

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102221\
 Data File : VY006450.D
 Acq On : 22 Oct 2021 19:32
 Operator : SY/MD
 Sample : M4324-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 23 07:25:00 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)

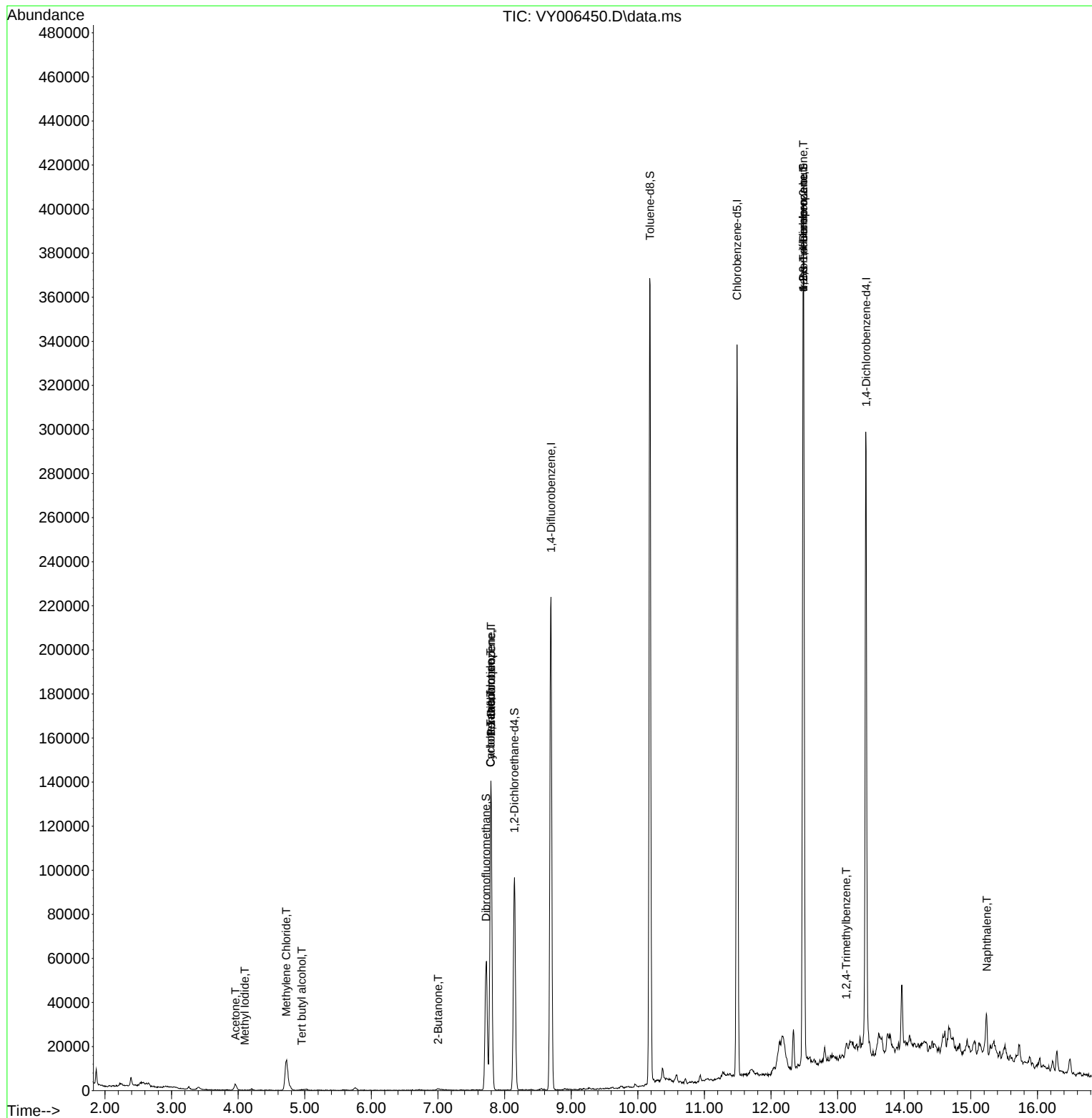
Internal Standards						
1) Pentafluorobenzene	7.795	168	103623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	179655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	165200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78948	61.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.820%	
35) Dibromofluoromethane	7.722	113	38870	38.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.640%	
50) Toluene-d8	10.185	98	232631	54.803	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.600%	
62) 4-Bromofluorobenzene	12.483	95	71103	49.725	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.460%	
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	110	5.157	ug/l #	79
11) Tert butyl alcohol	4.954	59	332	2.866	ug/l #	89
16) Acetone	3.960	43	4612	12.561	ug/l	91
20) Methylene Chloride	4.722	84	9000	4.207	ug/l	97
25) 2-Butanone	7.003	43	622	1.293	ug/l	100
31) Cyclohexane	7.789	56	2434	1.179	ug/l #	16
36) 1,1-Dichloropropene	7.795	75	8629	4.861	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10328	5.274	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	43219	65.033	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43219	133.510	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.130	105	4056	1.074	ug/l	80
95) Naphthalene	15.239	128	11845	4.899	ug/l #	93

