

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy062921\
 Data File : VY005282.D
 Acq On : 29 Jun 2021 17:51
 Operator : SY/MD
 Sample : M2886-03
 Misc : 6.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 26878

Quant Time: Jun 30 04:01:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

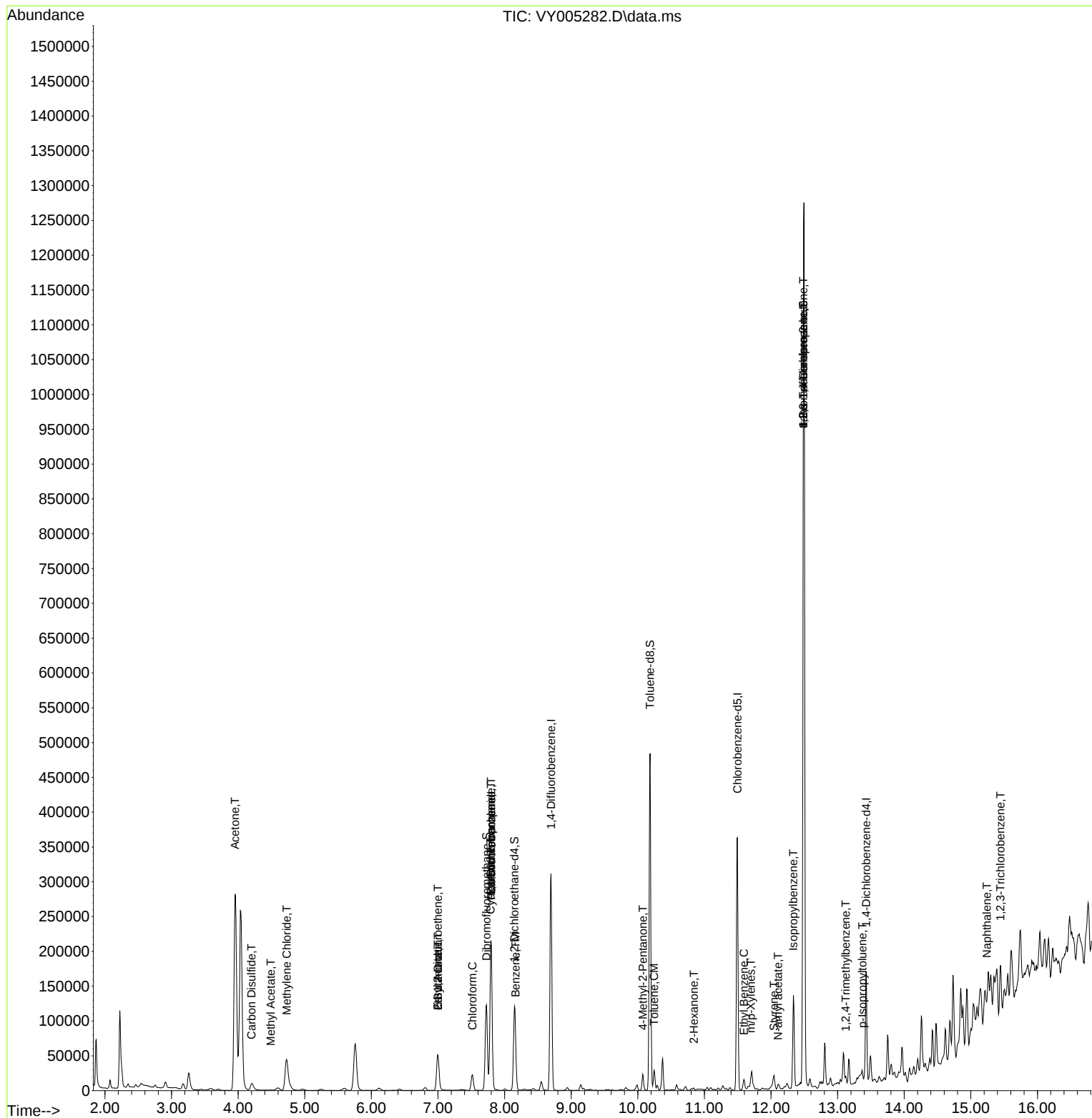
Internal Standards						
1) Pentafluorobenzene	7.801	168	188076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	284345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	214224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87745	56.22	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.44%			
35) Dibromofluoromethane	7.728	113	86954	51.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.70%			
50) Toluene-d8	10.185	98	321367	47.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.84%			
62) 4-Bromofluorobenzene	12.483	95	71566	32.02	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 64.04%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	3850	Below Cal		100
16) Acetone	3.954	43	494968	1372.79	ug/l	100
17) Carbon Disulfide	4.198	76	15255	3.11	ug/l	97
18) Methyl Acetate	4.491	43	1034	1.08	ug/l #	55
20) Methylene Chloride	4.729	84	35773	12.10	ug/l	98
25) 2-Butanone	6.996	43	74631	141.95	ug/l	94
27) cis-1,2-Dichloroethene	6.996	96	4878	2.50	ug/l	87
30) Chloroform	7.515	83	21780	7.42	ug/l	99
31) Cyclohexane	7.789	56	3868	1.39	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	11640	4.65	ug/l #	48
37) Ethyl Acetate	6.996	43	74631	57.80	ug/l #	75
38) Carbon Tetrachloride	7.795	117	15685	5.98	ug/l #	16
40) Benzene	8.167	78	19359	2.62	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	13346	10.74	ug/l	97
52) Toluene	10.246	92	11691	2.48	ug/l	98
59) 2-Hexanone	10.843	43	2942	3.44	ug/l	72
67) Ethyl Benzene	11.593	91	8049	1.10	ug/l	99
68) m/p-Xylenes	11.697	106	4158	1.42	ug/l	93
70) Styrene	12.044	104	7870	1.69	ug/l	97
73) Isopropylbenzene	12.337	105	7016	2.51	ug/l #	70
74) N-amyl acetate	12.105	43	4066	6.15	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	39986	104.65	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39986	195.25	ug/l #	20
84) 1,2,4-Trimethylbenzene	13.123	105	5664	2.48	ug/l	95
86) p-Isopropyltoluene	13.373	119	7537	2.91	ug/l #	82
95) Naphthalene	15.239	128	23894	14.64	ug/l	96
96) 1,2,3-Trichlorobenzene	15.446	180	6565	8.43	ug/l #	23

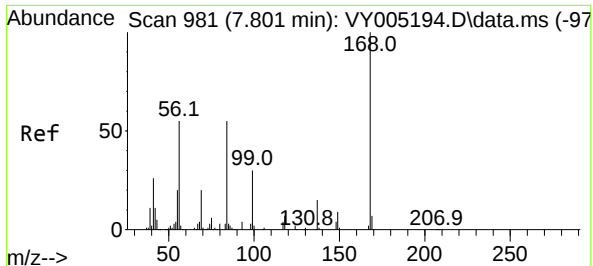
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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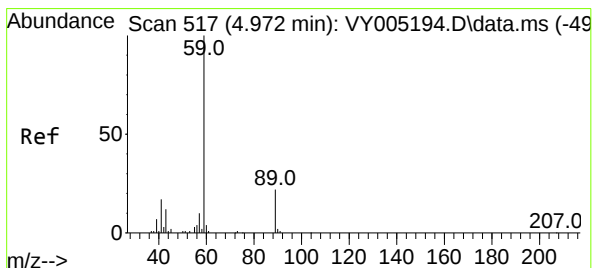
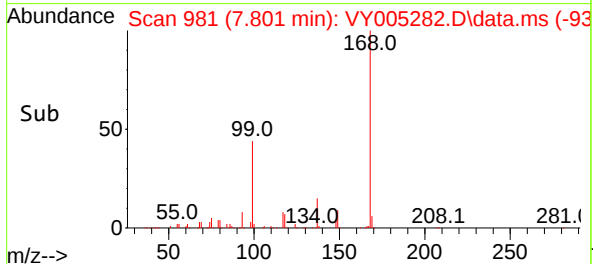
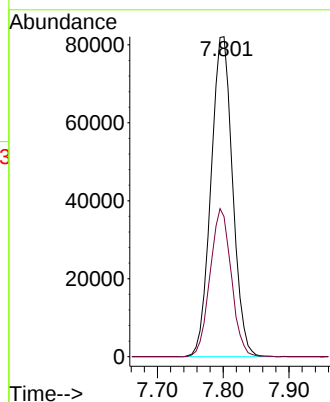
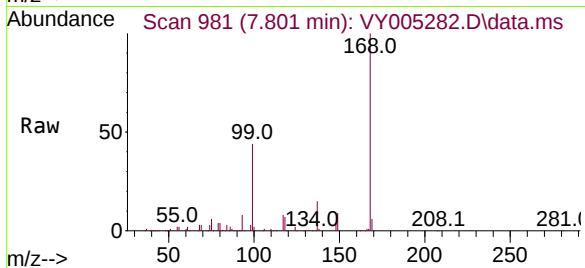




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

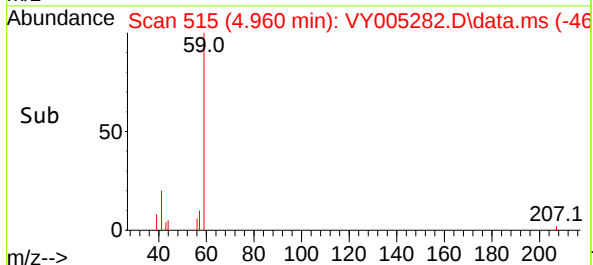
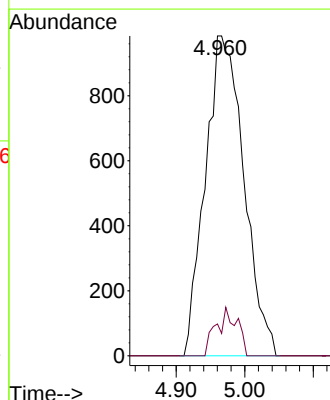
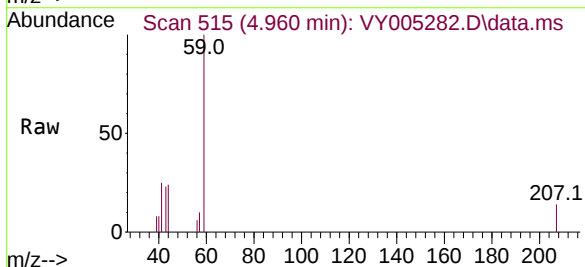
Instrument :
MSVOA_Y
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26878

