

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011756.D
 Acq On : 09 Dec 2022 20:24
 Operator : KP/MD
 Sample : N5999-01
 Misc : 3.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20

Quant Time: Dec 10 03:57:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:30:20 2022
 Response via : Initial Calibration

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

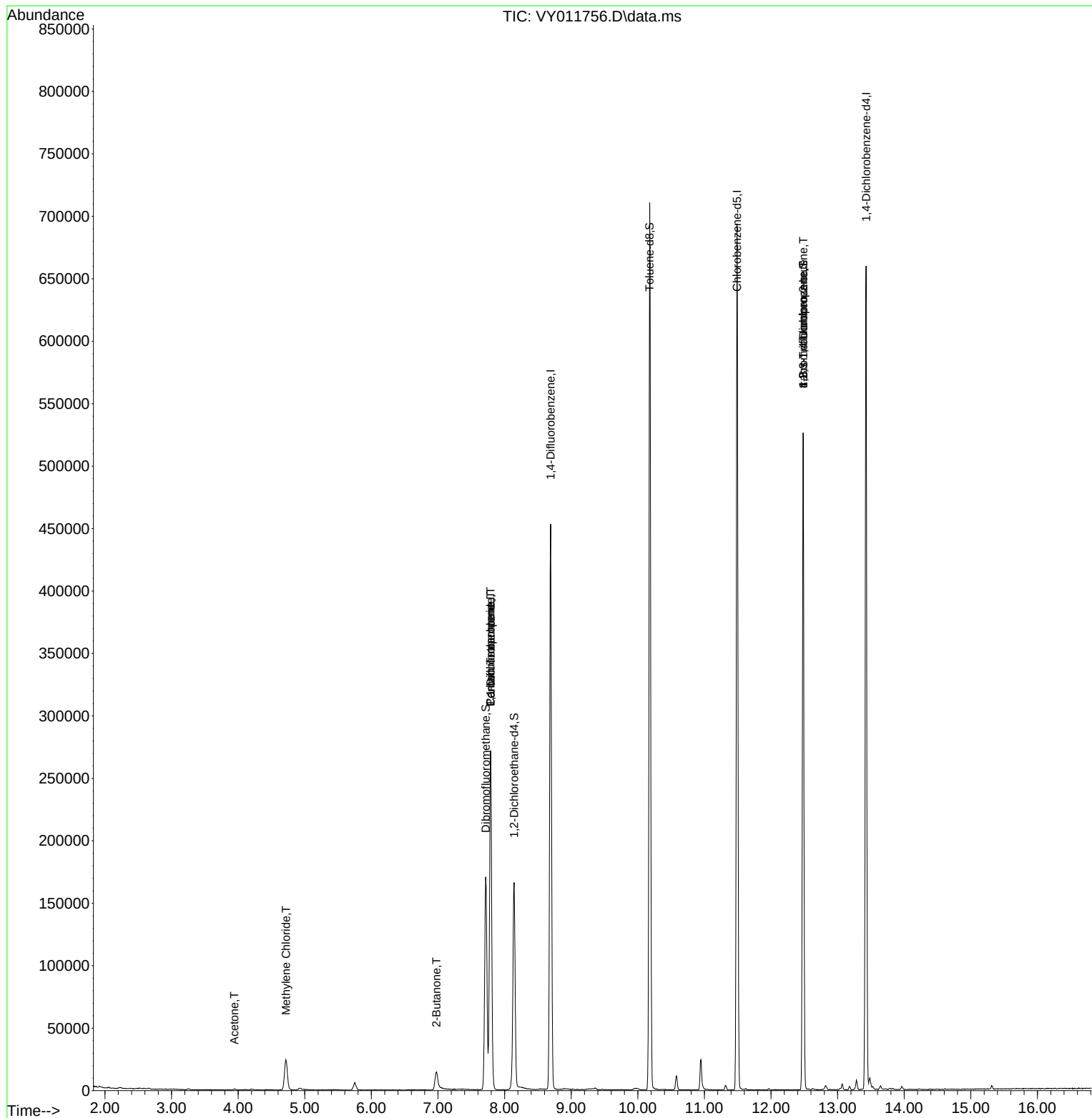
Internal Standards						
1) Pentafluorobenzene	7.789	168	208728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	379323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	372412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	128846	94.751	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.500%#			
35) Dibromofluoromethane	7.716	113	120664	73.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 146.840%			
50) Toluene-d8	10.179	98	460119	88.366	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 176.740%#			
62) 4-Bromofluorobenzene	12.483	95	154312	72.194	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 144.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	122	Below Cal	#	41
3) Chloromethane	2.119	50	260	Below Cal		97
4) Vinyl Chloride	2.485	62	22	Below Cal	#	43
5) Bromomethane	2.656	94	177	Below Cal	#	56
11) Tert butyl alcohol	4.942	59	1934	Below Cal	#	74
16) Acetone	3.942	43	1317	2.311 ug/l	#	81
18) Methyl Acetate	4.485	43	385	Below Cal	#	50
20) Methylene Chloride	4.716	84	18560	3.709 ug/l		98
25) 2-Butanone	6.978	43	1457	1.987 ug/l	#	83
31) Cyclohexane	7.789	56	4052	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15558	5.405 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	20554	6.079 ug/l	#	18
76) 1,2,3-Trichloropropane	12.483	75	80477	46.996 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	80477	106.644 ug/l	#	13

