

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032922\
 Data File : VY008099.D
 Acq On : 29 Mar 2022 19:56
 Operator : SY/MD
 Sample : N2125-01
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 30 04:02:24 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)

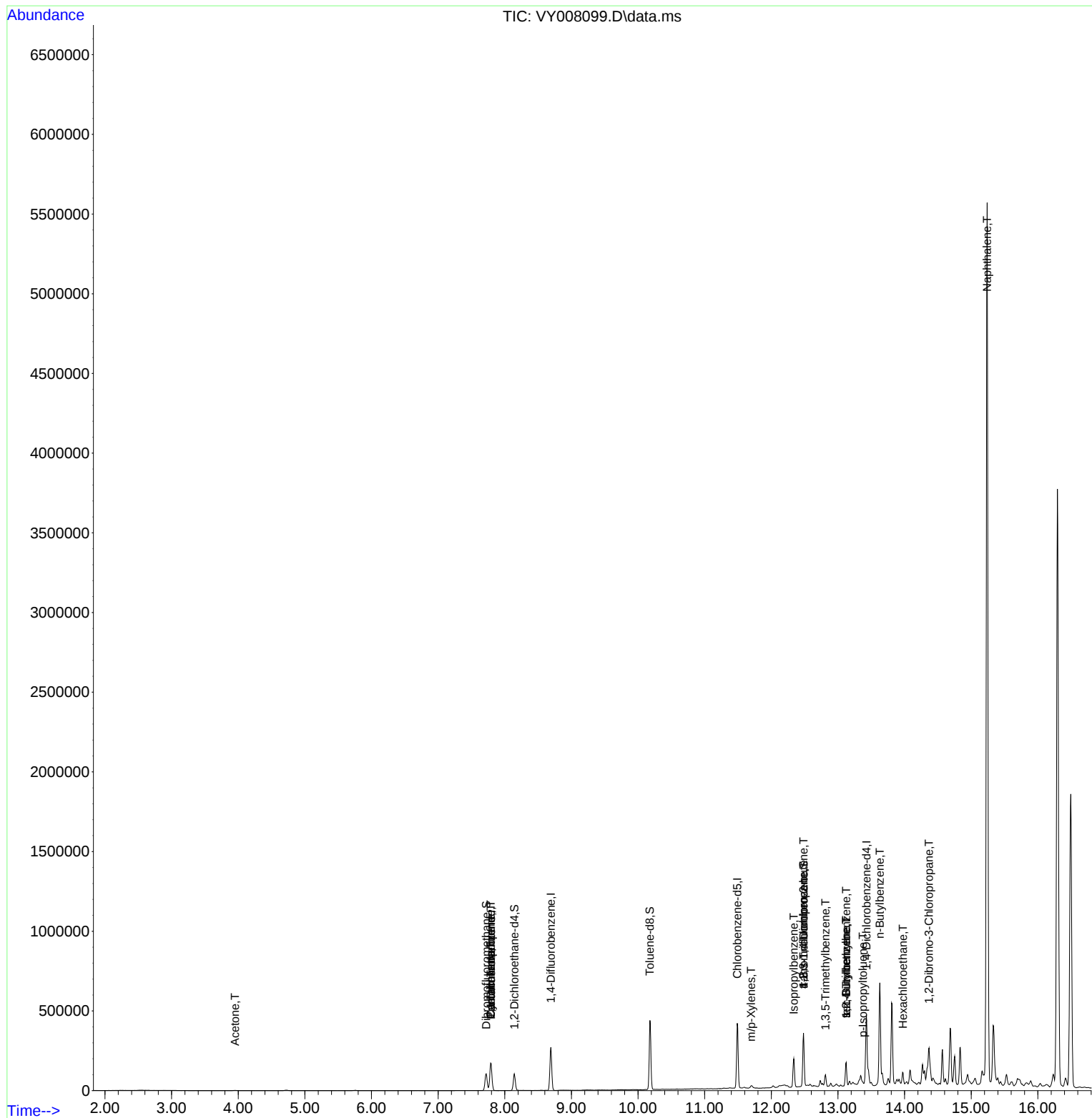
Internal Standards						
1) Pentafluorobenzene	7.795	168	135674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	231991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77418	56.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.740%
35) Dibromofluoromethane	7.722	113	76257	50.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.179	98	293643	51.620	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.240%
62) 4-Bromofluorobenzene	12.483	95	107279	53.454	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.900%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	2872	9.231	ug/l	94
18) Methyl Acetate	4.491	43	161	Below Cal	#	56
20) Methylene Chloride	4.716	84	2519	Below Cal		88
31) Cyclohexane	7.789	56	2589	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10480	4.419	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13349	5.165	ug/l #	15
68) m/p-Xylenes	11.697	106	4070	1.116	ug/l	92
73) Isopropylbenzene	12.337	105	9931	1.092	ug/l #	71
76) 1,2,3-Trichloropropane	12.483	75	52764	39.301	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	29344	3.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	52764	87.686	ug/l #	7
83) tert-Butylbenzene	13.123	119	9834	1.482	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.123	105	80445	11.092	ug/l	98
85) sec-Butylbenzene	13.123	105	80445	8.214	ug/l #	57
86) p-Isopropyltoluene	13.373	119	9314	1.143	ug/l	98
89) n-Butylbenzene	13.629	91	59282	7.905	ug/l #	46
90) Hexachloroethane	13.977	117	3559	2.254	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.367	75	5885	20.867	ug/l #	7
95) Naphthalene	15.239	128	4751644	985.922	ug/l	98

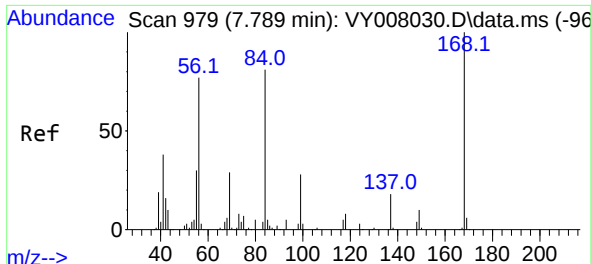
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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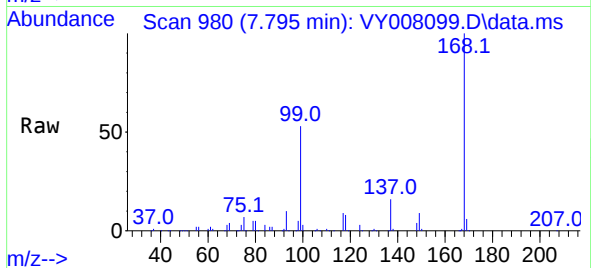
Quant Time: Mar 30 04:02:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 26 03:24:51 2022
Response via : Initial Calibration



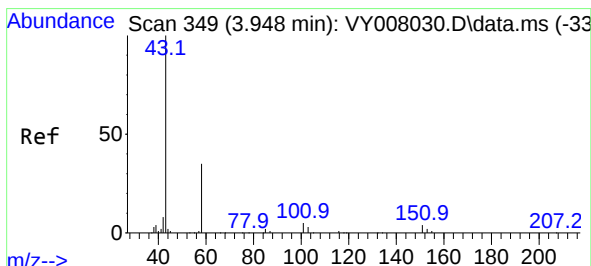
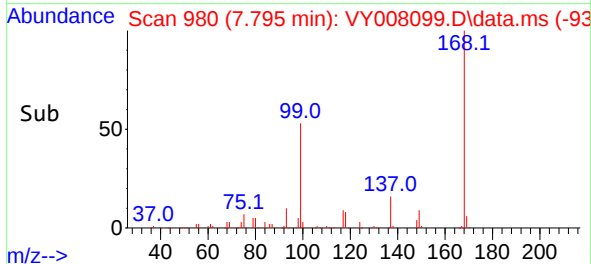
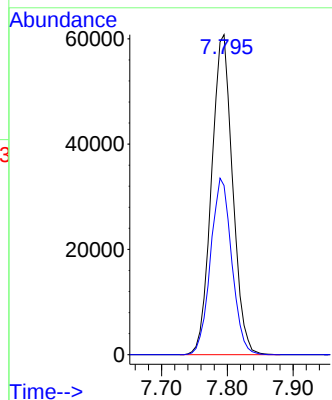


