

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009349.D
 Acq On : 27 Jun 2022 17:39
 Operator : KP/MD
 Sample : N3434-03
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2204-27.5

Quant Time: Jun 28 04:31:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

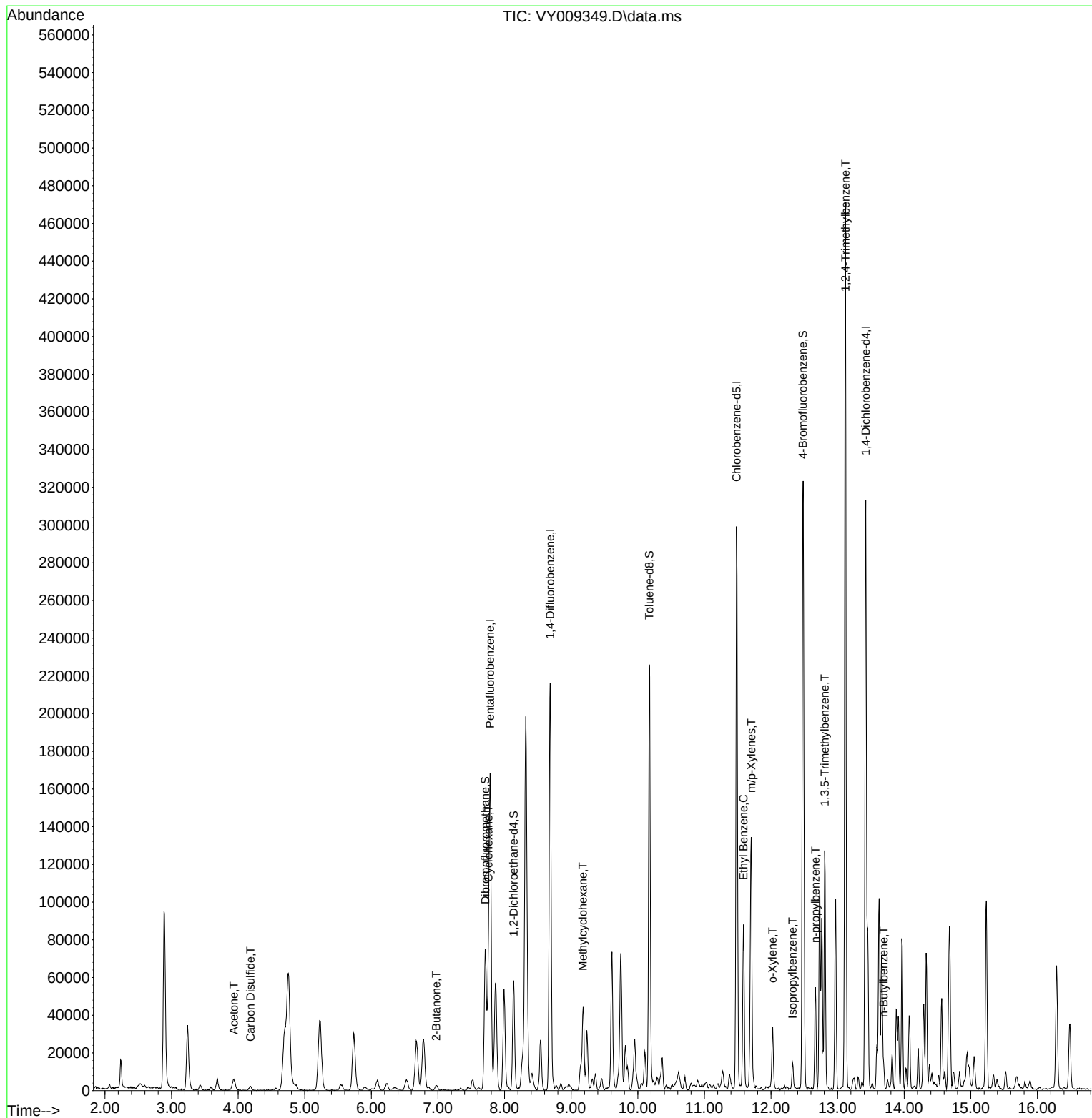
Internal Standards						
1) Pentafluorobenzene	7.783	168	120224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	182874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	164946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	83359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	44218	48.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.420%
35) Dibromofluoromethane	7.710	113	49105	49.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.173	98	140980	48.708	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.477	95	68836	48.965	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.940%
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	6918	22.508	ug/l	96
17) Carbon Disulfide	4.186	76	4017	1.100	ug/l #	89
25) 2-Butanone	6.972	43	3136	6.785	ug/l	97
31) Cyclohexane	7.759	56	14107	6.489	ug/l #	60
39) Methylcyclohexane	9.173	83	11113	5.384	ug/l	96
67) Ethyl Benzene	11.587	91	56085	9.705	ug/l	96
68) m/p-Xylenes	11.703	106	40741	17.945	ug/l	96
69) o-Xylene	12.026	106	8414	3.949	ug/l	96
73) Isopropylbenzene	12.325	105	8415	1.464	ug/l	100
78) n-propylbenzene	12.666	91	39272	5.541	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	61115	12.624	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	239175	50.108	ug/l	97
89) n-Butylbenzene	13.690	91	5610	1.151	ug/l #	68

