

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004267.D
 Acq On : 02 Apr 2021 16:58
 Operator : SY/MD
 Sample : M1909-03
 Misc : 6.02g/5mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-17-12-13

Quant Time: Apr 02 23:02:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

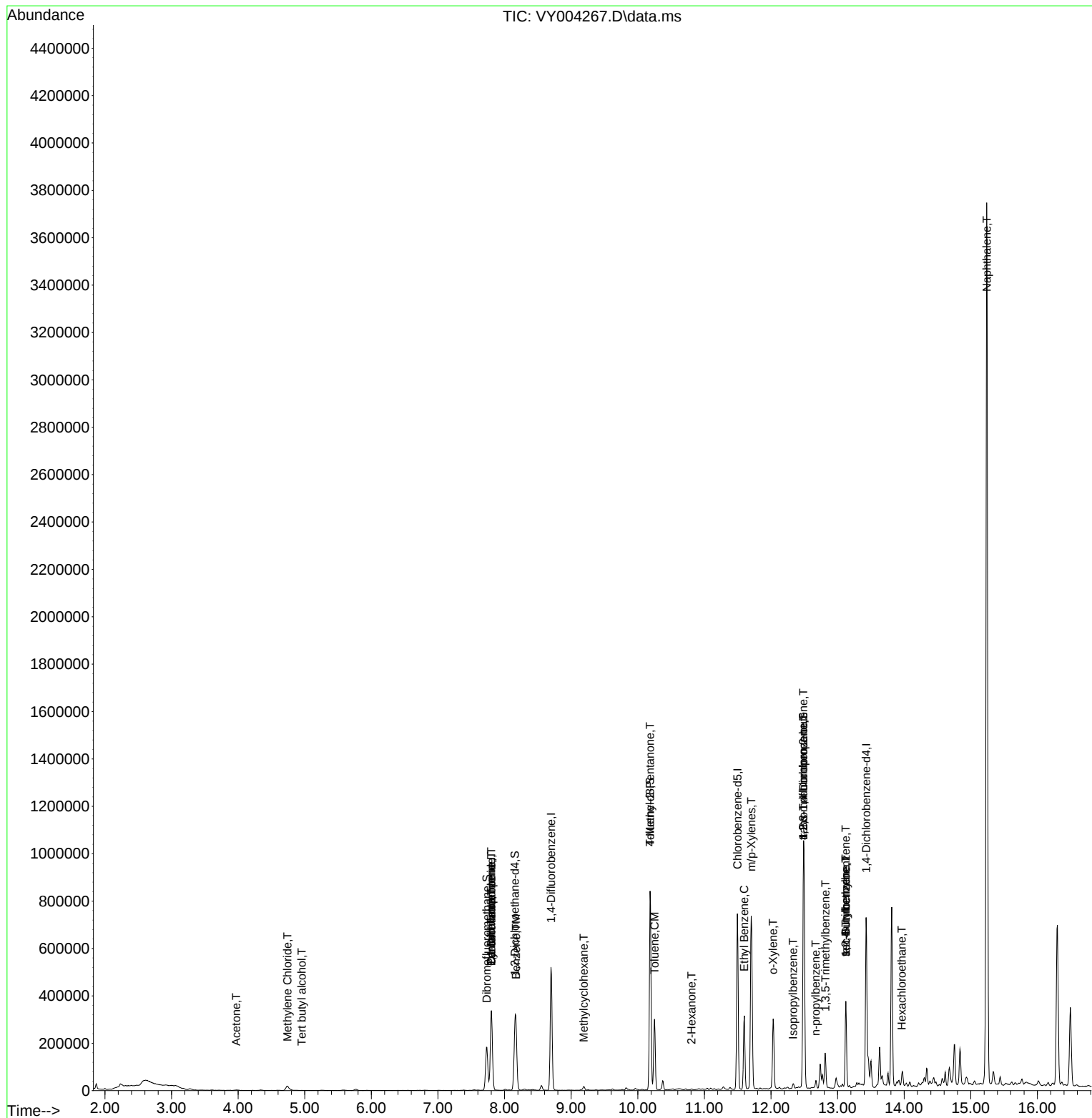
Internal Standards						
1) Pentafluorobenzene	7.801	168	252905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	434085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	386466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175118	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	150768	62.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.02%			
35) Dibromofluoromethane	7.734	113	131515	54.37	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.74%			
50) Toluene-d8	10.185	98	526049	57.83	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.66%			
62) 4-Bromofluorobenzene	12.483	95	178208	57.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.32%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	540	2.73	ug/l #	71
13) Acrolein	3.729	56	158	Below Cal	#	15
16) Acetone	3.973	43	3030	5.98	ug/l	95
20) Methylene Chloride	4.741	84	13731	3.17	ug/l	94
31) Cyclohexane	7.801	56	7001	1.63	ug/l #	28
36) 1,1-Dichloropropene	7.801	75	20096	5.07	ug/l #	49
38) Carbon Tetrachloride	7.801	117	24904	7.23	ug/l #	16
39) Methylcyclohexane	9.191	83	6257	1.28	ug/l	95
40) Benzene	8.173	78	197934	17.62	ug/l	98
49) 1,4-Dioxane	9.313	88	288	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.185	43	2791	1.24	ug/l #	1
52) Toluene	10.252	92	121203	16.78	ug/l	99
59) 2-Hexanone	10.807	43	1855	1.20	ug/l #	25
67) Ethyl Benzene	11.599	91	209278	14.95	ug/l	99
68) m/p-Xylenes	11.703	106	217239	40.42	ug/l	97
69) o-Xylene	12.032	106	77523	15.42	ug/l	96
73) Isopropylbenzene	12.331	105	13243	1.04	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	98514	61.95	ug/l #	100
78) n-propylbenzene	12.672	91	24476	1.65	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	54729	5.24	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	98514	114.18	ug/l #	11
83) tert-Butylbenzene	13.123	119	22726	2.52	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.123	105	188020	17.96	ug/l	100
85) sec-Butylbenzene	13.123	105	188020	15.14	ug/l #	55
90) Hexachloroethane	13.965	117	5909	12.21	ug/l #	12
95) Naphthalene	15.239	128	2918412	385.90	ug/l	100

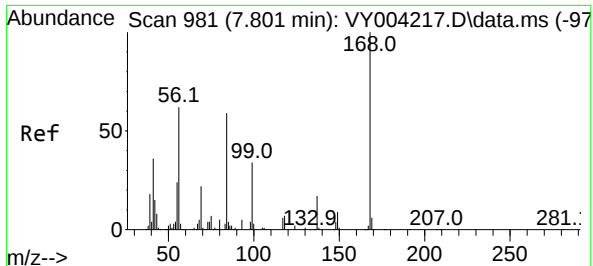
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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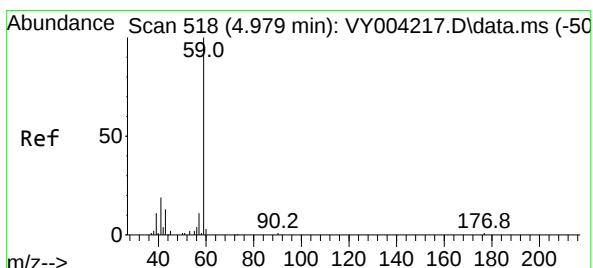
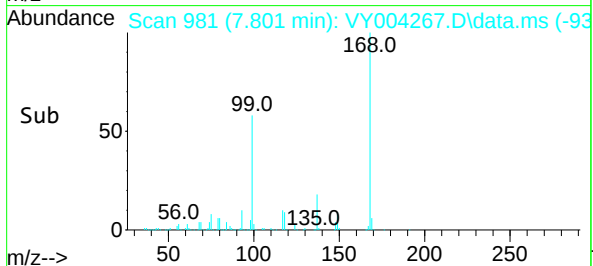
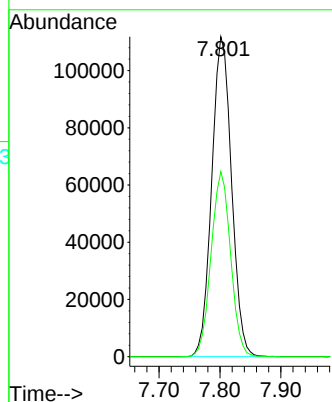
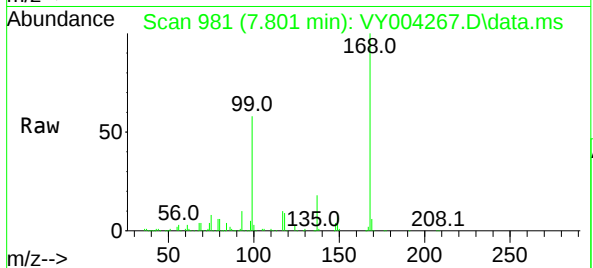




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

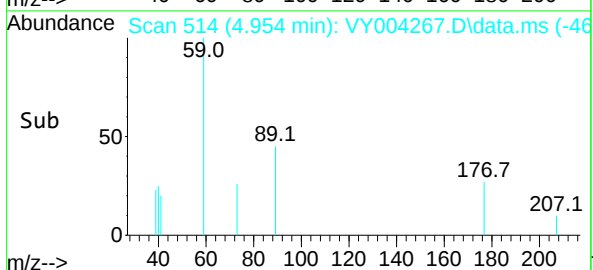
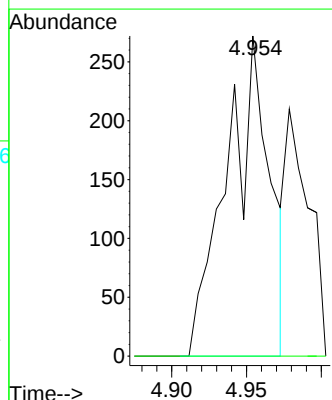
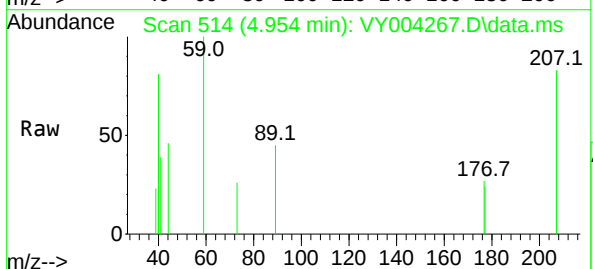
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

