

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032521\
 Data File : VY004201.D
 Acq On : 25 Mar 2021 14:37
 Operator : SY/MD
 Sample : M1812-01
 Misc : 6.13g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Mar 26 01:14:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

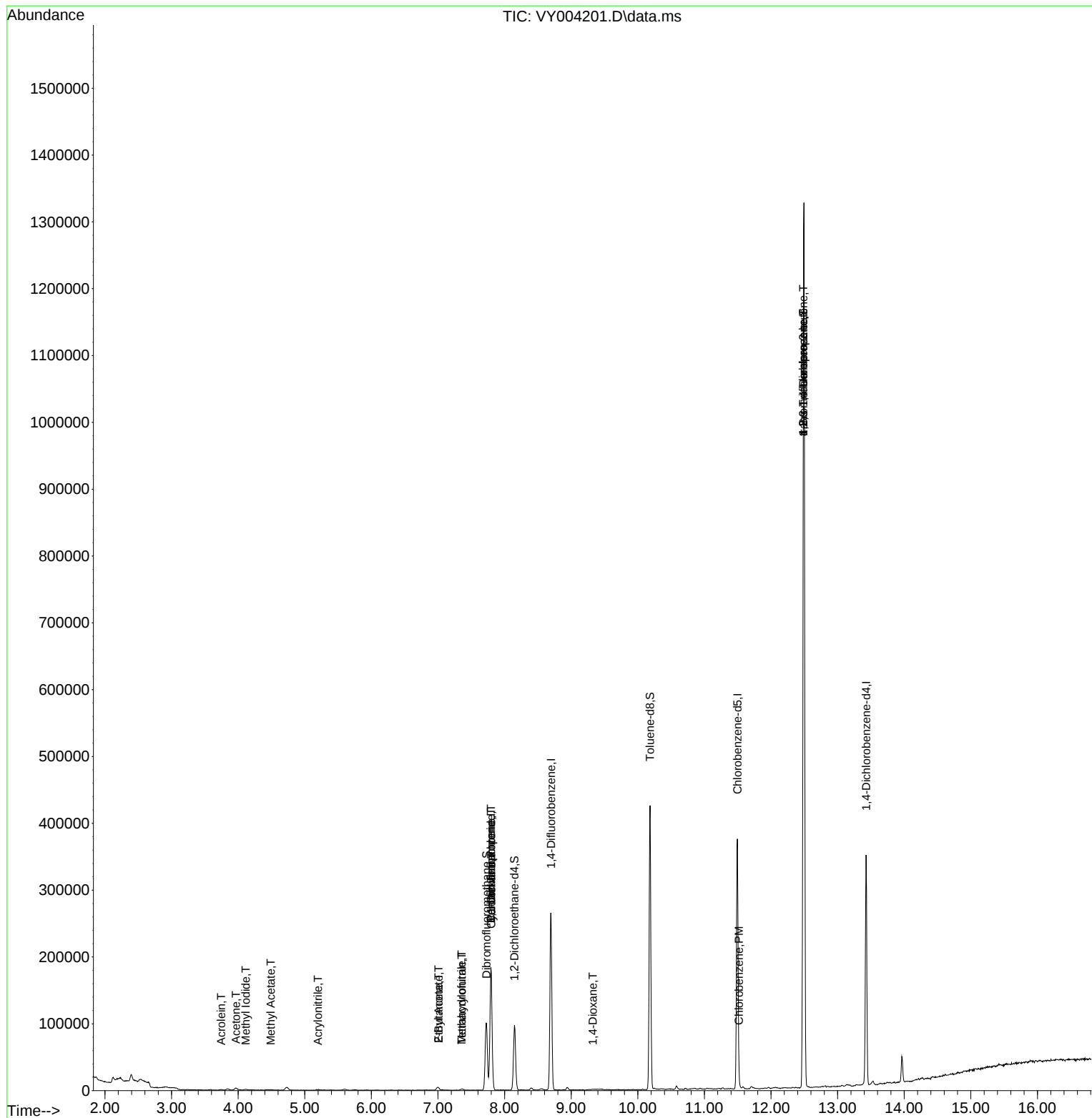
Internal Standards						
1) Pentafluorobenzene	7.795	168	142151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	230810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	202992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	86013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72953	52.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.00%			
35) Dibromofluoromethane	7.728	113	70649	54.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.56%			
50) Toluene-d8	10.185	98	271611	53.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.46%			
62) 4-Bromofluorobenzene	12.483	95	90159	47.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.68%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	3510	Below Cal		95
10) Methyl Iodide	4.113	142	2317	1.78 ug/l #		93
13) Acrolein	3.747	56	1095	8.70 ug/l		87
15) Acrylonitrile	5.198	53	1061	2.92 ug/l #		32
16) Acetone	3.967	43	6462	19.08 ug/l #		79
18) Methyl Acetate	4.491	43	1003	1.20 ug/l #		67
20) Methylene Chloride	4.729	84	3354	Below Cal		92
25) 2-Butanone	7.009	43	3852	7.89 ug/l		99
29) Tetrahydrofuran	7.356	42	1464	4.62 ug/l		97
31) Cyclohexane	7.801	56	2994	1.22 ug/l #		20
36) 1,1-Dichloropropene	7.795	75	10569	5.21 ug/l #		51
37) Ethyl Acetate	7.009	43	3852	3.53 ug/l #		53
38) Carbon Tetrachloride	7.795	117	14096	6.55 ug/l #		16
41) Methacrylonitrile	7.356	41	890	1.31 ug/l #		33
49) 1,4-Dioxane	9.325	88	848	81.70 ug/l #		74
65) Chlorobenzene	11.520	112	5399	1.39 ug/l		90
76) 1,2,3-Trichloropropane	12.483	75	57684	69.94 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	57684	138.04 ug/l #		16

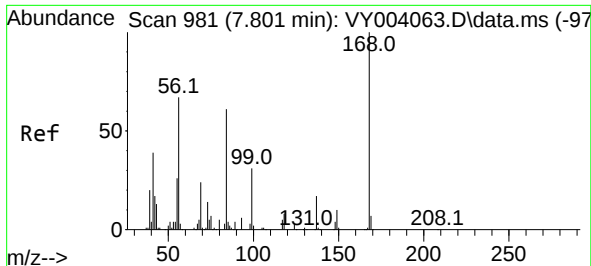
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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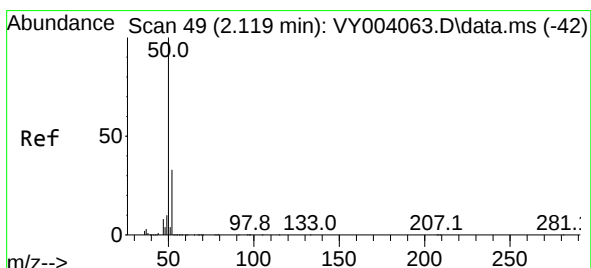
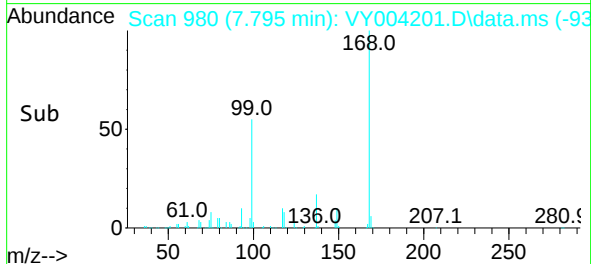
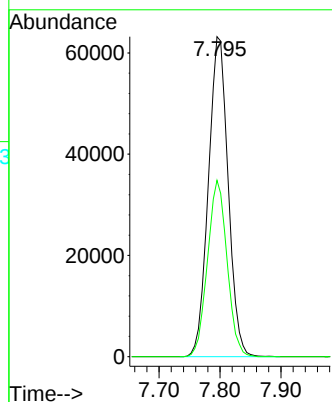
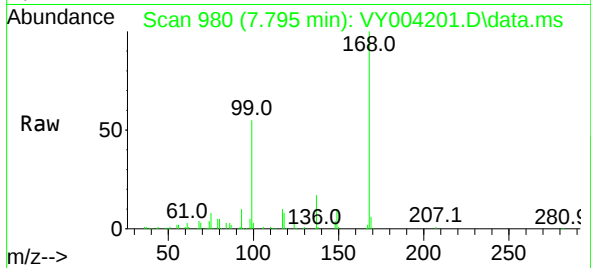




