

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007825.D
 Acq On : 10 Mar 2022 15:12
 Operator : SY/MD
 Sample : N1806-09RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUM-26RE

Quant Time: Mar 10 23:56:54 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)

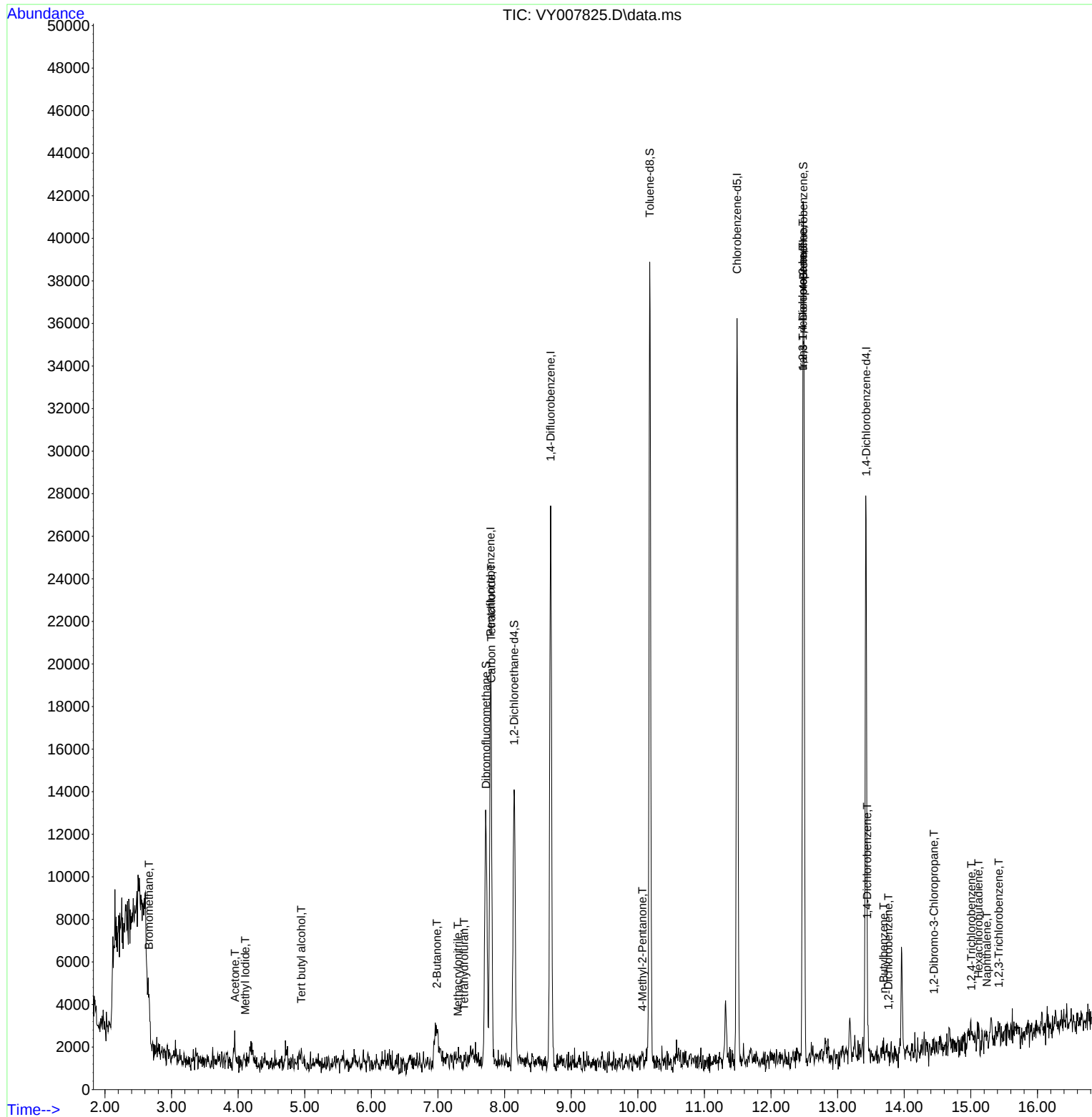
Internal Standards						
1) Pentafluorobenzene	7.789	168	13147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	20893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	18603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10165	73.854	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.700%			
35) Dibromofluoromethane	7.722	113	8087	60.543	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.080%			
50) Toluene-d8	10.179	98	24061	48.934	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.860%			
62) 4-Bromofluorobenzene	12.483	95	6211	39.187	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.380%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	772	Below Cal		99
5) Bromomethane	2.662	94	511	3.206 ug/l #		38
10) Methyl Iodide	4.106	142	518	3.095 ug/l #		93
11) Tert butyl alcohol	4.948	59	260	21.819 ug/l #		77
13) Acrolein	3.759	56	55	Below Cal #		14
16) Acetone	3.954	43	1409	50.323 ug/l #		62
17) Carbon Disulfide	4.192	76	19	Below Cal #		75
18) Methyl Acetate	4.436	43	51	Below Cal #		56
20) Methylene Chloride	4.728	84	155	Below Cal #		64
25) 2-Butanone	6.984	43	177	3.768 ug/l #		54
29) Tetrahydrofuran	7.392	42	43	1.338 ug/l #		38
31) Cyclohexane	7.783	56	553	Below Cal #		68
38) Carbon Tetrachloride	7.801	117	1535	6.848 ug/l #		11
41) Methacrylonitrile	7.301	41	100	1.803 ug/l #		1
51) 4-Methyl-2-Pentanone	10.069	43	417	3.631 ug/l #		72
76) 1,2,3-Trichloropropane	12.477	75	3848	55.008 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	3848	112.456 ug/l #		9
88) 1,4-Dichlorobenzene	13.446	146	420	1.903 ug/l #		64
89) n-Butylbenzene	13.690	91	424	1.023 ug/l #		33
91) 1,2-Dichlorobenzene	13.763	146	311	1.566 ug/l #		24
92) 1,2-Dibromo-3-Chloropr...	14.446	75	25	1.613 ug/l #		6
93) 1,2,4-Trichlorobenzene	15.007	180	127	1.010 ug/l #		53
94) Hexachlorobutadiene	15.117	225	117	1.574 ug/l #		56
95) Naphthalene	15.239	128	464	1.814 ug/l #		69
96) 1,2,3-Trichlorobenzene	15.421	180	292	2.606 ug/l #		41

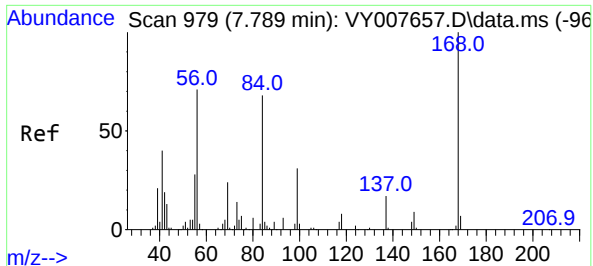
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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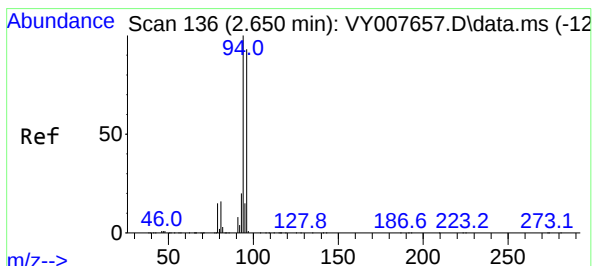
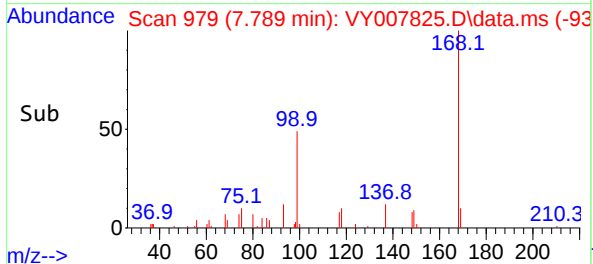
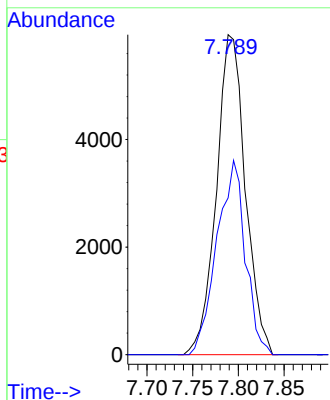
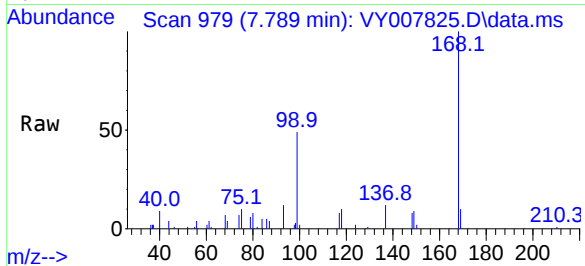




