

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010562.D
 Acq On : 19 Sep 2022 19:35
 Operator : KP/MD
 Sample : N4641-04
 Misc : 6.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22023-11

Quant Time: Sep 20 01:05:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

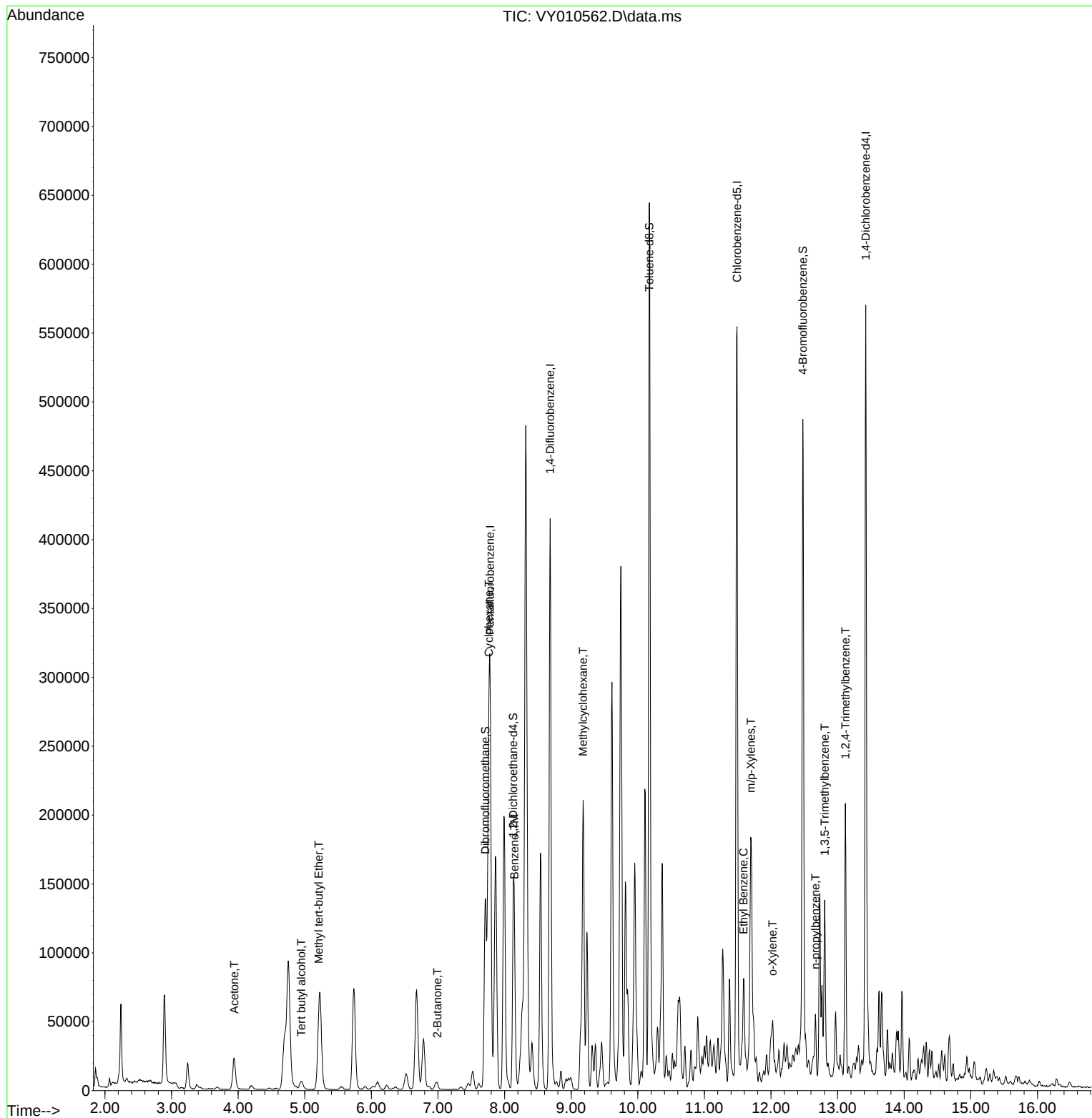
Internal Standards						
1) Pentafluorobenzene	7.783	168	192578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	322233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	302867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	108632	58.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.960%
35) Dibromofluoromethane	7.710	113	97431	47.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.760%
50) Toluene-d8	10.173	98	389638	51.187	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.477	95	136323	48.234	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	11723	62.762	ug/l	97
16) Acetone	3.942	43	36038	95.942	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	29399	6.934	ug/l #	1
25) 2-Butanone	6.990	43	5463	9.298	ug/l #	89
31) Cyclohexane	7.765	56	45857	20.010	ug/l #	64
39) Methylcyclohexane	9.179	83	51162	19.077	ug/l	93
40) Benzene	8.149	78	33403	4.890	ug/l	97
67) Ethyl Benzene	11.587	91	40740	4.430	ug/l	97
68) m/p-Xylenes	11.697	106	42779	12.008	ug/l	92
69) o-Xylene	12.026	106	8401	2.419	ug/l	96
78) n-propylbenzene	12.666	91	30979	2.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	37586	5.025	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	104856	14.110	ug/l	98

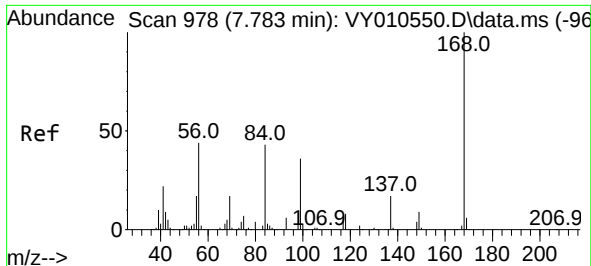
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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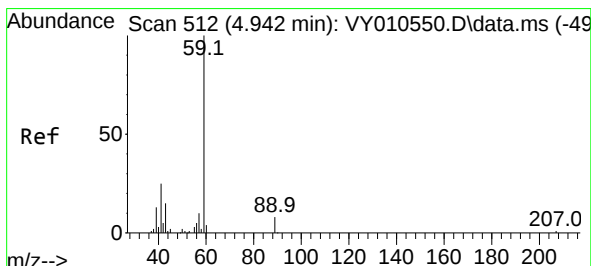
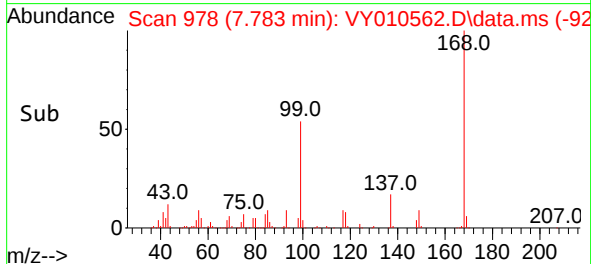
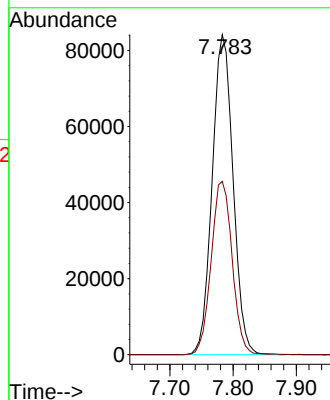
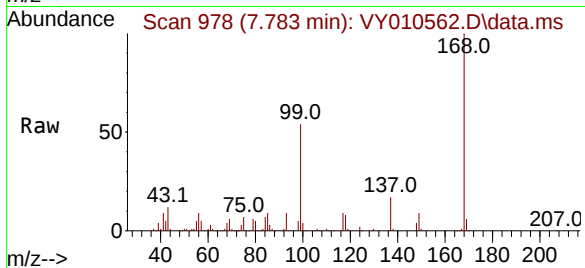




