

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
 Data File : VY006590.D
 Acq On : 02 Nov 2021 20:34
 Operator : SY/MD
 Sample : M4427-07
 Misc : 2.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-BH-3-20211029-5-5.5

Quant Time: Nov 03 02:03:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

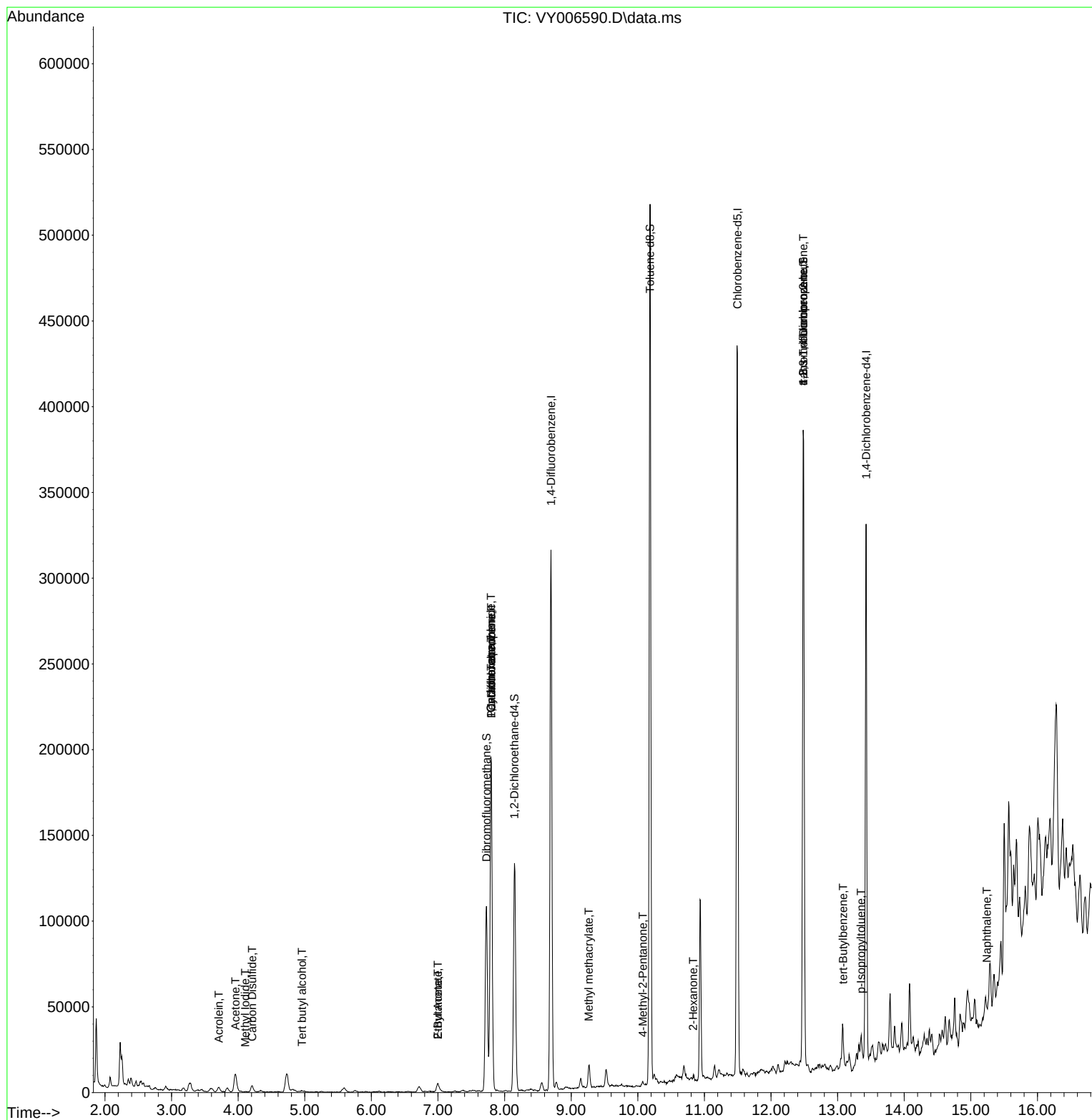
Internal Standards						
1) Pentafluorobenzene	7.801	168	145110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	245889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	216157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105928	59.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.640%	
35) Dibromofluoromethane	7.728	113	73815	53.859	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.720%	
50) Toluene-d8	10.185	98	311902	53.685	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.380%	
62) 4-Bromofluorobenzene	12.483	95	90833	46.412	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	290	5.242	ug/l #	36
11) Tert butyl alcohol	4.960	59	1376	8.482	ug/l #	72
13) Acrolein	3.710	56	115	1.025	ug/l #	1
16) Acetone	3.960	43	19295	37.526	ug/l	94
17) Carbon Disulfide	4.210	76	6232	1.450	ug/l	96
25) 2-Butanone	6.996	43	8182	12.146	ug/l	93
31) Cyclohexane	7.795	56	3773	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	12070	4.968	ug/l #	50
37) Ethyl Acetate	6.996	43	8182	5.321	ug/l #	72
38) Carbon Tetrachloride	7.795	117	14379	5.365	ug/l #	15
48) Methyl methacrylate	9.264	41	3873	2.802	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	1911	1.222	ug/l	93
59) 2-Hexanone	10.831	43	1808	1.598	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	51944	69.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51944	143.094	ug/l #	7
83) tert-Butylbenzene	13.081	119	8865	2.435	ug/l	95
86) p-Isopropyltoluene	13.349	119	10760	2.308	ug/l #	68
95) Naphthalene	15.239	128	3432	1.266	ug/l #	83

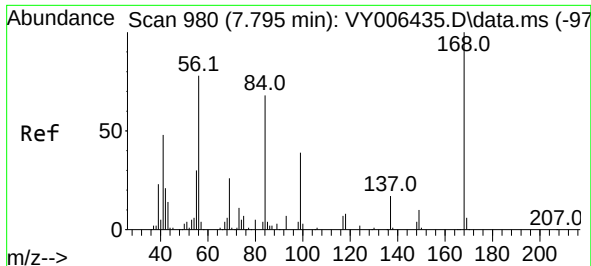
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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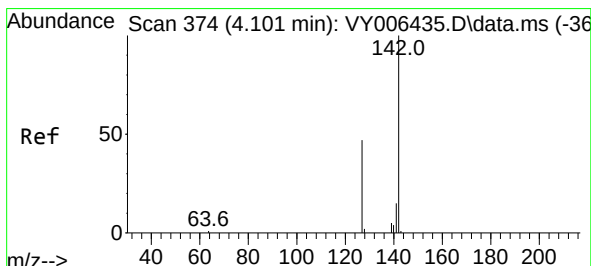
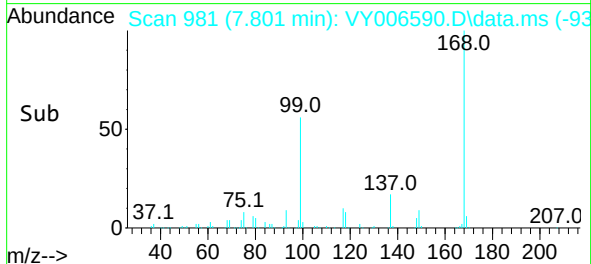
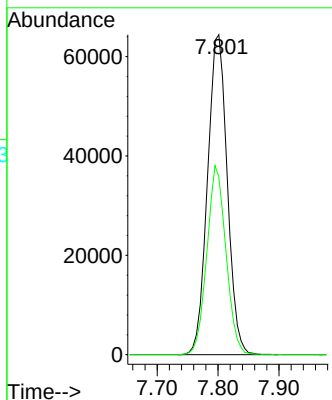
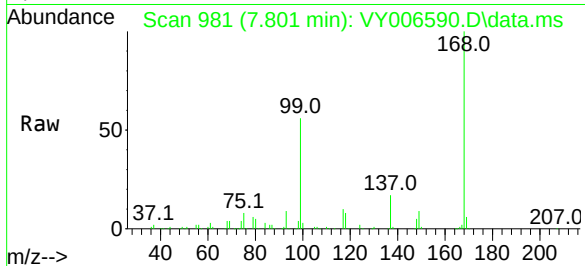




