

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081821\
 Data File : VY005736.D
 Acq On : 18 Aug 2021 13:49
 Operator : SY/MD
 Sample : M3430-03
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 19 05:17:10 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)

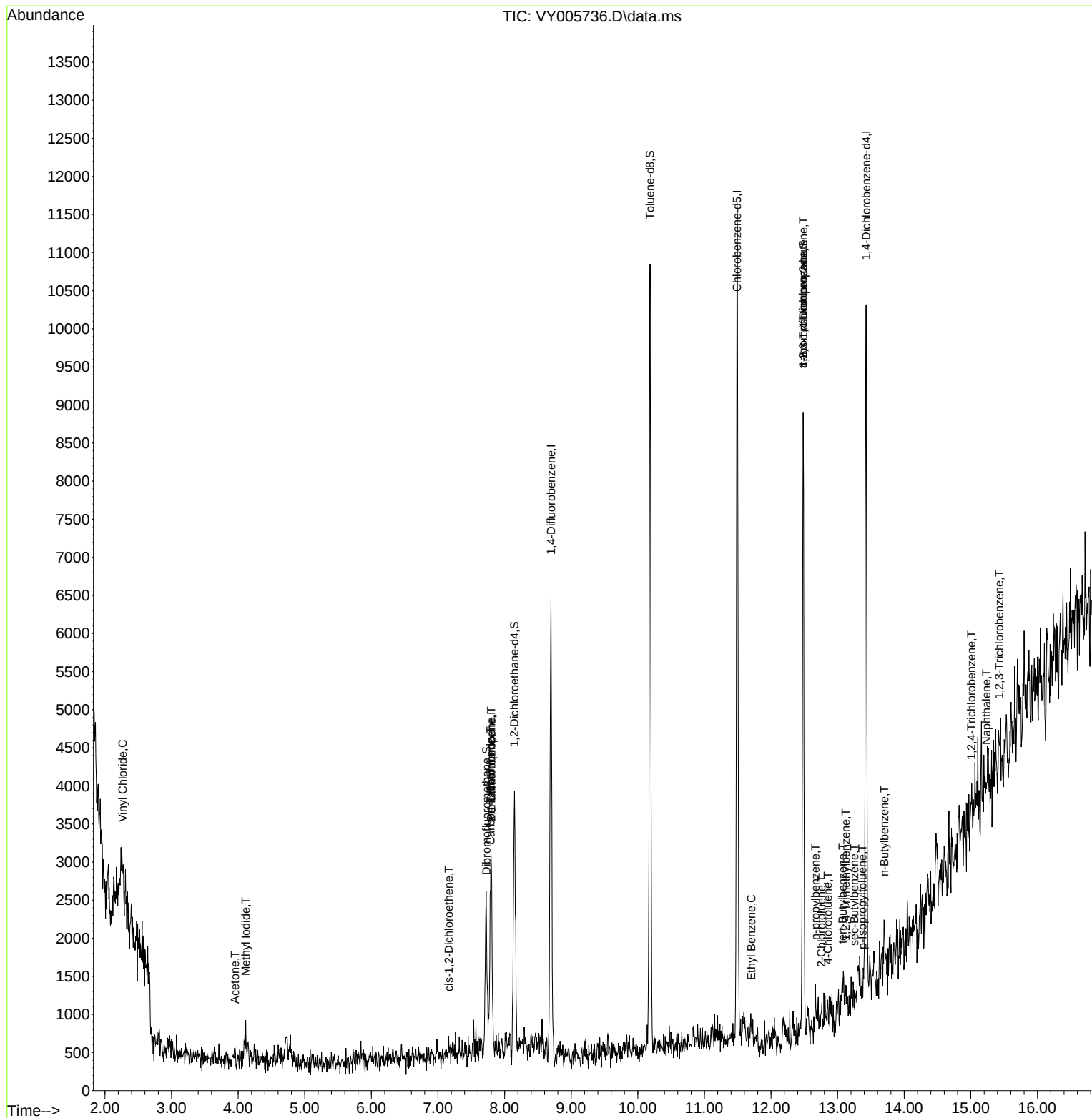
Internal Standards						
1) Pentafluorobenzene	7.801	168	2539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	5156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2663	103.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 207.220%#	
35) Dibromofluoromethane	7.728	113	1295	44.861	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.720%	
50) Toluene-d8	10.185	98	6634	54.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.600%	
62) 4-Bromofluorobenzene	12.483	95	2378	59.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.620%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.266	62	405	13.574	ug/l #	42
10) Methyl Iodide	4.113	142	525	19.447	ug/l #	61
16) Acetone	3.954	43	117	18.056	ug/l #	45
20) Methylene Chloride	4.741	84	100	Below Cal	#	4
27) cis-1,2-Dichloroethene	7.161	96	42	1.510	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	49	1.013	ug/l #	41
38) Carbon Tetrachloride	7.789	117	156	2.968	ug/l #	13
67) Ethyl Benzene	11.703	91	225	1.057	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	1427	56.832	ug/l #	100
78) n-propylbenzene	12.666	91	266	1.324	ug/l #	51
79) 2-Chlorotoluene	12.758	91	133	1.179	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	1427	114.565	ug/l #	11
82) 4-Chlorotoluene	12.855	91	171	1.465	ug/l #	40
83) tert-Butylbenzene	13.075	119	146	1.159	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.123	105	198	1.430	ug/l #	62
85) sec-Butylbenzene	13.251	105	183	1.007	ug/l #	55
86) p-Isopropyltoluene	13.373	119	165	1.058	ug/l #	50
89) n-Butylbenzene	13.703	91	196	1.387	ug/l #	48
93) 1,2,4-Trichlorobenzene	15.007	180	89	1.809	ug/l #	12
95) Naphthalene	15.233	128	198	2.042	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	49	1.124	ug/l #	12

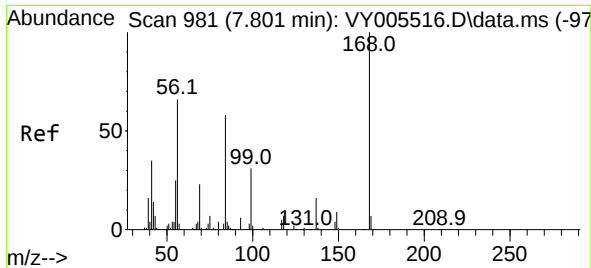
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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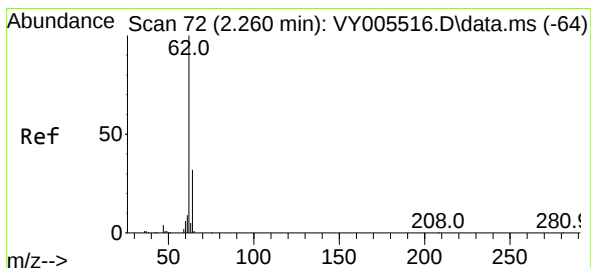
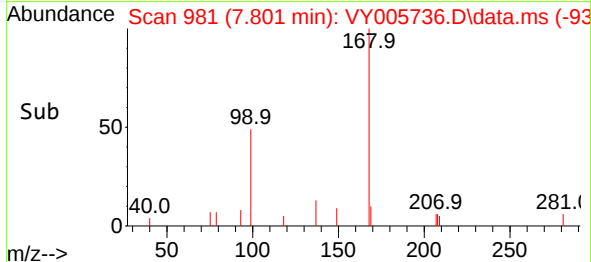
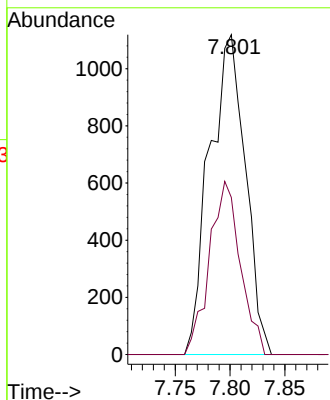
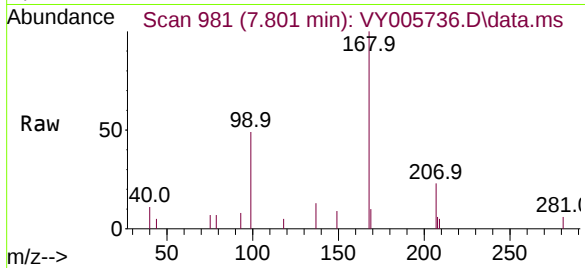




