

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008510.D
 Acq On : 26 Apr 2022 17:37
 Operator : KP/MD
 Sample : N2559-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-10S

Quant Time: Apr 27 01:24:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

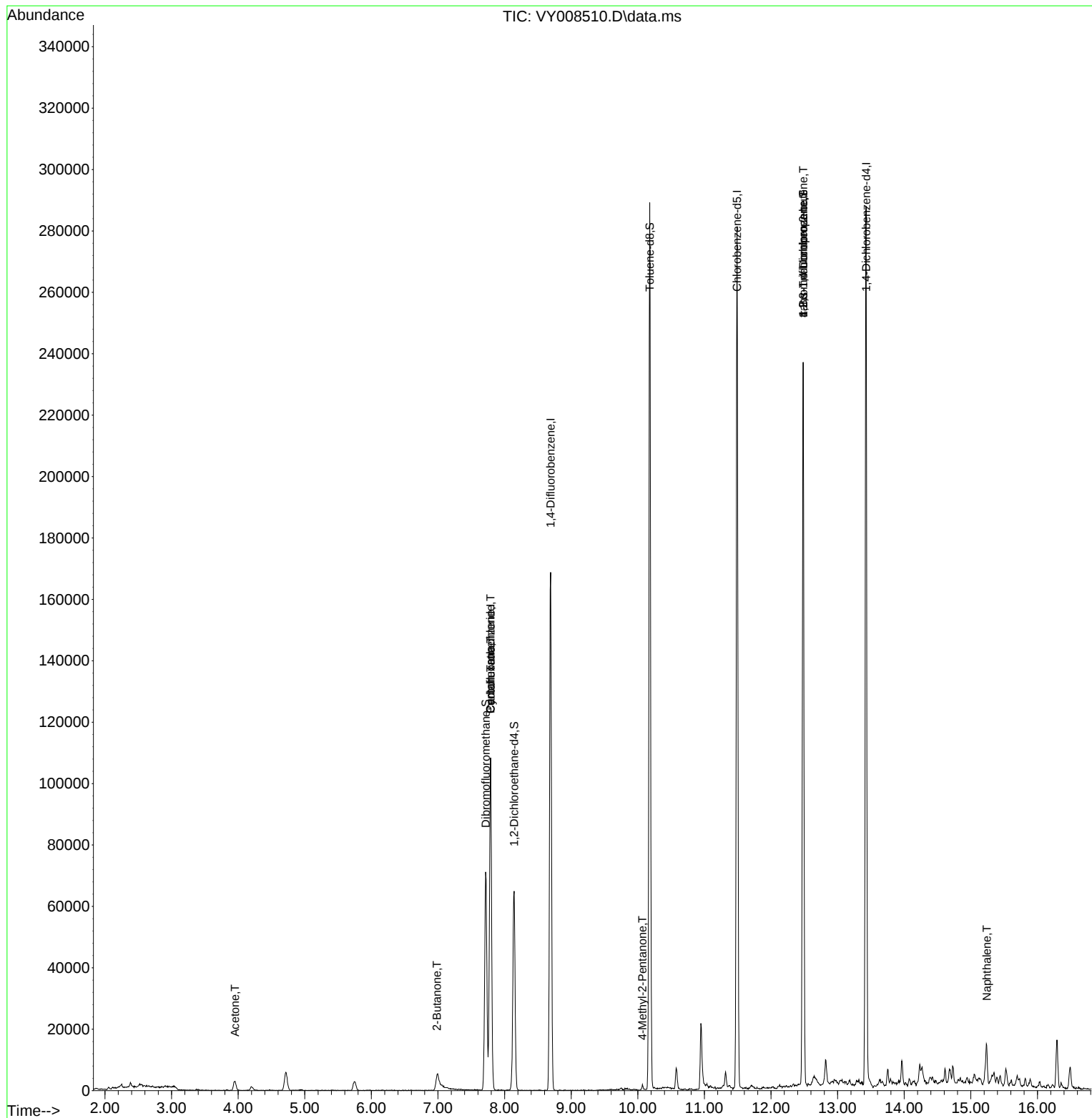
Internal Standards						
1) Pentafluorobenzene	7.789	168	82147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49473	51.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.716	113	48868	49.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.260%			
50) Toluene-d8	10.179	98	189628	48.394	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.780%			
62) 4-Bromofluorobenzene	12.483	95	66737	50.330	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.660%			
Target Compounds						
11) Tert butyl alcohol	4.960	59	223	Below Cal	#	77
16) Acetone	3.954	43	5505	24.452	ug/l #	85
20) Methylene Chloride	4.716	84	4840	Below Cal	#	69
25) 2-Butanone	6.984	43	1164	3.342	ug/l #	73
31) Cyclohexane	7.789	56	1757	1.106	ug/l #	12
38) Carbon Tetrachloride	7.789	117	8236	5.061	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	1086	1.296	ug/l #	81
76) 1,2,3-Trichloropropane	12.483	75	35744	38.548	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35744	89.426	ug/l #	7
95) Naphthalene	15.239	128	10205	3.429	ug/l	98

