

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004442.D
 Acq On : 15 Apr 2021 15:44
 Operator : SY/MD
 Sample : M2048-01
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:04:48 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)

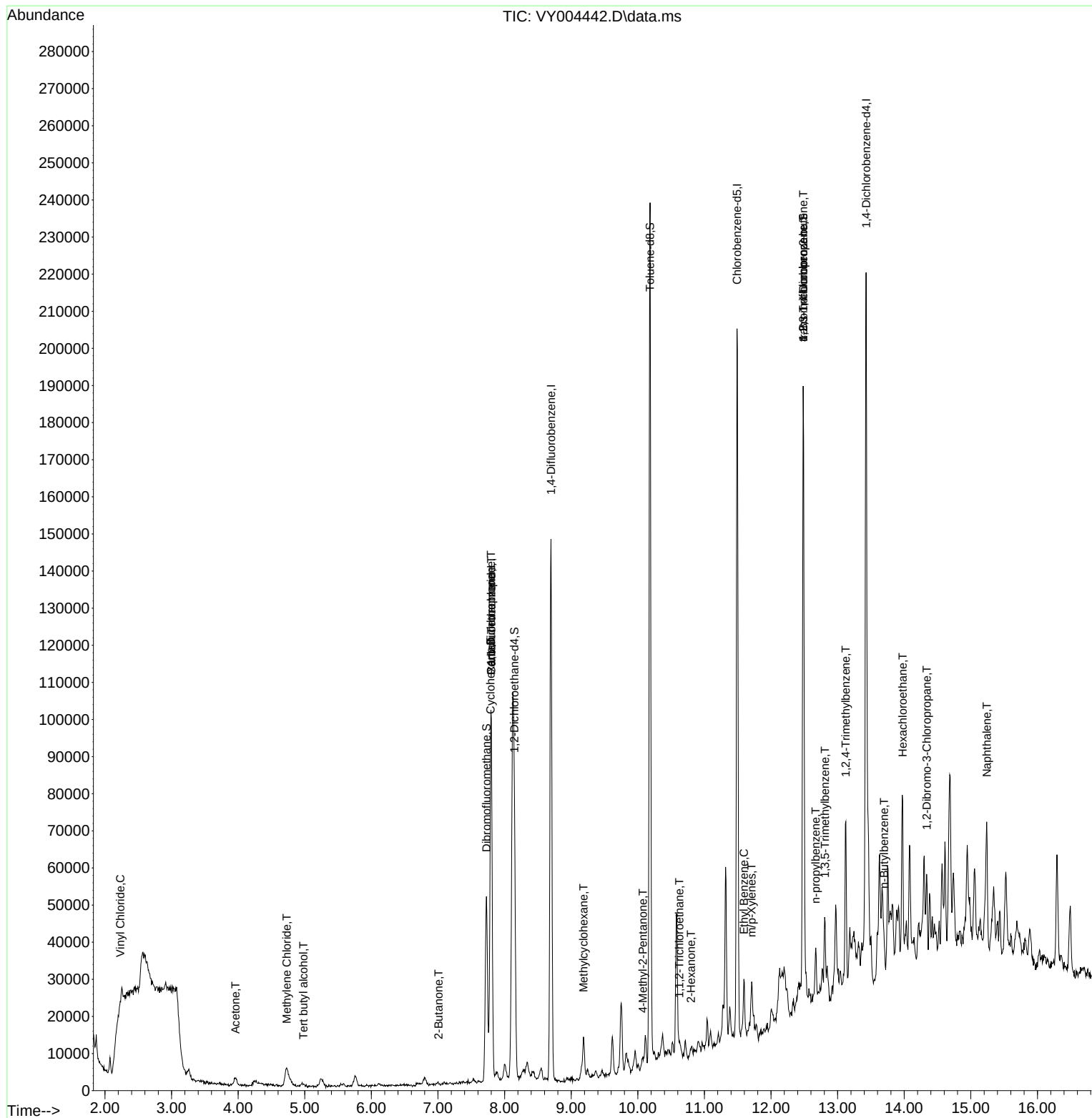
Internal Standards						
1) Pentafluorobenzene	7.801	168	73797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	121541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	100785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	35036	42.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 85.46%			
35) Dibromofluoromethane	7.728	113	34460	51.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.18%			
50) Toluene-d8	10.185	98	144213	50.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.54%			
62) 4-Bromofluorobenzene	12.483	95	43686	44.87	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.74%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	15123	14.48	ug/l #	43
11) Tert butyl alcohol	4.978	59	1471	18.20	ug/l #	73
16) Acetone	3.960	43	3678	2.06	ug/l	90
20) Methylene Chloride	4.728	84	3391	4.28	ug/l #	82
25) 2-Butanone	7.008	43	583	1.87	ug/l #	50
31) Cyclohexane	7.789	56	3222	2.14	ug/l #	28
36) 1,1-Dichloropropene	7.795	75	6075	5.03	ug/l #	49
38) Carbon Tetrachloride	7.801	117	7953	7.62	ug/l #	15
39) Methylcyclohexane	9.185	83	4509	3.03	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	1273	1.68	ug/l	97
55) 1,1,2-Trichloroethane	10.624	97	1061	1.61	ug/l #	25
59) 2-Hexanone	10.800	43	1384	2.73	ug/l #	27
67) Ethyl Benzene	11.593	91	9083	2.36	ug/l	100
68) m/p-Xylenes	11.709	106	2275	1.59	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	23939	51.44	ug/l #	100
78) n-propylbenzene	12.672	91	11008	2.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	3537	1.30	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	23939	92.02	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	23438	8.53	ug/l	99
89) n-Butylbenzene	13.696	91	5359	1.90	ug/l #	74
90) Hexachloroethane	13.977	117	1800	4.54	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.336	75	133	1.17	ug/l	83
95) Naphthalene	15.239	128	22439	12.54	ug/l #	95

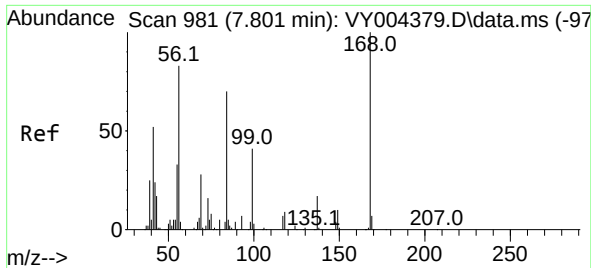
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Apr 16 05:04:48 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

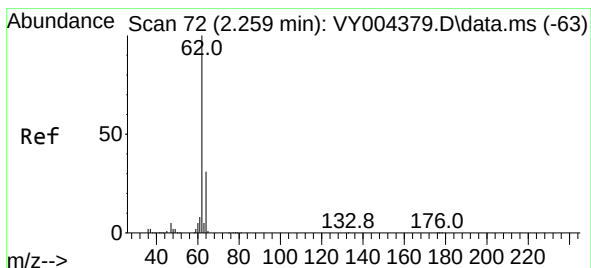
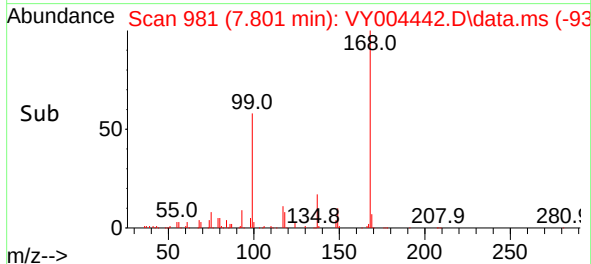
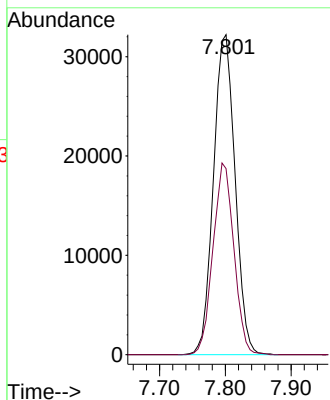
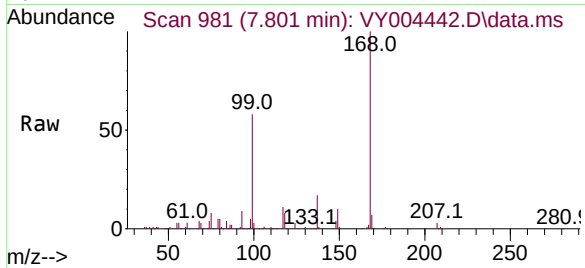




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

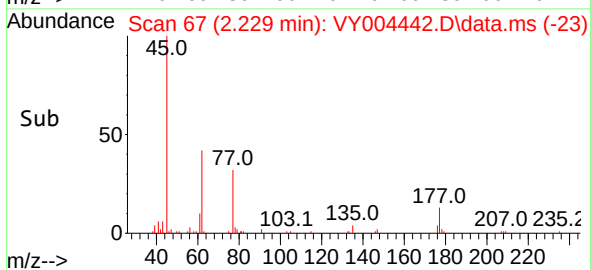
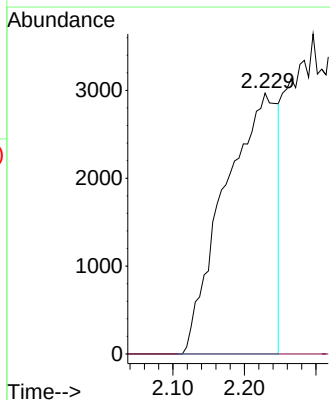
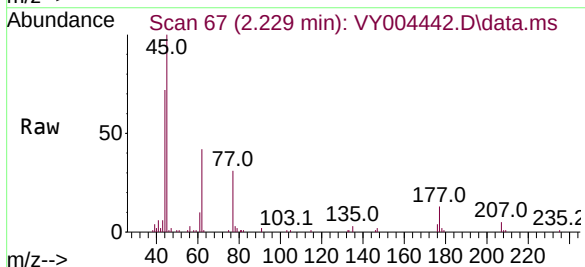
Instrument :
MSVOA_Y
ClientSampleId :

