

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032922\
 Data File : VY008087.D
 Acq On : 29 Mar 2022 15:15
 Operator : SY/MD
 Sample : N2155-08
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 30 04:00:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

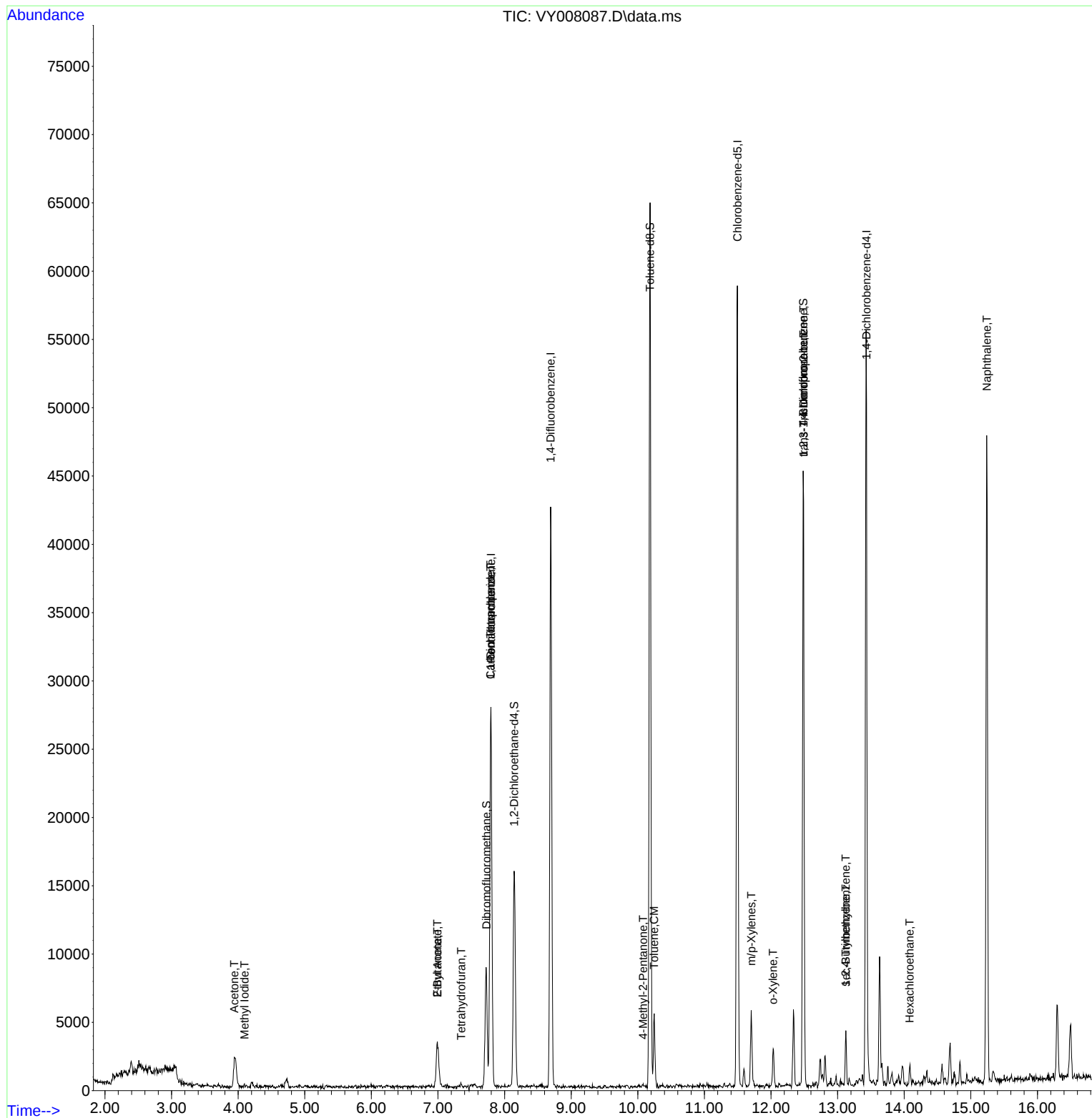
Internal Standards						
1) Pentafluorobenzene	7.795	168	21625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	38333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	34108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	14168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12473	57.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.980%			
35) Dibromofluoromethane	7.728	113	6105	25.402	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 50.800%#			
50) Toluene-d8	10.185	98	44593	49.248	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.483	95	14425	45.155	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.320%			
Target Compounds						Qvalue
10) Methyl Iodide	4.094	142	44	1.844	ug/l #	35
16) Acetone	3.942	43	4176	84.208	ug/l	96
18) Methyl Acetate	4.216	43	19	Below Cal	#	56
20) Methylene Chloride	4.735	84	407	Below Cal	#	59
25) 2-Butanone	6.990	43	5875	77.848	ug/l #	83
29) Tetrahydrofuran	7.350	42	91	1.855	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	1555	4.119	ug/l #	44
37) Ethyl Acetate	6.990	43	5875	33.312	ug/l #	72
38) Carbon Tetrachloride	7.789	117	2284	5.552	ug/l #	11
51) 4-Methyl-2-Pentanone	10.081	43	192	1.100	ug/l #	40
52) Toluene	10.246	92	2343	3.308	ug/l	96
68) m/p-Xylenes	11.703	106	1559	2.909	ug/l	99
69) o-Xylene	12.032	106	718	1.399	ug/l	100
76) 1,2,3-Trichloropropane	12.489	75	7650	44.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	7650	98.827	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	2374	2.545	ug/l	99
85) sec-Butylbenzene	13.123	105	2374	1.884	ug/l #	56
90) Hexachloroethane	14.080	117	874	4.302	ug/l #	6
95) Naphthalene	15.239	128	39215	63.252	ug/l	98

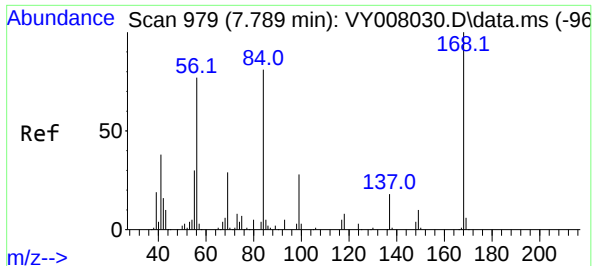
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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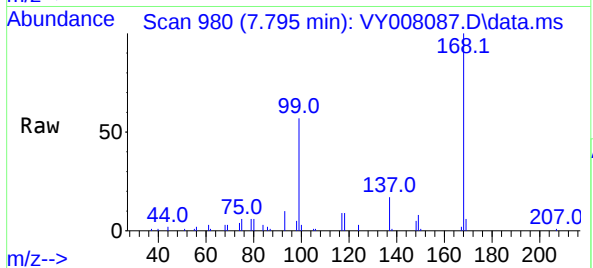
Quant Time: Mar 30 04:00:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 26 03:24:51 2022
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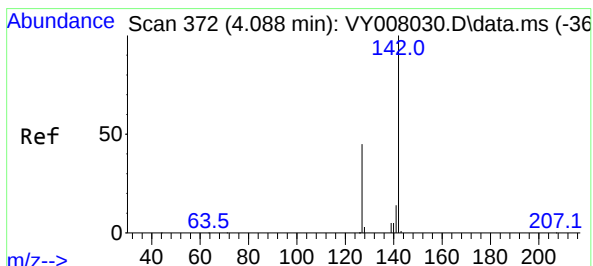
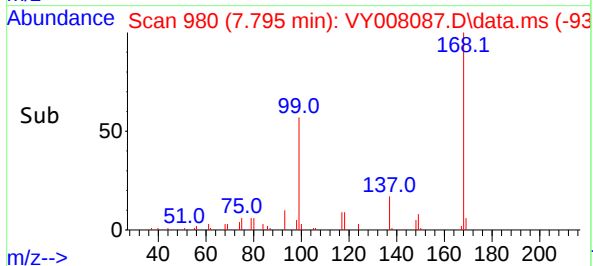
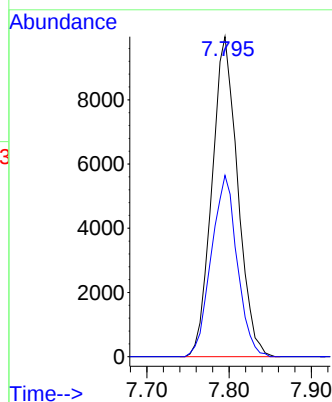


