

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007356.D
 Acq On : 02 Feb 2022 15:58
 Operator : SY/MD
 Sample : N1303-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CC-5

Quant Time: Feb 02 16:37:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y02022221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 16:01:48 2022
 Response via : Initial Calibration

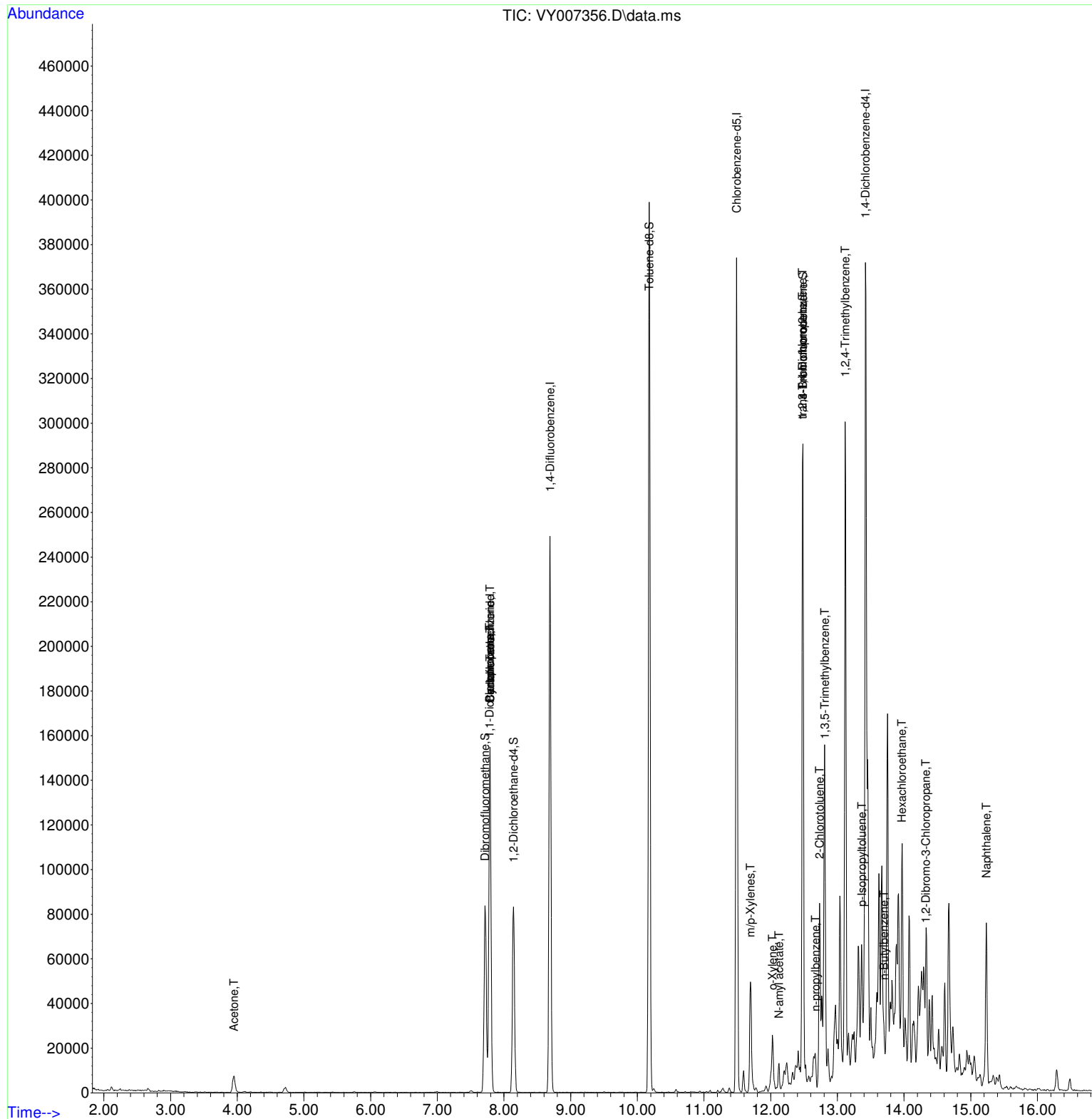
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	111830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	211817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	198011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66573	51.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.50%			
35) Dibromofluoromethane	7.716	113	59414	43.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.36%			
50) Toluene-d8	10.179	98	256666	51.08	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.16%			
62) 4-Bromofluorobenzene	12.483	95	89432	52.36	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.72%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	1343	Below Cal	#	88
11) Tert butyl alcohol	4.948	59	22	Below Cal	#	77
16) Acetone	3.948	43	13032	31.19	ug/l	93
20) Methylene Chloride	4.722	84	1629	Below Cal		84
31) Cyclohexane	7.789	56	2666	1.06	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	9320	3.92	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12255	4.91	ug/l #	15
68) m/p-Xylenes	11.697	106	13372	4.32	ug/l	95
69) o-Xylene	12.026	106	5810	1.98	ug/l	97
74) N-amyl acetate	12.124	43	2474	1.28	ug/l #	72
76) 1,2,3-Trichloropropane	12.477	75	49311	48.06	ug/l #	100
78) n-propylbenzene	12.672	91	11850	1.26	ug/l	96
79) 2-Chlorotoluene	12.733	91	5799	1.11	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	42378	6.67	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	49311	97.58	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	151290	24.20	ug/l	99
86) p-Isopropyltoluene	13.367	119	10934	1.62	ug/l	98
89) n-Butylbenzene	13.696	91	8473	1.30	ug/l #	71
90) Hexachloroethane	13.965	117	3871	3.03	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.324	75	312	1.35	ug/l #	6
95) Naphthalene	15.233	128	54627	15.86	ug/l	98

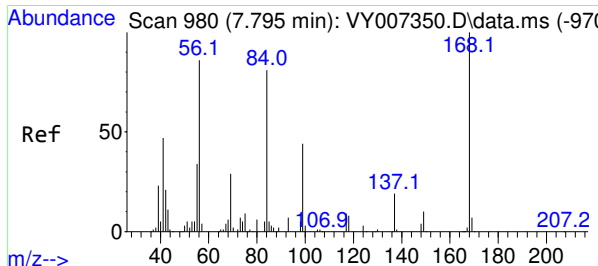
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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CC-5

Quant Time: Feb 02 16:37:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y0202221S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 02 16:01:48 2022
Response via : Initial Calibration

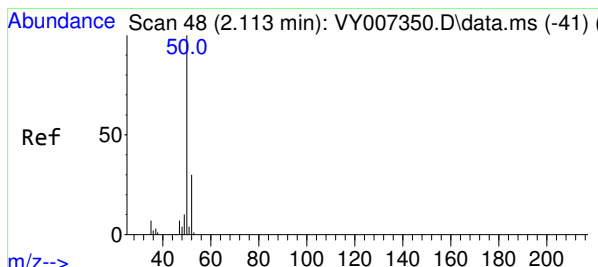
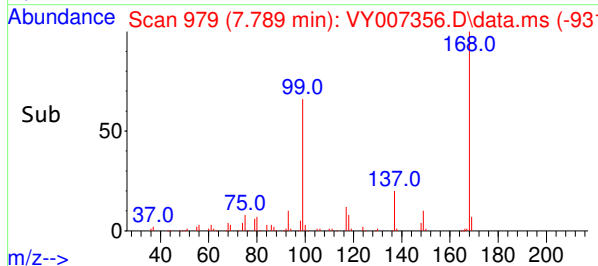
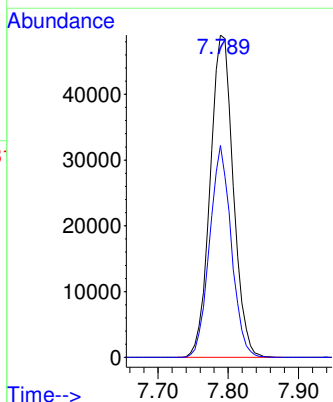
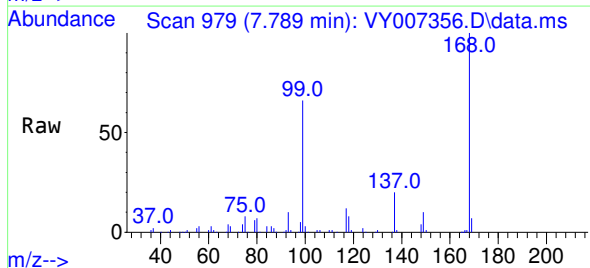