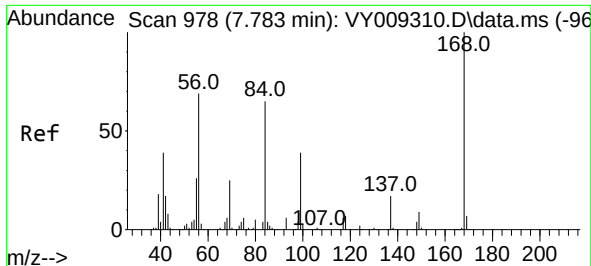
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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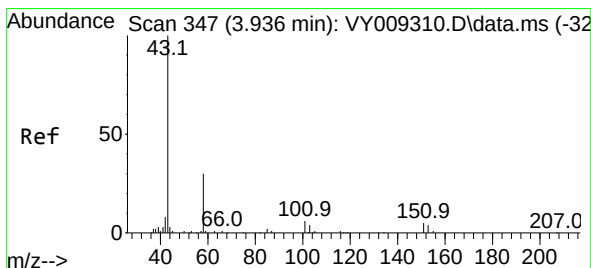
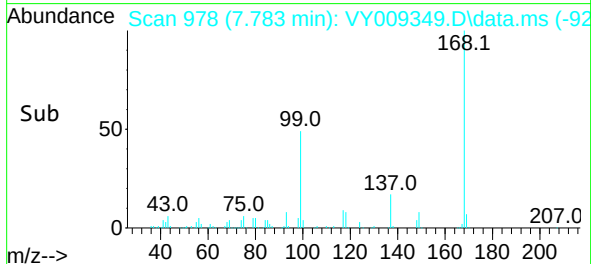
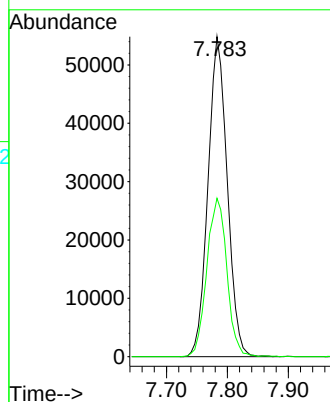
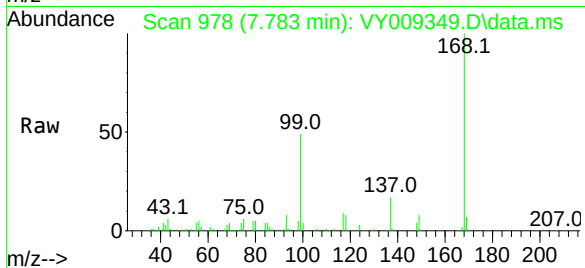




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

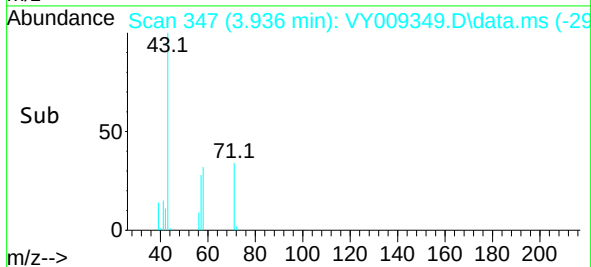
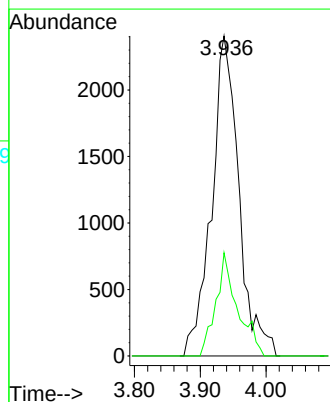
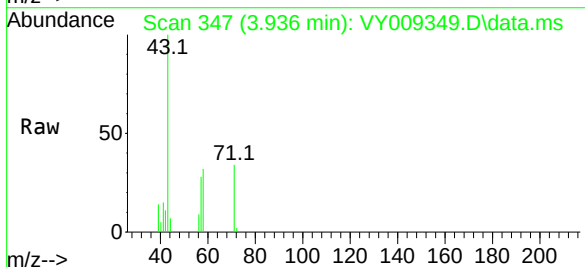
Instrument :
MSVOA_Y
ClientSampleId :
B2204-27.5

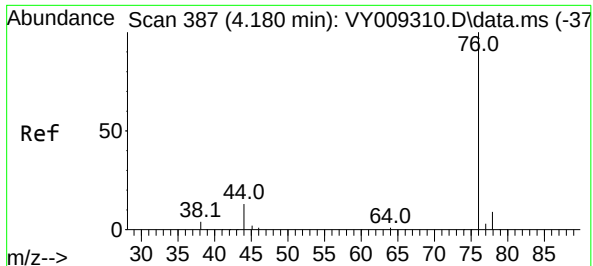
Tgt Ion:168 Resp: 120224
Ion Ratio Lower Upper
168 100
99 49.5 42.1 63.1



#16
Acetone
Concen: 22.508 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion: 43 Resp: 6918
Ion Ratio Lower Upper
43 100
58 32.3 24.0 36.0

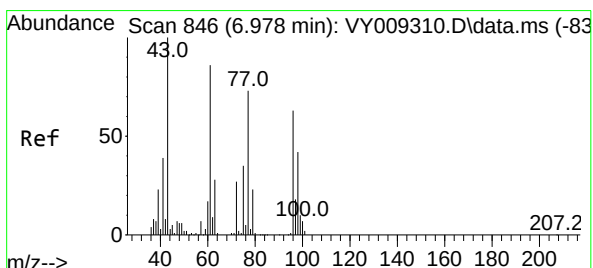
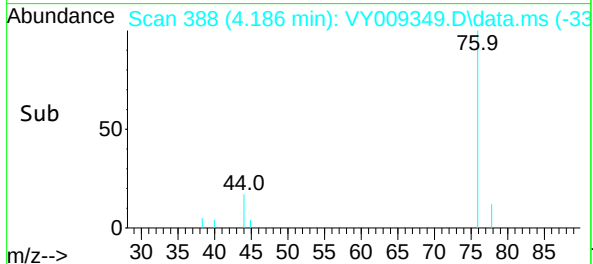
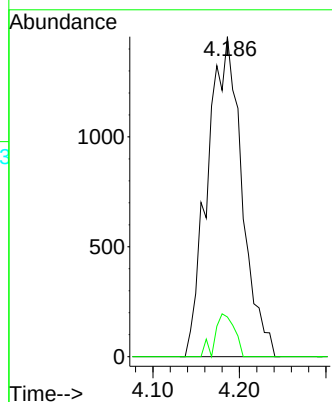
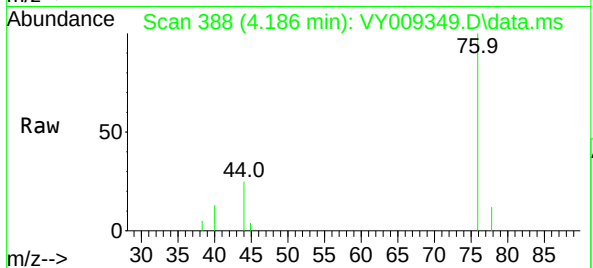




#17
Carbon Disulfide
Concen: 1.100 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

