

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004908.D
 Acq On : 27 May 2021 18:44
 Operator : SY/MD
 Sample : M2539-02
 Misc : 5.83G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-PS-01-073

Quant Time: May 28 01:06:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

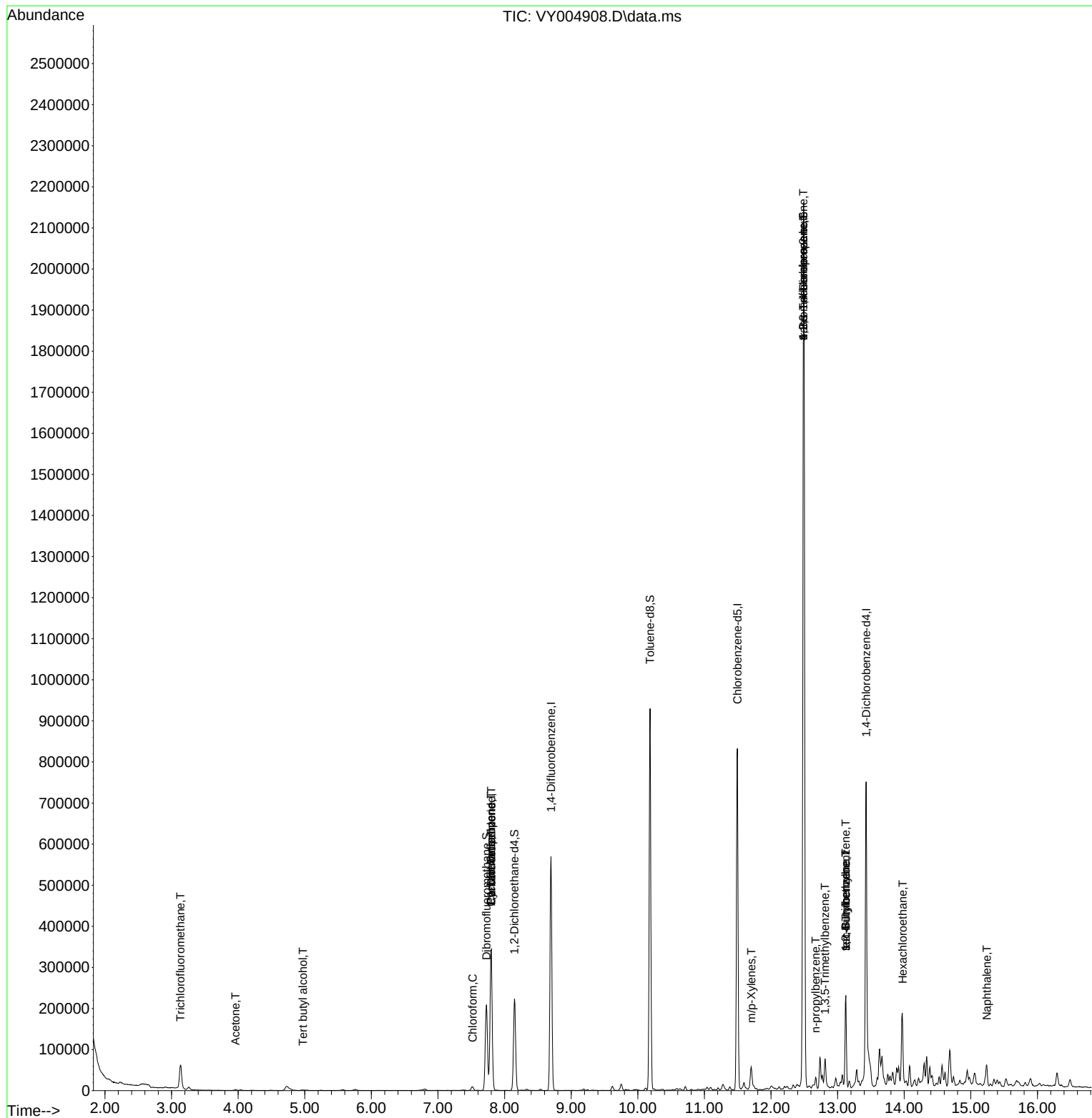
Internal Standards						
1) Pentafluorobenzene	7.801	168	264587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	478506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	453037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	173534	55.10	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 110.20%		
35) Dibromofluoromethane	7.728	113	149102	56.92	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 113.84%		
50) Toluene-d8	10.184	98	595584	50.33	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 100.66%		
62) 4-Bromofluorobenzene	12.483	95	203424	50.93	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 101.86%		
Target Compounds						
						Qvalue
7) Trichlorofluoromethane	3.131	101	60846	12.76	ug/l	95
11) Tert butyl alcohol	4.972	59	2976	9.40	ug/l #	85
16) Acetone	3.960	43	3286	4.65	ug/l	91
20) Methylene Chloride	4.722	84	7029	Below Cal	#	75
30) Chloroform	7.520	83	9125	1.67	ug/l	96
31) Cyclohexane	7.795	56	5604	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	20054	4.09	ug/l #	51
38) Carbon Tetrachloride	7.801	117	26050	5.91	ug/l #	17
68) m/p-Xylenes	11.703	106	15759	2.42	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	120531	62.71	ug/l #	100
78) n-propylbenzene	12.672	91	19801	1.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	26502	2.34	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	120531	108.73	ug/l #	15
83) tert-Butylbenzene	13.123	119	14089	1.46	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.123	105	116474	10.26	ug/l	99
85) sec-Butylbenzene	13.123	105	116474	8.28	ug/l #	57
90) Hexachloroethane	13.976	117	4088	2.38	ug/l #	14
95) Naphthalene	15.238	128	35944	4.83	ug/l	96

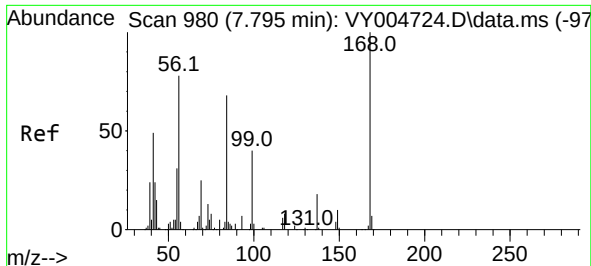
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

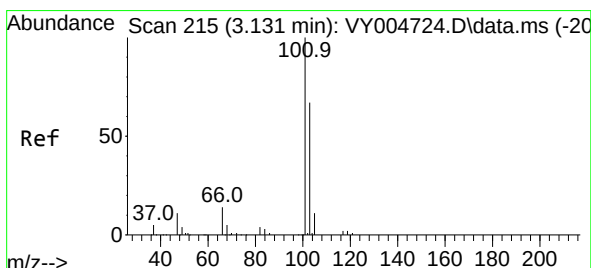
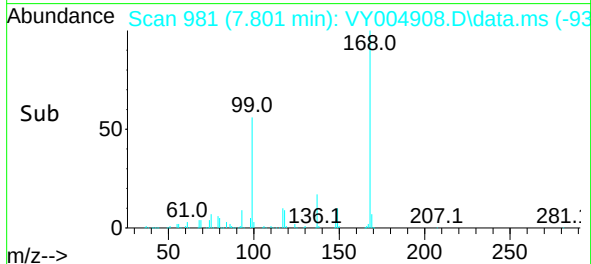
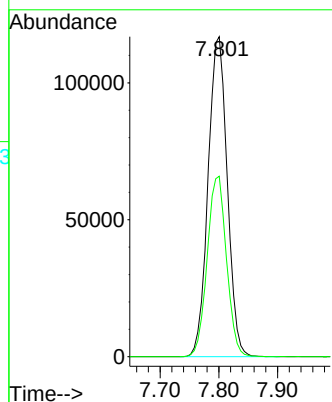
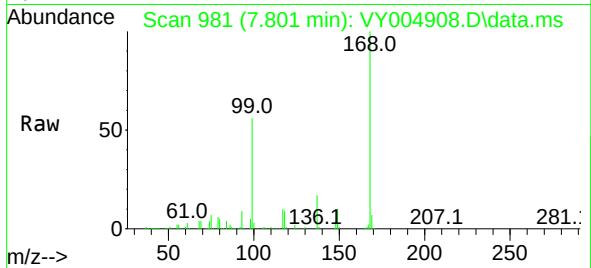