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

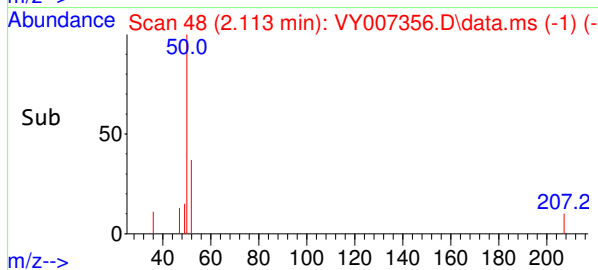
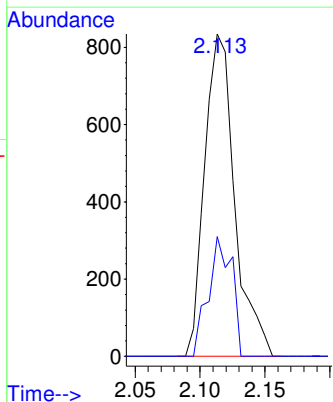
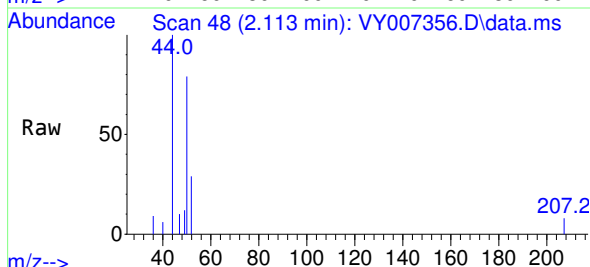
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

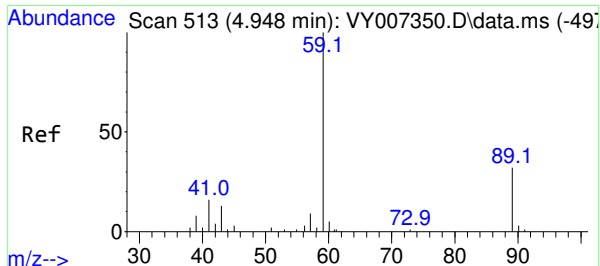
Tgt Ion:168 Resp: 111830
Ion Ratio Lower Upper
168 100
99 65.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 50 Resp: 1343
Ion Ratio Lower Upper
50 100
52 37.1 24.6 37.0#

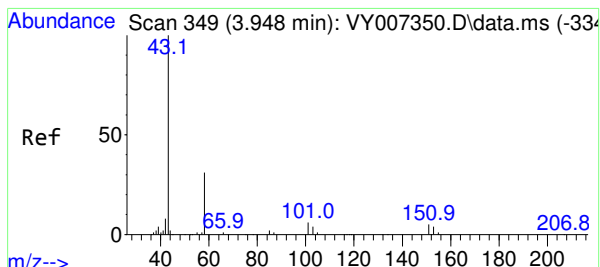
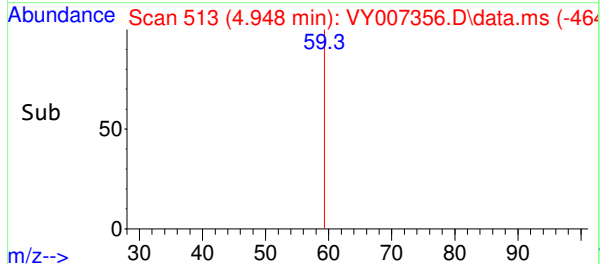
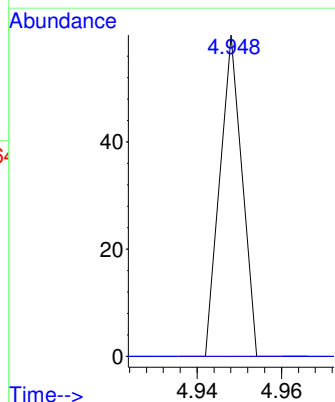
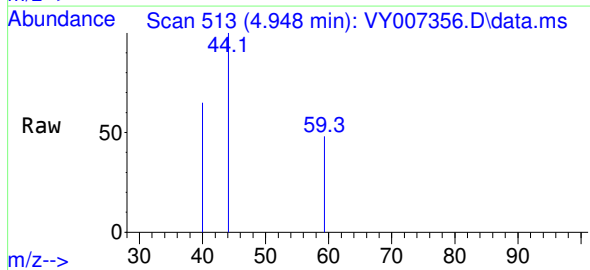




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

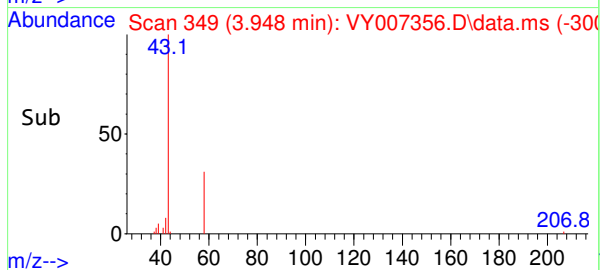
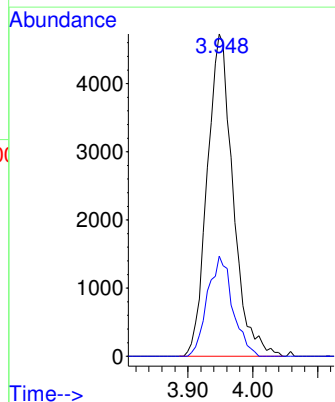
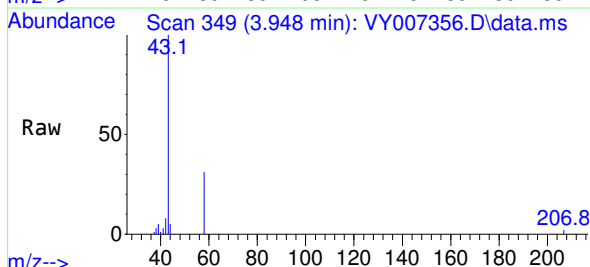
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

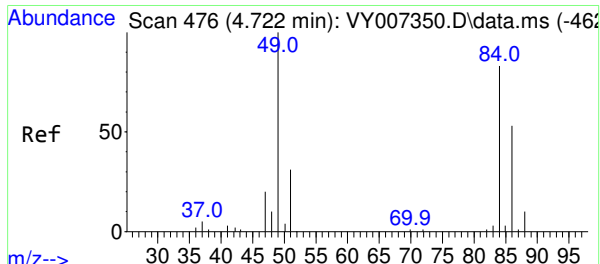
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 31.19 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 43 Resp: 13032
Ion Ratio Lower Upper
43 100
58 31.1 22.0 33.0



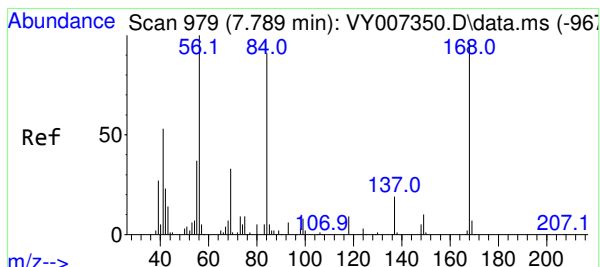
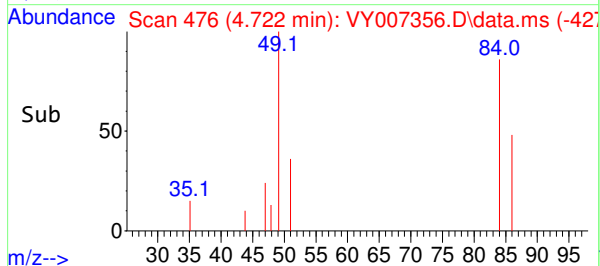
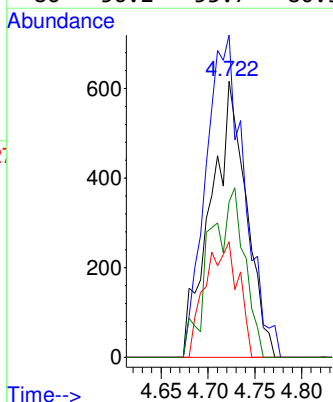
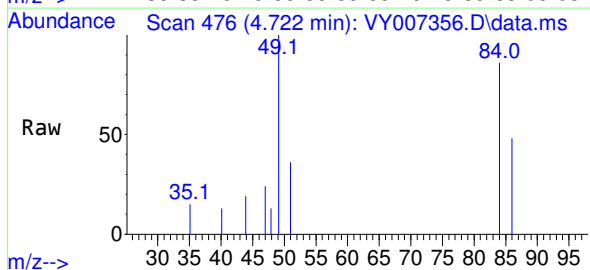


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Instrument :
MSVOA_Y
ClientSampleId :
CC-5