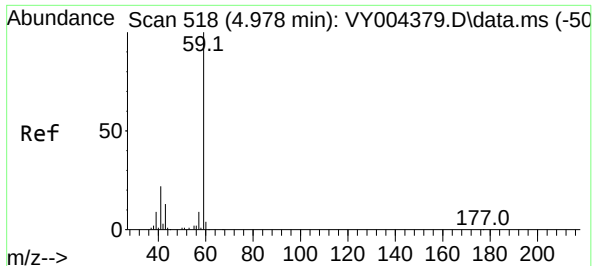
Tgt Ion:168 Resp: 73797
Ion Ratio Lower Upper
168 100
99 58.2 45.5 68.3



#4
Vinyl Chloride
Concen: 14.48 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.030 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 62 Resp: 15123
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



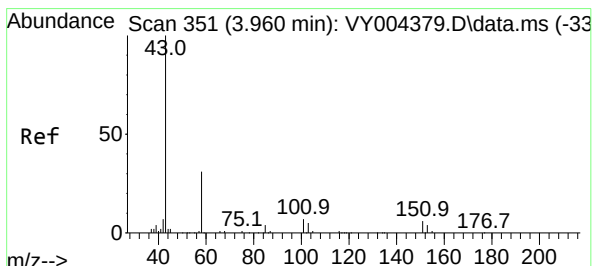
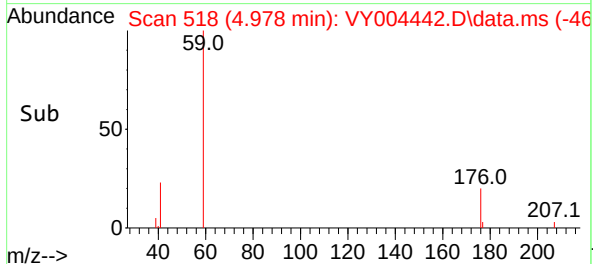
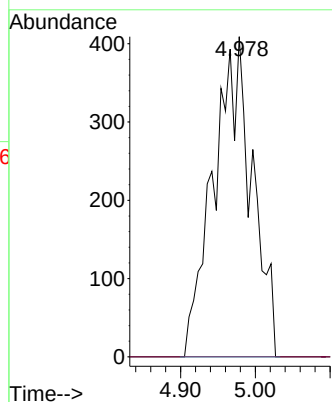
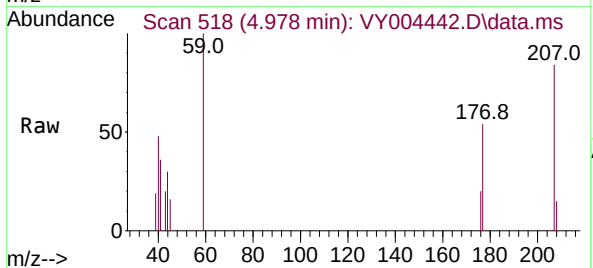


#11

Tert butyl alcohol
Concen: 18.20 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Instrument :
MSVOA_Y
ClientSampled :

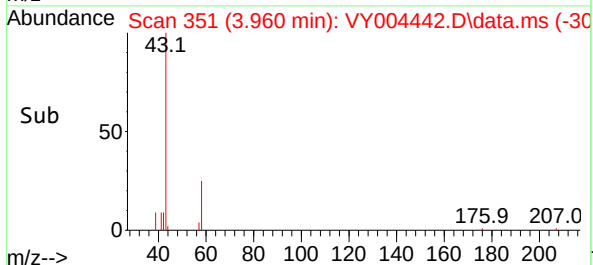
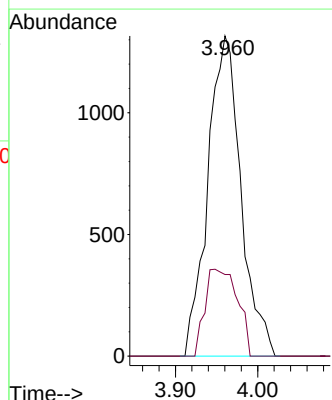
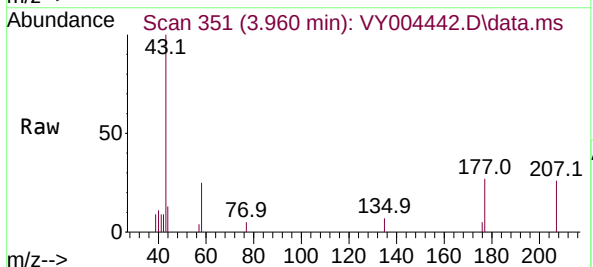
Tgt Ion: 59 Resp: 1471
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

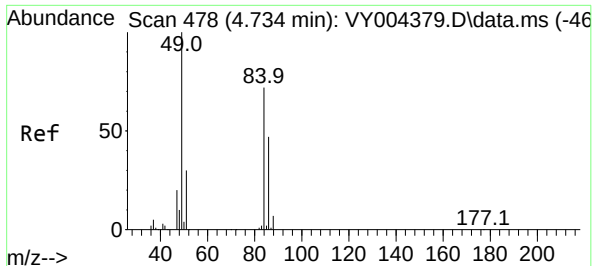


#16

Acetone
Concen: 2.06 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 43 Resp: 3678
Ion Ratio Lower Upper
43 100
58 25.5 24.6 37.0

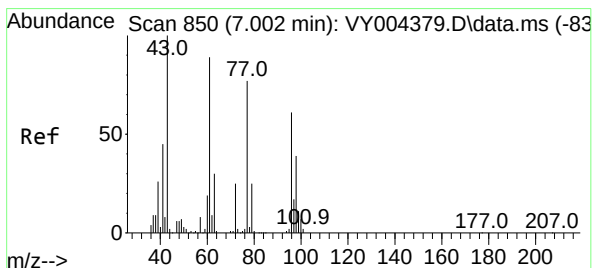
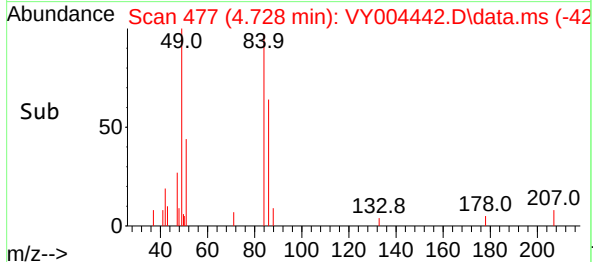
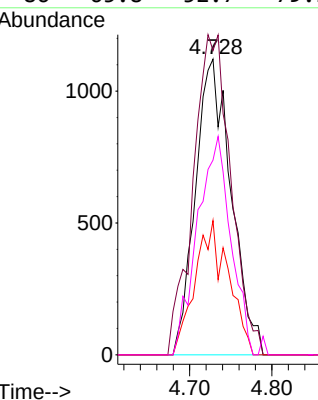
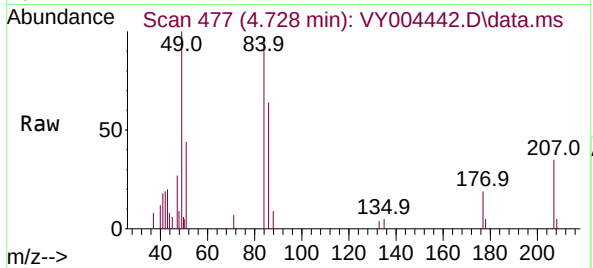




#20
Methylene Chloride
Concen: 4.28 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

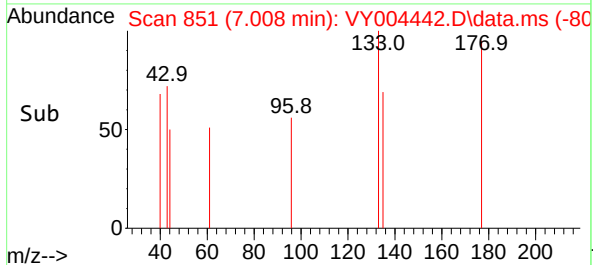
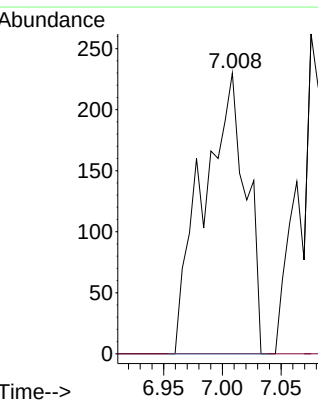
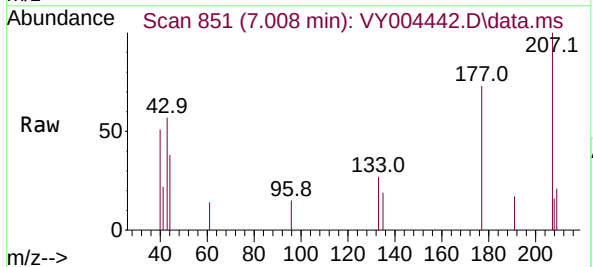
Instrument :
MSVOA_Y
ClientSampled :

