

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007889.D
 Acq On : 17 Mar 2022 21:00
 Operator : SY/MD
 Sample : N1875-09
 Misc : 7.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10B

Quant Time: Mar 18 08:58:15 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)

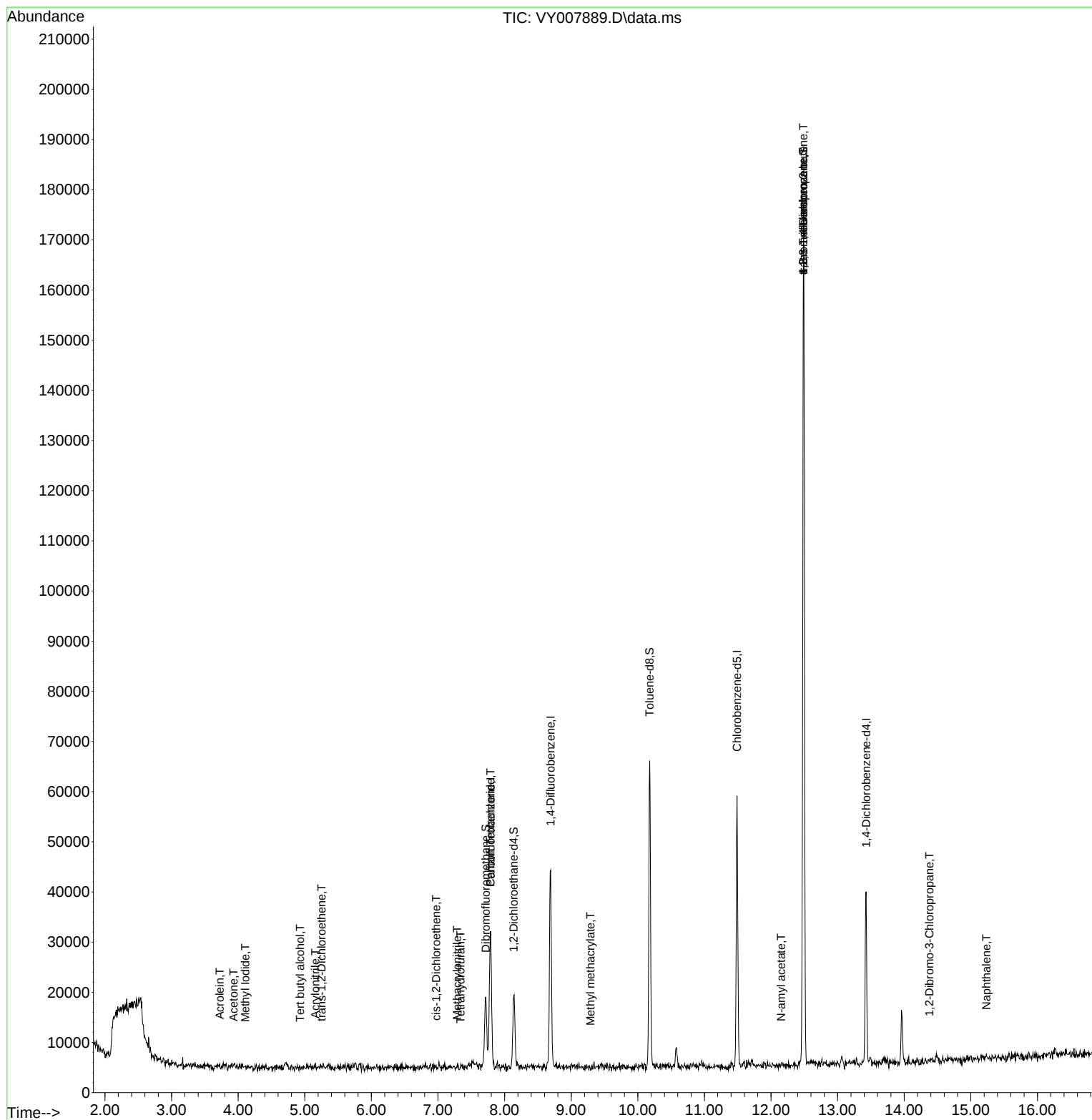
Internal Standards						
1) Pentafluorobenzene	7.789	168	20828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	35286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	29078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11054	46.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.100%
35) Dibromofluoromethane	7.715	113	10063	40.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.220%
50) Toluene-d8	10.178	98	41672	56.456	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.920%
62) 4-Bromofluorobenzene	12.483	95	11874	33.386	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.851	85	42	Below Cal	#	43
3) Chloromethane	2.113	50	880	Below Cal	#	87
4) Vinyl Chloride	2.271	62	341	Below Cal	#	43
5) Bromomethane	2.655	94	521	Below Cal	#	18
10) Methyl Iodide	4.106	142	664	2.912	ug/l #	66
11) Tert butyl alcohol	4.929	59	49	1.771	ug/l #	1
13) Acrolein	3.722	56	91	5.461	ug/l #	14
15) Acrylonitrile	5.161	53	79	1.046	ug/l #	57
16) Acetone	3.930	43	732	11.619	ug/l #	62
18) Methyl Acetate	4.466	43	130	Below Cal	#	62
20) Methylene Chloride	4.710	84	892	Below Cal	#	90
21) trans-1,2-Dichloroethene	5.252	96	552	2.180	ug/l #	1
27) cis-1,2-Dichloroethene	6.972	96	325	1.069	ug/l	1
29) Tetrahydrofuran	7.337	42	169	2.614	ug/l #	50
31) Cyclohexane	7.789	56	852	Below Cal	#	38
38) Carbon Tetrachloride	7.789	117	2268	5.775	ug/l #	17
41) Methacrylonitrile	7.289	41	161	1.164	ug/l #	54
48) Methyl methacrylate	9.288	41	281	1.461	ug/l #	60
74) N-amyl acetate	12.154	43	329	1.476	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	7552	61.746	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7552	129.691	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.379	75	118	4.219	ug/l #	6
95) Naphthalene	15.232	128	545	1.274	ug/l #	81

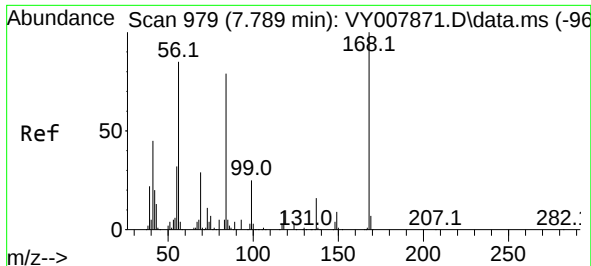
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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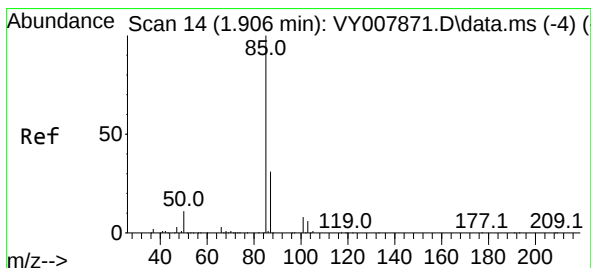
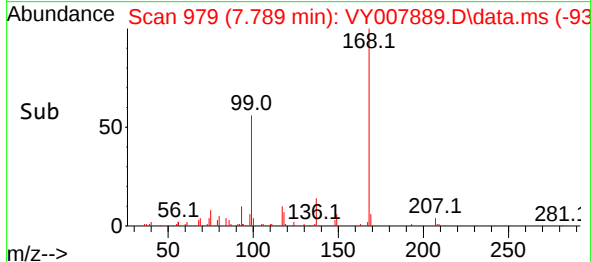
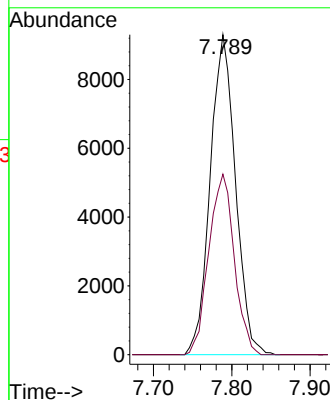
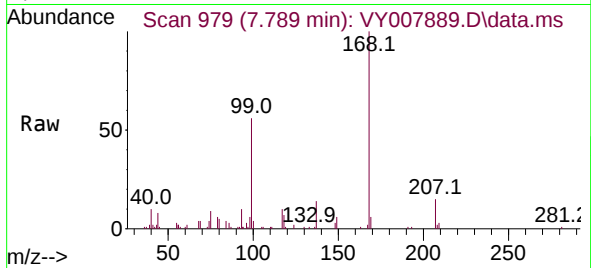




