

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081021\
 Data File : VY005596.D
 Acq On : 10 Aug 2021 15:26
 Operator : SY/MD
 Sample : M3331-01
 Misc : 6.28G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 03:37:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

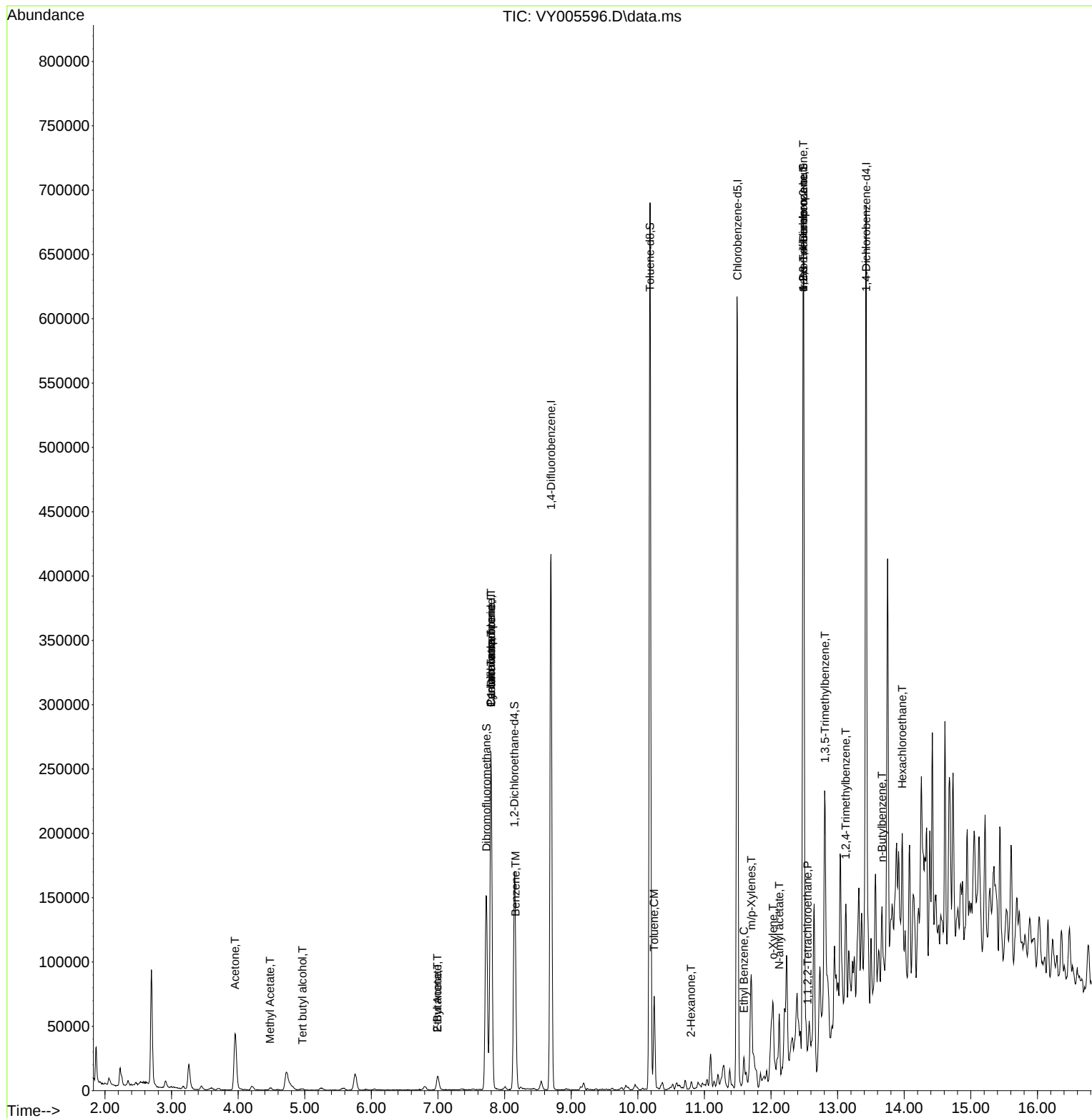
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	209732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	350811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	332805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	126668	59.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.32%
35) Dibromofluoromethane	7.728	113	103722	52.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.62%
50) Toluene-d8	10.185	98	442097	53.67	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.34%
62) 4-Bromofluorobenzene	12.483	95	146825	53.83	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.66%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1898	9.04	ug/l #	80
16) Acetone	3.954	43	76944	143.75	ug/l	100
18) Methyl Acetate	4.479	43	3280	2.34	ug/l	100
20) Methylene Chloride	4.728	84	10416	Below Cal		93
25) 2-Butanone	6.990	43	18694	23.63	ug/l #	88
31) Cyclohexane	7.795	56	5121	1.41	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	14776	4.49	ug/l #	49
37) Ethyl Acetate	6.990	43	18694	9.38	ug/l #	69
38) Carbon Tetrachloride	7.795	117	18790	5.25	ug/l #	16
40) Benzene	8.167	78	29298	3.11	ug/l	95
52) Toluene	10.246	92	28657	4.77	ug/l	99
59) 2-Hexanone	10.801	43	2932	2.09	ug/l #	25
67) Ethyl Benzene	11.593	91	13874	1.14	ug/l	98
68) m/p-Xylenes	11.703	106	23612	5.01	ug/l	100
69) o-Xylene	12.032	106	12980	2.86	ug/l	98
74) N-amyl acetate	12.123	43	12027	3.77	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.550	83	2443	1.20	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	81574	51.86	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	23763	2.70	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	81574	104.55	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	38120	4.39	ug/l	99
89) n-Butylbenzene	13.666	91	8916	1.01	ug/l #	1
90) Hexachloroethane	13.971	117	2742	1.56	ug/l #	3

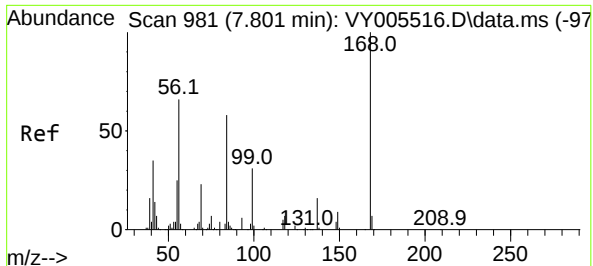
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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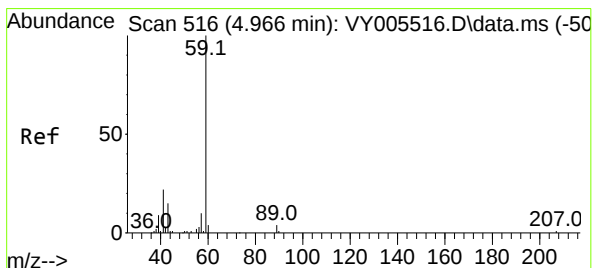
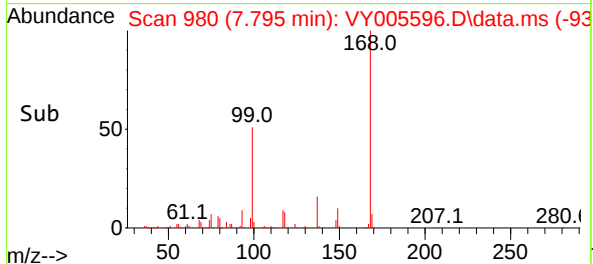
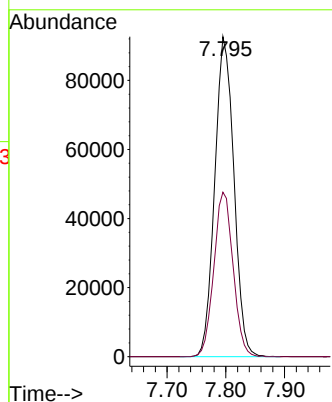
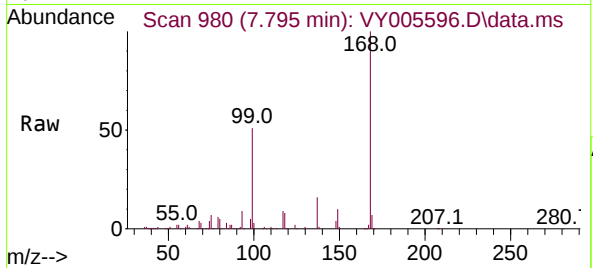




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

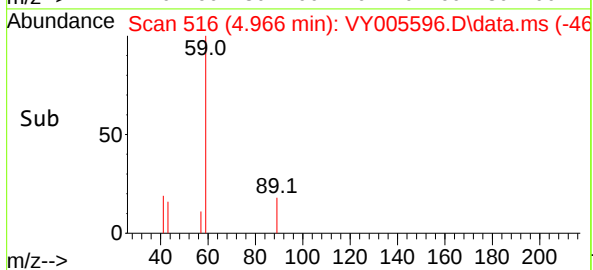
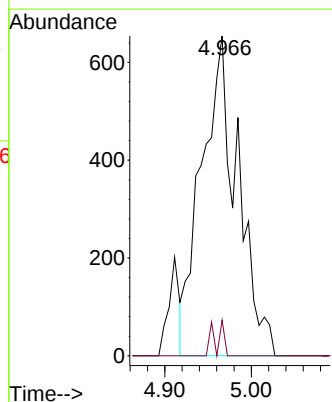
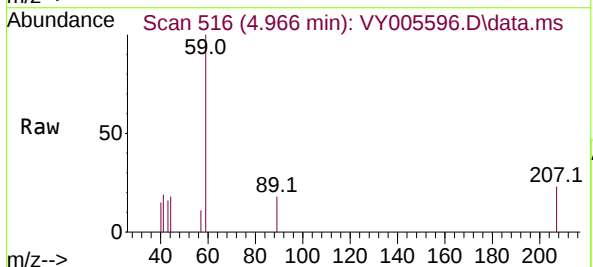
Instrument :
MSVOA_Y
ClientSampled :