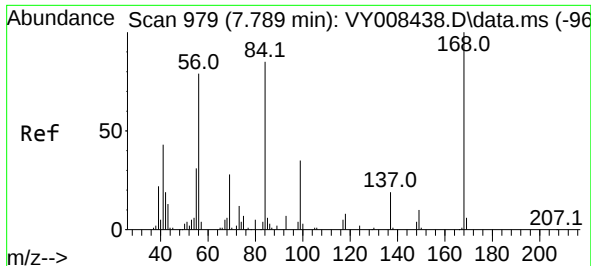
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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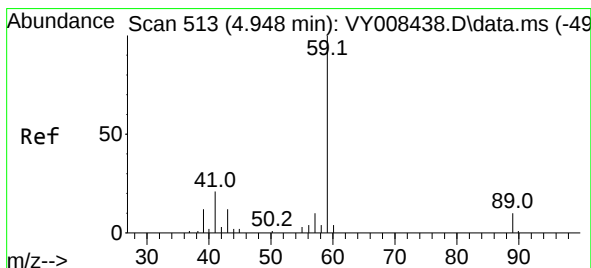
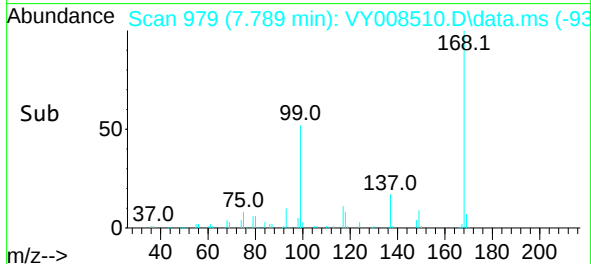
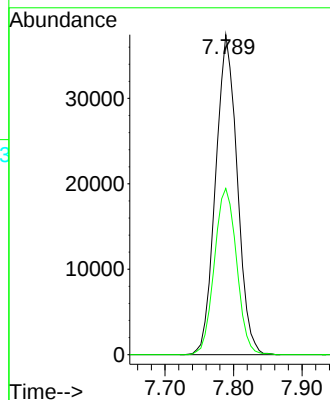
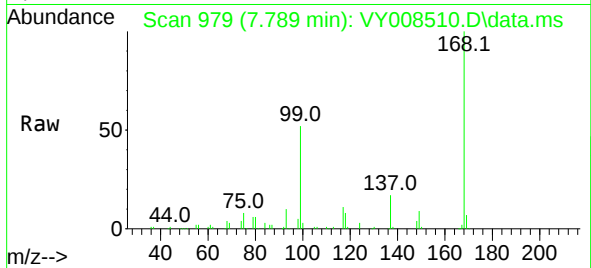




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

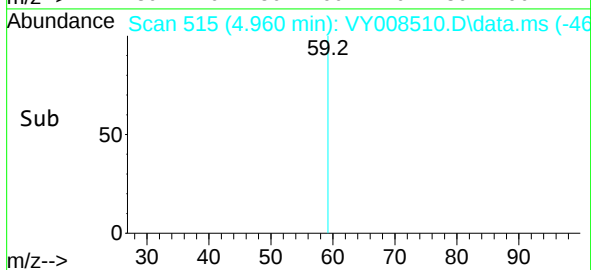
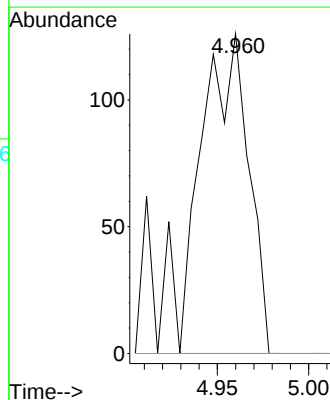
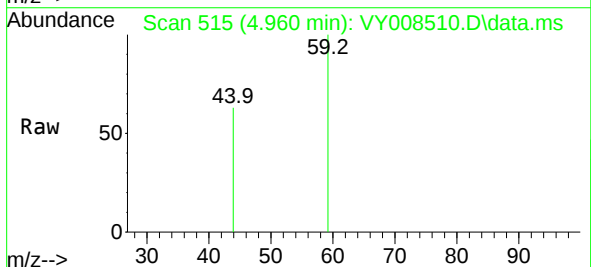
Instrument :
MSVOA_Y
ClientSampleId :
MH-10S

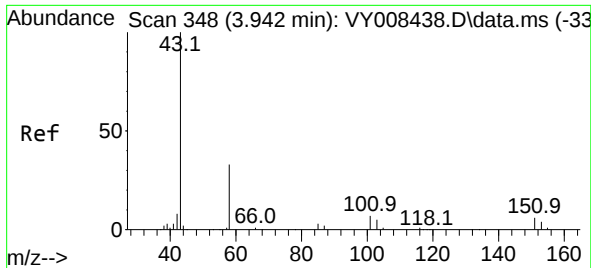
Tgt Ion:168 Resp: 82147
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 24.452 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY008510.D

Acq: 26 Apr 2022 17:37

Instrument :

MSVOA_Y

ClientSampleId :

