

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011799.D
 Acq On : 13 Dec 2022 17:19
 Operator : KP/MD
 Sample : N6048-01
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-22

Quant Time: Dec 13 22:19:05 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)

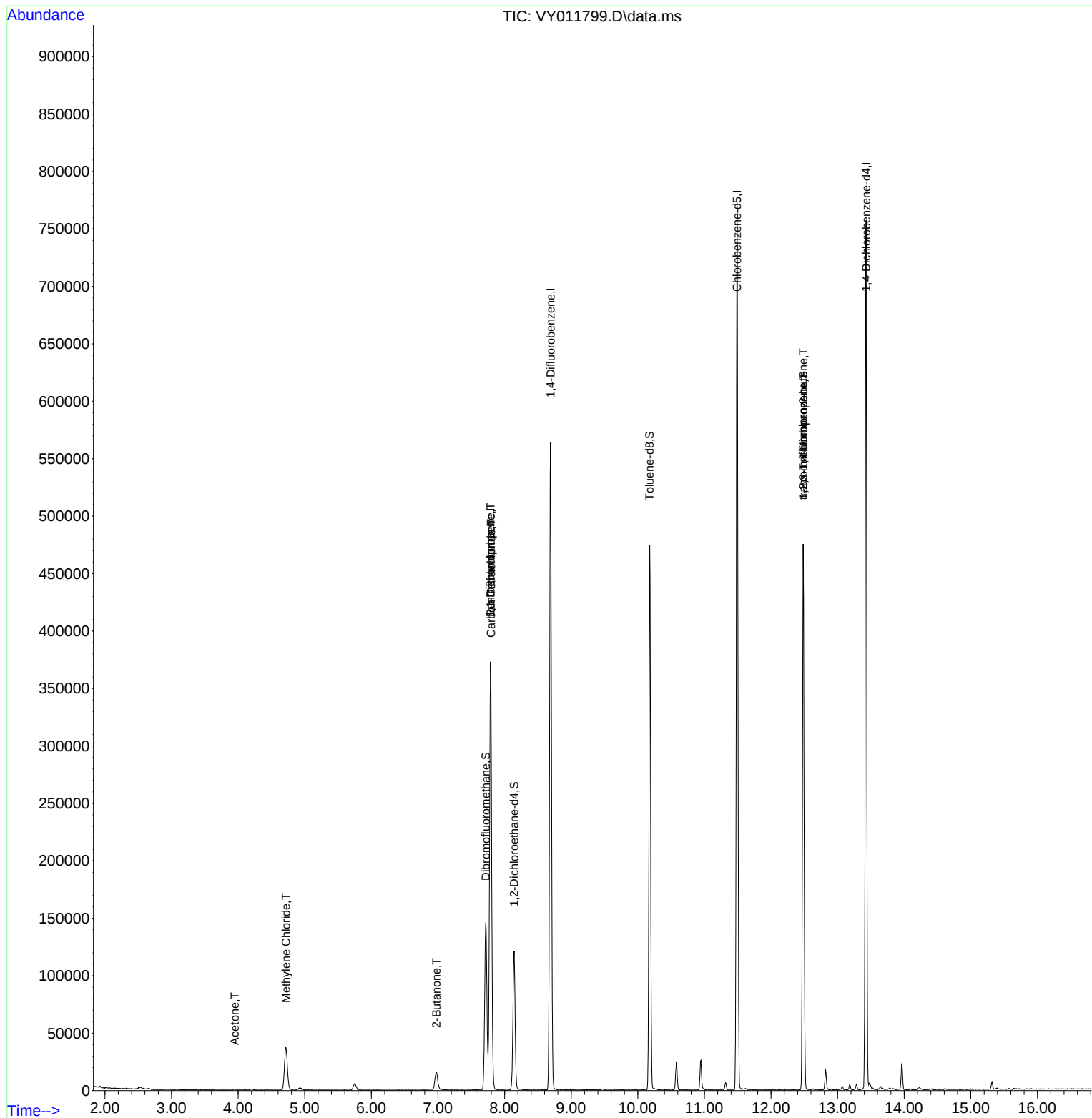
Internal Standards						
1) Pentafluorobenzene	7.789	168	288300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	480526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	420566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96012	48.677	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.716	113	103322	48.260	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.520%		
50) Toluene-d8	10.179	98	307798	43.051	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.100%		
62) 4-Bromofluorobenzene	12.483	95	119551	42.199	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	113	Below Cal	#	41
3) Chloromethane	2.113	50	114	Below Cal	#	41
5) Bromomethane	2.662	94	93	Below Cal	#	66
11) Tert butyl alcohol	4.930	59	2487	Below Cal	#	74
16) Acetone	3.948	43	1222	1.552 ug/l	#	78
18) Methyl Acetate	4.710	43	57	Below Cal	#	50
20) Methylene Chloride	4.716	84	28375	4.817 ug/l		94
25) 2-Butanone	6.978	43	1611	1.591 ug/l	#	46
31) Cyclohexane	7.789	56	5783	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21340	5.852 ug/l	#	49
38) Carbon Tetrachloride	7.795	117	27988	6.534 ug/l	#	18
76) 1,2,3-Trichloropropane	12.483	75	63547	32.266 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63547	73.219 ug/l	#	13