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

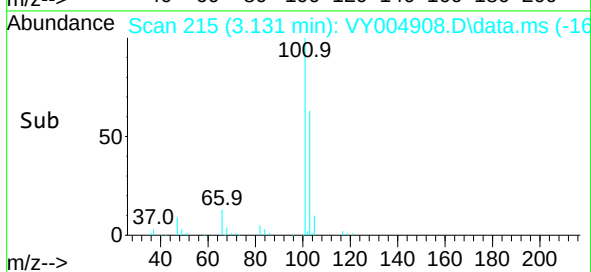
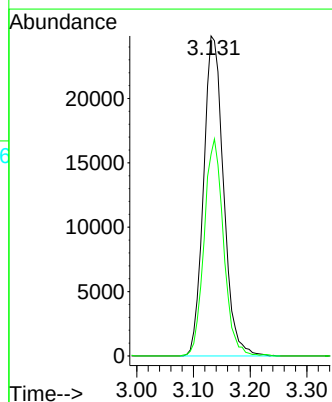
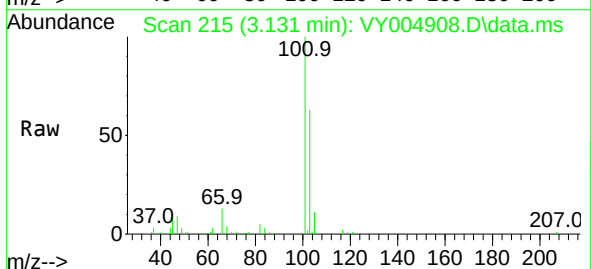
Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

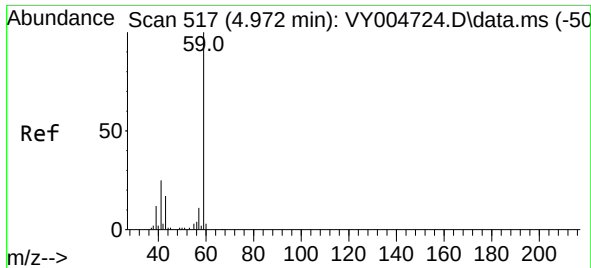
Tgt Ion:168 Resp: 264587
Ion Ratio Lower Upper
168 100
99 56.4 45.6 68.4



#7
Trichlorofluoromethane
Concen: 12.76 ug/l
RT: 3.131 min Scan# 215
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion:101 Resp: 60846
Ion Ratio Lower Upper
101 100
103 63.1 53.4 80.2



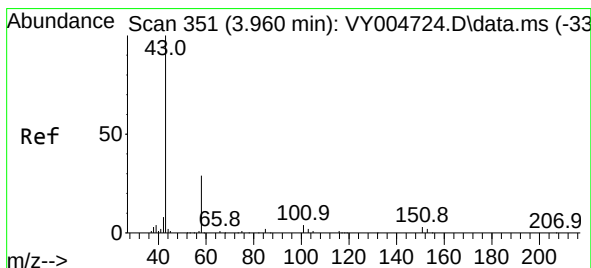
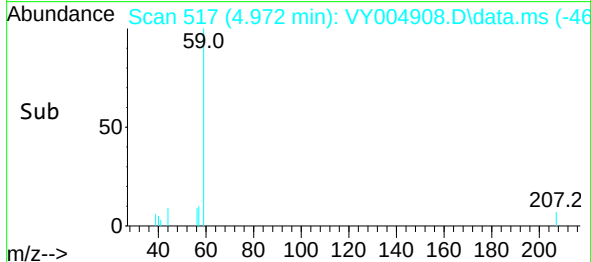
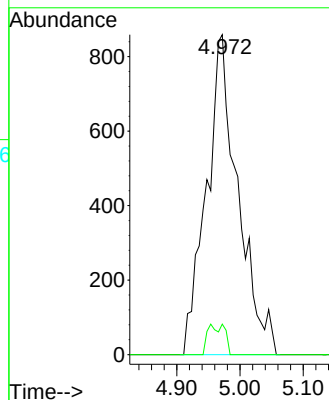
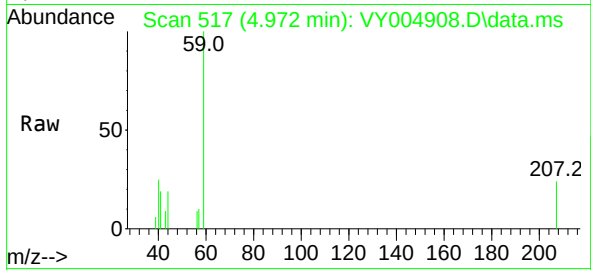


#11

Tert butyl alcohol
Concen: 9.40 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

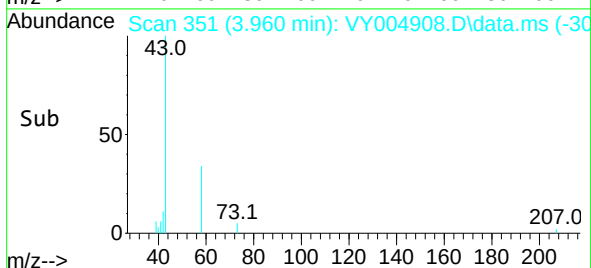
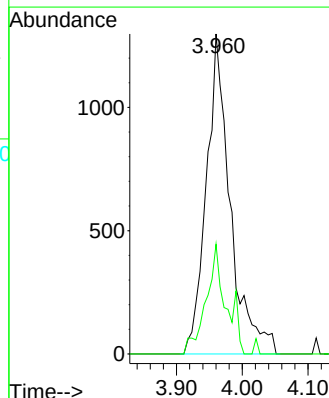
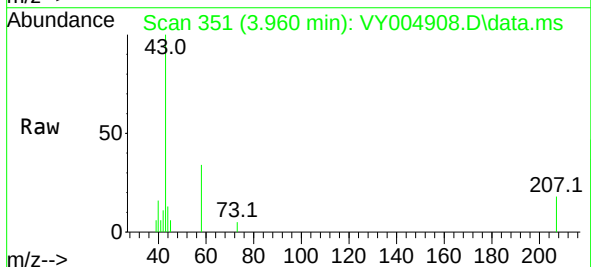
Tgt Ion: 59 Resp: 2976
Ion Ratio Lower Upper
59 100
57 5.1 8.7 13.1#

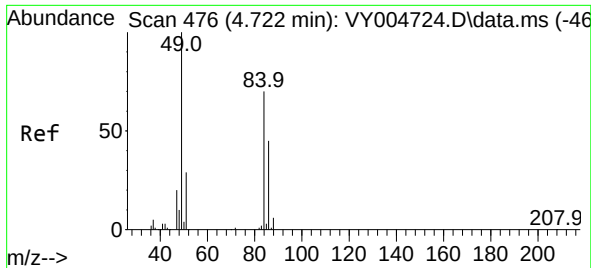


#16

Acetone
Concen: 4.65 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
58 34.3 23.6 35.4

