

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006451.D
 Acq On : 22 Oct 2021 19:56
 Operator : SY/MD
 Sample : M4324-03
 Misc : 5.77G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-02-007-B

Quant Time: Oct 23 07:25:17 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)

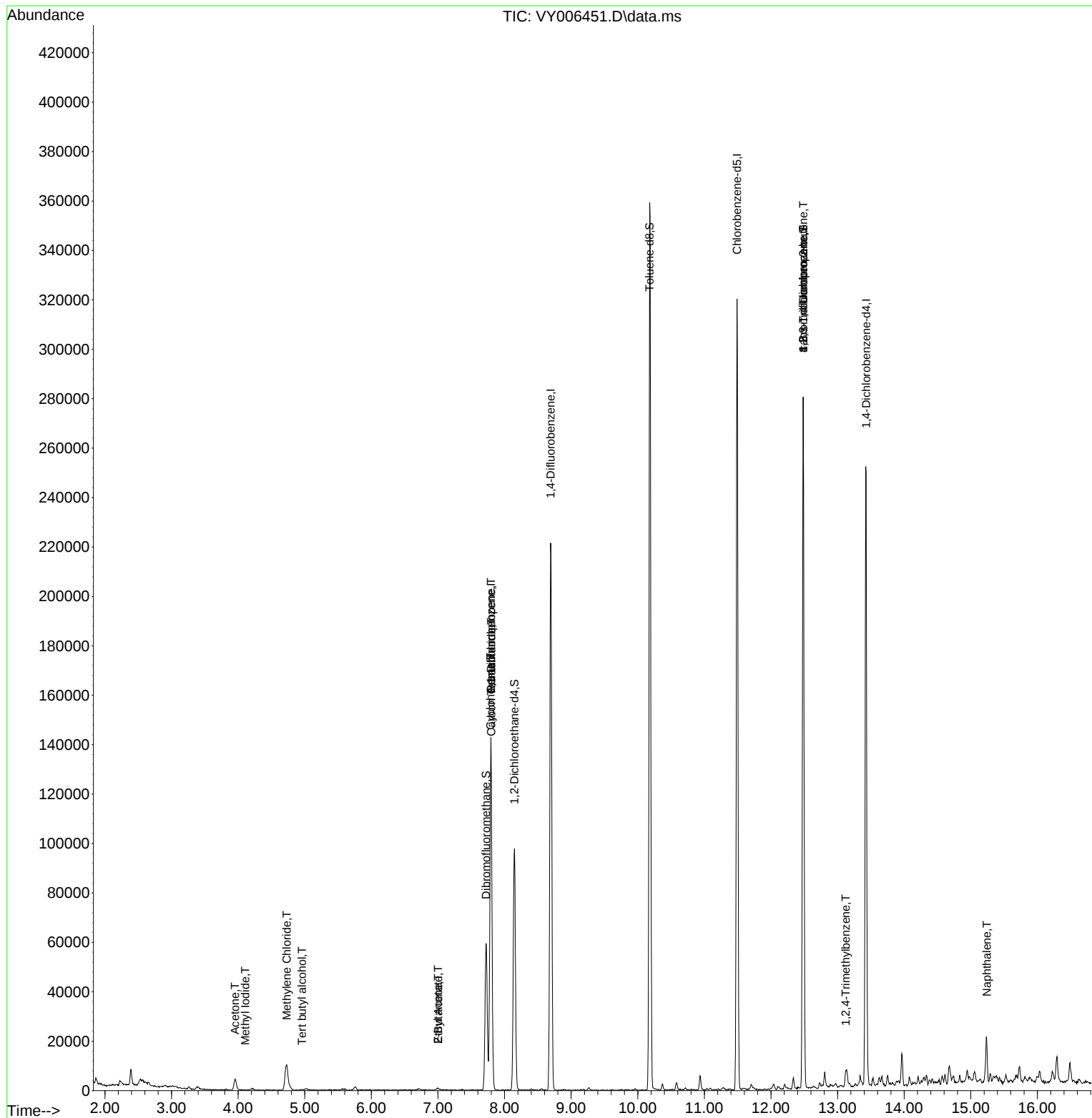
Internal Standards						
1) Pentafluorobenzene	7.795	168	102584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	178904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	160644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	81827	64.820	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.640%	
35) Dibromofluoromethane	7.722	113	39625	39.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.480%	
50) Toluene-d8	10.179	98	226282	53.531	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.060%	
62) 4-Bromofluorobenzene	12.483	95	66536	46.727	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	166	5.207	ug/l #	36
11) Tert butyl alcohol	4.960	59	548	4.778	ug/l #	72
16) Acetone	3.954	43	7551	20.773	ug/l	100
20) Methylene Chloride	4.729	84	7318	2.672	ug/l	97
25) 2-Butanone	7.003	43	1152	2.419	ug/l #	86
31) Cyclohexane	7.789	56	2623	1.283	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	8519	4.819	ug/l #	50
37) Ethyl Acetate	7.003	43	1152	1.030	ug/l #	72
38) Carbon Tetrachloride	7.801	117	10165	5.213	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	39820	62.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39820	127.575	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	4093	1.124	ug/l	74
95) Naphthalene	15.239	128	13956	5.987	ug/l	99

