

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030122\
 Data File : VY007666.D
 Acq On : 01 Mar 2022 14:27
 Operator : SY/MD
 Sample : N1664-22RE
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8RE

Quant Time: Mar 02 07:50:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

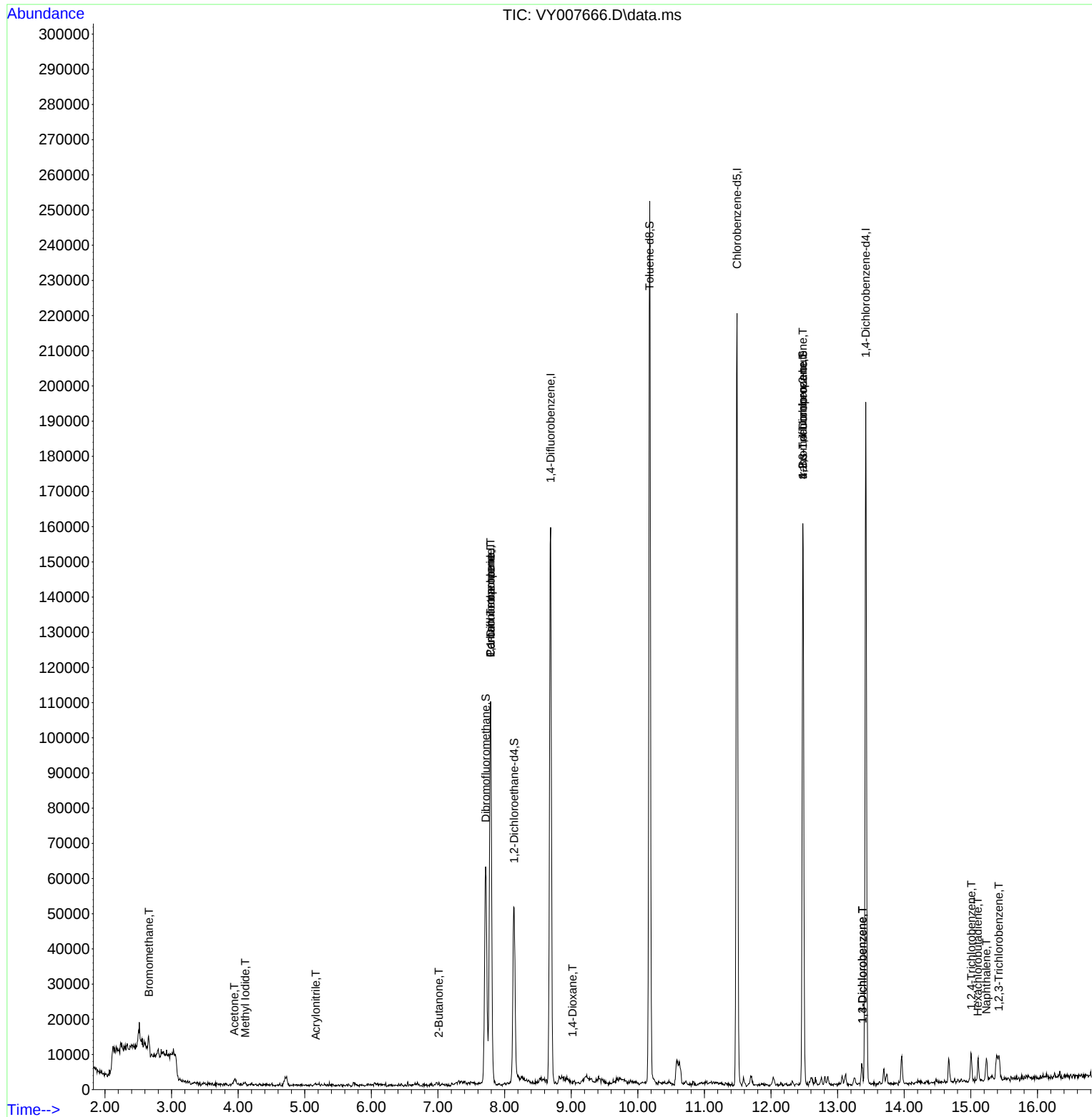
Internal Standards						
1) Pentafluorobenzene	7.789	168	85149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	117267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39790	44.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.280%
35) Dibromofluoromethane	7.716	113	42130	48.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.140%
50) Toluene-d8	10.179	98	162838	50.470	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.477	95	41615	40.013	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.020%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	76	Below Cal	#	43
3) Chloromethane	2.107	50	1816	Below Cal		94
5) Bromomethane	2.662	94	1288	1.248	ug/l	87
10) Methyl Iodide	4.107	142	1194	1.102	ug/l #	70
13) Acrolein	3.723	56	51	Below Cal	#	1
15) Acrylonitrile	5.168	53	297	1.198	ug/l #	27
16) Acetone	3.942	43	2463	13.582	ug/l	93
17) Carbon Disulfide	4.180	76	213	Below Cal	#	75
18) Methyl Acetate	4.485	43	432	Below Cal	#	82
20) Methylene Chloride	4.704	84	623	Below Cal	#	82
25) 2-Butanone	7.015	43	372	1.223	ug/l #	54
31) Cyclohexane	7.777	56	1935	Below Cal	#	30
36) 1,1-Dichloropropene	7.789	75	6821	4.947	ug/l #	47
38) Carbon Tetrachloride	7.789	117	8512	5.787	ug/l #	15
49) 1,4-Dioxane	9.020	88	23	3.198	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	25593	48.297	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25593	98.738	ug/l #	7
87) 1,3-Dichlorobenzene	13.373	146	1700	1.003	ug/l	93
88) 1,4-Dichlorobenzene	13.373	146	1700	1.017	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	2456	2.579	ug/l	90
94) Hexachlorobutadiene	15.105	225	886	1.573	ug/l	87
95) Naphthalene	15.233	128	4626	2.387	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.422	180	2655	3.128	ug/l	96

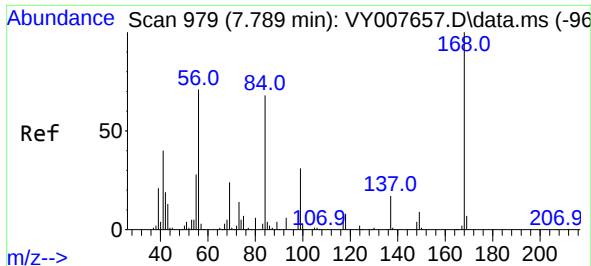
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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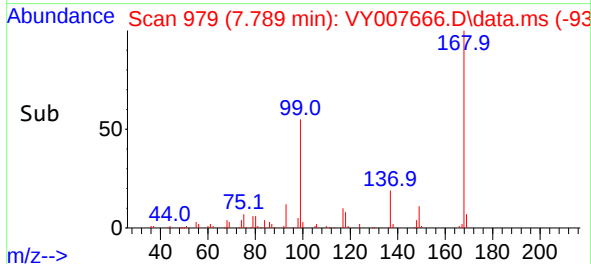
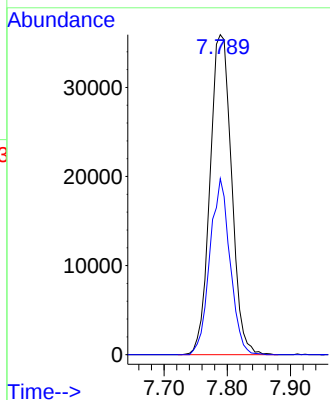
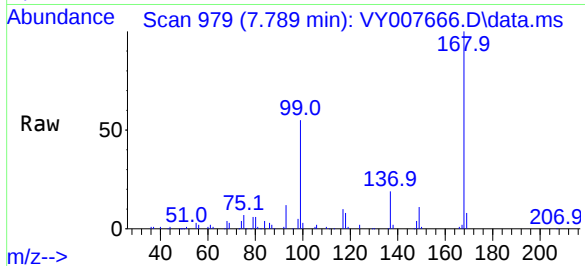




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

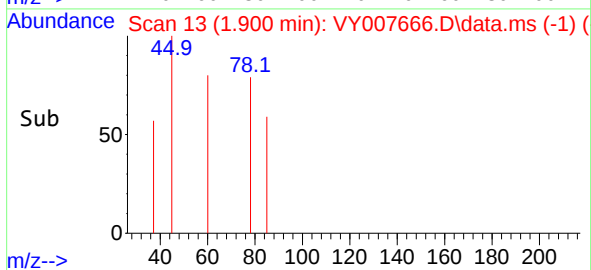
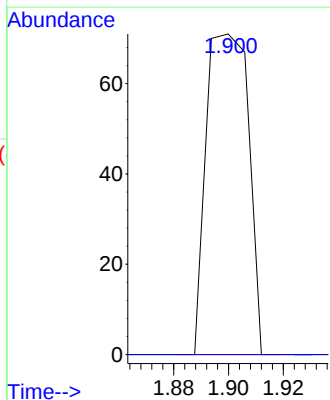
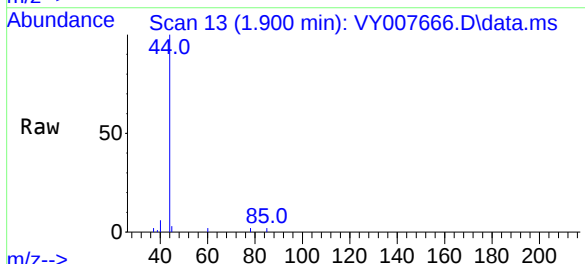
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