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

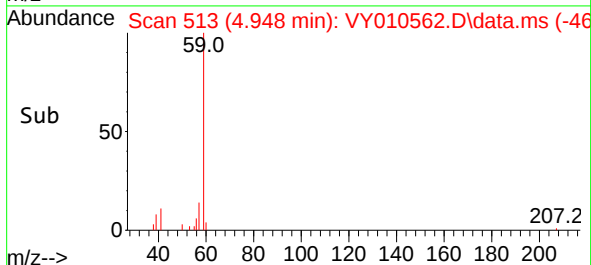
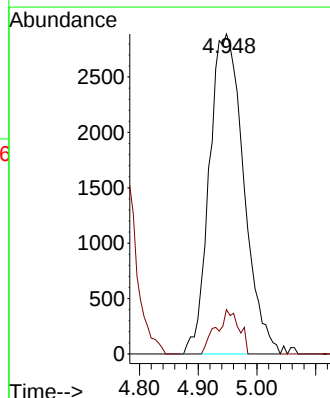
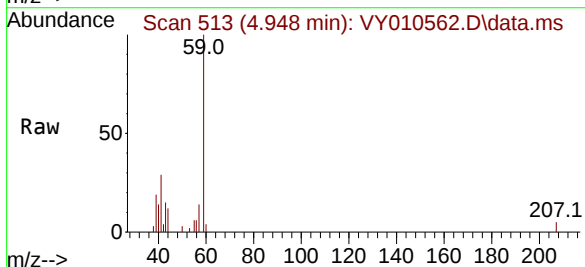
Instrument :
MSVOA_Y
ClientSampleId :
D22023-11

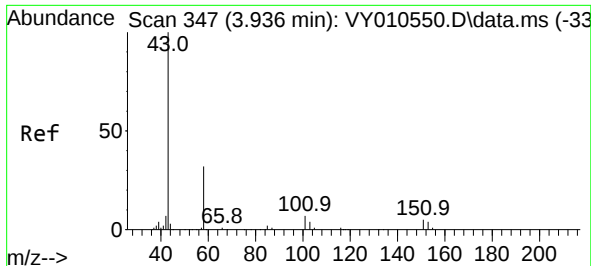
Tgt Ion:168 Resp: 192578
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 62.762 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 59 Resp: 11723
Ion Ratio Lower Upper
59 100
57 9.2 6.4 9.6

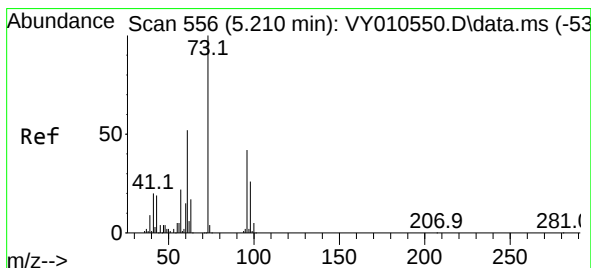
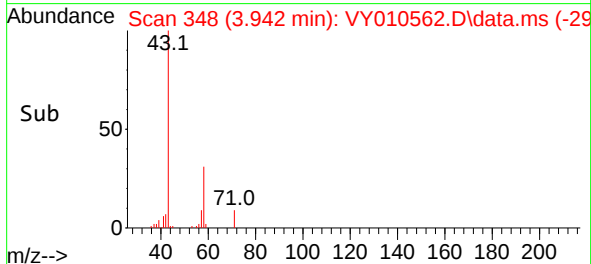
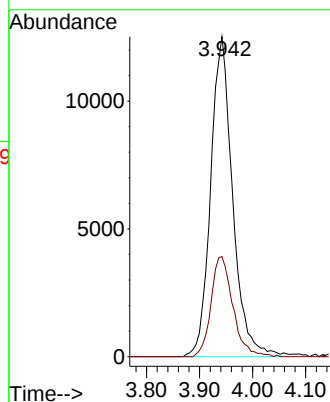
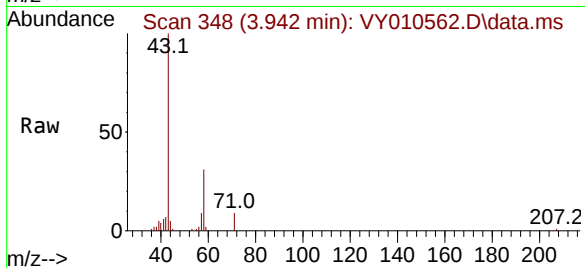