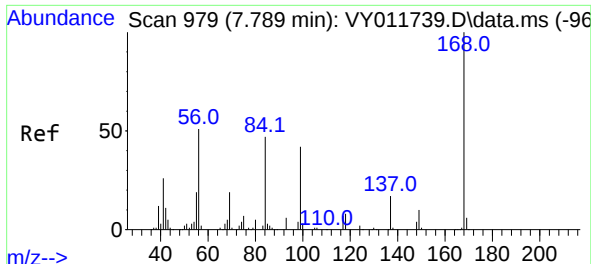
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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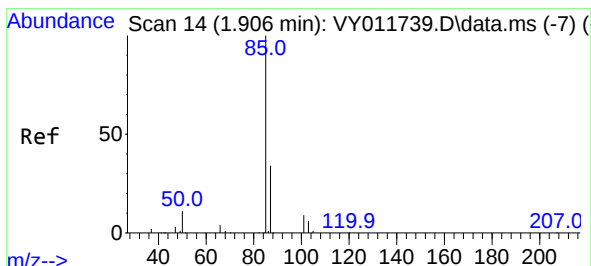
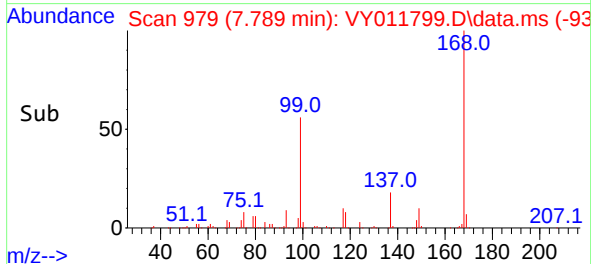
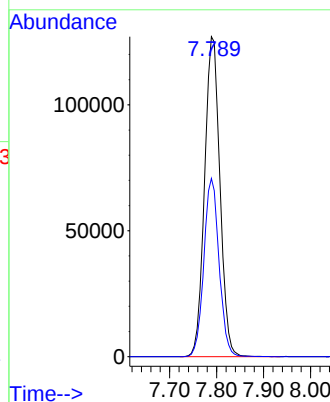
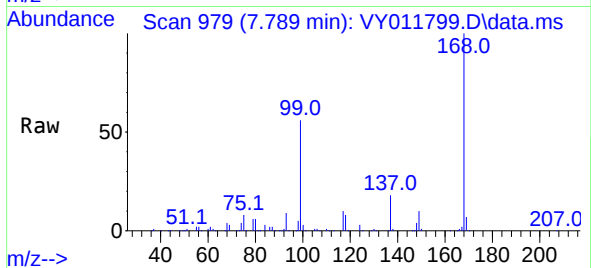




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

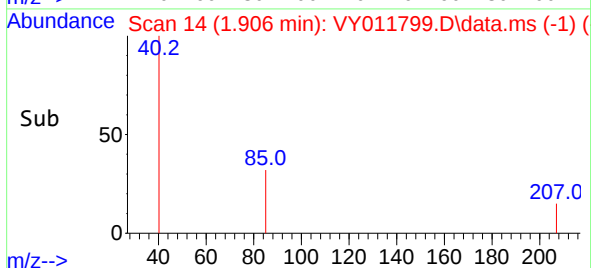
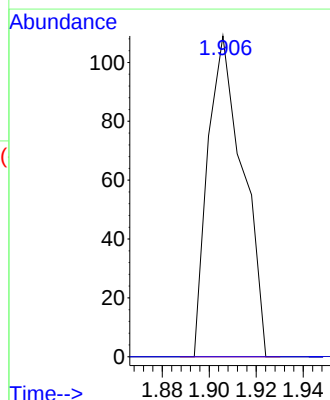
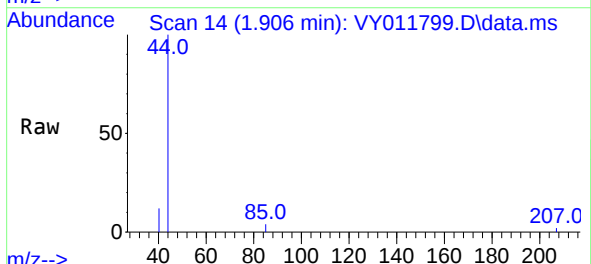
Instrument :
MSVOA_Y
ClientSampleId :
MH-22

Tgt Ion:168 Resp: 288300
Ion Ratio Lower Upper
168 100
99 55.7 44.0 66.0

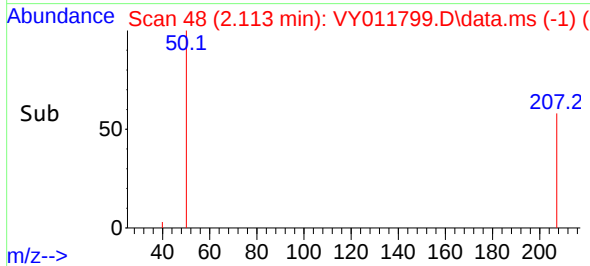
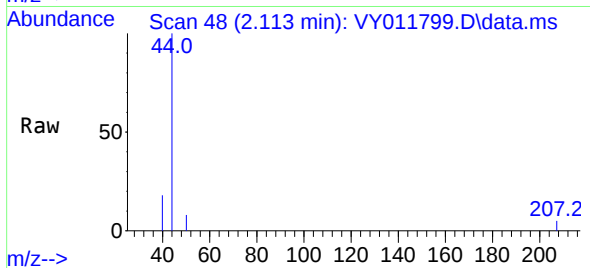
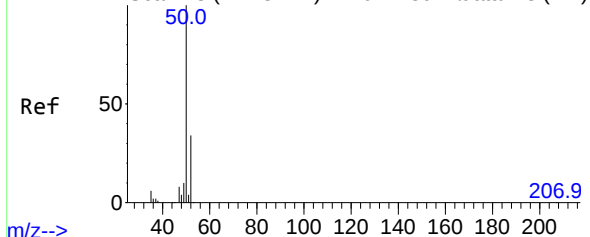


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 85 Resp: 113
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY011799.D

