

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071422\
 Data File : VY009567.D
 Acq On : 14 Jul 2022 16:30
 Operator : KP/MD
 Sample : N3663-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VB16181RE

Quant Time: Jul 15 01:22:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	96117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	160029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	115078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	31093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36392	54.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.620%	
35) Dibromofluoromethane	7.710	113	32249	38.299	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.600%	
50) Toluene-d8	10.173	98	119825	52.272	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.477	95	25504	21.457	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 42.920%#	

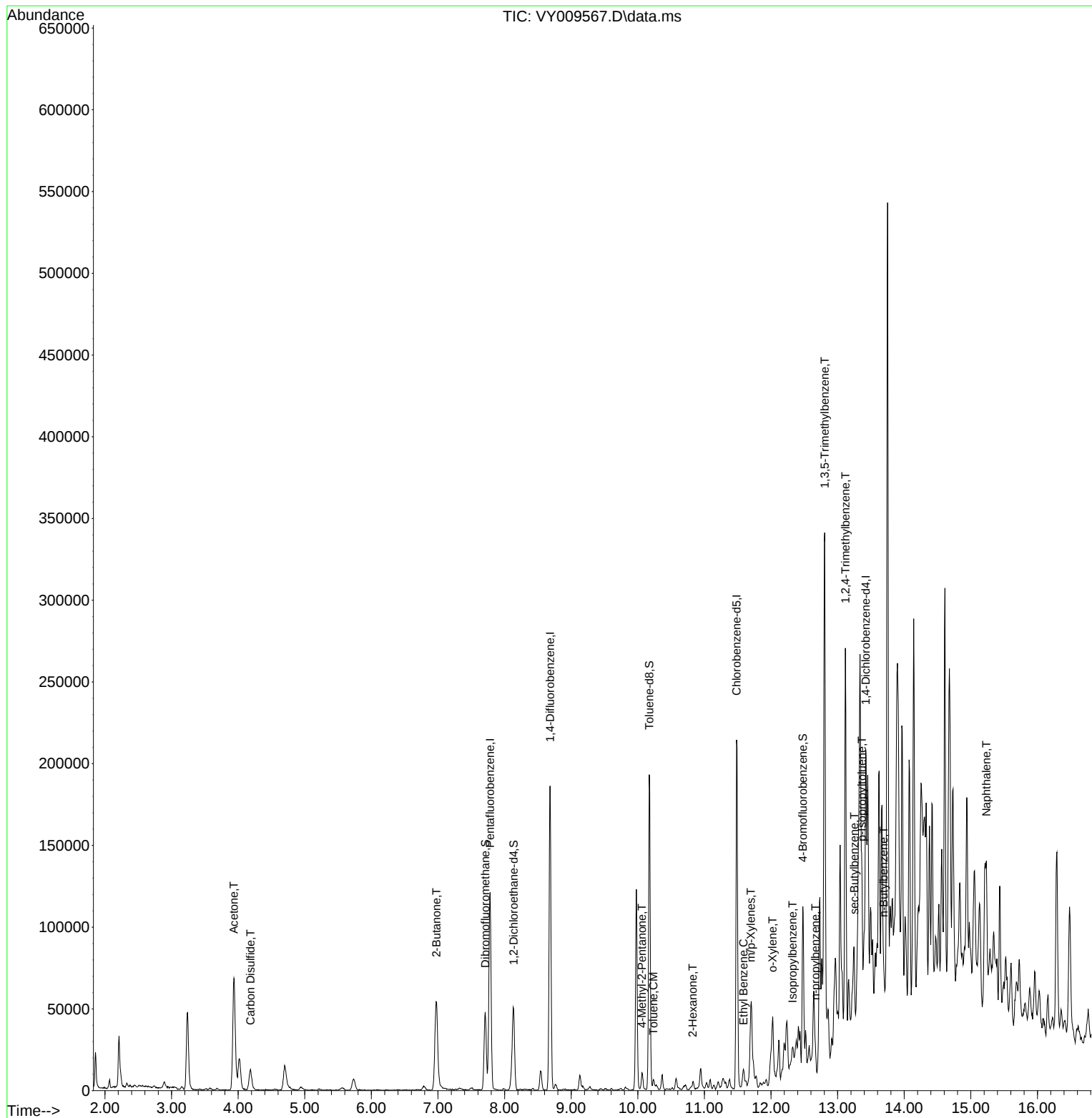
Target Compounds					Qvalue	
16) Acetone	3.936	43	119238	509.958	ug/l	98
17) Carbon Disulfide	4.186	76	20953	11.731	ug/l	98
25) 2-Butanone	6.978	43	34218	90.465	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	6791	8.054	ug/l	93
52) Toluene	10.234	92	2741	1.069	ug/l	95
59) 2-Hexanone	10.825	43	3595	6.153	ug/l	91
67) Ethyl Benzene	11.587	91	6003	1.521	ug/l #	85
68) m/p-Xylenes	11.697	106	10210	6.635	ug/l	89
69) o-Xylene	12.026	106	9216	6.248	ug/l	91
73) Isopropylbenzene	12.325	105	5411	2.545	ug/l	97
78) n-propylbenzene	12.666	91	10083	3.925	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	43801	24.643	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	106882	60.414	ug/l	96
85) sec-Butylbenzene	13.251	105	10576	4.541	ug/l #	74
86) p-Isopropyltoluene	13.367	119	21516m	11.084	ug/l	
89) n-Butylbenzene	13.690	91	9208	5.080	ug/l #	62
95) Naphthalene	15.233	128	60333	51.103	ug/l	99

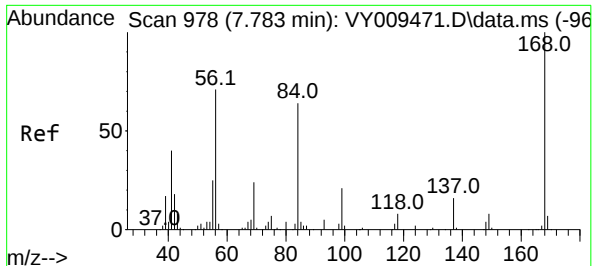
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071422\
Data File : VY009567.D
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Quant Time: Jul 15 01:22:08 2022
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Quant Title : SW846 8260
QLast Update : Fri Jul 08 11:00:56 2022
Response via : Initial Calibration

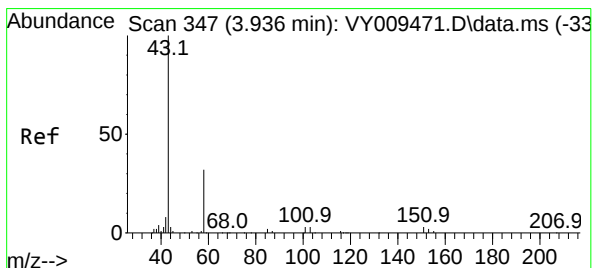
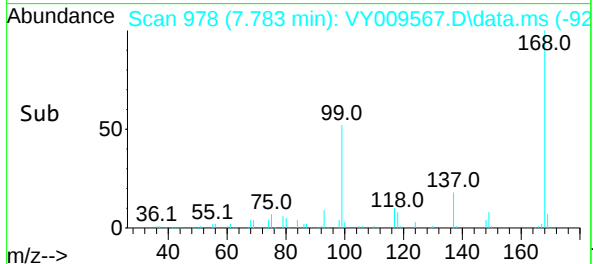
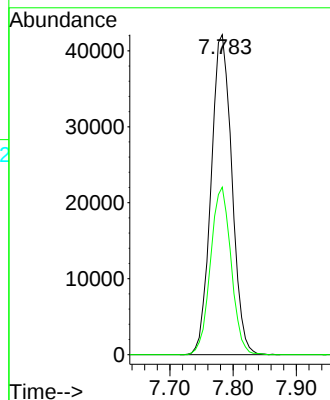
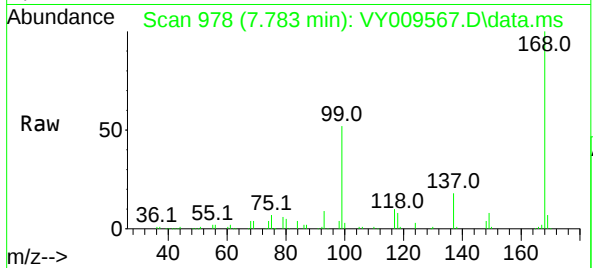