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

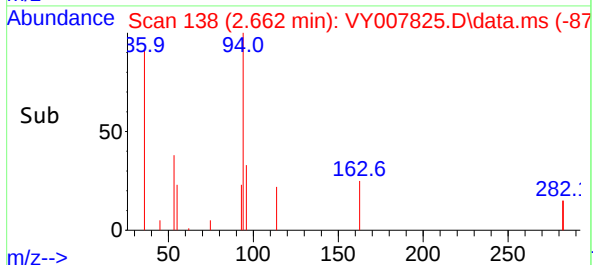
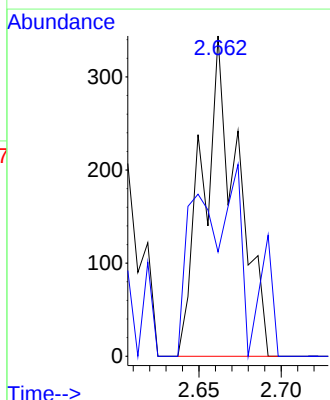
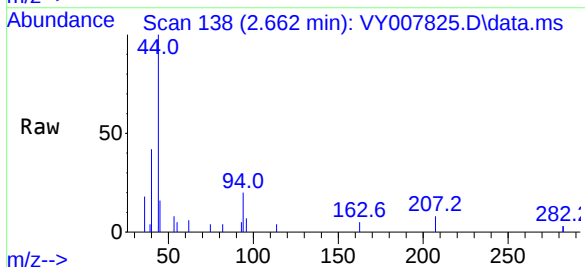
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

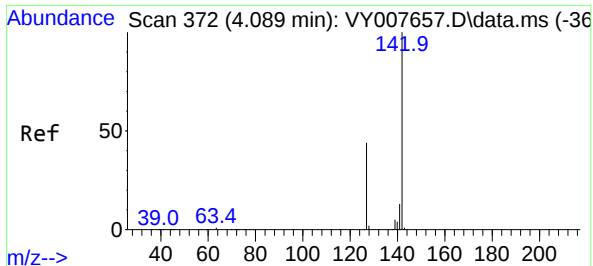
Tgt Ion:168 Resp: 13147
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#5
Bromomethane
Concen: 3.206 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 32.6 73.5 110.3#

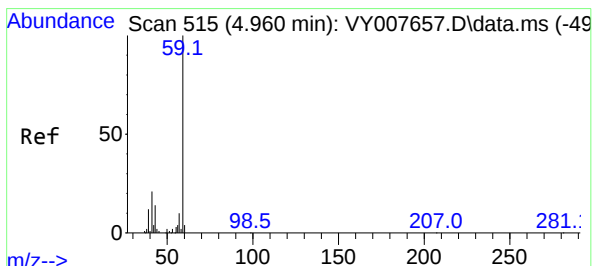
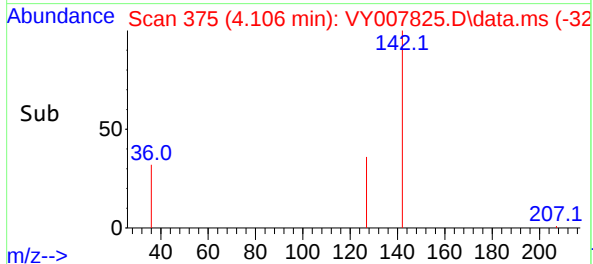
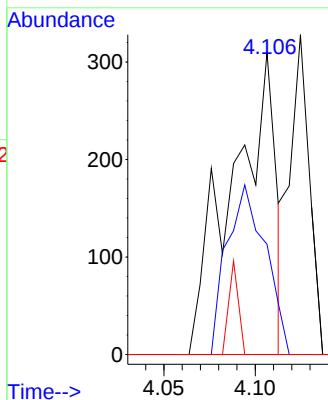
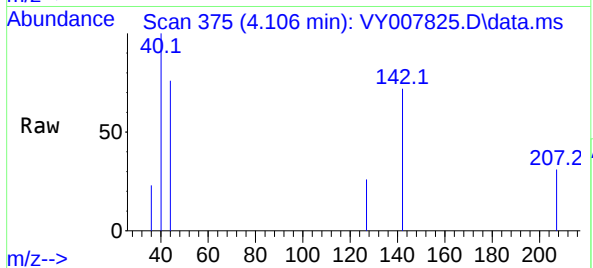




#10
Methyl Iodide
Concen: 3.095 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.017 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

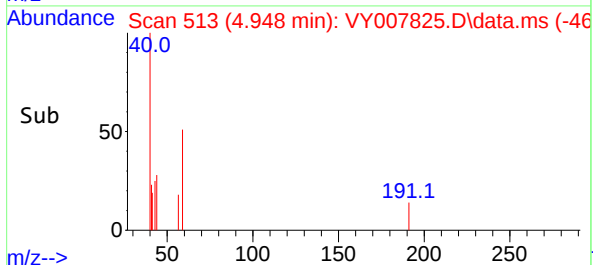
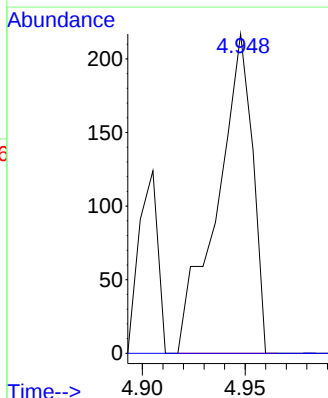
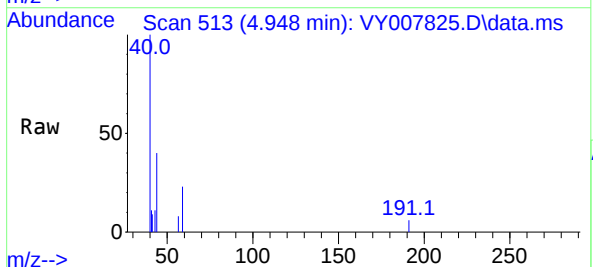
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

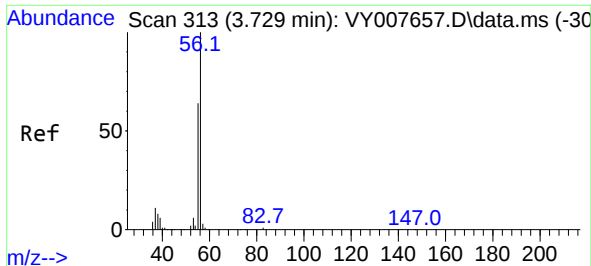
Tgt Ion:142 Resp: 518
Ion Ratio Lower Upper
142 100
127 49.4 41.5 62.3
141 6.8 11.9 17.9#



#11
Tert butyl alcohol
Concen: 21.819 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

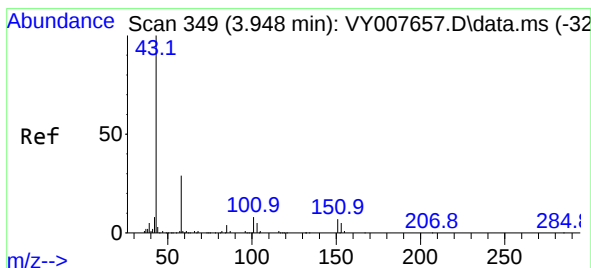
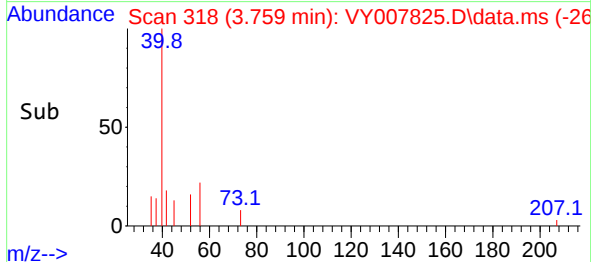
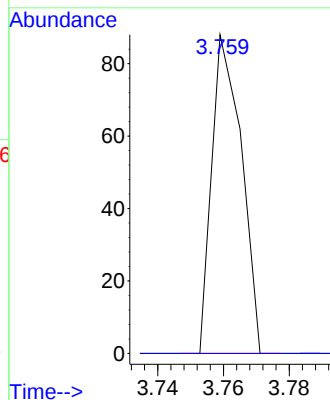
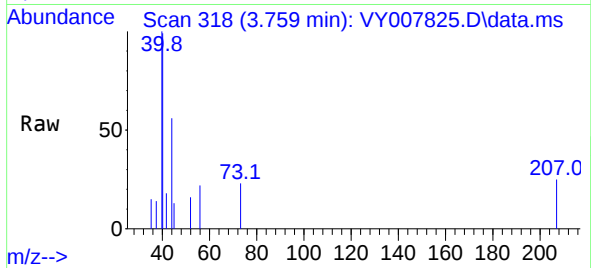




#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 313
Delta R.T. 0.030 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

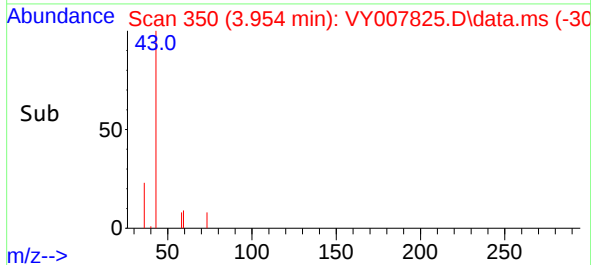
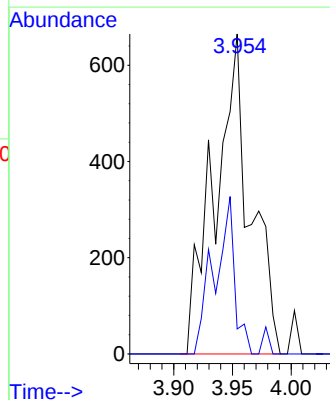
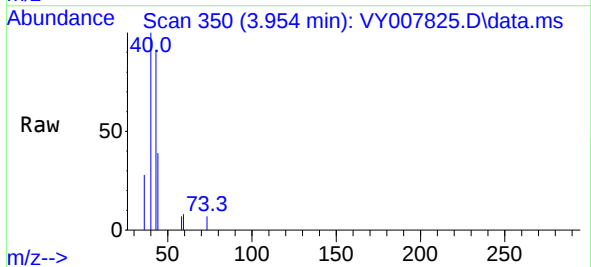
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