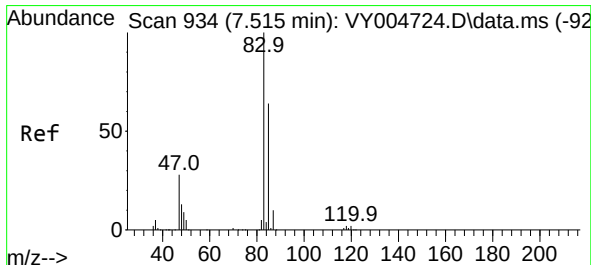
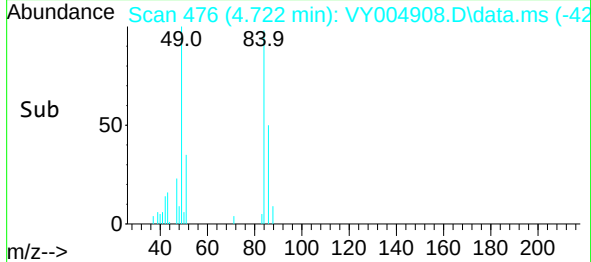
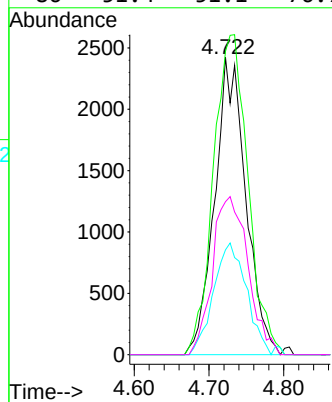
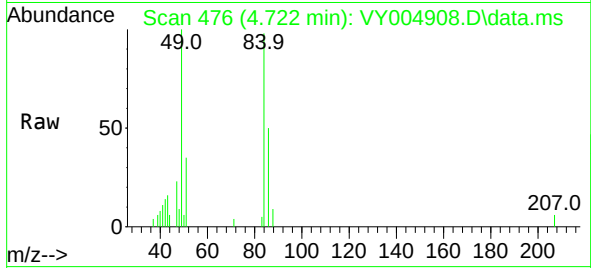




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

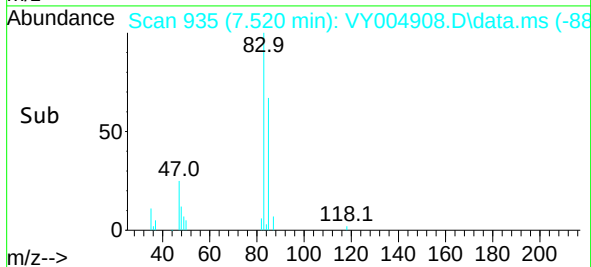
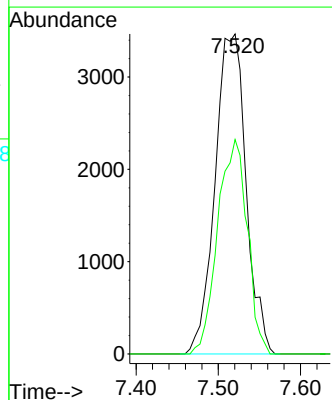
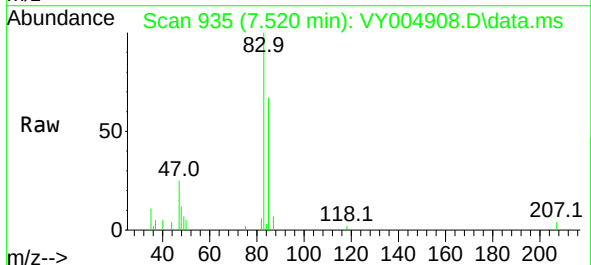
Instrument :
MSVOA_Y
ClientSampled :
FK-PS-01-073

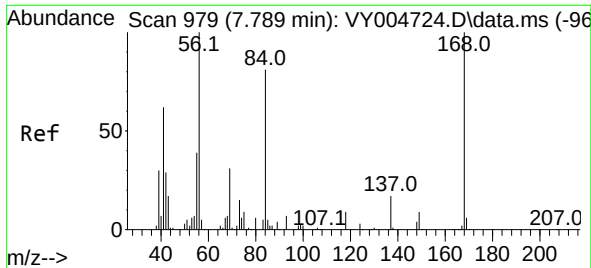
Tgt Ion: 84 Resp: 7029
Ion Ratio Lower Upper
84 100
49 102.0 113.8 170.8#
51 35.2 33.5 50.3
86 51.4 51.1 76.7



#30
Chloroform
Concen: 1.67 ug/l
RT: 7.520 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

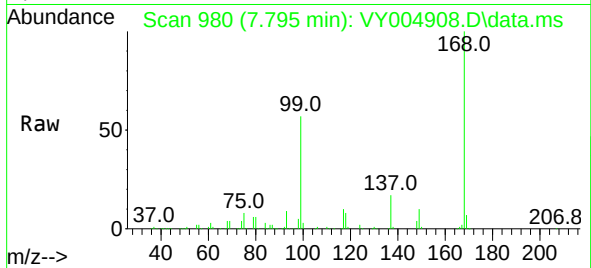
Tgt Ion: 83 Resp: 9125
Ion Ratio Lower Upper
83 100
85 67.0 51.3 76.9



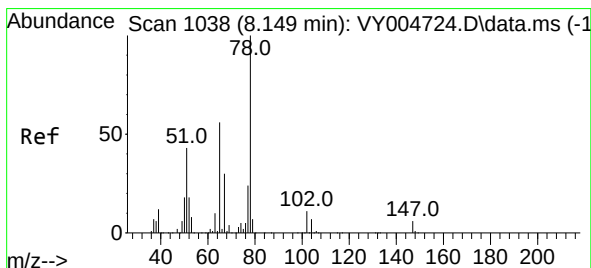
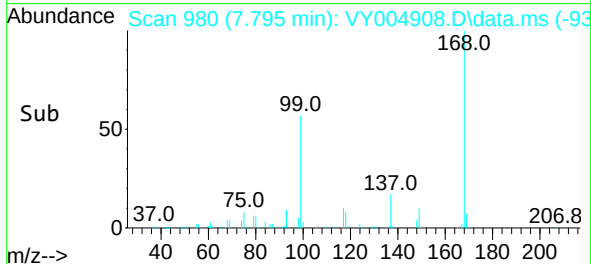
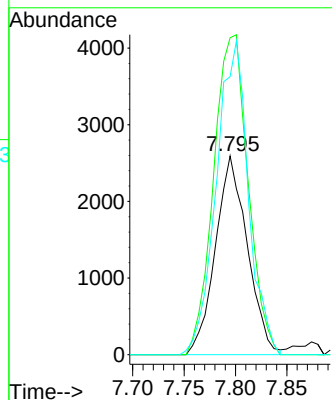


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

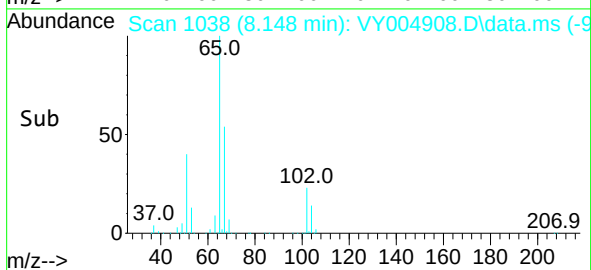
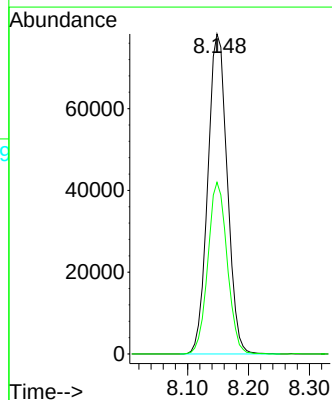
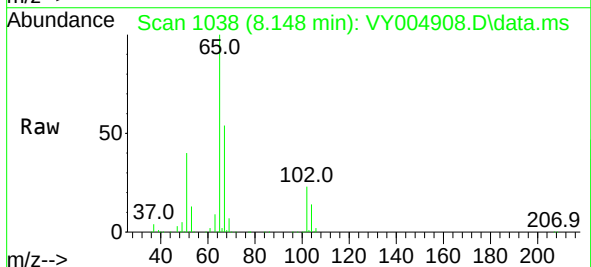