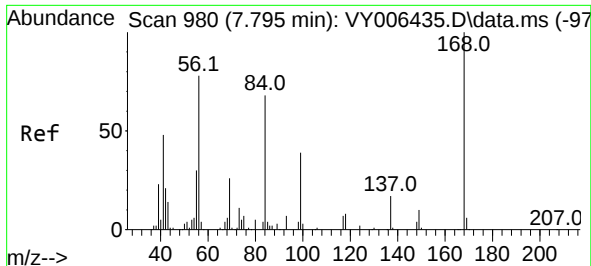
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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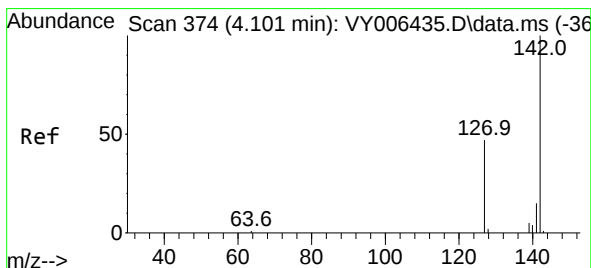
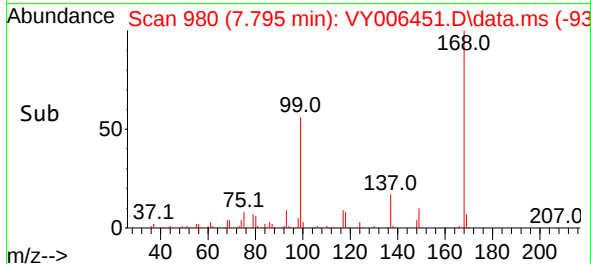
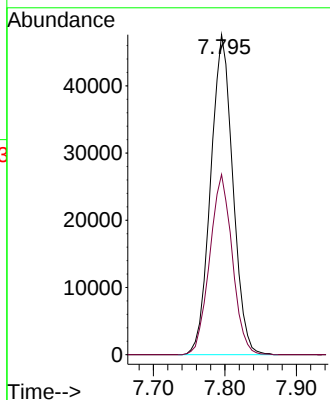
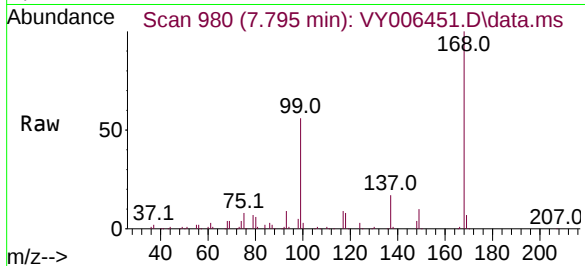




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

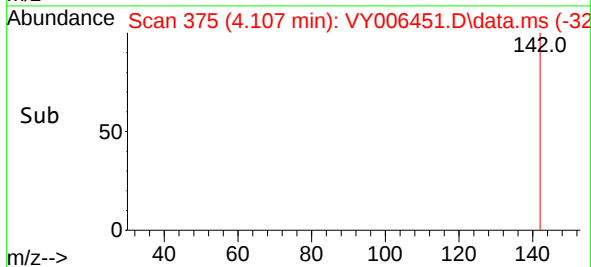
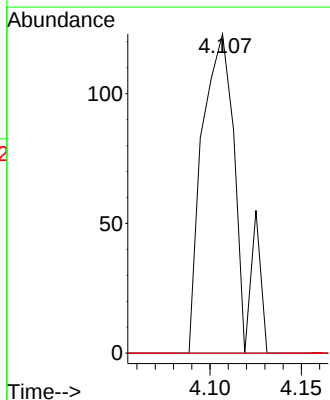
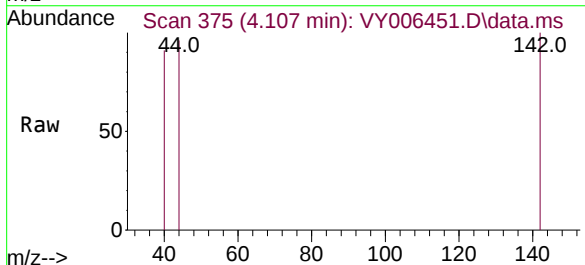
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B

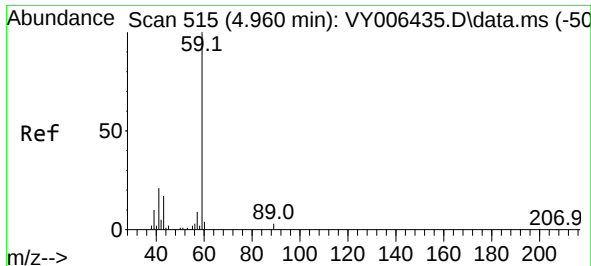
Tgt Ion:168 Resp: 102584
Ion Ratio Lower Upper
168 100
99 56.3 44.8 67.2



#10
Methyl Iodide
Concen: 5.207 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion:142 Resp: 166
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

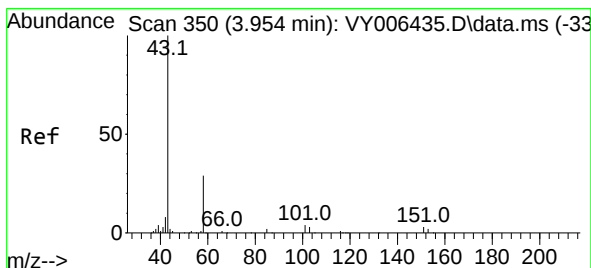
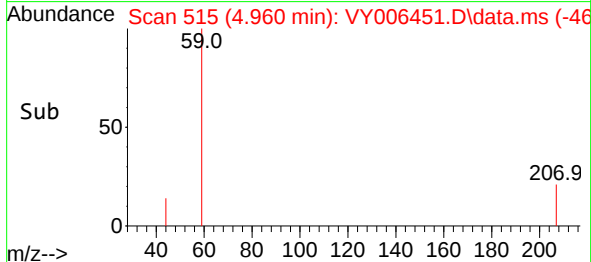
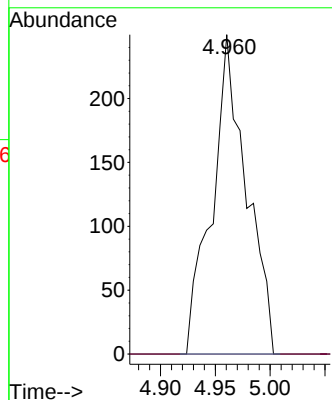
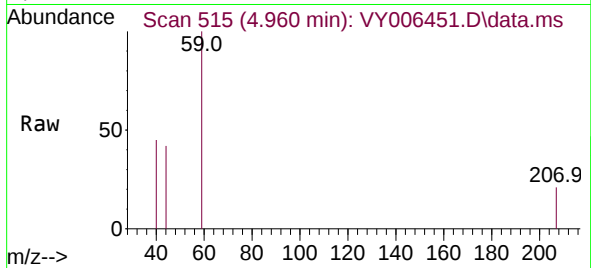




#11
Tert butyl alcohol
Concen: 4.778 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