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Instrument :
MSVOA_Y
ClientSampleId :

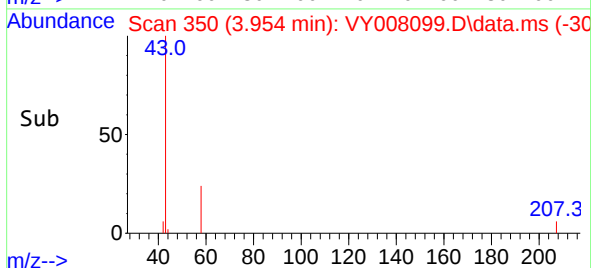
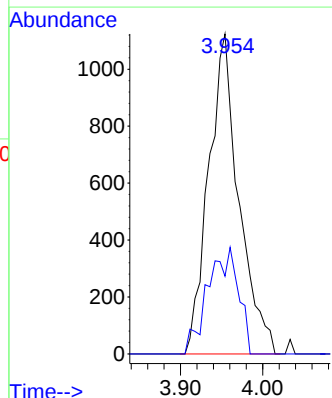
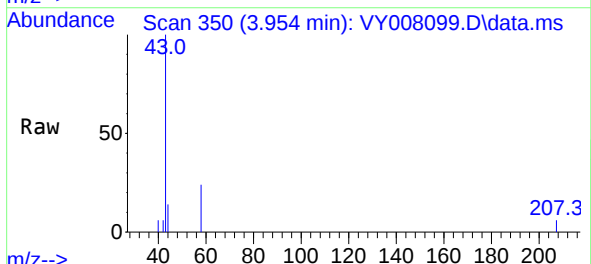


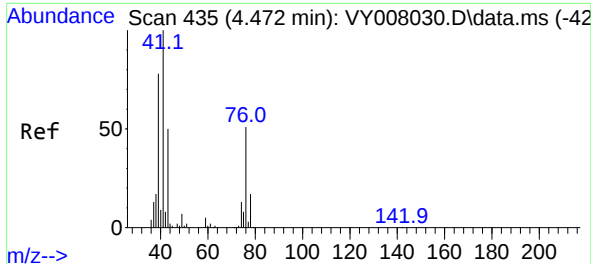
Tgt Ion:168 Resp: 135674
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#16
Acetone
Concen: 9.231 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
58 24.3 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

Instrument :

MSVOA_Y

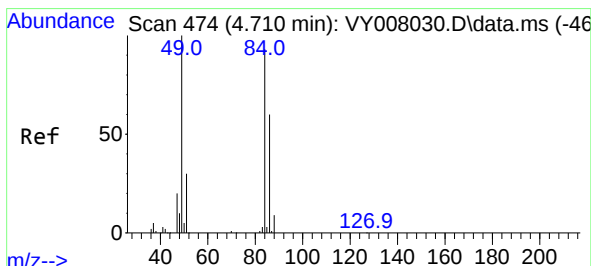
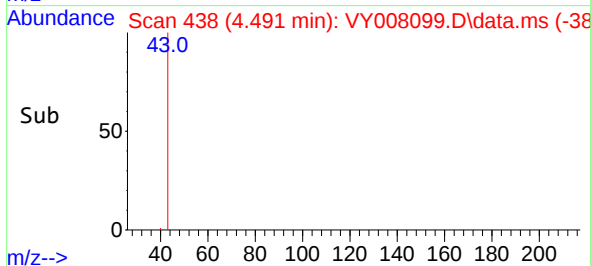
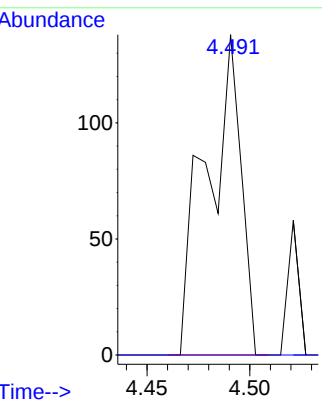
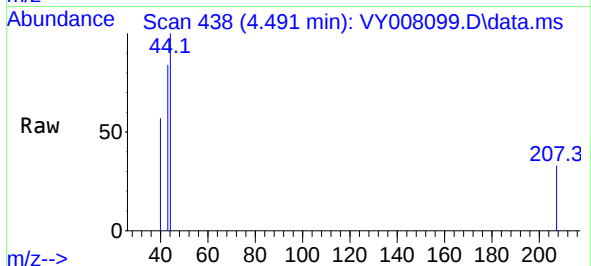
ClientSampleId :

Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

Tgt Ion: 84 Resp: 2519

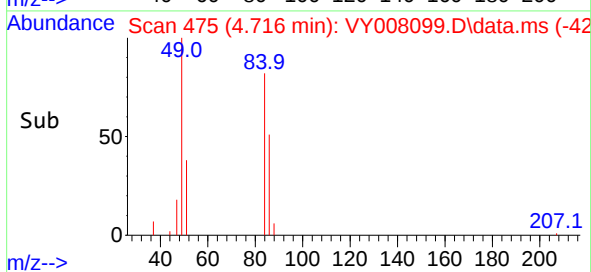
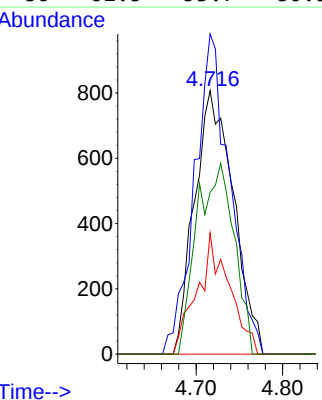
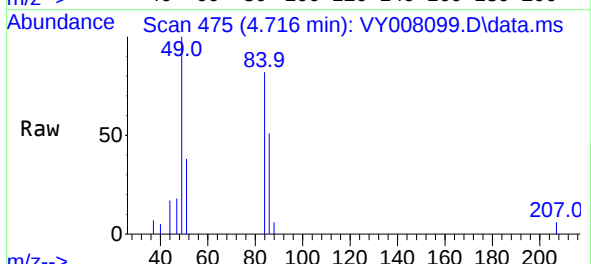
Ion Ratio Lower Upper

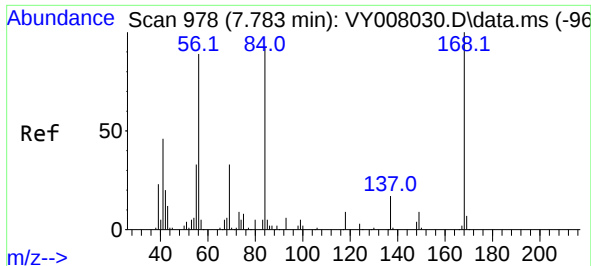
84 100

49 121.6 114.4 171.6

51 46.0 35.3 52.9

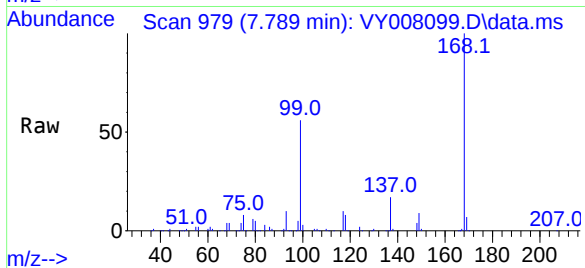
86 61.5 53.7 80.5



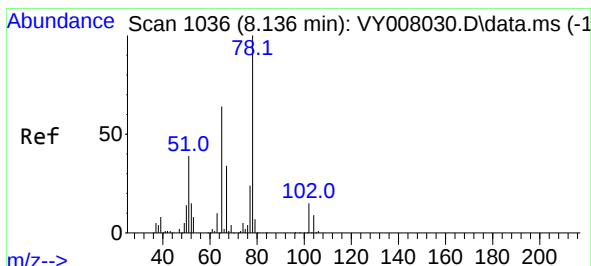
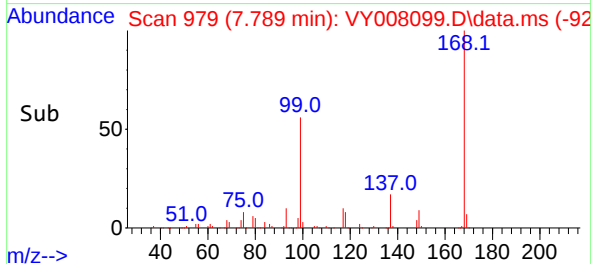
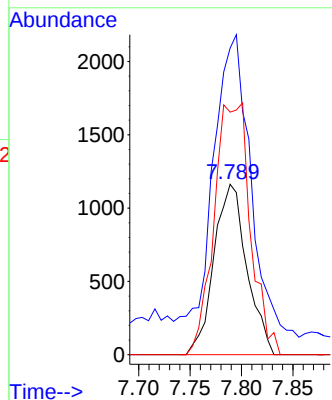