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

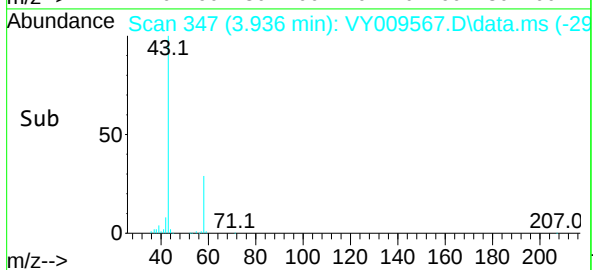
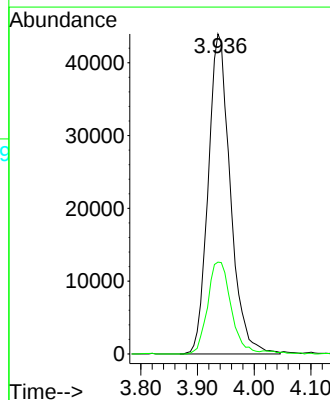
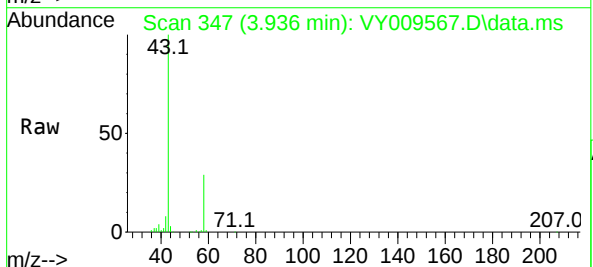
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

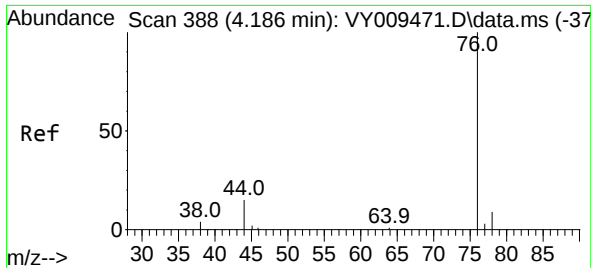
Tgt Ion:168 Resp: 96117
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#16
Acetone
Concen: 509.958 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 43 Resp: 119238
Ion Ratio Lower Upper
43 100
58 28.7 22.0 33.0

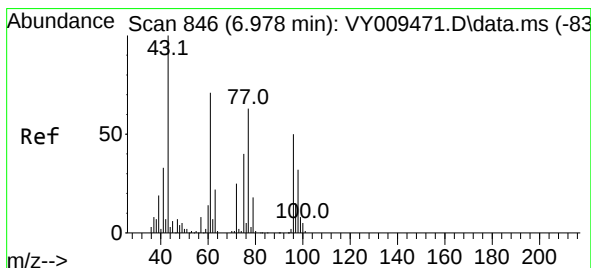
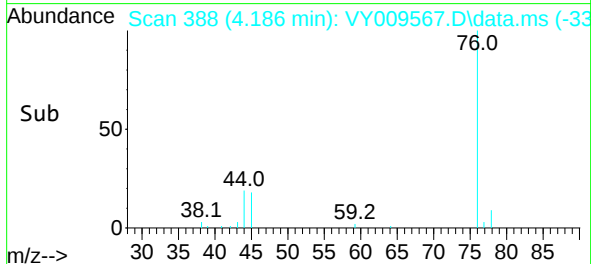
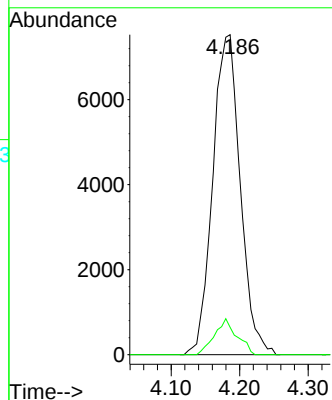
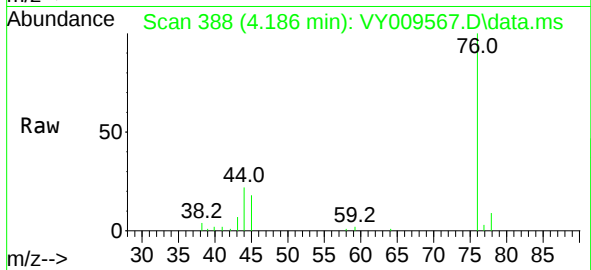




#17
Carbon Disulfide
Concen: 11.731 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

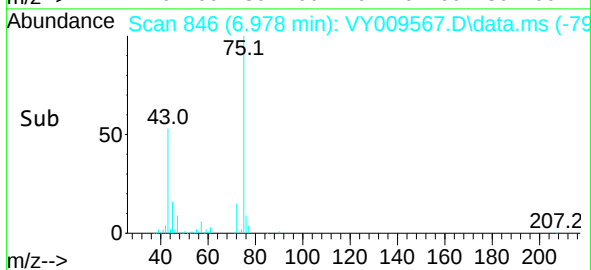
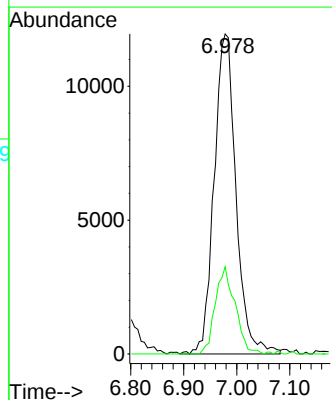
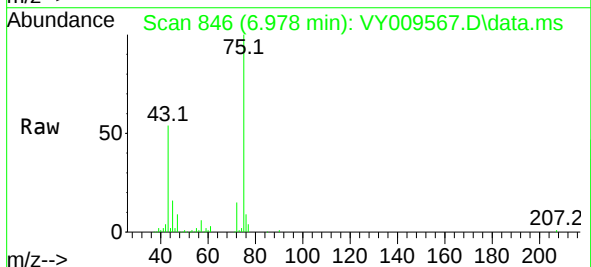
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

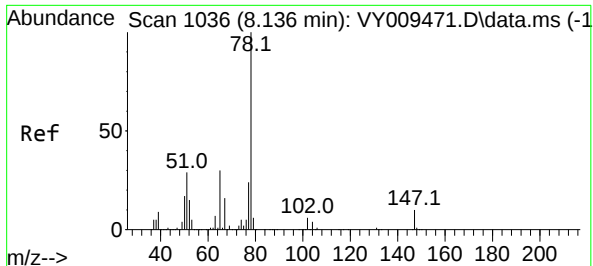
Tgt Ion: 76 Resp: 20953
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#25
2-Butanone
Concen: 90.465 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 43 Resp: 34218
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 54.308 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009567.D

Acq: 14 Jul 2022 16:30

Instrument :

MSVOA_Y

ClientSampleId :

