

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111122\
 Data File : VY011431.D
 Acq On : 11 Nov 2022 19:57
 Operator : KP/MD
 Sample : N5572-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31916

Quant Time: Nov 14 05:54:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

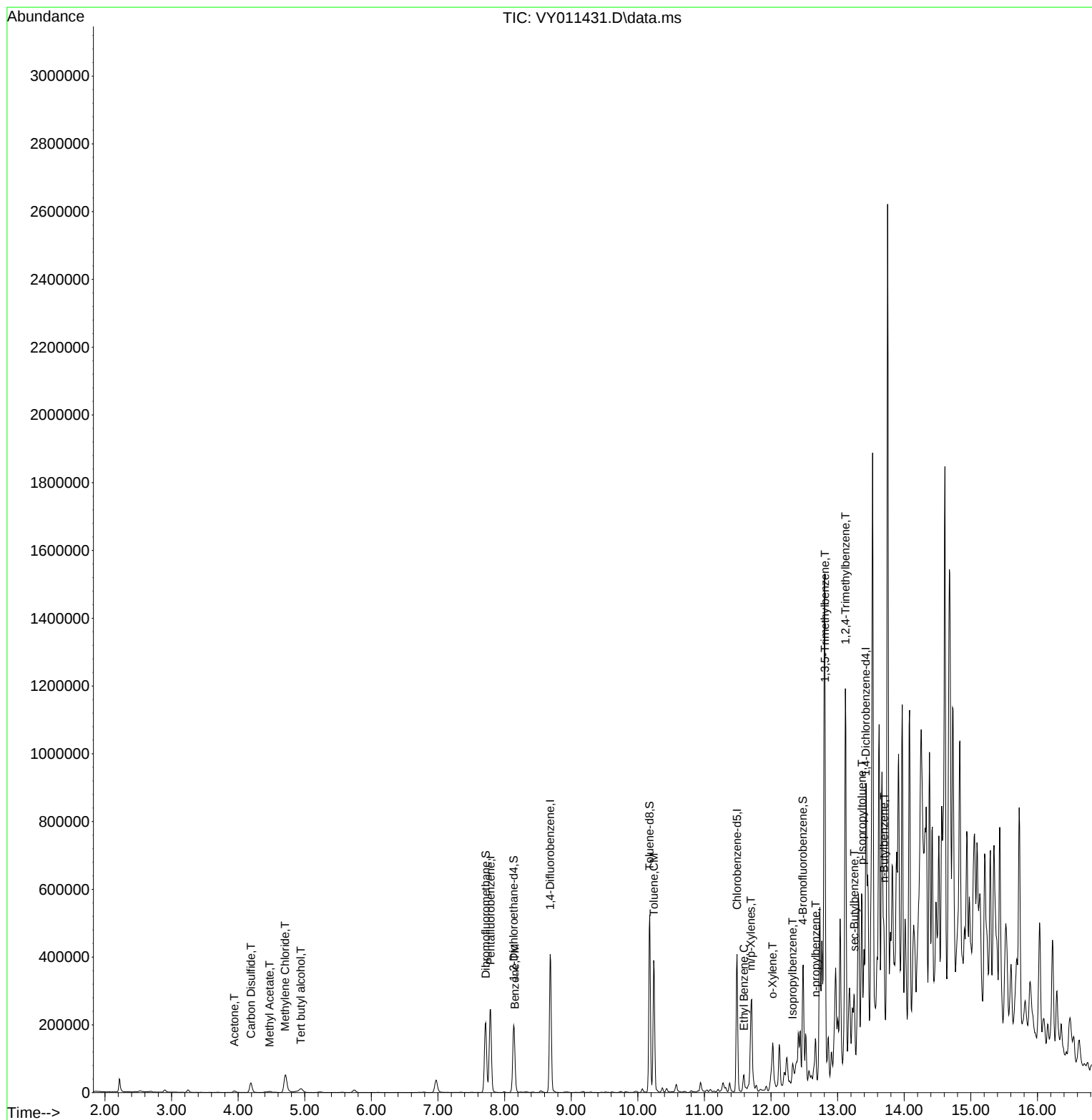
Internal Standards						
1) Pentafluorobenzene	7.789	168	199194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	364844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	235771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	148124	88.740	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.480%#	
35) Dibromofluoromethane	7.716	113	149161	72.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 145.900%	
50) Toluene-d8	10.179	98	349712	44.770	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.540%	
62) 4-Bromofluorobenzene	12.477	95	100786	36.993	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	21361	83.929	ug/l	99
16) Acetone	3.942	43	8074	18.331	ug/l #	89
17) Carbon Disulfide	4.192	76	56717	10.654	ug/l	100
18) Methyl Acetate	4.472	43	6568	4.353	ug/l #	90
20) Methylene Chloride	4.704	84	42840	12.234	ug/l #	78
40) Benzene	8.155	78	19454	2.053	ug/l	96
52) Toluene	10.240	92	167376	27.658	ug/l	96
67) Ethyl Benzene	11.593	91	31181	3.782	ug/l	95
68) m/p-Xylenes	11.697	106	51504	15.932	ug/l	92
69) o-Xylene	12.026	106	31618	10.370	ug/l	98
73) Isopropylbenzene	12.325	105	23225	4.052	ug/l	98
78) n-propylbenzene	12.672	91	97171	14.210	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	140369	29.038	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	596649	125.748	ug/l	97
85) sec-Butylbenzene	13.251	105	85511	13.900	ug/l	85
86) p-Isopropyltoluene	13.367	119	70005	13.575	ug/l	97
89) n-Butylbenzene	13.696	91	224902	48.537	ug/l #	72