#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Instrument :
MSVOA_Y
ClientSampleId :

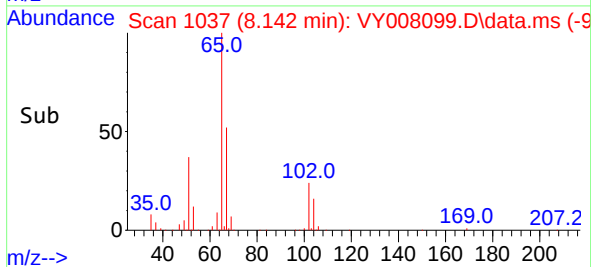
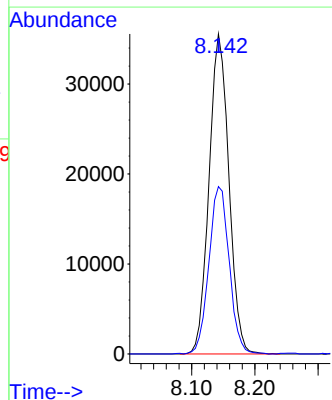
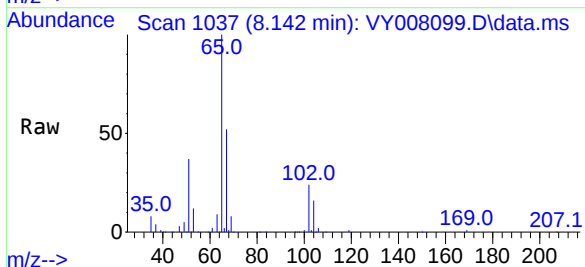


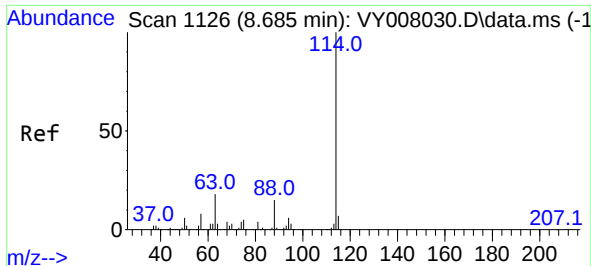
Tgt Ion: 56 Resp: 2589
Ion Ratio Lower Upper
56 100
69 162.3 26.7 40.1#
84 142.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.874 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion: 65 Resp: 77418
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

Instrument :

MSVOA_Y

ClientSampleId :

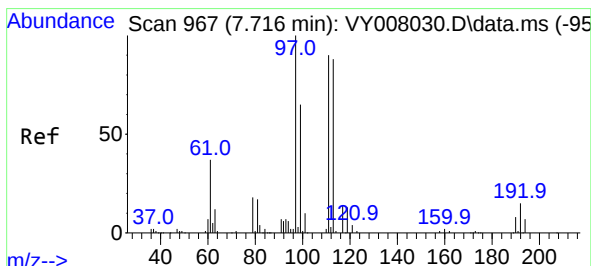
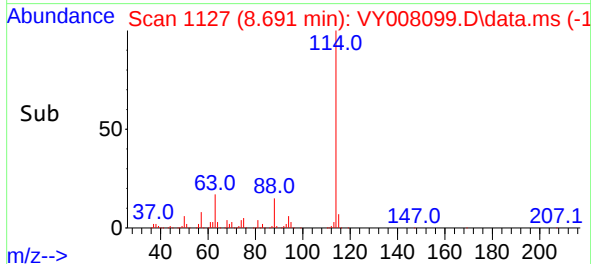
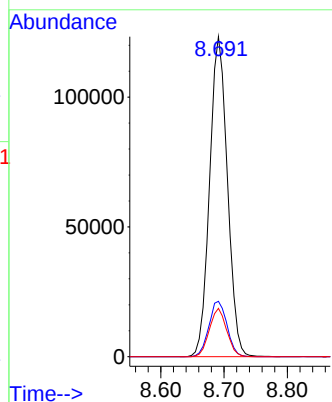
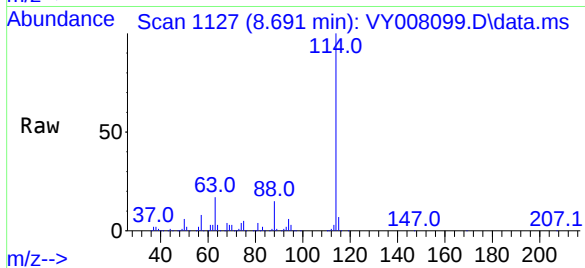
Tgt Ion:114 Resp: 240824

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.505 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

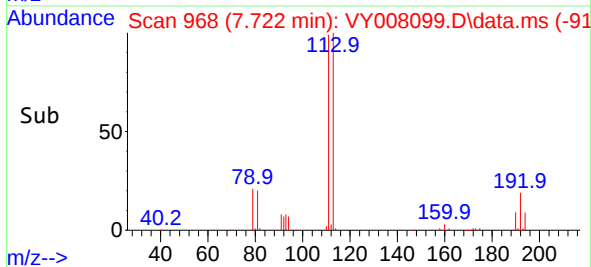
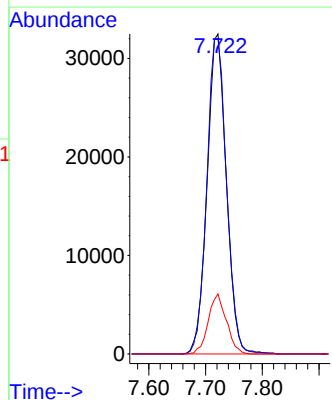
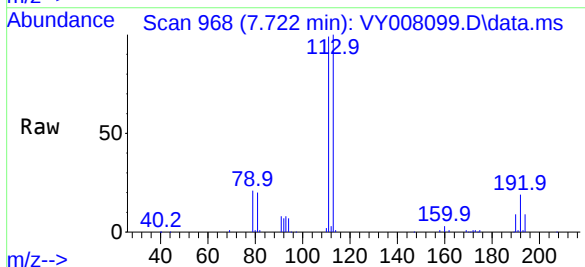
Tgt Ion:113 Resp: 76257

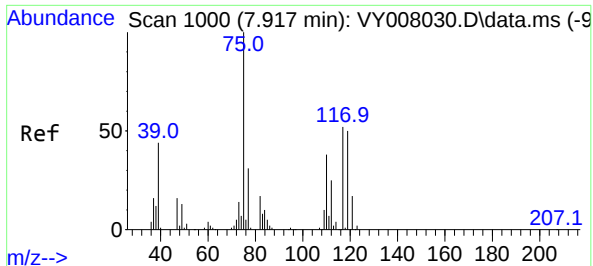
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 17.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.419 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008099.D