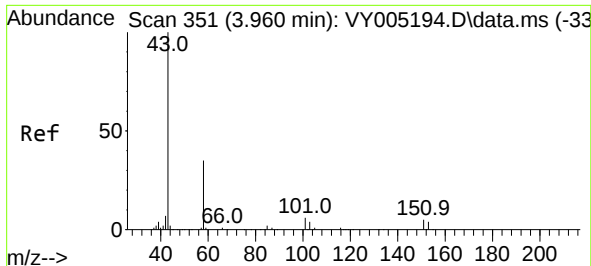
Tgt Ion:168 Resp: 188076
Ion Ratio Lower Upper
168 100
99 43.8 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 59 Resp: 3850
Ion Ratio Lower Upper
59 100
57 8.2 6.5 9.7

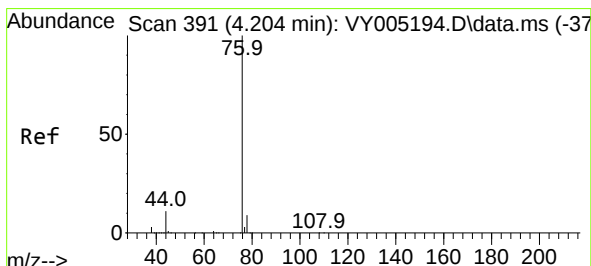
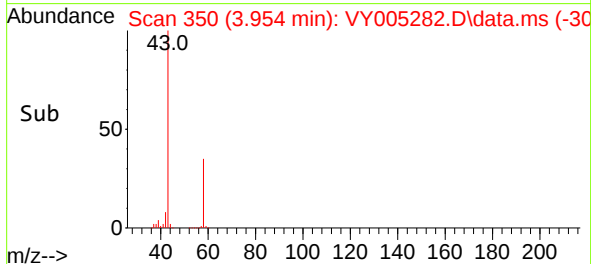
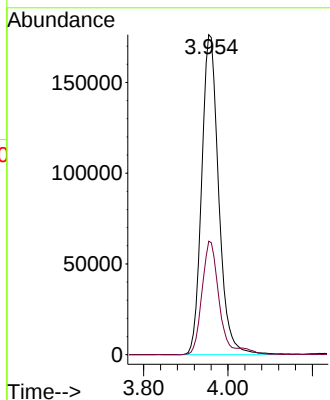
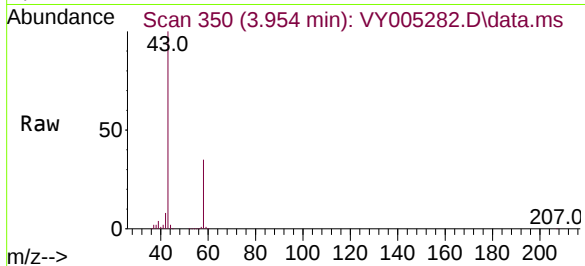




#16
Acetone
Concen: 1372.79 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

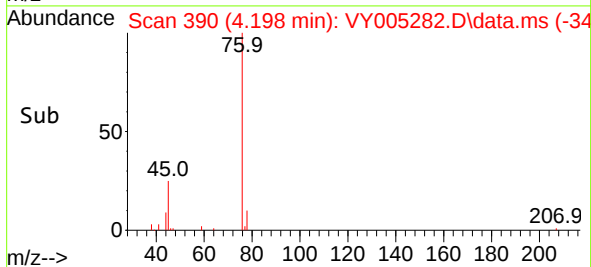
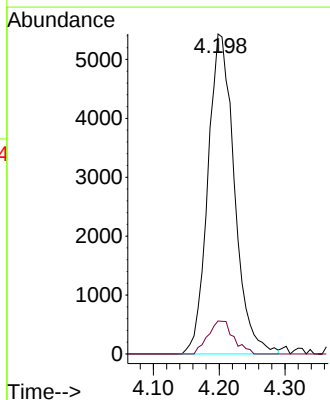
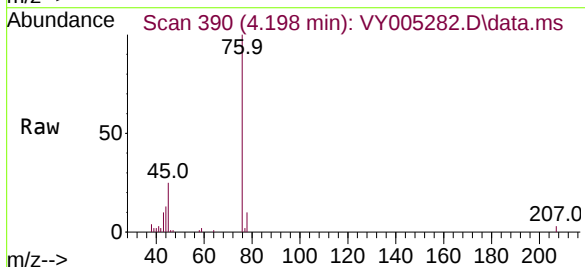
Instrument :
MSVOA_Y
ClientSampleId :
26878

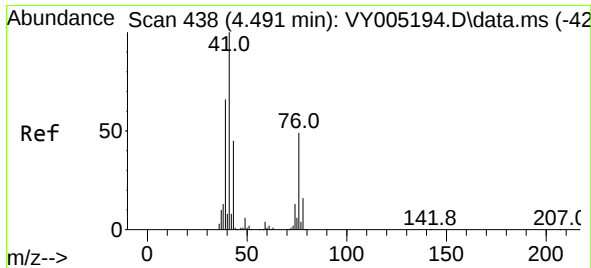
Tgt Ion: 43 Resp: 494968
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2



#17
Carbon Disulfide
Concen: 3.11 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 76 Resp: 15255
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

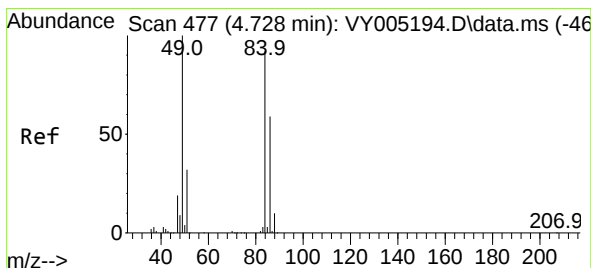
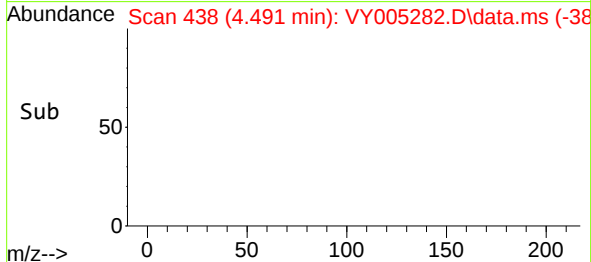
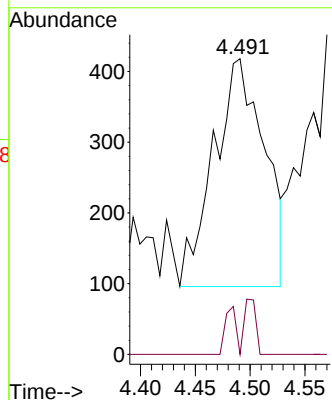
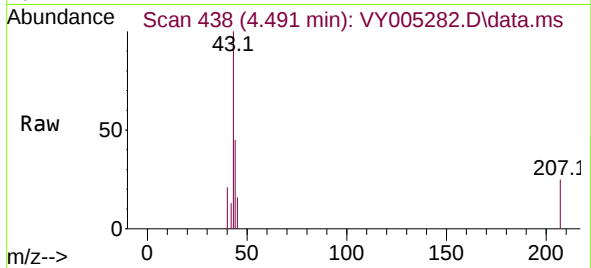




#18
Methyl Acetate
Concen: 1.08 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

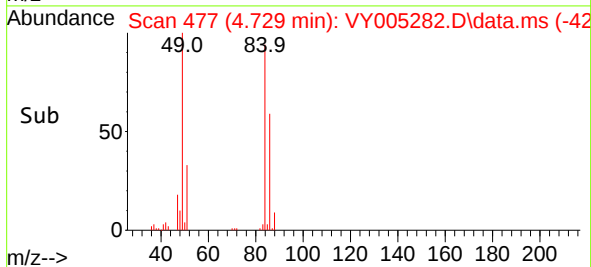
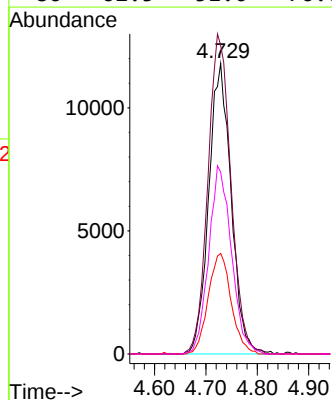
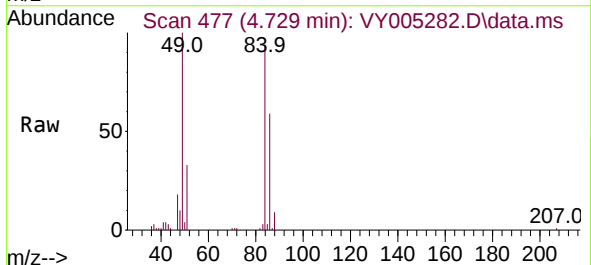
Instrument :
MSVOA_Y
ClientSampleId :
26878

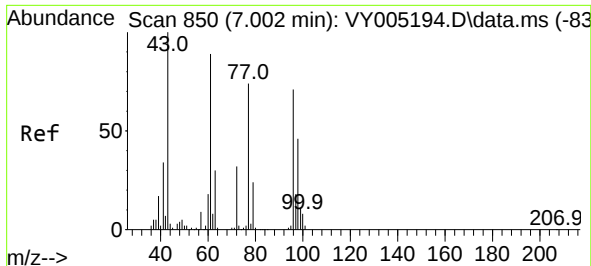
Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
74 4.4 22.5 33.7#



#20
Methylene Chloride
Concen: 12.10 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 84 Resp: 35773
Ion Ratio Lower Upper
84 100
49 106.1 86.9 130.3
51 34.6 27.4 41.2
86 62.5 51.0 76.6

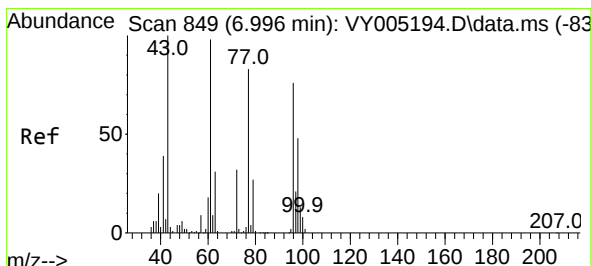
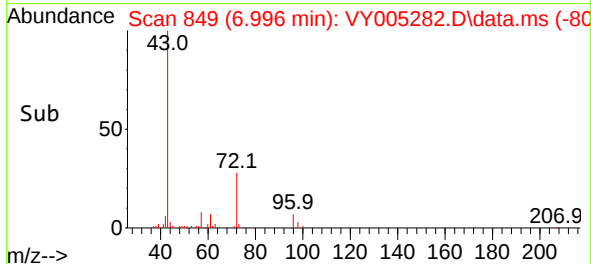
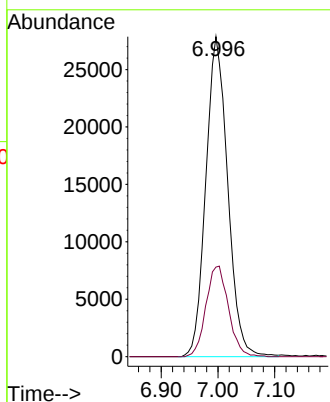
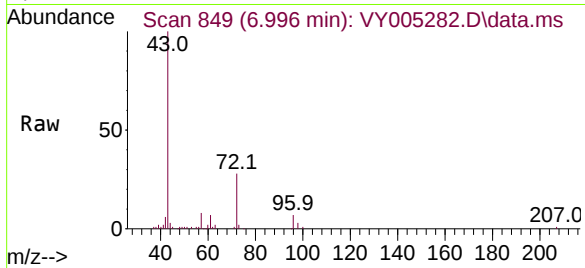




