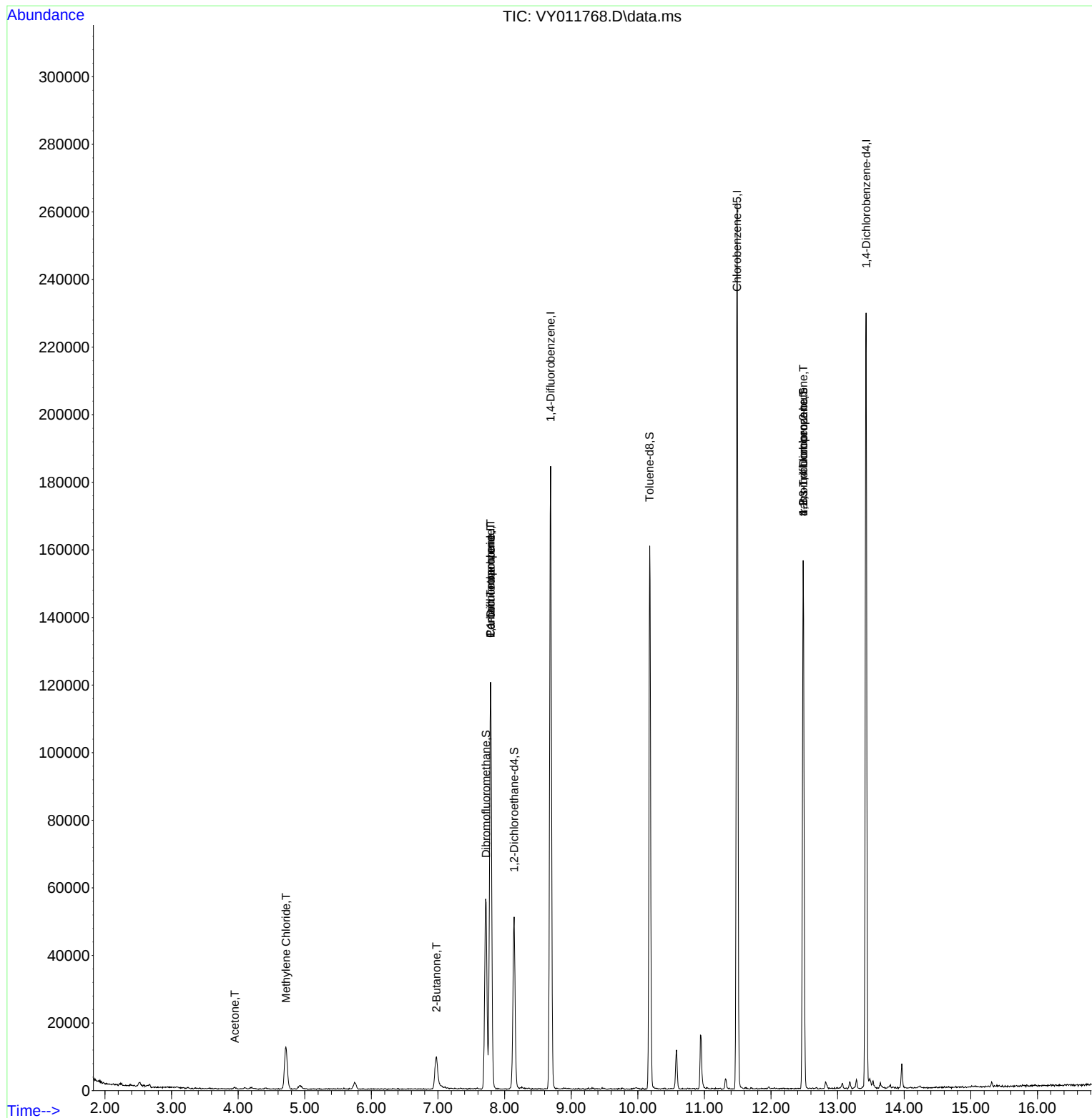
Internal Standards						
1) Pentafluorobenzene	7.789	168	93619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	157622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	143719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40253	64.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.780%	
35) Dibromofluoromethane	7.722	113	39887	57.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.080%	
50) Toluene-d8	10.179	98	108188	46.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.360%	
62) 4-Bromofluorobenzene	12.483	95	40501	43.748	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.500%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	178	Below Cal	#	41
4) Vinyl Chloride	2.522	62	20	Below Cal	#	43
5) Bromomethane	2.674	94	225	Below Cal	#	70
11) Tert butyl alcohol	4.930	59	1426	Below Cal	#	74
16) Acetone	3.948	43	733	2.867	ug/l	98
18) Methyl Acetate	4.716	43	22	Below Cal	#	50
20) Methylene Chloride	4.716	84	9665	5.378	ug/l	97
25) 2-Butanone	6.978	43	636	1.934	ug/l	91
31) Cyclohexane	7.795	56	1853	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	6868	5.742	ug/l #	48
38) Carbon Tetrachloride	7.789	117	8937	6.361	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	21109	33.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21109	75.915	ug/l #	13