#16
Acetone
Concen: 95.942 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

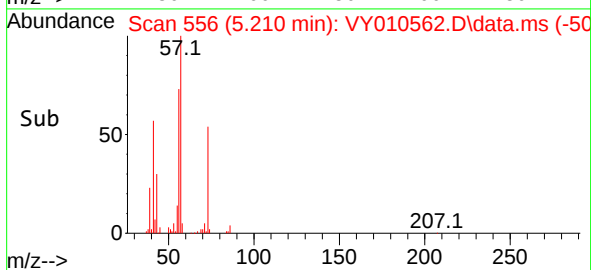
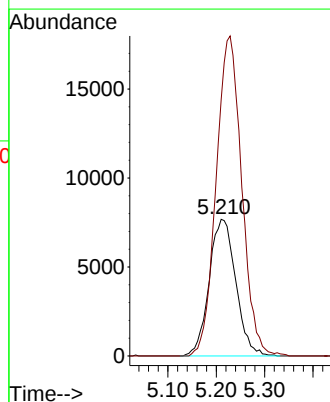
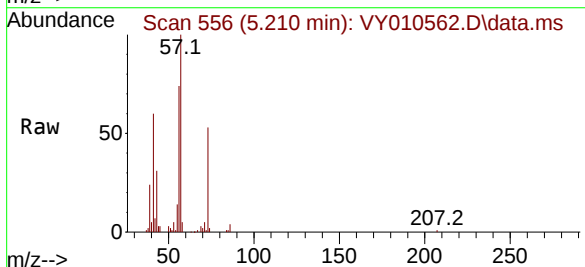
Instrument :
MSVOA_Y
ClientSampleId :
D22023-11

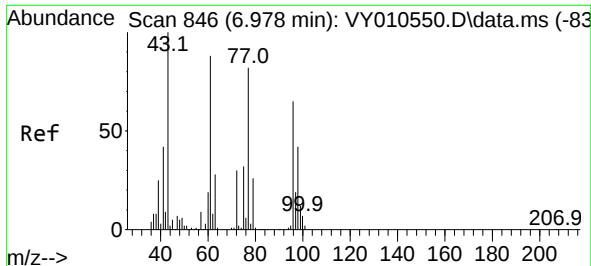
Tgt Ion: 43 Resp: 36038
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 6.934 ug/l
RT: 5.210 min Scan# 556
Delta R.T. 0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 73 Resp: 29399
Ion Ratio Lower Upper
73 100
57 187.5 18.6 27.8#

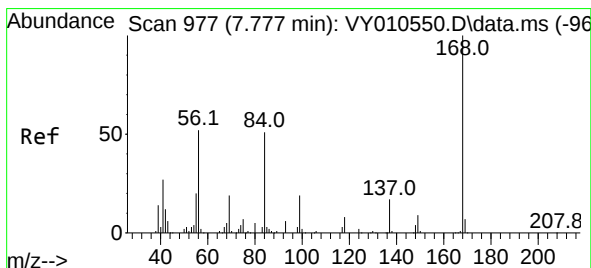
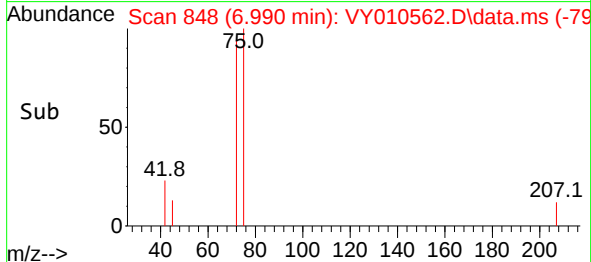
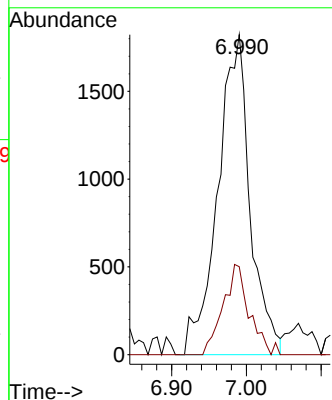
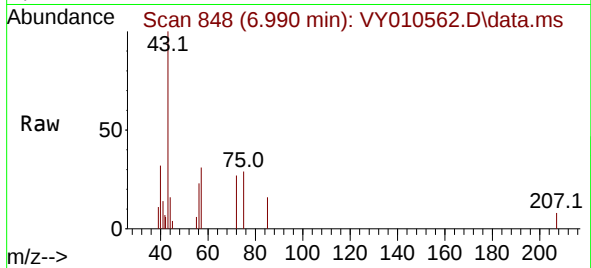




#25
2-Butanone
Concen: 9.298 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

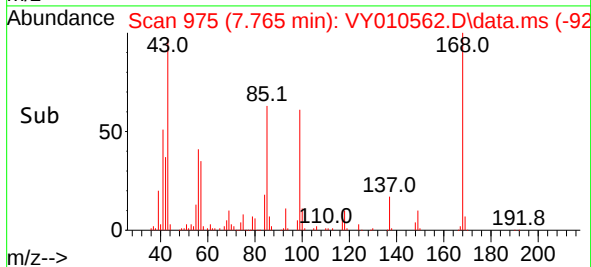
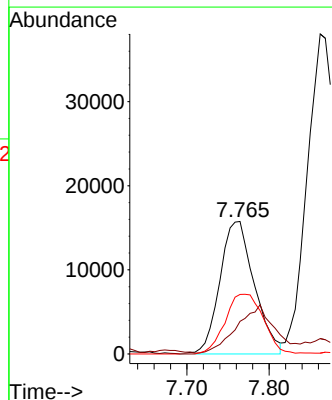
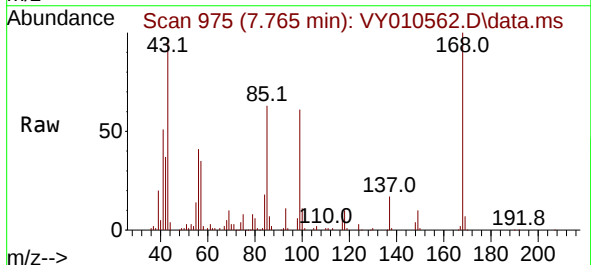
Instrument :
MSVOA_Y
ClientSampleId :
D22023-11

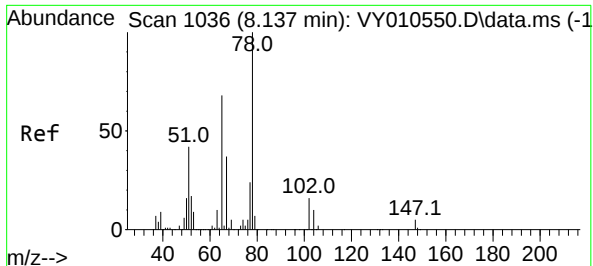
Tgt Ion: 43 Resp: 5463
Ion Ratio Lower Upper
43 100
72 27.5 17.7 26.5#



#31
Cyclohexane
Concen: 20.010 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.012 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 56 Resp: 45857
Ion Ratio Lower Upper
56 100
69 22.6 26.7 40.1#
84 44.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.976 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY010562.D