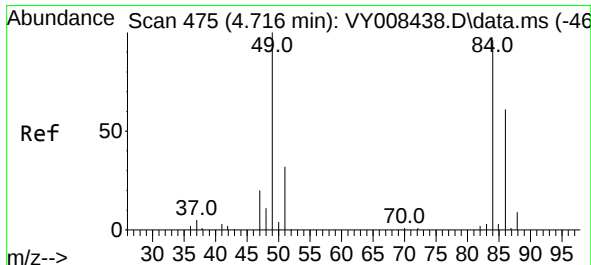
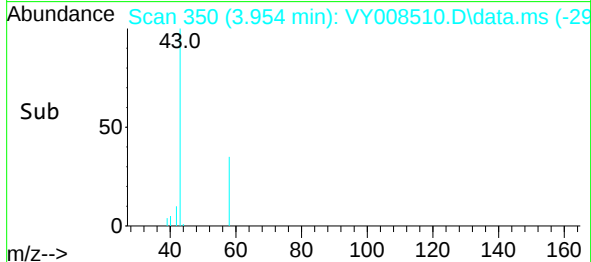
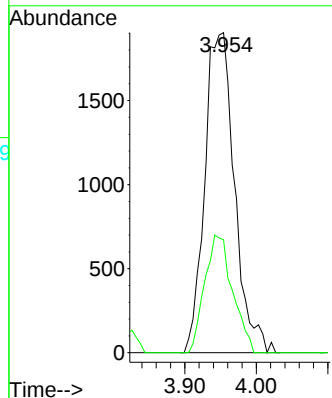
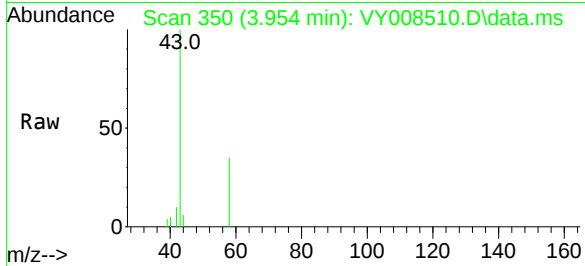
MH-10S

Tgt Ion: 43 Resp: 5505

Ion Ratio Lower Upper

43 100

58 35.3 22.0 33.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY008510.D

Acq: 26 Apr 2022 17:37

Tgt Ion: 84 Resp: 4840

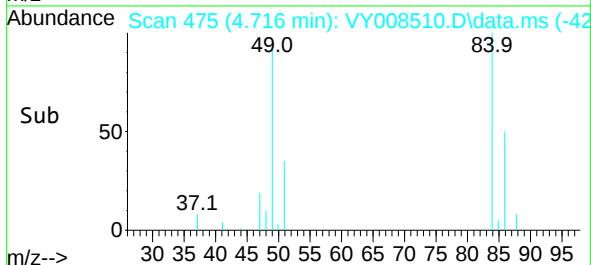
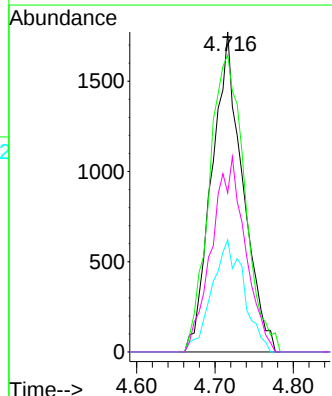
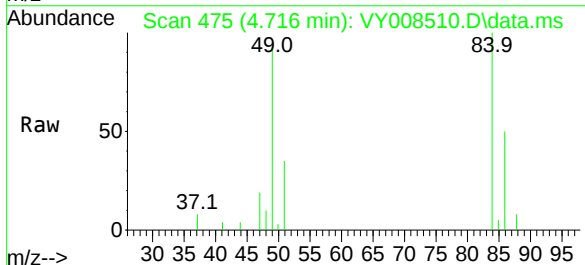
Ion Ratio Lower Upper

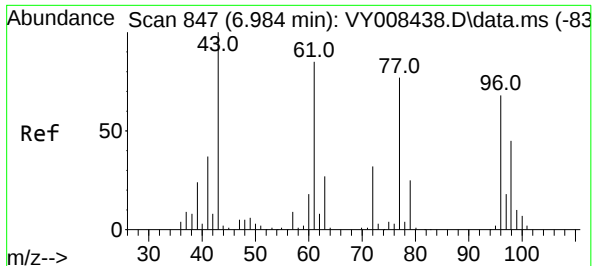
84 100

49 92.8 114.4 171.6#

51 35.1 35.3 52.9#

86 49.7 53.7 80.5#





#25

2-Butanone

Concen: 3.342 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008510.D

Acq: 26 Apr 2022 17:37

Instrument :

MSVOA_Y

ClientSampleId :

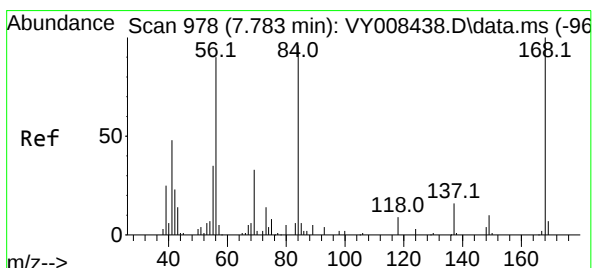
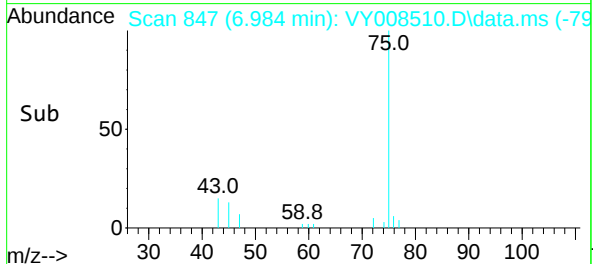
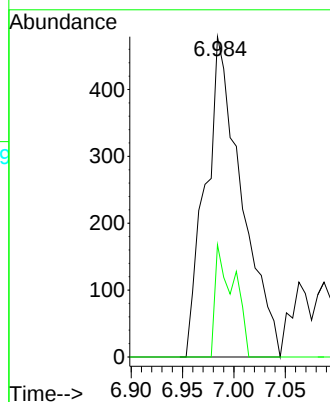
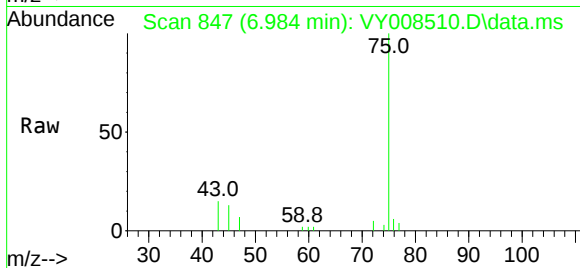
MH-10S

