

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009350.D
 Acq On : 27 Jun 2022 18:02
 Operator : KP/MD
 Sample : N3434-04
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2204-35

Quant Time: Jun 28 04:31:37 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)

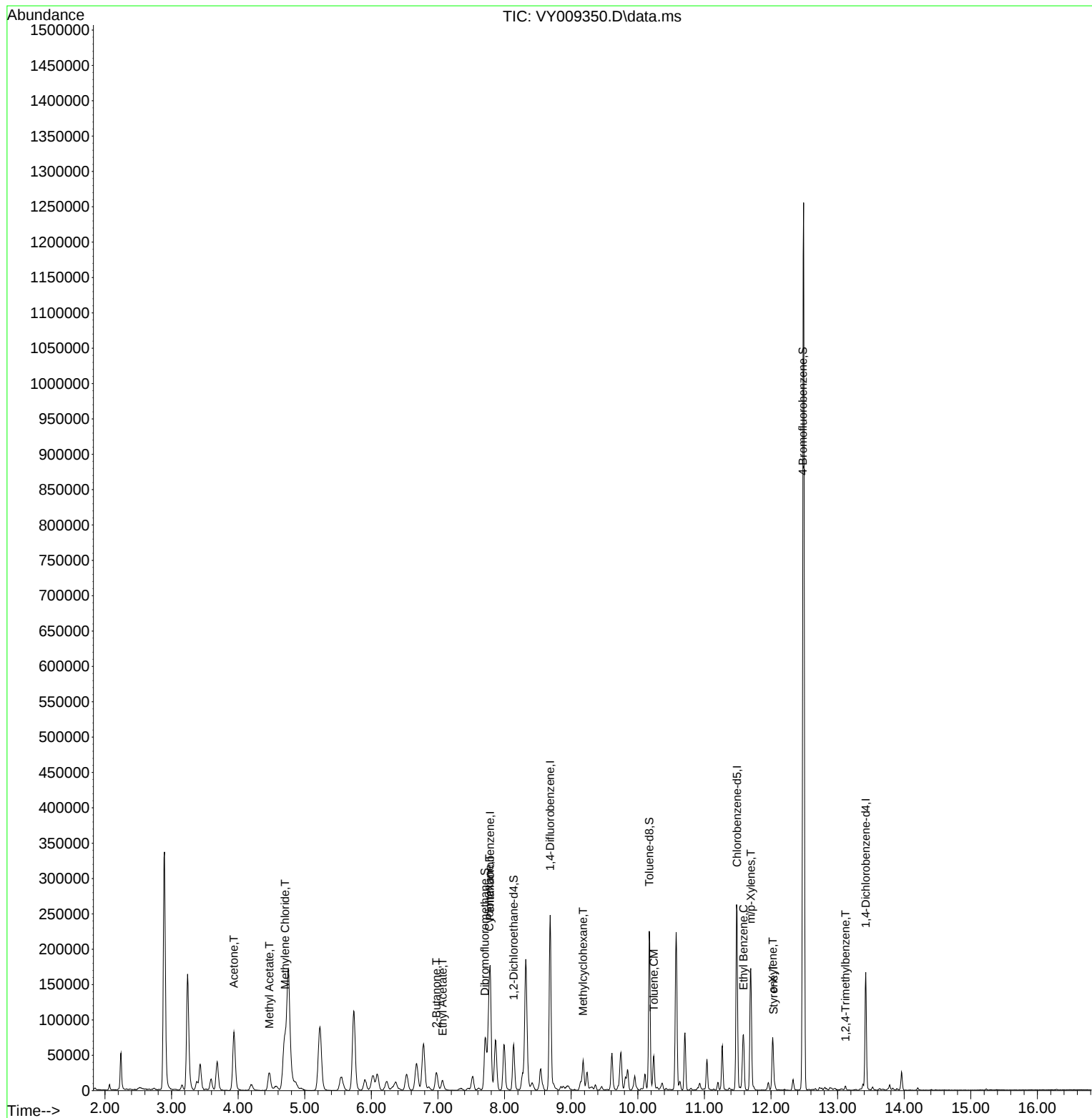
Internal Standards						
1) Pentafluorobenzene	7.783	168	119010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	191391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	48380	54.377	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.760%			
35) Dibromofluoromethane	7.704	113	52794	51.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.173	98	137396	44.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.640%			
62) 4-Bromofluorobenzene	12.477	95	49122	33.387	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 66.780%			
Target Compounds						Qvalue
16) Acetone	3.936	43	134495	442.044	ug/l	98
18) Methyl Acetate	4.466	43	51132	60.361	ug/l	97
20) Methylene Chloride	4.704	84	26326	17.924	ug/l #	89
25) 2-Butanone	6.978	43	33612	73.462	ug/l	95
31) Cyclohexane	7.771	56	20772	9.652	ug/l #	68
37) Ethyl Acetate	7.070	43	22114	22.459	ug/l	98
39) Methylcyclohexane	9.179	83	9734	4.506	ug/l #	77
52) Toluene	10.240	92	19714	6.237	ug/l	98
67) Ethyl Benzene	11.587	91	44021	8.950	ug/l	96
68) m/p-Xylenes	11.697	106	53433	27.651	ug/l	99
69) o-Xylene	12.026	106	18648	10.284	ug/l	97
70) Styrene	12.038	104	7503	2.493	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.117	105	2996	1.252	ug/l	97