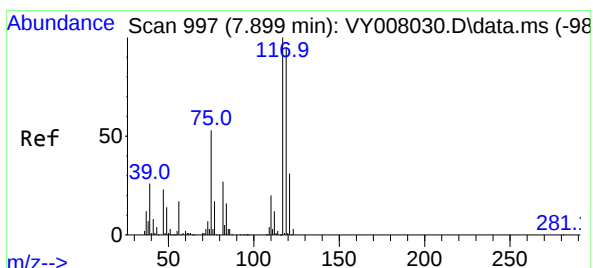
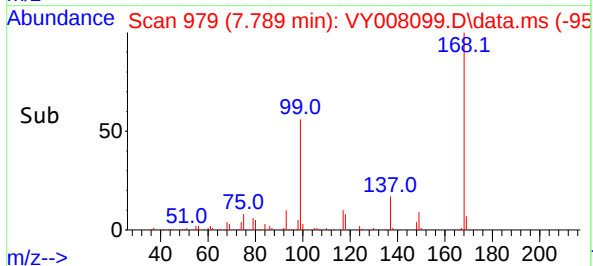
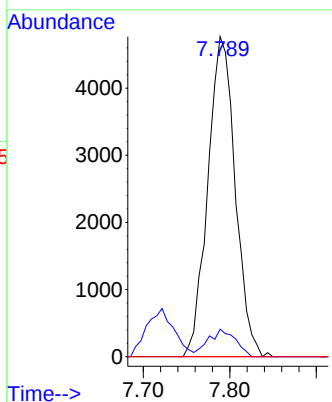
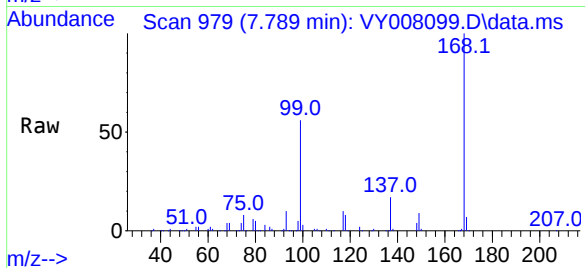
Acq: 29 Mar 2022 19:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	10480
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.165 ug/l

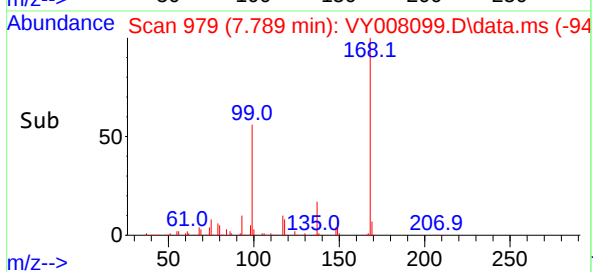
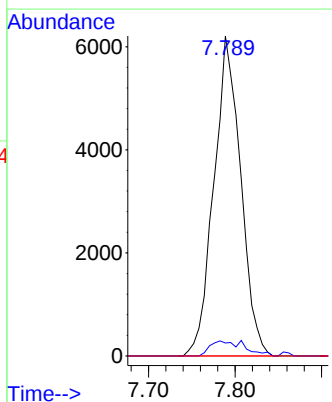
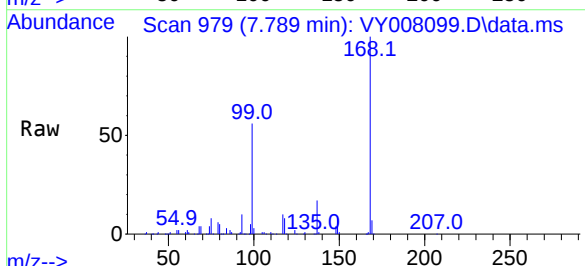
RT: 7.789 min Scan# 979

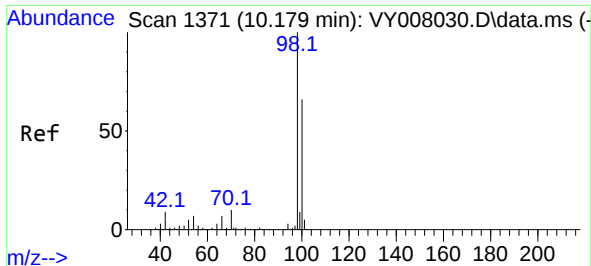
Delta R.T. -0.110 min

Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

Tgt Ion:	117	Resp:	13349
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.9	116.9#
121	0.0	24.8	37.2#

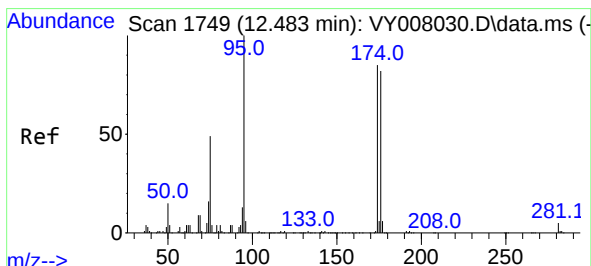
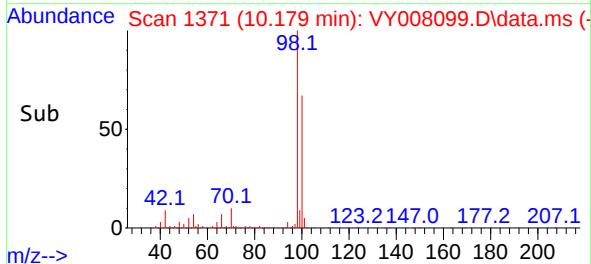
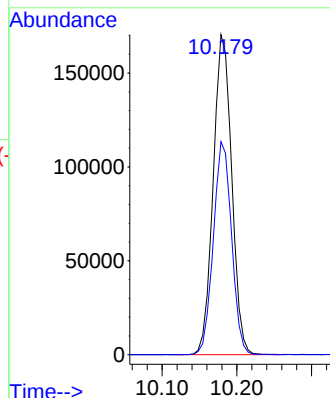
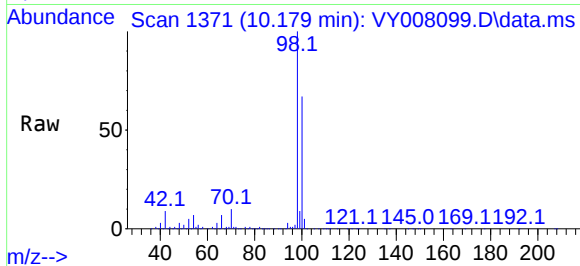




#50
Toluene-d8
Concen: 51.620 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

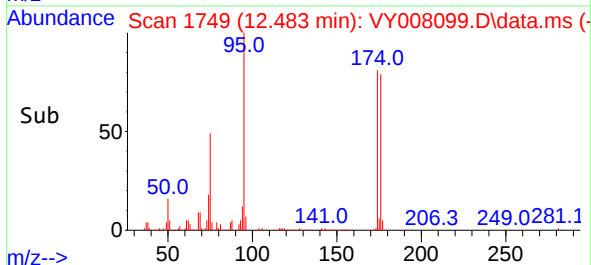
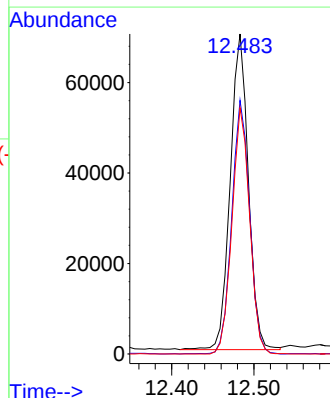
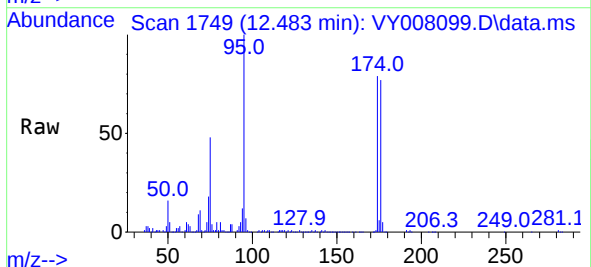
Instrument :
MSVOA_Y
ClientSampleId :

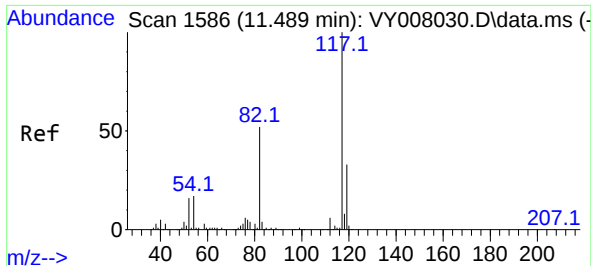
Tgt Ion: 98 Resp: 293643
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 53.454 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