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

72 35.1 17.7 26.5#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008510.D

Acq: 26 Apr 2022 17:37

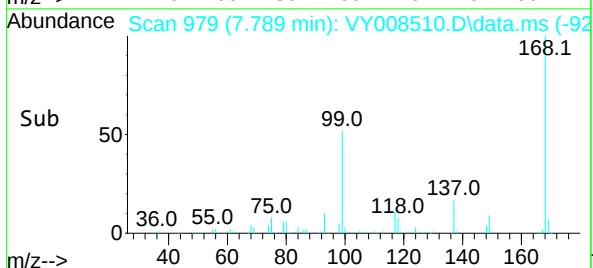
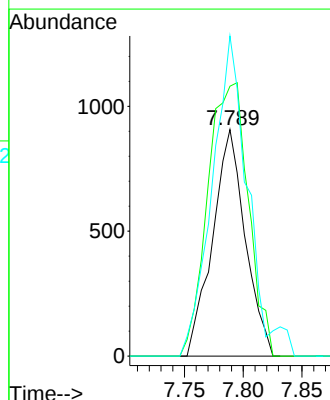
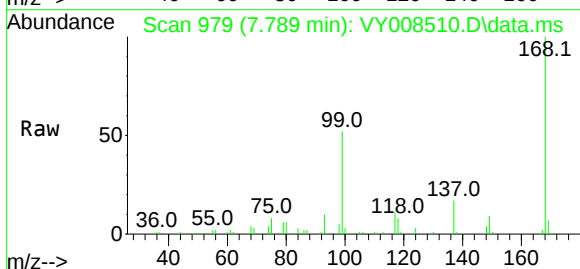
Tgt Ion: 56 Resp: 1757

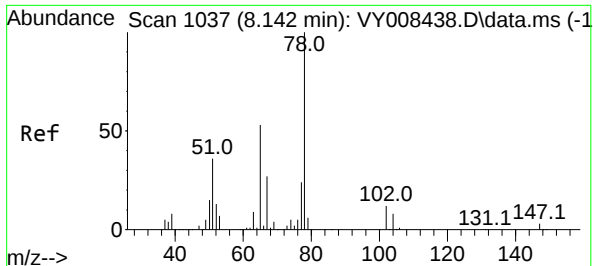
Ion Ratio Lower Upper

56 100

69 119.2 26.7 40.1#

84 141.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008510.D

Acq: 26 Apr 2022 17:37

Instrument :

MSVOA_Y

ClientSampleId :

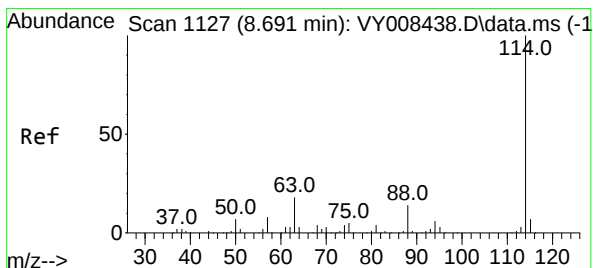
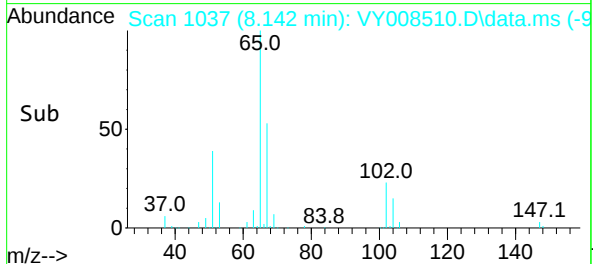
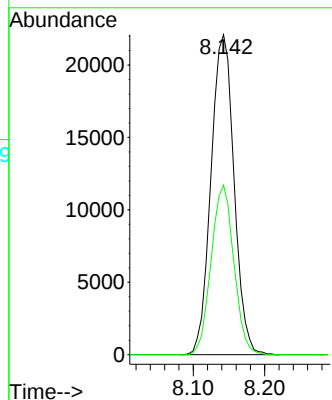
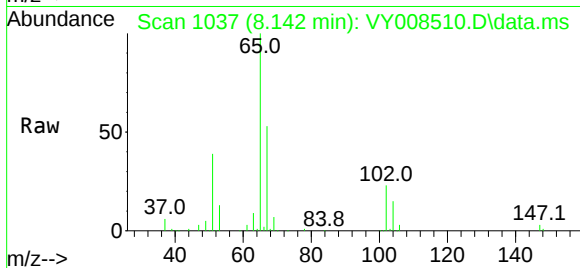
MH-10S