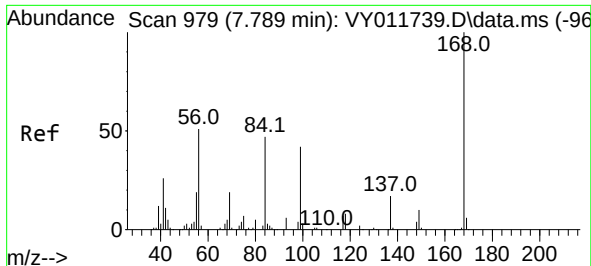
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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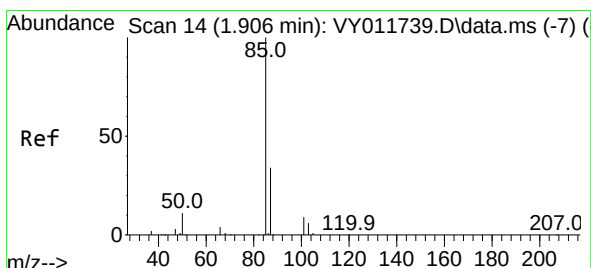
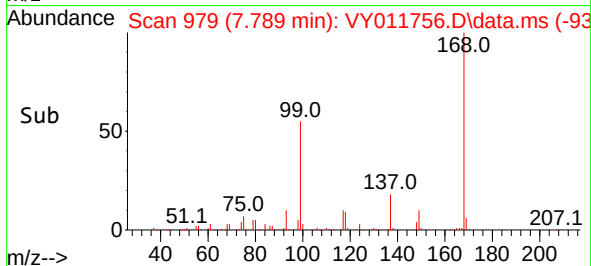
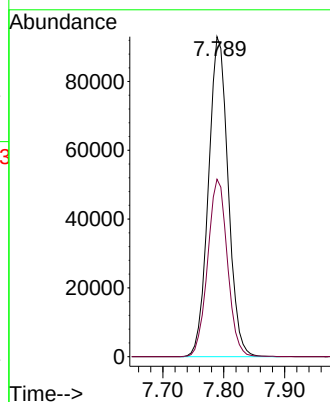
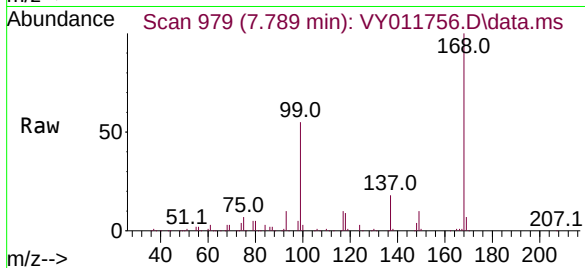




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

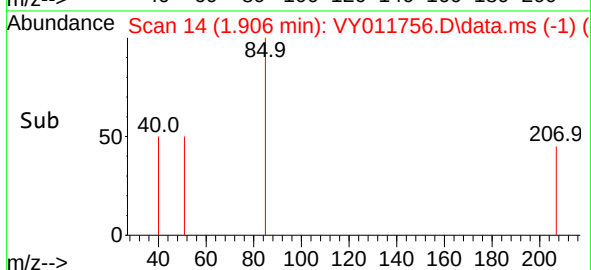
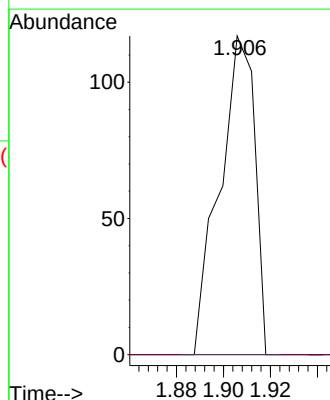
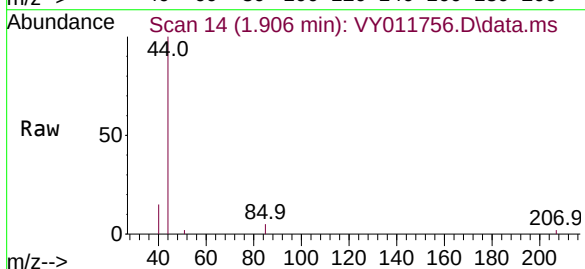
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

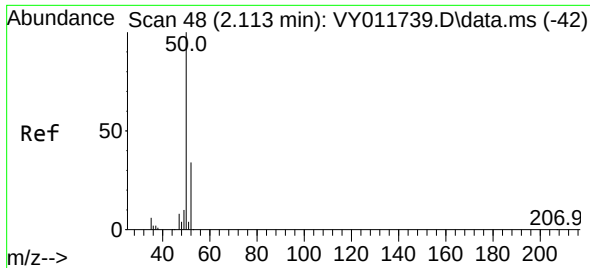
Tgt Ion:168 Resp: 208728
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 85 Resp: 122
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

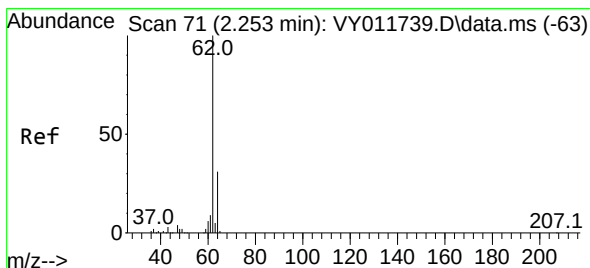
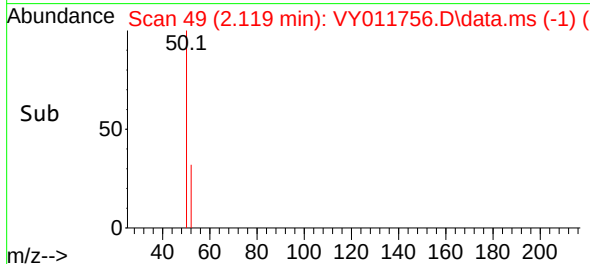
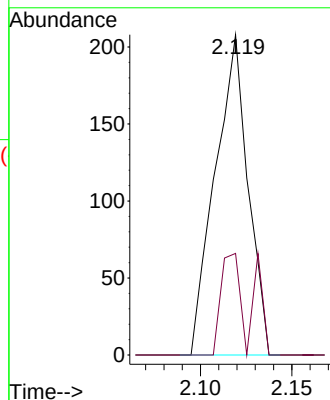
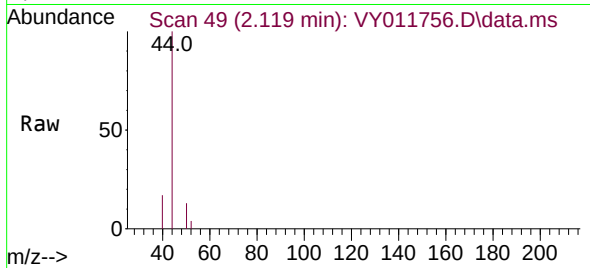