Acq: 13 Dec 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

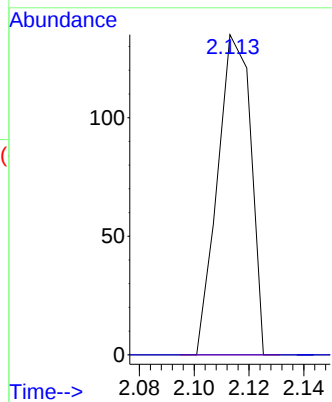
MH-22

Tgt Ion: 50 Resp: 114

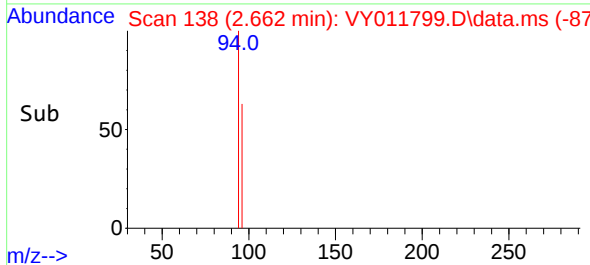
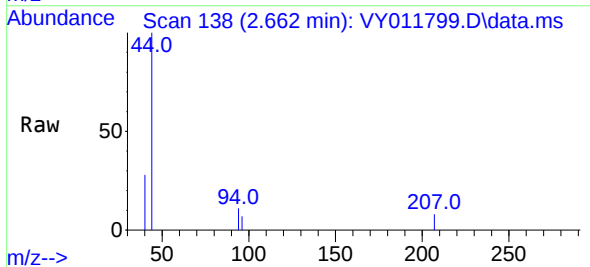
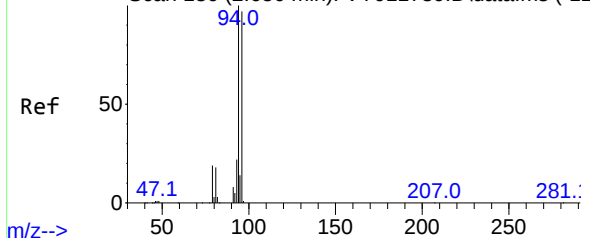
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



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



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY011799.D

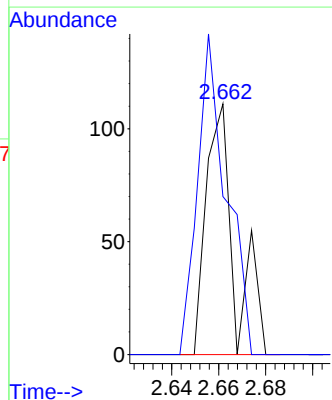
Acq: 13 Dec 2022 17:19

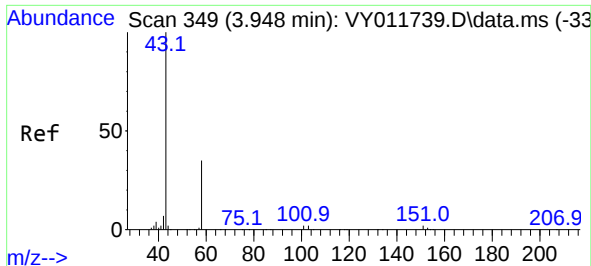
Tgt Ion: 94 Resp: 93

Ion Ratio Lower Upper

94 100

96 63.1 77.4 116.2#

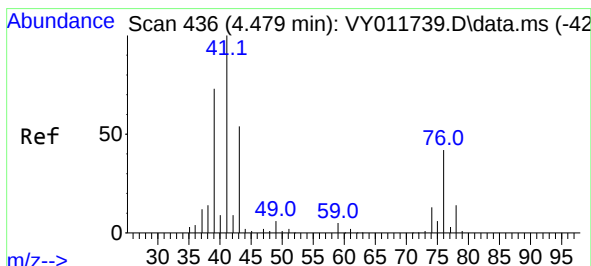
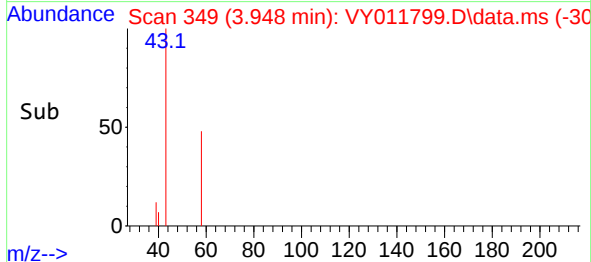
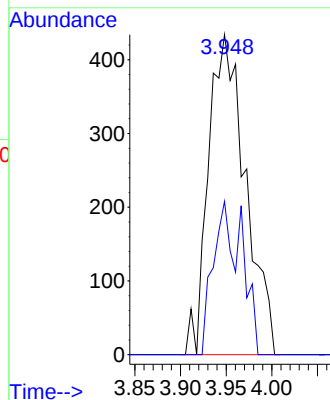
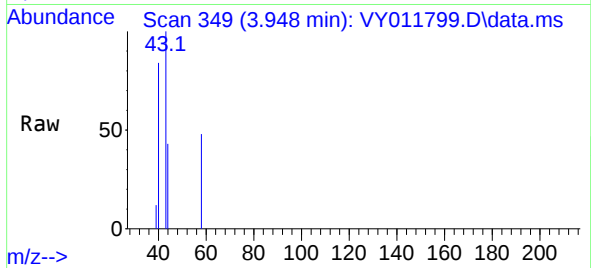




#16
Acetone
Concen: 1.552 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

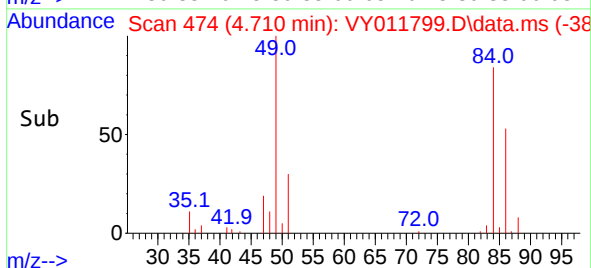
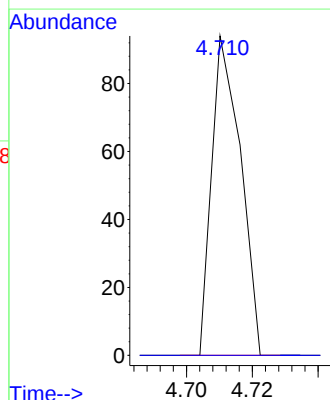
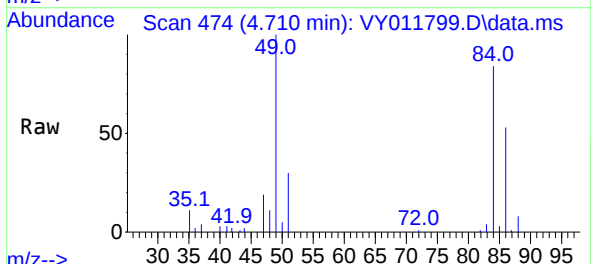
Instrument :
MSVOA_Y
ClientSampleId :
MH-22