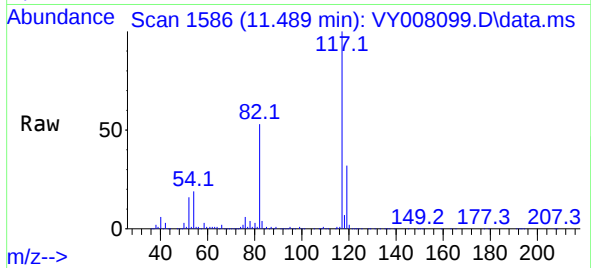
Tgt Ion: 95 Resp: 107279
Ion Ratio Lower Upper
95 100
174 79.2 0.0 177.0
176 75.8 0.0 175.8



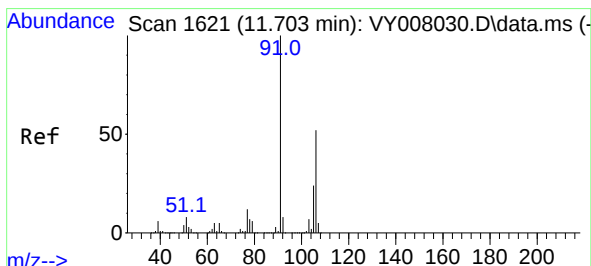
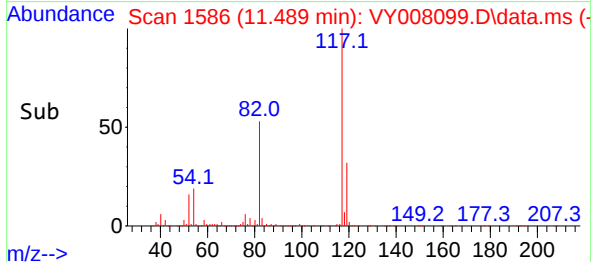
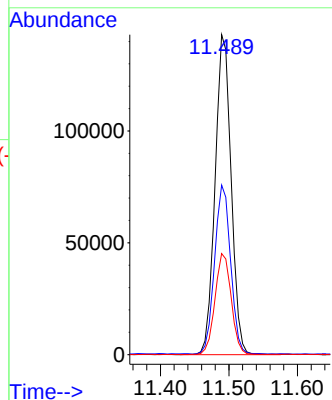


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Instrument :
MSVOA_Y
ClientSampleId :

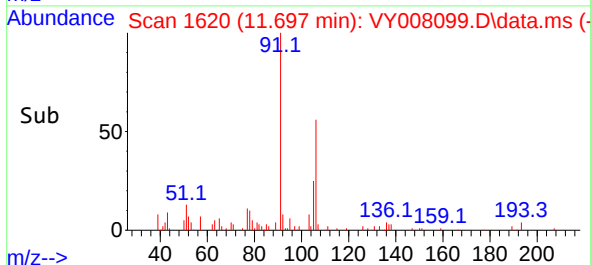
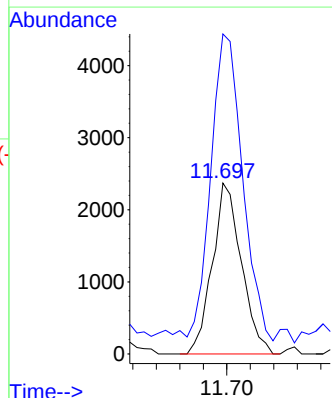
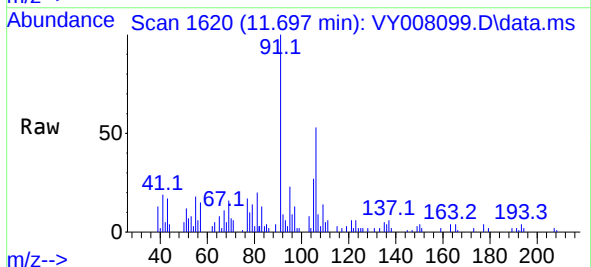


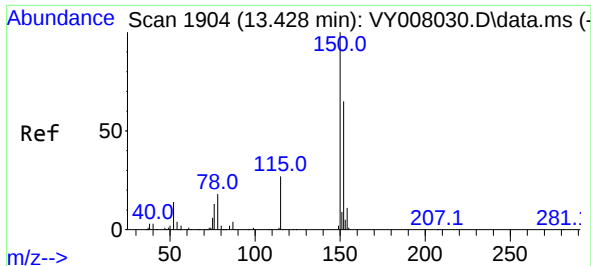
Tgt Ion:117 Resp: 231991
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 31.5 25.4 38.0



#68
m/p-Xylenes
Concen: 1.116 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion:106 Resp: 4070
Ion Ratio Lower Upper
106 100
91 195.6 166.6 249.8

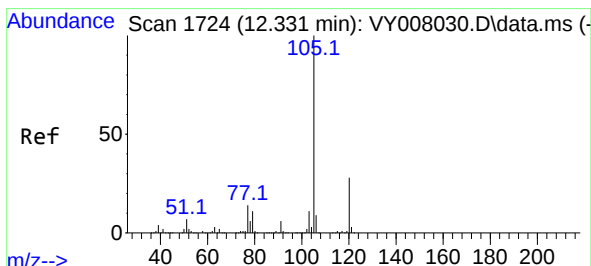
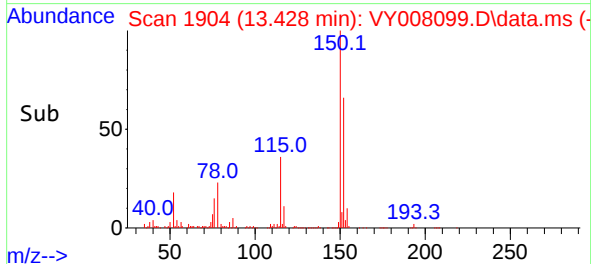
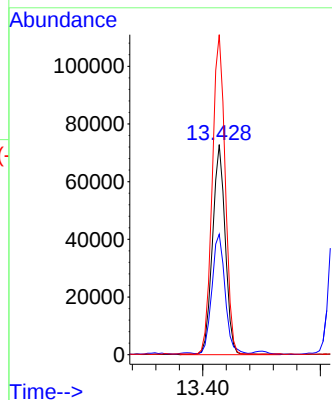
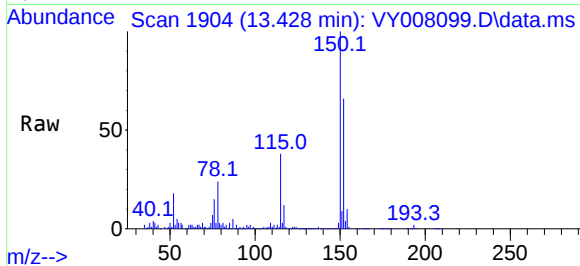




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

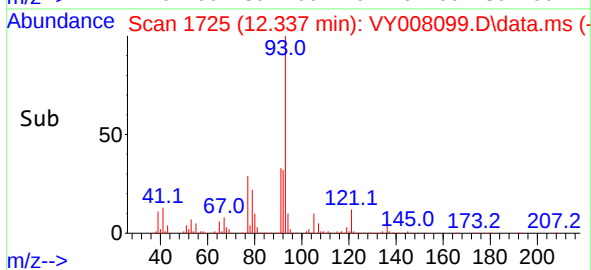
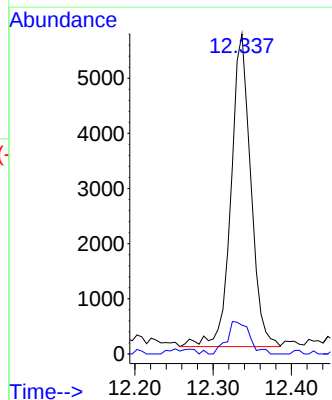
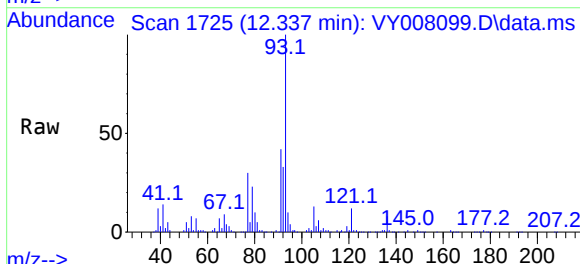
Instrument :
MSVOA_Y
ClientSampleId :

