

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008605.D
 Acq On : 04 May 2022 12:29
 Operator : KP/MD
 Sample : N2616-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-18S

Quant Time: May 05 04:34:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

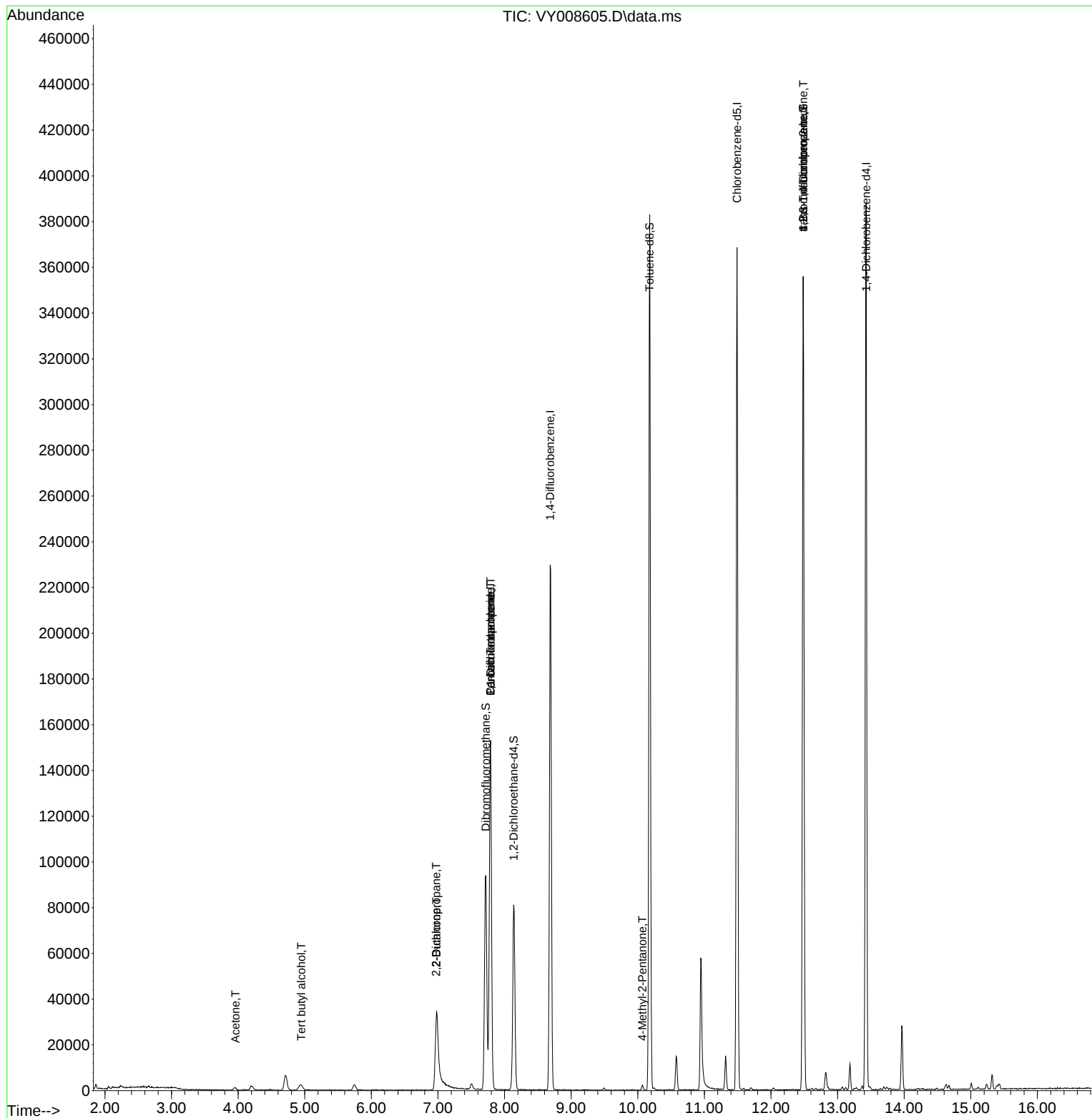
Internal Standards						
1) Pentafluorobenzene	7.789	168	132240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	62191	48.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.780%		
35) Dibromofluoromethane	7.716	113	68523	47.796	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.600%		
50) Toluene-d8	10.179	98	254994	50.203	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.400%		
62) 4-Bromofluorobenzene	12.483	95	90768	48.757	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.520%		
Target Compounds						
5) Bromomethane	2.656	94	441	Below Cal		92
11) Tert butyl alcohol	4.948	59	4494	14.471 ug/l #		88
16) Acetone	3.960	43	2201	7.948 ug/l		97
18) Methyl Acetate	4.473	43	697	Below Cal #		84
20) Methylene Chloride	4.716	84	5790	Below Cal #		70
25) 2-Butanone	6.978	43	1990	4.477 ug/l #		79
26) 2,2-Dichloropropane	6.972	77	2858	1.234 ug/l #		55
36) 1,1-Dichloropropene	7.789	75	8541	3.831 ug/l #		51
38) Carbon Tetrachloride	7.789	117	11757	4.623 ug/l #		14
51) 4-Methyl-2-Pentanone	10.069	43	1392	1.275 ug/l		94
76) 1,2,3-Trichloropropane	12.483	75	45863	40.925 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	45863	82.971 ug/l #		7