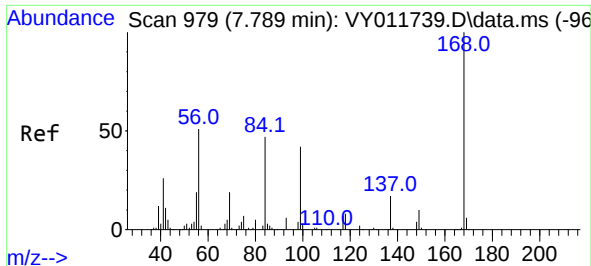
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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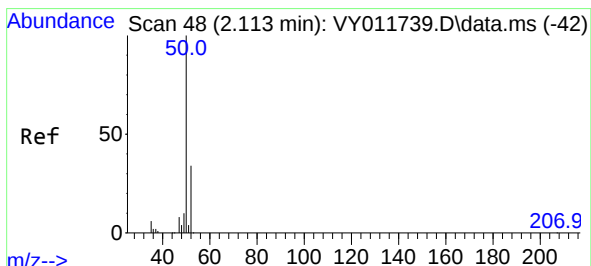
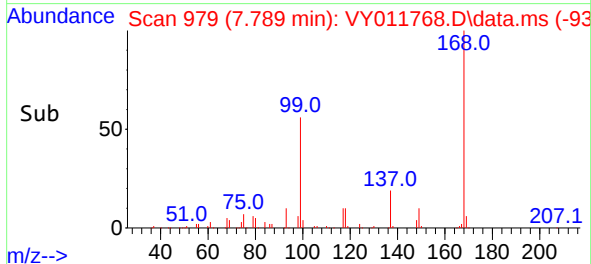
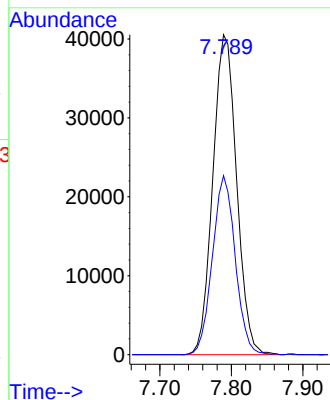
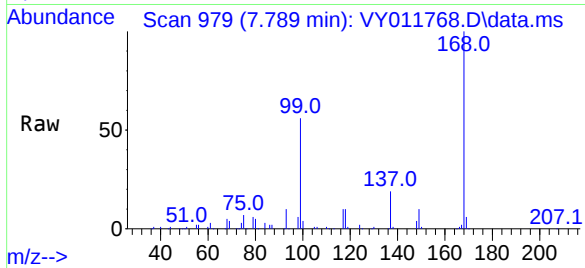




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

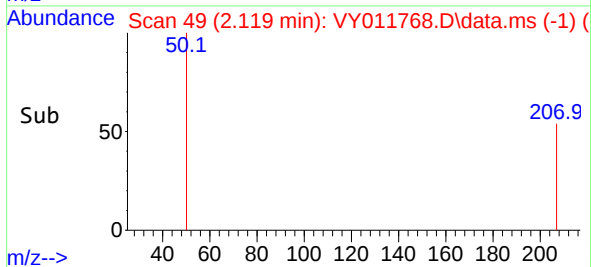
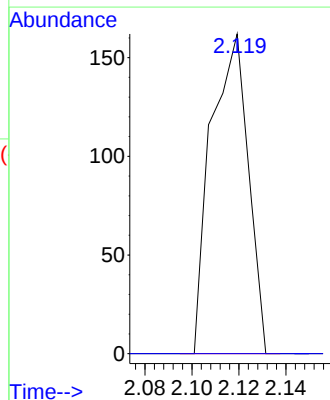
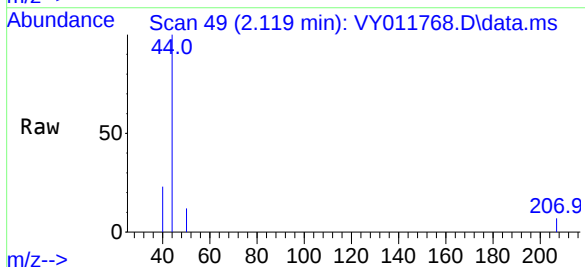
Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

Tgt Ion:168 Resp: 93619
Ion Ratio Lower Upper
168 100
99 55.9 44.0 66.0

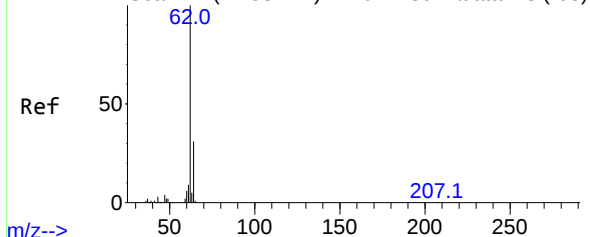


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

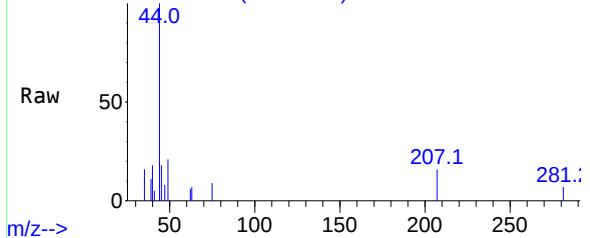
Tgt Ion: 50 Resp: 178
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



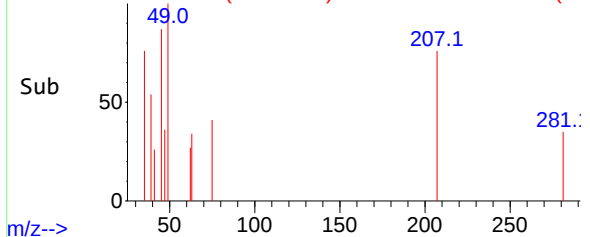
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 115 (2.522 min): VY011768.D\data.ms



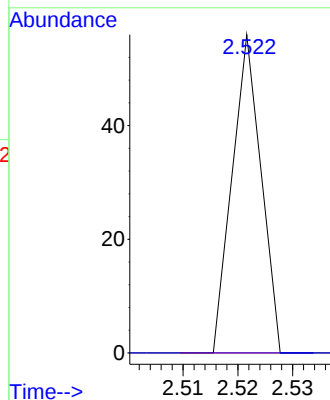
Abundance Scan 115 (2.522 min): VY011768.D\data.ms (-22)



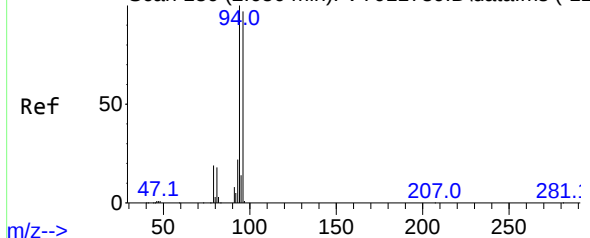
#4
Vinyl Chloride
Concen: Below Cal
RT: 2.522 min Scan# 115
Delta R.T. 0.269 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