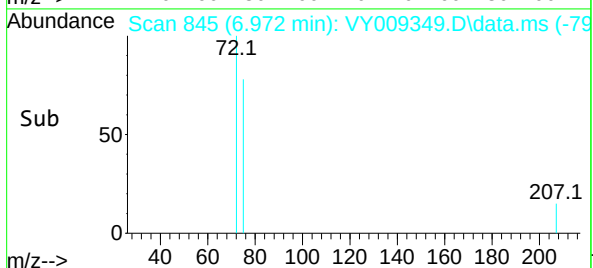
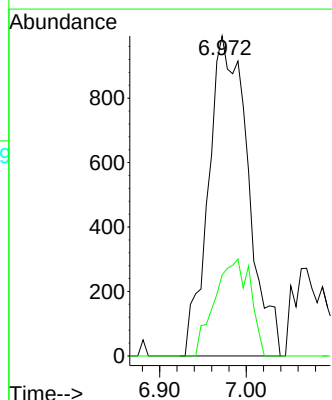
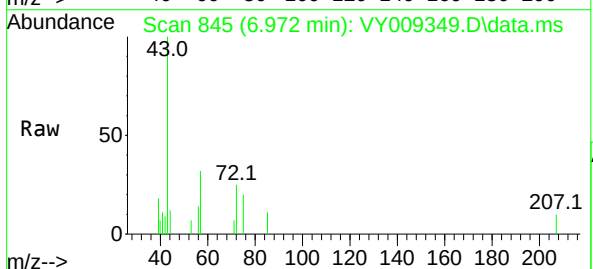
Instrument :
MSVOA_Y
ClientSampleId :
B2204-27.5

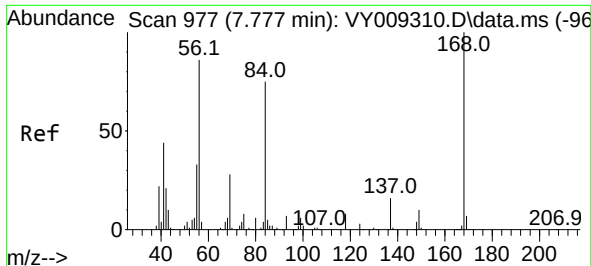
Tgt Ion: 76 Resp: 4017
Ion Ratio Lower Upper
76 100
78 12.4 6.8 10.2#



#25
2-Butanone
Concen: 6.785 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
72 25.3 21.5 32.3

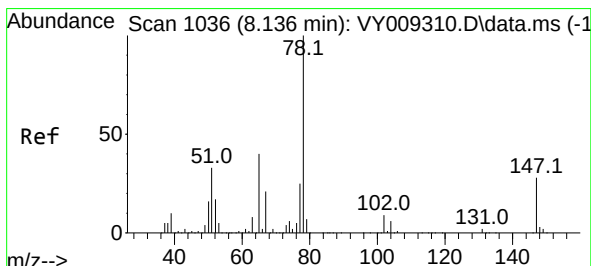
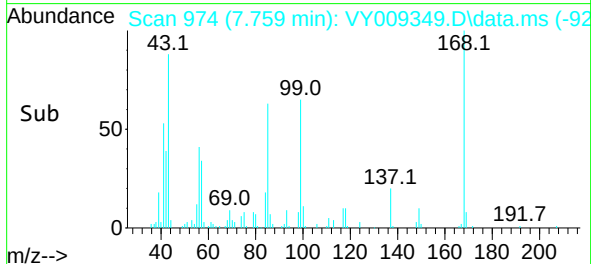
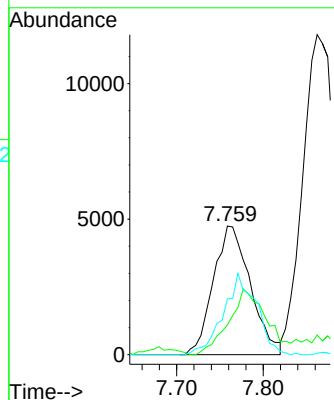
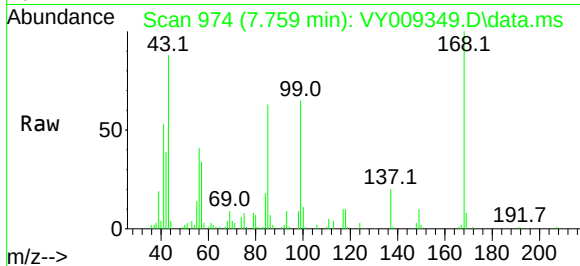




#31
Cyclohexane
Concen: 6.489 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

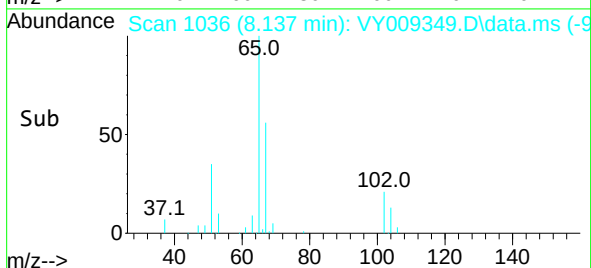
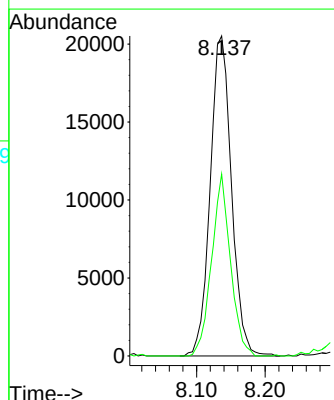
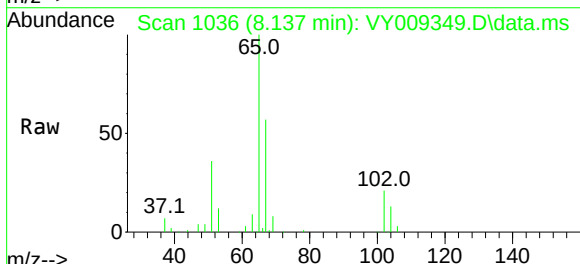
Instrument :
MSVOA_Y
ClientSampleId :
B2204-27.5

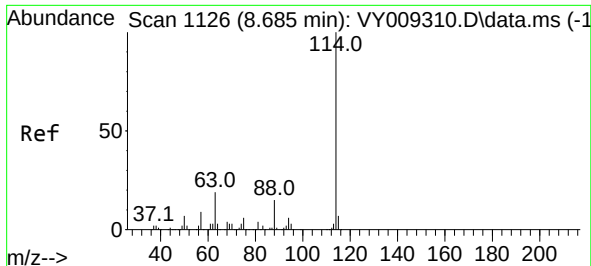
Tgt Ion: 56 Resp: 14107
Ion Ratio Lower Upper
56 100
69 20.4 26.0 39.0#
84 43.4 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 48.715 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion: 65 Resp: 44218
Ion Ratio Lower Upper
65 100
67 50.4 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009349.D