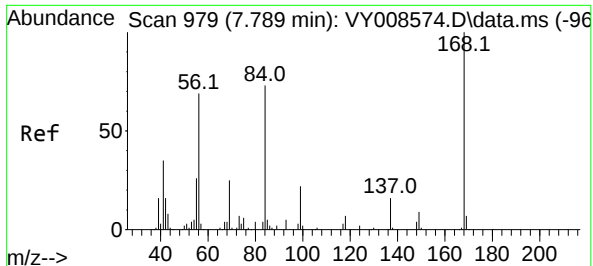
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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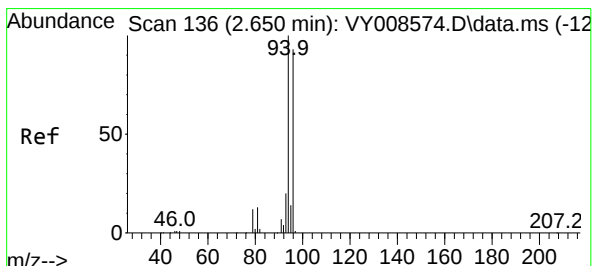
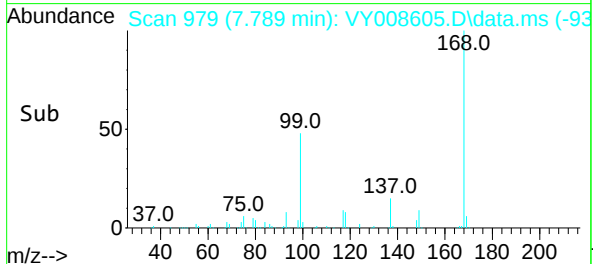
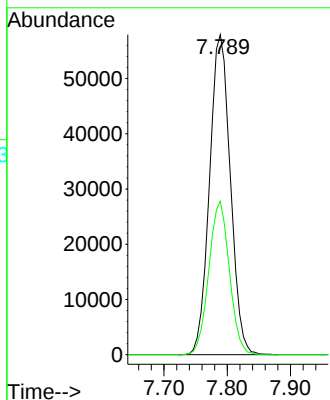
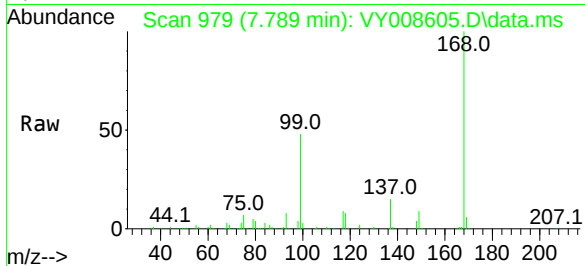




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

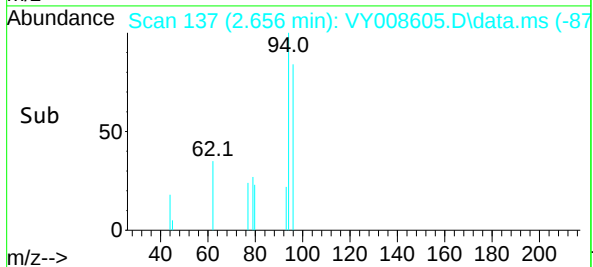
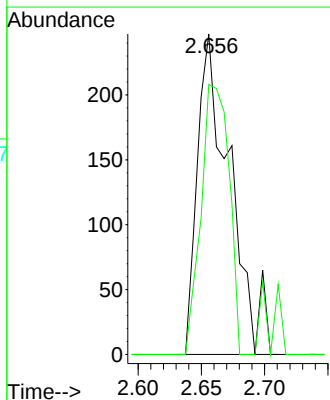
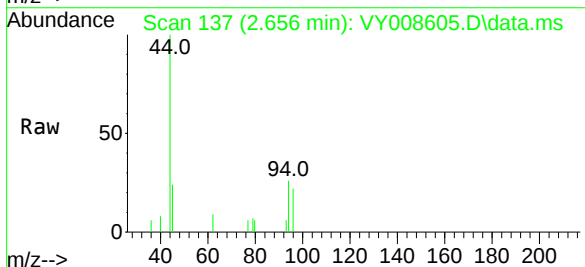
Instrument :
MSVOA_Y
ClientSampleId :
MH-18S

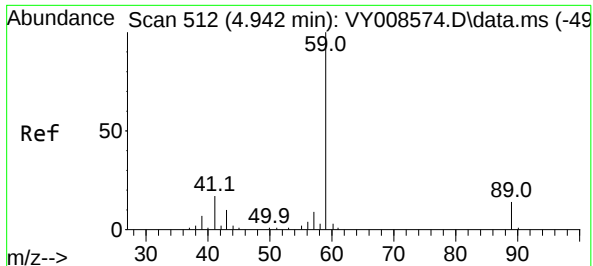
Tgt Ion:168 Resp: 132240
Ion Ratio Lower Upper
168 100
99 47.9 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 84.2 73.5 110.3





#11

Tert butyl alcohol

Concen: 14.471 ug/l

RT: 4.948 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

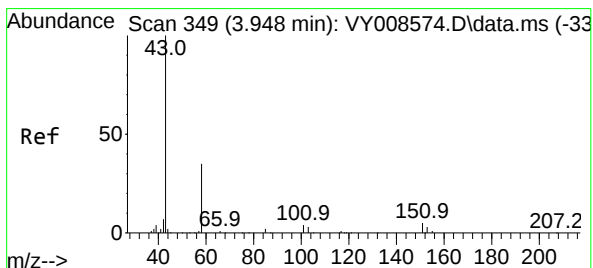
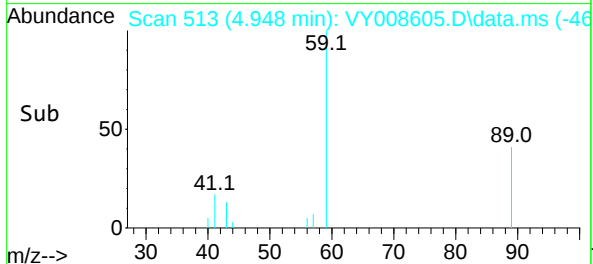
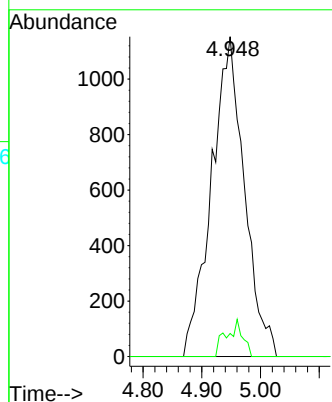
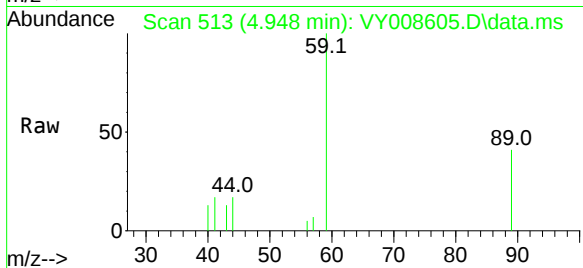
MH-18S