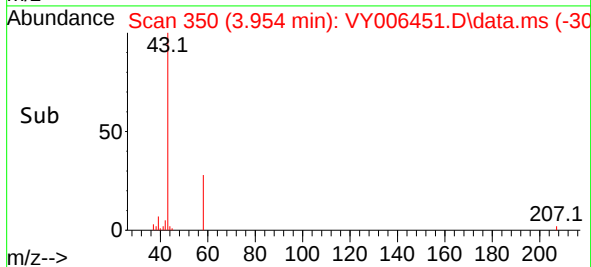
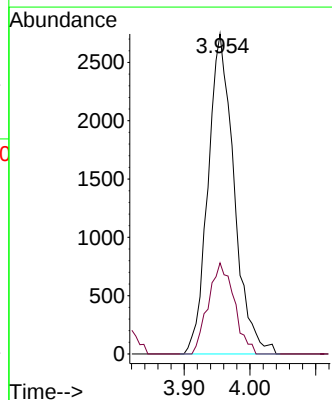
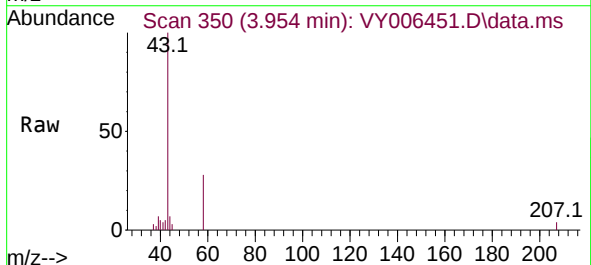
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B

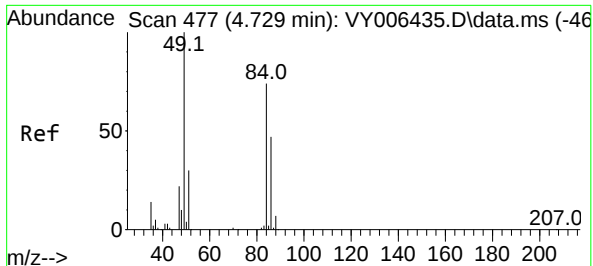
Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 20.773 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion: 43 Resp: 7551
Ion Ratio Lower Upper
43 100
58 28.5 22.9 34.3



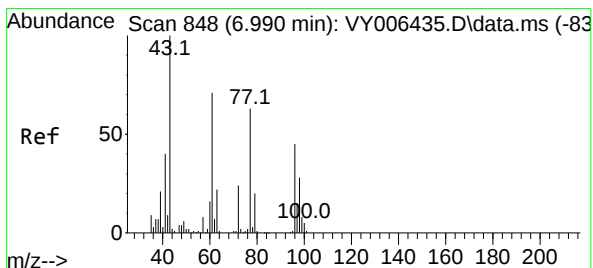
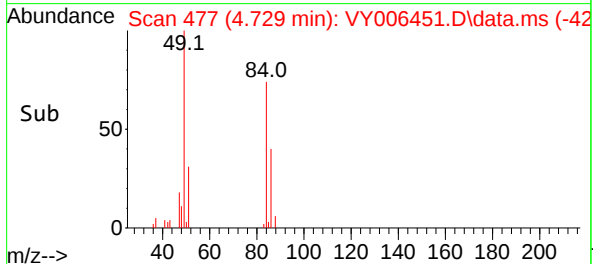
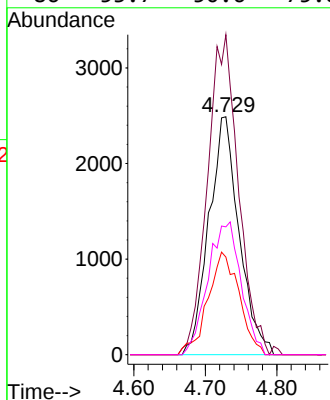
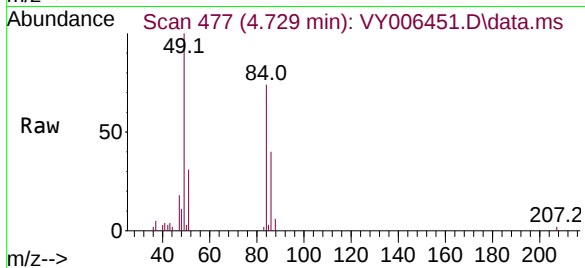


#20
Methylene Chloride
Concen: 2.672 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B

Tgt Ion: 84 Resp: 7318

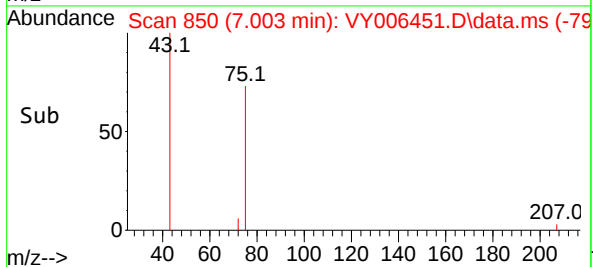
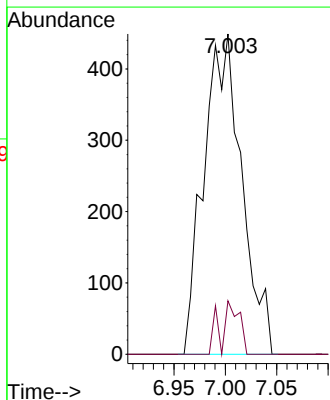
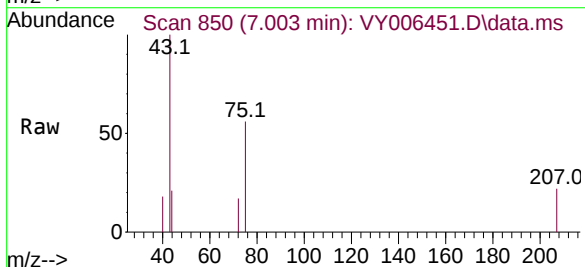
Ion	Ratio	Lower	Upper
84	100		
49	134.5	107.8	161.8
51	41.0	32.8	49.2
86	53.7	50.6	75.8

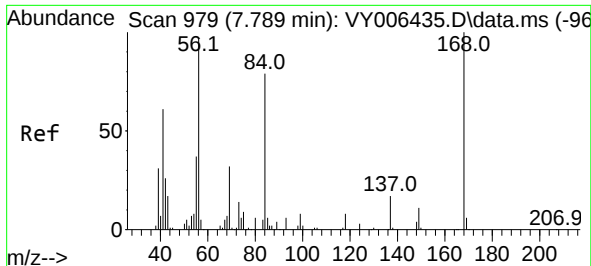


#25
2-Butanone
Concen: 2.419 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion: 43 Resp: 1152