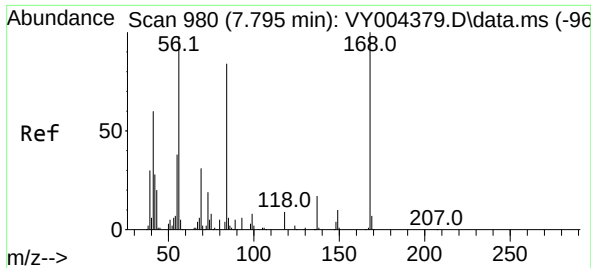
Tgt Ion:	84	Resp:	3391
Ion	Ratio	Lower	Upper
84	100		
49	102.9	111.2	166.8#
51	45.4	33.4	50.2
86	65.8	52.7	79.1



#25
2-Butanone
Concen: 1.87 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion:	43	Resp:	583
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.2#

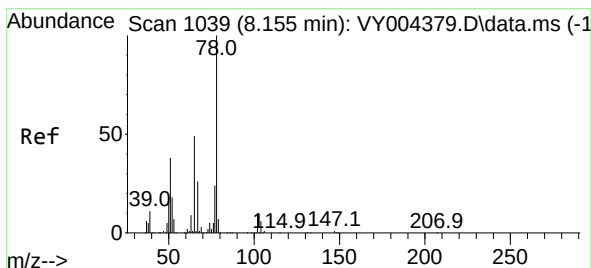
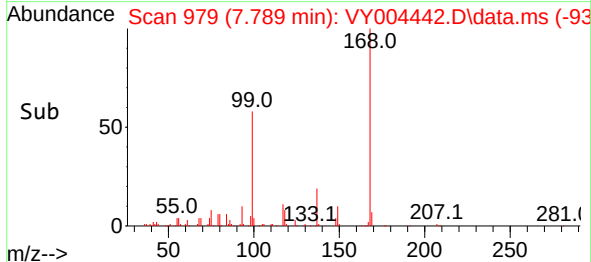
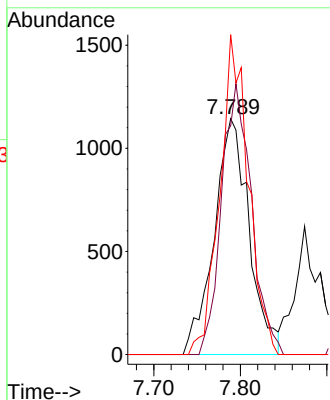
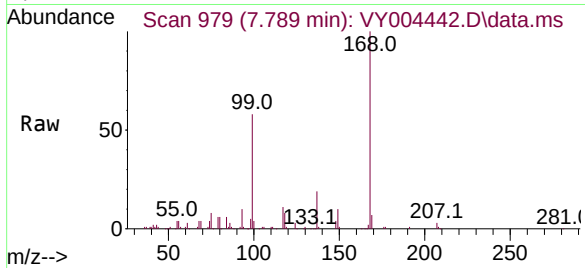




#31
Cyclohexane
Concen: 2.14 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

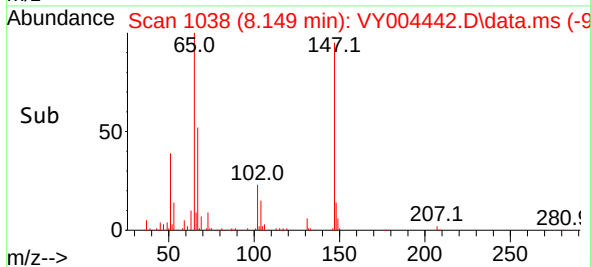
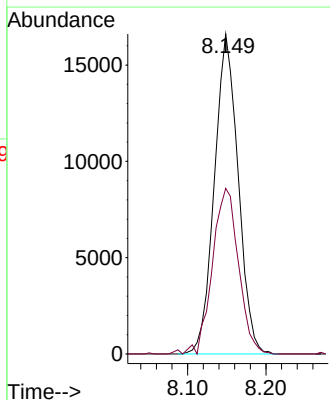
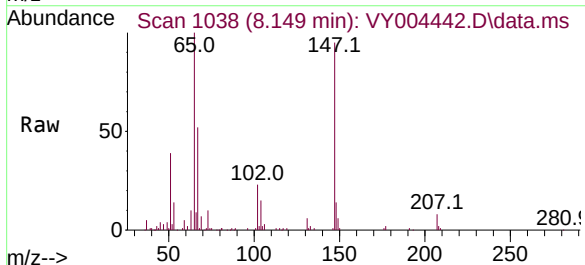
Instrument :
MSVOA_Y
ClientSampleId :

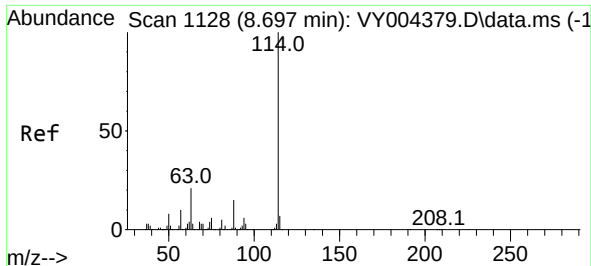
Tgt Ion: 56 Resp: 3222
Ion Ratio Lower Upper
56 100
69 97.0 25.8 38.6#
84 135.6 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 42.73 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 65 Resp: 35036
Ion Ratio Lower Upper
65 100
67 56.9 0.0 106.4

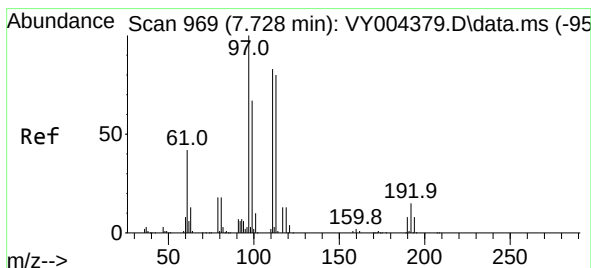
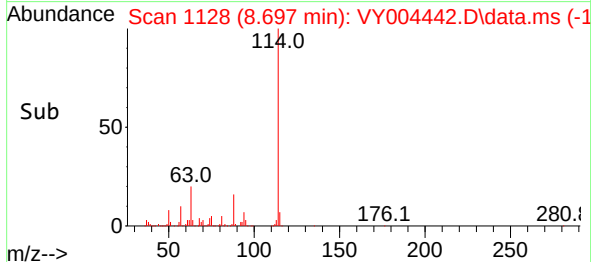
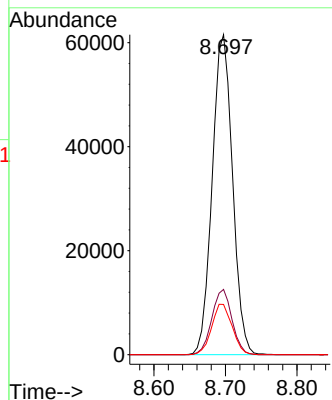
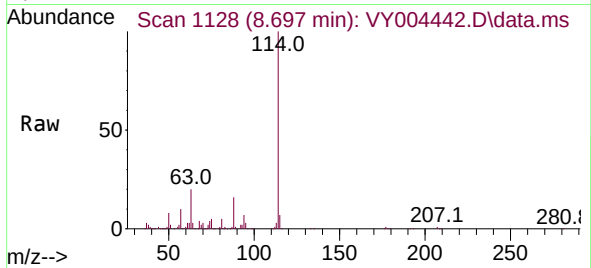




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

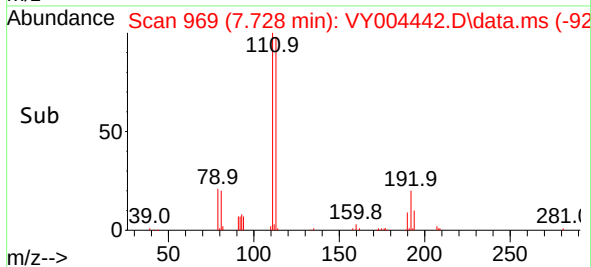
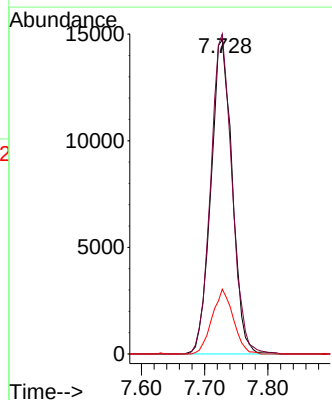
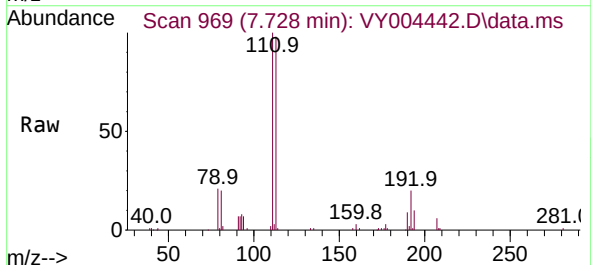
Instrument :
MSVOA_Y
ClientSampleId :