Tgt Ion:168 Resp: 85149
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3

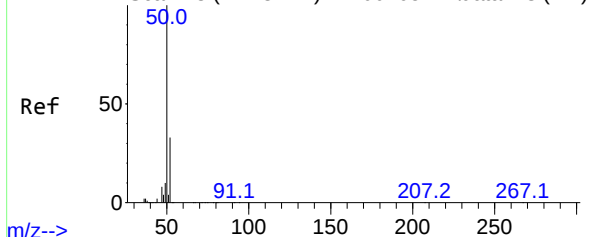


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 85 Resp: 76
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY007666.D

Acq: 01 Mar 2022 14:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-8RE

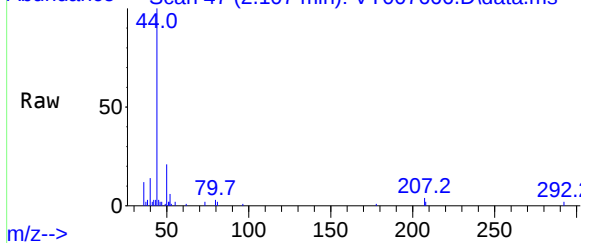
Tgt Ion: 50 Resp: 1816

Ion Ratio Lower Upper

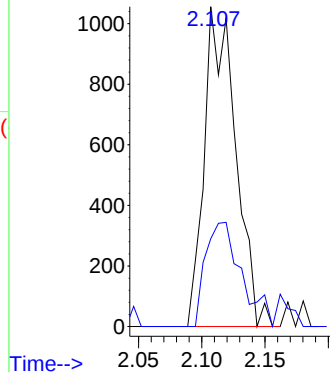
50 100

52 27.5 24.6 37.0

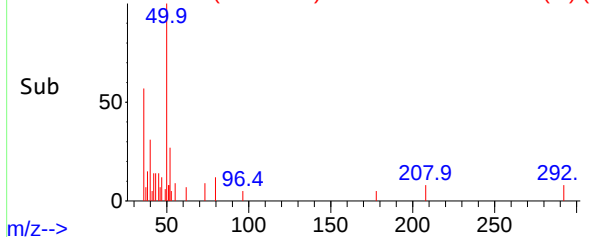
Abundance Scan 47 (2.107 min): VY007666.D\data.ms



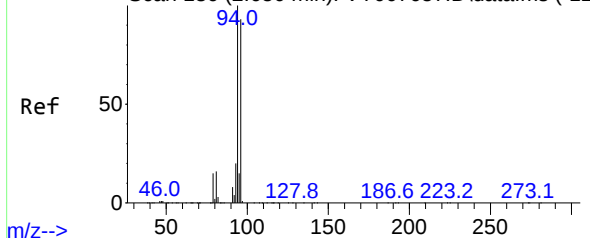
Abundance



Abundance Scan 47 (2.107 min): VY007666.D\data.ms (-1)



Abundance Scan 136 (2.650 min): VY007657.D\data.ms (-12)



#5

Bromomethane

Concen: 1.248 ug/l

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY007666.D

Acq: 01 Mar 2022 14:27

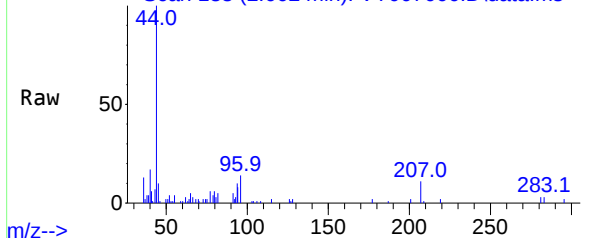
Tgt Ion: 94 Resp: 1288

Ion Ratio Lower Upper

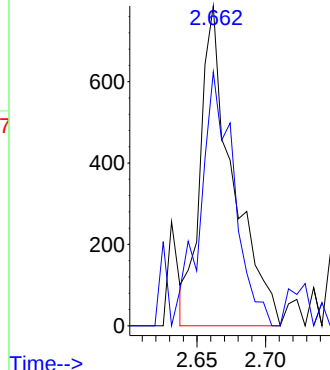
94 100

96 79.4 73.5 110.3

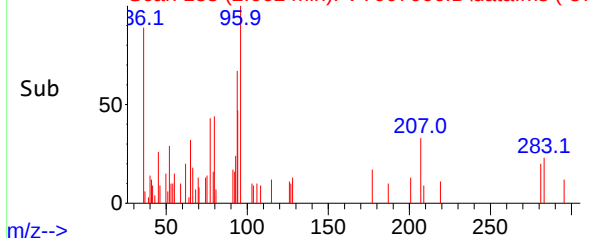
Abundance Scan 138 (2.662 min): VY007666.D\data.ms

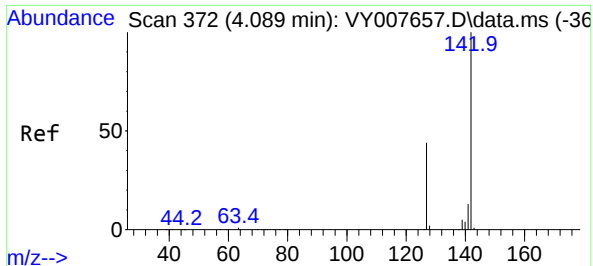


Abundance



Abundance Scan 138 (2.662 min): VY007666.D\data.ms (-87)

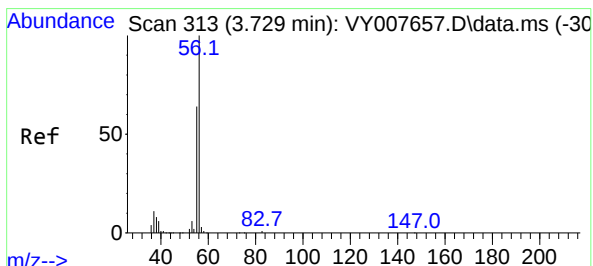
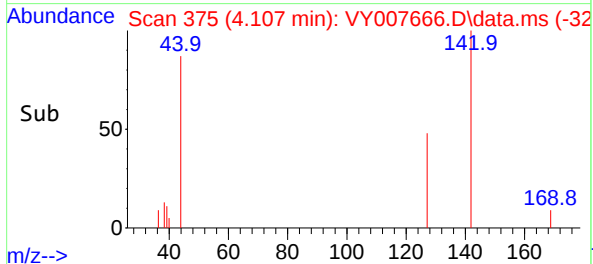
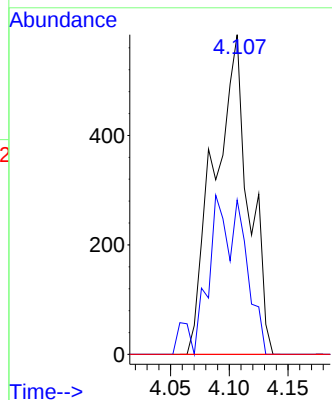
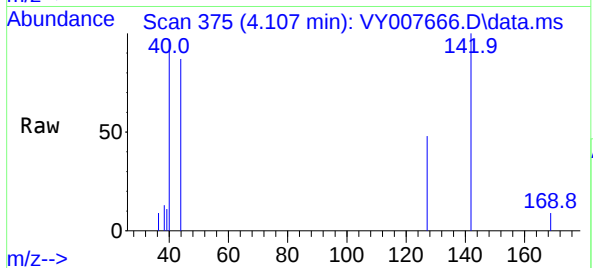




#10
Methyl Iodide
Concen: 1.102 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

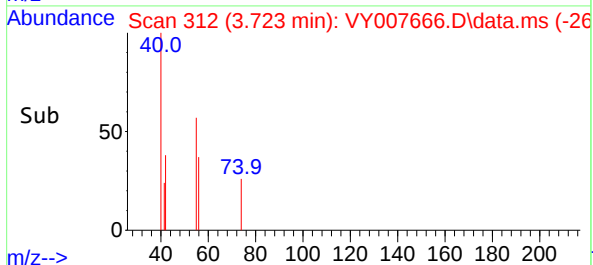
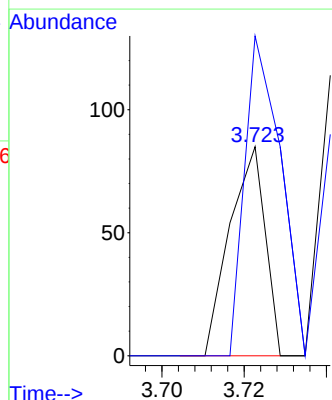
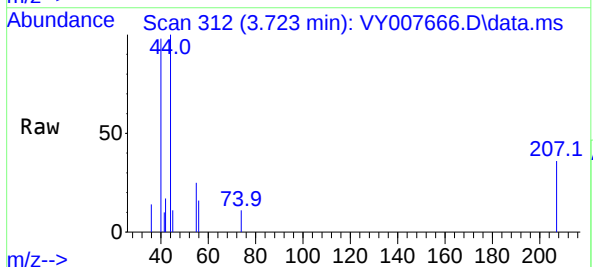
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