Acq: 19 Sep 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

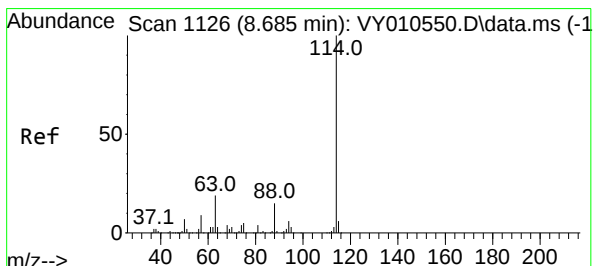
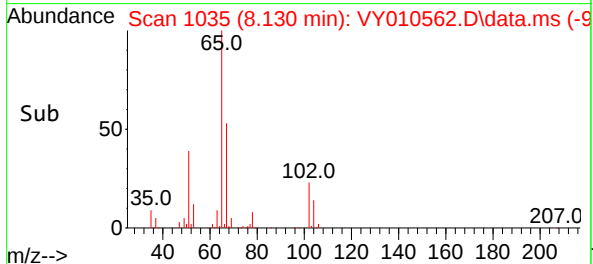
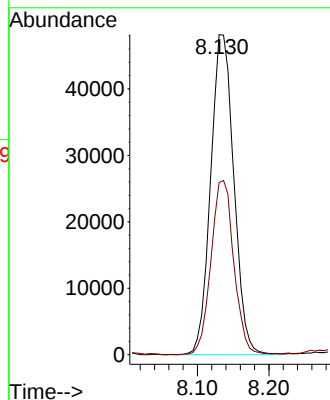
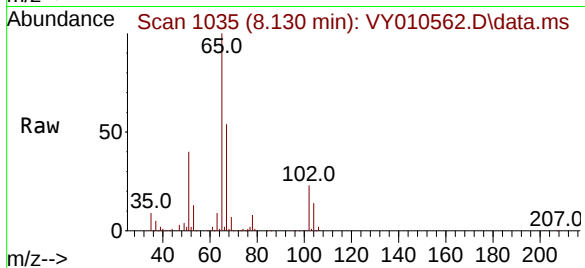
D22023-11

Tgt Ion: 65 Resp: 108632

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010562.D

Acq: 19 Sep 2022 19:35

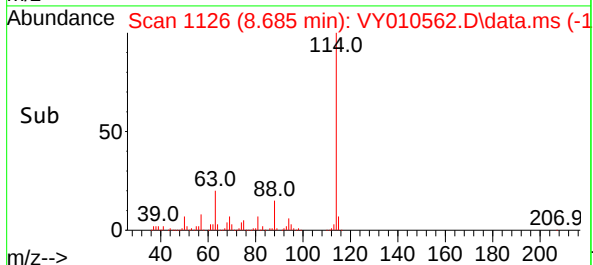
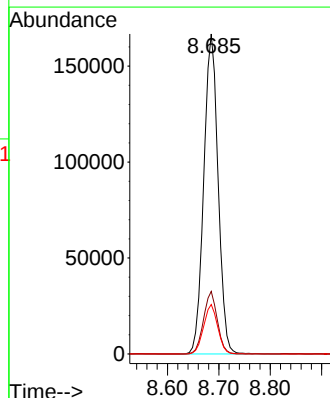
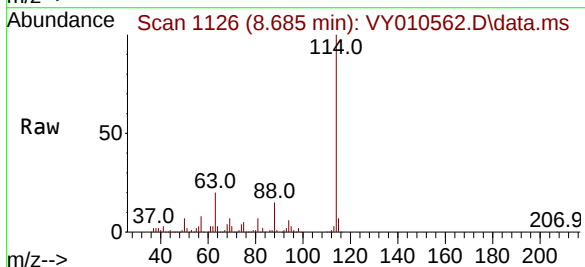
Tgt Ion: 114 Resp: 322233

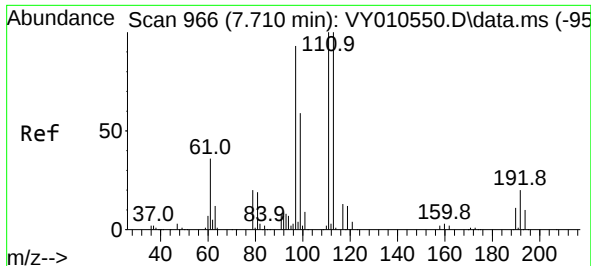
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.5 0.0 31.8

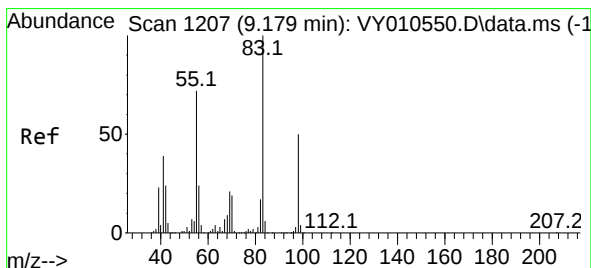
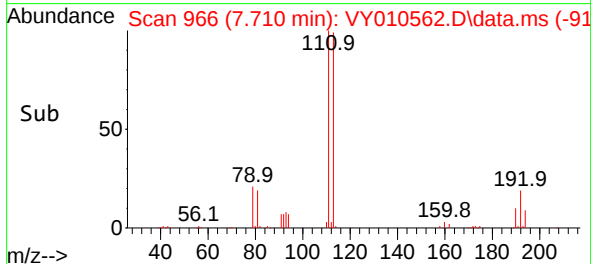
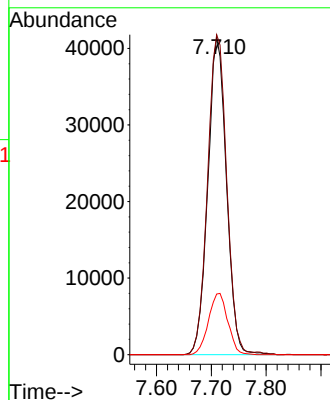
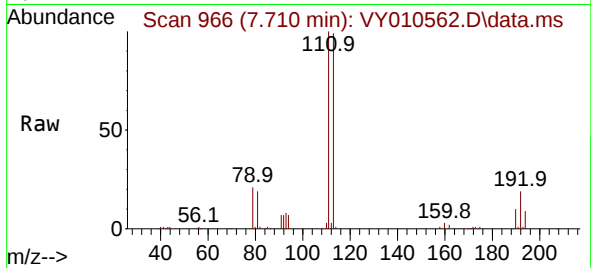




#35
Dibromofluoromethane
Concen: 47.377 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