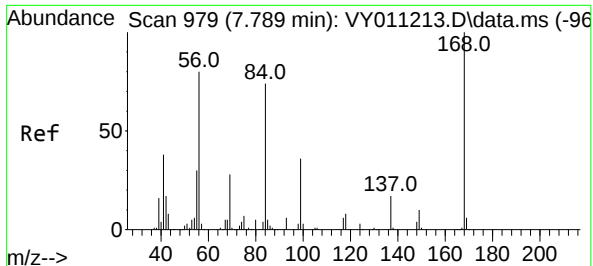
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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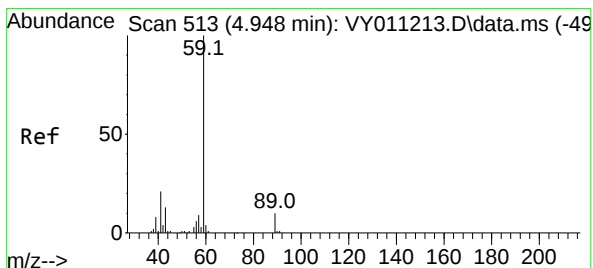
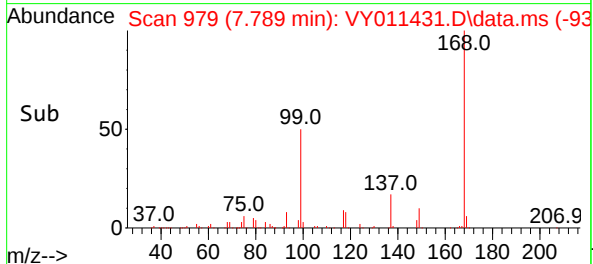
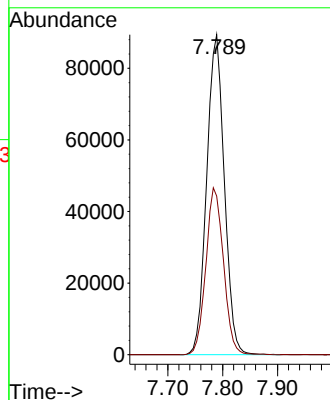
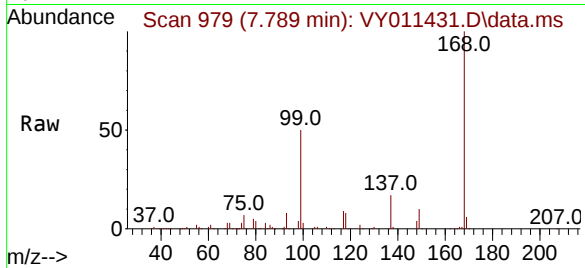




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

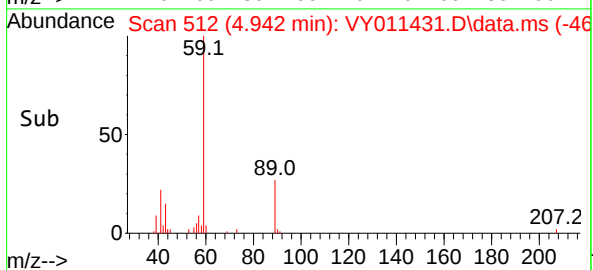
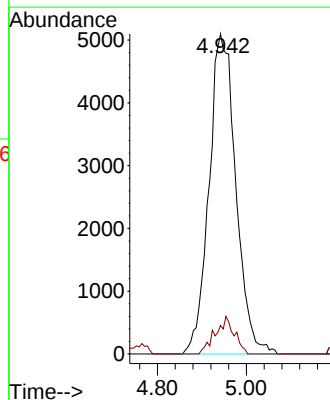
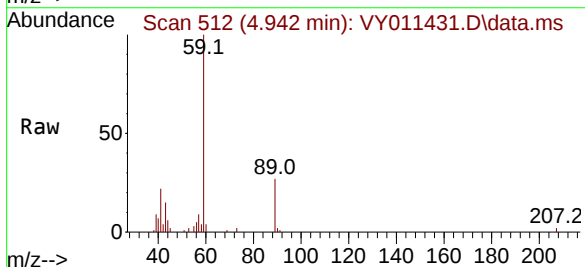
Instrument :
MSVOA_Y
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31916