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

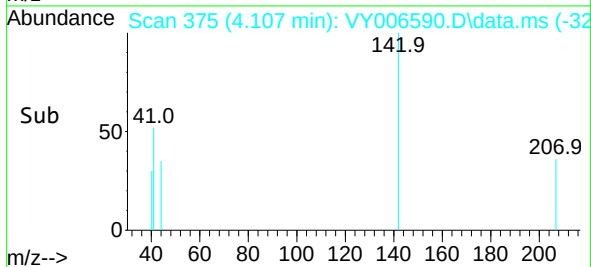
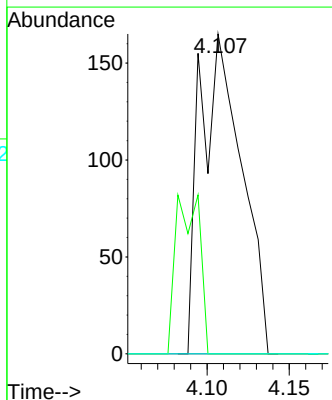
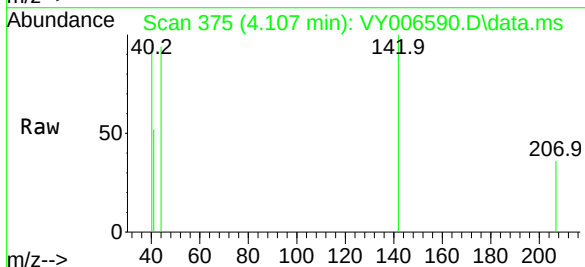
Instrument :
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ClientSampleId :
FDR-BH-3-20211029-5-5.5

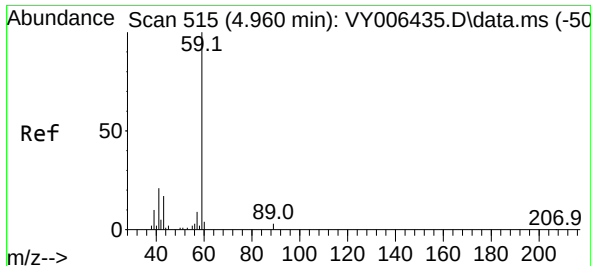
Tgt Ion:168 Resp: 145110
Ion Ratio Lower Upper
168 100
99 55.5 44.8 67.2



#10
Methyl Iodide
Concen: 5.242 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion:142 Resp: 290
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

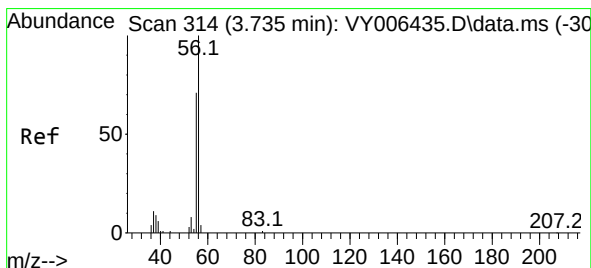
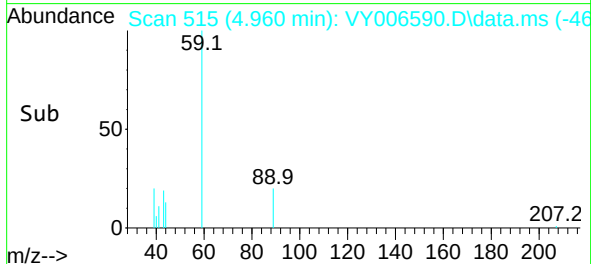
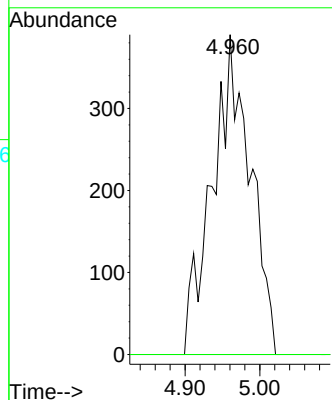
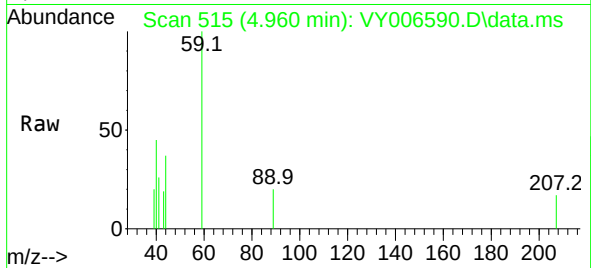




#11
Tert butyl alcohol
Concen: 8.482 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

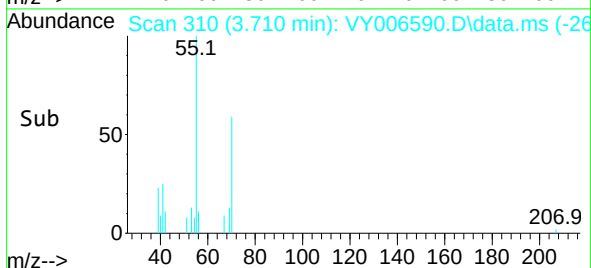
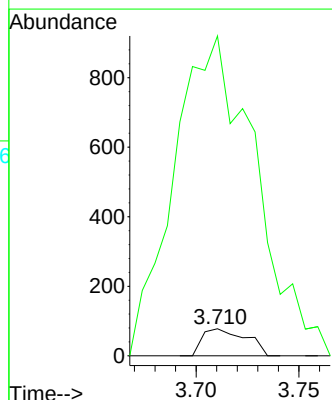
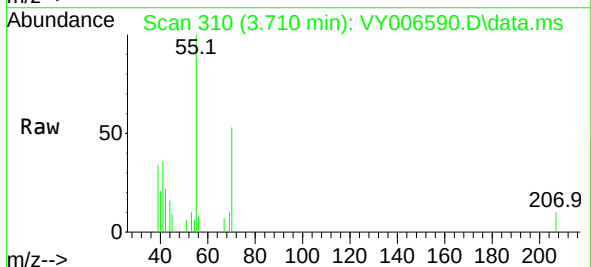
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

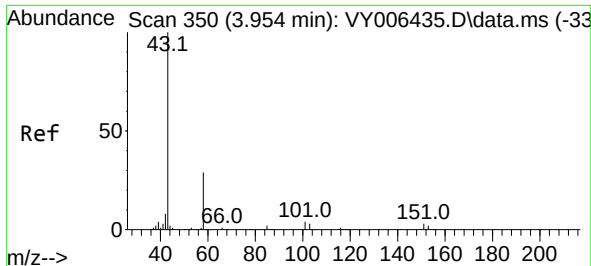
Tgt Ion: 59 Resp: 1376
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.025 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.024 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 2216.5 57.1 85.7#





#16

Acetone

Concen: 37.526 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006590.D

Acq: 02 Nov 2021 20:34

Instrument :

MSVOA_Y

ClientSampleId :