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

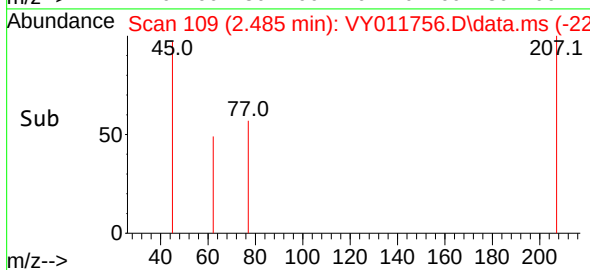
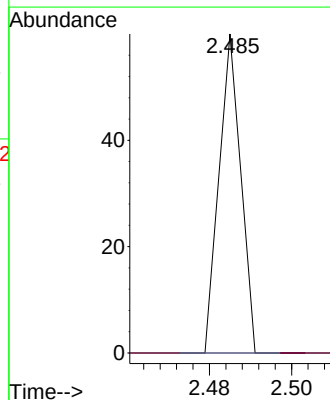
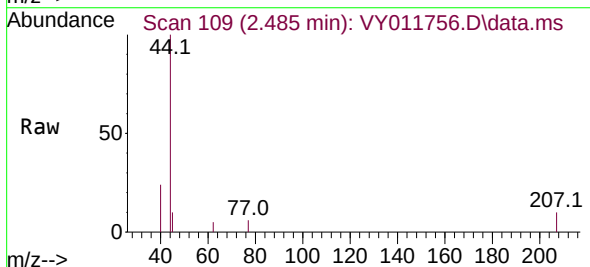
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

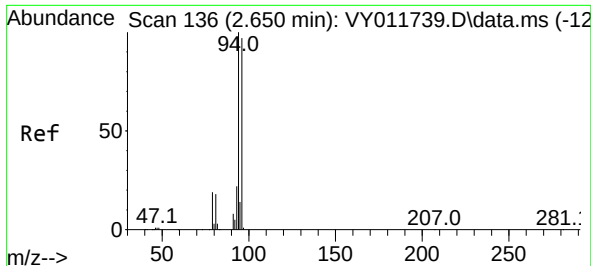
Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 31.7 26.8 40.2



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.485 min Scan# 109
Delta R.T. 0.232 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

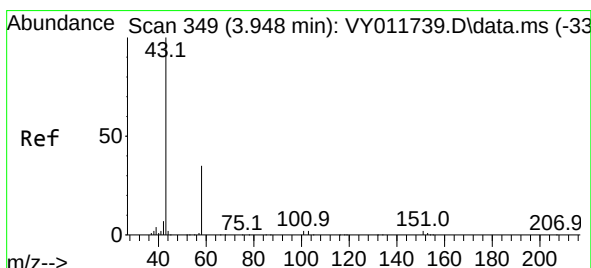
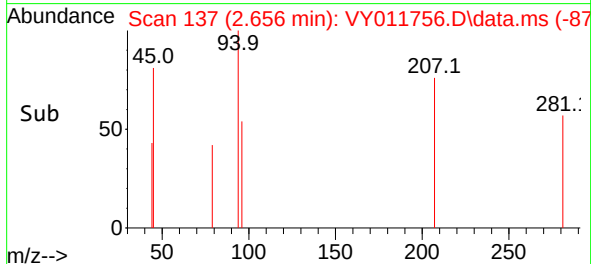
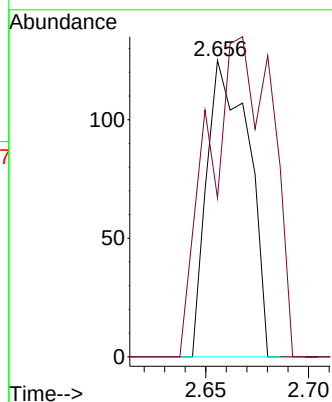
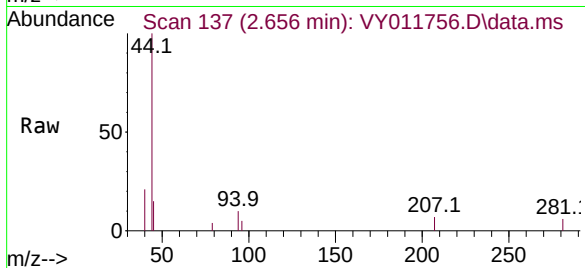




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

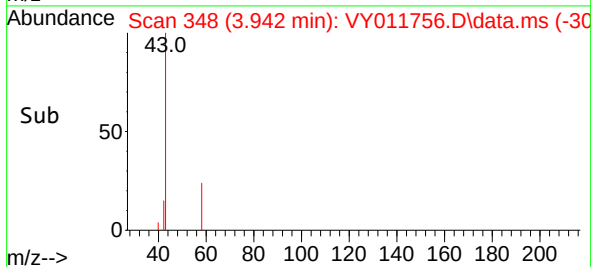
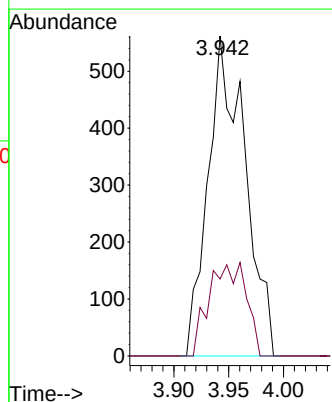
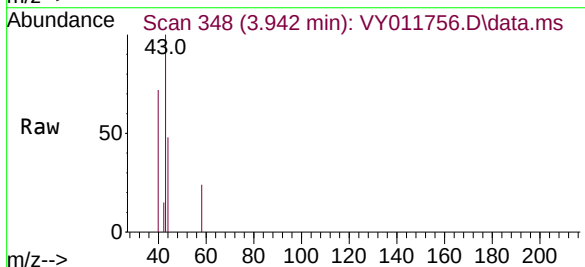
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

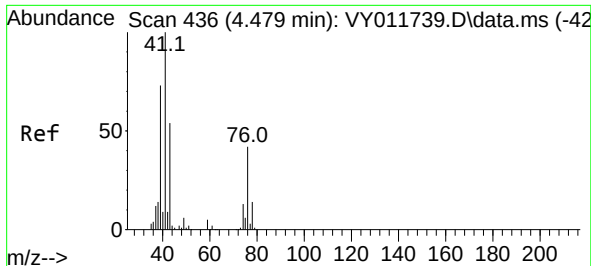
Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 53.6 77.4 116.2#



#16
Acetone
Concen: 2.311 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 24.0 27.9 41.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY011756.D