Tgt Ion: 65 Resp: 49473

Ion Ratio Lower Upper

65 100

67 52.1 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: VY008510.D

Acq: 26 Apr 2022 17:37

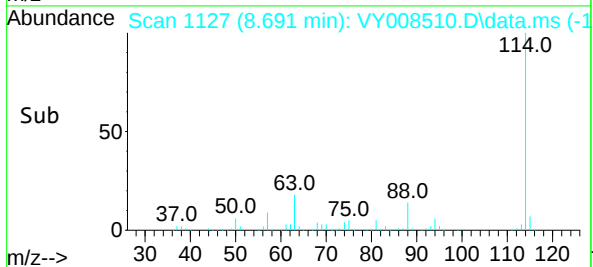
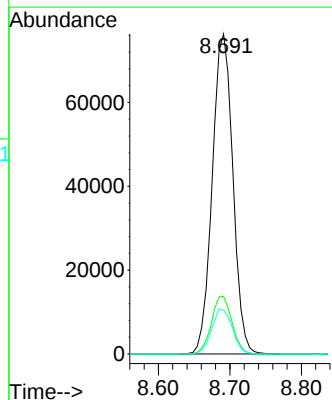
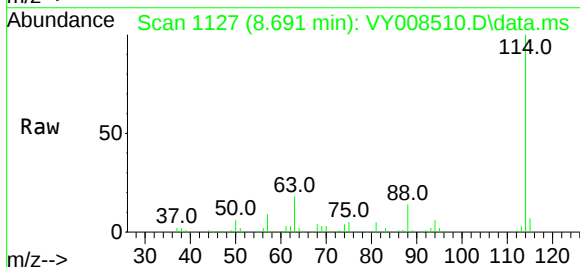
Tgt Ion: 114 Resp: 152581

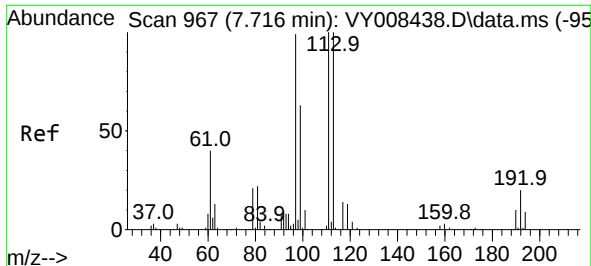
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 13.7 0.0 31.8

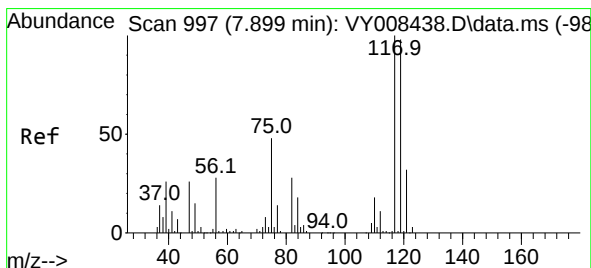
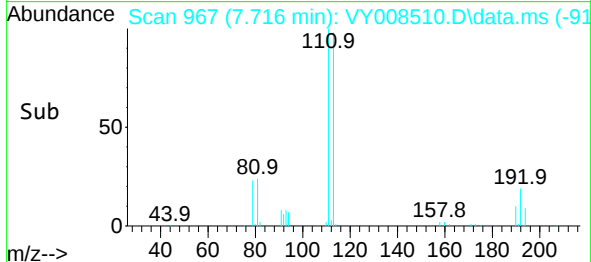
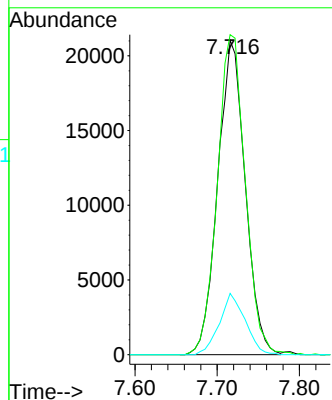
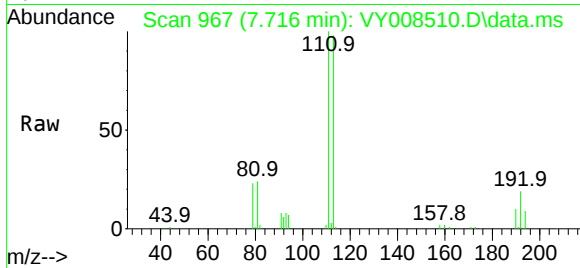




#35
Dibromofluoromethane
Concen: 49.626 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

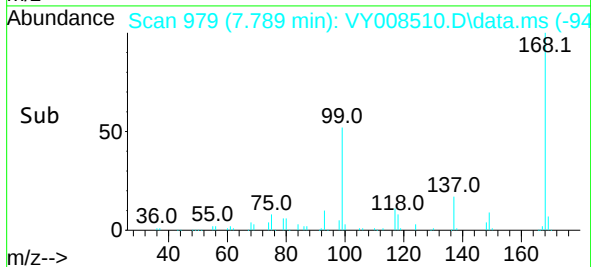
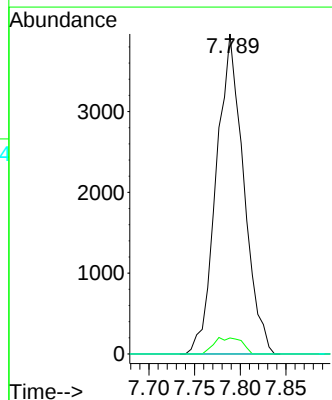
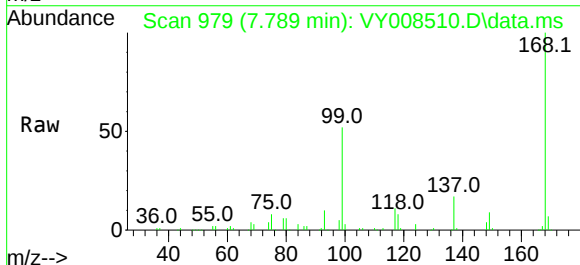
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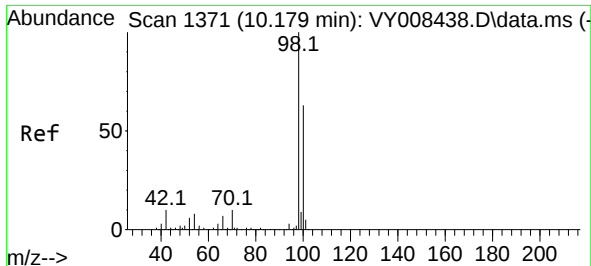
Tgt Ion:113 Resp: 48868
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.3 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.061 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