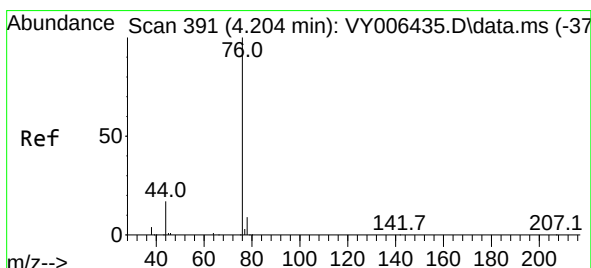
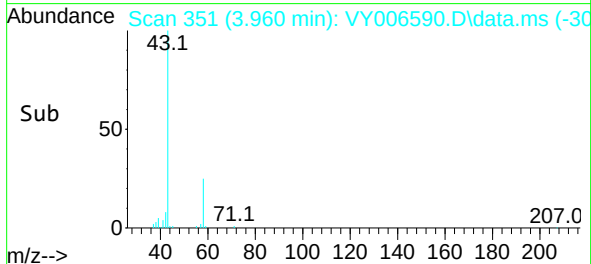
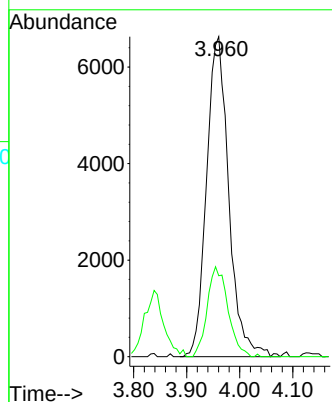
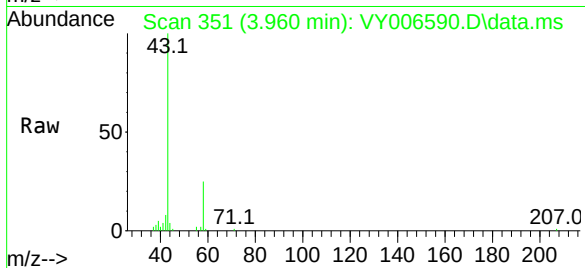
FDR-BH-3-20211029-5-5.5

Tgt Ion: 43 Resp: 19295

Ion Ratio Lower Upper

43 100

58 25.3 22.9 34.3



#17

Carbon Disulfide

Concen: 1.450 ug/l

RT: 4.210 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY006590.D

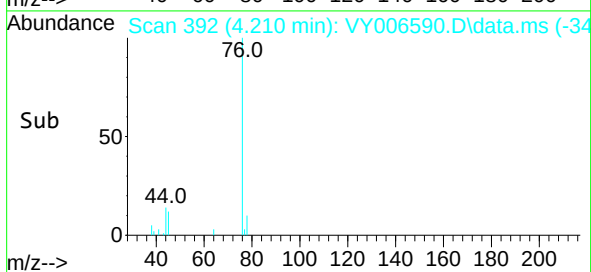
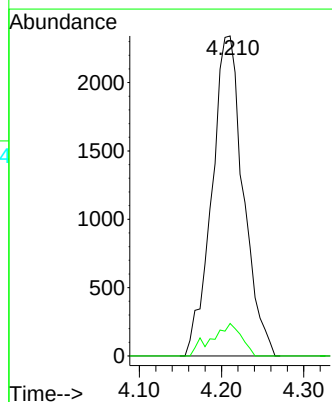
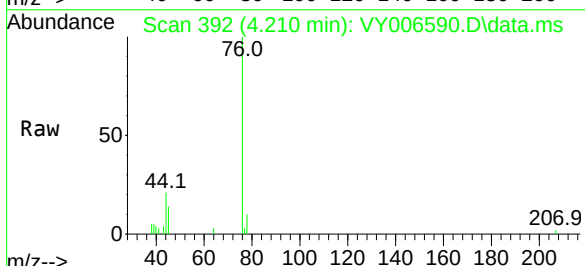
Acq: 02 Nov 2021 20:34

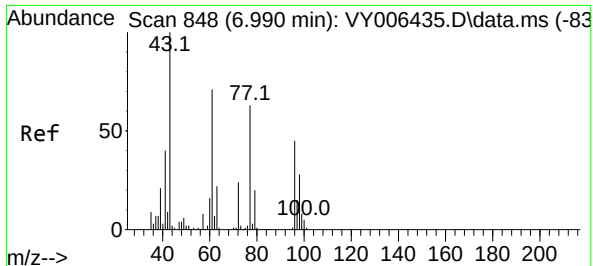
Tgt Ion: 76 Resp: 6232

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7

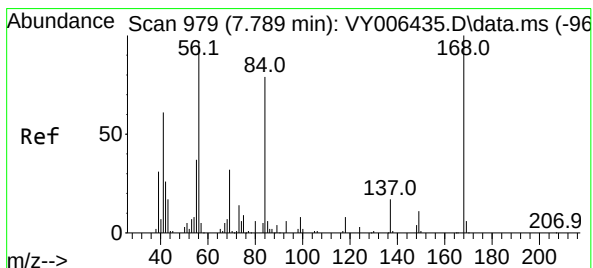
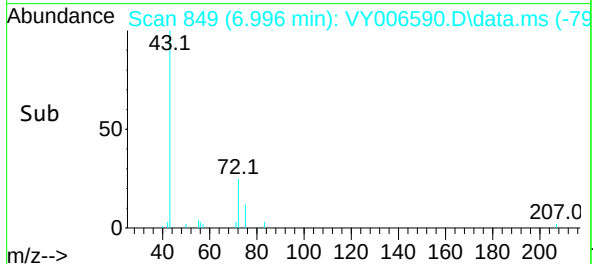
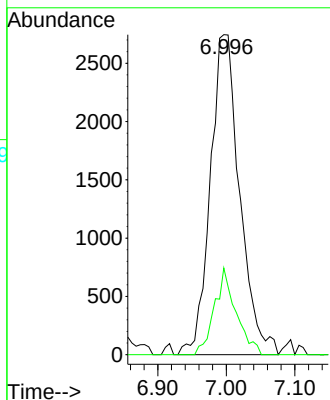
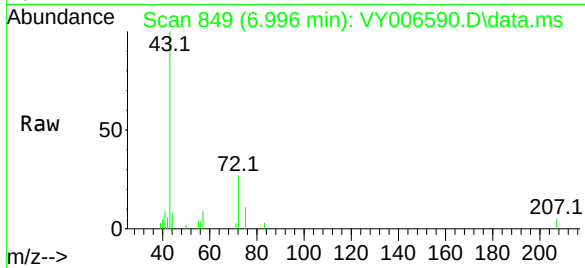




#25
2-Butanone
Concen: 12.146 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

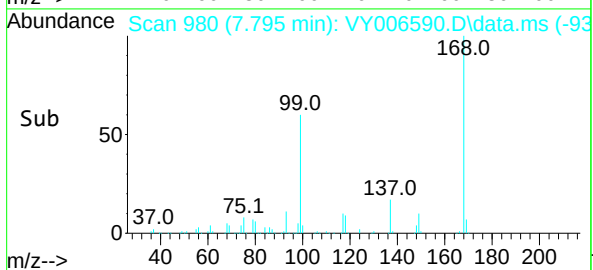
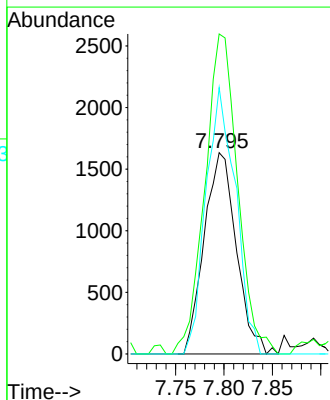
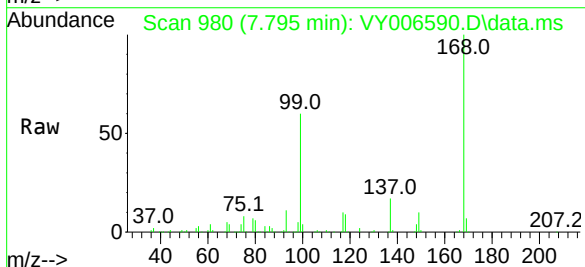
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

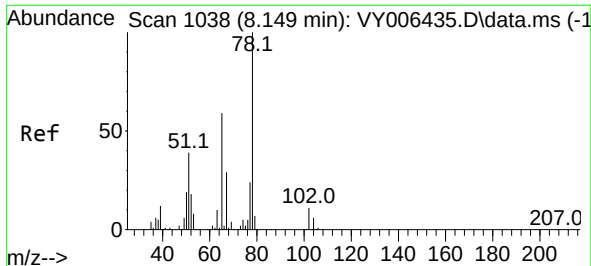
Tgt Ion: 43 Resp: 8182
Ion Ratio Lower Upper
43 100
72 27.1 18.9 28.3