Tgt Ion: 59 Resp: 4494

Ion Ratio Lower Upper

59 100

57 3.9 6.4 9.6#



#16

Acetone

Concen: 7.948 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY008605.D

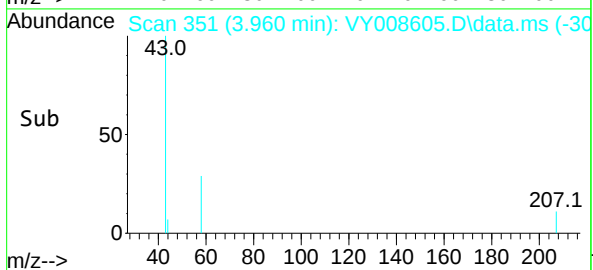
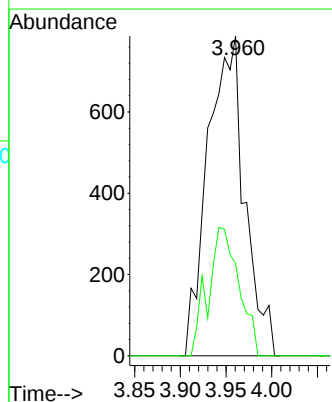
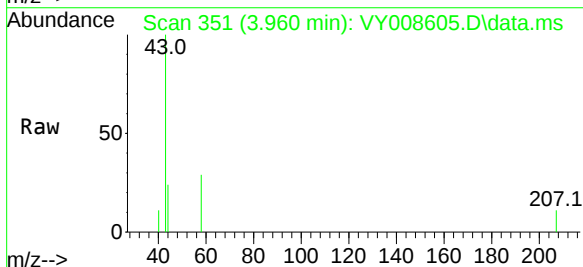
Acq: 04 May 2022 12:29

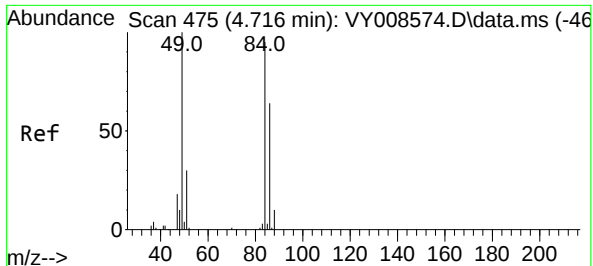
Tgt Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

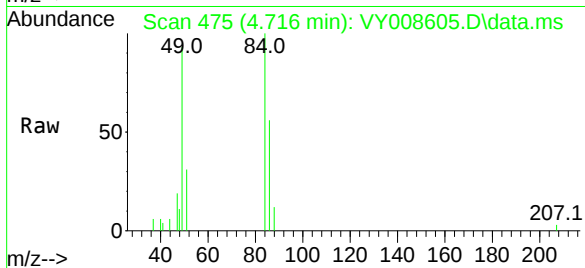
58 28.8 22.0 33.0



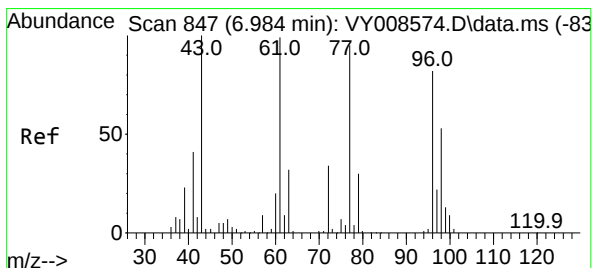
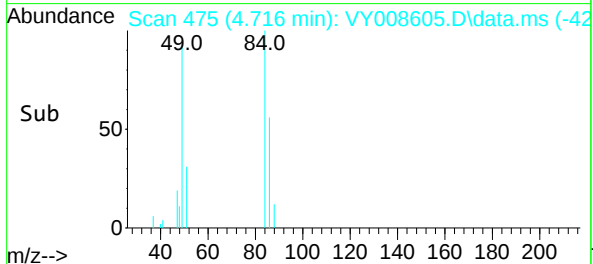
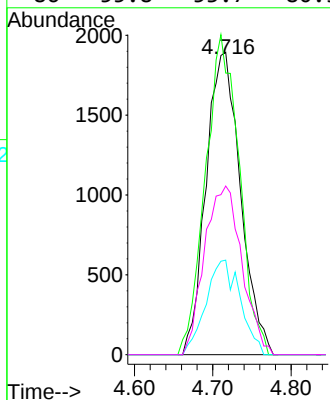