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

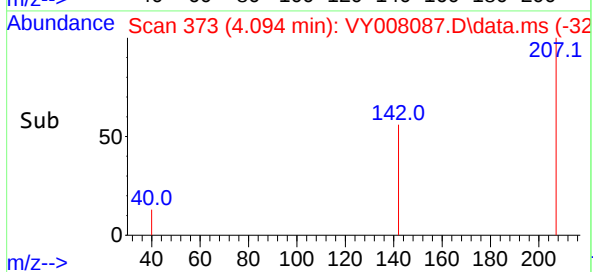
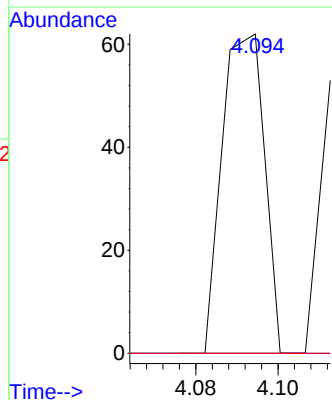
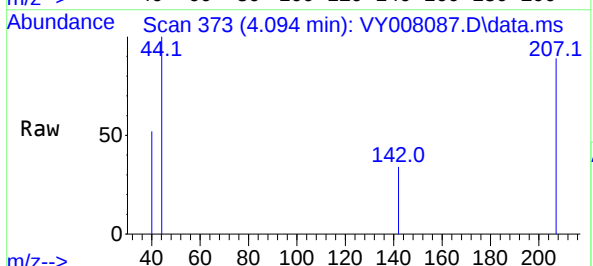


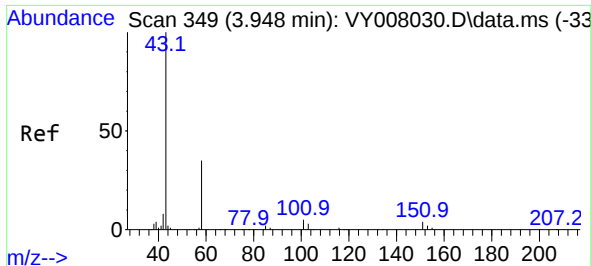
Tgt Ion:168 Resp: 21625
Ion Ratio Lower Upper
168 100
99 56.6 46.9 70.3



#10
Methyl Iodide
Concen: 1.844 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

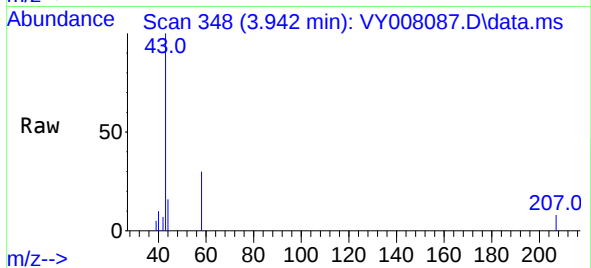
Tgt Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



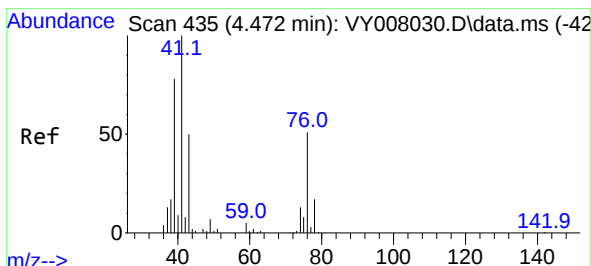
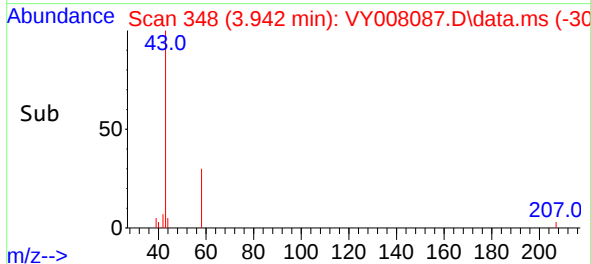
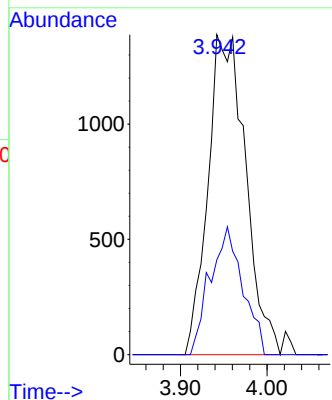


#16
Acetone
Concen: 84.208 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

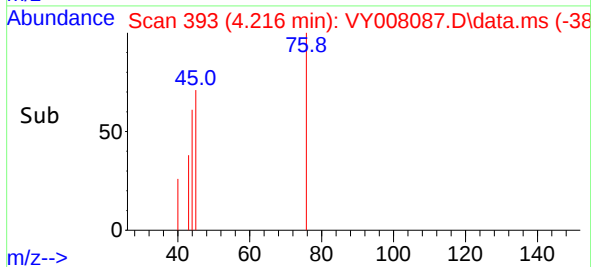
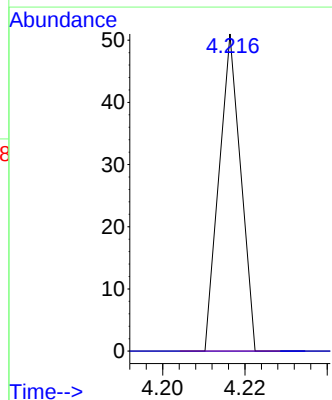
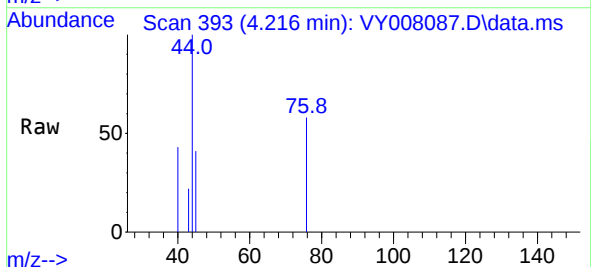


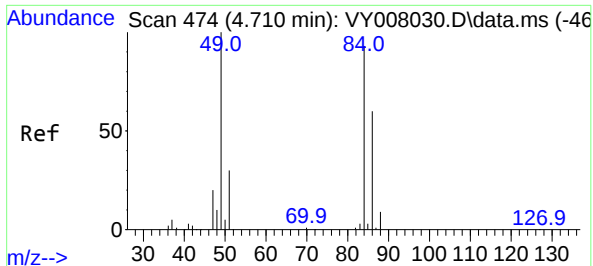
Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
58 29.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.216 min Scan# 393
Delta R.T. -0.256 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

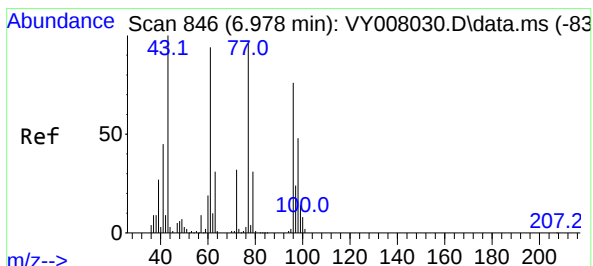
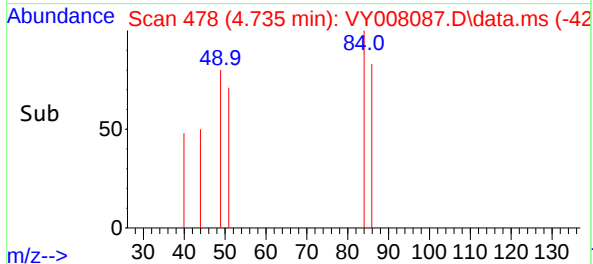
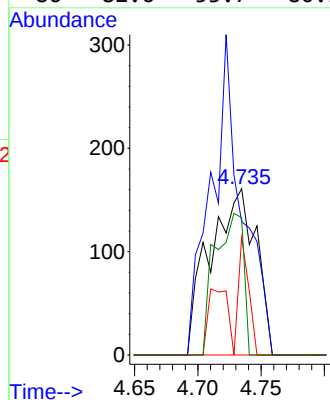
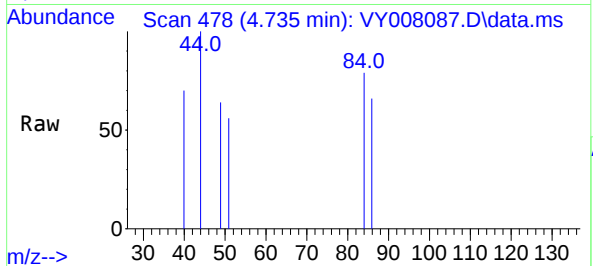




