

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007885.D
 Acq On : 17 Mar 2022 19:26
 Operator : SY/MD
 Sample : N1864-14RE
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-5-6RE

Quant Time: Mar 18 08:56:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

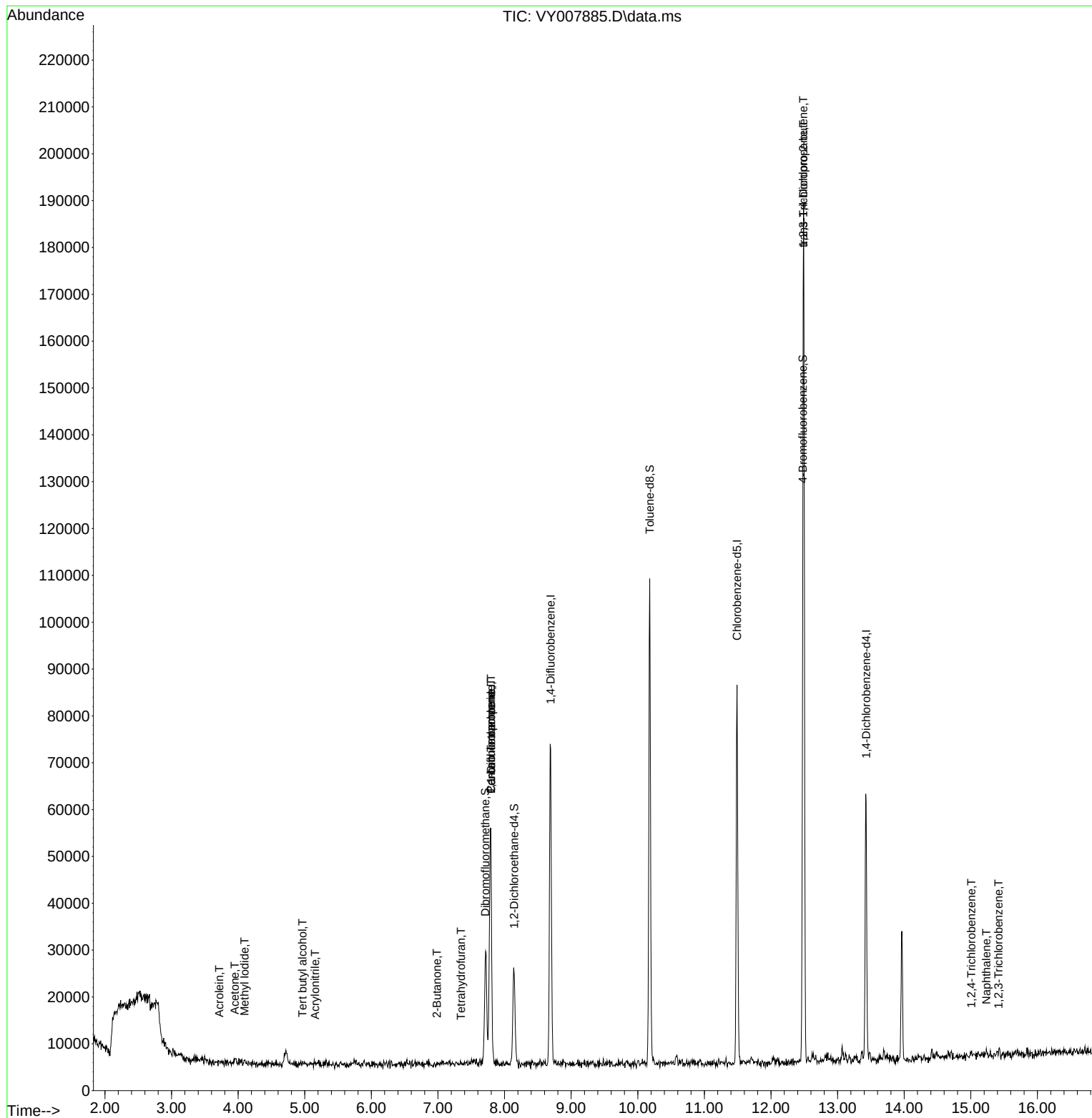
Internal Standards						
1) Pentafluorobenzene	7.795	168	38682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	61512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	43565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15617	35.409	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.820%
35) Dibromofluoromethane	7.710	113	16606	38.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.880%
50) Toluene-d8	10.179	98	69035	53.331	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.477	95	18090	29.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	58.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	107	Below Cal	#	43
3) Chloromethane	2.113	50	727	Below Cal	#	15
4) Vinyl Chloride	2.229	62	295	Below Cal	#	43
5) Bromomethane	2.656	94	617	Below Cal	#	77
10) Methyl Iodide	4.095	142	526	1.242	ug/l #	55
11) Tert butyl alcohol	4.966	59	77	1.499	ug/l #	1
13) Acrolein	3.717	56	310	10.017	ug/l #	71
15) Acrylonitrile	5.155	53	203	1.447	ug/l #	80
16) Acetone	3.948	43	2106	18.000	ug/l #	46
17) Carbon Disulfide	4.119	76	32	Below Cal	#	75
18) Methyl Acetate	4.491	43	288	Below Cal		99
25) 2-Butanone	6.984	43	192	1.024	ug/l #	54
29) Tetrahydrofuran	7.344	42	281	2.340	ug/l #	55
31) Cyclohexane	7.789	56	1223	Below Cal	#	26
36) 1,1-Dichloropropene	7.795	75	3255	5.080	ug/l #	53
38) Carbon Tetrachloride	7.795	117	4146	6.056	ug/l #	15
39) Methylcyclohexane	9.191	83	37	Below Cal	#	11
76) 1,2,3-Trichloropropane	12.483	75	10741	50.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10741	105.143	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.007	180	365	1.085	ug/l	95
95) Naphthalene	15.233	128	1145	1.526	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.416	180	303	1.022	ug/l #	67

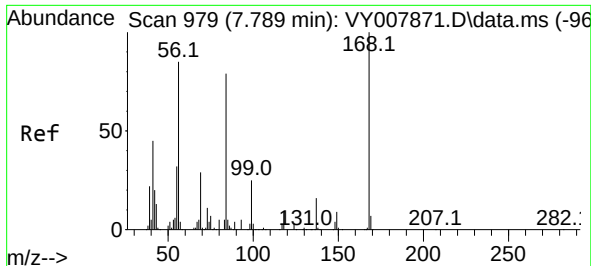
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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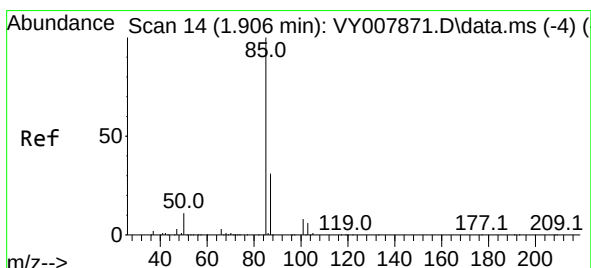
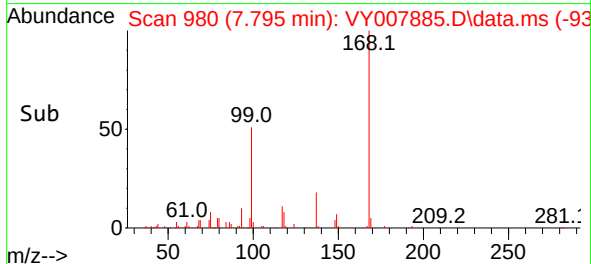
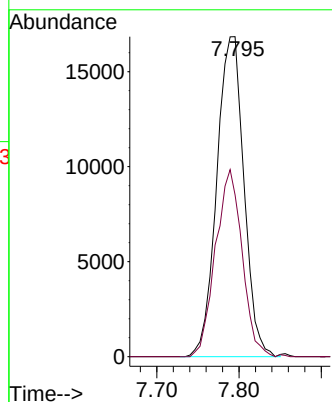
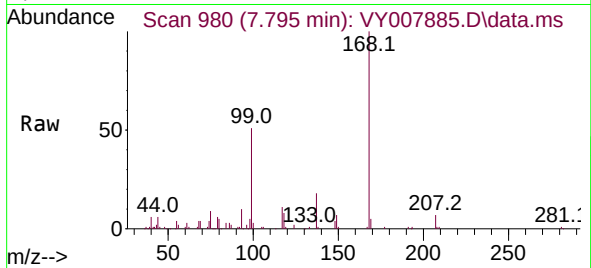




