

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004443.D
 Acq On : 15 Apr 2021 16:08
 Operator : SY/MD
 Sample : M2048-03
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:05:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

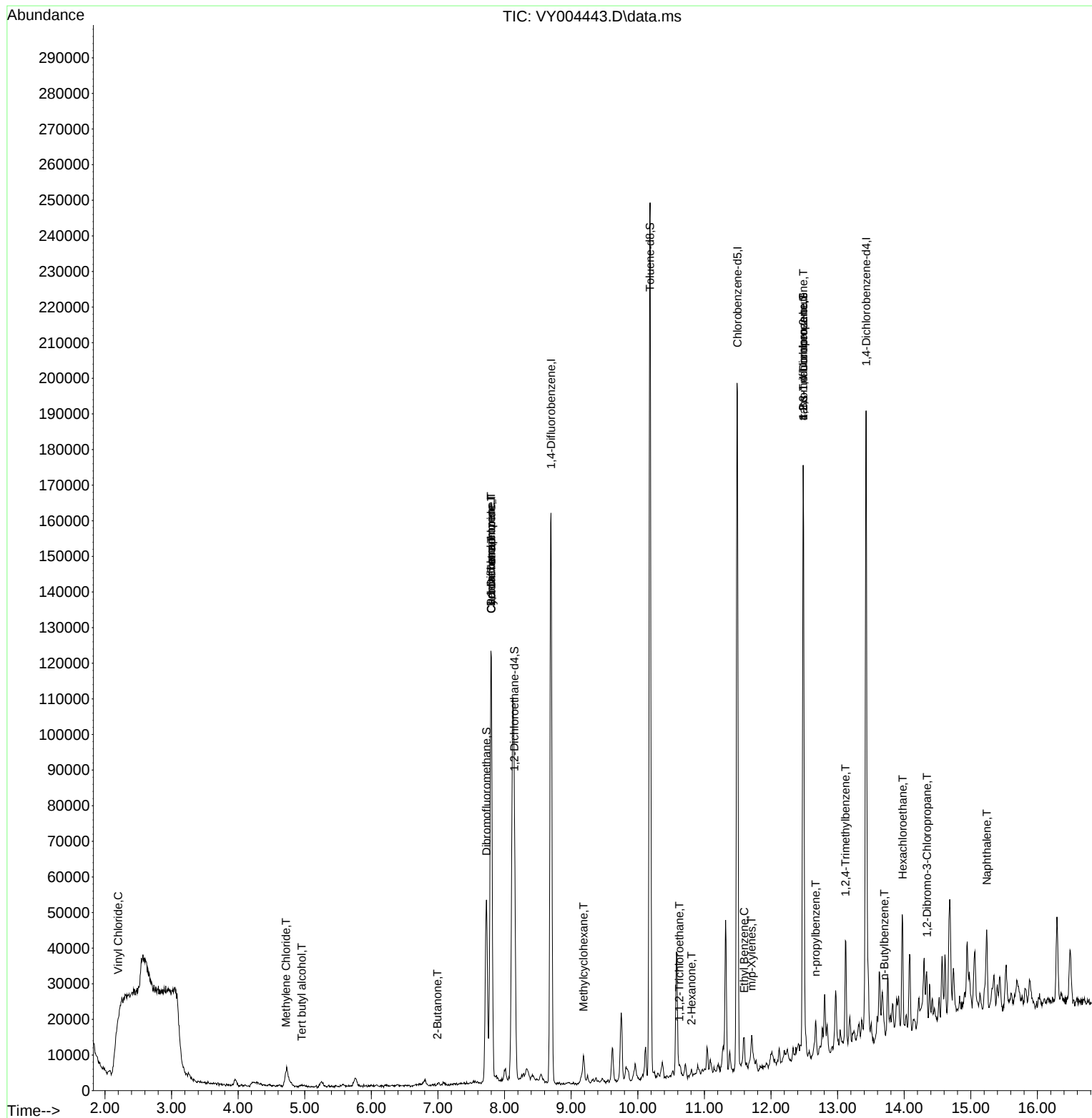
Internal Standards						
1) Pentafluorobenzene	7.795	168	91373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	135595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	102784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	36003	35.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	70.92%		
35) Dibromofluoromethane	7.728	113	36132	48.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.04%		
50) Toluene-d8	10.185	98	155029	48.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.86%		
62) 4-Bromofluorobenzene	12.483	95	44571	41.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.08%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.199	62	7863	6.08	ug/l #	43
11) Tert butyl alcohol	4.954	59	1195	11.94	ug/l #	73
16) Acetone	3.954	43	3048	Below Cal		98
20) Methylene Chloride	4.716	84	3370	3.44	ug/l #	70
25) 2-Butanone	6.990	43	612	1.58	ug/l #	50
31) Cyclohexane	7.801	56	2999	1.61	ug/l #	33
36) 1,1-Dichloropropene	7.795	75	7380	5.48	ug/l #	51
38) Carbon Tetrachloride	7.801	117	8849	7.60	ug/l #	16
39) Methylcyclohexane	9.185	83	2773	1.67	ug/l	95
55) 1,1,2-Trichloroethane	10.624	97	846	1.15	ug/l #	34
59) 2-Hexanone	10.807	43	1025	1.81	ug/l #	27
67) Ethyl Benzene	11.599	91	5839	1.49	ug/l	93
68) m/p-Xylenes	11.709	106	1536	1.05	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	23559	52.40	ug/l #	100
78) n-propylbenzene	12.672	91	7399	1.93	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	23559	93.74	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	15848	5.97	ug/l	99
89) n-Butylbenzene	13.703	91	3492	1.28	ug/l #	71
90) Hexachloroethane	13.977	117	1597	4.17	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.343	75	192	1.75	ug/l #	2
95) Naphthalene	15.239	128	15472	8.95	ug/l #	96

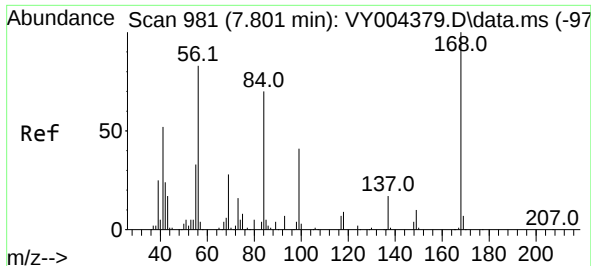
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

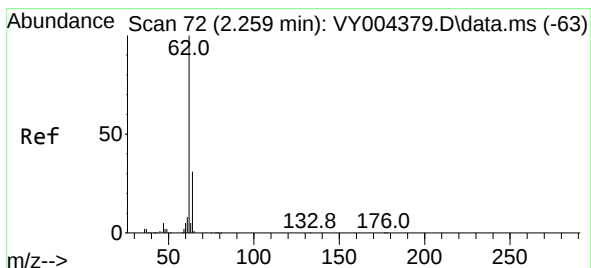
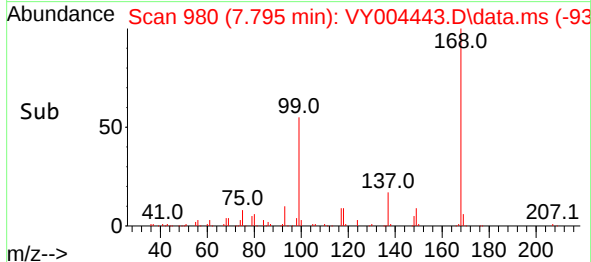
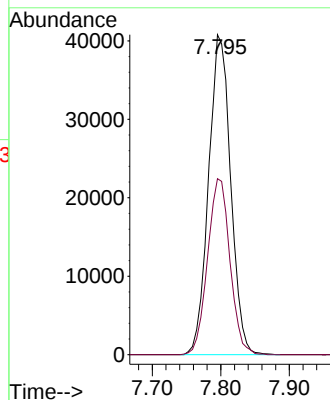
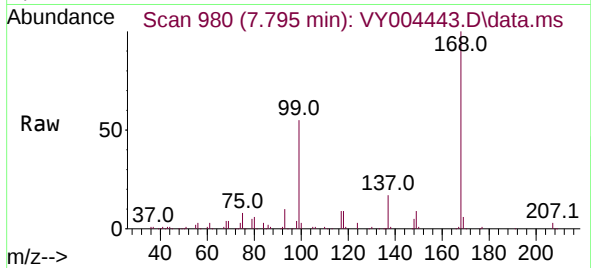