#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

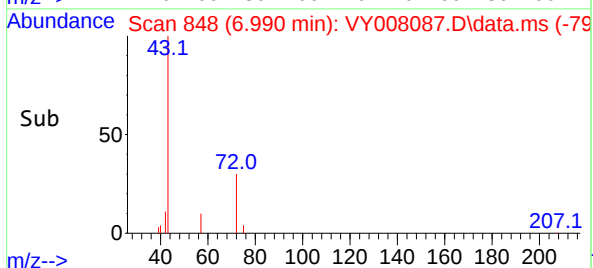
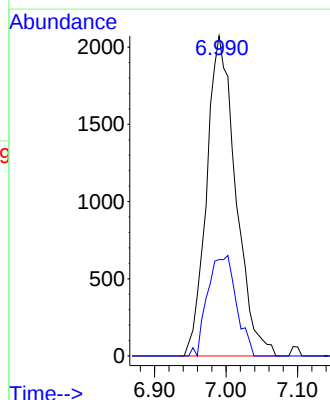
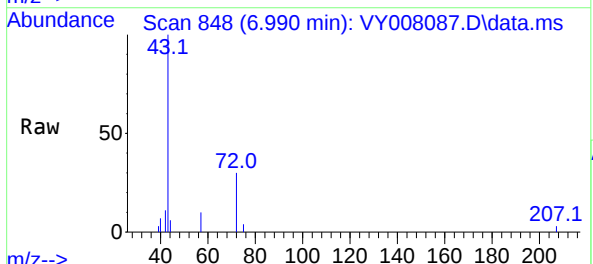
Instrument :
MSVOA_Y
ClientSampleId :

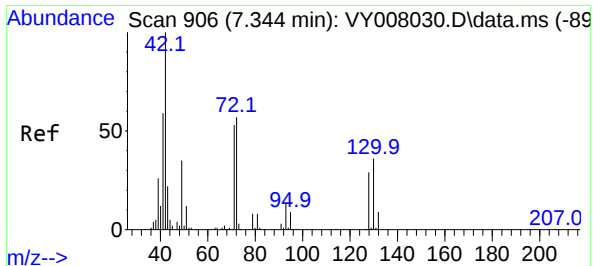
Tgt Ion: 84 Resp: 407
Ion Ratio Lower Upper
84 100
49 80.1 114.4 171.6#
51 70.8 35.3 52.9#
86 82.6 53.7 80.5#



#25
2-Butanone
Concen: 77.848 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

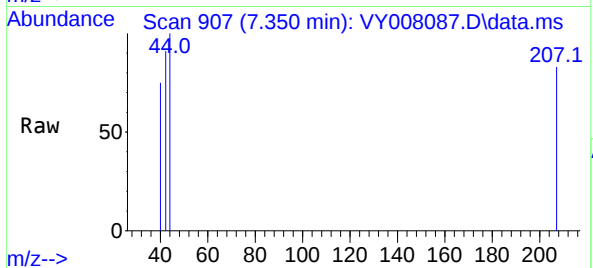
Tgt Ion: 43 Resp: 5875
Ion Ratio Lower Upper
43 100
72 30.1 17.7 26.5#



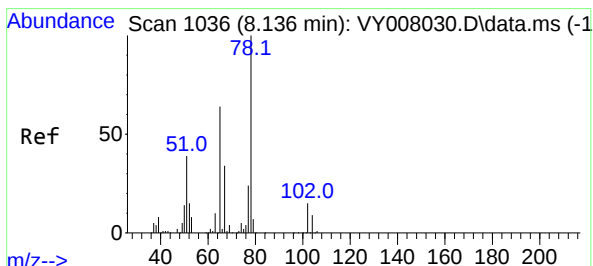
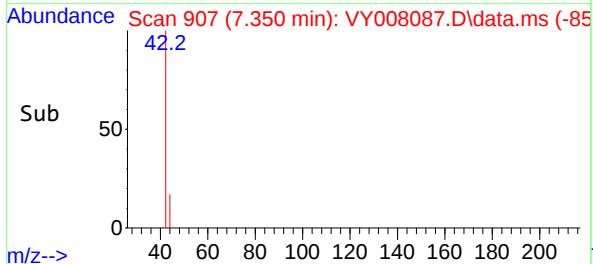
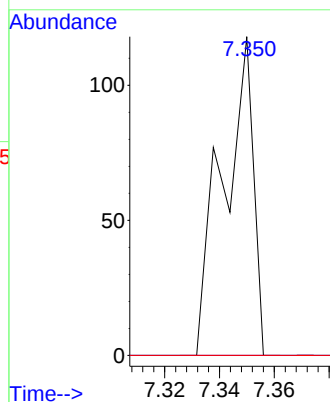


#29
Tetrahydrofuran
Concen: 1.855 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

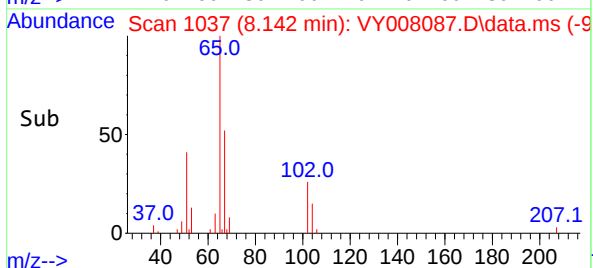
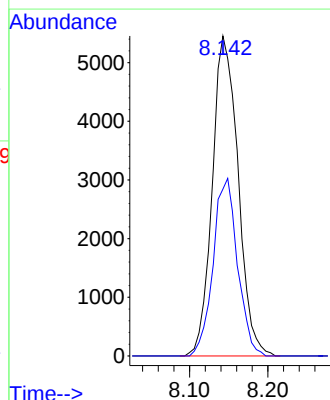
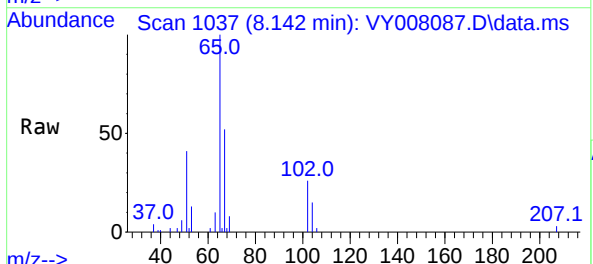


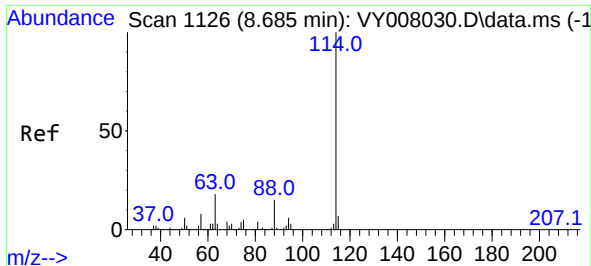
Tgt Ion: 42 Resp: 91
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#



#33
1,2-Dichloroethane-d4
Concen: 57.489 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Tgt Ion: 65 Resp: 12473
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008087.D