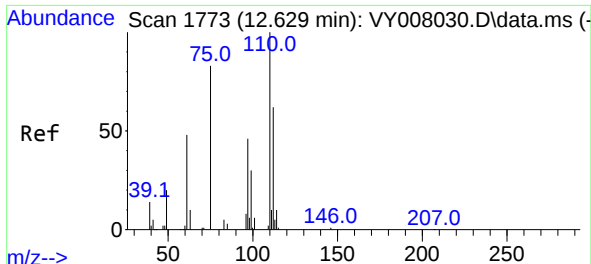
Tgt Ion:152 Resp: 110137
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 153.6 0.0 347.6



#73
Isopropylbenzene
Concen: 1.092 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion:105 Resp: 9931
Ion Ratio Lower Upper
105 100
120 11.8 13.4 40.2#

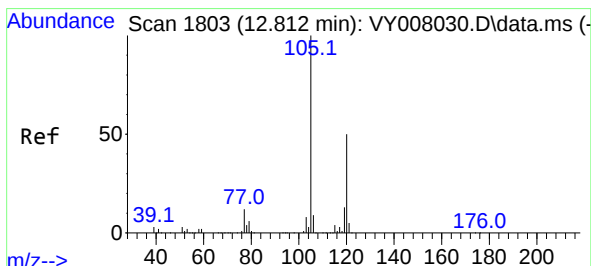
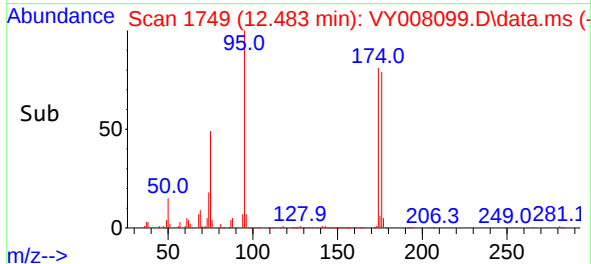
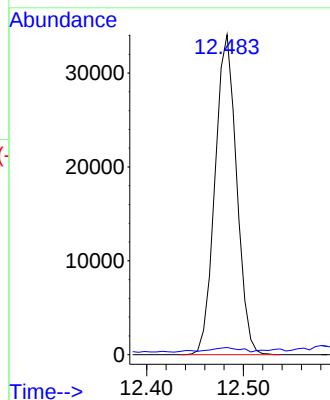
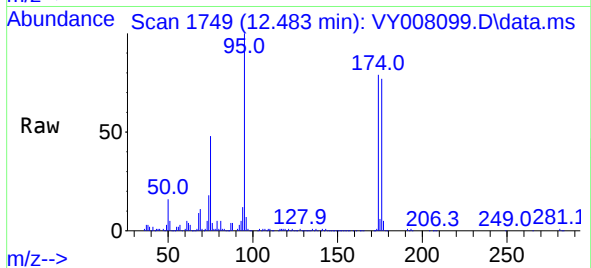




#76
 1,2,3-Trichloropropane
 Concen: 39.301 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. -0.146 min
 Lab File: VY008099.D
 Acq: 29 Mar 2022 19:56

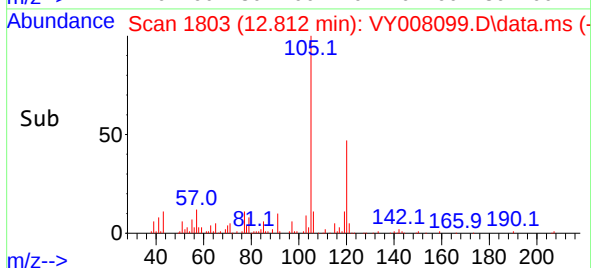
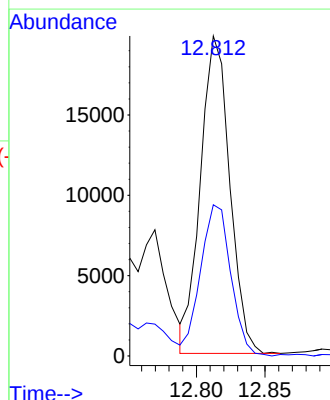
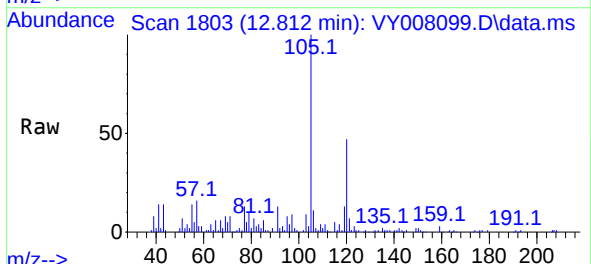
Instrument :
 MSVOA_Y
 ClientSampleId :

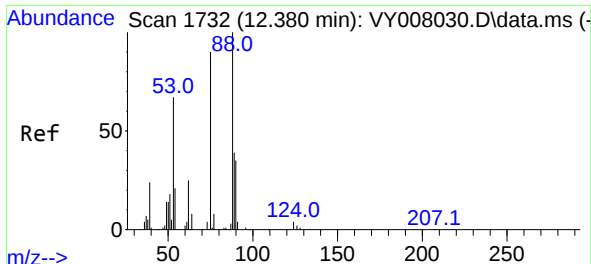
Tgt Ion: 75 Resp: 52764
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.940 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY008099.D
 Acq: 29 Mar 2022 19:56

Tgt Ion:105 Resp: 29344
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.4

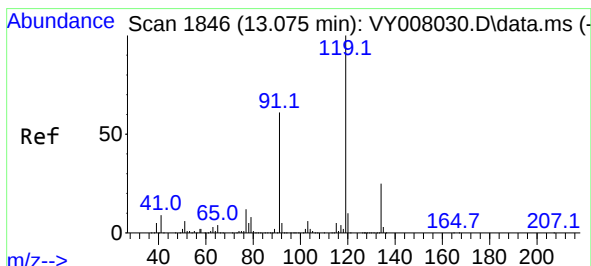
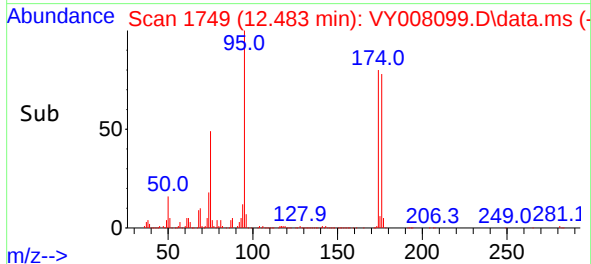
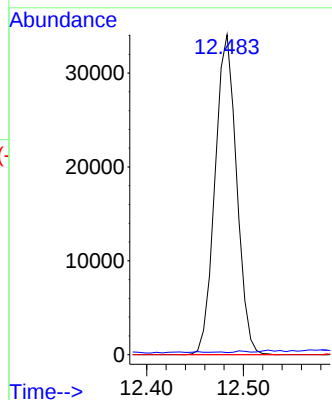
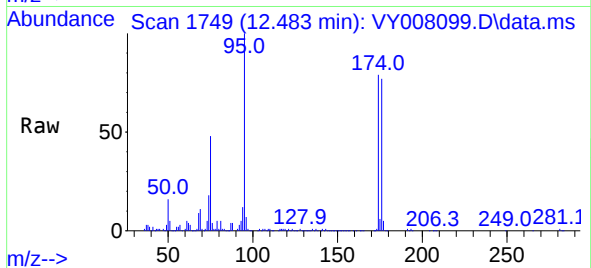




#81
trans-1,4-Dichloro-2-butene
Concen: 87.686 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