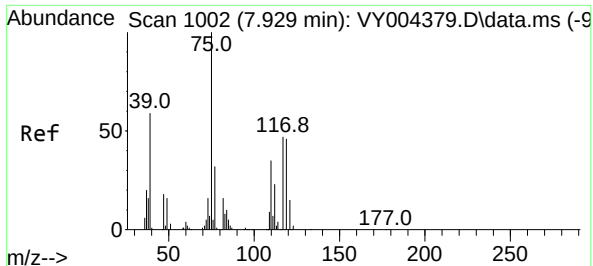
Tgt Ion:114 Resp: 121541
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.09 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion:113 Resp: 34460
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 20.5 16.1 24.1

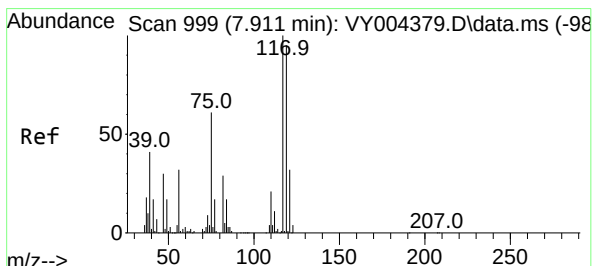
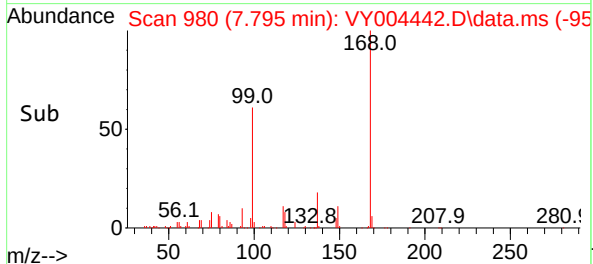
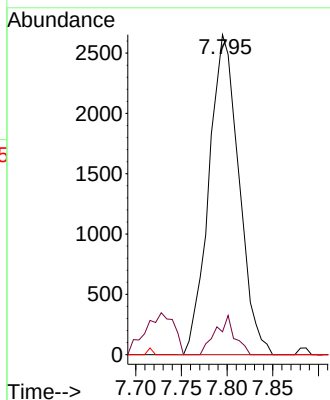
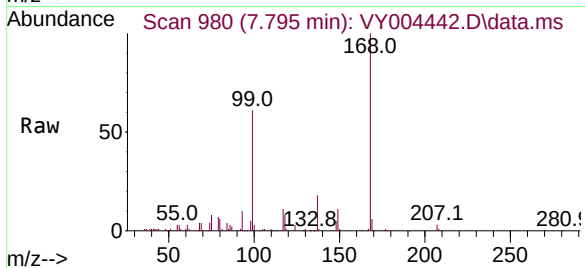




#36
 1,1-Dichloropropene
 Concen: 5.03 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.134 min
 Lab File: VY004442.D
 Acq: 15 Apr 2021 15:44

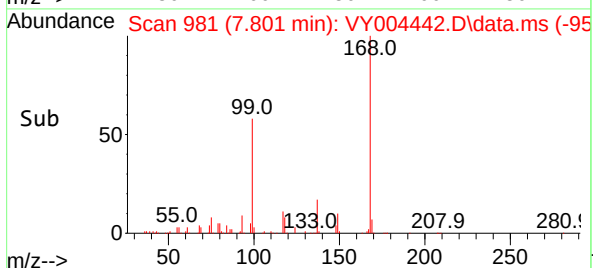
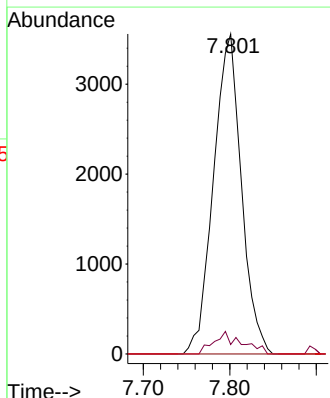
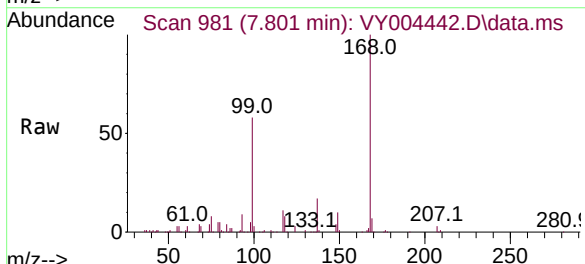
Instrument :
 MSVOA_Y
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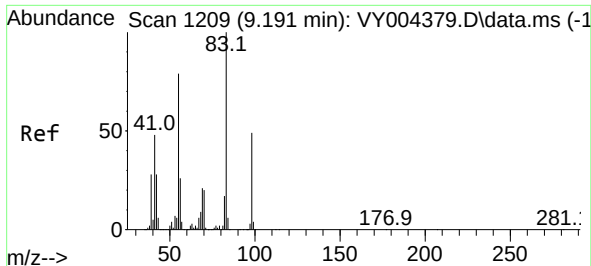
Tgt Ion: 75 Resp: 6075
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.3 51.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.62 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY004442.D
 Acq: 15 Apr 2021 15:44

Tgt Ion: 117 Resp: 7953
 Ion Ratio Lower Upper
 117 100
 119 3.0 75.8 113.8#
 121 0.0 25.3 37.9#

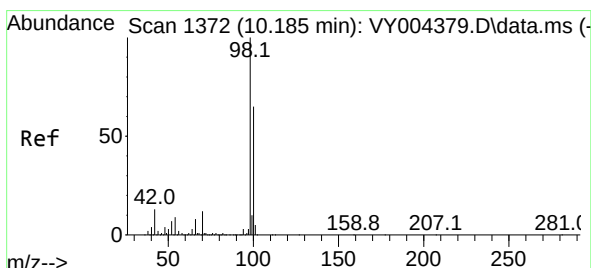
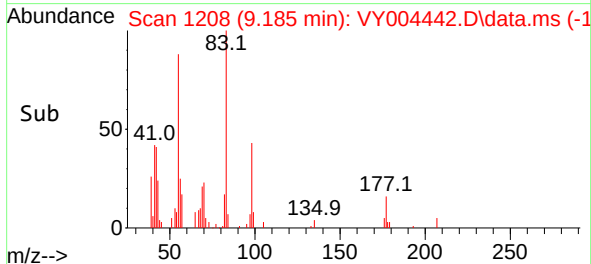
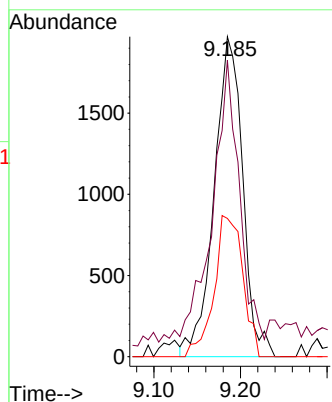
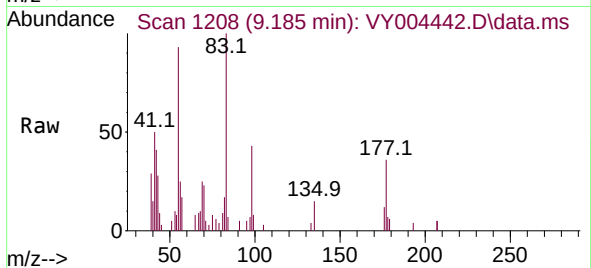




#39
Methylcyclohexane
Concen: 3.03 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

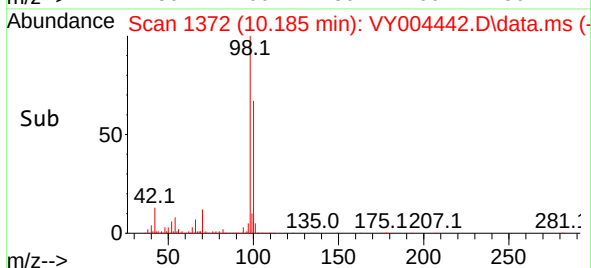
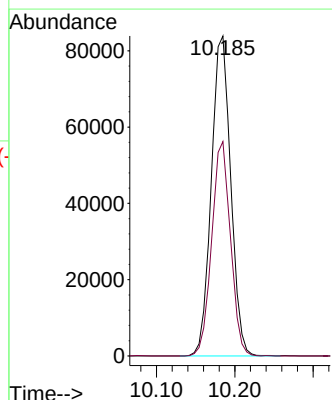
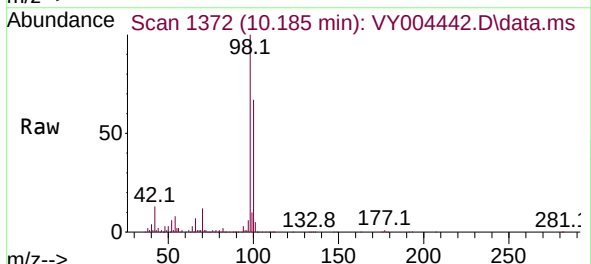
Instrument :
MSVOA_Y
ClientSampled :