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 56 Resp: 3773
Ion Ratio Lower Upper
56 100
69 159.0 26.6 40.0#
84 132.4 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 59.321 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006590.D

Acq: 02 Nov 2021 20:34

Instrument :

MSVOA_Y

ClientSampleId :

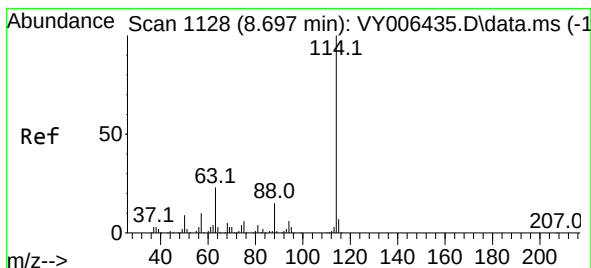
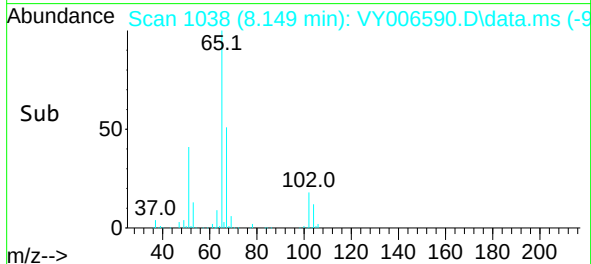
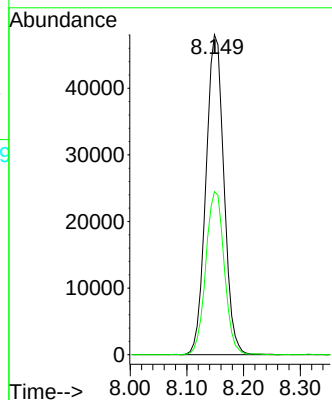
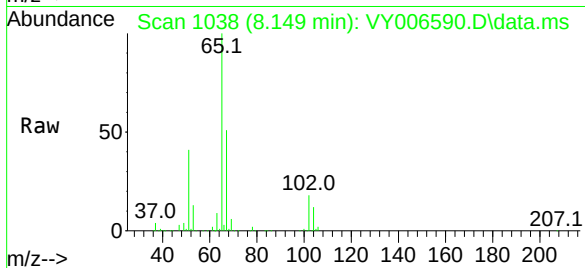
FDR-BH-3-20211029-5-5.5

Tgt Ion: 65 Resp: 105928

Ion Ratio Lower Upper

65 100

67 52.4 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006590.D

Acq: 02 Nov 2021 20:34

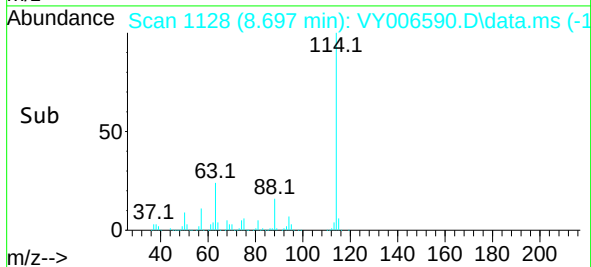
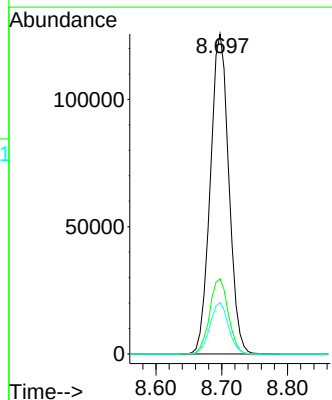
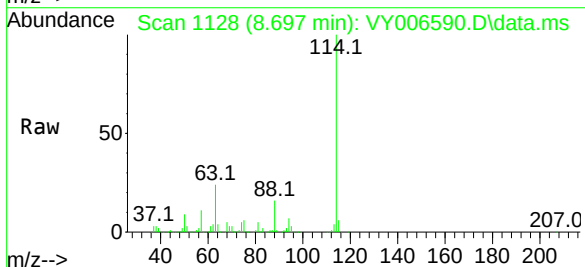
Tgt Ion: 114 Resp: 245889

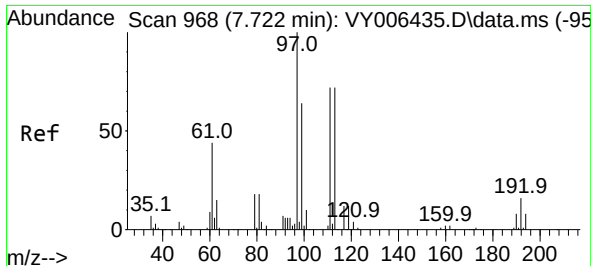
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

88 16.1 0.0 30.6

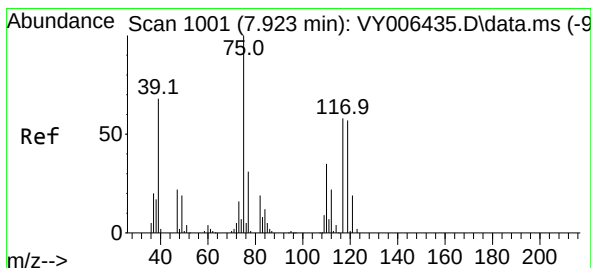
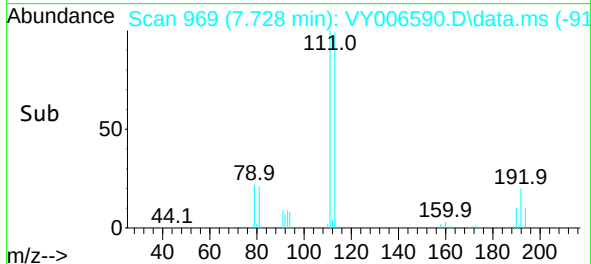
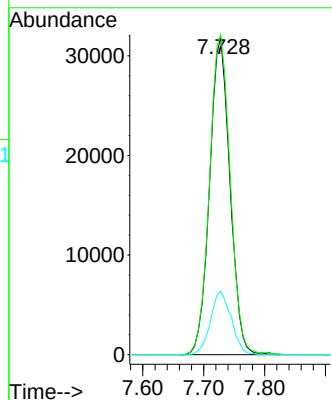
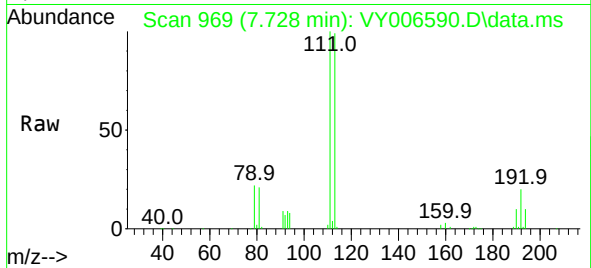




#35
Dibromofluoromethane
Concen: 53.859 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