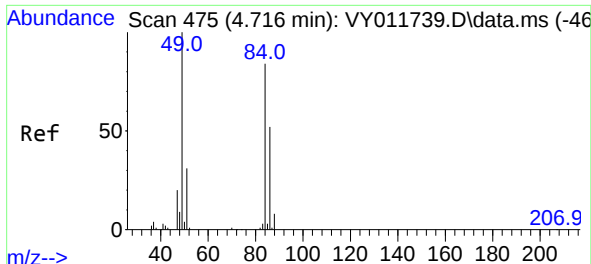
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 47.9 27.9 41.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.231 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



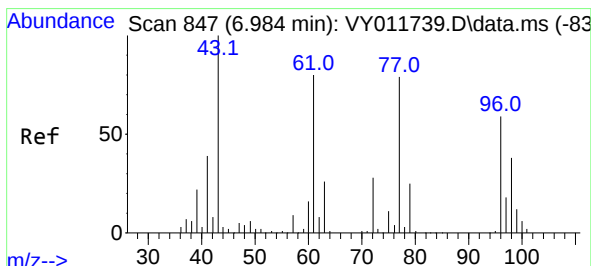
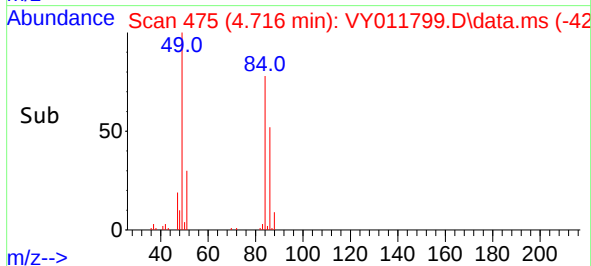
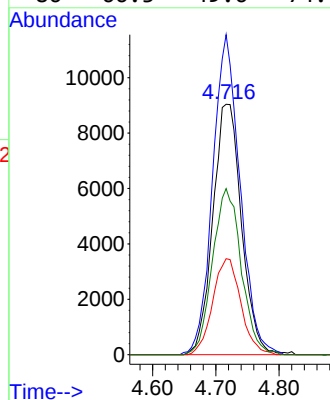
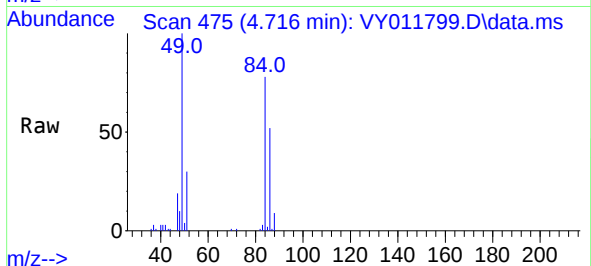


#20
Methylene Chloride
Concen: 4.817 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
MH-22

Tgt Ion: 84 Resp: 28375

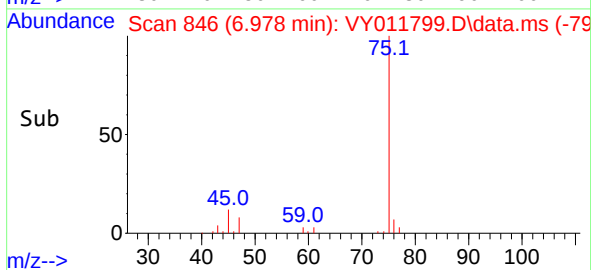
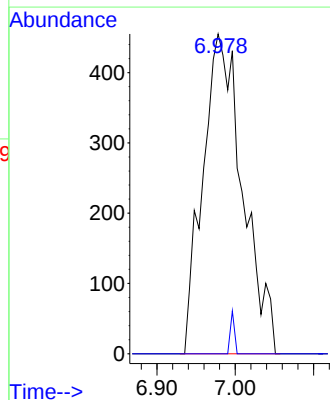
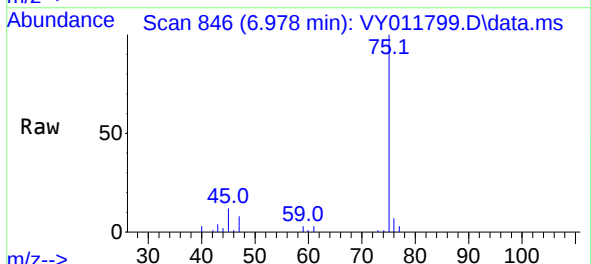
Ion	Ratio	Lower	Upper
84	100		
49	127.8	95.4	143.2
51	38.3	29.9	44.9
86	66.3	49.6	74.4

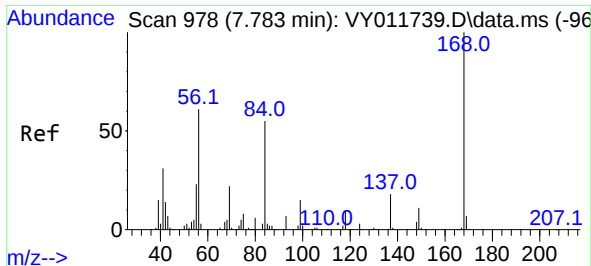


#25
2-Butanone
Concen: 1.591 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 43 Resp: 1611