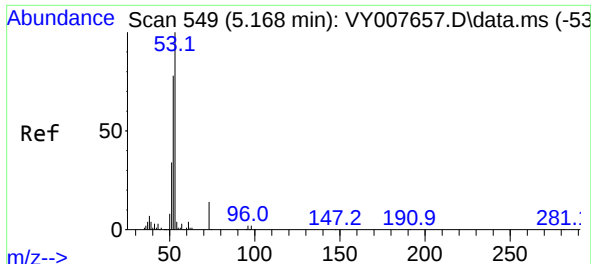
Tgt Ion:142 Resp: 1194
Ion Ratio Lower Upper
142 100
127 32.1 41.5 62.3#
141 0.0 11.9 17.9#



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 154.9 57.6 86.4#

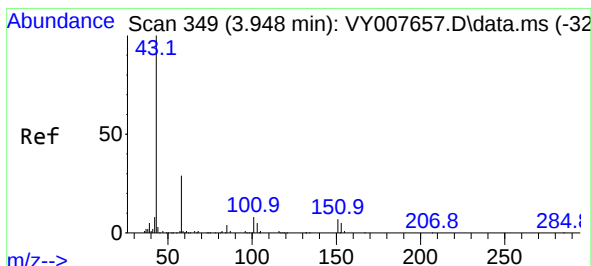
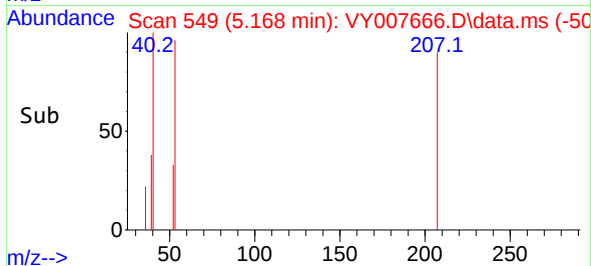
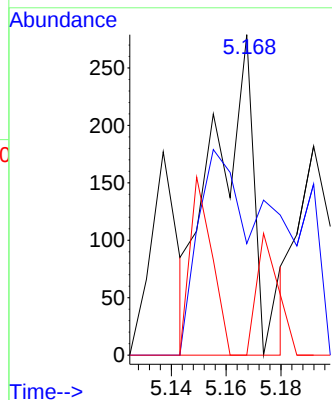
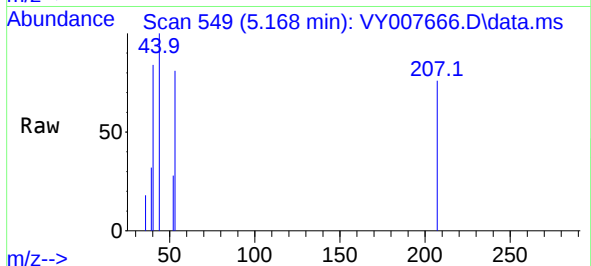




#15
Acrylonitrile
Concen: 1.198 ug/l
RT: 5.168 min Scan# 549
Delta R.T. -0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

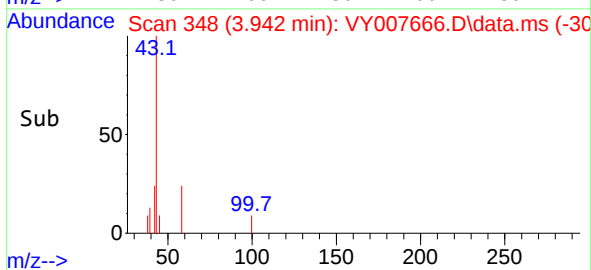
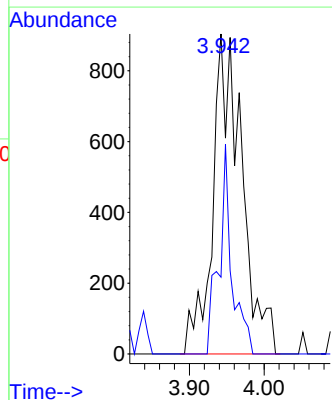
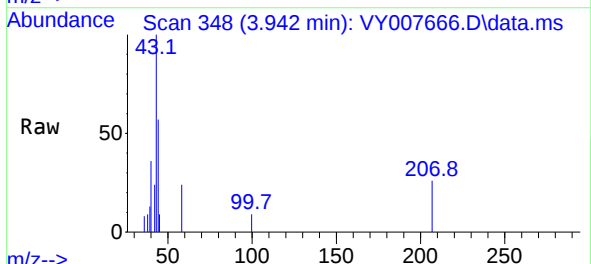
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

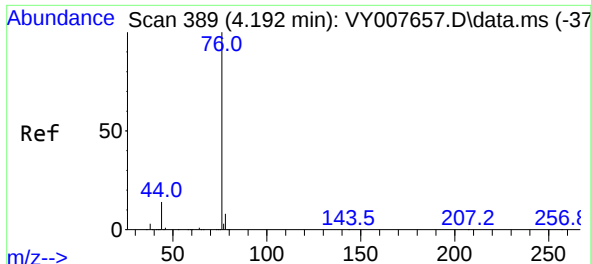
Tgt Ion: 53 Resp: 297
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 19.5 29.8 44.6#



#16
Acetone
Concen: 13.582 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 43 Resp: 2463
Ion Ratio Lower Upper
43 100
58 24.0 22.0 33.0

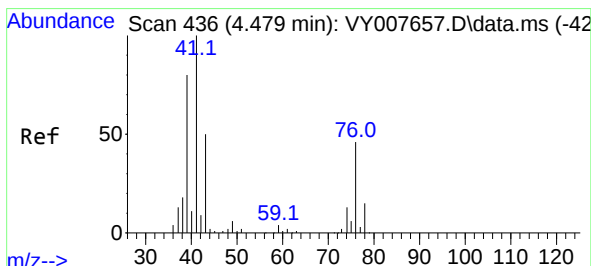
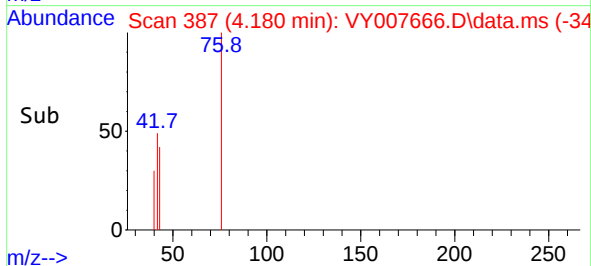
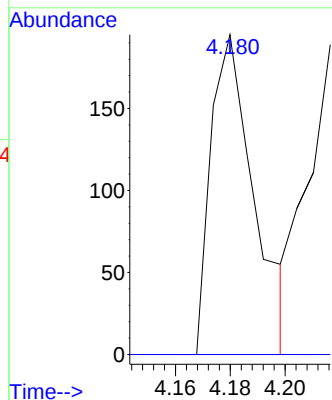
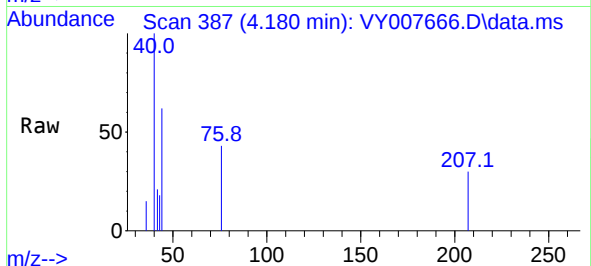




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

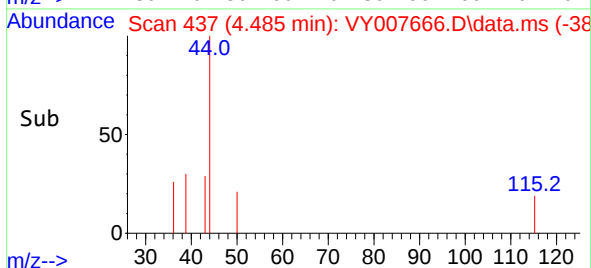
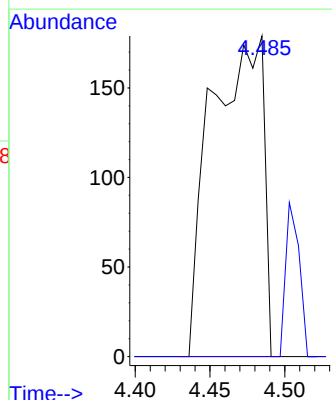
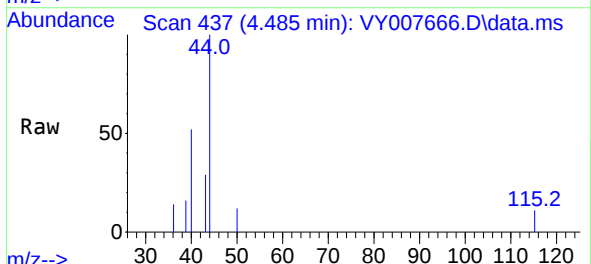
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