Acq: 09 Dec 2022 20:24

Instrument :

MSVOA_Y

ClientSampleId :

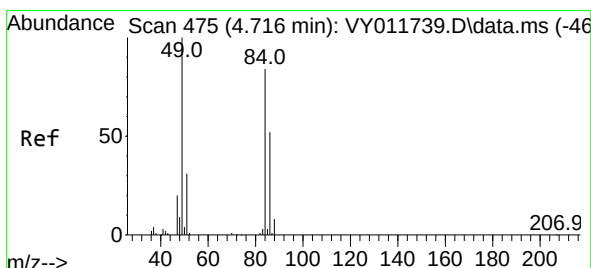
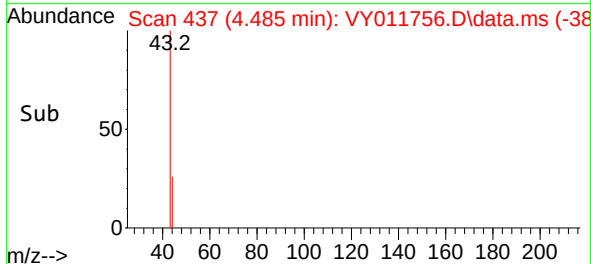
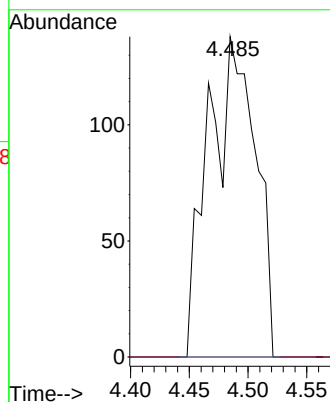
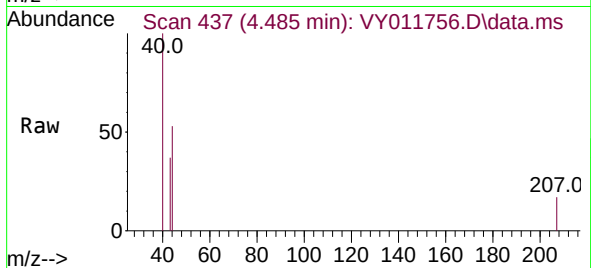
MH-20

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#



#20

Methylene Chloride

Concen: 3.709 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011756.D

Acq: 09 Dec 2022 20:24

Tgt Ion: 84 Resp: 18560

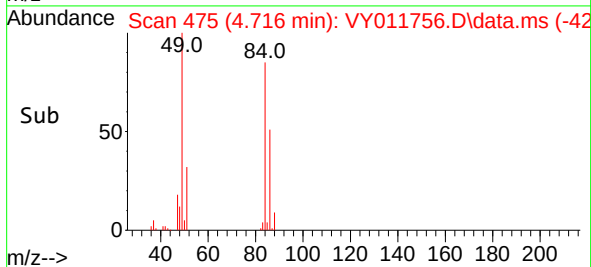
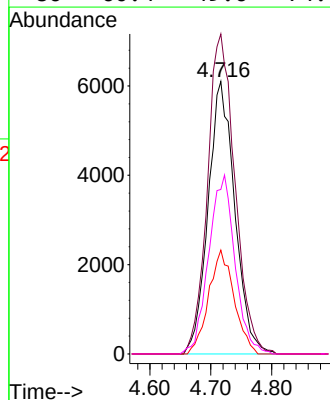
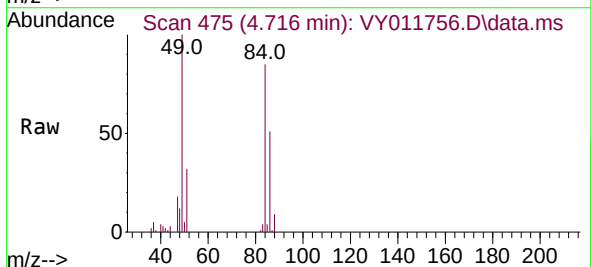
Ion Ratio Lower Upper

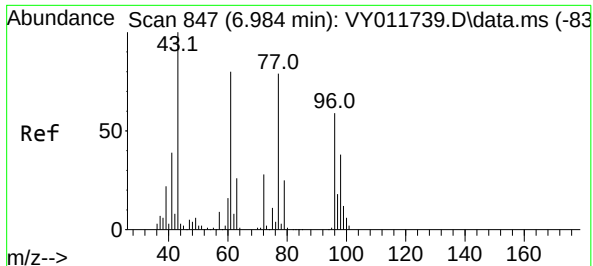
84 100

49 117.5 95.4 143.2

51 38.1 29.9 44.9

86 60.4 49.6 74.4

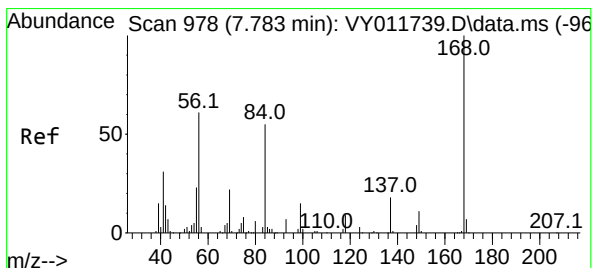
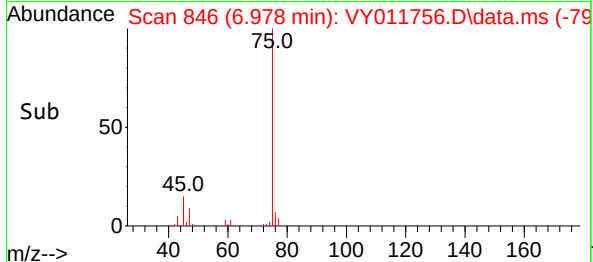
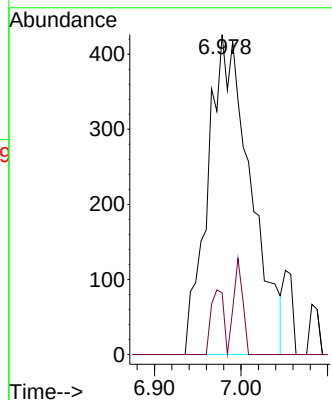
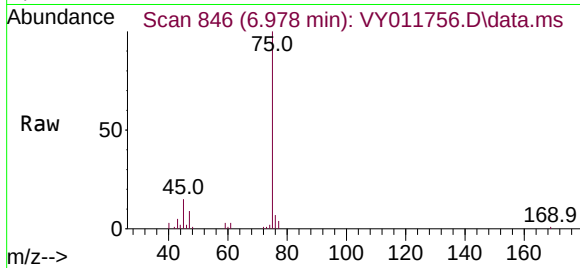