Tgt Ion: 84 Resp: 1629

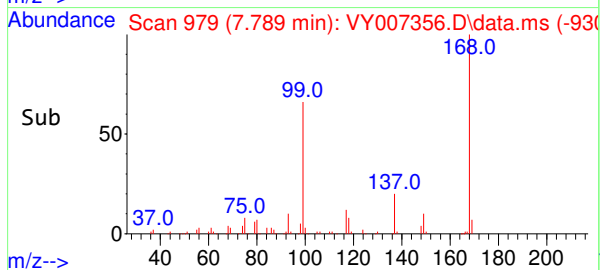
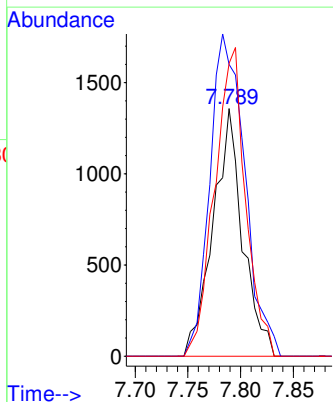
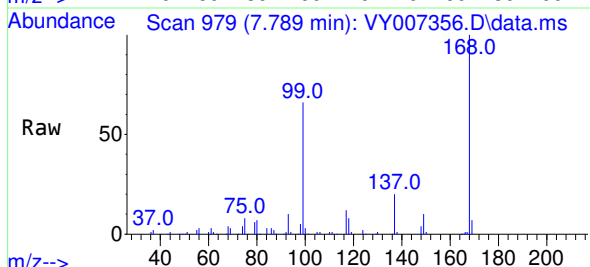
Ion	Ratio	Lower	Upper
84	100		
49	116.7	114.4	171.6
51	41.8	35.3	52.9
86	56.2	53.7	80.5

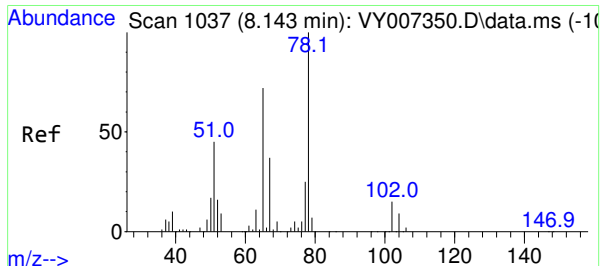


#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 56 Resp: 2666

Ion	Ratio	Lower	Upper
56	100		
69	117.9	26.7	40.1#
84	118.2	67.2	100.8#

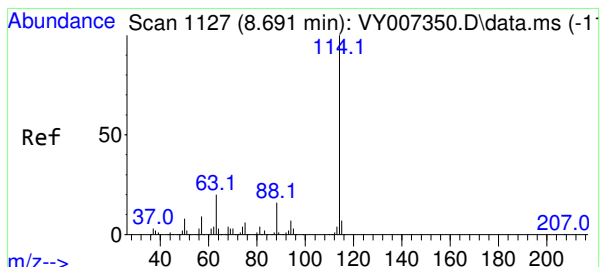
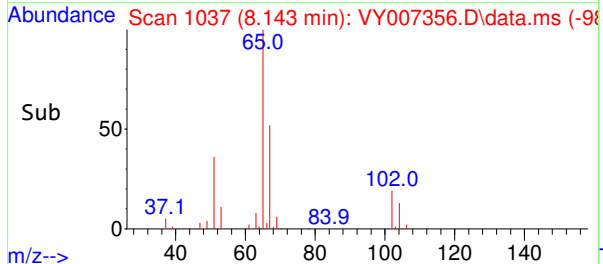
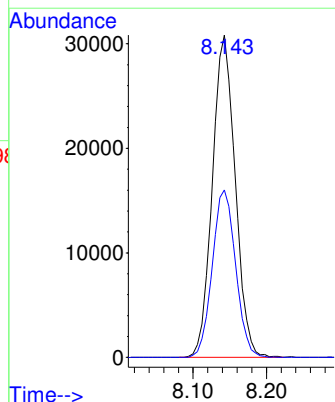
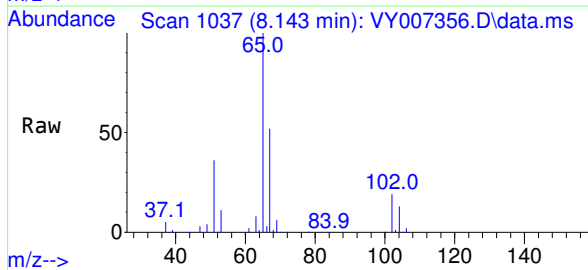




#33
1,2-Dichloroethane-d4
Concen: 51.75 ug/l
RT: 8.143 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

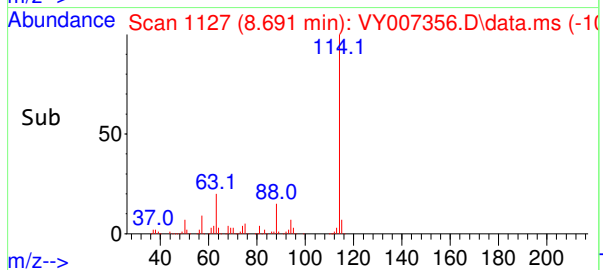
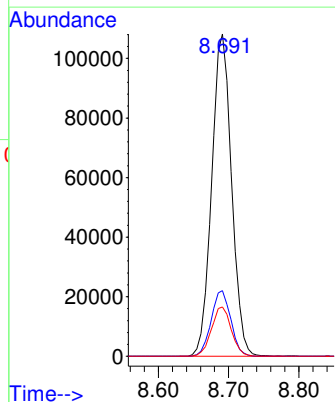
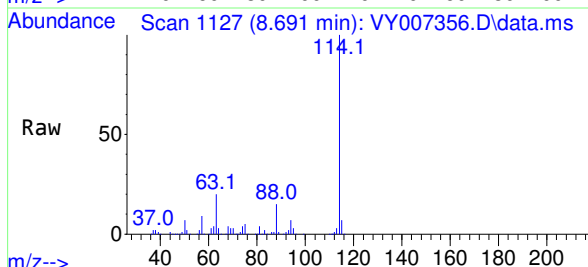
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

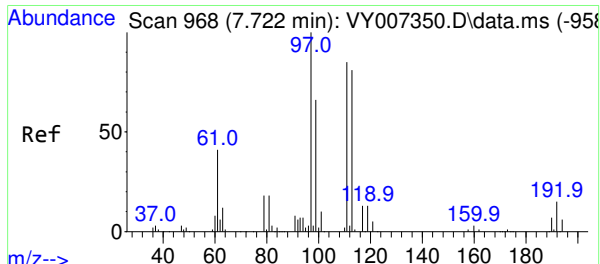
Tgt Ion: 65 Resp: 66573
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 114 Resp: 211817
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 15.3 0.0 31.8

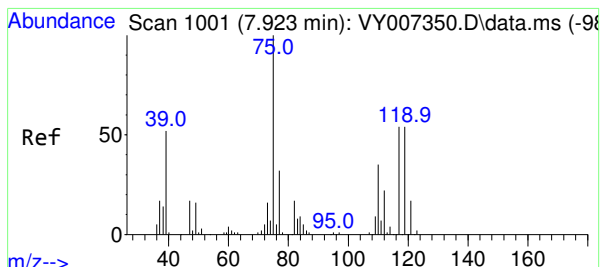
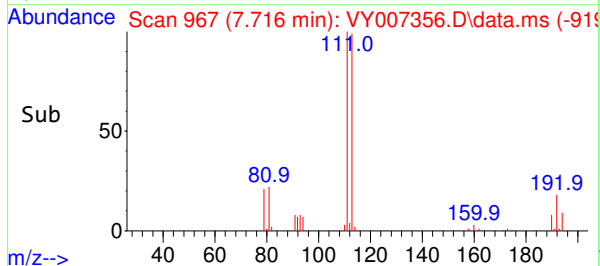
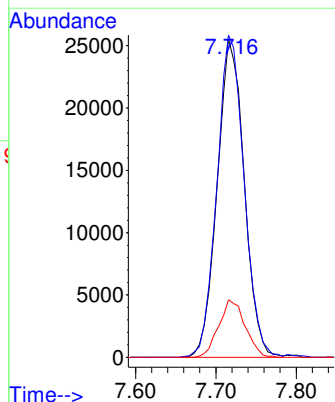
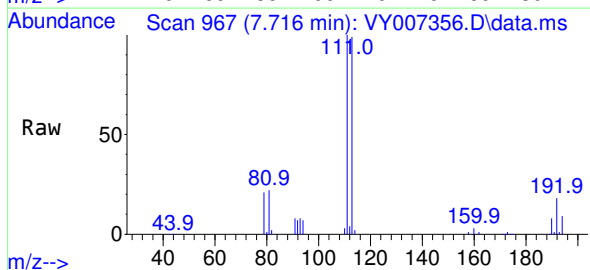




