

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007608.D
 Acq On : 23 Feb 2022 19:16
 Operator : SY/MD
 Sample : N1584-08
 Misc : 6.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D13-12.5

Quant Time: Feb 24 08:25:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	86118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	115923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	31424	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44754	46.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.420%
35) Dibromofluoromethane	7.716	113	45844	50.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.580%
50) Toluene-d8	10.179	98	163853	49.136	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.477	95	37770	33.093	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.180%

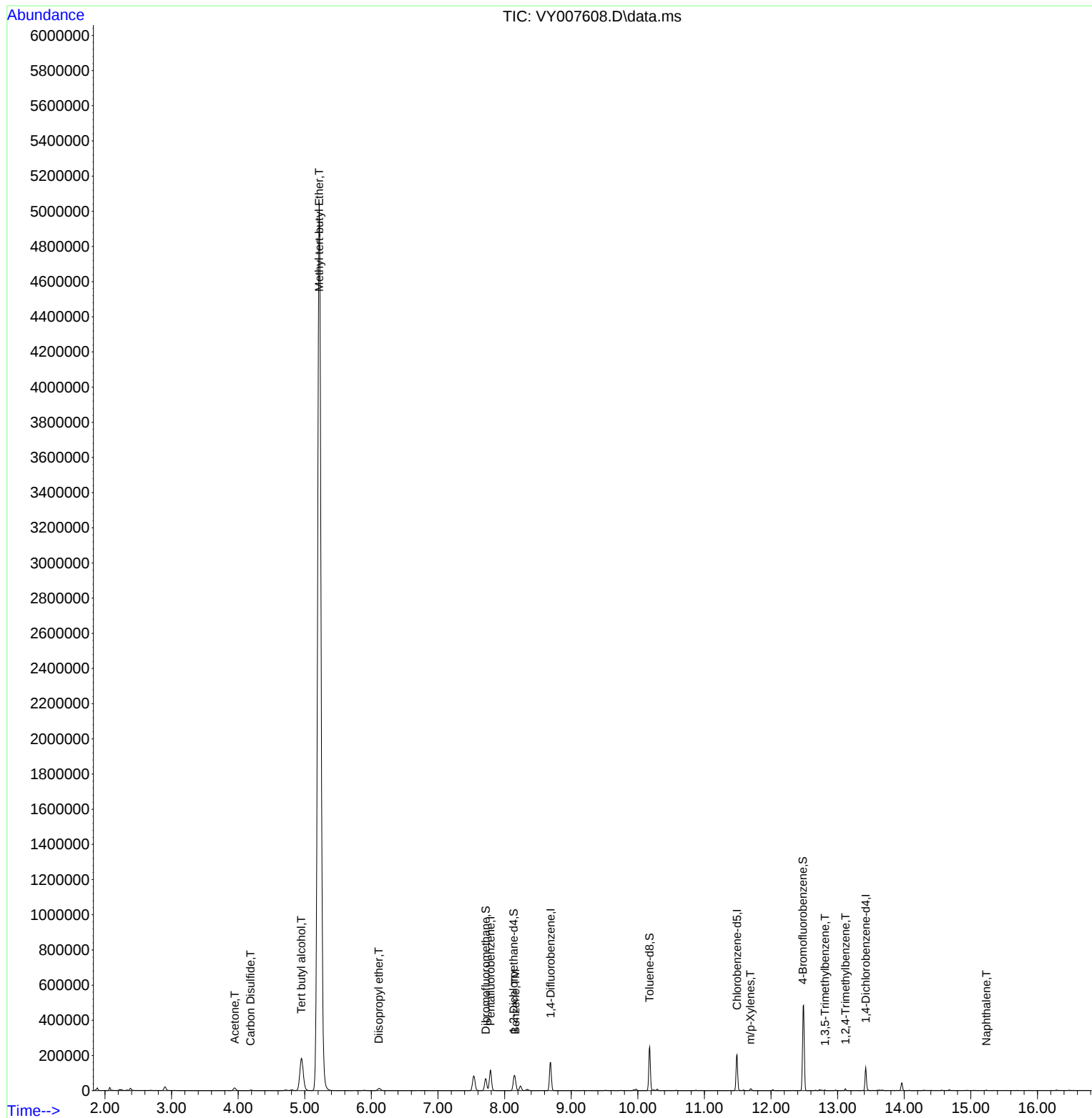
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	394766	4091.275	ug/l #	94
16) Acetone	3.948	43	25257	115.760	ug/l #	83
17) Carbon Disulfide	4.186	76	6921	2.863	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	9046804	3460.368	ug/l	92
22) Diisopropyl ether	6.112	45	14739	7.800	ug/l #	86
40) Benzene	8.161	78	51131	13.778	ug/l	98
68) m/p-Xylenes	11.691	106	3251	1.959	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	2110	1.025	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	5725	2.837	ug/l	99
95) Naphthalene	15.233	128	2319	1.455	ug/l	97