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

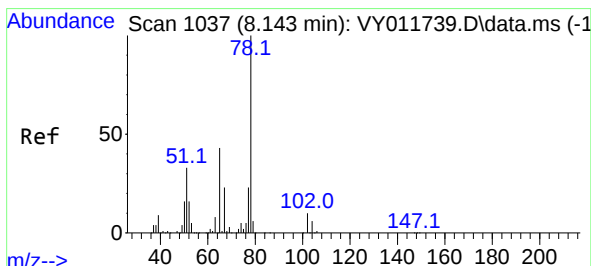
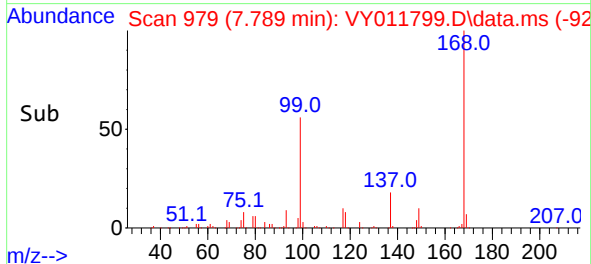
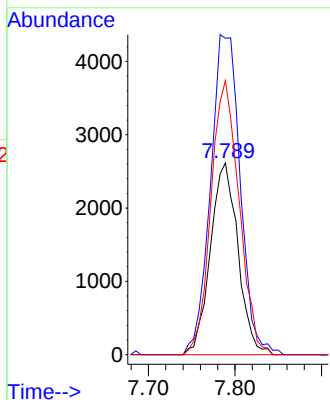
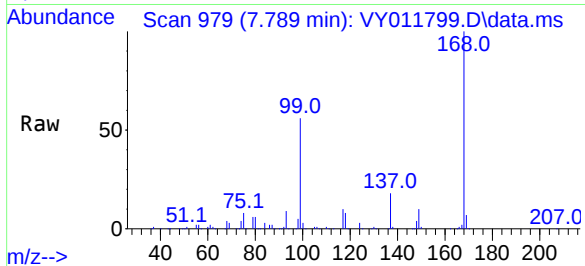




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

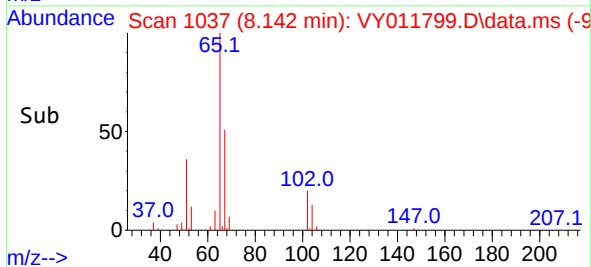
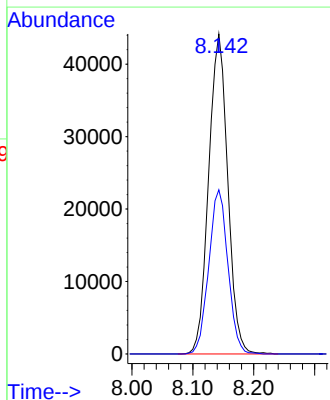
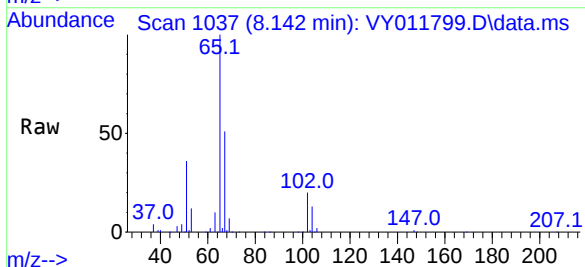
Instrument :
MSVOA_Y
ClientSampleId :
MH-22

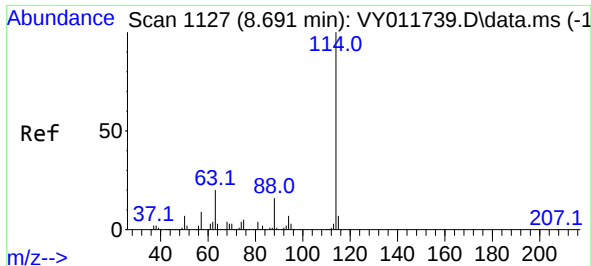
Tgt Ion: 56 Resp: 5783
Ion Ratio Lower Upper
56 100
69 165.0 29.2 43.8#
84 142.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 48.677 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 65 Resp: 96012
Ion Ratio Lower Upper
65 100
67 51.5 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: VY011799.D

Acq: 13 Dec 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-22

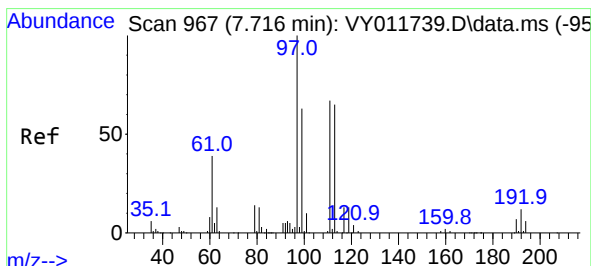
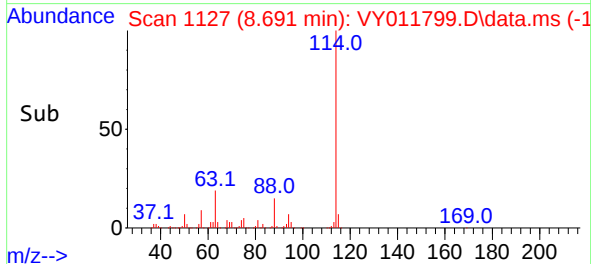
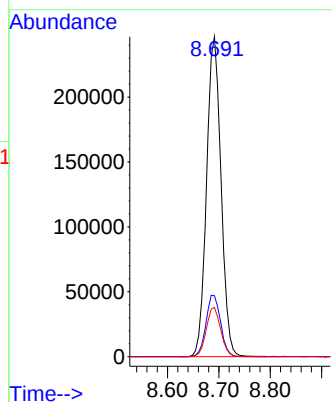
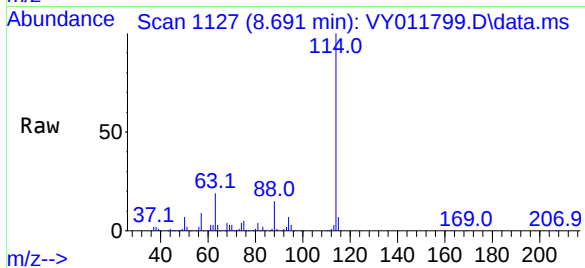
Tgt Ion:114 Resp: 480526