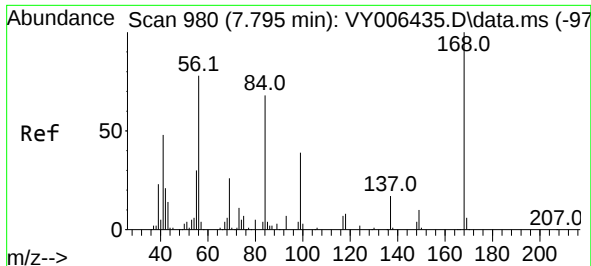
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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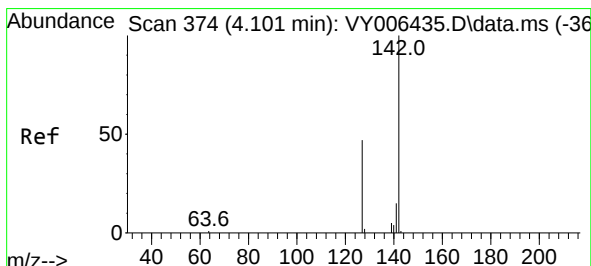
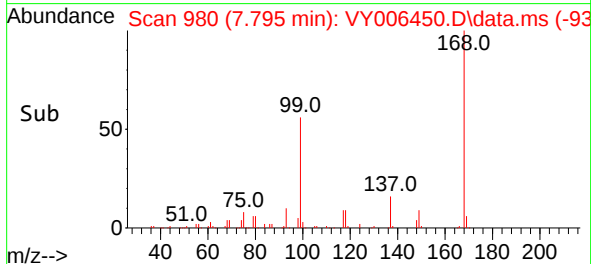
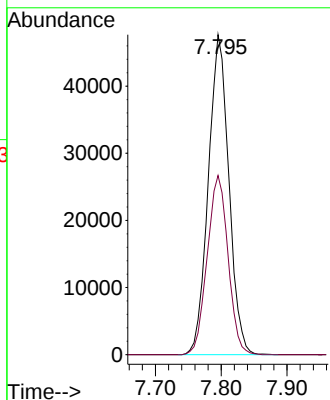
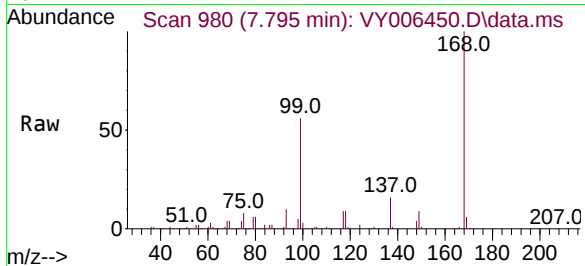




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

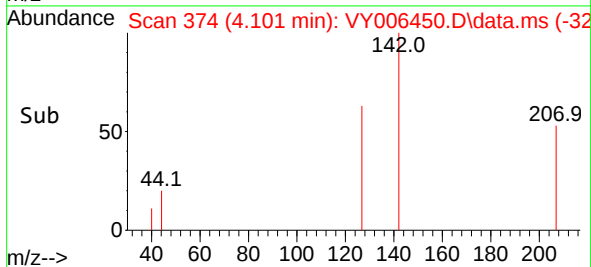
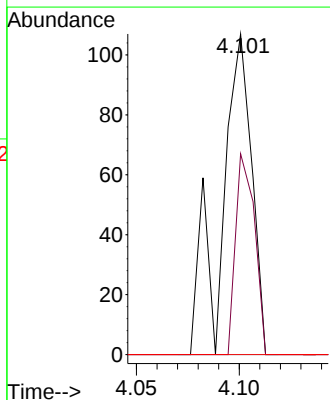
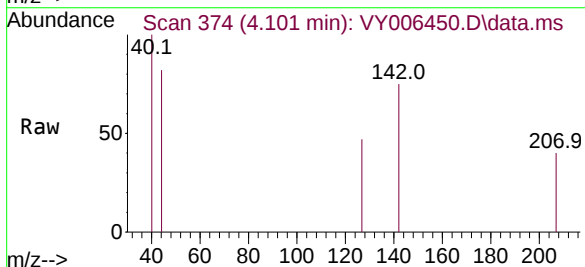
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-A

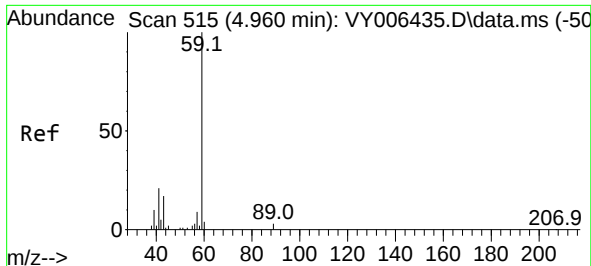
Tgt Ion:168 Resp: 103623
Ion Ratio Lower Upper
168 100
99 56.0 44.8 67.2



#10
Methyl Iodide
Concen: 5.157 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 39.1 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 2.866 ug/l

RT: 4.954 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

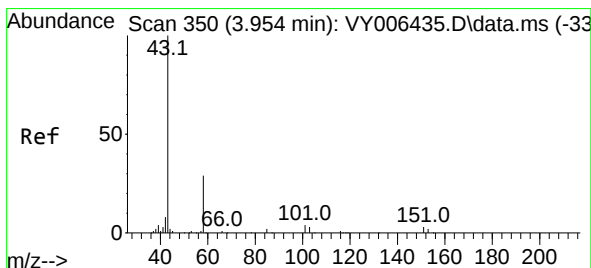
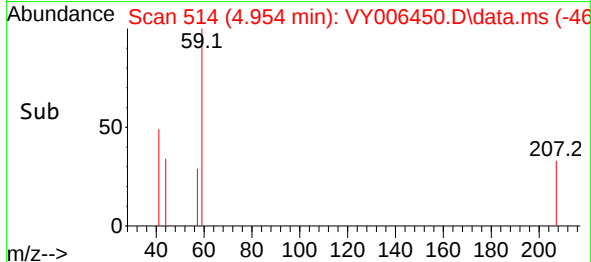
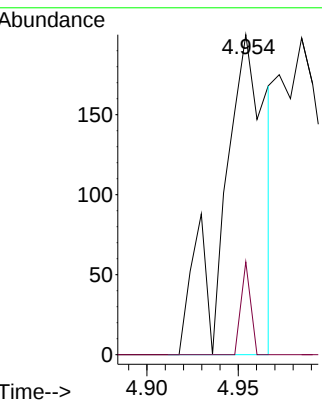
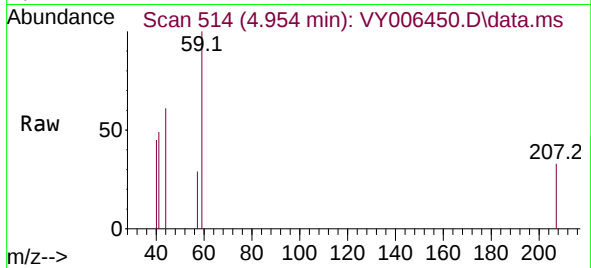
FK-SF-02-007-A

Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 6.3 8.2 12.4#



#16

Acetone

Concen: 12.561 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006450.D

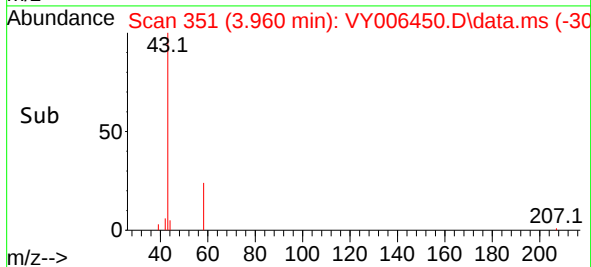
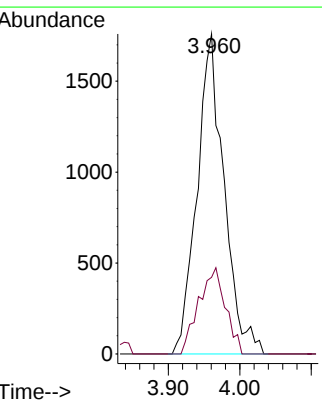
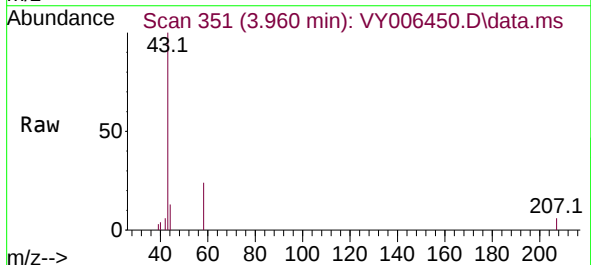
Acq: 22 Oct 2021 19:32

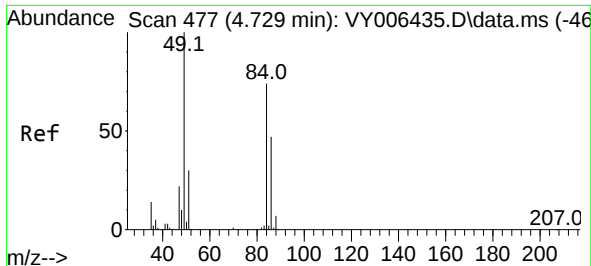
Tgt Ion: 43 Resp: 4612

Ion Ratio Lower Upper

43 100

58 23.9 22.9 34.3

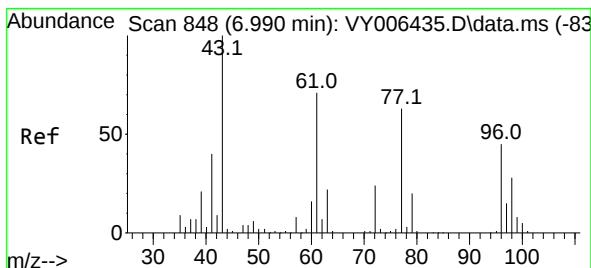
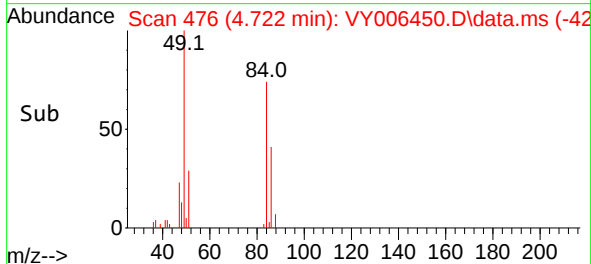
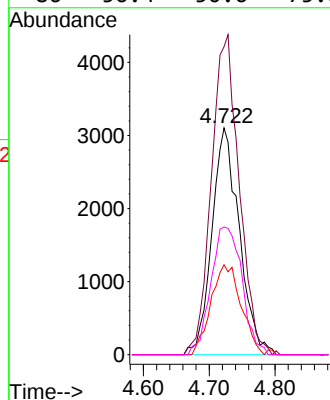
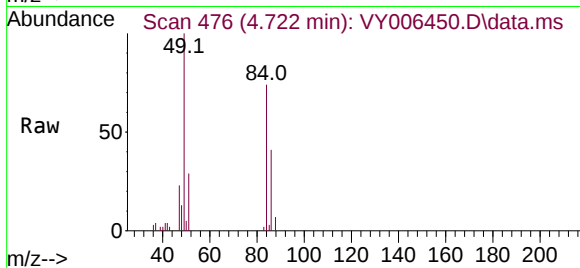




#20
Methylene Chloride
Concen: 4.207 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

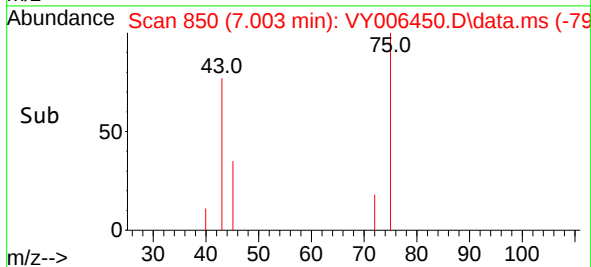
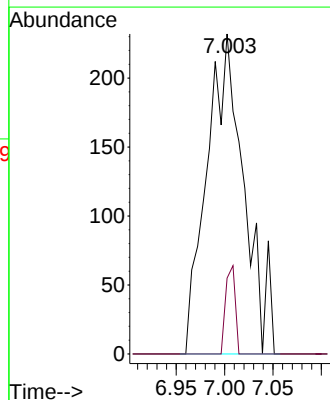
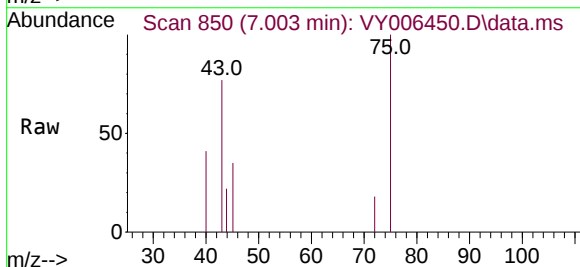
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-A