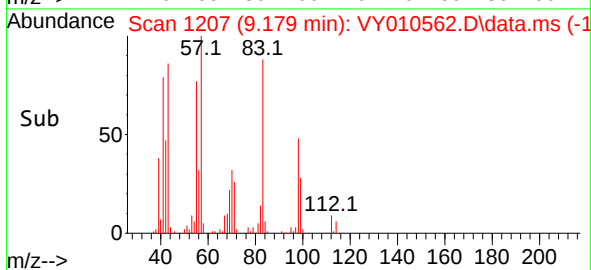
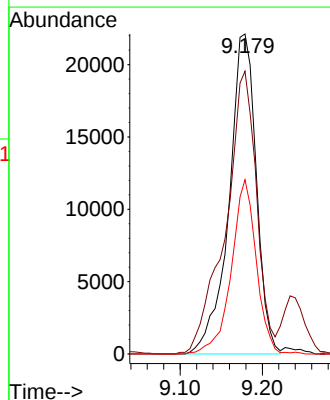
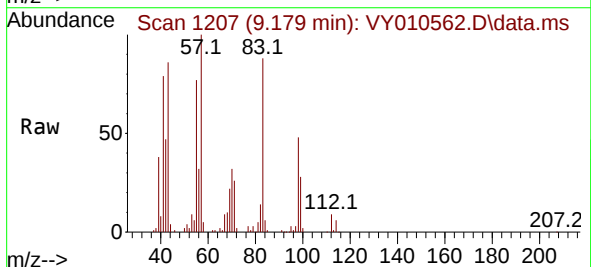
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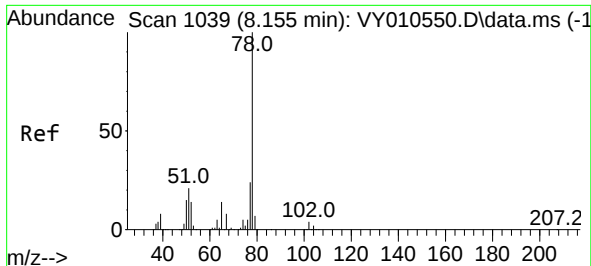
Tgt Ion:113 Resp: 97431
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 20.1 17.6 26.4



#39
Methylcyclohexane
Concen: 19.077 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 83 Resp: 51162
Ion Ratio Lower Upper
83 100
55 87.9 66.5 99.7
98 54.4 37.9 56.9

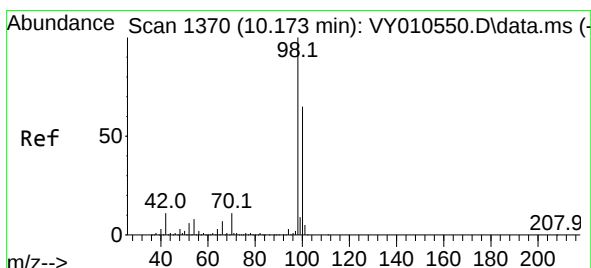
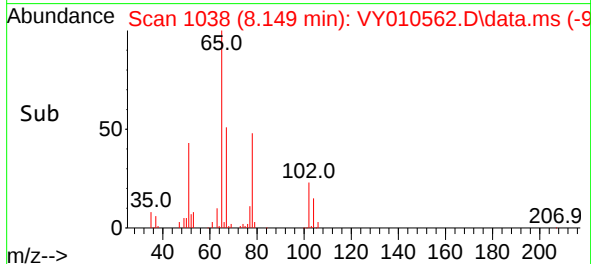
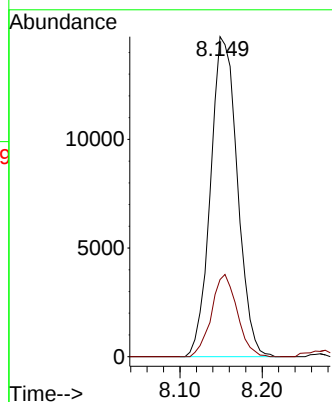
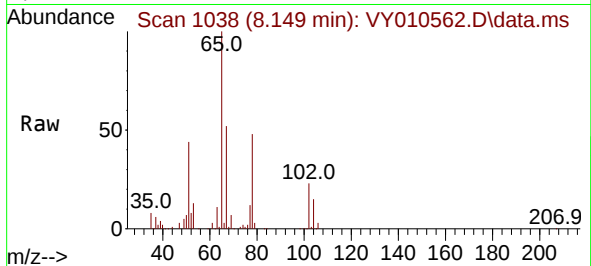




#40
Benzene
Concen: 4.890 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

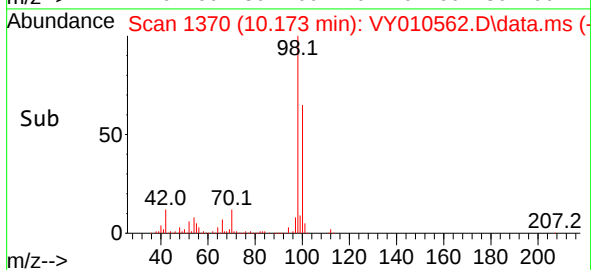
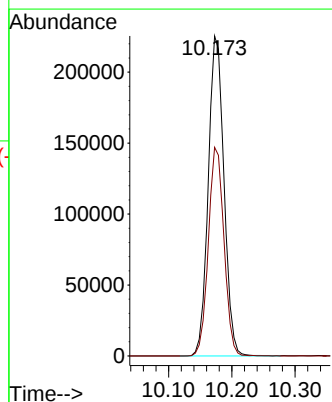
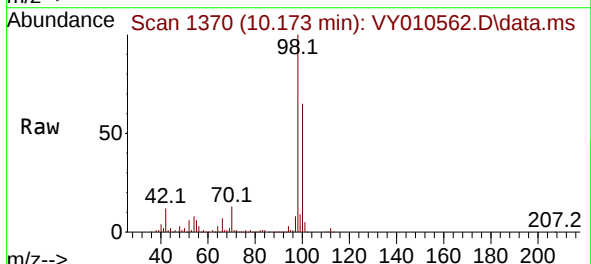
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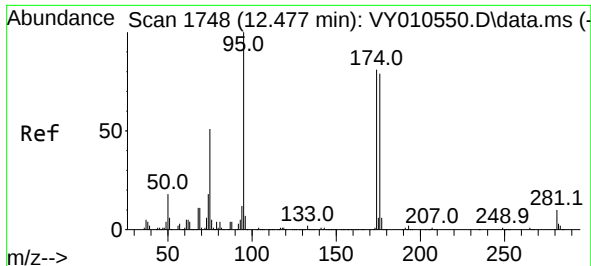
Tgt Ion: 78 Resp: 33403
Ion Ratio Lower Upper
78 100
77 24.1 20.4 30.6