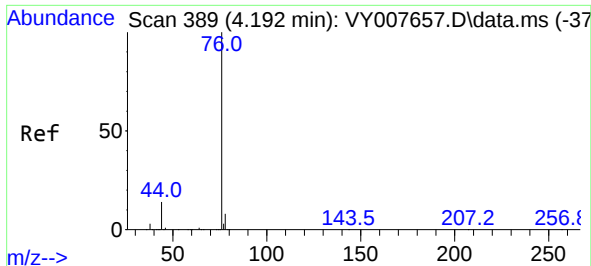
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 50.323 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 7.8 22.0 33.0#

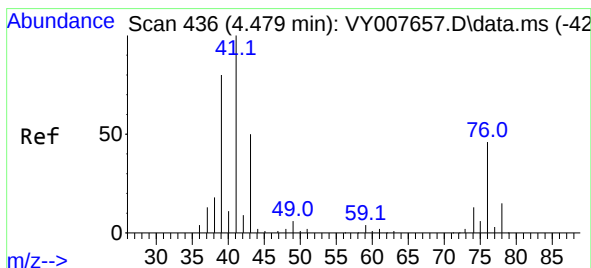
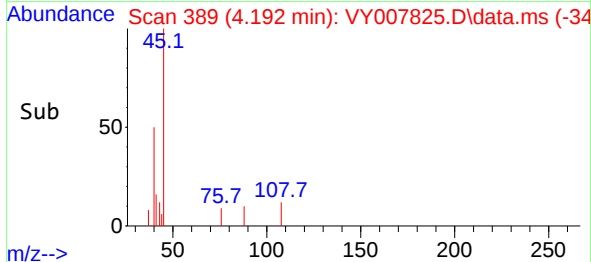
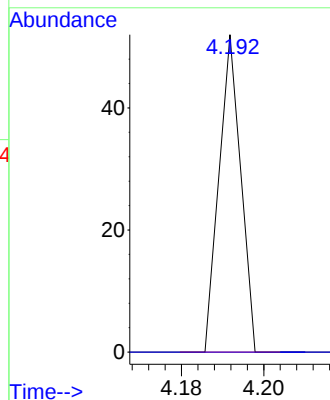
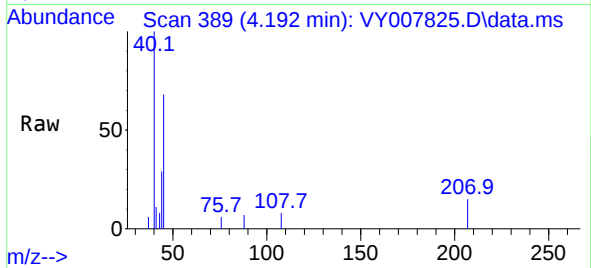




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

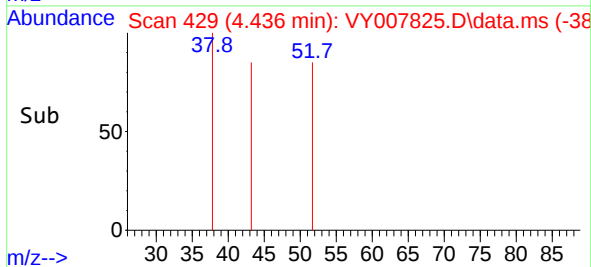
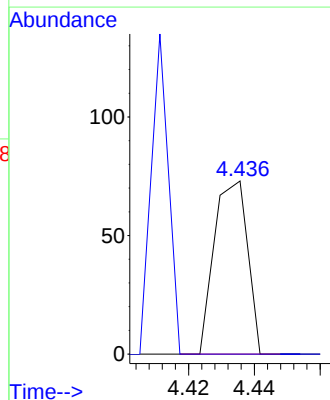
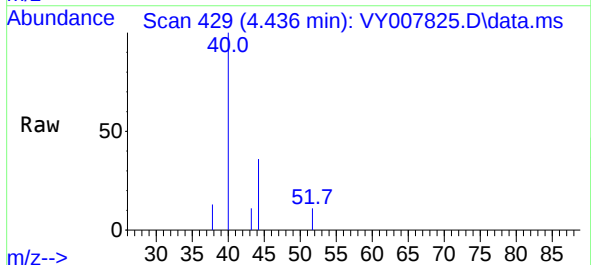
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

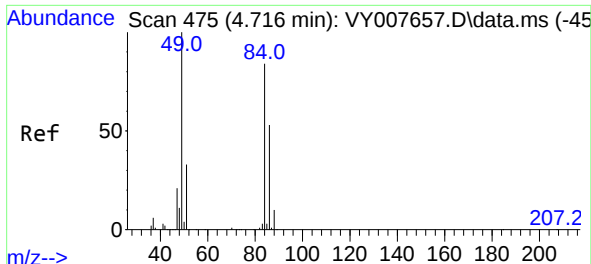
Tgt Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.436 min Scan# 429
Delta R.T. -0.043 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

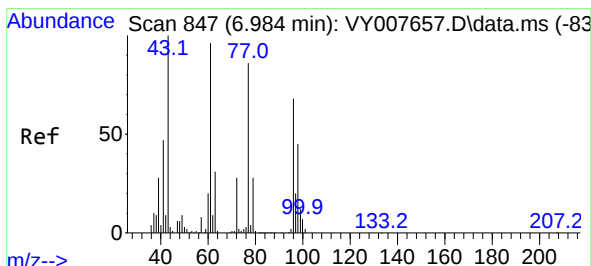
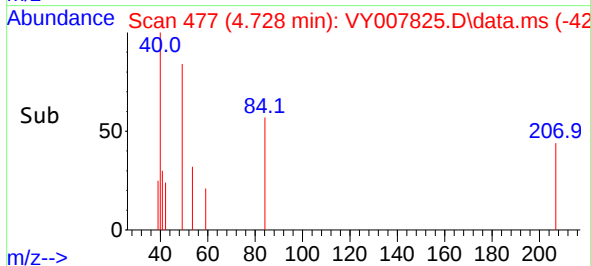
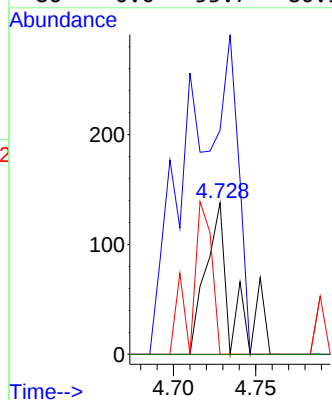
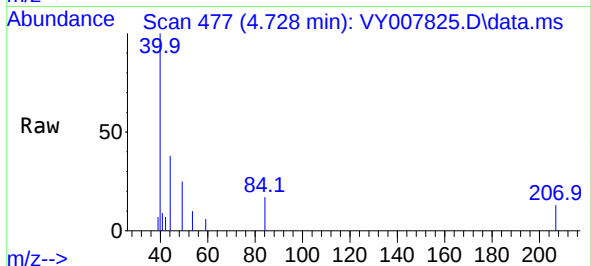




#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

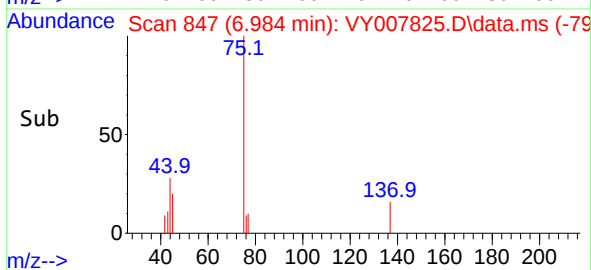
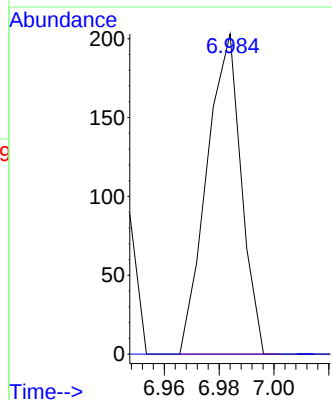
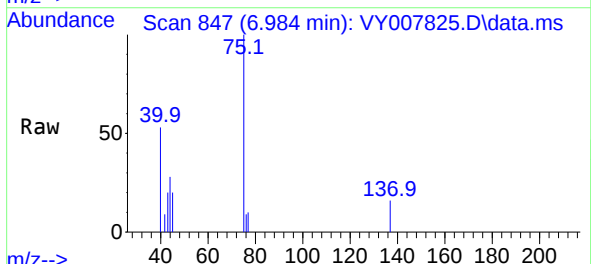
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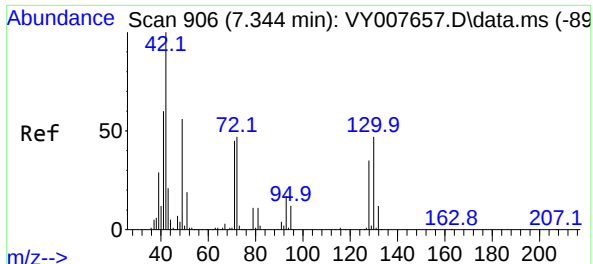
Tgt Ion:	84	Resp:	155
Ion	Ratio	Lower	Upper
84	100		
49	147.8	114.4	171.6
51	0.0	35.3	52.9#
86	0.0	53.7	80.5#