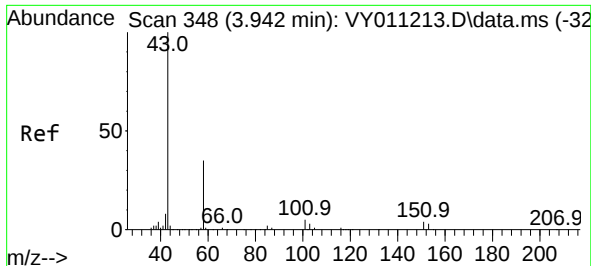
Tgt Ion:168 Resp: 199194
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 83.929 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 59 Resp: 21361
Ion Ratio Lower Upper
59 100
57 8.2 6.4 9.6

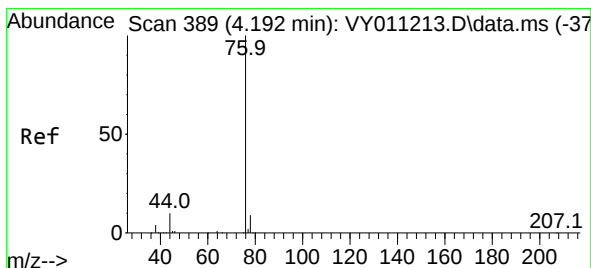
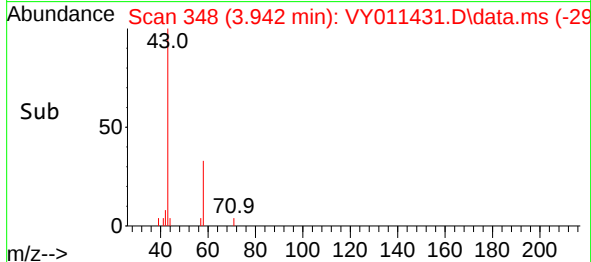
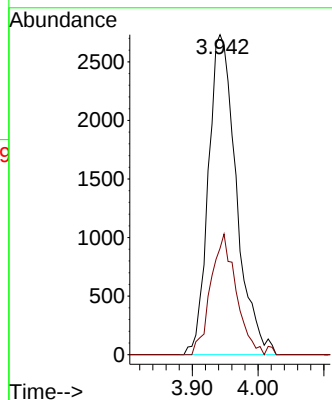
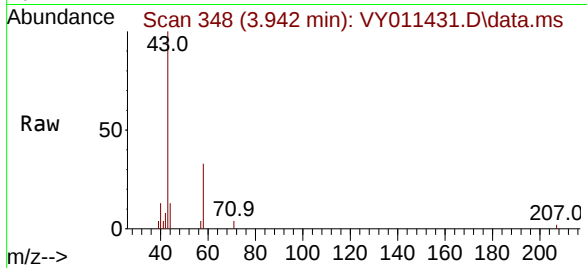




#16
Acetone
Concen: 18.331 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

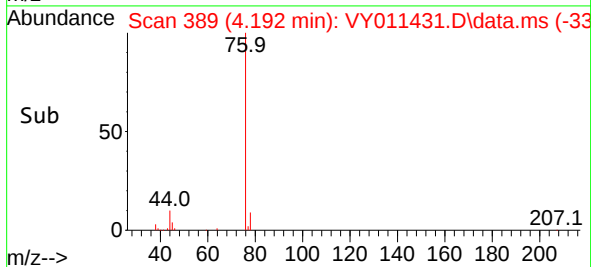
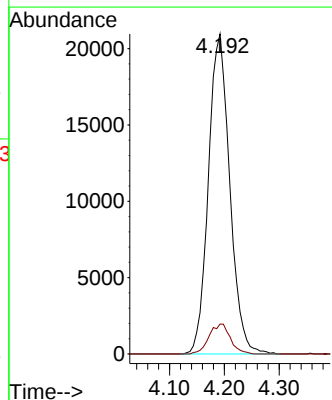
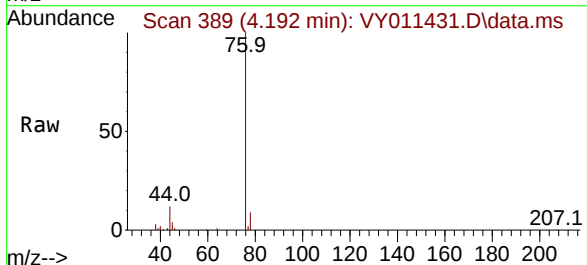
Instrument :
MSVOA_Y
ClientSampleId :
31916