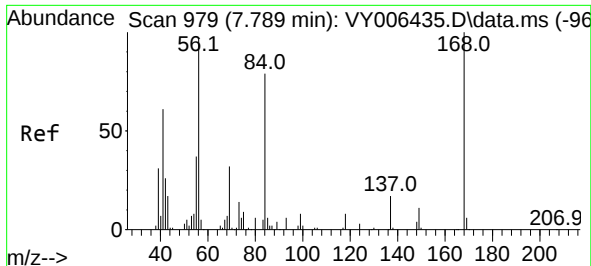
Tgt Ion:	84	Resp:	9000
Ion	Ratio	Lower	Upper
84	100		
49	135.8	107.8	161.8
51	39.7	32.8	49.2
86	56.4	50.6	75.8



#25
2-Butanone
Concen: 1.293 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion:	43	Resp:	622
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.9	28.3

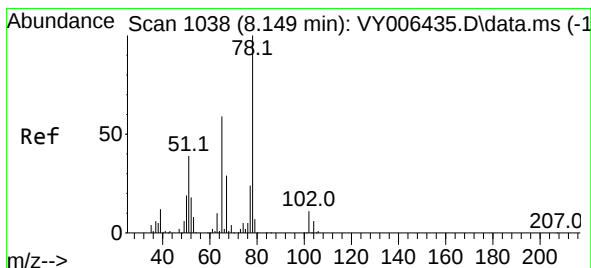
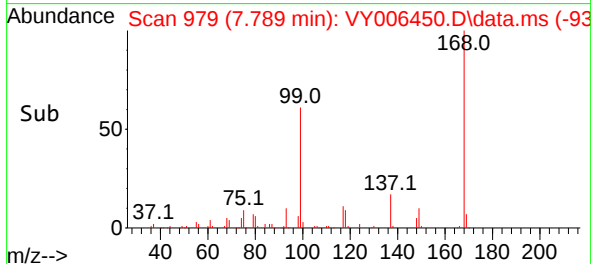
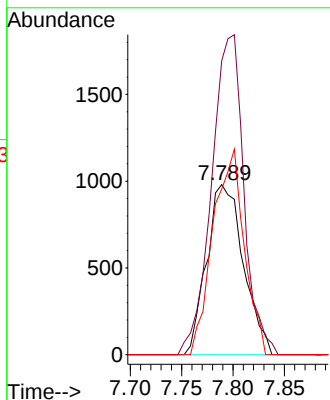
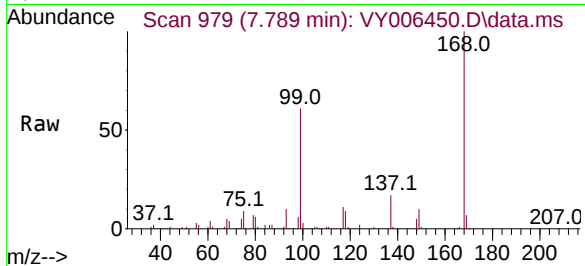




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

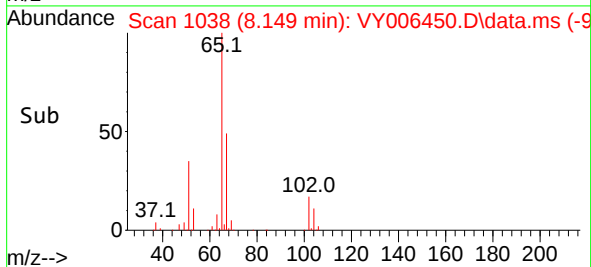
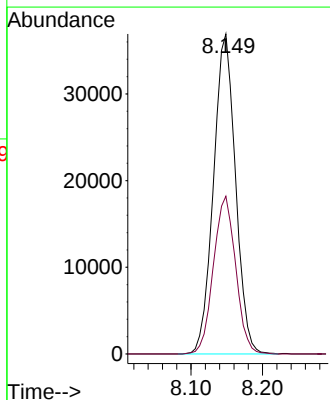
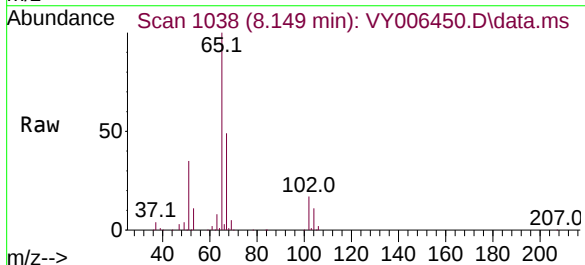
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-A

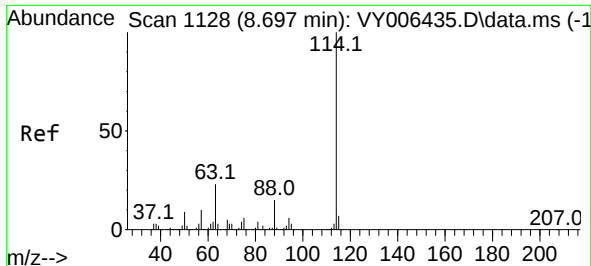
Tgt Ion: 56 Resp: 2434
Ion Ratio Lower Upper
56 100
69 172.9 26.6 40.0#
84 97.3 65.0 97.4



#33
1,2-Dichloroethane-d4
Concen: 61.913 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion: 65 Resp: 78948
Ion Ratio Lower Upper
65 100
67 49.8 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: VY006450.D