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

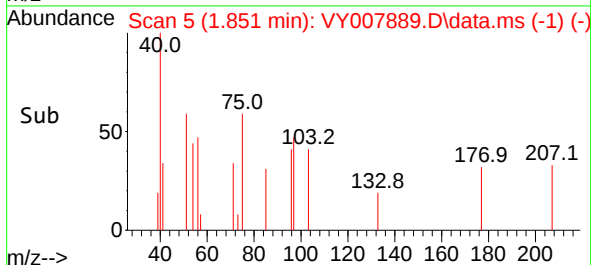
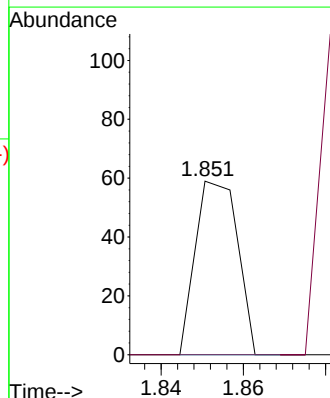
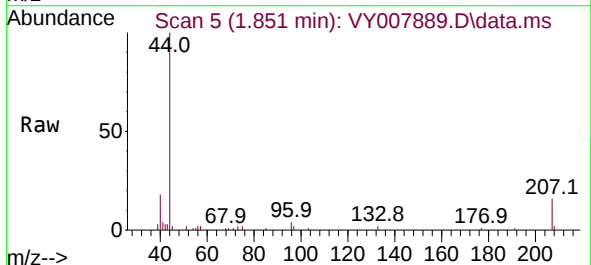
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

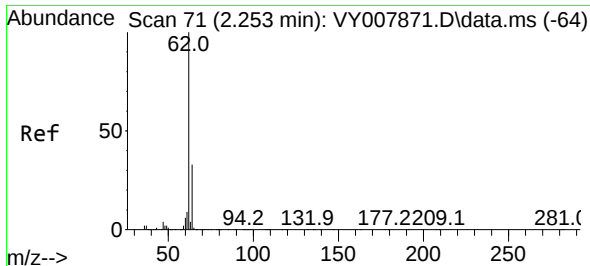
Tgt Ion:168 Resp: 20828
Ion Ratio Lower Upper
168 100
99 56.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.851 min Scan# 5
Delta R.T. -0.055 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 85 Resp: 42
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

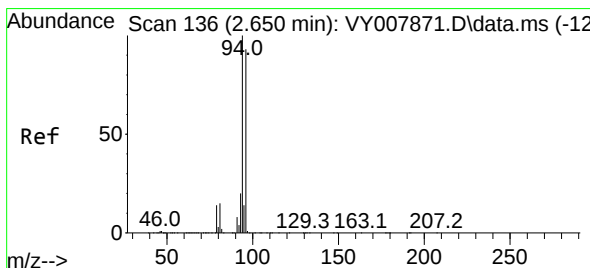
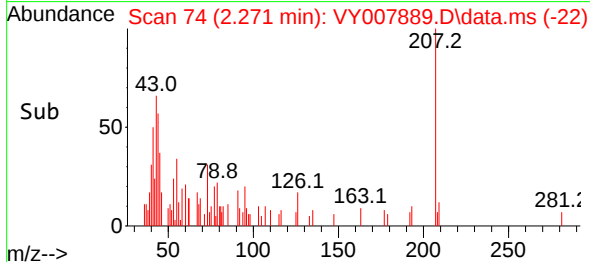
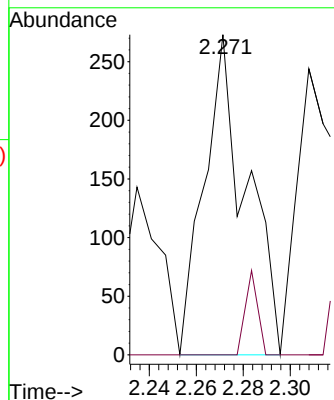
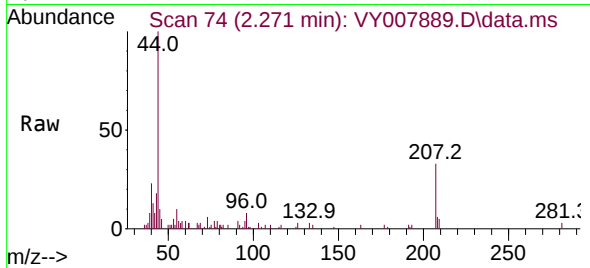




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.271 min Scan# 74
 Delta R.T. 0.018 min
 Lab File: VY007889.D
 Acq: 17 Mar 2022 21:00

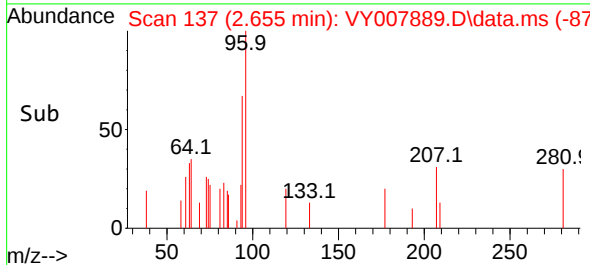
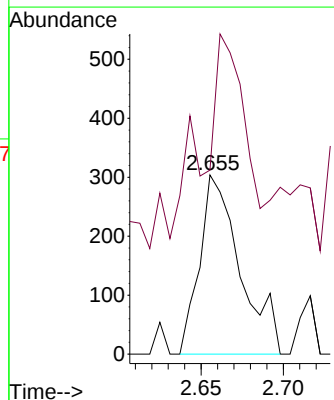
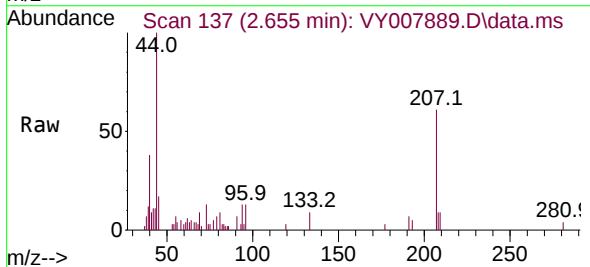
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10B

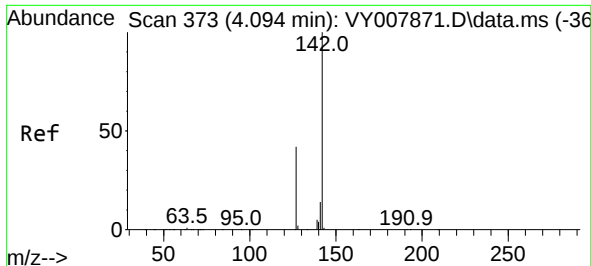
Tgt Ion: 62 Resp: 341
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.655 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY007889.D
 Acq: 17 Mar 2022 21:00

Tgt Ion: 94 Resp: 521
 Ion Ratio Lower Upper
 94 100
 96 14.1 73.5 110.3#

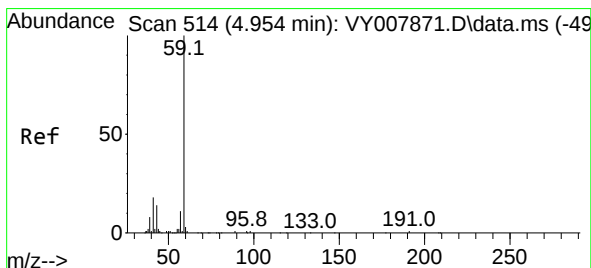
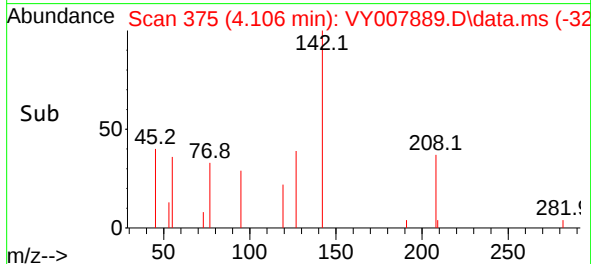
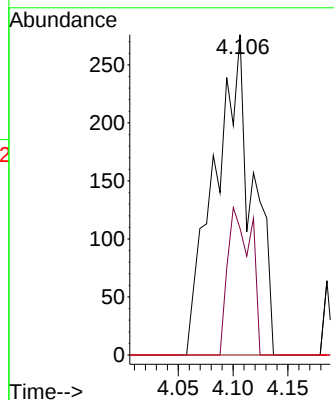
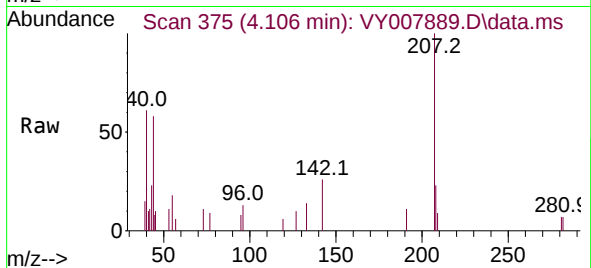




#10
Methyl Iodide
Concen: 2.912 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