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

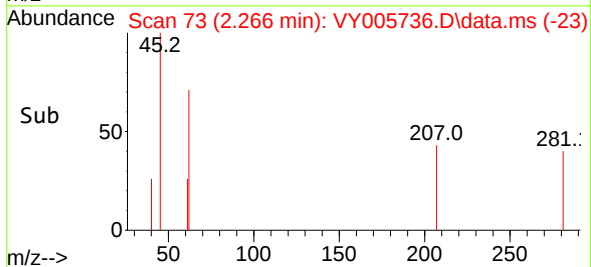
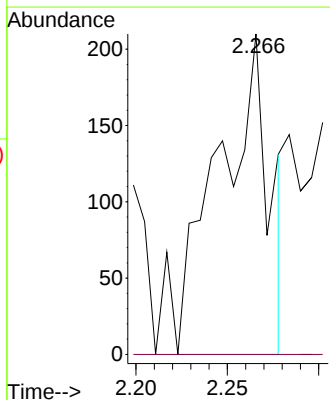
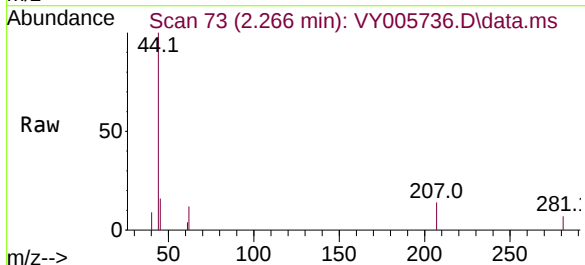
Instrument :
MSVOA_Y
ClientSampled :

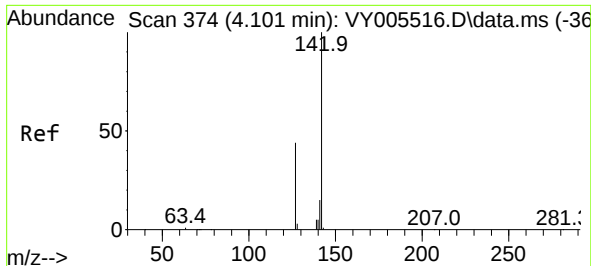
Tgt Ion:168 Resp: 2539
Ion Ratio Lower Upper
168 100
99 49.2 38.9 58.3



#4
Vinyl Chloride
Concen: 13.574 ug/l
RT: 2.266 min Scan# 73
Delta R.T. 0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 62 Resp: 405
Ion Ratio Lower Upper
62 100
64 0.0 25.9 38.9#





#10

Methyl Iodide

Concen: 19.447 ug/l

RT: 4.113 min Scan# 376

Delta R.T. 0.012 min

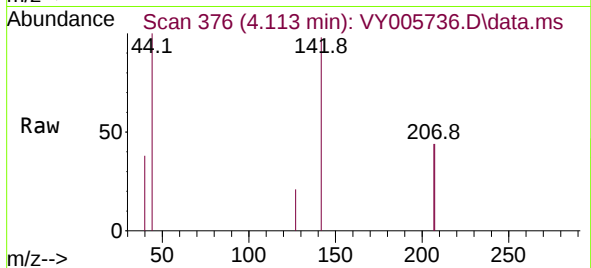
Lab File: VY005736.D

Acq: 18 Aug 2021 13:49

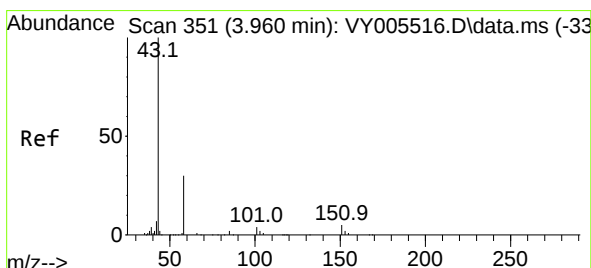
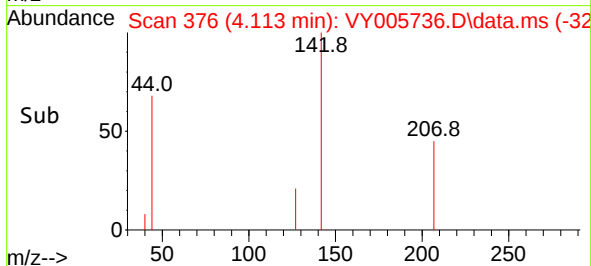
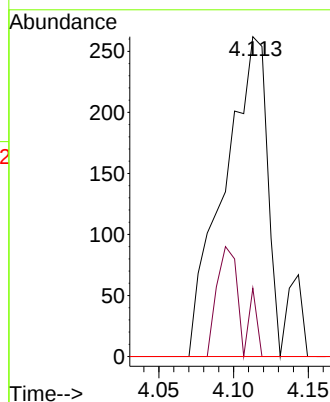
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	525
Ion	Ratio	Lower	Upper
142	100		
127	19.8	36.6	54.8#
141	0.0	12.2	18.4#



#16

Acetone

Concen: 18.056 ug/l

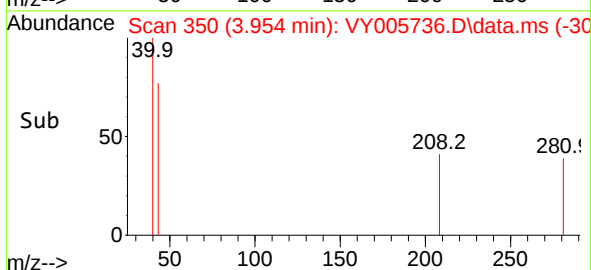
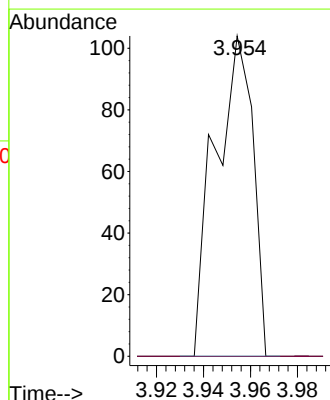
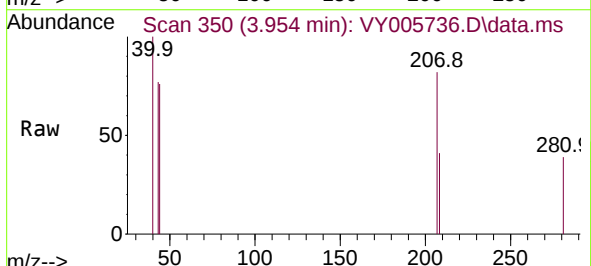
RT: 3.954 min Scan# 350

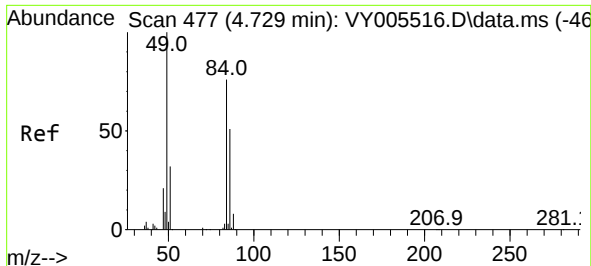
Delta R.T. -0.006 min

Lab File: VY005736.D

Acq: 18 Aug 2021 13:49

Tgt Ion:	43	Resp:	117
Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.6#

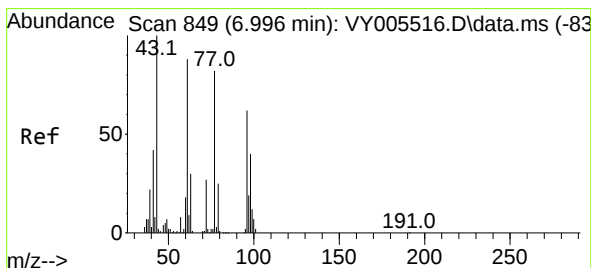
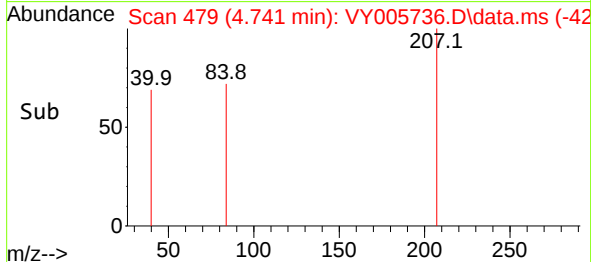
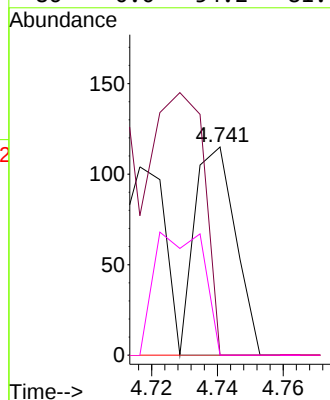
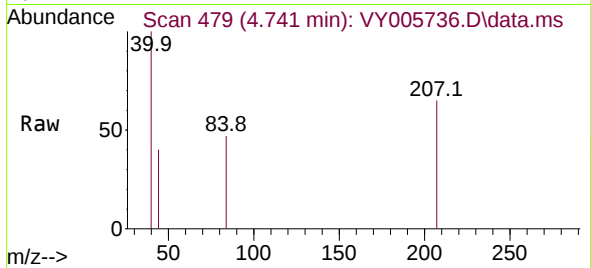