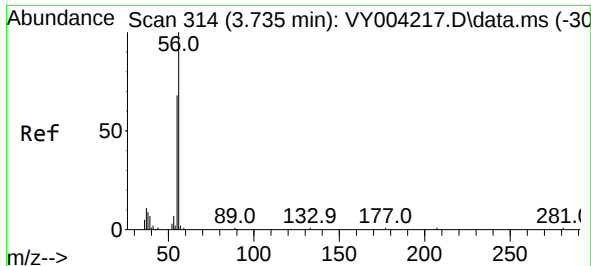
Tgt Ion:168 Resp: 252905
Ion Ratio Lower Upper
168 100
99 57.9 42.6 64.0



#11
Tert butyl alcohol
Concen: 2.73 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

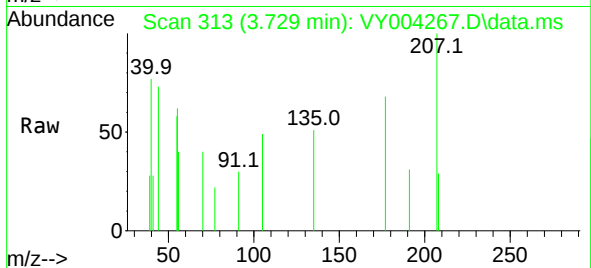
Tgt Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



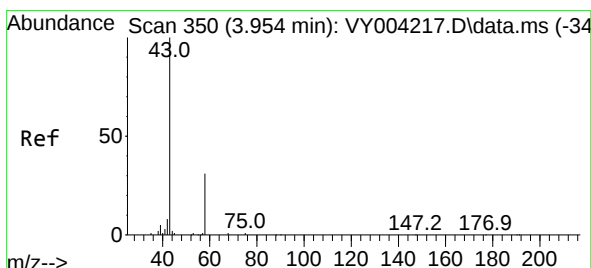
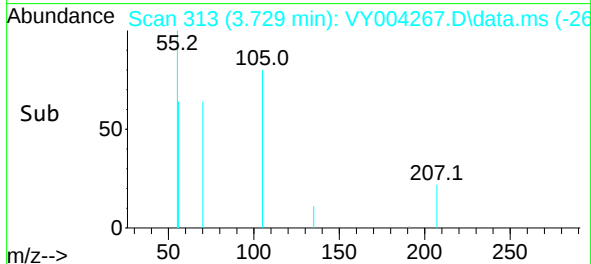


#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

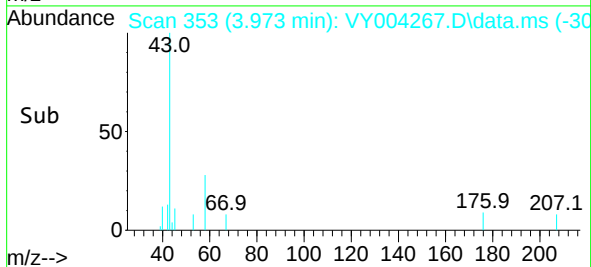
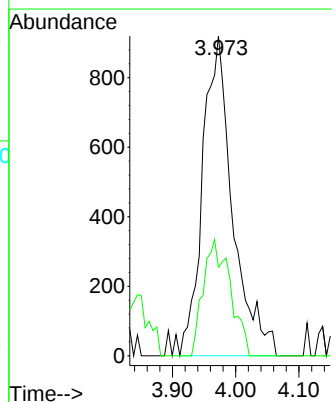
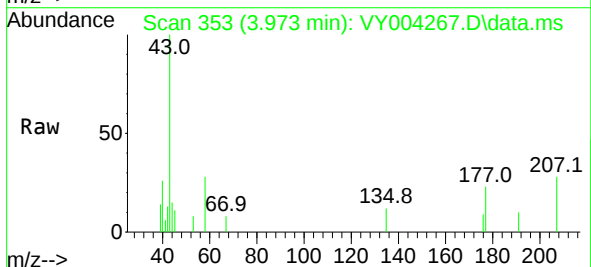


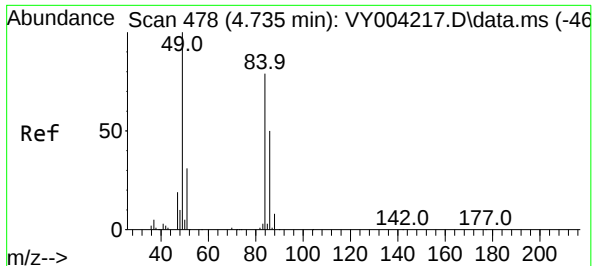
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#16
Acetone
Concen: 5.98 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.018 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

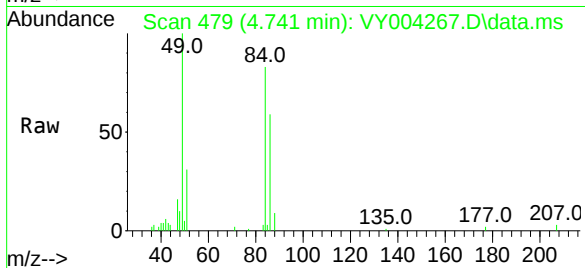
Tgt Ion: 43 Resp: 3030
Ion Ratio Lower Upper
43 100
58 27.7 24.5 36.7



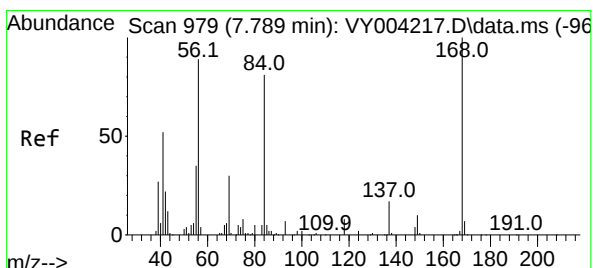
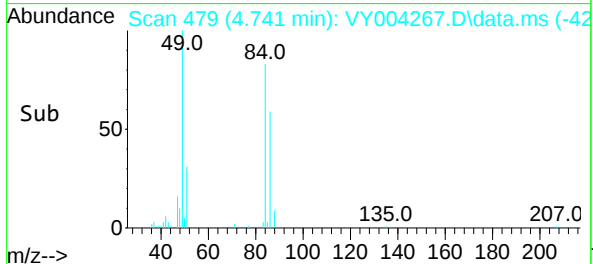
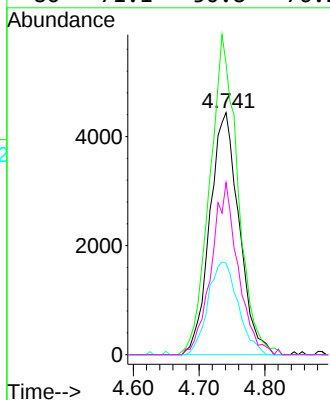


#20
Methylene Chloride
Concen: 3.17 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

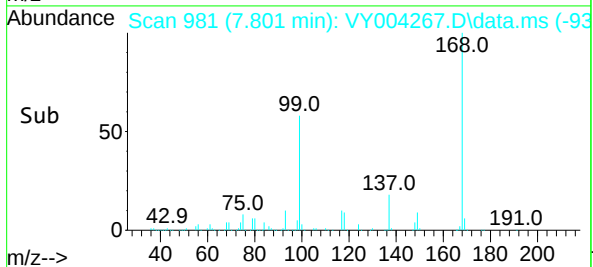
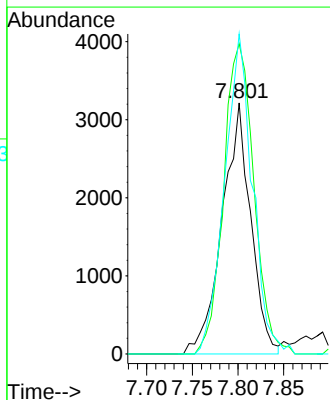
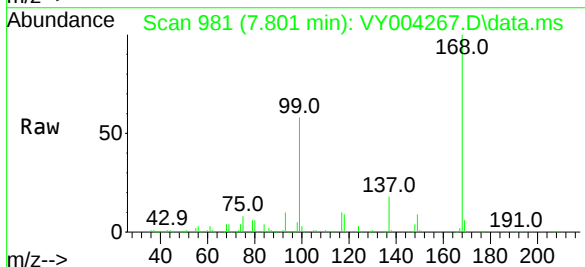


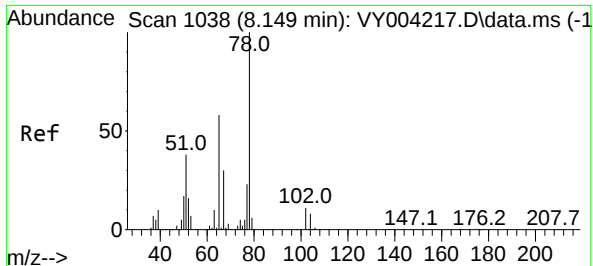
Tgt Ion:	84	Resp:	13731
Ion	Ratio	Lower	Upper
84	100		
49	120.2	101.5	152.3
51	37.8	31.5	47.3
86	71.1	50.8	76.2