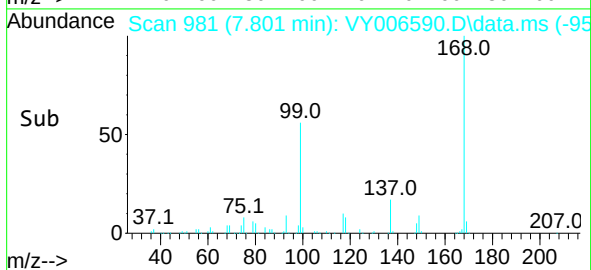
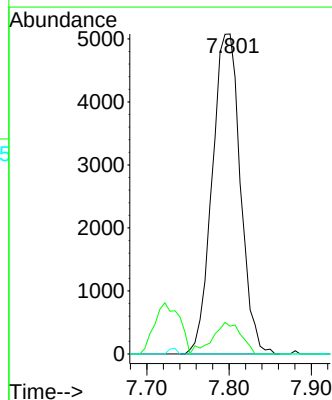
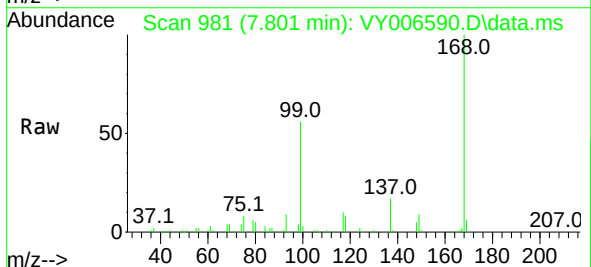
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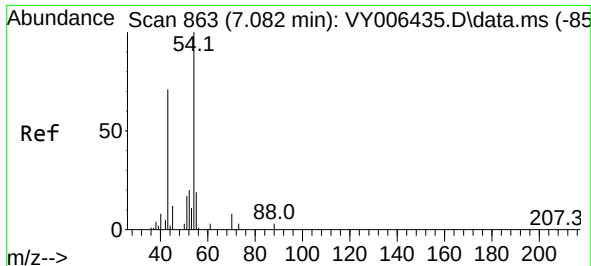
Tgt Ion:113 Resp: 73815
Ion Ratio Lower Upper
113 100
111 103.2 82.3 123.5
192 20.4 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 75 Resp: 12070
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.321 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY006590.D

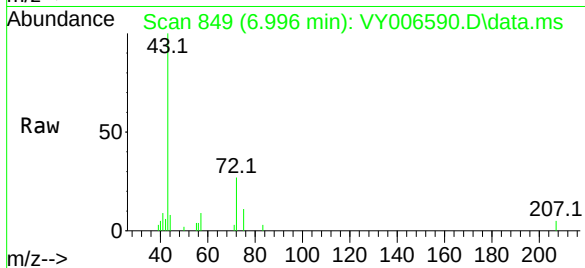
Acq: 02 Nov 2021 20:34

Instrument :

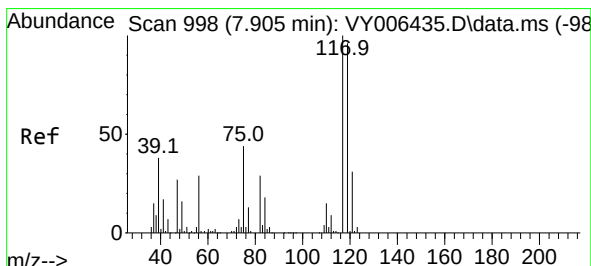
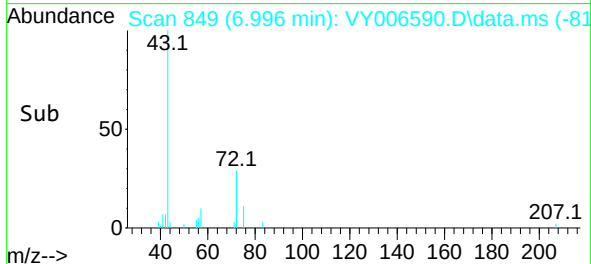
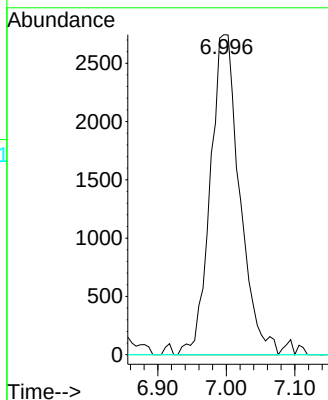
MSVOA_Y

ClientSampleId :

FDR-BH-3-20211029-5-5.5



Tgt Ion:	43	Resp:	8182
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.4	14.2#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

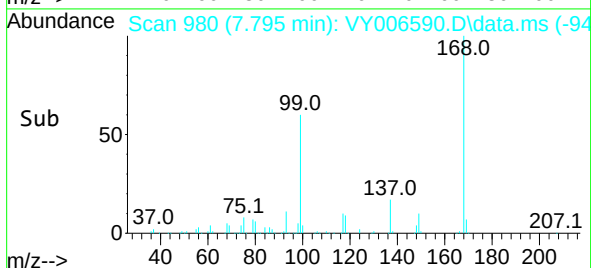
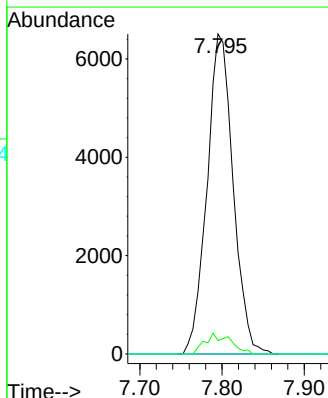
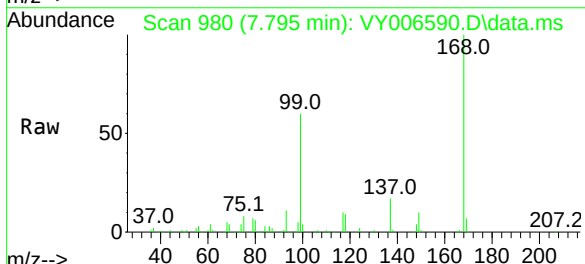
RT: 7.795 min Scan# 980

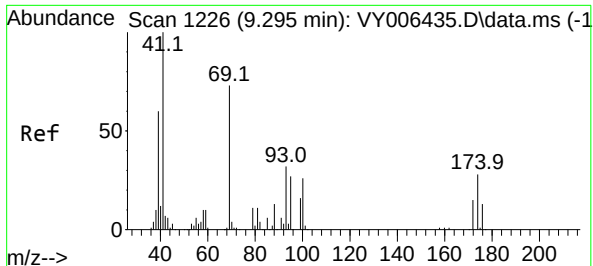
Delta R.T. -0.110 min

Lab File: VY006590.D

Acq: 02 Nov 2021 20:34

Tgt Ion:	117	Resp:	14379
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.6	115.0#
121	0.0	24.7	37.1#

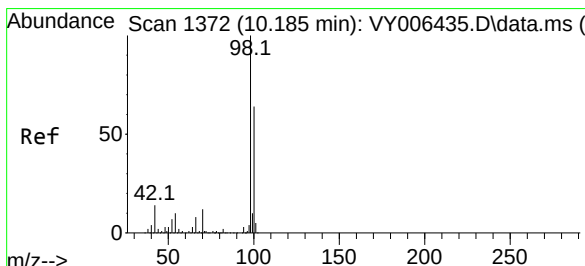
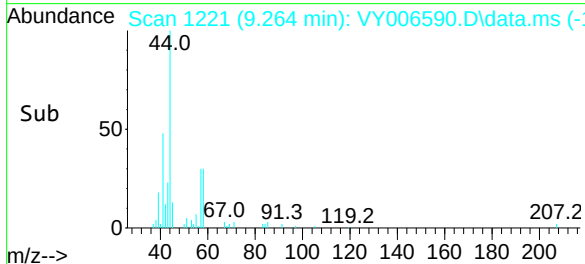
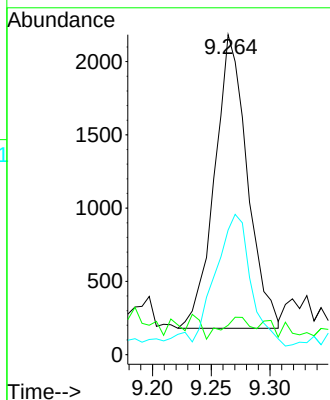
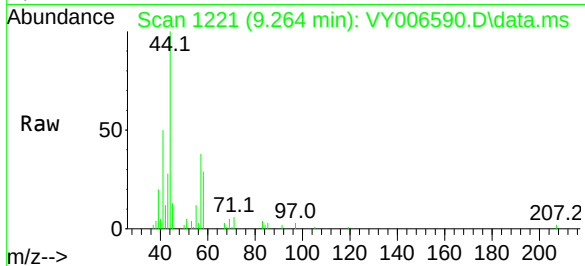