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

Instrument :
MSVOA_Y
ClientSampleId :
MH-18S

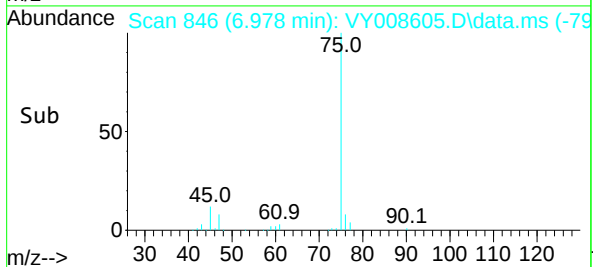
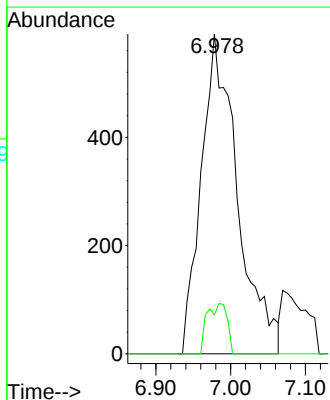
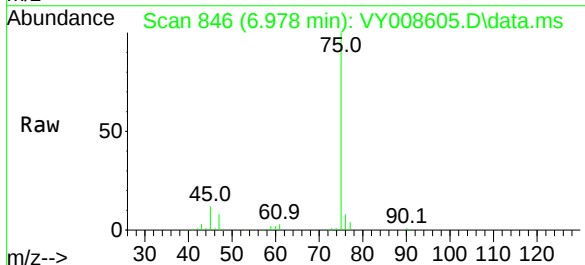


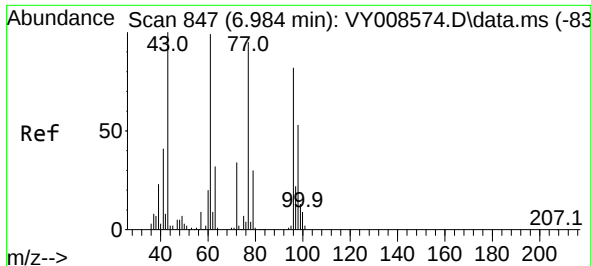
Tgt Ion: 84 Resp: 5790
Ion Ratio Lower Upper
84 100
49 93.1 114.4 171.6#
51 31.3 35.3 52.9#
86 55.8 53.7 80.5



#25
2-Butanone
Concen: 4.477 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
72 12.2 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.234 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

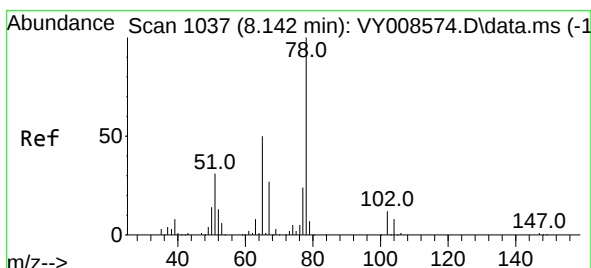
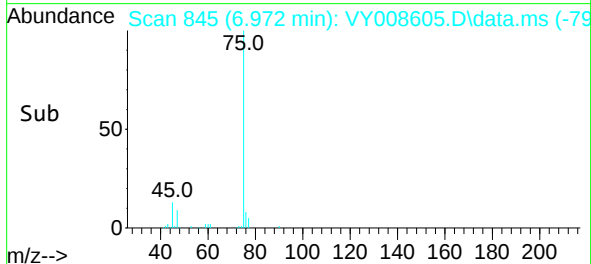
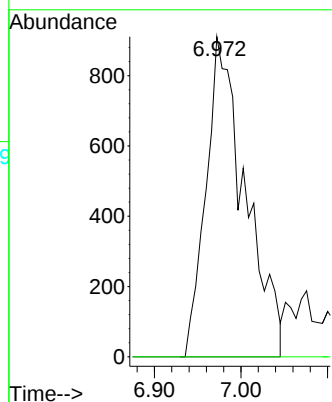
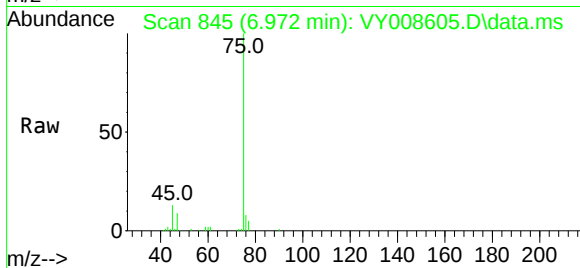
MH-18S

Tgt Ion: 77 Resp: 2858

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#33

1,2-Dichloroethane-d4

Concen: 48.387 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008605.D

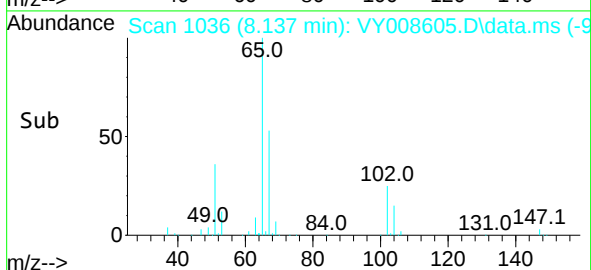
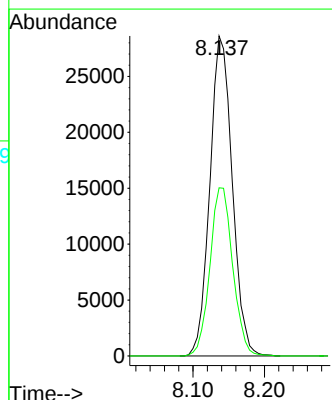
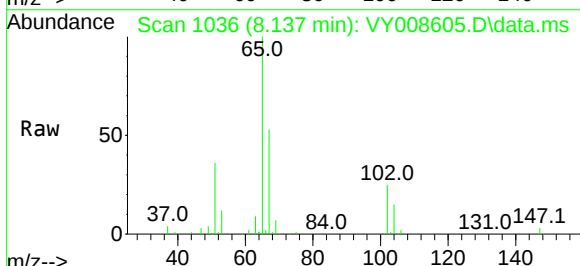
Acq: 04 May 2022 12:29