#50
Toluene-d8
Concen: 51.187 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 98 Resp: 389638
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

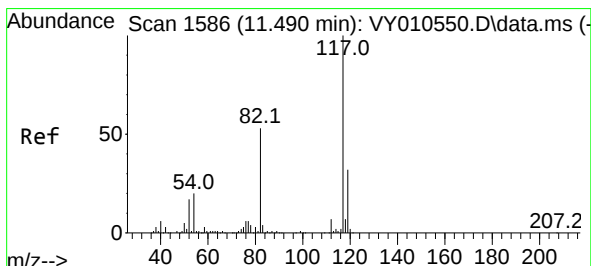
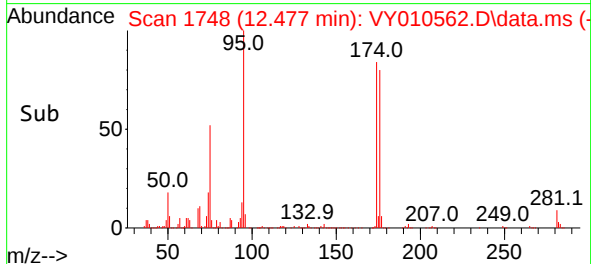
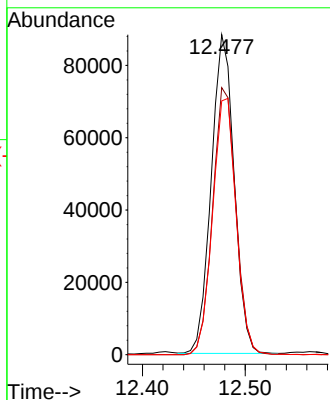
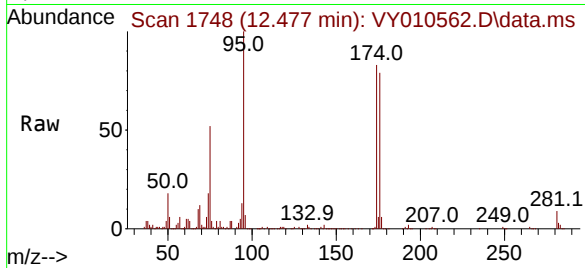




#62
4-Bromofluorobenzene
Concen: 48.234 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

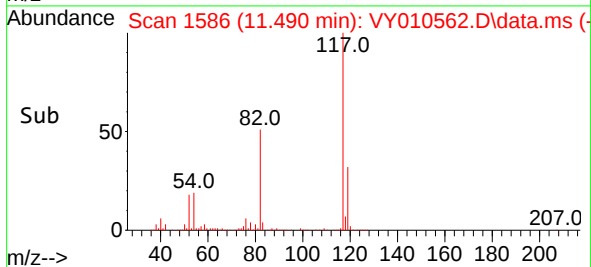
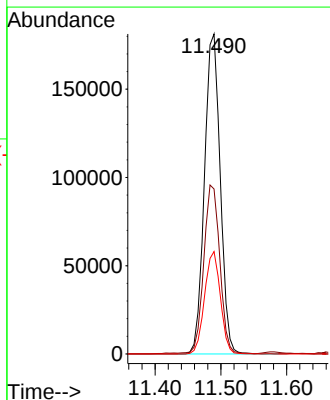
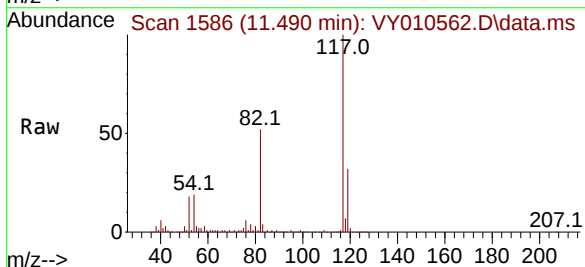
Instrument :
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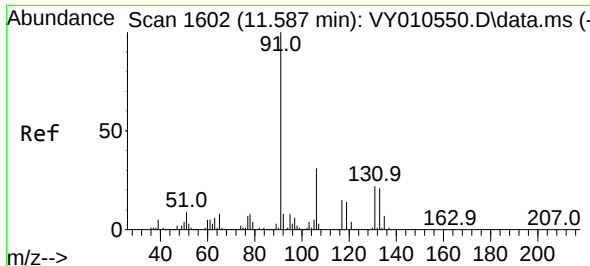
Tgt Ion: 95 Resp: 136323
Ion Ratio Lower Upper
95 100
174 85.3 0.0 177.0
176 82.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 117 Resp: 302867
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 32.0 25.4 38.0

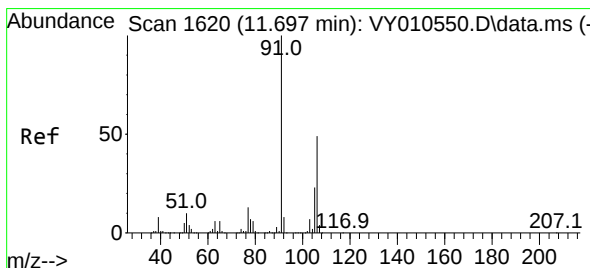
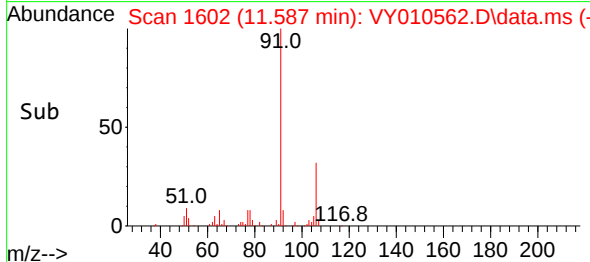
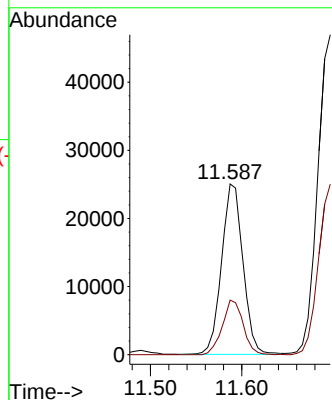
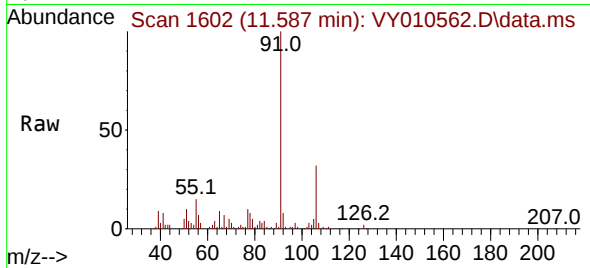