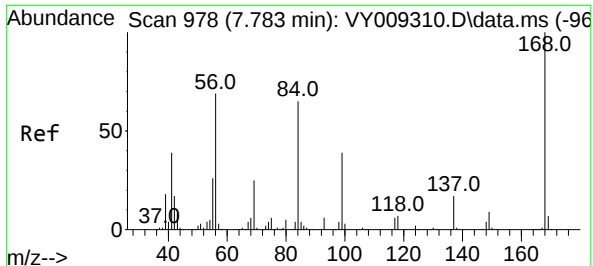
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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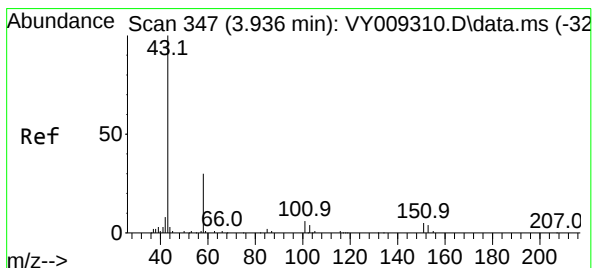
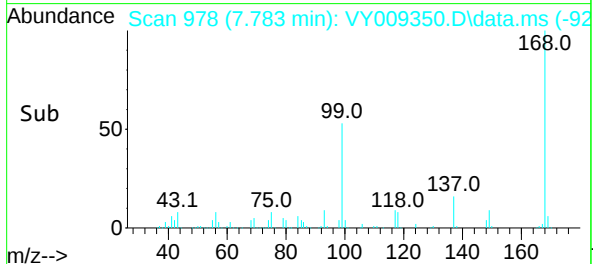
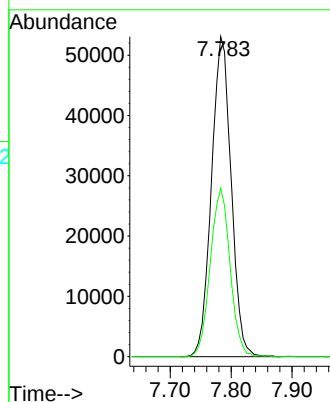
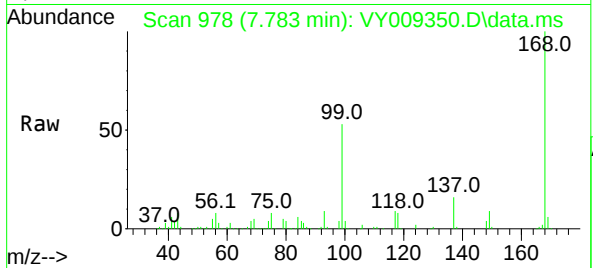




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

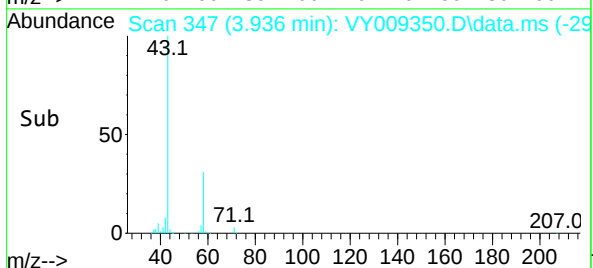
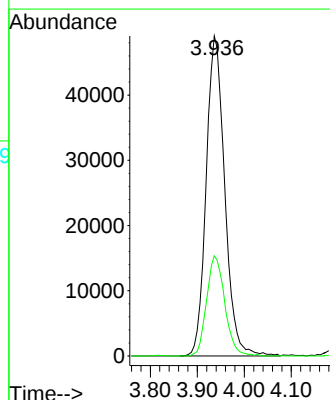
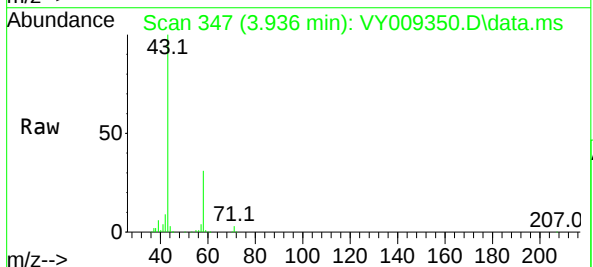
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

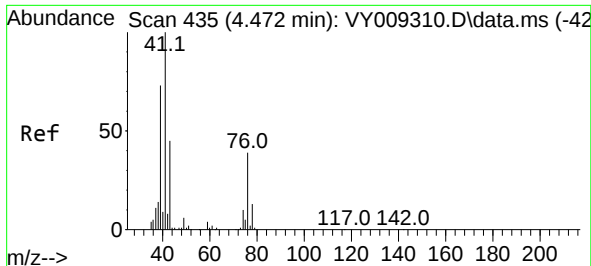
Tgt Ion:168 Resp: 119010
Ion Ratio Lower Upper
168 100
99 52.5 42.1 63.1



#16
Acetone
Concen: 442.044 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 43 Resp: 134495
Ion Ratio Lower Upper
43 100
58 31.3 24.0 36.0

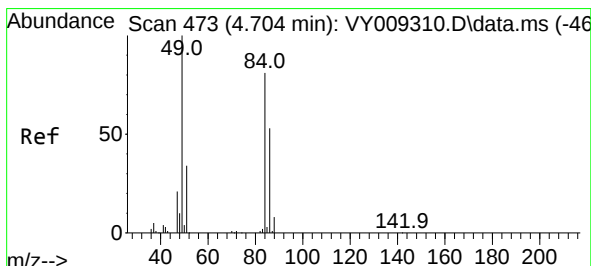
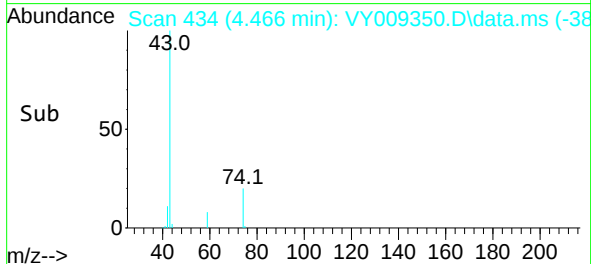
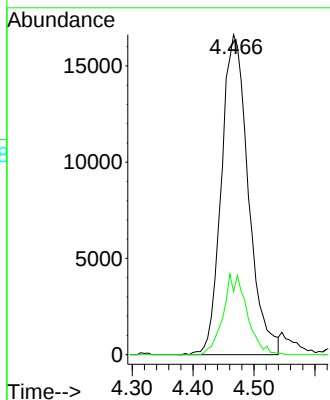
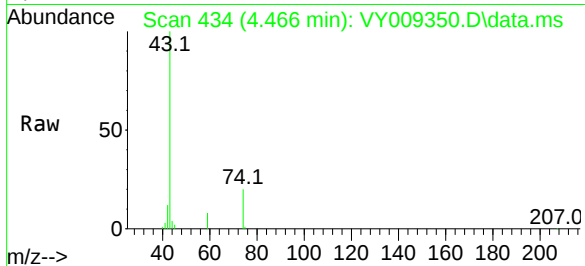




#18
Methyl Acetate
Concen: 60.361 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