Ion	Ratio	Lower	Upper
43	100		
72	16.7	18.9	28.3#

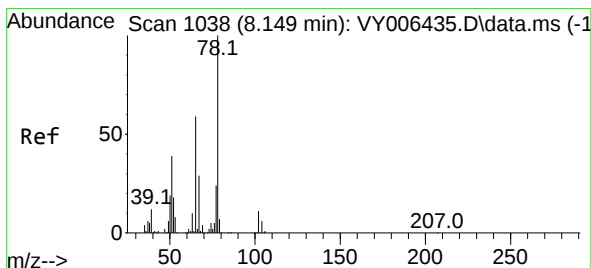
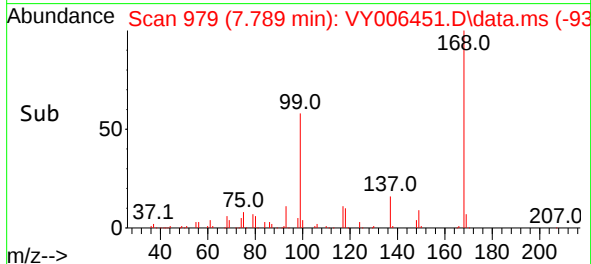
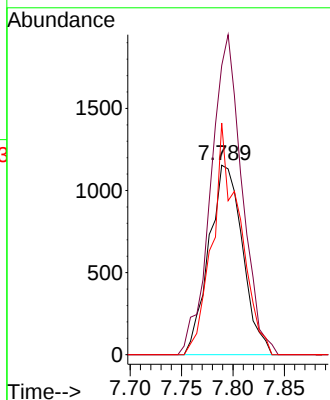
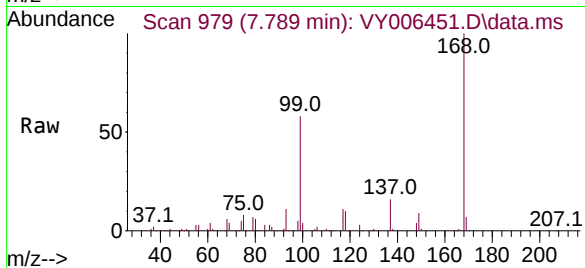




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

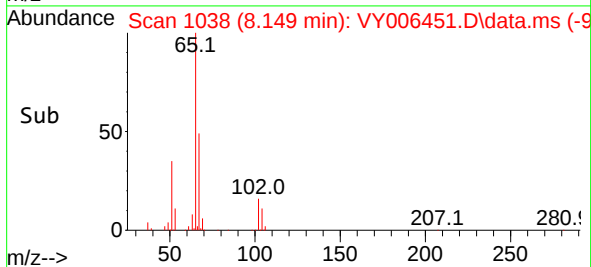
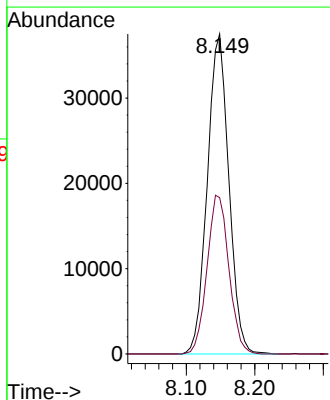
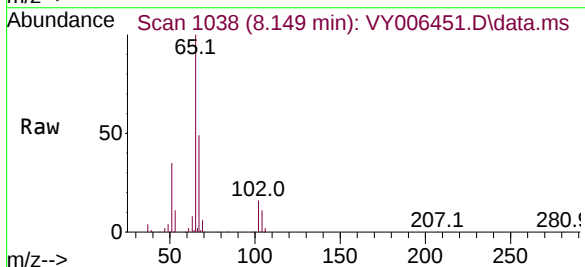
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B

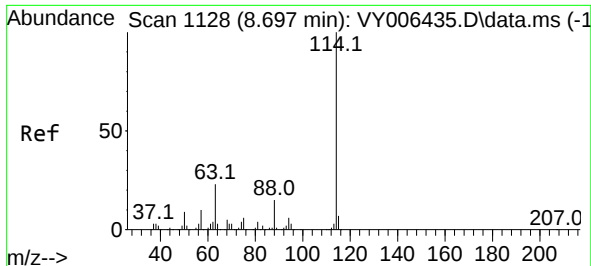
Tgt Ion: 56 Resp: 2623
Ion Ratio Lower Upper
56 100
69 152.6 26.6 40.0#
84 122.3 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 64.820 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion: 65 Resp: 81827
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006451.D

Acq: 22 Oct 2021 19:56

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-02-007-B

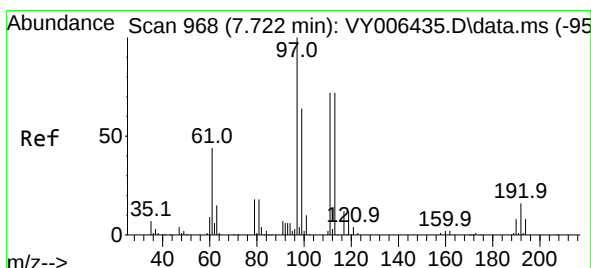
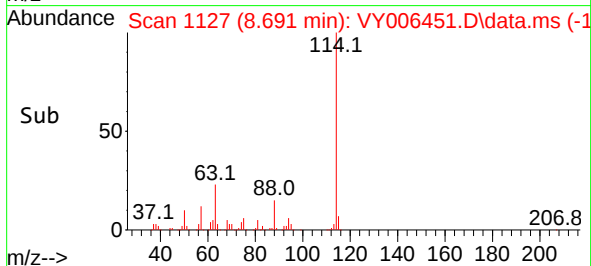
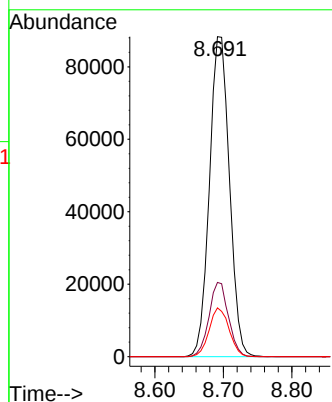
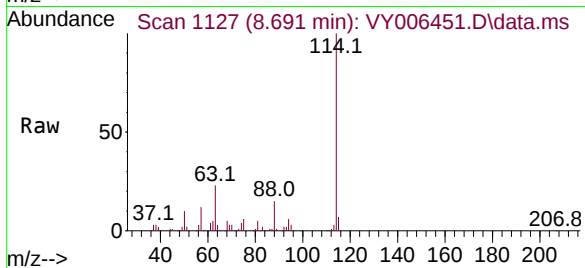
Tgt Ion:114 Resp: 178904