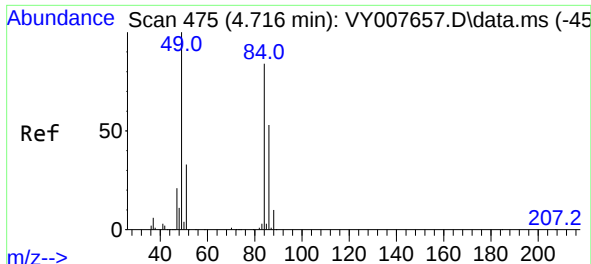
Tgt Ion: 76 Resp: 213
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
74 12.5 16.6 24.8#



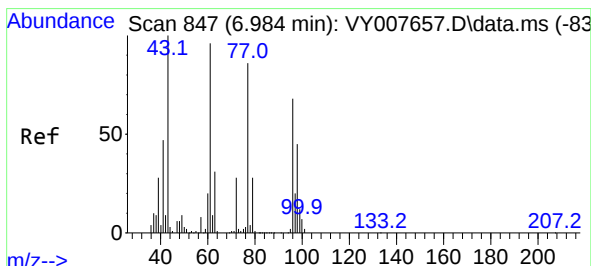
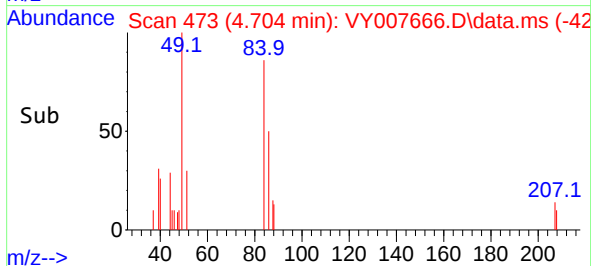
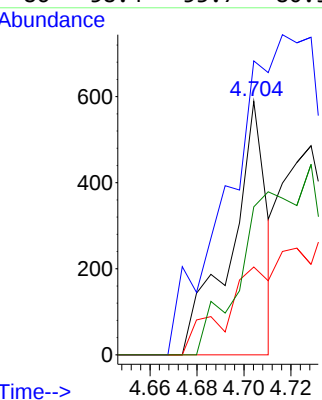
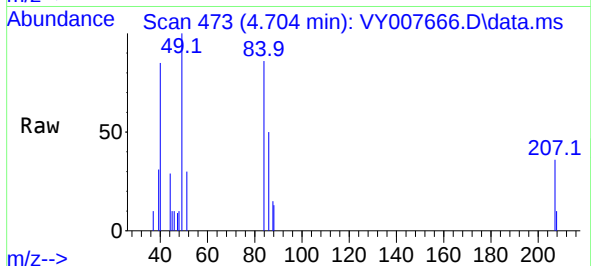


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

Tgt Ion: 84 Resp: 623

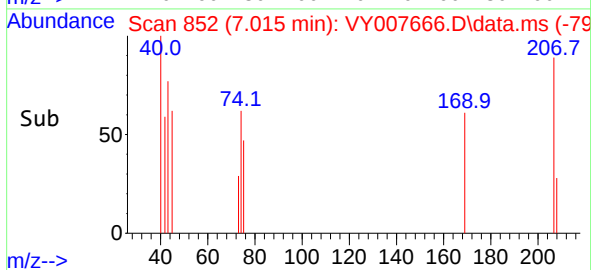
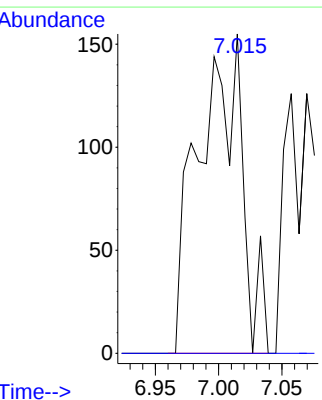
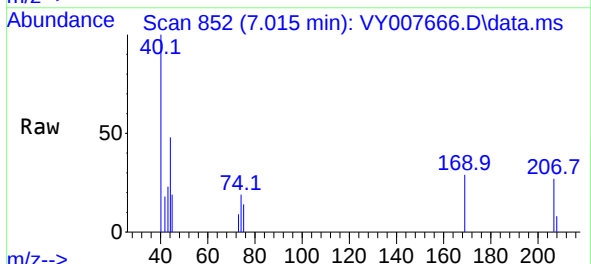
Ion	Ratio	Lower	Upper
84	100		
49	116.0	114.4	171.6
51	34.6	35.3	52.9#
86	58.4	53.7	80.5

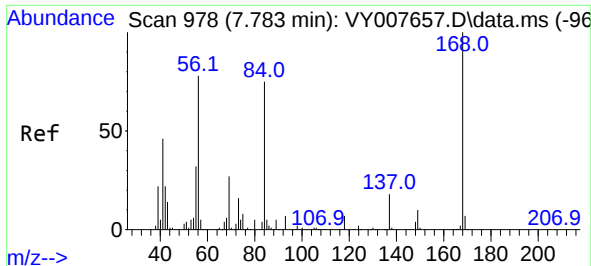


#25
2-Butanone
Concen: 1.223 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.031 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 43 Resp: 372

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

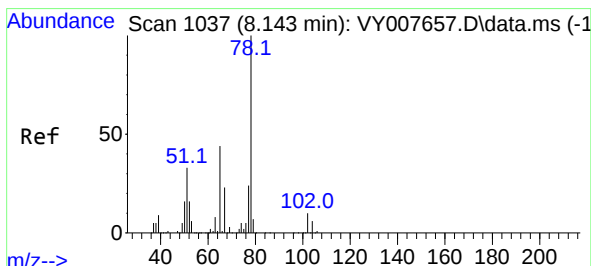
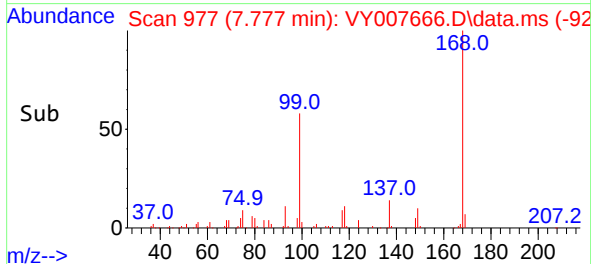
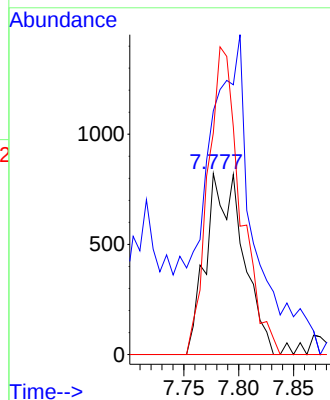
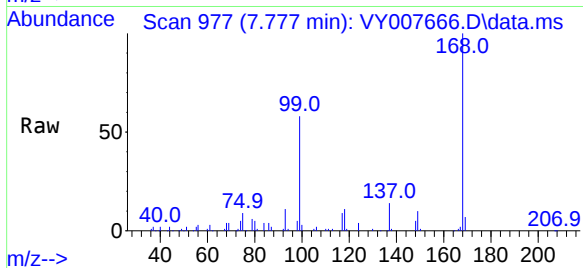




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

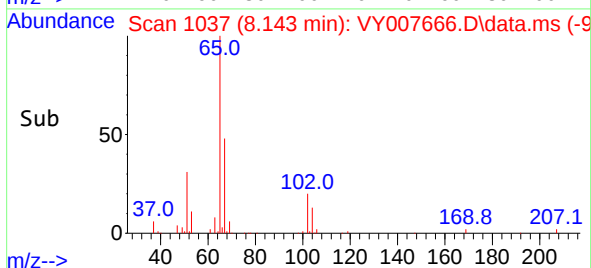
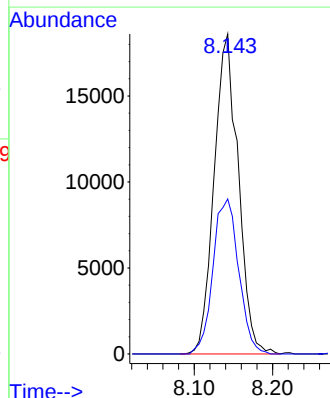
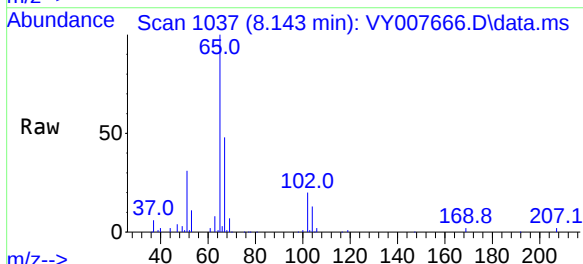
Instrument :
MSVOA_Y
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TP-8RE

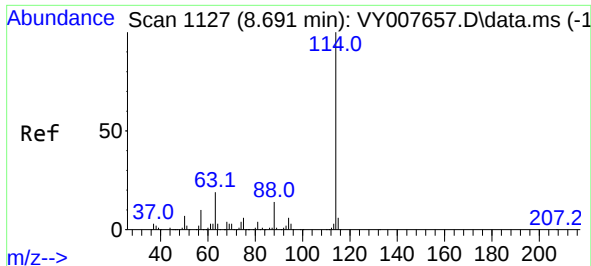
Tgt Ion: 56 Resp: 1935
Ion Ratio Lower Upper
56 100
69 112.7 26.7 40.1#
84 122.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 44.636 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 65 Resp: 39790
Ion Ratio Lower Upper
65 100
67 51.6 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: VY007666.D