#25
2-Butanone
Concen: 141.95 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

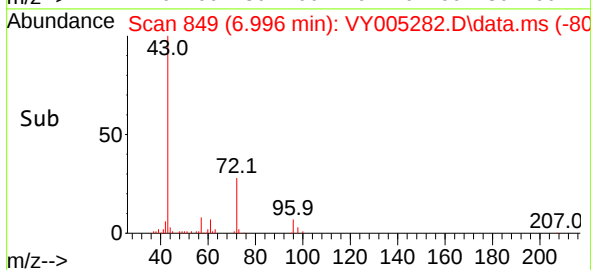
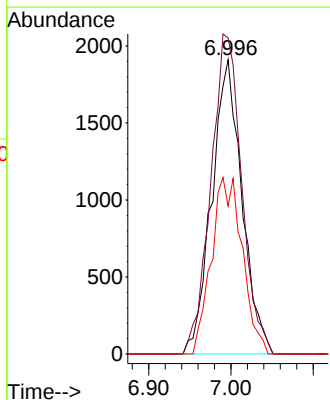
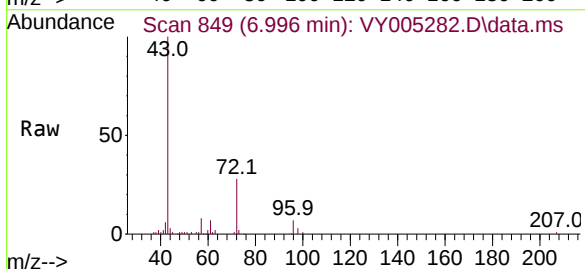
Instrument :
MSVOA_Y
ClientSampleId :
26878

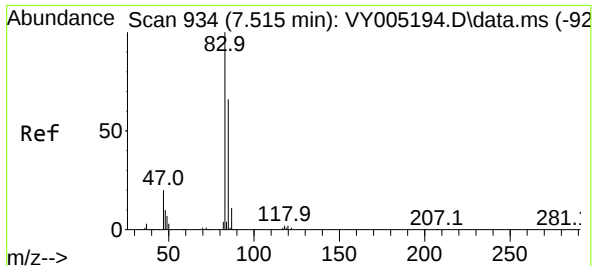
Tgt Ion: 43 Resp: 74631
Ion Ratio Lower Upper
43 100
72 28.0 25.3 37.9



#27
cis-1,2-Dichloroethene
Concen: 2.50 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 96 Resp: 4878
Ion Ratio Lower Upper
96 100
61 111.0 0.0 261.6
98 61.4 0.0 129.4





#30

Chloroform

Concen: 7.42 ug/l

RT: 7.515 min Scan# 934

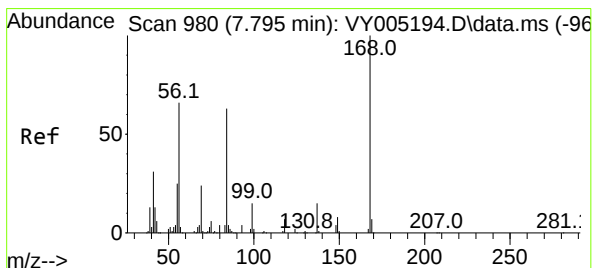
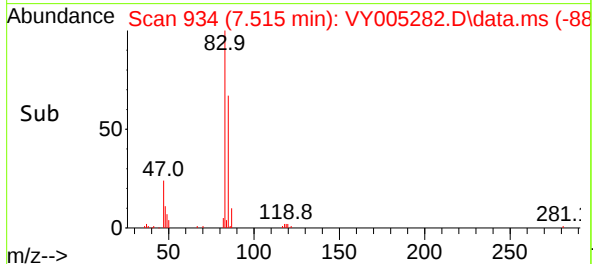
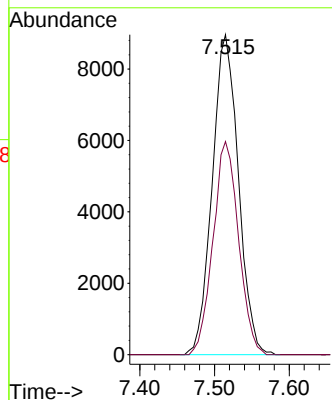
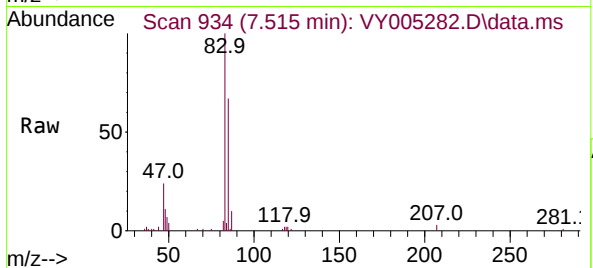
Delta R.T. 0.000 min

Lab File: VY005282.D

Acq: 29 Jun 2021 17:51

Tgt Ion: 83 Resp: 21780

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.7	79.1



#31

Cyclohexane

Concen: 1.39 ug/l

RT: 7.789 min Scan# 979

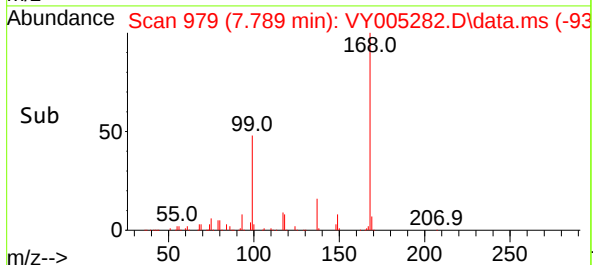
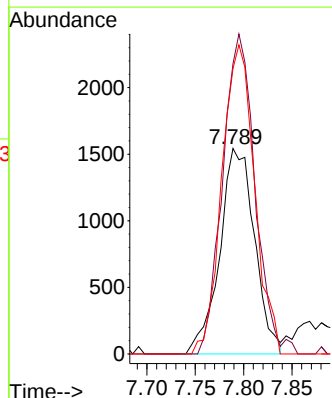
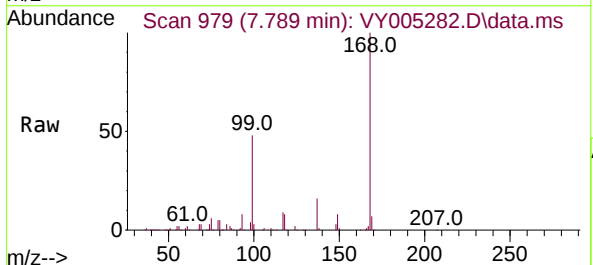
Delta R.T. -0.006 min

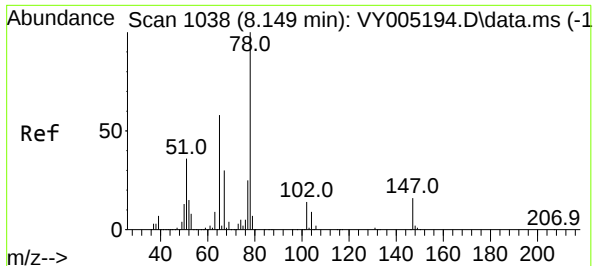
Lab File: VY005282.D

Acq: 29 Jun 2021 17:51

Tgt Ion: 56 Resp: 3868

Ion	Ratio	Lower	Upper
56	100		
69	141.2	29.6	44.4#
84	139.0	76.4	114.6#

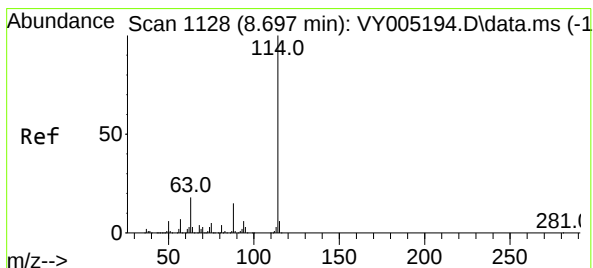
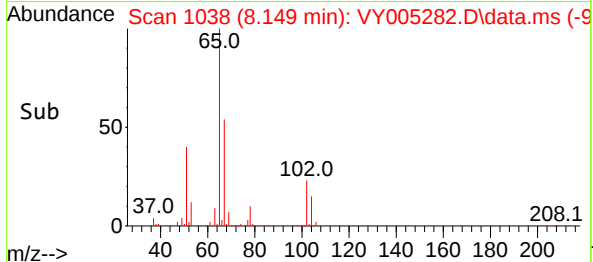
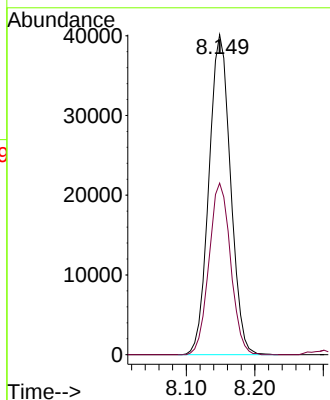
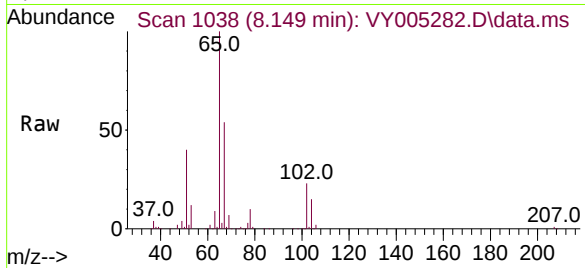




#33
1,2-Dichloroethane-d4
Concen: 56.22 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