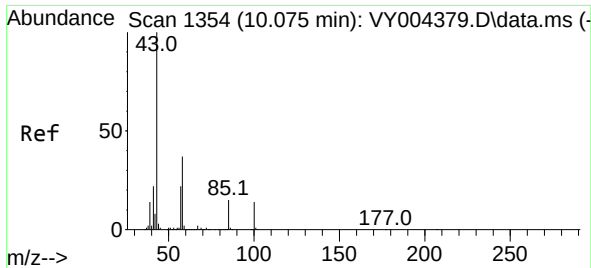
Tgt Ion: 83 Resp: 4509
Ion Ratio Lower Upper
83 100
55 86.4 63.0 94.4
98 43.2 39.2 58.8



#50
Toluene-d8
Concen: 50.27 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 98 Resp: 144213
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

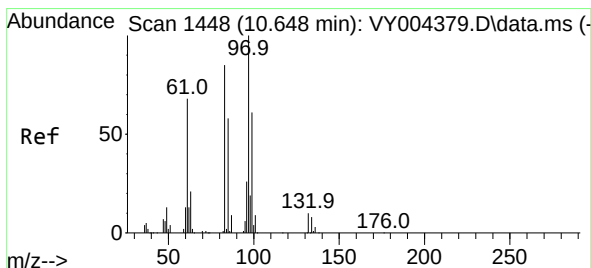
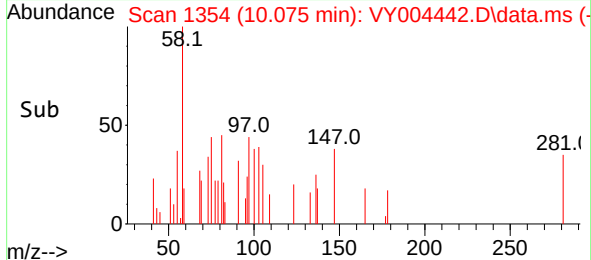
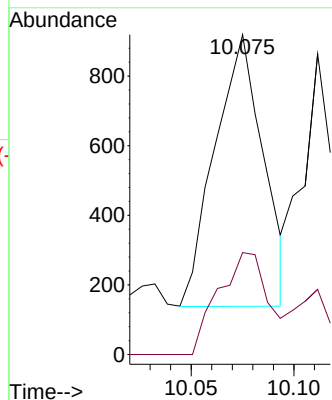
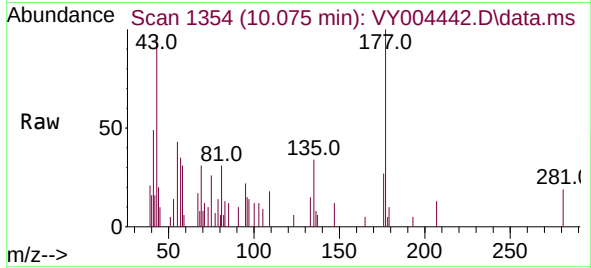




#51
4-Methyl-2-Pentanone
Concen: 1.68 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

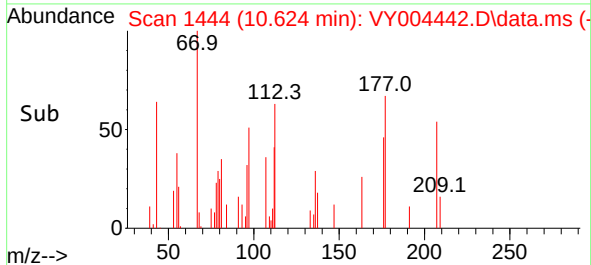
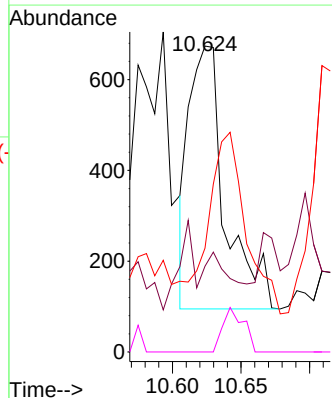
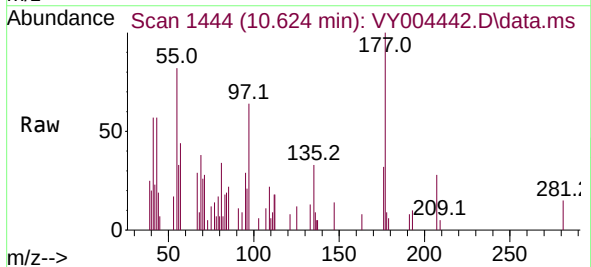
Instrument :
MSVOA_Y
ClientSampled :

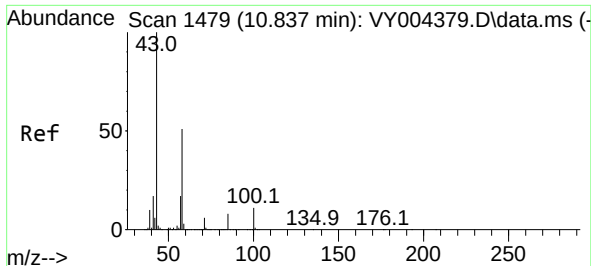
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 38.6 29.2 43.8



#55
1,1,2-Trichloroethane
Concen: 1.61 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 97 Resp: 1061
Ion Ratio Lower Upper
97 100
83 1.7 68.4 102.6#
85 25.0 46.2 69.4#
99 0.0 48.8 73.2#

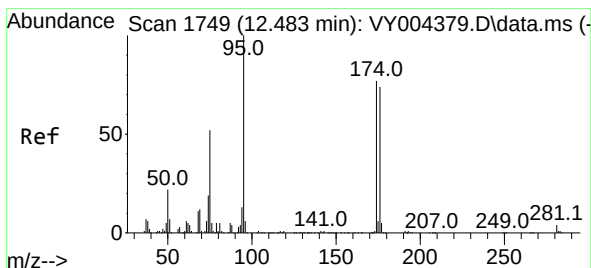
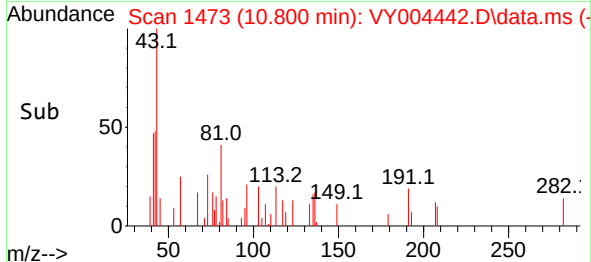
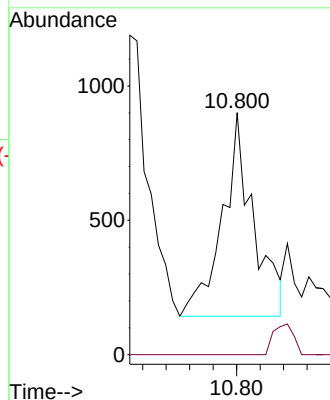
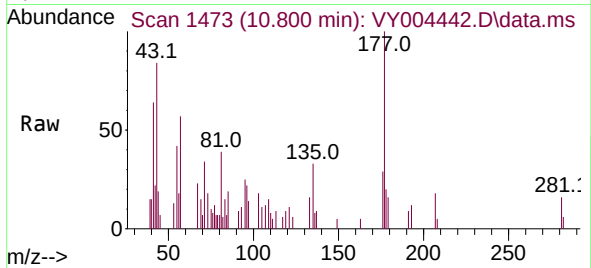




#59
2-Hexanone
Concen: 2.73 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.036 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

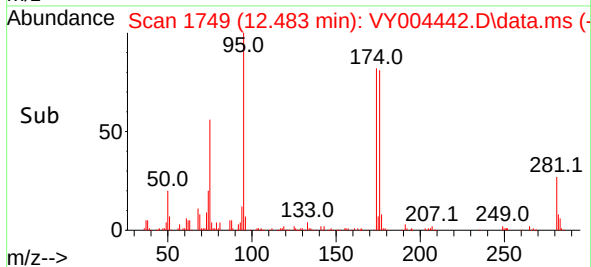
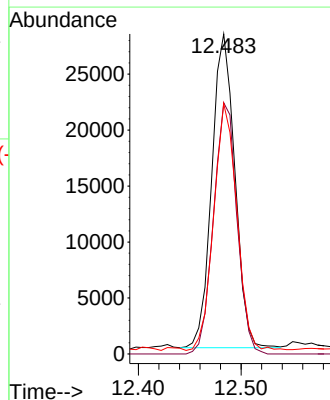
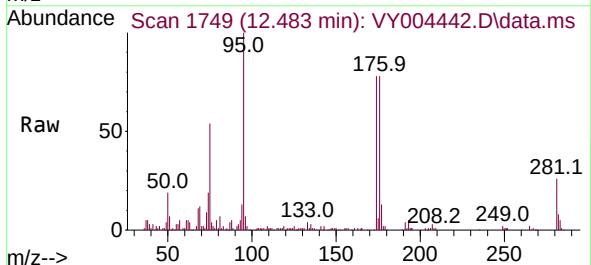
Instrument :
MSVOA_Y
ClientSampled :