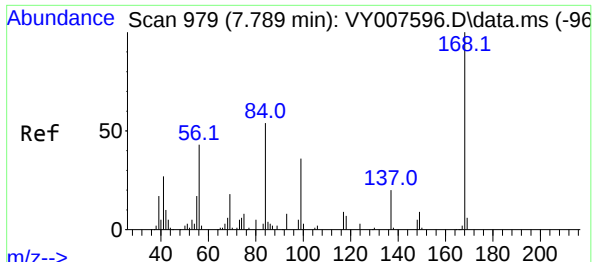
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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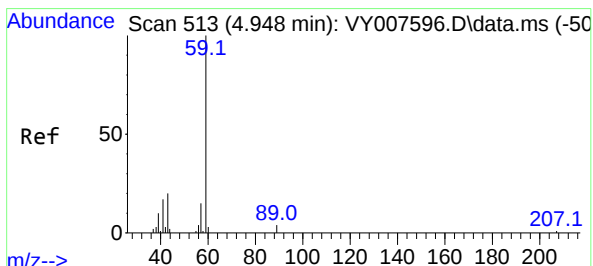
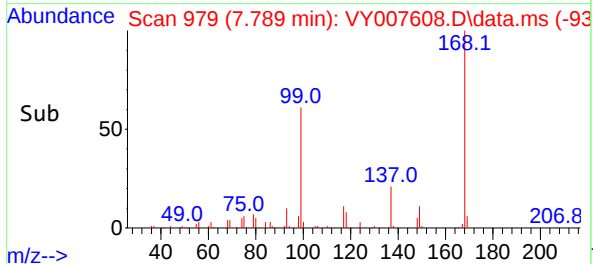
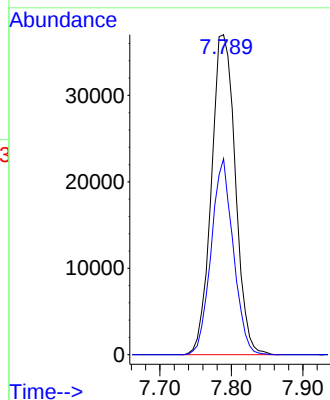
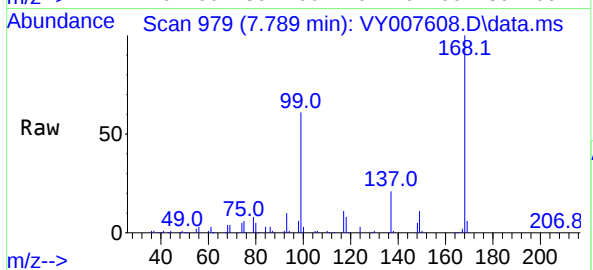




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

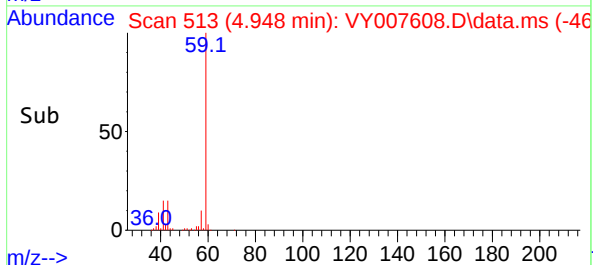
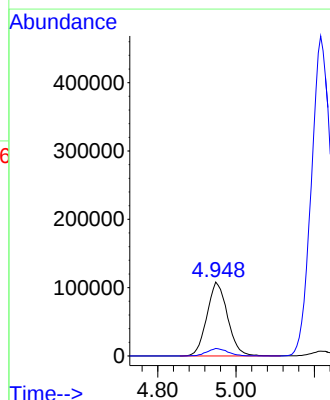
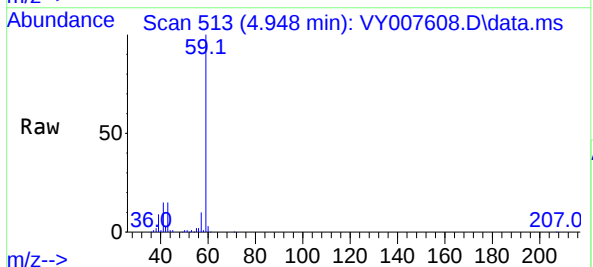
Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

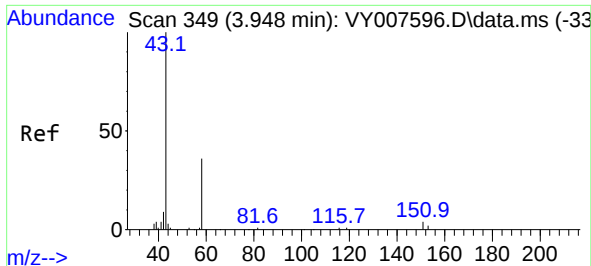
Tgt Ion:168 Resp: 86118
Ion Ratio Lower Upper
168 100
99 61.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 4091.275 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion: 59 Resp: 394766
Ion Ratio Lower Upper
59 100
57 10.2 6.4 9.6#

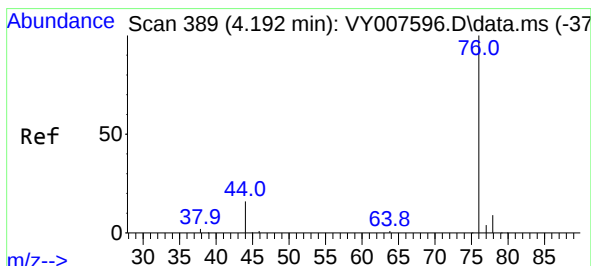
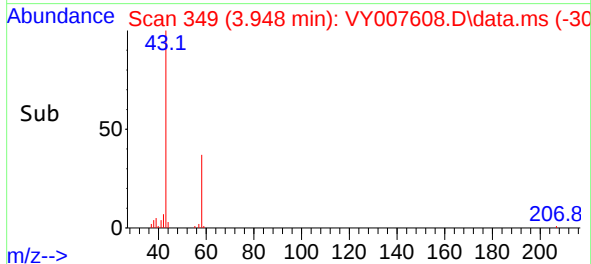
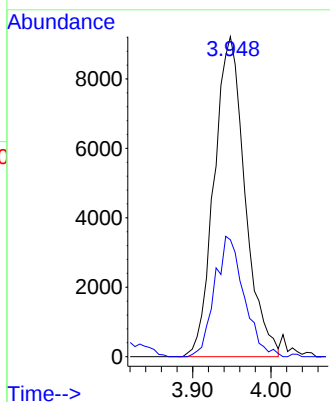
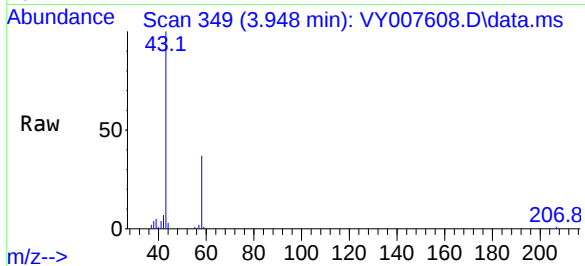