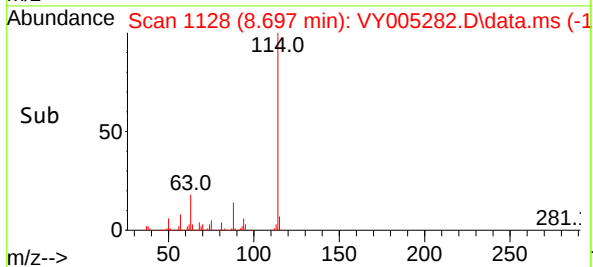
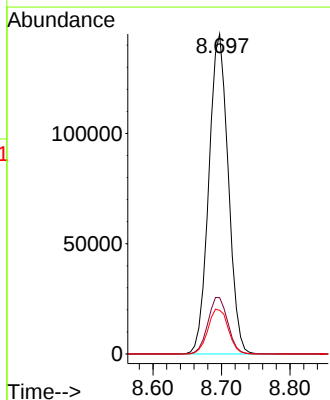
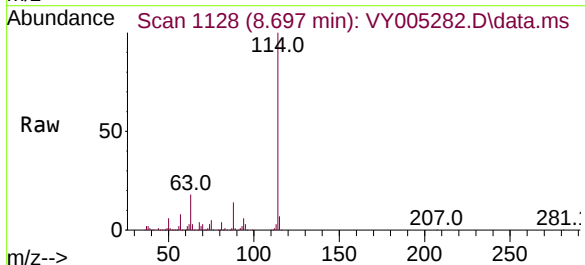
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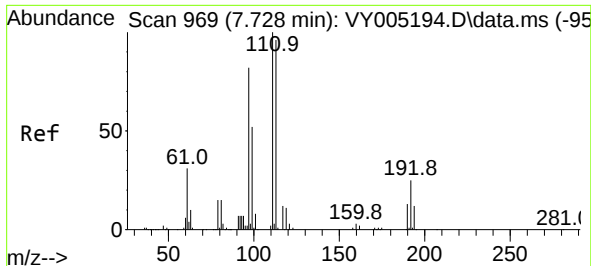
Tgt Ion: 65 Resp: 87745
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion:114 Resp: 284345
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.2
88 13.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.85 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY005282.D

Acq: 29 Jun 2021 17:51

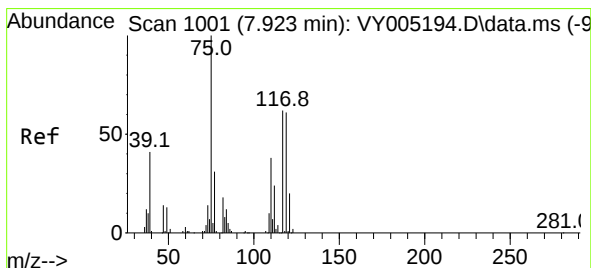
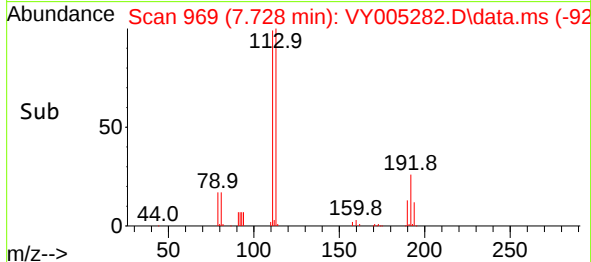
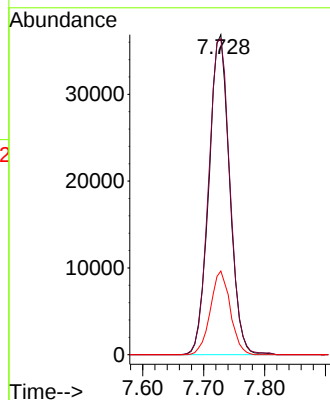
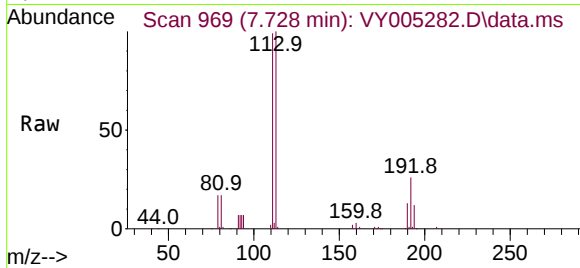
Tgt Ion:113 Resp: 86954

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 25.2 20.2 30.2



#36

1,1-Dichloropropene

Concen: 4.65 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005282.D

Acq: 29 Jun 2021 17:51

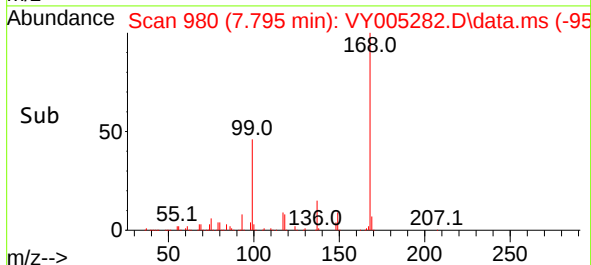
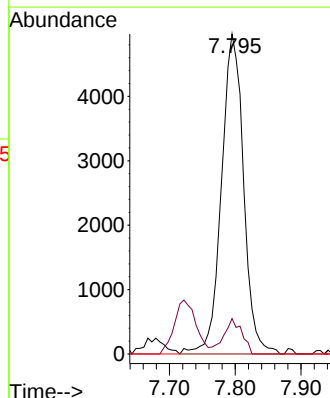
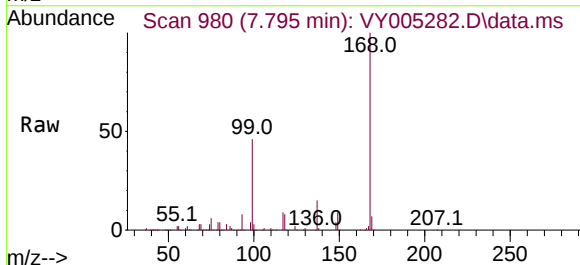
Tgt Ion: 75 Resp: 11640

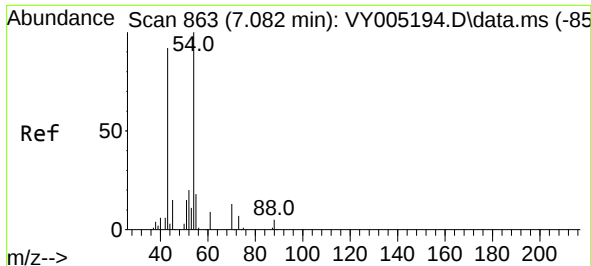
Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.5#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 57.80 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY005282.D

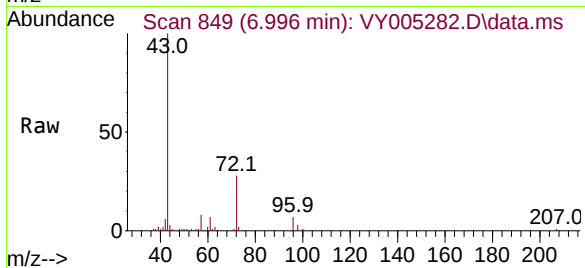
Acq: 29 Jun 2021 17:51

Instrument :

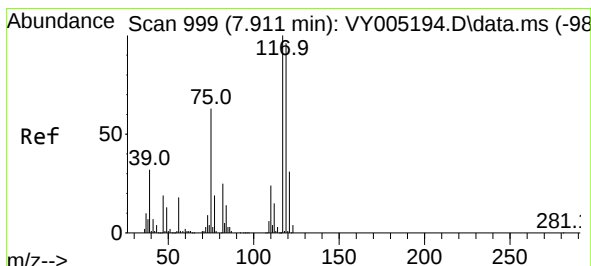
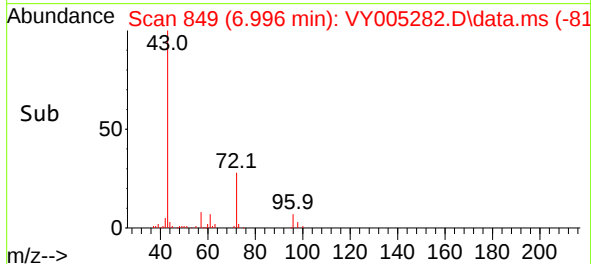
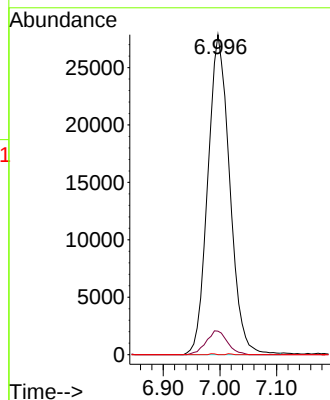
MSVOA_Y

ClientSampleId :

26878



Tgt Ion:	43	Resp:	74631
Ion	Ratio	Lower	Upper
43	100		
61	7.3	12.8	19.2#
70	0.1	9.7	14.5#



#38

Carbon Tetrachloride

Concen: 5.98 ug/l

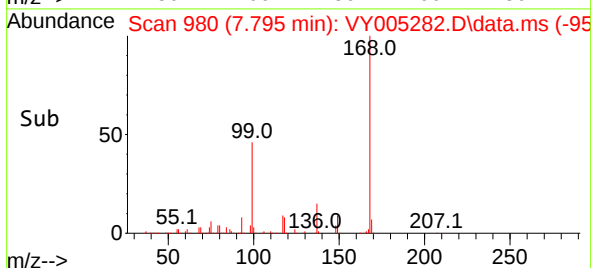
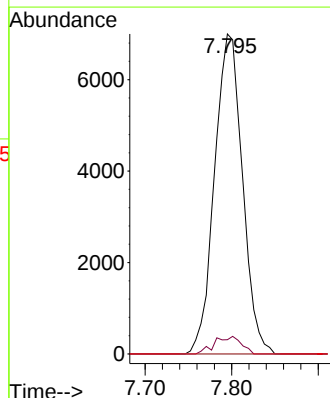
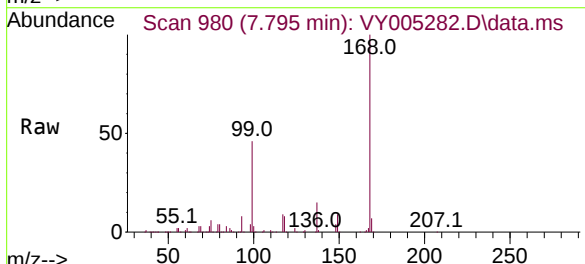
RT: 7.795 min Scan# 980