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

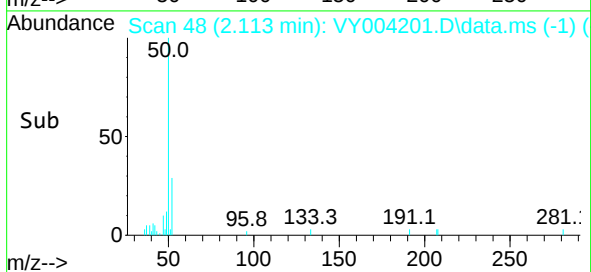
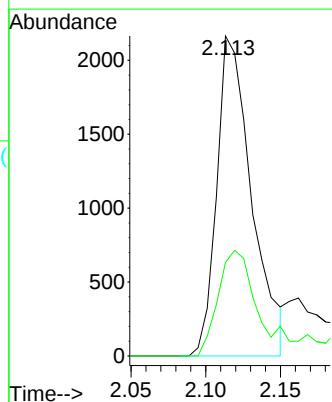
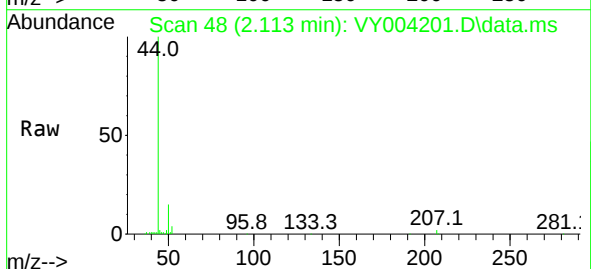
Instrument :
MSVOA_Y
ClientSampled :
TP-1

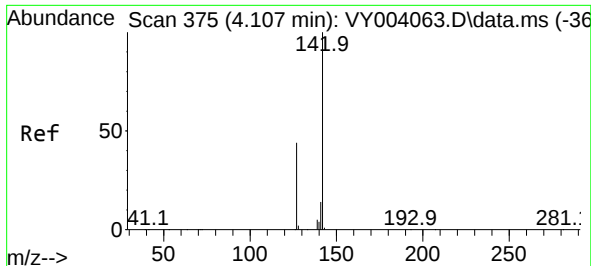
Tgt Ion:168 Resp: 142151
Ion Ratio Lower Upper
168 100
99 55.1 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 50 Resp: 3510
Ion Ratio Lower Upper
50 100
52 29.2 25.4 38.2

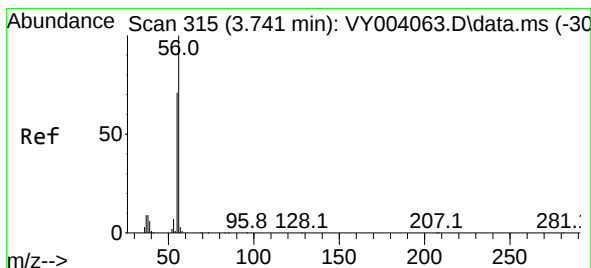
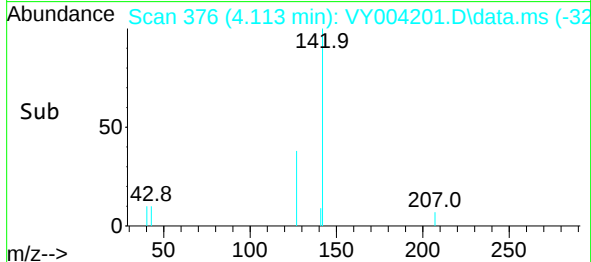
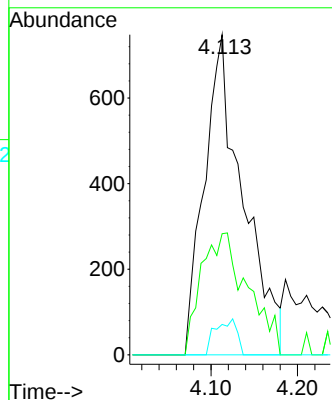
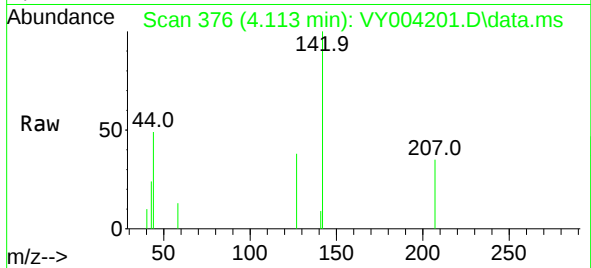




#10
Methyl Iodide
Concen: 1.78 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

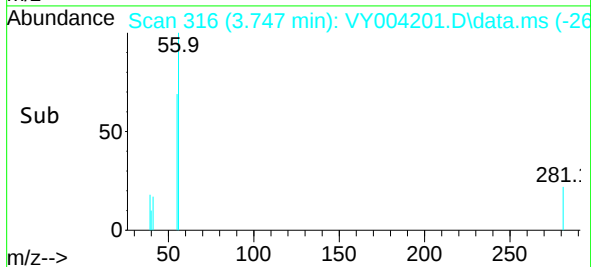
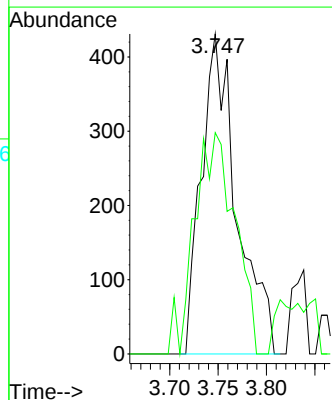
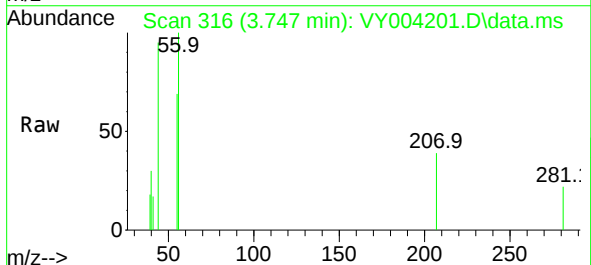
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

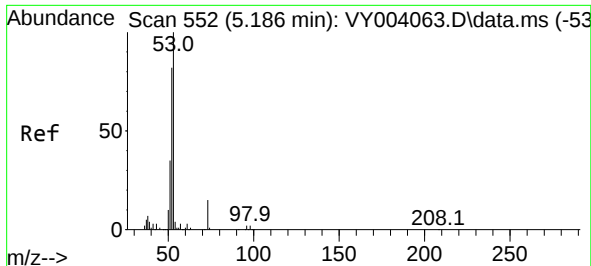
Tgt Ion:142 Resp: 2317
Ion Ratio Lower Upper
142 100
127 45.7 35.4 53.0
141 6.2 11.5 17.3#



#13
Acrolein
Concen: 8.70 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 56 Resp: 1095
Ion Ratio Lower Upper
56 100
55 79.5 55.4 83.0