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

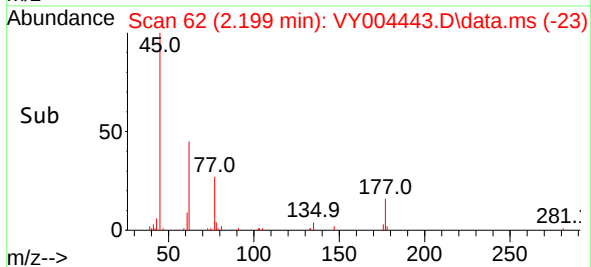
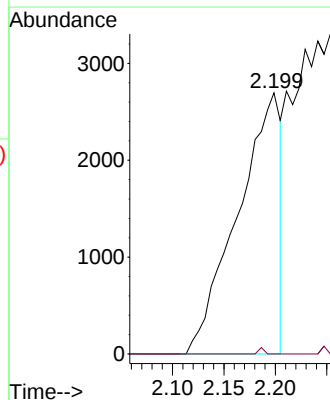
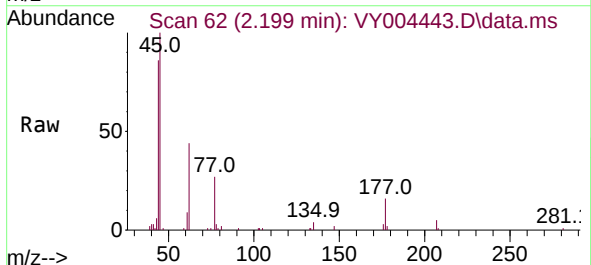
Instrument :
MSVOA_Y
ClientSampleId :

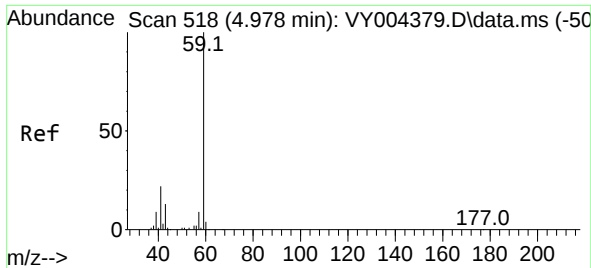
Tgt Ion:168 Resp: 91373
Ion Ratio Lower Upper
168 100
99 55.0 45.5 68.3



#4
Vinyl Chloride
Concen: 6.08 ug/l
RT: 2.199 min Scan# 62
Delta R.T. -0.061 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

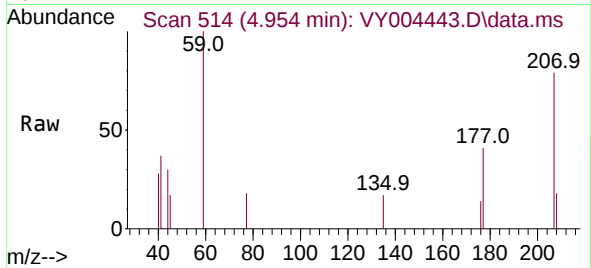
Tgt Ion: 62 Resp: 7863
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



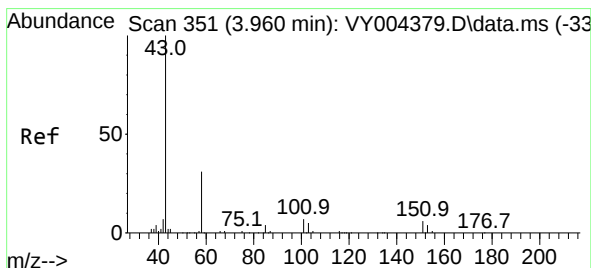
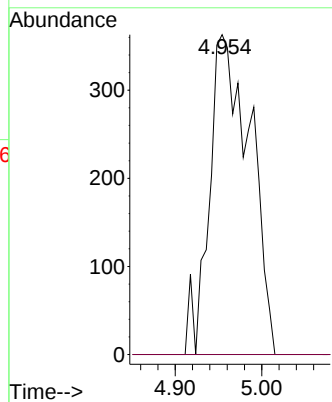
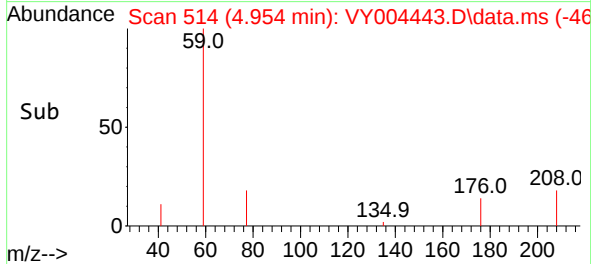


#11
Tert butyl alcohol
Concen: 11.94 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

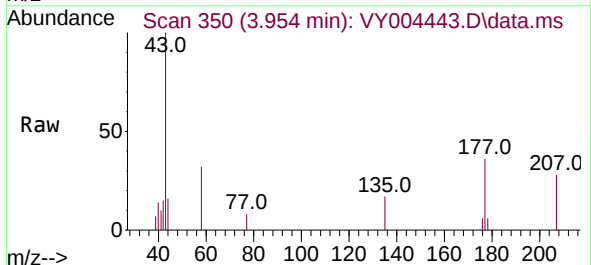
Instrument :
MSVOA_Y
ClientSampled :



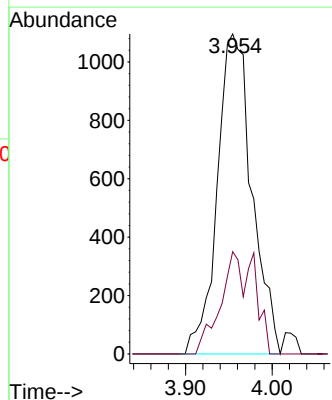
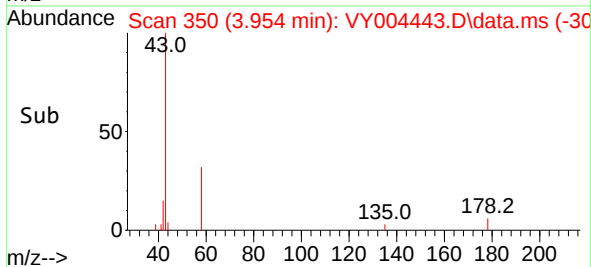
Tgt Ion: 59 Resp: 1195
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

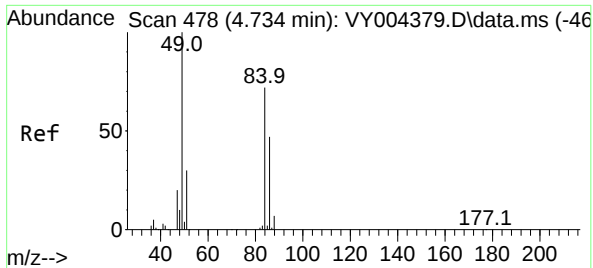


#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08



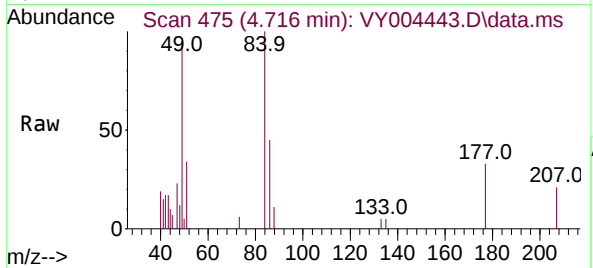
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 31.9 24.6 37.0



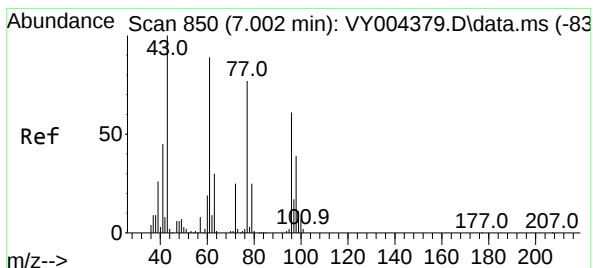
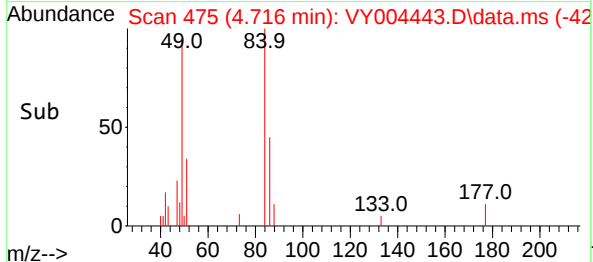
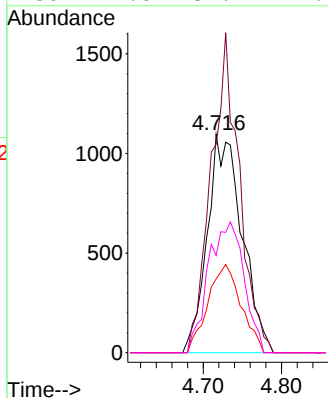


#20
Methylene Chloride
Concen: 3.44 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampled :