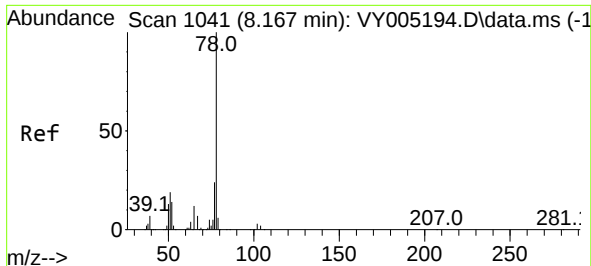
Delta R.T. -0.116 min

Lab File: VY005282.D

Acq: 29 Jun 2021 17:51

Tgt Ion:	117	Resp:	15685
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.2	114.4#
121	0.0	24.7	37.1#

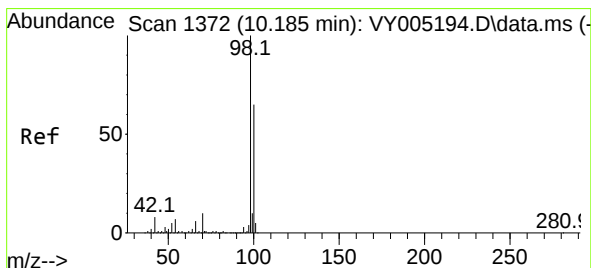
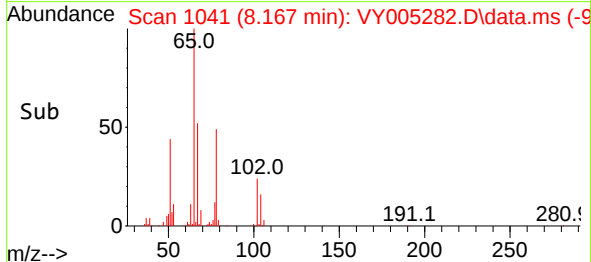
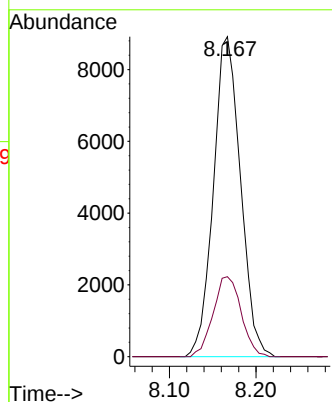
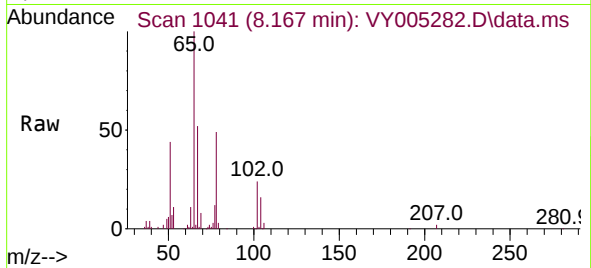




#40
Benzene
Concen: 2.62 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

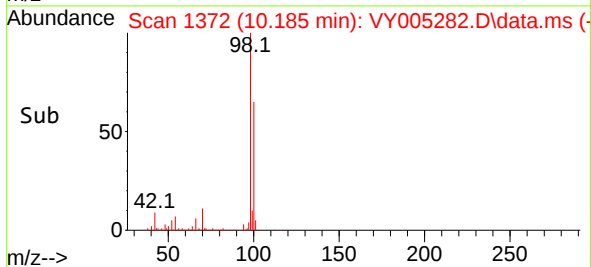
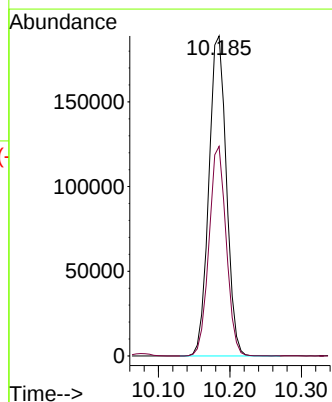
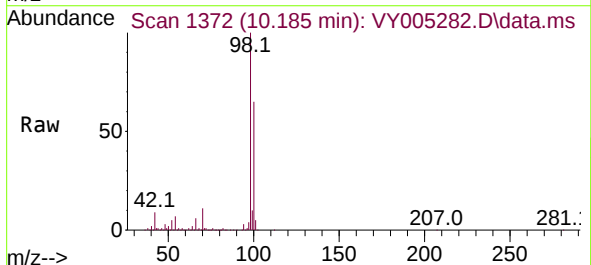
Instrument :
MSVOA_Y
ClientSampled :
26878

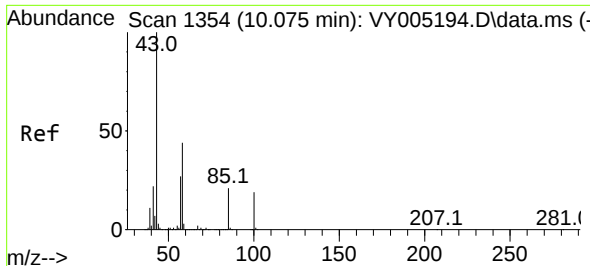
Tgt Ion: 78 Resp: 19359
Ion Ratio Lower Upper
78 100
77 25.0 19.1 28.7



#50
Toluene-d8
Concen: 47.92 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 98 Resp: 321367
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

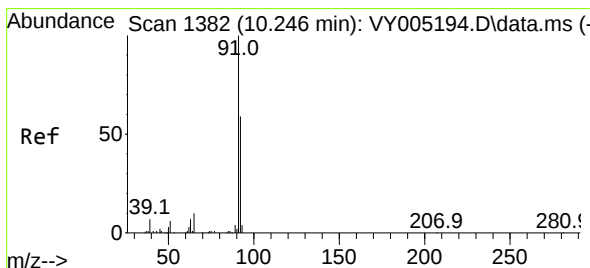
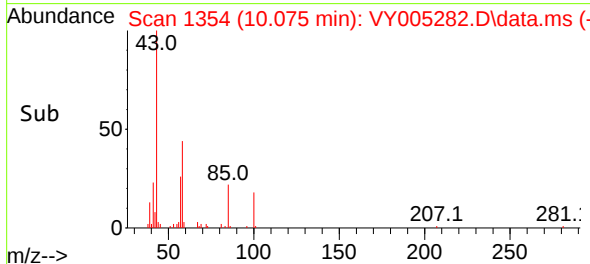
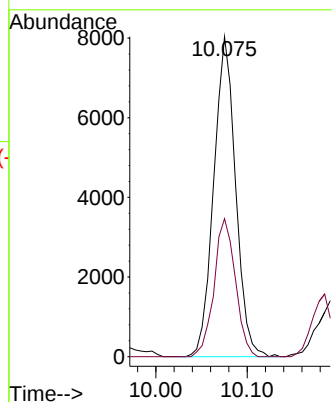
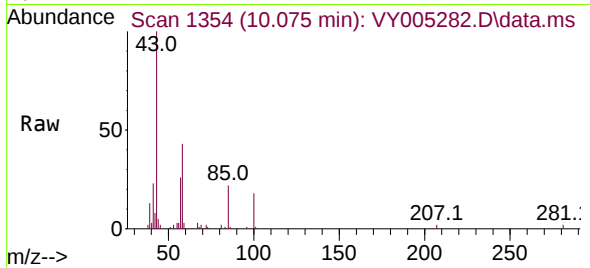




#51
4-Methyl-2-Pentanone
Concen: 10.74 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

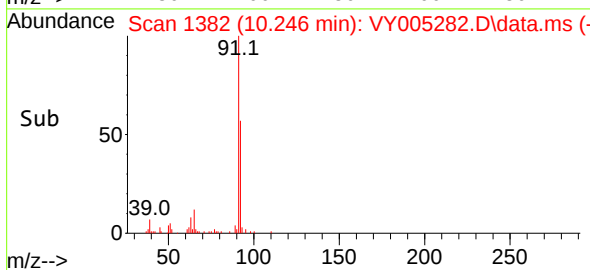
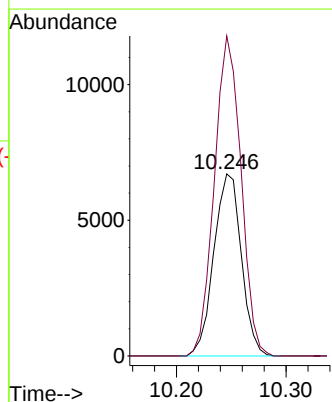
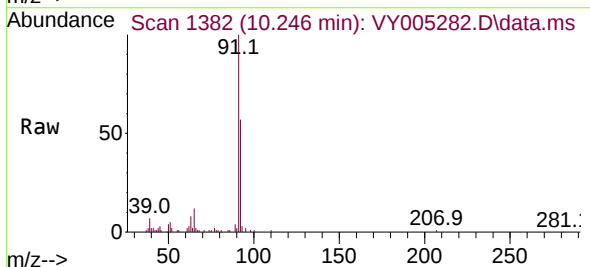
Instrument :
MSVOA_Y
ClientSampled :
26878

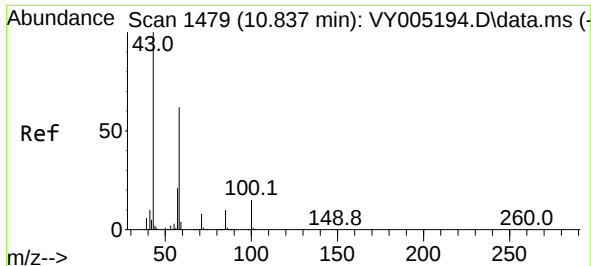
Tgt Ion: 43 Resp: 13346
Ion Ratio Lower Upper
43 100
58 42.0 35.3 52.9



#52
Toluene
Concen: 2.48 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 92 Resp: 11691
Ion Ratio Lower Upper
92 100
91 170.6 138.3 207.5