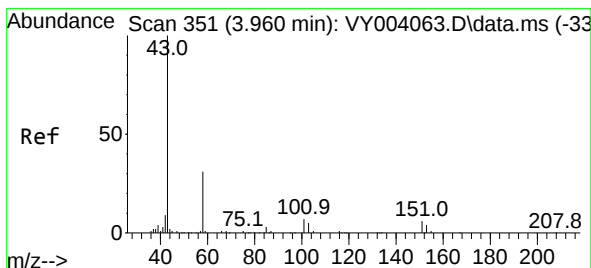
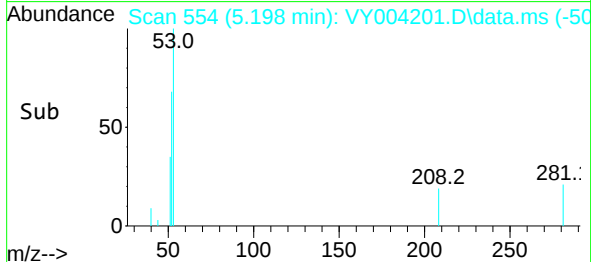
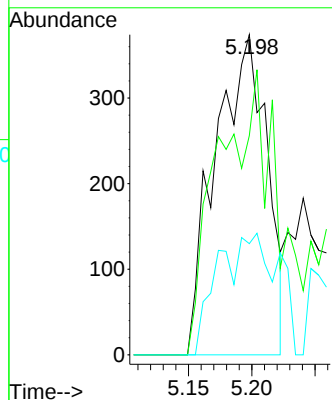
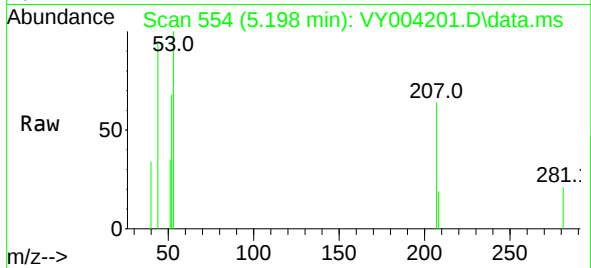




#15
Acrylonitrile
Concen: 2.92 ug/l
RT: 5.198 min Scan# 554
Delta R.T. 0.012 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

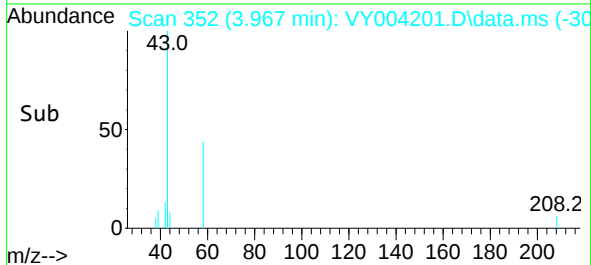
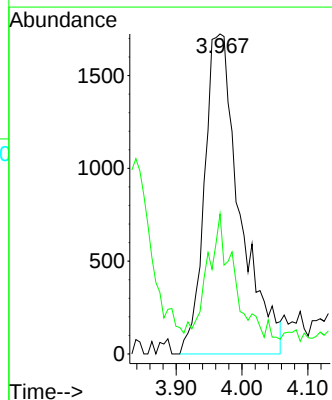
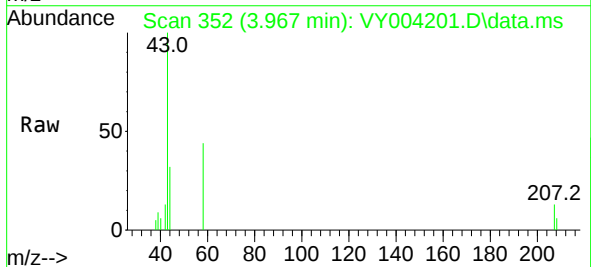
Instrument :
MSVOA_Y
ClientSampled :
TP-1

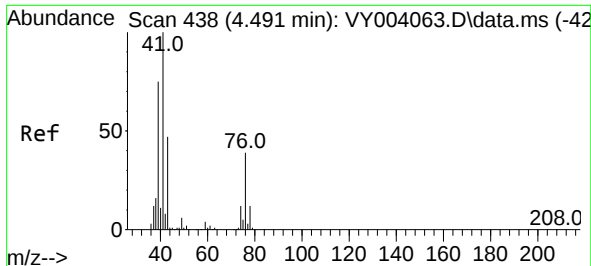
Tgt Ion: 53 Resp: 1061
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 28.3 29.5 44.3#



#16
Acetone
Concen: 19.08 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.007 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

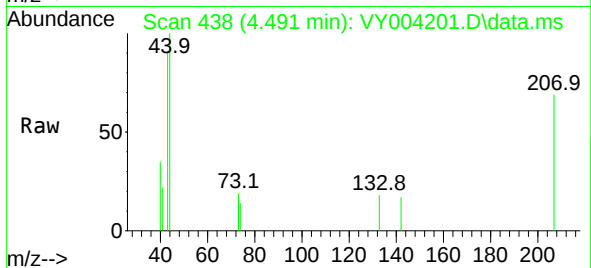
Tgt Ion: 43 Resp: 6462
Ion Ratio Lower Upper
43 100
58 39.2 22.6 34.0#



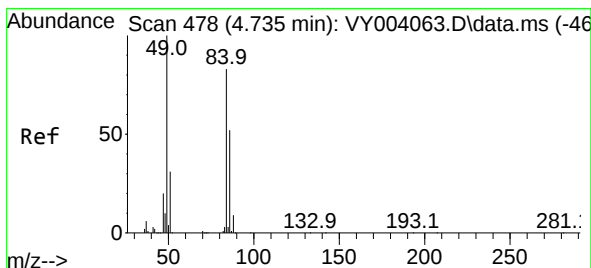
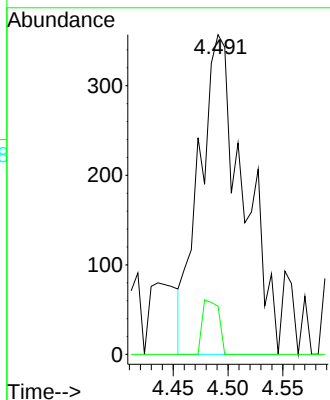
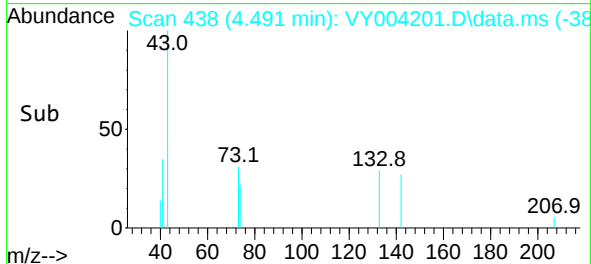


#18
Methyl Acetate
Concen: 1.20 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

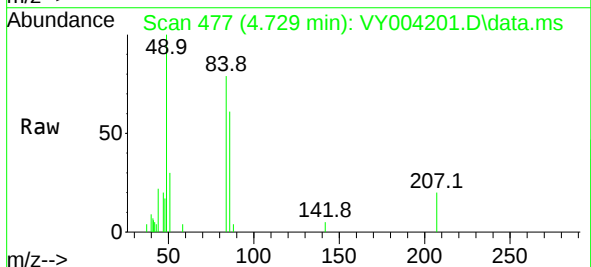
Instrument :
MSVOA_Y
ClientSampled :
TP-1



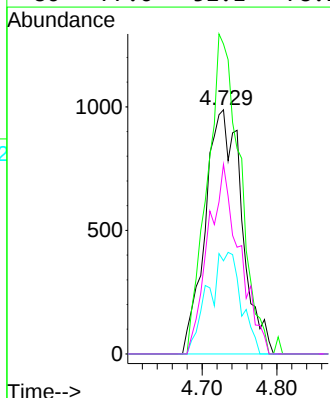
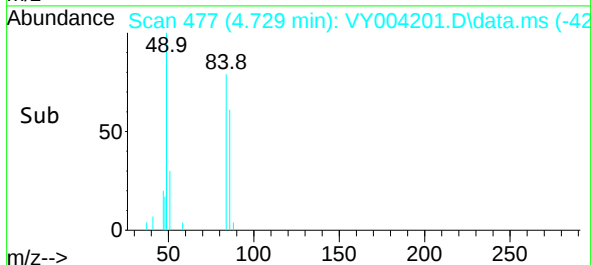
Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
74 6.3 17.6 26.4#