Tgt Ion:117 Resp: 8236
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

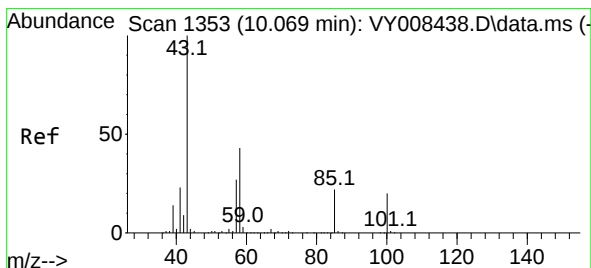
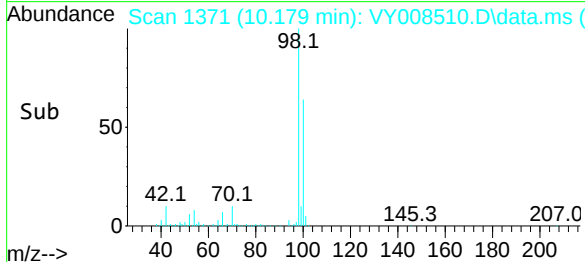
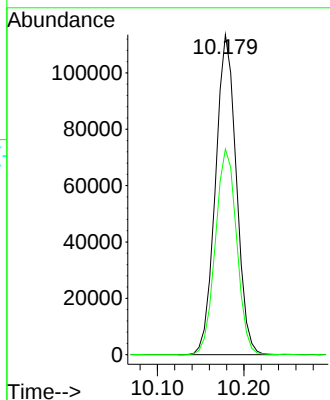
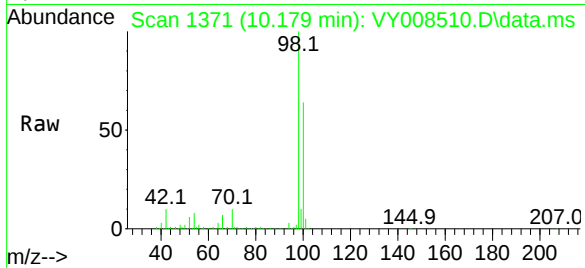




#50
Toluene-d8
Concen: 48.394 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

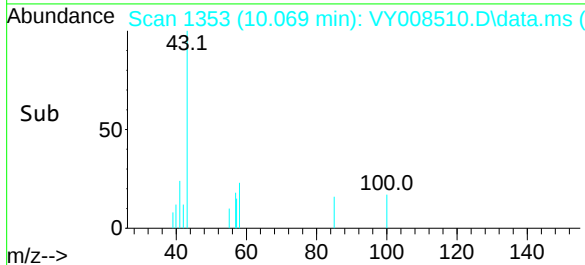
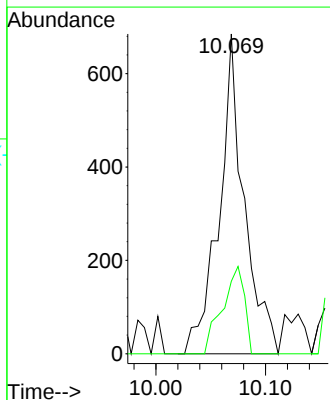
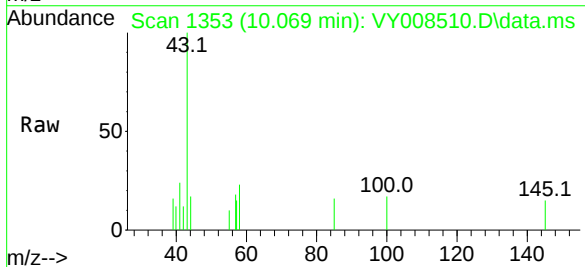
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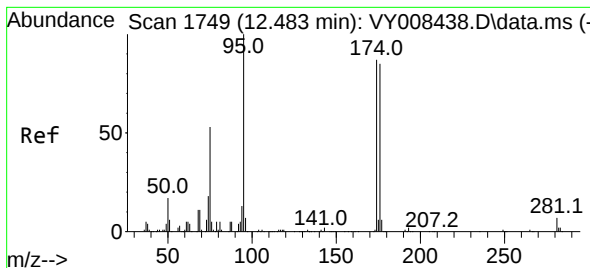
Tgt Ion: 98 Resp: 189628
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 24.0 28.1 42.1#