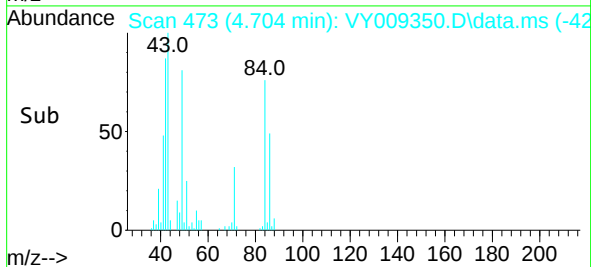
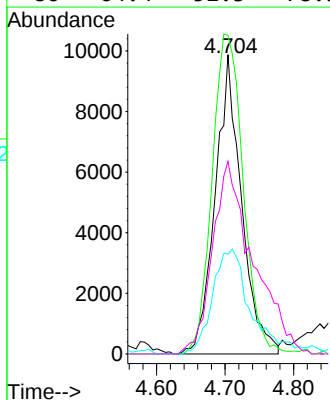
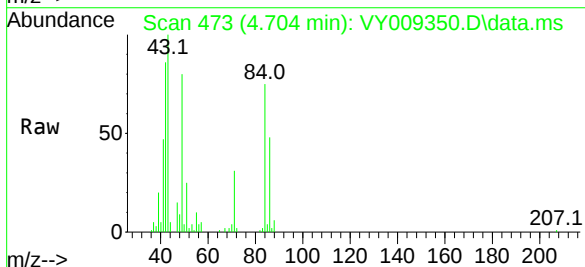
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

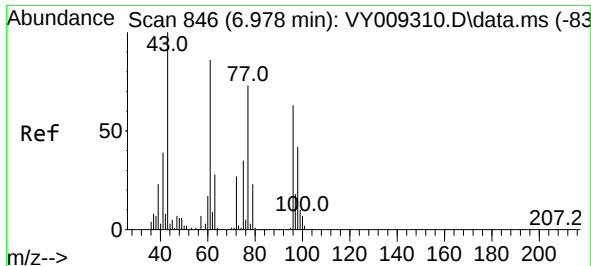
Tgt Ion: 43 Resp: 51132
Ion Ratio Lower Upper
43 100
74 22.2 18.8 28.2



#20
Methylene Chloride
Concen: 17.924 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 84 Resp: 26326
Ion Ratio Lower Upper
84 100
49 106.4 98.2 147.4
51 33.3 33.4 50.0#
86 64.4 52.3 78.5

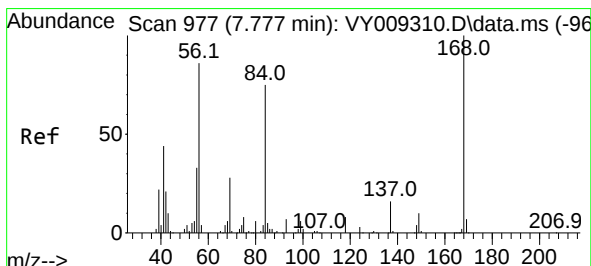
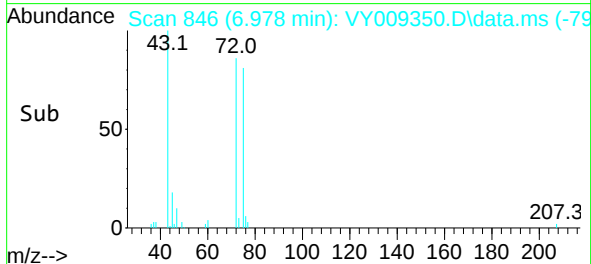
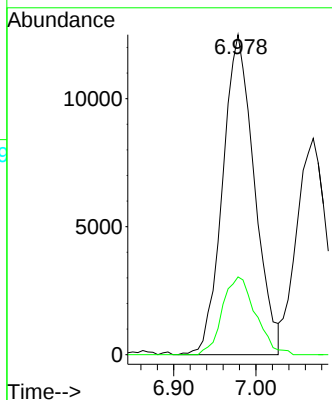
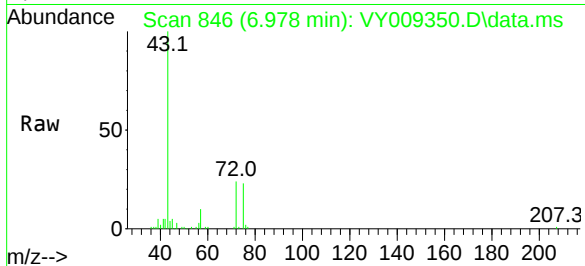




#25
2-Butanone
Concen: 73.462 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

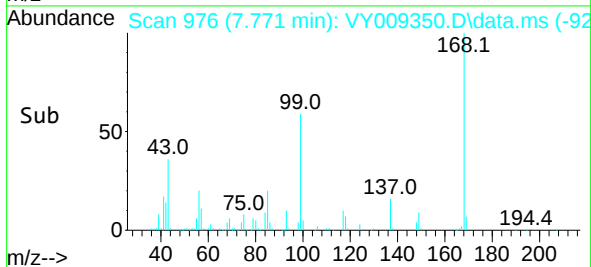
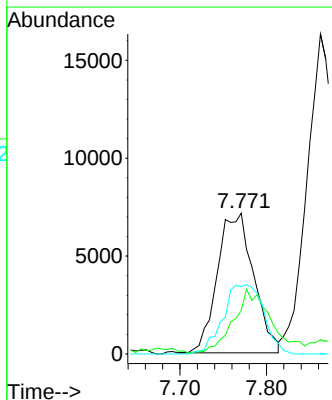
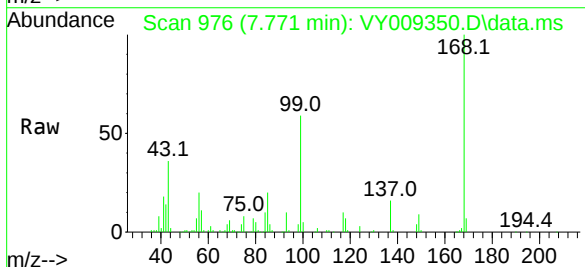
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

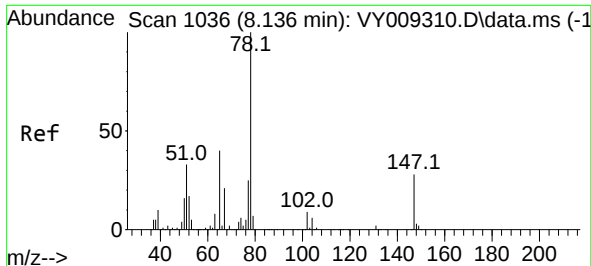
Tgt Ion: 43 Resp: 33612
Ion Ratio Lower Upper
43 100
72 24.3 21.5 32.3



#31
Cyclohexane
Concen: 9.652 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.006 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 56 Resp: 20772
Ion Ratio Lower Upper
56 100
69 29.1 26.0 39.0
84 48.2 69.5 104.3#