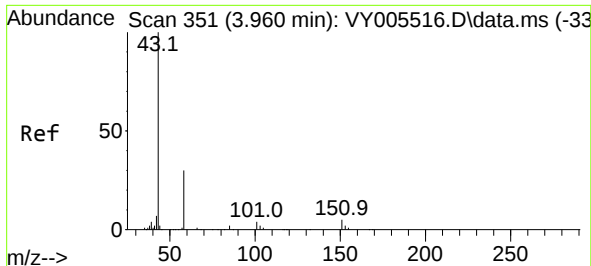
Tgt Ion:168 Resp: 209732
Ion Ratio Lower Upper
168 100
99 51.4 38.9 58.3



#11
Tert butyl alcohol
Concen: 9.04 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 59 Resp: 1898
Ion Ratio Lower Upper
59 100
57 2.7 8.0 12.0#

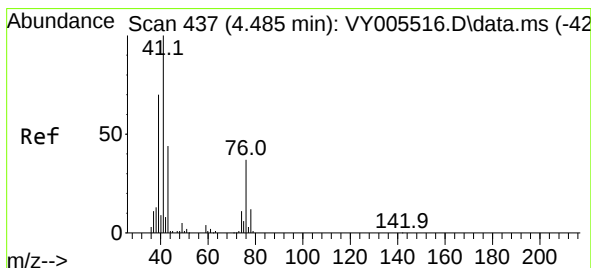
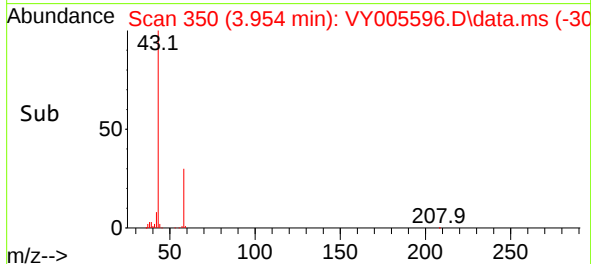
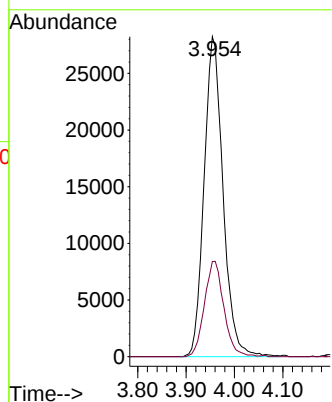
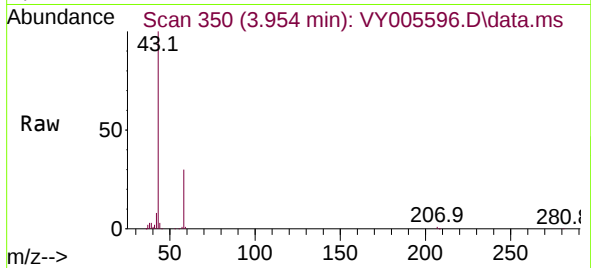




#16
Acetone
Concen: 143.75 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

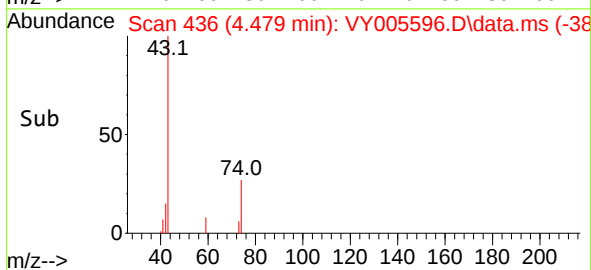
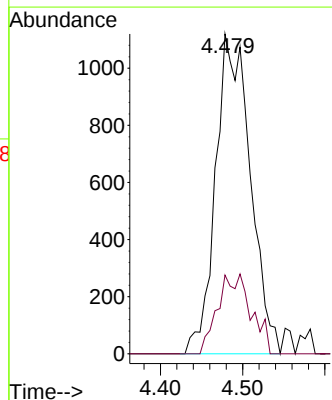
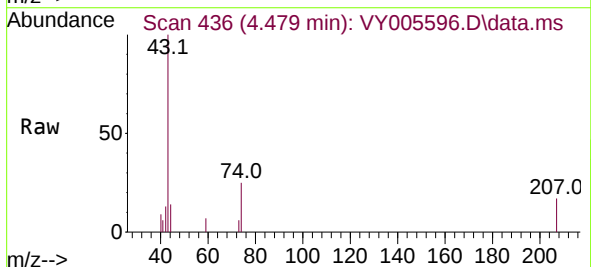
Instrument :
MSVOA_Y
ClientSampled :

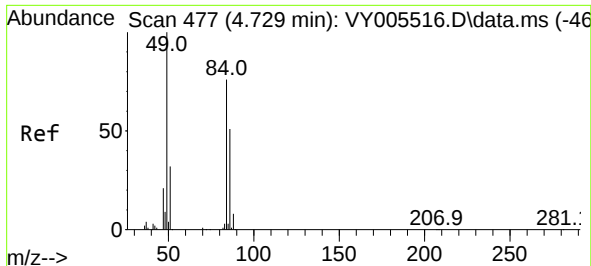
Tgt Ion: 43 Resp: 76944
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6



#18
Methyl Acetate
Concen: 2.34 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 43 Resp: 3280
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6

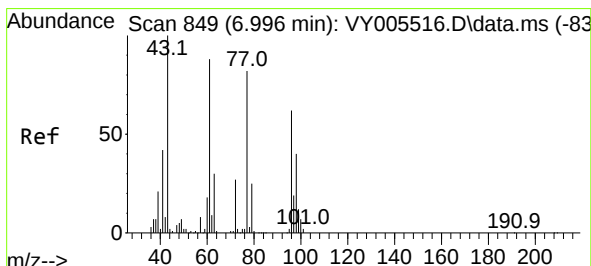
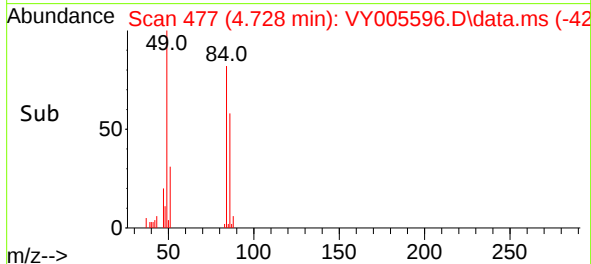
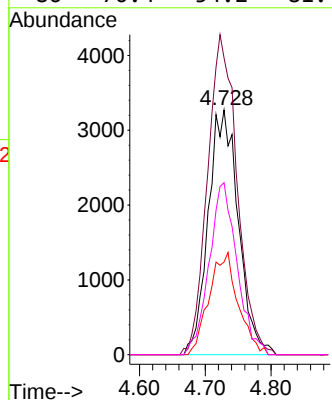
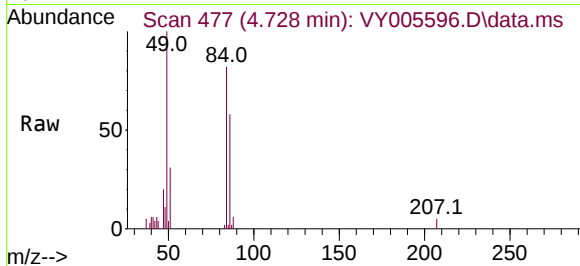




#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

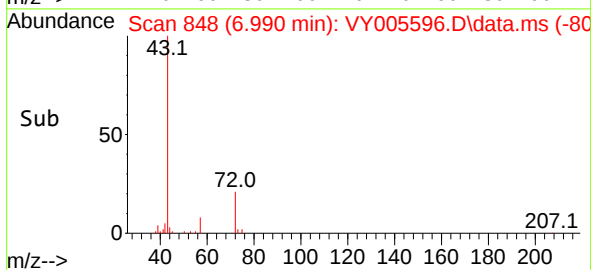
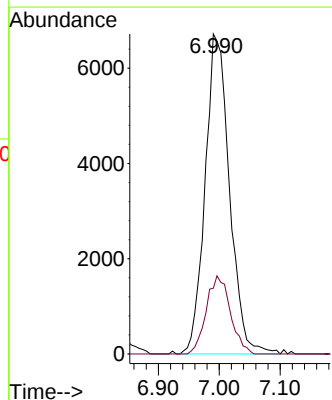
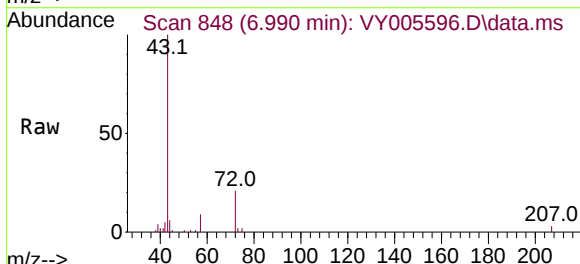
Instrument :
MSVOA_Y
ClientSampleId :