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 39.738 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006451.D

Acq: 22 Oct 2021 19:56

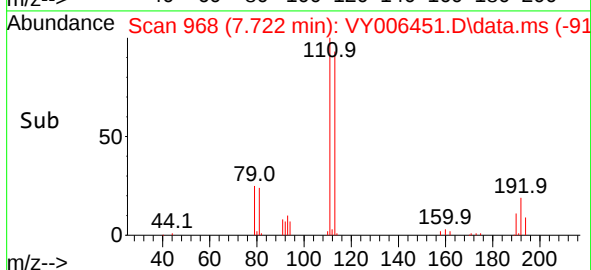
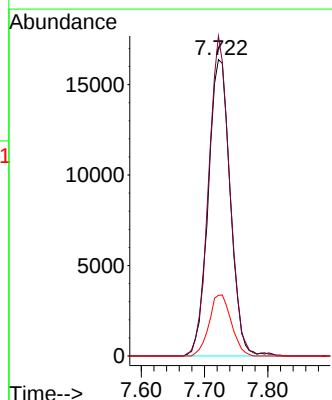
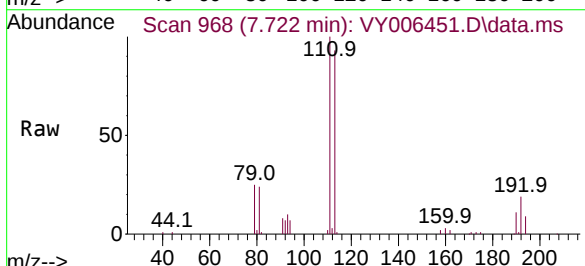
Tgt Ion:113 Resp: 39625

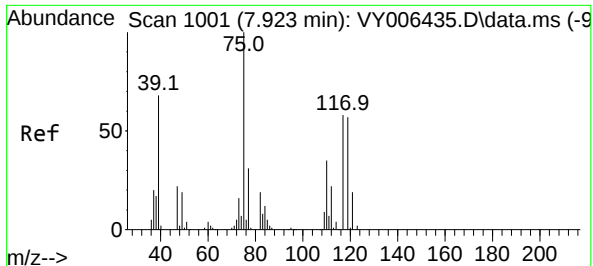
Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 20.7 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY006451.D

Acq: 22 Oct 2021 19:56

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-02-007-B

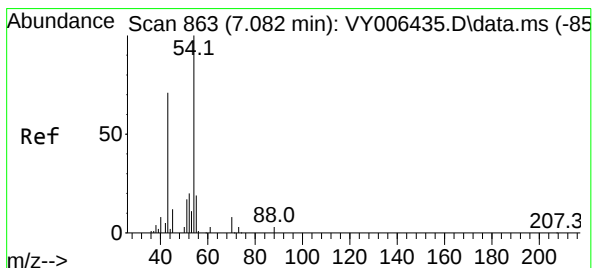
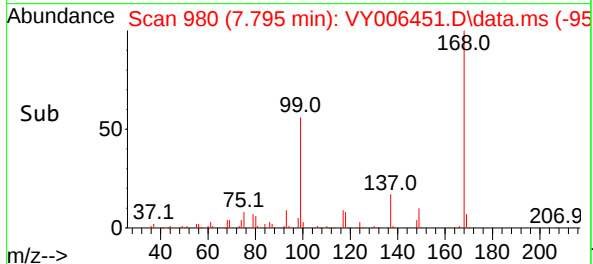
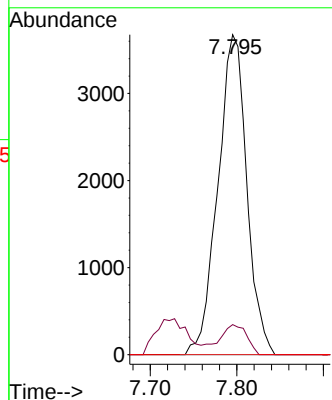
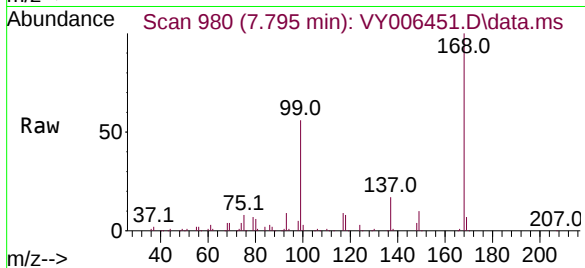
Tgt Ion: 75 Resp: 8519

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.030 ug/l

RT: 7.003 min Scan# 850

Delta R.T. -0.079 min

Lab File: VY006451.D

Acq: 22 Oct 2021 19:56

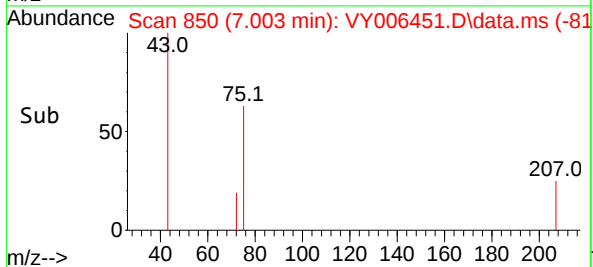
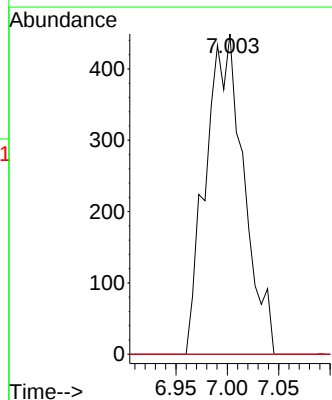
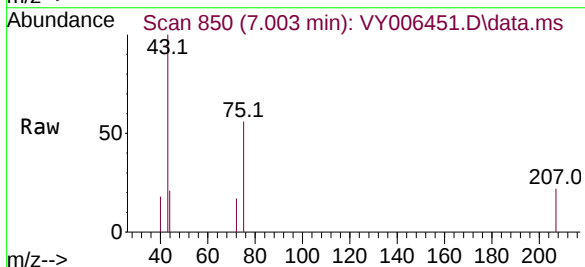
Tgt Ion: 43 Resp: 1152