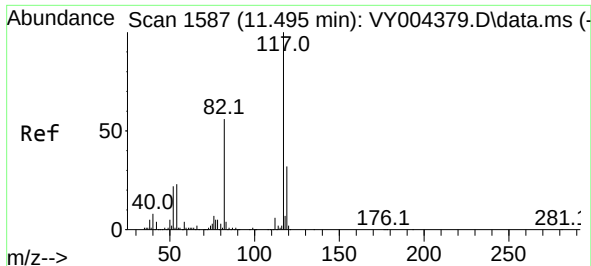
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 44.87 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 95 Resp: 43686
Ion Ratio Lower Upper
95 100
174 81.2 0.0 162.4
176 79.2 0.0 156.0

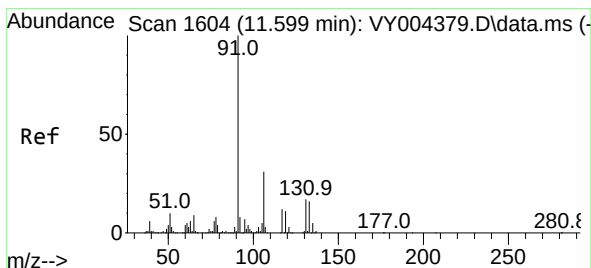
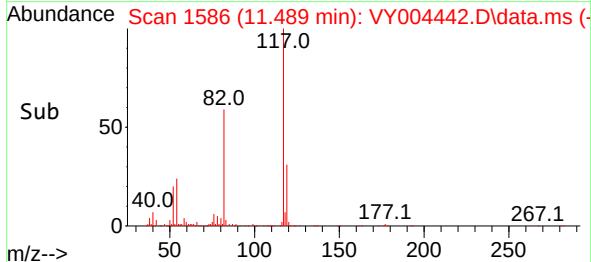
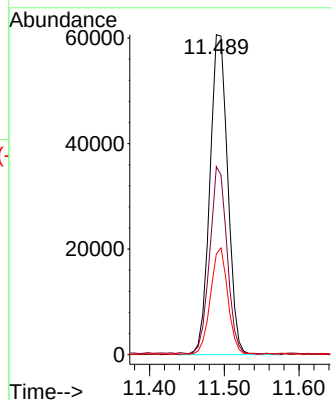
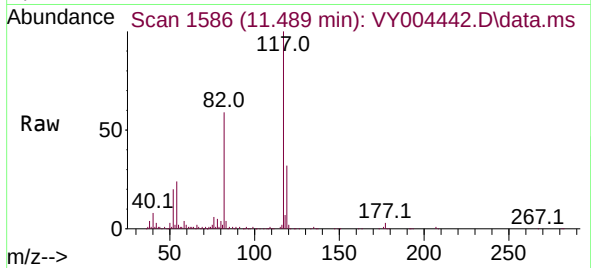




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

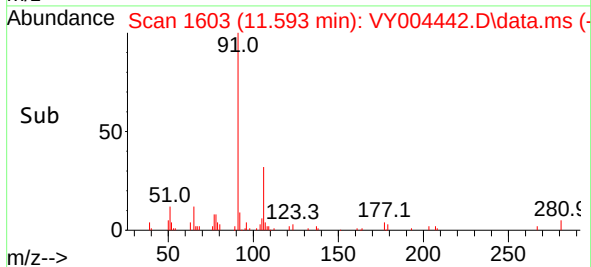
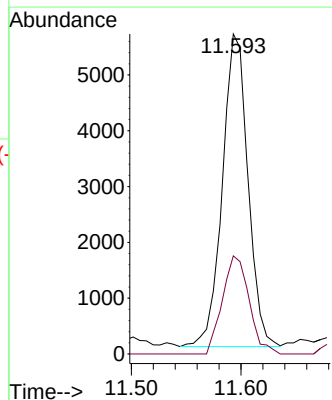
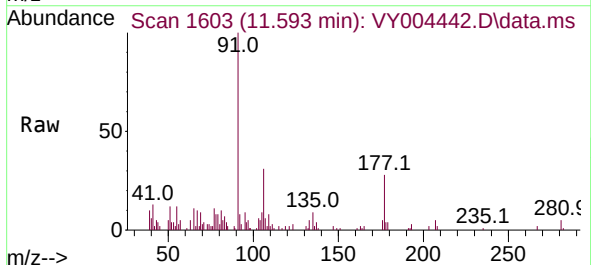
Instrument :
MSVOA_Y
ClientSampled :

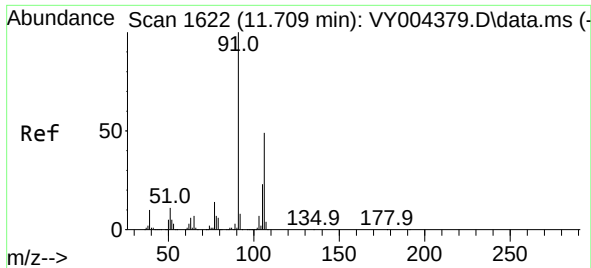
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.9	67.3
119	31.3	25.4	38.0



#67
Ethyl Benzene
Concen: 2.36 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.1	37.7

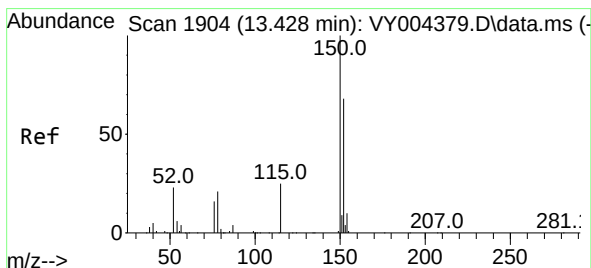
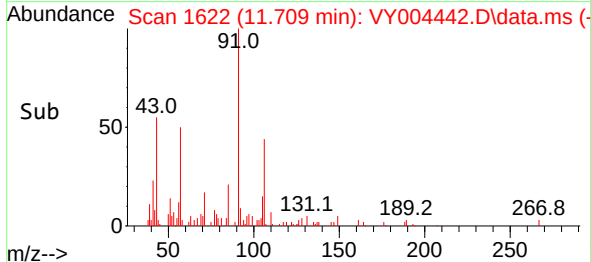
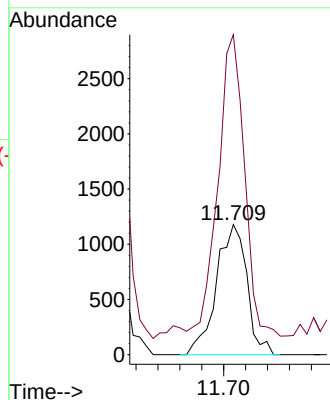
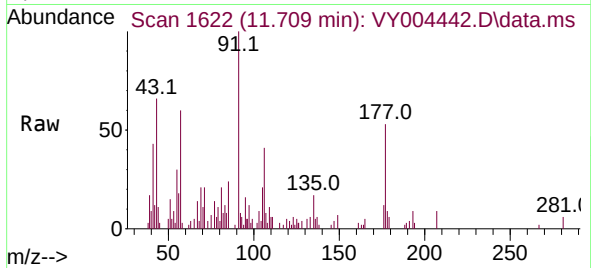




#68
m/p-Xylenes
Concen: 1.59 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

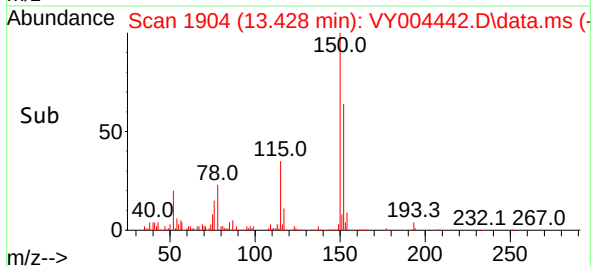
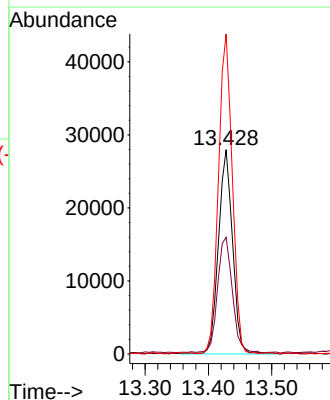
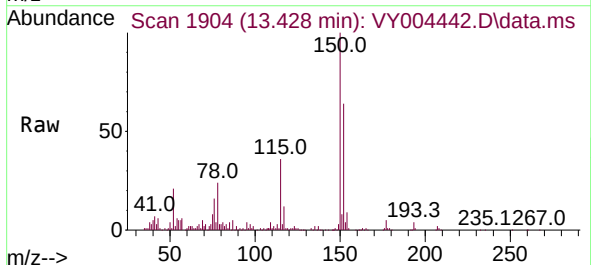
Instrument :
MSVOA_Y
ClientSampled :

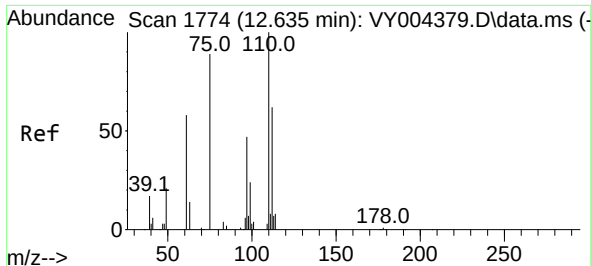
Tgt Ion:106 Resp: 2275
Ion Ratio Lower Upper
106 100
91 207.3 163.2 244.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion:152 Resp: 43361
Ion Ratio Lower Upper
152 100
115 58.5 29.6 88.8
150 152.5 0.0 348.4