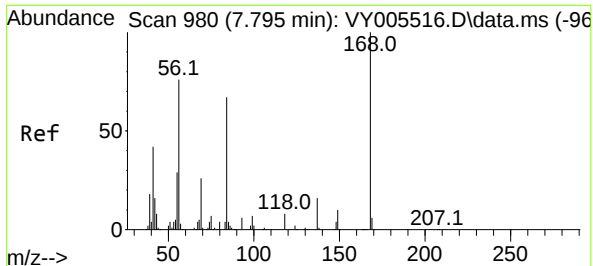
Tgt Ion:	84	Resp:	10416
Ion	Ratio	Lower	Upper
84	100		
49	121.3	105.8	158.6
51	37.9	33.4	50.2
86	70.4	54.2	81.4



#25
2-Butanone
Concen: 23.63 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion:	43	Resp:	18694
Ion	Ratio	Lower	Upper
43	100		
72	20.5	21.4	32.2#

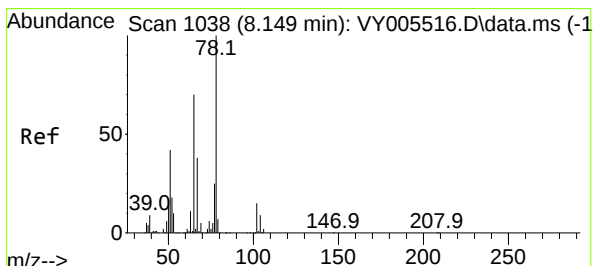
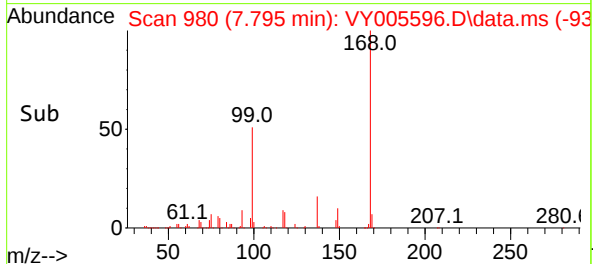
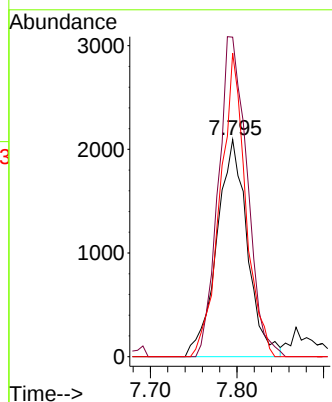
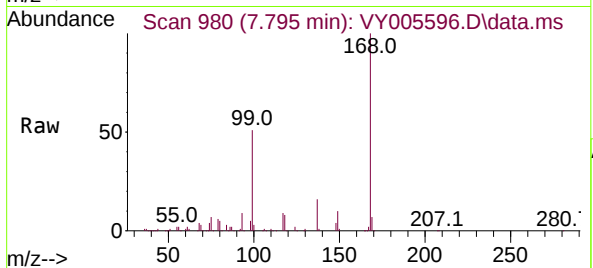




#31
Cyclohexane
Concen: 1.41 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

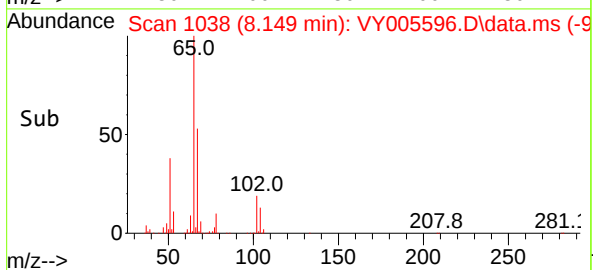
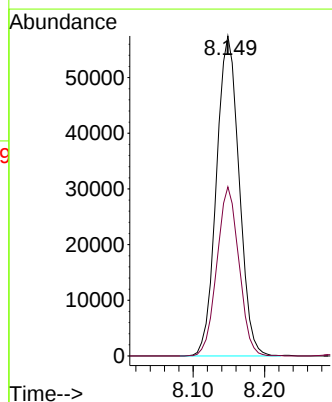
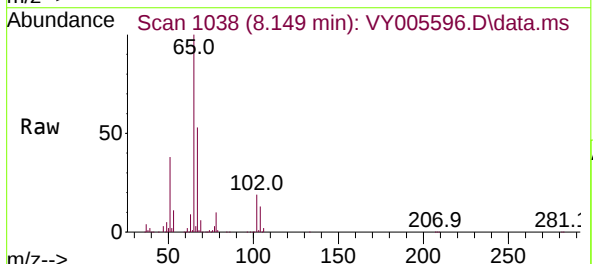
Instrument :
MSVOA_Y
ClientSampleId :

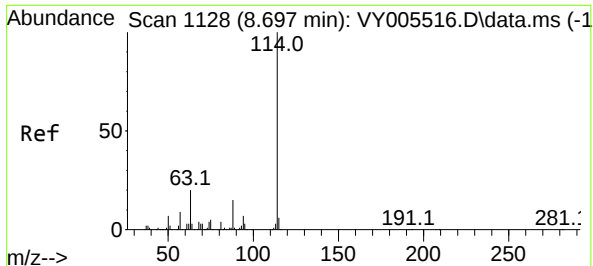
Tgt Ion: 56 Resp: 5121
Ion Ratio Lower Upper
56 100
69 147.2 27.7 41.5#
84 139.8 70.9 106.3#



#33
1,2-Dichloroethane-d4
Concen: 59.66 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 65 Resp: 126668
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4

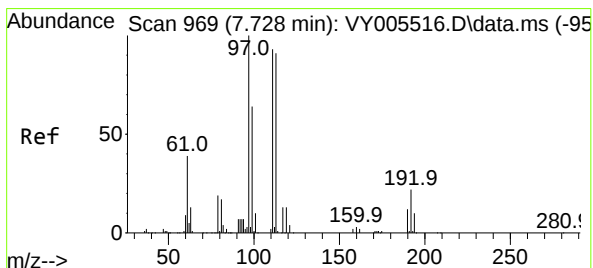
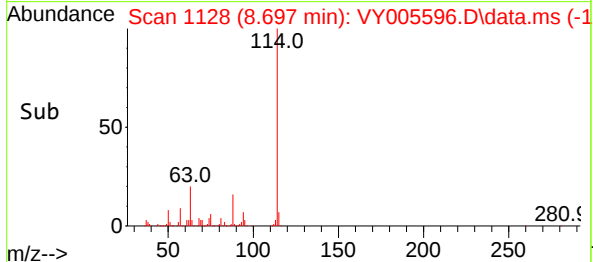
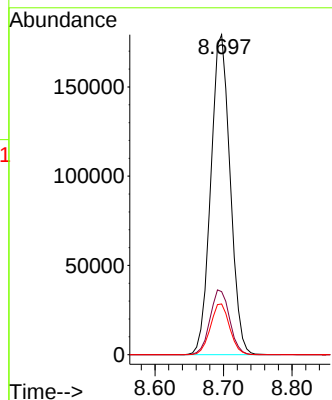
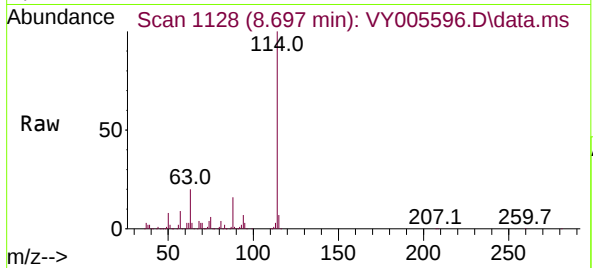




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

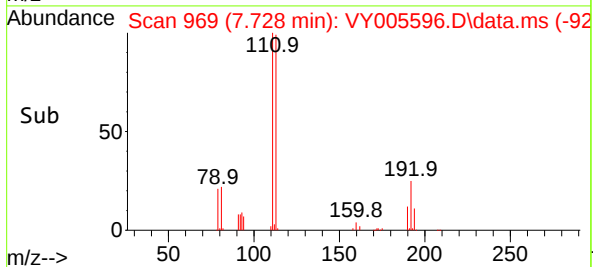
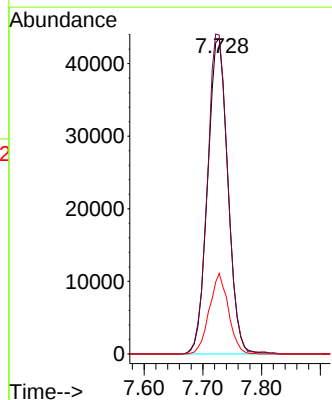
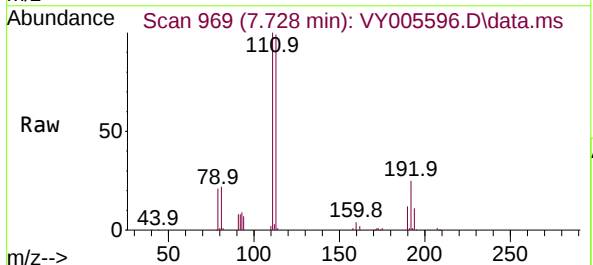
Instrument :
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ClientSampleId :