Acq: 27 Jun 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

B2204-27.5

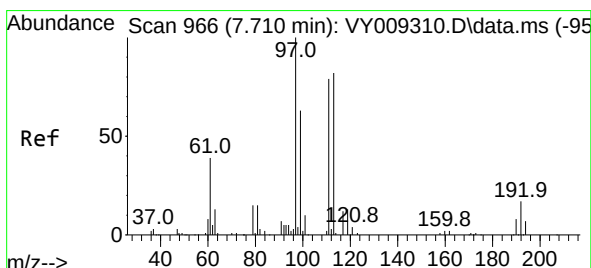
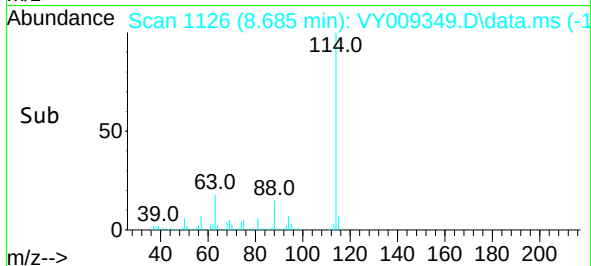
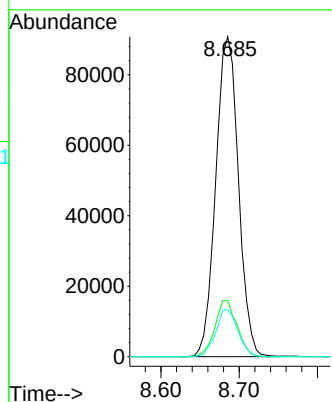
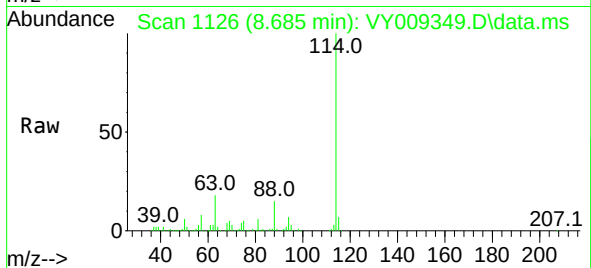
Tgt Ion:114 Resp: 182874

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.0

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.748 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009349.D

Acq: 27 Jun 2022 17:39

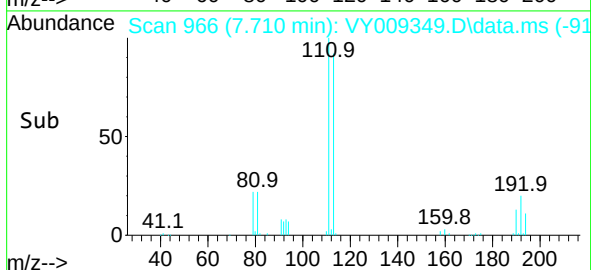
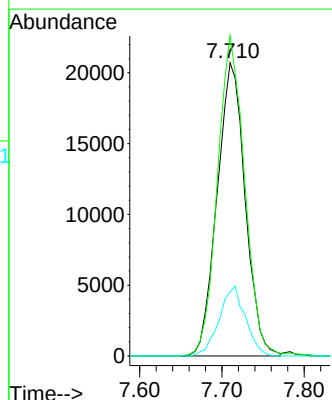
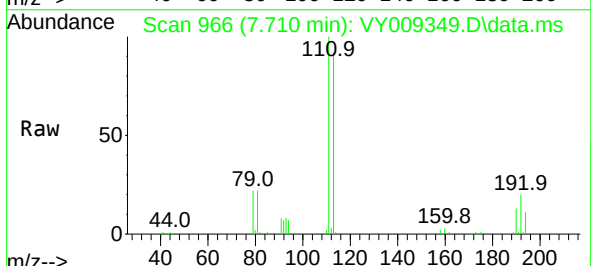
Tgt Ion:113 Resp: 49105

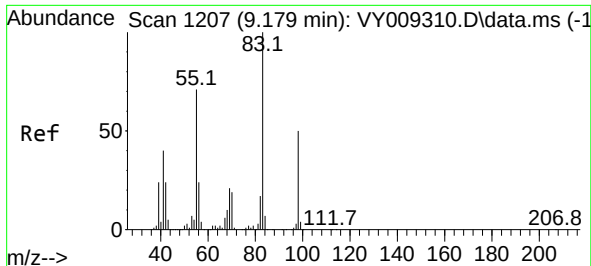
Ion Ratio Lower Upper

113 100

111 105.7 80.6 120.8

192 22.3 16.2 24.4





#39

Methylcyclohexane

Concen: 5.384 ug/l

RT: 9.173 min Scan# 11113

Delta R.T. -0.006 min

Lab File: VY009349.D

Acq: 27 Jun 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

B2204-27.5

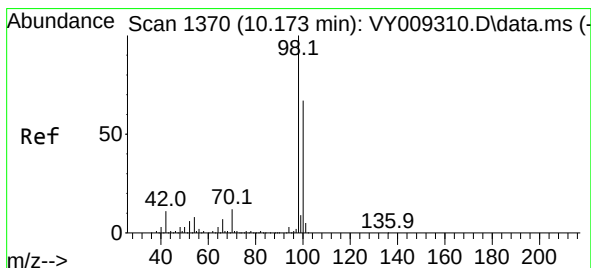
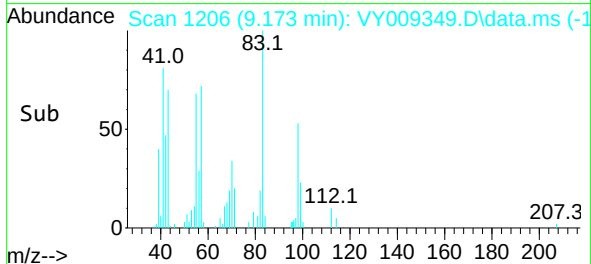
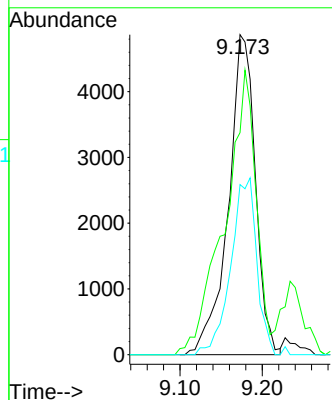
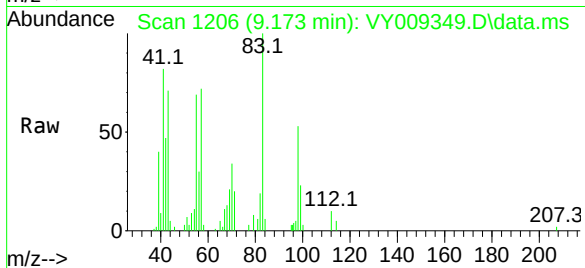
Tgt Ion: 83 Resp: 11113