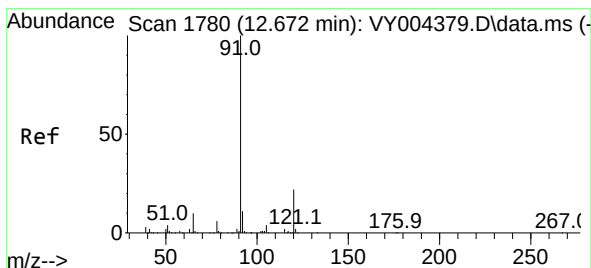
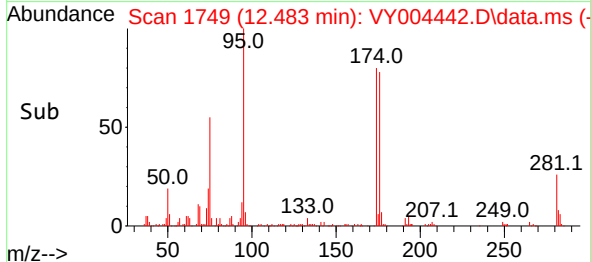
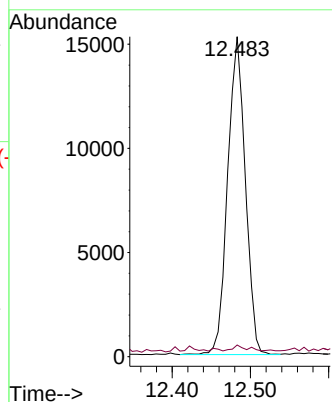
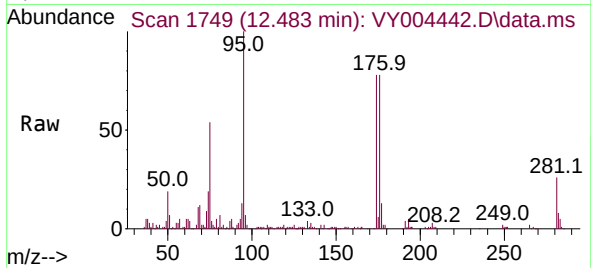




#76
1,2,3-Trichloropropane
Concen: 51.44 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

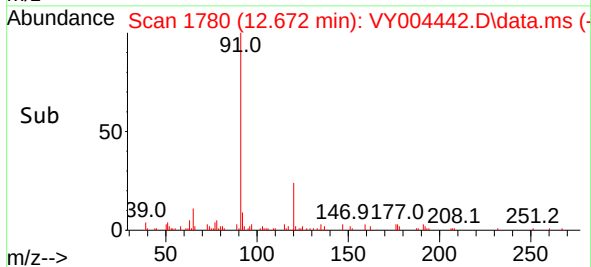
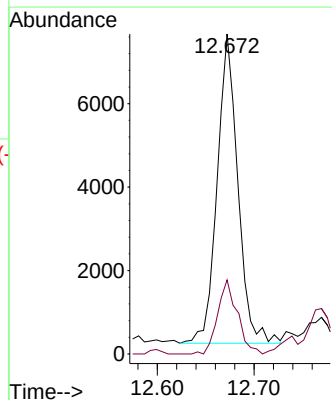
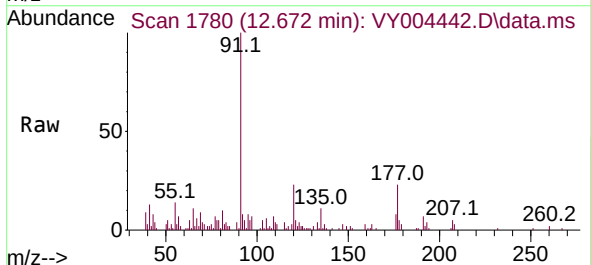
Instrument :
MSVOA_Y
ClientSampled :

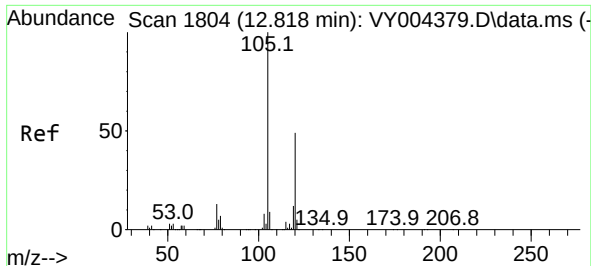
Tgt Ion: 75 Resp: 23939
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#78
n-propylbenzene
Concen: 2.78 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 91 Resp: 11008
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4

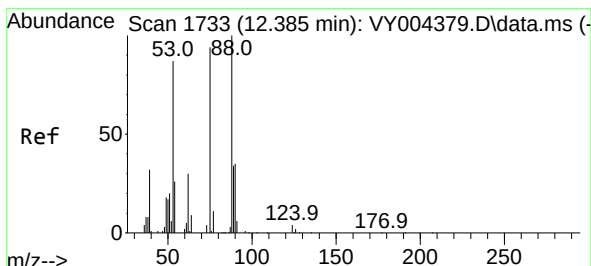
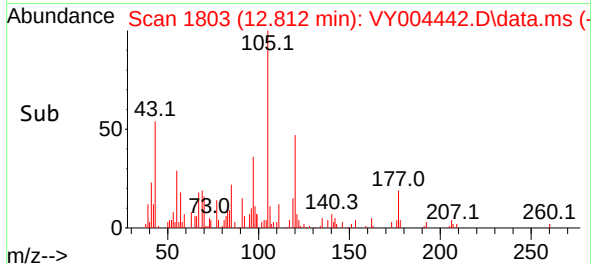
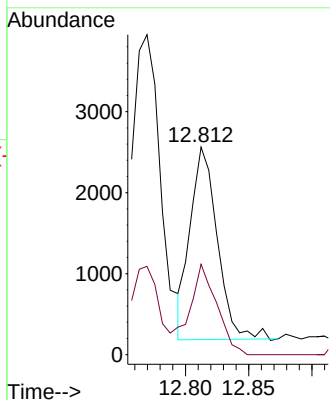
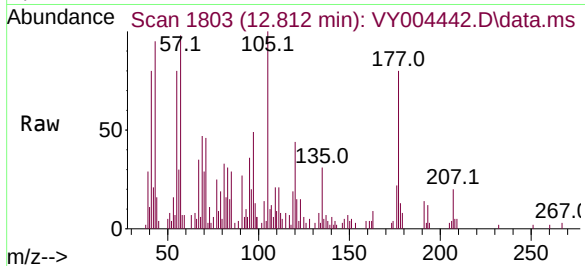




#80
1,3,5-Trimethylbenzene
Concen: 1.30 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

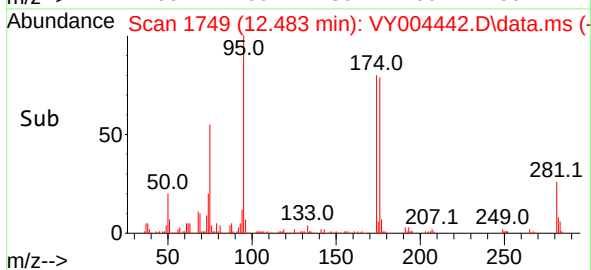
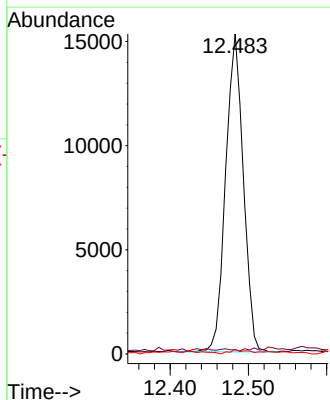
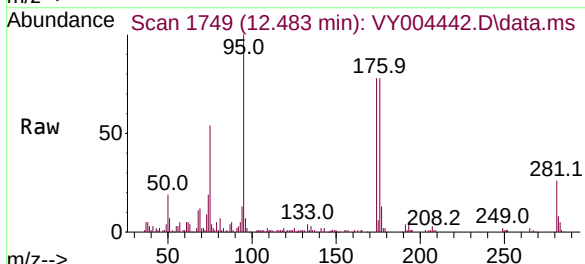
Instrument :
MSVOA_Y
ClientSampled :

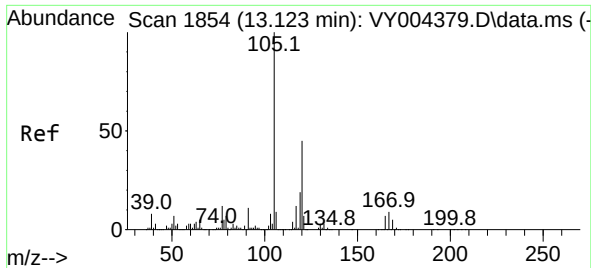
Tgt Ion:105 Resp: 3537
Ion Ratio Lower Upper
105 100
120 47.6 24.6 74.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 75 Resp: 23939
Ion Ratio Lower Upper
75 100
53 0.4 75.0 112.6#
89 1.3 36.1 54.1#