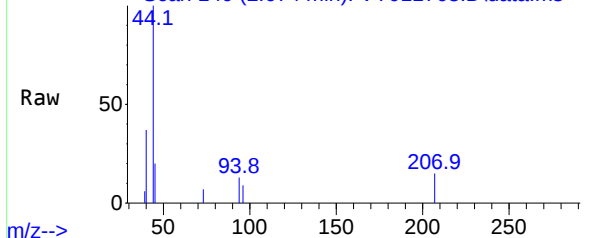
Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



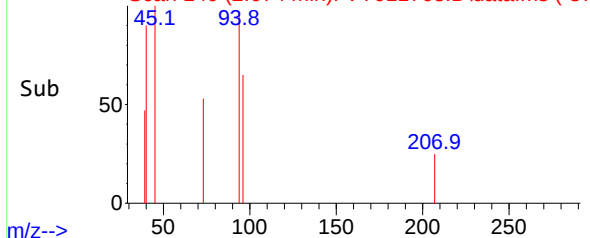
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 140 (2.674 min): VY011768.D\data.ms

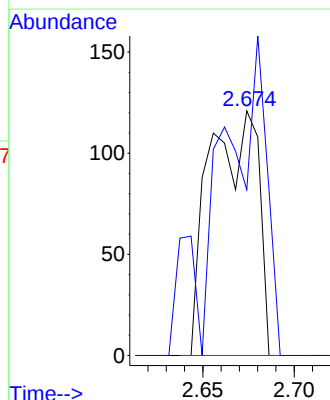


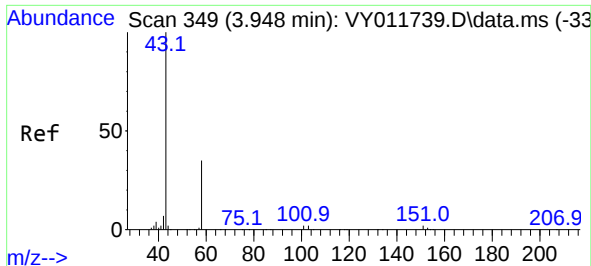
Abundance Scan 140 (2.674 min): VY011768.D\data.ms (-87)



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.024 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 67.8 77.4 116.2#

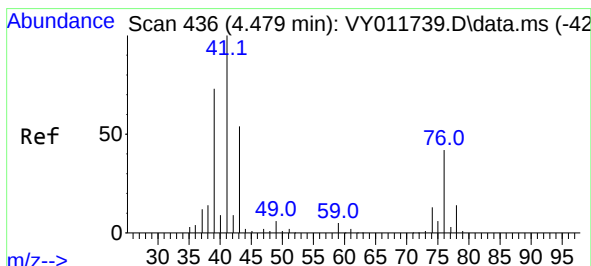
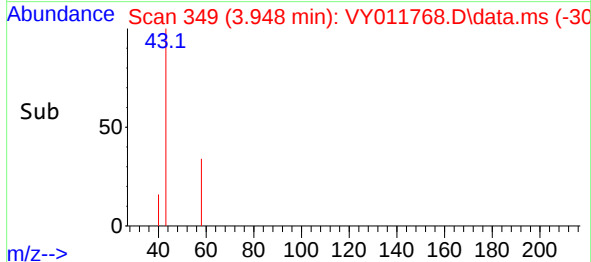
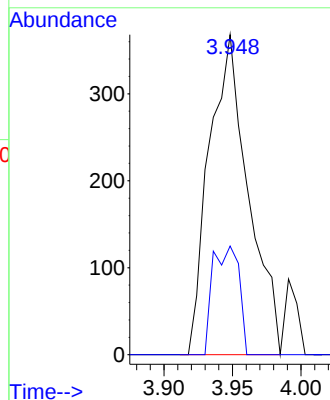
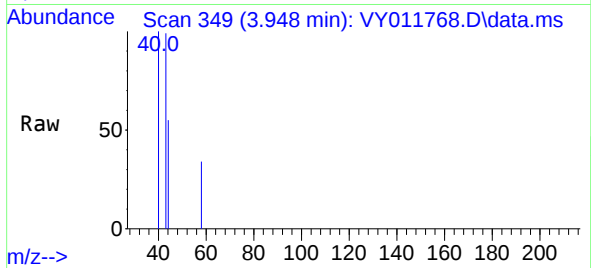




#16
Acetone
Concen: 2.867 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

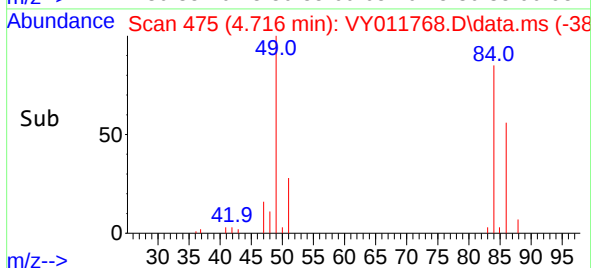
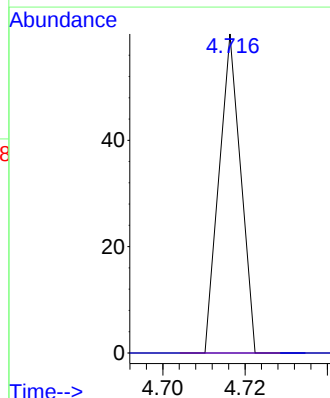
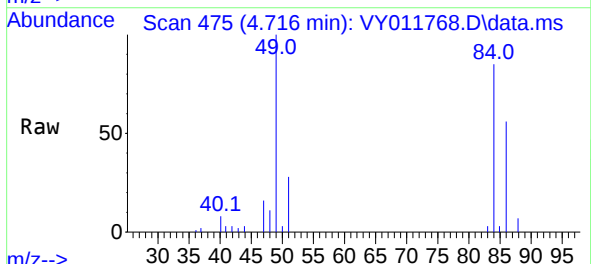
Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