#31
Cyclohexane
Concen: 1.63 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion:	56	Resp:	7001
Ion	Ratio	Lower	Upper
56	100		
69	123.6	26.6	40.0#
84	127.5	72.3	108.5#





#33

1,2-Dichloroethane-d4

Concen: 62.01 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY004267.D

Acq: 02 Apr 2021 16:58

Tgt Ion: 65 Resp: 150768

Ion Ratio Lower Upper

65 100

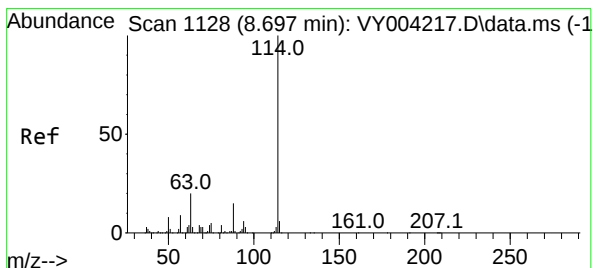
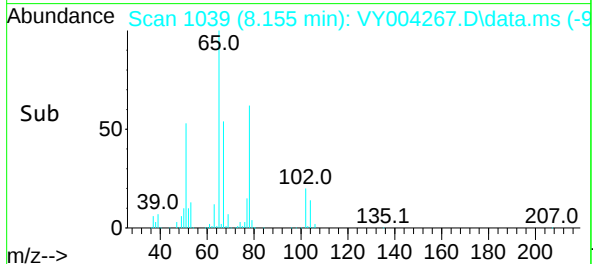
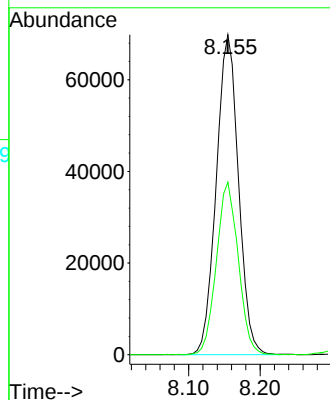
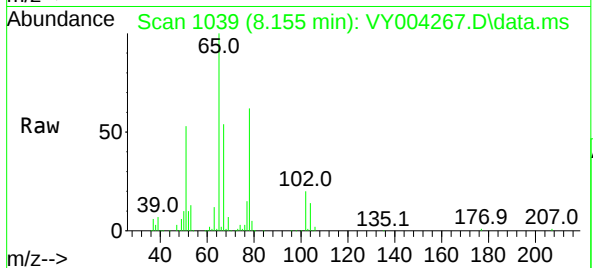
67 53.0 0.0 103.2

Instrument :

MSVOA_Y

ClientSampleId :

FS-SB-17-12-13



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004267.D

Acq: 02 Apr 2021 16:58

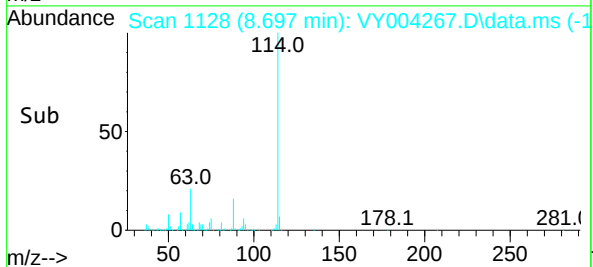
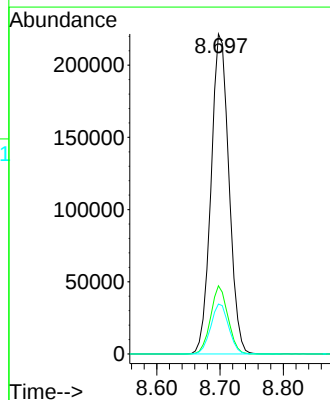
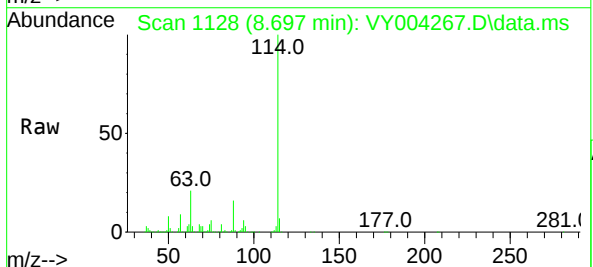
Tgt Ion:114 Resp: 434085

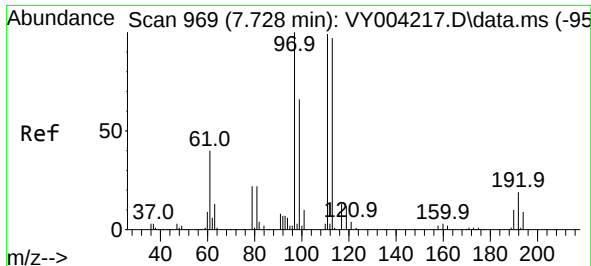
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.4

88 15.6 0.0 30.8

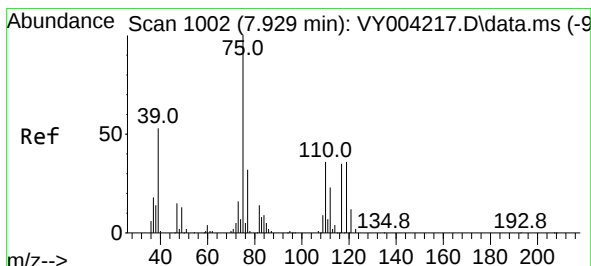
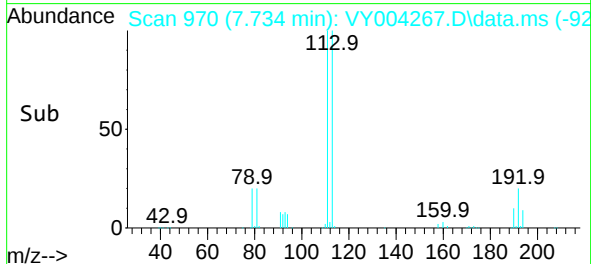
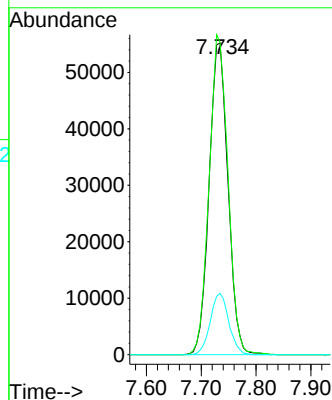
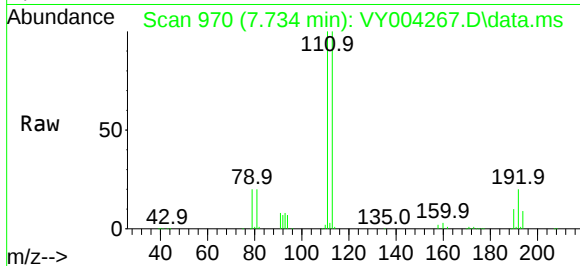




#35
Dibromofluoromethane
Concen: 54.37 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

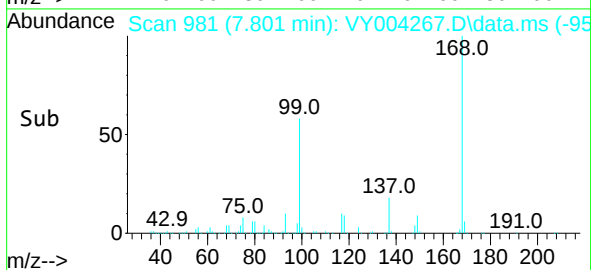
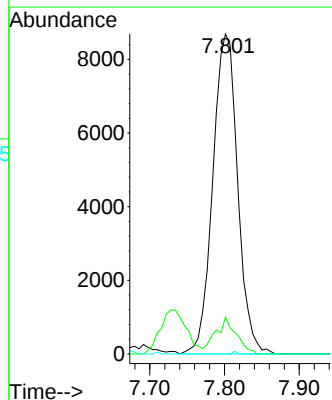
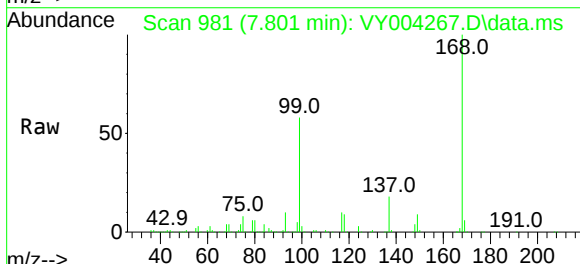
Instrument :
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ClientSampleId :
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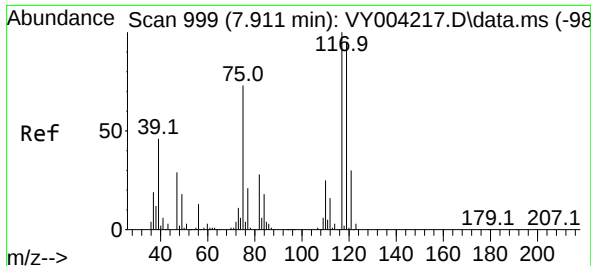
Tgt Ion:	113	Resp:	131515
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	19.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

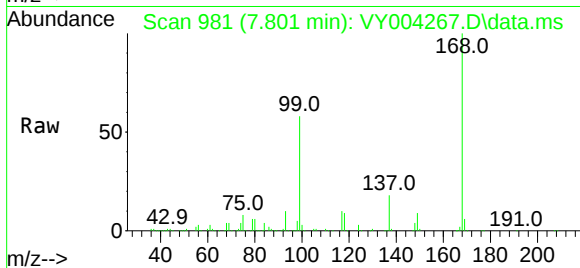
Tgt Ion:	75	Resp:	20096
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.3#
77	0.0	25.1	37.7#