#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

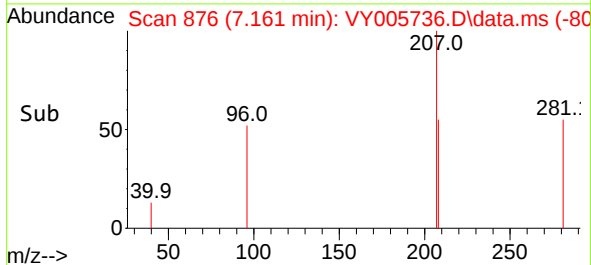
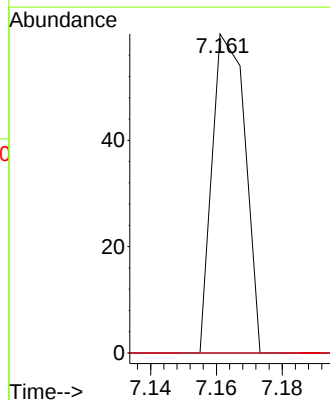
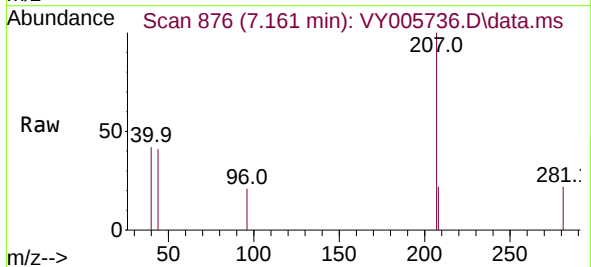
Instrument :
MSVOA_Y
ClientSampled :

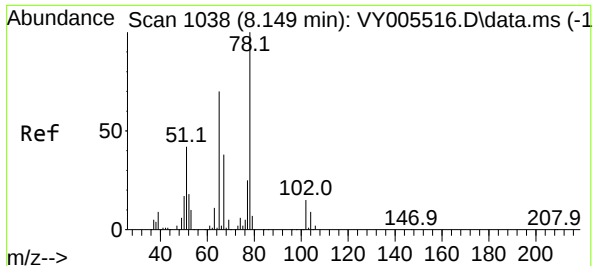
Tgt Ion: 84 Resp: 100
Ion Ratio Lower Upper
84 100
49 0.0 105.8 158.6#
51 0.0 33.4 50.2#
86 0.0 54.2 81.4#



#27
cis-1,2-Dichloroethene
Concen: 1.510 ug/l
RT: 7.161 min Scan# 876
Delta R.T. 0.165 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 96 Resp: 42
Ion Ratio Lower Upper
96 100
61 0.0 0.0 290.0
98 0.0 0.0 128.0

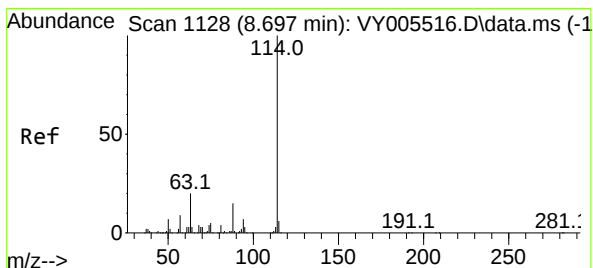
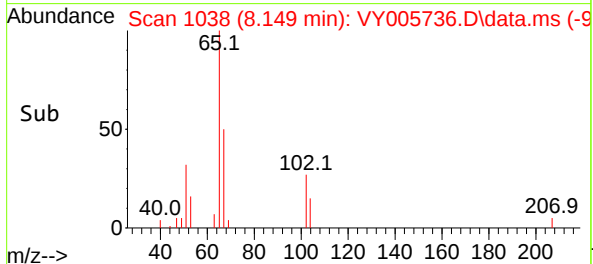
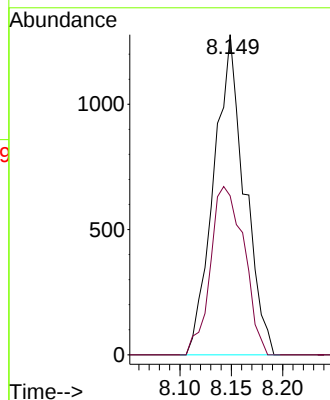
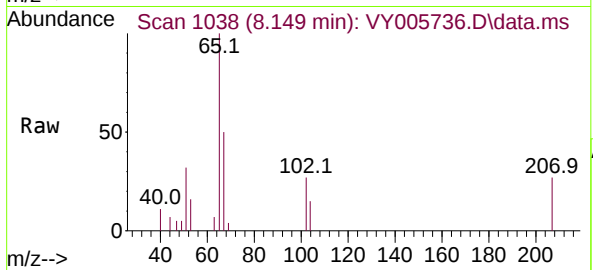




#33
 1,2-Dichloroethane-d4
 Concen: 103.615 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005736.D
 Acq: 18 Aug 2021 13:49

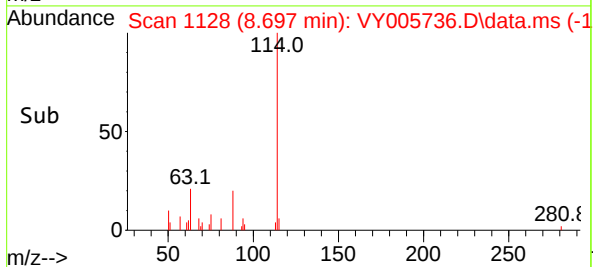
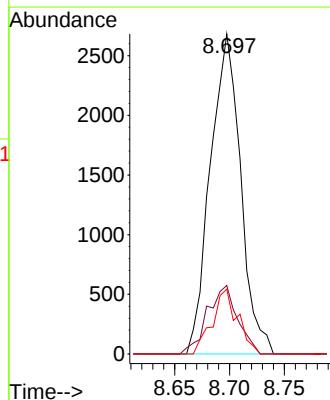
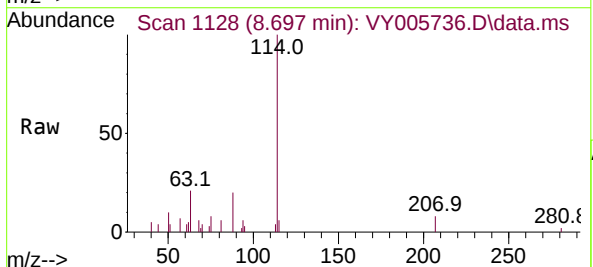
Instrument :
 MSVOA_Y
 ClientSampled :

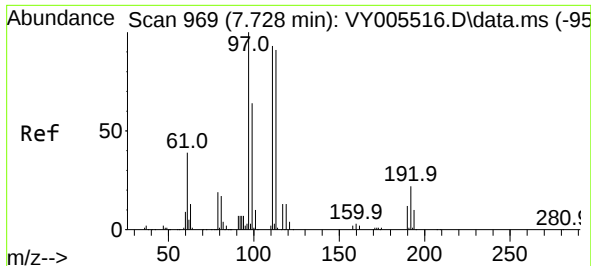
Tgt Ion: 65 Resp: 2663
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005736.D
 Acq: 18 Aug 2021 13:49

Tgt Ion: 114 Resp: 5156
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.2
 88 20.2 0.0 30.8

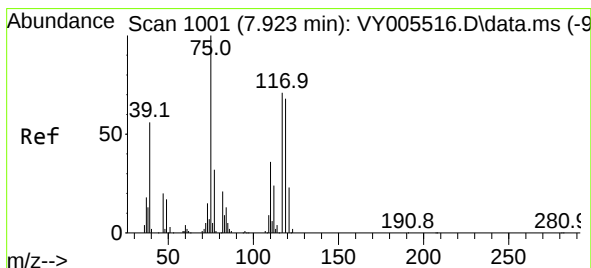
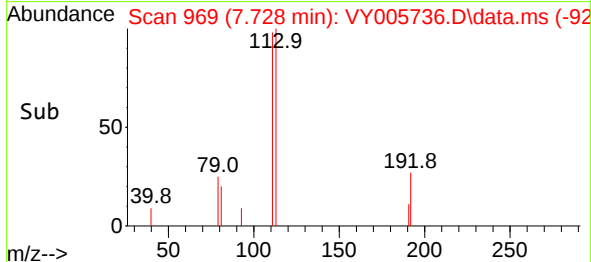
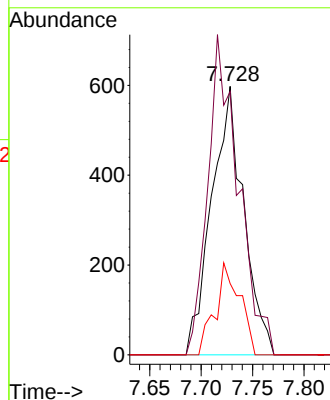
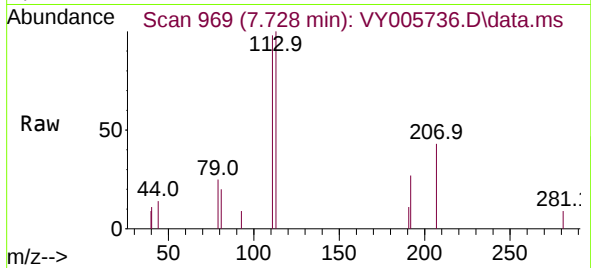