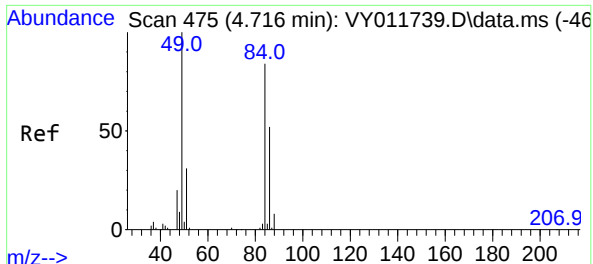
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 34.0 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.237 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



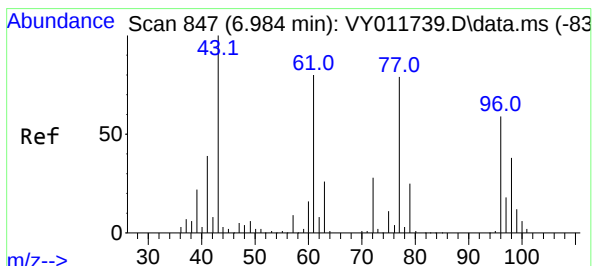
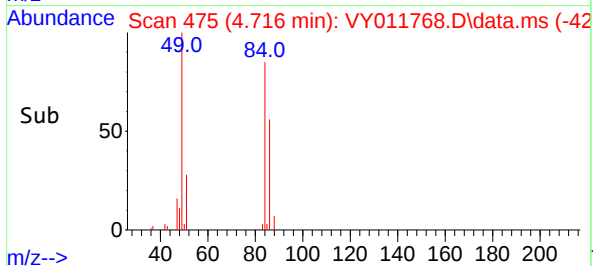
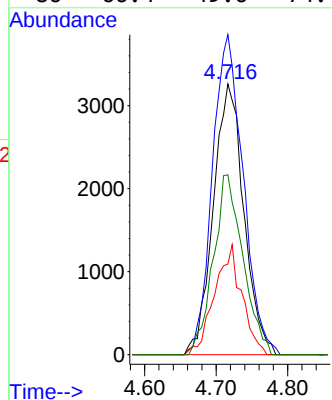
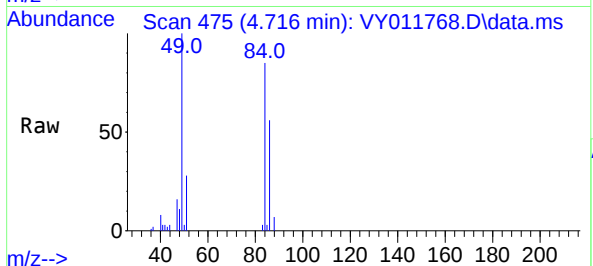


#20
Methylene Chloride
Concen: 5.378 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

Tgt Ion: 84 Resp: 9665

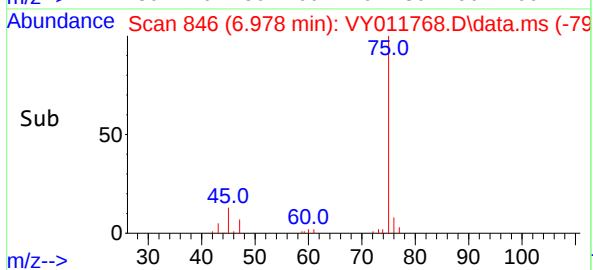
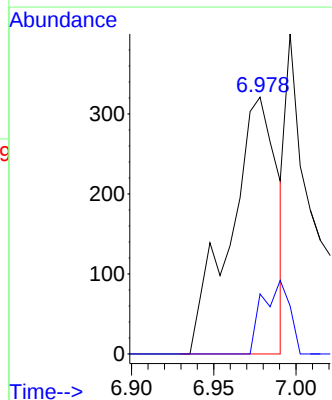
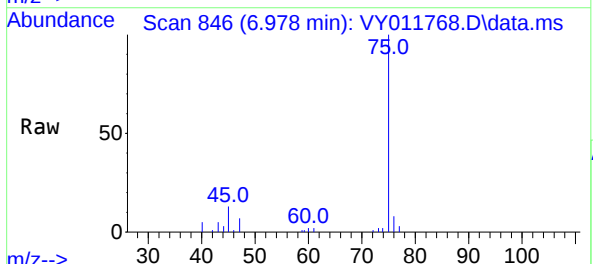
Ion	Ratio	Lower	Upper
84	100		
49	118.2	95.4	143.2
51	33.4	29.9	44.9
86	66.4	49.6	74.4

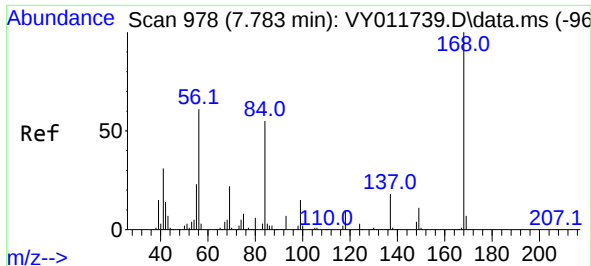


#25
2-Butanone
Concen: 1.934 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 43 Resp: 636