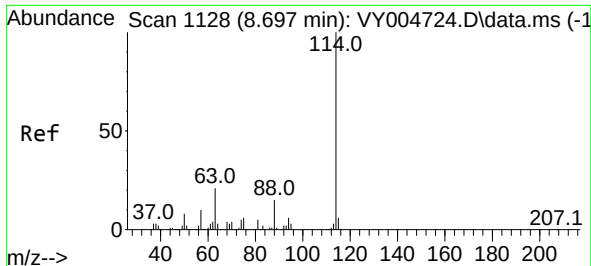
Tgt Ion: 56 Resp: 5604
Ion Ratio Lower Upper
56 100
69 159.5 24.4 36.6#
84 145.0 64.8 97.2#



#33
1,2-Dichloroethane-d4
Concen: 55.10 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

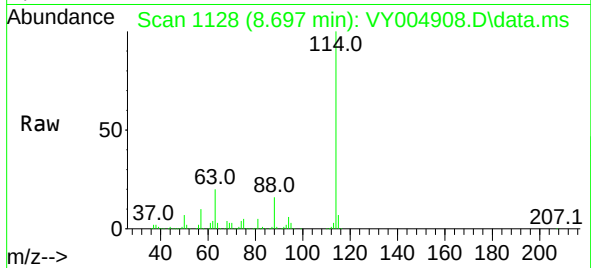
Tgt Ion: 65 Resp: 173534
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.0



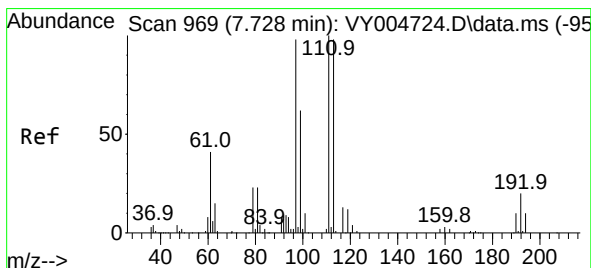
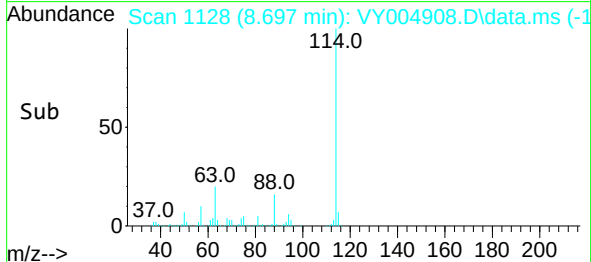
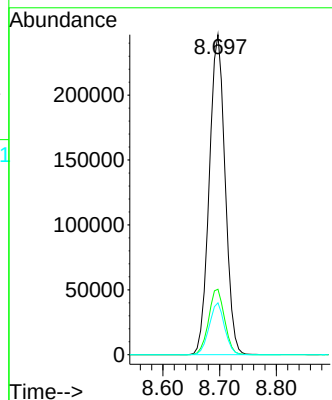


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Instrument :
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ClientSampleId :
FK-PS-01-073

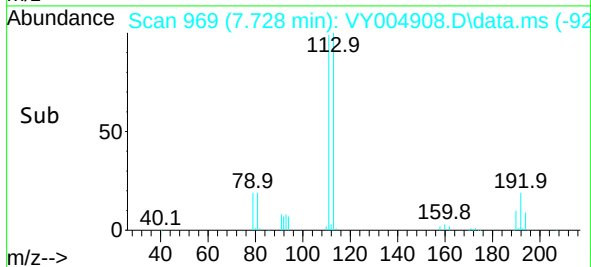
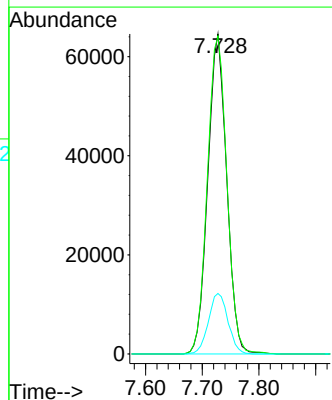
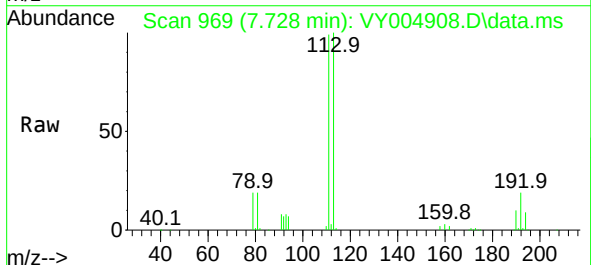


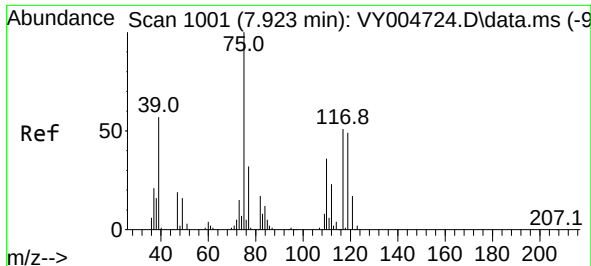
Tgt Ion:114 Resp: 478506
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.8
88 16.2 0.0 31.0



#35
Dibromofluoromethane
Concen: 56.92 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion:113 Resp: 149102
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 19.6 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.09 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY004908.D

Acq: 27 May 2021 18:44

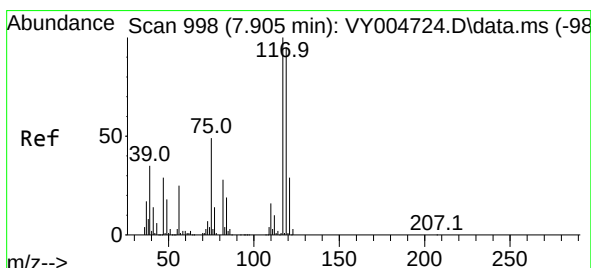
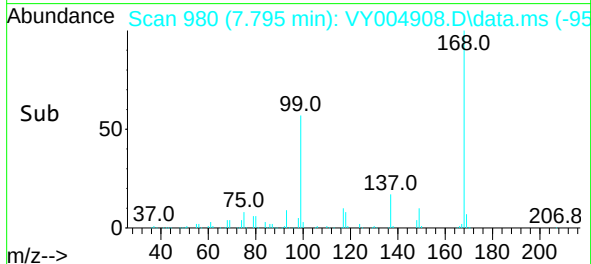
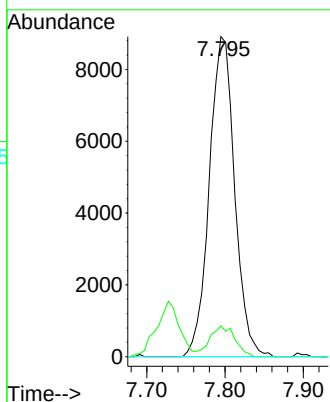
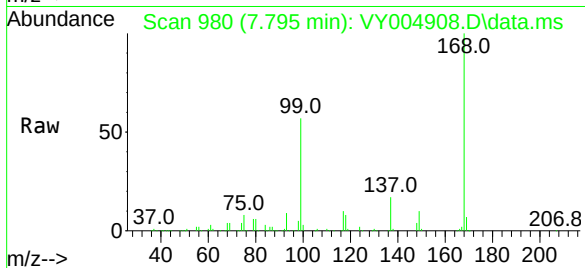
Instrument :

MSVOA_Y

ClientSampleId :

FK-PS-01-073

Tgt Ion:	75	Resp:	20054
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.91 ug/l