Acq: 01 Mar 2022 14:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-8RE

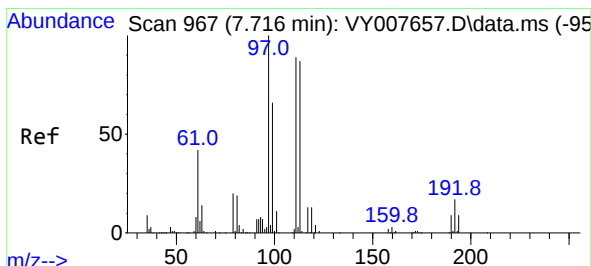
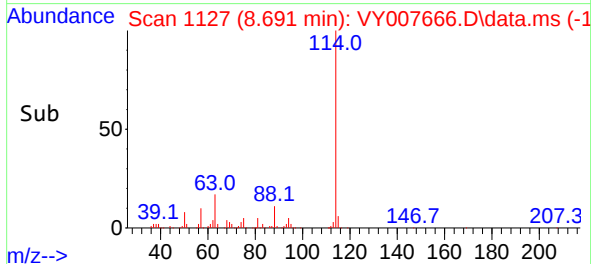
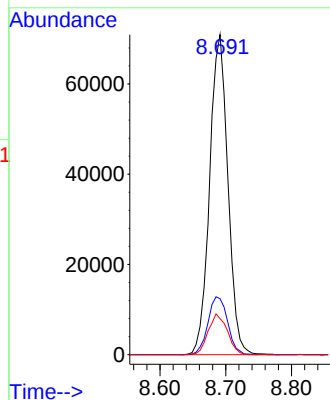
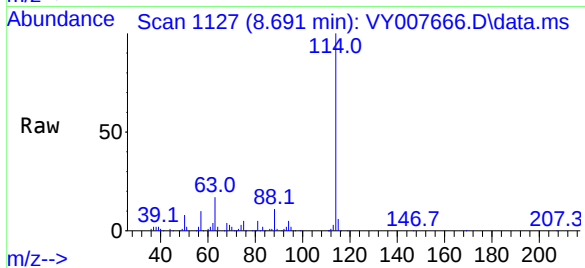
Tgt Ion:114 Resp: 137097

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 11.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.066 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007666.D

Acq: 01 Mar 2022 14:27

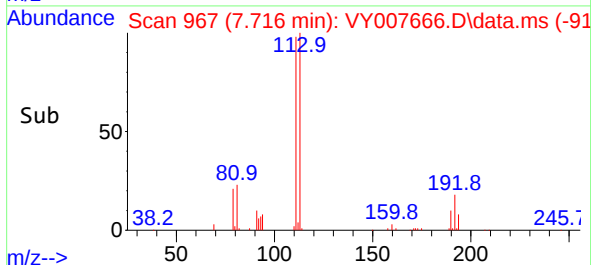
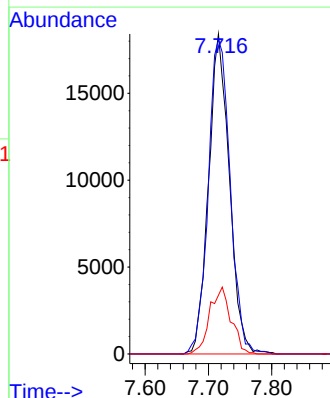
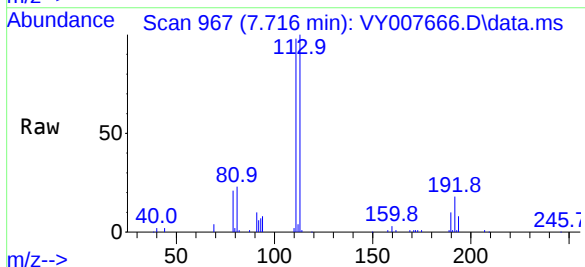
Tgt Ion:113 Resp: 42130

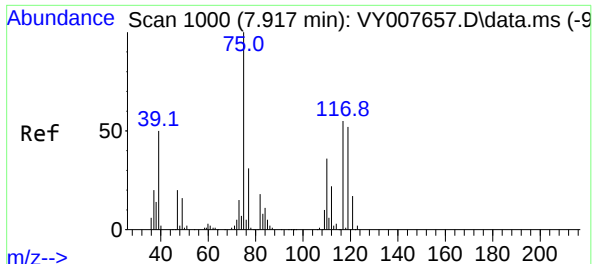
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 21.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007666.D

Acq: 01 Mar 2022 14:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-8RE

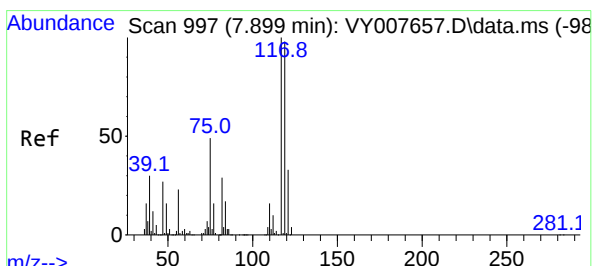
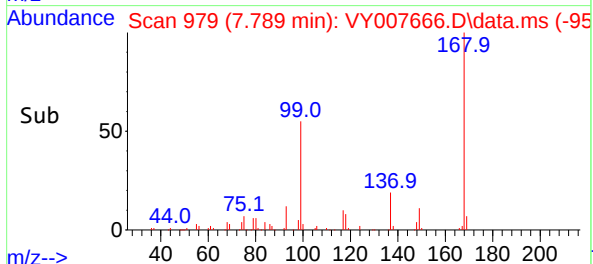
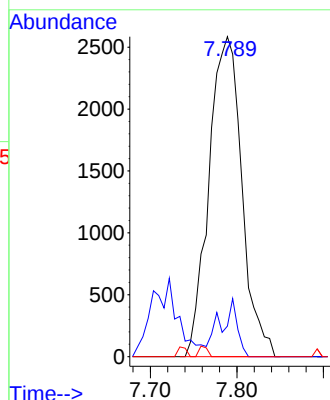
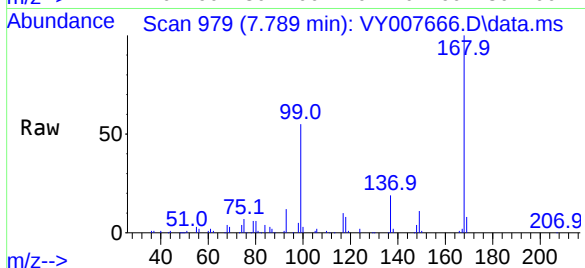
Tgt Ion: 75 Resp: 6821

Ion Ratio Lower Upper

75 100

110 5.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007666.D

Acq: 01 Mar 2022 14:27

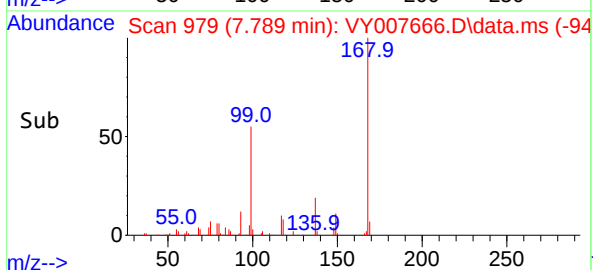
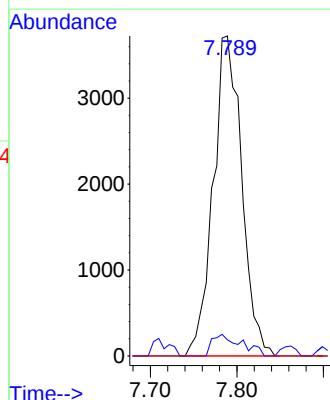
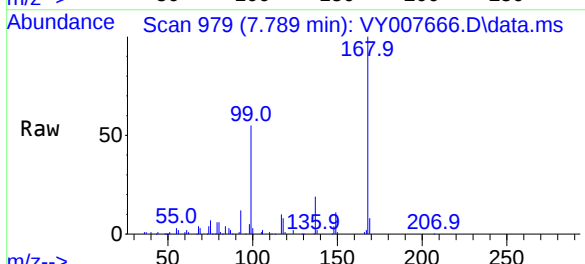
Tgt Ion: 117 Resp: 8512

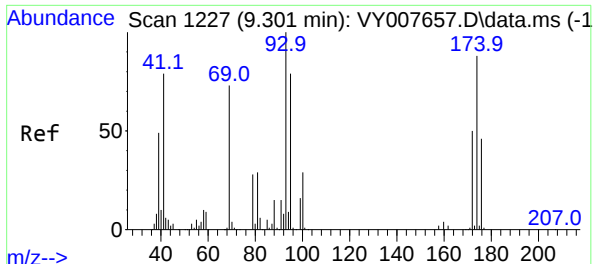
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