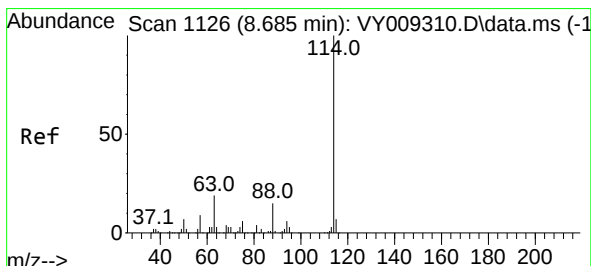
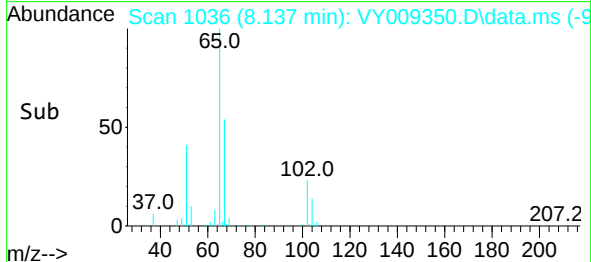
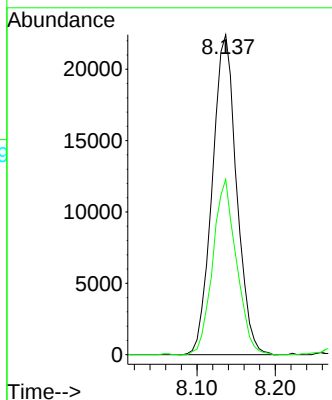
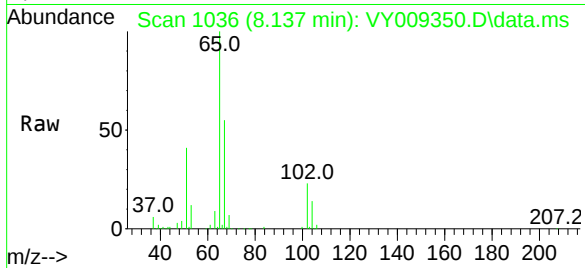




#33
 1,2-Dichloroethane-d4
 Concen: 54.377 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY009350.D
 Acq: 27 Jun 2022 18:02

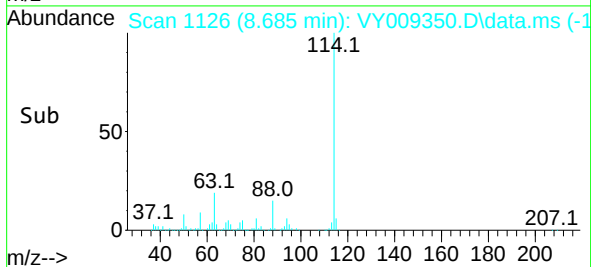
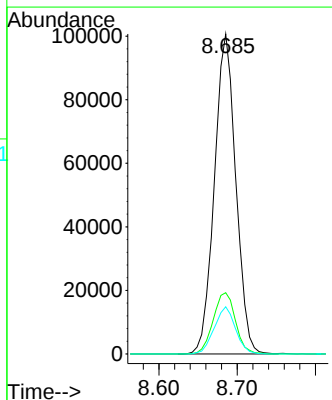
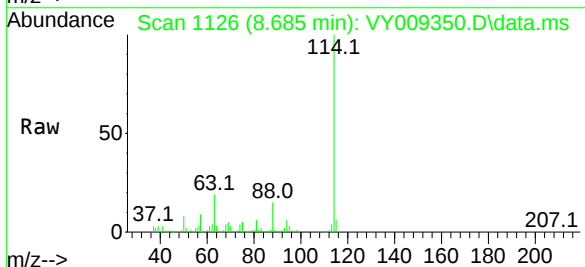
Instrument :
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 ClientSampleId :
 B2204-35

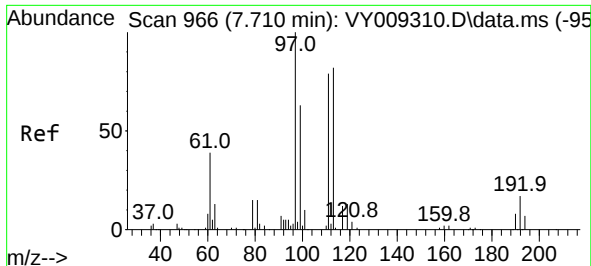
Tgt Ion: 65 Resp: 48380
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY009350.D
 Acq: 27 Jun 2022 18:02

Tgt Ion: 114 Resp: 191391
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 14.7 0.0 30.0

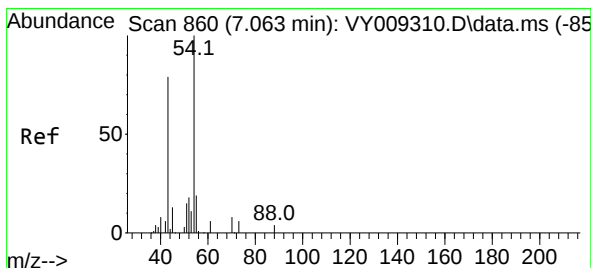
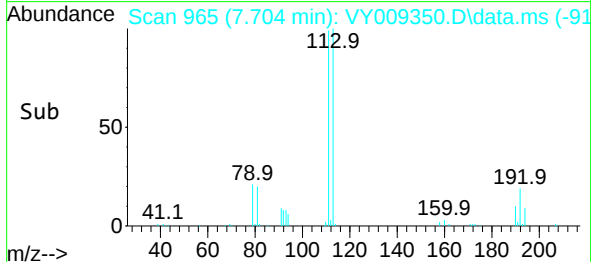
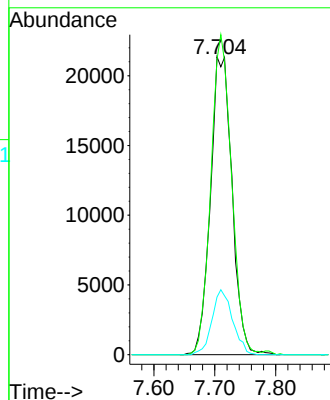
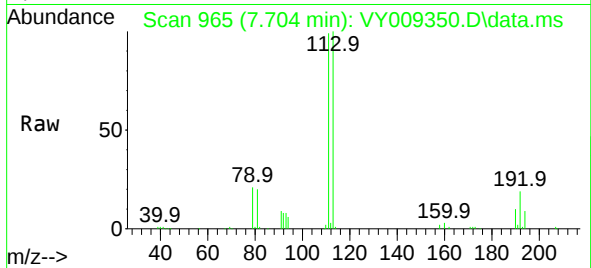