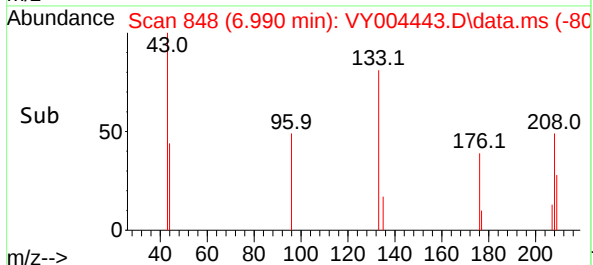
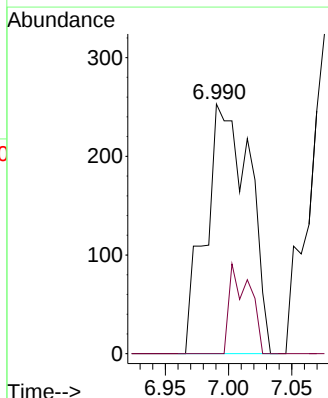
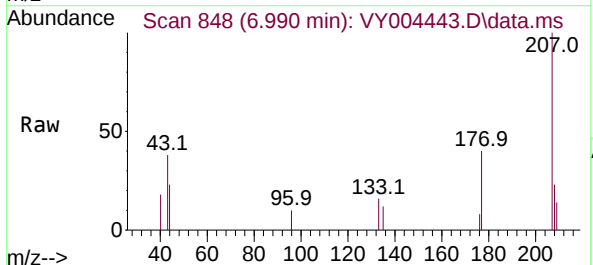


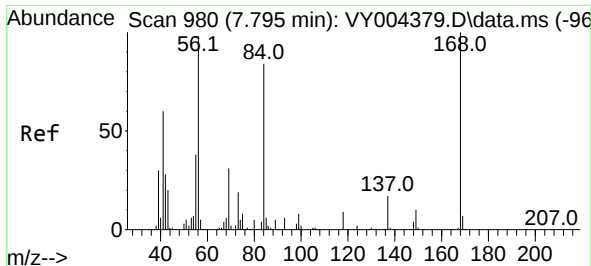
Tgt Ion:	84	Resp:	3370
Ion	Ratio	Lower	Upper
84	100		
49	95.4	111.2	166.8#
51	33.8	33.4	50.2
86	44.6	52.7	79.1#



#25
2-Butanone
Concen: 1.58 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

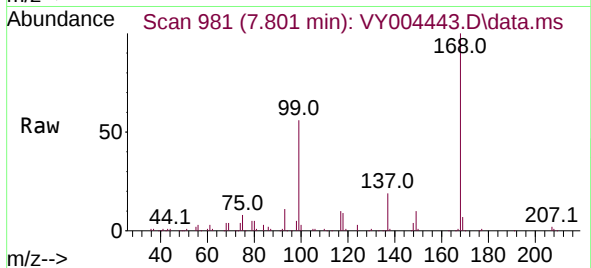
Tgt Ion:	43	Resp:	612
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.2#



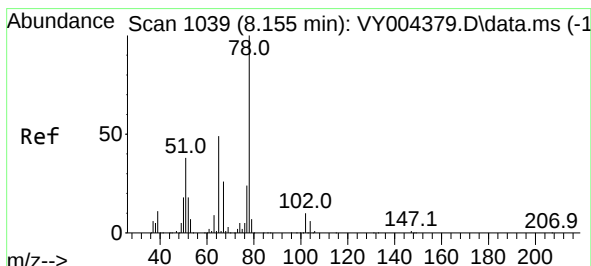
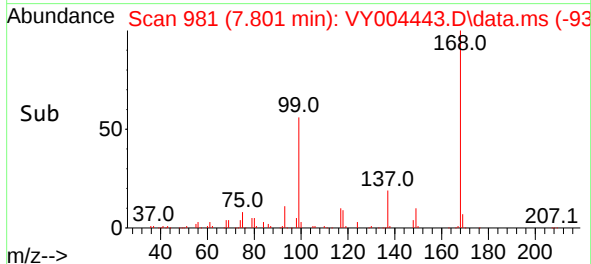
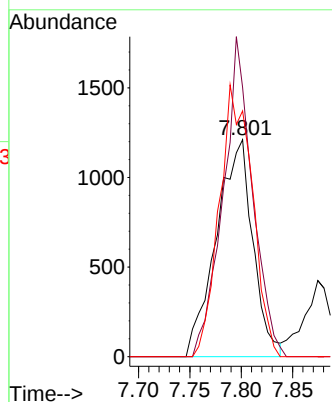


#31
Cyclohexane
Concen: 1.61 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampled :

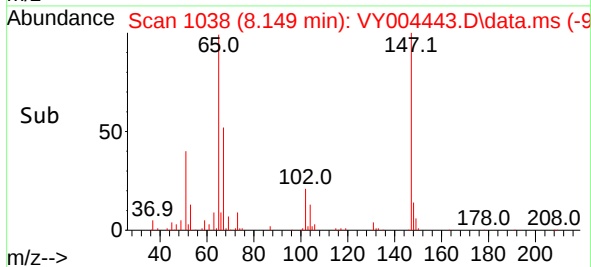
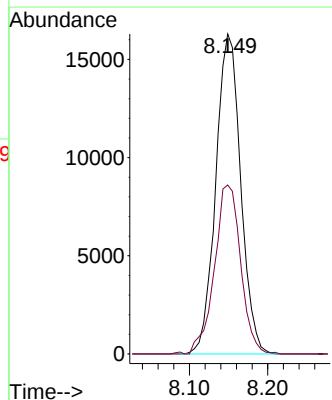
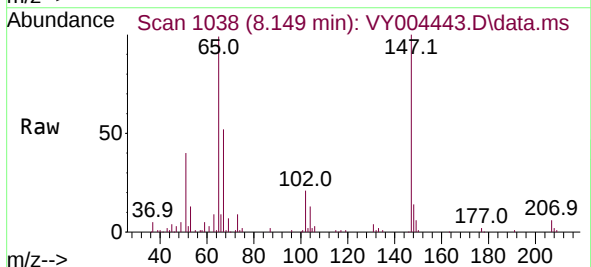


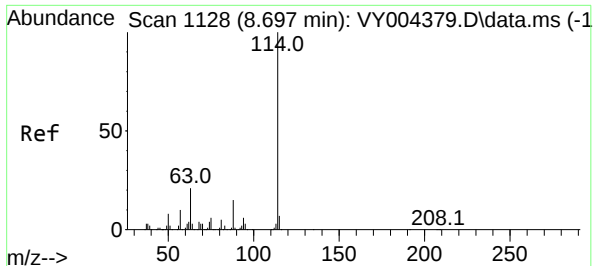
Tgt Ion: 56 Resp: 2999
Ion Ratio Lower Upper
56 100
69 124.1 25.8 38.6#
84 113.3 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 35.46 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion: 65 Resp: 36003
Ion Ratio Lower Upper
65 100
67 55.7 0.0 106.4

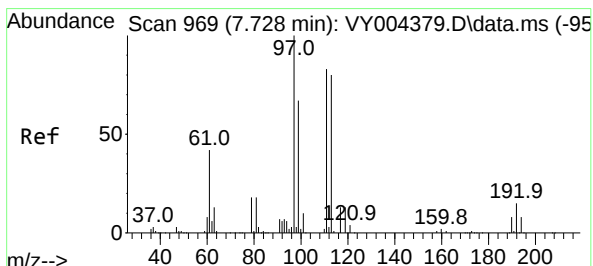
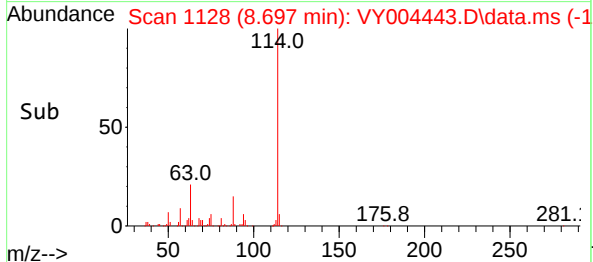
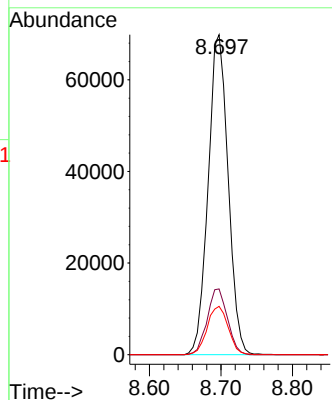
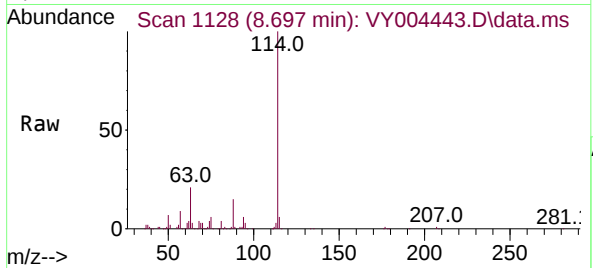