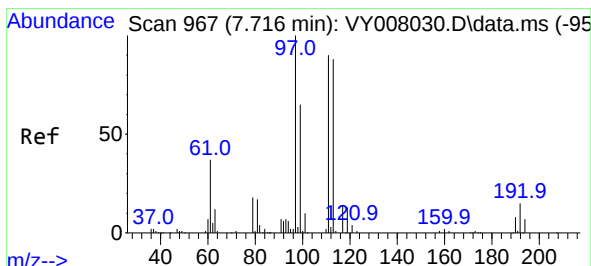
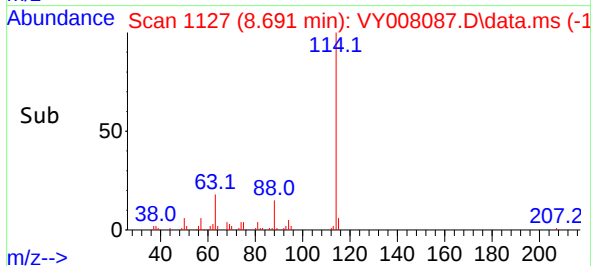
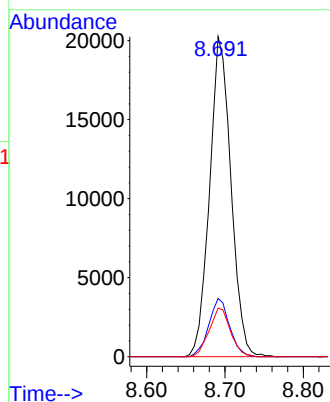
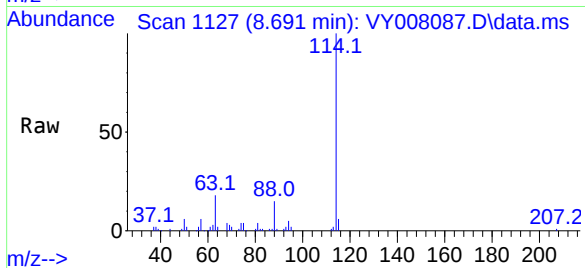
Acq: 29 Mar 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	38333
Ion	Ratio	Lower Upper
114	100	
63	18.2	0.0 43.2
88	15.2	0.0 31.8



#35

Dibromofluoromethane

Concen: 25.402 ug/l

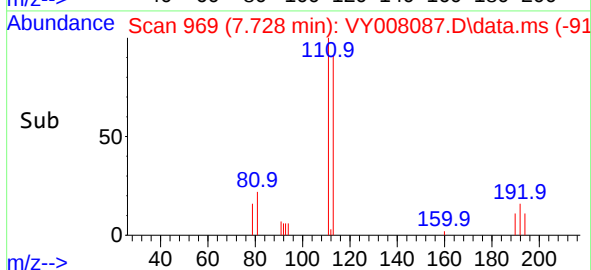
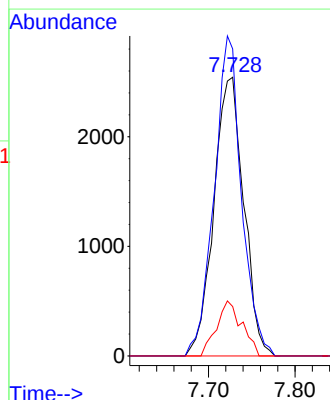
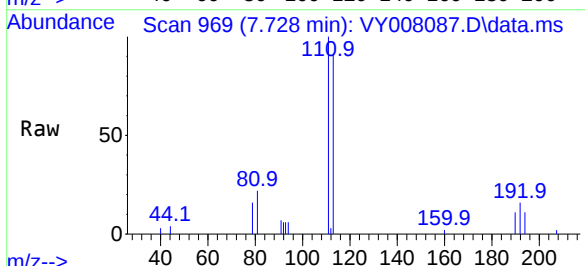
RT: 7.728 min Scan# 969

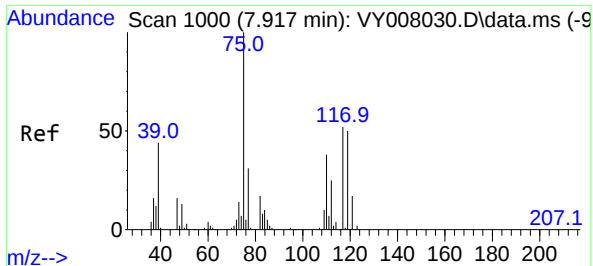
Delta R.T. 0.012 min

Lab File: VY008087.D

Acq: 29 Mar 2022 15:15

Tgt Ion:113	Resp:	6105
Ion	Ratio	Lower Upper
113	100	
111	104.6	82.6 124.0
192	16.7	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.119 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

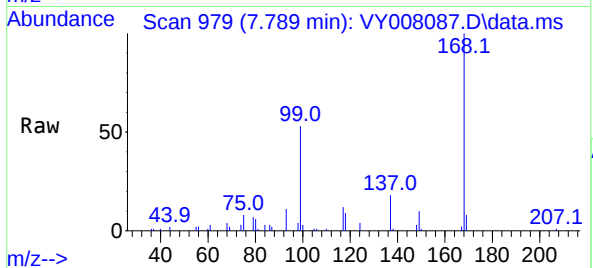
Lab File: VY008087.D

Acq: 29 Mar 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :



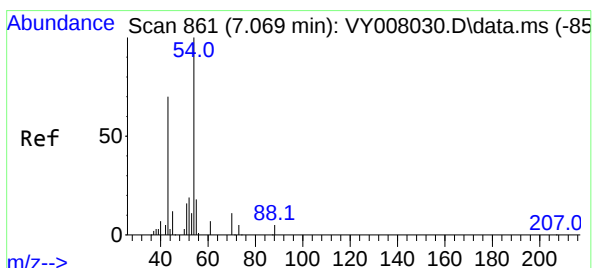
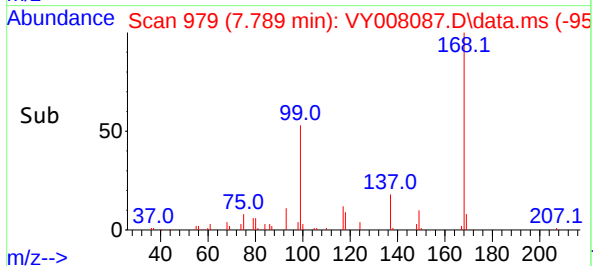
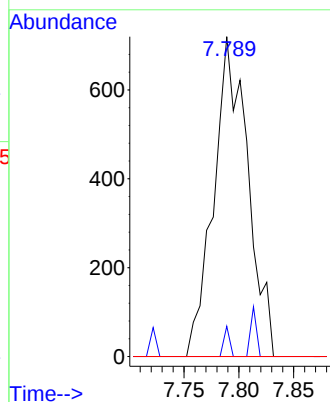
Tgt Ion: 75 Resp: 1555

Ion Ratio Lower Upper

75 100

110 1.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 33.312 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.079 min

Lab File: VY008087.D

Acq: 29 Mar 2022 15:15

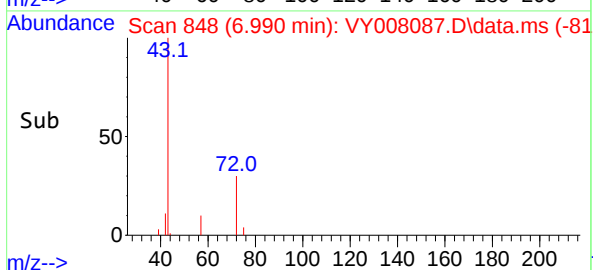
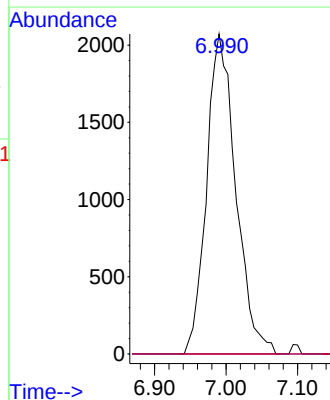
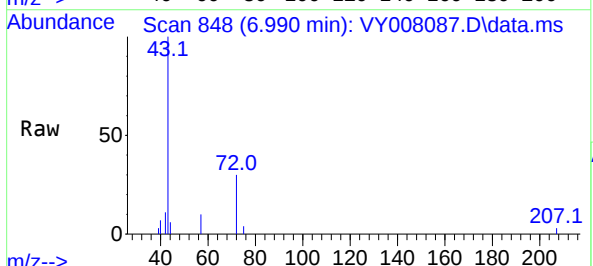
Tgt Ion: 43 Resp: 5875