#35
Dibromofluoromethane
Concen: 51.105 ug/l
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

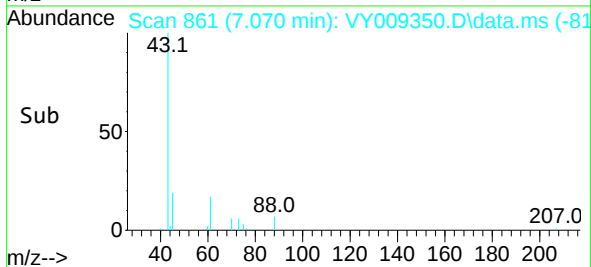
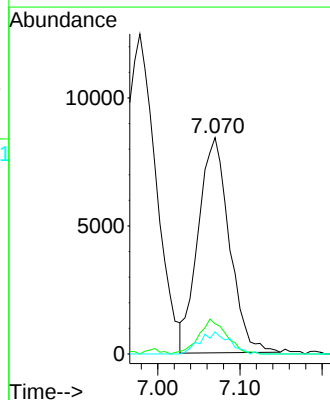
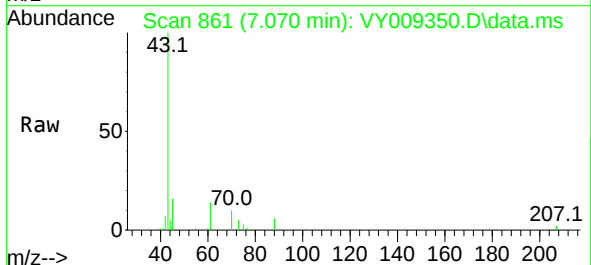
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

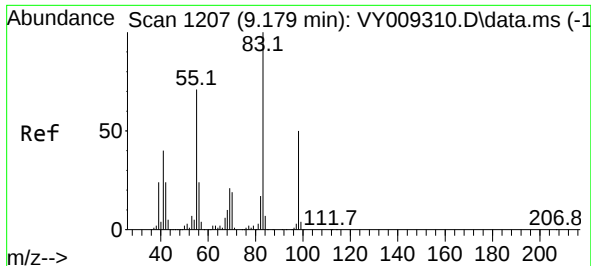
Tgt Ion:113 Resp: 52794
Ion Ratio Lower Upper
113 100
111 102.7 80.6 120.8
192 20.8 16.2 24.4



#37
Ethyl Acetate
Concen: 22.459 ug/l
RT: 7.070 min Scan# 861
Delta R.T. 0.006 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 43 Resp: 22114
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 9.8 8.4 12.6

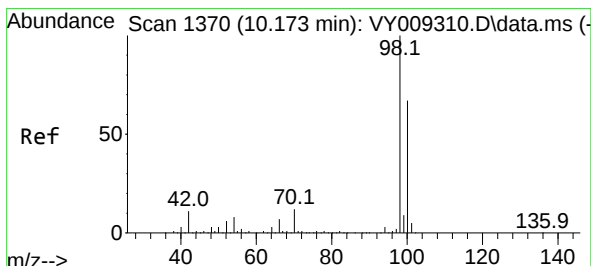
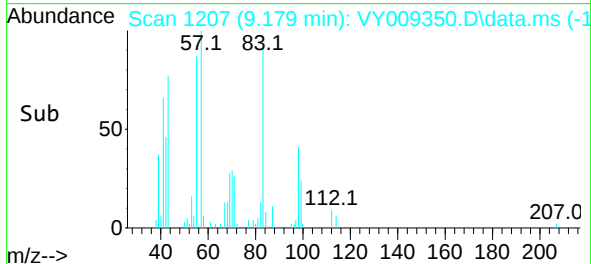
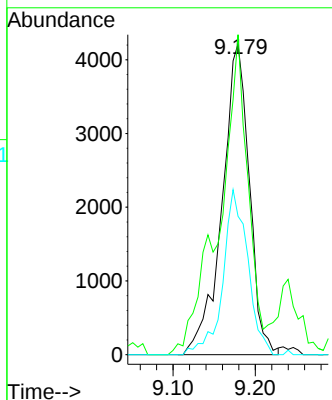
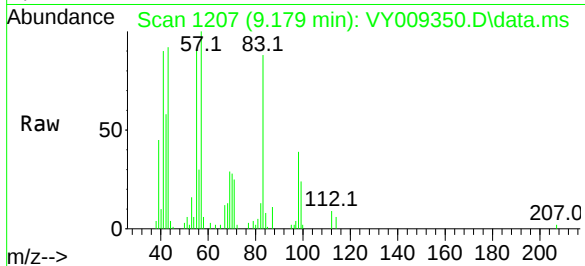




#39
Methylcyclohexane
Concen: 4.506 ug/l
RT: 9.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

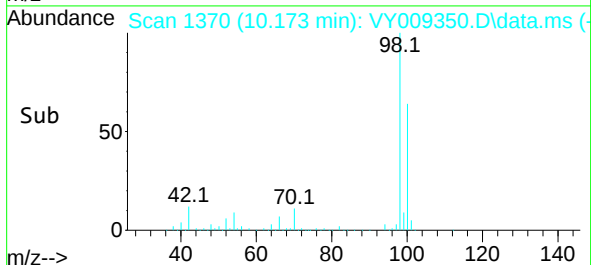
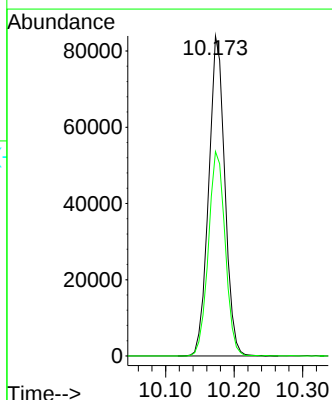
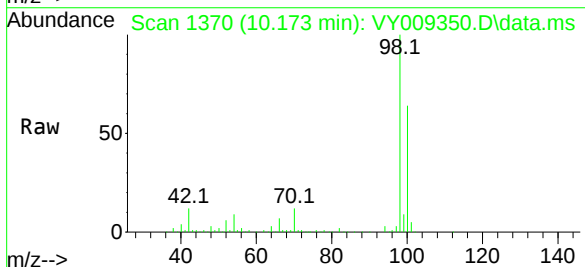
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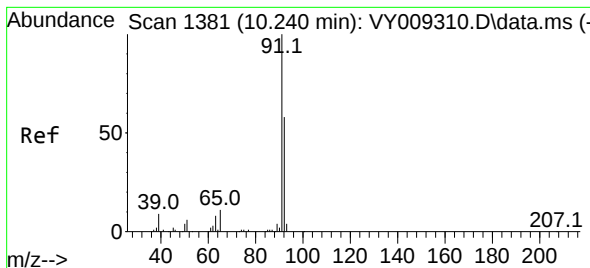
Tgt Ion: 83 Resp: 9734
Ion Ratio Lower Upper
83 100
55 99.4 56.7 85.1#
98 44.5 39.9 59.9