#48
Methyl methacrylate
Concen: 2.802 ug/l
RT: 9.264 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

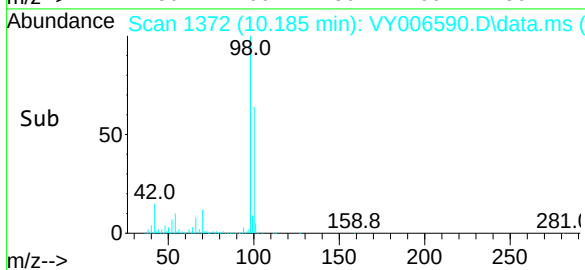
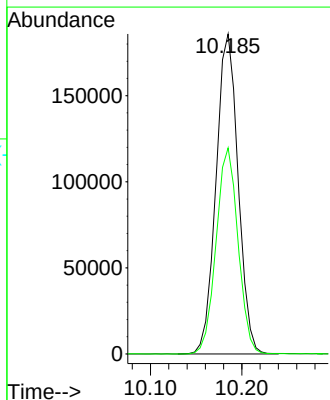
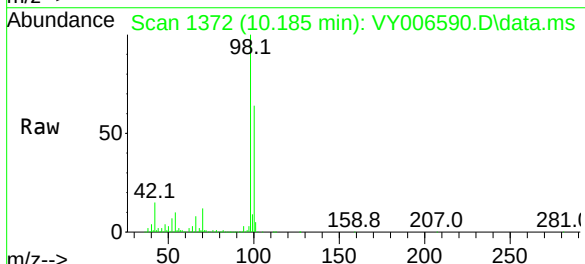
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

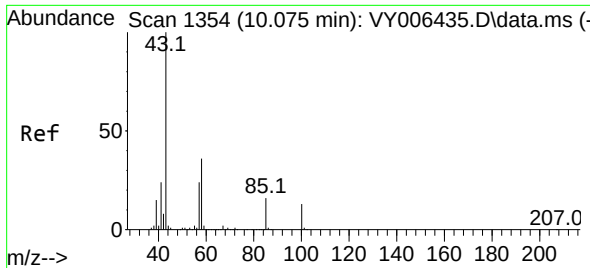
Tgt Ion: 41 Resp: 3873
Ion Ratio Lower Upper
41 100
69 6.5 60.4 90.6#
39 53.2 48.2 72.2



#50
Toluene-d8
Concen: 53.685 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 98 Resp: 311902
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

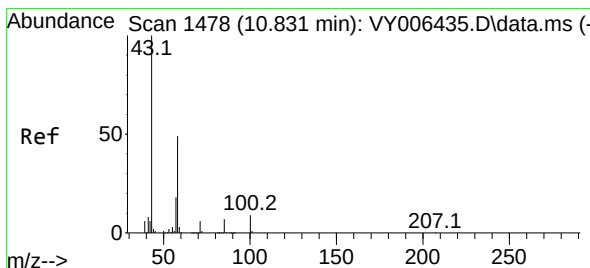
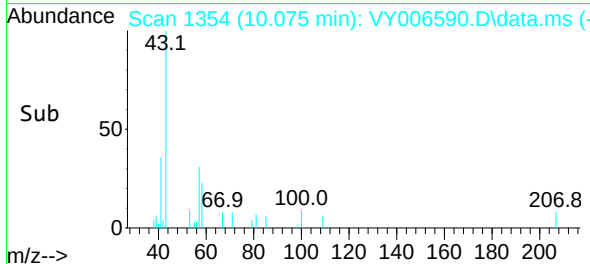
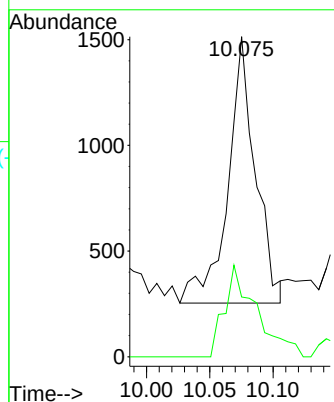
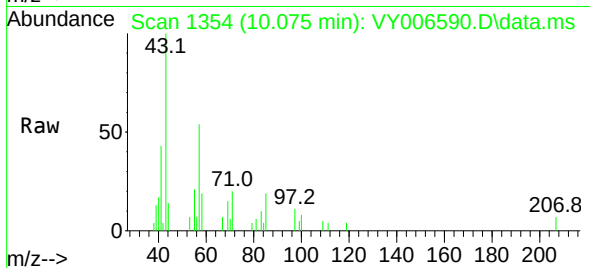




#51
4-Methyl-2-Pentanone
Concen: 1.222 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

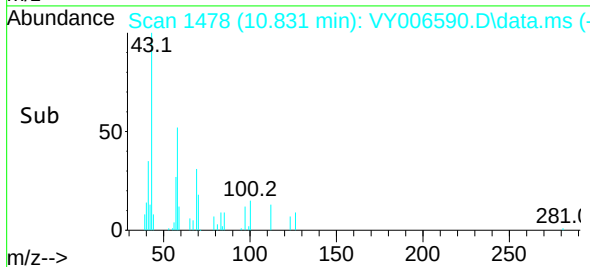
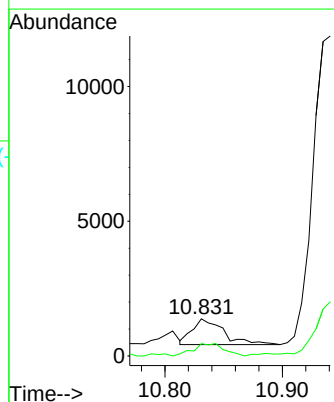
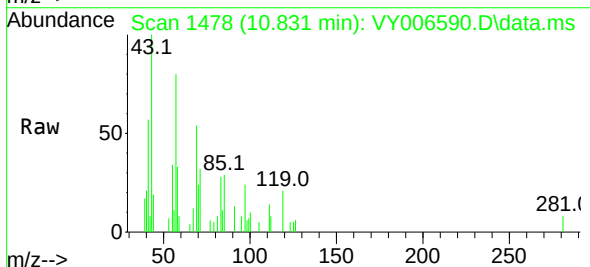
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

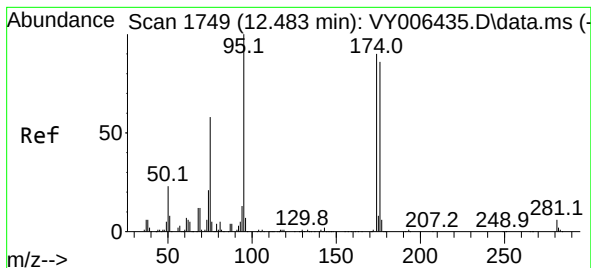
Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
58 39.9 28.7 43.1



#59
2-Hexanone
Concen: 1.598 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
58 46.2 24.6 73.6