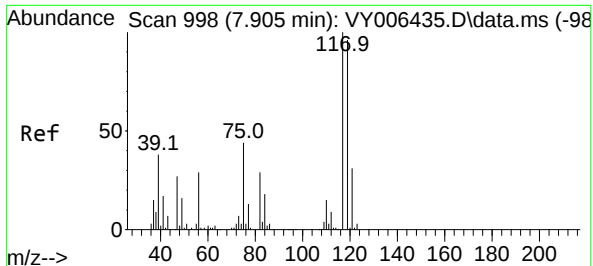
Ion Ratio Lower Upper

43 100

61 0.0 9.4 14.2#

70 0.0 6.9 10.3#

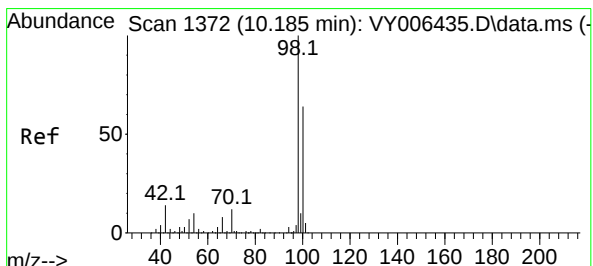
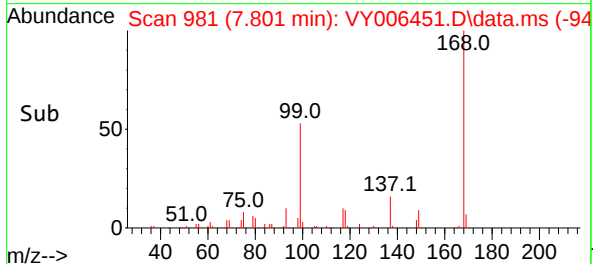
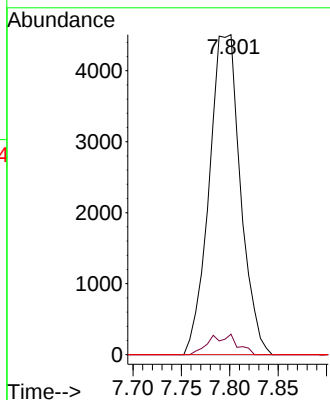
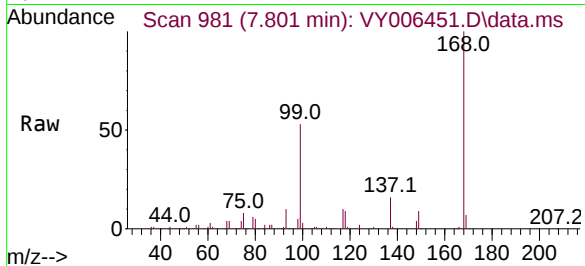




#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

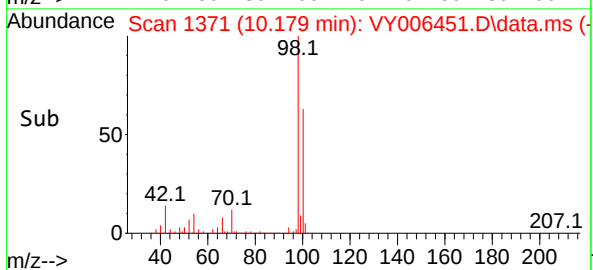
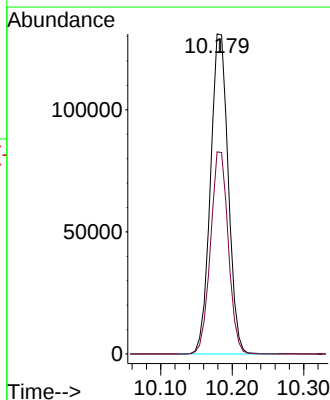
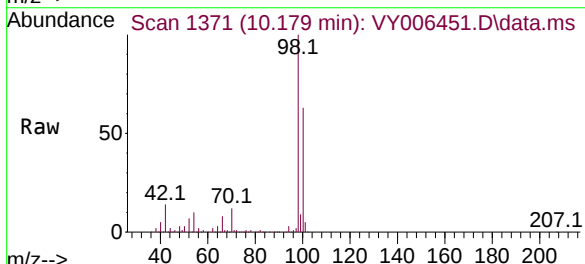
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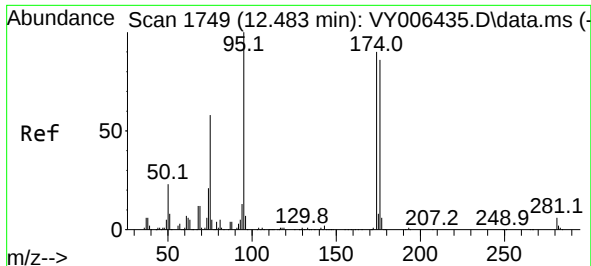
Tgt Ion:117 Resp: 10165
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.531 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion: 98 Resp: 226282
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

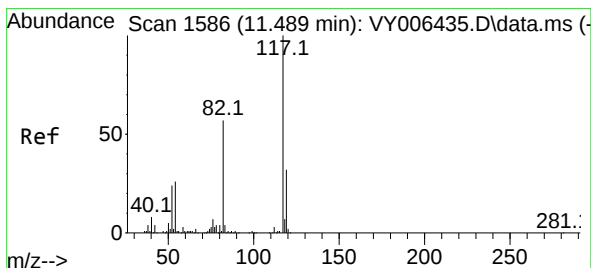
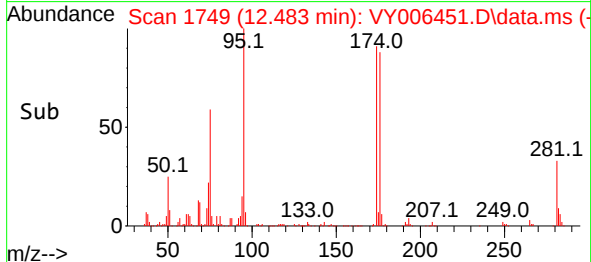
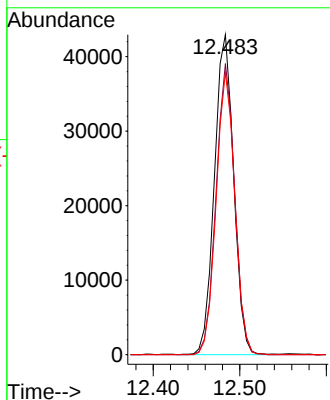
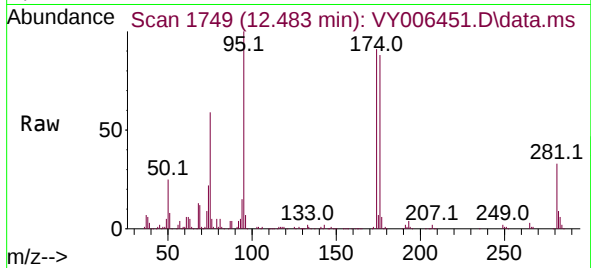