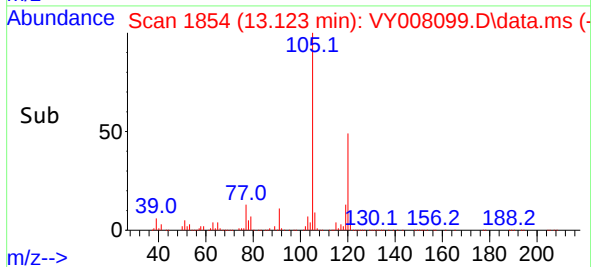
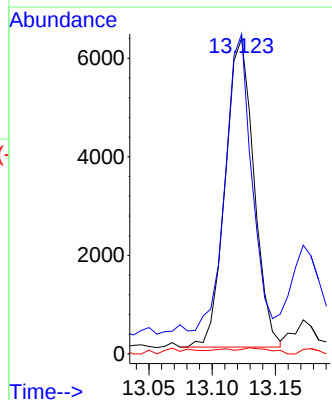
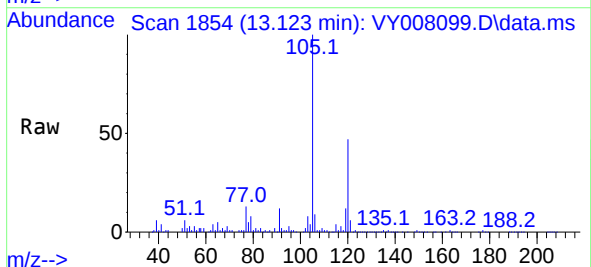
Instrument :
MSVOA_Y
ClientSampleId :

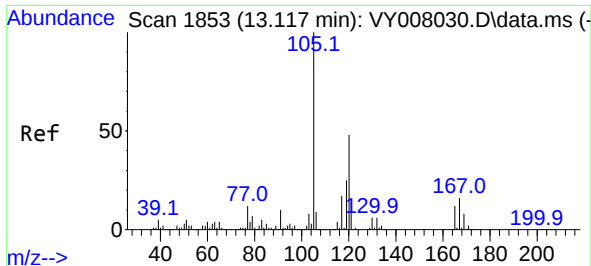
Tgt Ion: 75 Resp: 52764
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 1.482 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.048 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion: 119 Resp: 9834
Ion Ratio Lower Upper
119 100
91 91.7 34.8 104.4
134 2.1 13.3 39.9#

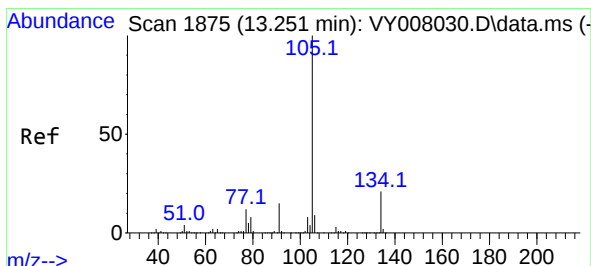
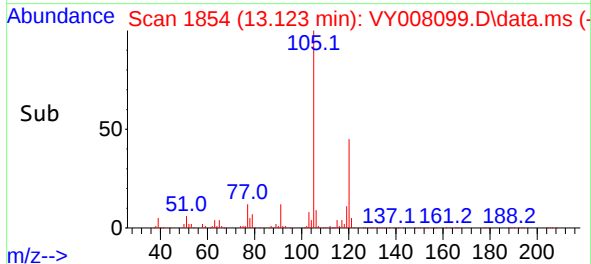
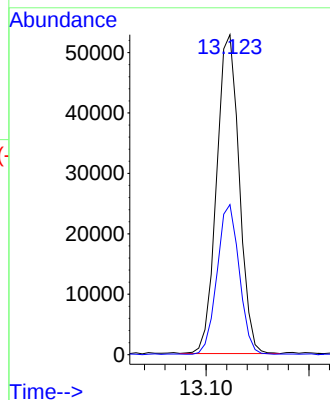
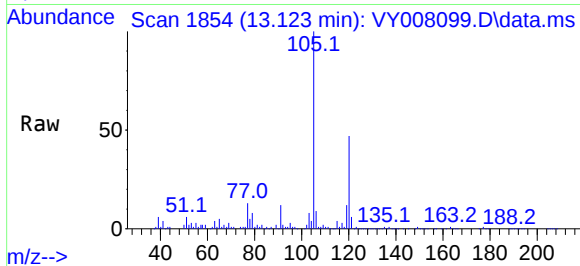




#84
1,2,4-Trimethylbenzene
Concen: 11.092 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

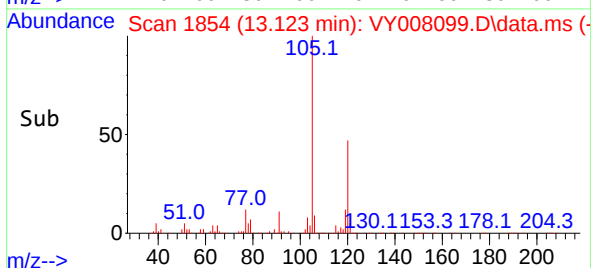
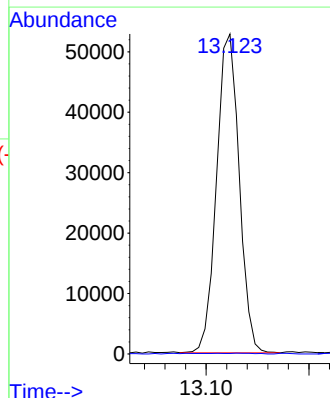
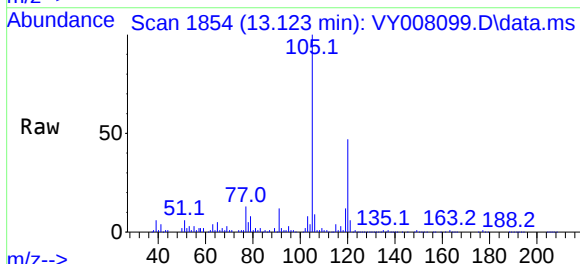
Instrument :
MSVOA_Y
ClientSampleId :

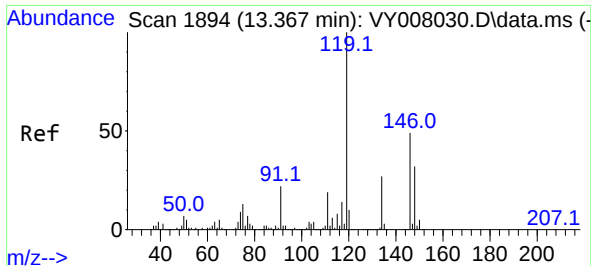
Tgt Ion:105 Resp: 80445
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9



#85
sec-Butylbenzene
Concen: 8.214 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.128 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion:105 Resp: 80445
Ion Ratio Lower Upper
105 100
134 0.3 10.2 30.4#

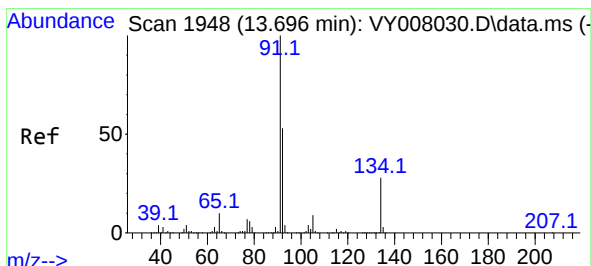
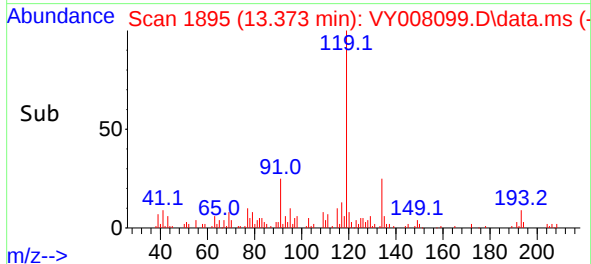
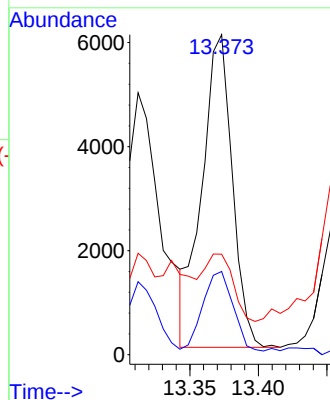
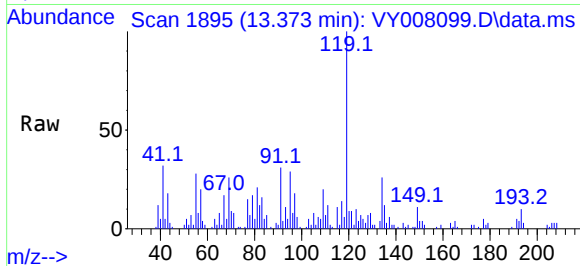