#35
Dibromofluoromethane
Concen: 43.68 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

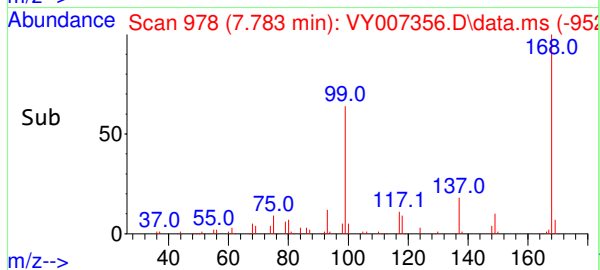
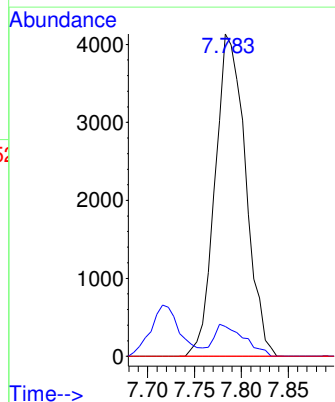
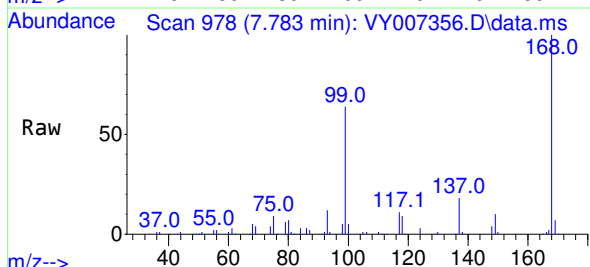
Instrument :
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ClientSampleId :
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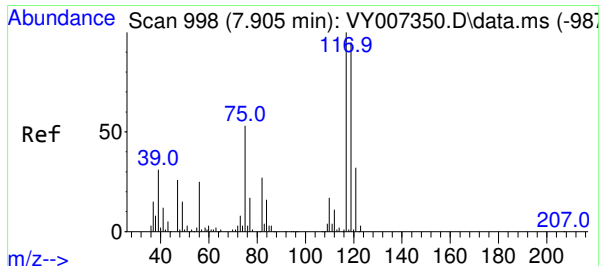
Tgt Ion: 113 Resp: 59414
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 17.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.92 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 75 Resp: 9320
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

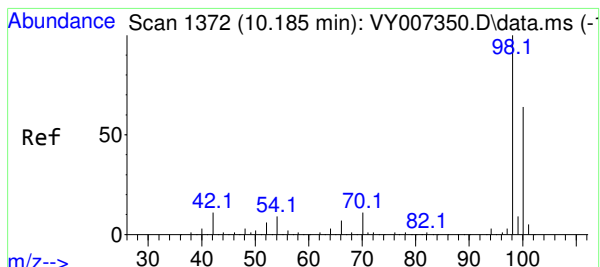
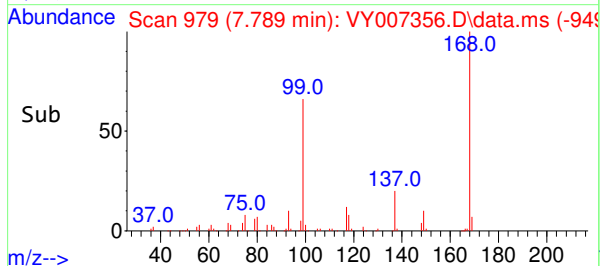
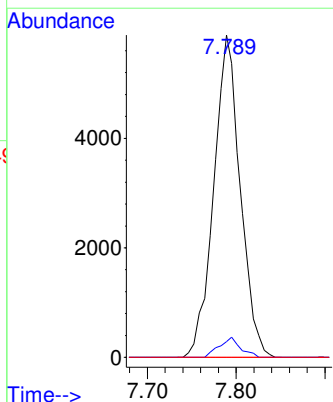
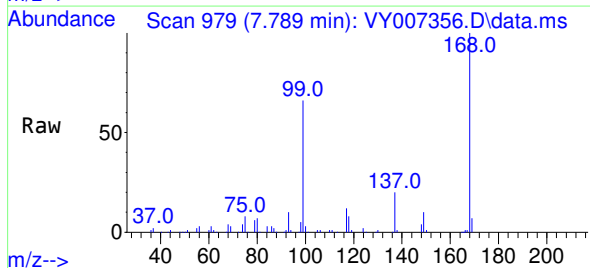




#38
Carbon Tetrachloride
Concen: 4.91 ug/l
RT: 7.789 min Scan# 998
Delta R.T. -0.116 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

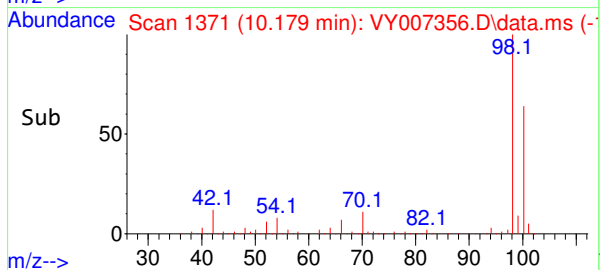
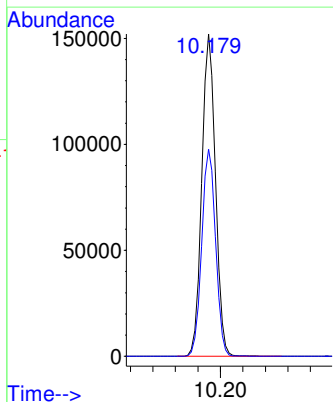
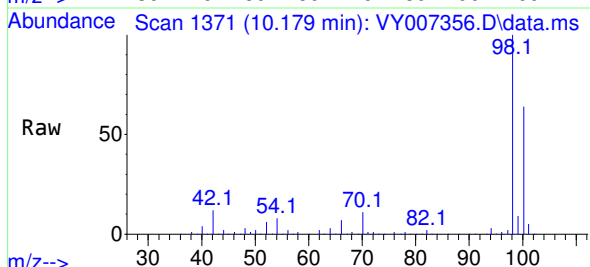
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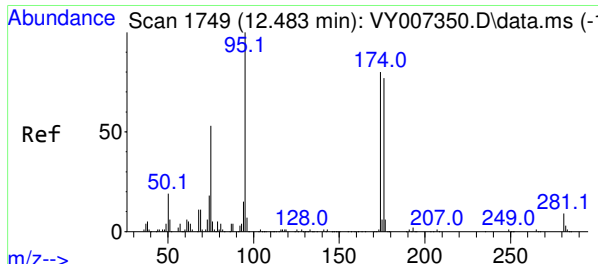
Tgt Ion: 117 Resp: 12255
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 98 Resp: 256666
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

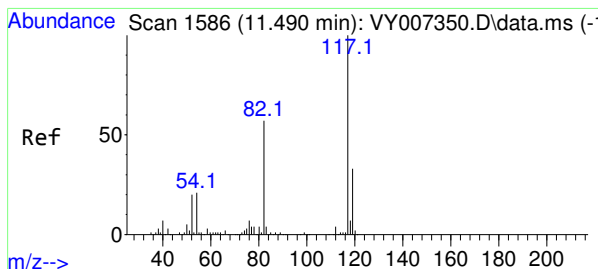
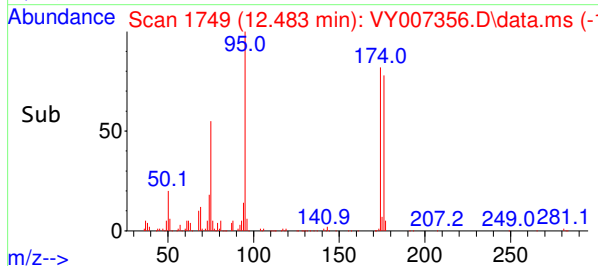
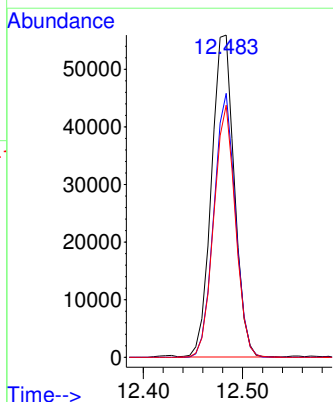
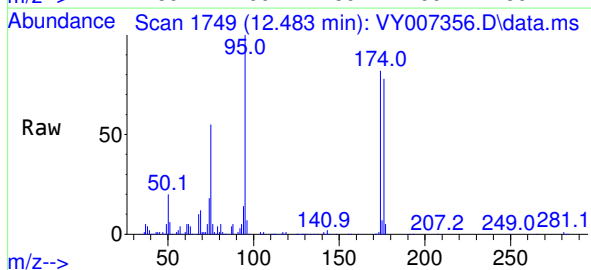