Ion	Ratio	Lower	Upper
43	100		
72	23.4	22.6	34.0

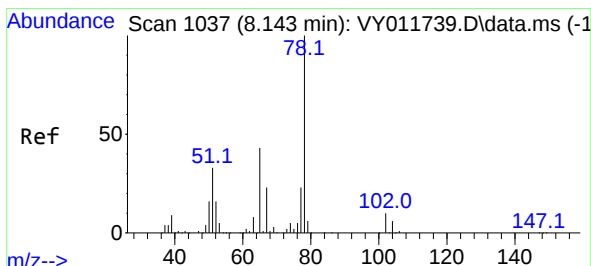
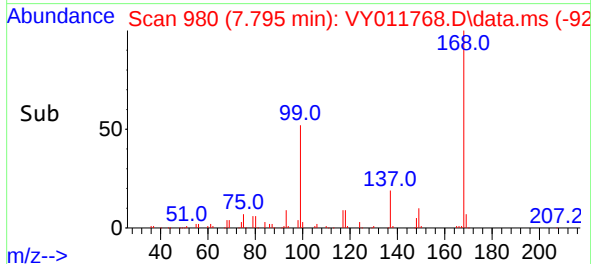
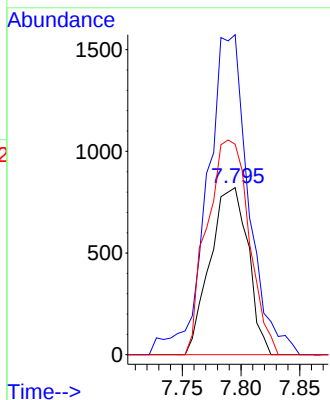
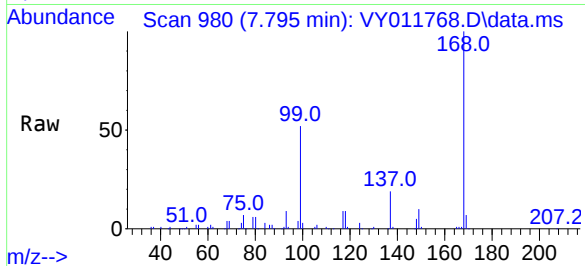




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

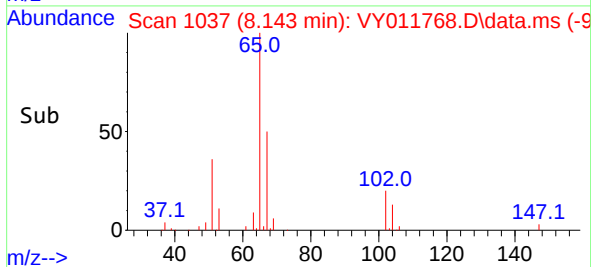
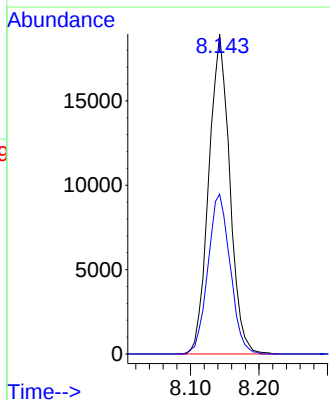
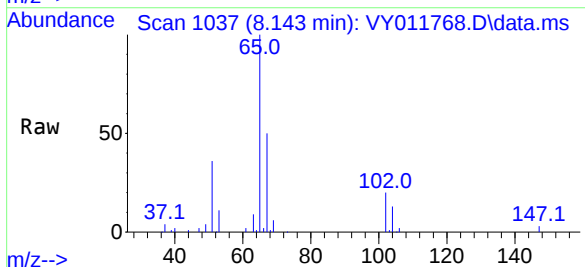
Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

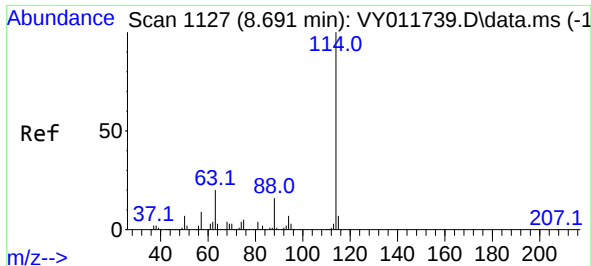
Tgt Ion: 56 Resp: 1853
Ion Ratio Lower Upper
56 100
69 180.5 29.2 43.8#
84 125.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 64.389 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 65 Resp: 40253
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011768.D

Acq: 12 Dec 2022 14:03

Instrument :

MSVOA_Y

ClientSampleId :

MH-20RE

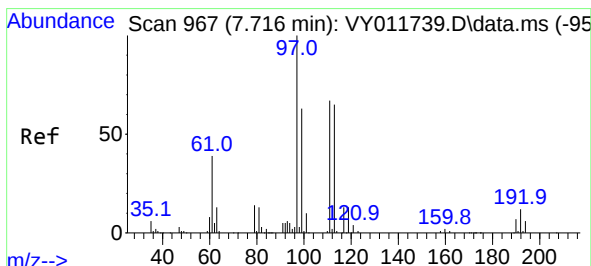
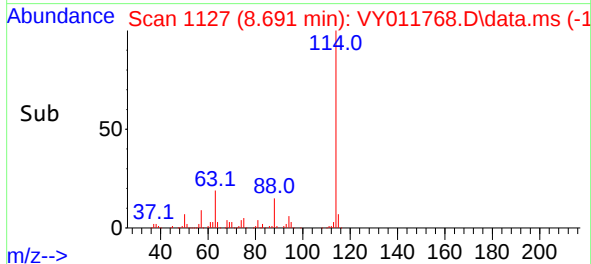
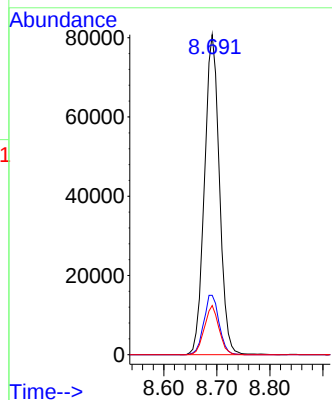
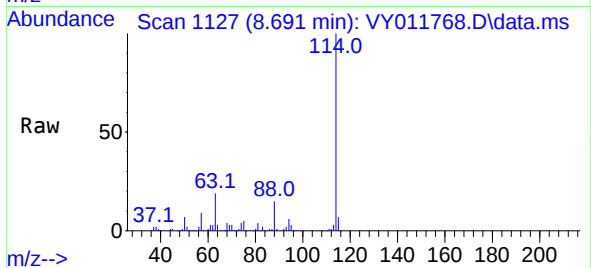
Tgt Ion:114 Resp: 157622

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.543 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011768.D