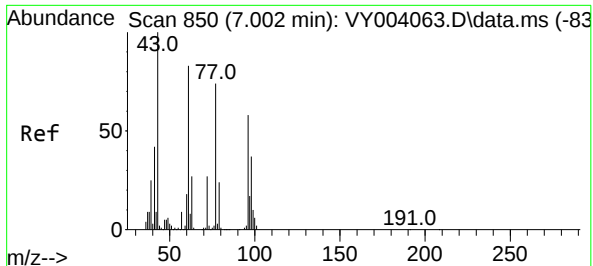


#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37



Tgt Ion: 84 Resp: 3354
Ion Ratio Lower Upper
84 100
49 126.9 105.8 158.6
51 38.2 32.6 48.8
86 77.6 52.1 78.1

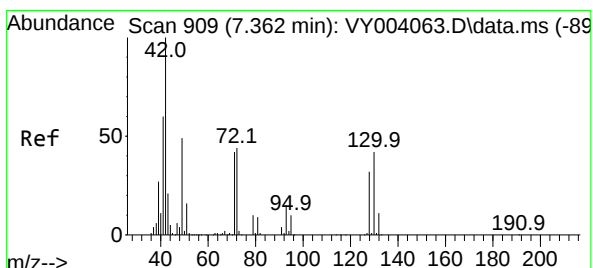
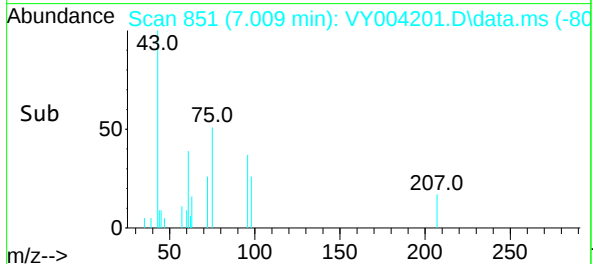
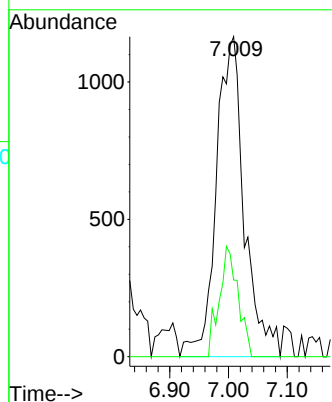
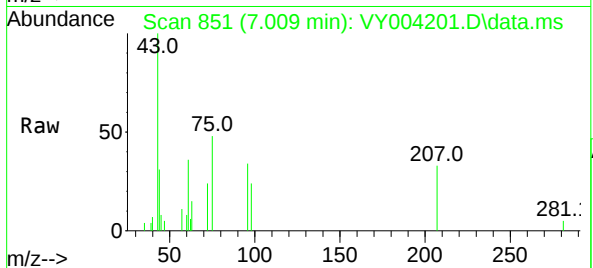




#25
2-Butanone
Concen: 7.89 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.007 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

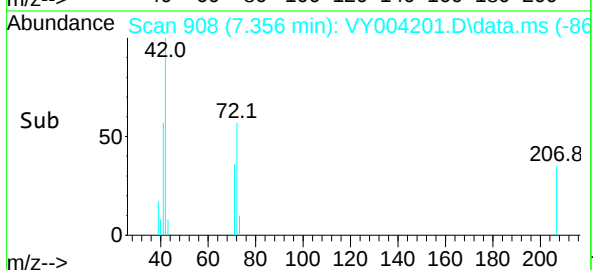
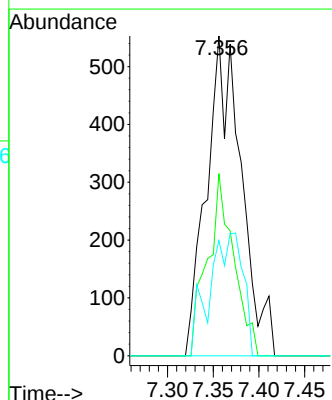
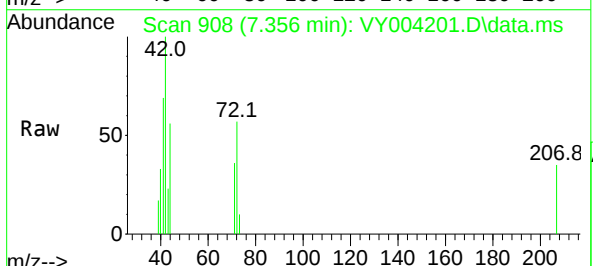
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ClientSampled :
TP-1

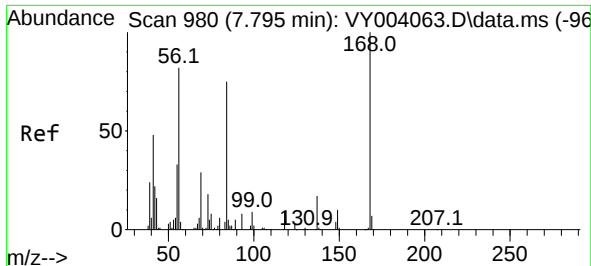
Tgt Ion: 43 Resp: 3852
Ion Ratio Lower Upper
43 100
72 23.9 19.4 29.0



#29
Tetrahydrofuran
Concen: 4.62 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 42 Resp: 1464
Ion Ratio Lower Upper
42 100
72 43.2 32.6 48.8
71 37.1 31.0 46.6

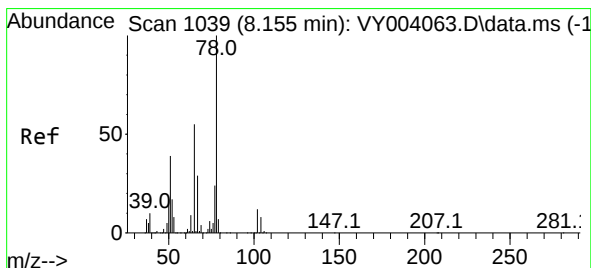
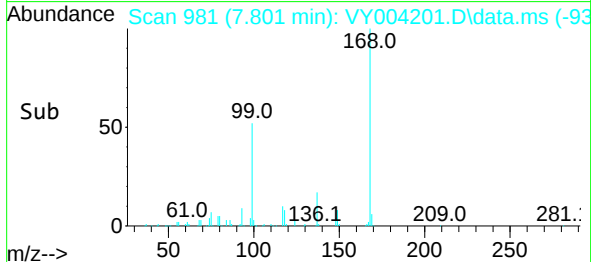
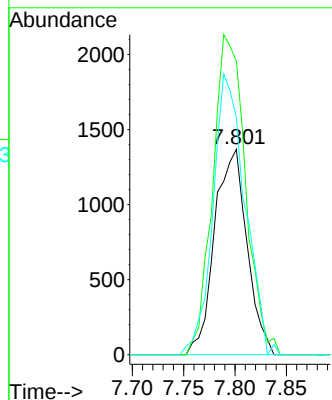
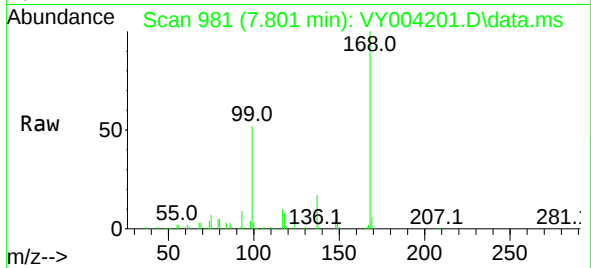