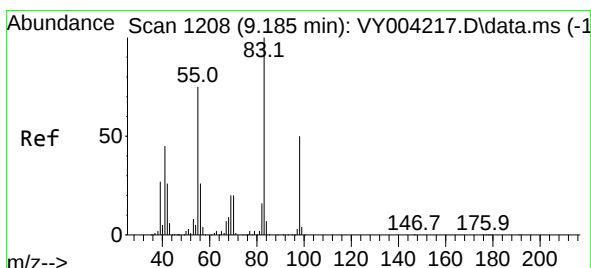
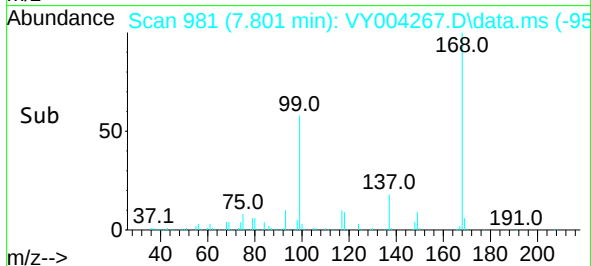
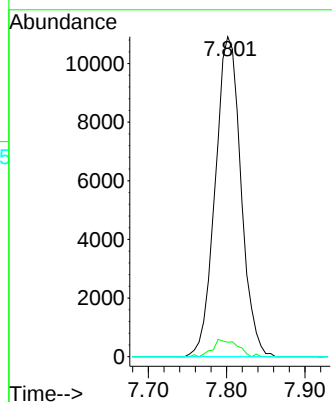


#38
Carbon Tetrachloride
Concen: 7.23 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Instrument :
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ClientSampleId :
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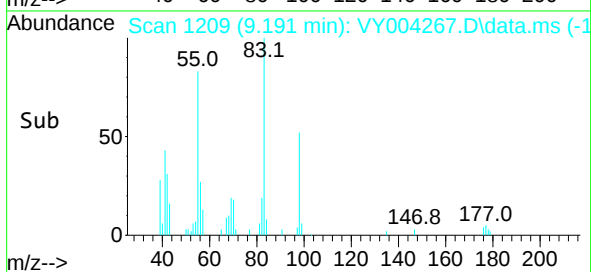
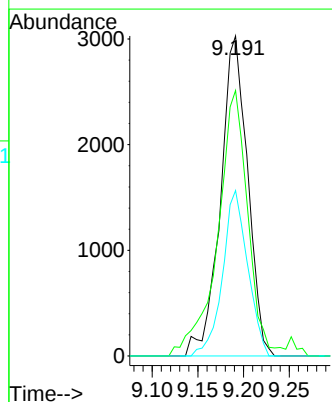
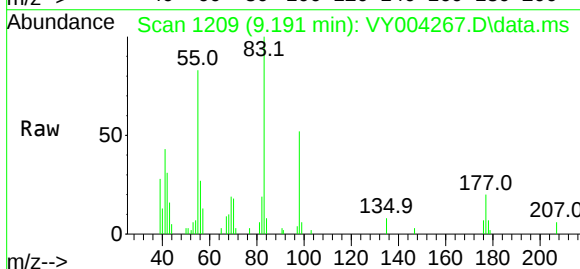


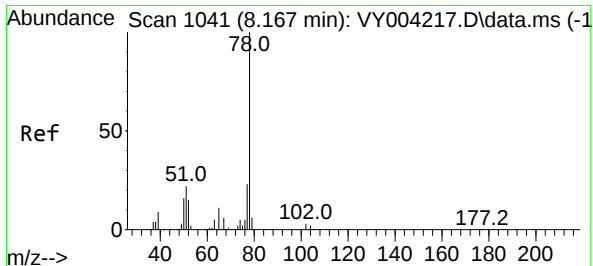
Tgt Ion: 117 Resp: 24904
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 1.28 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 83 Resp: 6257
Ion Ratio Lower Upper
83 100
55 80.3 60.0 90.0
98 51.7 40.2 60.2

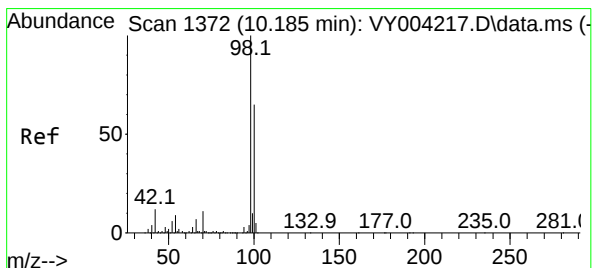
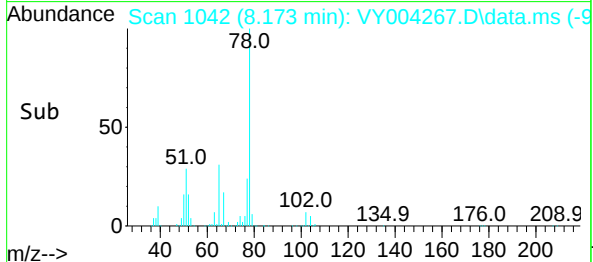
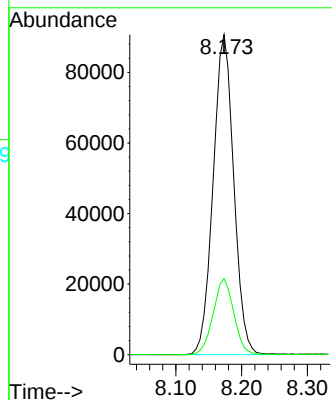
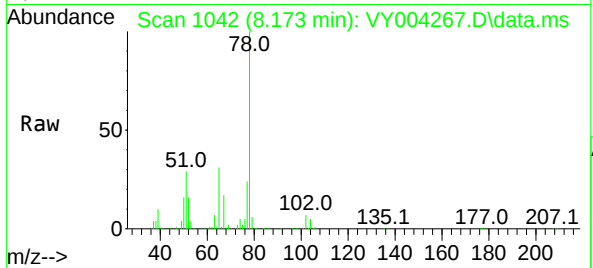




#40
Benzene
Concen: 17.62 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

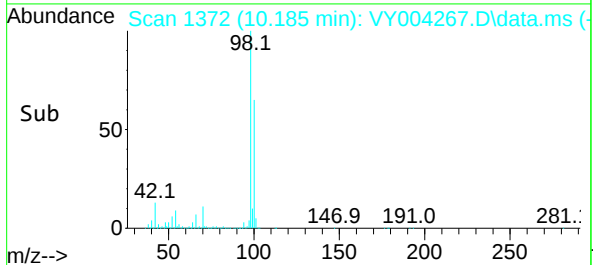
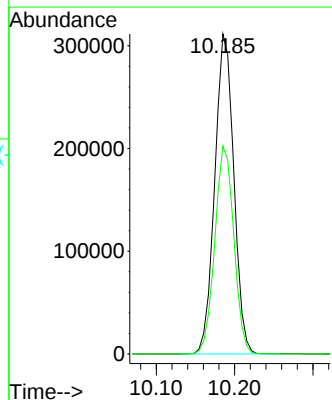
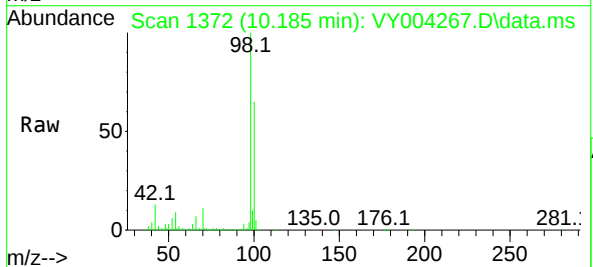
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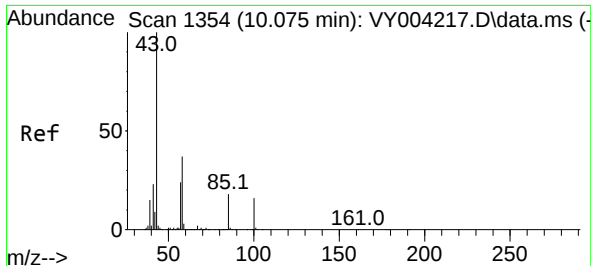
Tgt Ion: 78 Resp: 197934
Ion Ratio Lower Upper
78 100
77 23.8 18.3 27.5



#50
Toluene-d8
Concen: 57.83 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 98 Resp: 526049
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

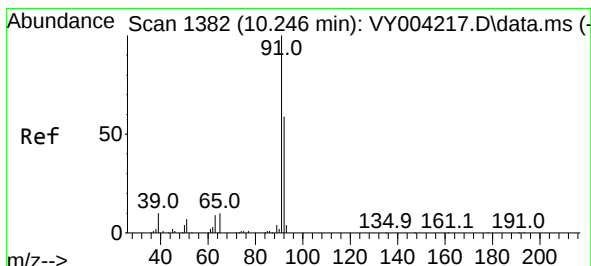
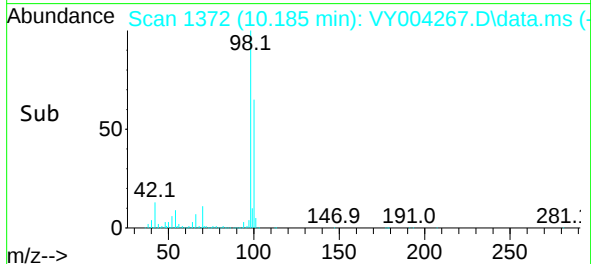
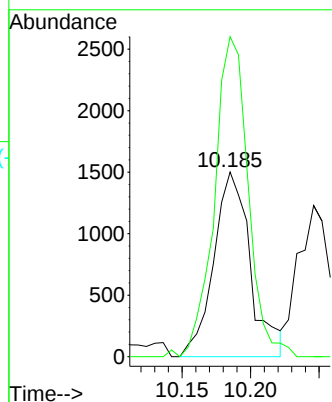
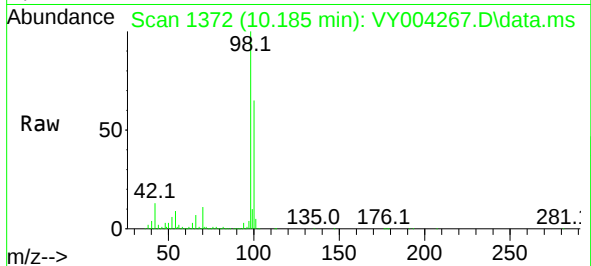