#16
Acetone
Concen: 115.760 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

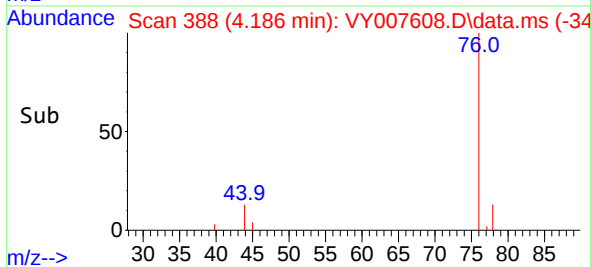
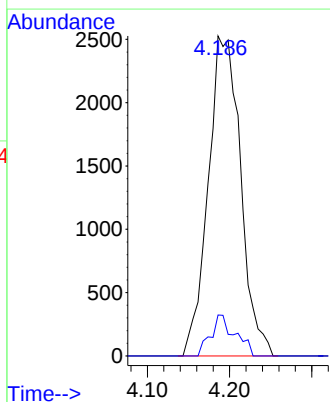
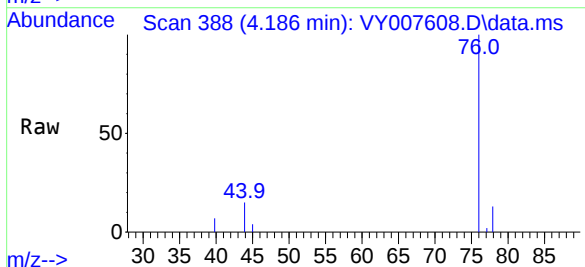
Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

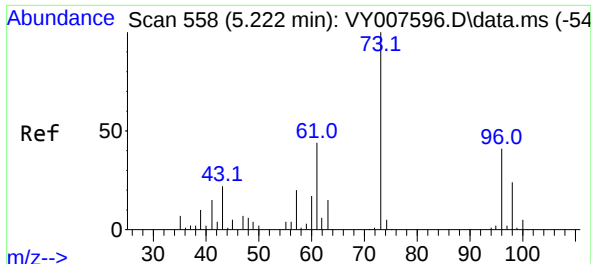
Tgt Ion: 43 Resp: 25257
Ion Ratio Lower Upper
43 100
58 36.6 22.0 33.0#



#17
Carbon Disulfide
Concen: 2.863 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion: 76 Resp: 6921
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.0#

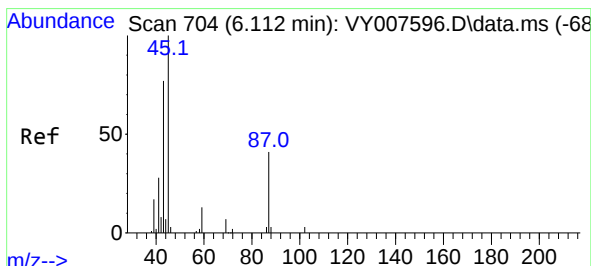
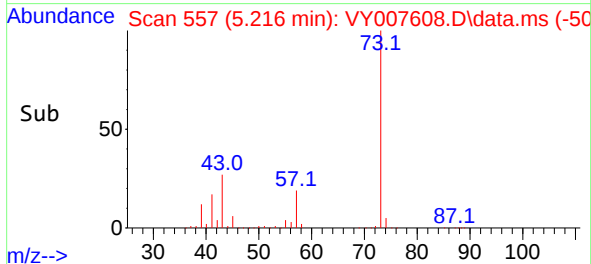
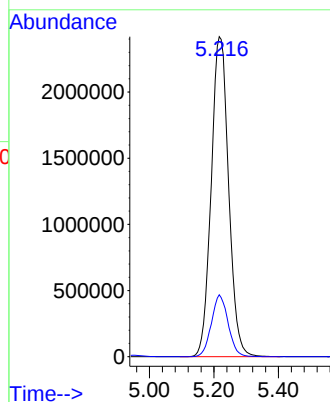
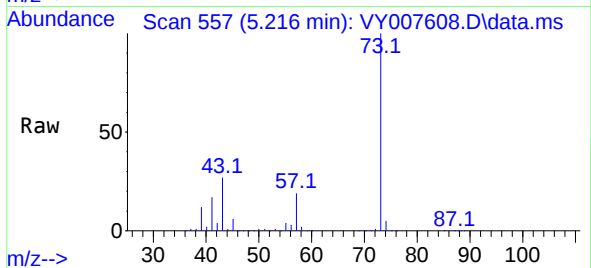




#19
Methyl tert-butyl Ether
Concen: 3460.368 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