#50
Toluene-d8
Concen: 44.817 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 98 Resp: 137396
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3





#52

Toluene

Concen: 6.237 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY009350.D

Acq: 27 Jun 2022 18:02

Instrument :

MSVOA_Y

ClientSampleId :

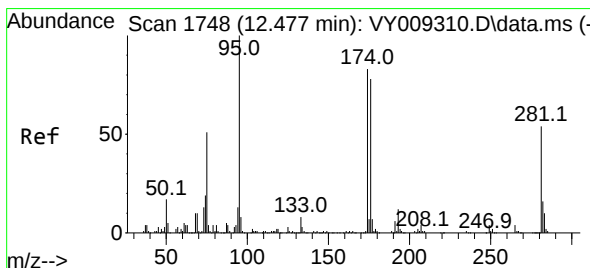
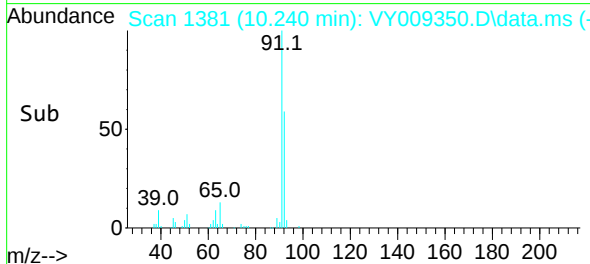
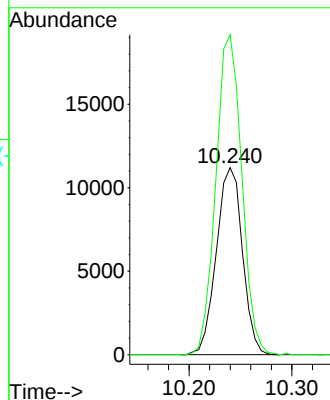
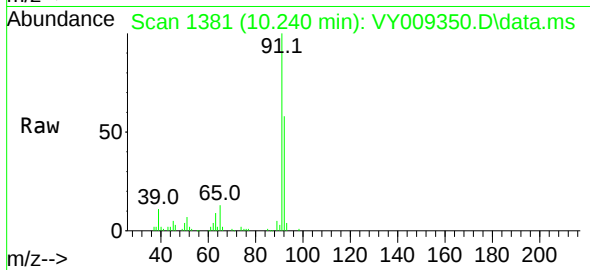
B2204-35

Tgt Ion: 92 Resp: 19714

Ion Ratio Lower Upper

92 100

91 170.1 138.7 208.1



#62

4-Bromofluorobenzene

Concen: 33.387 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009350.D

Acq: 27 Jun 2022 18:02

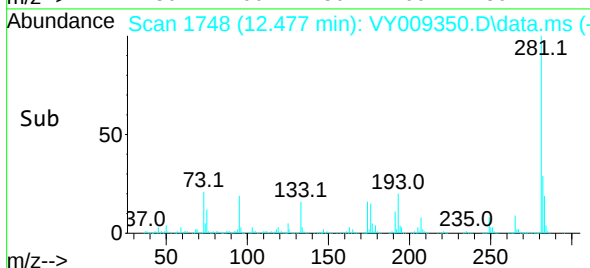
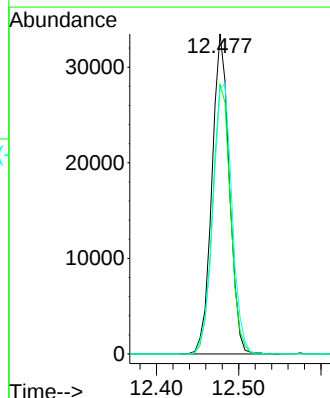
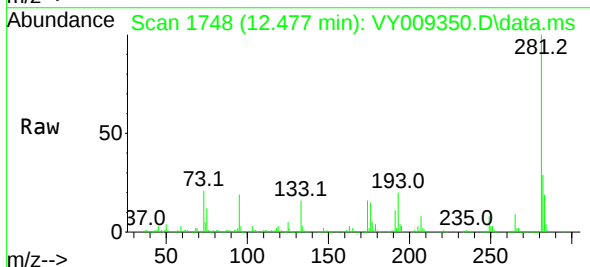
Tgt Ion: 95 Resp: 49122