Acq: 22 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-02-007-A

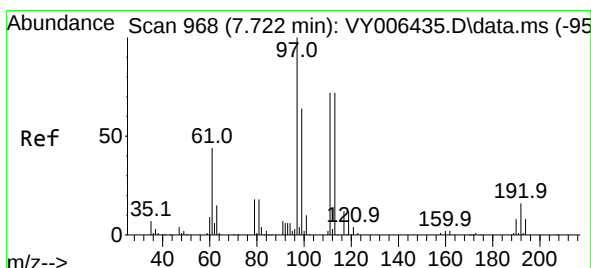
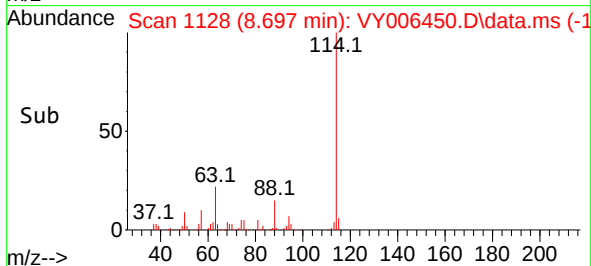
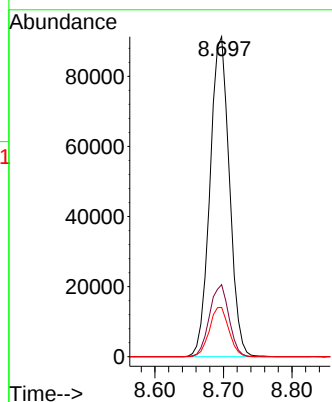
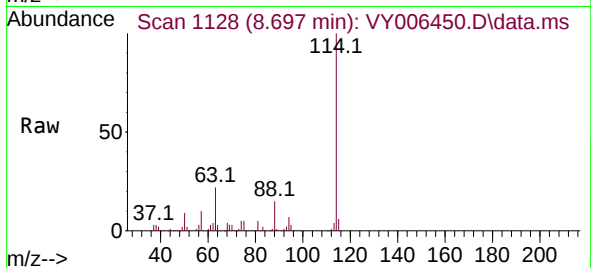
Tgt Ion:114 Resp: 179655

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 38.818 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

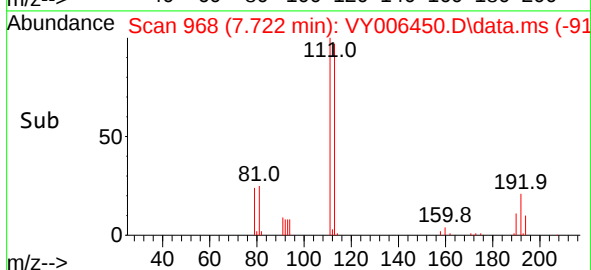
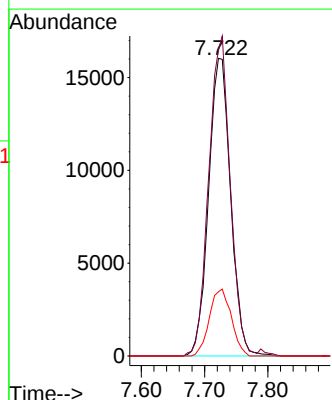
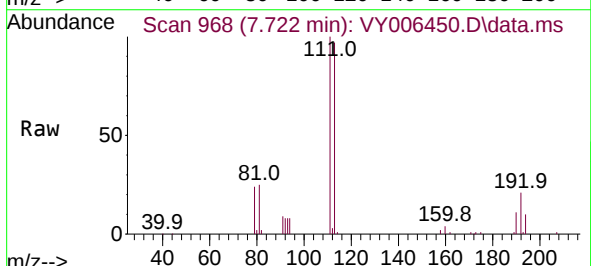
Tgt Ion:113 Resp: 38870

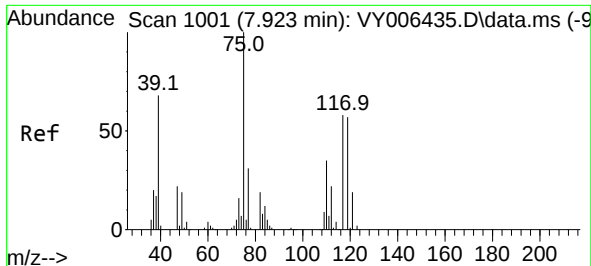
Ion Ratio Lower Upper

113 100

111 104.6 82.3 123.5

192 22.3 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.861 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

FK-SF-02-007-A

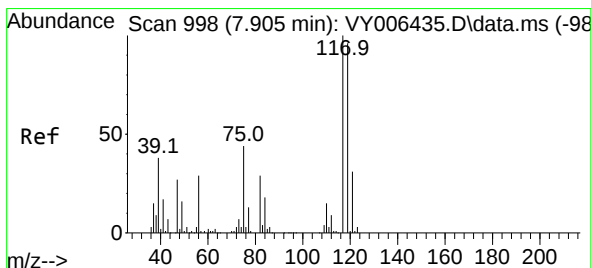
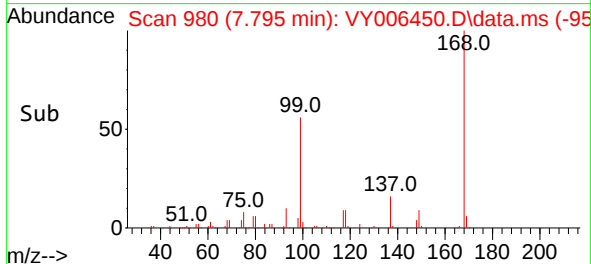
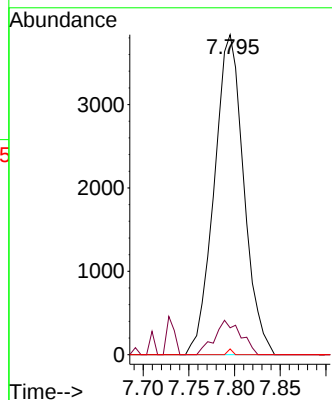
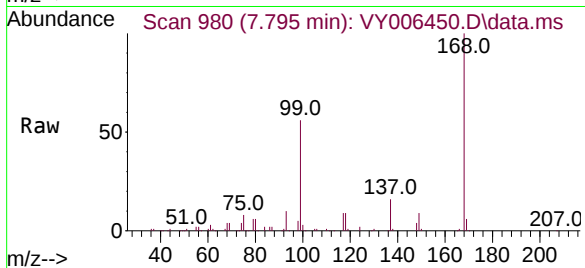
Tgt Ion: 75 Resp: 8629