#25
2-Butanone
Concen: 1.987 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

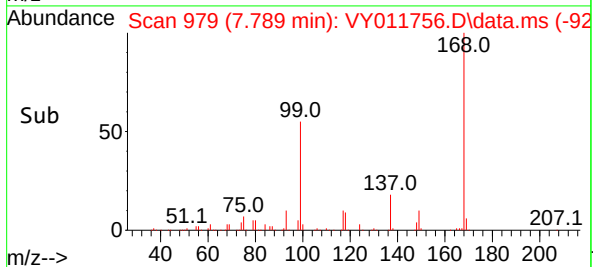
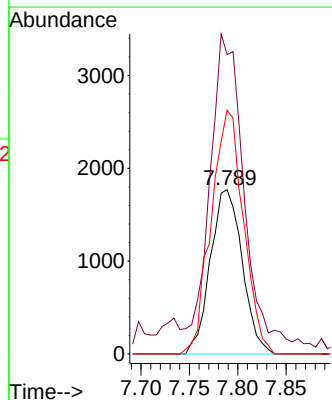
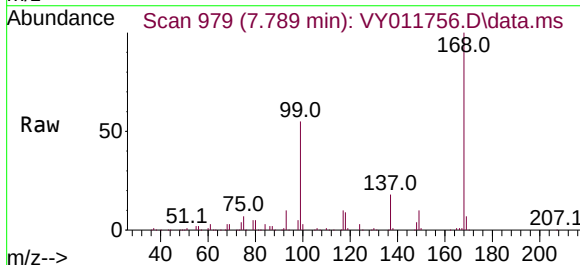
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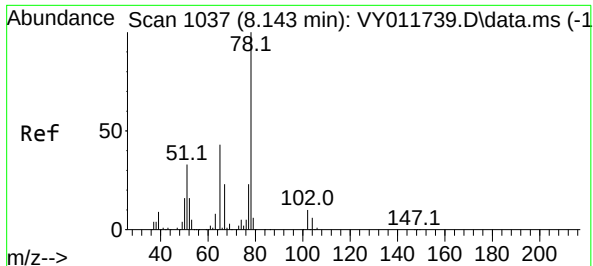
Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
72 19.2 22.6 34.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 56 Resp: 4052
Ion Ratio Lower Upper
56 100
69 168.7 29.2 43.8#
84 148.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 94.751 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011756.D

Acq: 09 Dec 2022 20:24

Instrument :

MSVOA_Y

ClientSampleId :

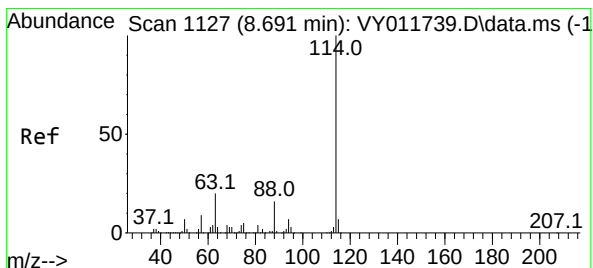
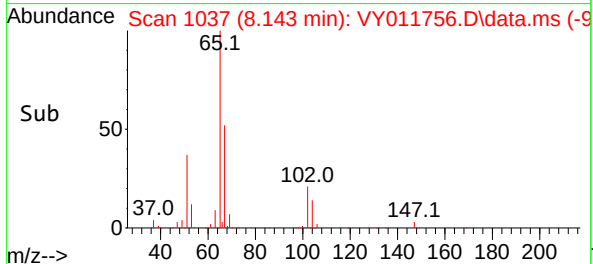
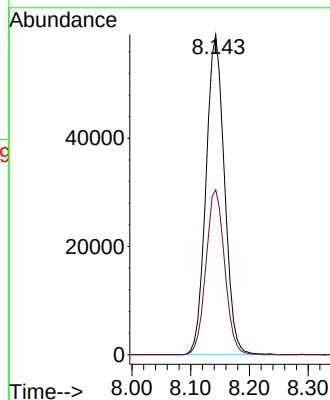
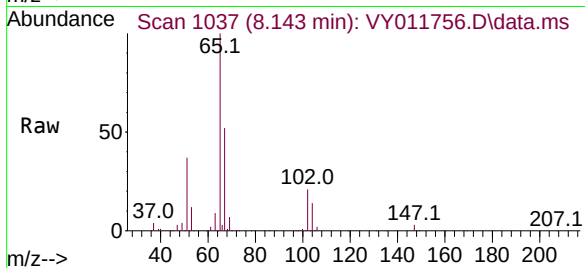
MH-20

Tgt Ion: 65 Resp: 128846

Ion Ratio Lower Upper

65 100

67 52.3 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: VY011756.D

Acq: 09 Dec 2022 20:24

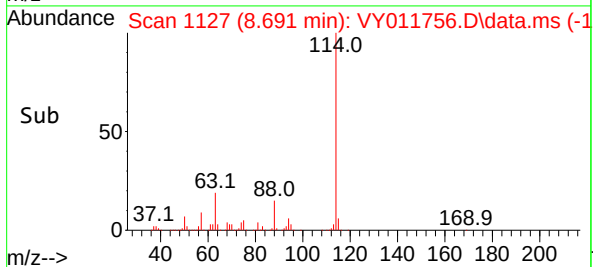
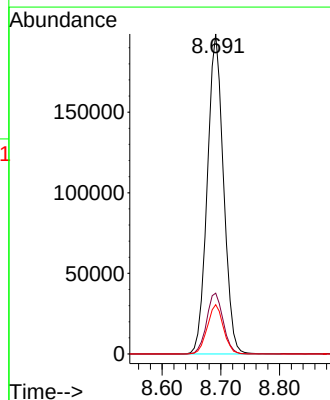
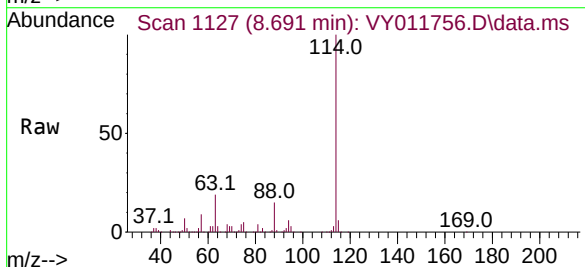
Tgt Ion: 114 Resp: 379323