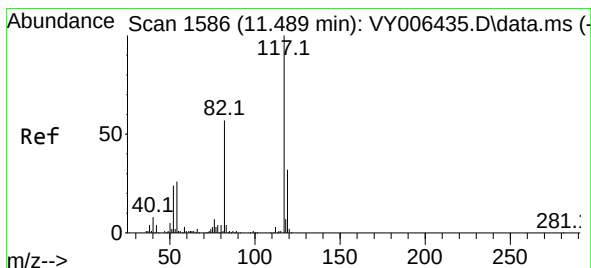
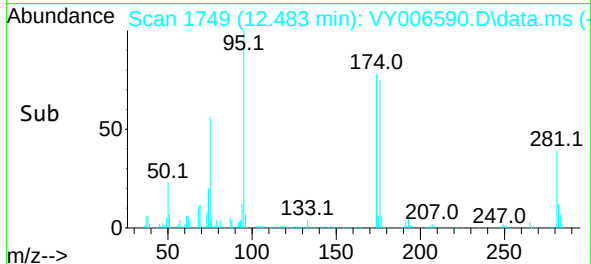
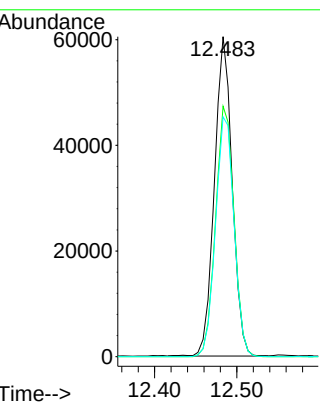
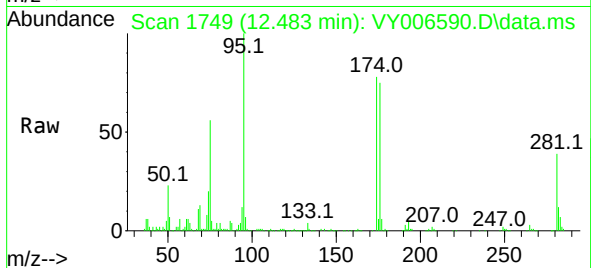




#62
4-Bromofluorobenzene
Concen: 46.412 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

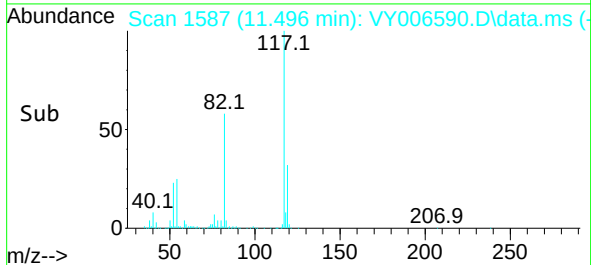
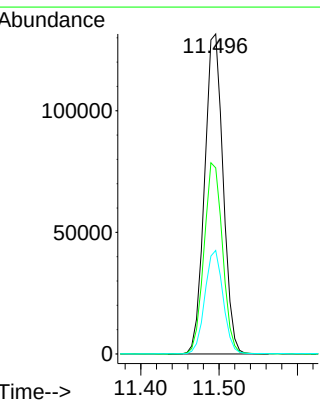
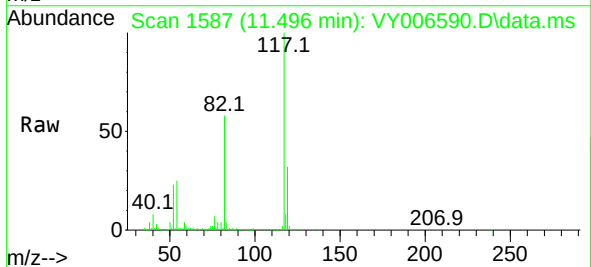
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

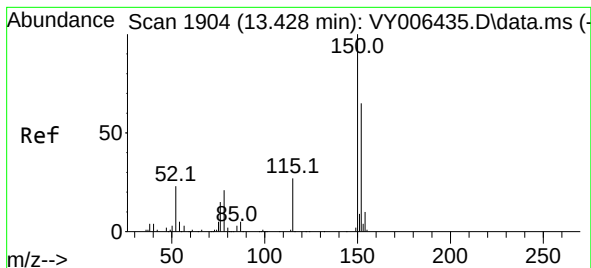
Tgt Ion: 95 Resp: 90833
Ion Ratio Lower Upper
95 100
174 81.0 0.0 177.0
176 78.2 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 117 Resp: 216157
Ion Ratio Lower Upper
117 100
82 58.2 45.7 68.5
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY006590.D

Acq: 02 Nov 2021 20:34

Instrument :

MSVOA_Y

ClientSampleId :

FDR-BH-3-20211029-5-5.5

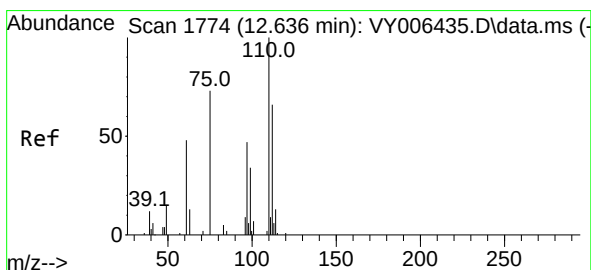
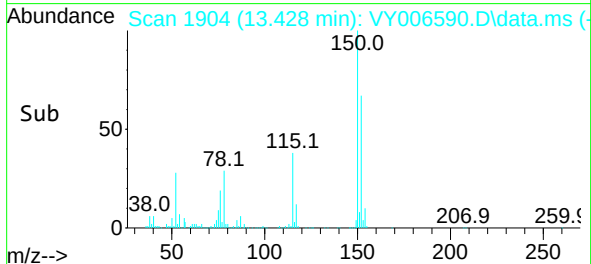
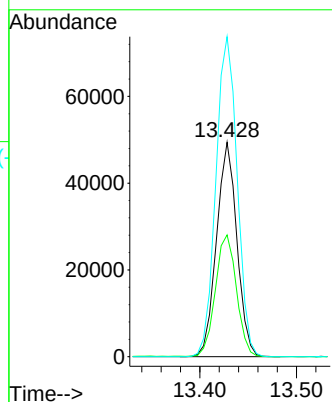
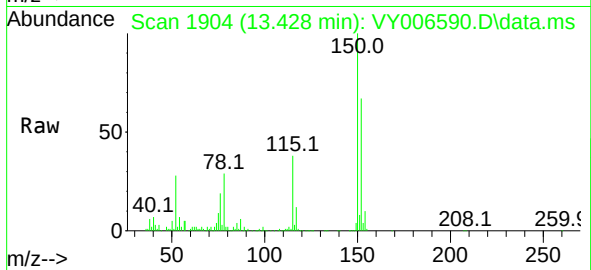
Tgt Ion:152 Resp: 72320

Ion Ratio Lower Upper

152 100

115 58.8 28.5 85.5

150 155.8 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 69.701 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY006590.D

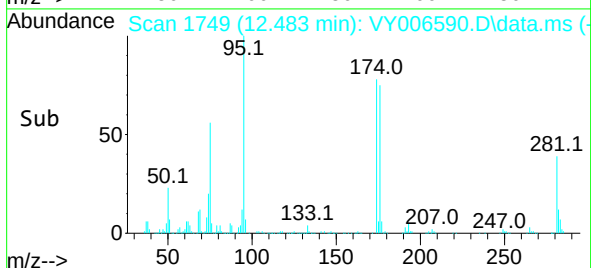
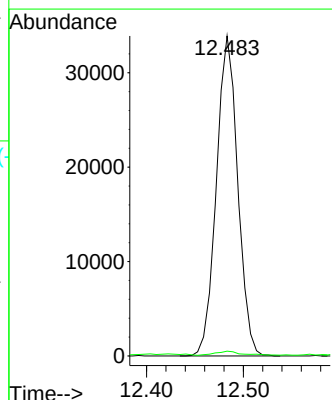
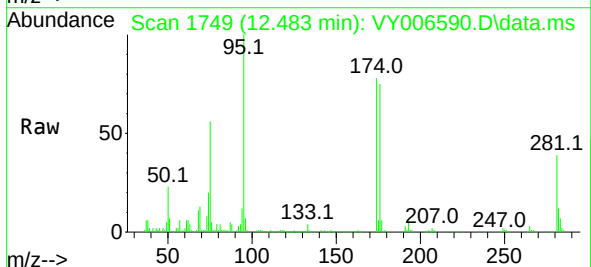
Acq: 02 Nov 2021 20:34