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.3#

77 0.3 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.274 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

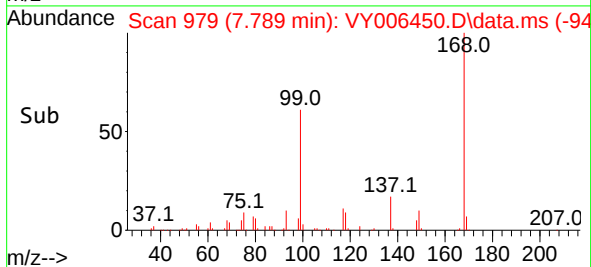
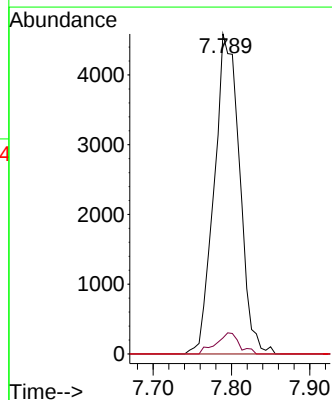
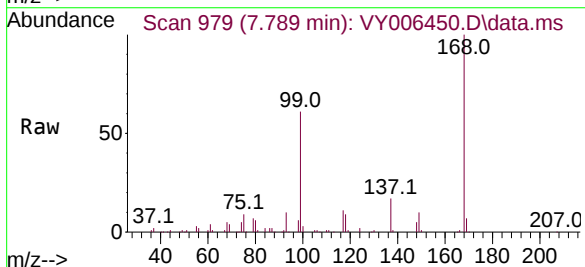
Tgt Ion: 117 Resp: 10328

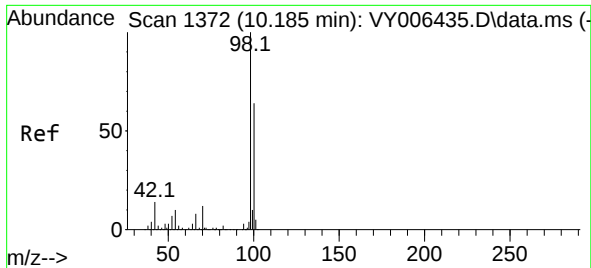
Ion Ratio Lower Upper

117 100

119 5.0 76.6 115.0#

121 0.0 24.7 37.1#

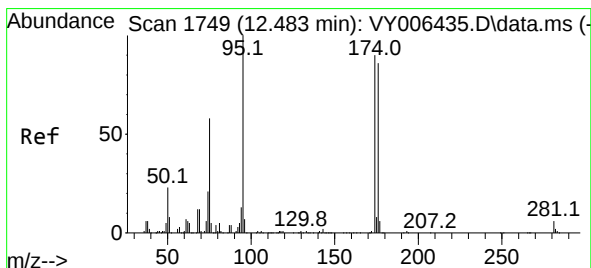
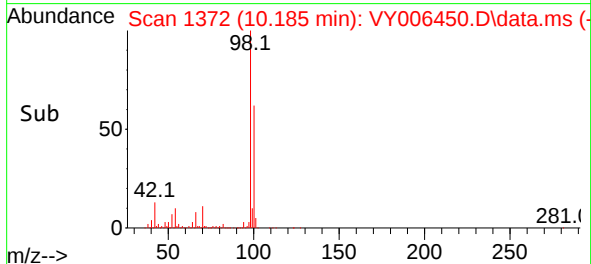
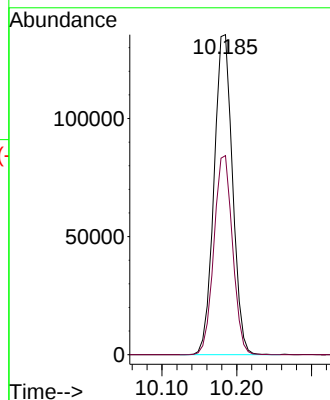
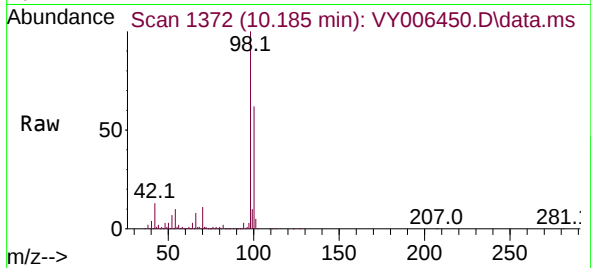




#50
Toluene-d8
Concen: 54.803 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

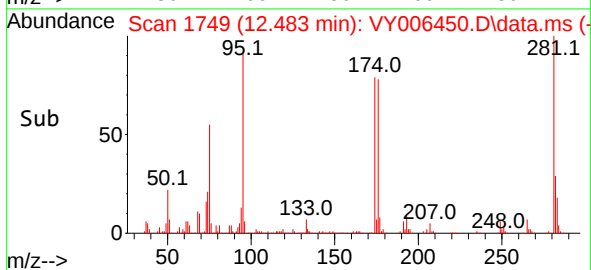
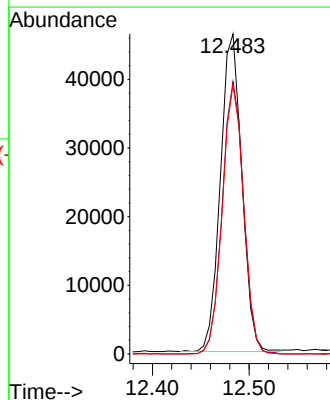
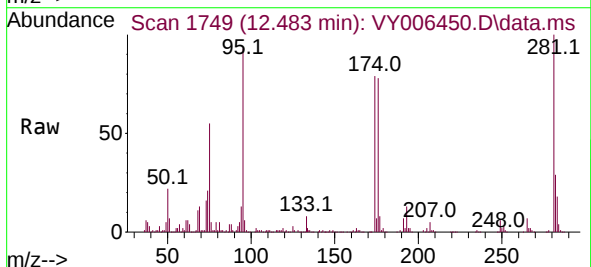
Instrument :
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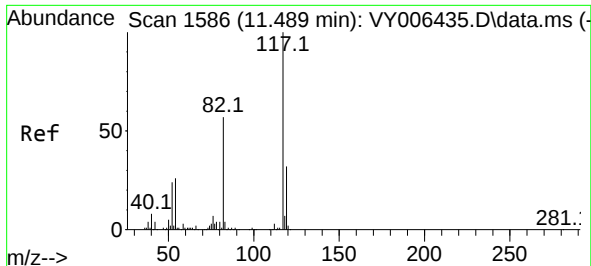
Tgt Ion: 98 Resp: 232631
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.725 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion: 95 Resp: 71103
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 84.1 0.0 169.4