#25
2-Butanone
Concen: 3.768 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:	43	Resp:	177
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

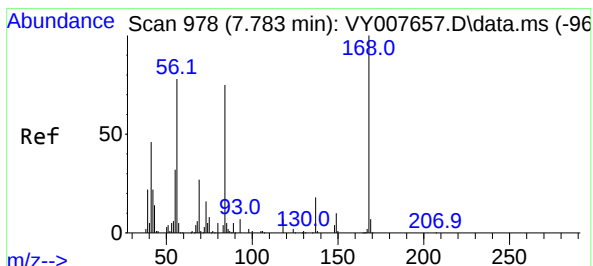
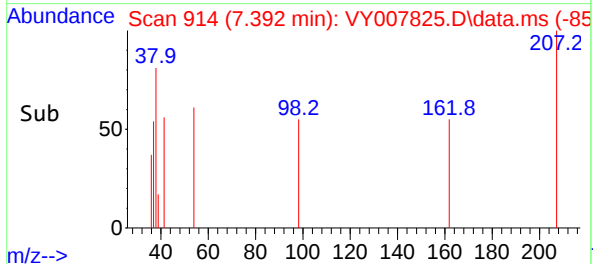
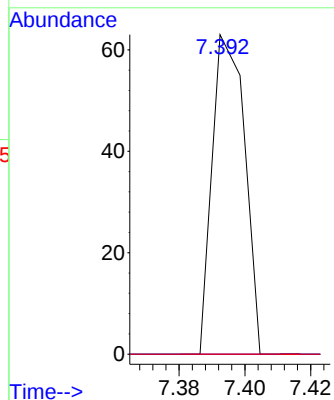
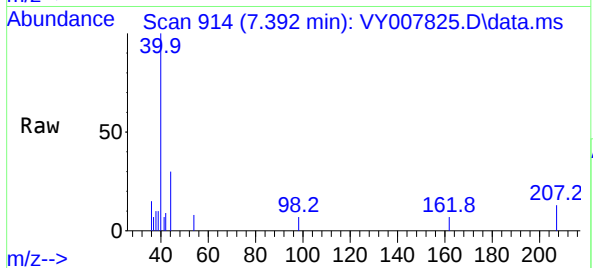




#29
Tetrahydrofuran
Concen: 1.338 ug/l
RT: 7.392 min Scan# 914
Delta R.T. 0.048 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

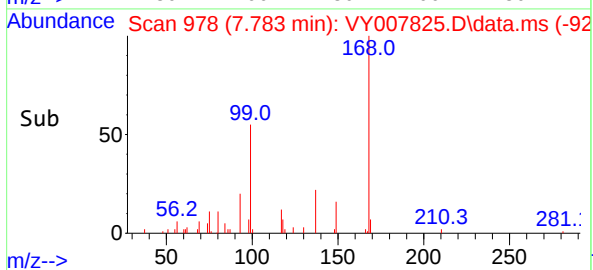
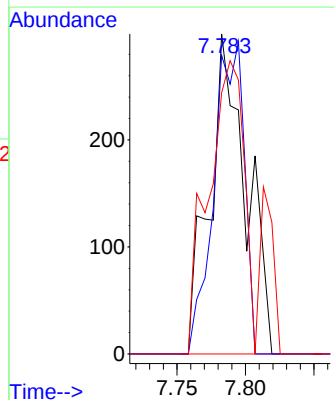
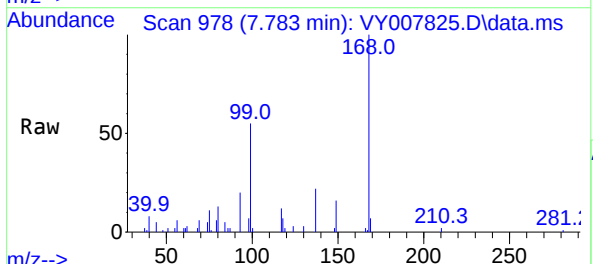
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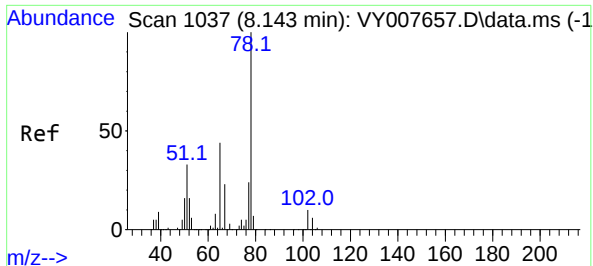
Tgt Ion: 42 Resp: 43
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
69 93.3 26.7 40.1#
84 81.6 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 73.854 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007825.D

Acq: 10 Mar 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

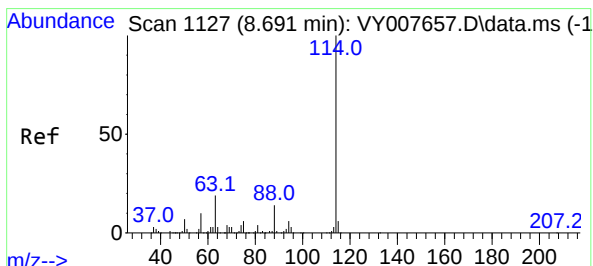
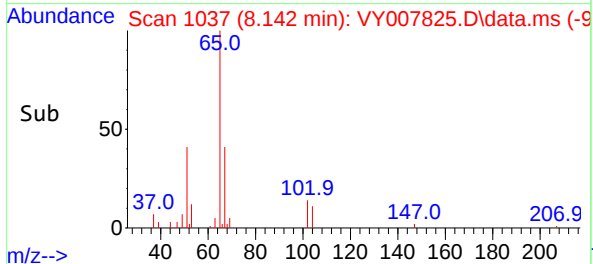
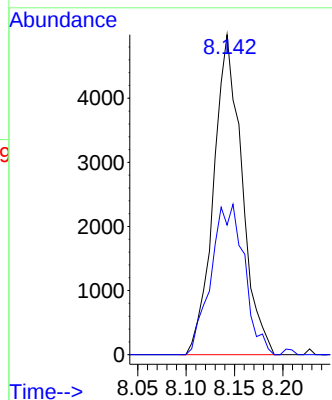
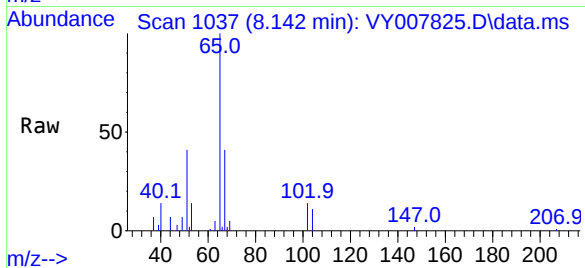
DUM-26RE

Tgt Ion: 65 Resp: 10165

Ion Ratio Lower Upper

65 100

67 55.2 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: VY007825.D

Acq: 10 Mar 2022 15:12

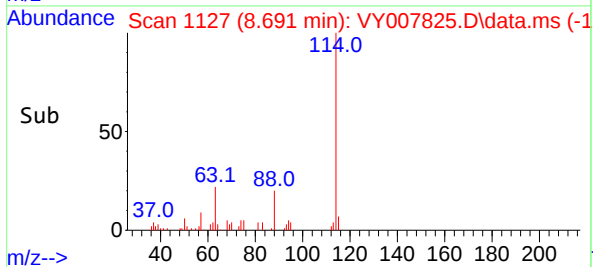
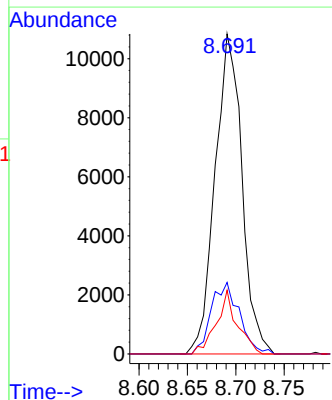
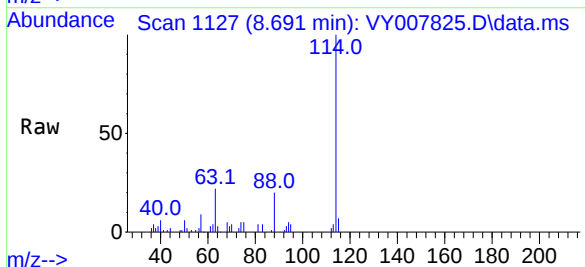
Tgt Ion: 114 Resp: 20893

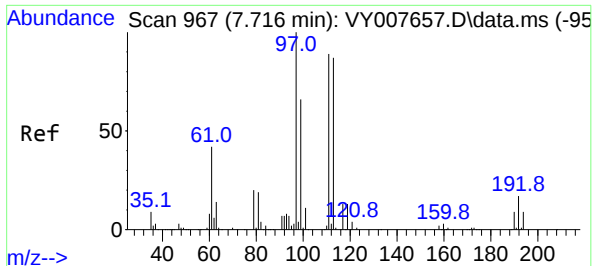
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 19.9 0.0 31.8