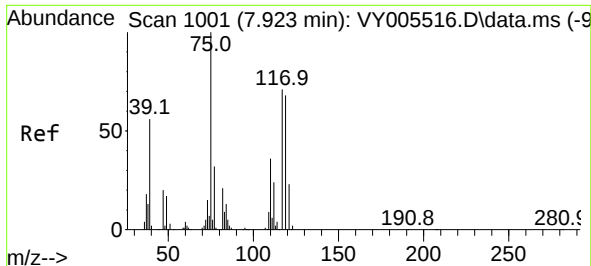
Tgt Ion:114 Resp: 350811
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.2
88 15.8 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.81 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion:113 Resp: 103722
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 24.1 19.2 28.8

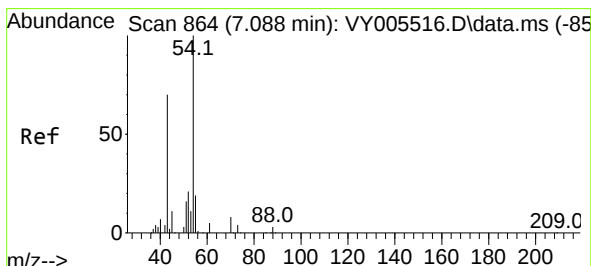
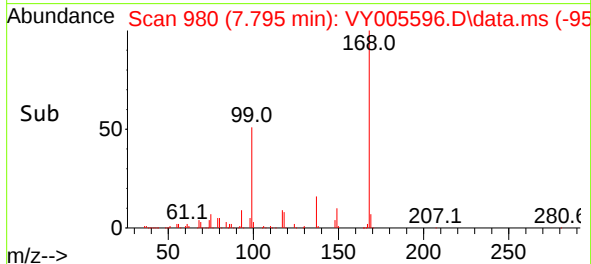
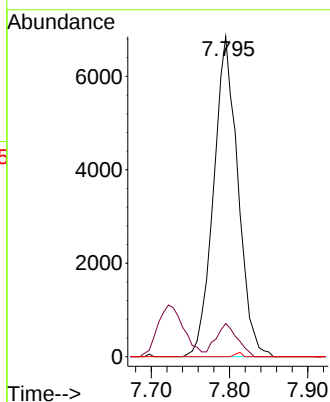
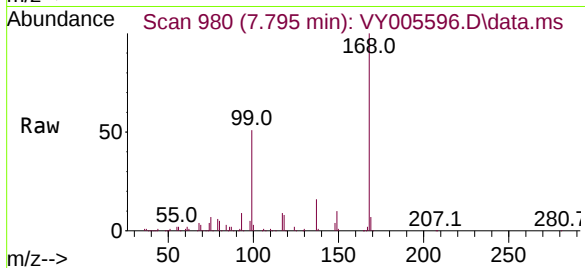




#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

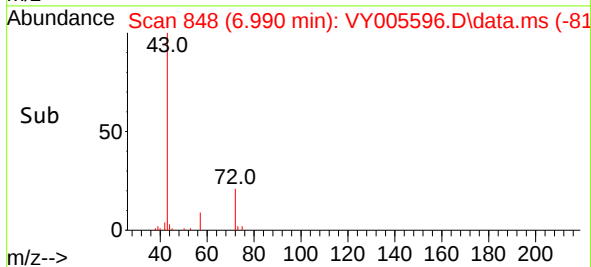
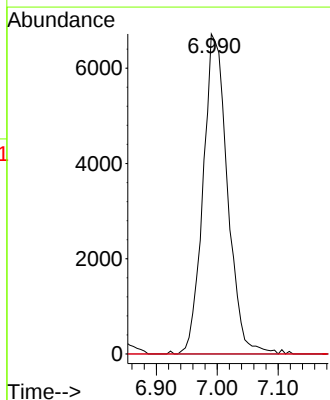
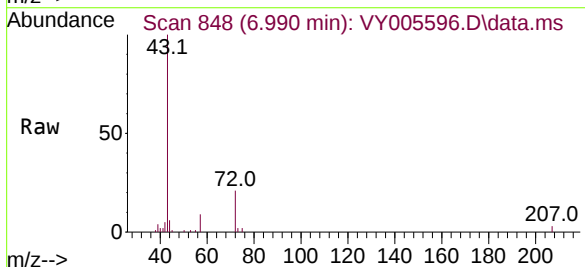
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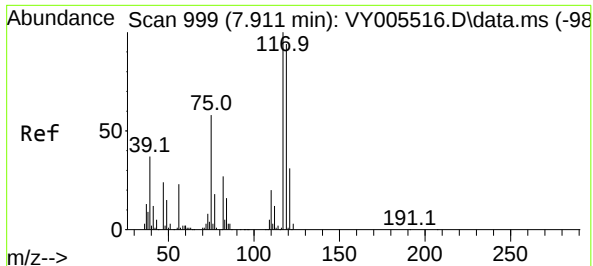
Tgt Ion:	75	Resp:	14776
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	25.1	37.7#



#37
Ethyl Acetate
Concen: 9.38 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.098 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion:	43	Resp:	18694
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	8.6	13.0#

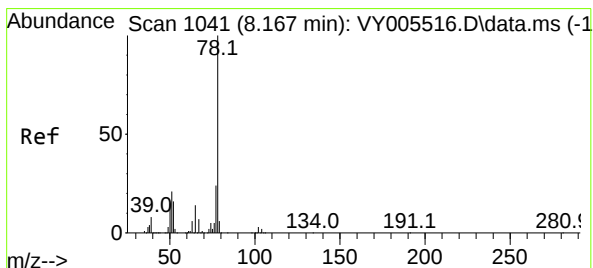
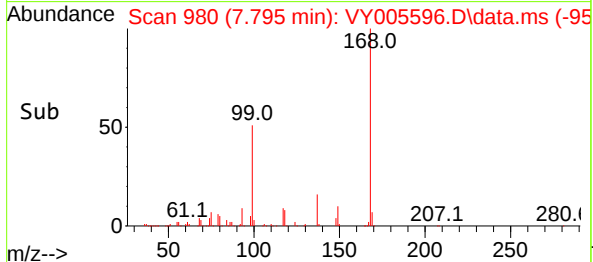
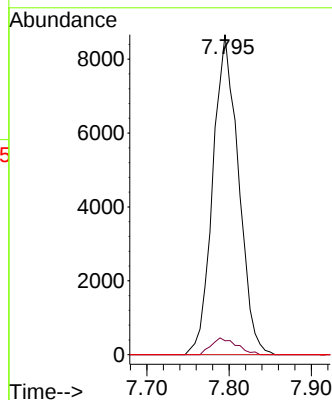
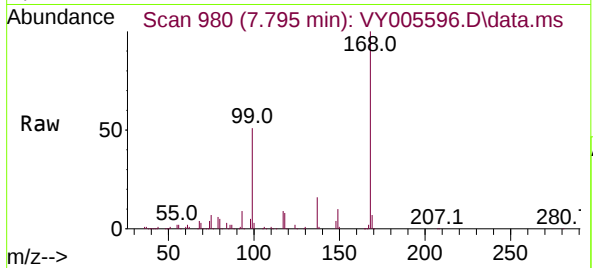




#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

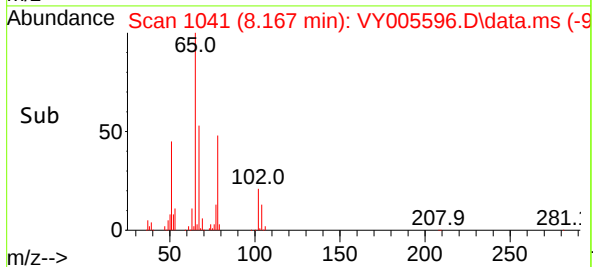
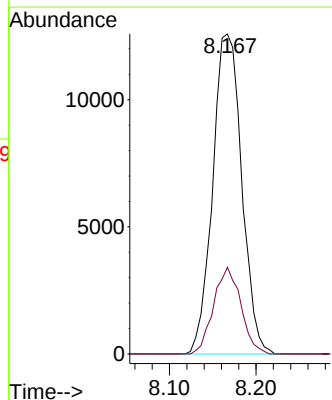
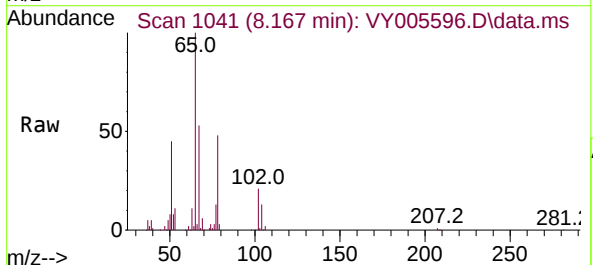
Instrument :
MSVOA_Y
ClientSampled :

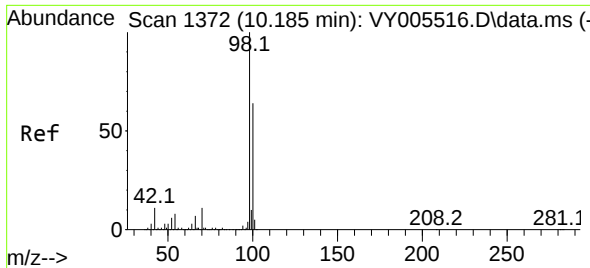
Tgt Ion:117 Resp: 18790
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 0.0 25.1 37.7#



