

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011619.D
 Acq On : 29 Nov 2022 14:00
 Operator : KP/MD
 Sample : N5796-01
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-15

Quant Time: Nov 30 04:42:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

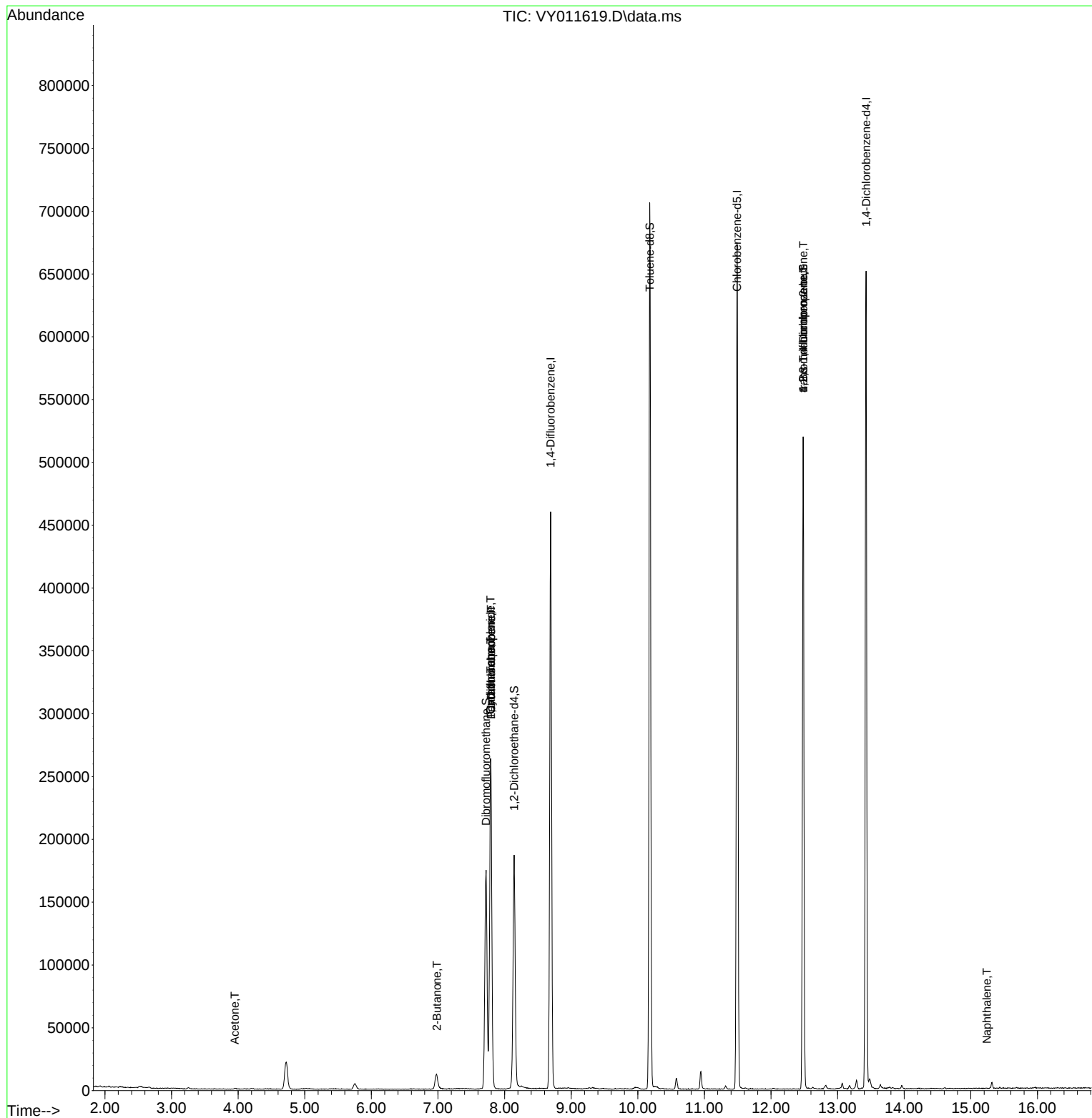
Internal Standards						
1) Pentafluorobenzene	7.795	168	203095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	379065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	364894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139127	67.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.920%	
35) Dibromofluoromethane	7.722	113	122483	52.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.980%	
50) Toluene-d8	10.179	98	462457	54.537	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.080%	
62) 4-Bromofluorobenzene	12.483	95	152822	48.744	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	142	Below Cal	#	43
3) Chloromethane	2.119	50	229	Below Cal	#	55
5) Bromomethane	2.674	94	193	Below Cal		86
11) Tert butyl alcohol	4.948	59	260	Below Cal	#	77
16) Acetone	3.948	43	1038	1.550	ug/l	97
18) Methyl Acetate	4.485	43	362	Below Cal	#	56
20) Methylene Chloride	4.722	84	16192	Below Cal		87
25) 2-Butanone	6.984	43	1267	1.439	ug/l #	54
31) Cyclohexane	7.789	56	4306	1.260	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	16138	4.424	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20595	5.047	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	80444	46.104	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	80444	100.982	ug/l #	7
95) Naphthalene	15.239	128	347	4.076	ug/l #	69

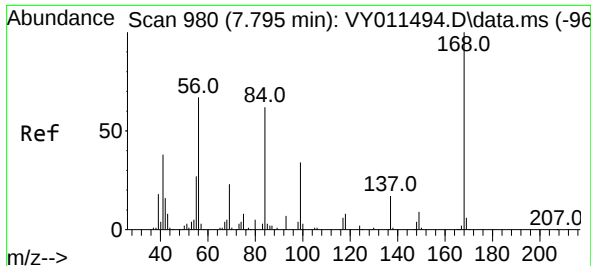
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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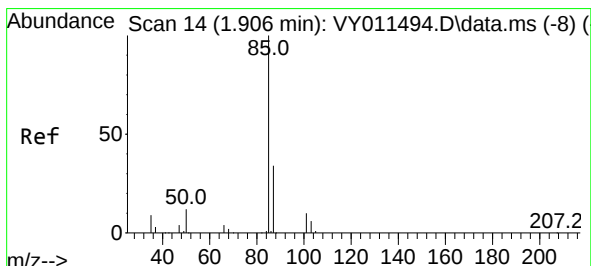
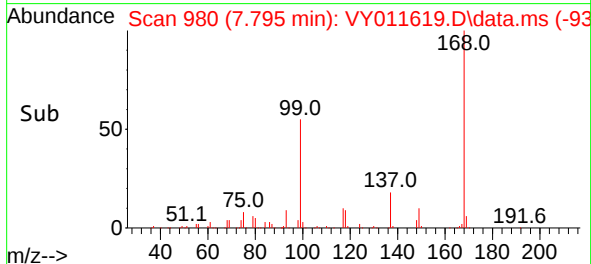
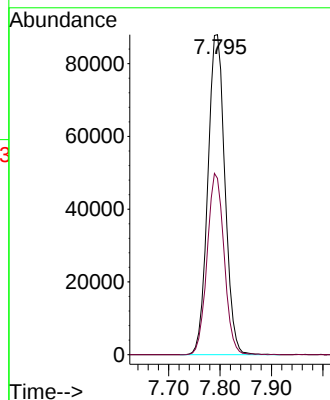
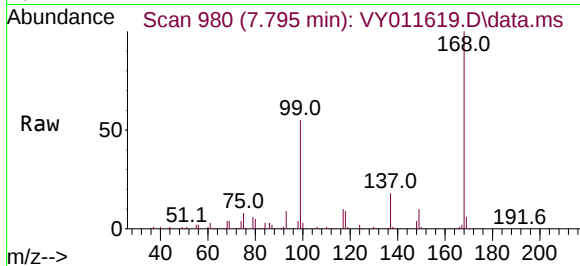