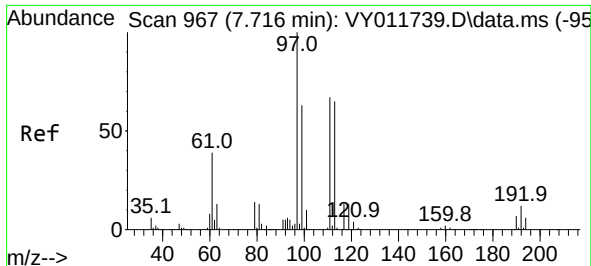
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.4 0.0 32.2

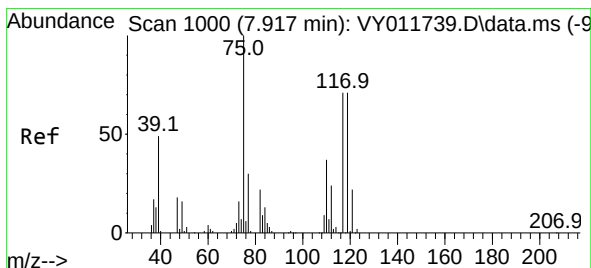
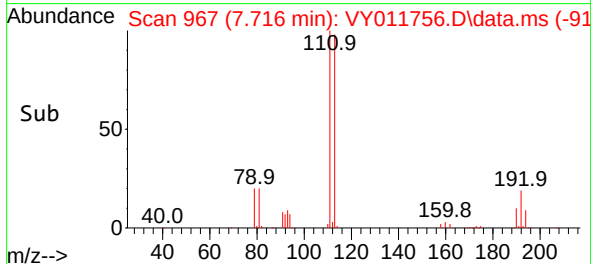
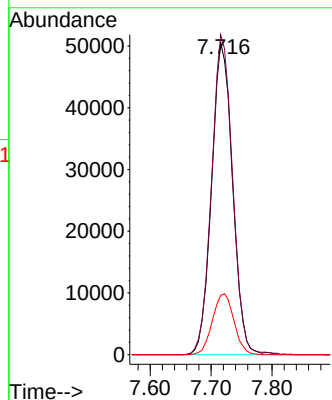
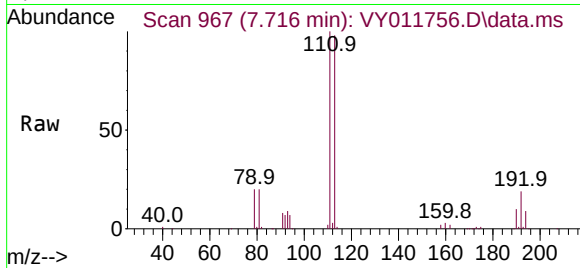




#35
Dibromofluoromethane
Concen: 73.419 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

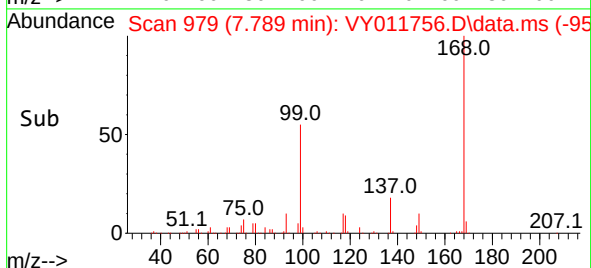
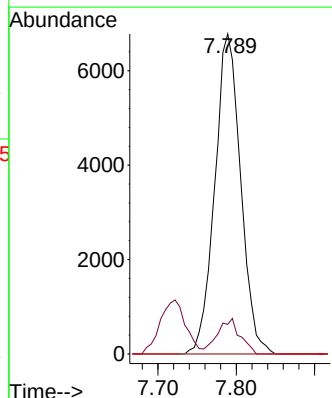
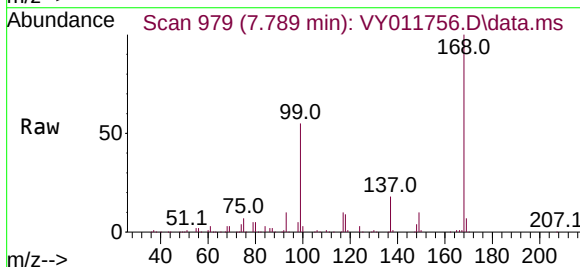
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

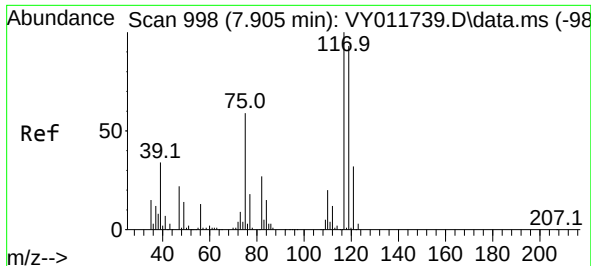
Tgt Ion:113 Resp: 120664
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 20.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.405 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 75 Resp: 15558
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.1#
77 0.0 25.1 37.7#