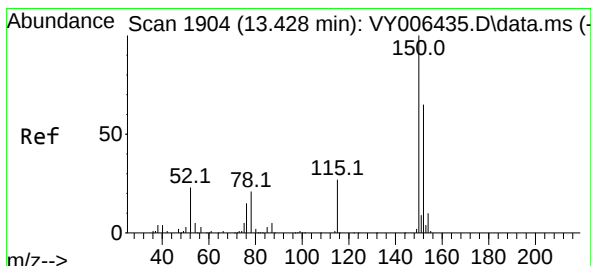
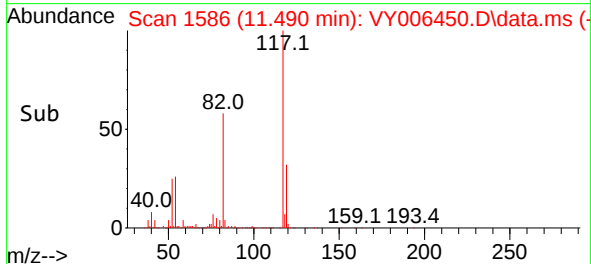
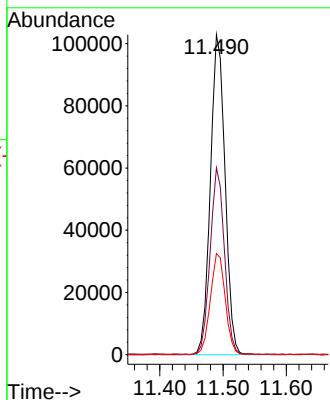
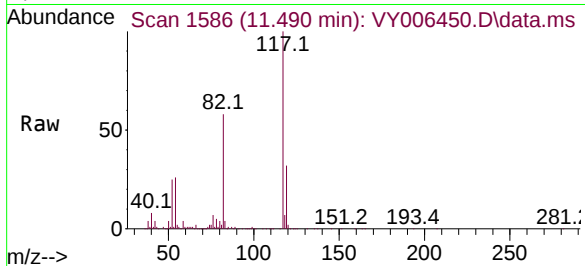




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

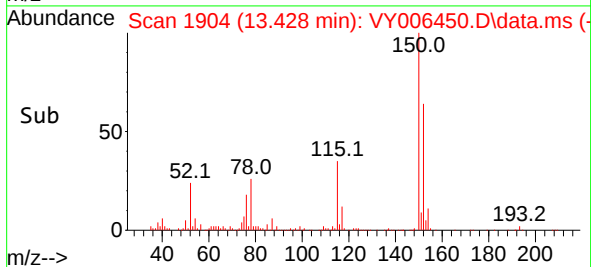
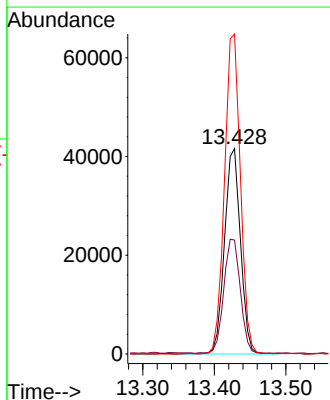
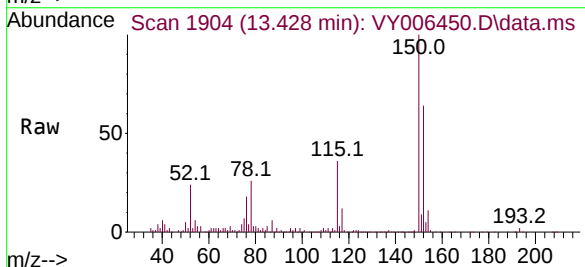
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-A

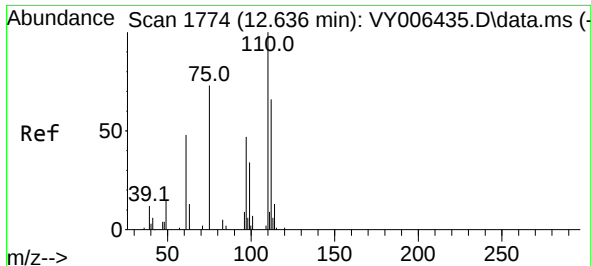
Tgt Ion:117 Resp: 165200
Ion Ratio Lower Upper
117 100
82 58.3 45.7 68.5
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion:152 Resp: 64492
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.5
150 155.2 0.0 348.2