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

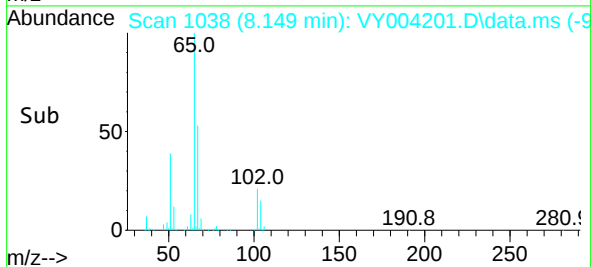
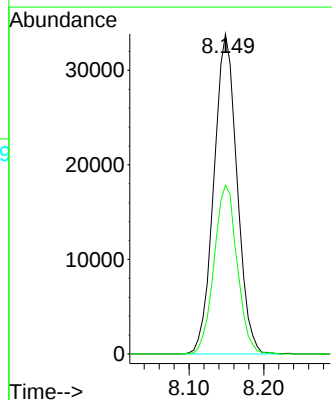
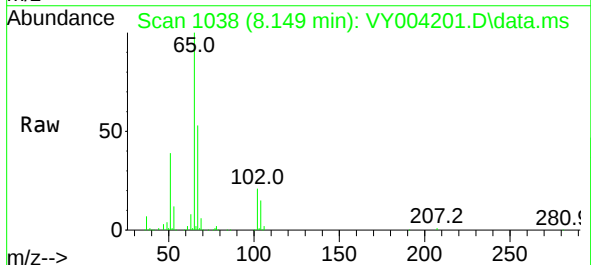
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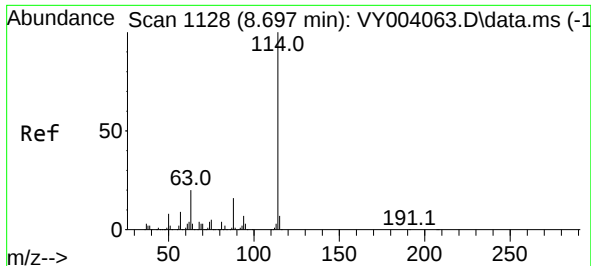
Tgt Ion: 56 Resp: 2994
Ion Ratio Lower Upper
56 100
69 143.0 25.3 37.9#
84 115.8 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 52.00 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 65 Resp: 72953
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.4

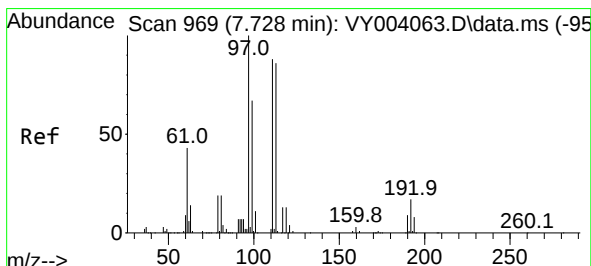
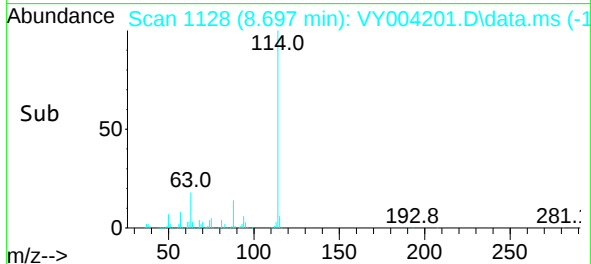
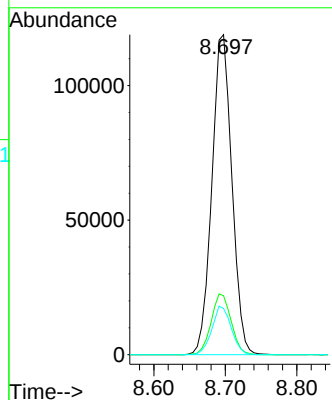
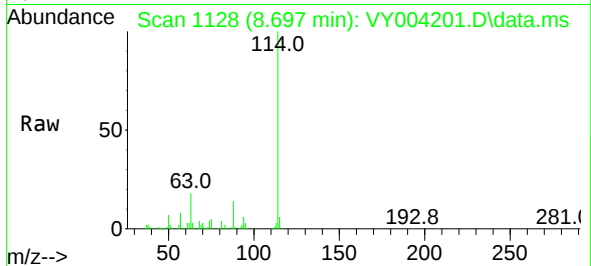




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

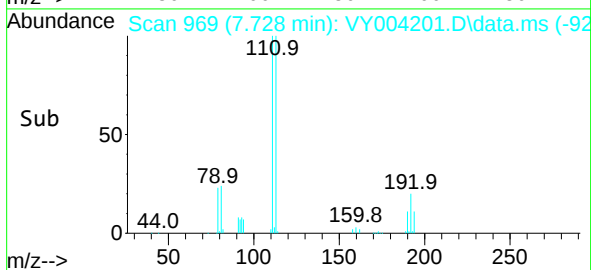
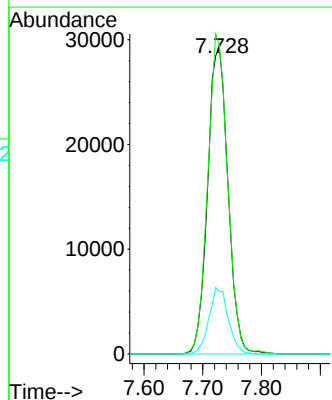
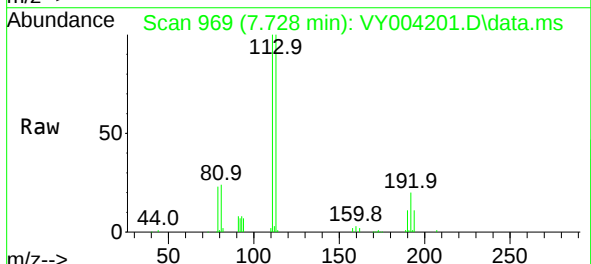
Instrument :
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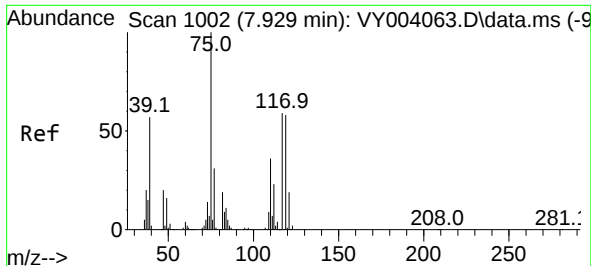
Tgt Ion:	114	Resp:	230810
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	41.6
88	14.4	0.0	31.4



#35
Dibromofluoromethane
Concen: 54.28 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion:	113	Resp:	70649
Ion Ratio	Lower	Upper	
113	100		
111	102.0	83.2	124.8
192	20.5	18.5	27.7

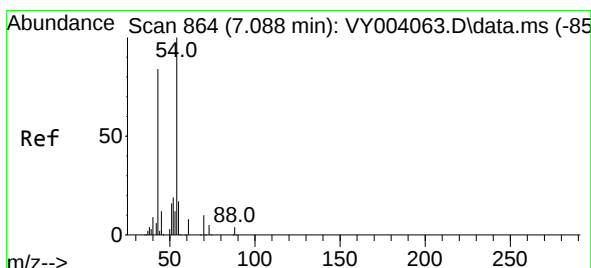
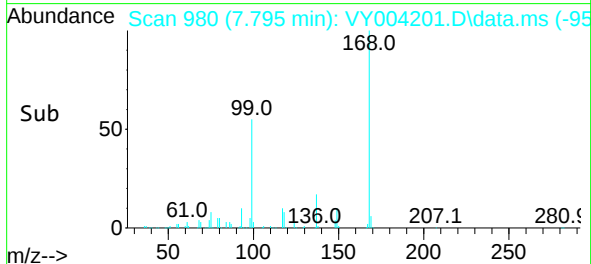
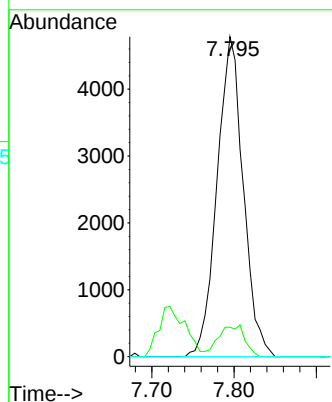
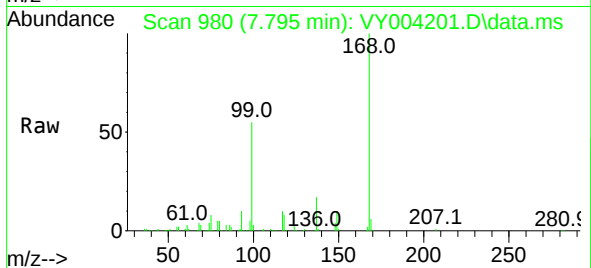