#62
4-Bromofluorobenzene
Concen: 46.727 ug/l
RT: 12.483 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

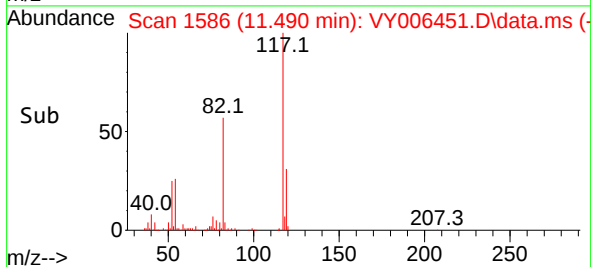
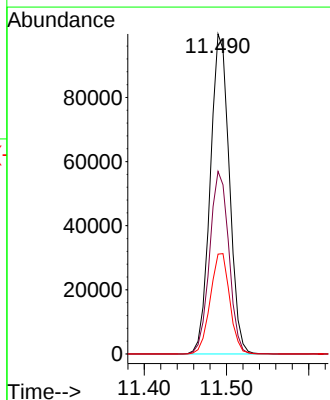
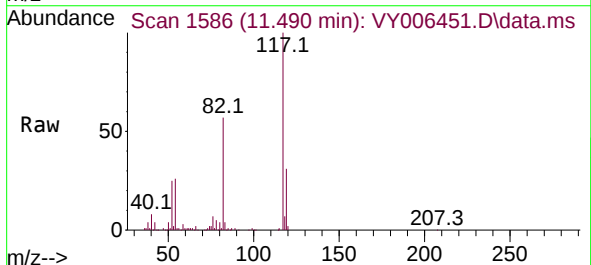
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B

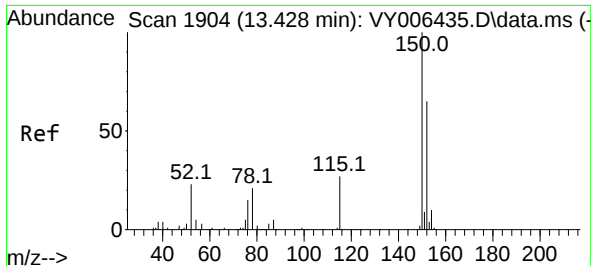
Tgt Ion: 95 Resp: 66536
Ion Ratio Lower Upper
95 100
174 87.9 0.0 177.0
176 85.3 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Tgt Ion: 117 Resp: 160644
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 31.2 25.5 38.3

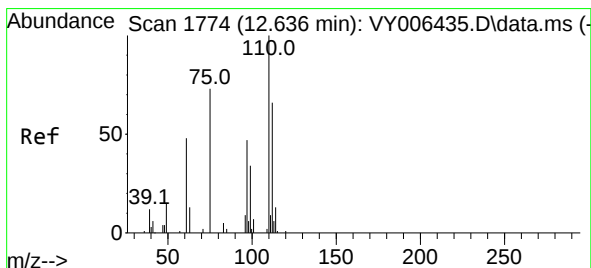
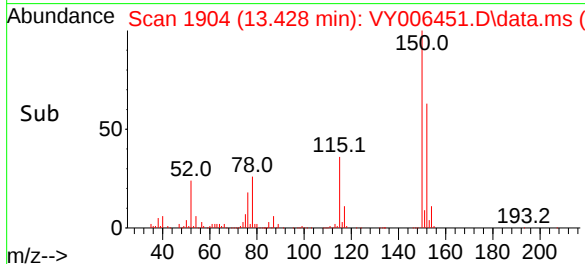
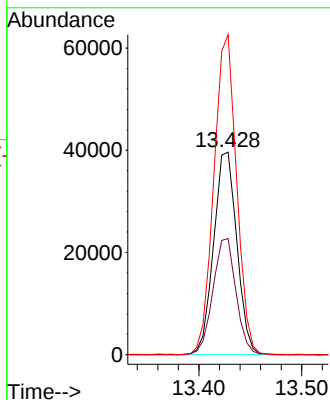
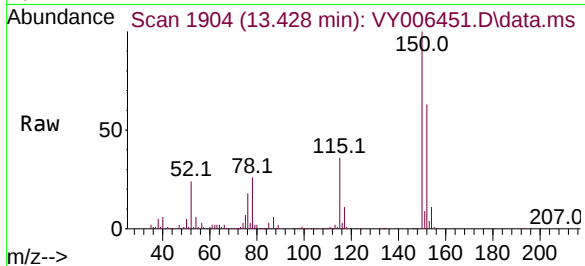




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006451.D
 Acq: 22 Oct 2021 19:56

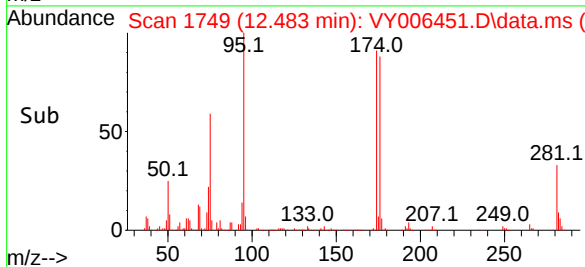
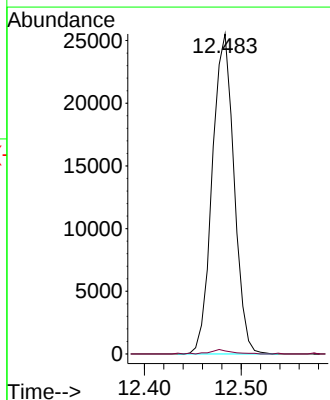
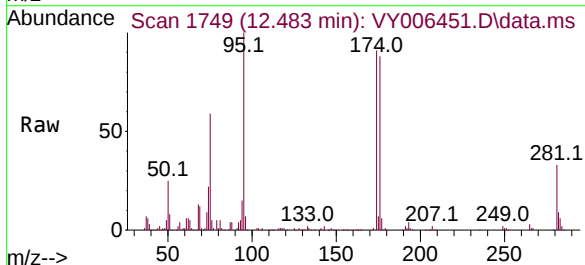
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-02-007-B