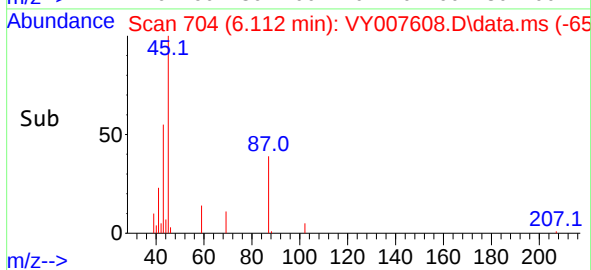
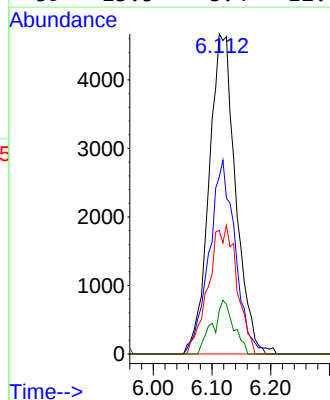
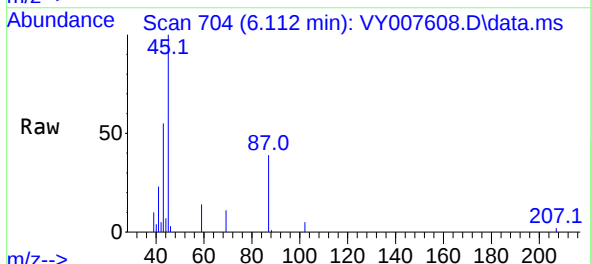
Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

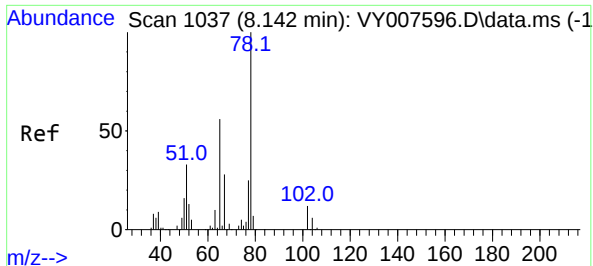
Tgt Ion: 73 Resp: 9046804
Ion Ratio Lower Upper
73 100
57 19.4 18.6 27.8



#22
Diisopropyl ether
Concen: 7.800 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion: 45 Resp: 14739
Ion Ratio Lower Upper
45 100
43 55.2 49.3 73.9
87 38.6 19.2 28.8#
59 13.5 8.4 12.6#





#33

1,2-Dichloroethane-d4

Concen: 46.715 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY007608.D

Acq: 23 Feb 2022 19:16

Instrument :

MSVOA_Y

ClientSampleId :

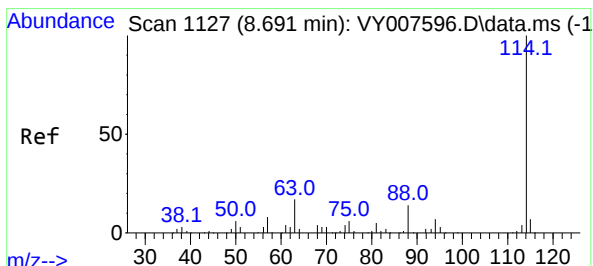
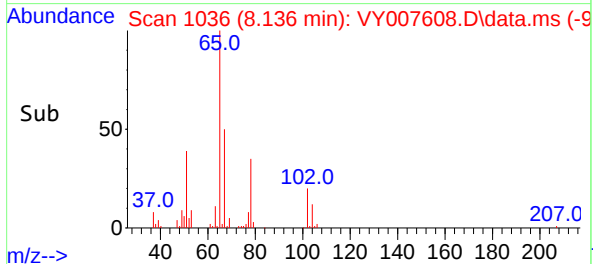
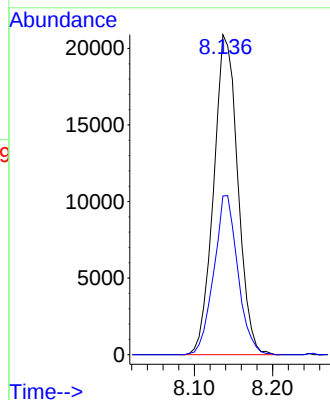
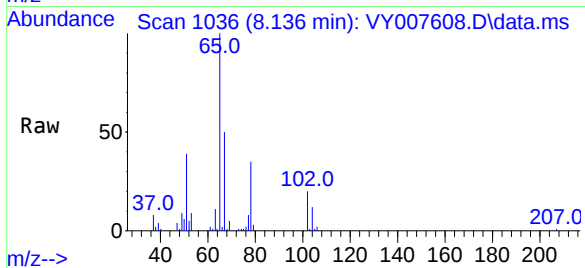
D13-12.5