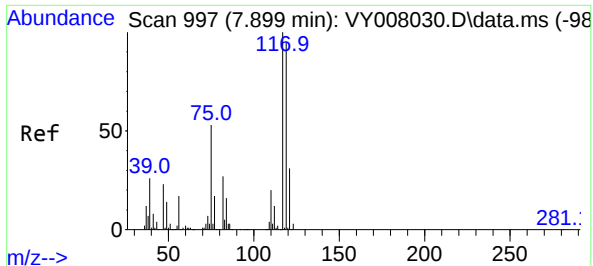
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

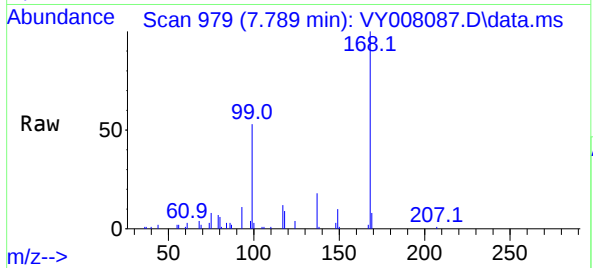
70 0.0 7.1 10.7#



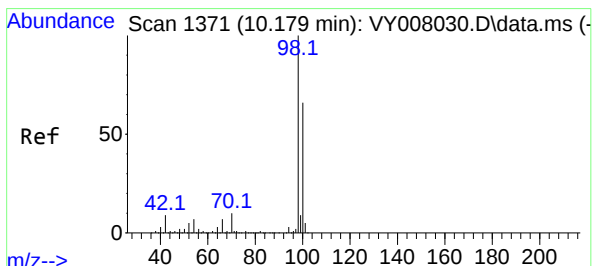
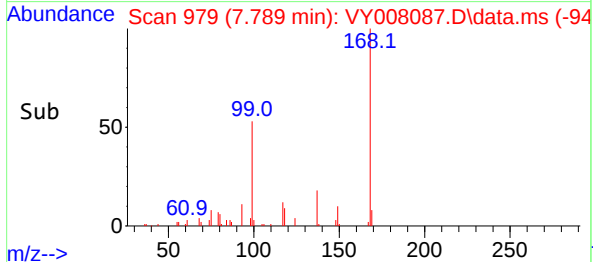
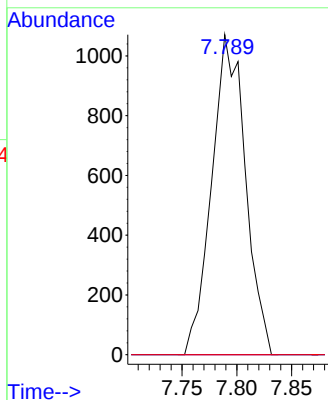


#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

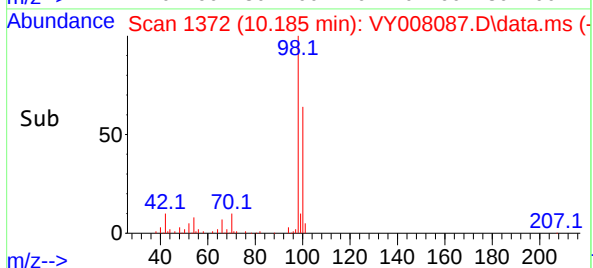
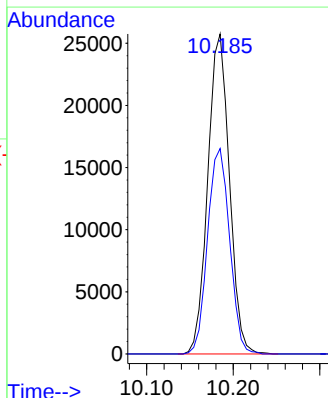
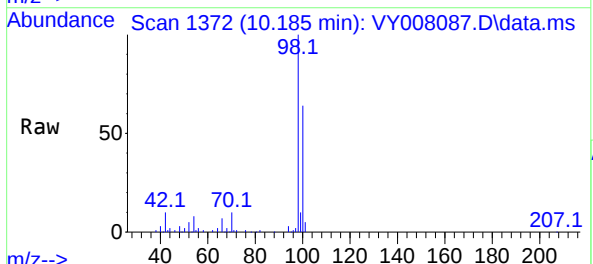


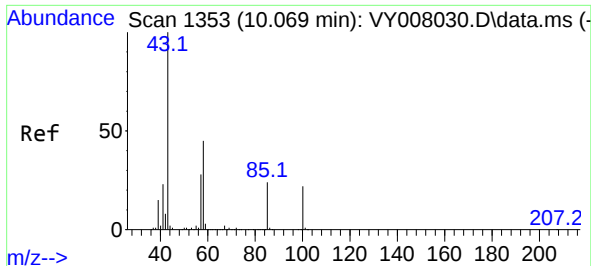
Tgt Ion:117 Resp: 2284
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.248 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Tgt Ion: 98 Resp: 44593
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 1.100 ug/l

RT: 10.081 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY008087.D

Acq: 29 Mar 2022 15:15

Instrument :

MSVOA_Y

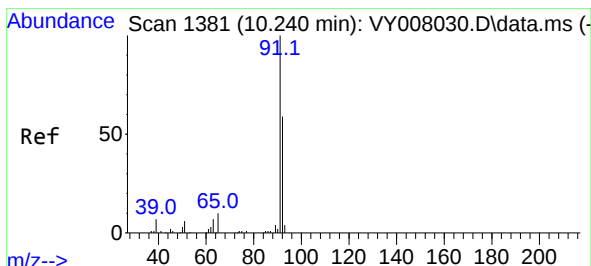
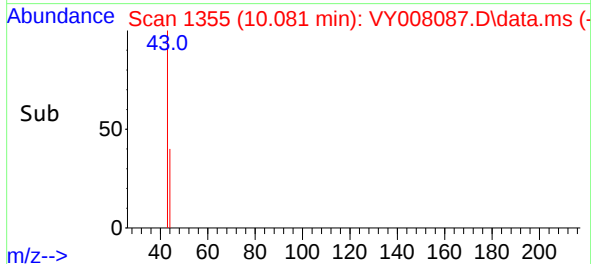
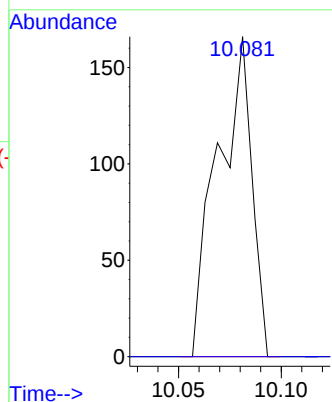
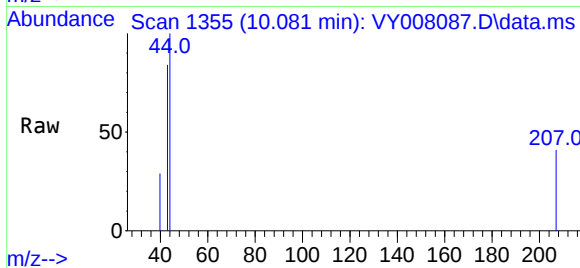
ClientSampleId :

Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

58 0.0 28.1 42.1#



#52

Toluene

Concen: 3.308 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY008087.D

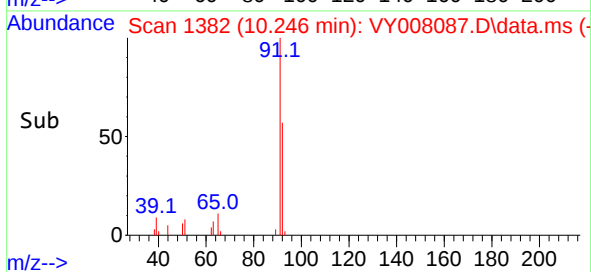
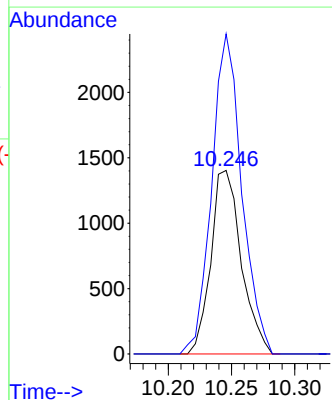
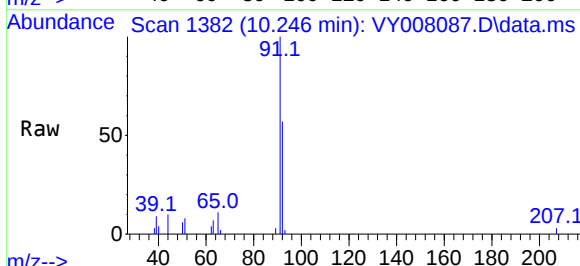
Acq: 29 Mar 2022 15:15