#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

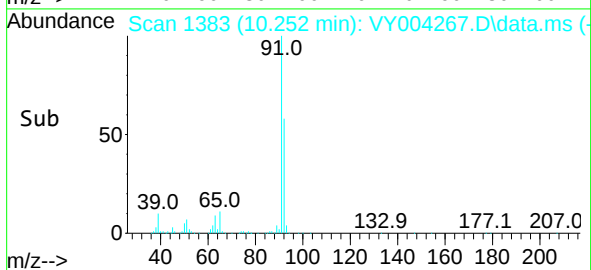
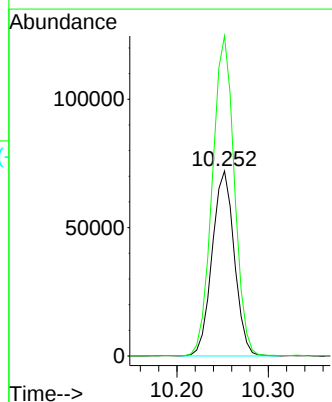
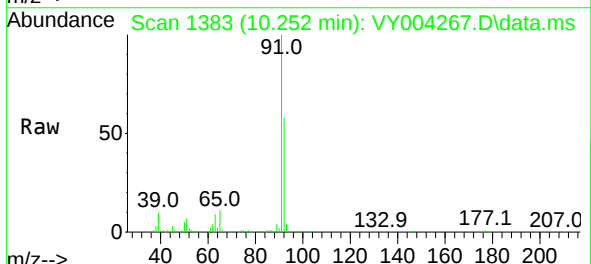
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

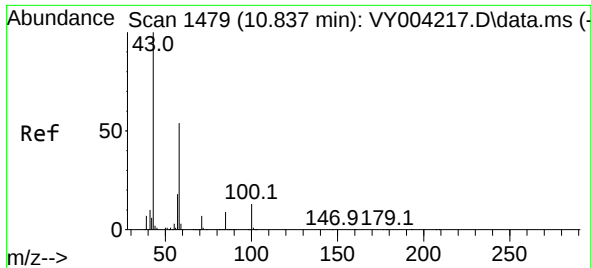
Tgt Ion: 43 Resp: 2791
Ion Ratio Lower Upper
43 100
58 160.1 30.6 45.8#



#52
Toluene
Concen: 16.78 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 92 Resp: 121203
Ion Ratio Lower Upper
92 100
91 171.6 136.0 204.0

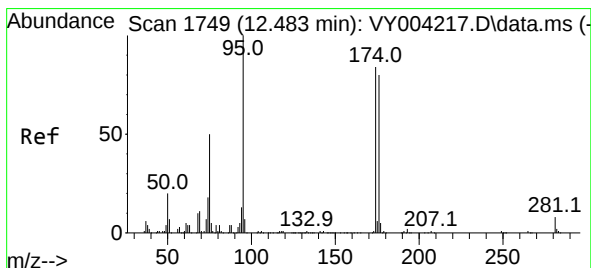
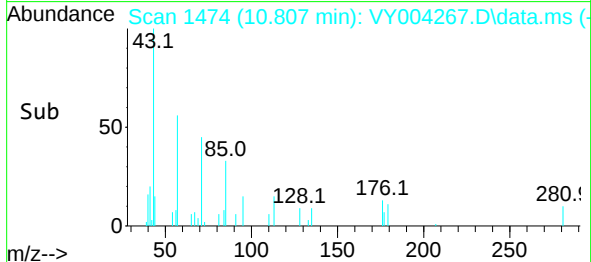
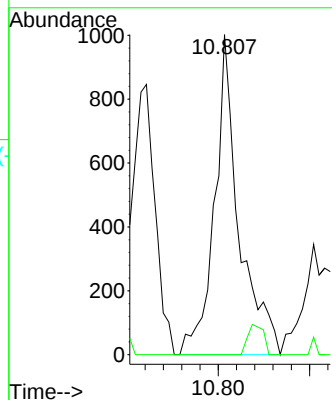
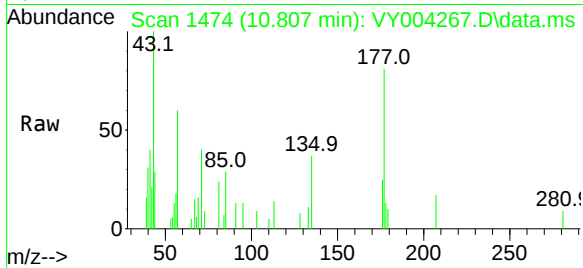




#59
2-Hexanone
Concen: 1.20 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

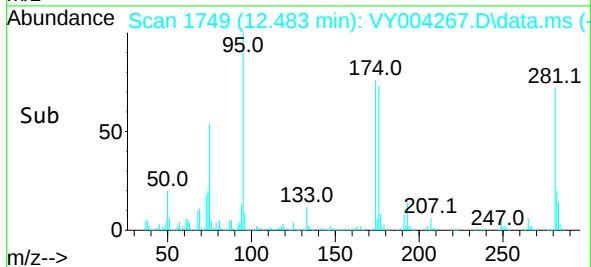
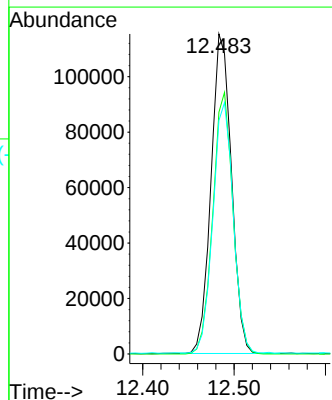
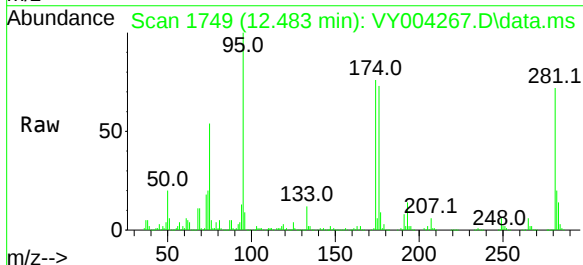
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

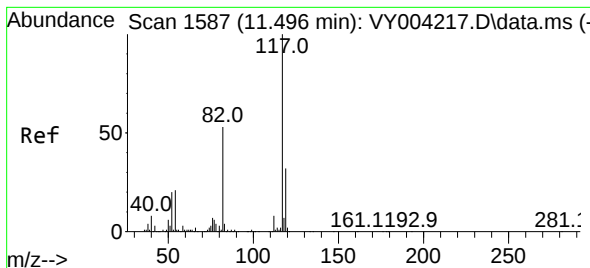
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 57.16 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 95 Resp: 178208
Ion Ratio Lower Upper
95 100
174 80.9 0.0 171.4
176 78.4 0.0 165.6

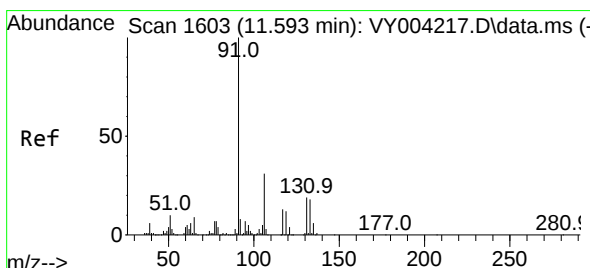
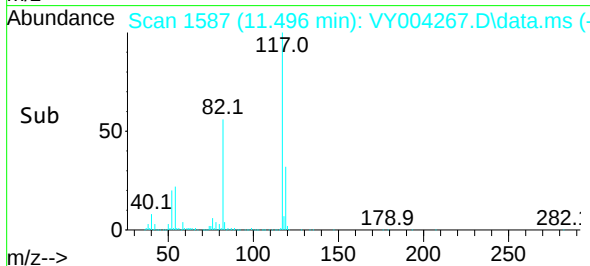
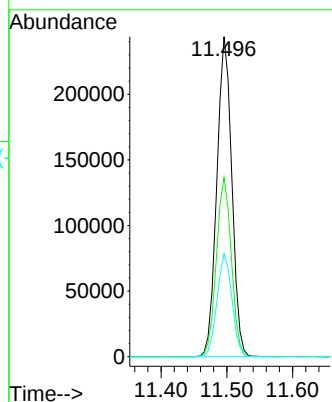
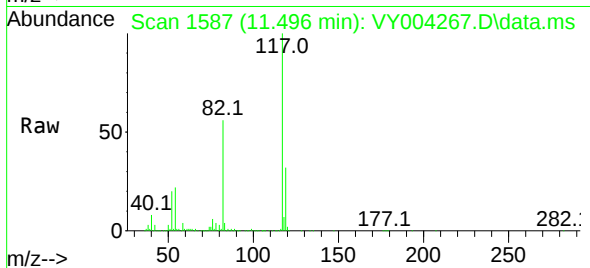