Tgt Ion: 65 Resp: 44754

Ion Ratio Lower Upper

65 100

67 49.5 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: VY007608.D

Acq: 23 Feb 2022 19:16

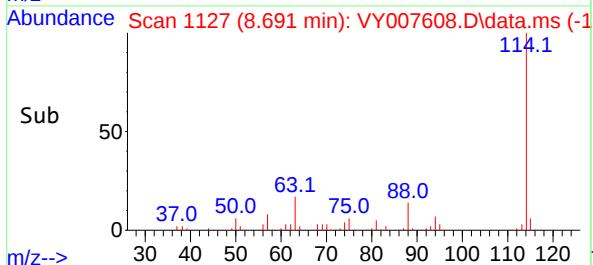
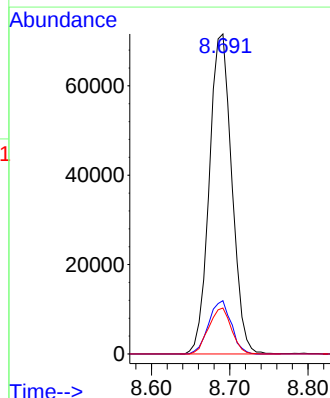
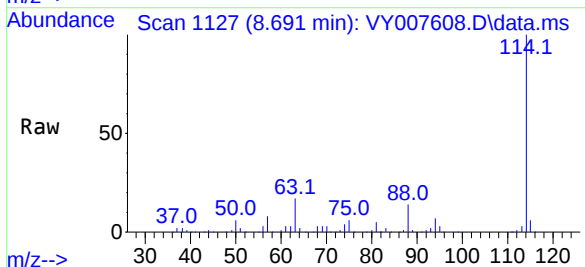
Tgt Ion: 114 Resp: 143049

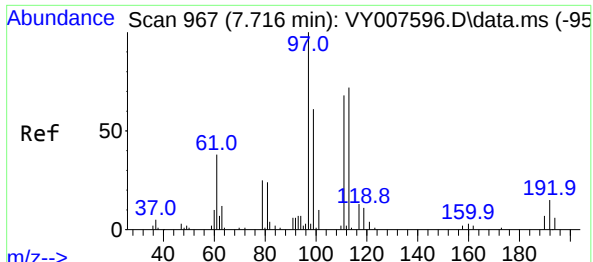
Ion Ratio Lower Upper

114 100

63 16.7 0.0 43.2

88 14.4 0.0 31.8

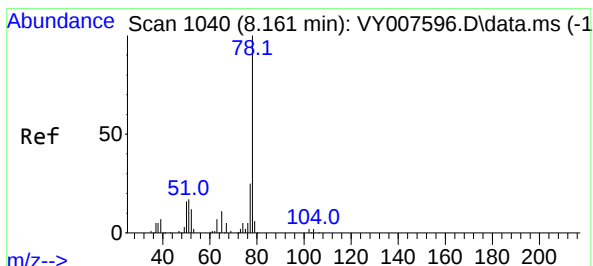
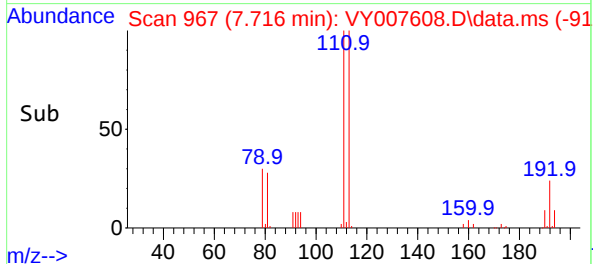
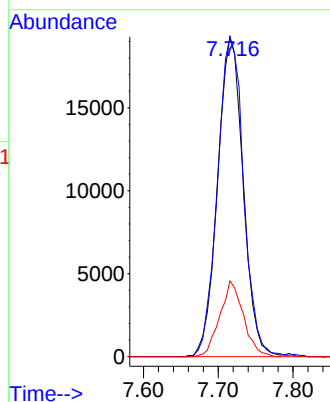
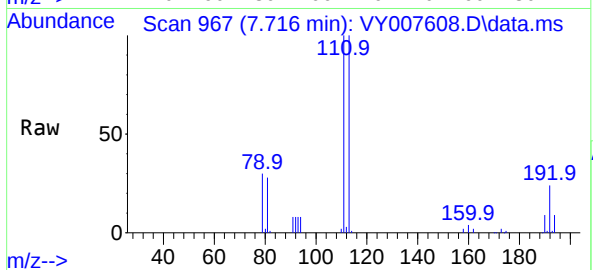




#35
Dibromofluoromethane
Concen: 50.790 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

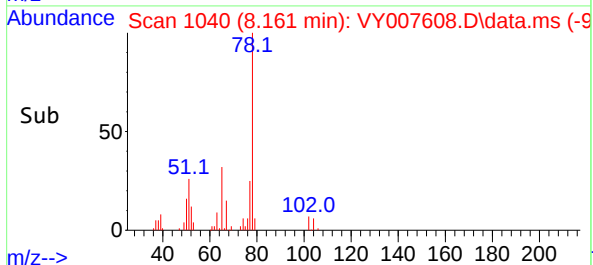
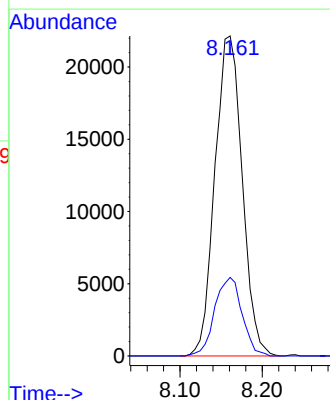
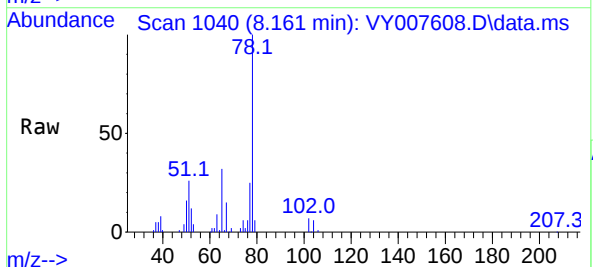
Instrument :
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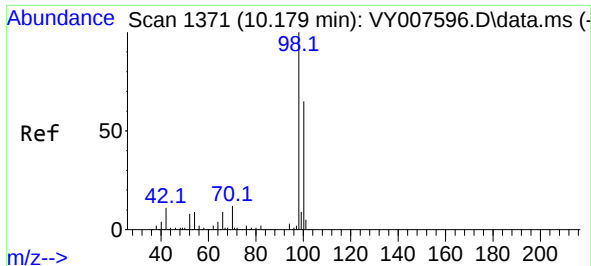
Tgt Ion:113 Resp: 45844
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 21.9 17.6 26.4