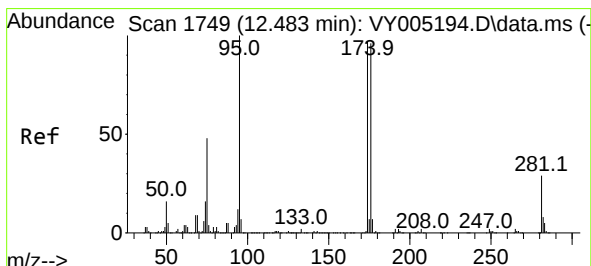
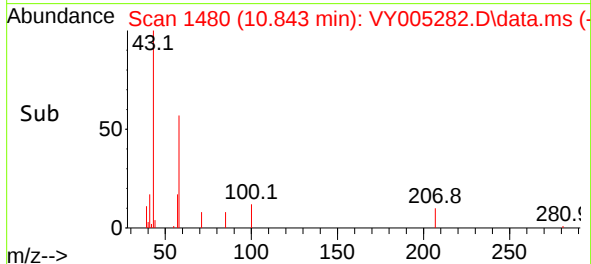
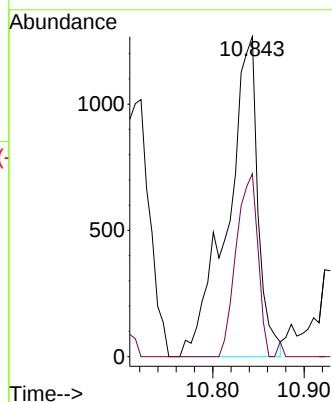
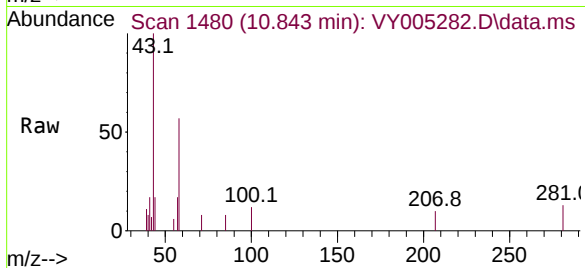




#59
2-Hexanone
Concen: 3.44 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

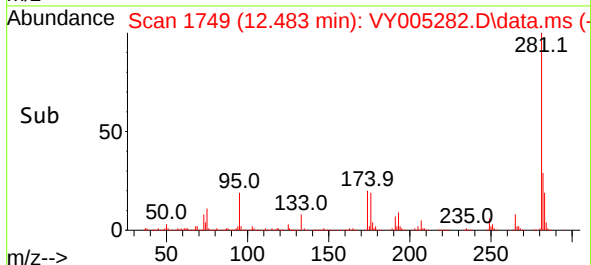
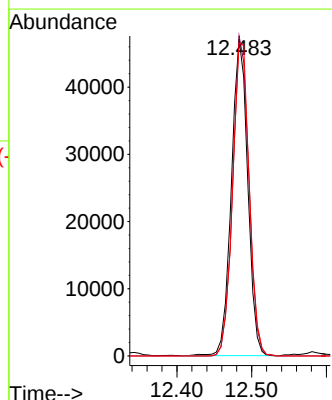
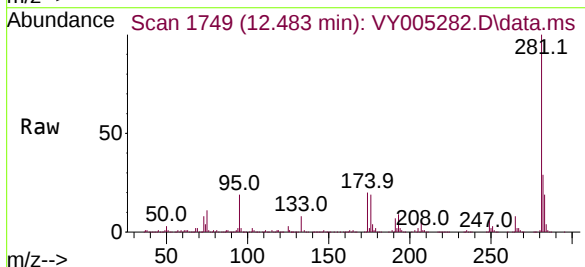
Instrument :
MSVOA_Y
ClientSampled :
26878

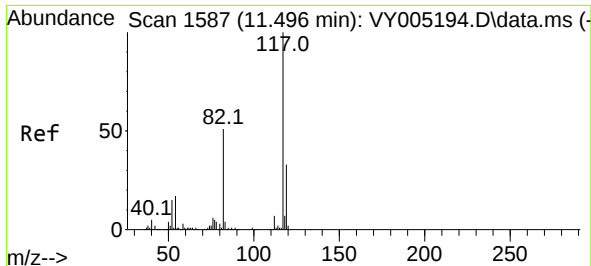
Tgt Ion: 43 Resp: 2942
Ion Ratio Lower Upper
43 100
58 40.4 30.8 92.4



#62
4-Bromofluorobenzene
Concen: 32.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 95 Resp: 71566
Ion Ratio Lower Upper
95 100
174 99.5 0.0 201.6
176 101.0 0.0 197.4

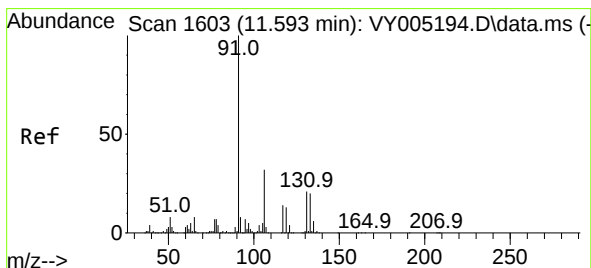
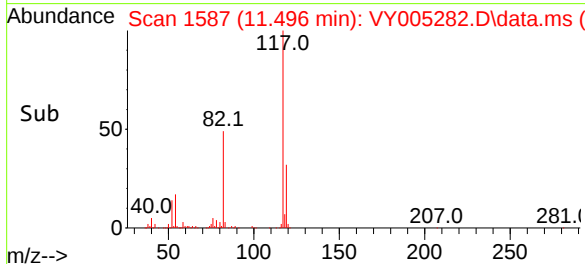
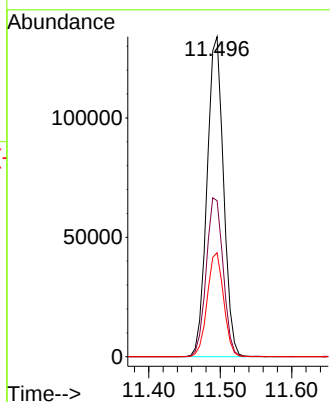
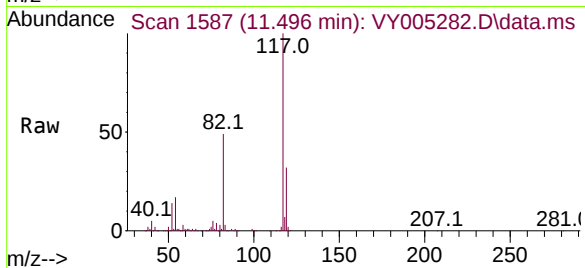




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

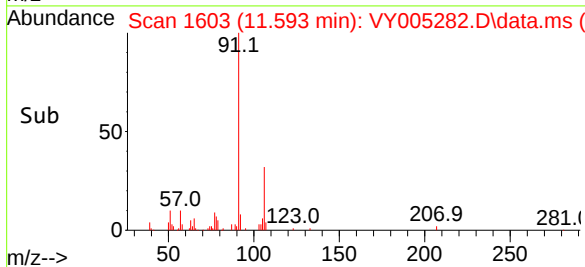
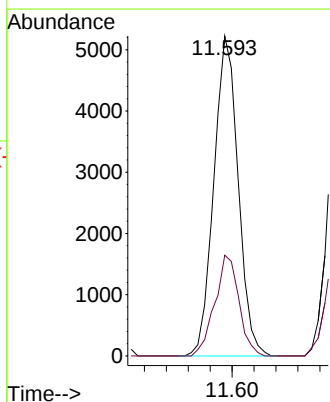
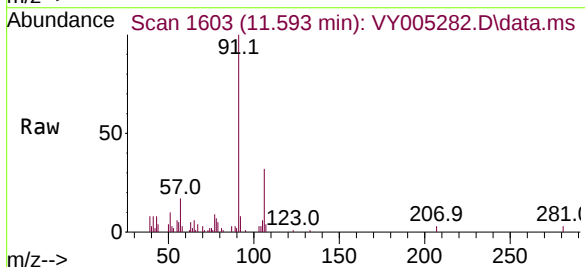
Instrument :
MSVOA_Y
ClientSampleId :
26878

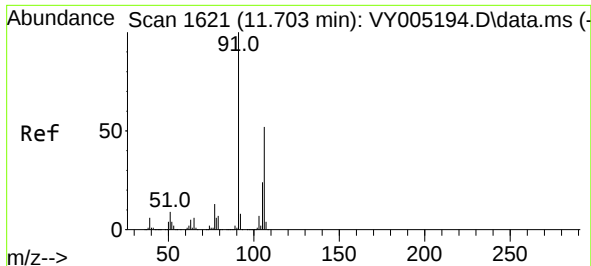
Tgt Ion:	117	Resp:	214224
Ion	Ratio	Lower	Upper
117	100		
82	48.8	40.6	60.8
119	32.5	26.1	39.1



#67
Ethyl Benzene
Concen: 1.10 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion:	91	Resp:	8049
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.6

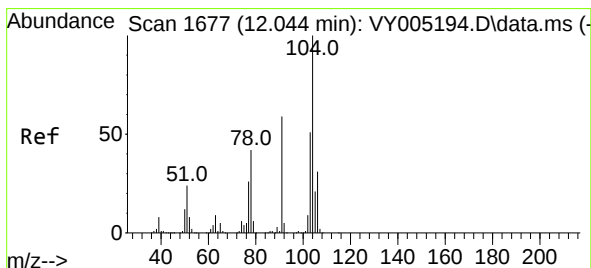
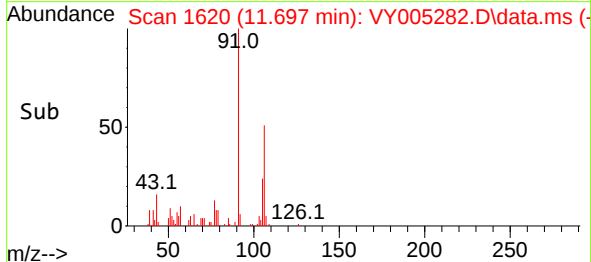
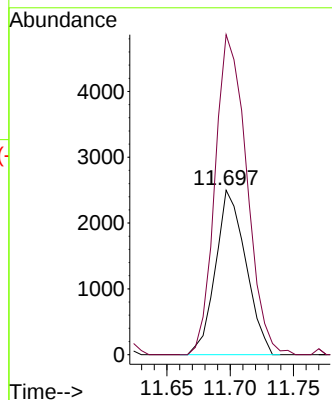
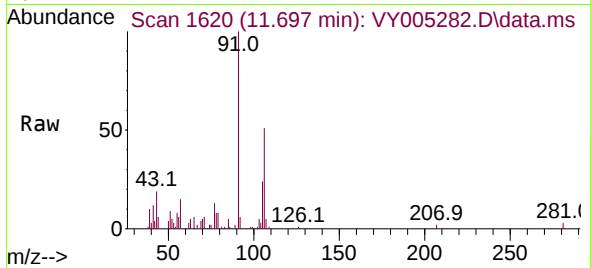




#68
m/p-Xylenes
Concen: 1.42 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