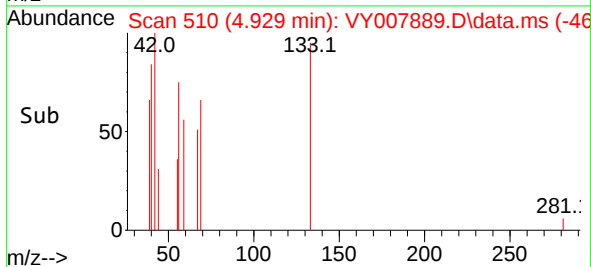
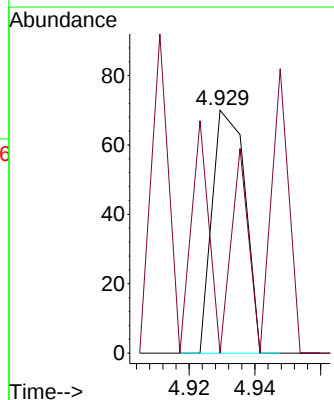
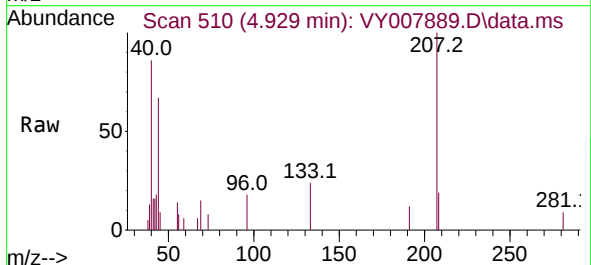
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

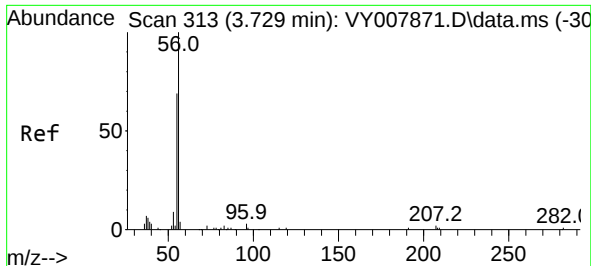
Tgt Ion:142 Resp: 664
Ion Ratio Lower Upper
142 100
127 28.3 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 1.771 ug/l
RT: 4.929 min Scan# 510
Delta R.T. -0.025 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 44.9 6.4 9.6#

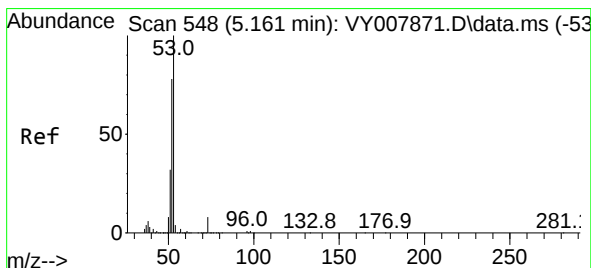
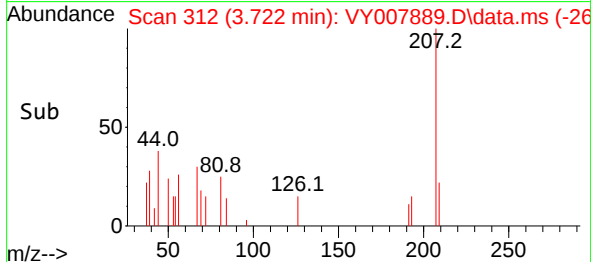
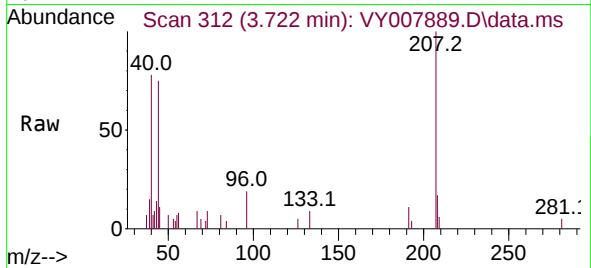




#13
Acrolein
Concen: 5.461 ug/l
RT: 3.722 min Scan# 313
Delta R.T. -0.007 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

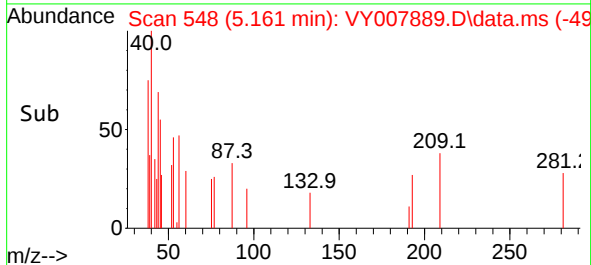
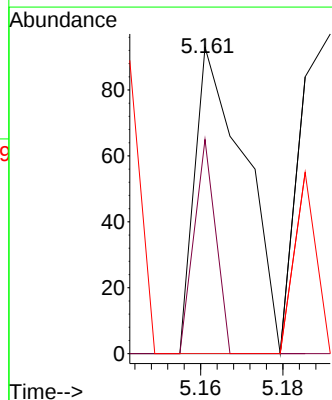
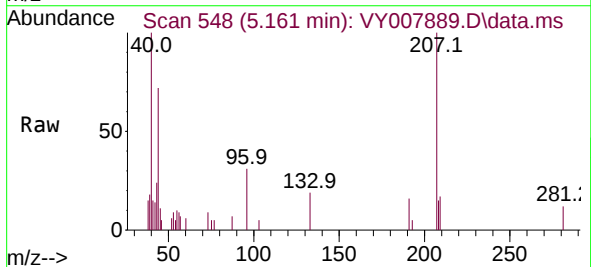
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

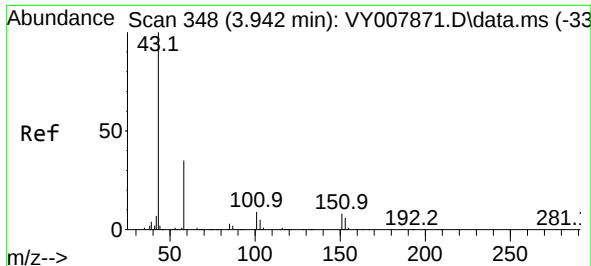
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#15
Acrylonitrile
Concen: 1.046 ug/l
RT: 5.161 min Scan# 548
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 30.4 67.0 100.4#
51 41.8 29.8 44.6

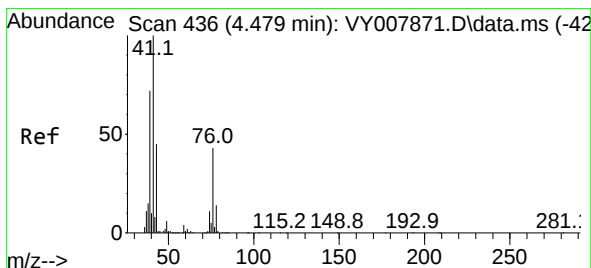
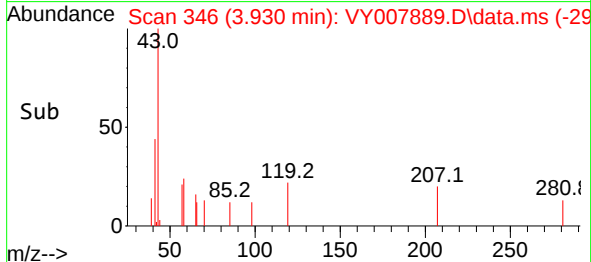
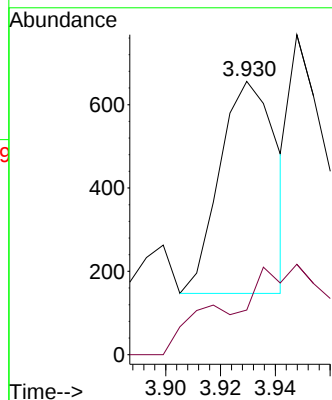
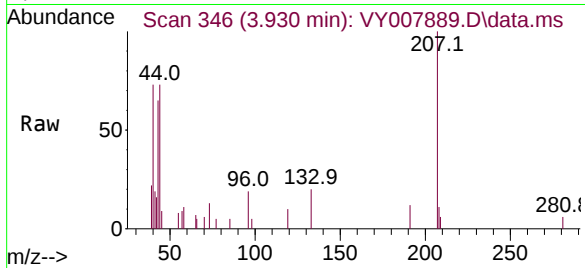




#16
Acetone
Concen: 11.619 ug/l
RT: 3.930 min Scan# 348
Delta R.T. -0.013 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