#67
Ethyl Benzene
Concen: 4.430 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

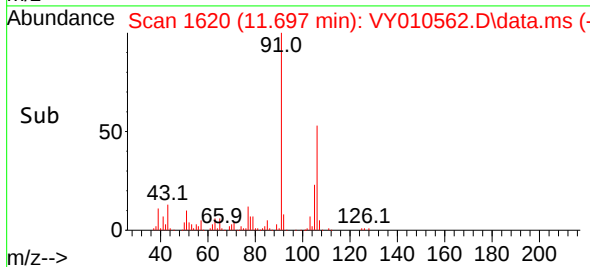
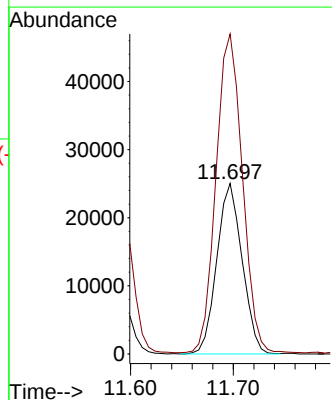
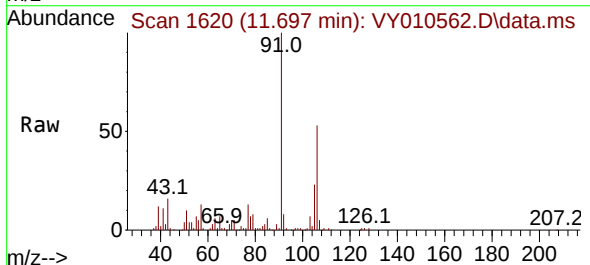
Instrument :
MSVOA_Y
ClientSampleId :
D22023-11

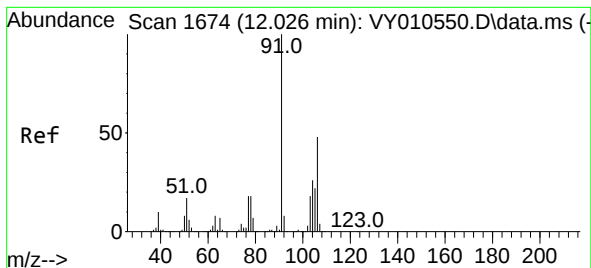
Tgt Ion: 91 Resp: 40740
Ion Ratio Lower Upper
91 100
106 32.0 24.5 36.7



#68
m/p-Xylenes
Concen: 12.008 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY010562.D
Acq: 19 Sep 2022 19:35

Tgt Ion: 106 Resp: 42779
Ion Ratio Lower Upper
106 100
91 195.2 166.6 249.8





#69

o-Xylene

Concen: 2.419 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010562.D

Acq: 19 Sep 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

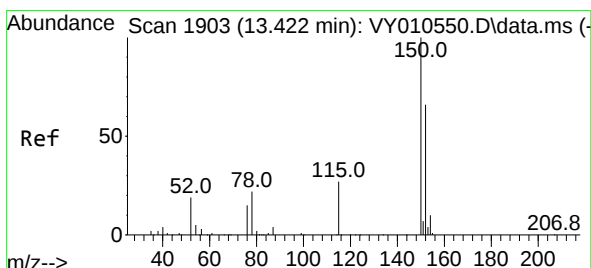
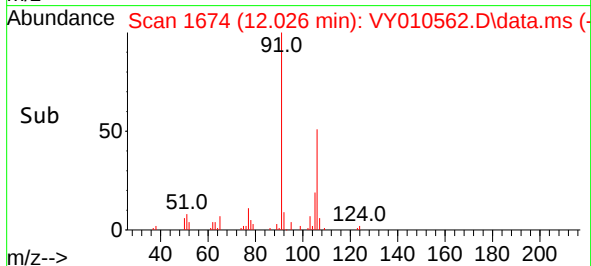
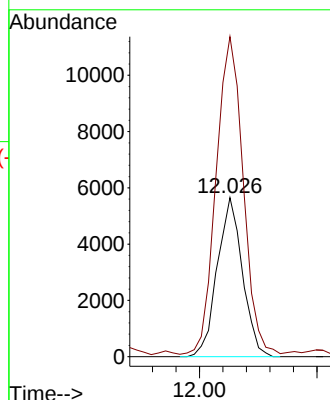
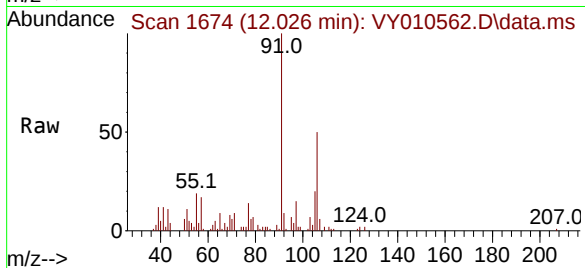
D22023-11

Tgt Ion:106 Resp: 8401

Ion Ratio Lower Upper

106 100

91 214.6 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010562.D

Acq: 19 Sep 2022 19:35

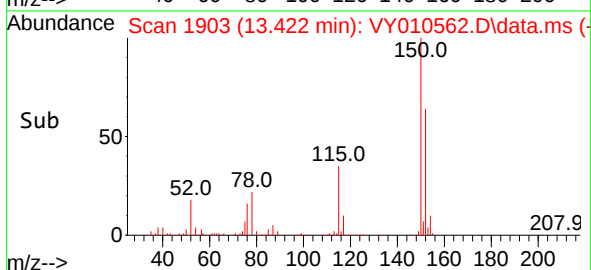
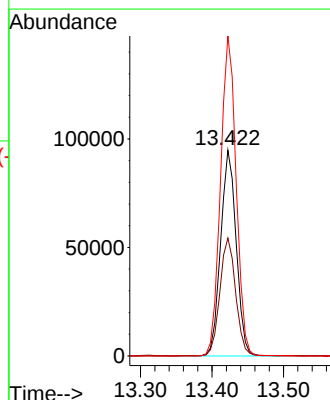
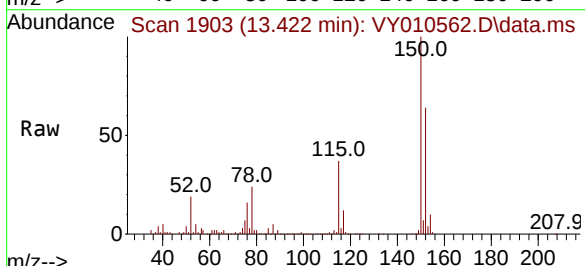
Tgt Ion:152 Resp: 143246