#86
p-Isopropyltoluene
Concen: 1.143 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

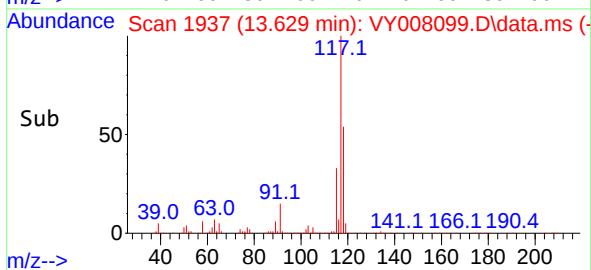
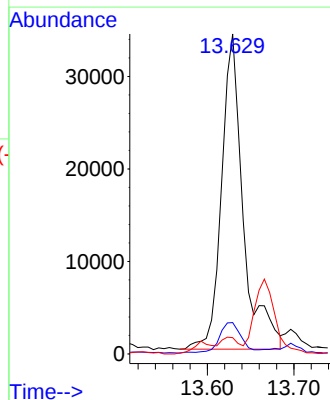
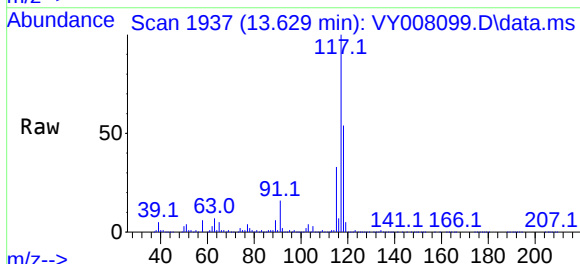
Instrument :
MSVOA_Y
ClientSampleId :

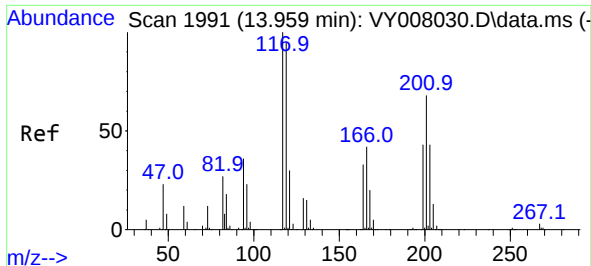
Tgt Ion:	119	Resp:	9314
Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.2	39.5
91	24.5	12.4	37.2



#89
n-Butylbenzene
Concen: 7.905 ug/l
RT: 13.629 min Scan# 1937
Delta R.T. -0.067 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion:	91	Resp:	59282
Ion	Ratio	Lower	Upper
91	100		
92	10.2	26.3	78.9#
134	4.2	13.0	38.9#

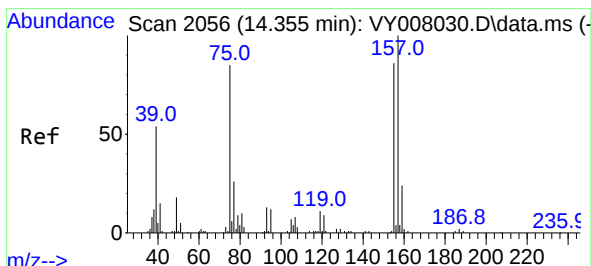
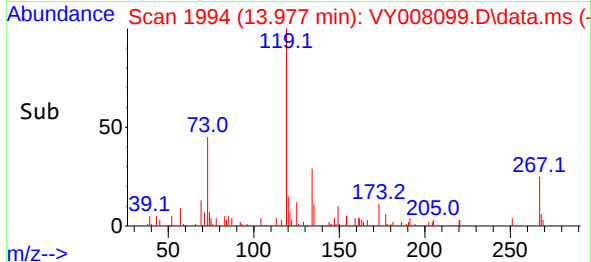
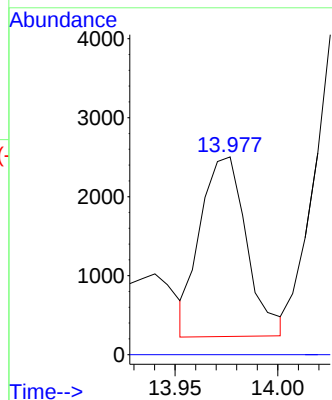
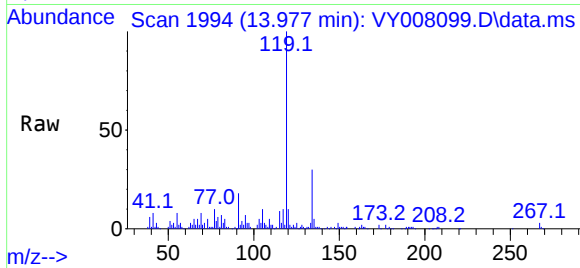




#90
Hexachloroethane
Concen: 2.254 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

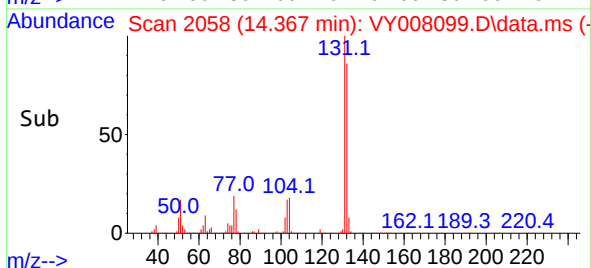
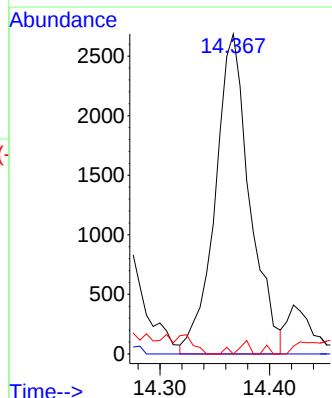
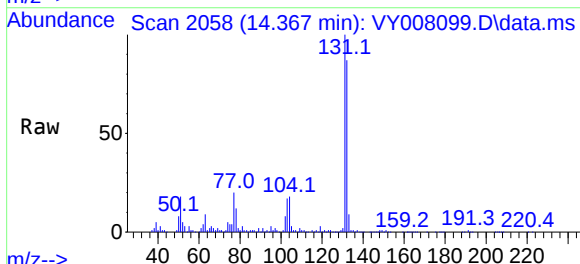
Instrument :
MSVOA_Y
ClientSampleId :

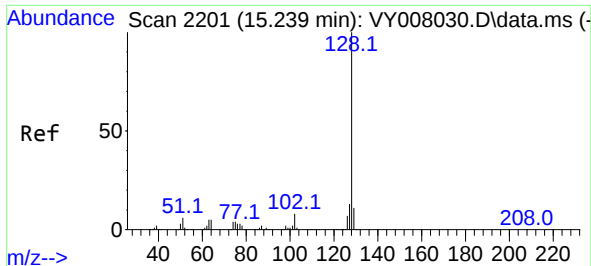
Tgt Ion:117 Resp: 3559
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.867 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.012 min
Lab File: VY008099.D
Acq: 29 Mar 2022 19:56

Tgt Ion: 75 Resp: 5885
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 1.4 47.8 143.3#





#95

Naphthalene

Concen: 985.922 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

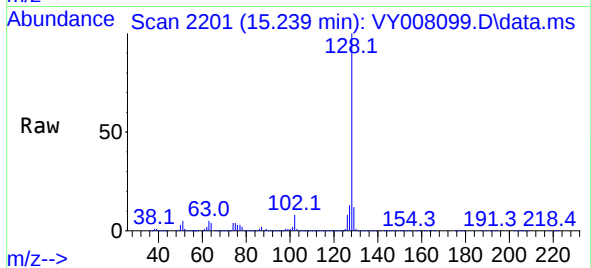
Lab File: VY008099.D

Acq: 29 Mar 2022 19:56

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 4751644

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

129 11.3 8.4 12.6