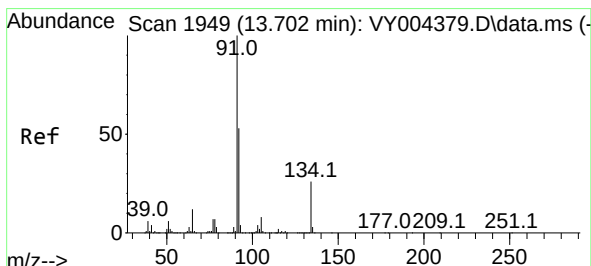
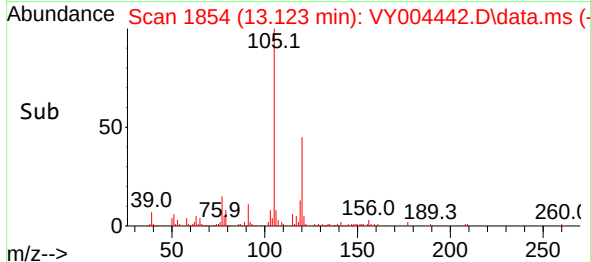
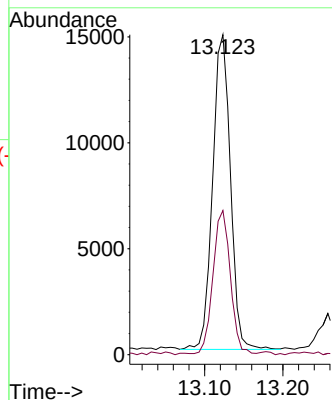
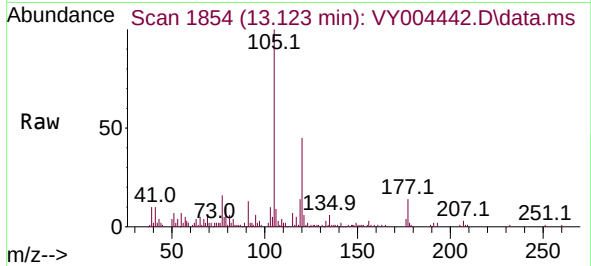




#84
1,2,4-Trimethylbenzene
Concen: 8.53 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

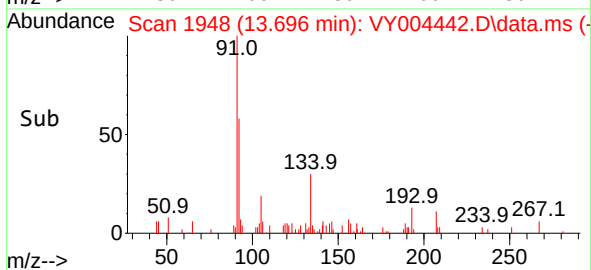
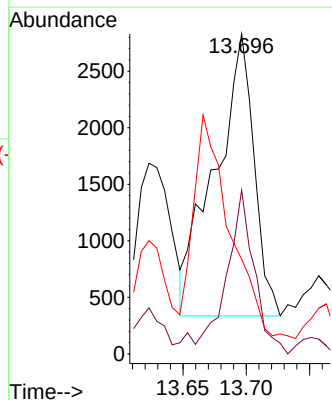
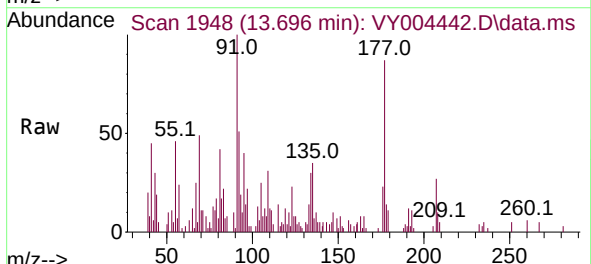
Instrument :
MSVOA_Y
ClientSampled :

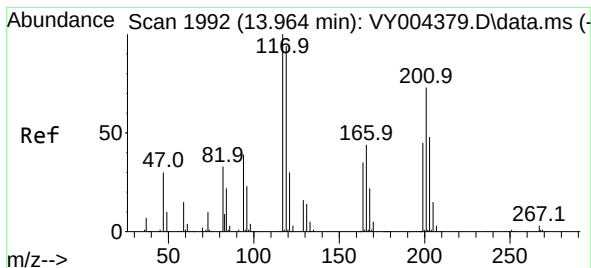
Tgt Ion:105 Resp: 23438
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.3



#89
n-Butylbenzene
Concen: 1.90 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 91 Resp: 5359
Ion Ratio Lower Upper
91 100
92 42.5 26.6 79.8
134 0.0 12.7 38.1#

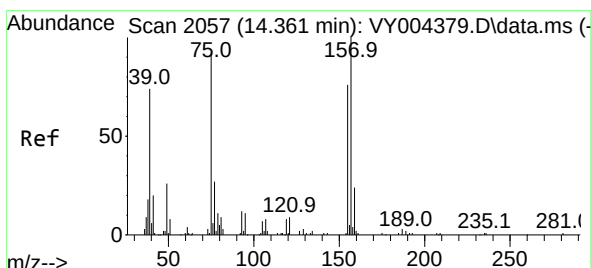
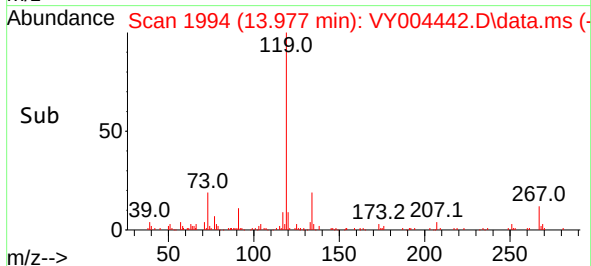
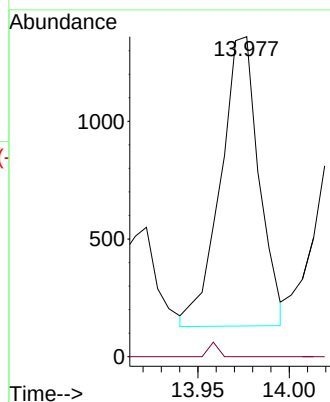
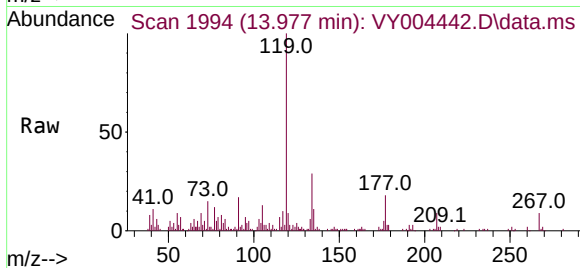




#90
Hexachloroethane
Concen: 4.54 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

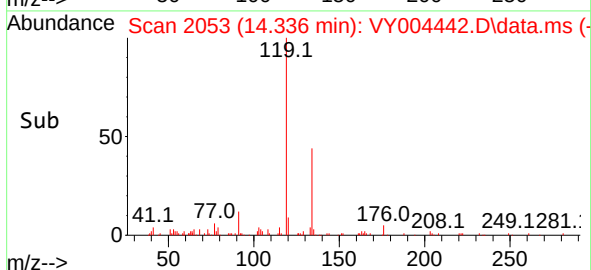
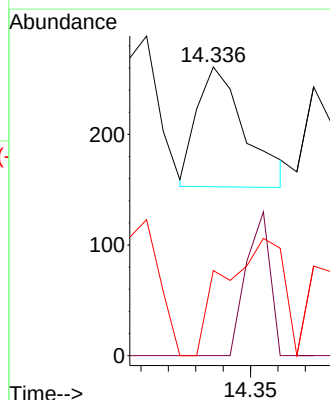
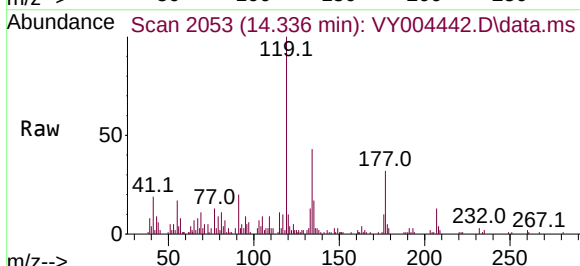
Instrument :
MSVOA_Y
ClientSampleId :

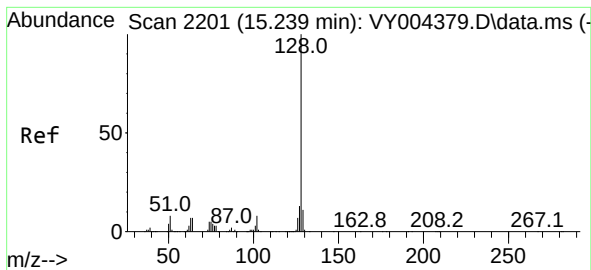
Tgt Ion:117 Resp: 1800
Ion Ratio Lower Upper
117 100
201 1.3 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.17 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
155 59.4 40.6 121.8
157 118.0 53.0 159.0





#95
Naphthalene
Concen: 12.54 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004442.D
Acq: 15 Apr 2021 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 22439
Ion Ratio Lower Upper
128 100
127 15.7 10.2 15.2#
129 10.5 8.8 13.2