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

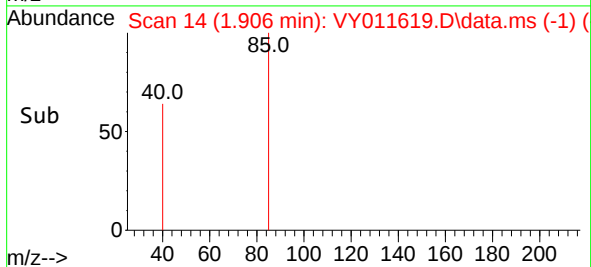
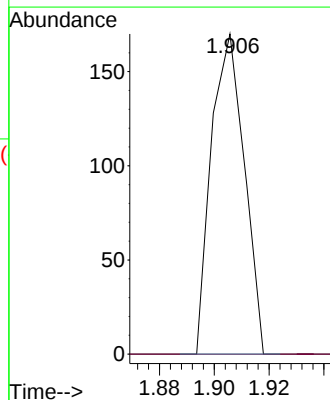
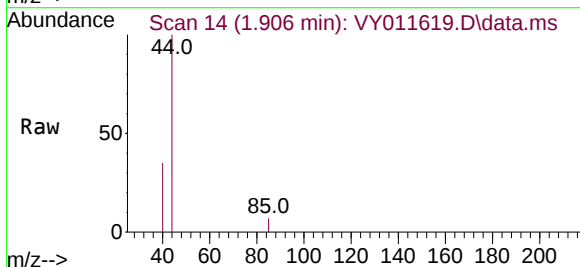
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

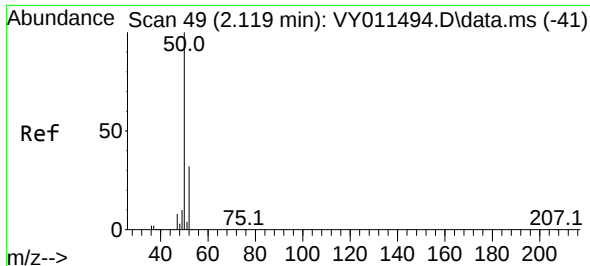
Tgt Ion:168 Resp: 203095
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 85 Resp: 142
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

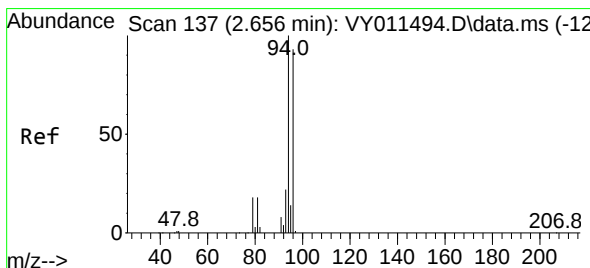
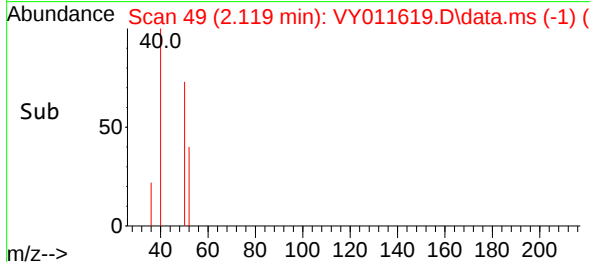
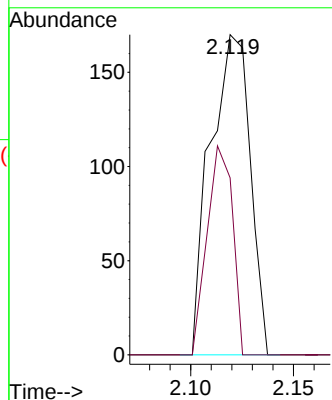
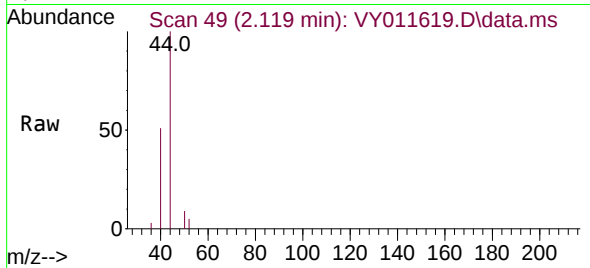




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

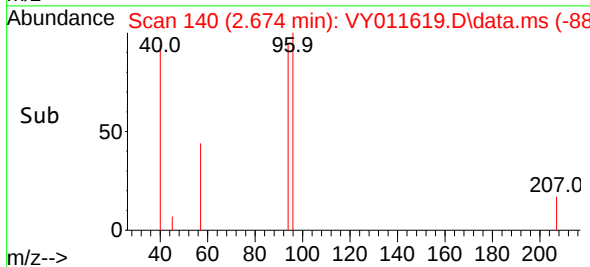
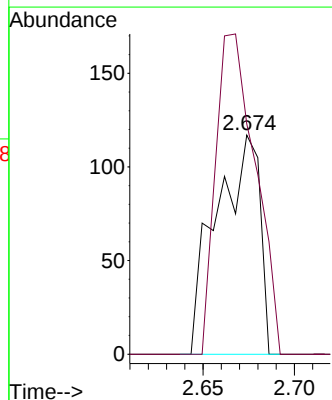
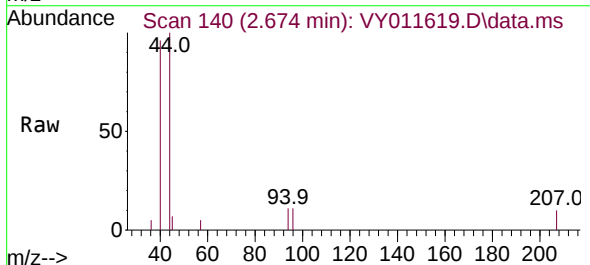
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