#35
Dibromofluoromethane
Concen: 44.861 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

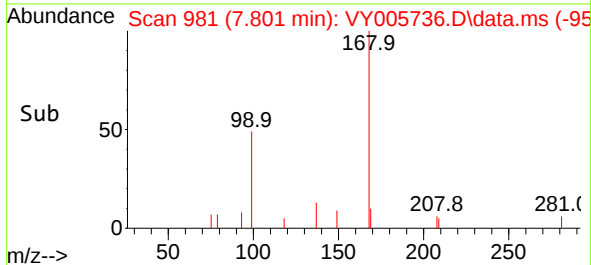
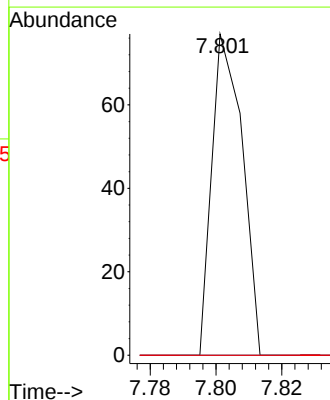
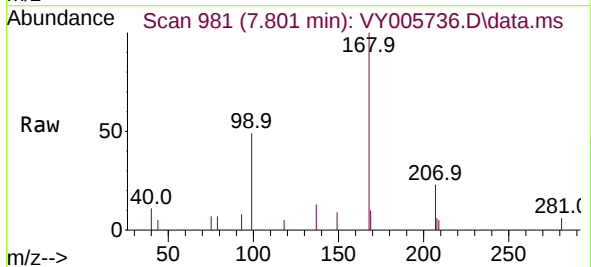
Instrument :
MSVOA_Y
ClientSampled :

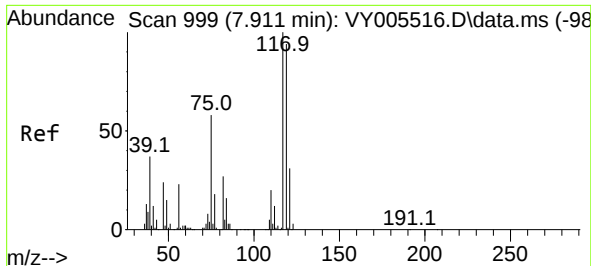
Tgt Ion:113 Resp: 1295
Ion Ratio Lower Upper
113 100
111 114.0 81.9 122.9
192 26.2 19.2 28.8



#36
1,1-Dichloropropene
Concen: 1.013 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

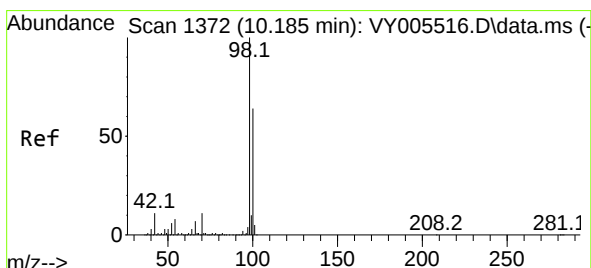
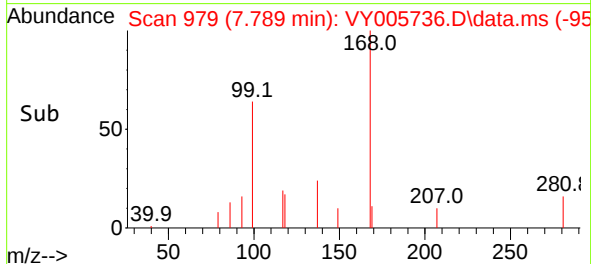
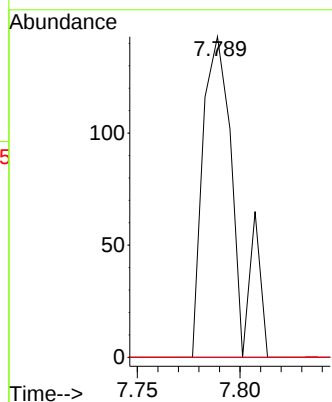
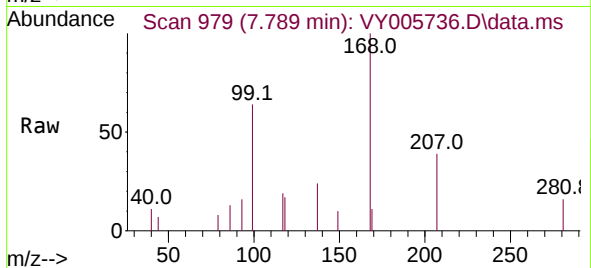




#38
Carbon Tetrachloride
Concen: 2.968 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

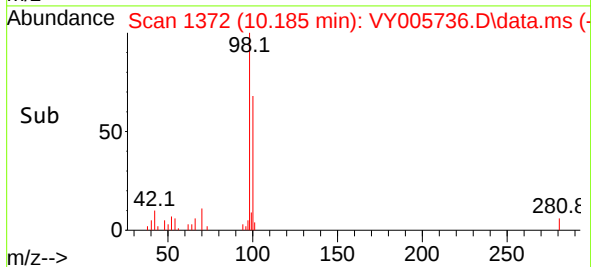
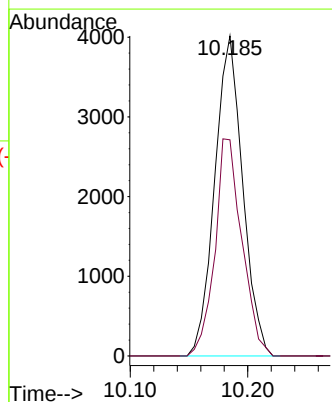
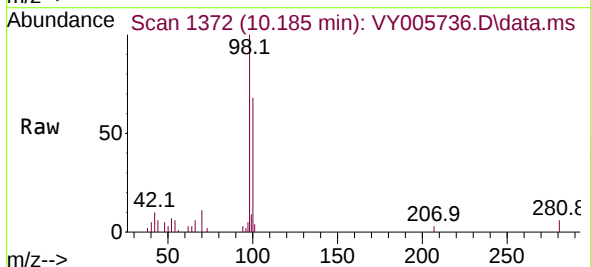
Instrument :
MSVOA_Y
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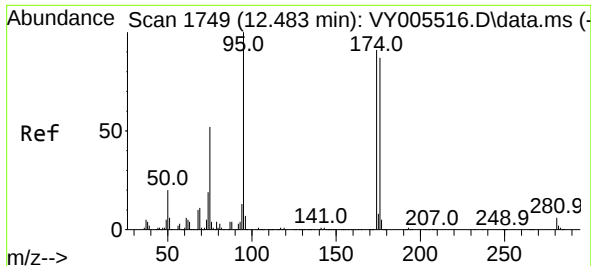
Tgt Ion:117 Resp: 156
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 54.796 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 98 Resp: 6634
Ion Ratio Lower Upper
98 100
100 65.7 51.3 76.9

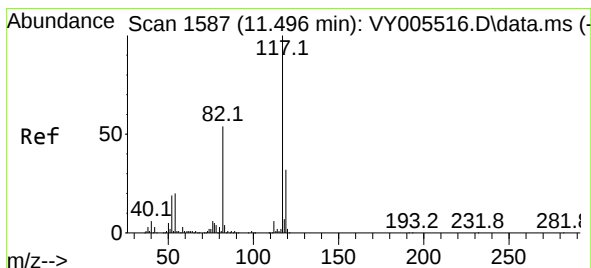
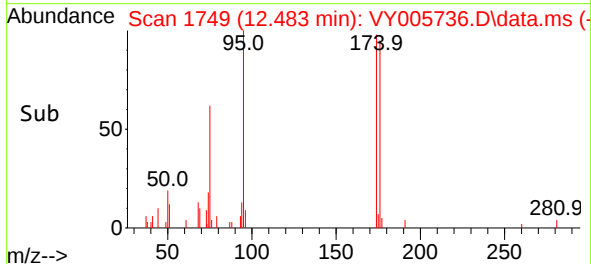
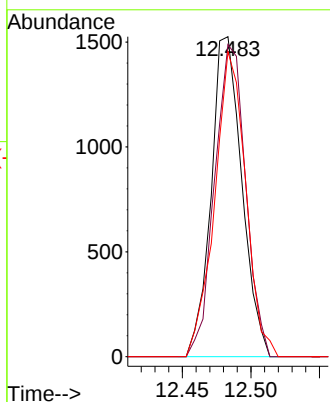
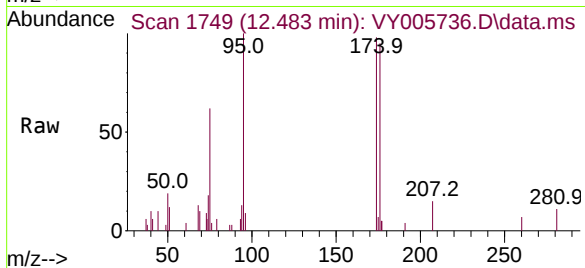