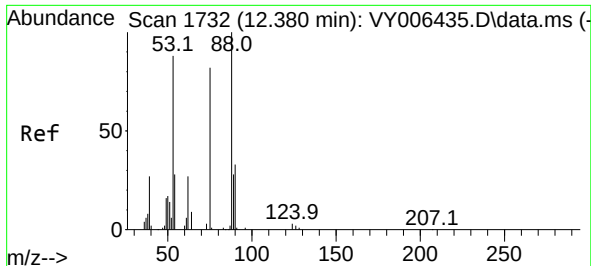
Tgt Ion: 75 Resp: 51944

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

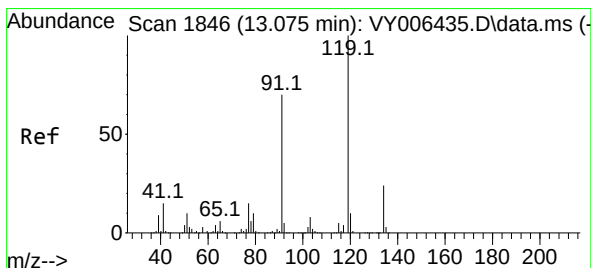
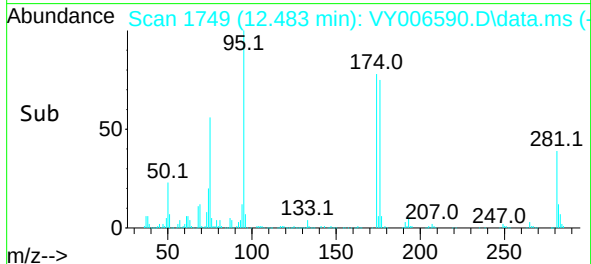
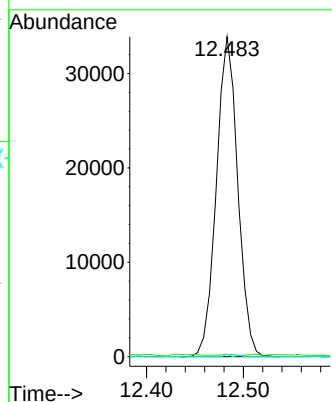
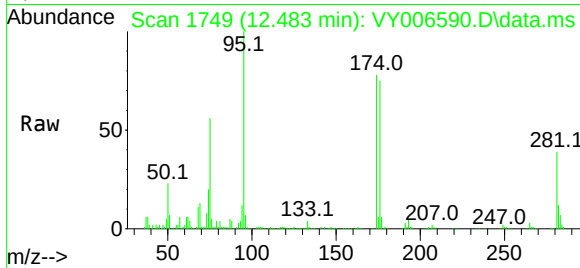




#81
trans-1,4-Dichloro-2-butene
Concen: 143.094 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

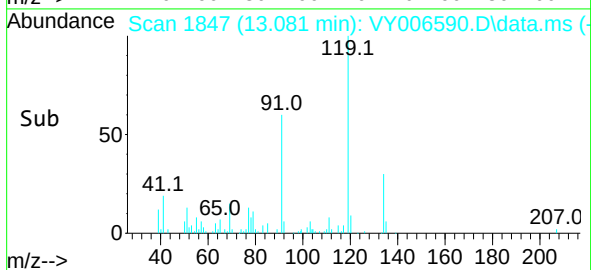
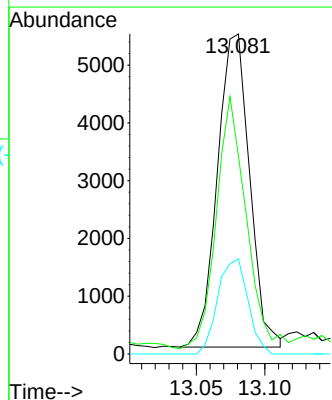
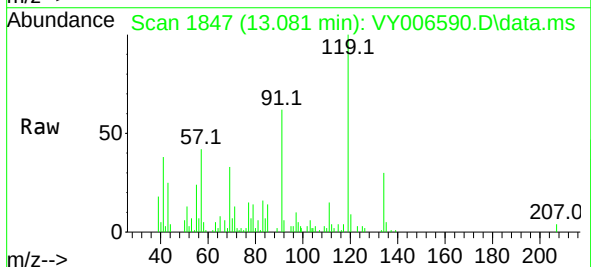
Instrument :
MSVOA_Y
ClientSampleId :
FDR-BH-3-20211029-5-5.5

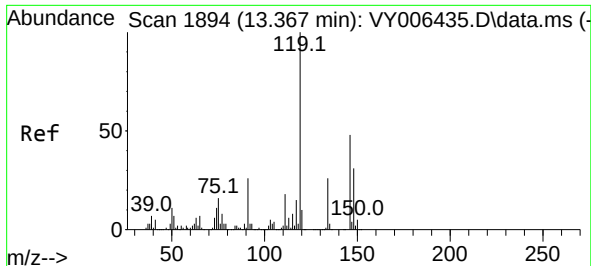
Tgt Ion: 75 Resp: 51944
Ion Ratio Lower Upper
75 100
53 0.2 85.8 128.6#
89 0.3 39.3 58.9#



#83
tert-Butylbenzene
Concen: 2.435 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY006590.D
Acq: 02 Nov 2021 20:34

Tgt Ion: 119 Resp: 8865
Ion Ratio Lower Upper
119 100
91 74.3 34.8 104.5
134 28.3 13.0 38.9

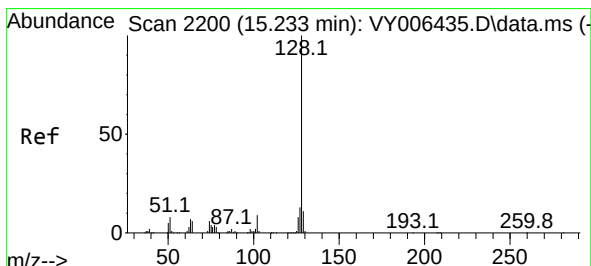
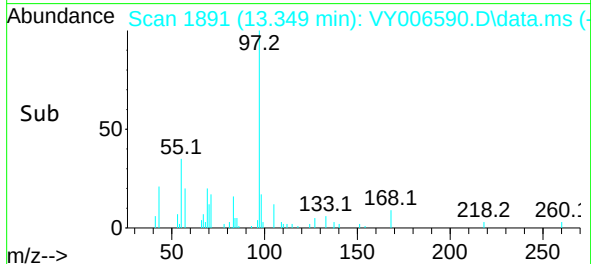
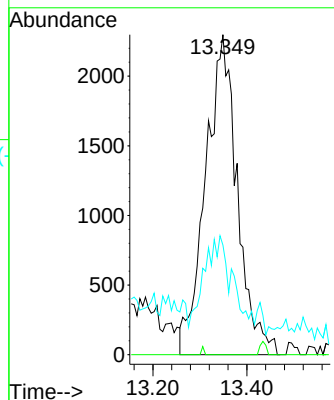
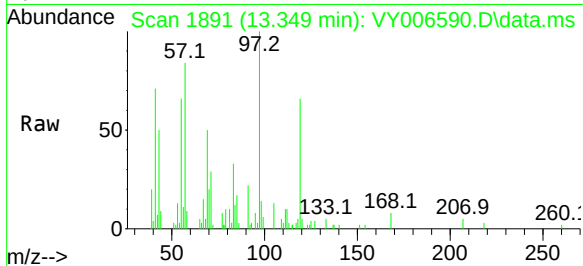




#86
 p-Isopropyltoluene
 Concen: 2.308 ug/l
 RT: 13.349 min Scan# 1891
 Delta R.T. -0.018 min
 Lab File: VY006590.D
 Acq: 02 Nov 2021 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-BH-3-20211029-5-5.5

Tgt Ion:119 Resp: 10760
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.1#
 91 18.9 12.4 37.4



#95
 Naphthalene
 Concen: 1.266 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.006 min
 Lab File: VY006590.D
 Acq: 02 Nov 2021 20:34

Tgt Ion:128 Resp: 3432
 Ion Ratio Lower Upper
 128 100
 127 22.4 11.0 16.4#
 129 15.3 8.9 13.3#