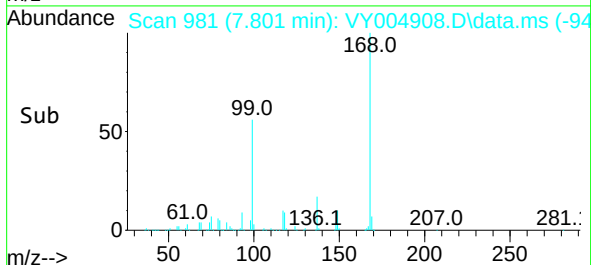
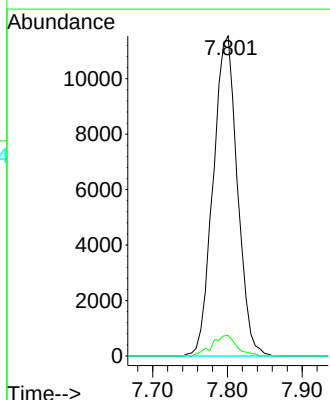
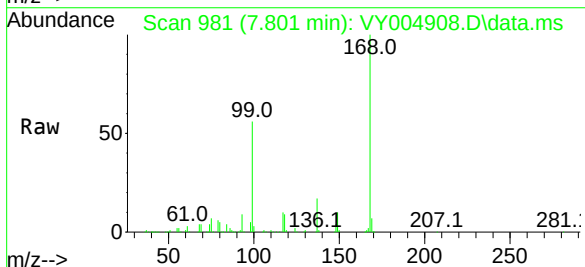
RT: 7.801 min Scan# 981

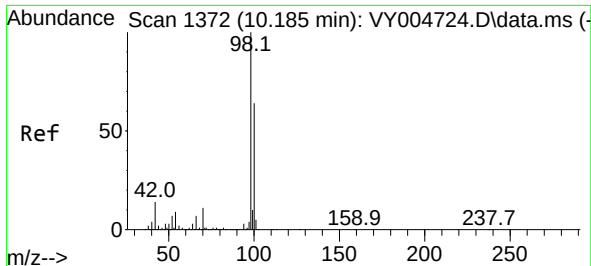
Delta R.T. -0.104 min

Lab File: VY004908.D

Acq: 27 May 2021 18:44

Tgt Ion:	117	Resp:	26050
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.3	114.5#
121	0.0	23.0	34.6#

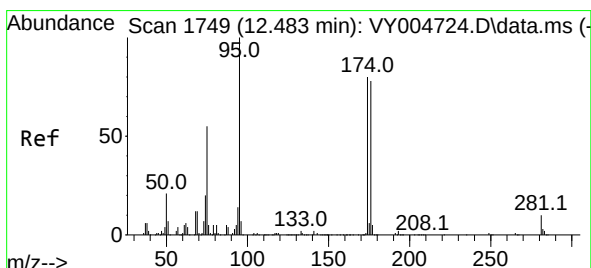
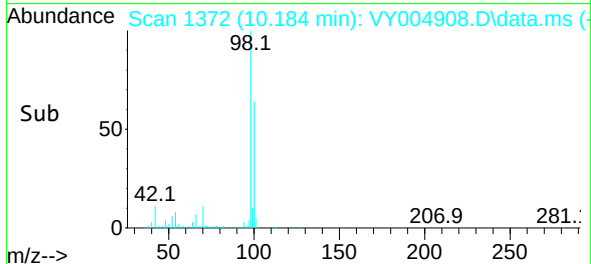
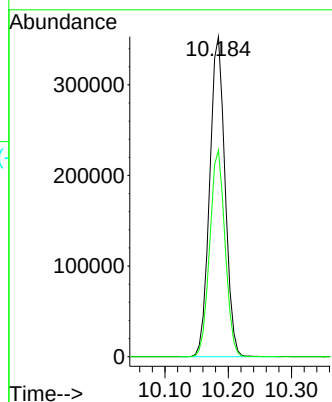
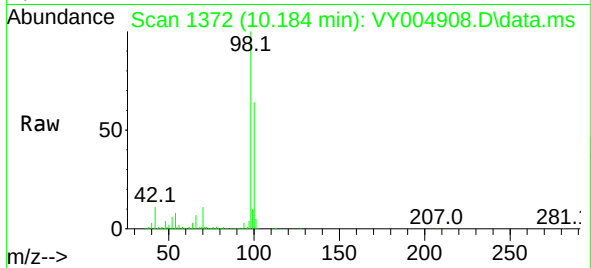




#50
Toluene-d8
Concen: 50.33 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

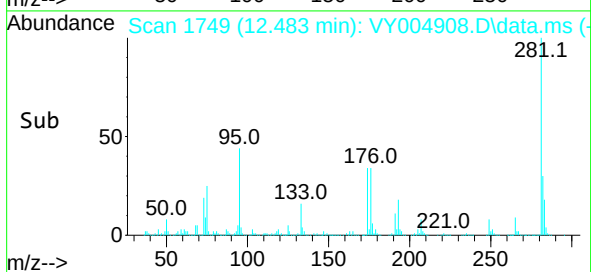
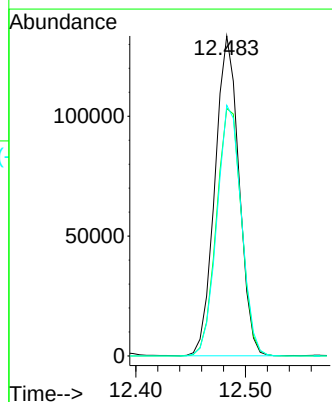
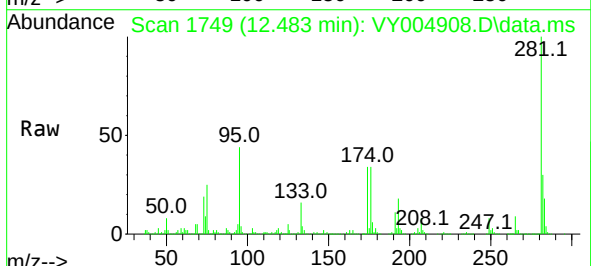
Instrument :
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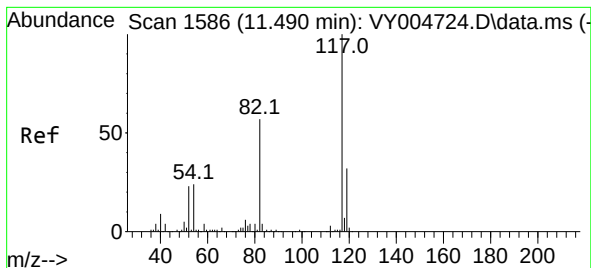
Tgt Ion: 98 Resp: 595584
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 50.93 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion: 95 Resp: 203424
Ion Ratio Lower Upper
95 100
174 80.4 0.0 164.2
176 79.8 0.0 159.0

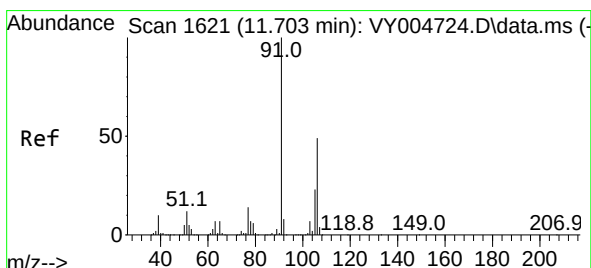
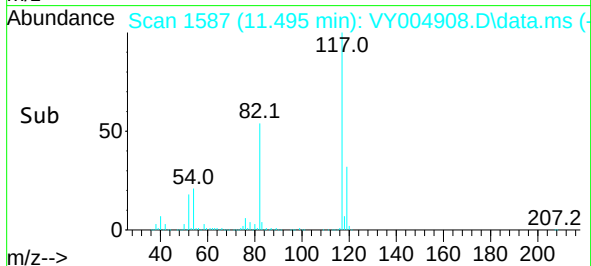
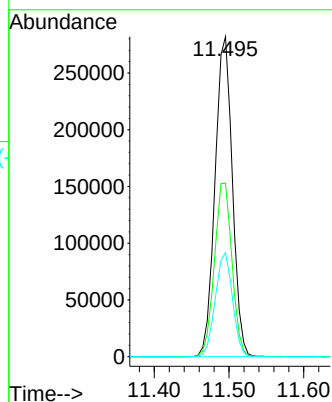
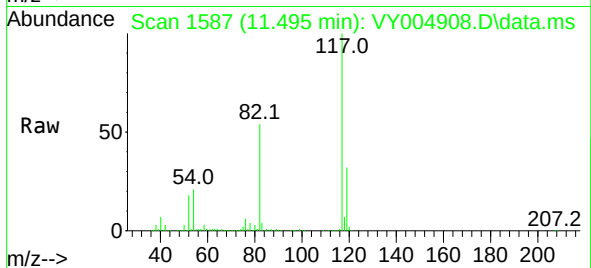