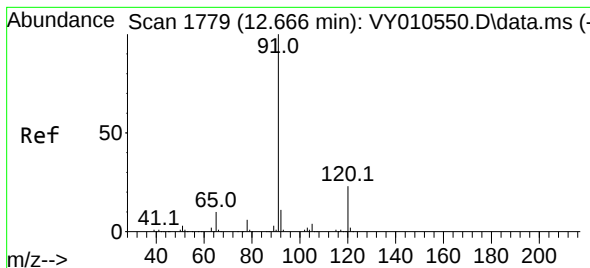
Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.7

150 156.0 0.0 347.6





#78

n-propylbenzene

Concen: 2.938 ug/l

RT: 12.666 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010562.D

Acq: 19 Sep 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

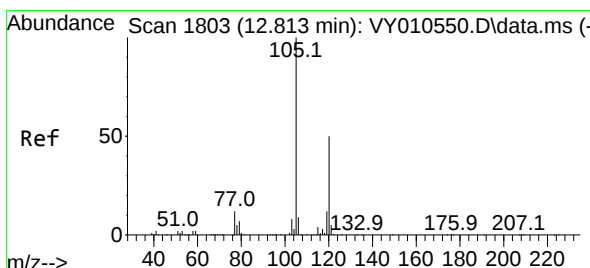
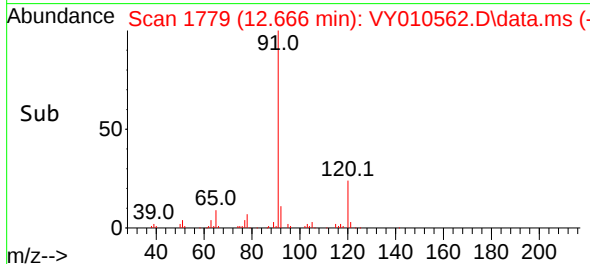
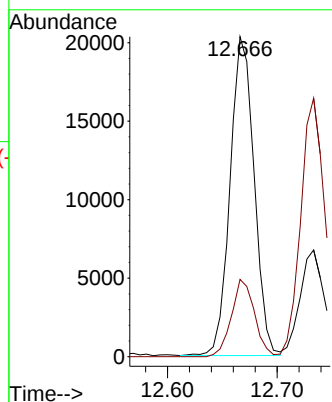
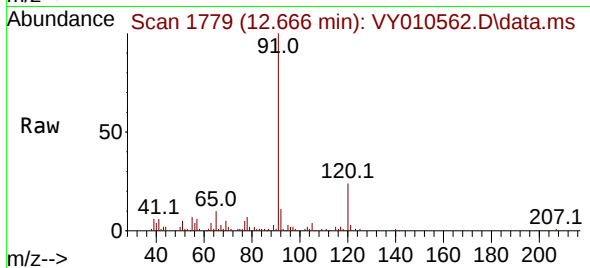
D22023-11

Tgt Ion: 91 Resp: 30979

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 5.025 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.007 min

Lab File: VY010562.D

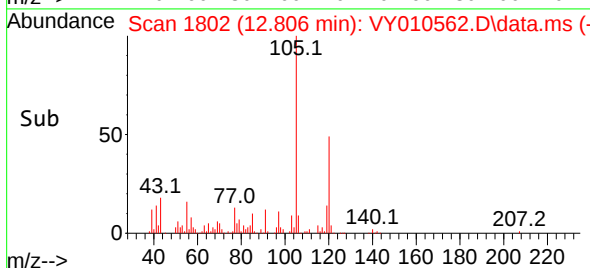
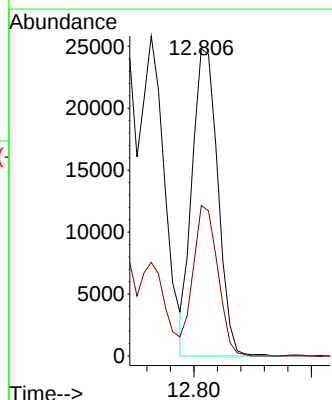
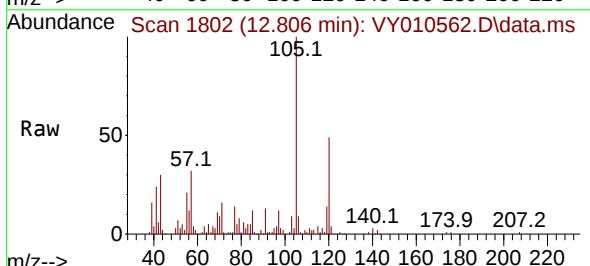
Acq: 19 Sep 2022 19:35

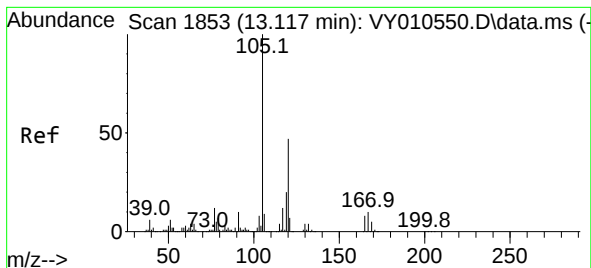
Tgt Ion: 105 Resp: 37586

Ion Ratio Lower Upper

105 100

120 47.1 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 14.110 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010562.D

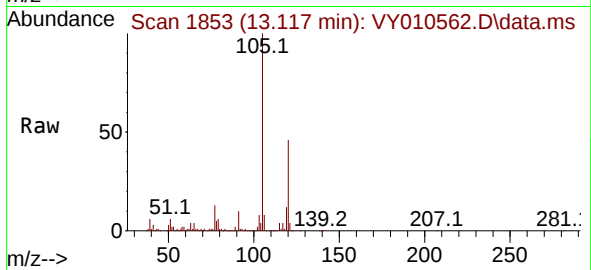
Acq: 19 Sep 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

D22023-11



Tgt Ion:105 Resp: 104856

Ion Ratio Lower Upper

105 100

120 46.1 22.3 66.9