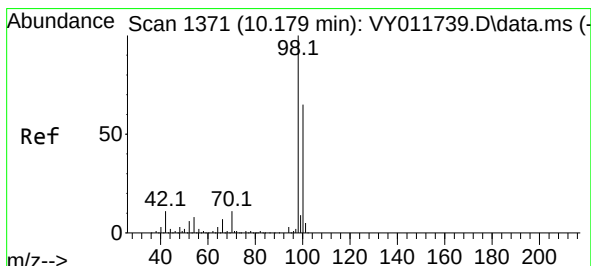
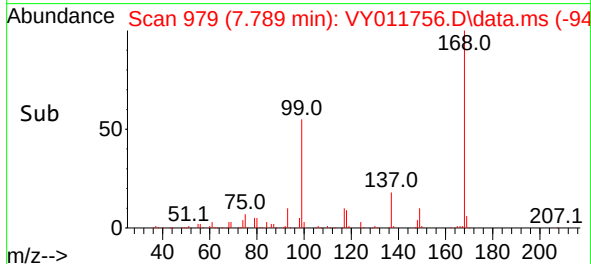
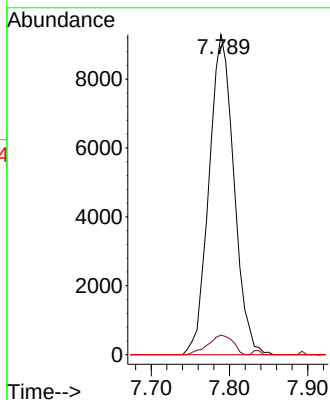
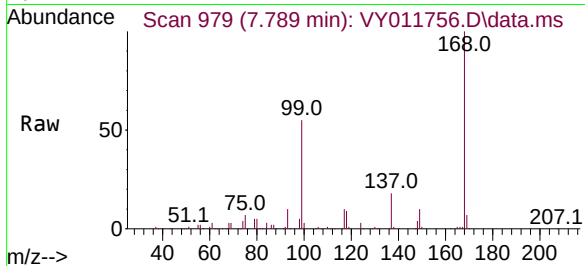




#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

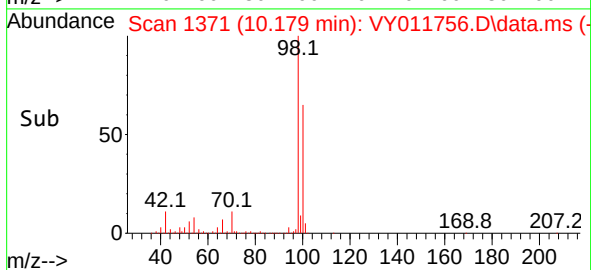
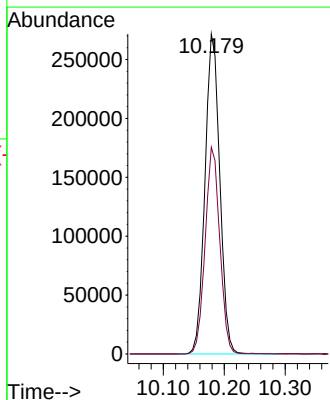
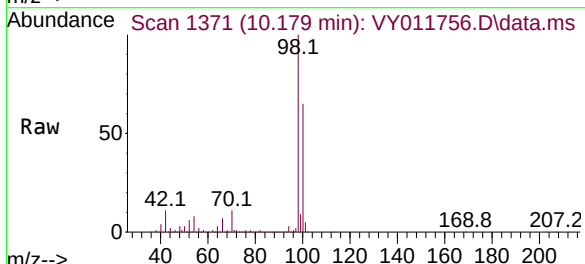
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

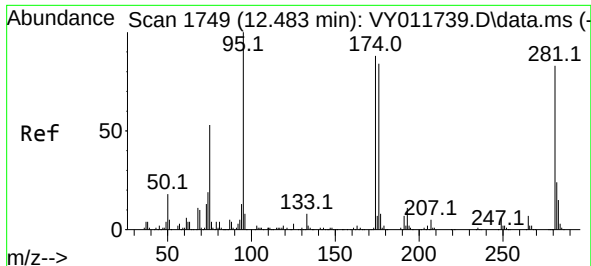
Tgt Ion:117 Resp: 20554
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 88.366 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 98 Resp: 460119
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

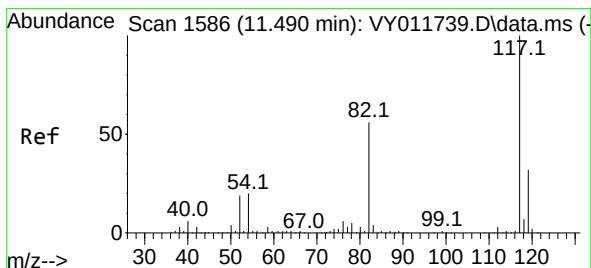
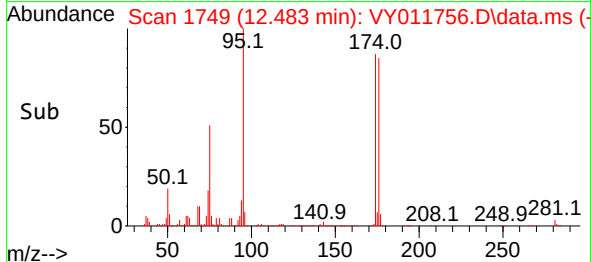
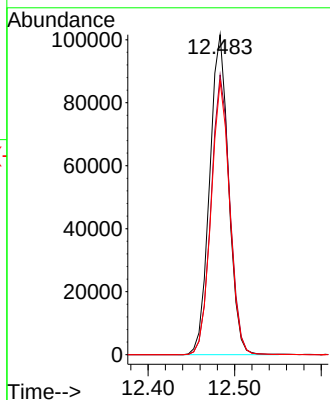
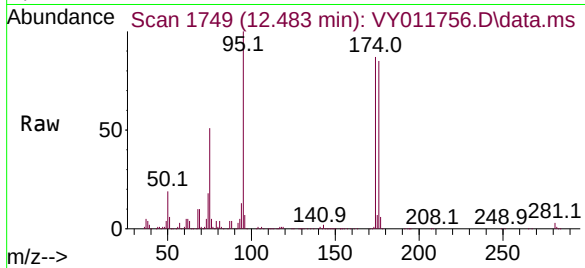




#62
4-Bromofluorobenzene
Concen: 72.194 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