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

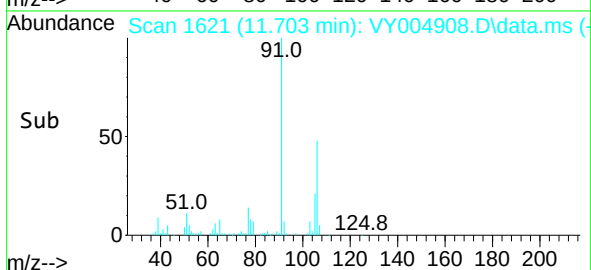
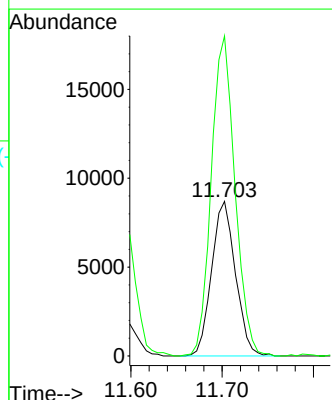
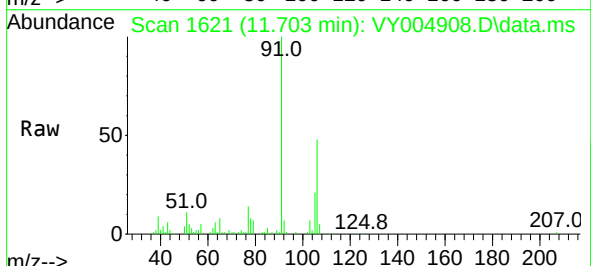
Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

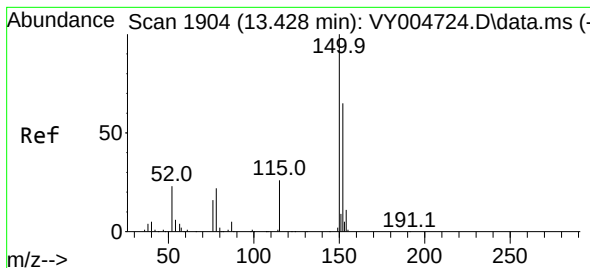
Tgt Ion:117 Resp: 453037
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 32.5 25.8 38.6



#68
m/p-Xylenes
Concen: 2.42 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion:106 Resp: 15759
Ion Ratio Lower Upper
106 100
91 205.3 163.6 245.4

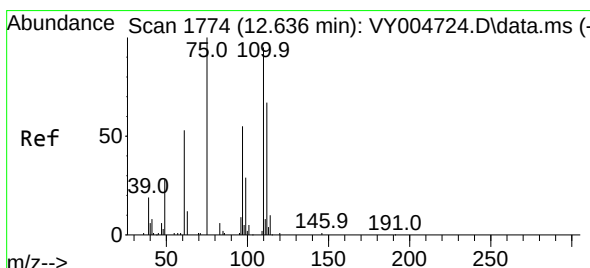
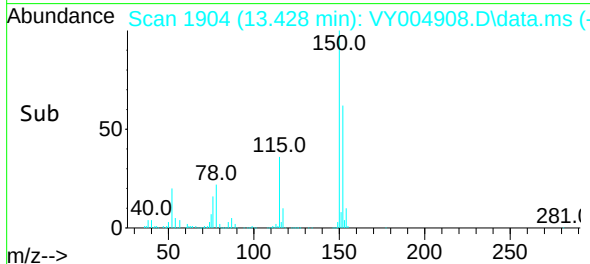
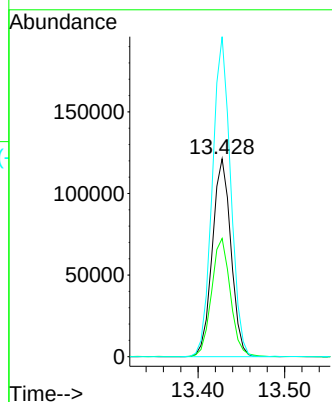
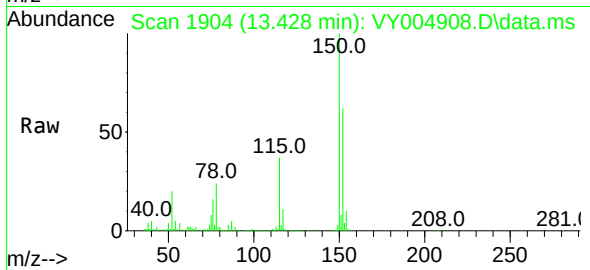




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004908.D
 Acq: 27 May 2021 18:44

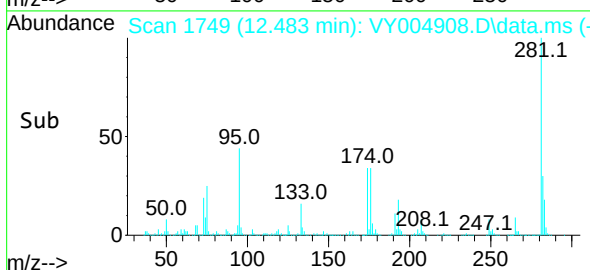
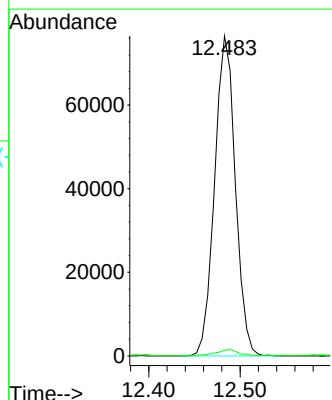
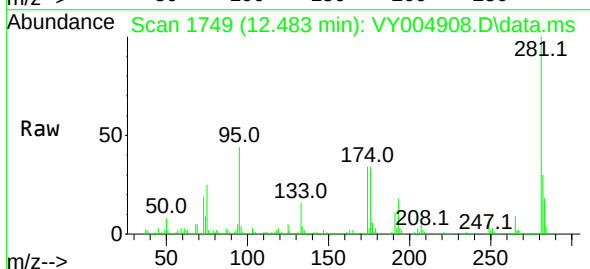
Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-PS-01-073

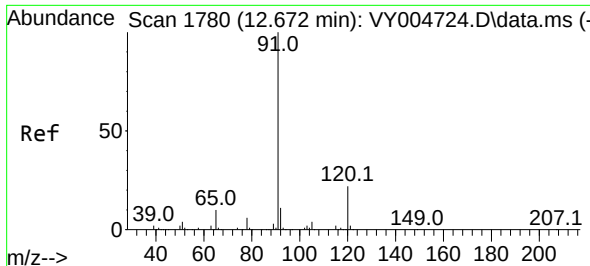
Tgt Ion:152 Resp: 180962
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.4 88.3
 150 158.7 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 62.71 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004908.D
 Acq: 27 May 2021 18:44