Acq: 12 Dec 2022 14:03

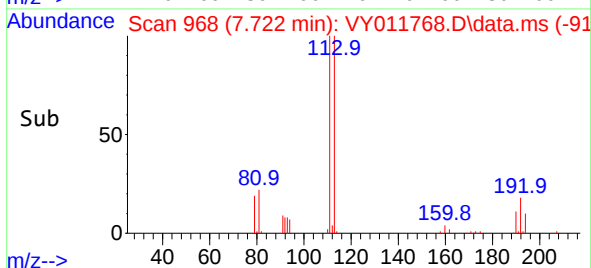
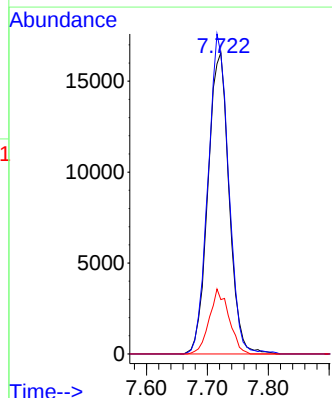
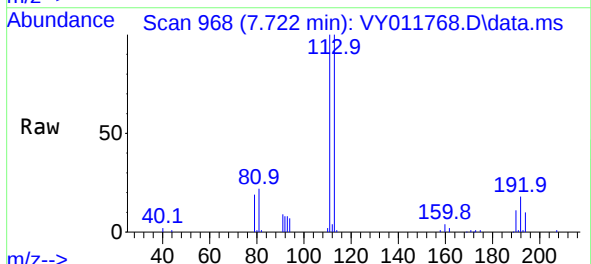
Tgt Ion:113 Resp: 39887

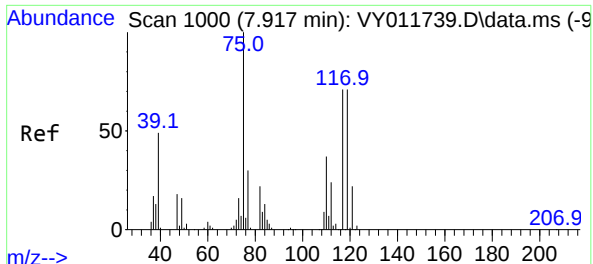
Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 20.1 16.0 24.0

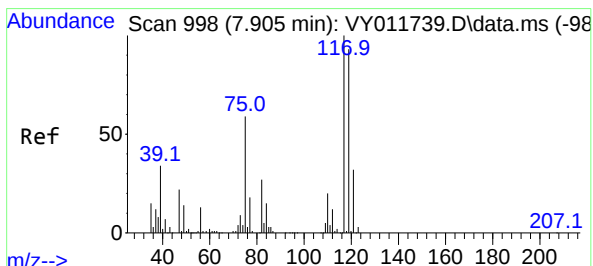
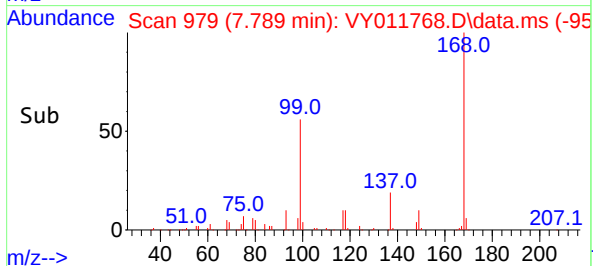
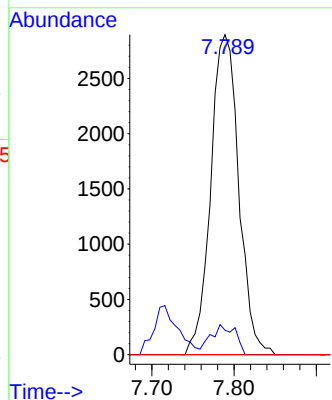
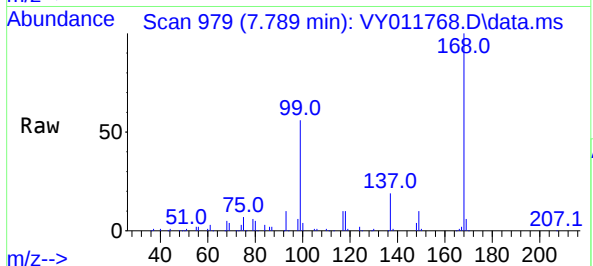




#36
1,1-Dichloropropene
Concen: 5.742 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

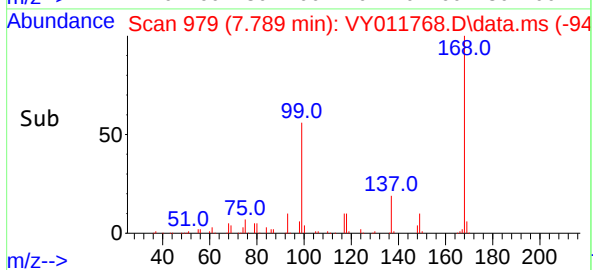
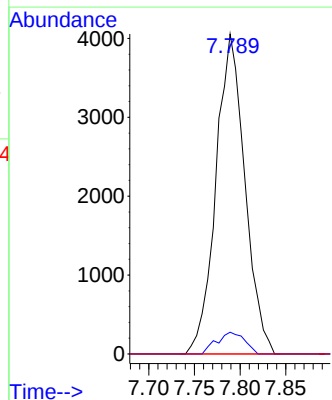
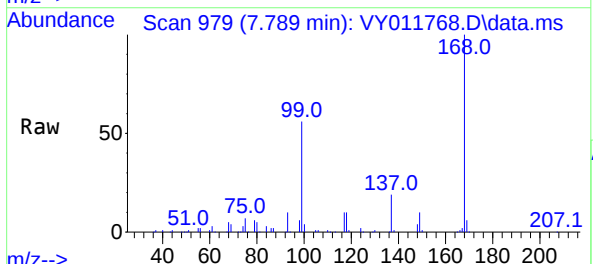
Instrument :
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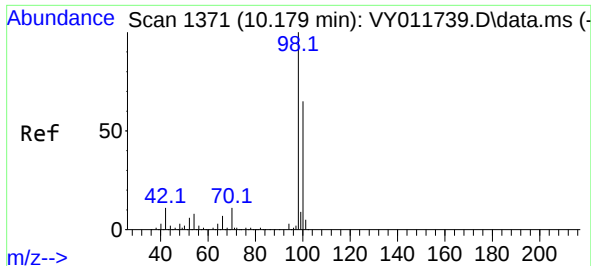
Tgt Ion: 75 Resp: 6868
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.361 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 117 Resp: 8937
Ion Ratio Lower Upper
117 100
119 6.8 73.8 110.8#
121 0.0 25.2 37.8#