#40
Benzene
Concen: 3.11 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 78 Resp: 29298
Ion Ratio Lower Upper
78 100
77 27.1 19.6 29.4

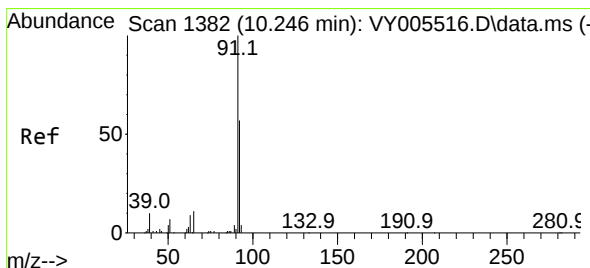
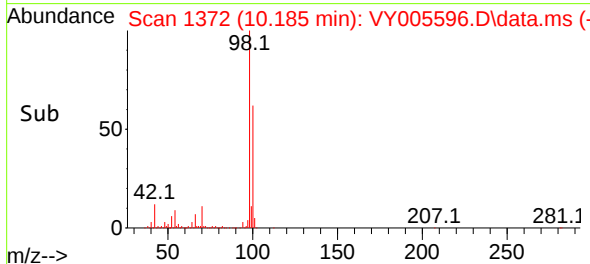
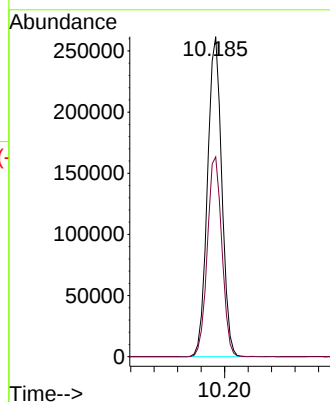
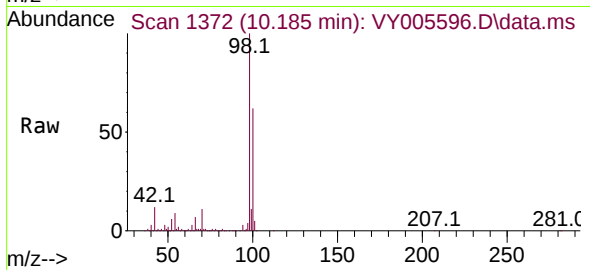




#50
Toluene-d8
Concen: 53.67 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

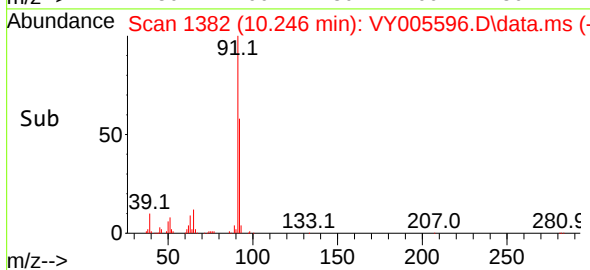
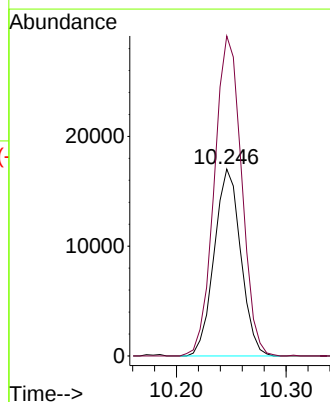
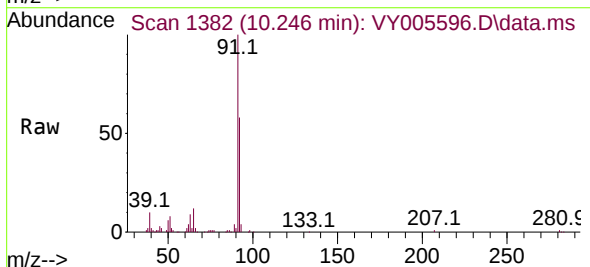
Instrument :
MSVOA_Y
ClientSampled :

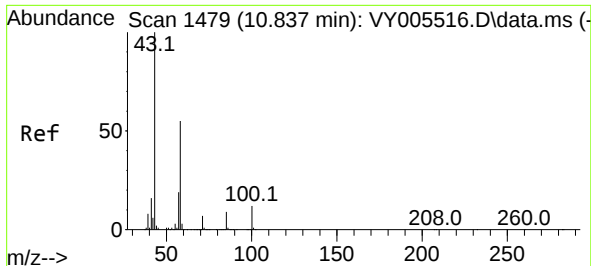
Tgt Ion: 98 Resp: 442097
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



#52
Toluene
Concen: 4.77 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 92 Resp: 28657
Ion Ratio Lower Upper
92 100
91 176.0 139.6 209.4

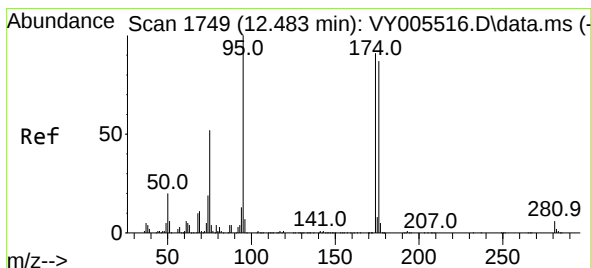
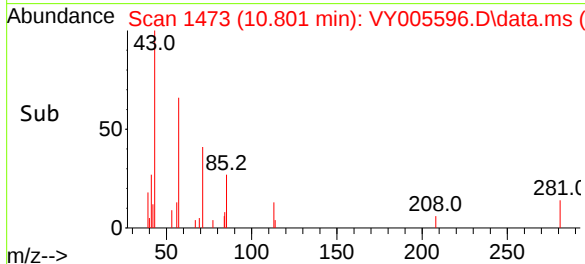
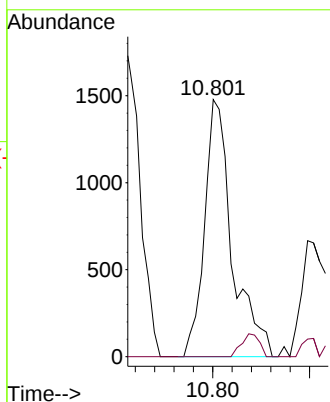
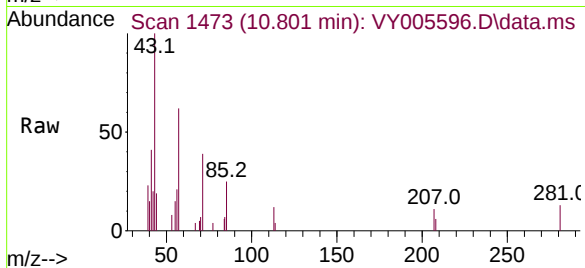




#59
2-Hexanone
Concen: 2.09 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

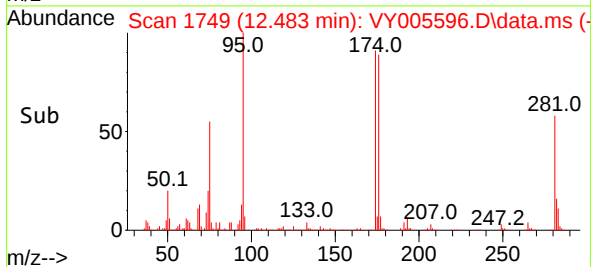
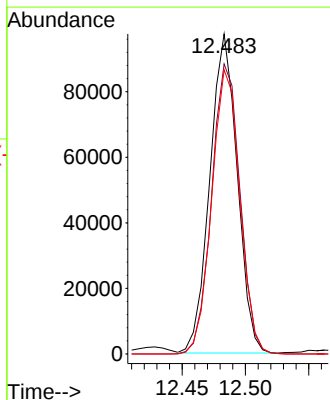
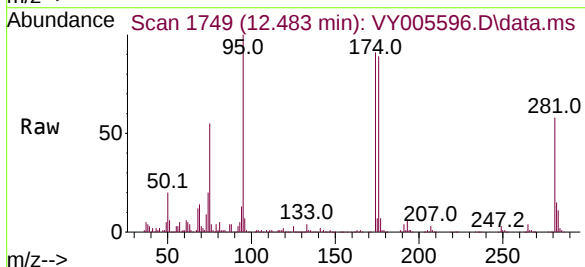
Instrument :
MSVOA_Y
ClientSampled :

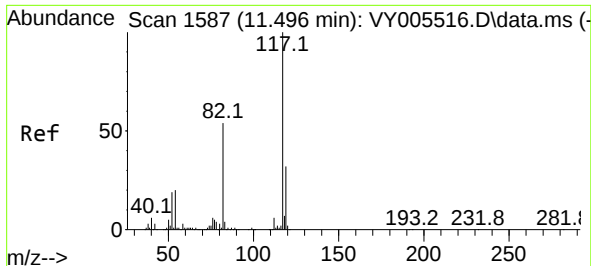
Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.2#



#62
4-Bromofluorobenzene
Concen: 53.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 95 Resp: 146825
Ion Ratio Lower Upper
95 100
174 93.5 0.0 191.4
176 91.0 0.0 183.6