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.260 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011799.D

Acq: 13 Dec 2022 17:19

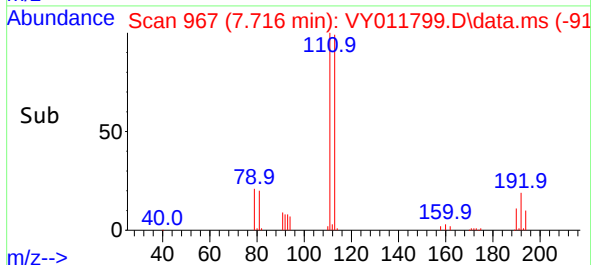
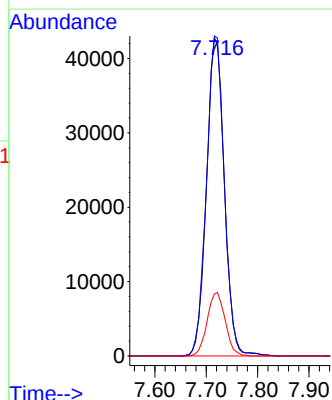
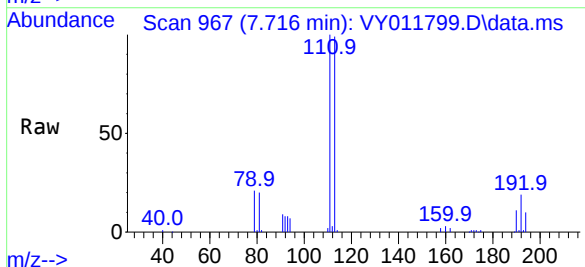
Tgt Ion:113 Resp: 103322

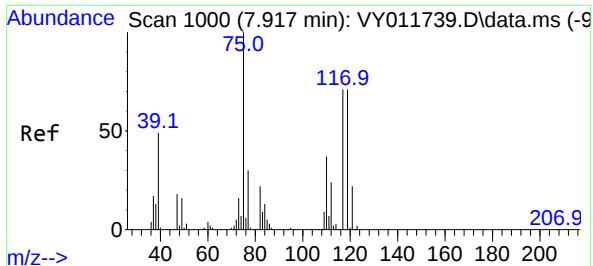
Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

192 20.1 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.852 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011799.D

Acq: 13 Dec 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-22

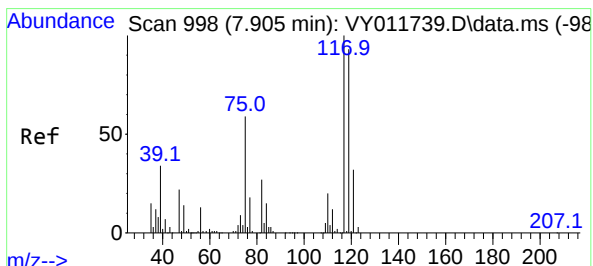
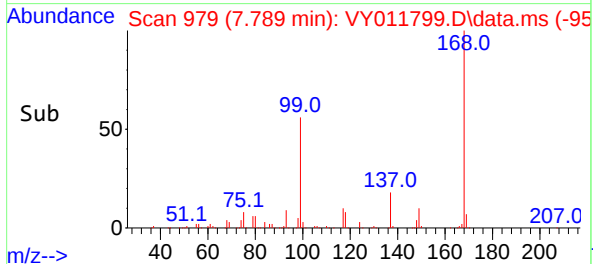
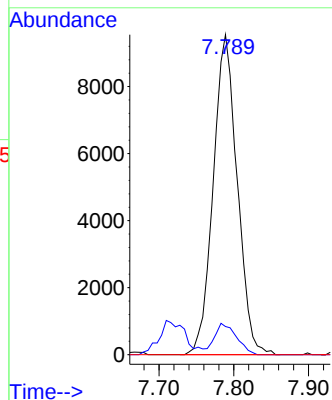
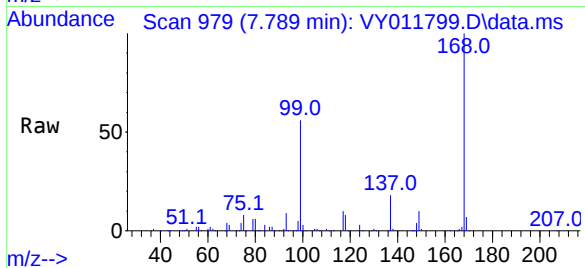
Tgt Ion: 75 Resp: 21340

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.534 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY011799.D

Acq: 13 Dec 2022 17:19

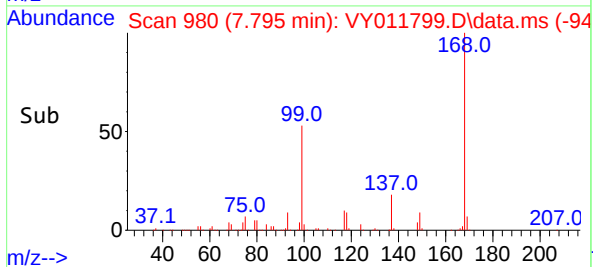
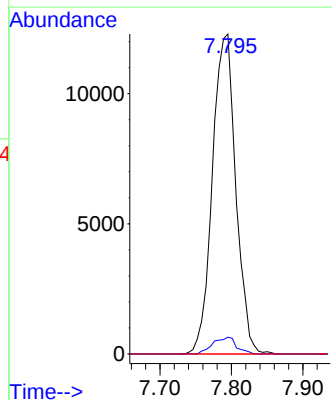
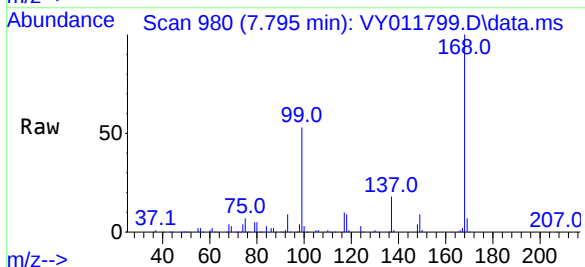
Tgt Ion: 117 Resp: 27988