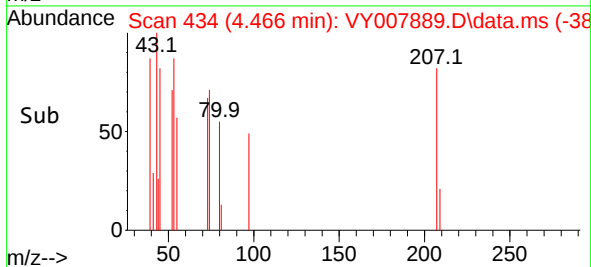
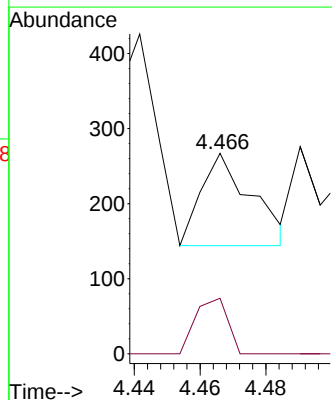
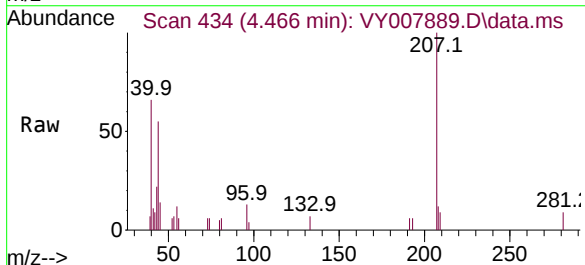
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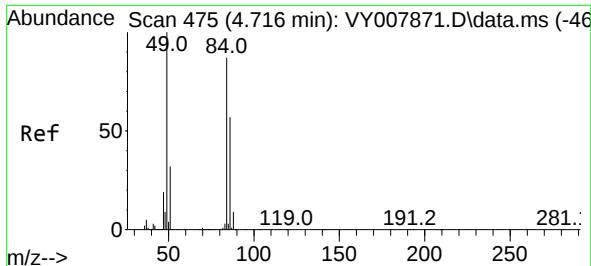
Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 7.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
74 38.5 16.6 24.8#

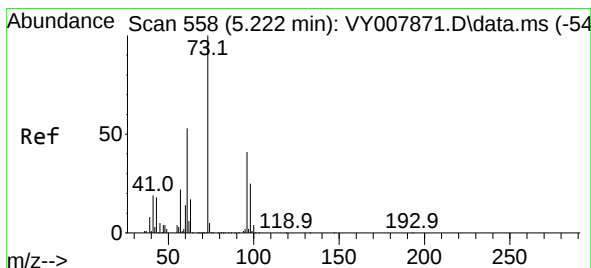
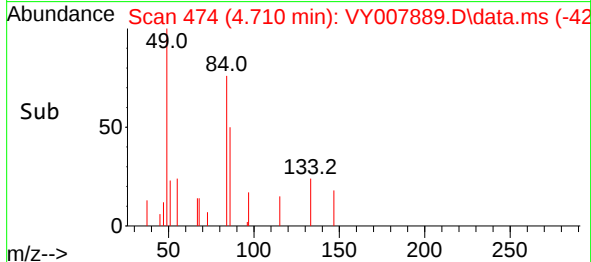
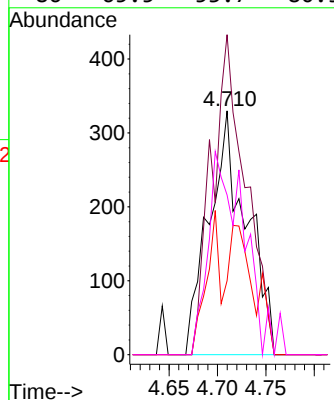
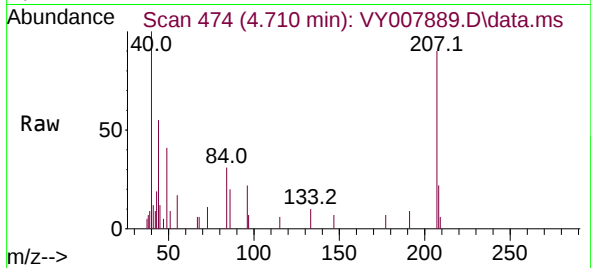




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

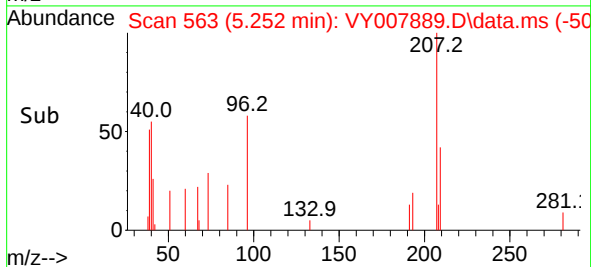
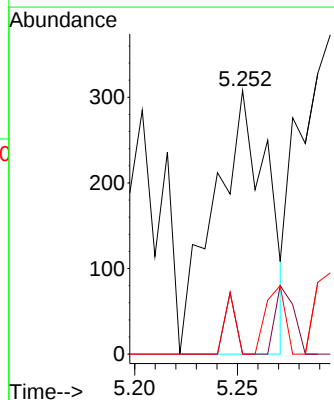
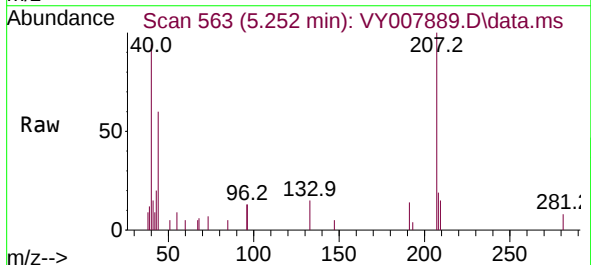
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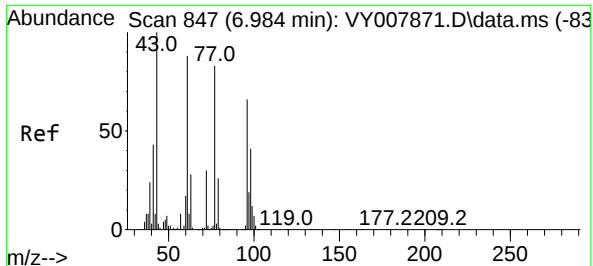
Tgt Ion: 84 Resp: 892
Ion Ratio Lower Upper
84 100
49 131.2 114.4 171.6
51 30.3 35.3 52.9#
86 65.5 53.7 80.5



#21
trans-1,2-Dichloroethene
Concen: 2.180 ug/l
RT: 5.252 min Scan# 563
Delta R.T. 0.030 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 96 Resp: 552
Ion Ratio Lower Upper
96 100
61 0.0 120.5 180.7#
98 0.0 49.8 74.8#

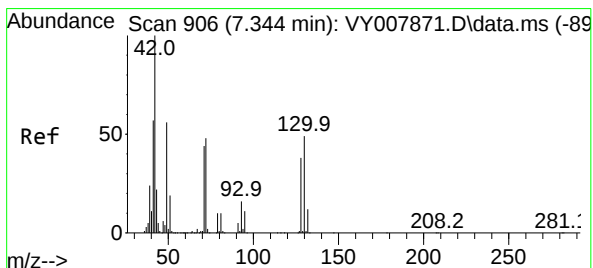
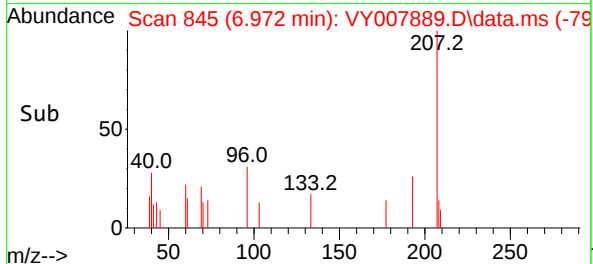
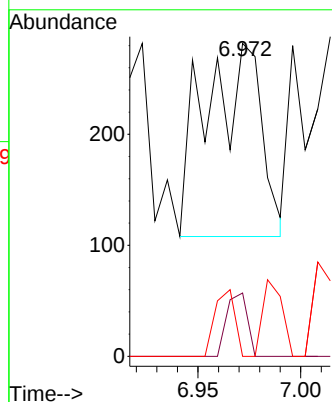
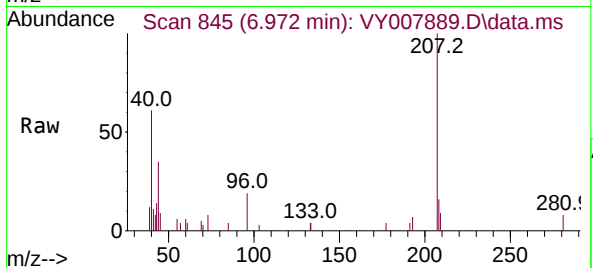




#27
 cis-1,2-Dichloroethene
 Concen: 1.069 ug/l
 RT: 6.972 min Scan# 84
 Delta R.T. -0.013 min
 Lab File: VY007889.D
 Acq: 17 Mar 2022 21:00