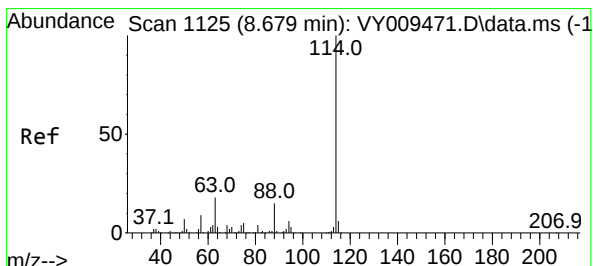
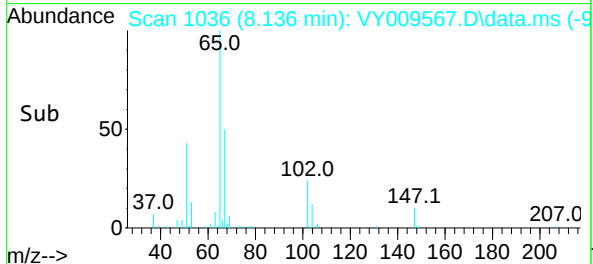
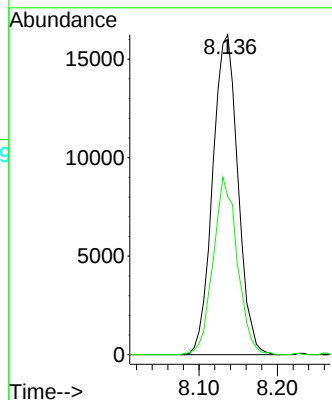
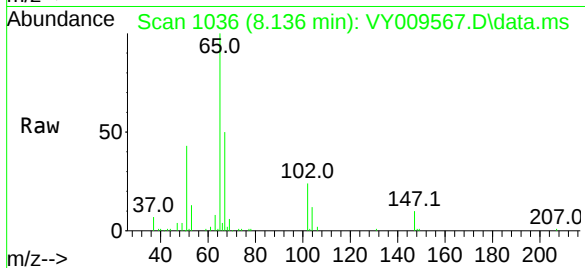
VB16181RE

Tgt Ion: 65 Resp: 36392

Ion Ratio Lower Upper

65 100

67 53.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009567.D

Acq: 14 Jul 2022 16:30

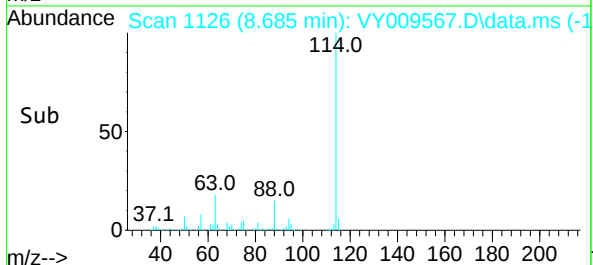
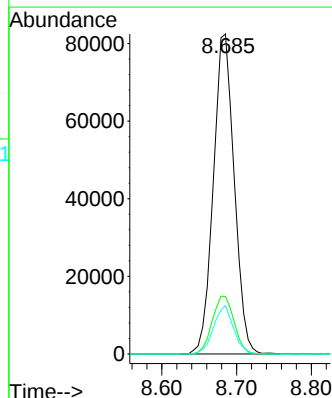
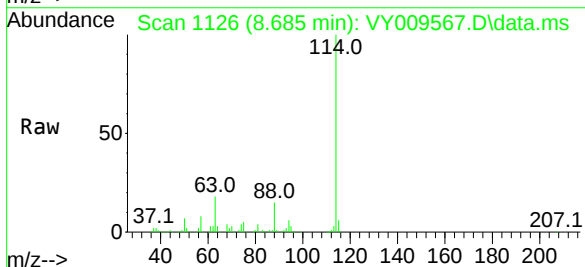
Tgt Ion: 114 Resp: 160029

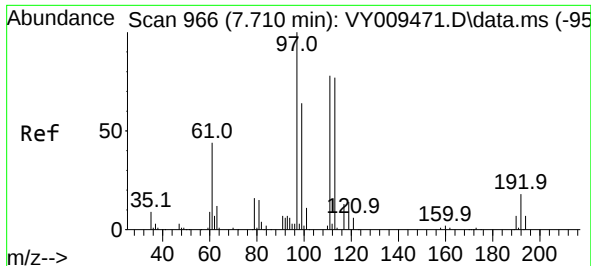
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 15.1 0.0 31.8

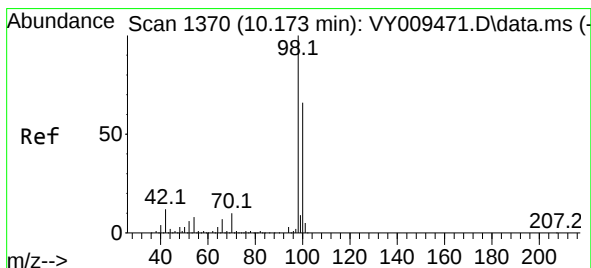
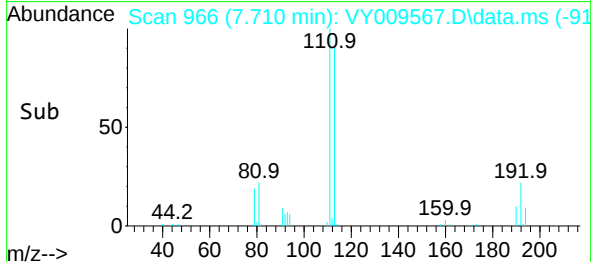
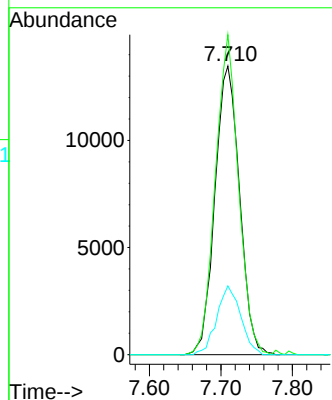
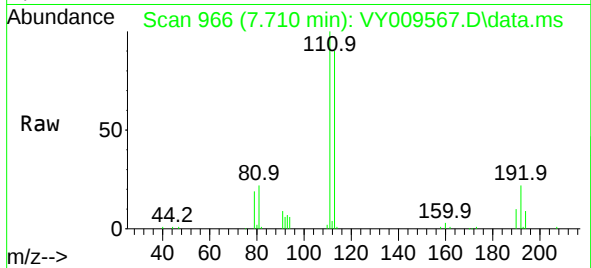




#35
 Dibromofluoromethane
 Concen: 38.299 ug/l
 RT: 7.710 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VY009567.D
 Acq: 14 Jul 2022 16:30

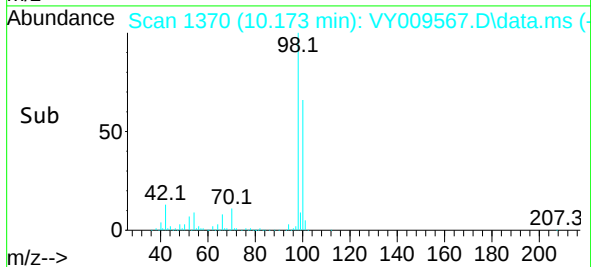
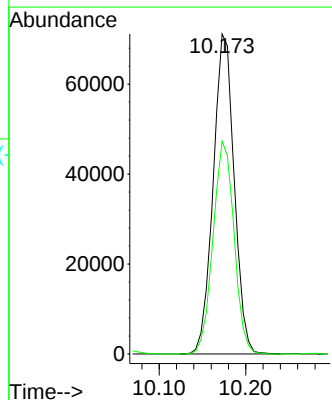
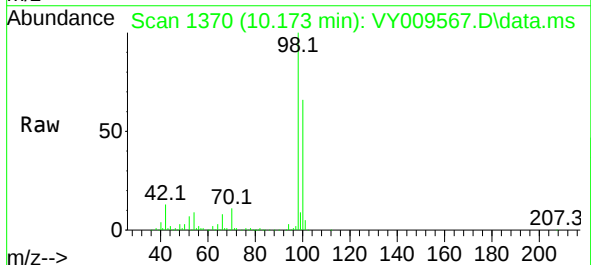
Instrument :
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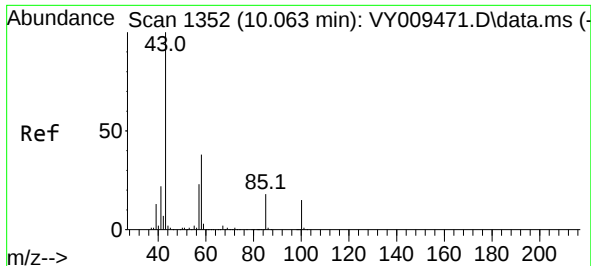
Tgt Ion:113 Resp: 32249
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.6 124.0
 192 23.2 17.6 26.4