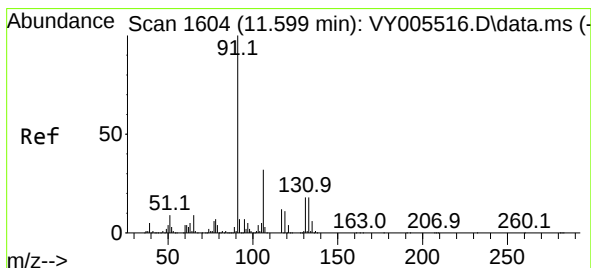
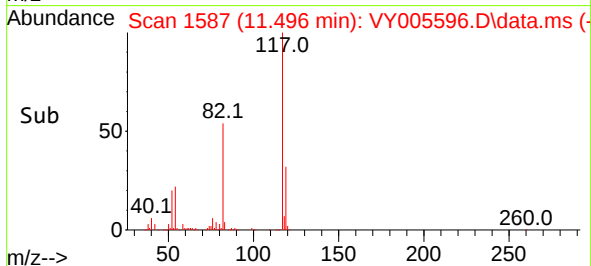
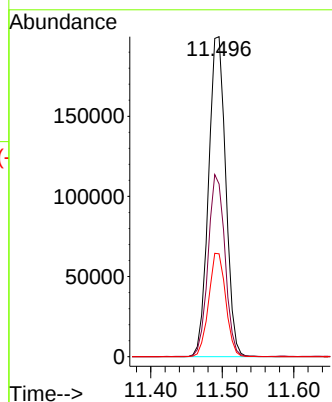
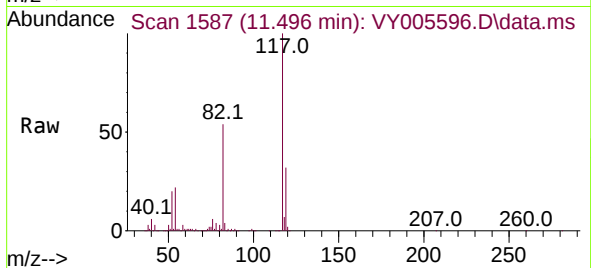




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

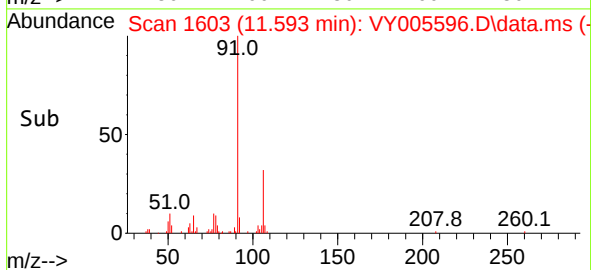
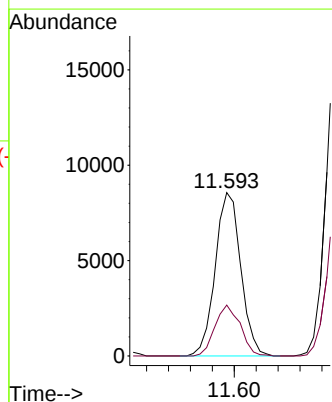
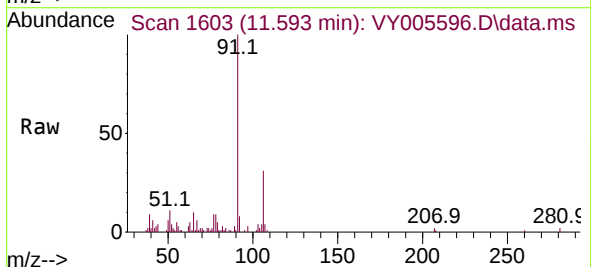
Instrument :
MSVOA_Y
ClientSampleId :

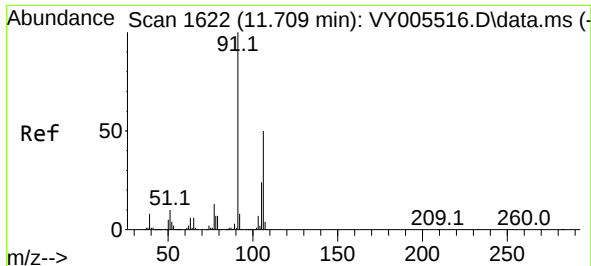
Tgt Ion:	117	Resp:	332805
Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.5	65.3
119	32.1	25.5	38.3



#67
Ethyl Benzene
Concen: 1.14 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion:	91	Resp:	13874
Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.8	38.6

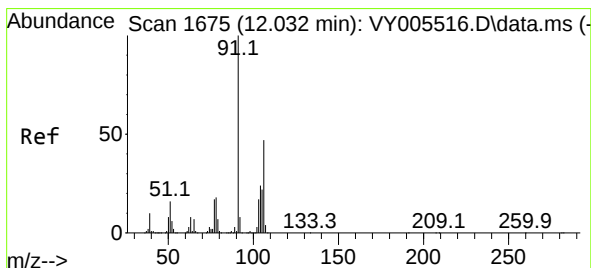
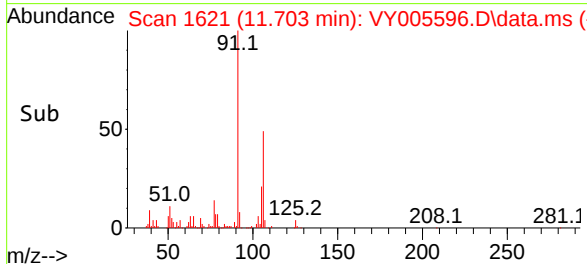
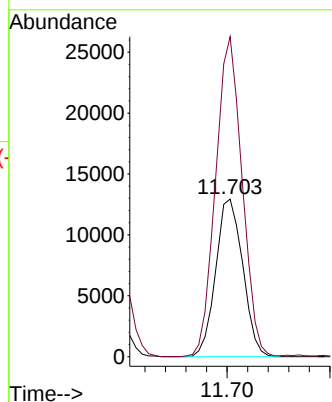
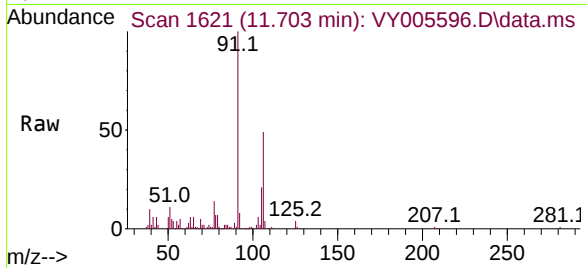




#68
m/p-Xylenes
Concen: 5.01 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

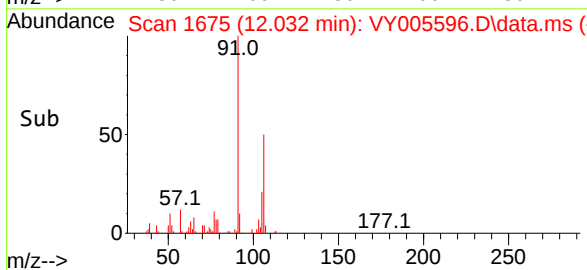
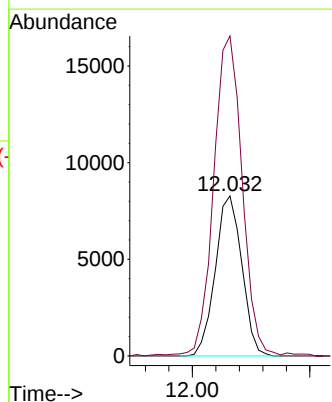
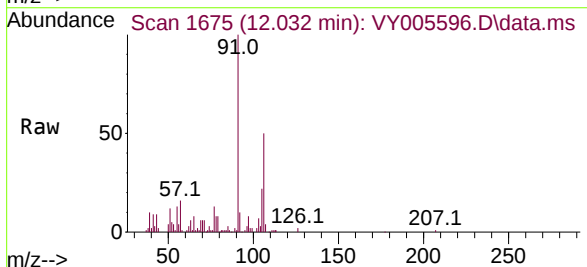
Instrument :
MSVOA_Y
ClientSampled :

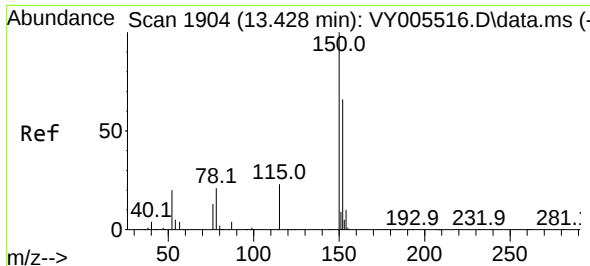
Tgt Ion:106 Resp: 23612
Ion Ratio Lower Upper
106 100
91 199.3 159.6 239.4



#69
o-Xylene
Concen: 2.86 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion:106 Resp: 12980
Ion Ratio Lower Upper
106 100
91 214.8 106.2 318.6