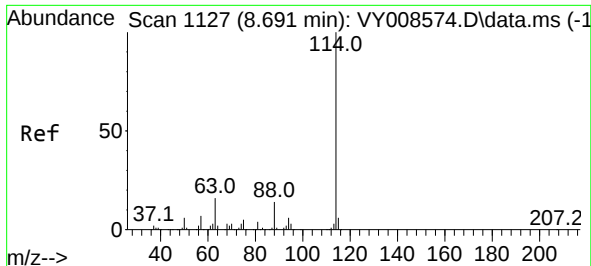
Tgt Ion: 65 Resp: 62191

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

Instrument :

MSVOA_Y

ClientSampleId :

MH-18S

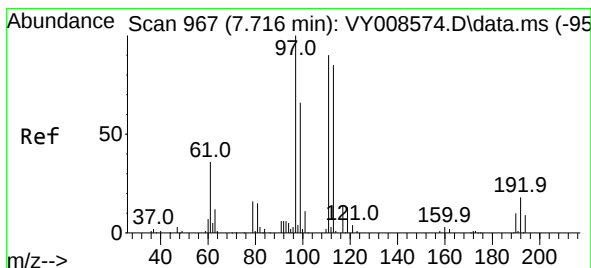
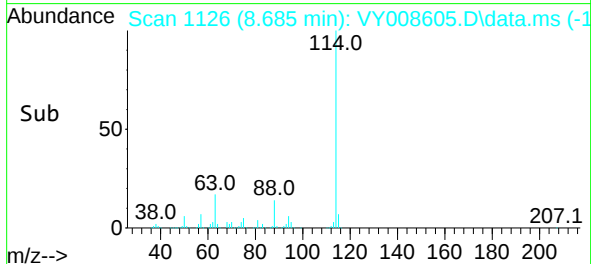
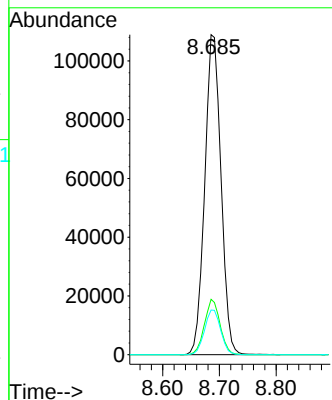
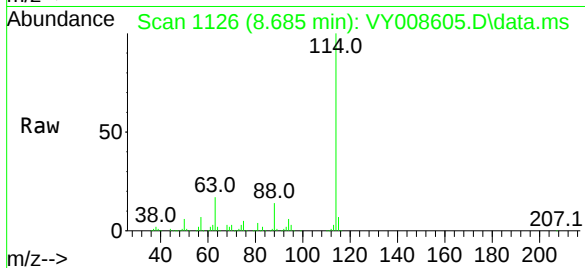
Tgt Ion:114 Resp: 216665

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.796 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

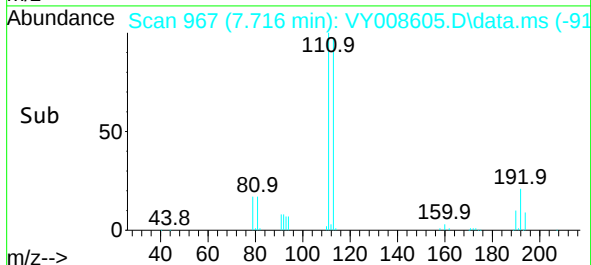
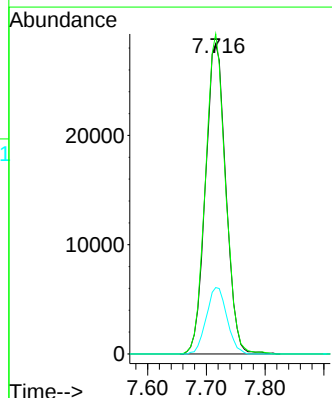
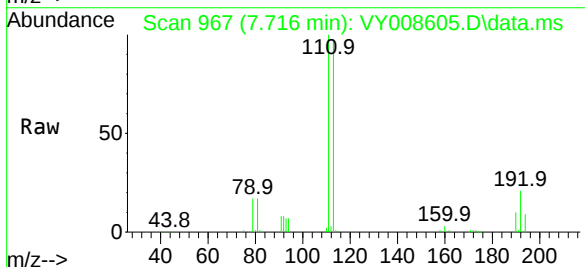
Tgt Ion:113 Resp: 68523

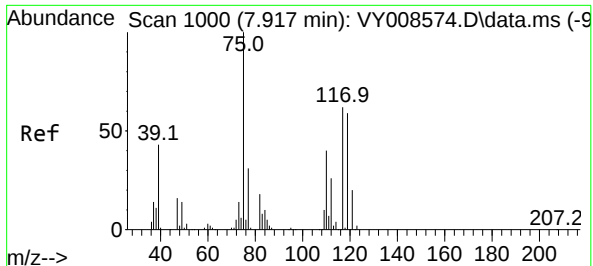
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 21.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.831 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

Instrument :

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ClientSampleId :