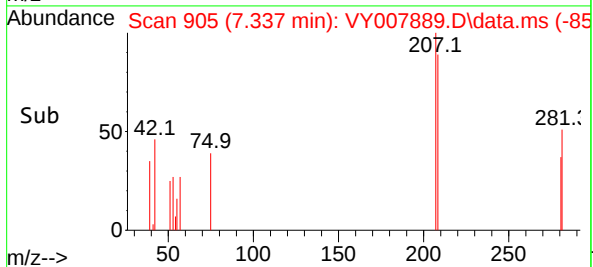
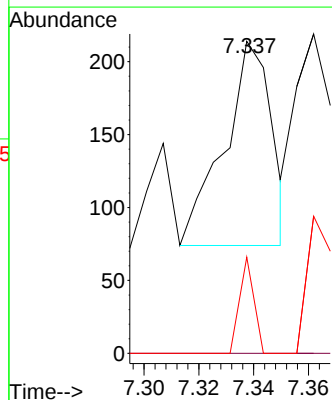
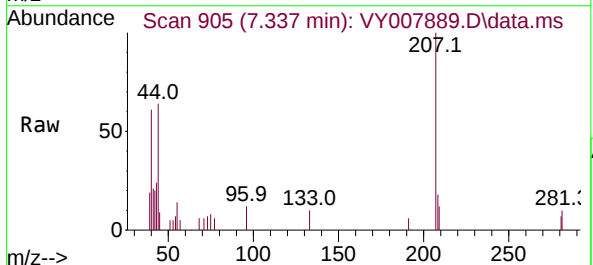
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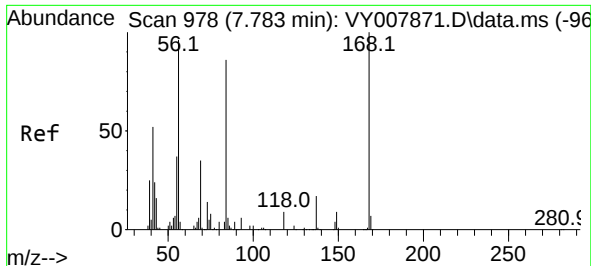
Tgt Ion: 96 Resp: 325
 Ion Ratio Lower Upper
 96 100
 61 12.3 0.0 319.8
 98 12.3 0.0 127.0



#29
 Tetrahydrofuran
 Concen: 2.614 ug/l
 RT: 7.337 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY007889.D
 Acq: 17 Mar 2022 21:00

Tgt Ion: 42 Resp: 169
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.3 45.5#
 71 14.2 29.0 43.4#

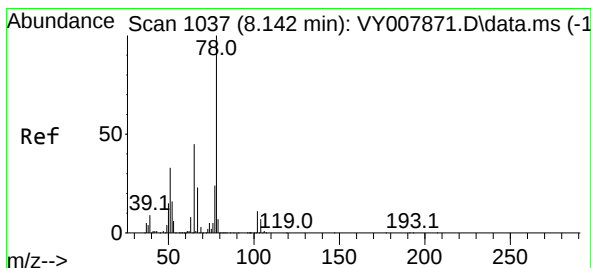
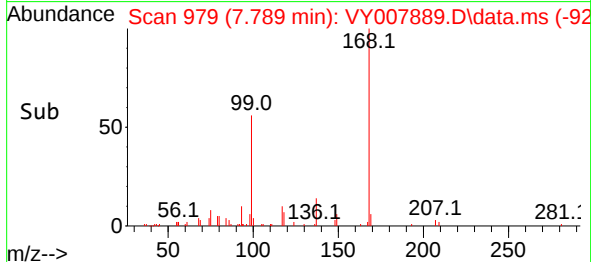
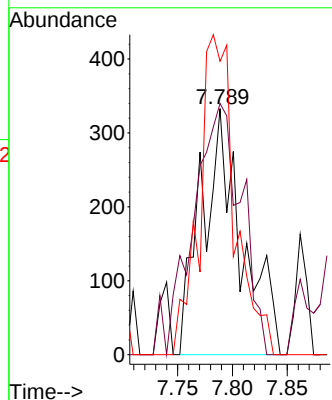
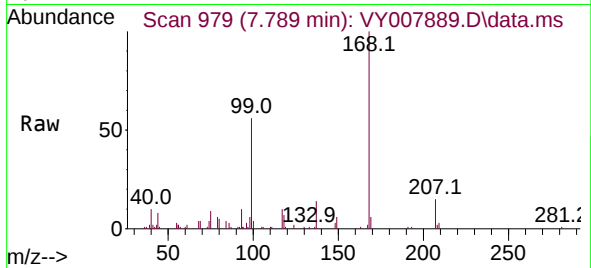




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

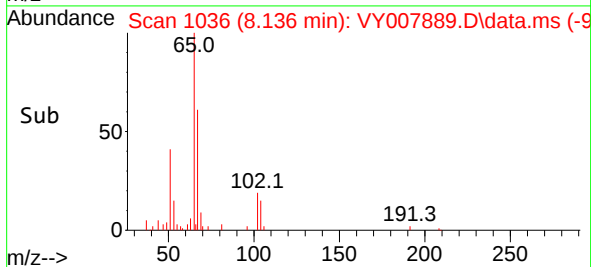
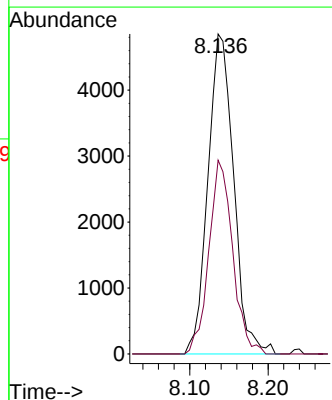
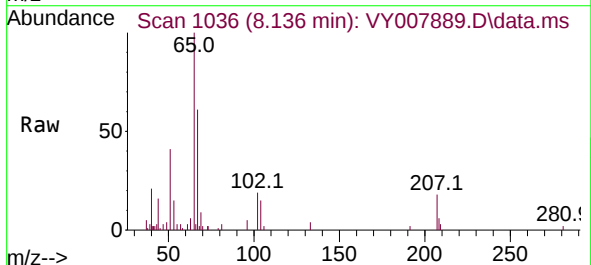
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

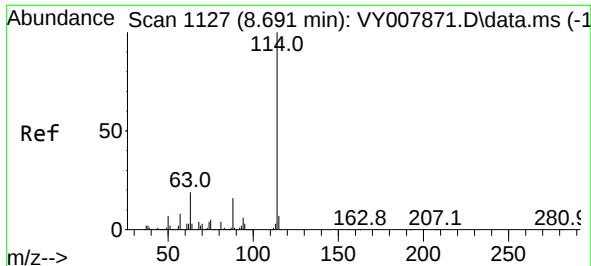
Tgt Ion: 56 Resp: 852
Ion Ratio Lower Upper
56 100
69 102.1 26.7 40.1#
84 119.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.547 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 65 Resp: 11054
Ion Ratio Lower Upper
65 100
67 56.1 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: VY007889.D

Acq: 17 Mar 2022 21:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-10B

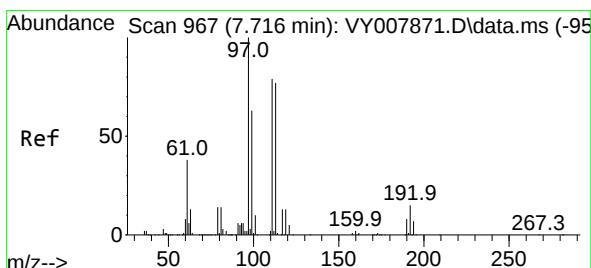
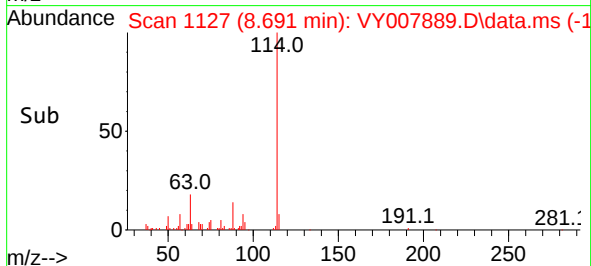
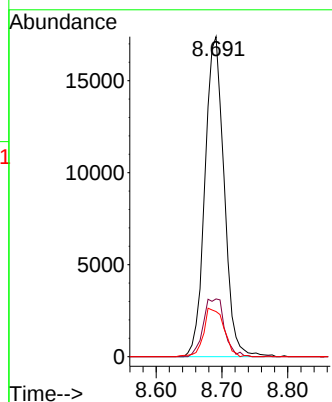
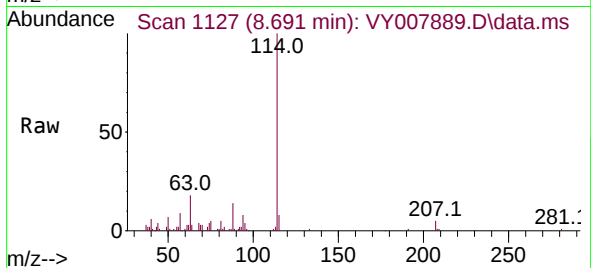
Tgt Ion:114 Resp: 35286

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.608 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007889.D