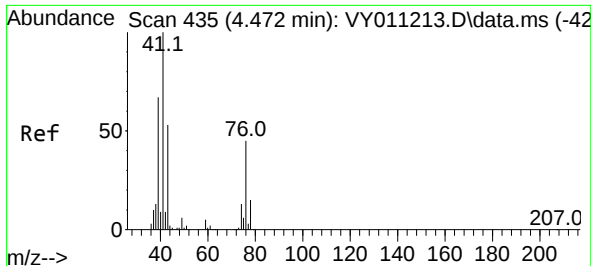
Tgt Ion: 43 Resp: 8074
Ion Ratio Lower Upper
43 100
58 33.2 22.0 33.0#



#17
Carbon Disulfide
Concen: 10.654 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 76 Resp: 56717
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

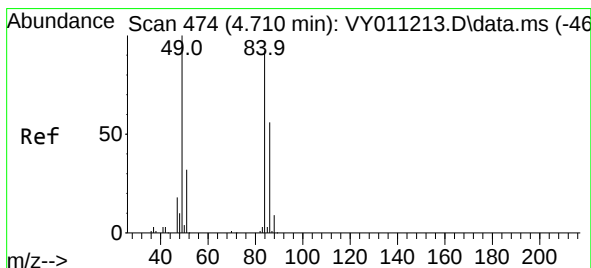
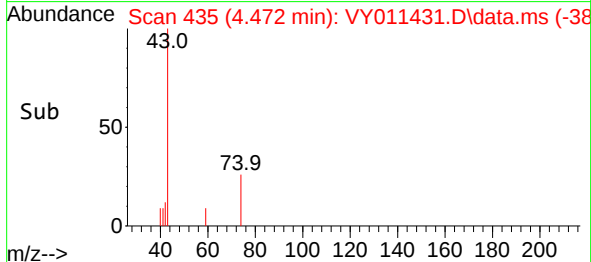
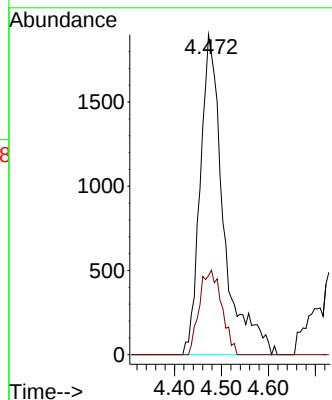
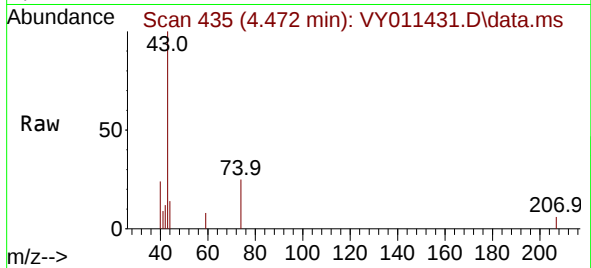




#18
Methyl Acetate
Concen: 4.353 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

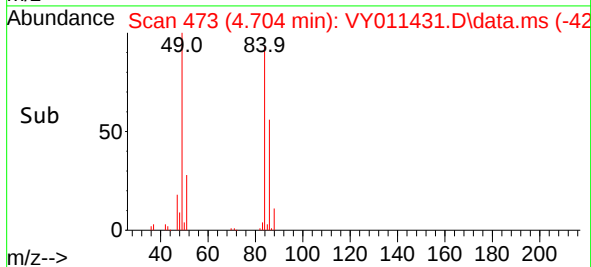
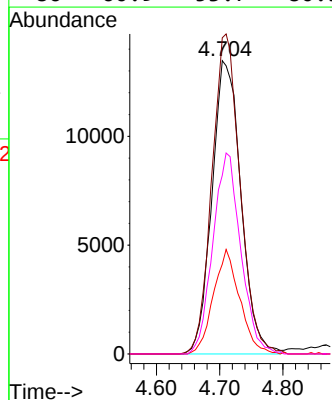
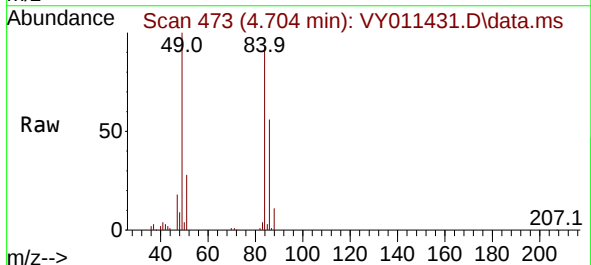
Instrument :
MSVOA_Y
ClientSampleId :
31916