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

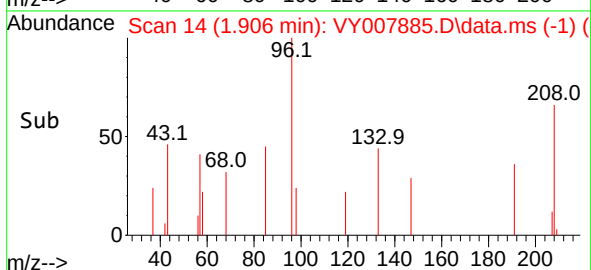
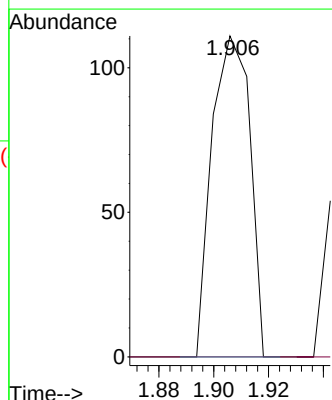
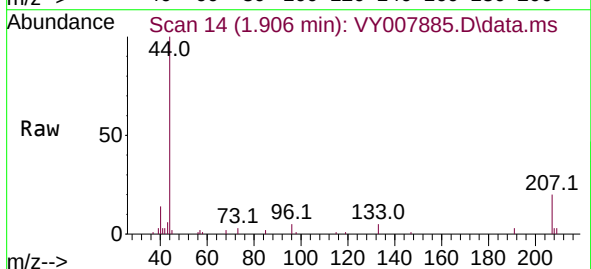
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

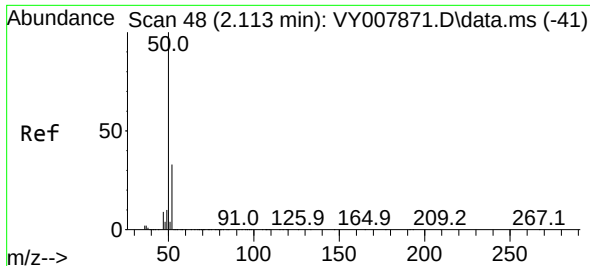
Tgt Ion:168 Resp: 38682
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 85 Resp: 107
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

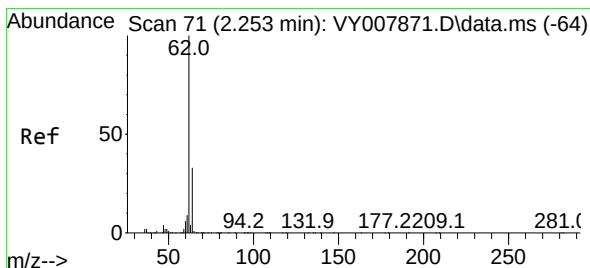
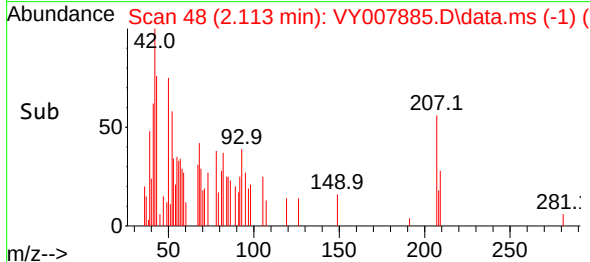
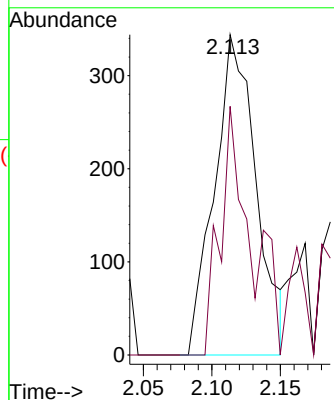
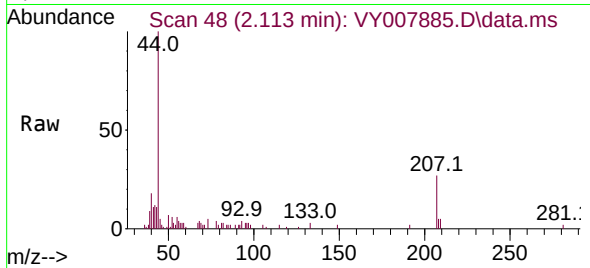




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

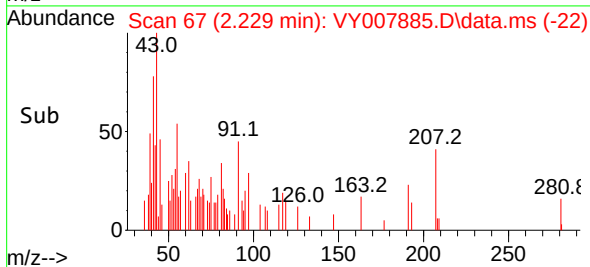
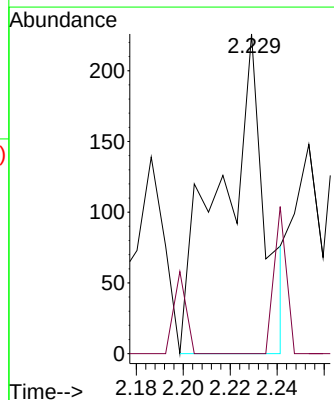
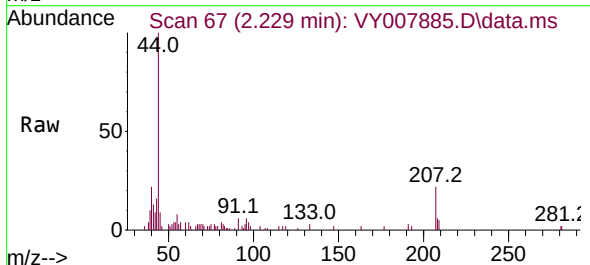
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

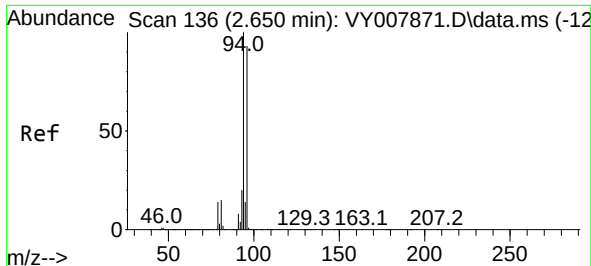
Tgt Ion: 50 Resp: 727
Ion Ratio Lower Upper
50 100
52 77.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.024 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 62 Resp: 295
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

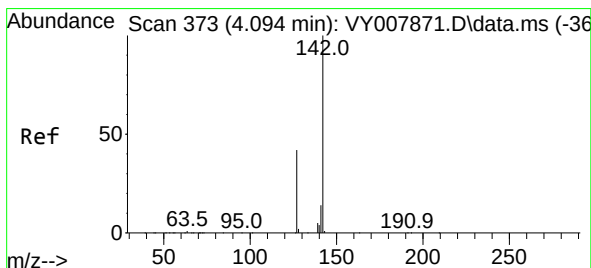
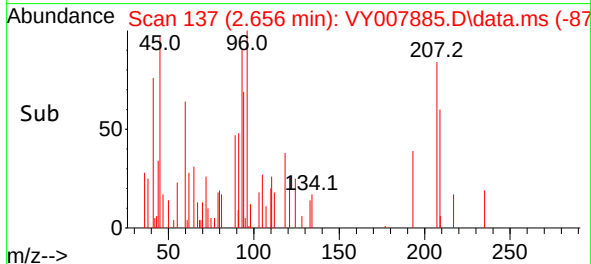
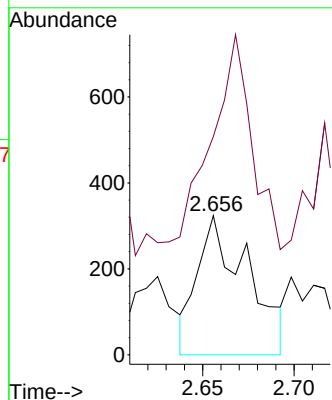
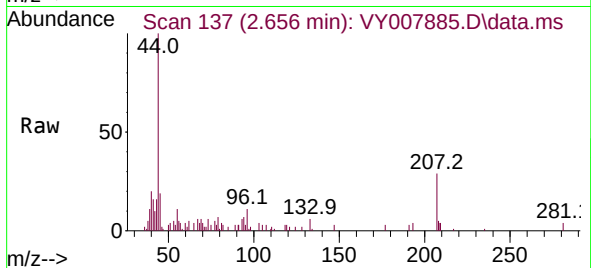




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

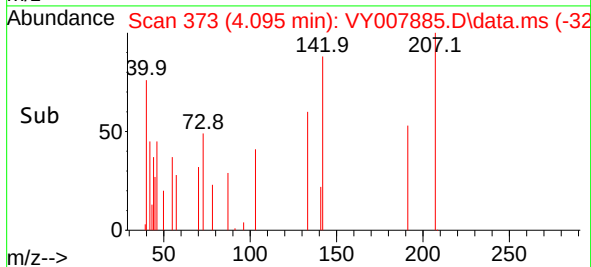
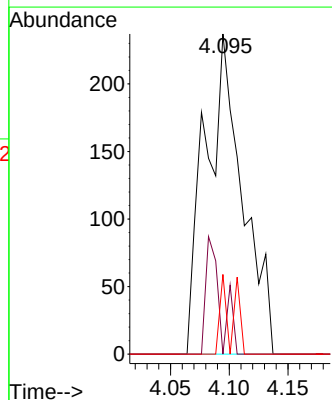
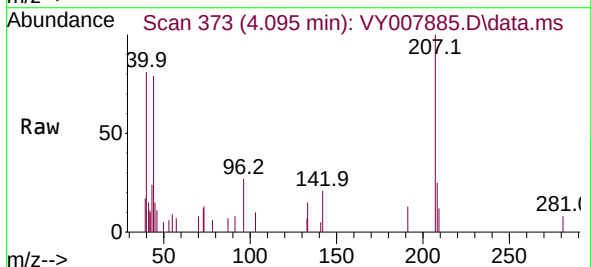
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