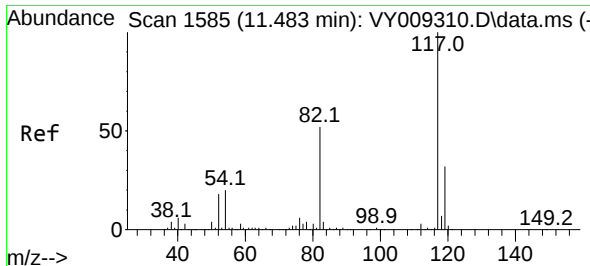
Ion Ratio Lower Upper

95 100

174 86.7 0.0 173.8

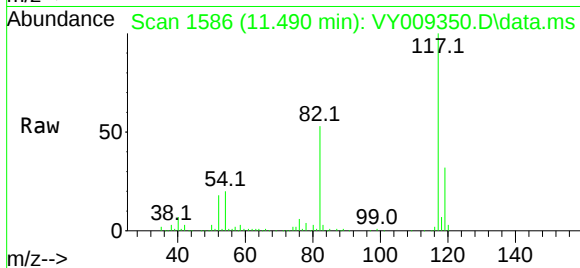
176 92.8 0.0 167.0



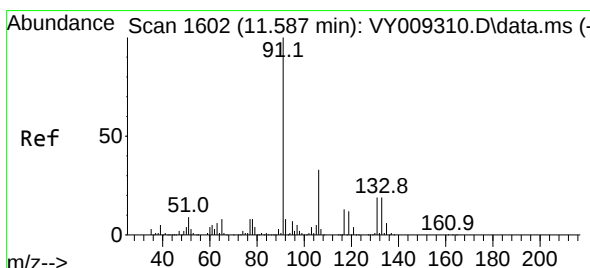
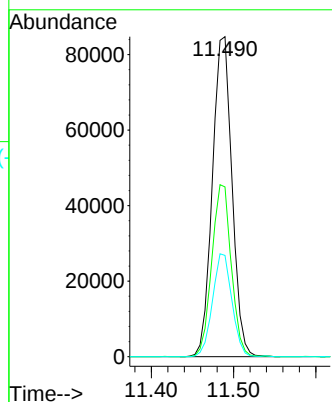
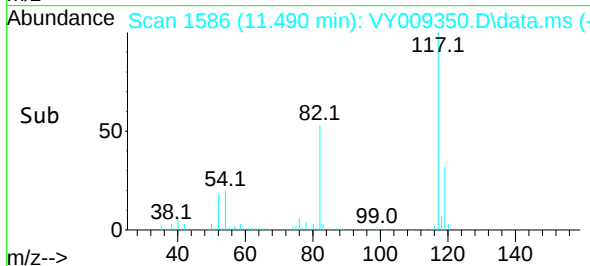


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

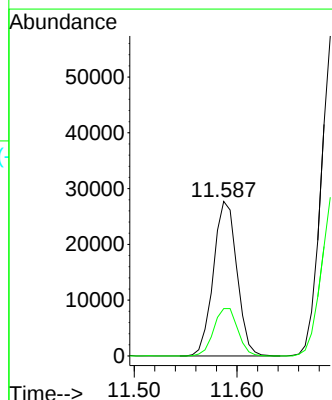
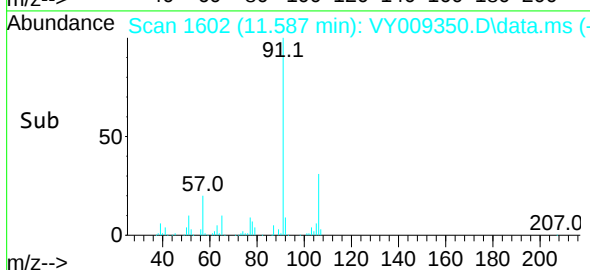
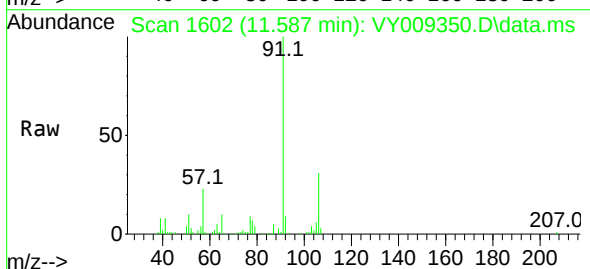


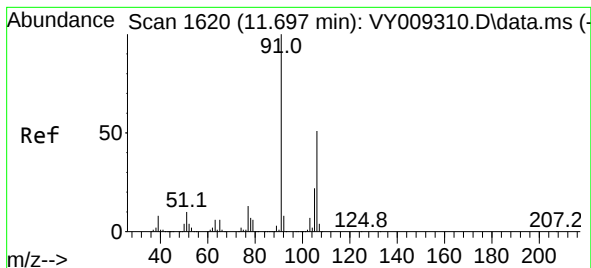
Tgt Ion:117 Resp: 140393
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 31.7 25.6 38.4



#67
Ethyl Benzene
Concen: 8.950 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion: 91 Resp: 44021
Ion Ratio Lower Upper
91 100
106 30.7 26.2 39.4

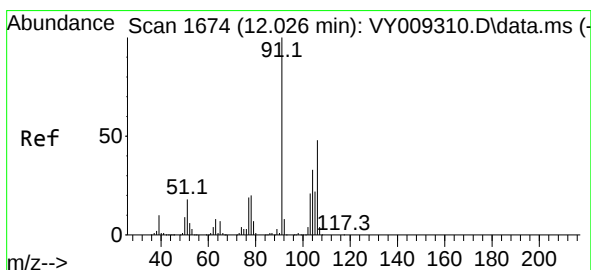
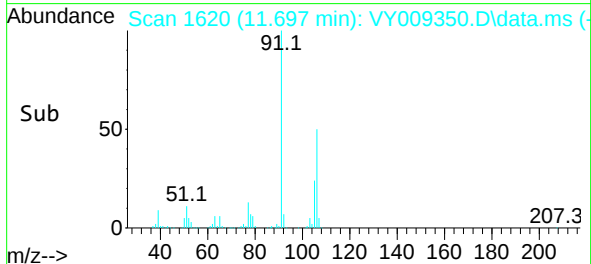
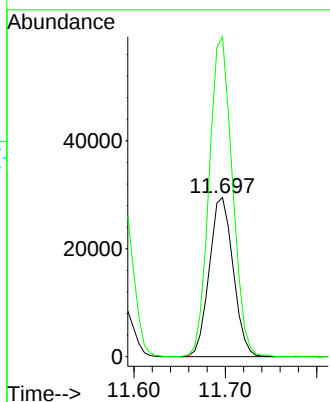
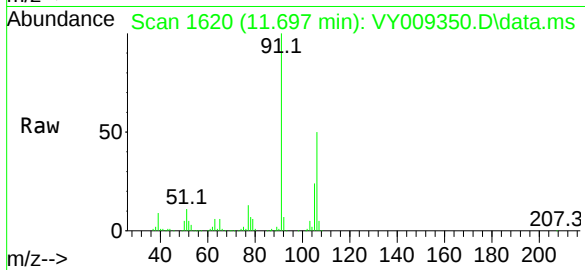




#68
m/p-Xylenes
Concen: 27.651 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

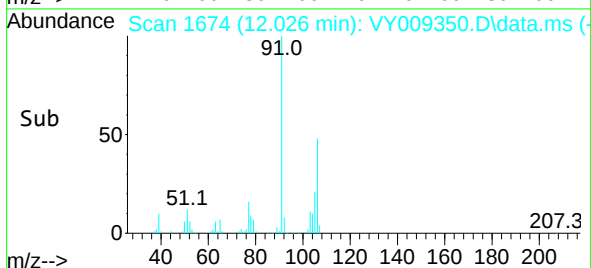
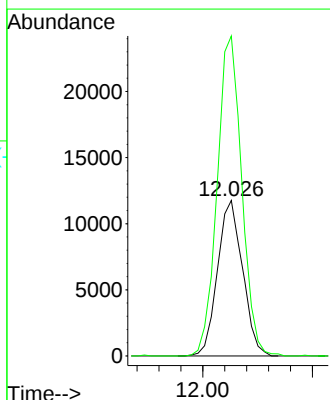
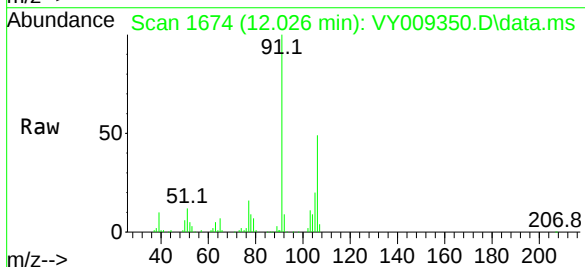
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