#62
4-Bromofluorobenzene
Concen: 52.36 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

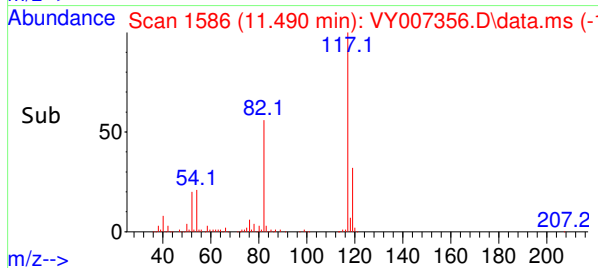
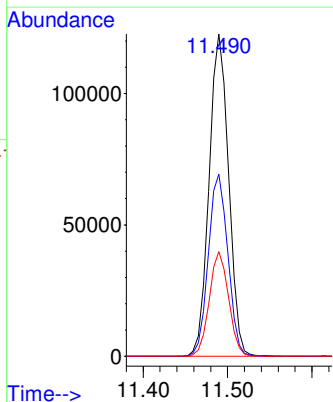
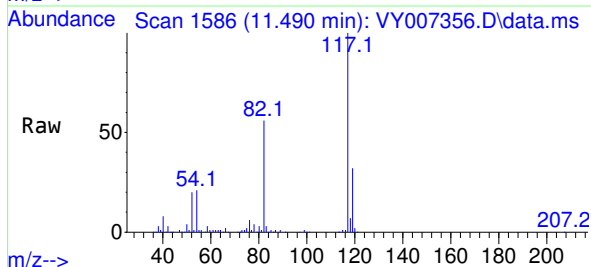
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

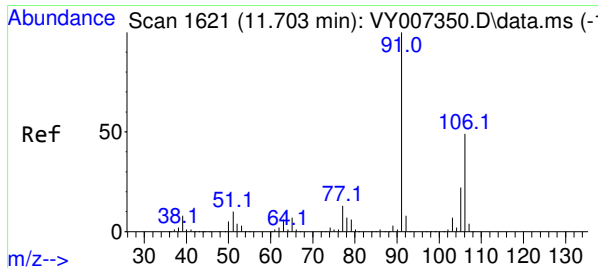
Tgt Ion:	95	Resp:	89432
Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	177.0
176	74.5	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion:	117	Resp:	198011
Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.0	64.4
119	32.4	25.4	38.0

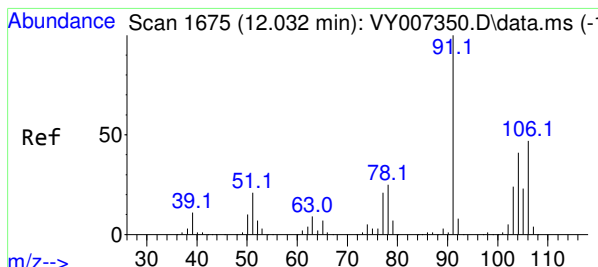
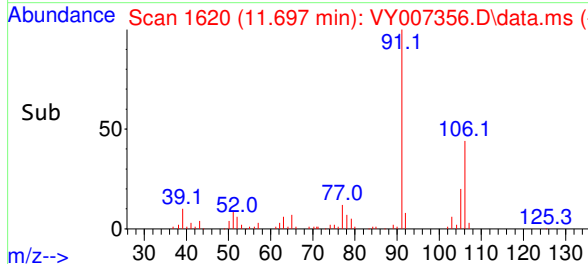
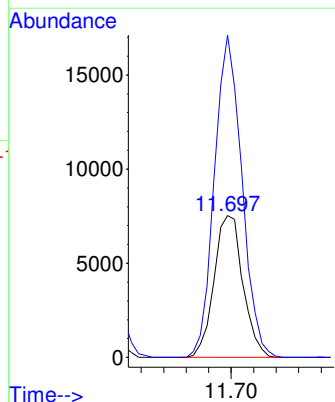
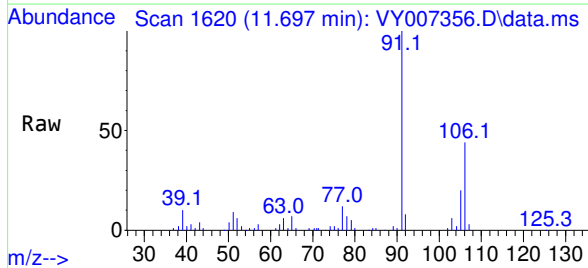




#68
m/p-Xylenes
Concen: 4.32 ug/l
RT: 11.697 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

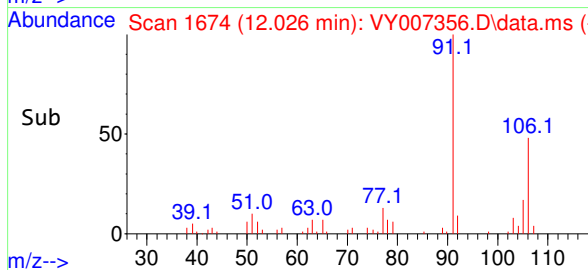
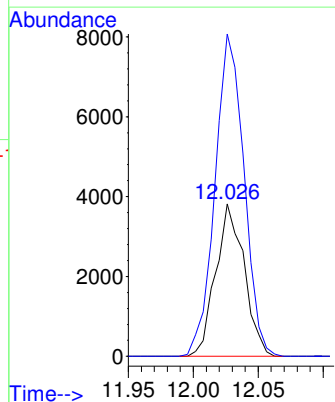
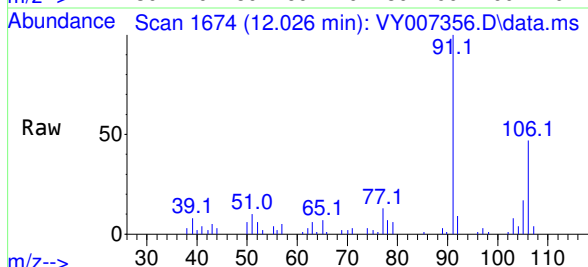
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

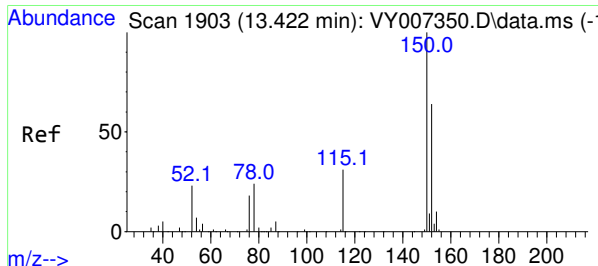
Tgt Ion:106 Resp: 13372
Ion Ratio Lower Upper
106 100
91 216.5 166.6 249.8



#69
o-Xylene
Concen: 1.98 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion:106 Resp: 5810
Ion Ratio Lower Upper
106 100
91 216.2 110.3 331.0

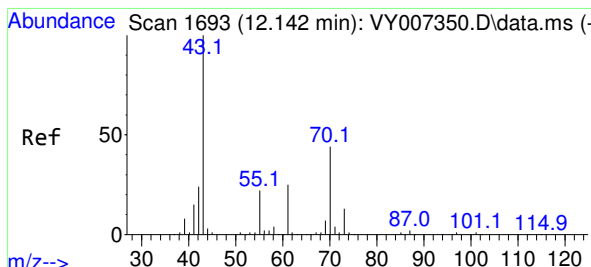
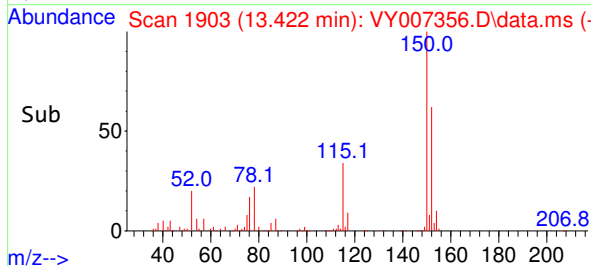
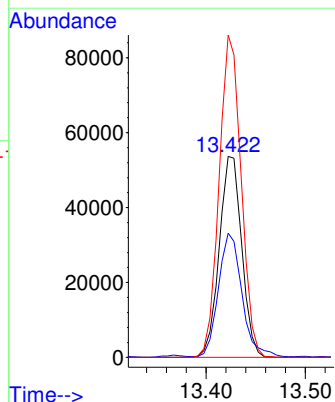
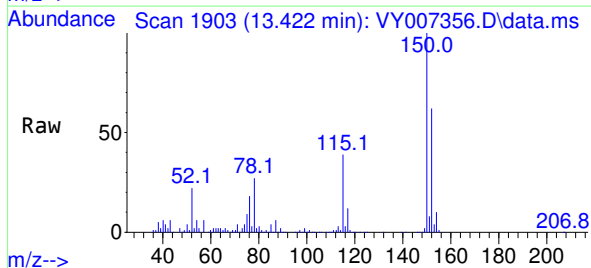