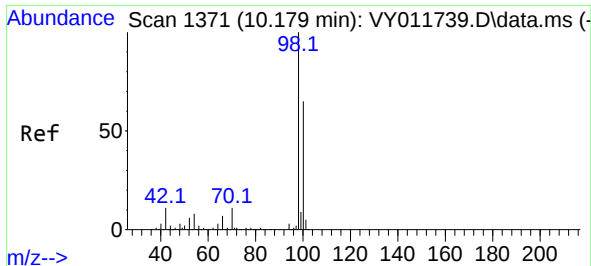
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

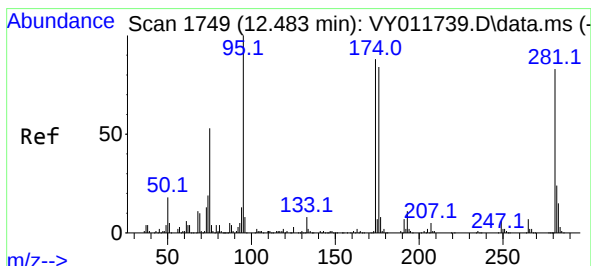
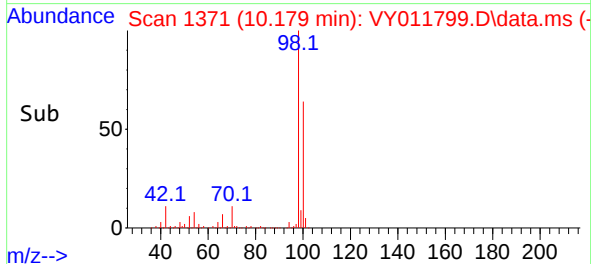
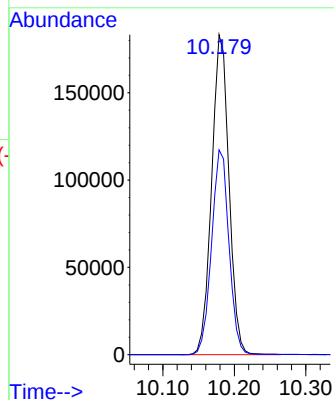
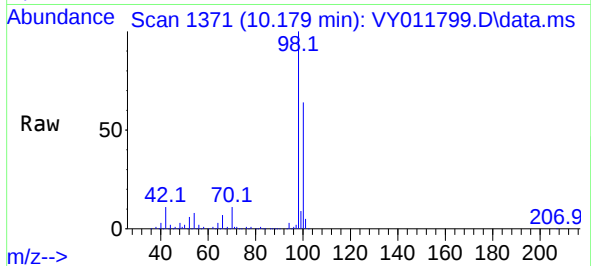




#50
Toluene-d8
Concen: 43.051 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

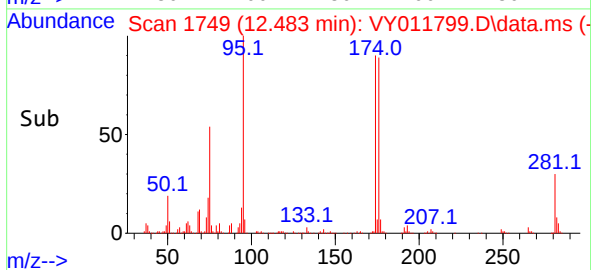
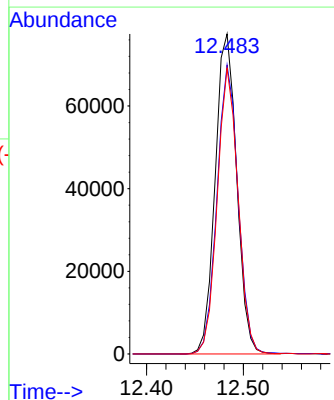
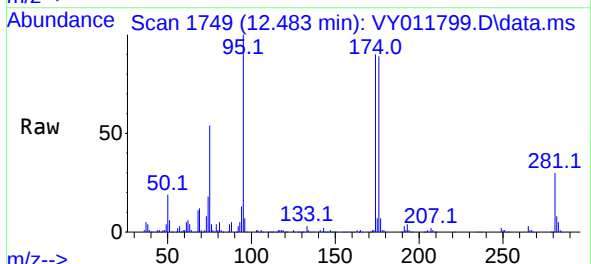
Instrument :
MSVOA_Y
ClientSampleId :
MH-22

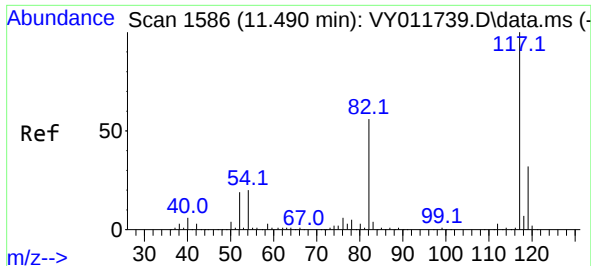
Tgt Ion: 98 Resp: 307798
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.199 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 95 Resp: 119551
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.0
176 86.1 0.0 167.6