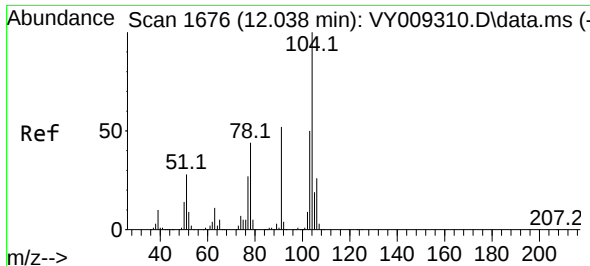
Tgt Ion:106 Resp: 53433
Ion Ratio Lower Upper
106 100
91 196.4 156.2 234.2



#69
o-Xylene
Concen: 10.284 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion:106 Resp: 18648
Ion Ratio Lower Upper
106 100
91 202.0 103.2 309.4

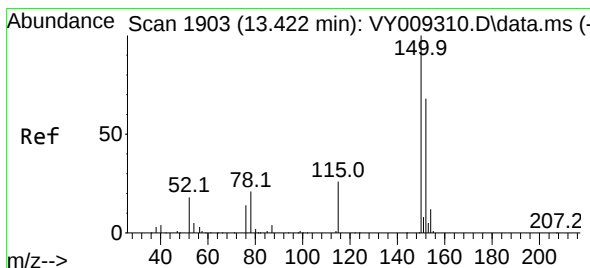
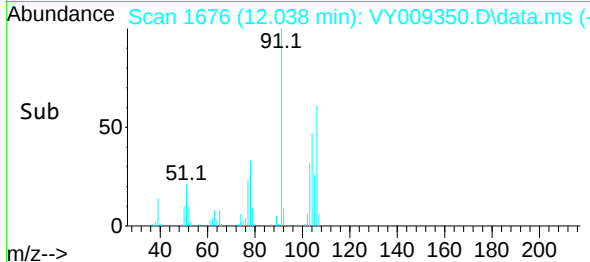
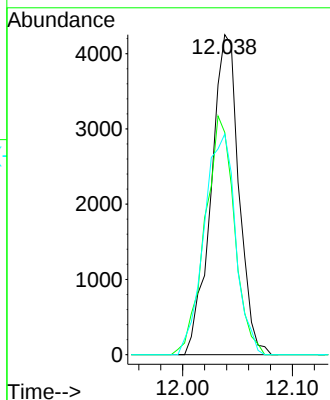
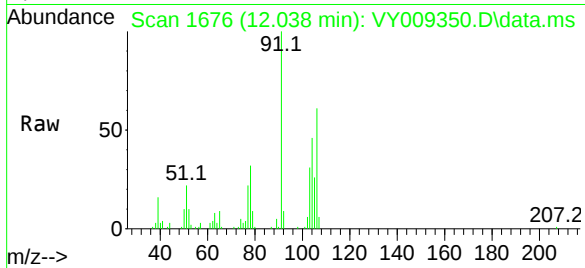




#70
Styrene
Concen: 2.493 ug/l
RT: 12.038 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

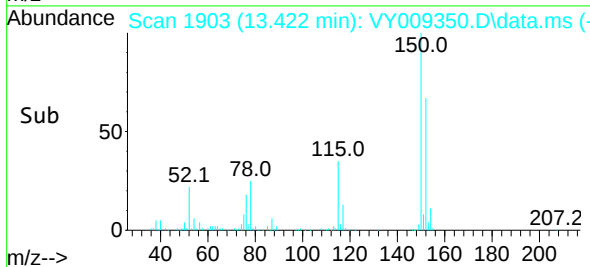
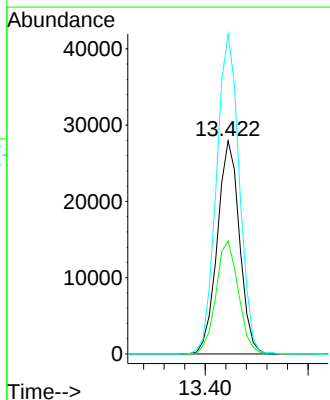
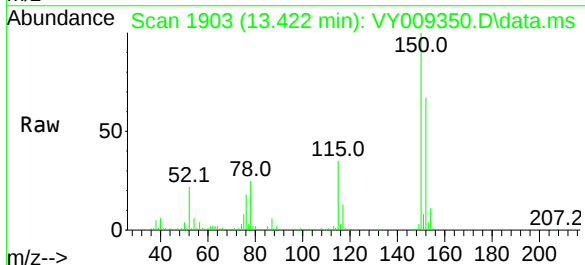
Instrument :
MSVOA_Y
ClientSampleId :
B2204-35

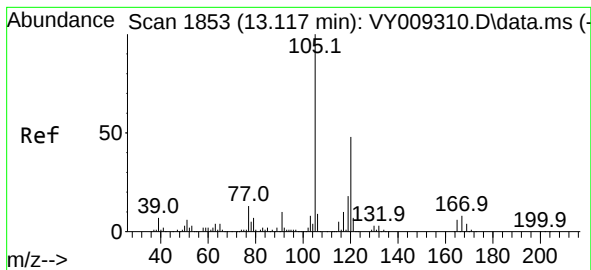
Tgt Ion:104 Resp: 7503
Ion Ratio Lower Upper
104 100
78 78.5 38.6 57.8#
103 78.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009350.D
Acq: 27 Jun 2022 18:02

Tgt Ion:152 Resp: 41792
Ion Ratio Lower Upper
152 100
115 53.8 28.6 85.9
150 154.7 0.0 349.8





#84

1,2,4-Trimethylbenzene

Concen: 1.252 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009350.D

Acq: 27 Jun 2022 18:02

Instrument :

MSVOA_Y

ClientSampleId :

B2204-35

Tgt Ion:105 Resp: 2996

Ion Ratio Lower Upper

105 100

120 49.1 23.4 70.3