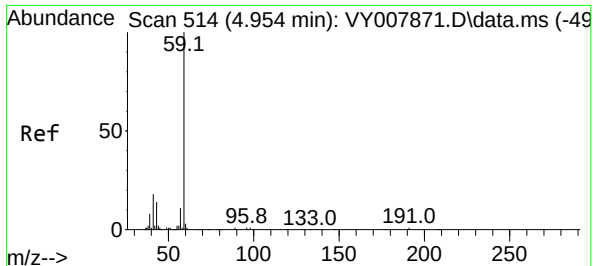
Tgt Ion: 94 Resp: 617
Ion Ratio Lower Upper
94 100
96 113.9 73.5 110.3#



#10
Methyl Iodide
Concen: 1.242 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion:142 Resp: 526
Ion Ratio Lower Upper
142 100
127 14.4 41.5 62.3#
141 8.0 11.9 17.9#

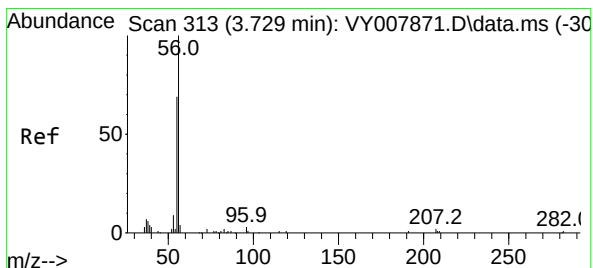
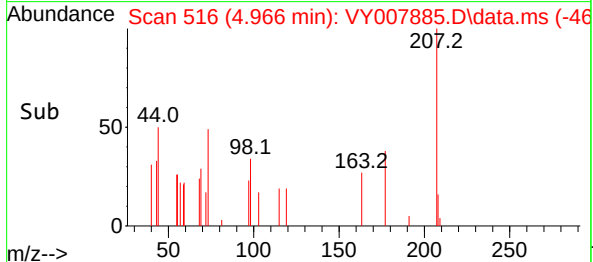
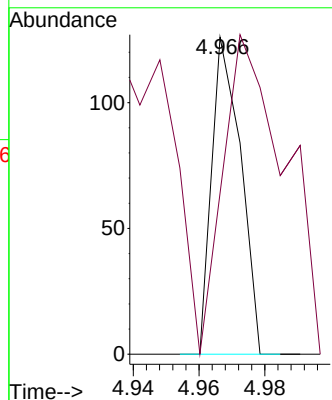
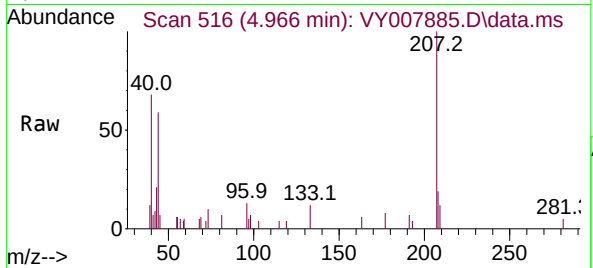




#11
Tert butyl alcohol
Concen: 1.499 ug/l
RT: 4.966 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

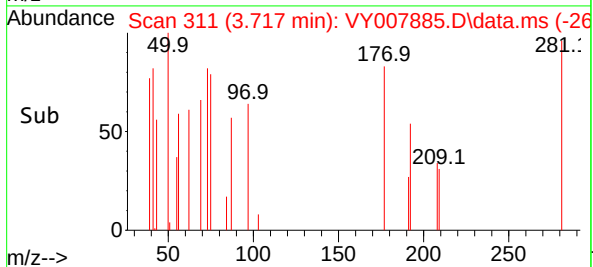
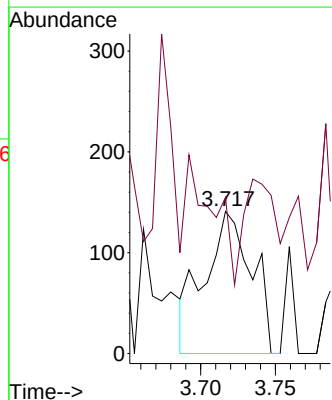
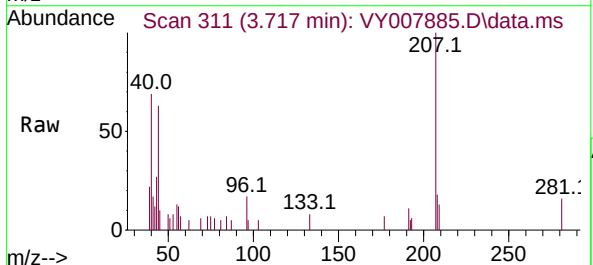
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

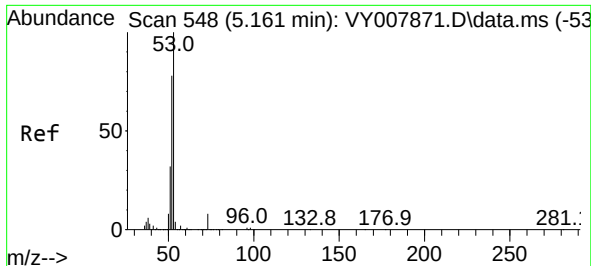
Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 214.3 6.4 9.6#



#13
Acrolein
Concen: 10.017 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
55 47.7 57.6 86.4#

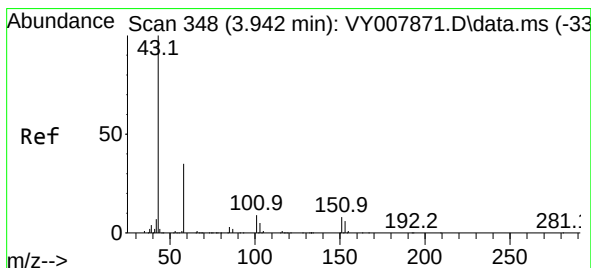
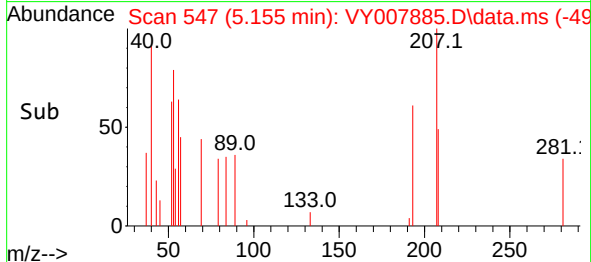
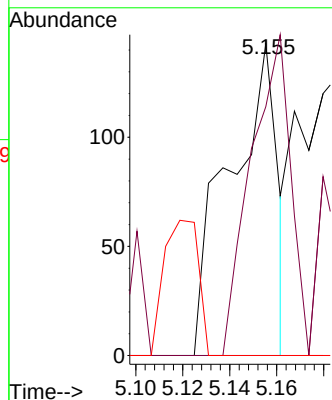
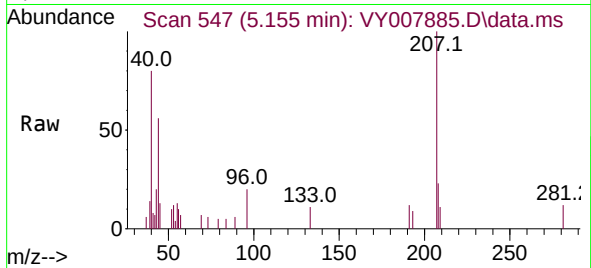




#15
Acrylonitrile
Concen: 1.447 ug/l
RT: 5.155 min Scan# 548
Delta R.T. -0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