#62
4-Bromofluorobenzene
Concen: 59.315 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

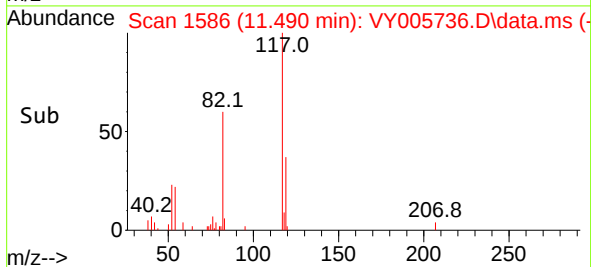
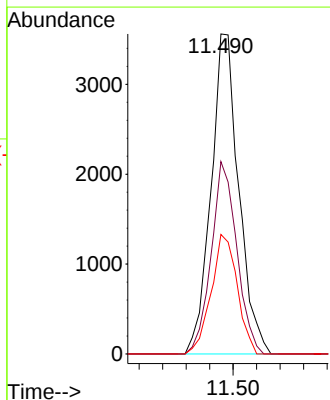
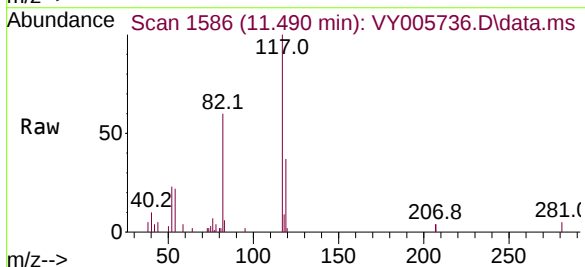
Instrument :
MSVOA_Y
ClientSampled :

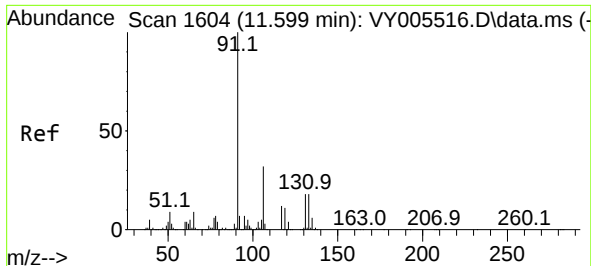
Tgt Ion:	95	Resp:	2378
Ion	Ratio	Lower	Upper
95	100		
174	98.4	0.0	191.4
176	96.1	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

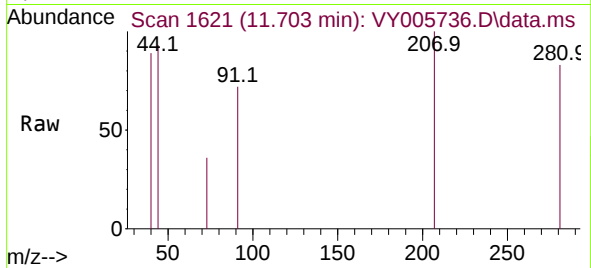
Tgt Ion:	117	Resp:	5836
Ion	Ratio	Lower	Upper
117	100		
82	60.1	43.5	65.3
119	37.3	25.5	38.3



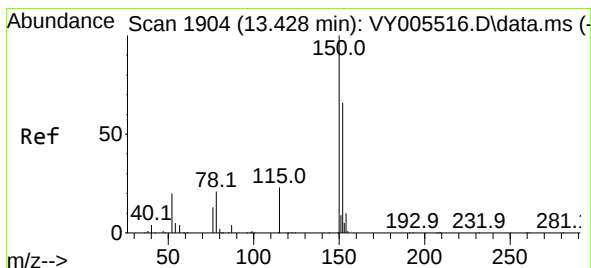
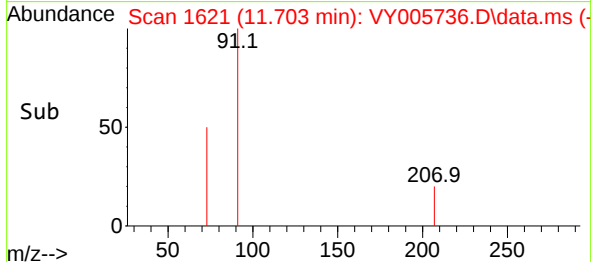
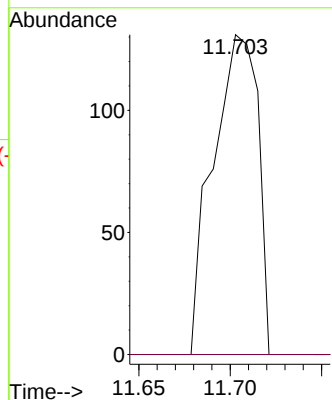


#67
Ethyl Benzene
Concen: 1.057 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.104 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Instrument :
MSVOA_Y
ClientSampled :

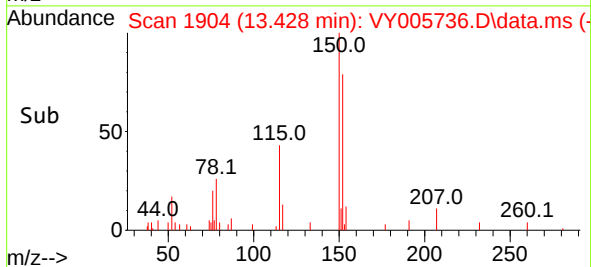
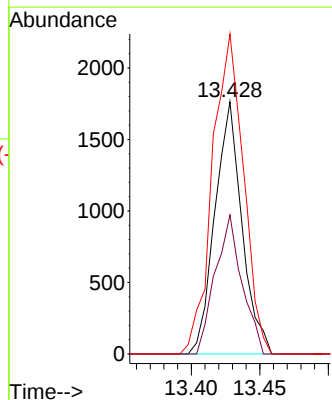
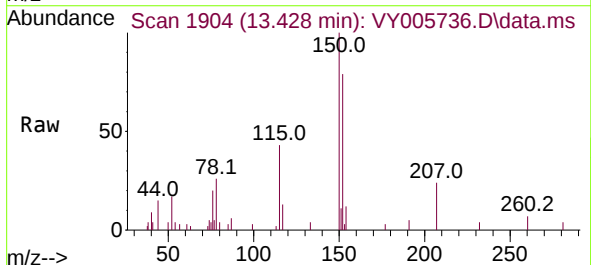


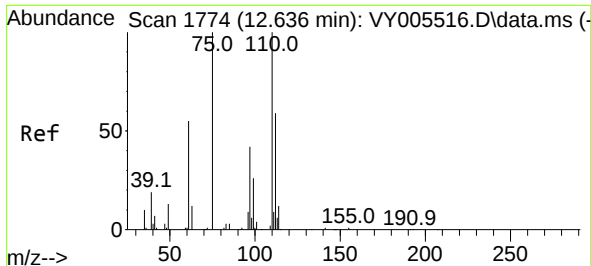
Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion:152 Resp: 2423
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 145.5 0.0 350.2

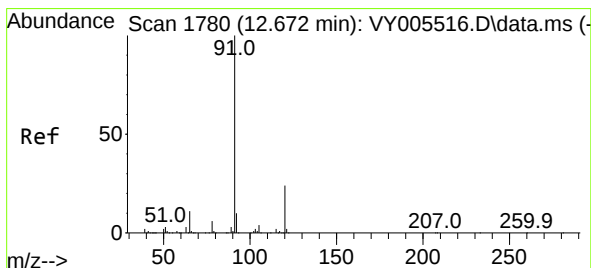
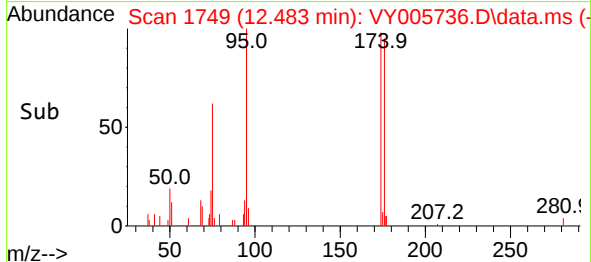
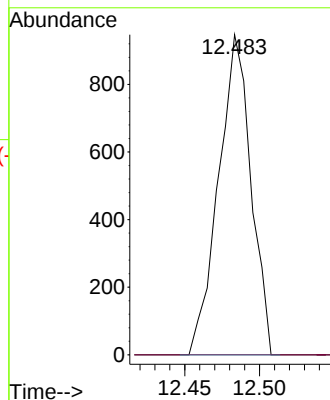
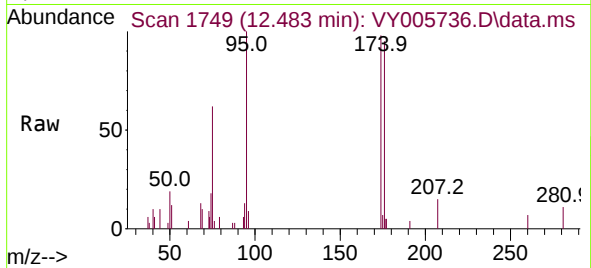