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

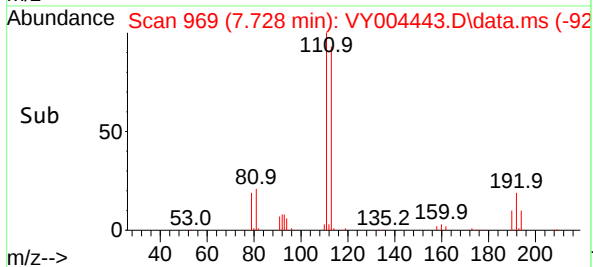
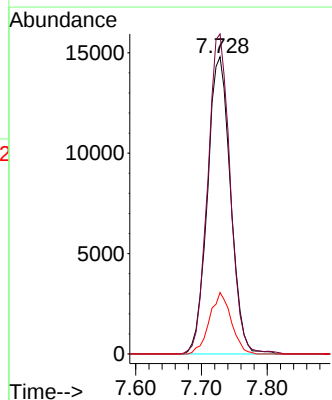
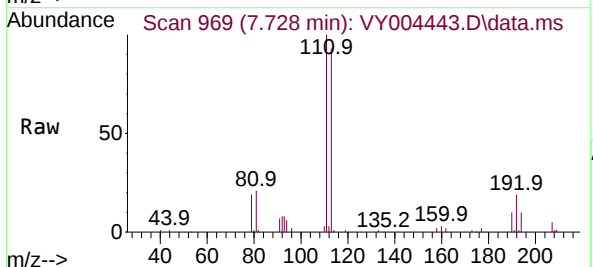
Instrument :
MSVOA_Y
ClientSampled :

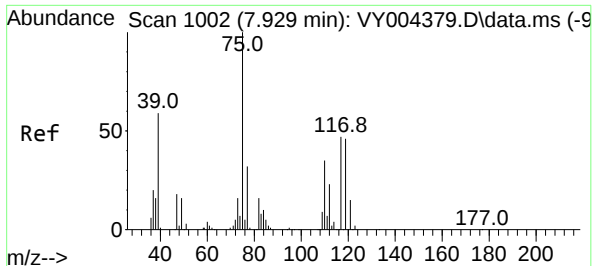
Tgt Ion:	114	Resp:	135595
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	42.4
88	15.1	0.0	30.8



#35
Dibromofluoromethane
Concen: 48.02 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion:	113	Resp:	36132
Ion Ratio	Lower	Upper	
113	100		
111	104.8	82.6	123.8
192	19.5	16.1	24.1





#36

1,1-Dichloropropene

Concen: 5.48 ug/l

RT: 7.795 min Scan# 980

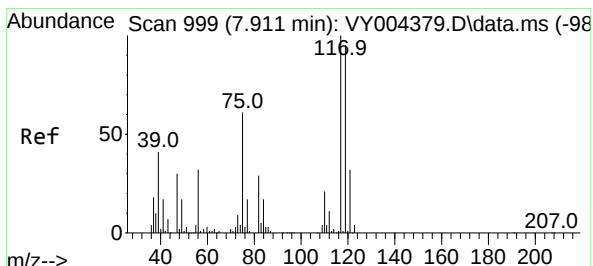
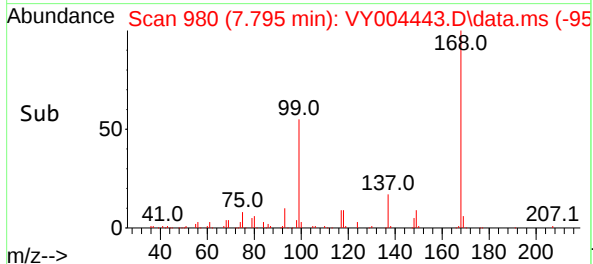
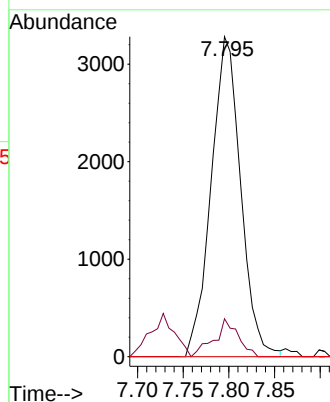
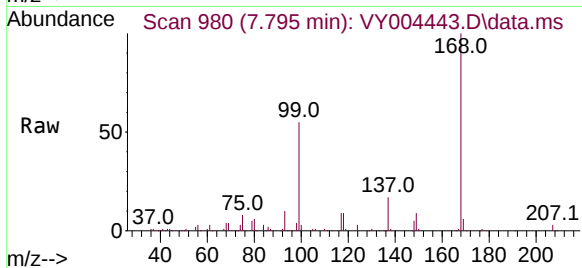
Delta R.T. -0.134 min

Lab File: VY004443.D

Acq: 15 Apr 2021 16:08

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ClientSampled :

Tgt Ion:	75	Resp:	7380
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	51.7#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 7.60 ug/l

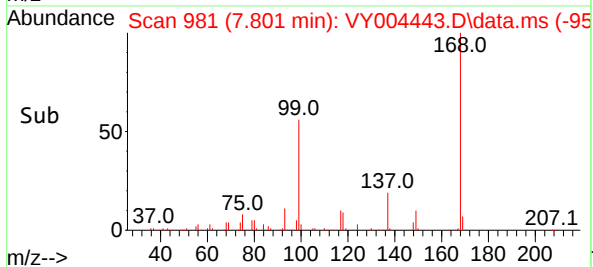
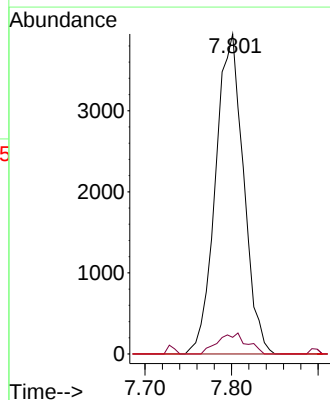
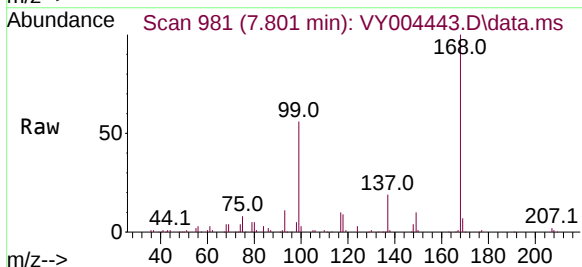
RT: 7.801 min Scan# 981

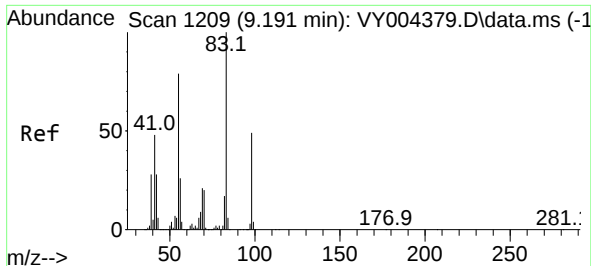
Delta R.T. -0.109 min

Lab File: VY004443.D

Acq: 15 Apr 2021 16:08

Tgt Ion:	117	Resp:	8849
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.8#
121	0.0	25.3	37.9#





#39

Methylcyclohexane

Concen: 1.67 ug/l

RT: 9.185 min Scan# 1208

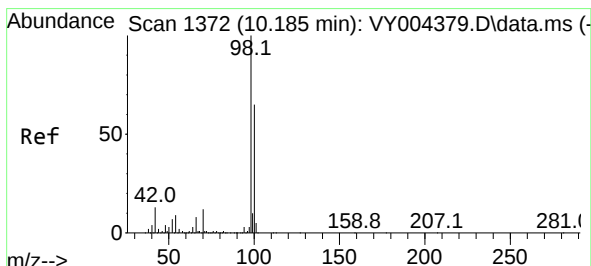
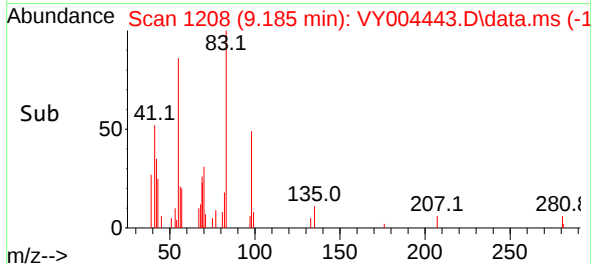
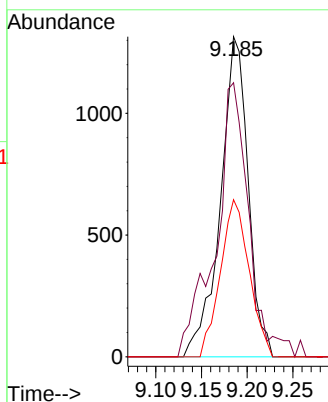
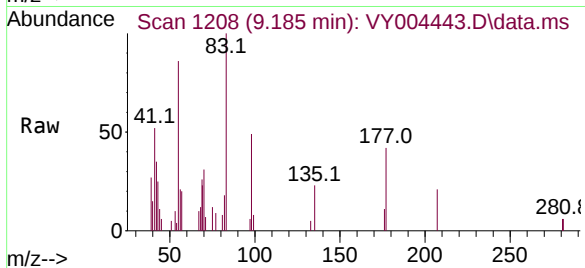
Delta R.T. -0.006 min