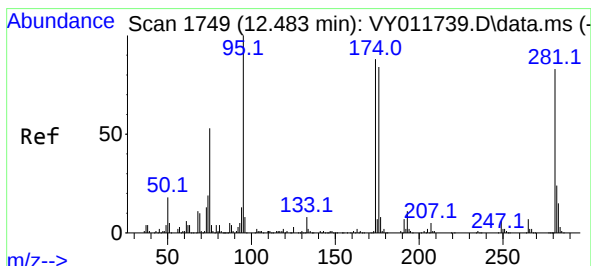
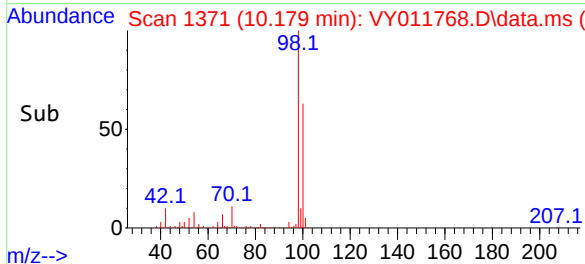
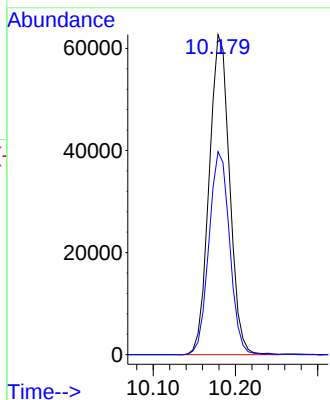
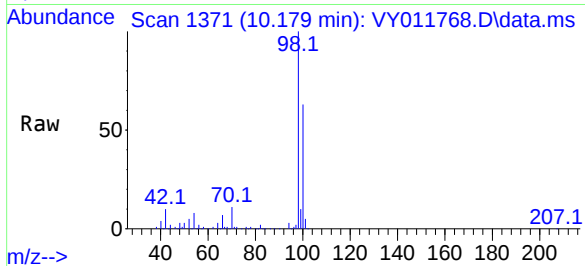




#50
Toluene-d8
Concen: 46.679 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

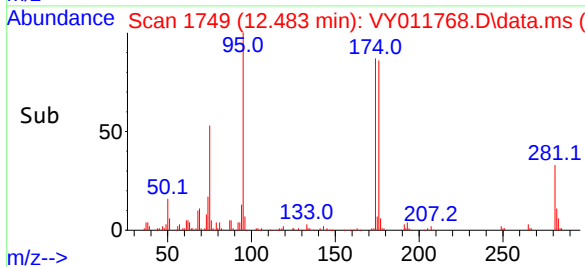
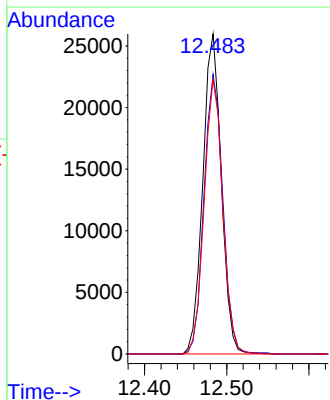
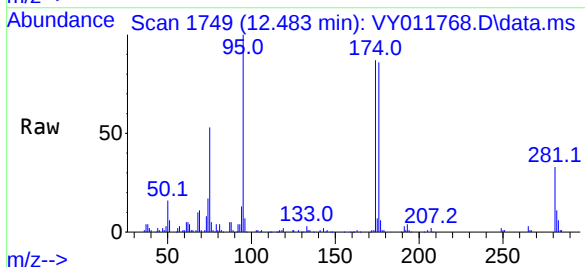
Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

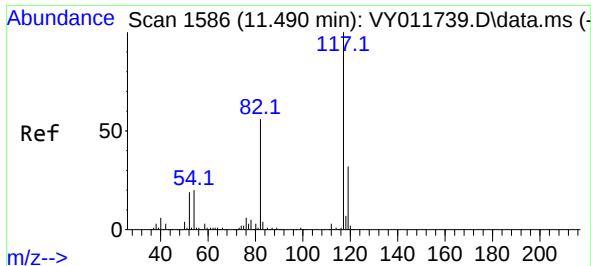
Tgt Ion: 98 Resp: 108188
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 95 Resp: 40501
Ion Ratio Lower Upper
95 100
174 89.2 0.0 172.0
176 86.2 0.0 167.6