Tgt Ion: 75 Resp: 120531
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#

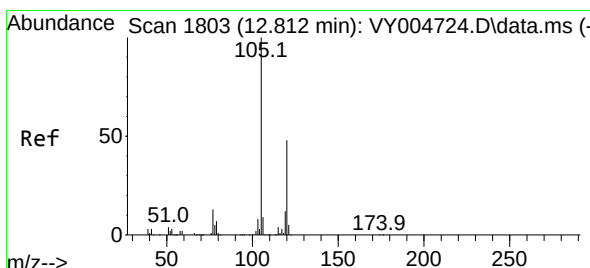
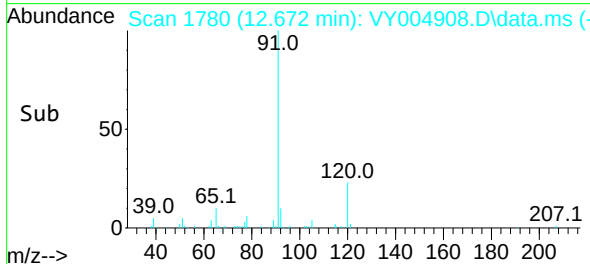
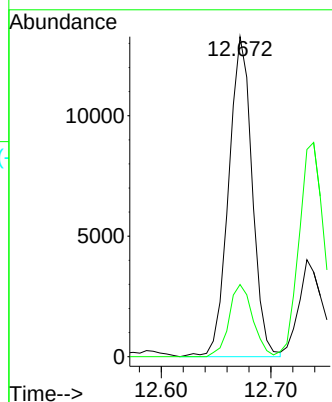
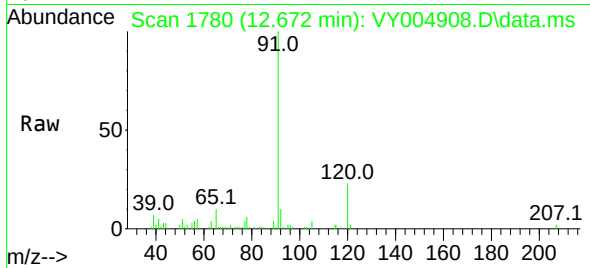




#78
n-propylbenzene
Concen: 1.19 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

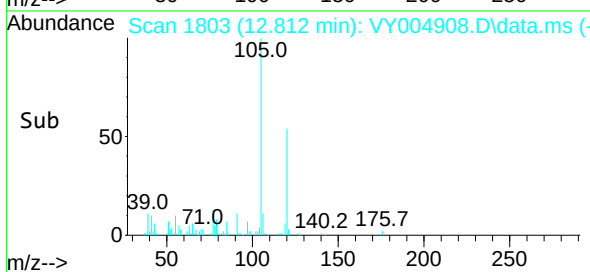
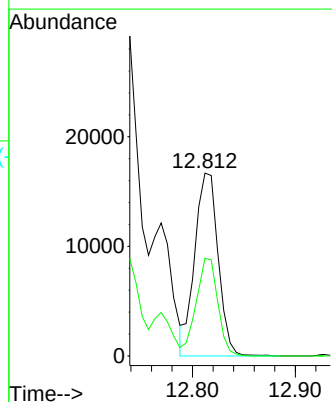
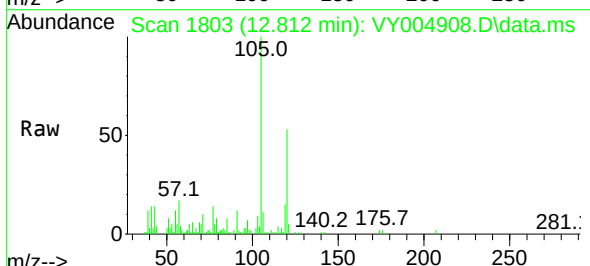
Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

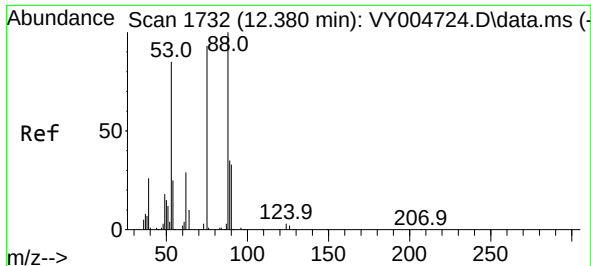
Tgt Ion: 91 Resp: 19801
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3



#80
1,3,5-Trimethylbenzene
Concen: 2.34 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

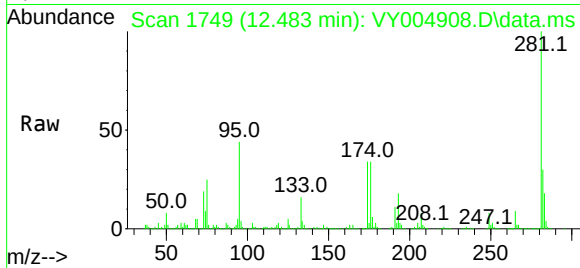
Tgt Ion: 105 Resp: 26502
Ion Ratio Lower Upper
105 100
120 49.3 24.0 72.0



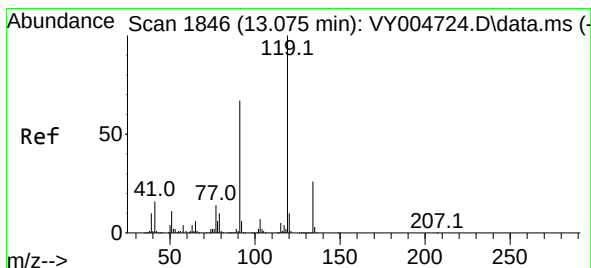
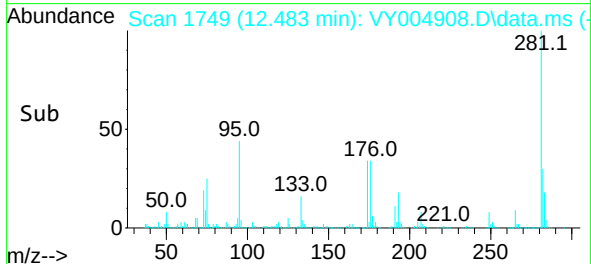
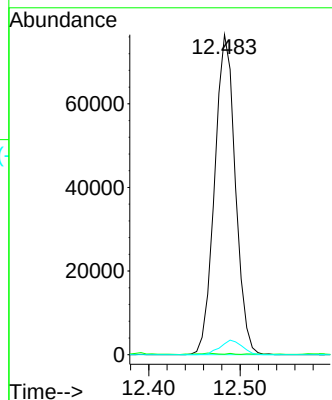


#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.73 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY004908.D
 Acq: 27 May 2021 18:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 FK-PS-01-073

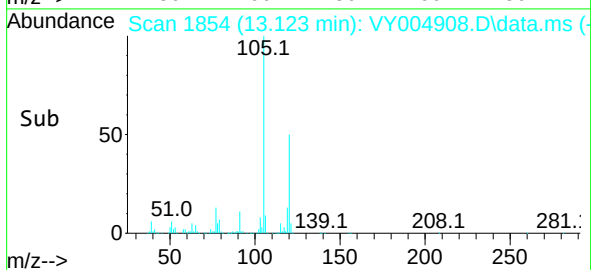
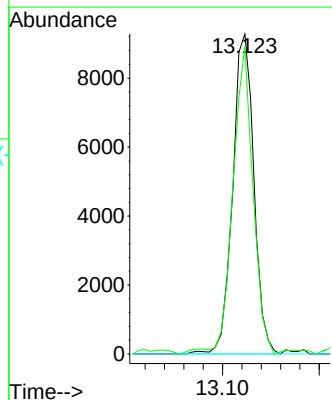
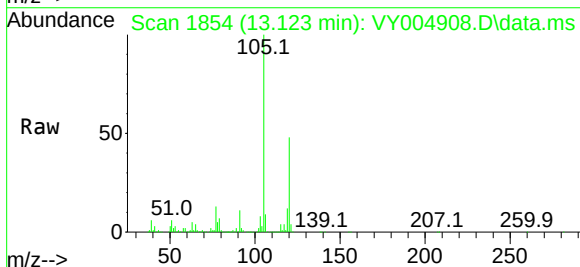