Ion Ratio Lower Upper

83 100

55 67.5 56.7 85.1

98 53.2 39.9 59.9



#50

Toluene-d8

Concen: 48.708 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009349.D

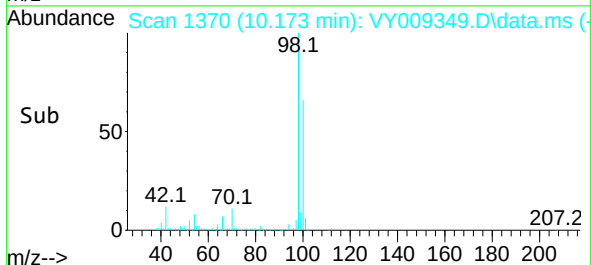
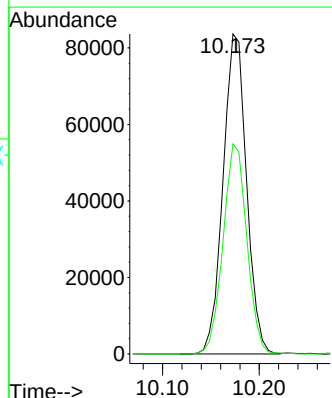
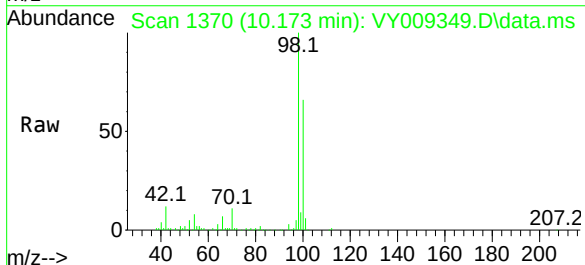
Acq: 27 Jun 2022 17:39

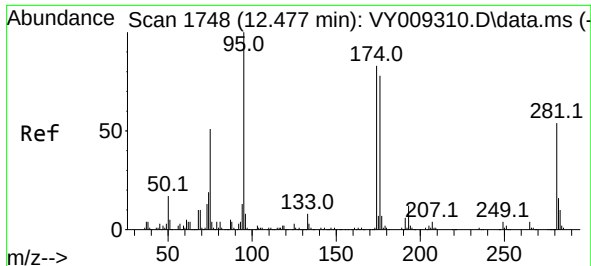
Tgt Ion: 98 Resp: 140980

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3

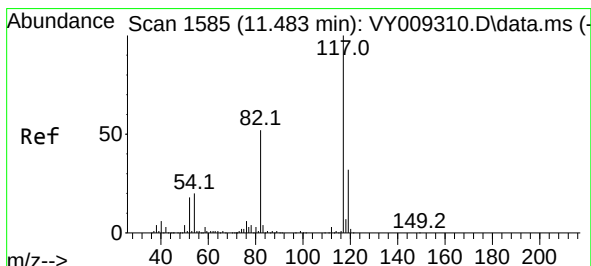
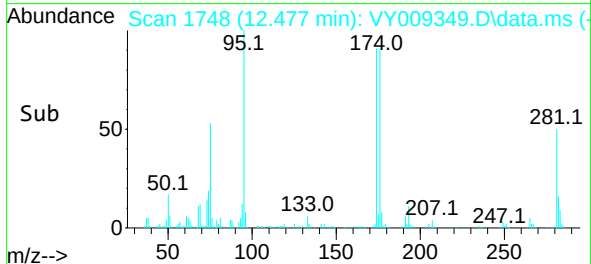
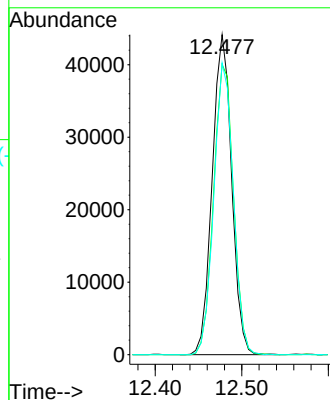
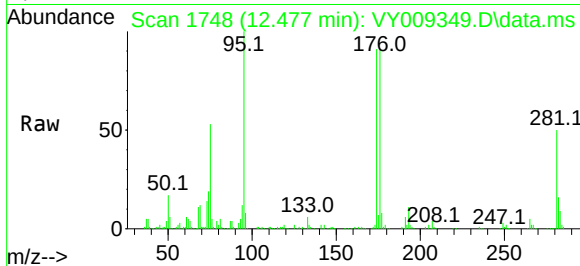




#62
4-Bromofluorobenzene
Concen: 48.965 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

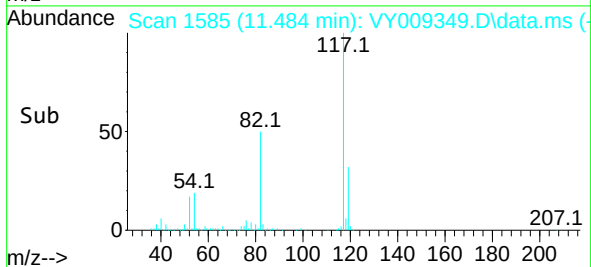
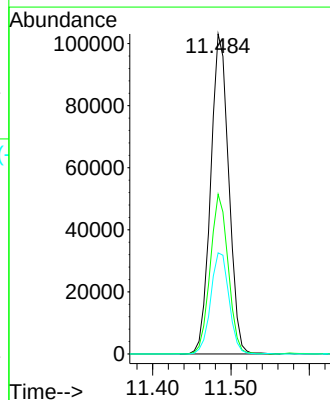
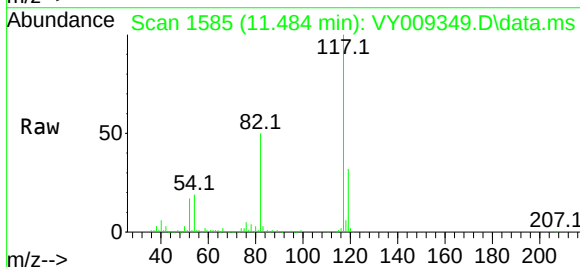
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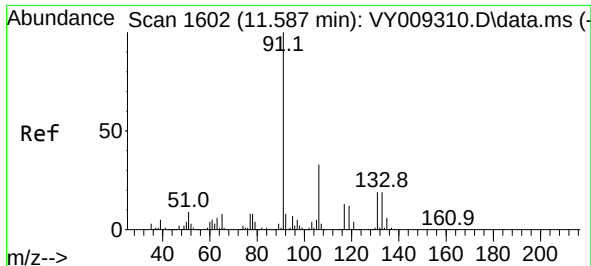
Tgt Ion: 95 Resp: 68836
Ion Ratio Lower Upper
95 100
174 92.7 0.0 173.8
176 91.1 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. 0.001 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion: 117 Resp: 164946
Ion Ratio Lower Upper
117 100
82 49.8 41.8 62.6
119 31.6 25.6 38.4