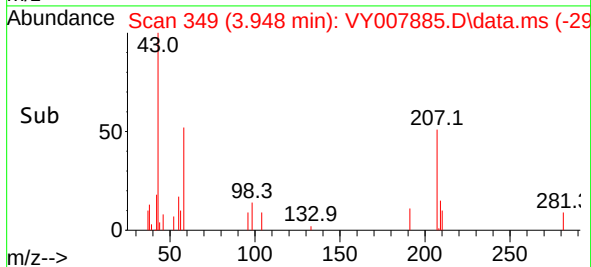
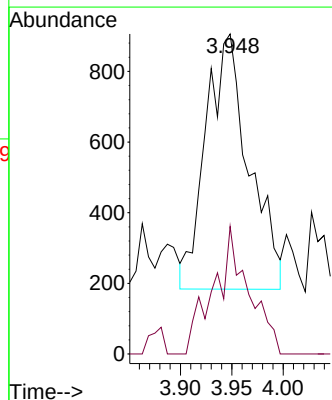
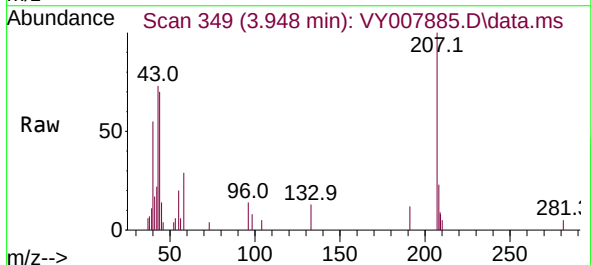
Instrument :
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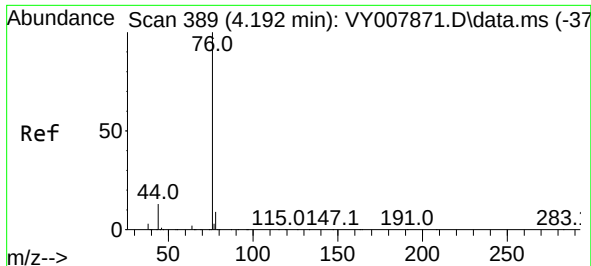
Tgt Ion: 53 Resp: 203
Ion Ratio Lower Upper
53 100
52 84.7 67.0 100.4
51 0.0 29.8 44.6#



#16
Acetone
Concen: 18.000 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
58 55.5 22.0 33.0#

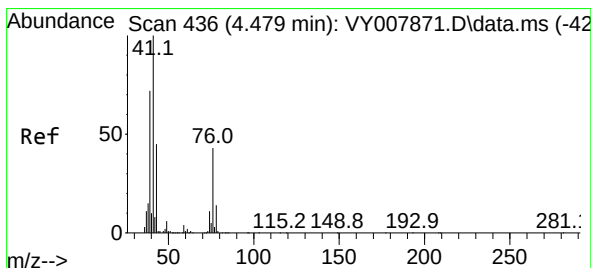
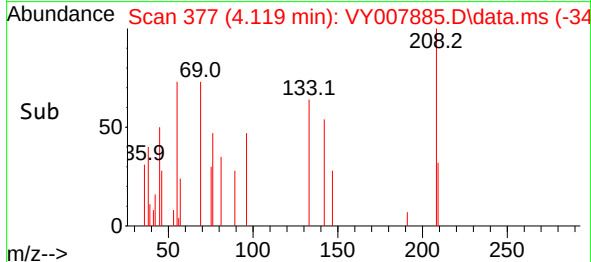
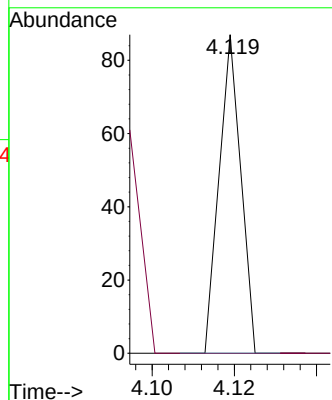
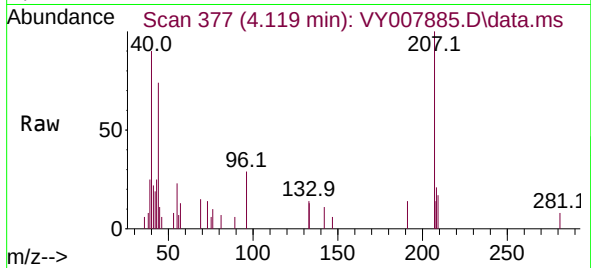




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.119 min Scan# 31
Delta R.T. -0.073 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

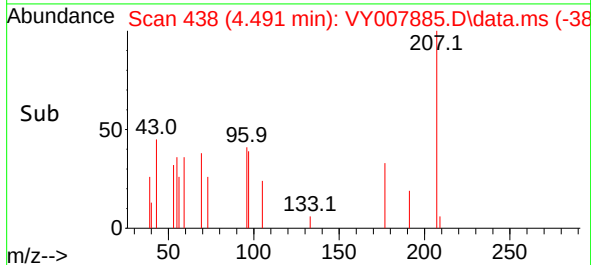
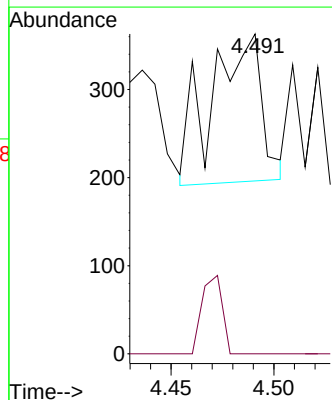
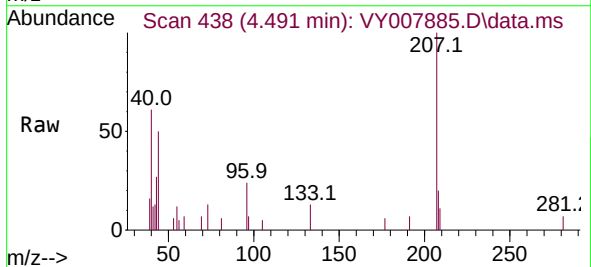
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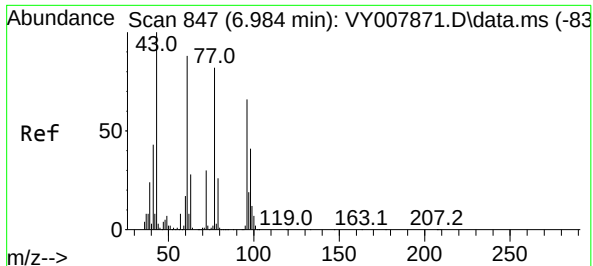
Tgt Ion: 76 Resp: 32
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.018 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8





#25

2-Butanone

Concen: 1.024 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY007885.D

Acq: 17 Mar 2022 19:26

Instrument :

MSVOA_Y

ClientSampleId :

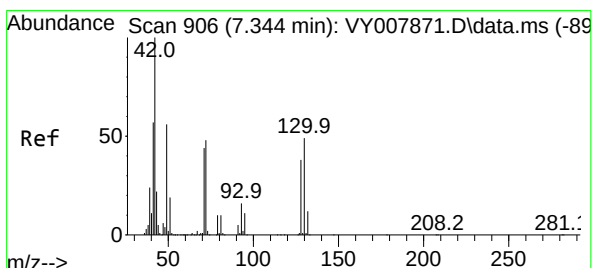
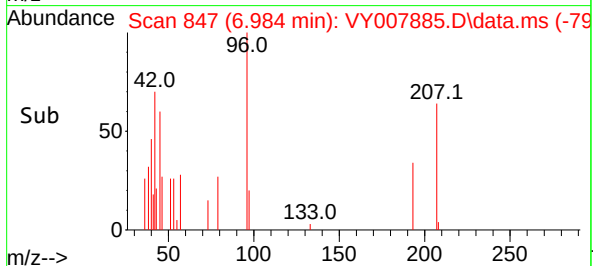
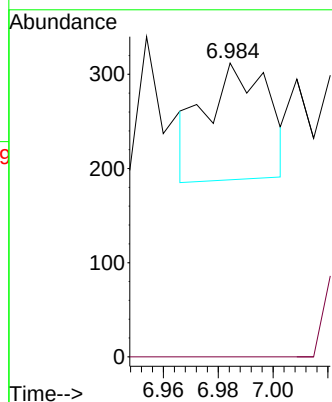
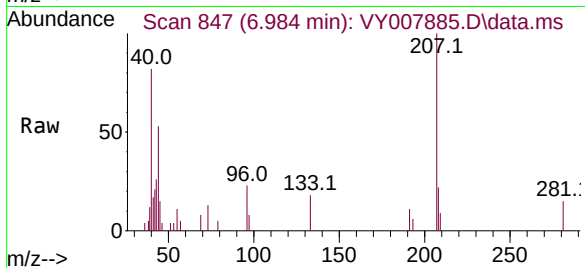
MB-B1-030922-5-6RE

Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.340 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY007885.D

Acq: 17 Mar 2022 19:26

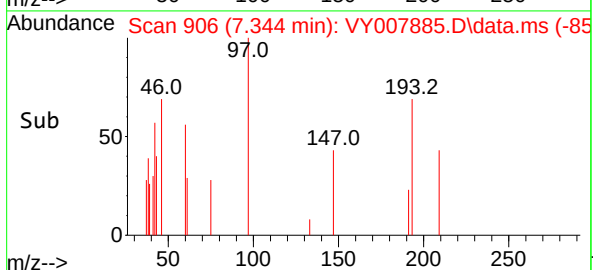
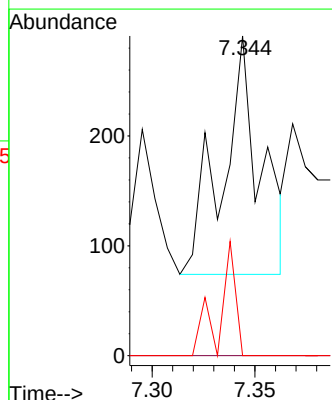
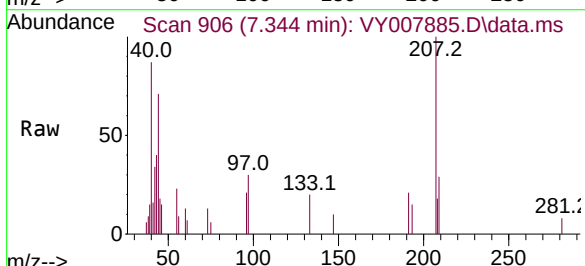
Tgt Ion: 42 Resp: 281