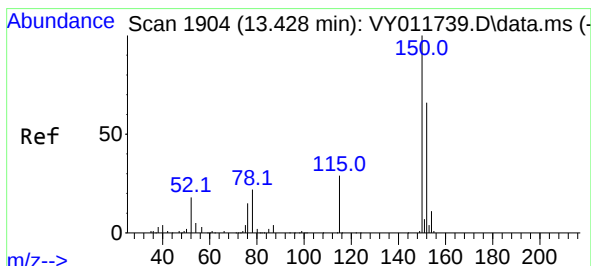
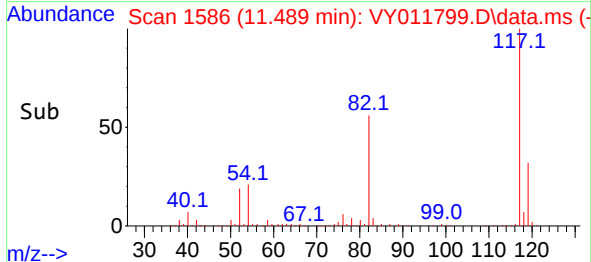
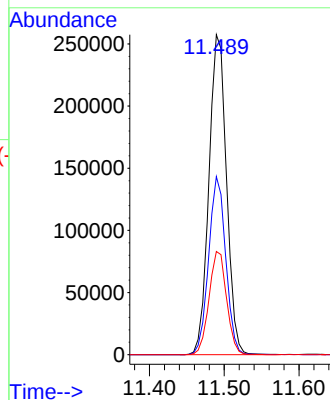
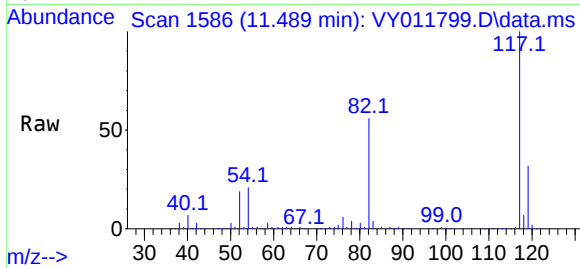




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

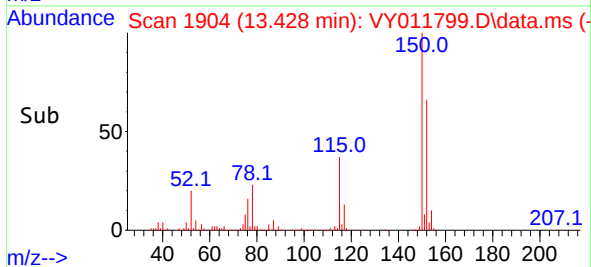
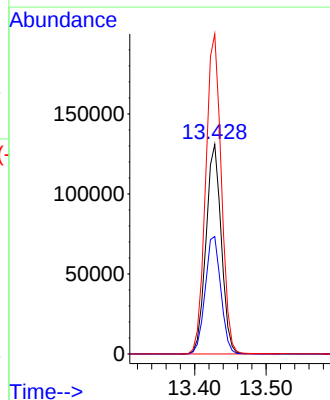
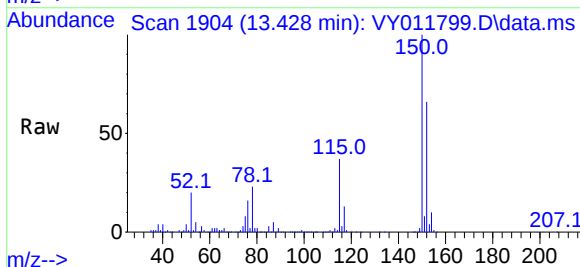
Instrument :
MSVOA_Y
ClientSampleId :
MH-22

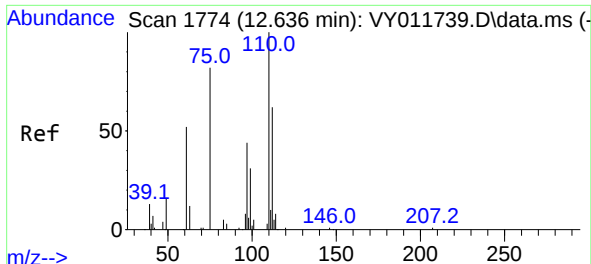
Tgt Ion:117 Resp: 420566
Ion Ratio Lower Upper
117 100
82 55.7 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion:152 Resp: 194661
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 155.7 0.0 342.6

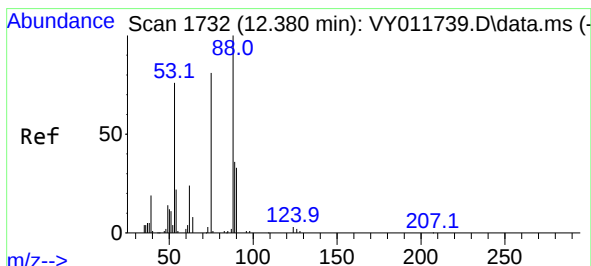
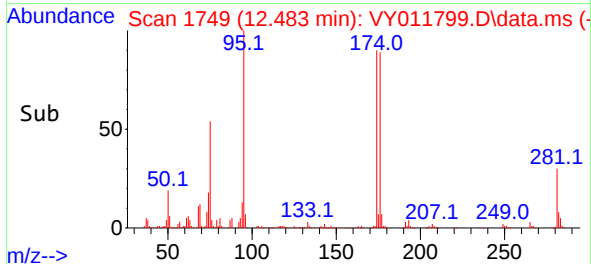
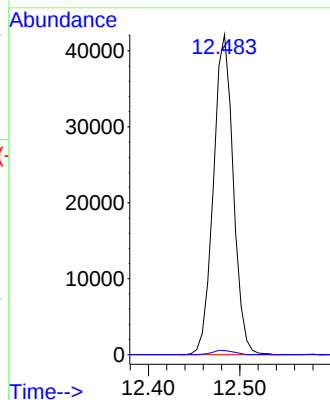
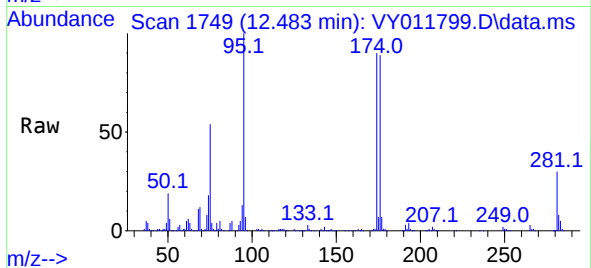




#76
1,2,3-Trichloropropane
Concen: 32.266 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
MH-22

Tgt Ion: 75 Resp: 63547
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.219 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011799.D
Acq: 13 Dec 2022 17:19

Tgt Ion: 75 Resp: 63547
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.3 37.0 55.4#