Lab File: VY004443.D

Acq: 15 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 83	Resp: 2773
Ion Ratio	Lower Upper
83 100	
55 85.6	63.0 94.4
98 49.0	39.2 58.8



#50

Toluene-d8

Concen: 48.43 ug/l

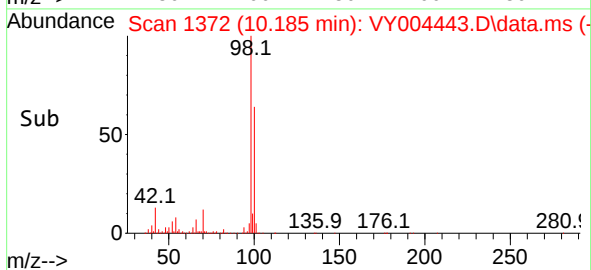
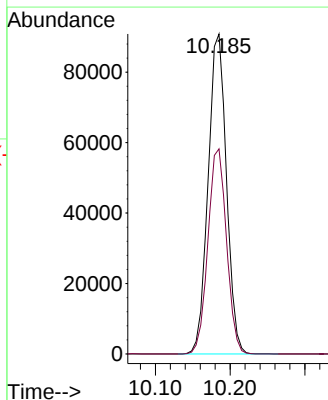
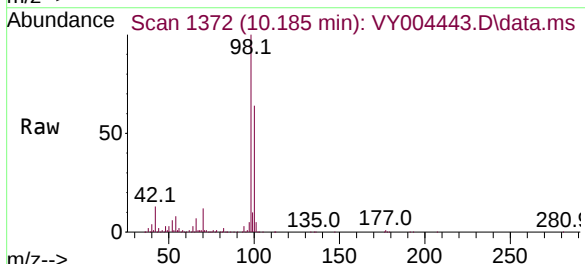
RT: 10.185 min Scan# 1372

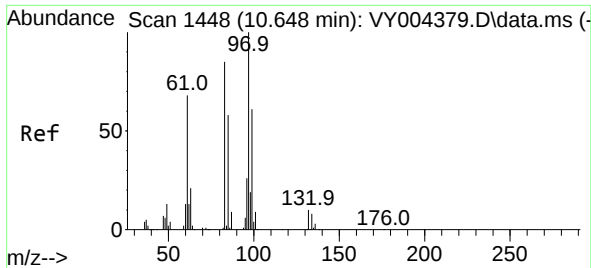
Delta R.T. 0.000 min

Lab File: VY004443.D

Acq: 15 Apr 2021 16:08

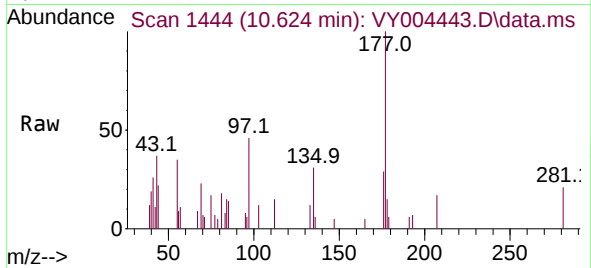
Tgt Ion: 98	Resp: 155029
Ion Ratio	Lower Upper
98 100	
100 65.1	51.8 77.6



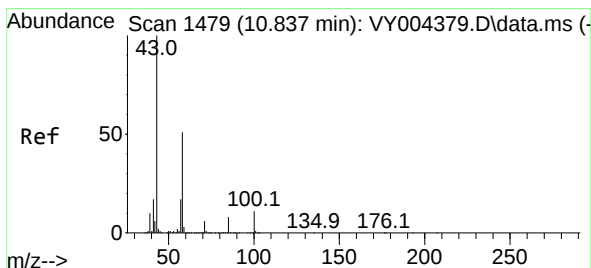
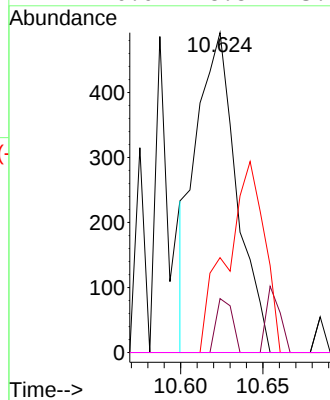
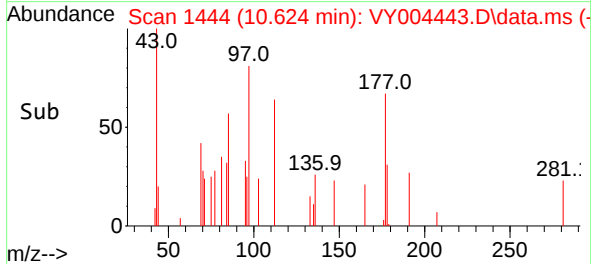


#55
1,1,2-Trichloroethane
Concen: 1.15 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

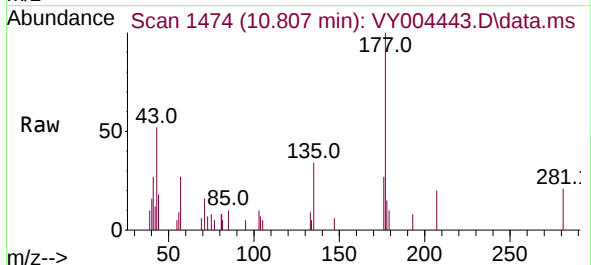
Instrument :
MSVOA_Y
ClientSampled :



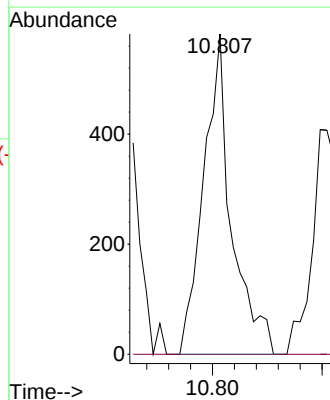
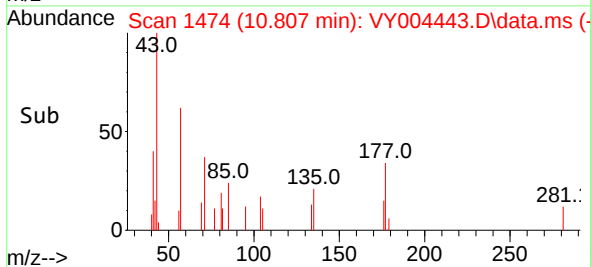
Tgt Ion: 97 Resp: 846
Ion Ratio Lower Upper
97 100
83 16.9 68.4 102.6#
85 29.7 46.2 69.4#
99 0.0 48.8 73.2#

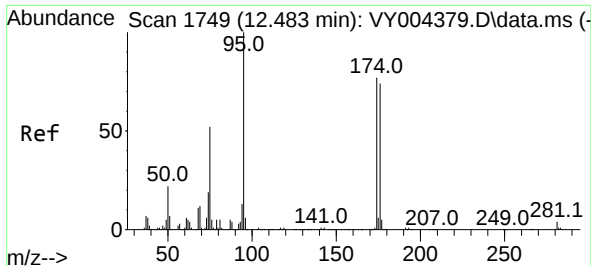


#59
2-Hexanone
Concen: 1.81 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08



Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#

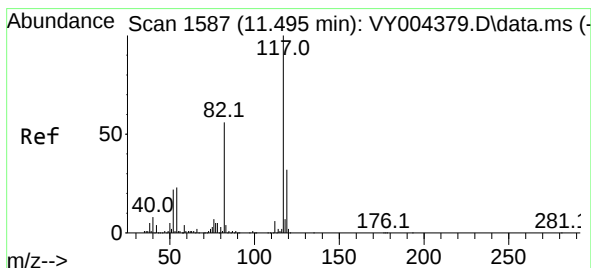
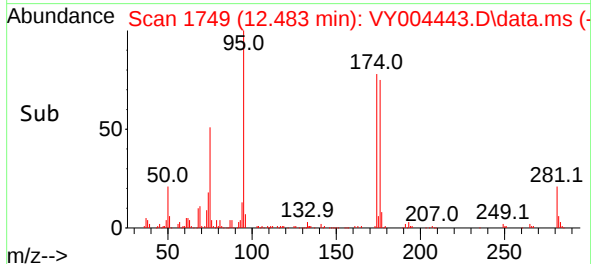
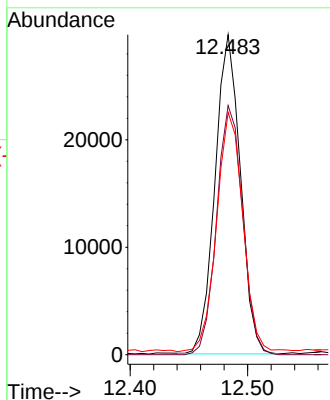
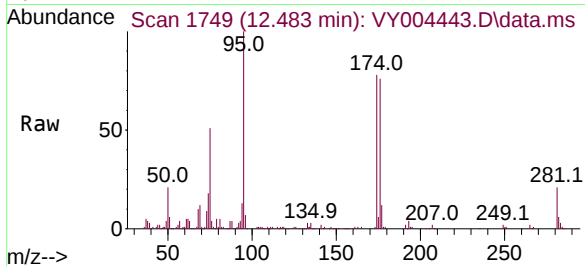




#62
4-Bromofluorobenzene
Concen: 41.04 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

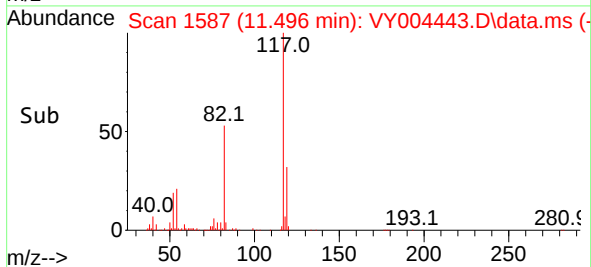
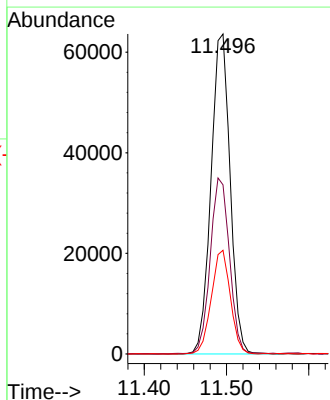
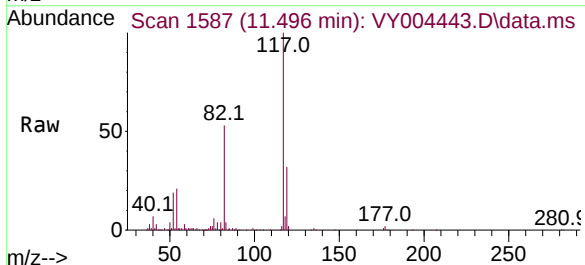
Instrument :
MSVOA_Y
ClientSampleId :

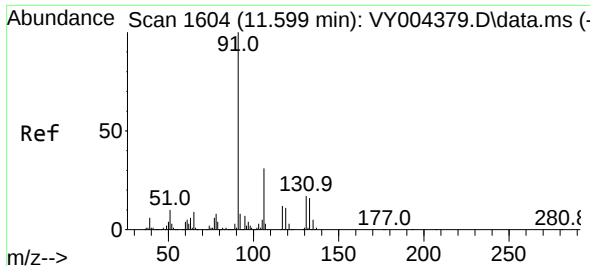
Tgt Ion: 95 Resp: 44571
Ion Ratio Lower Upper
95 100
174 79.8 0.0 162.4
176 77.7 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion: 117 Resp: 102784
Ion Ratio Lower Upper
117 100
82 52.7 44.9 67.3
119 32.4 25.4 38.0

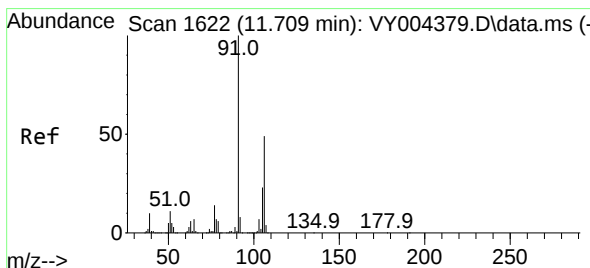
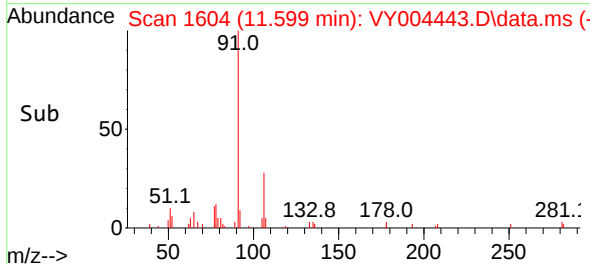
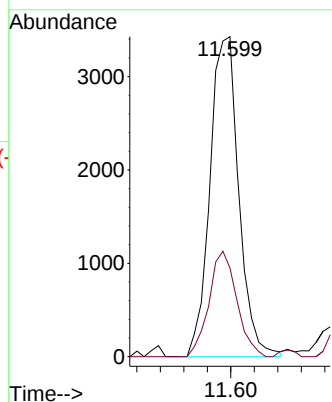
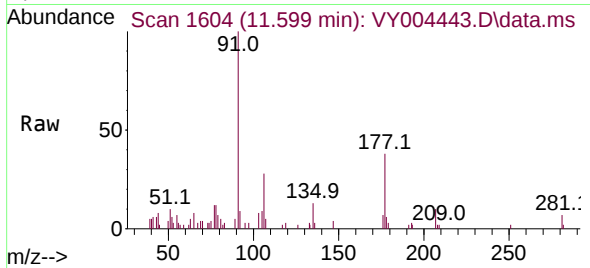




#67
Ethyl Benzene
Concen: 1.49 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

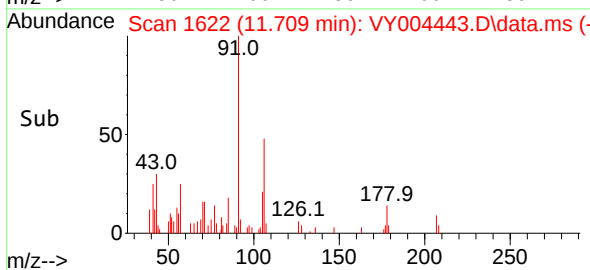
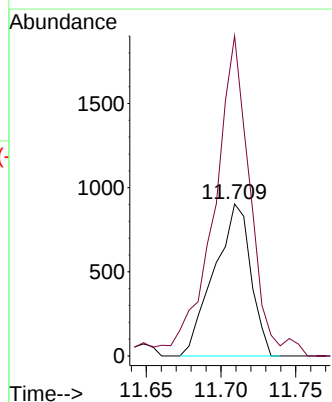
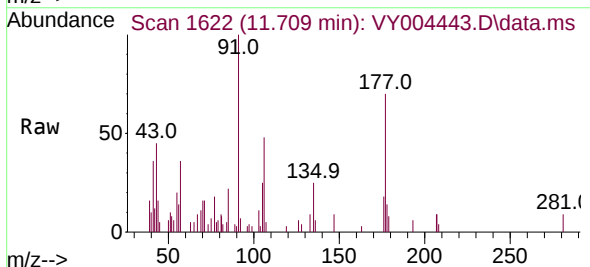
Instrument :
MSVOA_Y
ClientSampled :

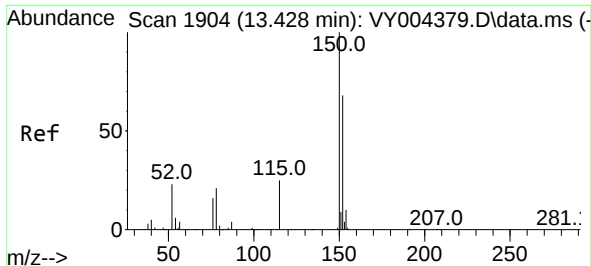
Tgt Ion: 91 Resp: 5839
Ion Ratio Lower Upper
91 100
106 27.7 25.1 37.7



#68
m/p-Xylenes
Concen: 1.05 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion:106 Resp: 1536
Ion Ratio Lower Upper
106 100
91 207.9 163.2 244.8