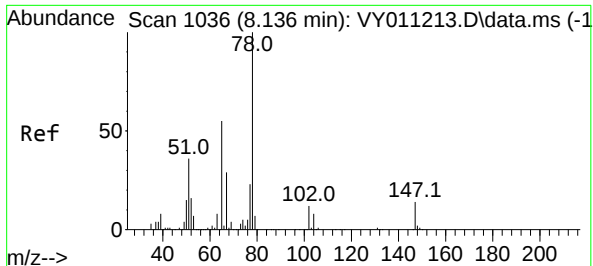
Tgt Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
74 25.3 16.6 24.8#



#20
Methylene Chloride
Concen: 12.234 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 84 Resp: 42840
Ion Ratio Lower Upper
84 100
49 107.8 114.4 171.6#
51 30.6 35.3 52.9#
86 60.9 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 88.740 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011431.D

Acq: 11 Nov 2022 19:57

Instrument :

MSVOA_Y

ClientSampleId :

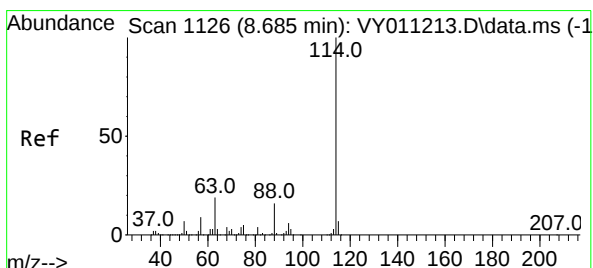
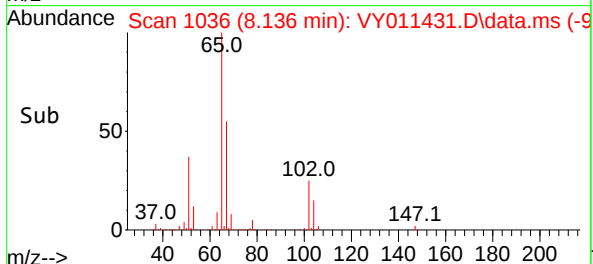
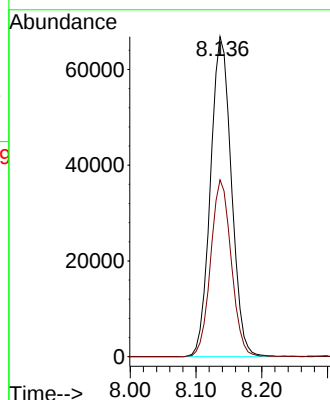
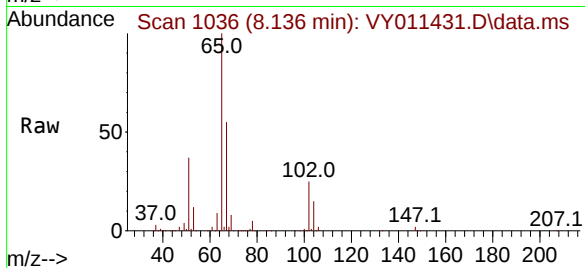
31916

Tgt Ion: 65 Resp: 148124

Ion Ratio Lower Upper

65 100

67 54.4 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: VY011431.D

Acq: 11 Nov 2022 19:57

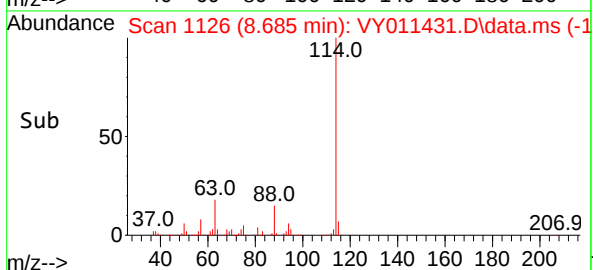
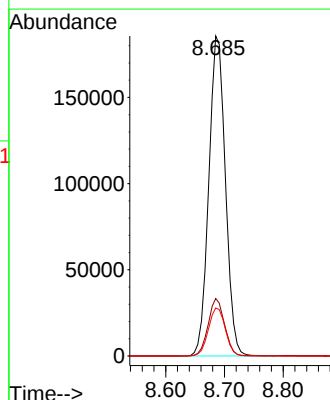
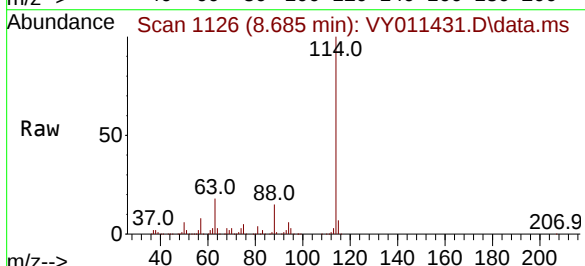
Tgt Ion: 114 Resp: 364844