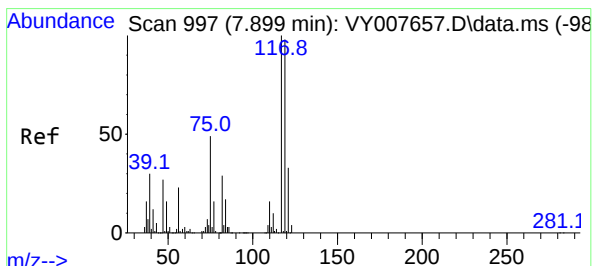
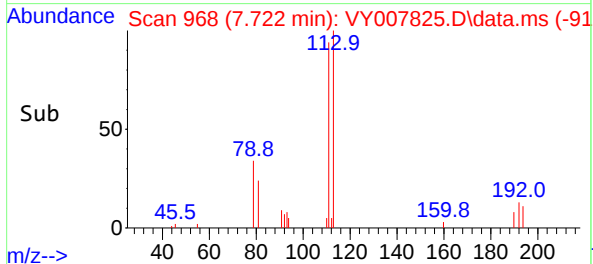
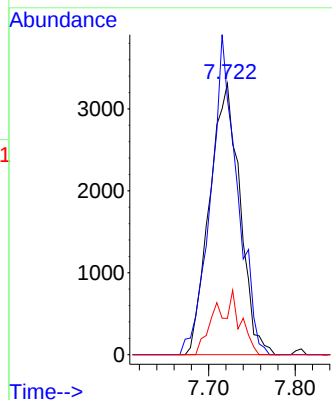
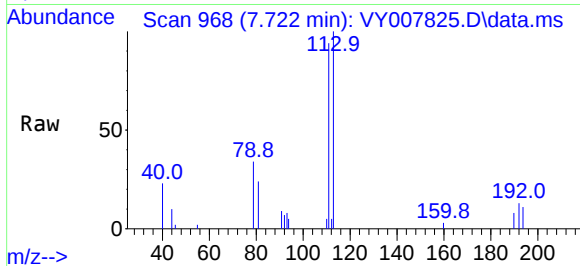




#35
Dibromofluoromethane
Concen: 60.543 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

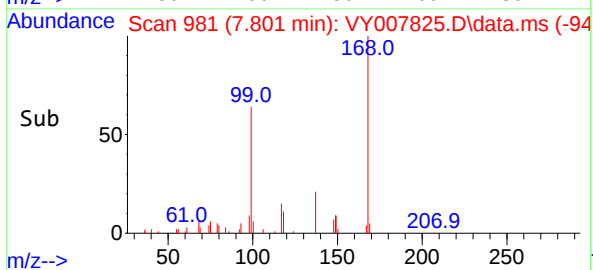
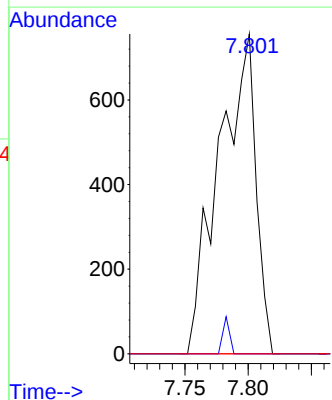
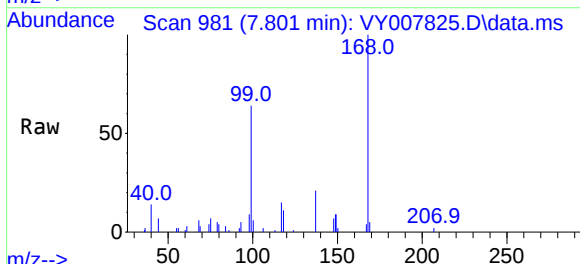
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

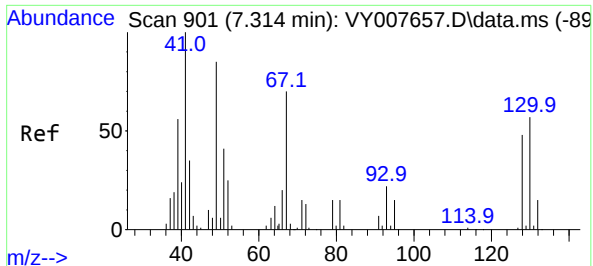
Tgt Ion:113 Resp: 8087
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 10.9 17.6 26.4#



#38
Carbon Tetrachloride
Concen: 6.848 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.098 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:117 Resp: 1535
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

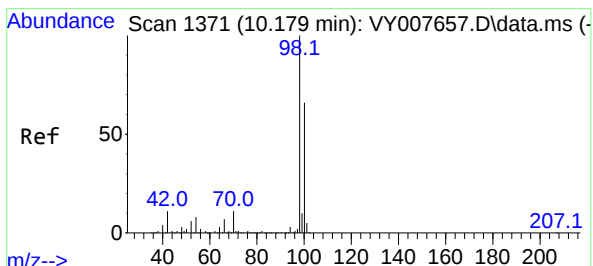
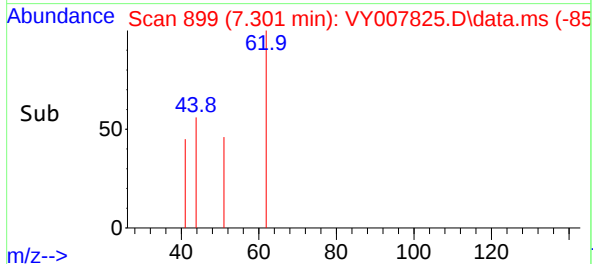
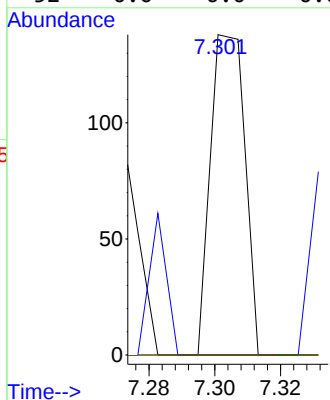
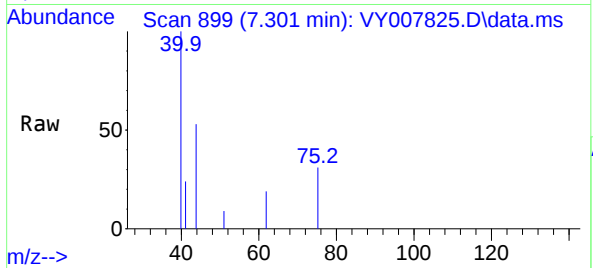




#41
Methacrylonitrile
Concen: 1.803 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.013 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

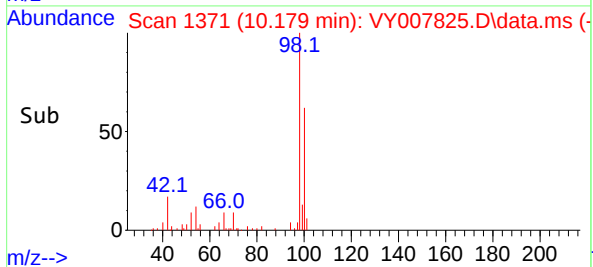
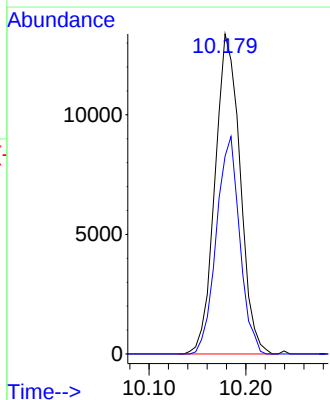
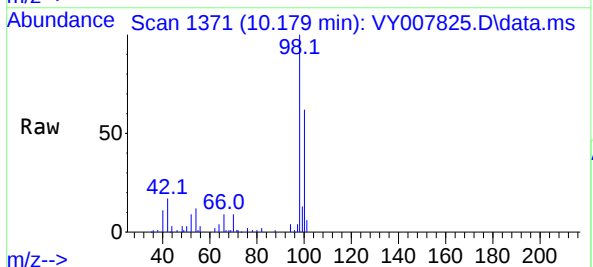
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

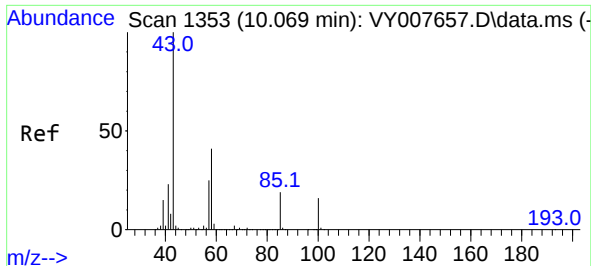
Tgt Ion: 41	Resp: 100
Ion Ratio	Lower Upper
41	100
39	0.0 92.9 139.3#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 48.934 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 98	Resp: 24061
Ion Ratio	Lower Upper
98	100
100	63.2 50.2 75.2

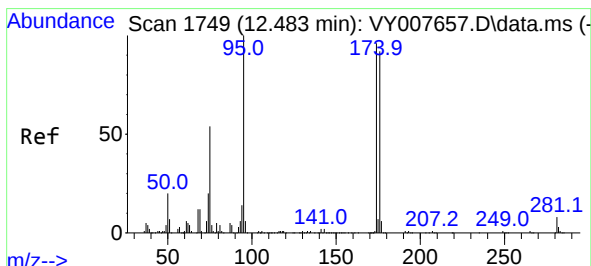
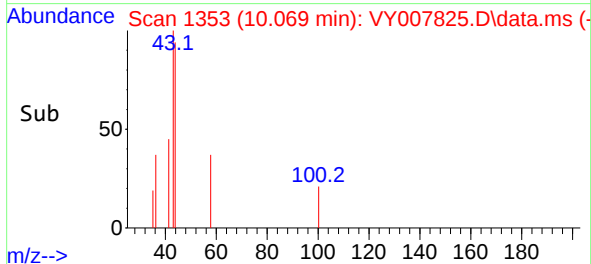
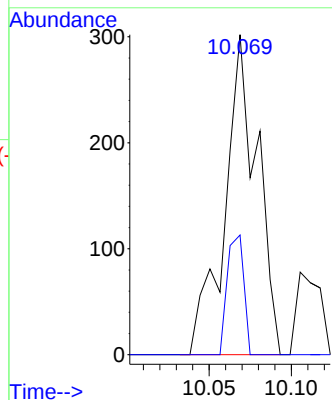
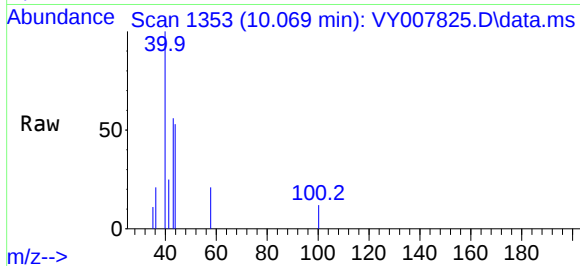