#40
Benzene
Concen: 13.778 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion: 78 Resp: 51131
Ion Ratio Lower Upper
78 100
77 24.6 20.4 30.6

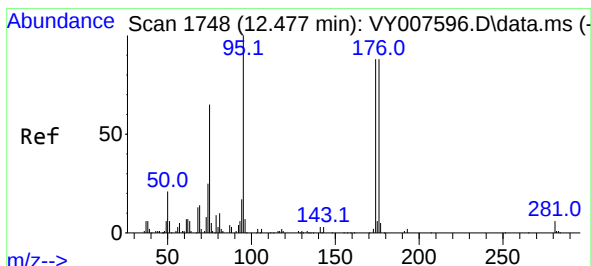
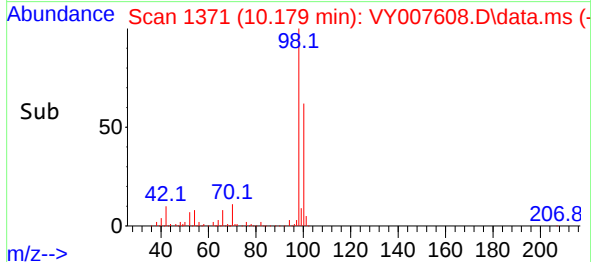
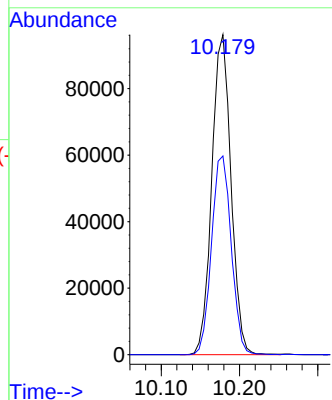
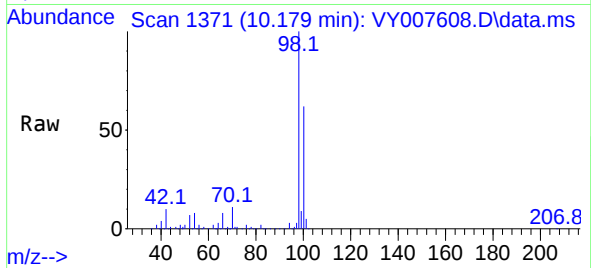




#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

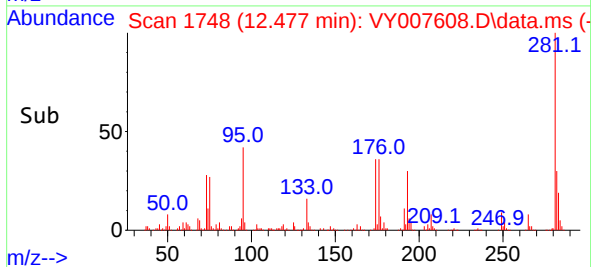
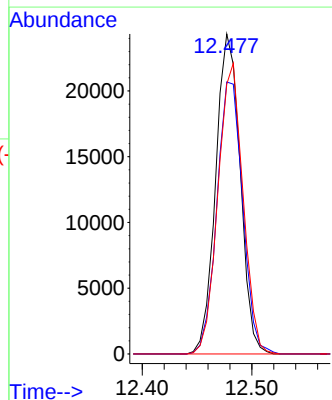
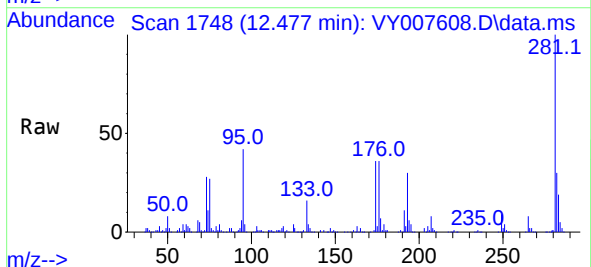
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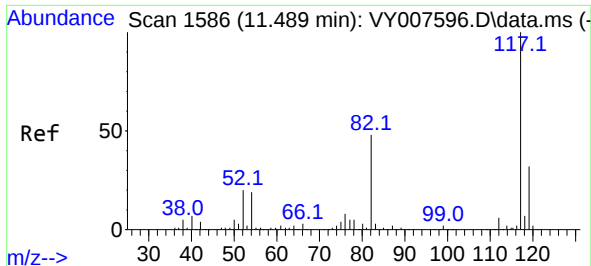
Tgt Ion: 98 Resp: 163853
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.093 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion: 95 Resp: 37770
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 92.6 0.0 175.8