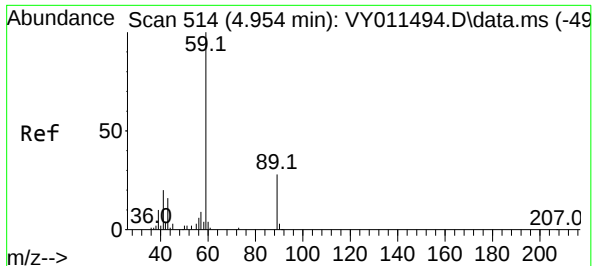
Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 55.3 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 105.1 73.5 110.3

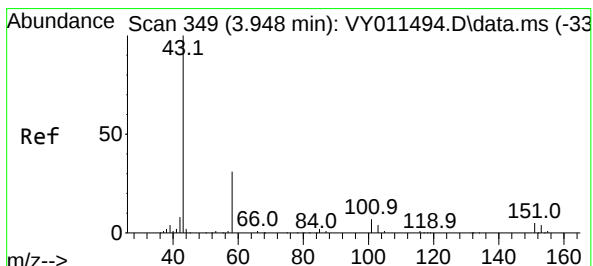
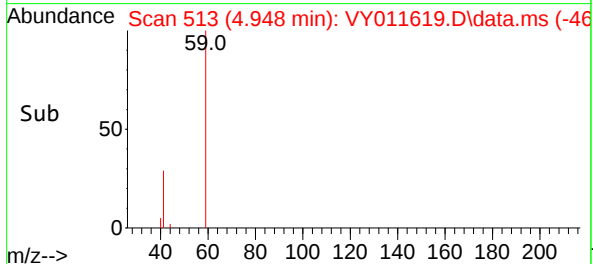
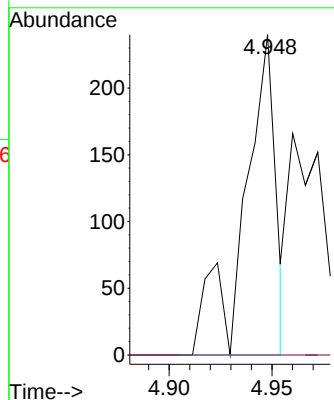
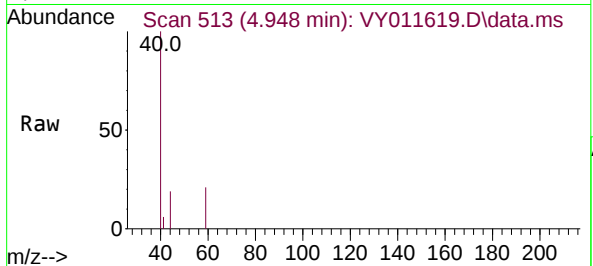




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

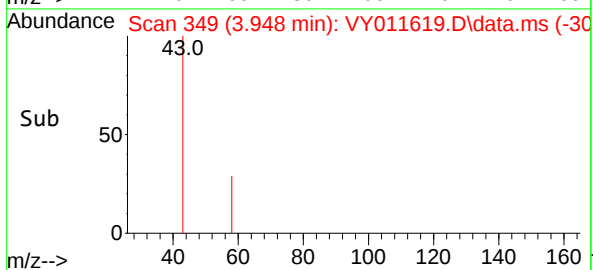
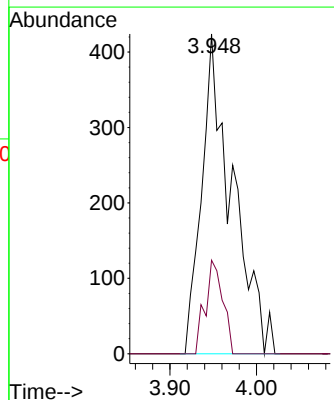
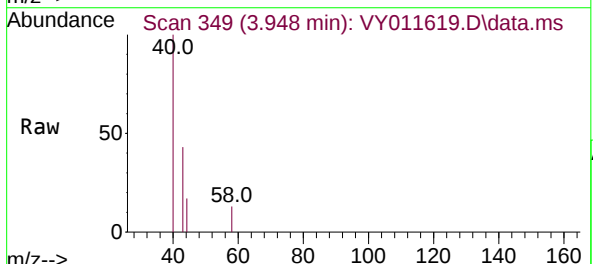
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

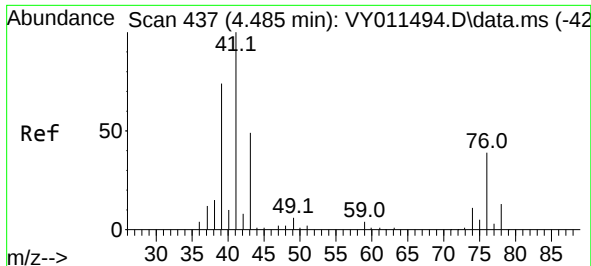
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.550 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 29.2 22.0 33.0