#50
 Toluene-d8
 Concen: 52.272 ug/l
 RT: 10.173 min Scan# 1370
 Delta R.T. -0.000 min
 Lab File: VY009567.D
 Acq: 14 Jul 2022 16:30

Tgt Ion: 98 Resp: 119825
 Ion Ratio Lower Upper
 98 100
 100 66.5 50.2 75.2

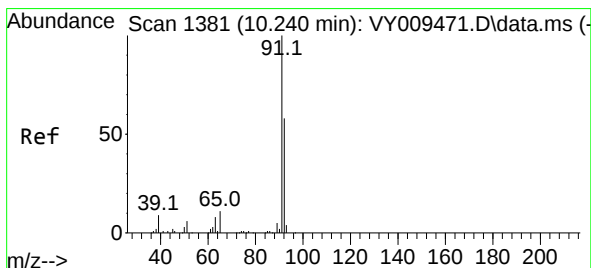
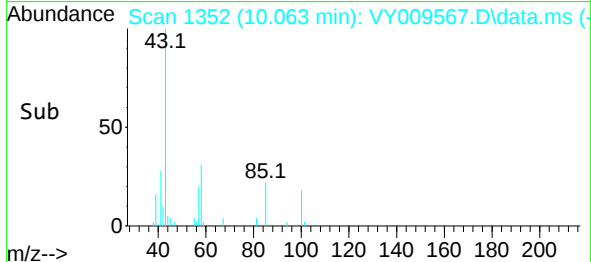
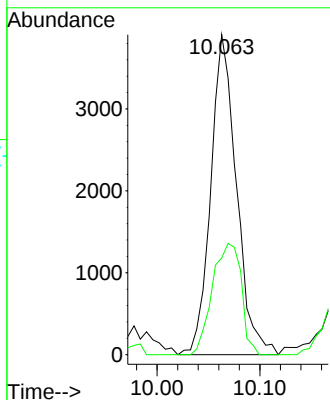
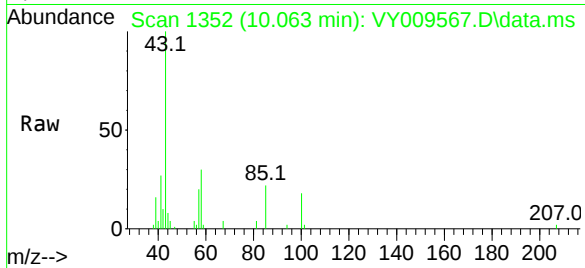




#51
4-Methyl-2-Pentanone
Concen: 8.054 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

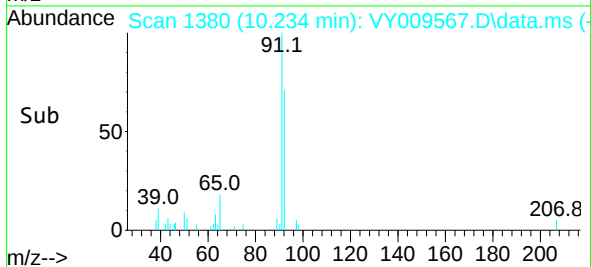
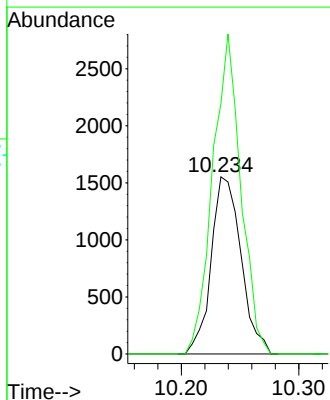
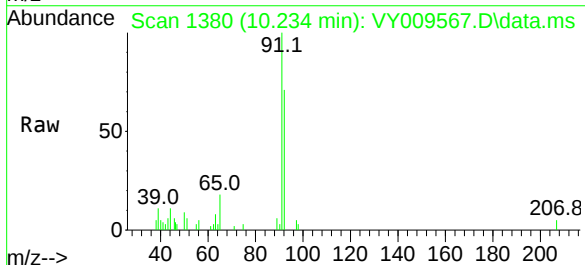
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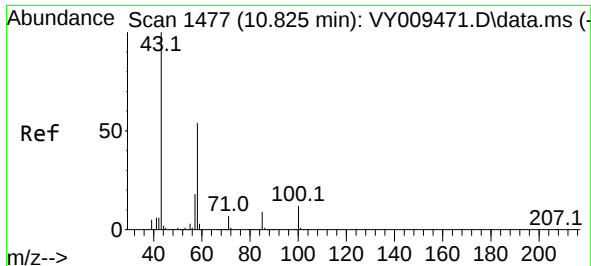
Tgt Ion: 43 Resp: 6791
Ion Ratio Lower Upper
43 100
58 39.0 28.1 42.1



#52
Toluene
Concen: 1.069 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 92 Resp: 2741
Ion Ratio Lower Upper
92 100
91 170.5 142.6 213.8

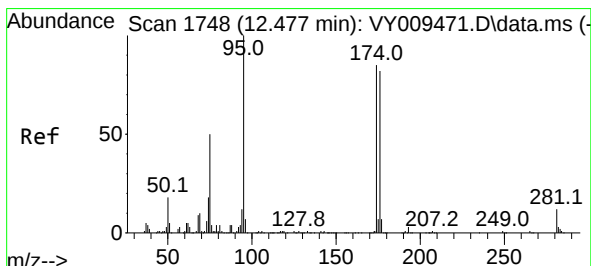
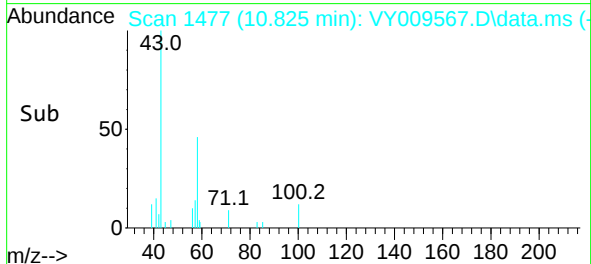
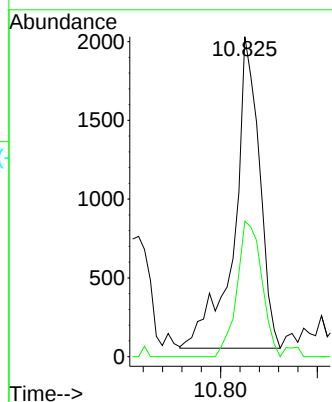
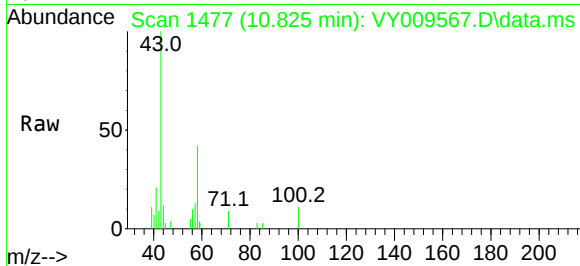