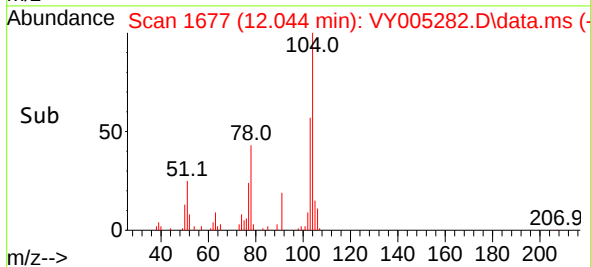
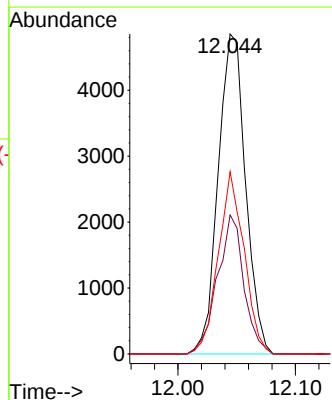
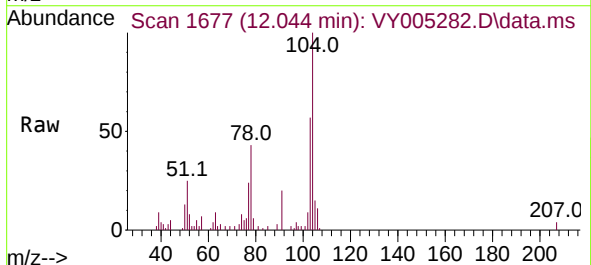
Instrument :
MSVOA_Y
ClientSampleId :
26878

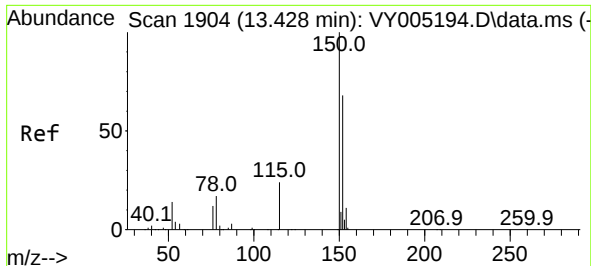
Tgt Ion:106 Resp: 4158
Ion Ratio Lower Upper
106 100
91 203.3 154.8 232.2



#70
Styrene
Concen: 1.69 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion:104 Resp: 7870
Ion Ratio Lower Upper
104 100
78 42.0 36.4 54.6
103 53.6 43.8 65.8

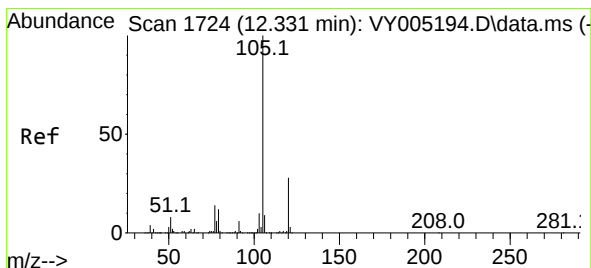
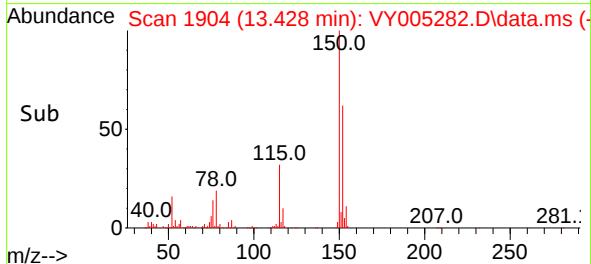
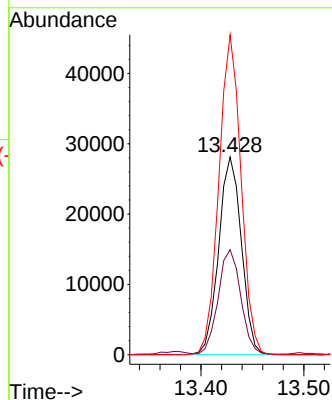
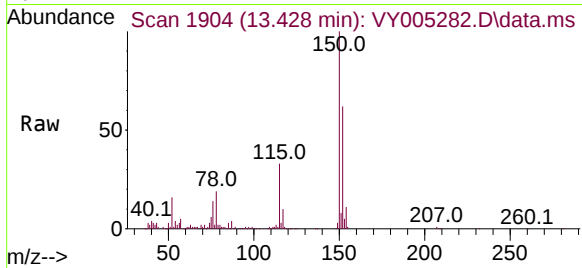




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

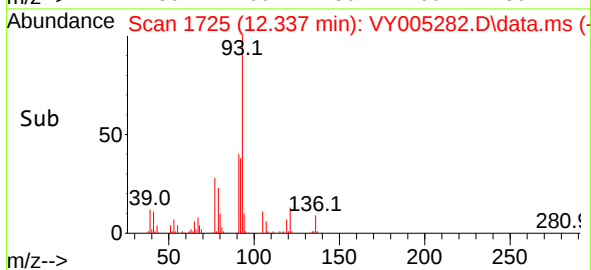
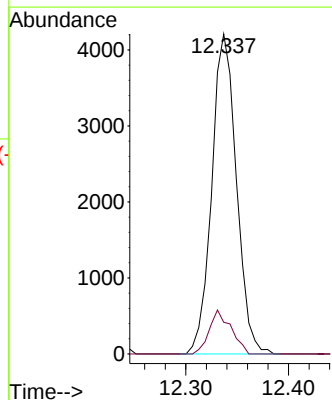
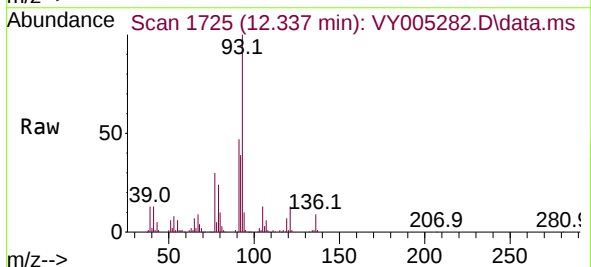
Instrument :
MSVOA_Y
ClientSampleId :
26878

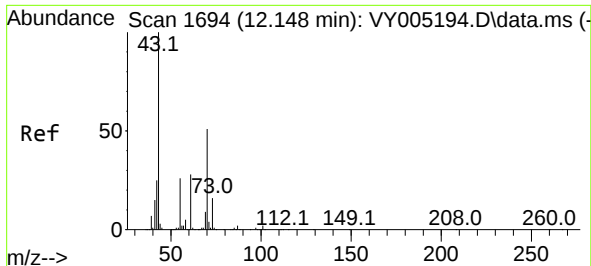
Tgt Ion:152 Resp: 43082
Ion Ratio Lower Upper
152 100
115 53.3 26.3 78.8
150 157.8 0.0 344.2



#73
Isopropylbenzene
Concen: 2.51 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

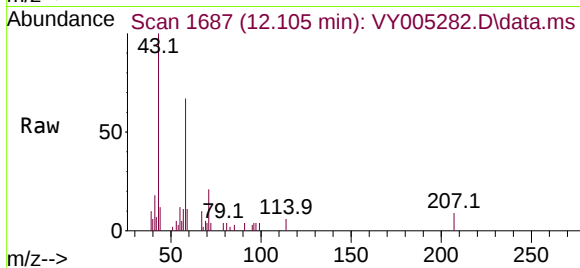
Tgt Ion:105 Resp: 7016
Ion Ratio Lower Upper
105 100
120 12.2 14.0 42.0#



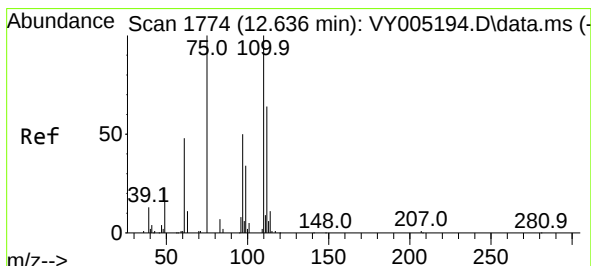
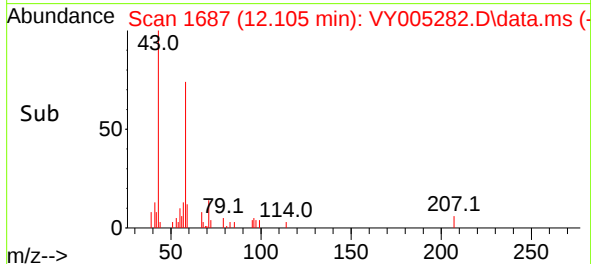
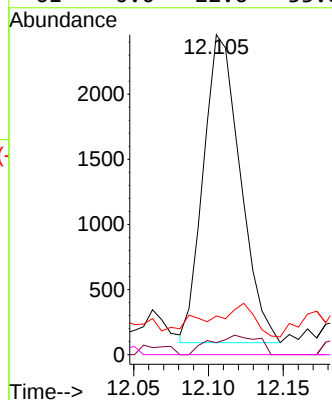


#74
N-amy1 acetate
Concen: 6.15 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Instrument :
MSVOA_Y
ClientSampleId :
26878

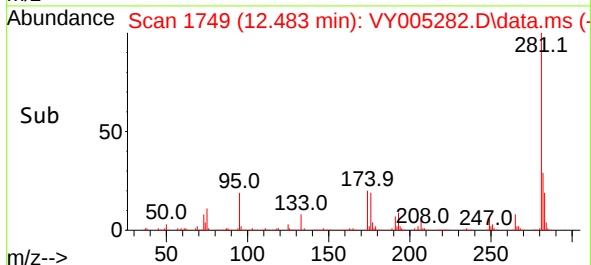
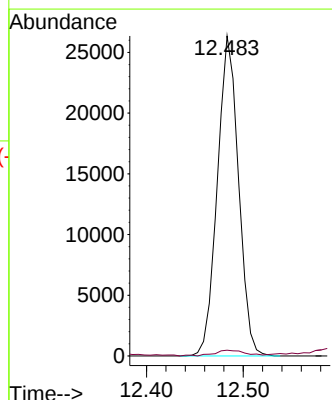
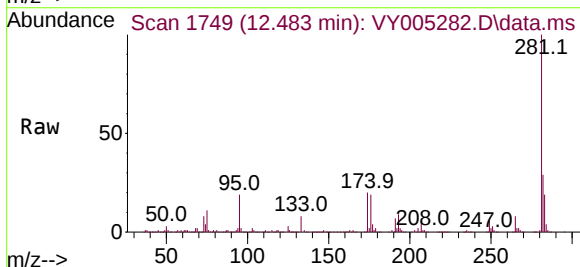