#51
4-Methyl-2-Pentanone
Concen: 3.631 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

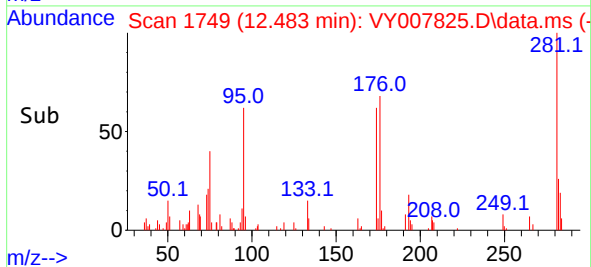
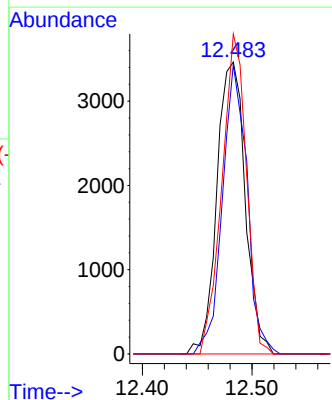
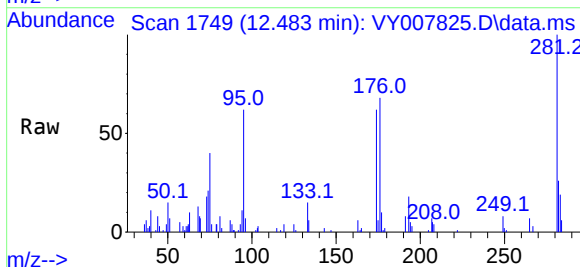
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

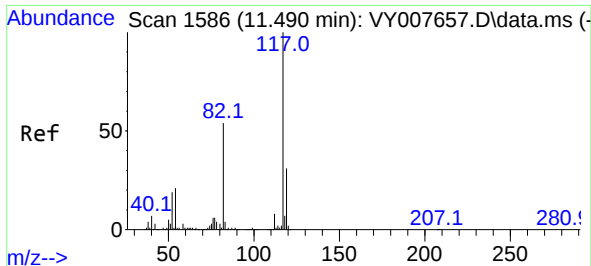
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 18.9 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 39.187 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 95 Resp: 6211
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 95.1 0.0 175.8

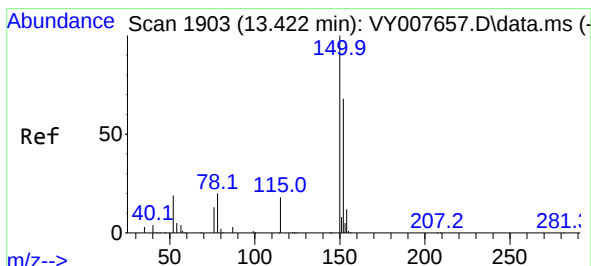
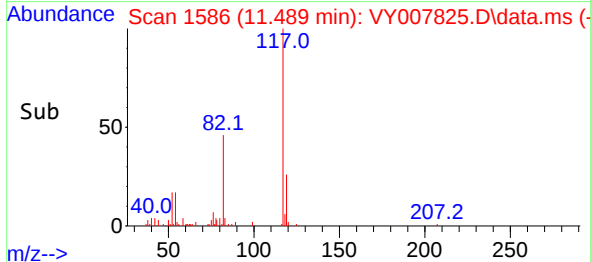
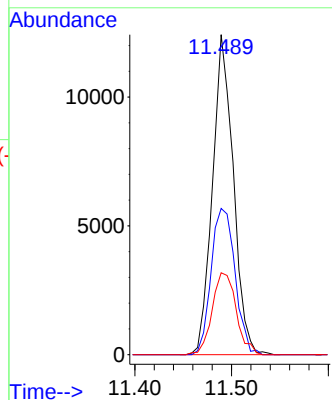
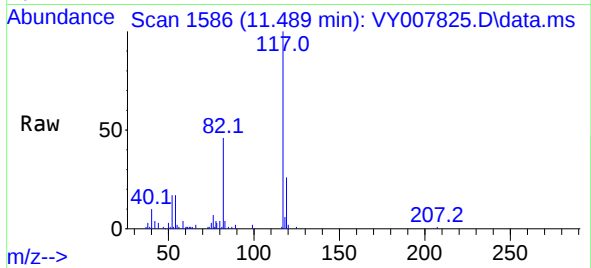




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

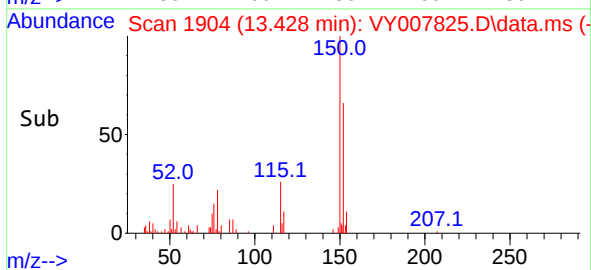
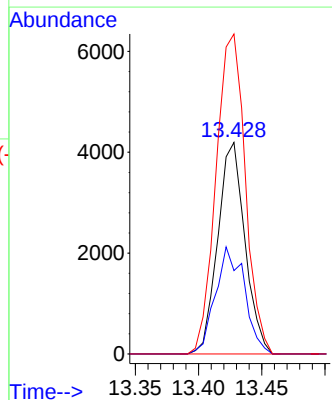
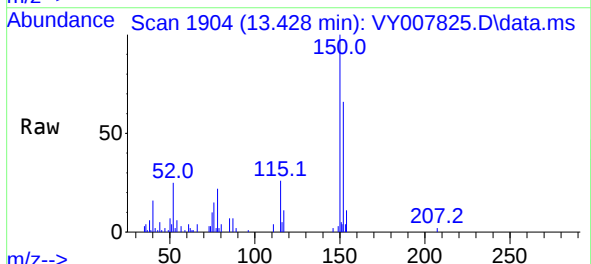
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

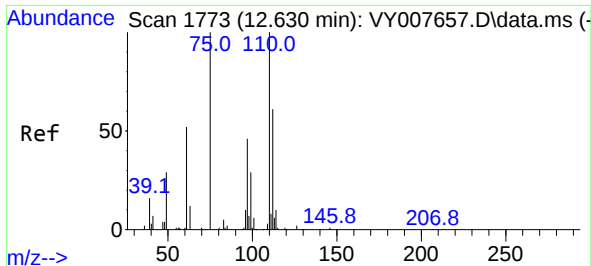
Tgt Ion:	117	Resp:	18603
Ion	Ratio	Lower	Upper
117	100		
82	45.7	43.0	64.4
119	25.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:	152	Resp:	6264
Ion	Ratio	Lower	Upper
152	100		
115	54.2	28.2	84.7
150	163.0	0.0	347.6

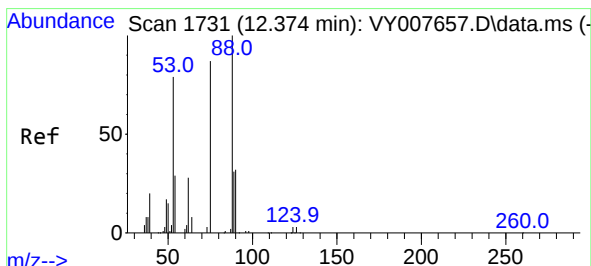
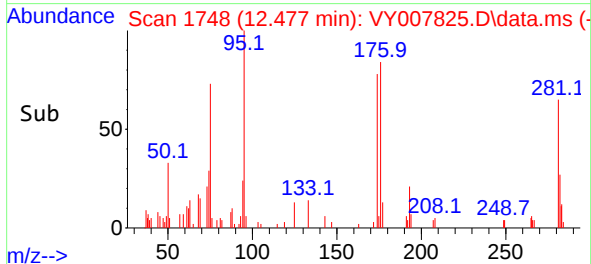
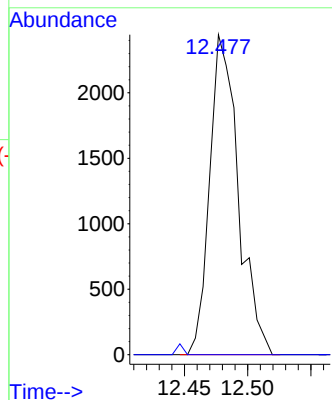
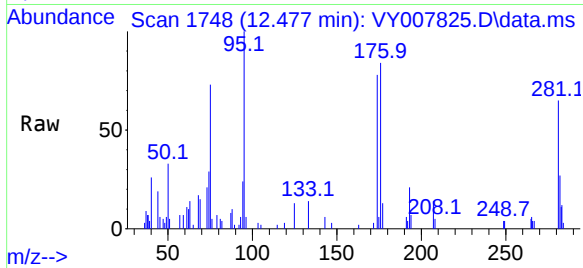