MH-18S

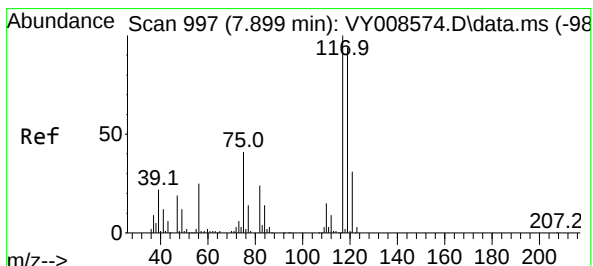
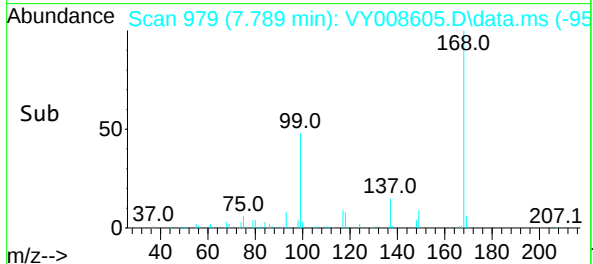
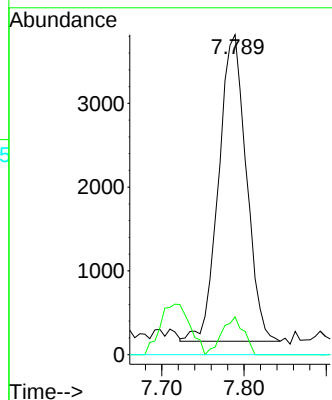
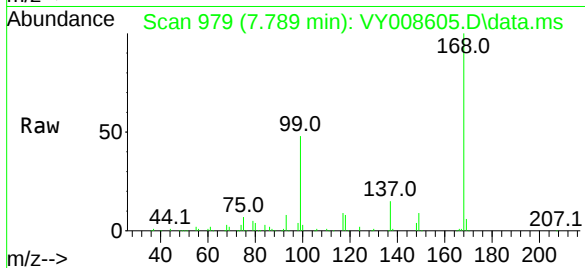
Tgt Ion: 75 Resp: 8541

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.623 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

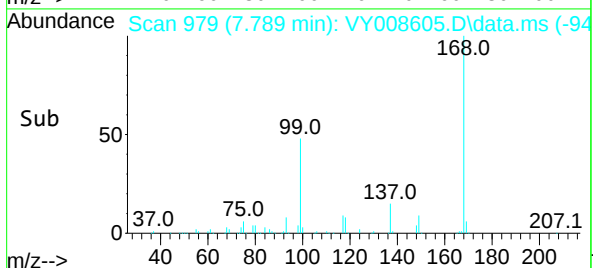
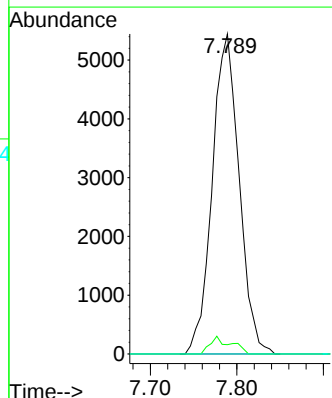
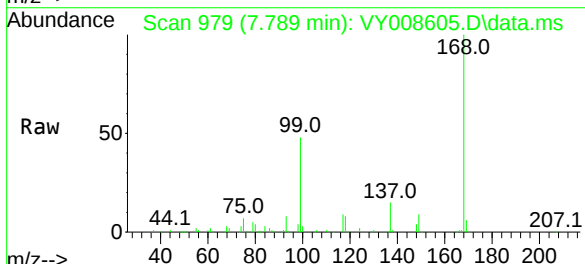
Tgt Ion: 117 Resp: 11757

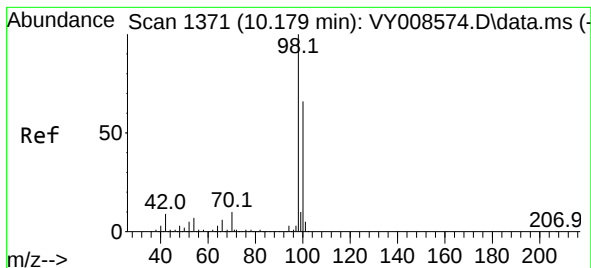
Ion Ratio Lower Upper

117 100

119 2.9 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.203 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY008605.D

Acq: 04 May 2022 12:29

Instrument :

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ClientSampleId :

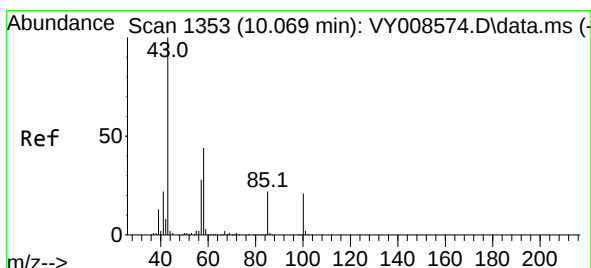
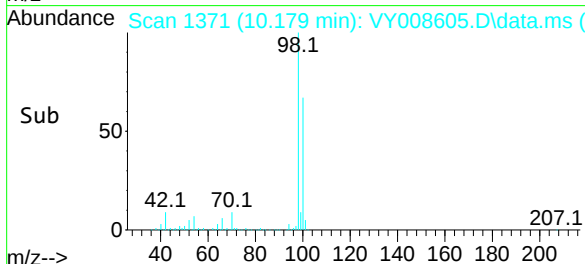
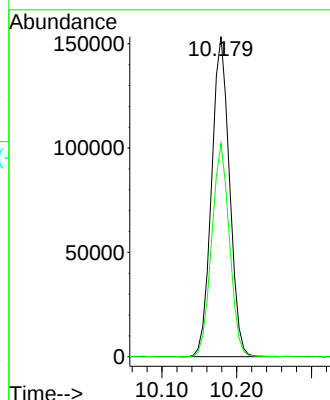
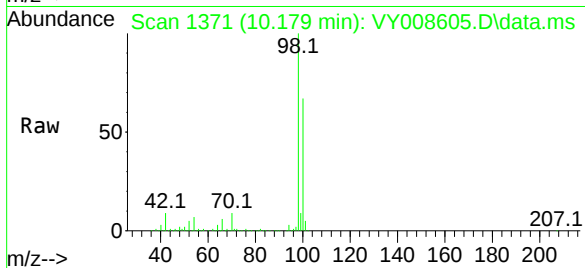
MH-18S