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

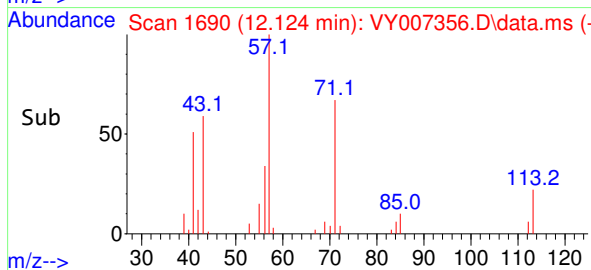
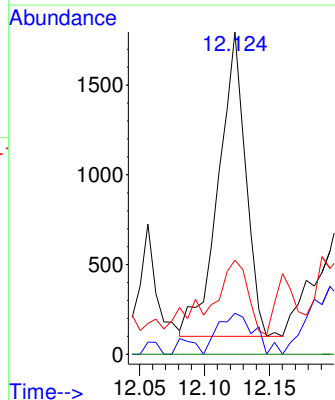
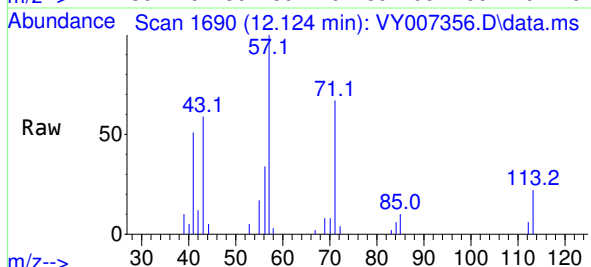
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

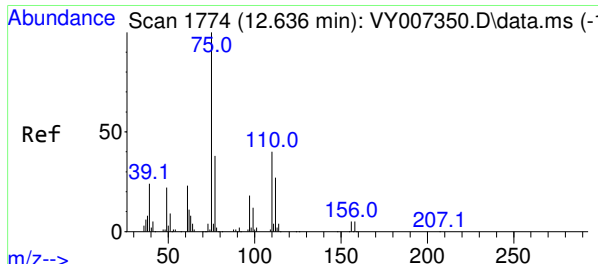
Tgt Ion:152 Resp: 85165
Ion Ratio Lower Upper
152 100
115 63.9 28.2 84.7
150 156.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.28 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 43 Resp: 2474
Ion Ratio Lower Upper
43 100
70 18.1 28.7 43.1#
55 24.8 17.3 25.9
61 0.0 17.0 25.6#

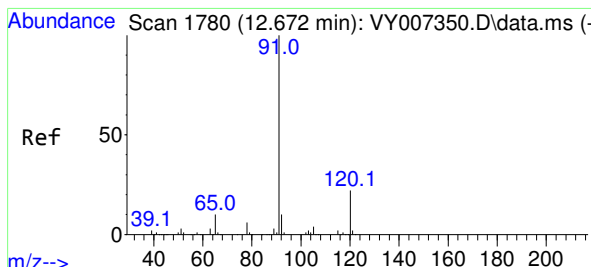
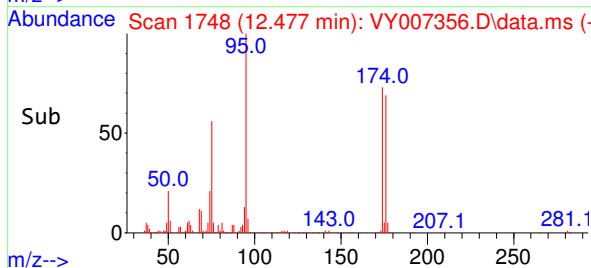
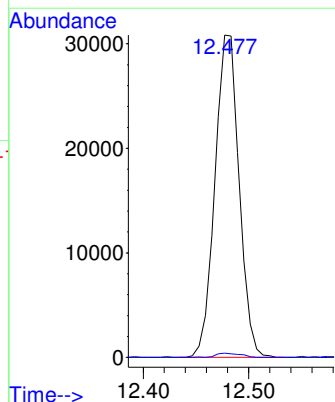
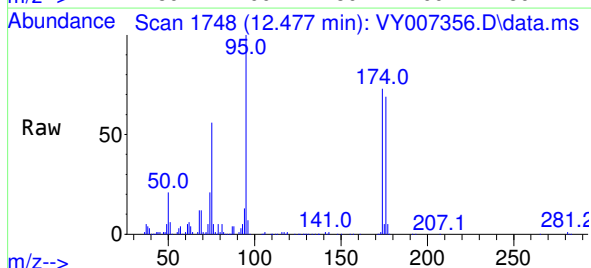




#76
1,2,3-Trichloropropane
Concen: 48.06 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.158 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

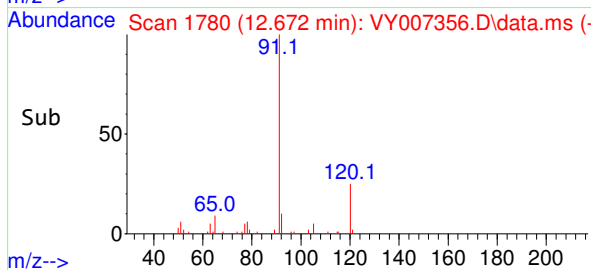
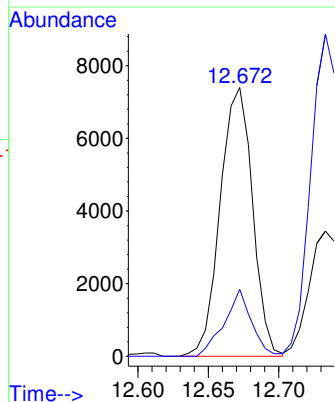
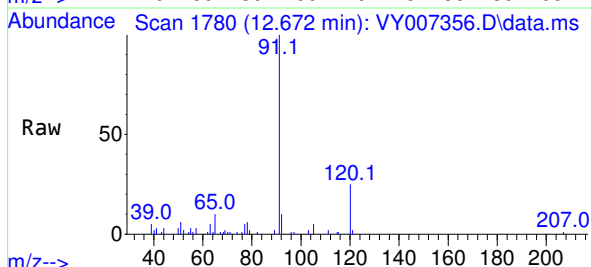
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

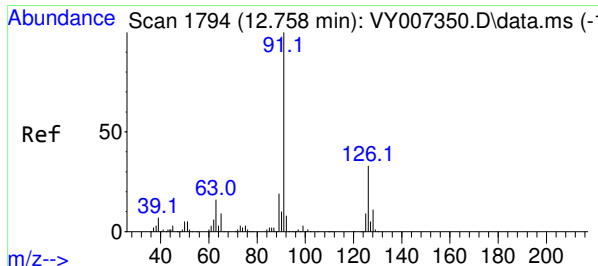
Tgt Ion: 75 Resp: 49311
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#78
n-propylbenzene
Concen: 1.26 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 91 Resp: 11850
Ion Ratio Lower Upper
91 100
120 20.9 11.3 33.9

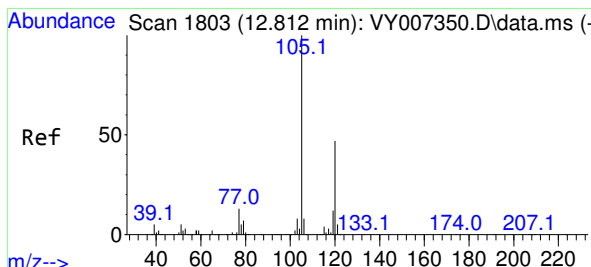
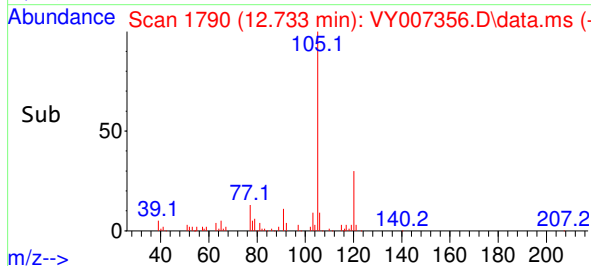
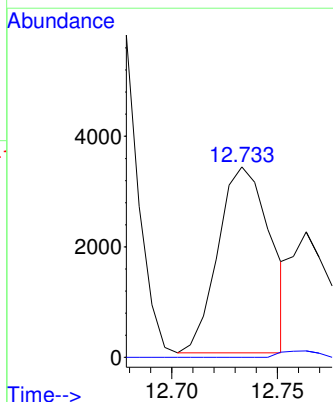
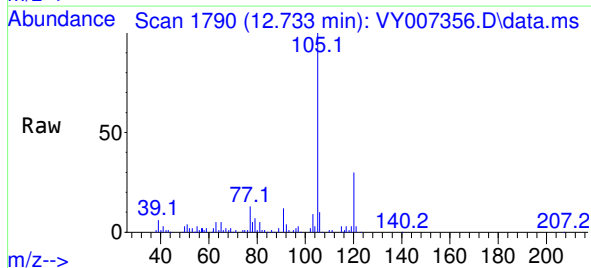