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

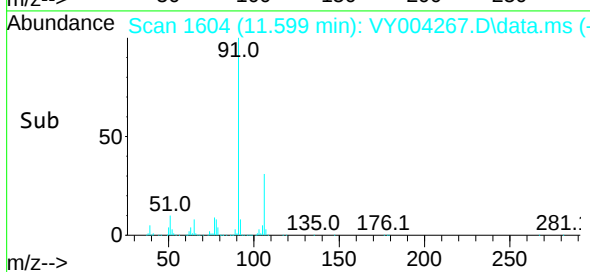
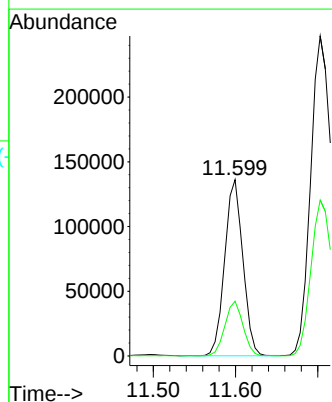
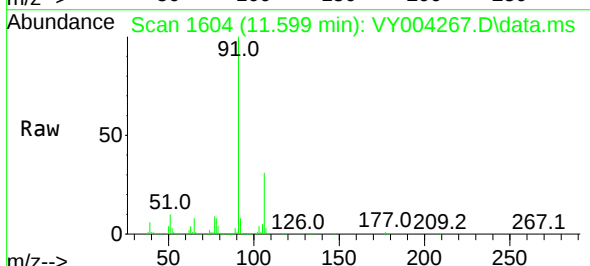
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

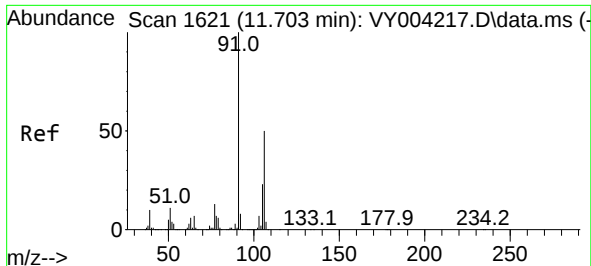
Tgt Ion:117 Resp: 386466
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 14.95 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 91 Resp: 209278
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

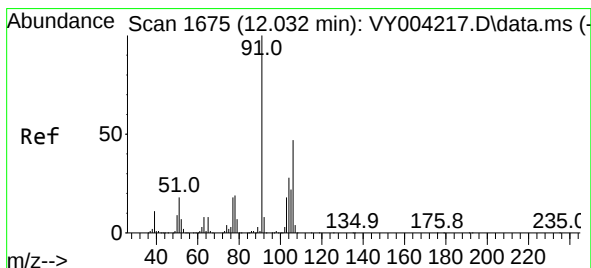
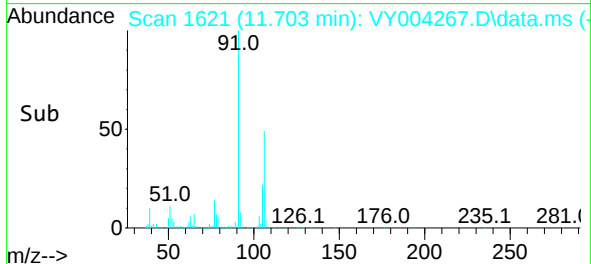
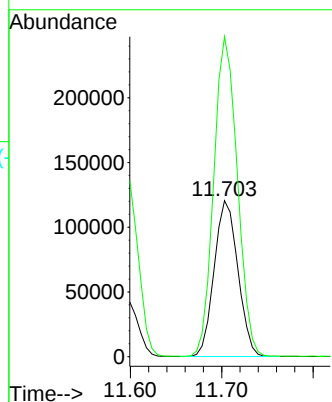
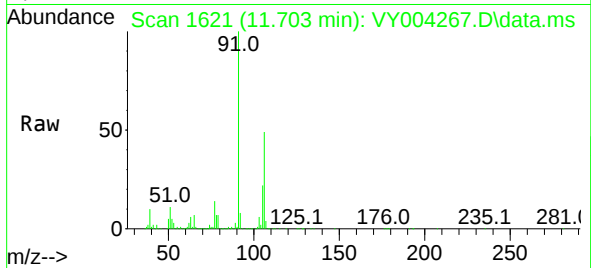




#68
m/p-Xylenes
Concen: 40.42 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

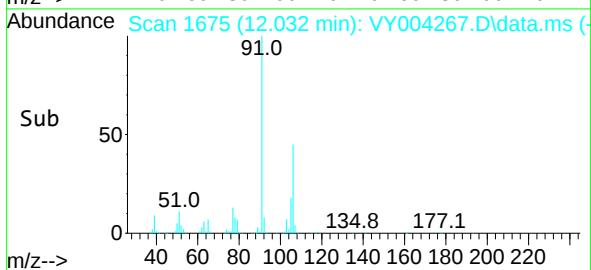
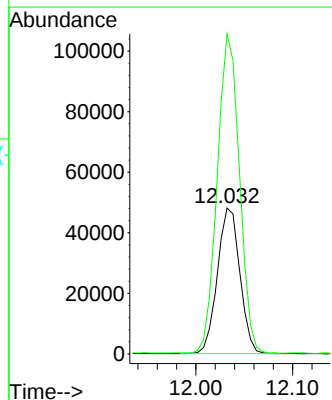
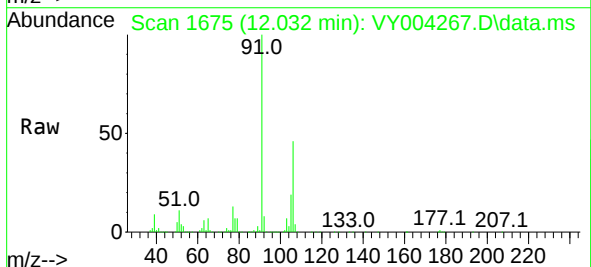
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

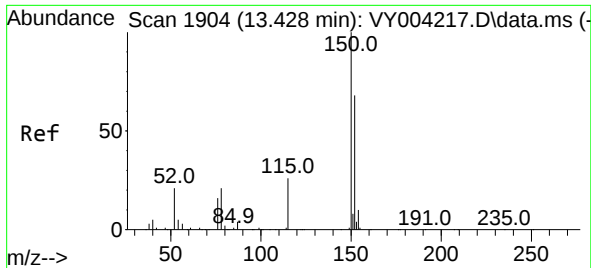
Tgt Ion:106 Resp: 217239
Ion Ratio Lower Upper
106 100
91 203.7 159.8 239.6



#69
o-Xylene
Concen: 15.42 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion:106 Resp: 77523
Ion Ratio Lower Upper
106 100
91 216.7 105.6 316.8

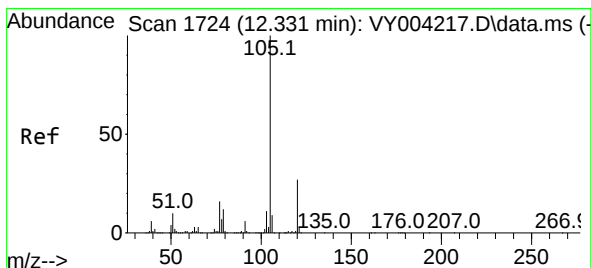
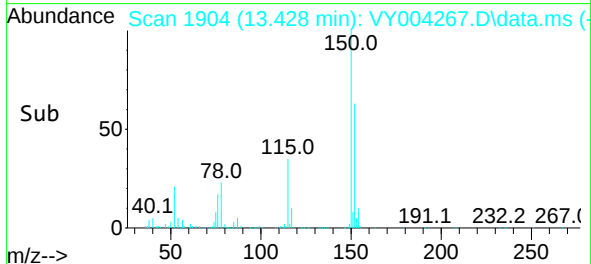
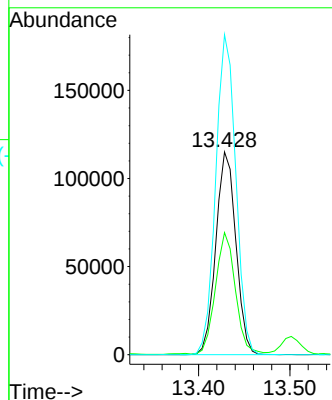
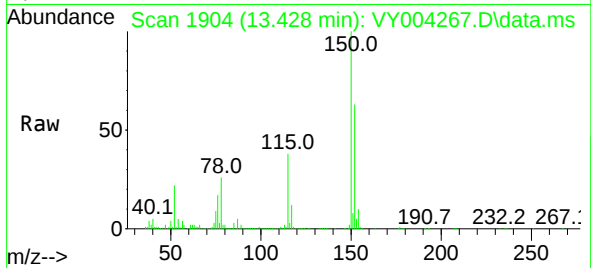




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

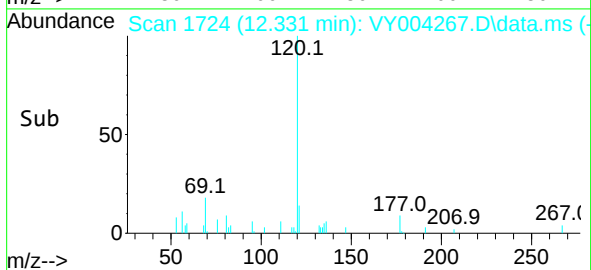
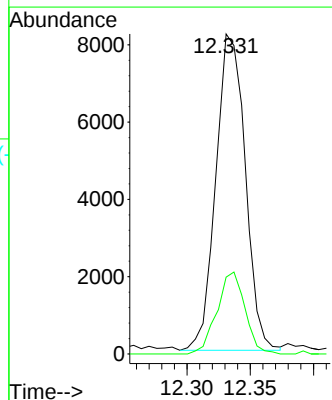
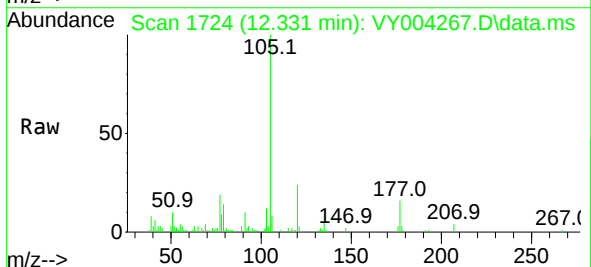
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