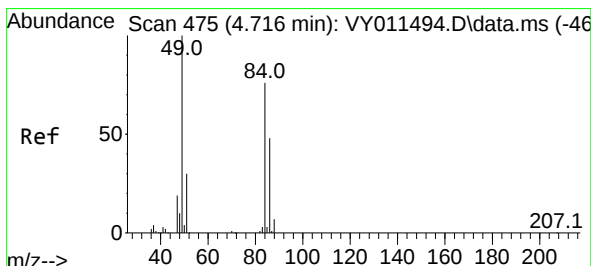
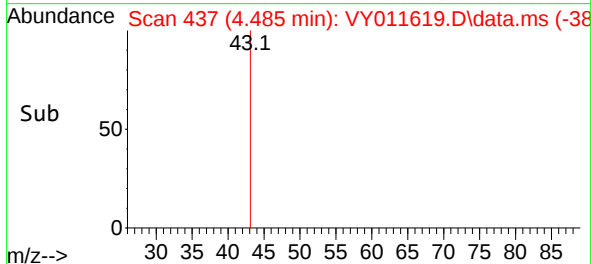
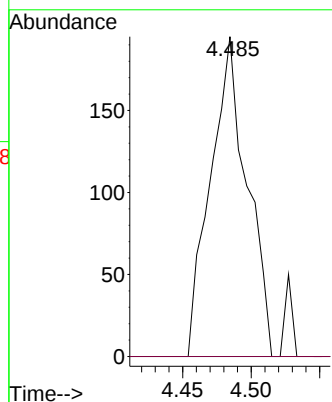
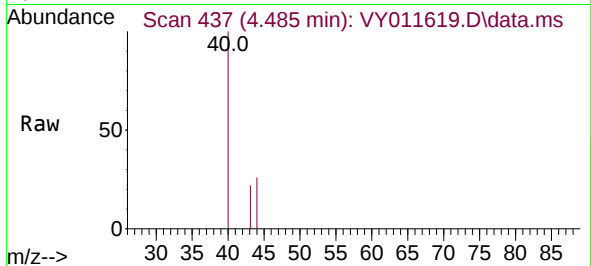




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

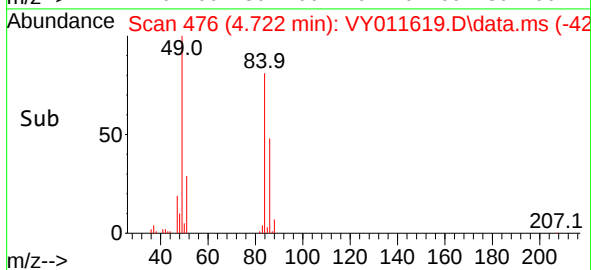
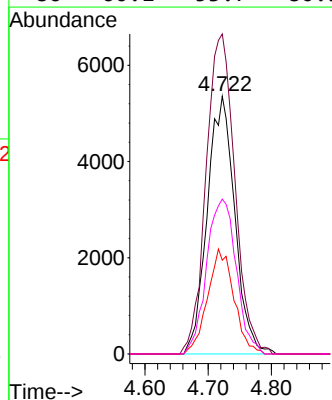
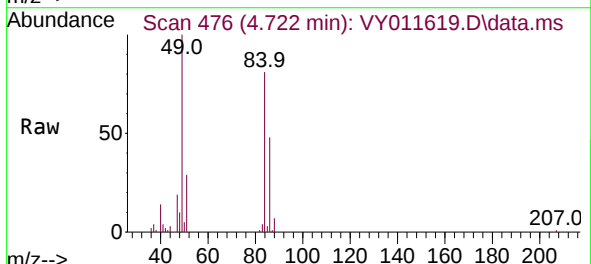
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

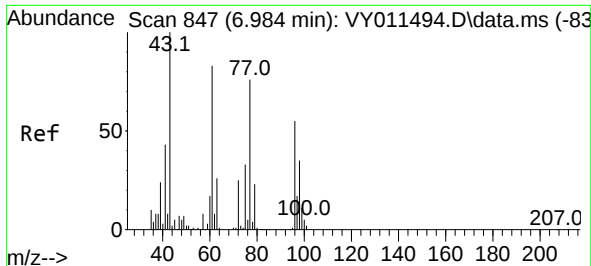
Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 84 Resp: 16192
Ion Ratio Lower Upper
84 100
49 124.2 114.4 171.6
51 36.4 35.3 52.9
86 60.1 53.7 80.5

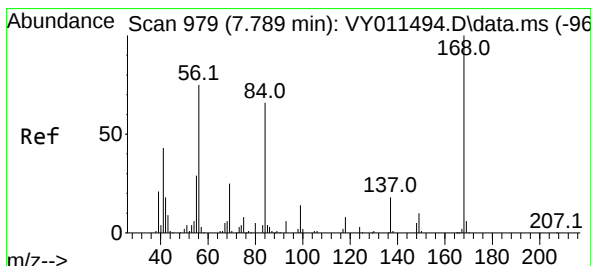
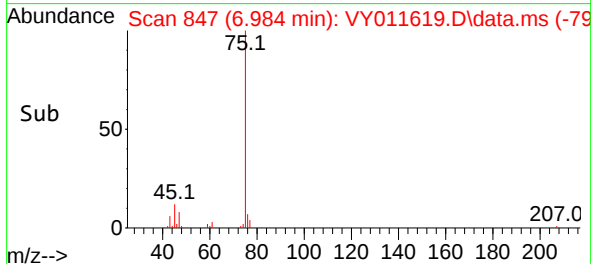
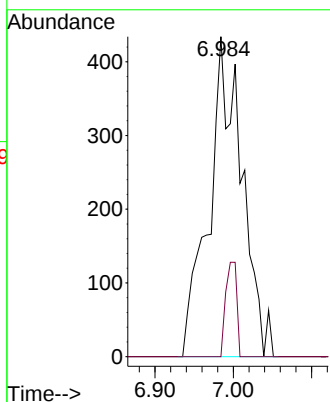
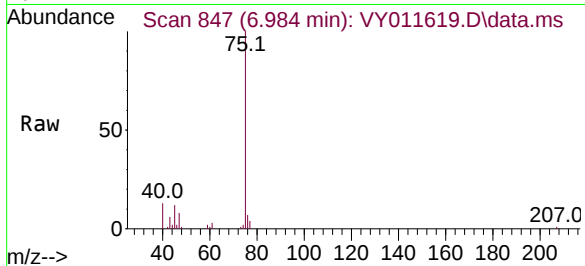




#25
2-Butanone
Concen: 1.439 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

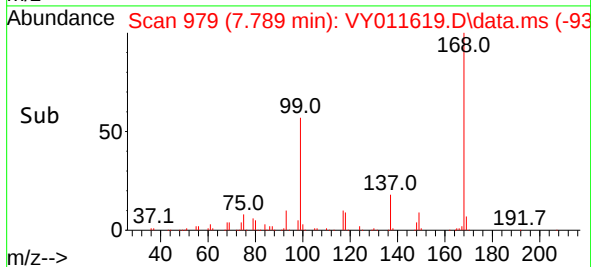
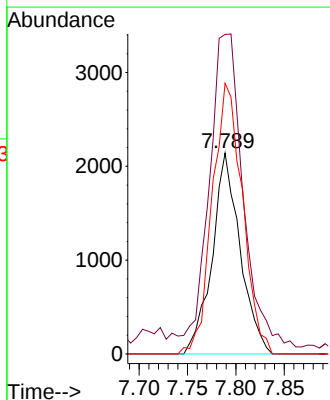
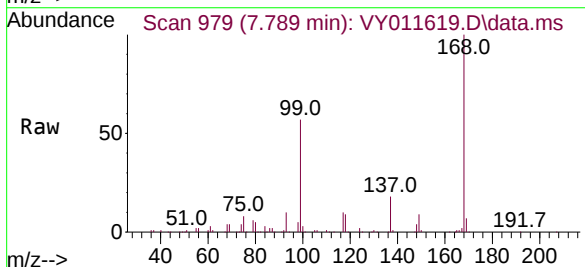
Instrument :
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ClientSampleId :
MH-15