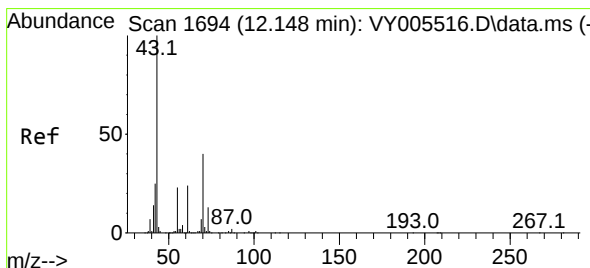
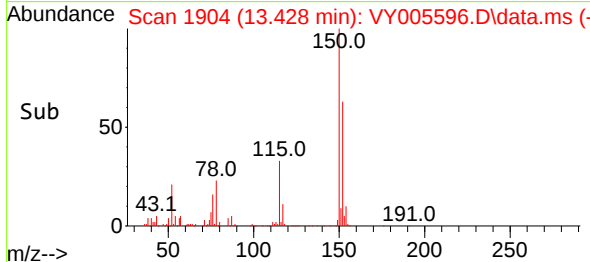
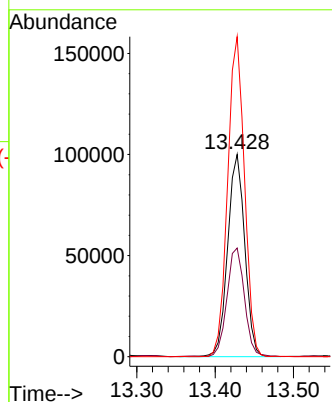
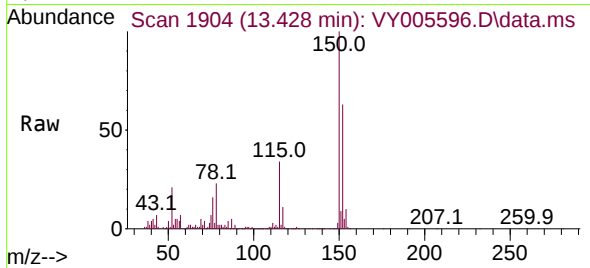




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

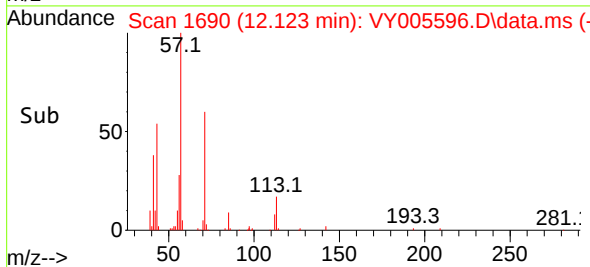
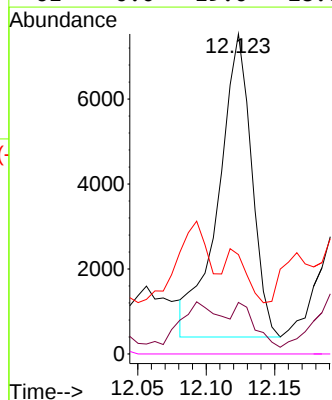
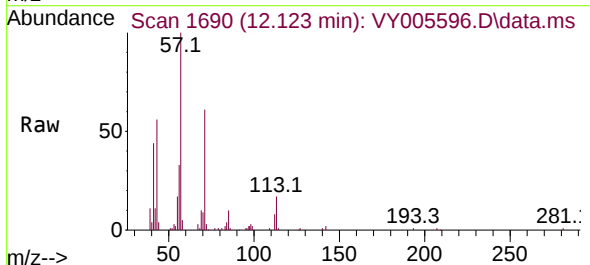
Instrument :
MSVOA_Y
ClientSampleId :

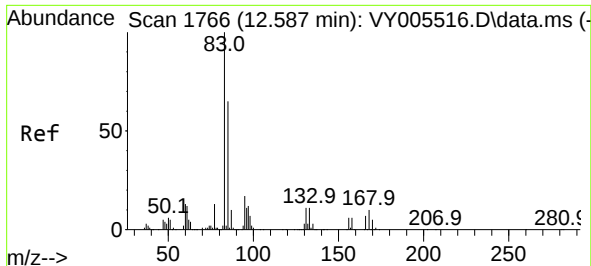
Tgt Ion:152 Resp: 151781
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 155.5 0.0 350.2



#74
N-ethyl acetate
Concen: 3.77 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 43 Resp: 12027
Ion Ratio Lower Upper
43 100
70 8.7 32.9 49.3#
55 11.0 18.9 28.3#
61 0.0 19.0 28.6#

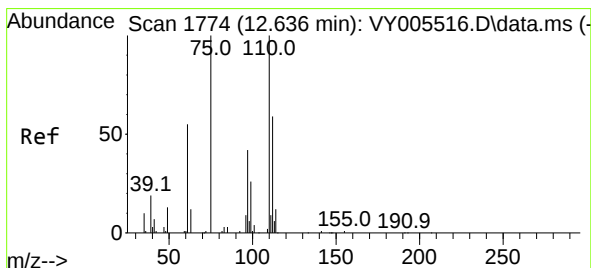
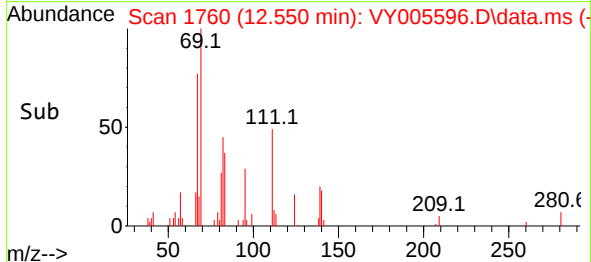
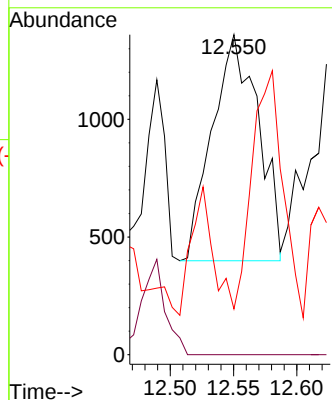
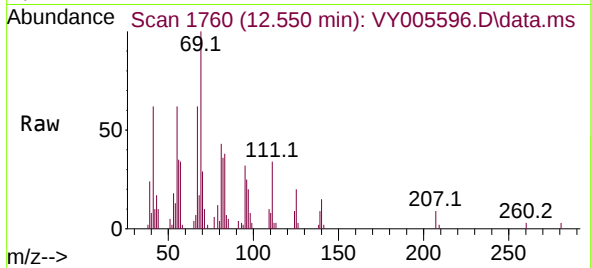




#75
1,1,2,2-Tetrachloroethane
Concen: 1.20 ug/l
RT: 12.550 min Scan# 1760
Delta R.T. -0.037 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

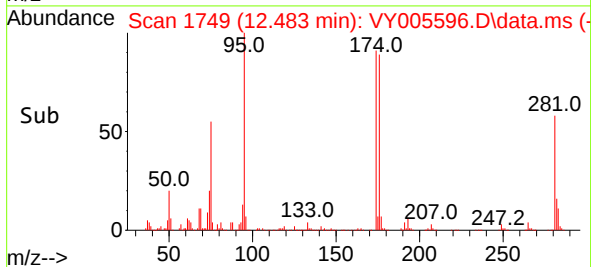
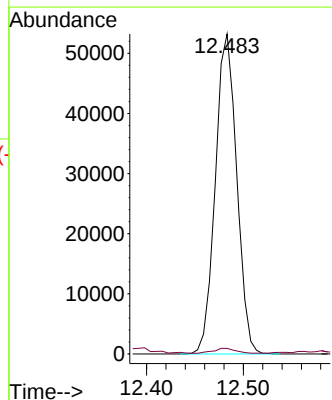
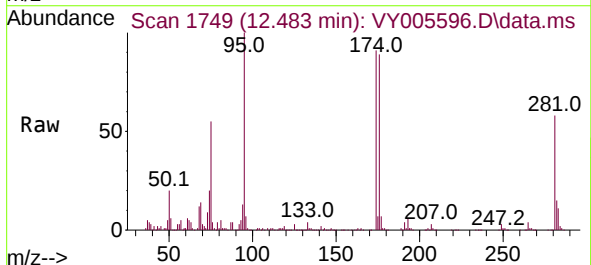
Instrument :
MSVOA_Y
ClientSampled :

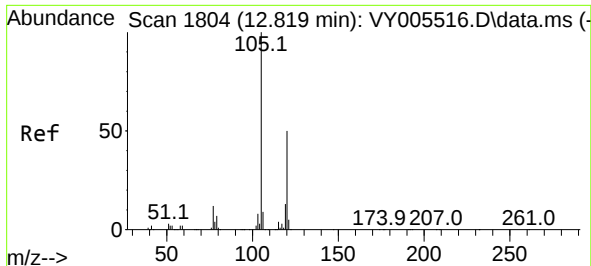
Tgt Ion: 83 Resp: 2443
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.0 96.2#



#76
1,2,3-Trichloropropane
Concen: 51.86 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 75 Resp: 81574
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