#76
1,2,3-Trichloropropane
Concen: 55.008 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

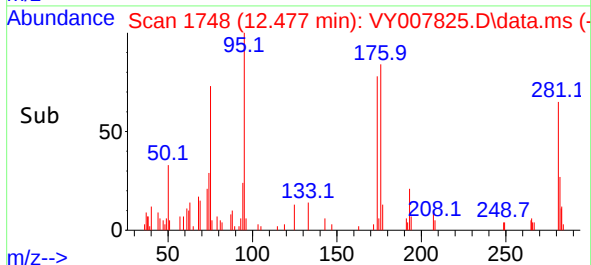
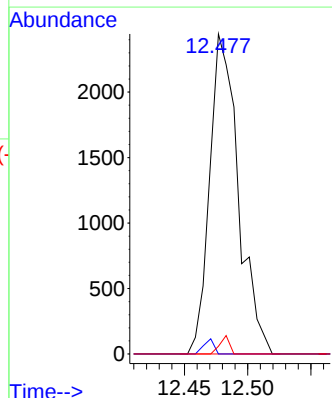
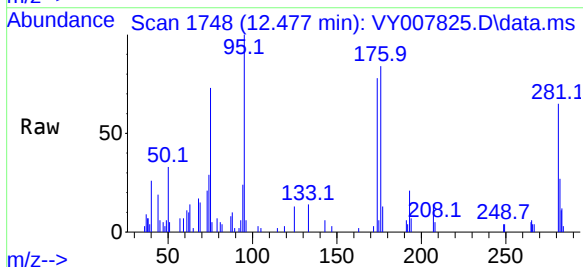
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

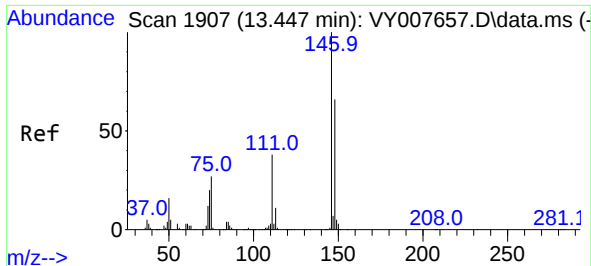
Tgt Ion: 75 Resp: 3848
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.456 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion: 75 Resp: 3848
Ion Ratio Lower Upper
75 100
53 1.7 85.3 127.9#
89 1.9 37.0 55.4#

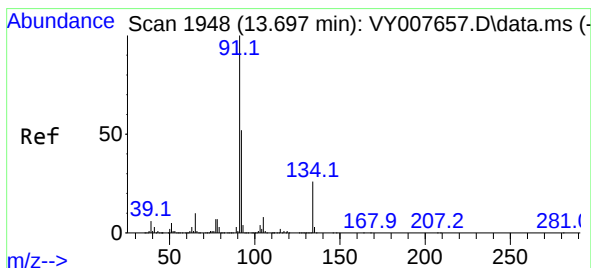
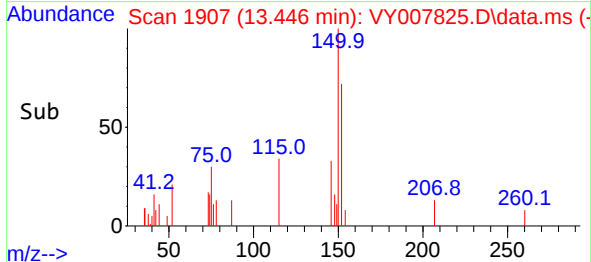
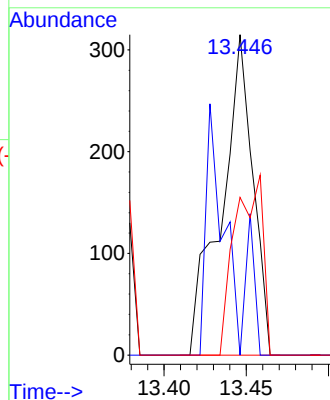
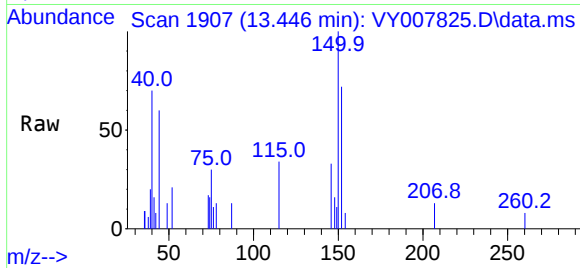




#88
1,4-Dichlorobenzene
Concen: 1.903 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.001 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

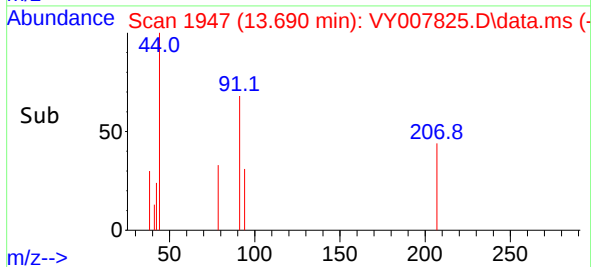
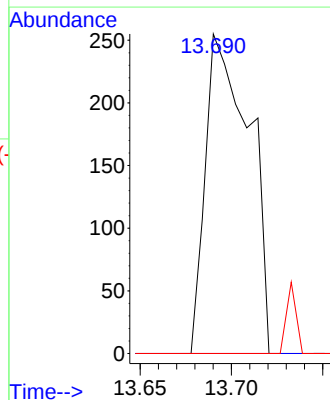
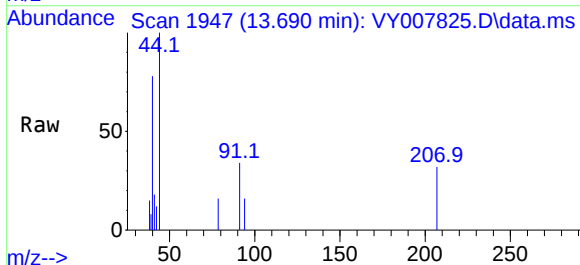
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

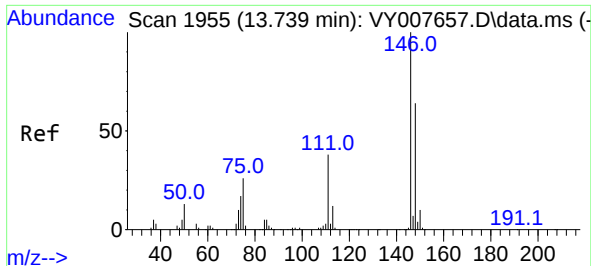
Tgt Ion:	146	Resp:	420
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.8#
148	49.8	32.6	97.8



#89
n-Butylbenzene
Concen: 1.023 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.007 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:	91	Resp:	424
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.3	78.9#
134	0.0	13.0	38.9#





#91

1,2-Dichlorobenzene

Concen: 1.566 ug/l

RT: 13.763 min Scan# 1955

Delta R.T. 0.024 min

Lab File: VY007825.D

Acq: 10 Mar 2022 15:12

Instrument :

MSVOA_Y

ClientSampleId :

DUM-26RE

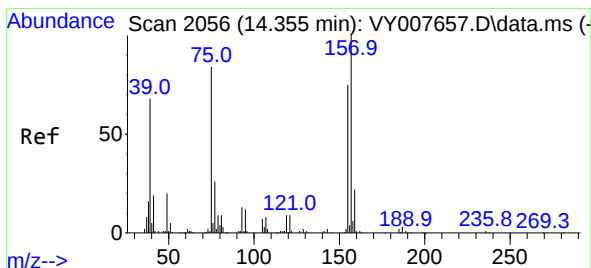
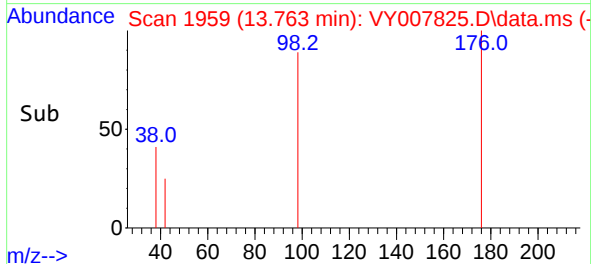
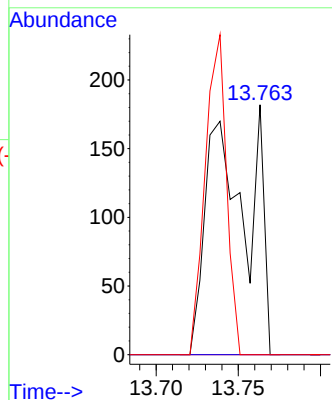
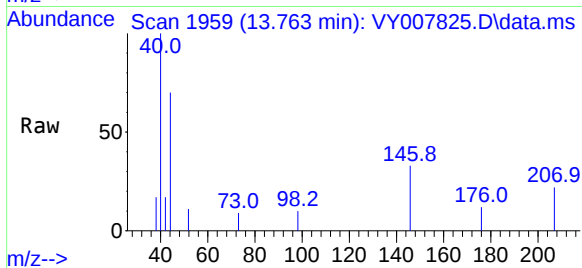
Tgt Ion:146 Resp: 311