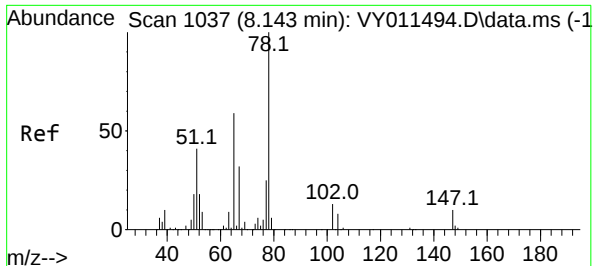
Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 56 Resp: 4306
Ion Ratio Lower Upper
56 100
69 150.0 26.7 40.1#
84 141.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.465 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011619.D

Acq: 29 Nov 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

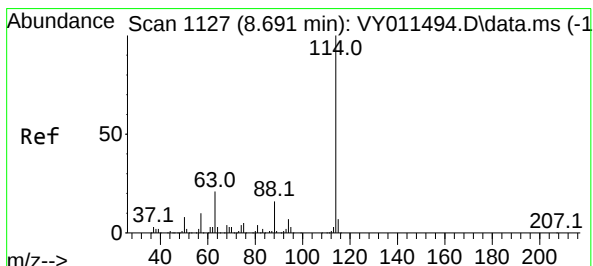
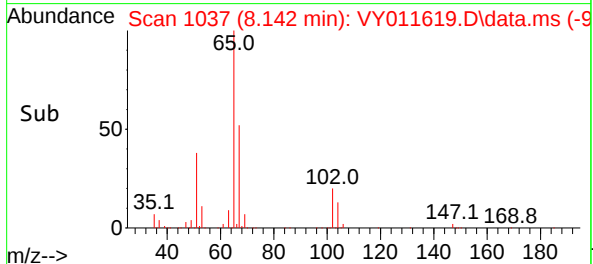
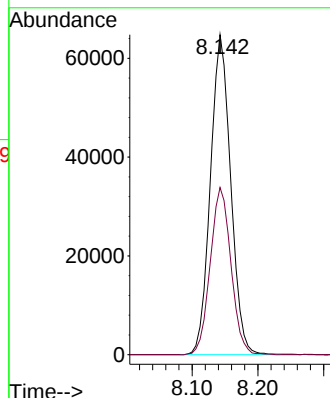
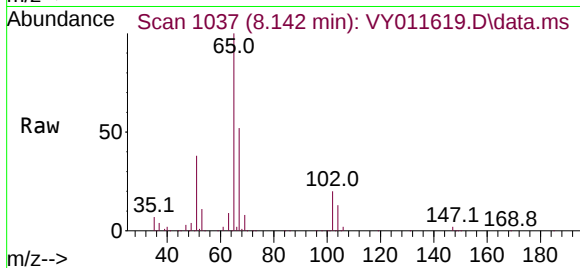
MH-15

Tgt Ion: 65 Resp: 139127

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011619.D

Acq: 29 Nov 2022 14:00

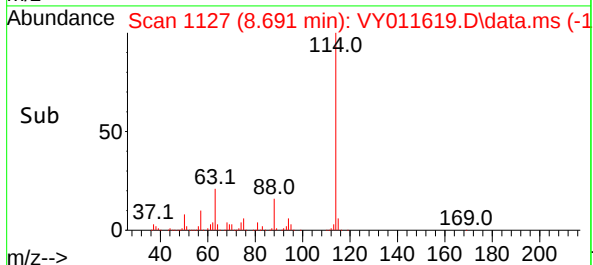
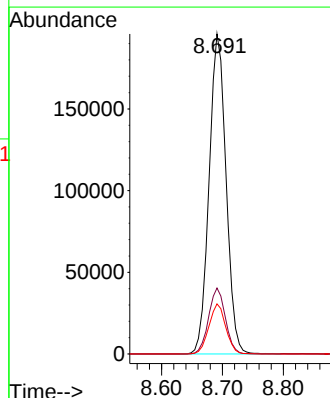
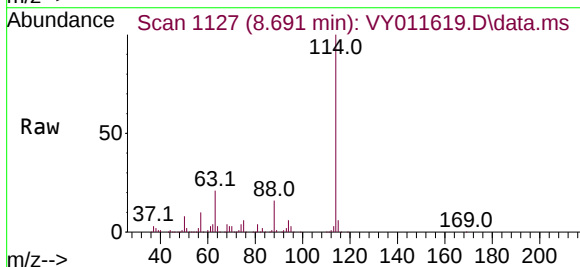
Tgt Ion: 114 Resp: 379065

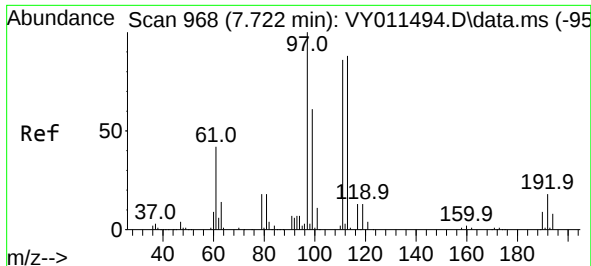
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.7 0.0 31.8