#79
2-Chlorotoluene
Concen: 1.11 ug/l
RT: 12.733 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

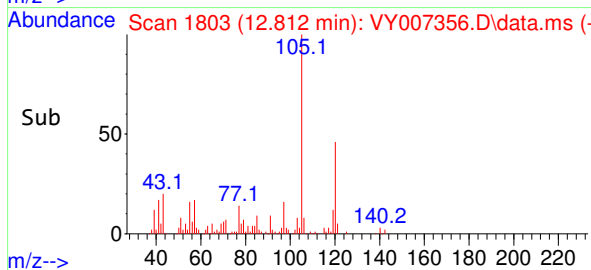
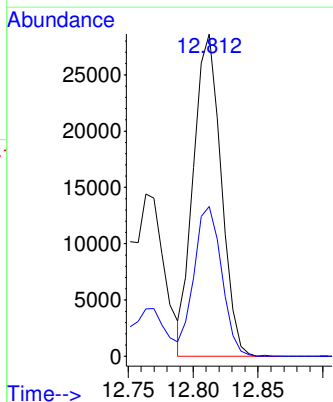
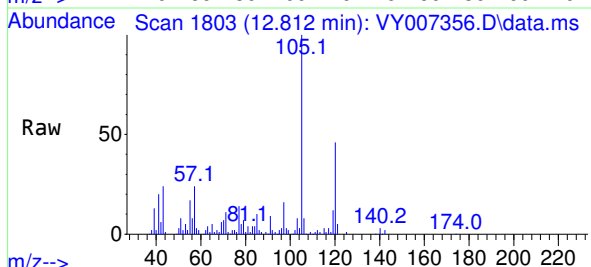
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

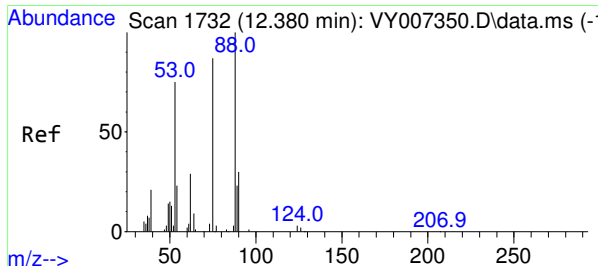
Tgt Ion: 91 Resp: 5799
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#80
1,3,5-Trimethylbenzene
Concen: 6.67 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion:105 Resp: 42378
Ion Ratio Lower Upper
105 100
120 46.5 24.4 73.4

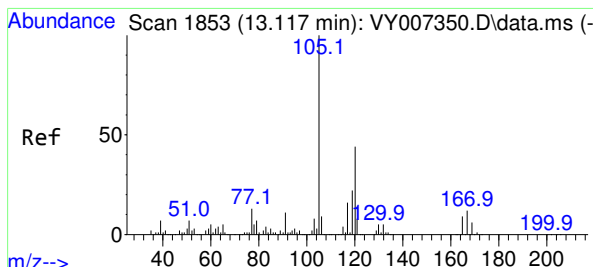
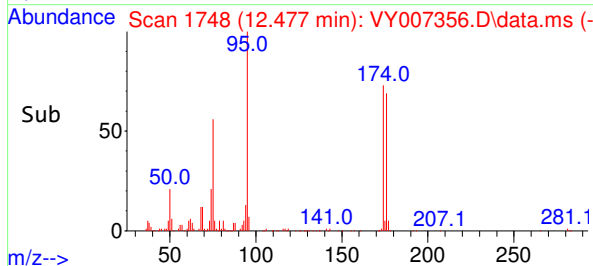
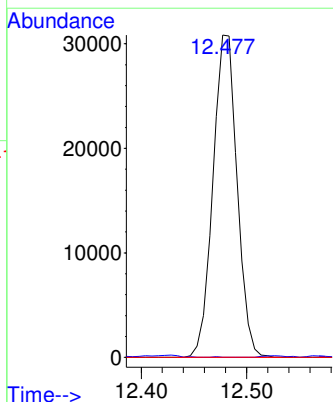
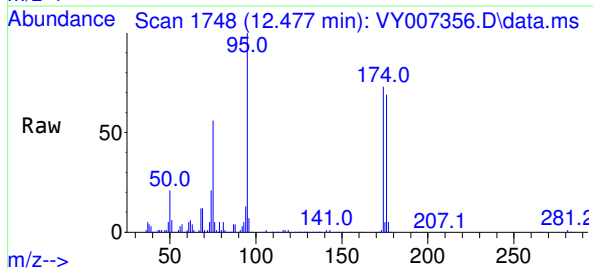




#81
trans-1,4-Dichloro-2-butene
Concen: 97.58 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.098 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

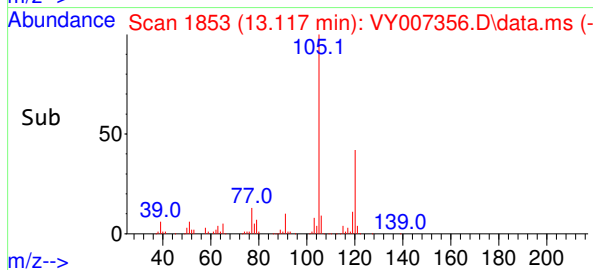
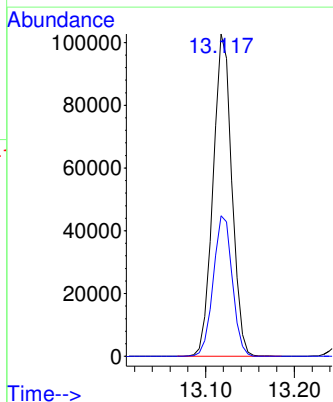
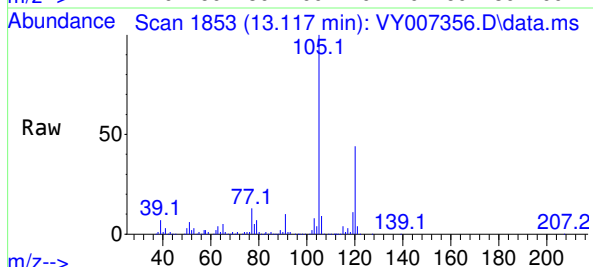
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

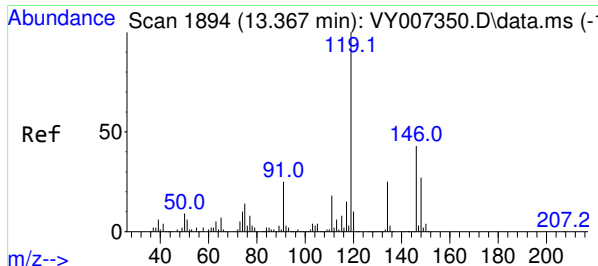
Tgt Ion: 75 Resp: 49311
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 24.20 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 105 Resp: 151290
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.9