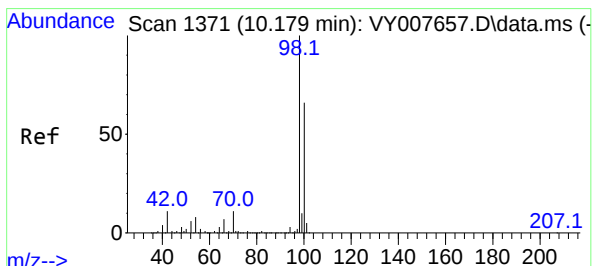
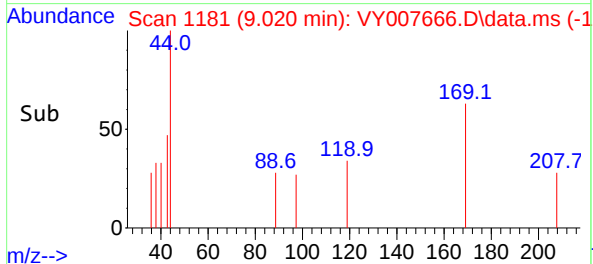
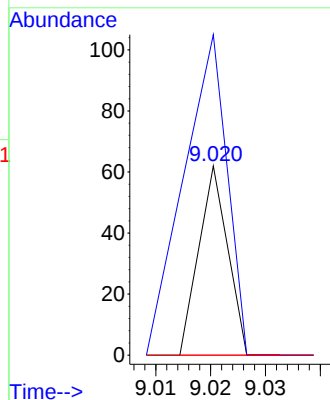
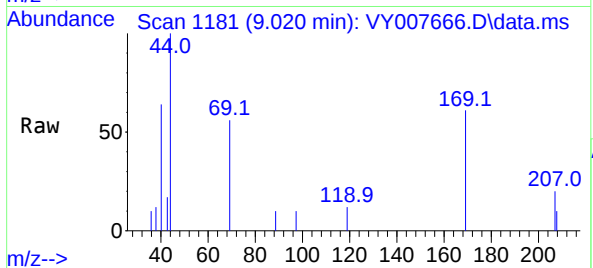




#49
1,4-Dioxane
Concen: 3.198 ug/l
RT: 9.020 min Scan# 1181
Delta R.T. -0.281 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

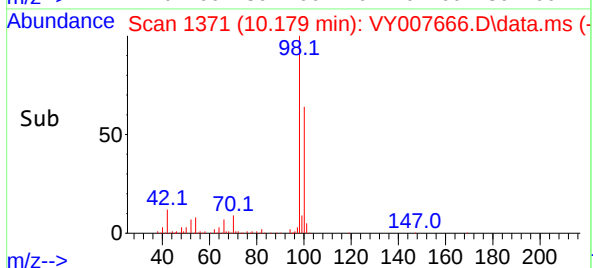
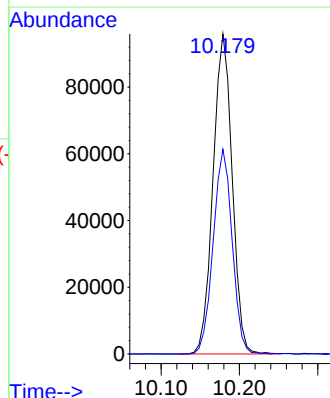
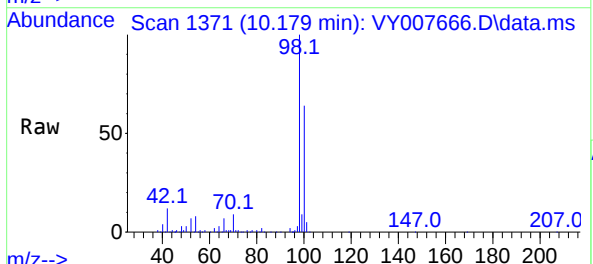
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

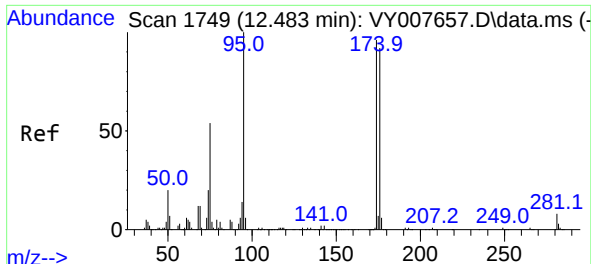
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 50.470 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 98 Resp: 162838
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2

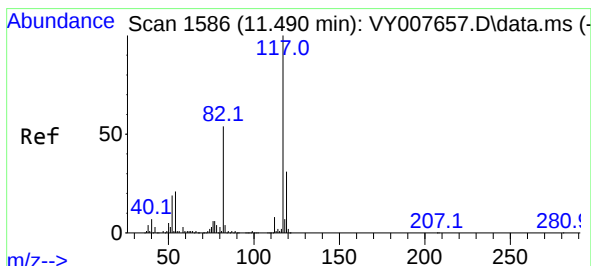
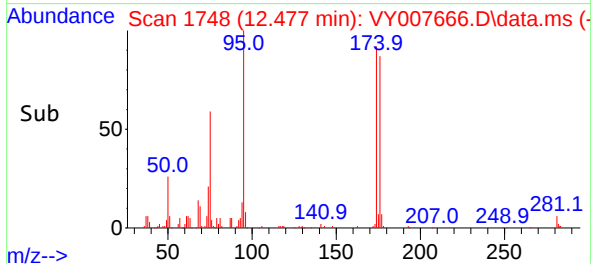
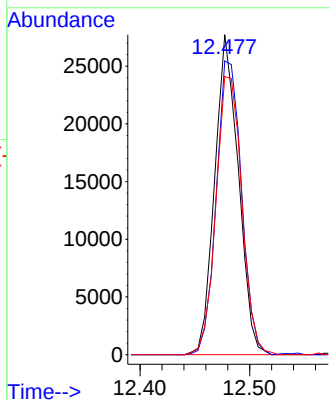
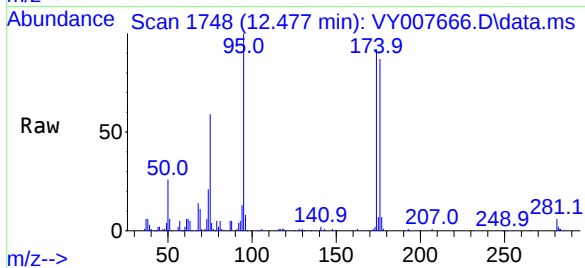




#62
4-Bromofluorobenzene
Concen: 40.013 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

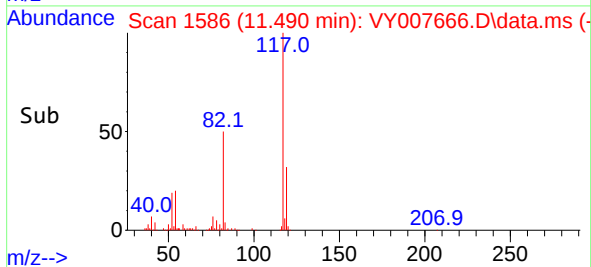
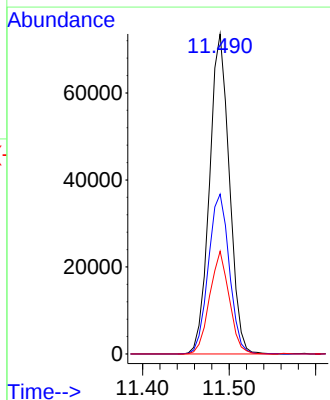
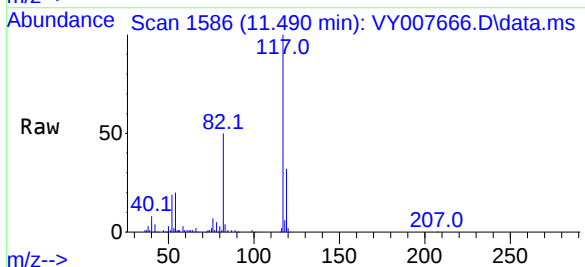
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

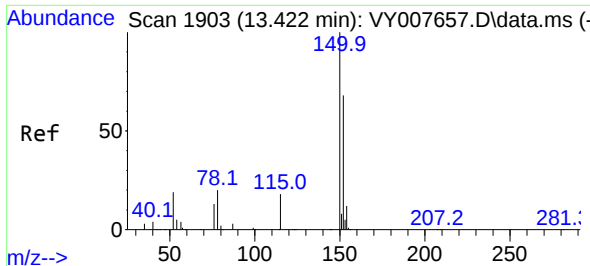
Tgt Ion: 95 Resp: 41615
Ion Ratio Lower Upper
95 100
174 97.7 0.0 177.0
176 94.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion: 117 Resp: 117267
Ion Ratio Lower Upper
117 100
82 49.9 43.0 64.4
119 32.1 25.4 38.0