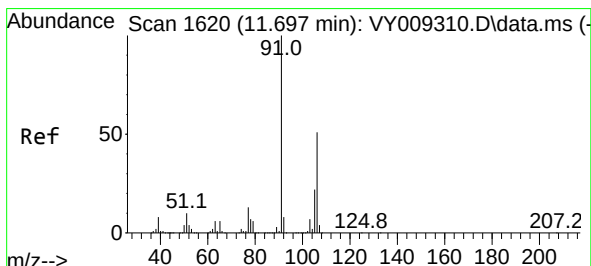
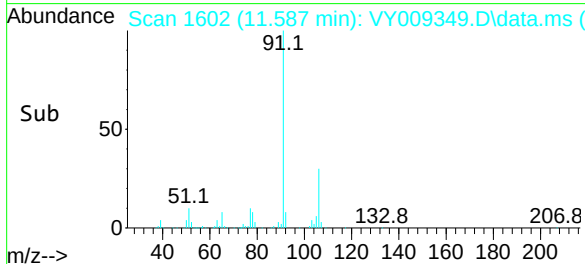
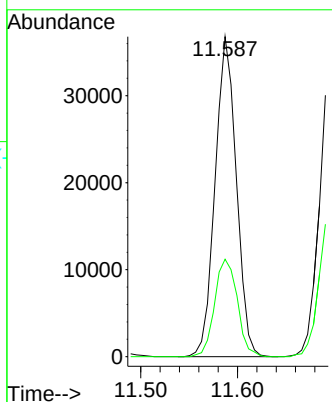
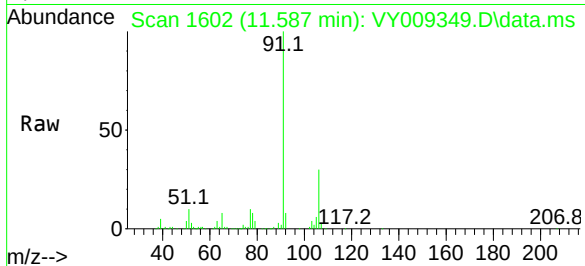




#67
Ethyl Benzene
Concen: 9.705 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

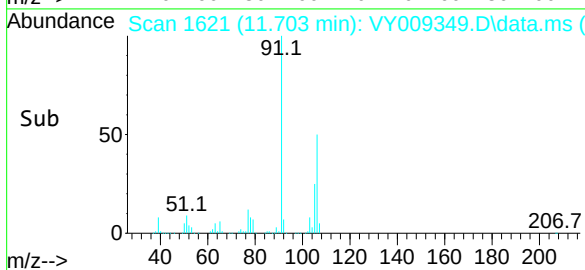
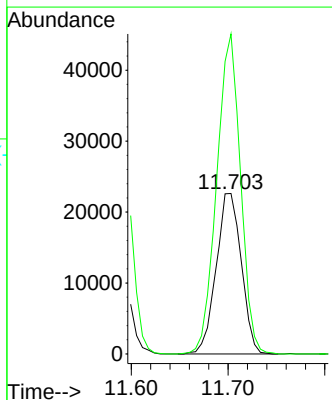
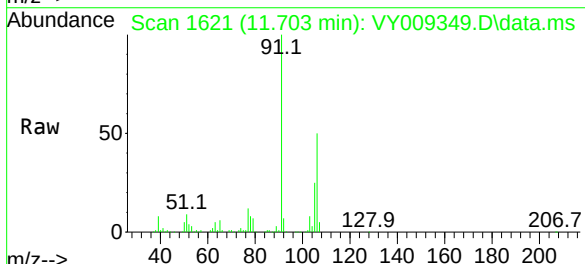
Instrument :
MSVOA_Y
ClientSampleId :
B2204-27.5

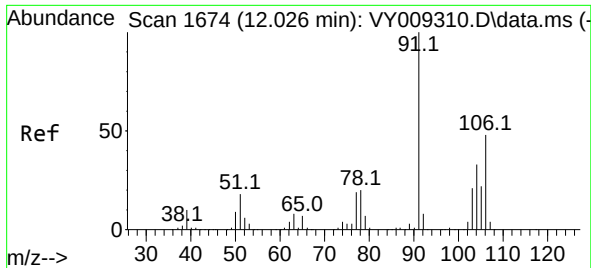
Tgt Ion: 91 Resp: 56085
Ion Ratio Lower Upper
91 100
106 30.5 26.2 39.4



#68
m/p-Xylenes
Concen: 17.945 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion: 106 Resp: 40741
Ion Ratio Lower Upper
106 100
91 189.2 156.2 234.2

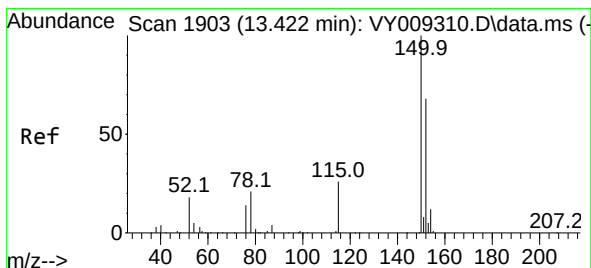
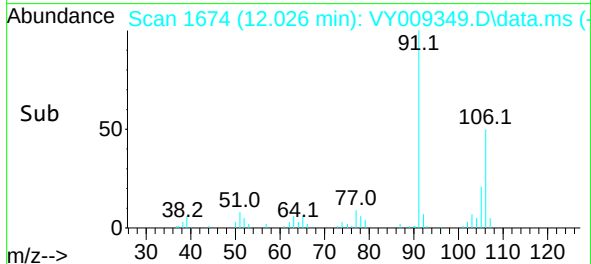
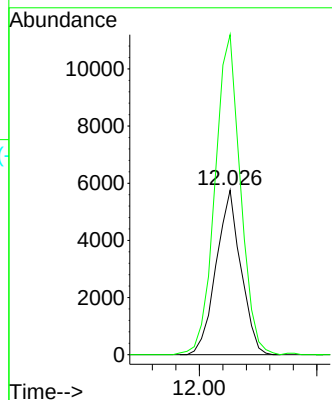
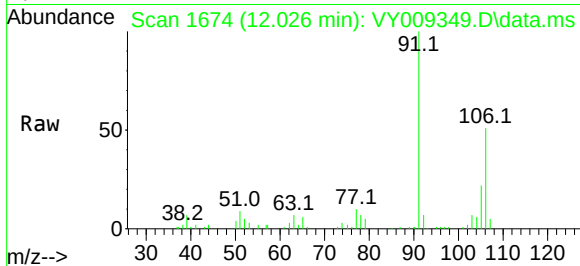