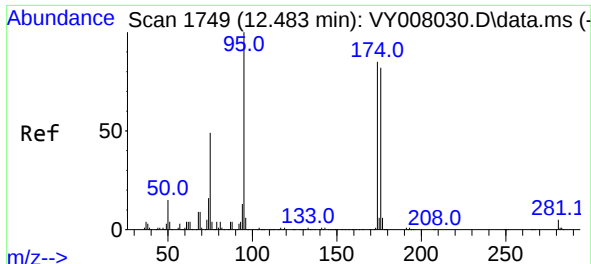
Tgt Ion: 92 Resp: 2343

Ion Ratio Lower Upper

92 100

91 172.5 142.6 213.8

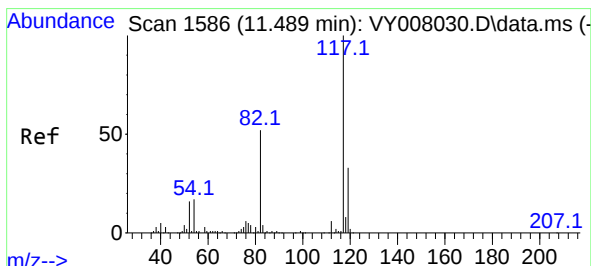
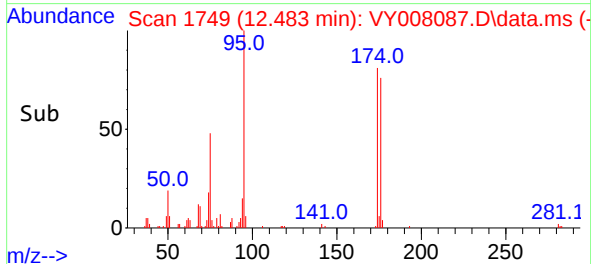
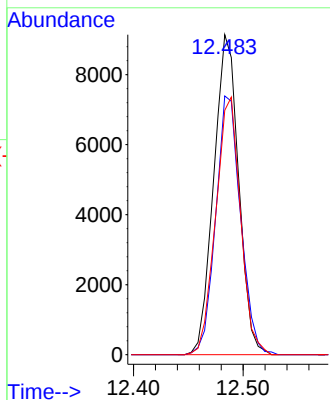
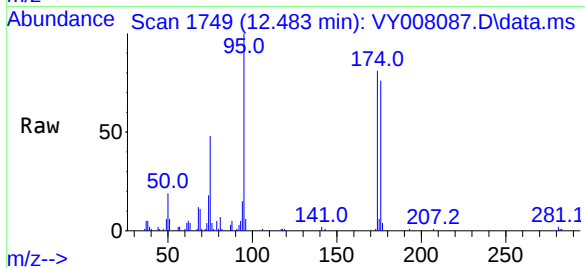




#62
4-Bromofluorobenzene
Concen: 45.155 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

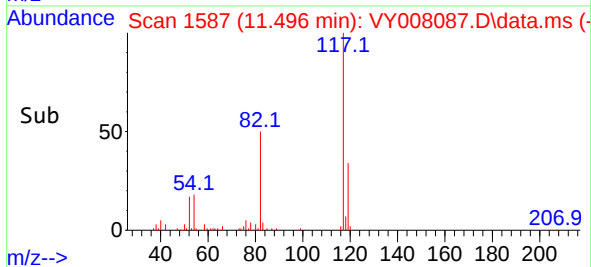
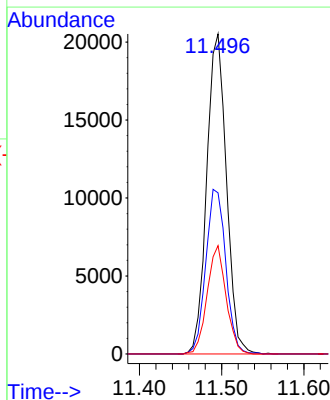
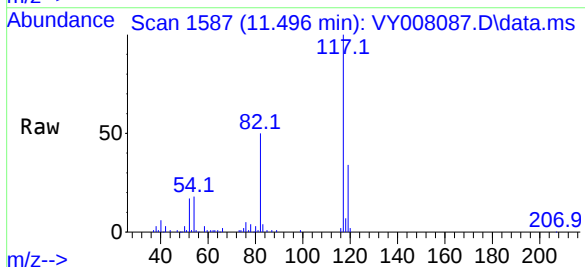
Instrument :
MSVOA_Y
ClientSampleId :

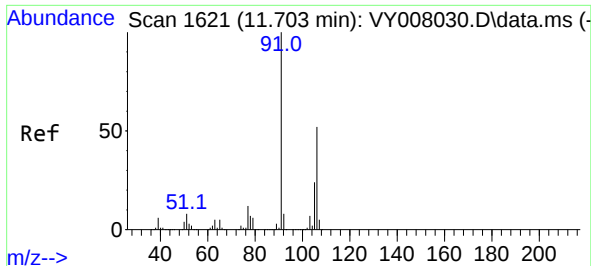
Tgt Ion: 95 Resp: 14425
Ion Ratio Lower Upper
95 100
174 80.7 0.0 177.0
176 80.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Tgt Ion: 117 Resp: 34108
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 33.8 25.4 38.0

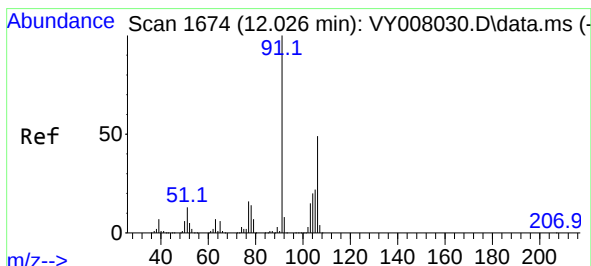
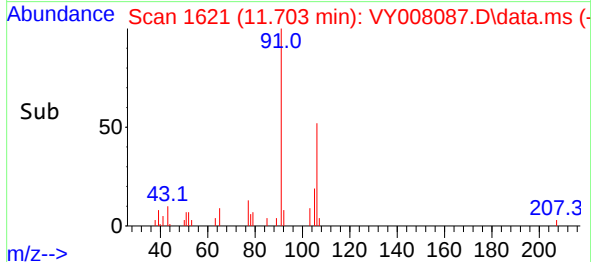
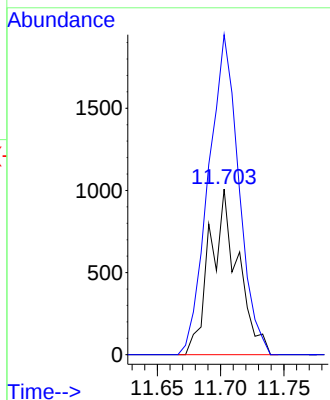
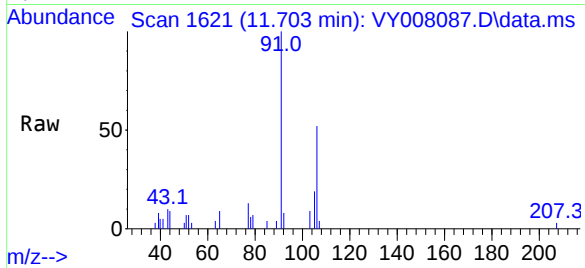




#68
m/p-Xylenes
Concen: 2.909 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