#76
1,2,3-Trichloropropane
Concen: 56.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

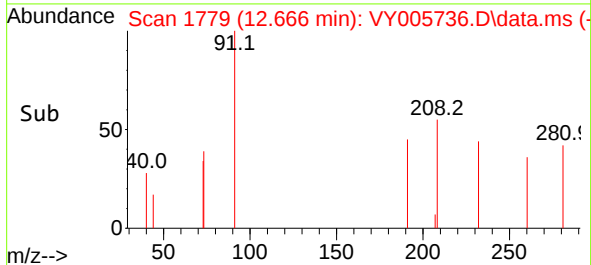
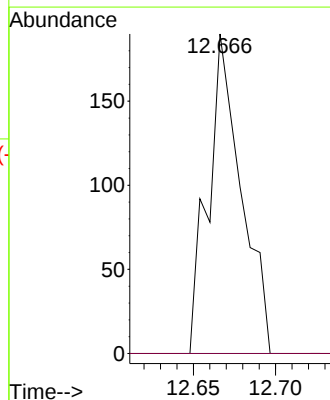
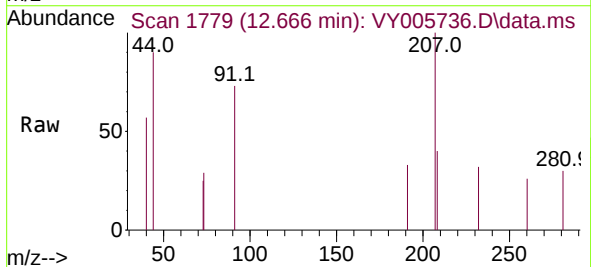
Instrument :
MSVOA_Y
ClientSampleId :

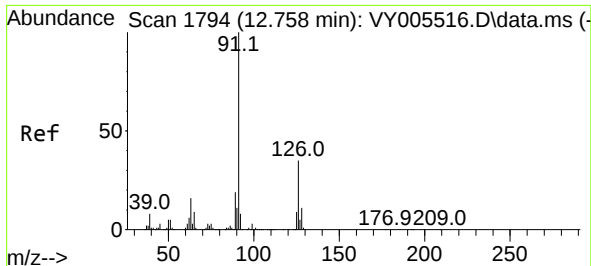
Tgt Ion: 75 Resp: 1427
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.324 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 91 Resp: 266
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#

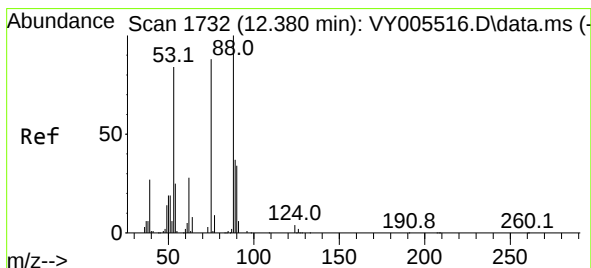
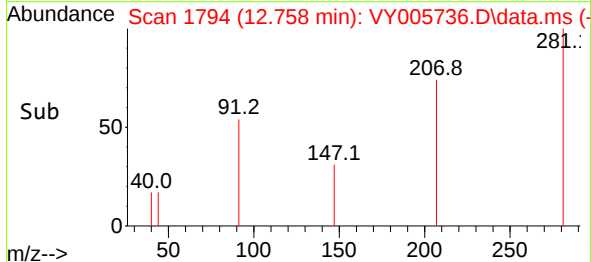
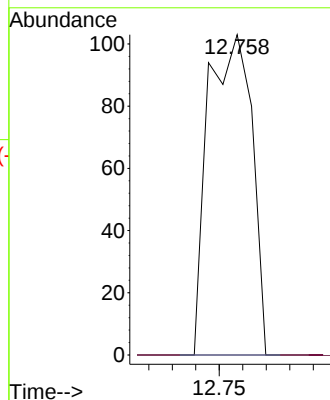
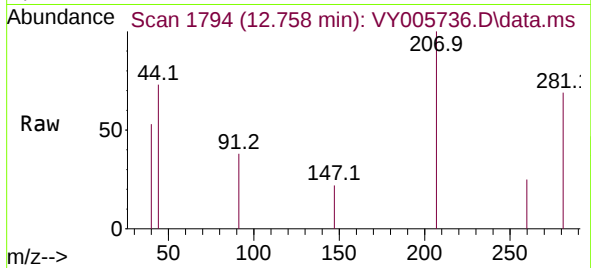




#79
2-Chlorotoluene
Concen: 1.179 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

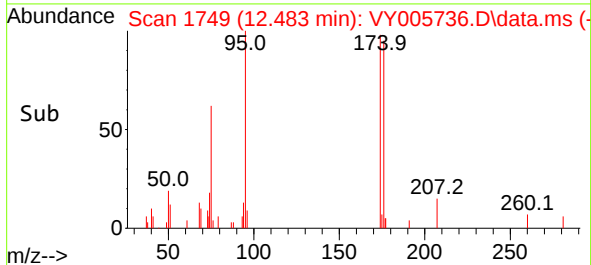
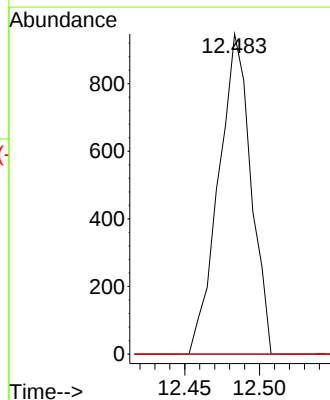
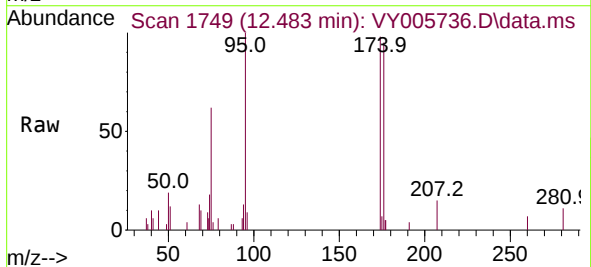
Instrument :
MSVOA_Y
ClientSampled :

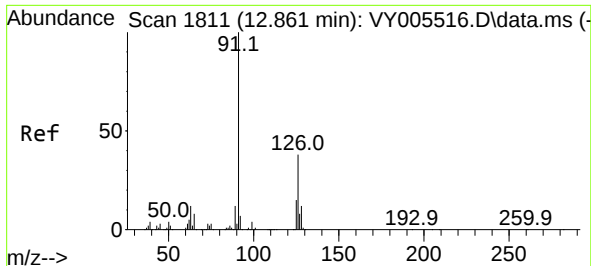
Tgt Ion: 91 Resp: 133
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 75 Resp: 1427
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#

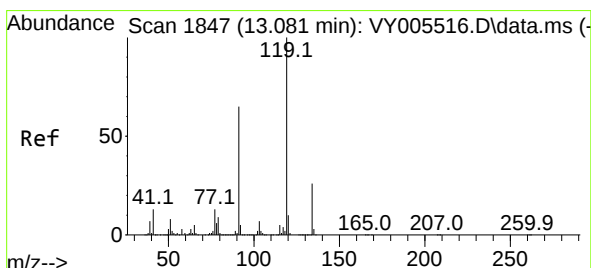
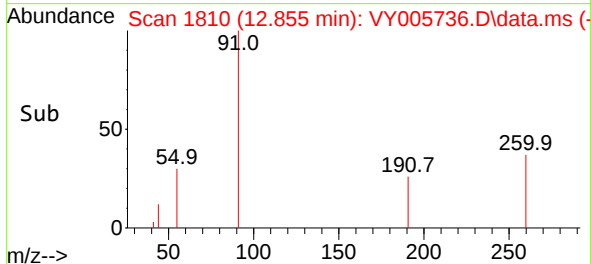
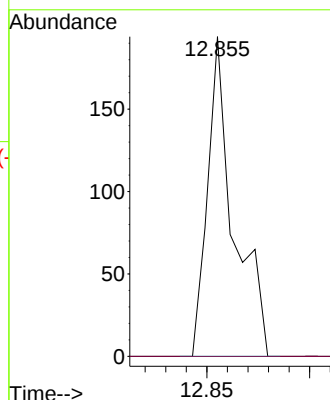
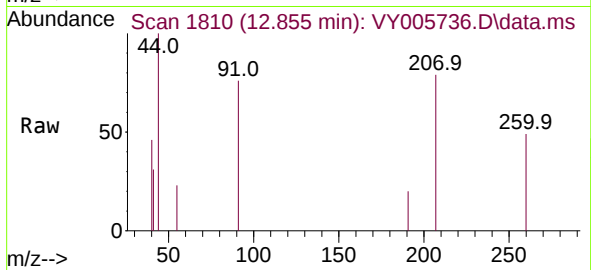