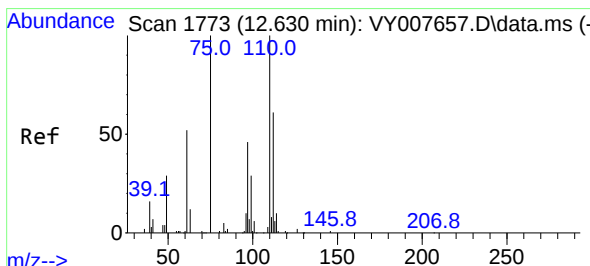
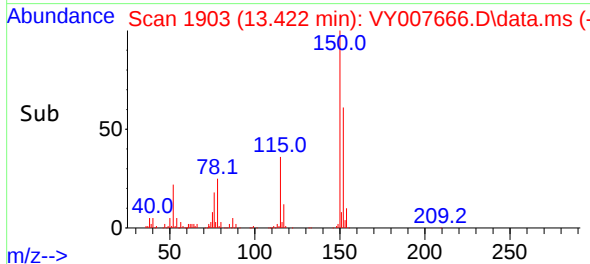
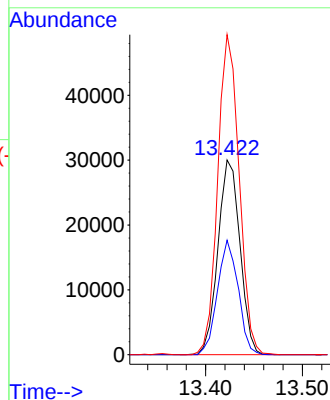
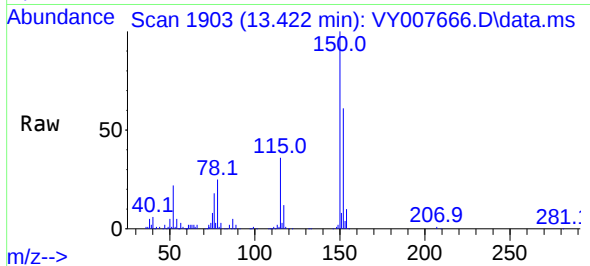




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY007666.D
 Acq: 01 Mar 2022 14:27

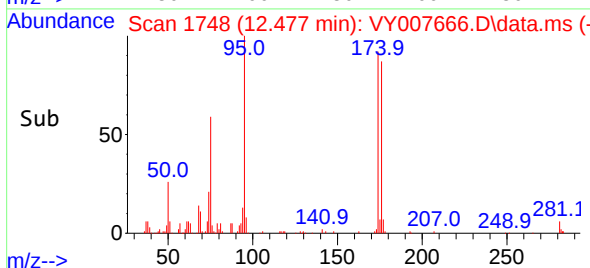
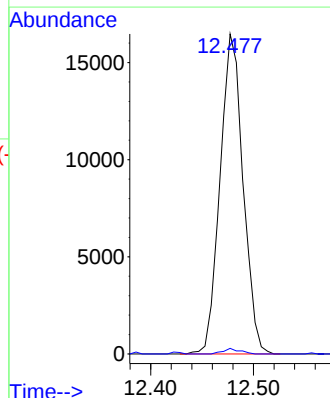
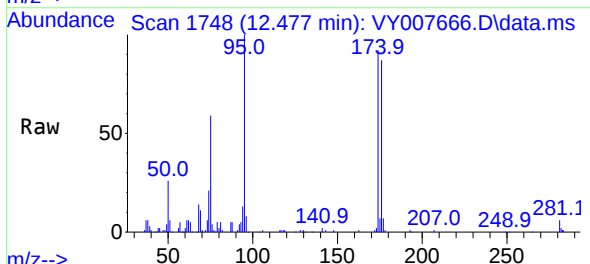
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8RE

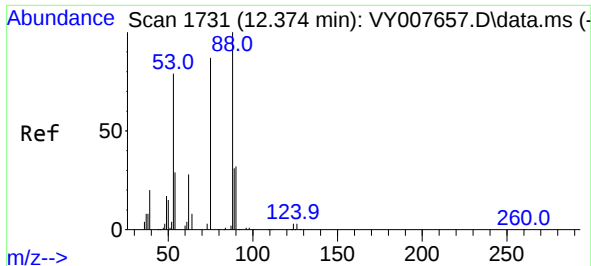
Tgt Ion:152 Resp: 47450
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.2 84.7
 150 159.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.297 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY007666.D
 Acq: 01 Mar 2022 14:27

Tgt Ion: 75 Resp: 25593
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

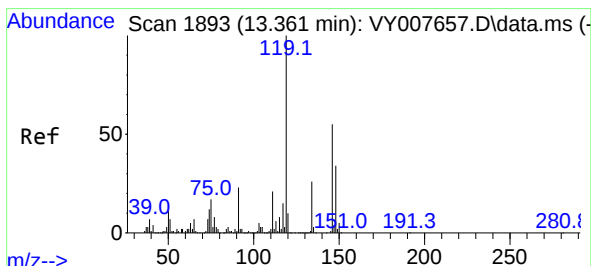
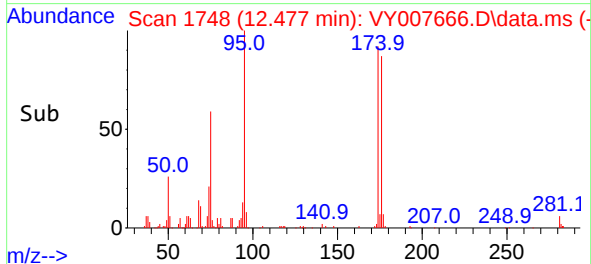
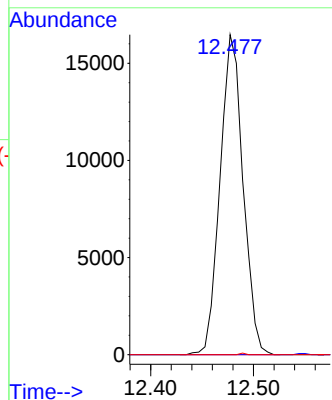
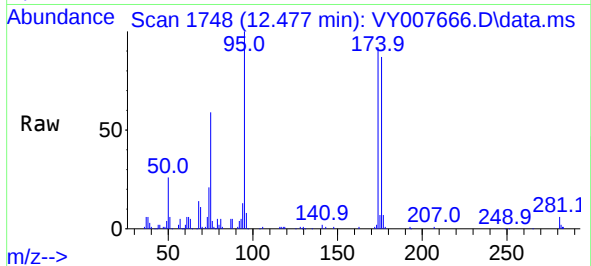




#81
trans-1,4-Dichloro-2-butene
Concen: 98.738 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

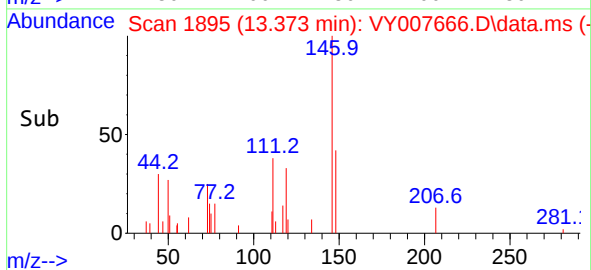
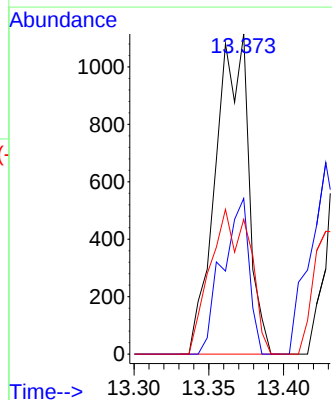
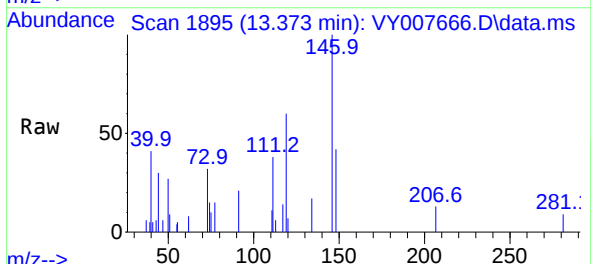
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

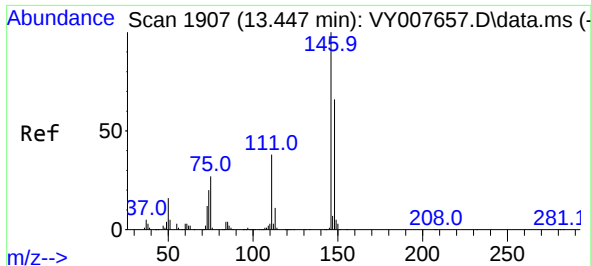
Tgt Ion: 75 Resp: 25593
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#87
1,3-Dichlorobenzene
Concen: 1.003 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.012 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion:146 Resp: 1700
Ion Ratio Lower Upper
146 100
111 39.6 19.5 58.5
148 54.5 31.6 95.0