Tgt Ion: 98 Resp: 254994

Ion Ratio Lower Upper

98 100

100 66.0 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.275 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY008605.D

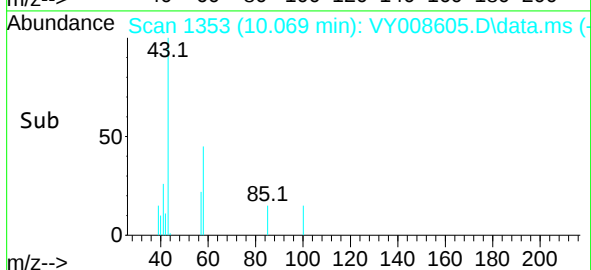
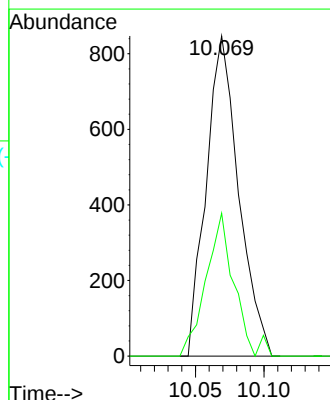
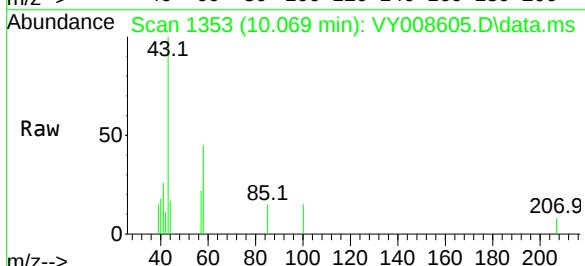
Acq: 04 May 2022 12:29

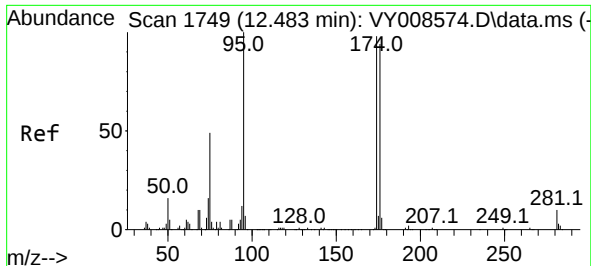
Tgt Ion: 43 Resp: 1392

Ion Ratio Lower Upper

43 100

58 38.9 28.1 42.1

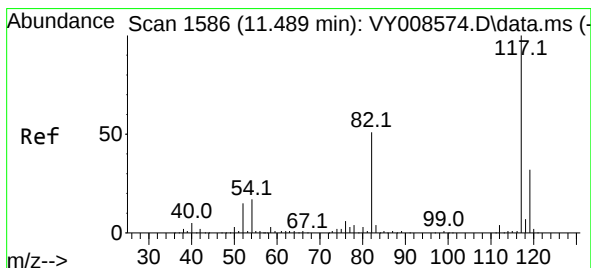
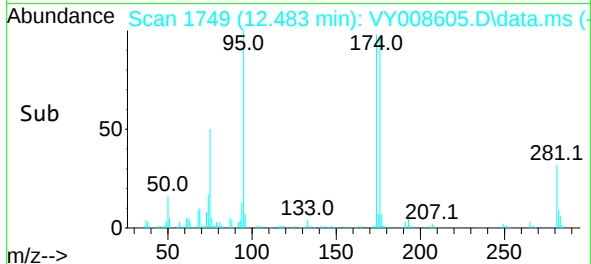
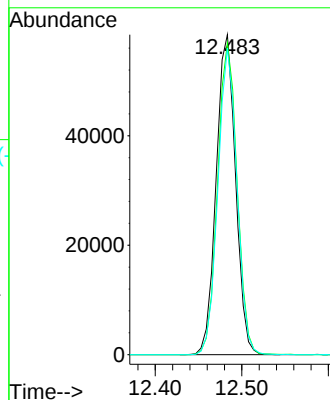
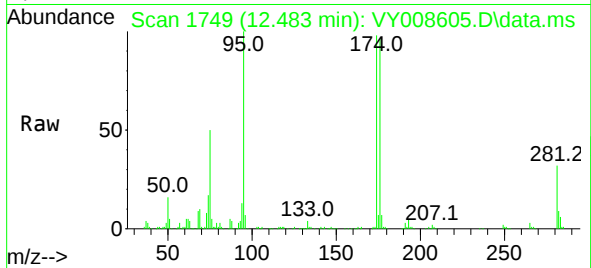




#62
4-Bromofluorobenzene
Concen: 48.757 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

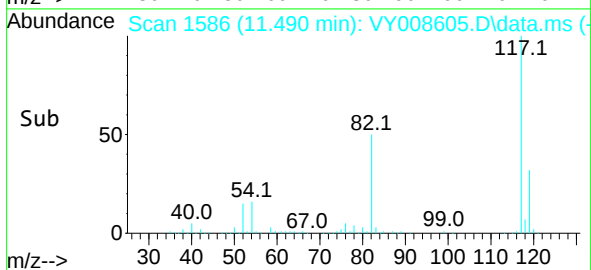
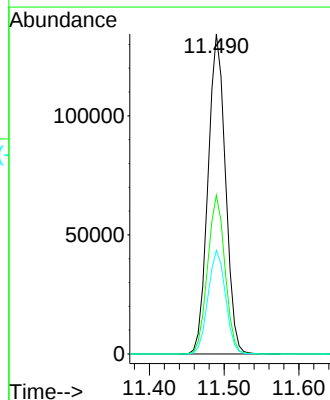
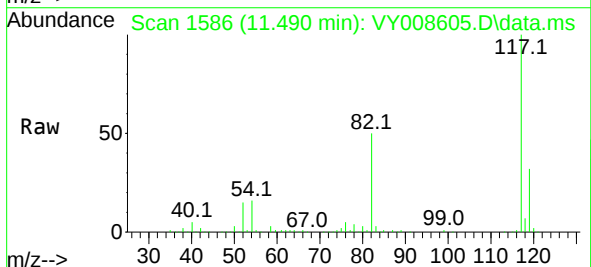
Instrument :
MSVOA_Y
ClientSampleId :
MH-18S