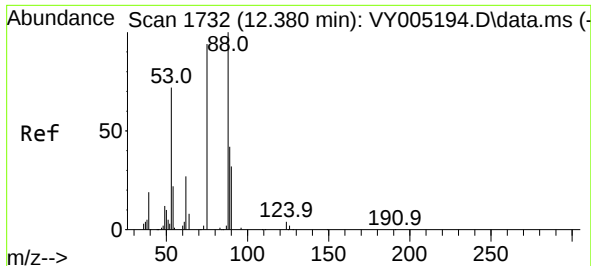
Tgt Ion: 43	Resp: 4066
Ion Ratio	Lower Upper
43	100
70	8.2 40.6 61.0#
55	6.3 21.5 32.3#
61	0.0 22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 104.65 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 75	Resp: 39986
Ion Ratio	Lower Upper
75	100
77	2.7 0.0 0.0#

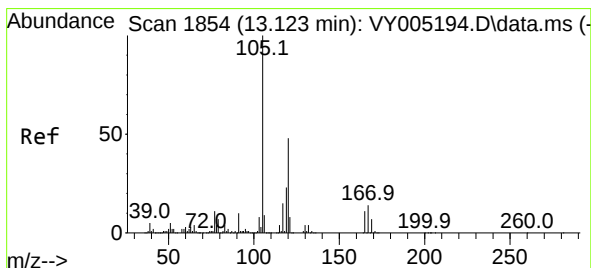
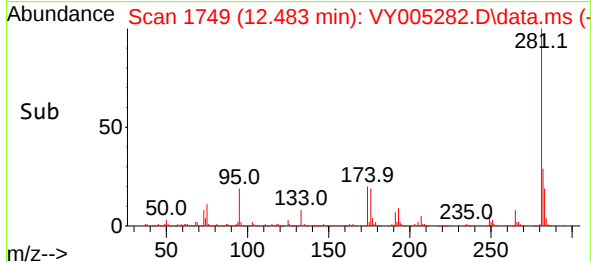
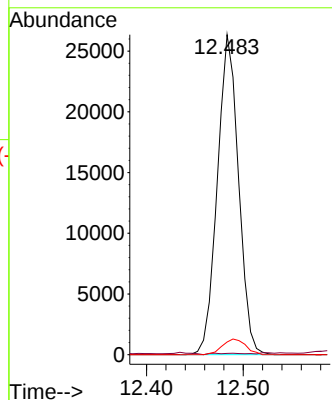
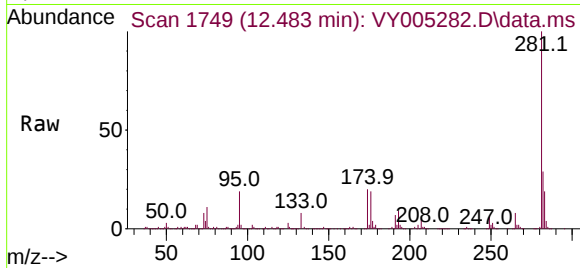




#81
trans-1,4-Dichloro-2-butene
Concen: 195.25 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

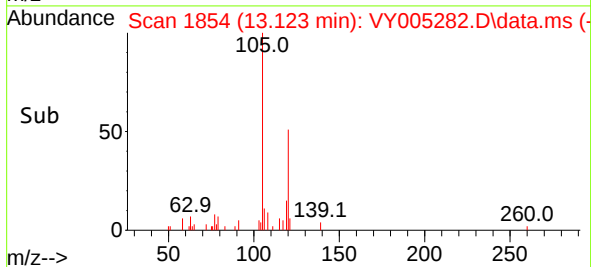
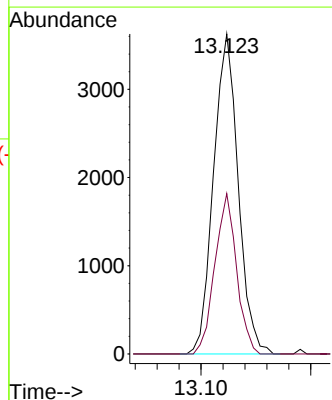
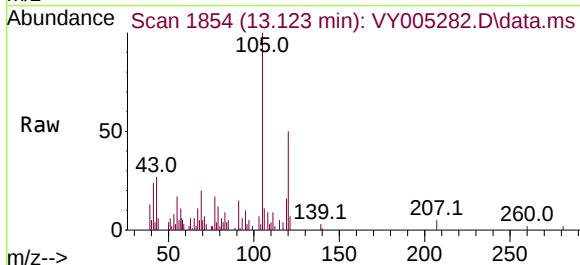
Instrument :
MSVOA_Y
ClientSampleId :
26878

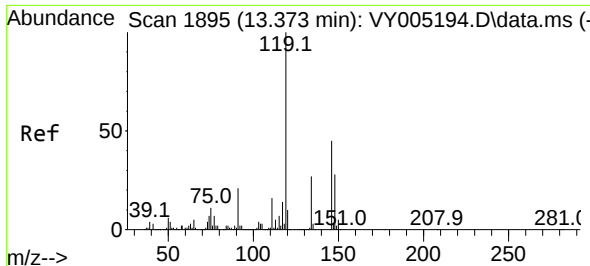
Tgt Ion: 75 Resp: 39986
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 5.4 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.48 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

Tgt Ion: 105 Resp: 5664
Ion Ratio Lower Upper
105 100
120 44.1 23.6 71.0

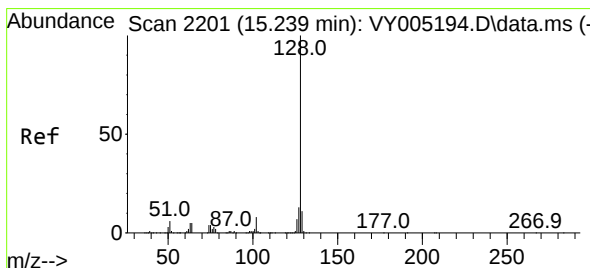
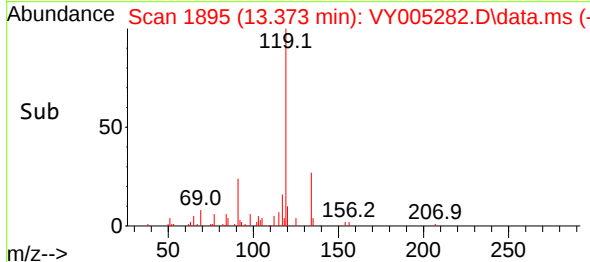
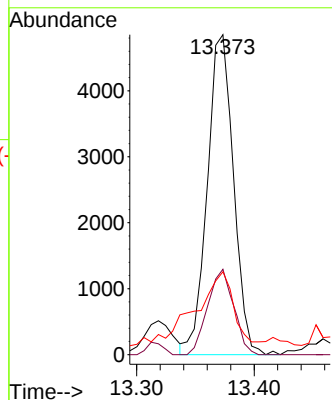
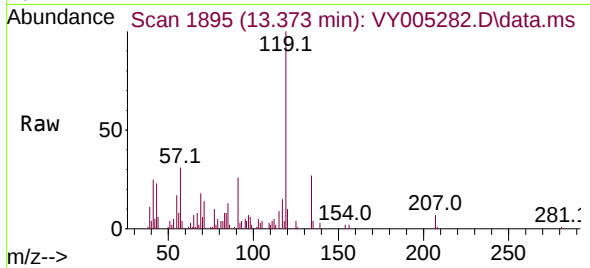




#86
p-Isopropyltoluene
Concen: 2.91 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

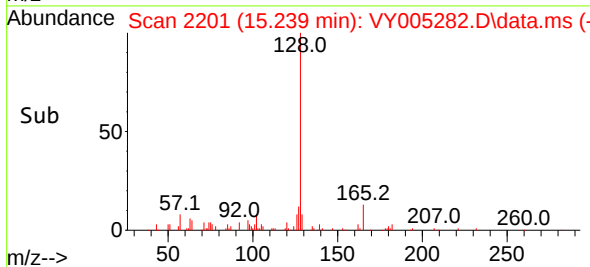
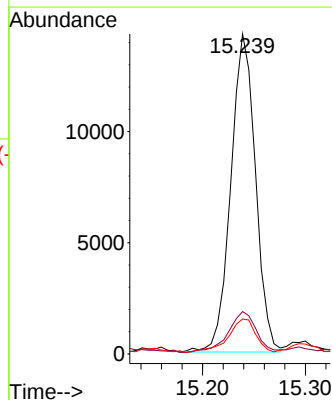
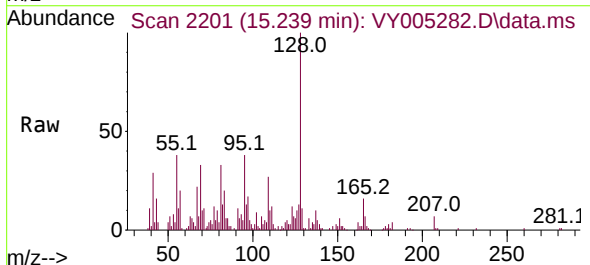
Instrument :
MSVOA_Y
ClientSampleId :
26878

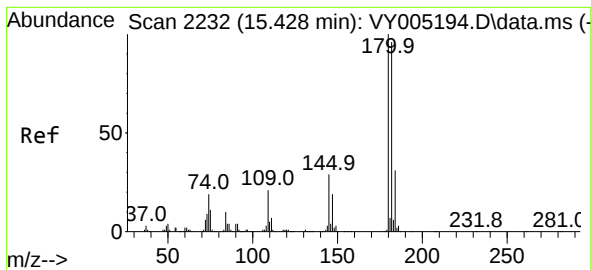
Tgt Ion:	119	Resp:	7537
Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.9	41.6
91	39.8	10.8	32.3#



#95
Naphthalene
Concen: 14.64 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005282.D
Acq: 29 Jun 2021 17:51

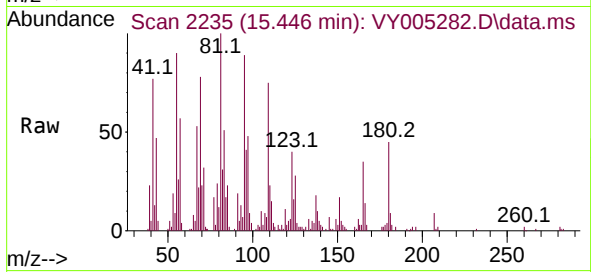
Tgt Ion:	128	Resp:	23894
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	11.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 8.43 ug/l
 RT: 15.446 min Scan# 2235
 Delta R.T. 0.018 min
 Lab File: VY005282.D
 Acq: 29 Jun 2021 17:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 26878



Tgt Ion:180 Resp: 6565
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 32.2 14.1 42.4