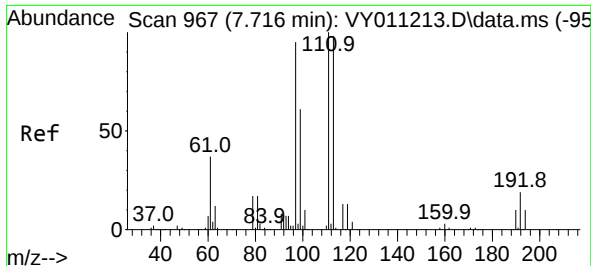
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 15.0 0.0 31.8

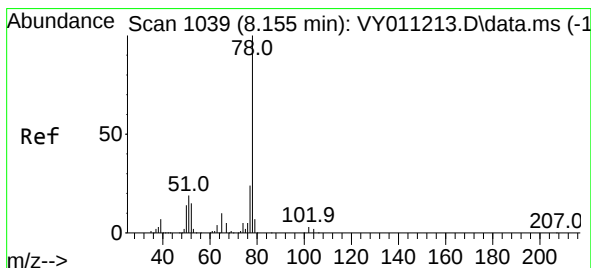
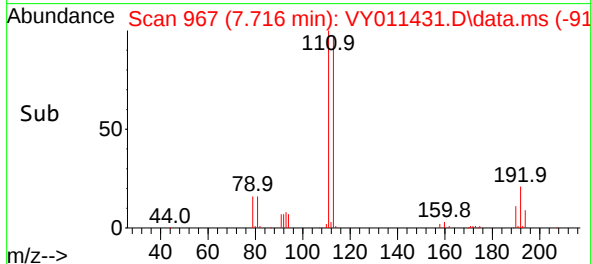
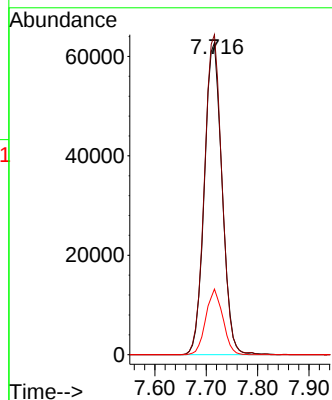
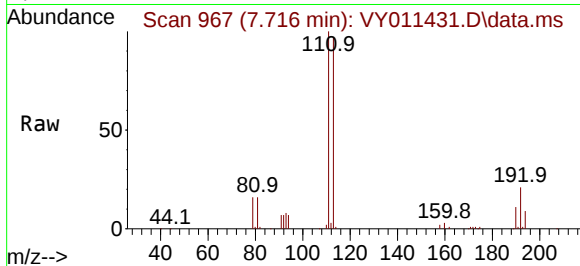




#35
Dibromofluoromethane
Concen: 72.951 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

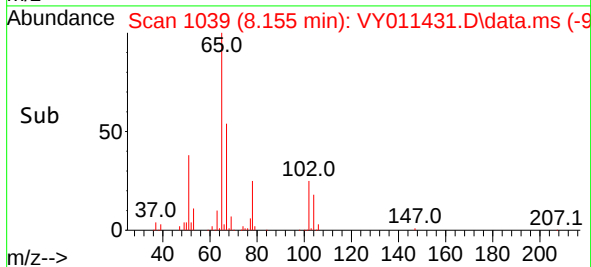
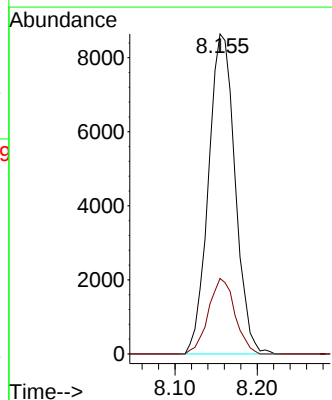
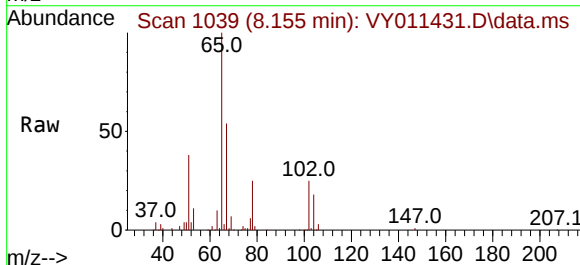
Instrument :
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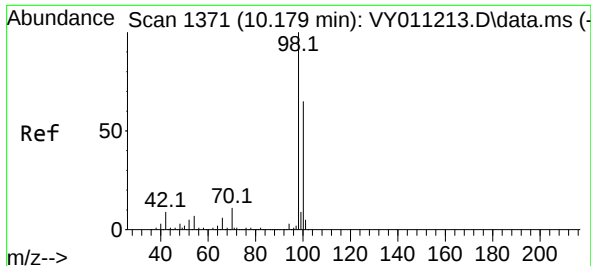
Tgt Ion:113 Resp: 149161
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 20.3 17.6 26.4