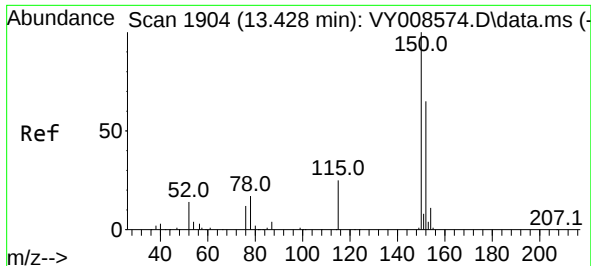
Tgt Ion: 95 Resp: 90768
Ion Ratio Lower Upper
95 100
174 98.1 0.0 177.0
176 94.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008605.D
Acq: 04 May 2022 12:29

Tgt Ion: 117 Resp: 217793
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.4
119 32.4 25.4 38.0

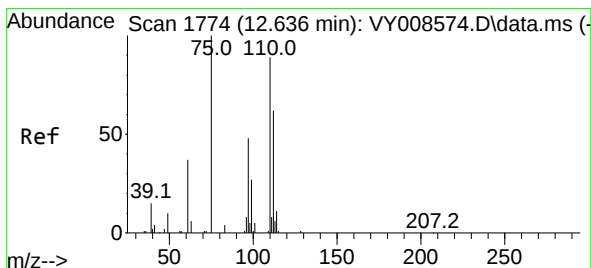
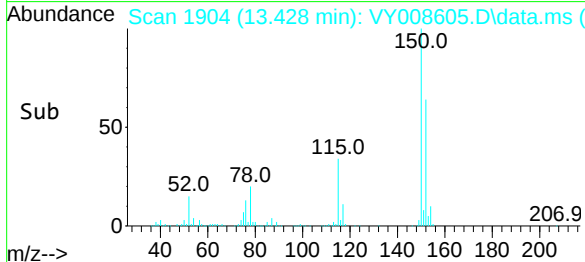
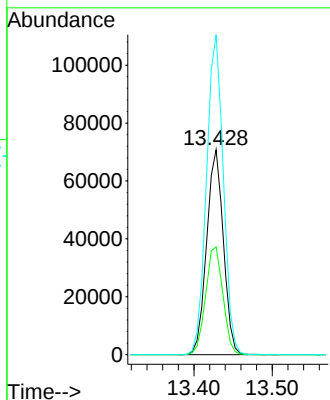
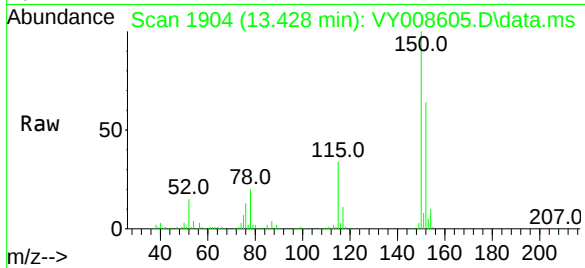




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008605.D
 Acq: 04 May 2022 12:29

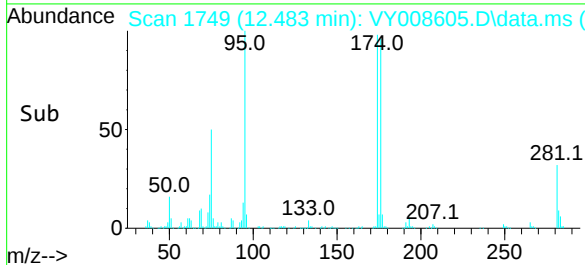
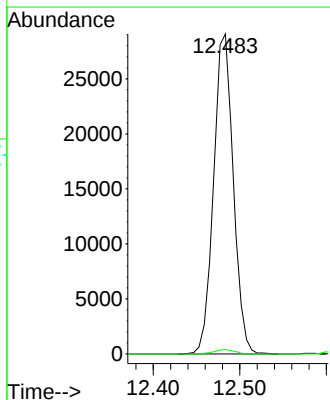
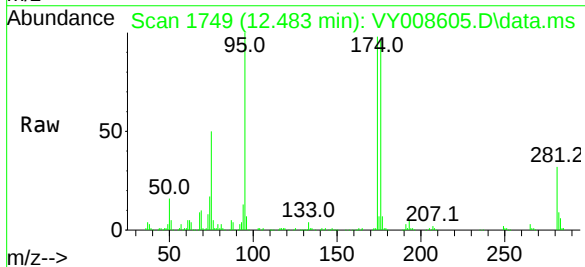
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-18S

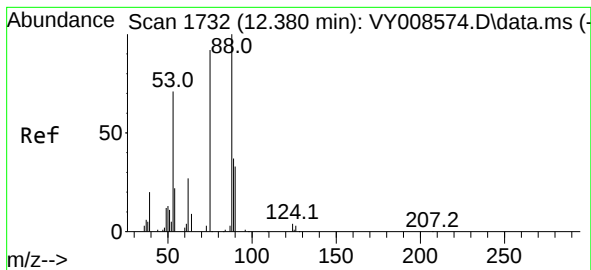
Tgt Ion:152 Resp: 104983
 Ion Ratio Lower Upper
 152 100
 115 54.2 28.2 84.7
 150 156.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 40.925 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008605.D
 Acq: 04 May 2022 12:29

Tgt Ion: 75 Resp: 45863
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.971 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008605.D
 Acq: 04 May 2022 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-18S

Tgt Ion: 75 Resp: 45863
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.5 37.0 55.4#