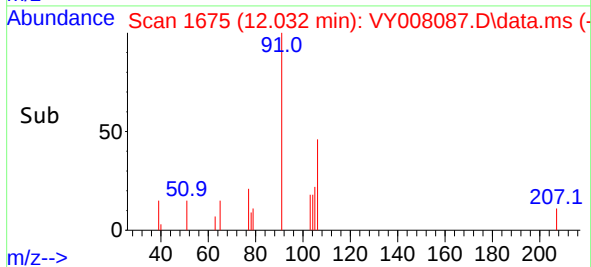
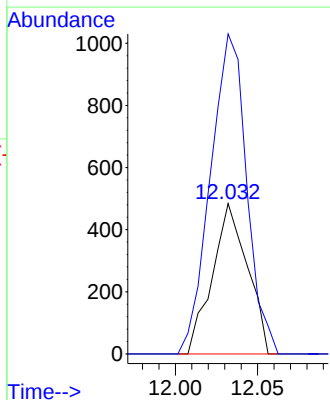
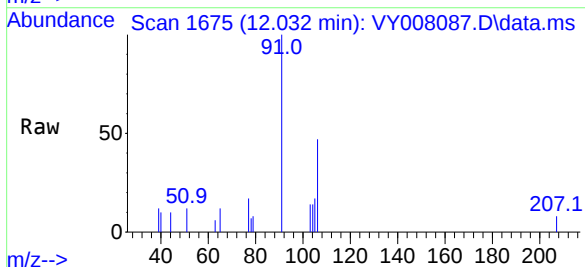
Instrument :
MSVOA_Y
ClientSampleId :

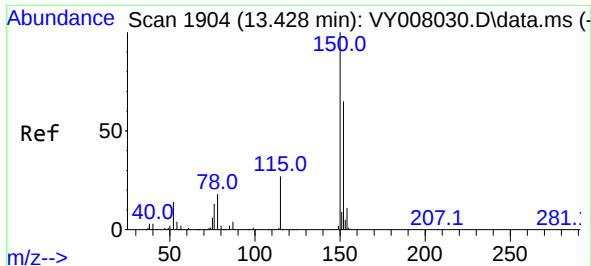
Tgt Ion:106 Resp: 1559
Ion Ratio Lower Upper
106 100
91 209.0 166.6 249.8



#69
o-Xylene
Concen: 1.399 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Tgt Ion:106 Resp: 718
Ion Ratio Lower Upper
106 100
91 219.9 110.3 331.0

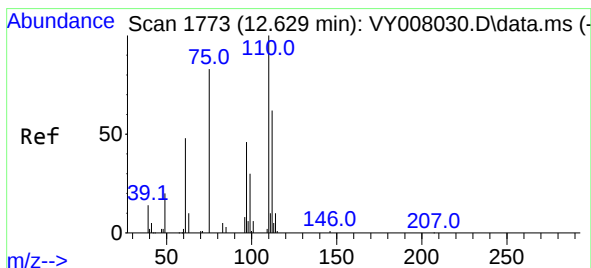
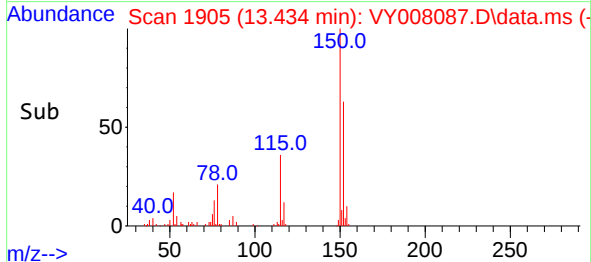
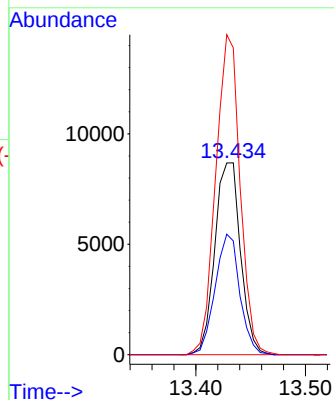
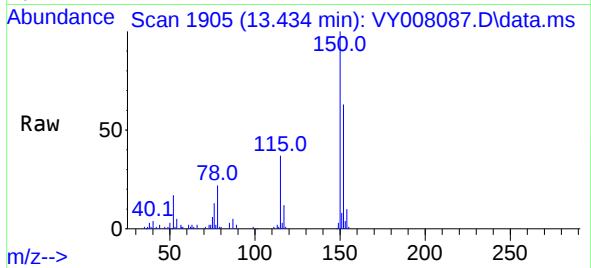




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY008087.D
 Acq: 29 Mar 2022 15:15

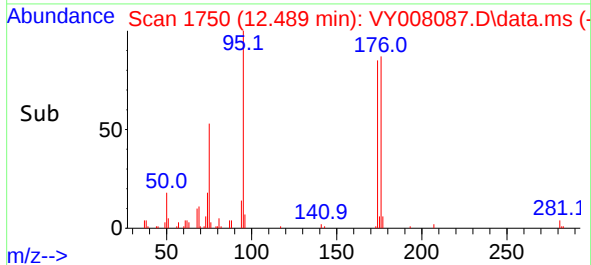
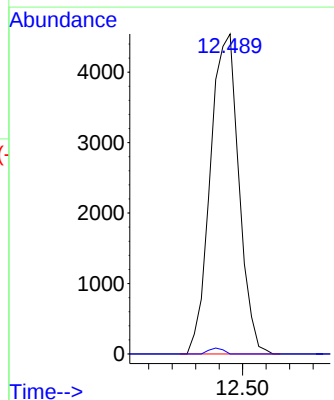
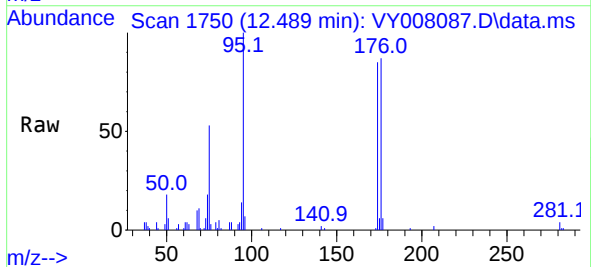
Instrument :
 MSVOA_Y
 ClientSampleId :

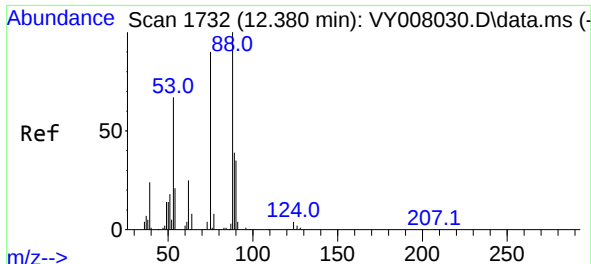
Tgt Ion:152 Resp: 14168
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.294 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VY008087.D
 Acq: 29 Mar 2022 15:15

Tgt Ion: 75 Resp: 7650
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

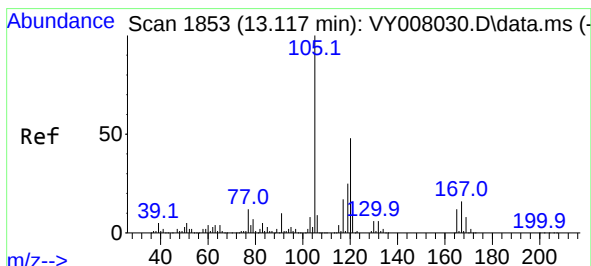
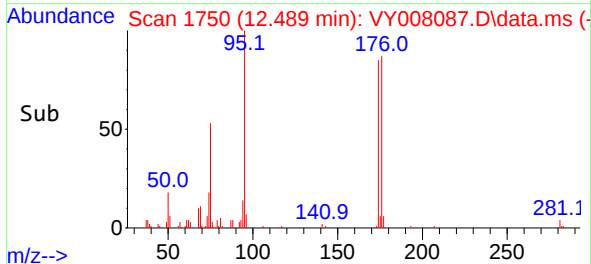
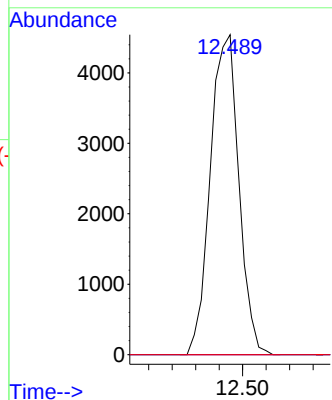
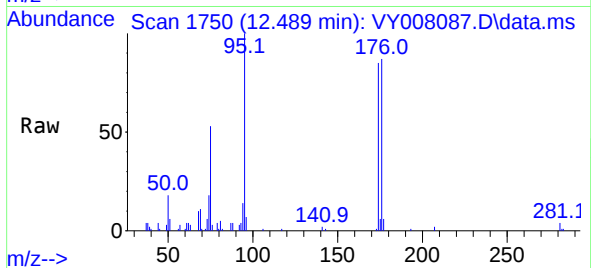