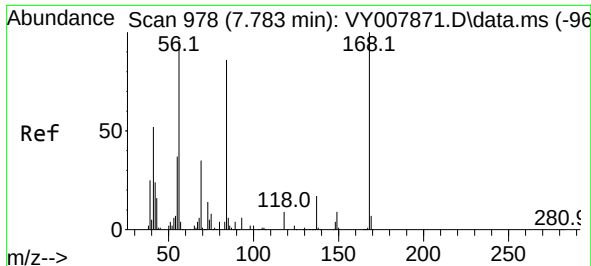
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 20.3 29.0 43.4#

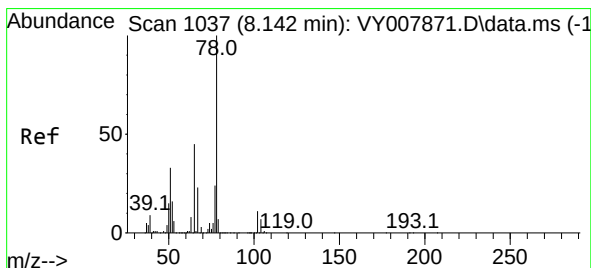
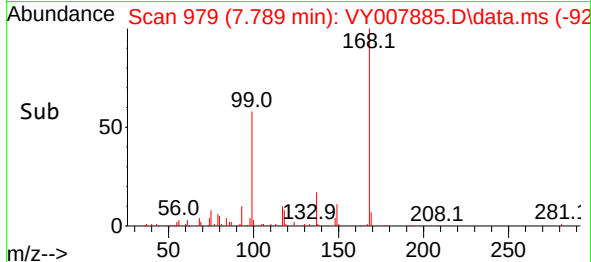
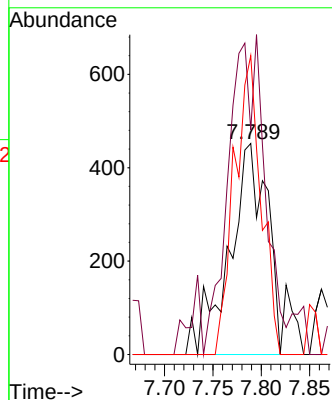
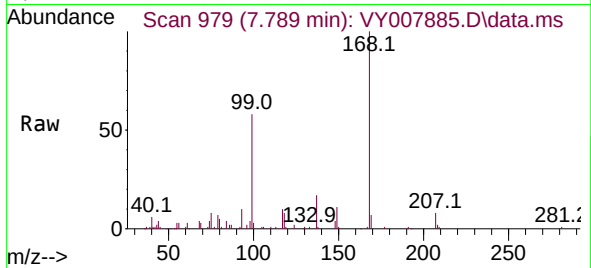




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

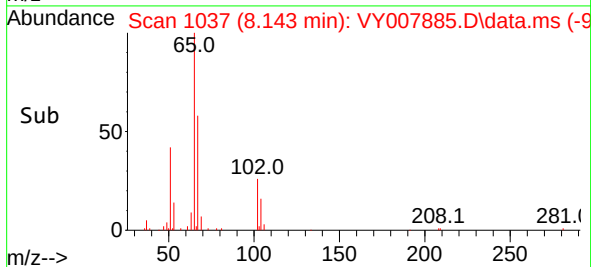
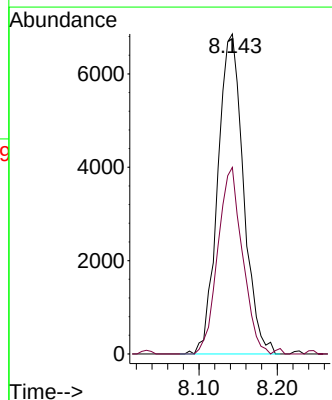
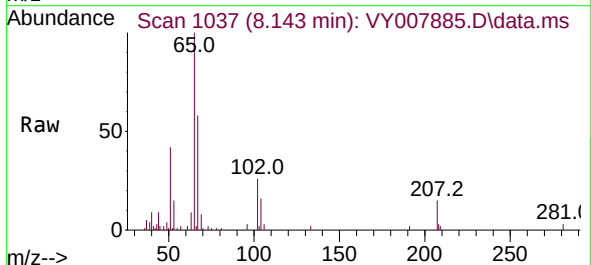
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

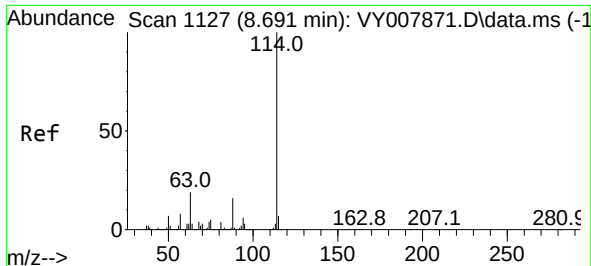
Tgt Ion: 56 Resp: 1223
Ion Ratio Lower Upper
56 100
69 90.0 26.7 40.1#
84 141.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 35.409 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 65 Resp: 15617
Ion Ratio Lower Upper
65 100
67 56.0 0.0 99.4

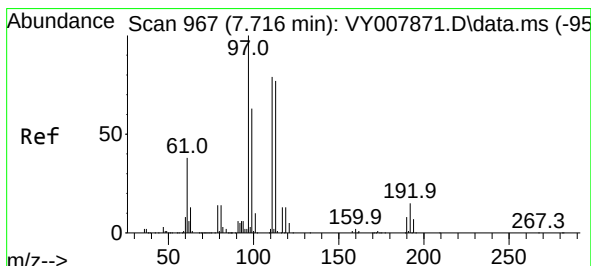
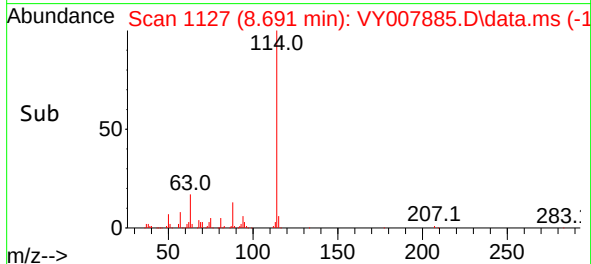
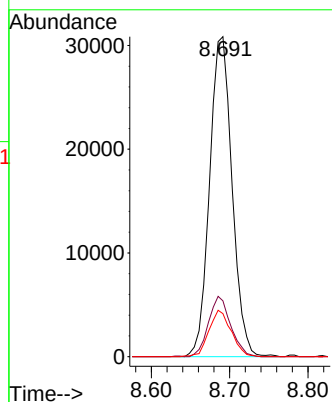
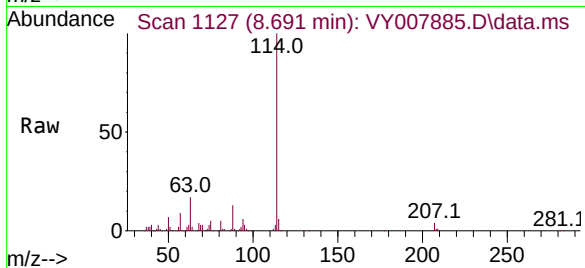




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

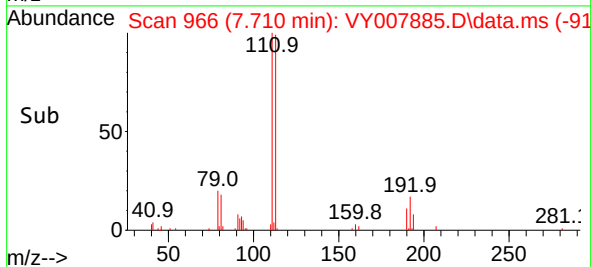
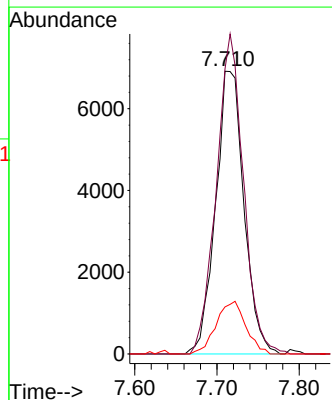
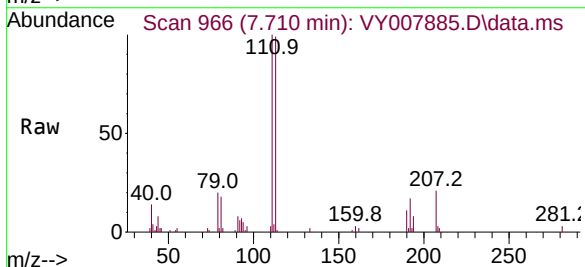
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