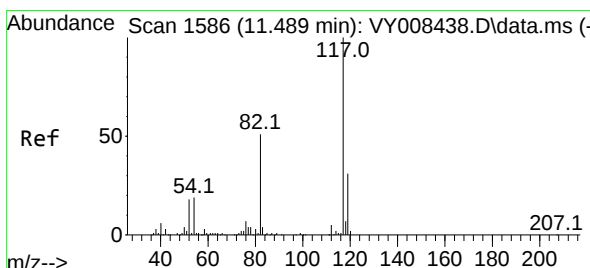
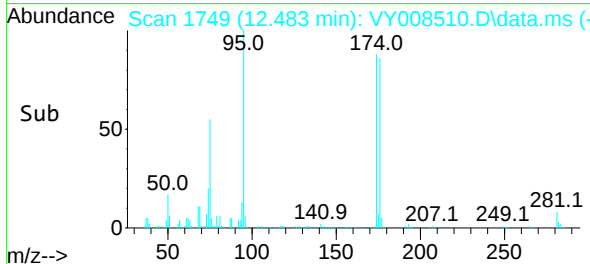
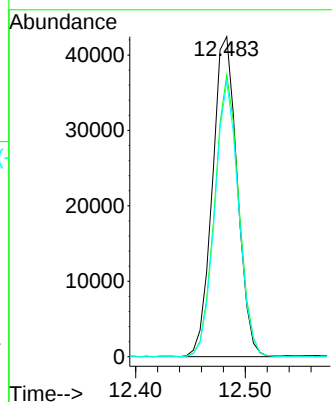
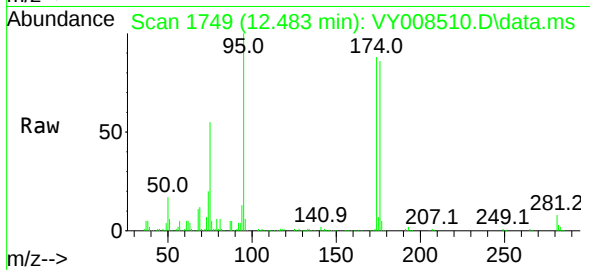




#62
4-Bromofluorobenzene
Concen: 50.330 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

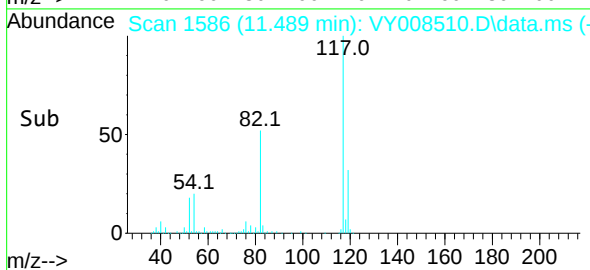
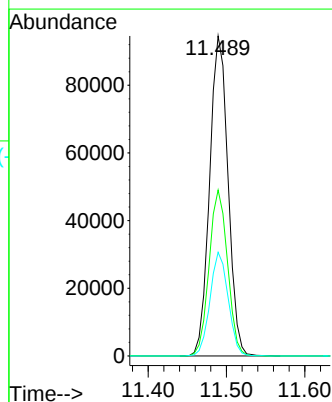
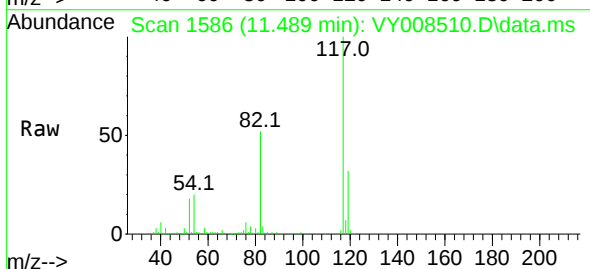
Instrument :
MSVOA_Y
ClientSampleId :
MH-10S

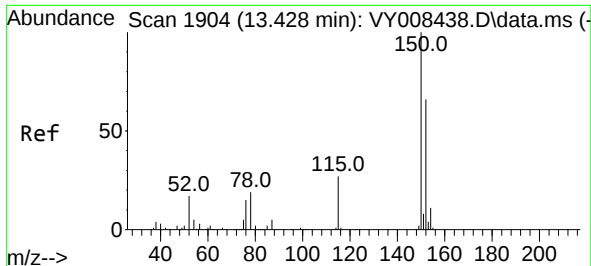
Tgt Ion: 95 Resp: 66737
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 82.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008510.D
Acq: 26 Apr 2022 17:37

Tgt Ion: 117 Resp: 154298
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.4
119 32.4 25.4 38.0

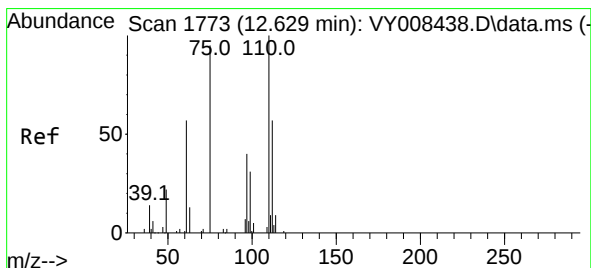
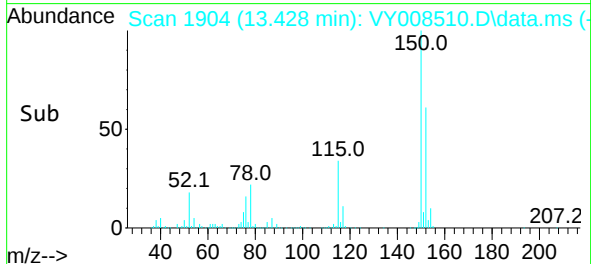
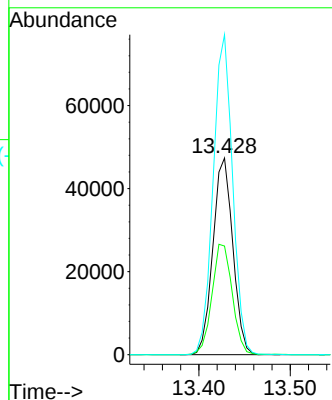
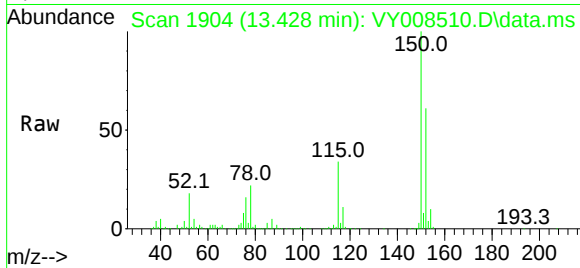