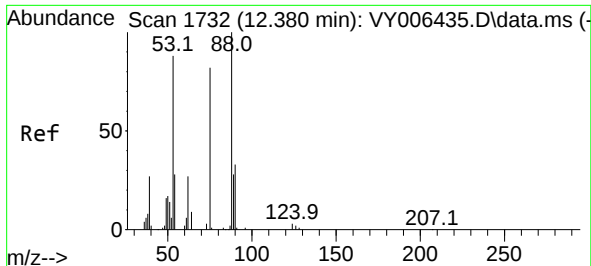
Tgt Ion:152 Resp: 62184
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.5 85.5
 150 154.3 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 62.142 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006451.D
 Acq: 22 Oct 2021 19:56

Tgt Ion: 75 Resp: 39820
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

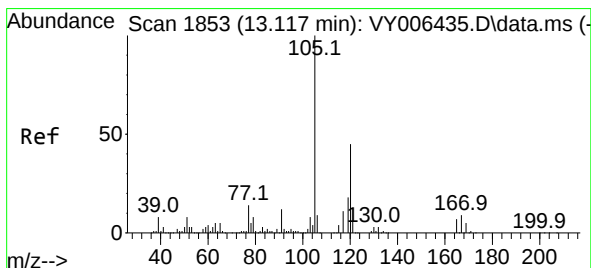
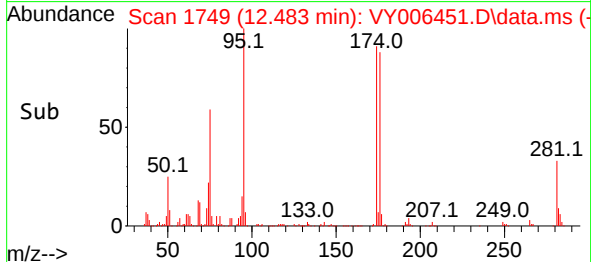
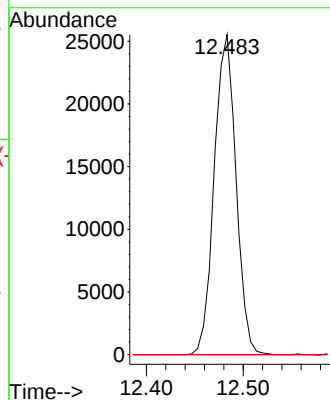
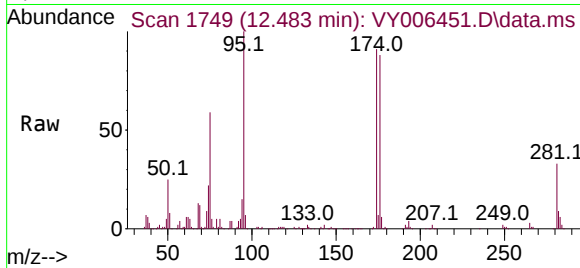




#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.575 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006451.D
 Acq: 22 Oct 2021 19:56

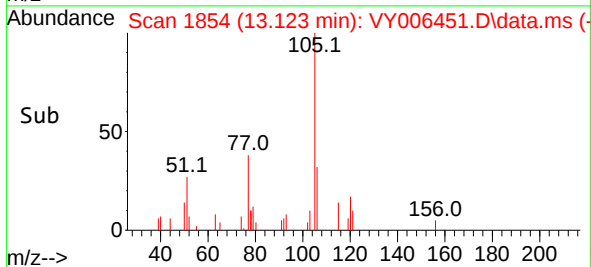
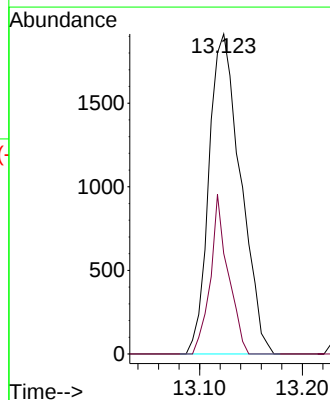
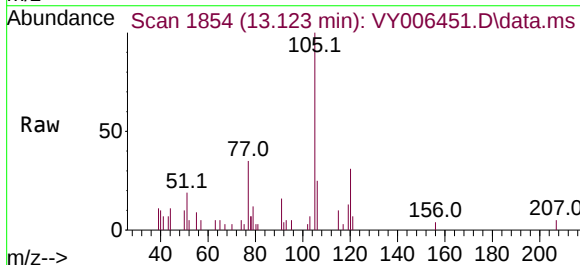
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-SF-02-007-B

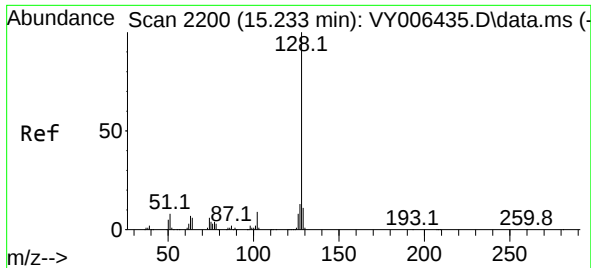
Tgt Ion: 75 Resp: 39820
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.124 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY006451.D
 Acq: 22 Oct 2021 19:56

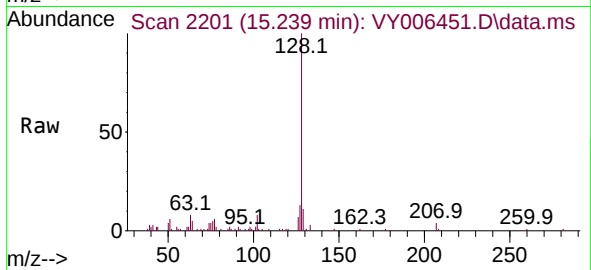
Tgt Ion: 105 Resp: 4093
 Ion Ratio Lower Upper
 105 100
 120 28.1 22.6 67.8





#95
Naphthalene
Concen: 5.987 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY006451.D
Acq: 22 Oct 2021 19:56

Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-B



Tgt Ion:128 Resp: 13956
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.4
129 12.0 8.9 13.3