#82
4-Chlorotoluene
Concen: 1.465 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

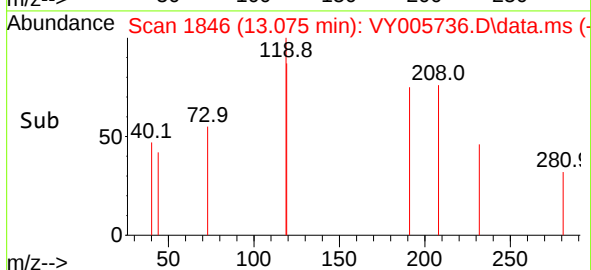
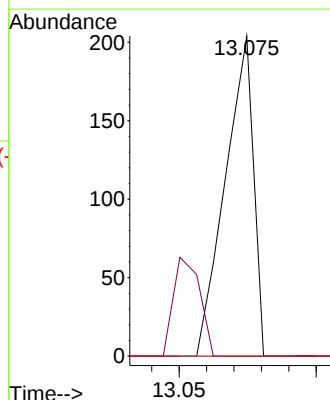
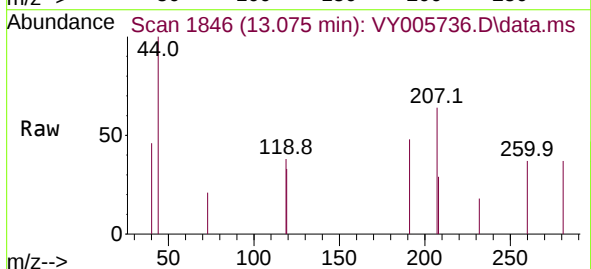
Instrument :
MSVOA_Y
ClientSampleId :

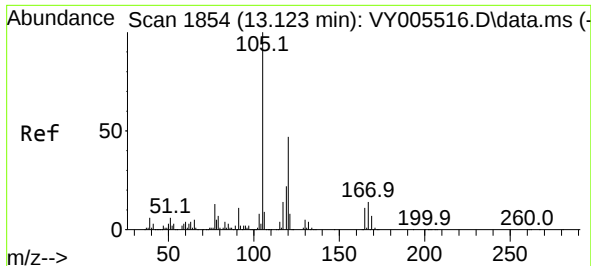
Tgt Ion: 91 Resp: 171
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#83
tert-Butylbenzene
Concen: 1.159 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion: 119 Resp: 146
Ion Ratio Lower Upper
119 100
91 0.0 31.9 95.9#
134 0.0 13.4 40.2#

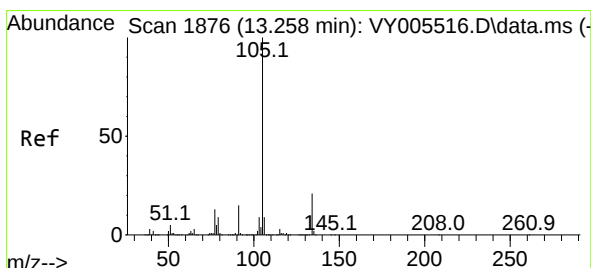
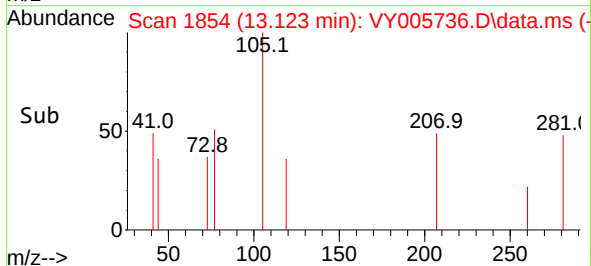
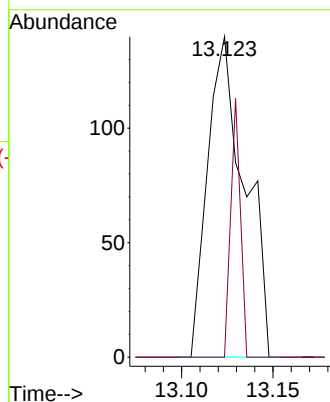
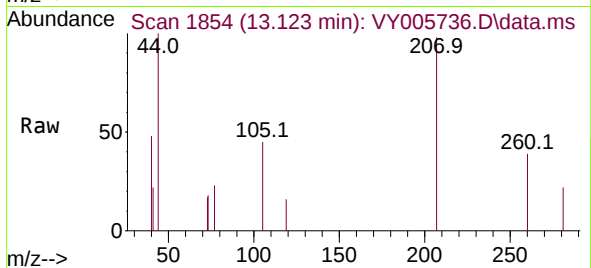




#84
1,2,4-Trimethylbenzene
Concen: 1.430 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

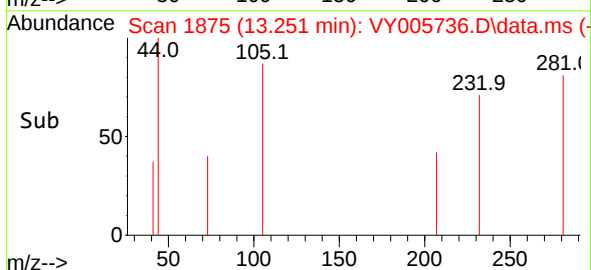
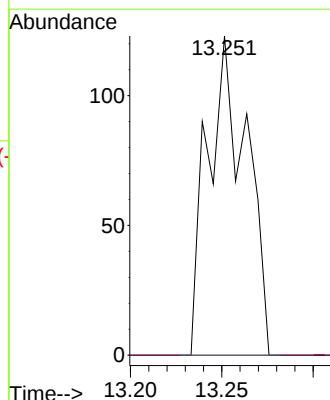
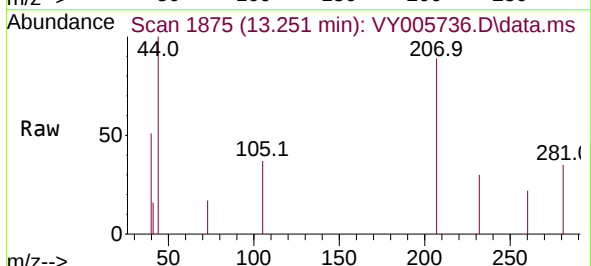
Instrument :
MSVOA_Y
ClientSampled :

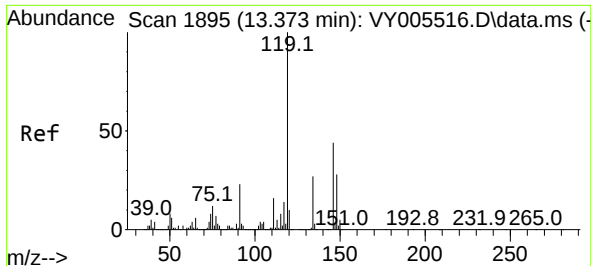
Tgt Ion:105 Resp: 198
Ion Ratio Lower Upper
105 100
120 20.7 22.9 68.5#



#85
sec-Butylbenzene
Concen: 1.007 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion:105 Resp: 183
Ion Ratio Lower Upper
105 100
134 0.0 10.5 31.5#