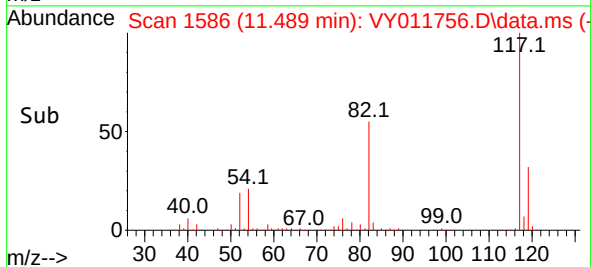
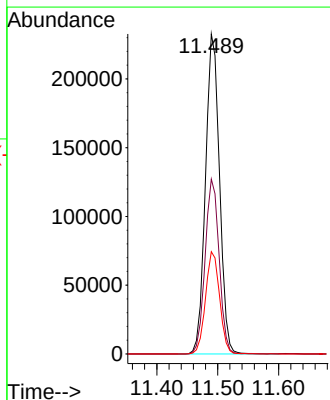
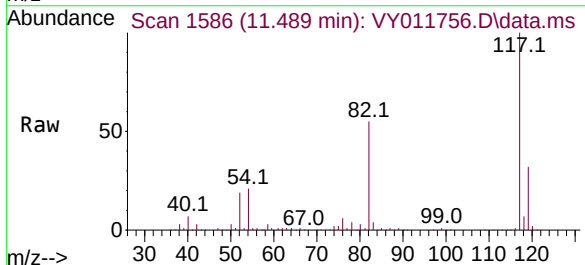
Instrument :
MSVOA_Y
ClientSampleId :
MH-20

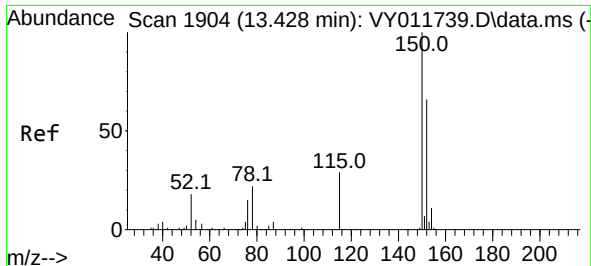
Tgt Ion: 95 Resp: 154312
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.0
176 84.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011756.D
Acq: 09 Dec 2022 20:24

Tgt Ion: 117 Resp: 372412
Ion Ratio Lower Upper
117 100
82 54.7 44.8 67.2
119 31.9 25.4 38.2

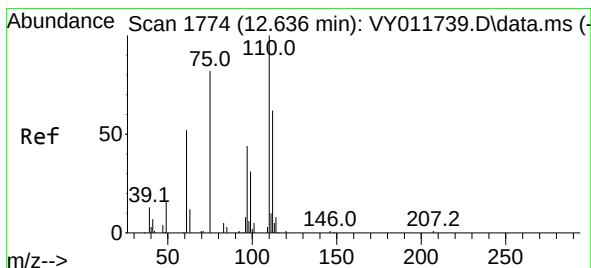
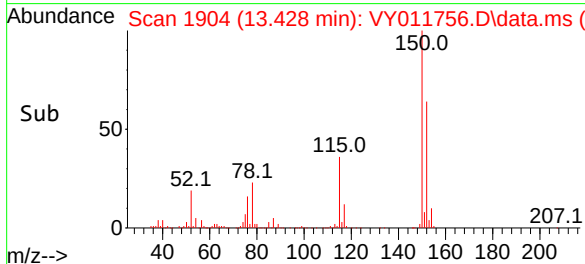
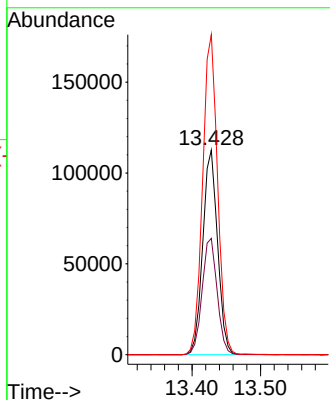
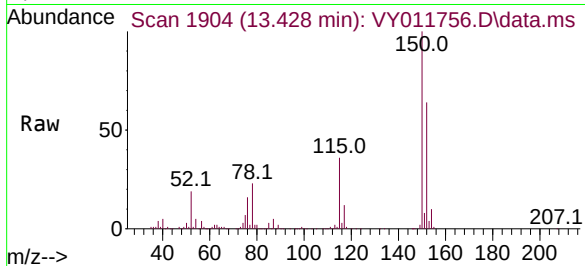




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011756.D
 Acq: 09 Dec 2022 20:24

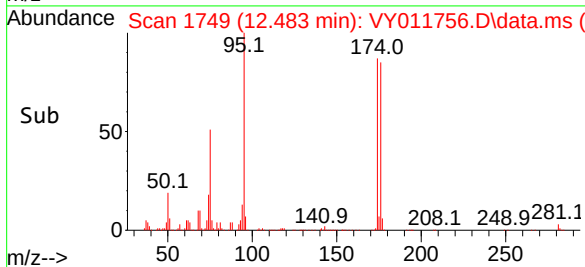
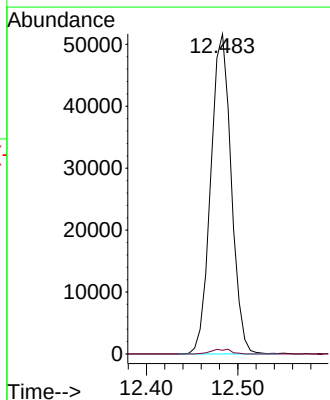
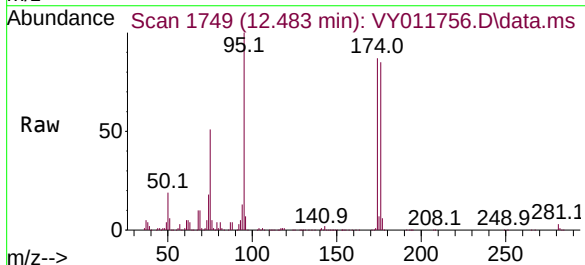
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20

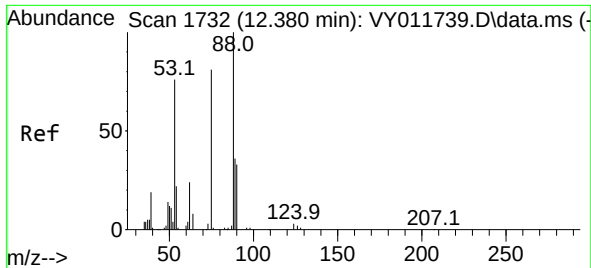
Tgt Ion:152 Resp: 169255
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.1 87.3
 150 157.8 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 46.996 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011756.D
 Acq: 09 Dec 2022 20:24

Tgt Ion: 75 Resp: 80477
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.644 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011756.D
 Acq: 09 Dec 2022 20:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-20

Tgt Ion: 75 Resp: 80477
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#