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY008510.D
 Acq: 26 Apr 2022 17:37

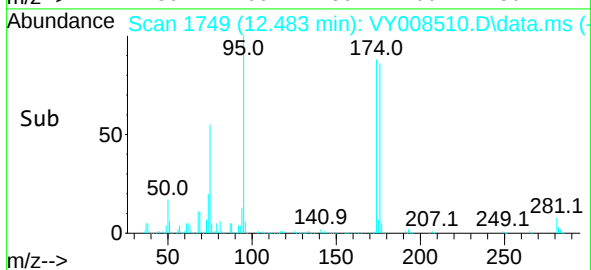
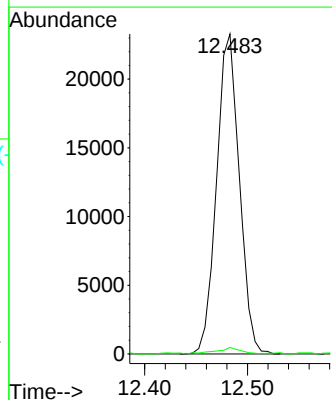
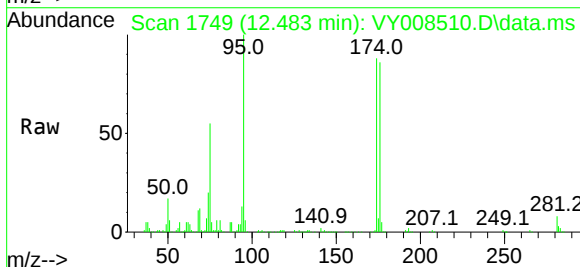
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-10S

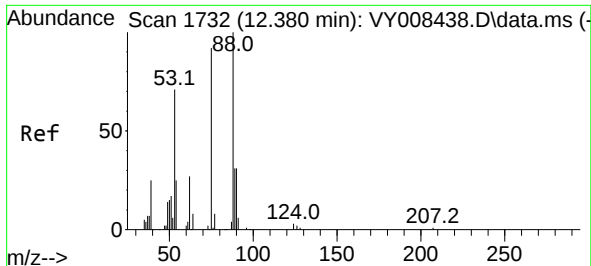
Tgt Ion:152 Resp: 71650
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 38.548 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008510.D
 Acq: 26 Apr 2022 17:37

Tgt Ion: 75 Resp: 35744
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#

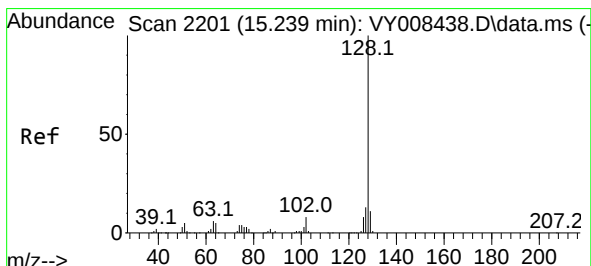
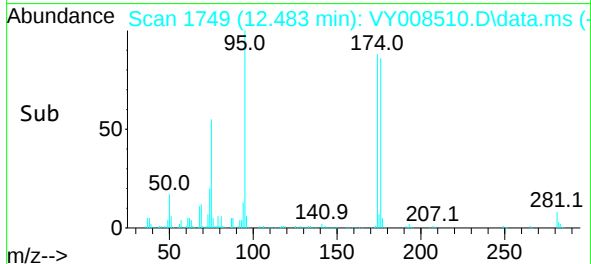
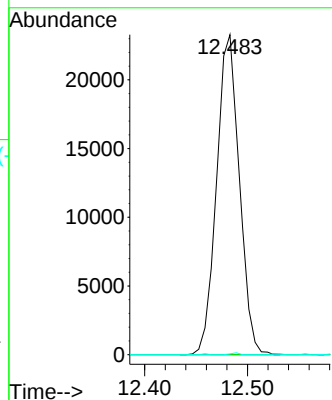
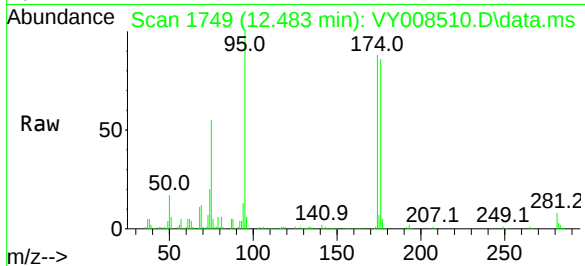




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.426 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY008510.D
 Acq: 26 Apr 2022 17:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-10S

Tgt Ion: 75 Resp: 35744
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#



#95
 Naphthalene
 Concen: 3.429 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: VY008510.D
 Acq: 26 Apr 2022 17:37

Tgt Ion: 128 Resp: 10205
 Ion Ratio Lower Upper
 128 100
 127 13.4 11.0 16.4
 129 12.0 8.4 12.6