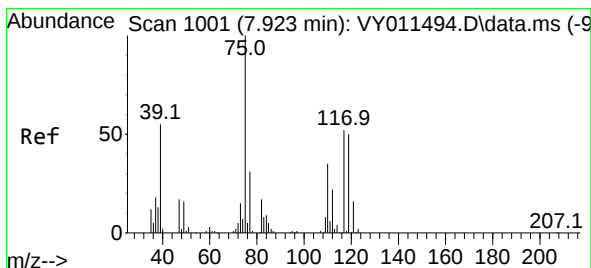
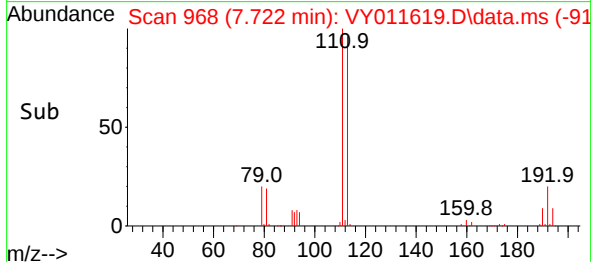
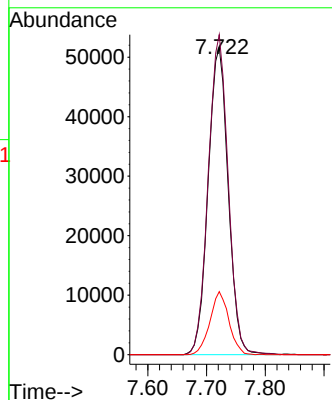
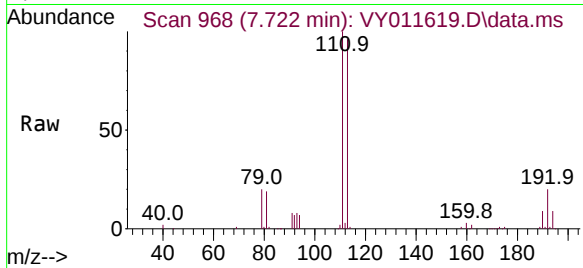




#35
 Dibromofluoromethane
 Concen: 52.489 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY011619.D
 Acq: 29 Nov 2022 14:00

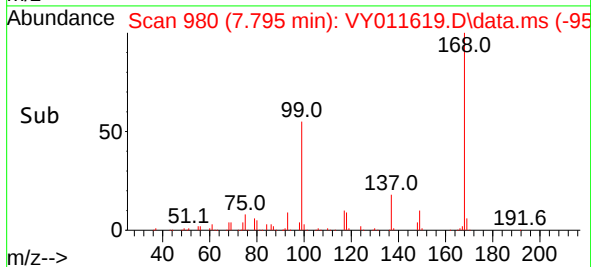
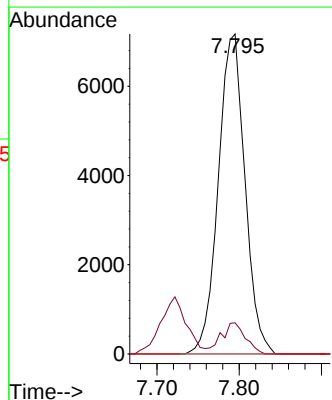
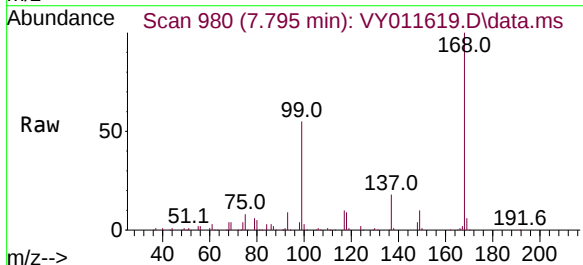
Instrument :
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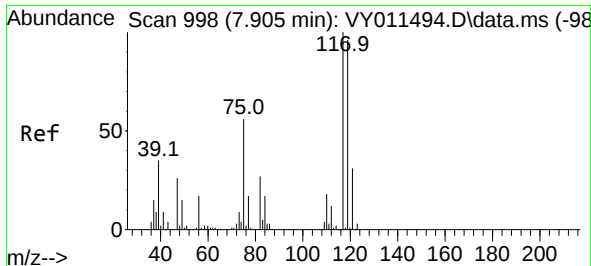
Tgt Ion:113 Resp: 122483
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 124.0
 192 19.4 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.424 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.128 min
 Lab File: VY011619.D
 Acq: 29 Nov 2022 14:00

Tgt Ion: 75 Resp: 16138
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.2#
 77 0.0 24.4 36.6#

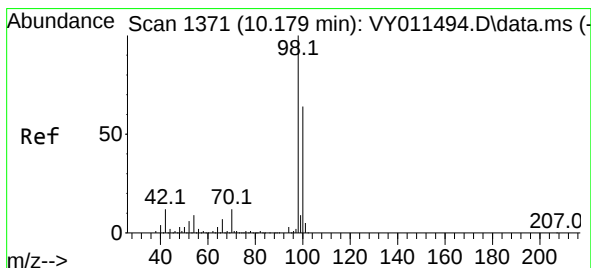
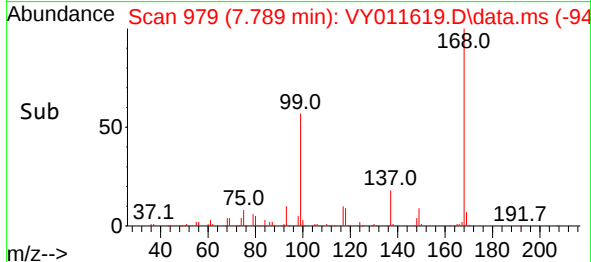
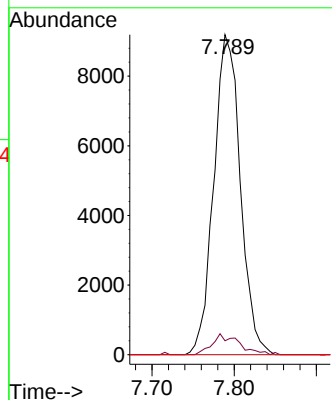
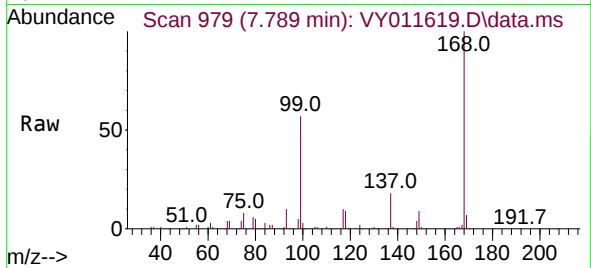




#38
Carbon Tetrachloride
Concen: 5.047 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