#69
o-Xylene
Concen: 3.949 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

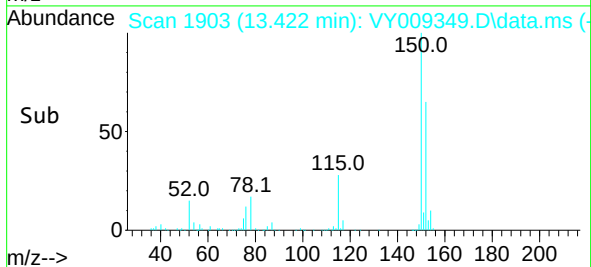
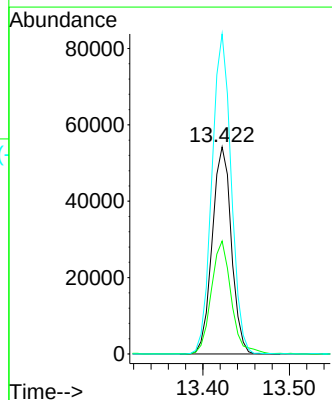
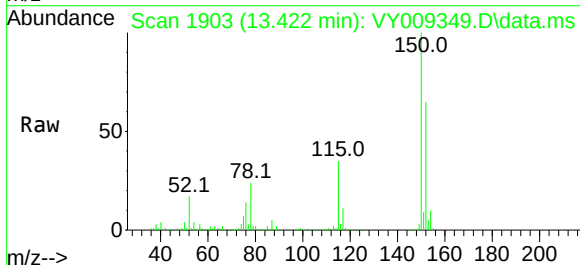
Instrument :
MSVOA_Y
ClientSampleId :
B2204-27.5

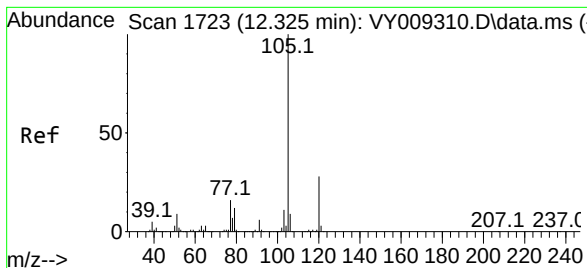
Tgt Ion:106 Resp: 8414
Ion Ratio Lower Upper
106 100
91 199.7 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009349.D
Acq: 27 Jun 2022 17:39

Tgt Ion:152 Resp: 83359
Ion Ratio Lower Upper
152 100
115 56.7 28.6 85.9
150 155.2 0.0 349.8





#73

Isopropylbenzene

Concen: 1.464 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VY009349.D

Acq: 27 Jun 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

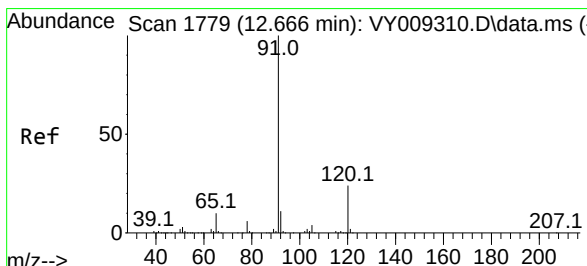
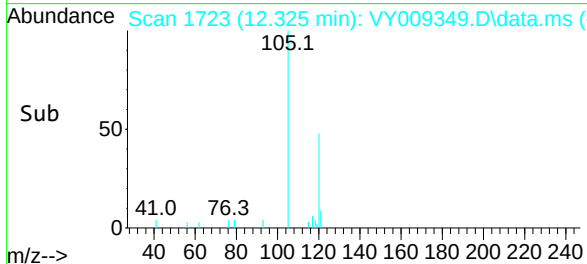
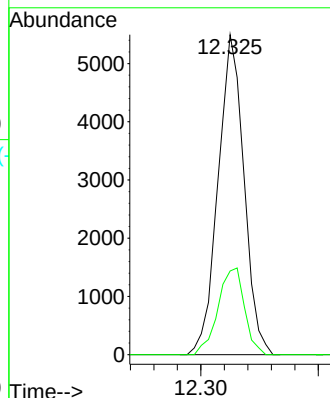
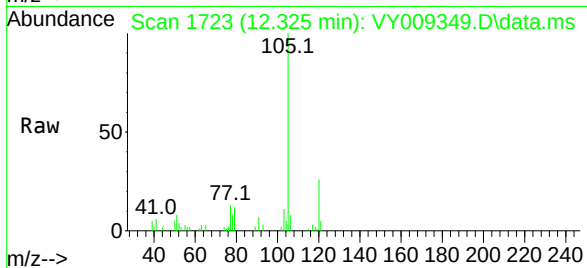
B2204-27.5

Tgt Ion:105 Resp: 8415

Ion Ratio Lower Upper

105 100

120 27.7 13.7 41.1



#78

n-propylbenzene

Concen: 5.541 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY009349.D

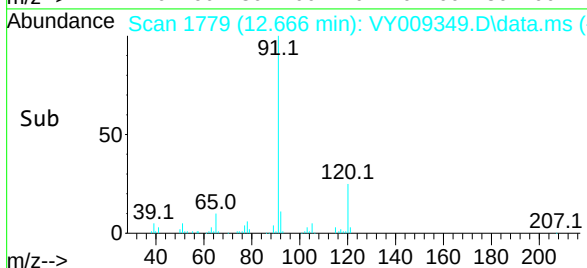
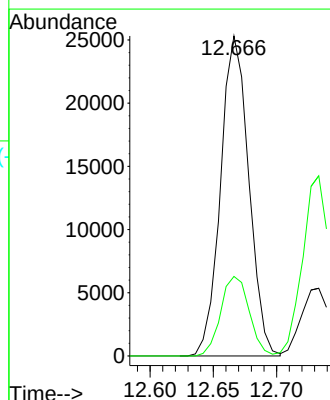
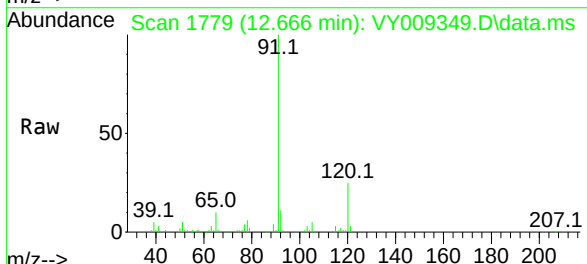
Acq: 27 Jun 2022 17:39