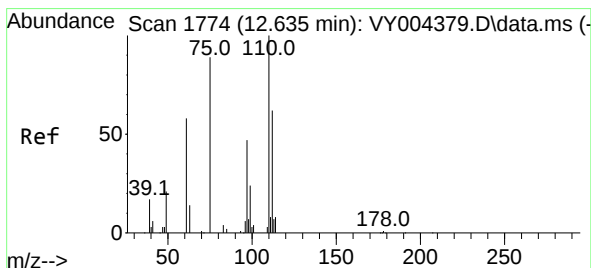
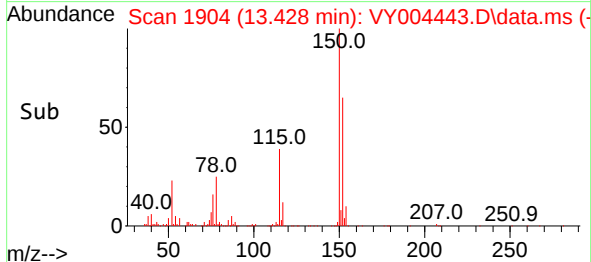
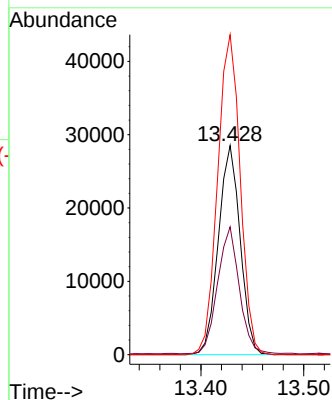
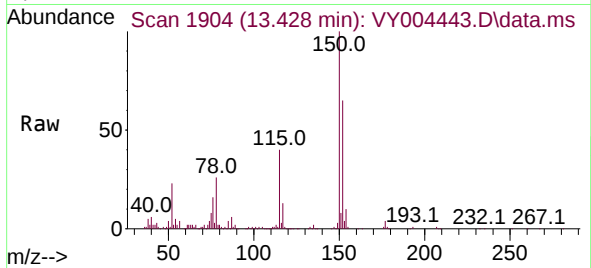




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

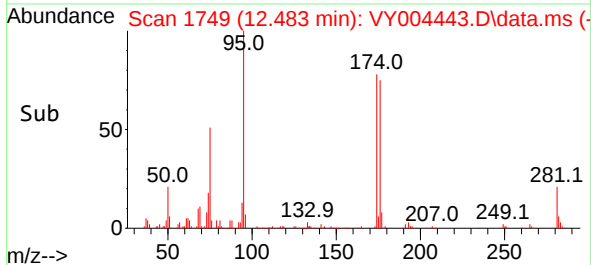
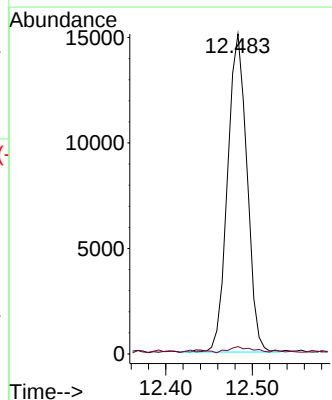
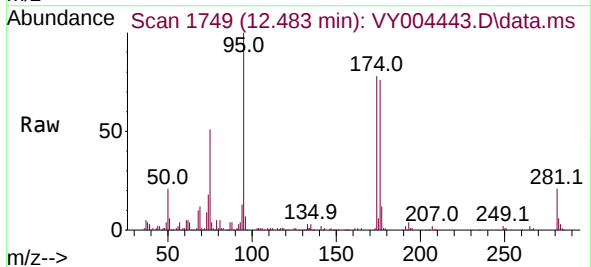
Instrument :
MSVOA_Y
ClientSampled :

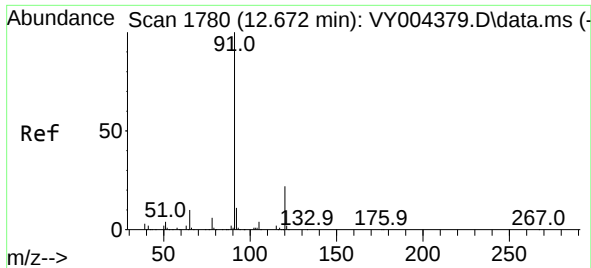
Tgt Ion:152 Resp: 41889
Ion Ratio Lower Upper
152 100
115 60.6 29.6 88.8
150 158.5 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 52.40 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion: 75 Resp: 23559
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#

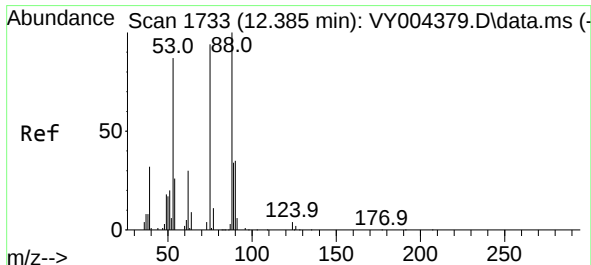
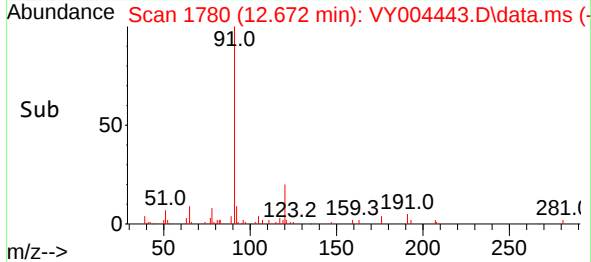
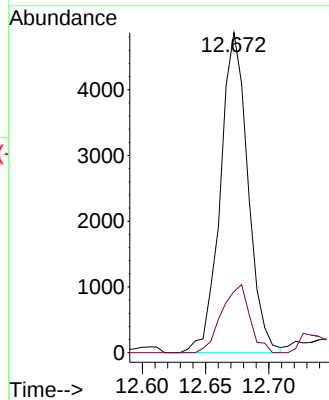
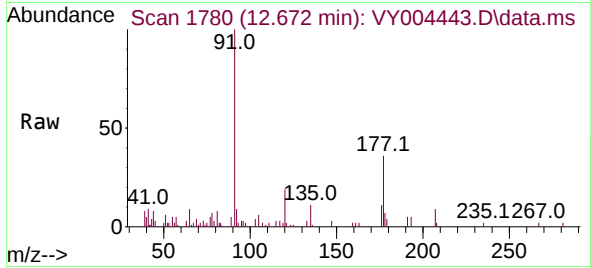




#78
n-propylbenzene
Concen: 1.93 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

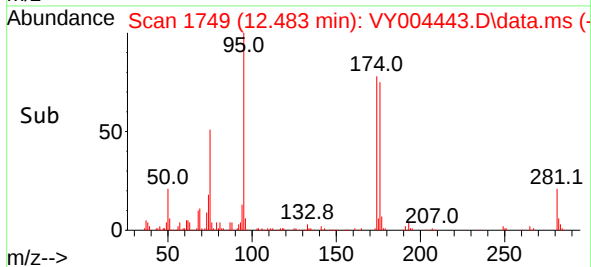
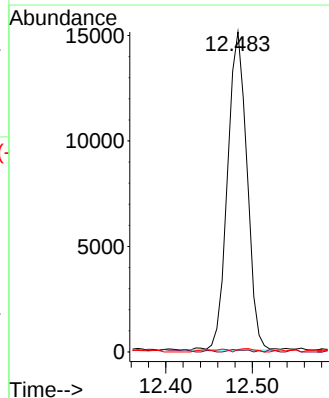
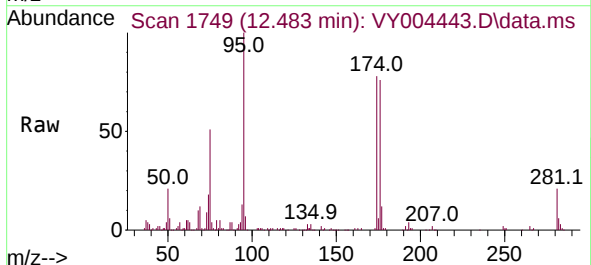
Instrument :
MSVOA_Y
ClientSampled :

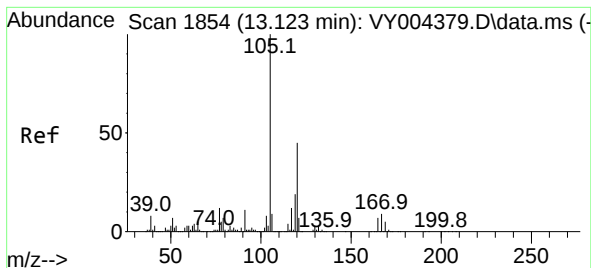
Tgt Ion: 91 Resp: 7399
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4



#81
trans-1,4-Dichloro-2-butene
Concen: 93.74 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion: 75 Resp: 23559
Ion Ratio Lower Upper
75 100
53 0.6 75.0 112.6#
89 0.9 36.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 5.97 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY004443.D