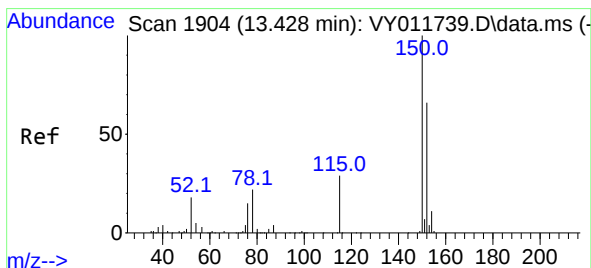
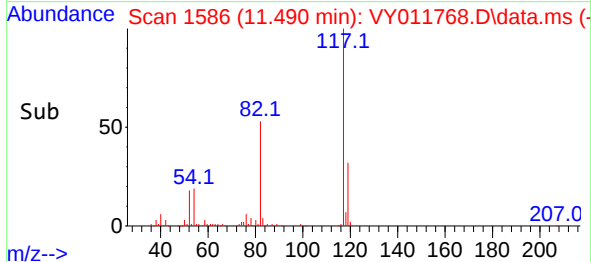
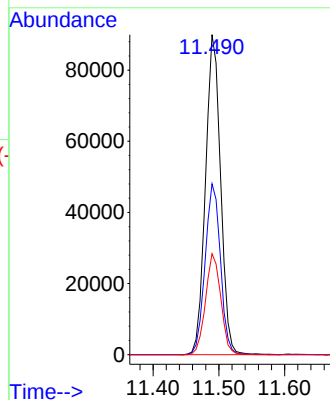
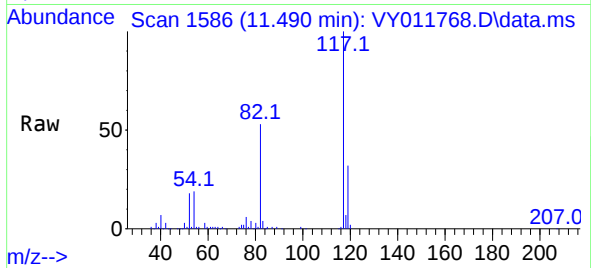




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

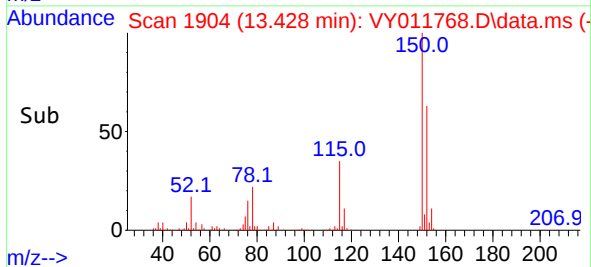
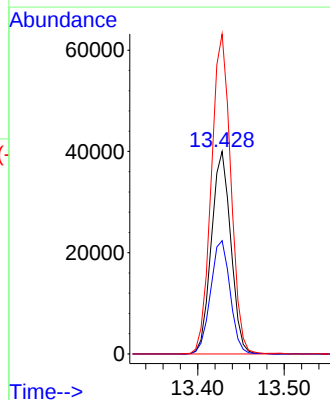
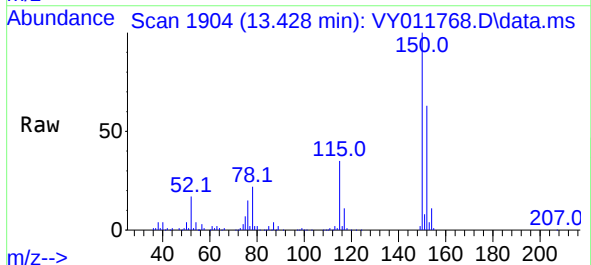
Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

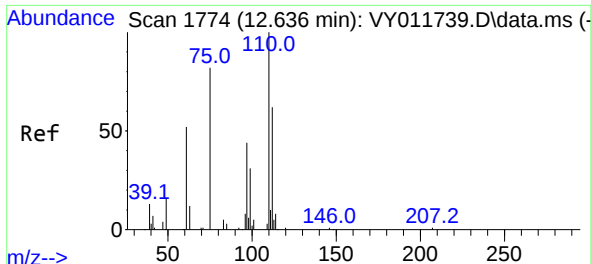
Tgt Ion:117 Resp: 143719
Ion Ratio Lower Upper
117 100
82 53.4 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion:152 Resp: 62366
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 158.5 0.0 342.6

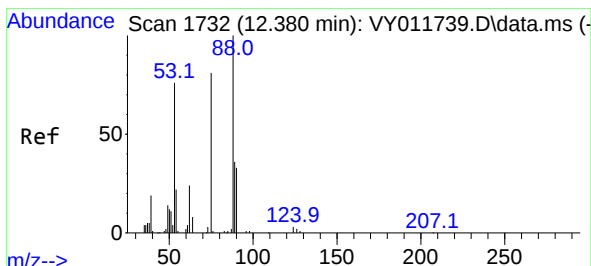
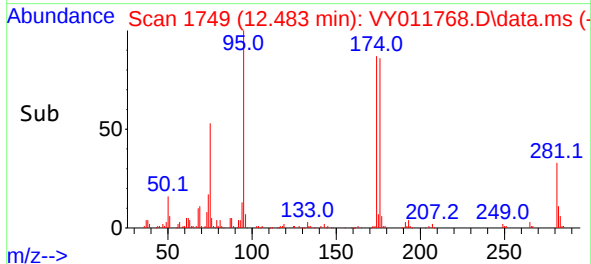
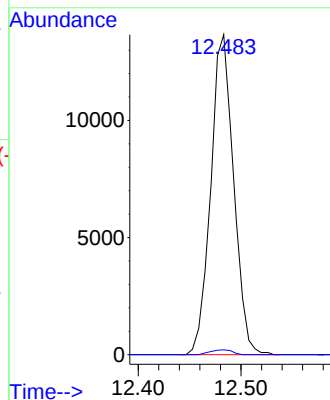
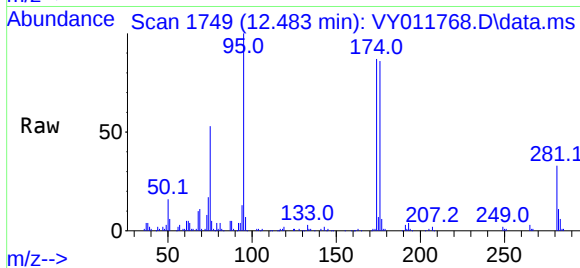




#76
1,2,3-Trichloropropane
Concen: 33.454 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Instrument :
MSVOA_Y
ClientSampleId :
MH-20RE

Tgt Ion: 75 Resp: 21109
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.915 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011768.D
Acq: 12 Dec 2022 14:03

Tgt Ion: 75 Resp: 21109
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.4 37.0 55.4#