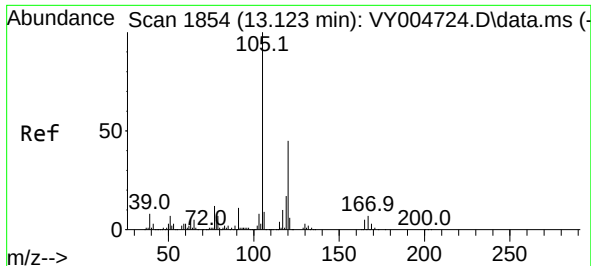
Tgt Ion: 75 Resp: 120531
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 4.8 35.5 53.3#



#83
 tert-Butylbenzene
 Concen: 1.46 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.048 min
 Lab File: VY004908.D
 Acq: 27 May 2021 18:44

Tgt Ion: 119 Resp: 14089
 Ion Ratio Lower Upper
 119 100
 91 92.3 32.3 96.8
 134 0.0 12.9 38.7#

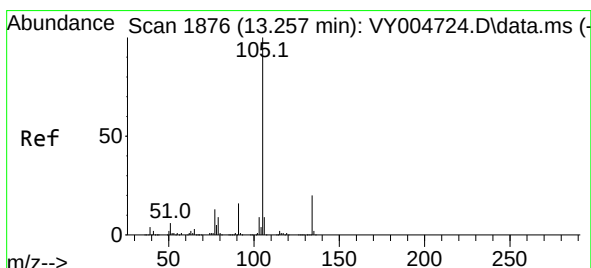
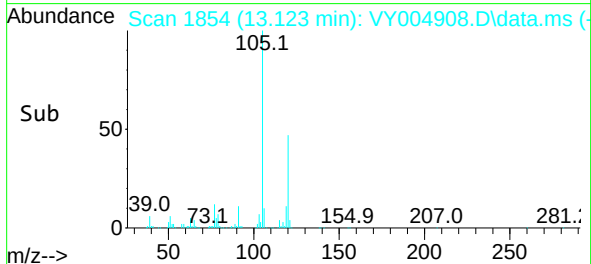
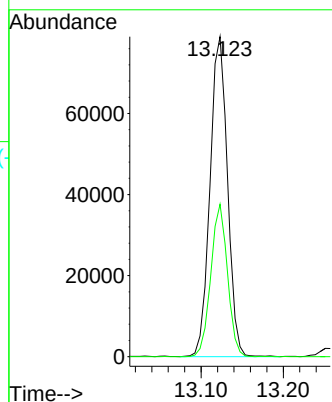
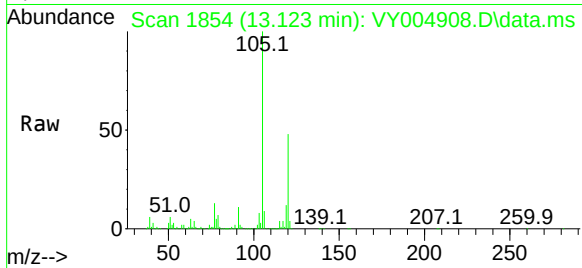




#84
1,2,4-Trimethylbenzene
Concen: 10.26 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

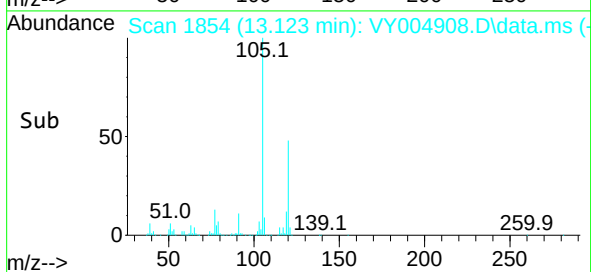
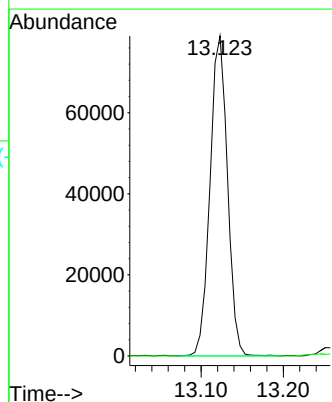
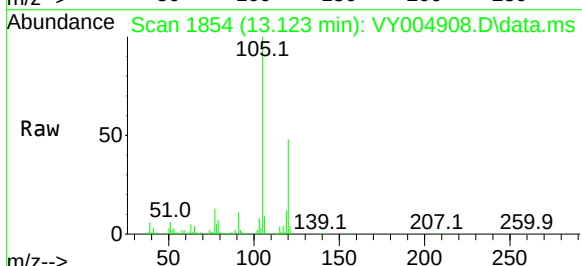
Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

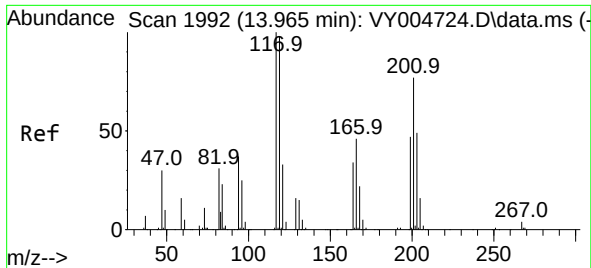
Tgt Ion:105 Resp: 116474
Ion Ratio Lower Upper
105 100
120 45.4 22.5 67.5



#85
sec-Butylbenzene
Concen: 8.28 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion:105 Resp: 116474
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#

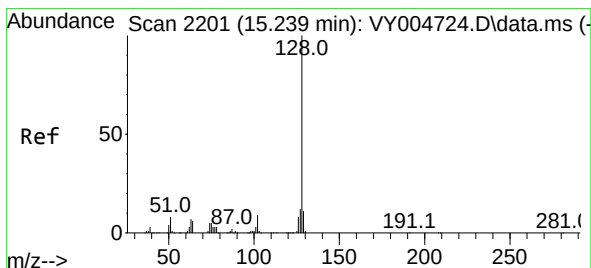
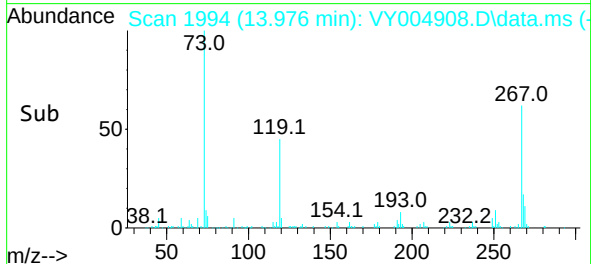
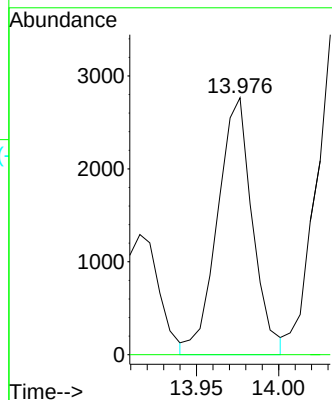
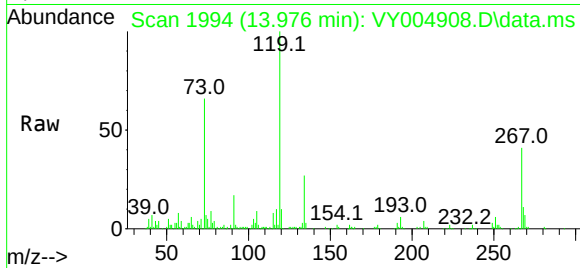




#90
Hexachloroethane
Concen: 2.38 ug/l
RT: 13.976 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Instrument :
MSVOA_Y
ClientSampleId :
FK-PS-01-073

Tgt Ion:117 Resp: 4088
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#95
Naphthalene
Concen: 4.83 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004908.D
Acq: 27 May 2021 18:44

Tgt Ion:128 Resp: 35944
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.2
129 12.3 8.6 13.0