Acq: 17 Mar 2022 21:00

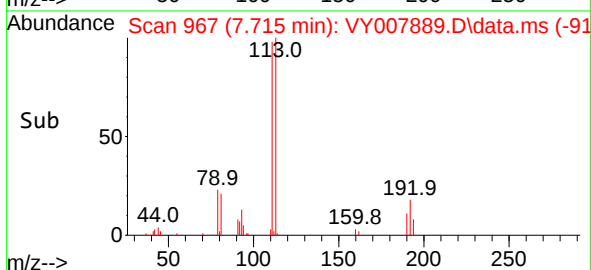
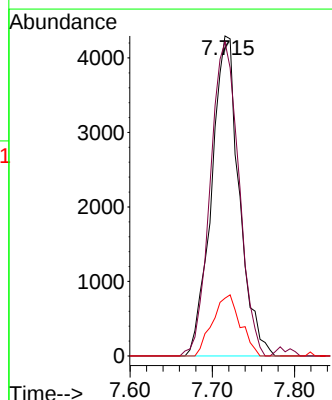
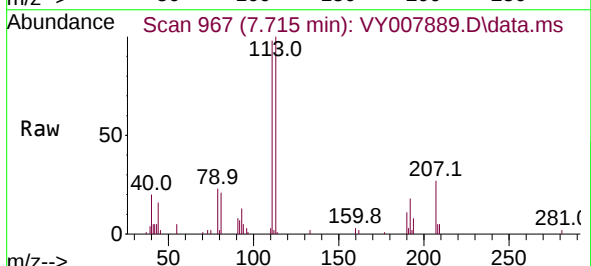
Tgt Ion:113 Resp: 10063

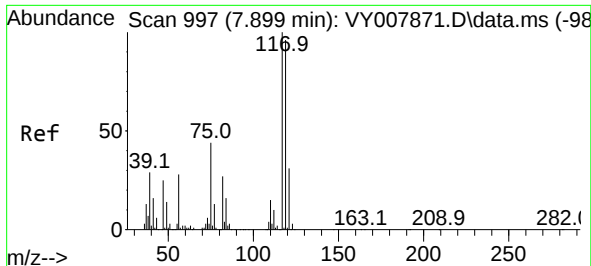
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 19.2 17.6 26.4

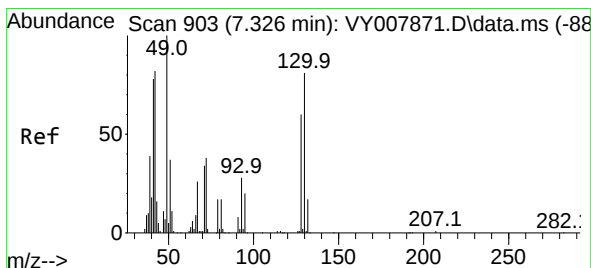
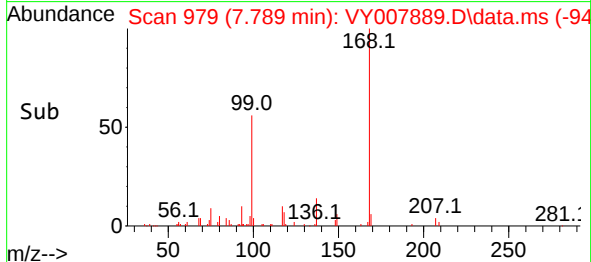
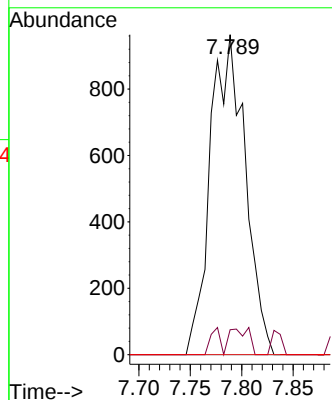
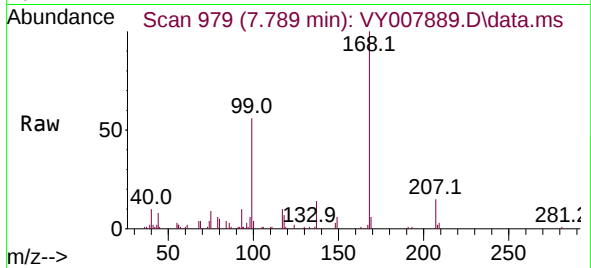




#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

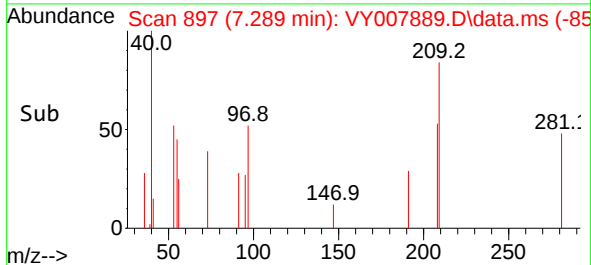
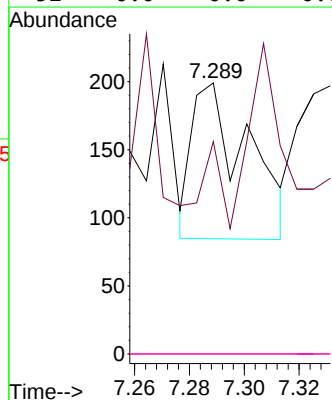
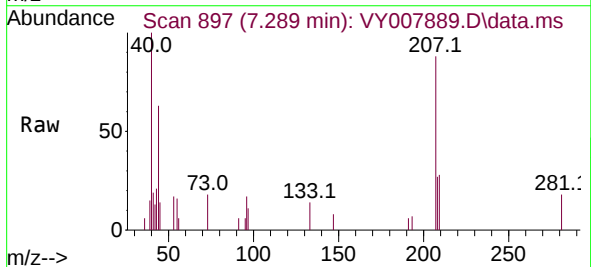
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

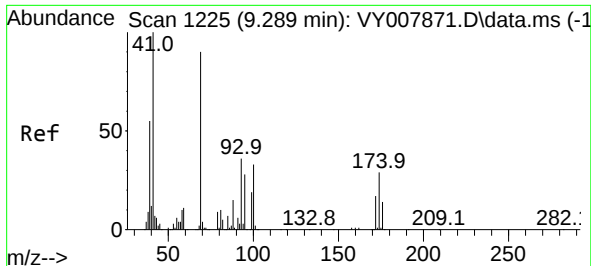
Tgt Ion:117 Resp: 2268
Ion Ratio Lower Upper
117 100
119 7.8 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.164 ug/l
RT: 7.289 min Scan# 897
Delta R.T. -0.019 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
39 65.8 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

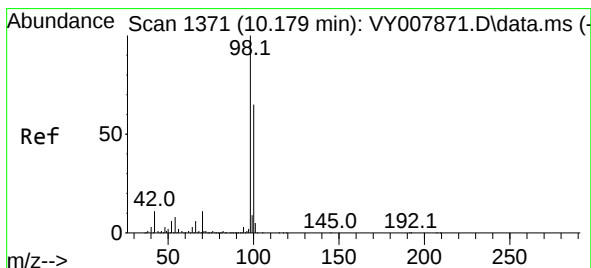
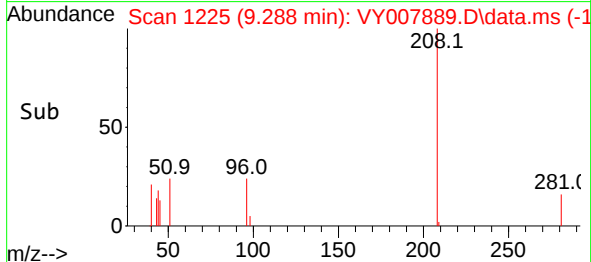
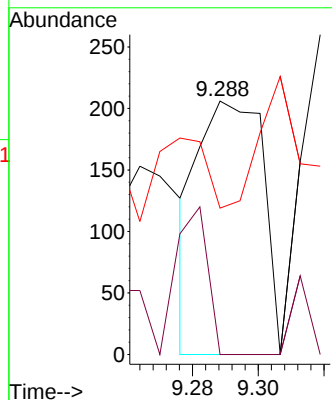
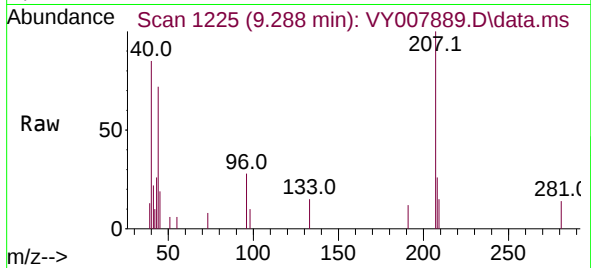




#48
Methyl methacrylate
Concen: 1.461 ug/l
RT: 9.288 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