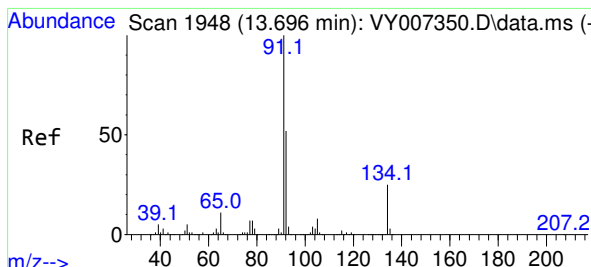
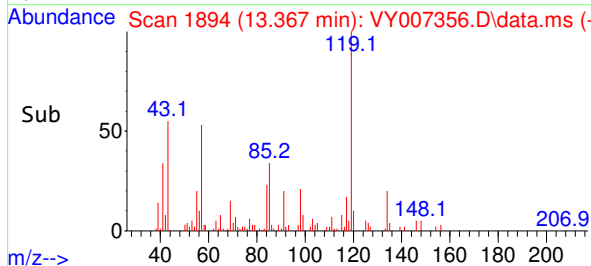
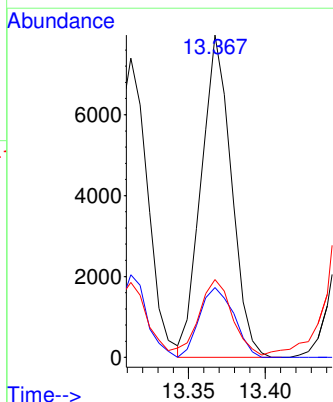
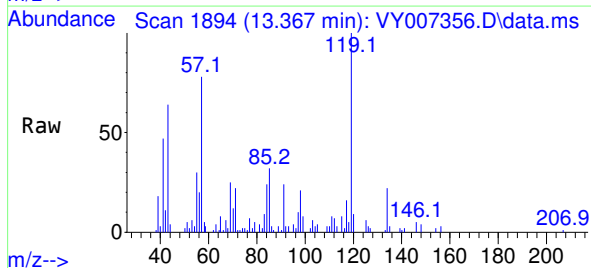




#86
p-Isopropyltoluene
Concen: 1.62 ug/l
RT: 13.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

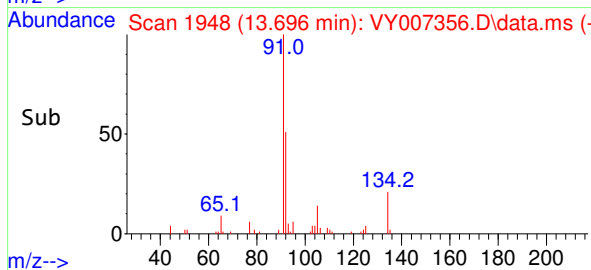
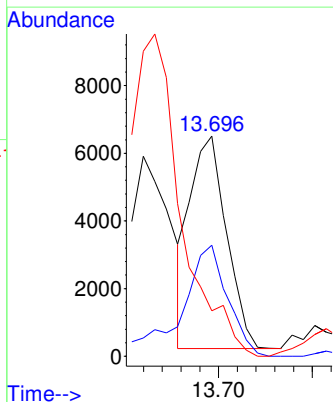
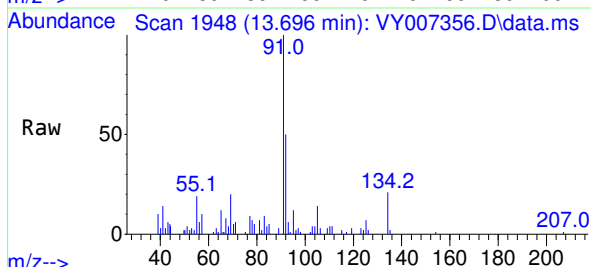
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

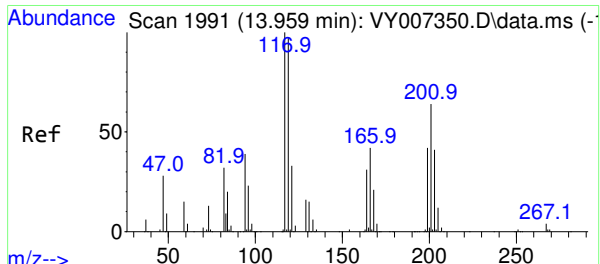
Tgt Ion:	119	Resp:	10934
Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.2	39.5
91	25.5	12.4	37.2



#89
n-Butylbenzene
Concen: 1.30 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion:	91	Resp:	8473
Ion	Ratio	Lower	Upper
91	100		
92	65.9	26.3	78.9
134	0.0	13.0	38.9#

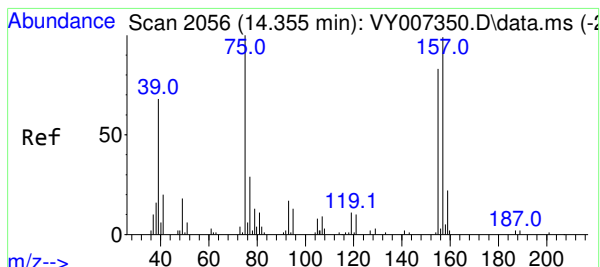
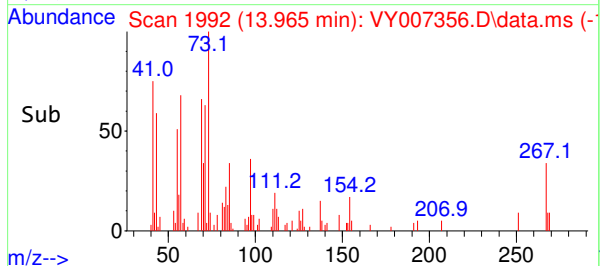
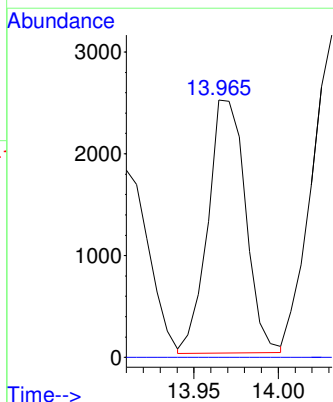
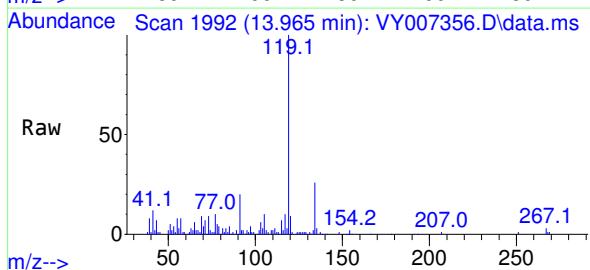




#90
Hexachloroethane
Concen: 3.03 ug/l
RT: 13.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

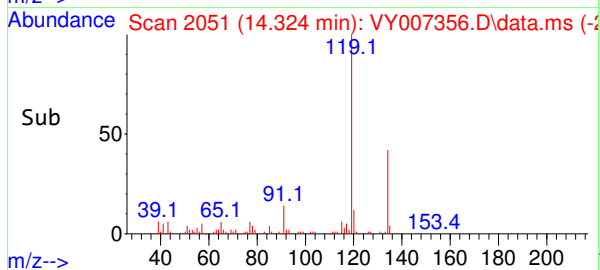
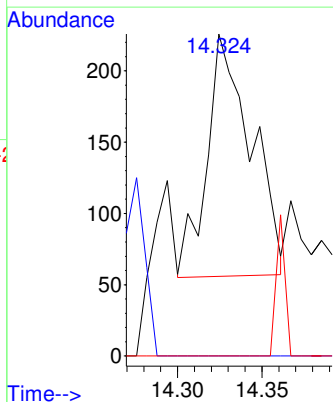
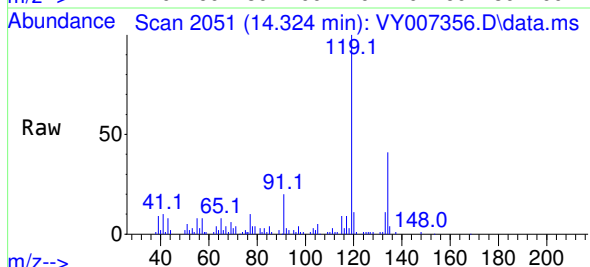
Instrument :
MSVOA_Y
ClientSampleId :
CC-5

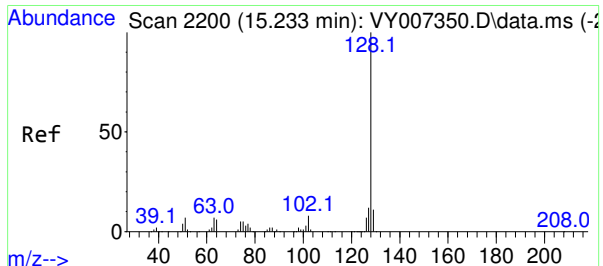
Tgt Ion: 117 Resp: 3871
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.35 ug/l
RT: 14.324 min Scan# 2051
Delta R.T. -0.030 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Tgt Ion: 75 Resp: 312
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95
Naphthalene
Concen: 15.86 ug/l
RT: 15.233 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY007356.D
Acq: 02 Feb 2022 15:58

Instrument :
MSVOA_Y
ClientSampleId :
CC-5

Tgt Ion:128 Resp: 54627
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.4
129 11.4 8.4 12.6