#36
1,1-Dichloropropene
Concen: 5.21 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

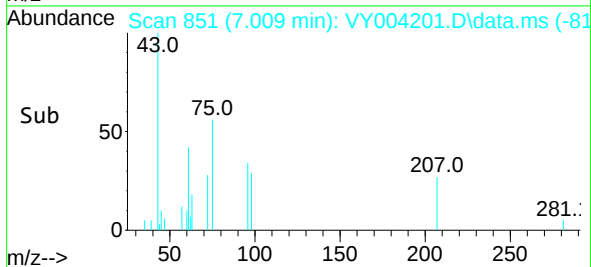
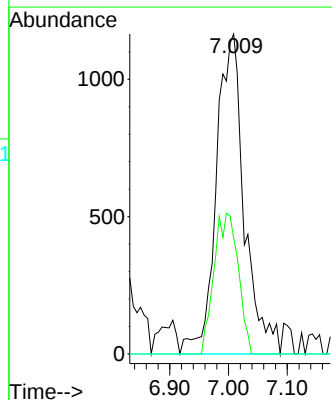
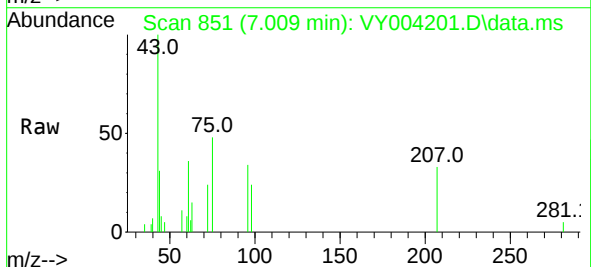
Instrument :
MSVOA_Y
ClientSampled :
TP-1

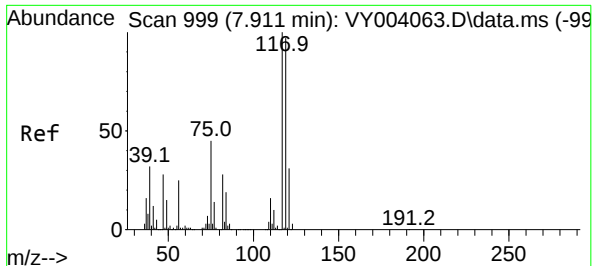
Tgt Ion: 75 Resp: 10569
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.3#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 3.53 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.079 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 43 Resp: 3852
Ion Ratio Lower Upper
43 100
61 38.0 10.7 16.1#
70 0.0 7.7 11.5#

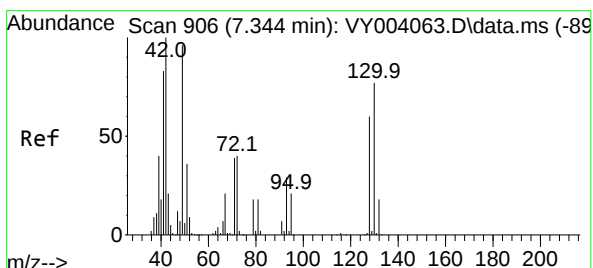
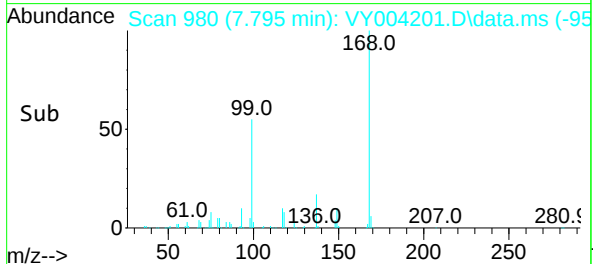
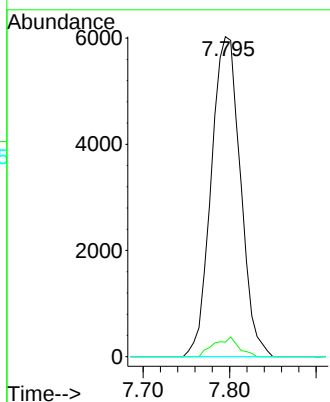
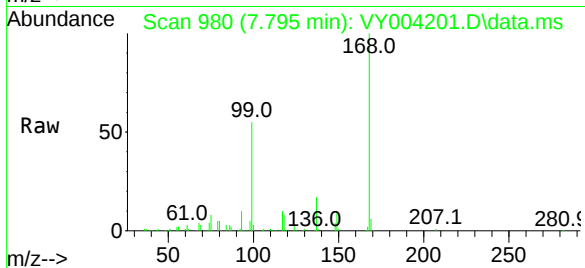




#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

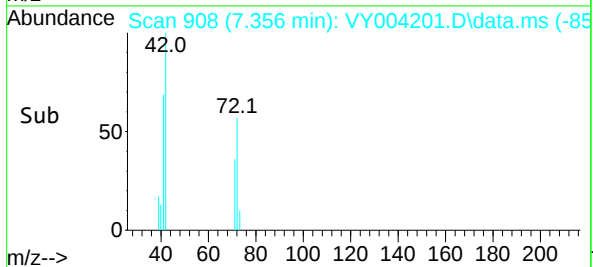
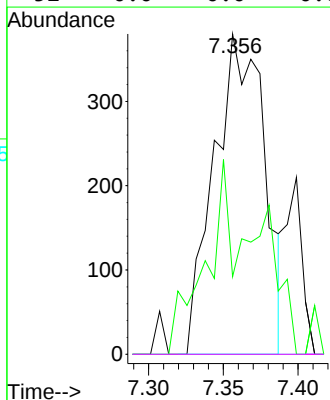
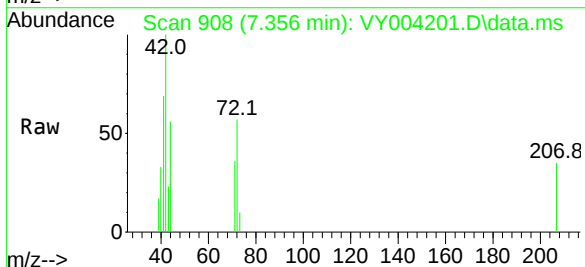
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

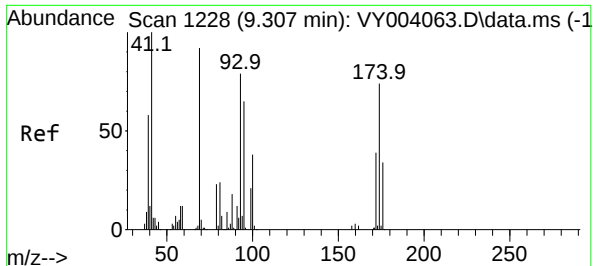
Tgt Ion:117 Resp: 14096
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.31 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 41 Resp: 890
Ion Ratio Lower Upper
41 100
39 41.5 91.2 136.8#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