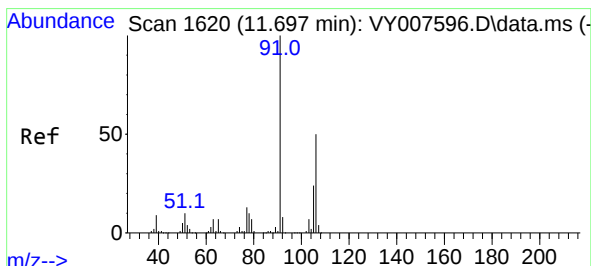
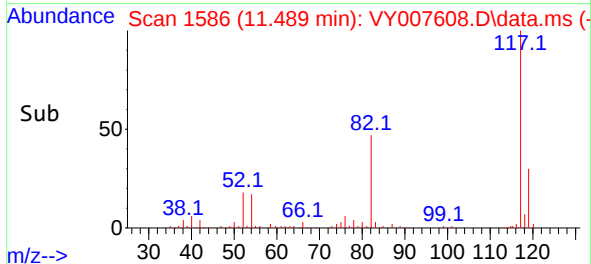
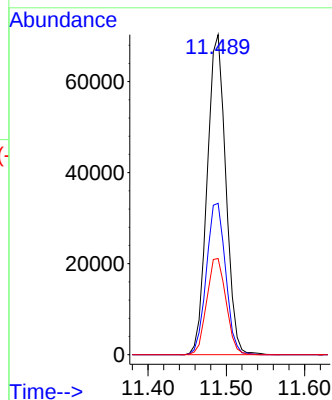
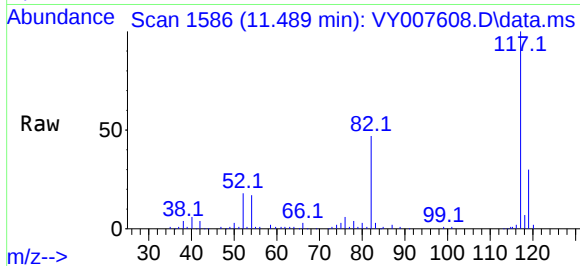




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 115923
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

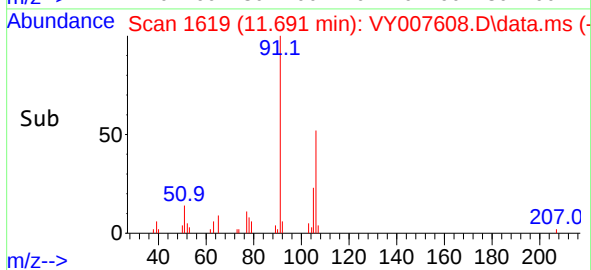
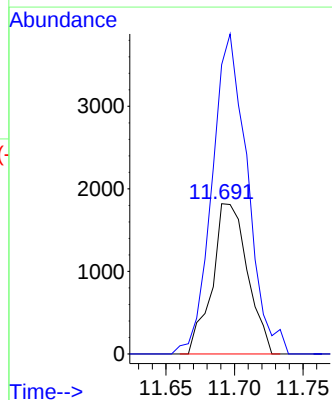
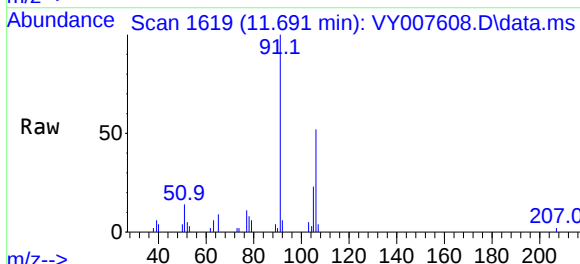
Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

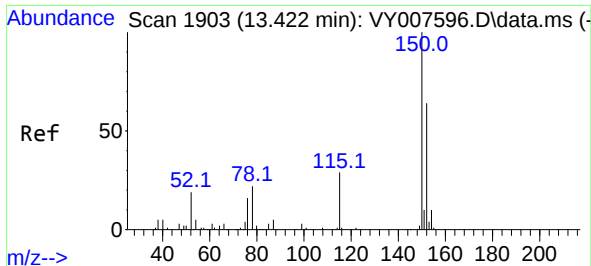
Tgt Ion	Ratio	Lower	Upper
117	100		
82	47.3	43.0	64.4
119	30.1	25.4	38.0



#68
m/p-Xylenes
Concen: 1.959 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.0	166.6	249.8

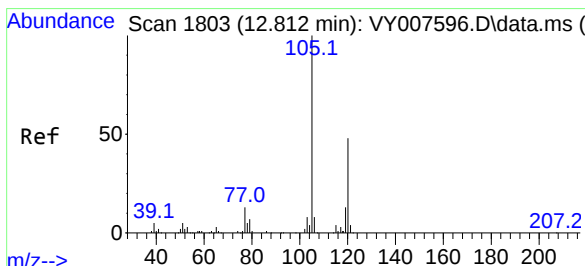
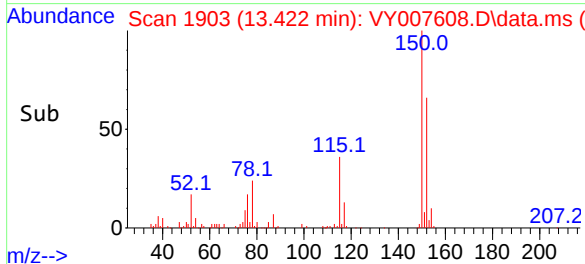
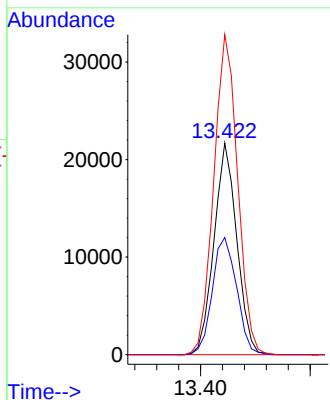
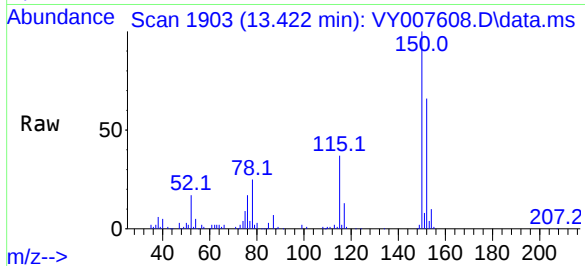