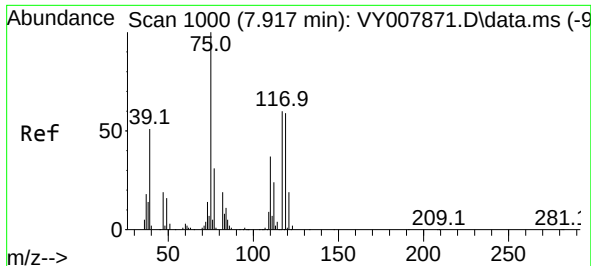
Tgt Ion:	114	Resp:	61512
Ion Ratio	Lower	Upper	
114	100		
63	17.4	0.0	43.2
88	13.4	0.0	31.8



#35
Dibromofluoromethane
Concen: 38.440 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion:	113	Resp:	16606
Ion Ratio	Lower	Upper	
113	100		
111	108.5	82.6	124.0
192	19.4	17.6	26.4

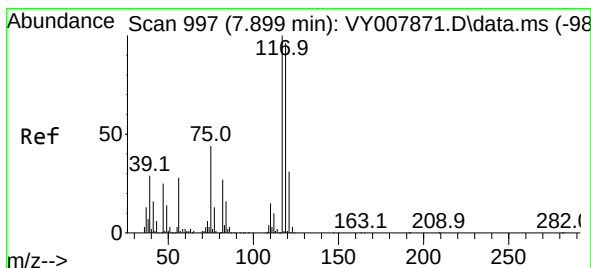
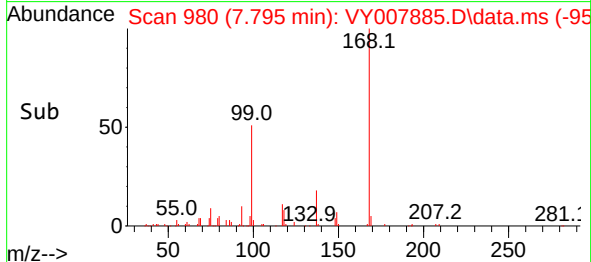
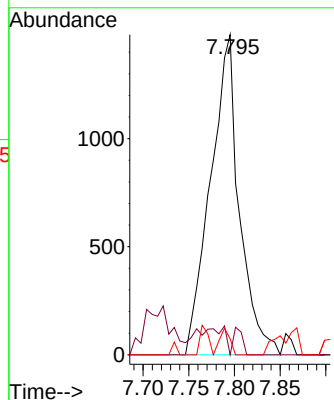
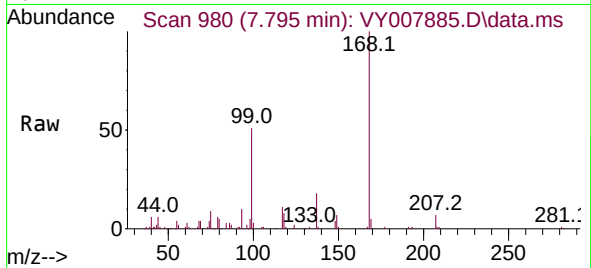




#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY007885.D
 Acq: 17 Mar 2022 19:26

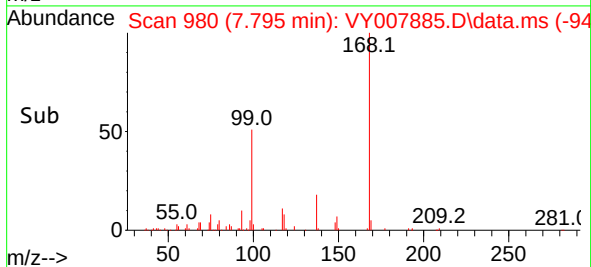
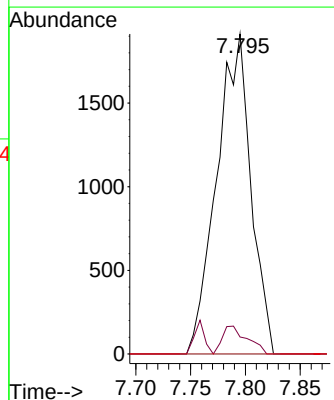
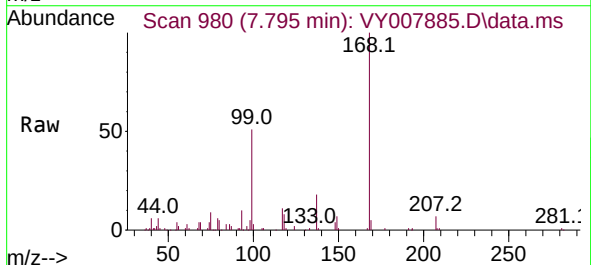
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-5-6RE

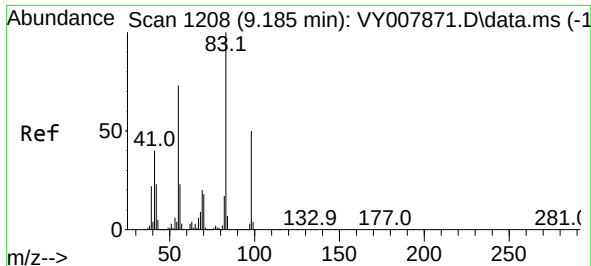
Tgt Ion: 75 Resp: 3255
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.1 51.2#
 77 2.9 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.056 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.104 min
 Lab File: VY007885.D
 Acq: 17 Mar 2022 19:26

Tgt Ion: 117 Resp: 4146
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.9 116.9#
 121 0.0 24.8 37.2#

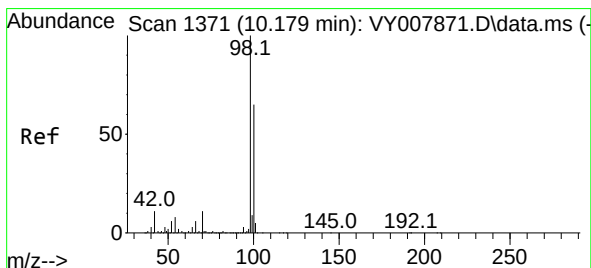
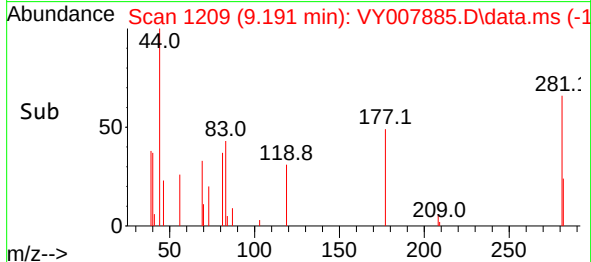
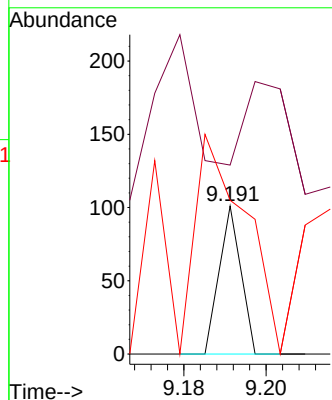
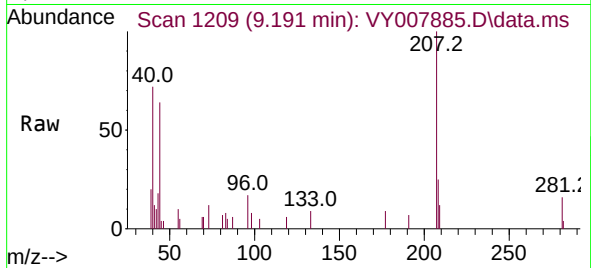




#39
Methylcyclohexane
Concen: Below Cal
RT: 9.191 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

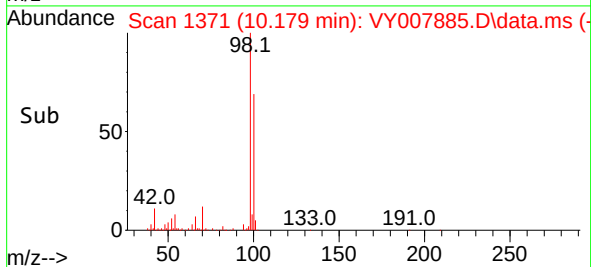
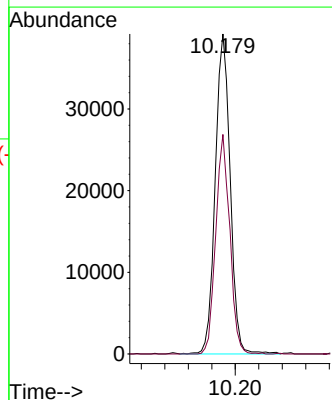
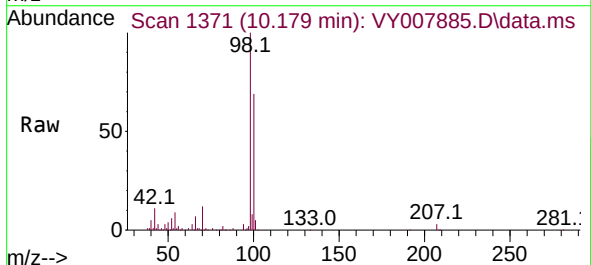
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