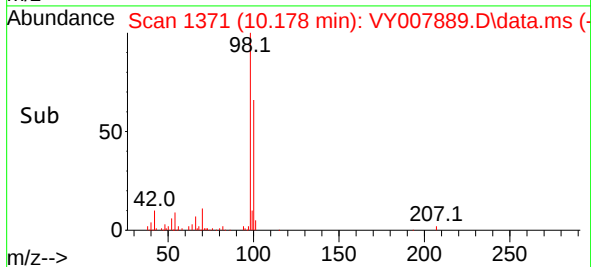
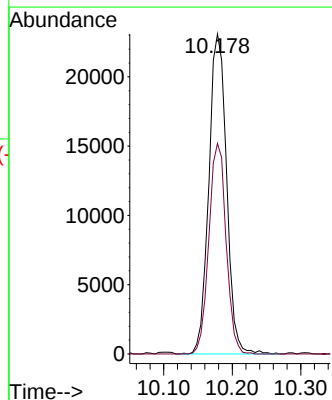
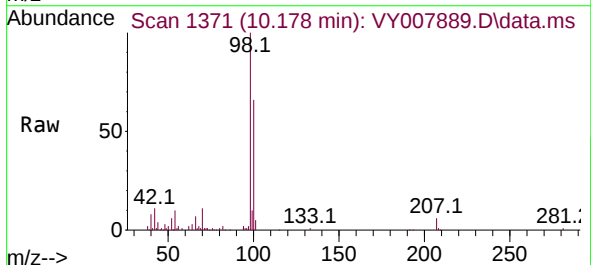
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

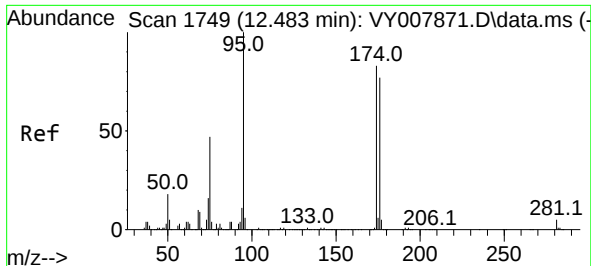
Tgt Ion: 41 Resp: 281
Ion Ratio Lower Upper
41 100
69 42.0 58.2 87.2#
39 26.3 47.4 71.0#



#50
Toluene-d8
Concen: 56.456 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 98 Resp: 41672
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

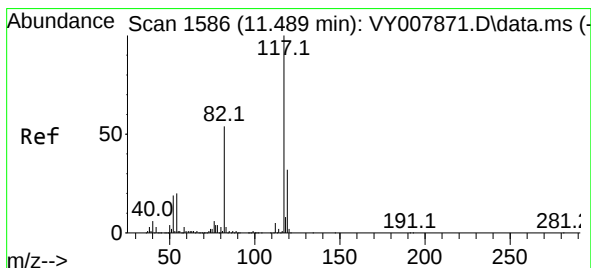
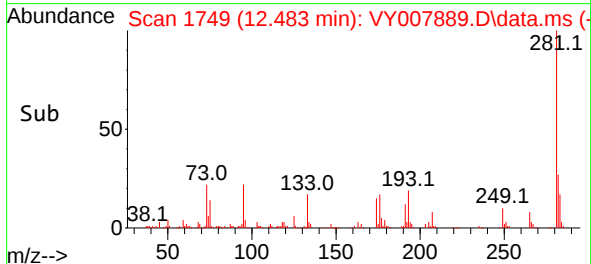
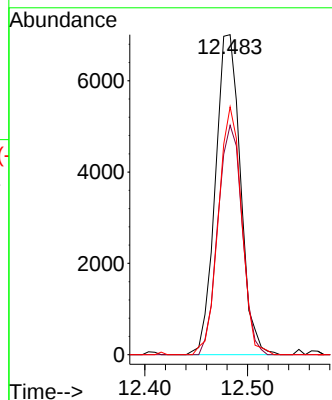
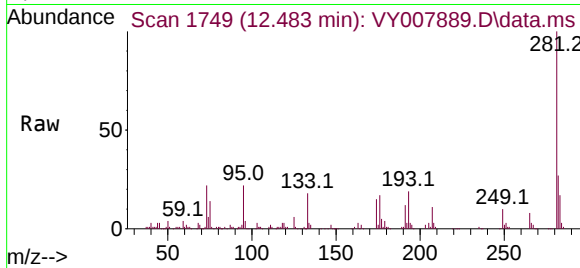




#62
4-Bromofluorobenzene
Concen: 33.386 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

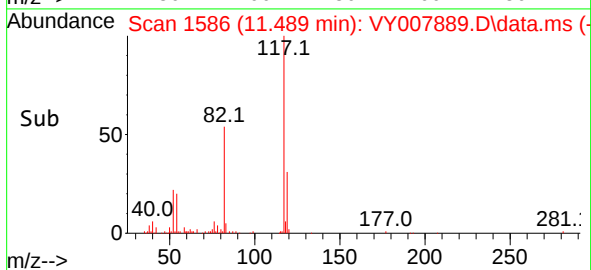
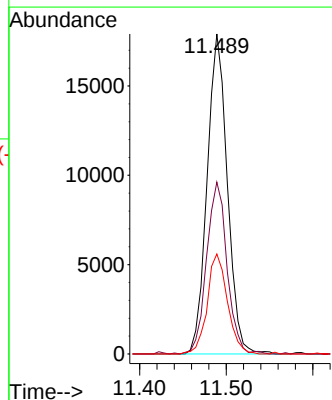
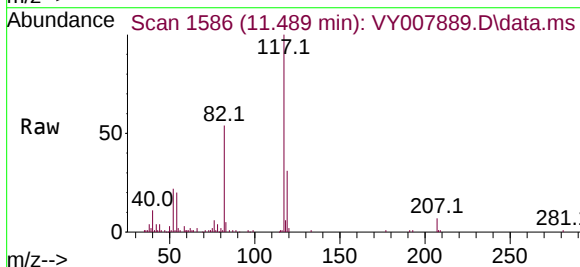
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

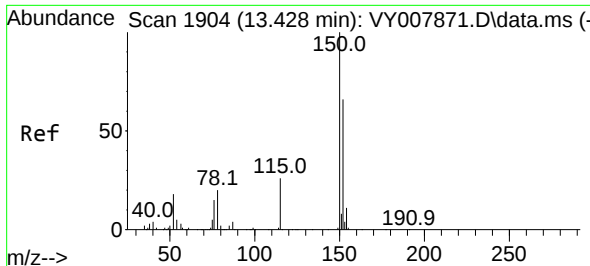
Tgt Ion: 95 Resp: 11874
Ion Ratio Lower Upper
95 100
174 69.2 0.0 177.0
176 71.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 117 Resp: 29078
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.3 25.4 38.0

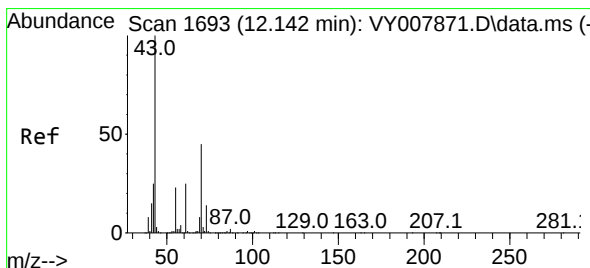
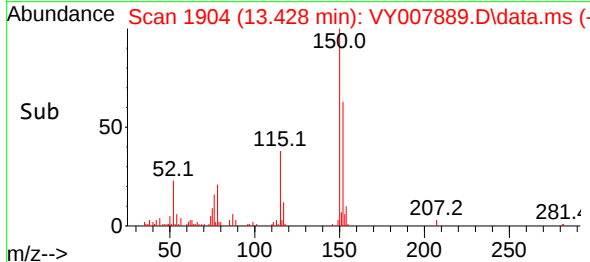
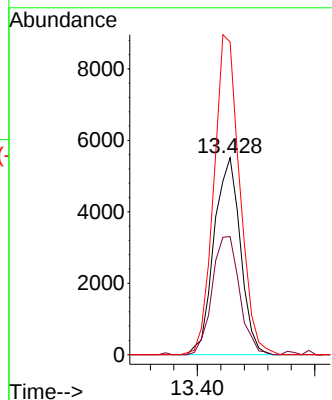
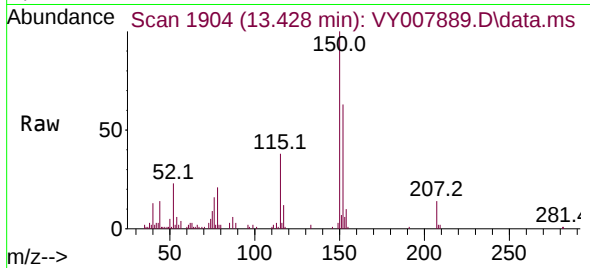