#59
2-Hexanone
Concen: 6.153 ug/l
RT: 10.825 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

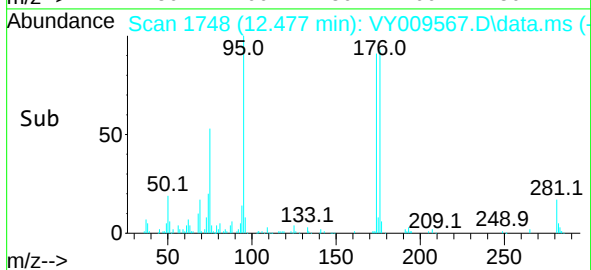
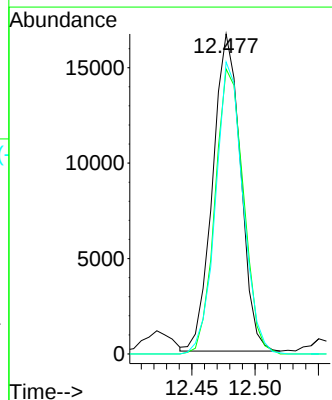
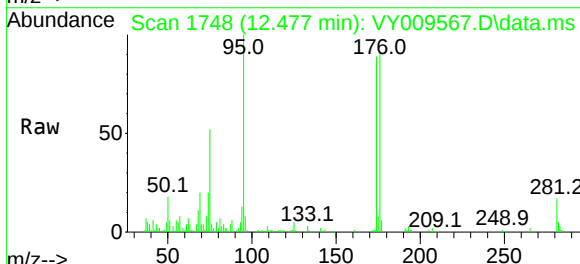
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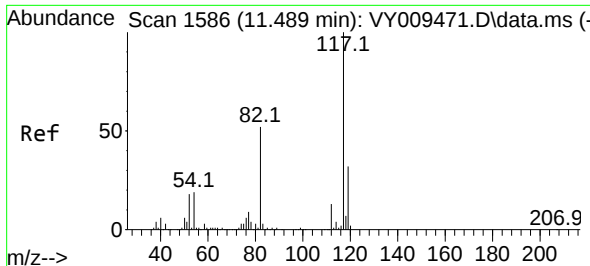
Tgt Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
58 42.4 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 21.457 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 95 Resp: 25504
Ion Ratio Lower Upper
95 100
174 91.2 0.0 177.0
176 89.9 0.0 175.8

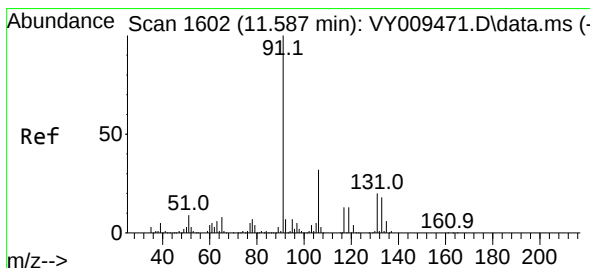
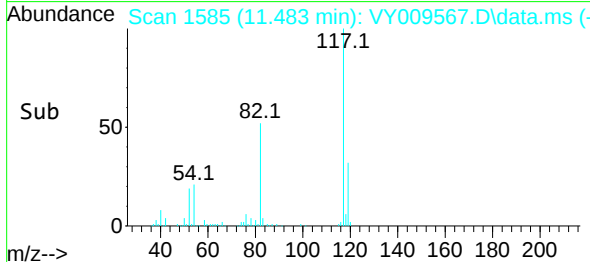
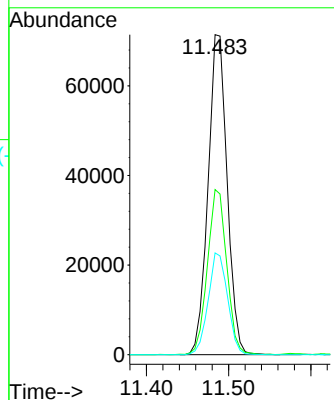
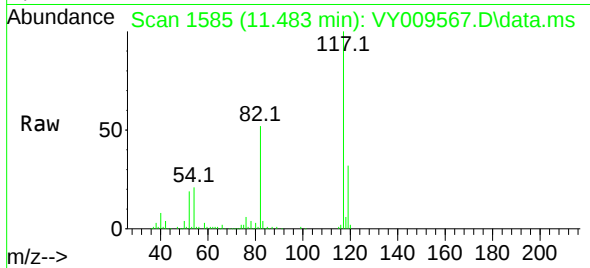




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

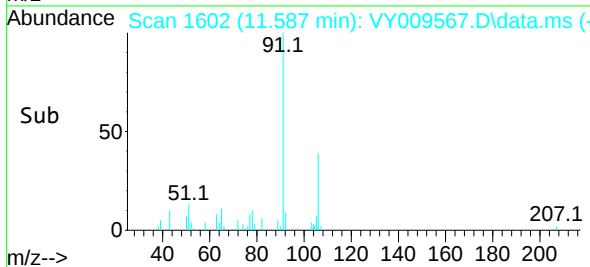
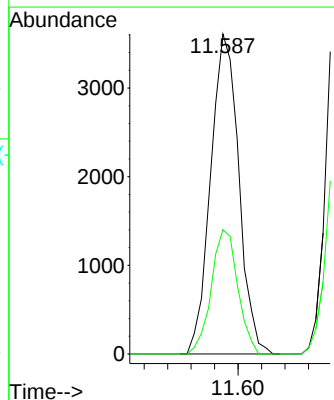
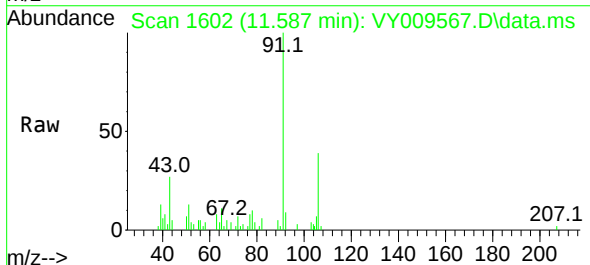
Instrument :
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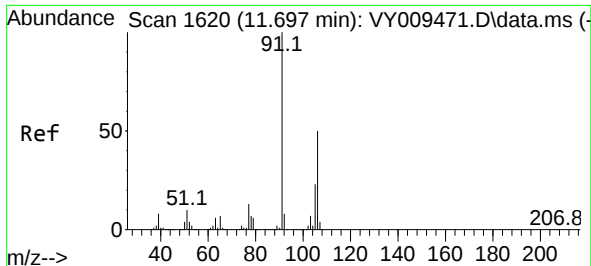
Tgt Ion:117 Resp: 115078
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 31.8 25.4 38.0



#67
Ethyl Benzene
Concen: 1.521 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 91 Resp: 6003
Ion Ratio Lower Upper
91 100
106 38.9 24.5 36.7#