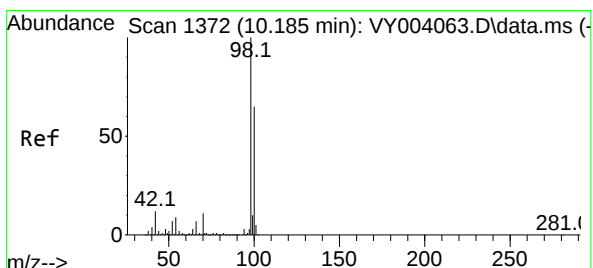
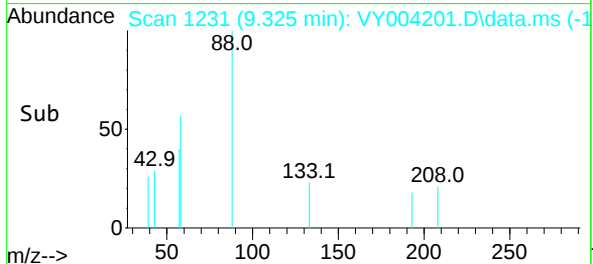
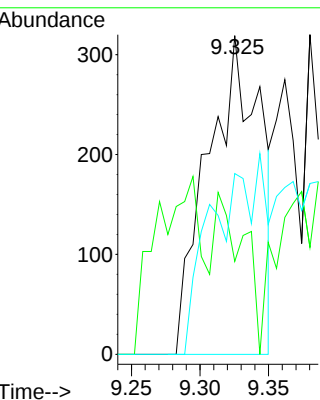
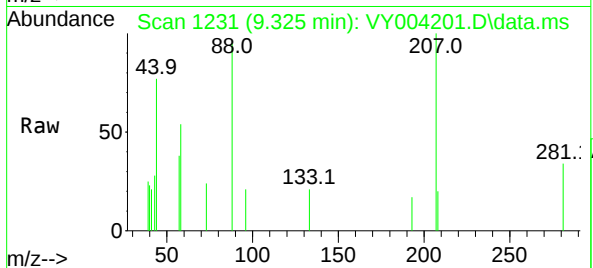




#49
1,4-Dioxane
Concen: 81.70 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

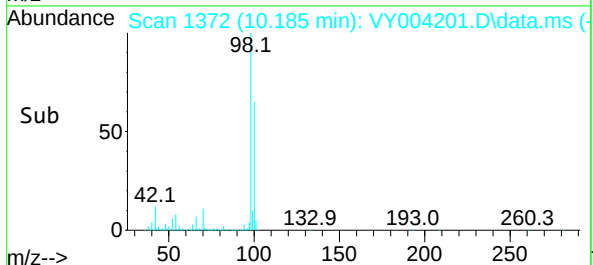
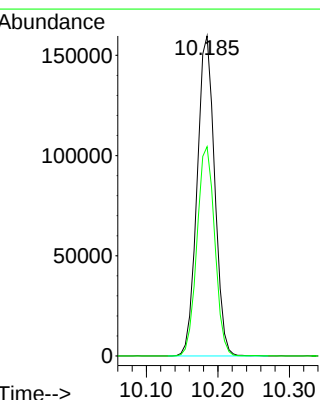
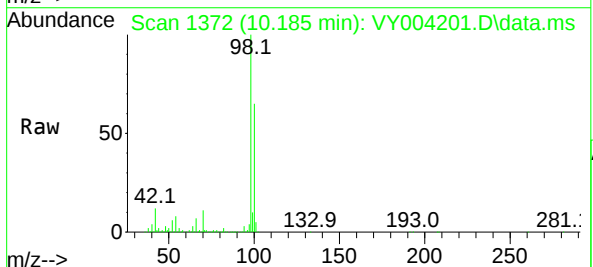
Instrument :
MSVOA_Y
ClientSampled :
TP-1

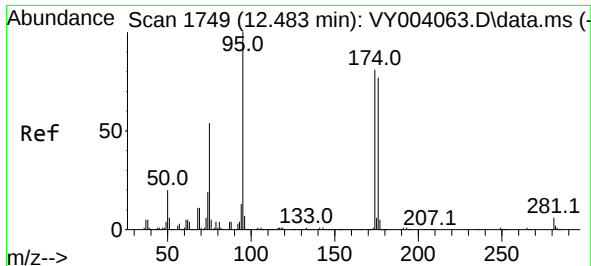
Tgt Ion: 88 Resp: 848
Ion Ratio Lower Upper
88 100
43 27.5 32.0 48.0#
58 47.1 56.5 84.7#



#50
Toluene-d8
Concen: 53.23 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 98 Resp: 271611
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6

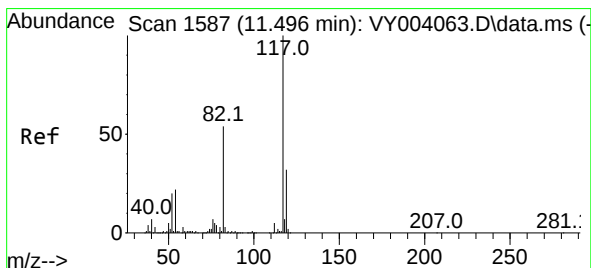
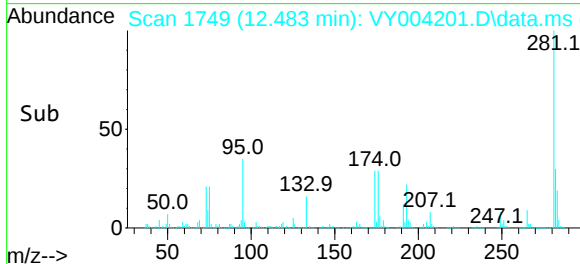
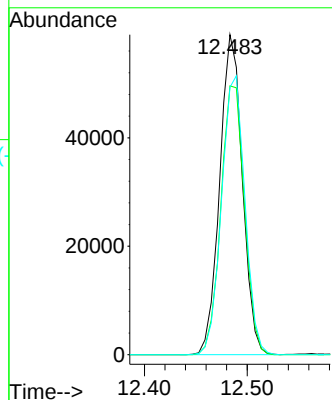
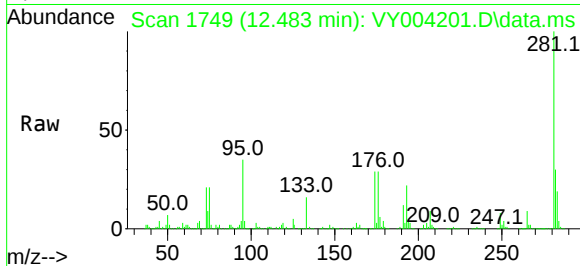




#62
4-Bromofluorobenzene
Concen: 47.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

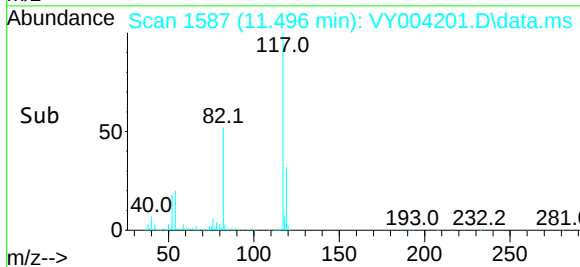
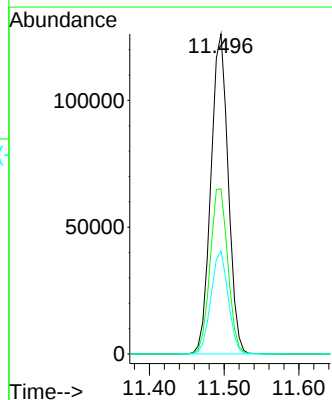
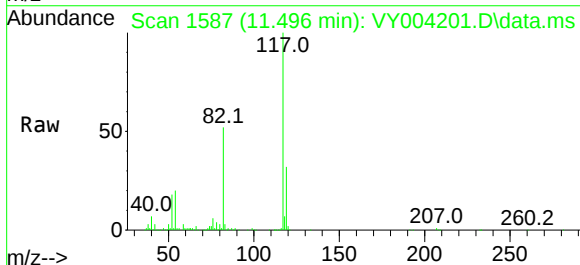
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