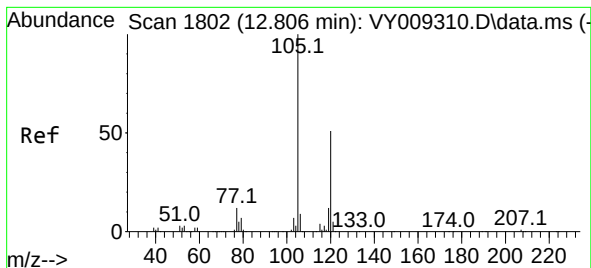
Tgt Ion: 91 Resp: 39272

Ion Ratio Lower Upper

91 100

120 25.1 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 12.624 ug/l

RT: 12.806 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009349.D

Acq: 27 Jun 2022 17:39

Instrument :

MSVOA_Y

ClientSampleId :

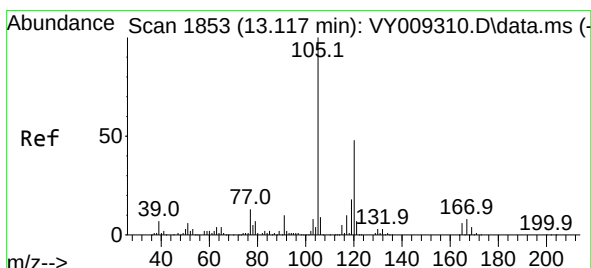
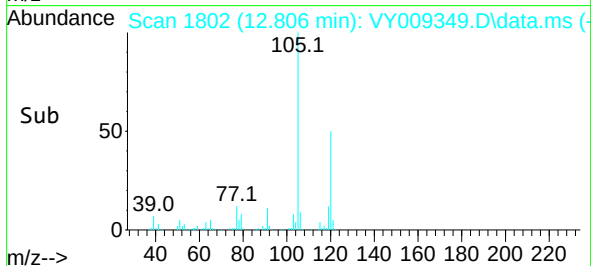
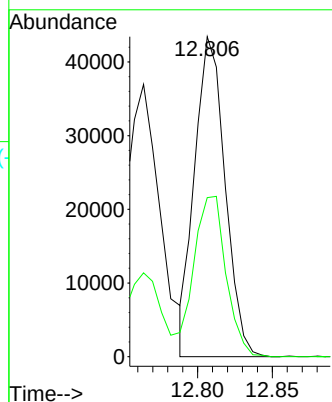
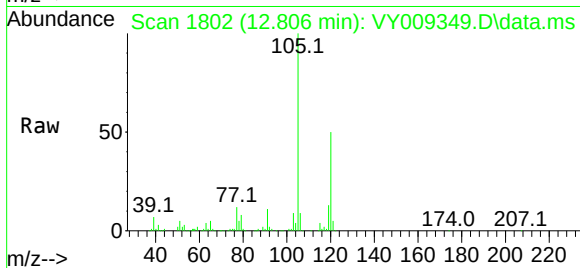
B2204-27.5

Tgt Ion:105 Resp: 61115

Ion Ratio Lower Upper

105 100

120 54.1 25.3 75.8



#84

1,2,4-Trimethylbenzene

Concen: 50.108 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009349.D

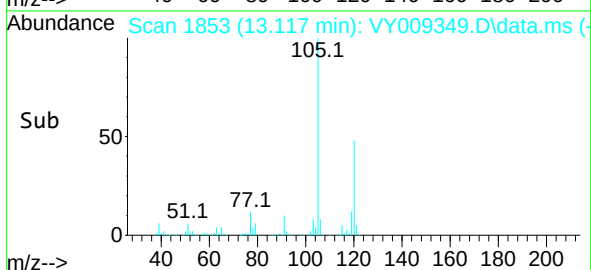
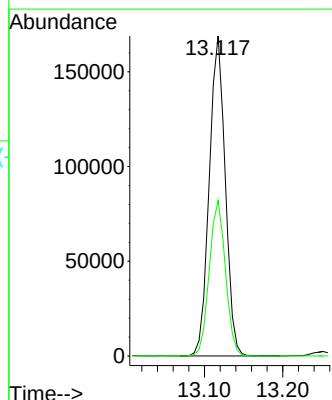
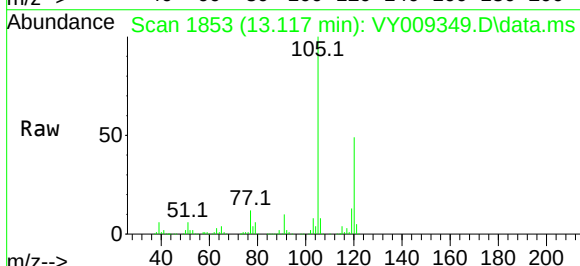
Acq: 27 Jun 2022 17:39

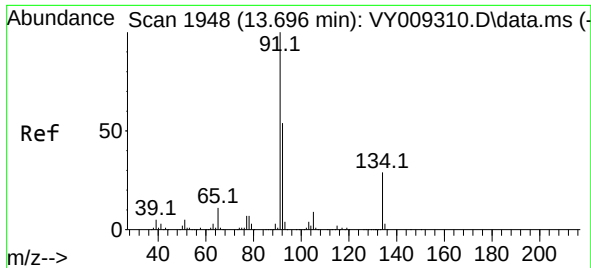
Tgt Ion:105 Resp: 239175

Ion Ratio Lower Upper

105 100

120 49.0 23.4 70.3





#89
 n-Butylbenzene
 Concen: 1.151 ug/l
 RT: 13.690 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: VY009349.D
 Acq: 27 Jun 2022 17:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2204-27.5

Tgt Ion: 91	Resp:	5610
Ion	Ratio	Lower Upper
91	100	
92	68.4	26.9 80.7
134	0.0	14.0 41.9#