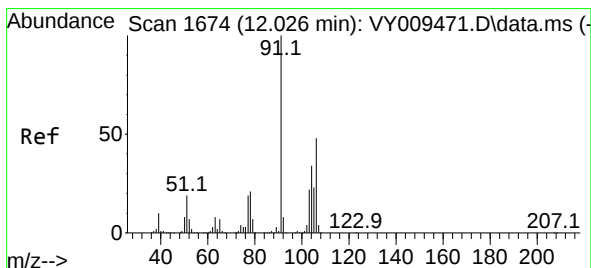
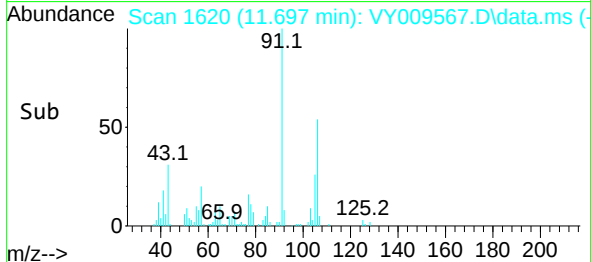
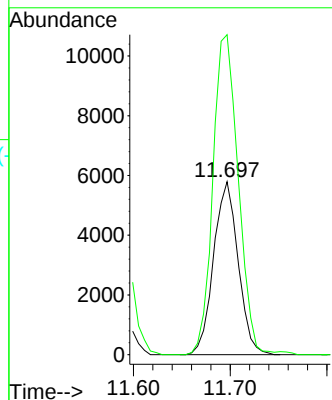
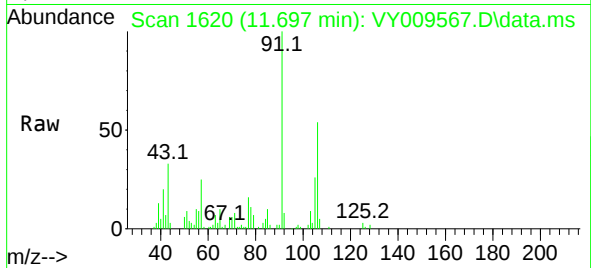




#68
m/p-Xylenes
Concen: 6.635 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

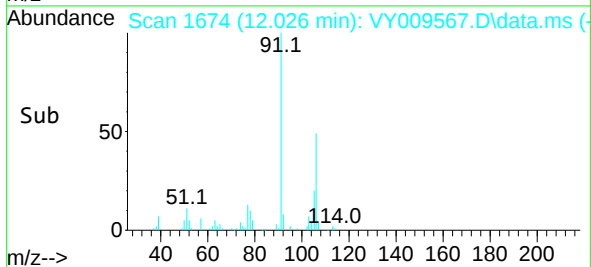
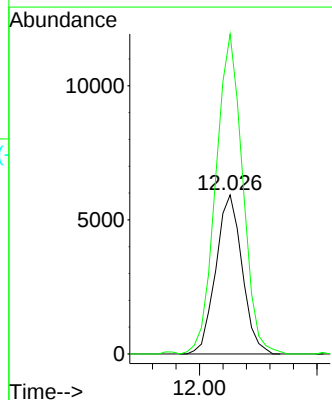
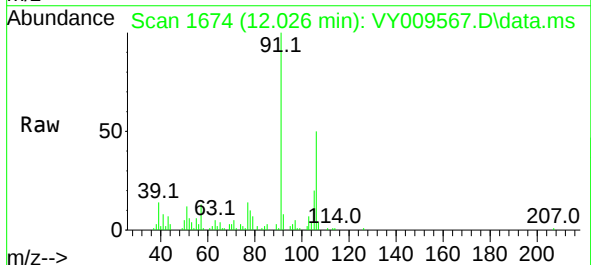
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

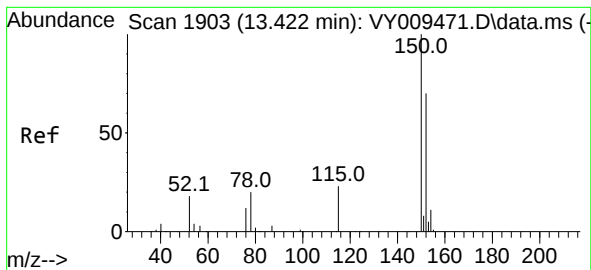
Tgt Ion:106 Resp: 10210
Ion Ratio Lower Upper
106 100
91 191.2 166.6 249.8



#69
o-Xylene
Concen: 6.248 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion:106 Resp: 9216
Ion Ratio Lower Upper
106 100
91 205.9 110.3 331.0

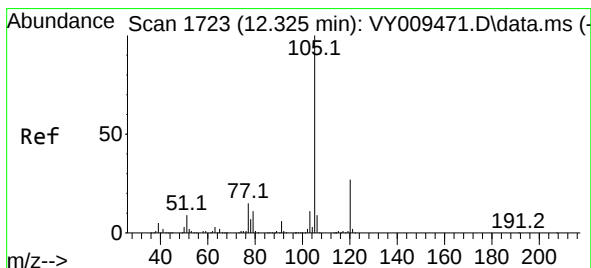
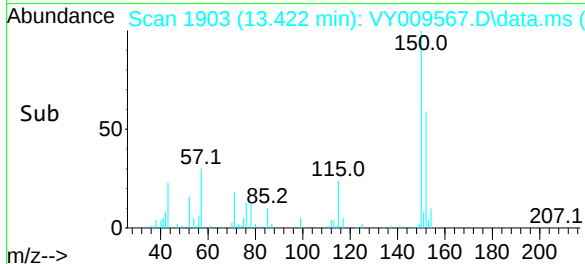
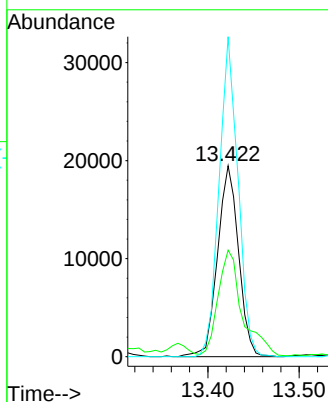
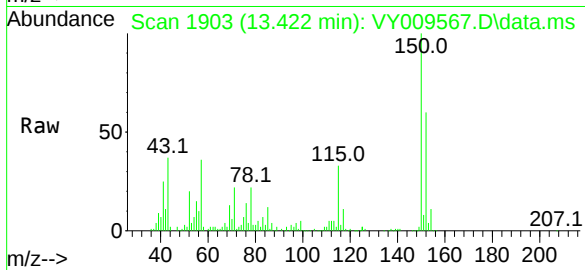




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

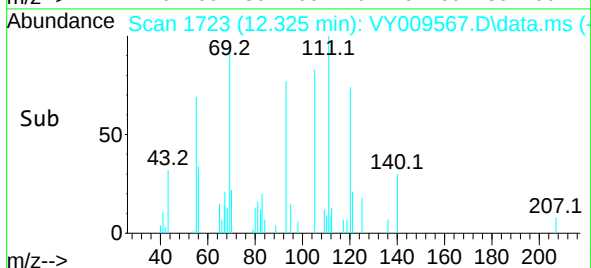
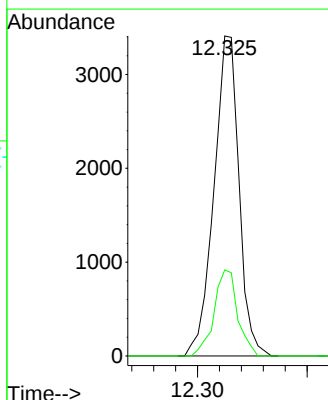
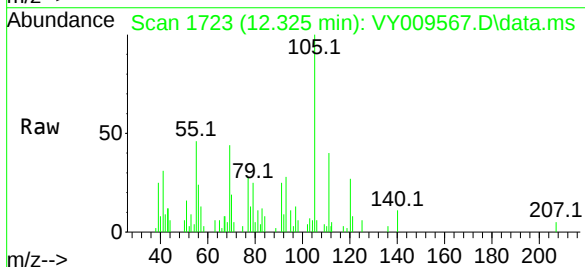
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