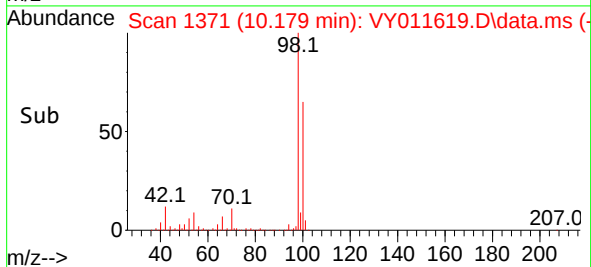
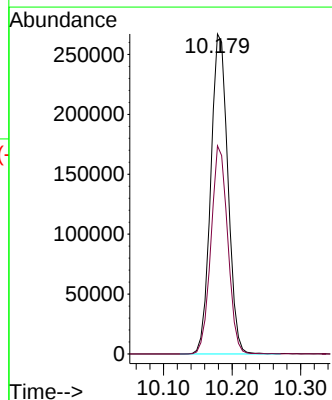
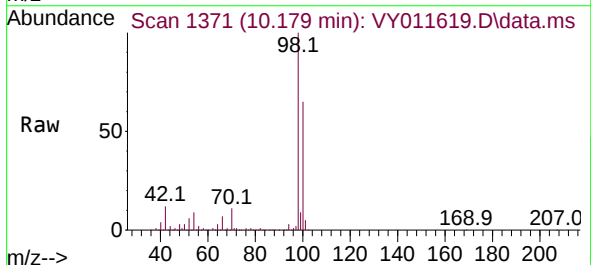
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

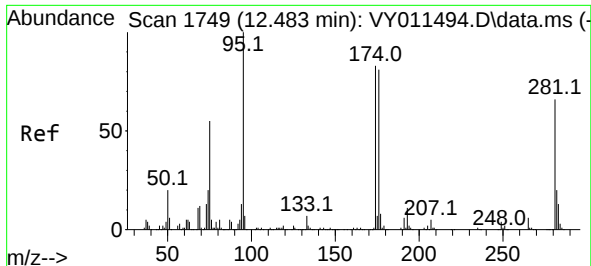
Tgt Ion:117 Resp: 20595
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.537 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 98 Resp: 462457
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2

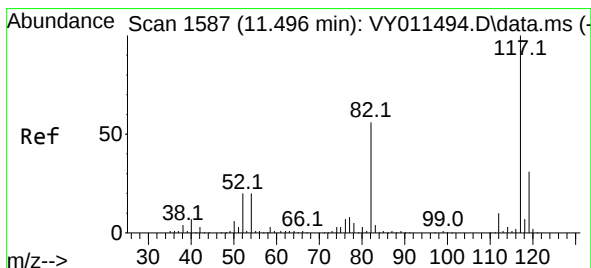
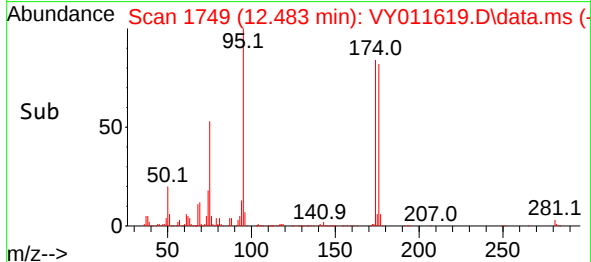
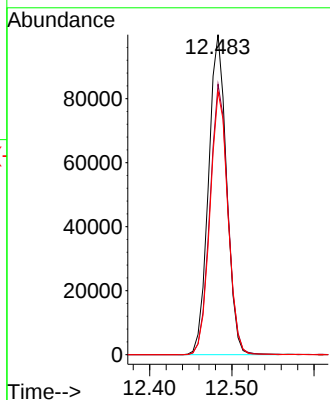
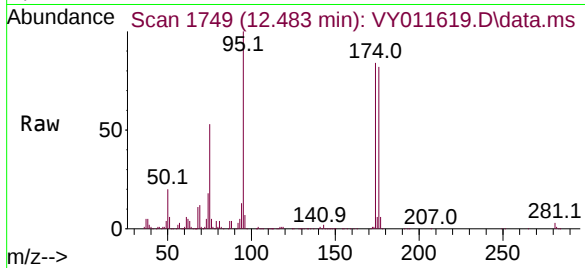




#62
4-Bromofluorobenzene
Concen: 48.744 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

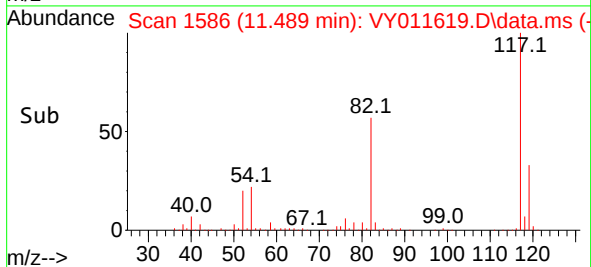
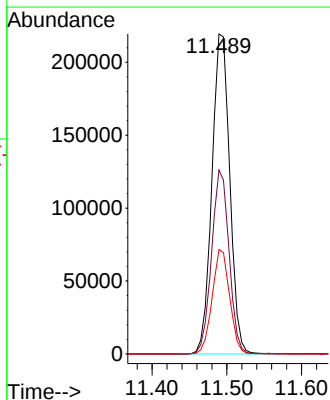
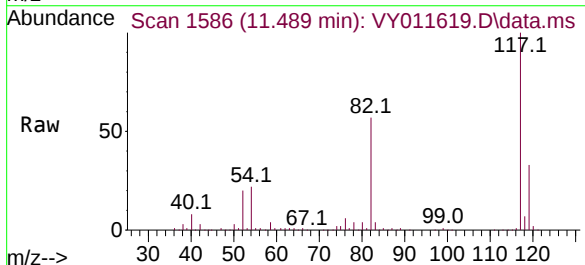
Instrument :
MSVOA_Y
ClientSampleId :
MH-15

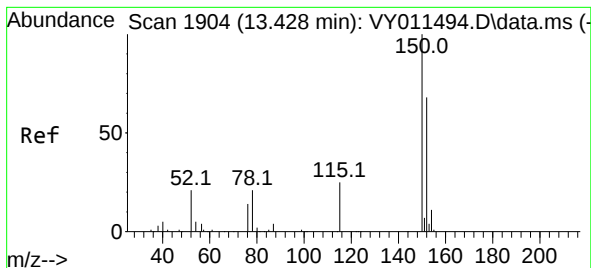
Tgt Ion: 95 Resp: 152822
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 81.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 117 Resp: 364894
Ion Ratio Lower Upper
117 100
82 57.5 43.0 64.4
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011619.D