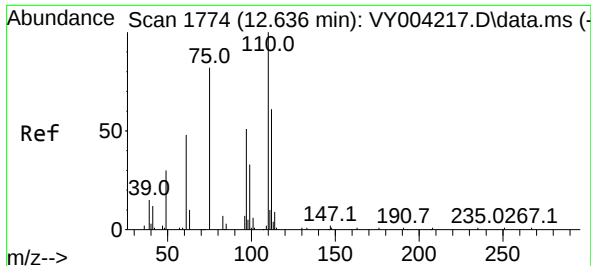
Tgt Ion:152 Resp: 175118
Ion Ratio Lower Upper
152 100
115 60.3 29.0 87.1
150 158.6 0.0 347.4



#73
Isopropylbenzene
Concen: 1.04 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion:105 Resp: 13243
Ion Ratio Lower Upper
105 100
120 24.6 13.7 41.0

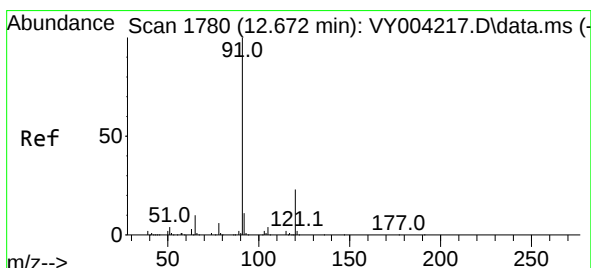
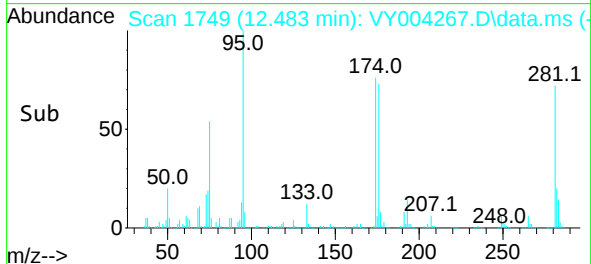
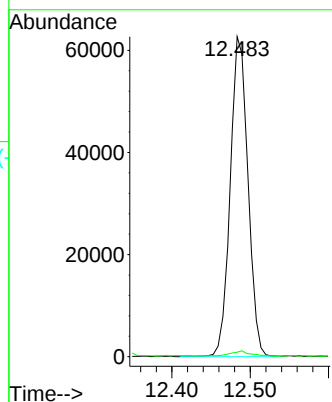
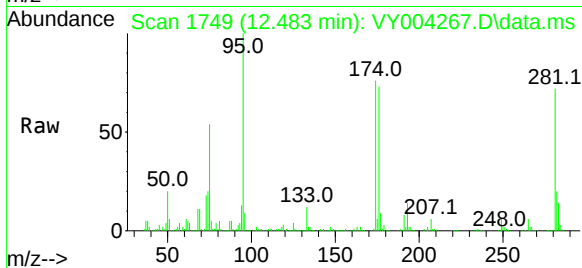




#76
1,2,3-Trichloropropane
Concen: 61.95 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

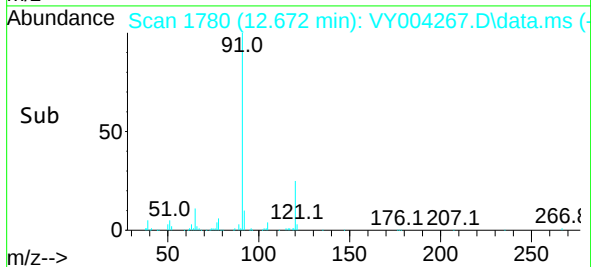
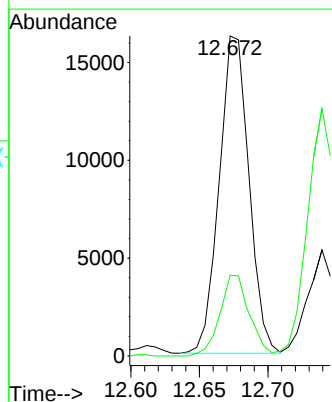
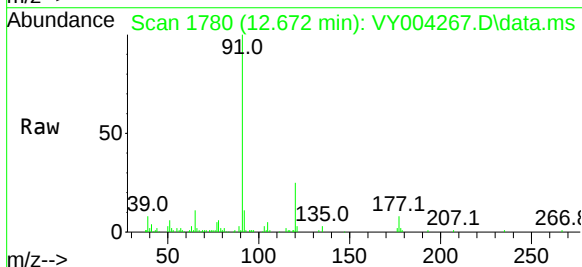
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

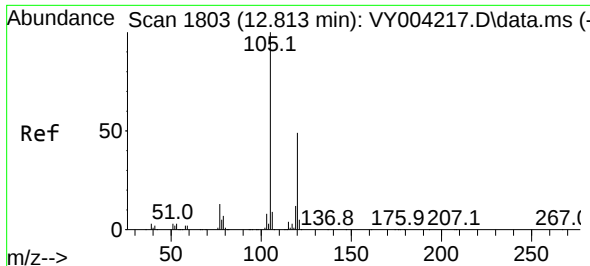
Tgt Ion: 75 Resp: 98514
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#78
n-propylbenzene
Concen: 1.65 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 91 Resp: 24476
Ion Ratio Lower Upper
91 100
120 25.2 11.9 35.5

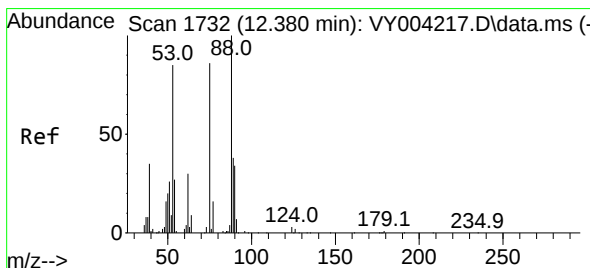
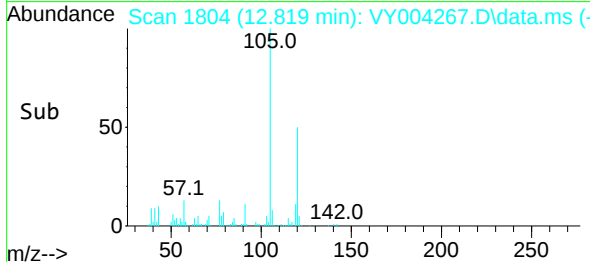
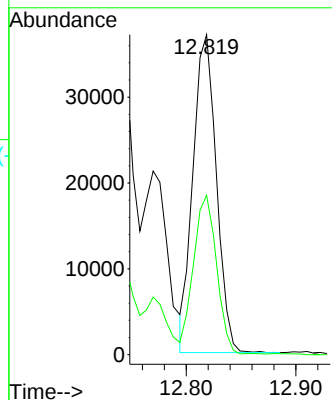
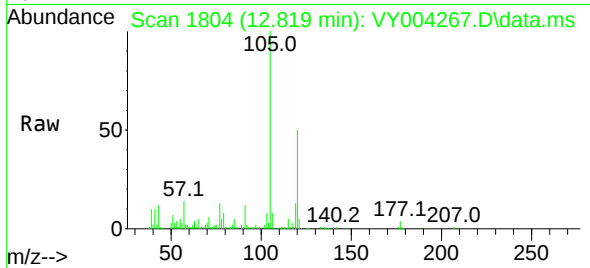




#80
1,3,5-Trimethylbenzene
Concen: 5.24 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

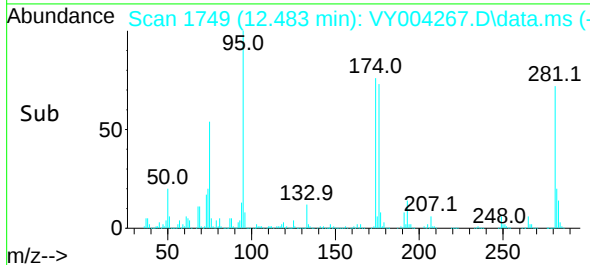
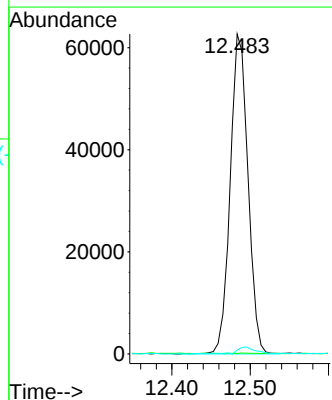
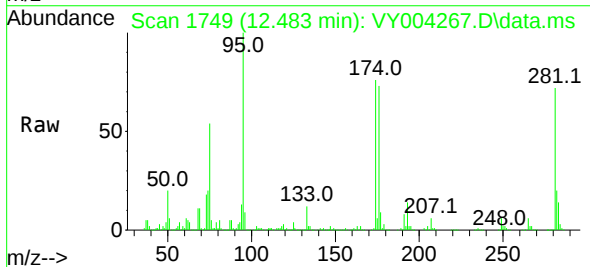
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

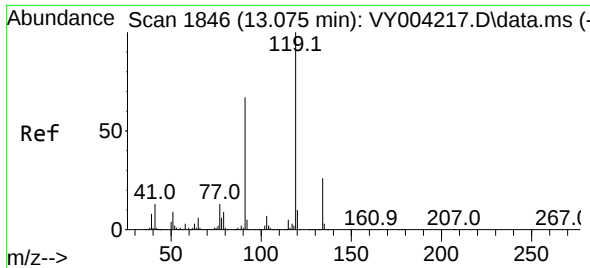
Tgt Ion:105 Resp: 54729
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 114.18 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion: 75 Resp: 98514
Ion Ratio Lower Upper
75 100
53 0.2 79.3 118.9#
89 2.1 39.4 59.2#