#40
Benzene
Concen: 2.053 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 78 Resp: 19454
Ion Ratio Lower Upper
78 100
77 23.6 20.4 30.6

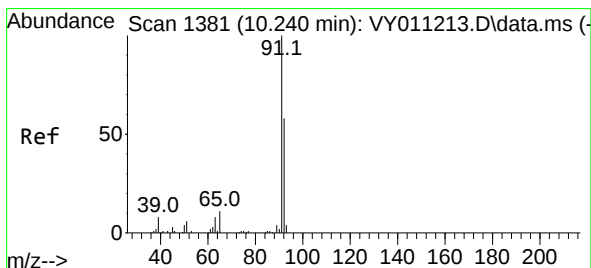
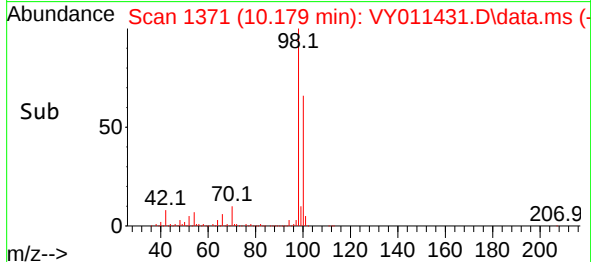
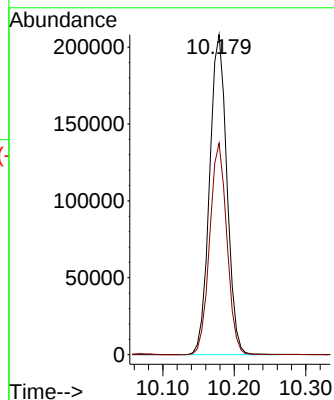
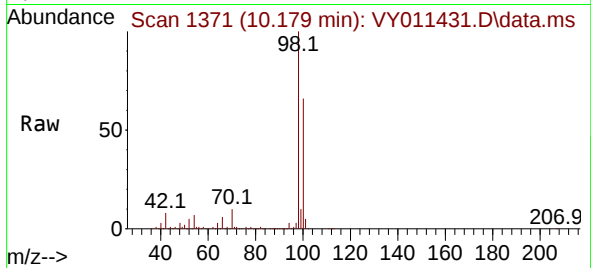




#50
Toluene-d8
Concen: 44.770 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

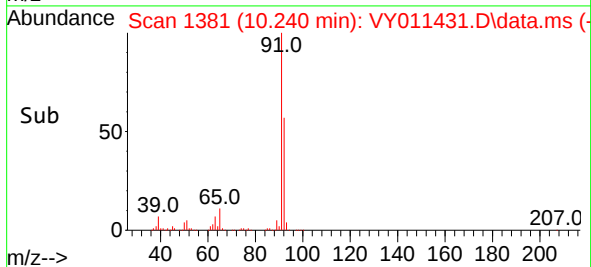
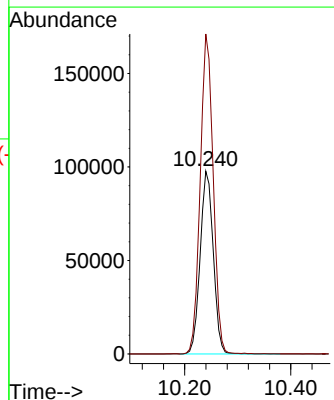
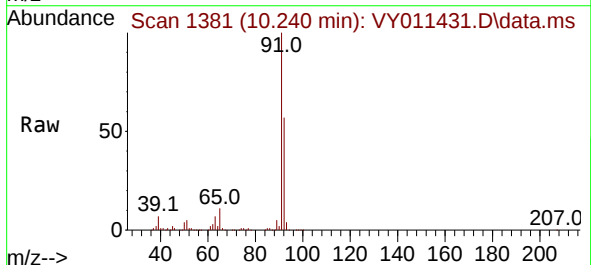
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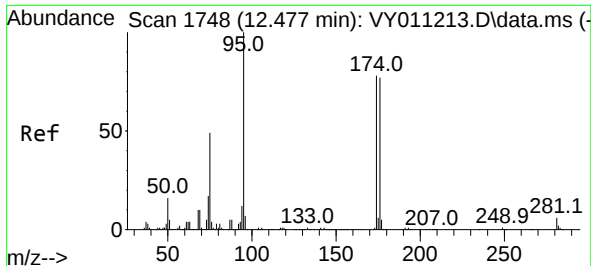
Tgt Ion: 98 Resp: 349712
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#52
Toluene
Concen: 27.658 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 92 Resp: 167376
Ion Ratio Lower Upper
92 100
91 173.2 142.6 213.8