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

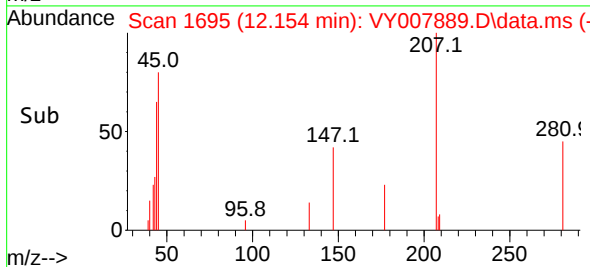
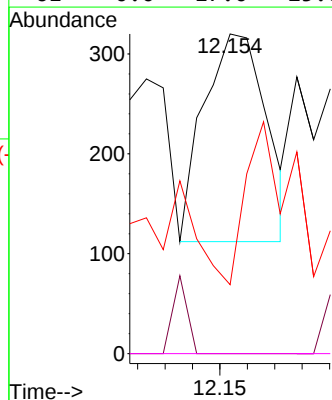
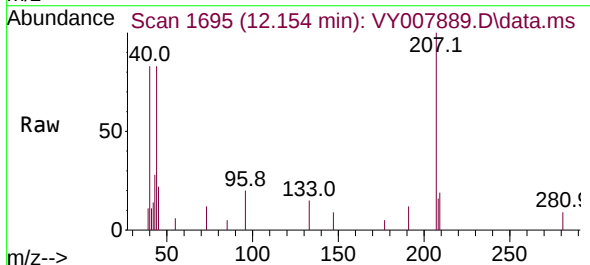
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

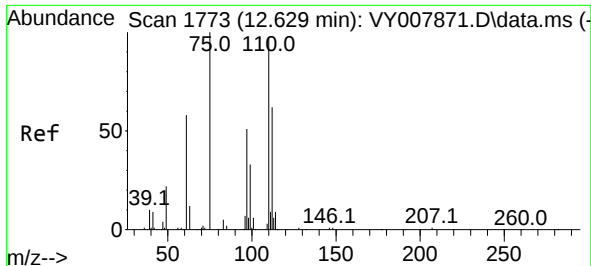
Tgt Ion:152 Resp: 8581
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 159.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.476 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.012 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 43 Resp: 329
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

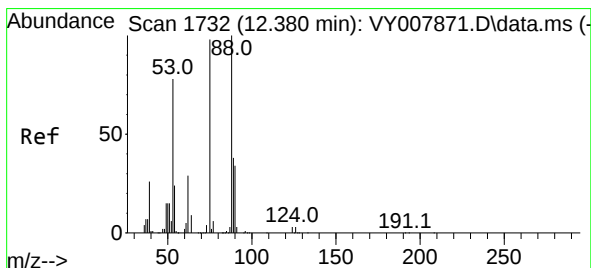
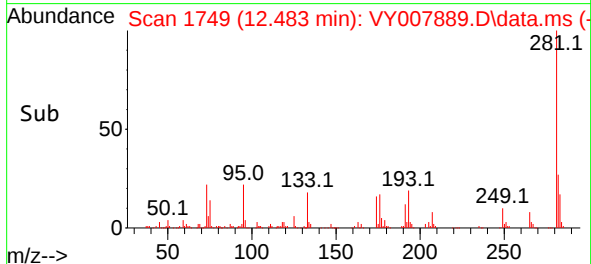
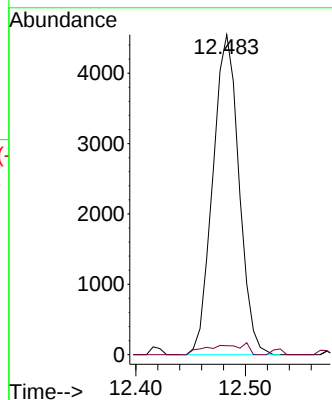
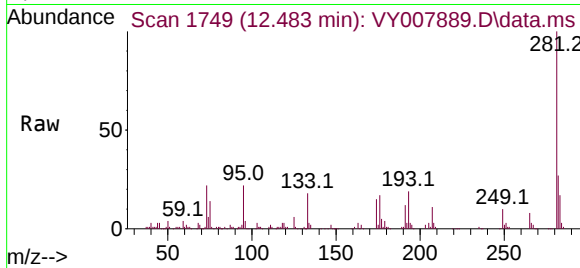




#76
1,2,3-Trichloropropane
Concen: 61.746 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

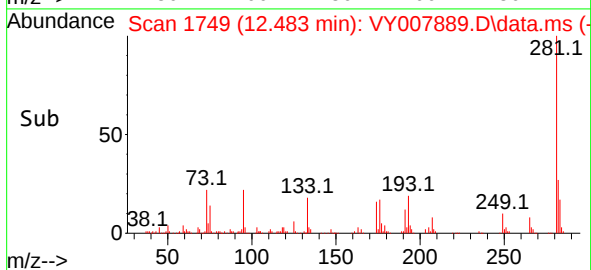
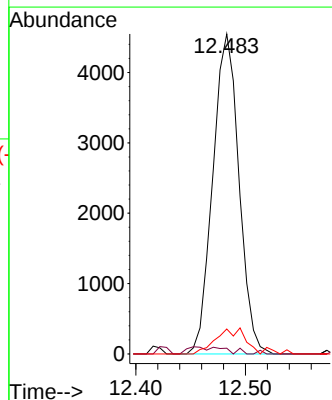
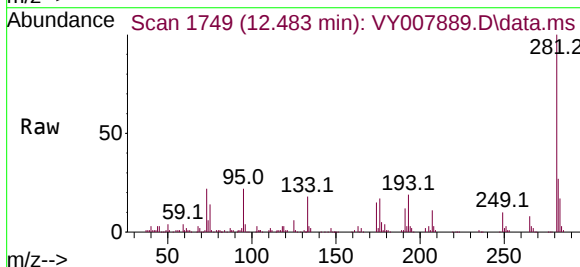
Instrument :
MSVOA_Y
ClientSampleId :
SB-10B

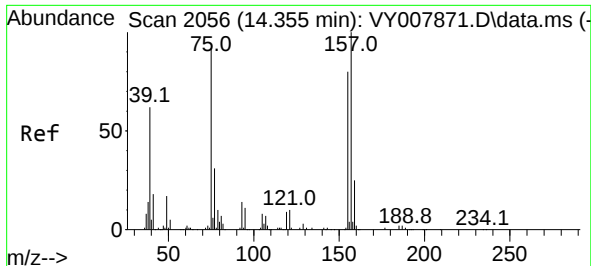
Tgt Ion: 75 Resp: 7552
Ion Ratio Lower Upper
75 100
77 4.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007889.D
Acq: 17 Mar 2022 21:00

Tgt Ion: 75 Resp: 7552
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 8.9 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.219 ug/l

RT: 14.379 min Scan# 2056

Delta R.T. 0.024 min

Lab File: VY007889.D

Acq: 17 Mar 2022 21:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-10B

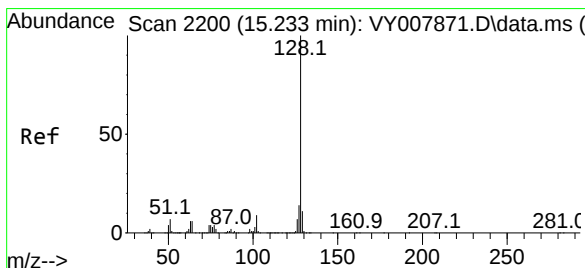
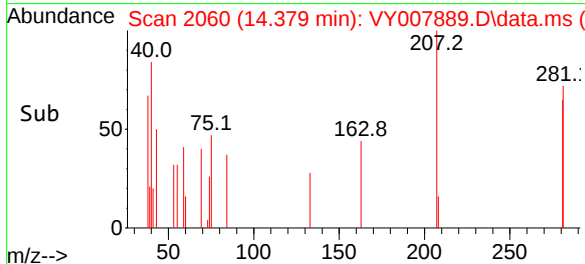
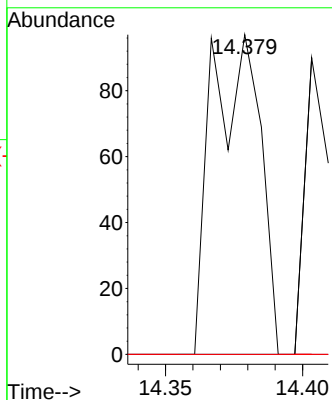
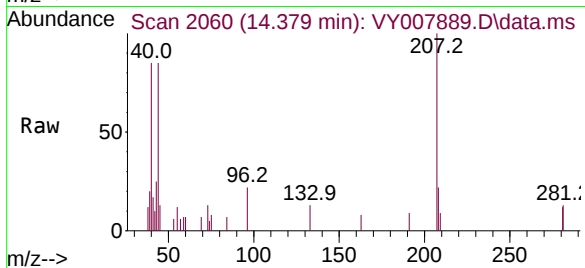
Tgt Ion: 75 Resp: 118

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#



#95

Naphthalene

Concen: 1.274 ug/l

RT: 15.232 min Scan# 2200

Delta R.T. -0.007 min

Lab File: VY007889.D

Acq: 17 Mar 2022 21:00

Tgt Ion: 128 Resp: 545

Ion Ratio Lower Upper

128 100

127 9.0 11.0 16.4#

129 0.0 8.4 12.6#