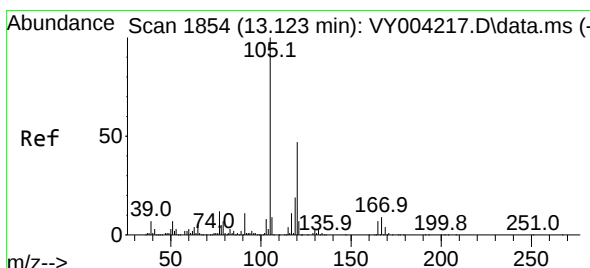
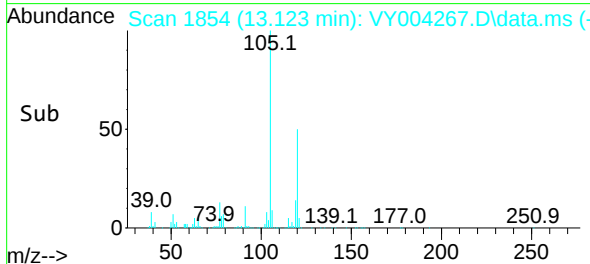
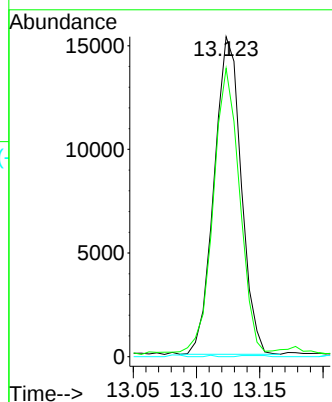
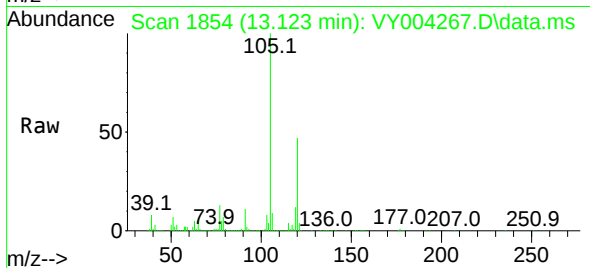




#83
tert-Butylbenzene
Concen: 2.52 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

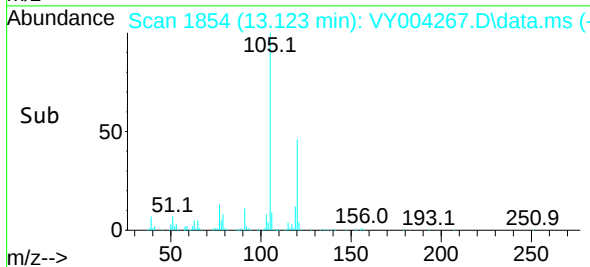
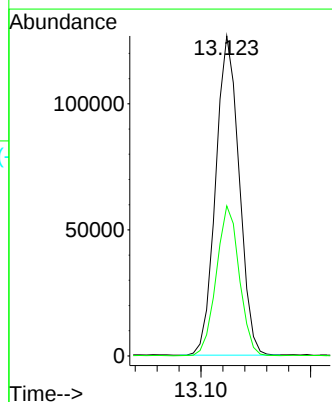
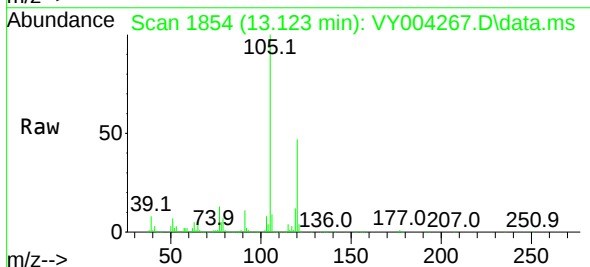
Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

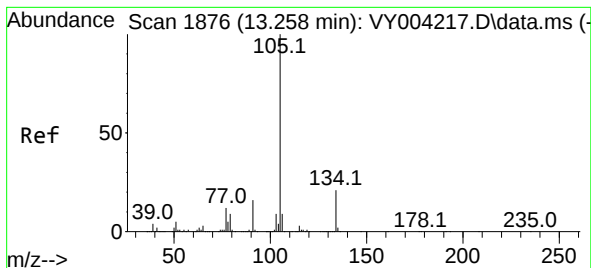
Tgt Ion:119 Resp: 22726
Ion Ratio Lower Upper
119 100
91 89.3 33.1 99.2
134 0.0 13.6 40.8#



#84
1,2,4-Trimethylbenzene
Concen: 17.96 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Tgt Ion:105 Resp: 188020
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.7

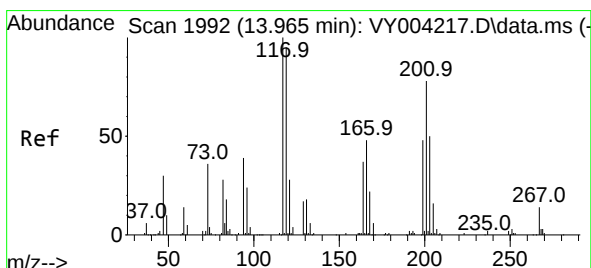
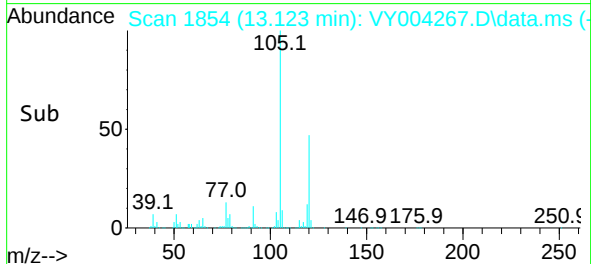
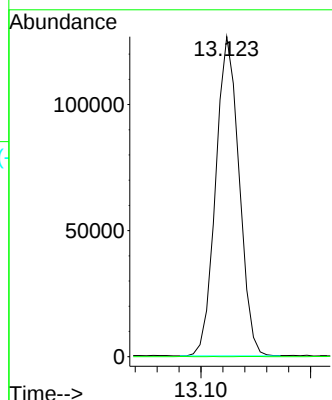
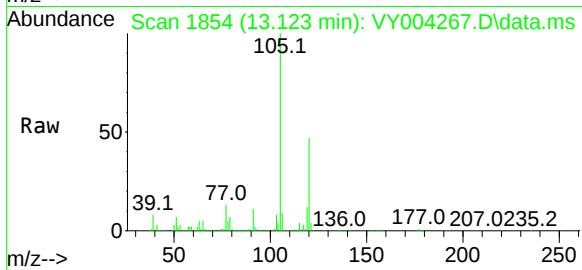




#85
 sec-Butylbenzene
 Concen: 15.14 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY004267.D
 Acq: 02 Apr 2021 16:58

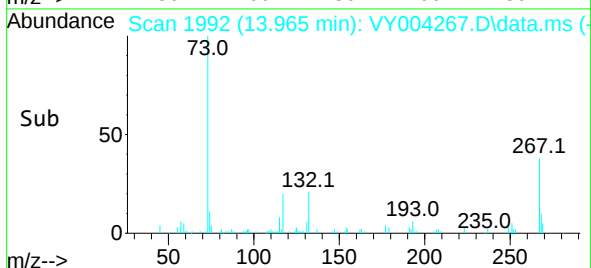
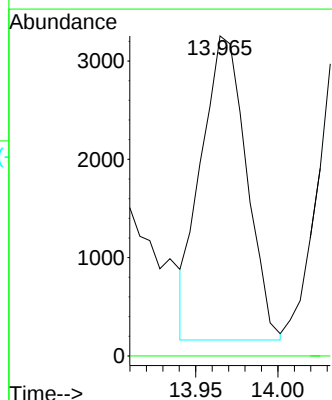
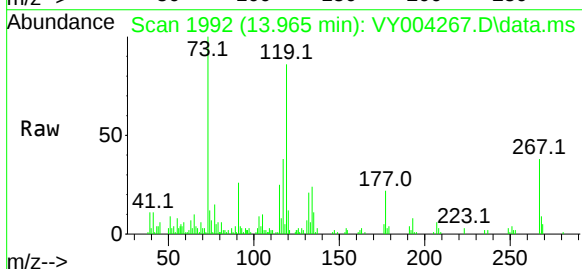
Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-SB-17-12-13

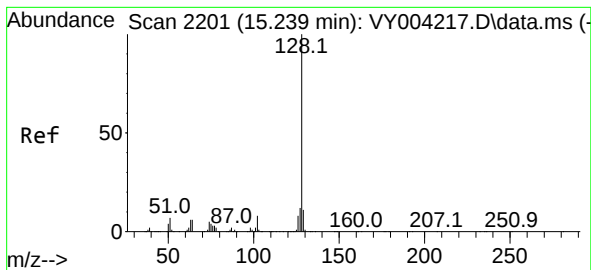
Tgt Ion:105 Resp: 188020
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#



#90
 Hexachloroethane
 Concen: 12.21 ug/l
 RT: 13.965 min Scan# 1992
 Delta R.T. -0.000 min
 Lab File: VY004267.D
 Acq: 02 Apr 2021 16:58

Tgt Ion:117 Resp: 5909
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 385.90 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004267.D
Acq: 02 Apr 2021 16:58

Instrument :
MSVOA_Y
ClientSampleId :
FS-SB-17-12-13

Tgt Ion:128 Resp: 2918412
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.0 8.9 13.3