#81
trans-1,4-Dichloro-2-butene
Concen: 98.827 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

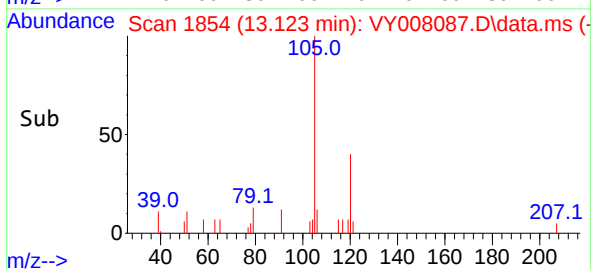
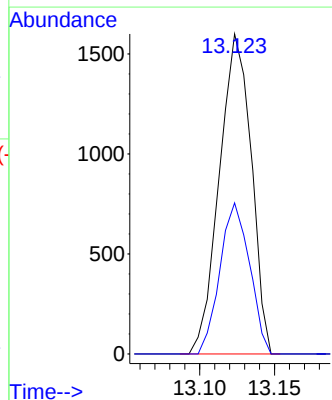
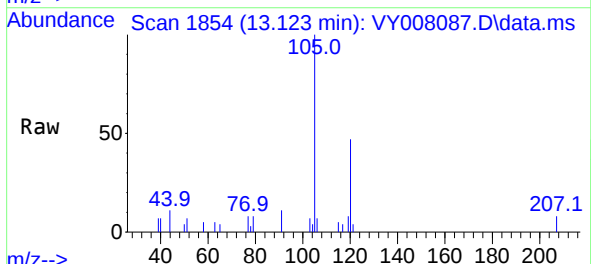
Instrument :
MSVOA_Y
ClientSampleId :

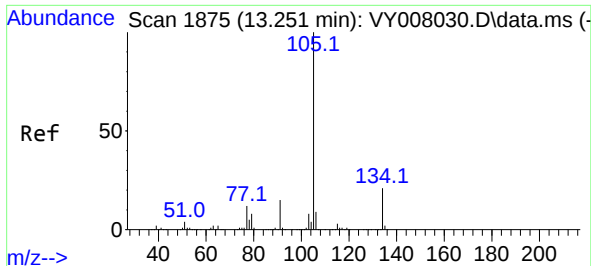
Tgt Ion: 75 Resp: 7650
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.545 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

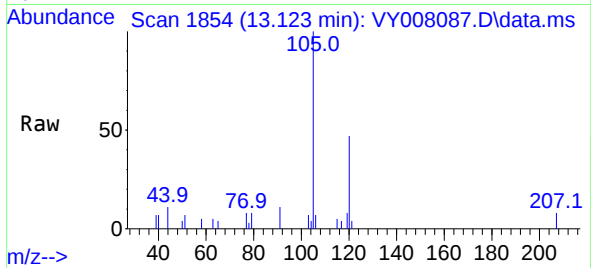
Tgt Ion: 105 Resp: 2374
Ion Ratio Lower Upper
105 100
120 43.8 22.3 66.9



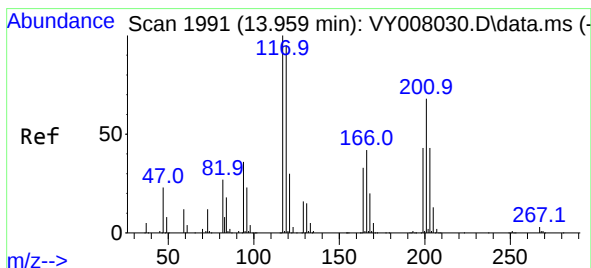
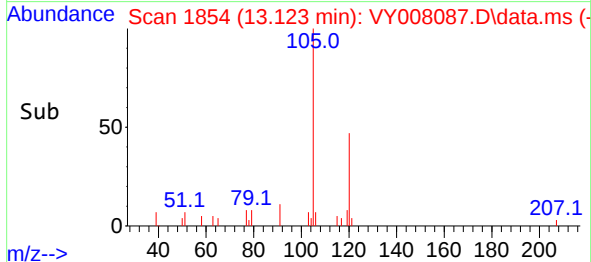
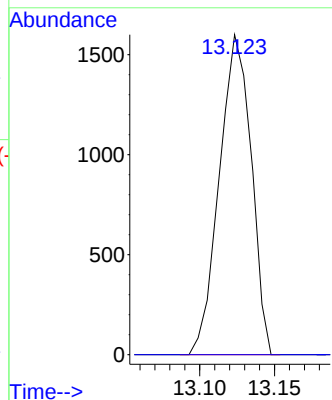


#85
sec-Butylbenzene
Concen: 1.884 ug/l
RT: 13.123 min Scan# 11
Delta R.T. -0.128 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

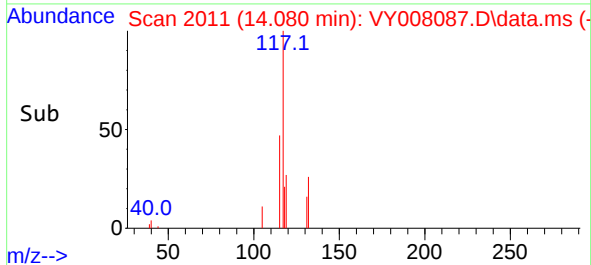
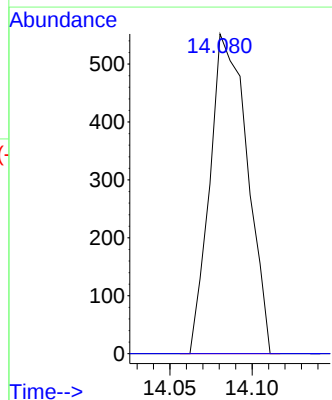
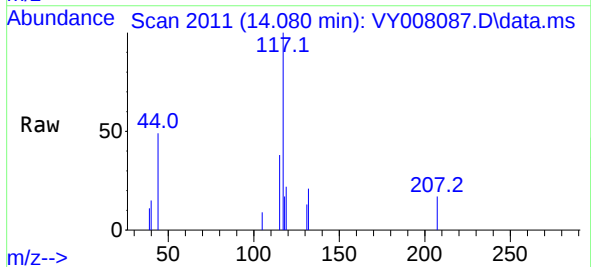


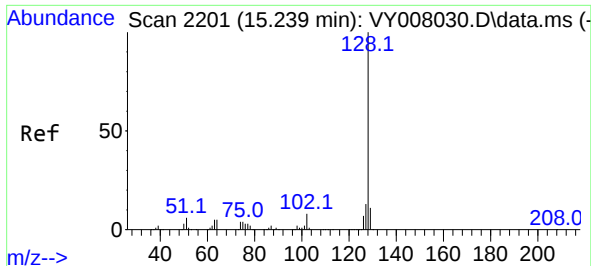
Tgt Ion:105 Resp: 2374
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



#90
Hexachloroethane
Concen: 4.302 ug/l
RT: 14.080 min Scan# 2011
Delta R.T. 0.121 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

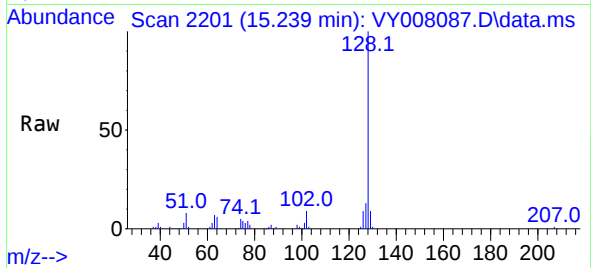
Tgt Ion:117 Resp: 874
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 63.252 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008087.D
Acq: 29 Mar 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	39215
Ion	Ratio	Lower	Upper
128	100		
127	12.2	11.0	16.4
129	10.4	8.4	12.6