Acq: 29 Nov 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

MH-15

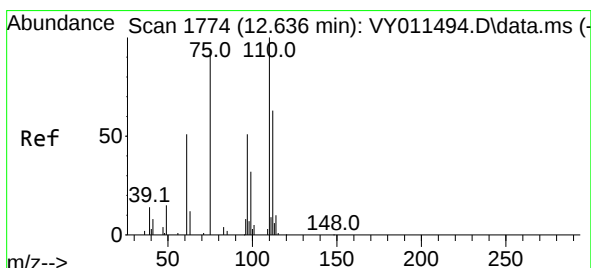
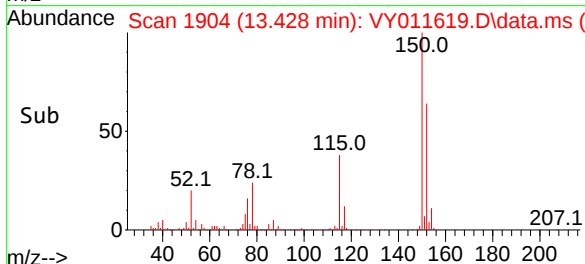
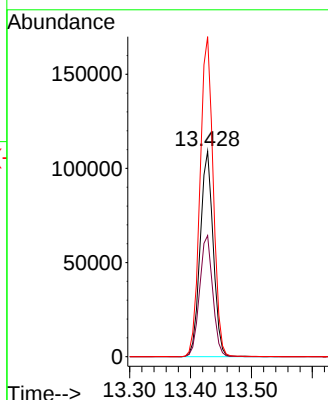
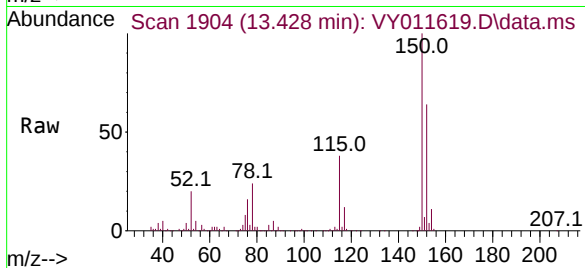
Tgt Ion:152 Resp: 162021

Ion Ratio Lower Upper

152 100

115 59.5 28.2 84.7

150 157.8 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.104 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011619.D

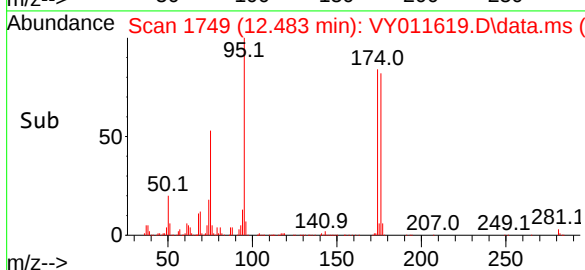
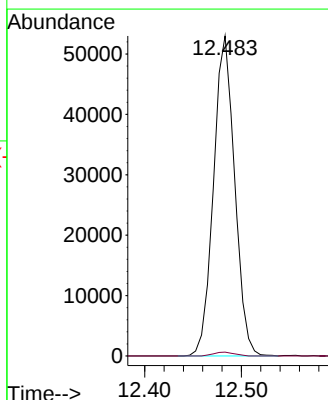
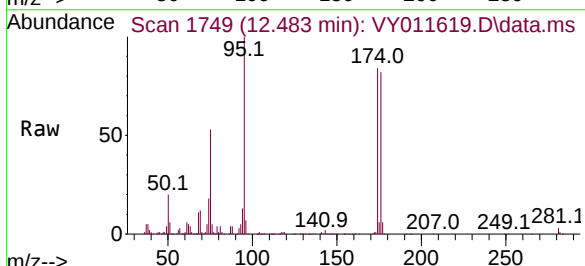
Acq: 29 Nov 2022 14:00

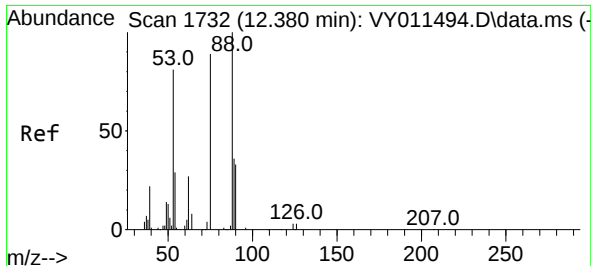
Tgt Ion: 75 Resp: 80444

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

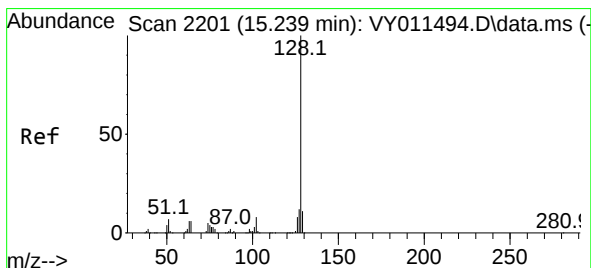
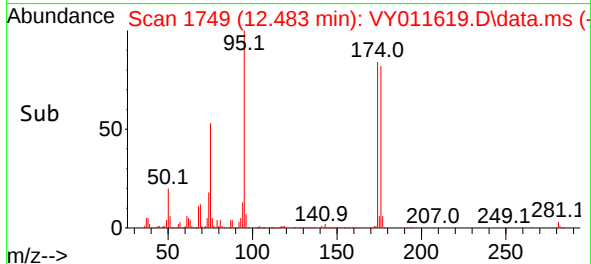
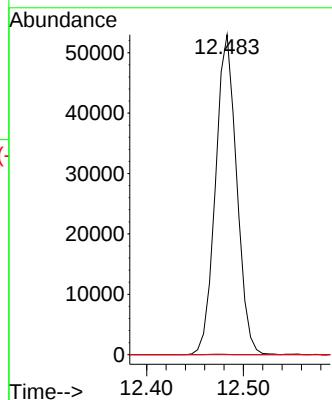
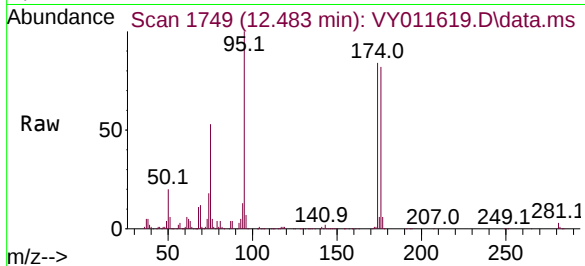




#81
trans-1,4-Dichloro-2-butene
Concen: 100.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Instrument :
MSVOA_Y
ClientSampleId :
MH-15

Tgt Ion: 75 Resp: 80444
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.076 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011619.D
Acq: 29 Nov 2022 14:00

Tgt Ion: 128 Resp: 347
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