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

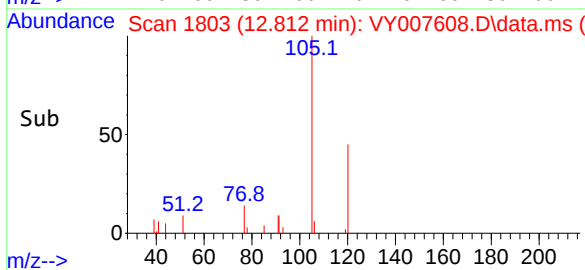
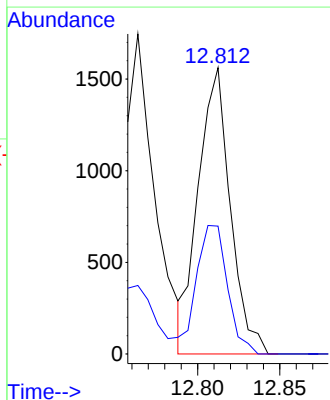
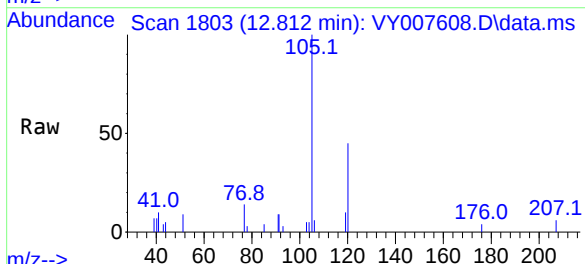
Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

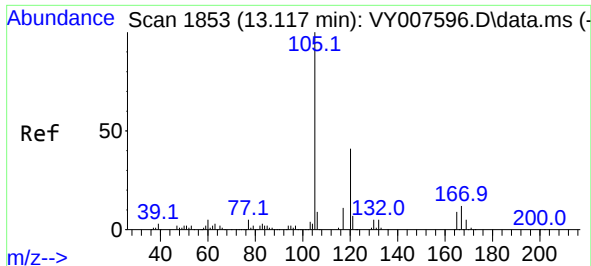
Tgt Ion:152 Resp: 31424
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 158.1 0.0 347.6



#80
1,3,5-Trimethylbenzene
Concen: 1.025 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion:105 Resp: 2110
Ion Ratio Lower Upper
105 100
120 44.9 24.4 73.4

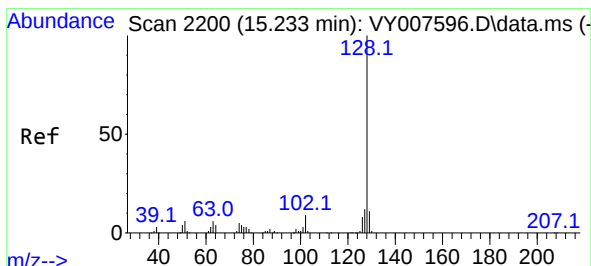
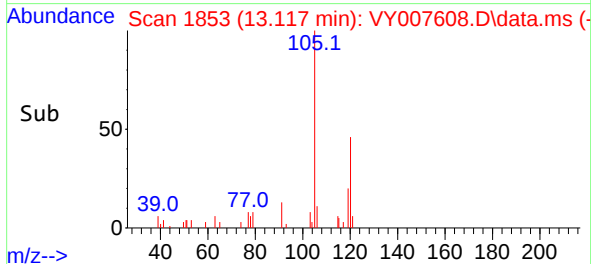
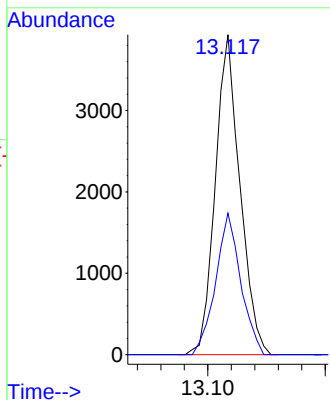
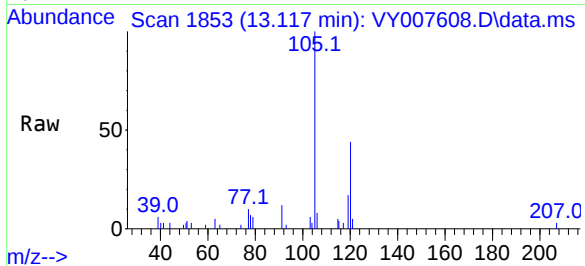




#84
1,2,4-Trimethylbenzene
Concen: 2.837 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Instrument :
MSVOA_Y
ClientSampleId :
D13-12.5

Tgt Ion:105 Resp: 5725
Ion Ratio Lower Upper
105 100
120 44.9 22.3 66.9



#95
Naphthalene
Concen: 1.455 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007608.D
Acq: 23 Feb 2022 19:16

Tgt Ion:128 Resp: 2319
Ion Ratio Lower Upper
128 100
127 15.2 11.0 16.4
129 11.3 8.4 12.6