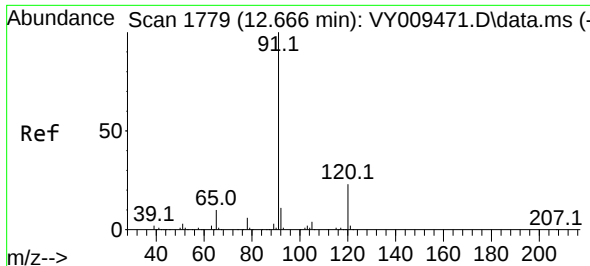
Tgt Ion:152 Resp: 31093
Ion Ratio Lower Upper
152 100
115 63.7 28.2 84.7
150 151.0 0.0 347.6



#73
Isopropylbenzene
Concen: 2.545 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion:105 Resp: 5411
Ion Ratio Lower Upper
105 100
120 25.3 13.4 40.2

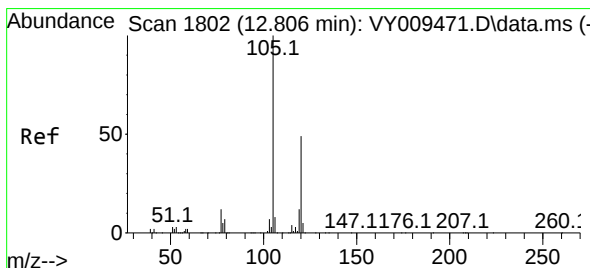
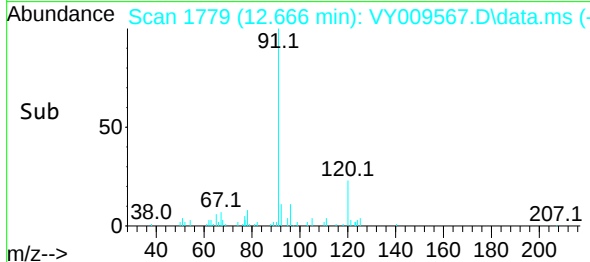
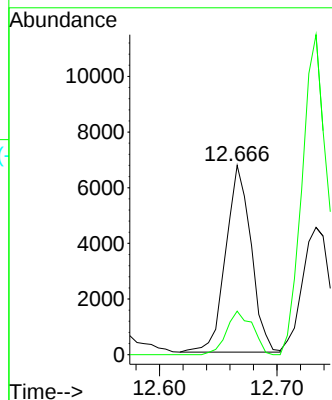
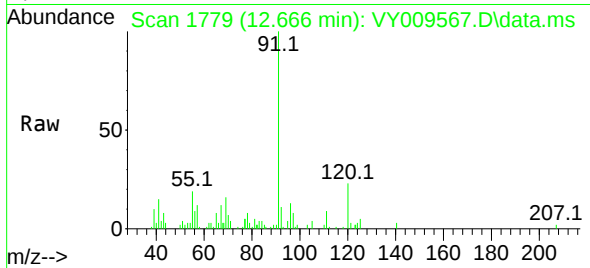




#78
n-propylbenzene
Concen: 3.925 ug/l
RT: 12.666 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

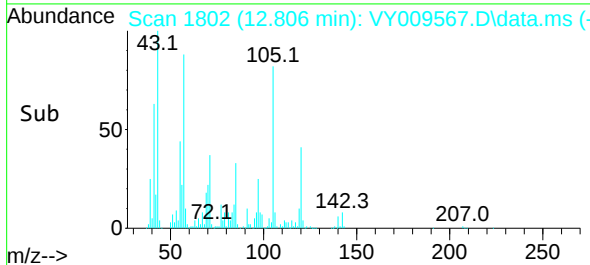
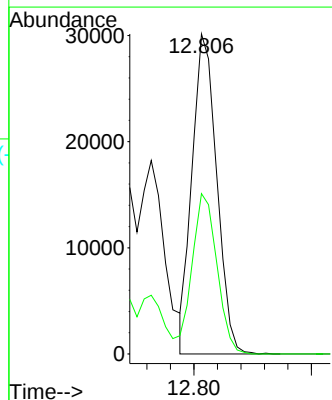
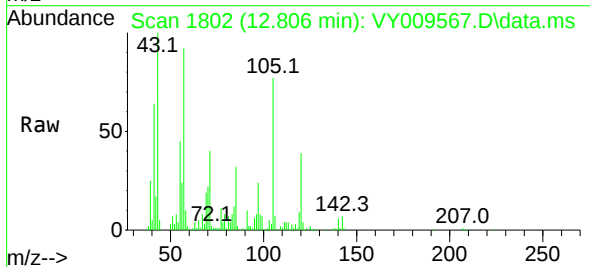
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

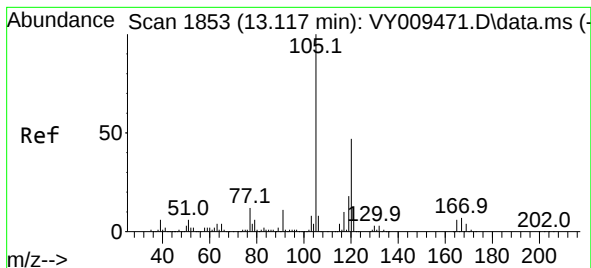
Tgt Ion: 91 Resp: 10083
Ion Ratio Lower Upper
91 100
120 23.9 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 24.643 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 105 Resp: 43801
Ion Ratio Lower Upper
105 100
120 51.2 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 60.414 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009567.D

Acq: 14 Jul 2022 16:30

Instrument :

MSVOA_Y

ClientSampleId :

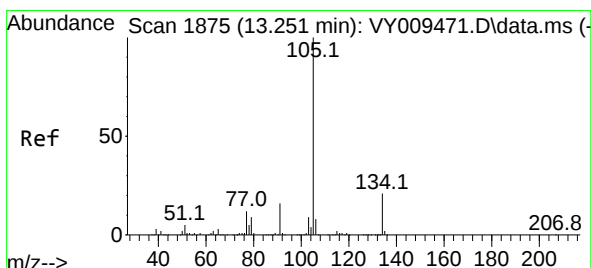
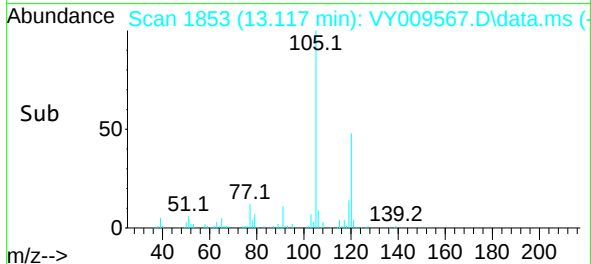
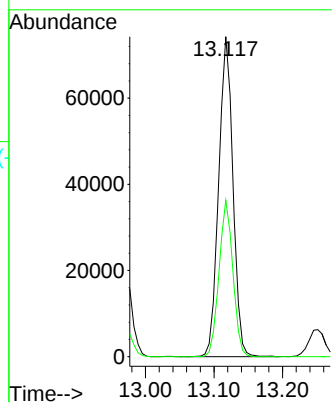
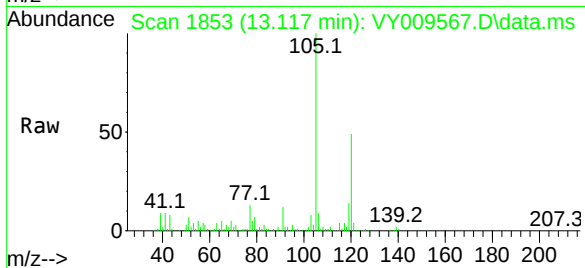
VB16181RE