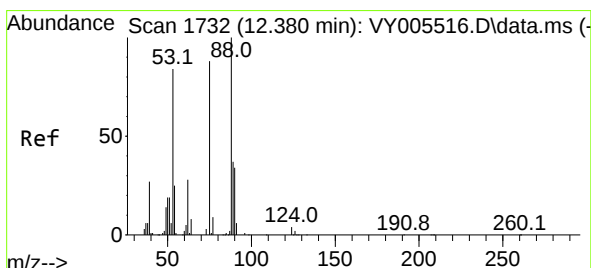
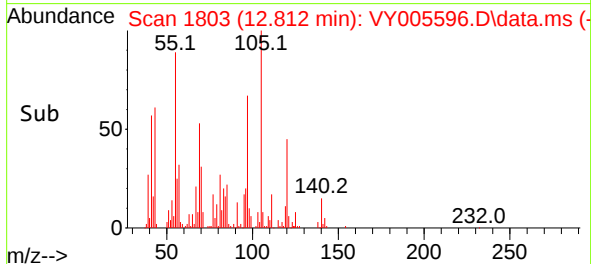
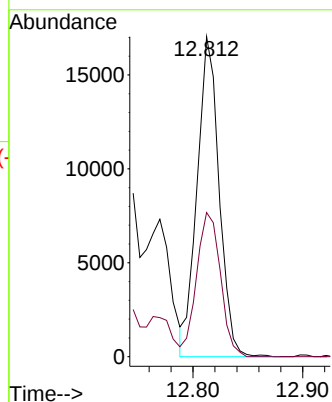
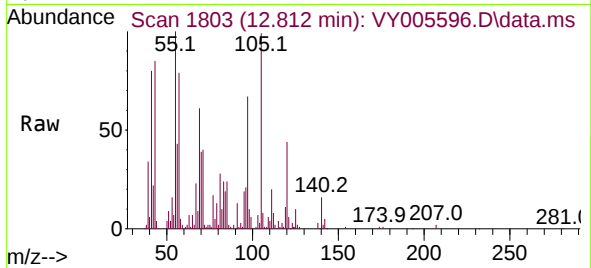




#80
1,3,5-Trimethylbenzene
Concen: 2.70 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

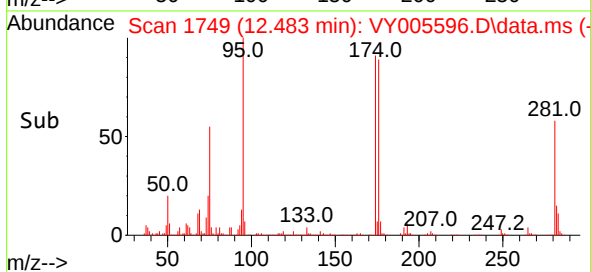
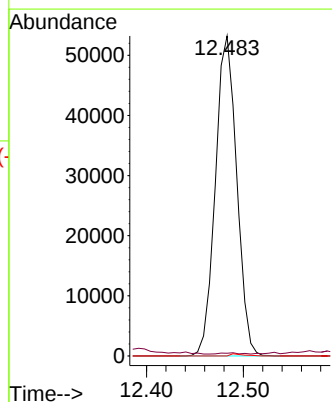
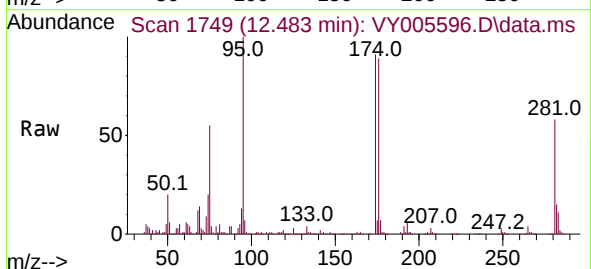
Instrument :
MSVOA_Y
ClientSampled :

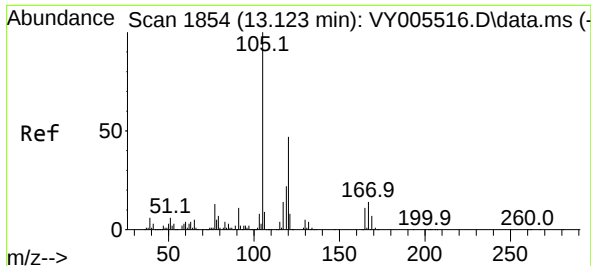
Tgt Ion:105 Resp: 23763
Ion Ratio Lower Upper
105 100
120 48.8 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.55 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

Tgt Ion: 75 Resp: 81574
Ion Ratio Lower Upper
75 100
53 0.3 76.7 115.1#
89 0.4 38.4 57.6#

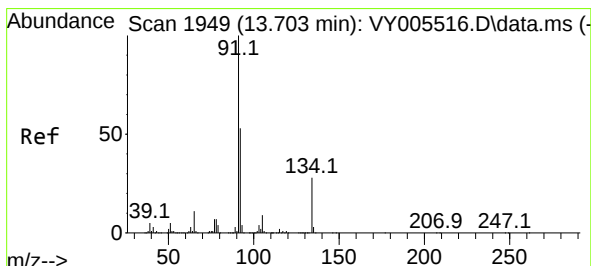
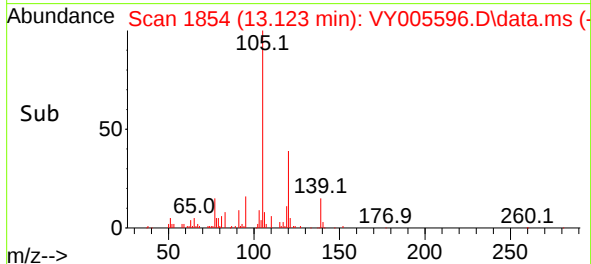
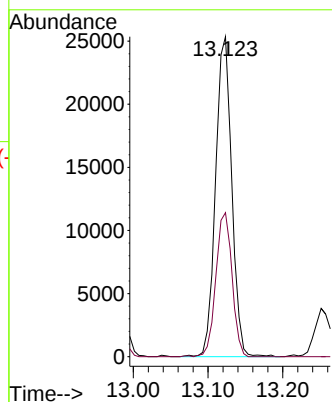
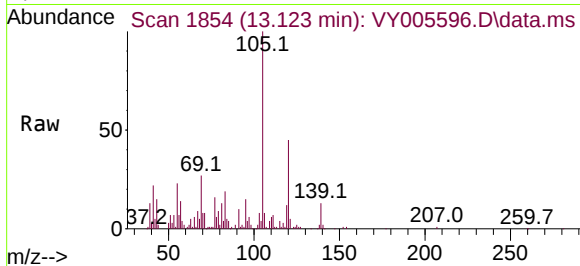




#84
1,2,4-Trimethylbenzene
Concen: 4.39 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

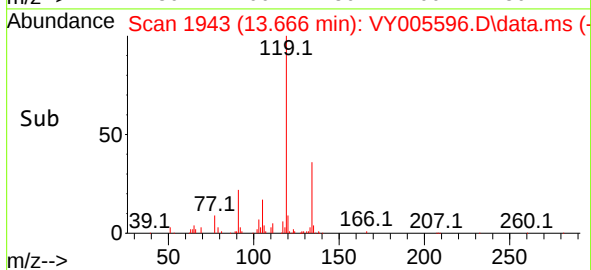
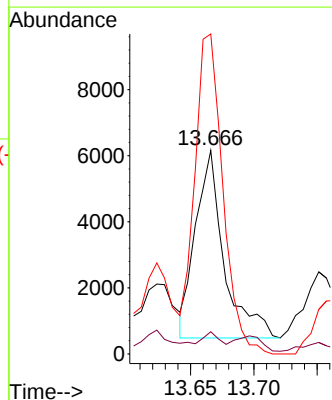
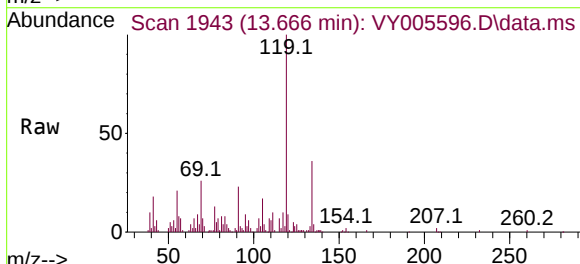
Instrument :
MSVOA_Y
ClientSampled :

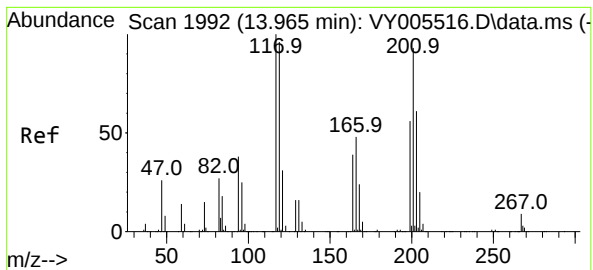
Tgt Ion:105 Resp: 38120
Ion Ratio Lower Upper
105 100
120 45.0 22.9 68.5



#89
n-Butylbenzene
Concen: 1.01 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.037 min
Lab File: VY005596.D
Acq: 10 Aug 2021 15:26

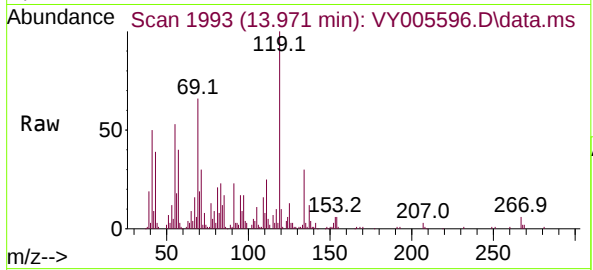
Tgt Ion: 91 Resp: 8916
Ion Ratio Lower Upper
91 100
92 6.4 26.7 80.1#
134 168.5 13.8 41.4#





#90
 Hexachloroethane
 Concen: 1.56 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VY005596.D
 Acq: 10 Aug 2021 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:117 Resp: 2742
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.7 140.1#