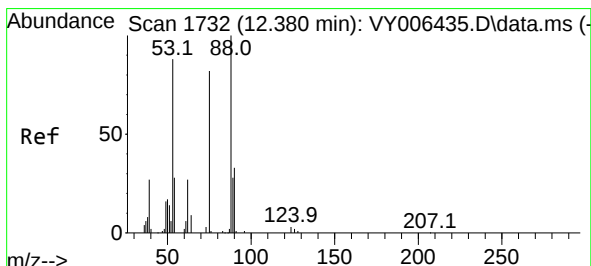
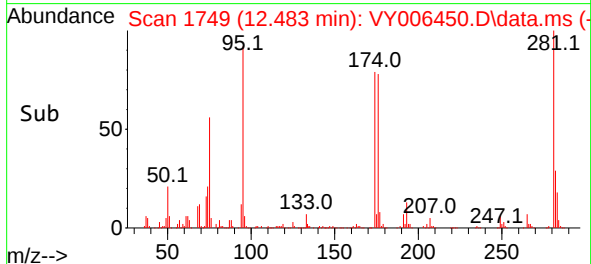
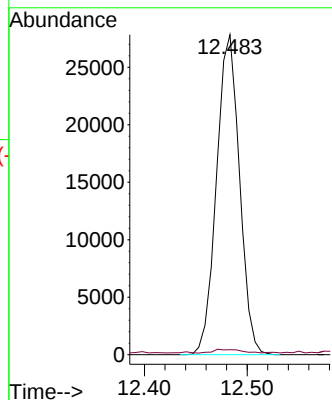
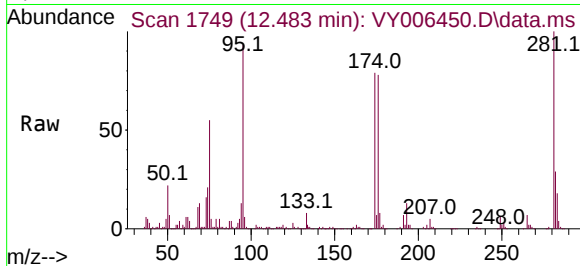




#76
1,2,3-Trichloropropane
Concen: 65.033 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

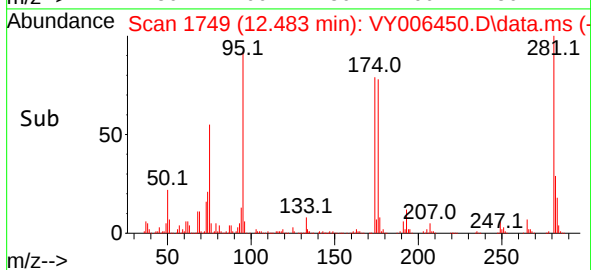
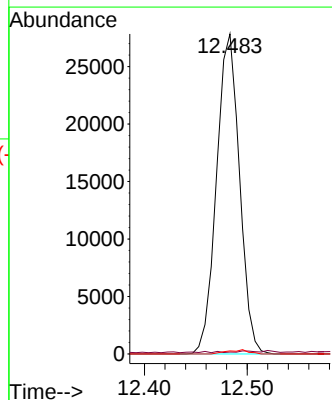
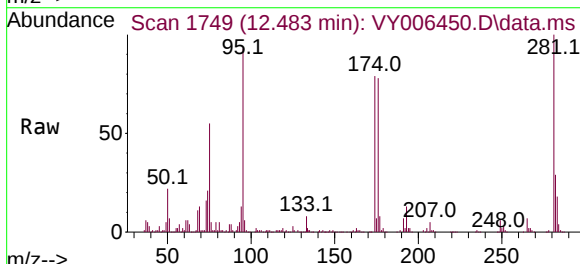
Instrument :
MSVOA_Y
ClientSampleId :
FK-SF-02-007-A

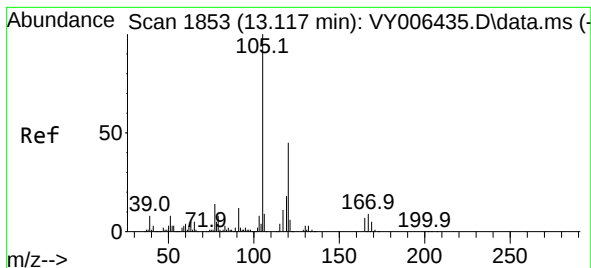
Tgt Ion: 75 Resp: 43219
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.510 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006450.D
Acq: 22 Oct 2021 19:32

Tgt Ion: 75 Resp: 43219
Ion Ratio Lower Upper
75 100
53 0.4 85.8 128.6#
89 1.2 39.3 58.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.074 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

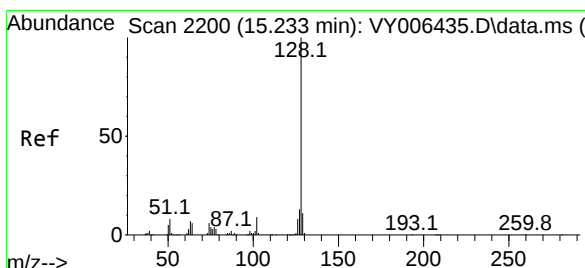
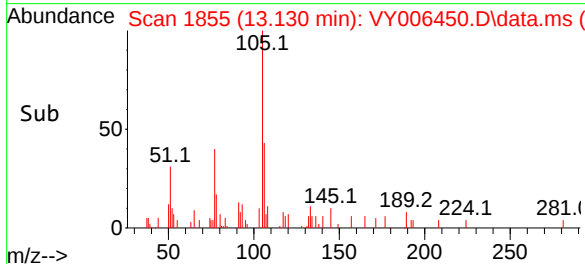
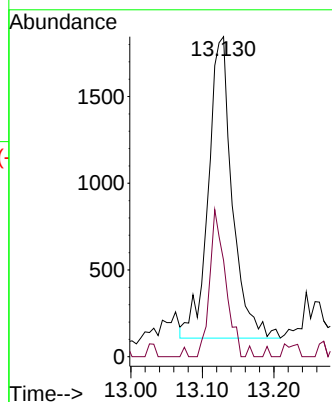
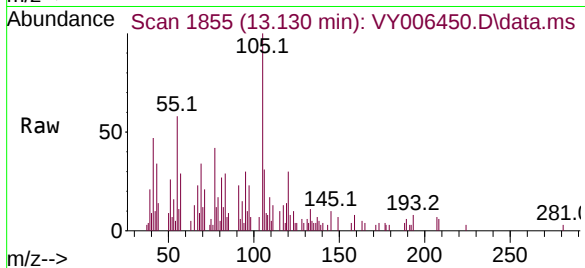
FK-SF-02-007-A

Tgt Ion:105 Resp: 4056

Ion Ratio Lower Upper

105 100

120 31.9 22.6 67.8



#95

Naphthalene

Concen: 4.899 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY006450.D

Acq: 22 Oct 2021 19:32

Tgt Ion:128 Resp: 11845

Ion Ratio Lower Upper

128 100

127 17.2 11.0 16.4#

129 13.4 8.9 13.3#