Tgt Ion:105 Resp: 106882

Ion Ratio Lower Upper

105 100

120 47.4 22.3 66.9



#85

sec-Butylbenzene

Concen: 4.541 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009567.D

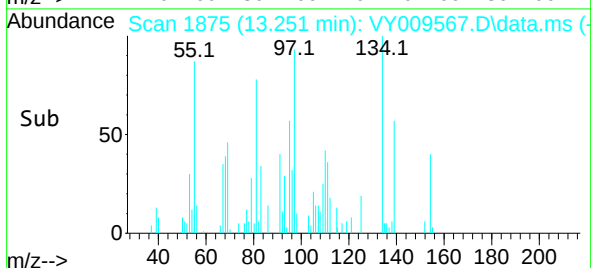
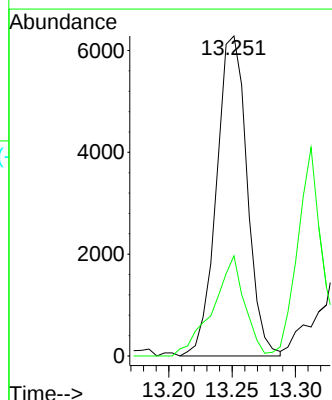
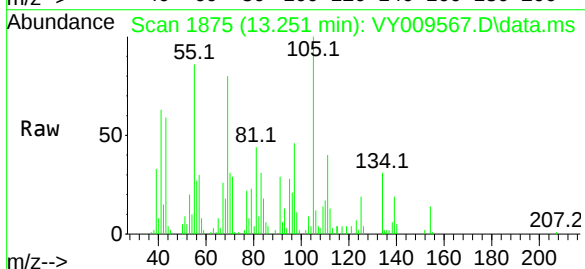
Acq: 14 Jul 2022 16:30

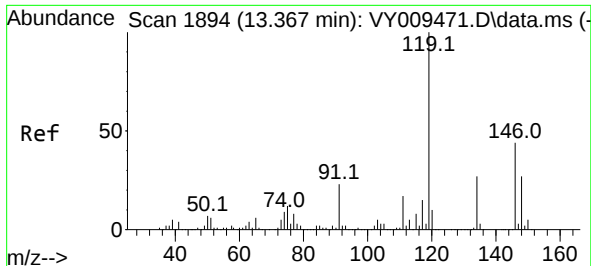
Tgt Ion:105 Resp: 10576

Ion Ratio Lower Upper

105 100

134 32.3 10.2 30.4#

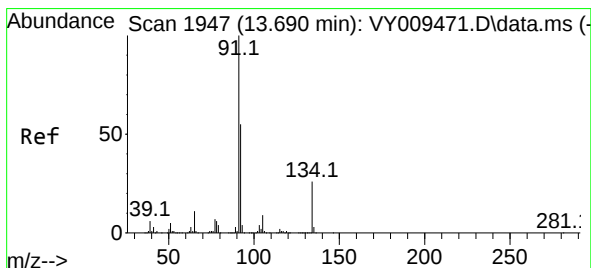
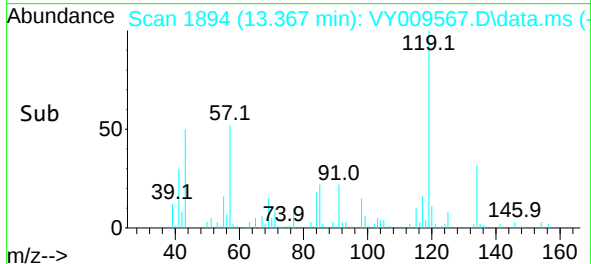
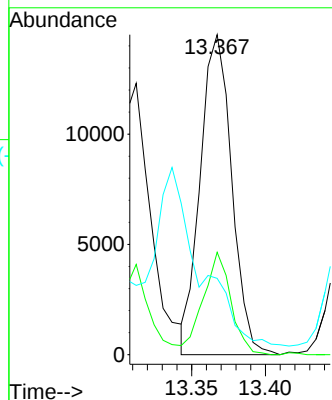
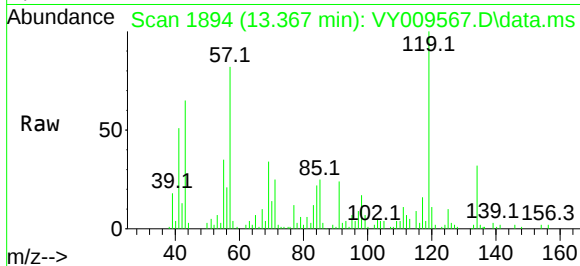




#86
p-Isopropyltoluene
Concen: 11.084 ug/l m
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

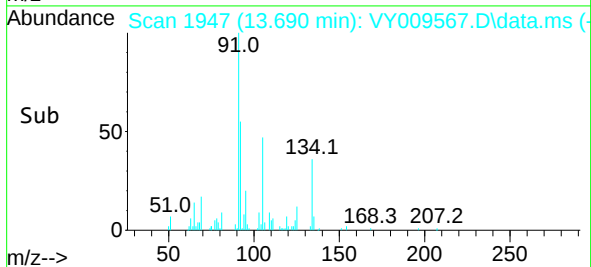
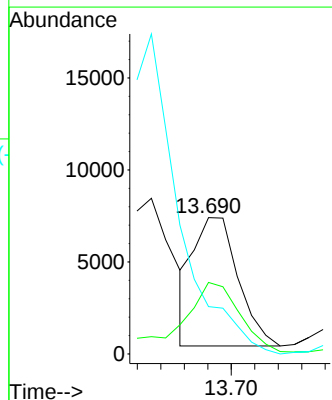
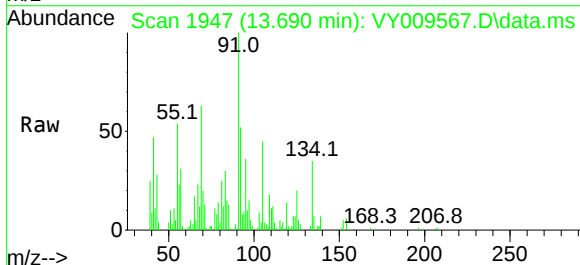
Instrument :
MSVOA_Y
ClientSampleId :
VB16181RE

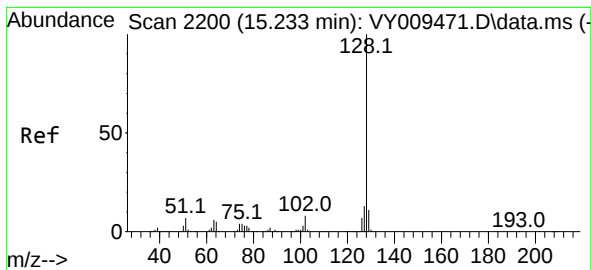
Tgt Ion:119 Resp: 21516
Ion Ratio Lower Upper
119 100
134 3.8 13.2 39.5#
91 4.3 12.4 37.2#



#89
n-Butylbenzene
Concen: 5.080 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VY009567.D
Acq: 14 Jul 2022 16:30

Tgt Ion: 91 Resp: 9208
Ion Ratio Lower Upper
91 100
92 74.6 26.3 78.9
134 0.0 13.0 38.9#





#95

Naphthalene

Concen: 51.103 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009567.D

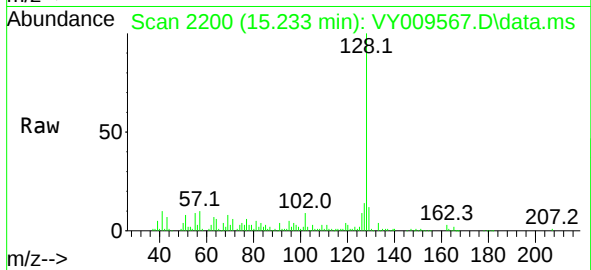
Acq: 14 Jul 2022 16:30

Instrument :

MSVOA_Y

ClientSampleId :

VB16181RE



Tgt Ion:128 Resp: 60333

Ion Ratio Lower Upper

128 100

127 13.9 11.0 16.4

129 11.3 8.4 12.6