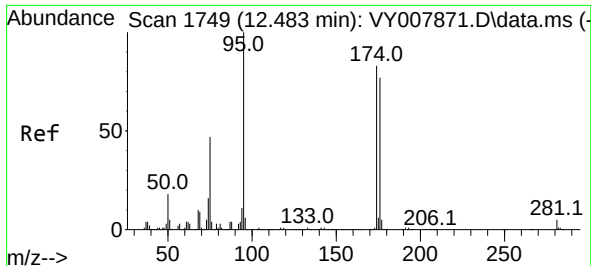
Tgt Ion: 83 Resp: 37
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 104.0 37.9 56.9#



#50
Toluene-d8
Concen: 53.331 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 98 Resp: 69035
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

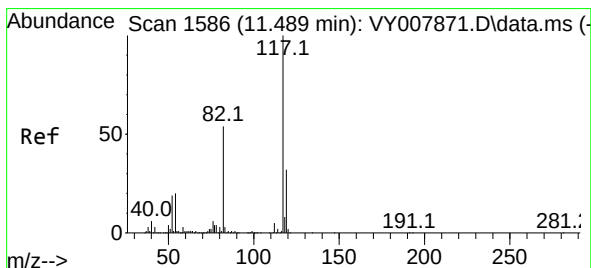
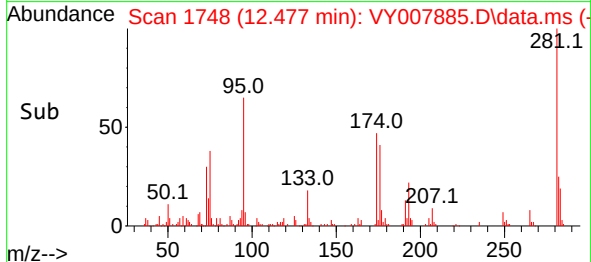
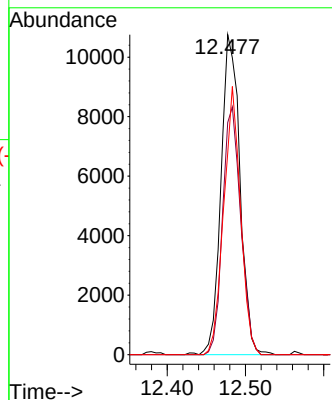
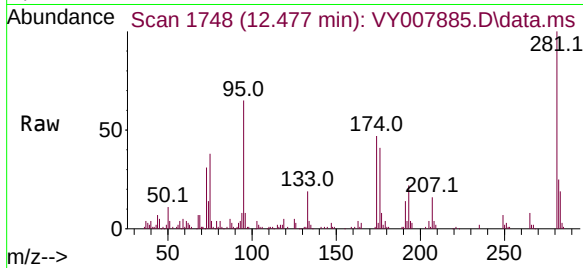




#62
4-Bromofluorobenzene
Concen: 29.178 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

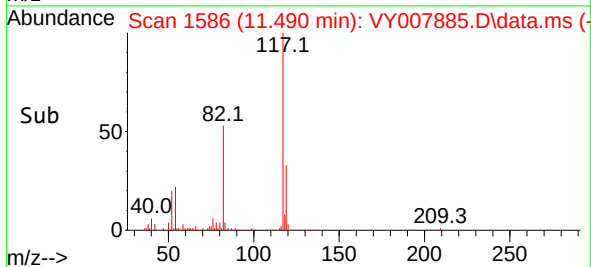
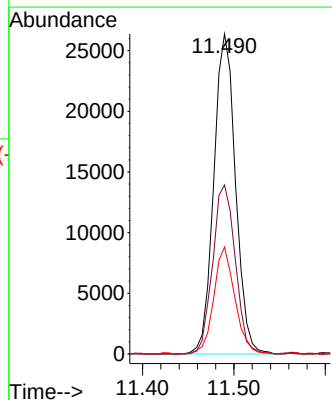
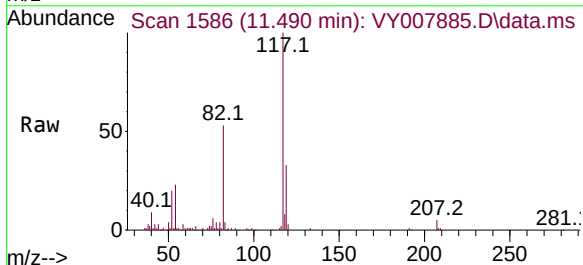
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

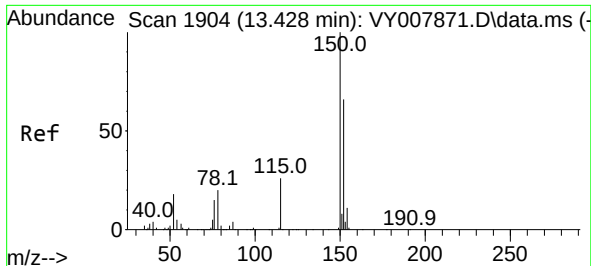
Tgt Ion: 95 Resp: 18090
Ion Ratio Lower Upper
95 100
174 74.2 0.0 177.0
176 74.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion: 117 Resp: 43565
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 33.4 25.4 38.0

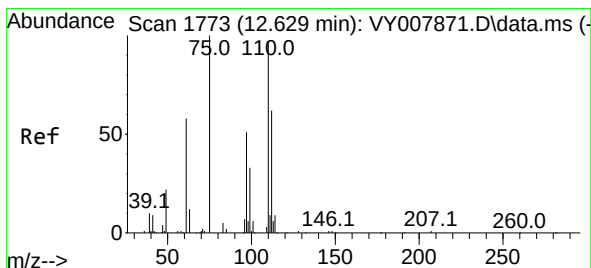
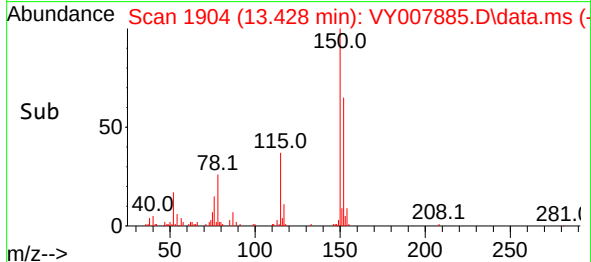
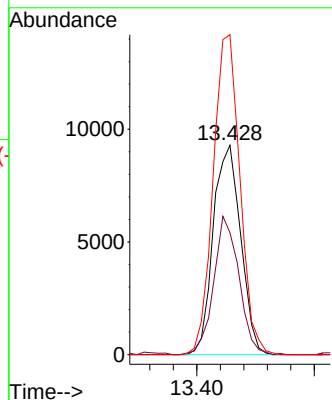
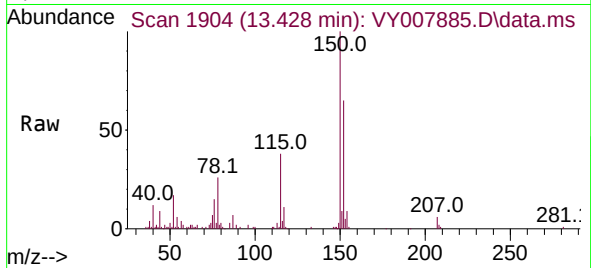




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY007885.D
 Acq: 17 Mar 2022 19:26

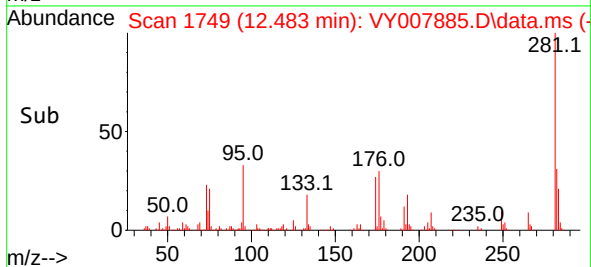
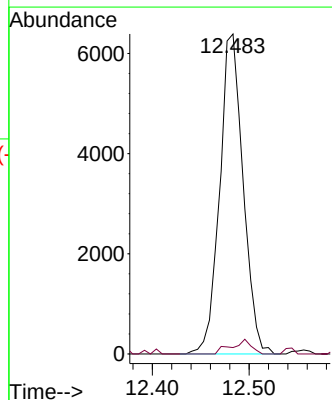
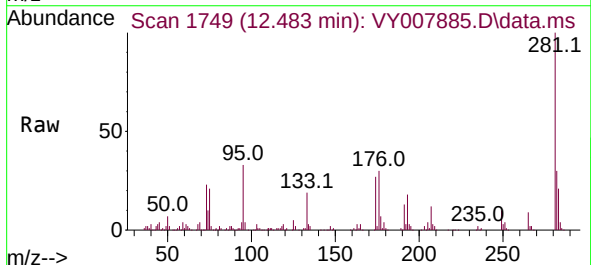
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-5-6RE