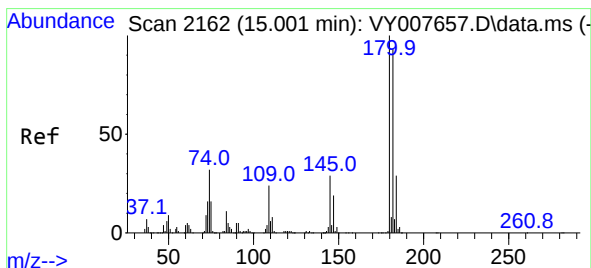
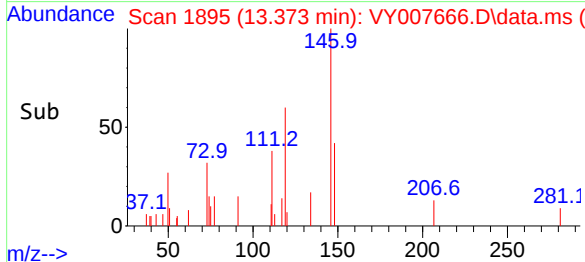
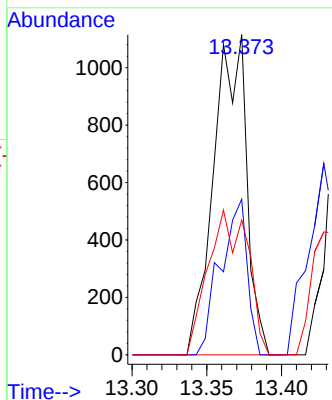
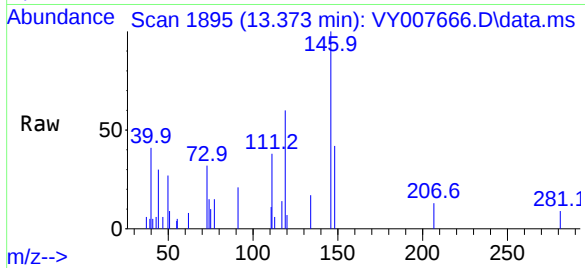




#88
1,4-Dichlorobenzene
Concen: 1.017 ug/l
RT: 13.373 min Scan# 11
Delta R.T. -0.074 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

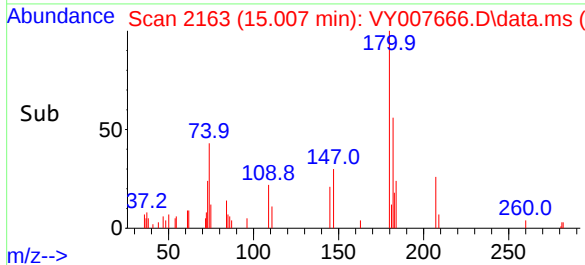
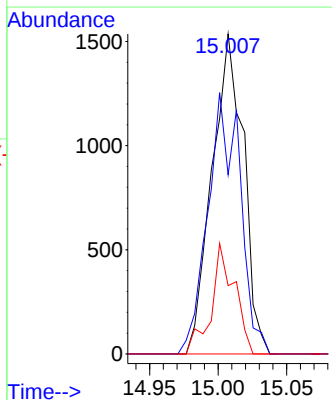
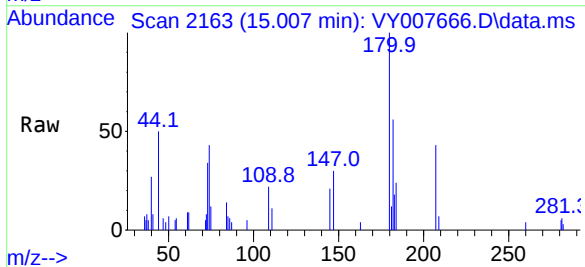
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

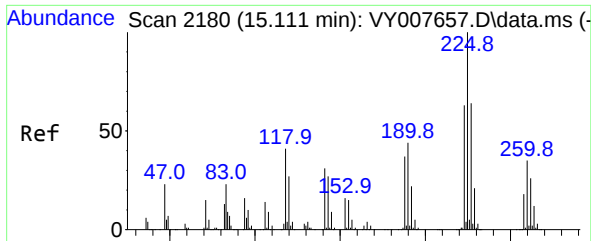
Tgt Ion:	146	Resp:	1700
Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	54.5	32.6	97.8



#93
1,2,4-Trichlorobenzene
Concen: 2.579 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

Tgt Ion:	180	Resp:	2456
Ion	Ratio	Lower	Upper
180	100		
182	83.5	47.3	141.9
145	25.3	14.6	43.8

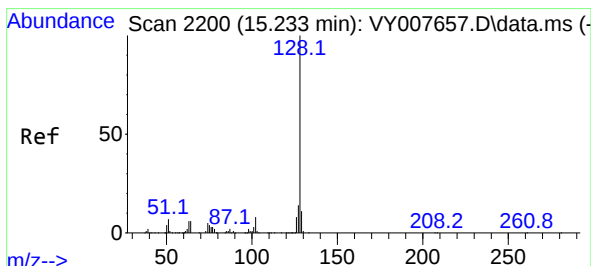
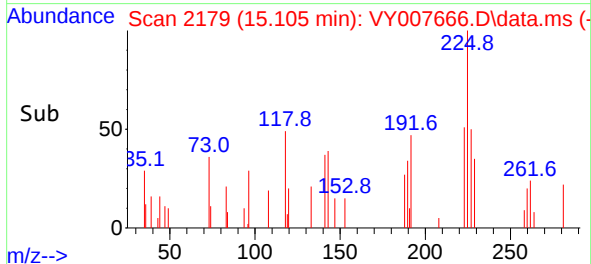
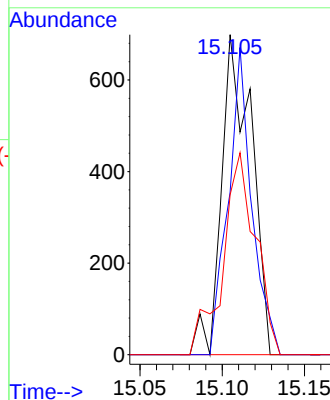
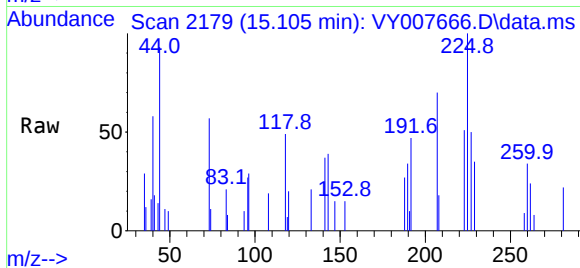




#94
Hexachlorobutadiene
Concen: 1.573 ug/l
RT: 15.105 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

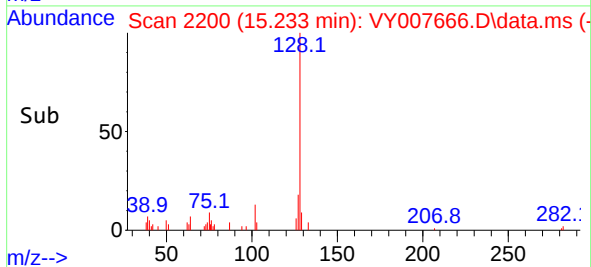
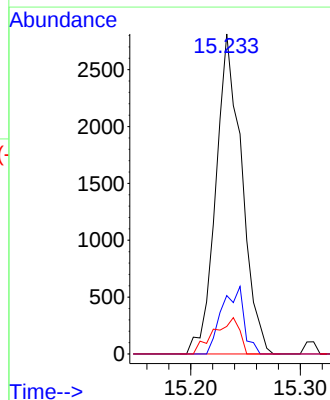
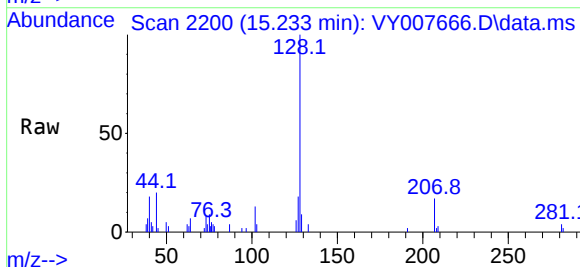
Instrument :
MSVOA_Y
ClientSampleId :
TP-8RE

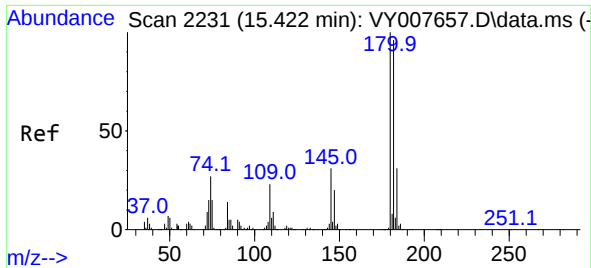
Tgt Ion:225 Resp: 886
Ion Ratio Lower Upper
225 100
223 75.6 30.8 92.3
227 69.0 31.6 94.7



#95
Naphthalene
Concen: 2.387 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007666.D
Acq: 01 Mar 2022 14:27

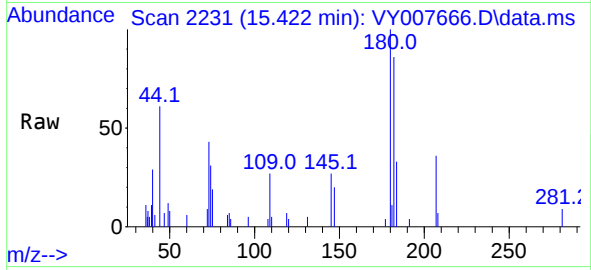
Tgt Ion:128 Resp: 4626
Ion Ratio Lower Upper
128 100
127 18.0 11.0 16.4#
129 11.1 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 3.128 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY007666.D
 Acq: 01 Mar 2022 14:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8RE



Tgt Ion:	180	Resp:	2655
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	29.4	15.3	45.9