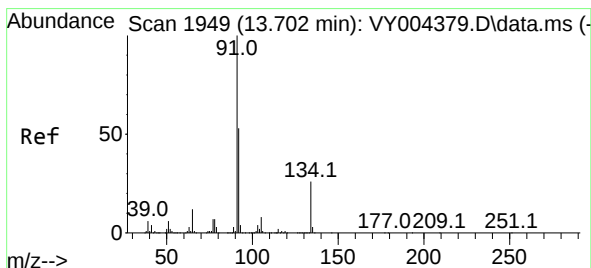
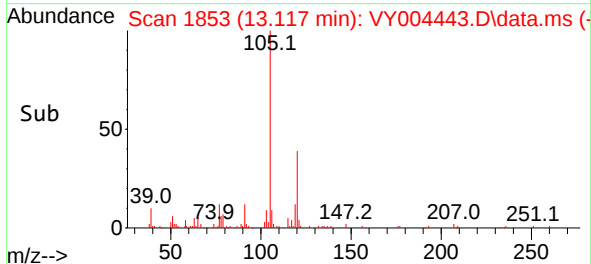
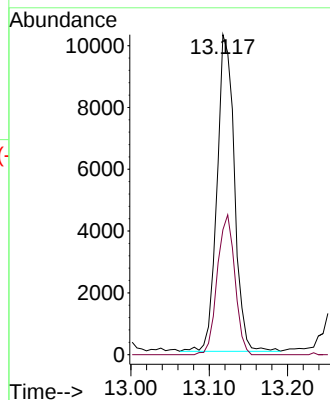
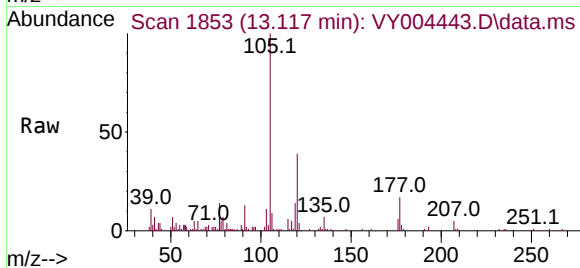
Acq: 15 Apr 2021 16:08

Tgt Ion: 105 Resp: 15848

Ion Ratio Lower Upper

105 100

120 44.5 22.4 67.3



#89

n-Butylbenzene

Concen: 1.28 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY004443.D

Acq: 15 Apr 2021 16:08

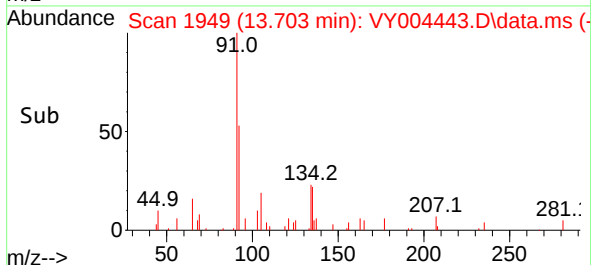
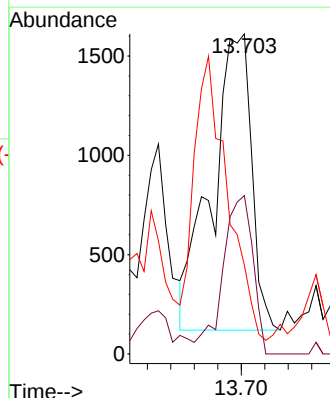
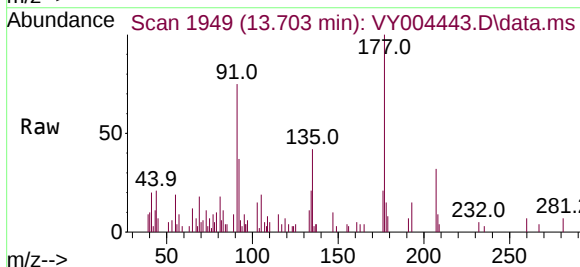
Tgt Ion: 91 Resp: 3492

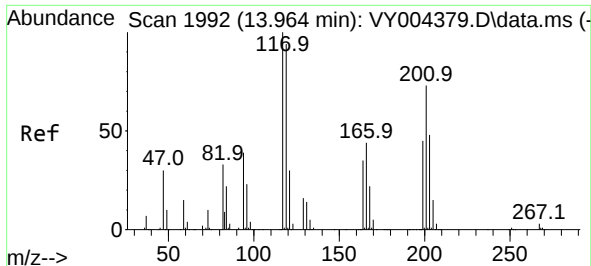
Ion Ratio Lower Upper

91 100

92 40.3 26.6 79.8

134 0.0 12.7 38.1#

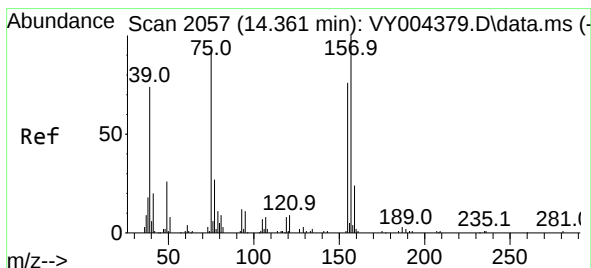
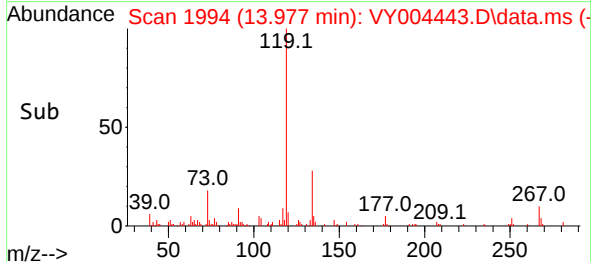
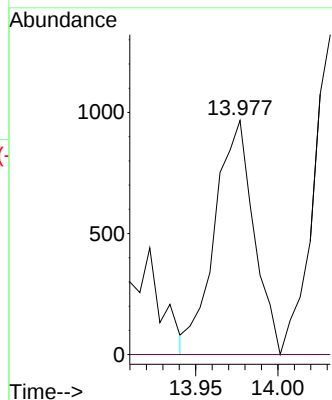
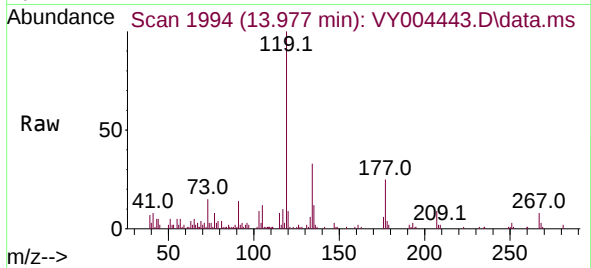




#90
Hexachloroethane
Concen: 4.17 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.013 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

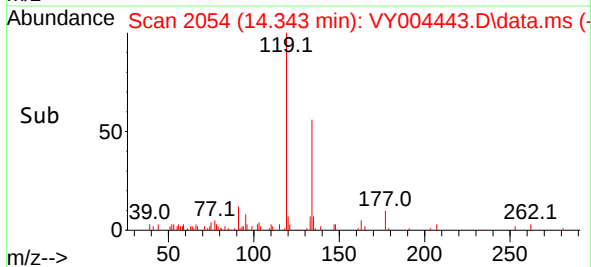
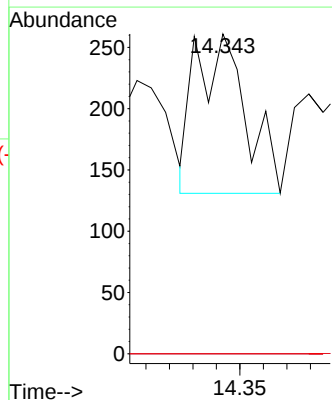
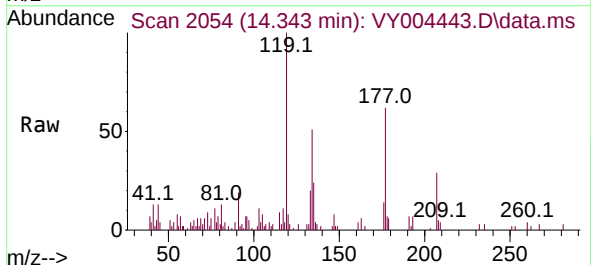
Instrument :
MSVOA_Y
ClientSampled :

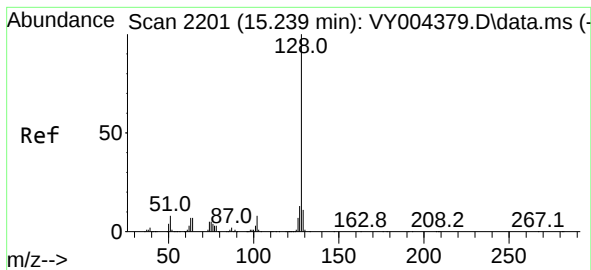
Tgt Ion:117 Resp: 1597
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.75 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.018 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Tgt Ion: 75 Resp: 192
Ion Ratio Lower Upper
75 100
155 0.0 40.6 121.8#
157 0.0 53.0 159.0#





#95
Naphthalene
Concen: 8.95 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004443.D
Acq: 15 Apr 2021 16:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 15472
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 14.2 8.8 13.2#