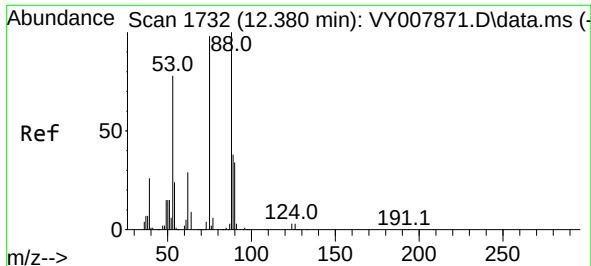
Tgt Ion:152 Resp: 15054
 Ion Ratio Lower Upper
 152 100
 115 60.9 28.2 84.7
 150 149.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.058 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007885.D
 Acq: 17 Mar 2022 19:26

Tgt Ion: 75 Resp: 10741
 Ion Ratio Lower Upper
 75 100
 77 3.8 0.0 0.0#

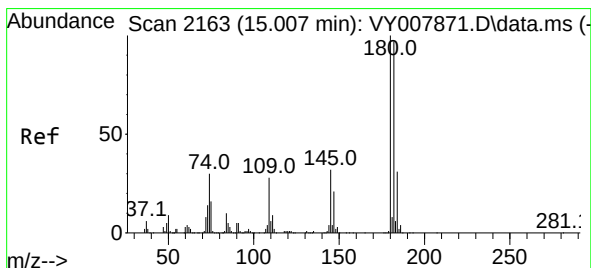
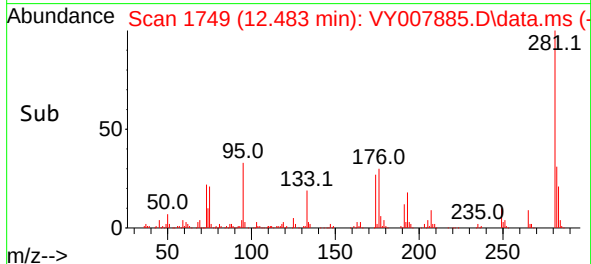
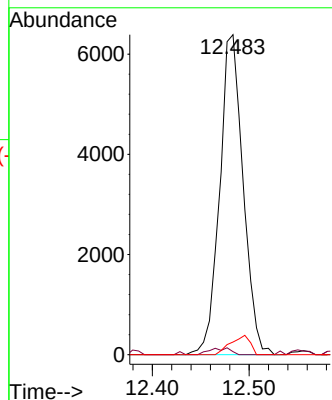
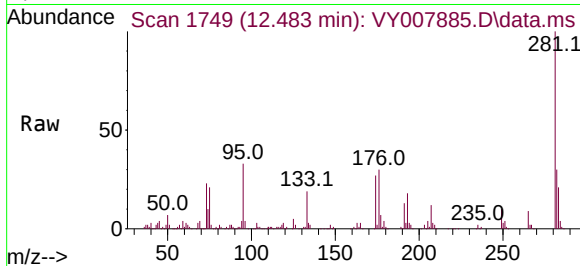




#81
trans-1,4-Dichloro-2-butene
Concen: 105.143 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

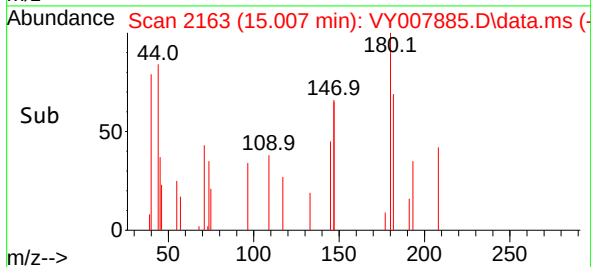
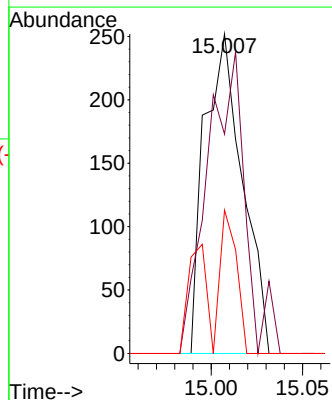
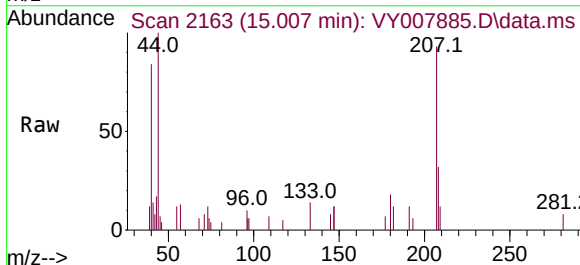
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-5-6RE

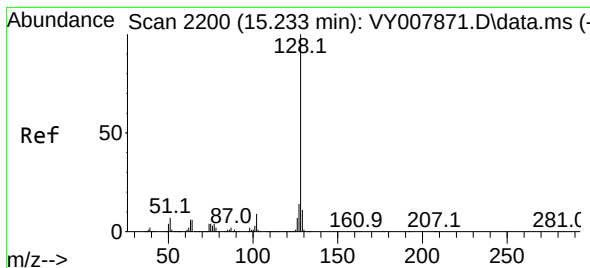
Tgt Ion: 75 Resp: 10741
Ion Ratio Lower Upper
75 100
53 1.9 85.3 127.9#
89 5.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.085 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY007885.D
Acq: 17 Mar 2022 19:26

Tgt Ion:180 Resp: 365
Ion Ratio Lower Upper
180 100
182 94.0 47.3 141.9
145 19.5 14.6 43.8





#95

Naphthalene

Concen: 1.526 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007885.D

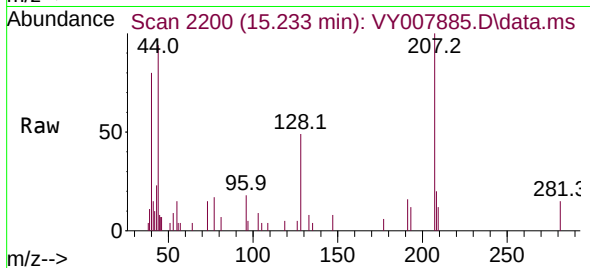
Acq: 17 Mar 2022 19:26

Instrument :

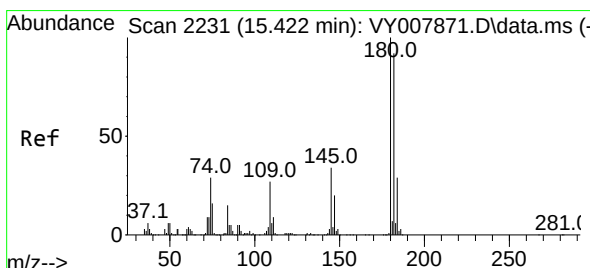
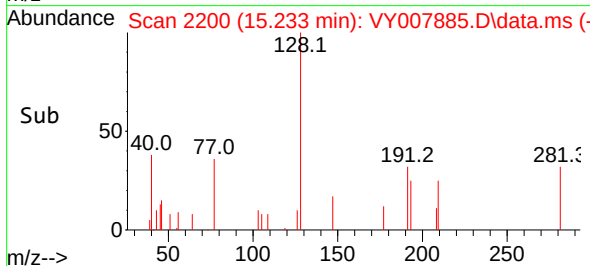
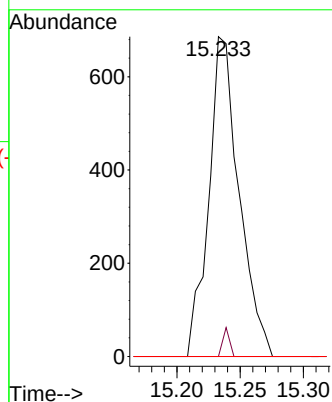
MSVOA_Y

ClientSampleId :

MB-B1-030922-5-6RE



Tgt Ion:	128	Resp:	1145
Ion Ratio	100	Lower	Upper
128	100		
127	2.0	11.0	16.4#
129	0.0	8.4	12.6#



#96

1,2,3-Trichlorobenzene

Concen: 1.022 ug/l

RT: 15.416 min Scan# 2230

Delta R.T. -0.012 min

Lab File: VY007885.D

Acq: 17 Mar 2022 19:26

Tgt Ion:	180	Resp:	303
Ion Ratio	100	Lower	Upper
180	100		
182	127.7	47.3	141.9
145	15.2	15.3	45.9#