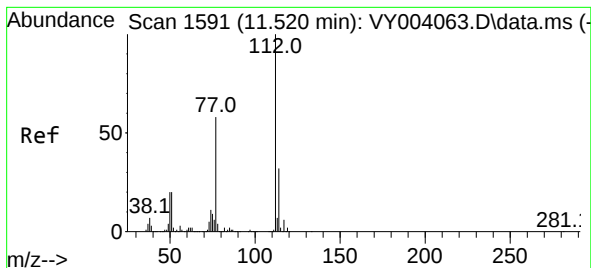
Tgt Ion: 95 Resp: 90159
Ion Ratio Lower Upper
95 100
174 87.4 0.0 179.0
176 89.8 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 117 Resp: 202992
Ion Ratio Lower Upper
117 100
82 51.6 43.8 65.6
119 32.2 26.2 39.2

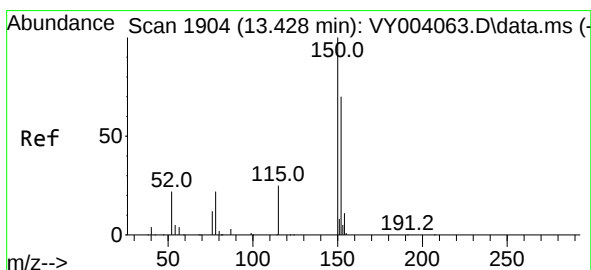
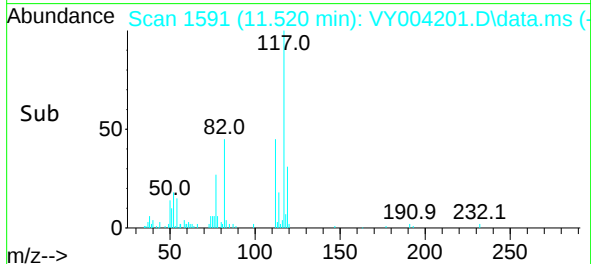
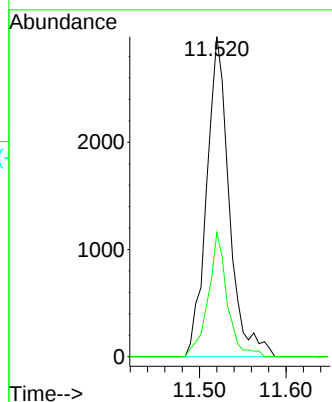
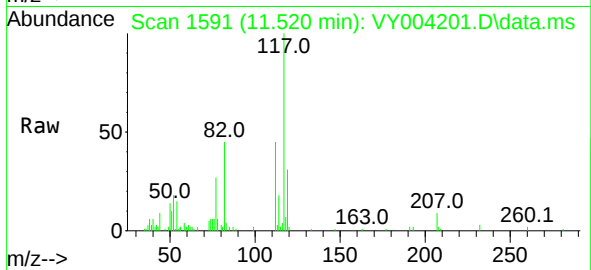




#65
Chlorobenzene
Concen: 1.39 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

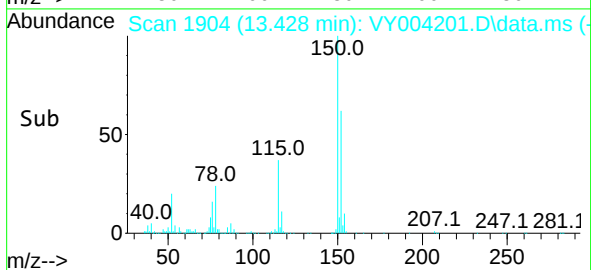
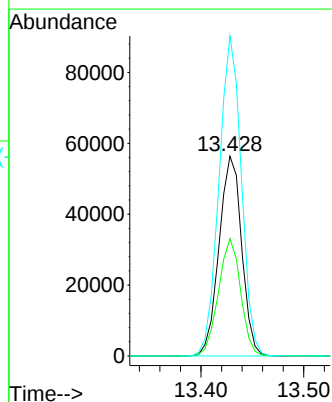
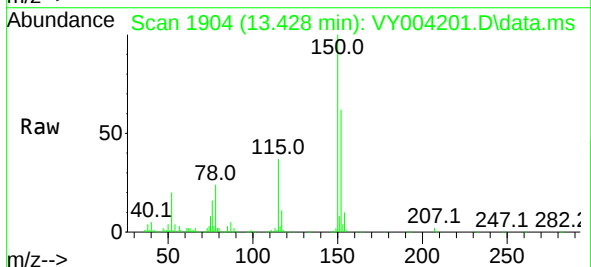
Instrument :
MSVOA_Y
ClientSampled :
TP-1

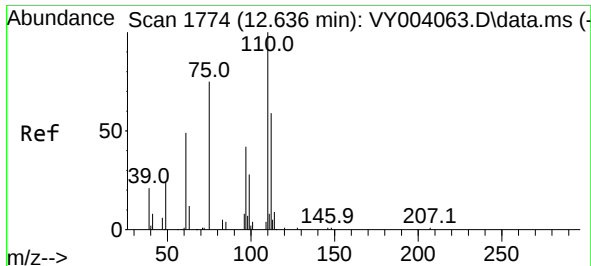
Tgt Ion:112 Resp: 5399
Ion Ratio Lower Upper
112 100
114 38.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion:152 Resp: 86013
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.6
150 158.1 0.0 347.2

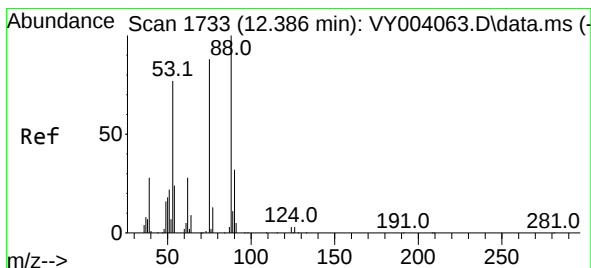
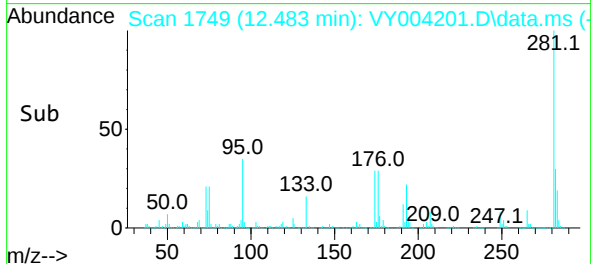
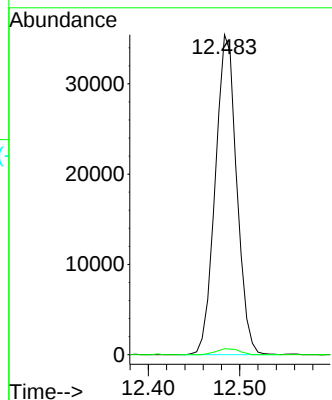
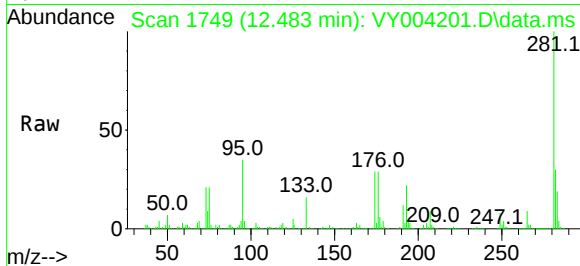




#76
1,2,3-Trichloropropane
Concen: 69.94 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Instrument :
MSVOA_Y
ClientSampled :
TP-1

Tgt Ion: 75 Resp: 57684
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.04 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004201.D
Acq: 25 Mar 2021 14:37

Tgt Ion: 75 Resp: 57684
Ion Ratio Lower Upper
75 100
53 0.1 73.5 110.3#
89 6.1 35.7 53.5#