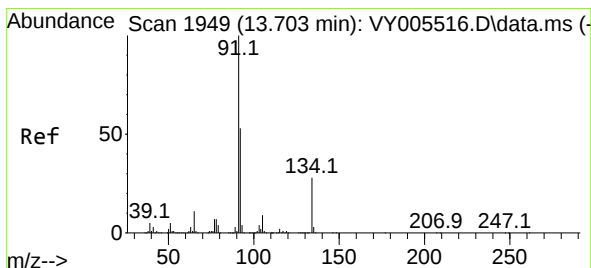
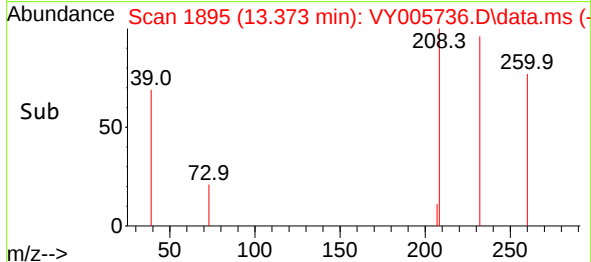
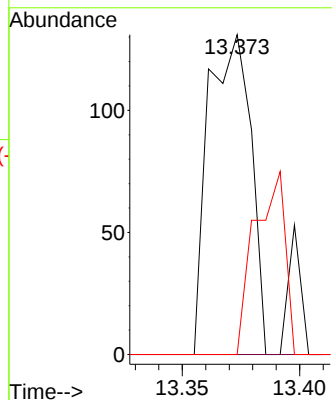
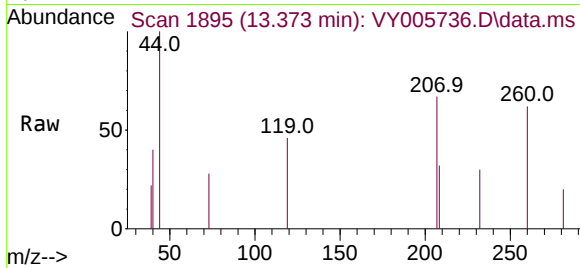




#86
p-Isopropyltoluene
Concen: 1.058 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

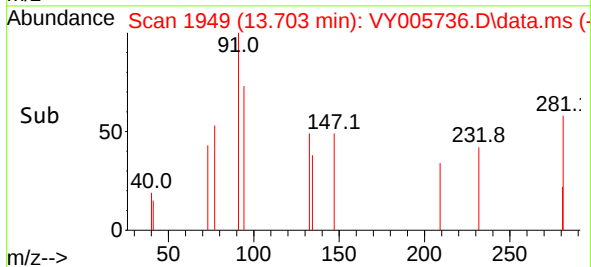
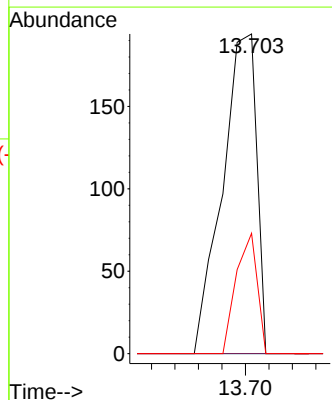
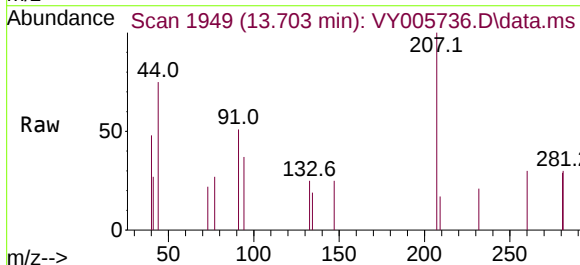
Instrument :
MSVOA_Y
ClientSampled :

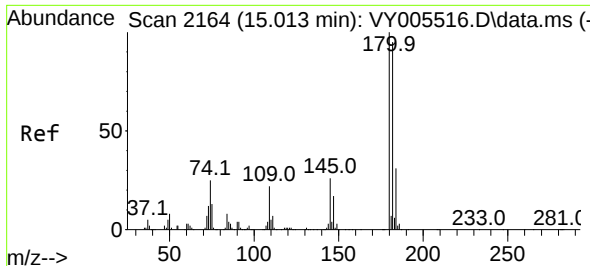
Tgt Ion:	119	Resp:	165
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.6	40.7#
91	0.0	11.6	34.7#



#89
n-Butylbenzene
Concen: 1.387 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

Tgt Ion:	91	Resp:	196
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.7	80.1#
134	23.0	13.8	41.4

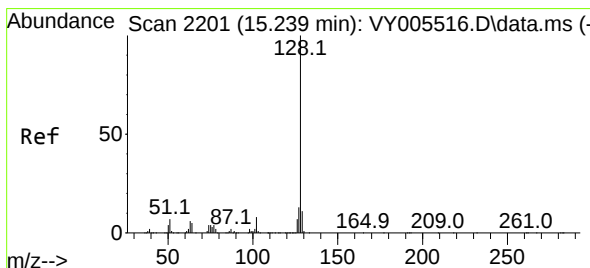
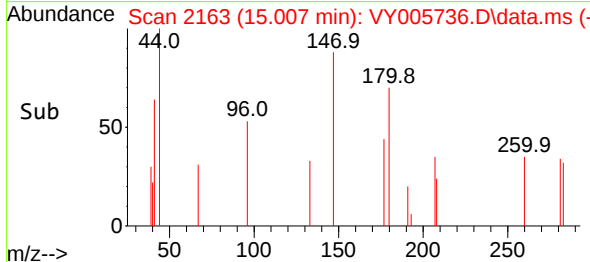
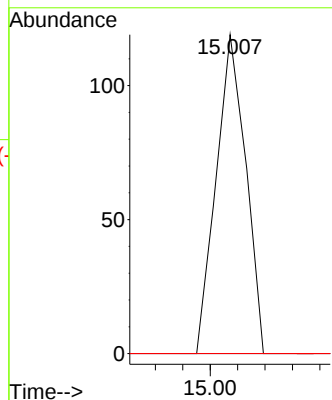
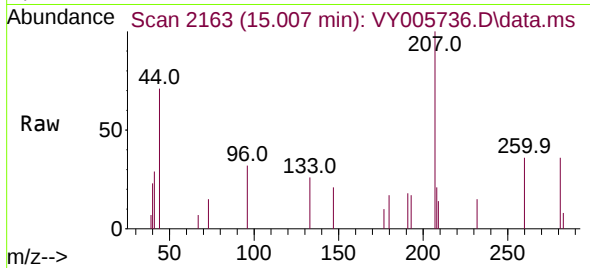




#93
1,2,4-Trichlorobenzene
Concen: 1.809 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

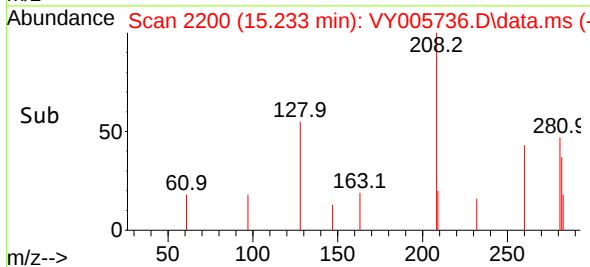
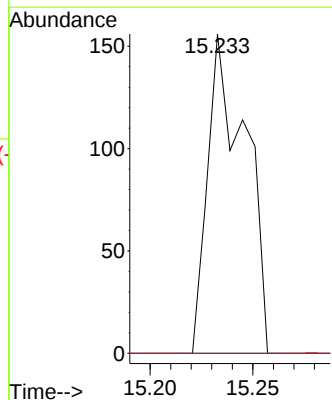
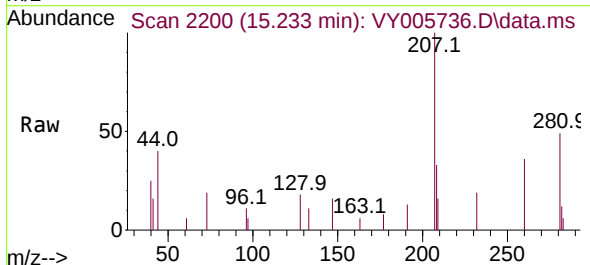
Instrument :
MSVOA_Y
ClientSampled :

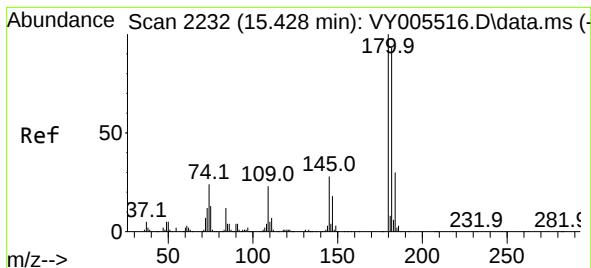
Tgt Ion:180 Resp: 89
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.4#
145 0.0 14.0 42.0#



#95
Naphthalene
Concen: 2.042 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY005736.D
Acq: 18 Aug 2021 13:49

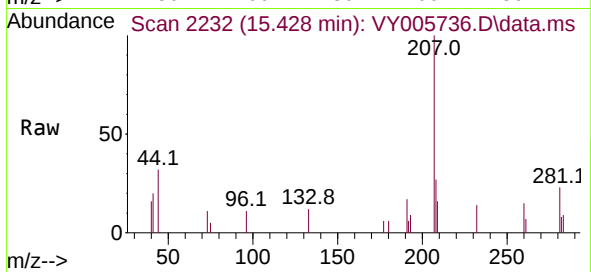
Tgt Ion:128 Resp: 198
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.124 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. 0.000 min
 Lab File: VY005736.D
 Acq: 18 Aug 2021 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	14.6	44.0#