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 0.0 32.3 96.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.613 ug/l

RT: 14.446 min Scan# 2071

Delta R.T. 0.091 min

Lab File: VY007825.D

Acq: 10 Mar 2022 15:12

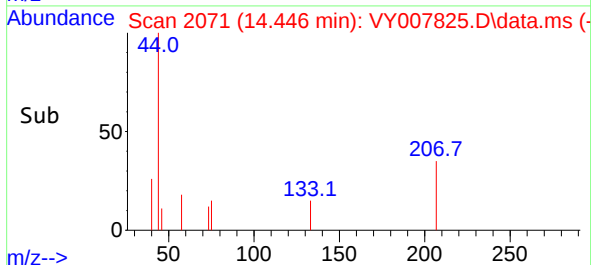
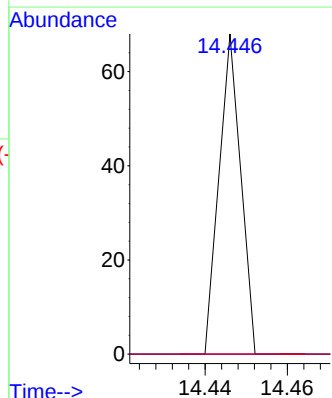
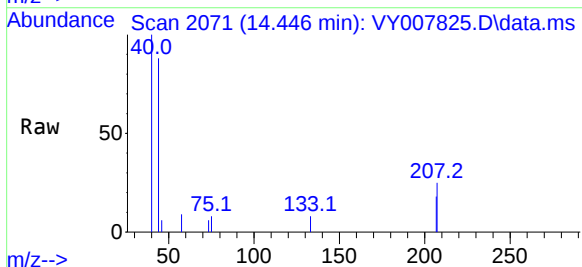
Tgt Ion: 75 Resp: 25

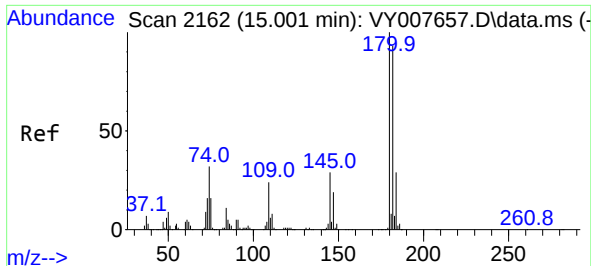
Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#

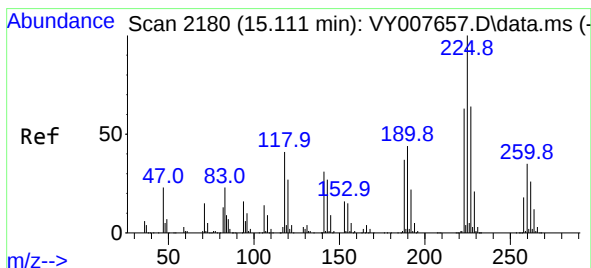
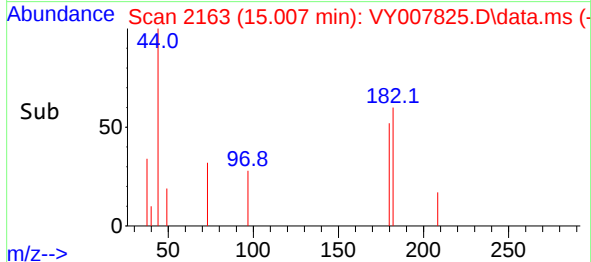
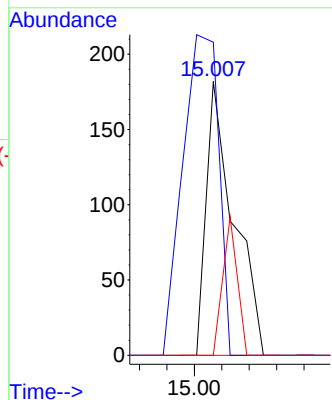
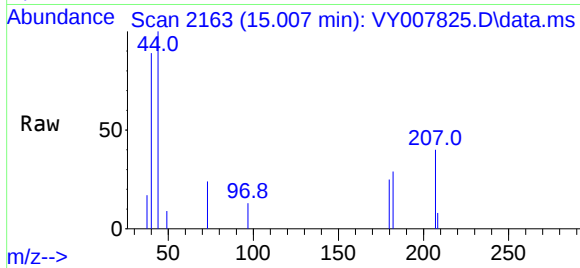




#93
1,2,4-Trichlorobenzene
Concen: 1.010 ug/l
RT: 15.007 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

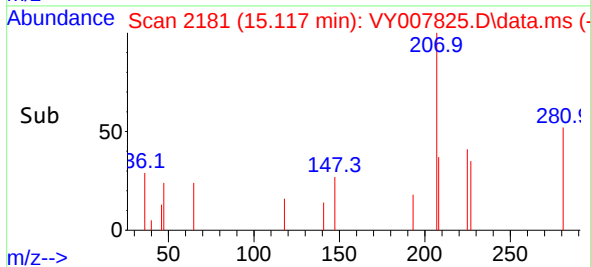
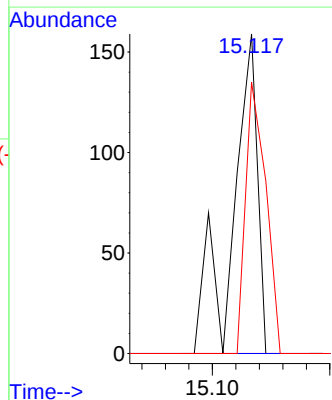
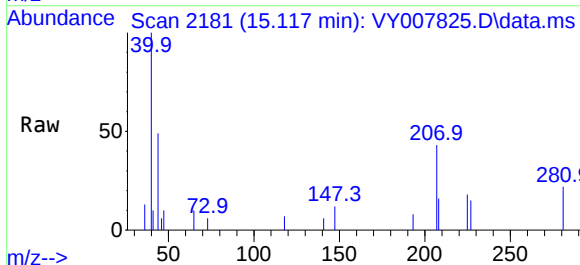
Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

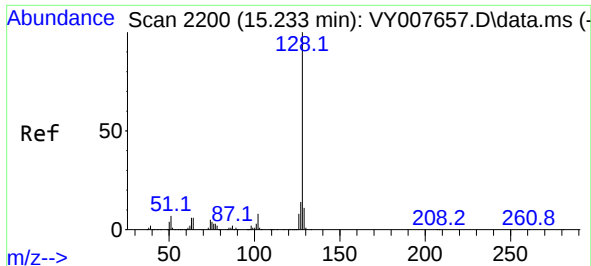
Tgt Ion:180 Resp: 127
Ion Ratio Lower Upper
180 100
182 152.8 47.3 141.9#
145 26.8 14.6 43.8



#94
Hexachlorobutadiene
Concen: 1.574 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:225 Resp: 117
Ion Ratio Lower Upper
225 100
223 0.0 30.8 92.3#
227 69.2 31.6 94.7

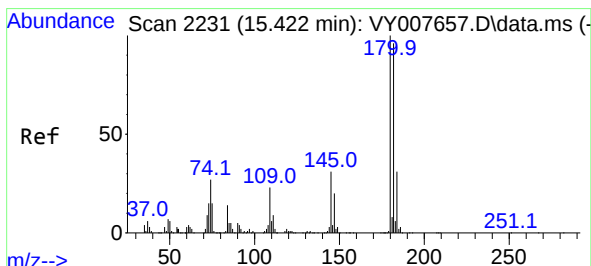
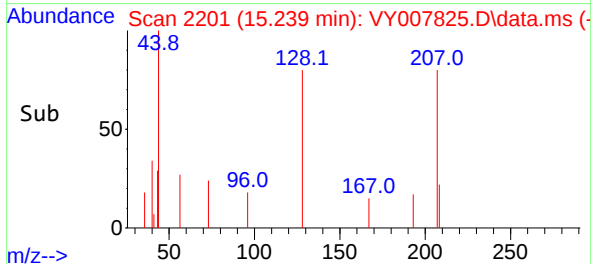
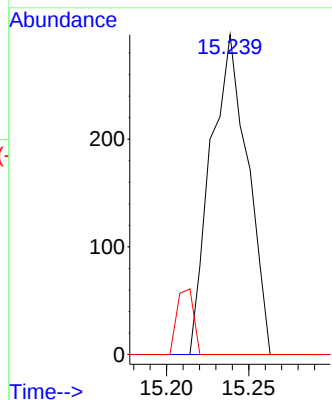
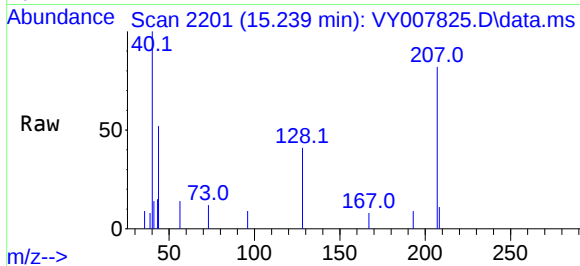




#95
Naphthalene
Concen: 1.814 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Instrument :
MSVOA_Y
ClientSampleId :
DUM-26RE

Tgt Ion:128 Resp: 464
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 2.606 ug/l
RT: 15.421 min Scan# 2231
Delta R.T. -0.001 min
Lab File: VY007825.D
Acq: 10 Mar 2022 15:12

Tgt Ion:180 Resp: 292
Ion Ratio Lower Upper
180 100
182 36.3 47.3 141.9#
145 0.0 15.3 45.9#