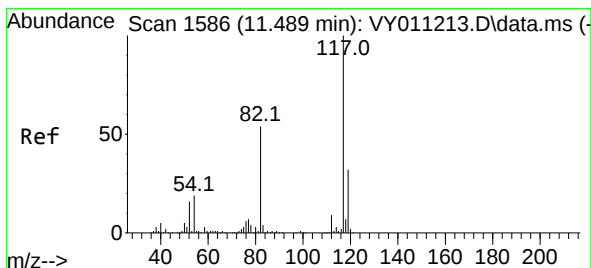
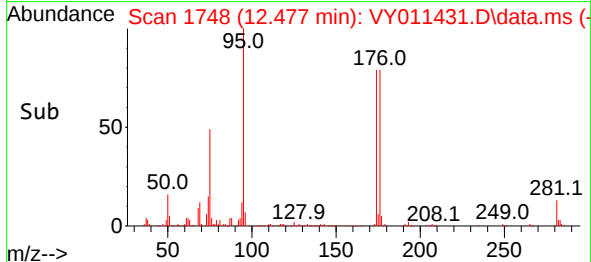
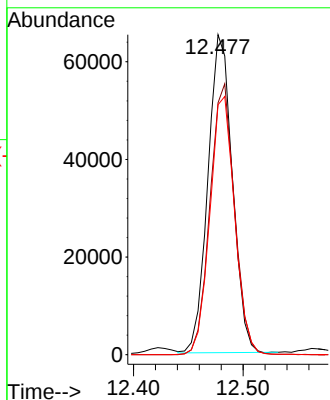
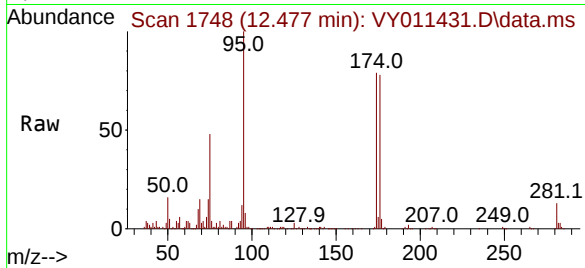




#62
4-Bromofluorobenzene
Concen: 36.993 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

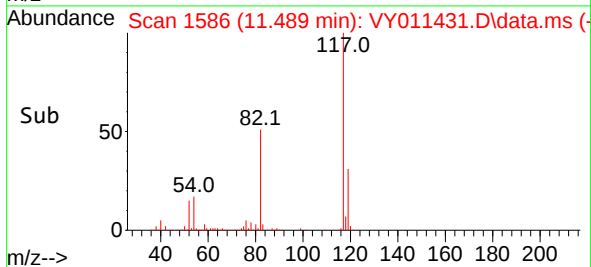
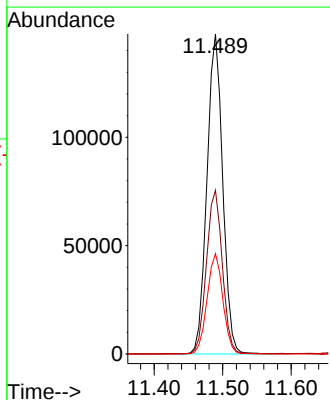
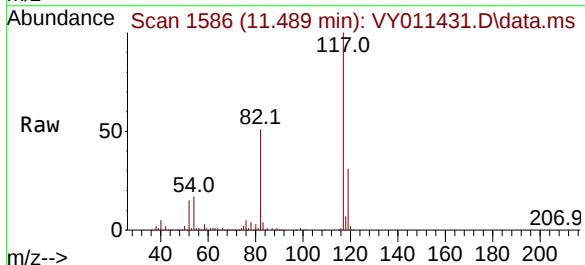
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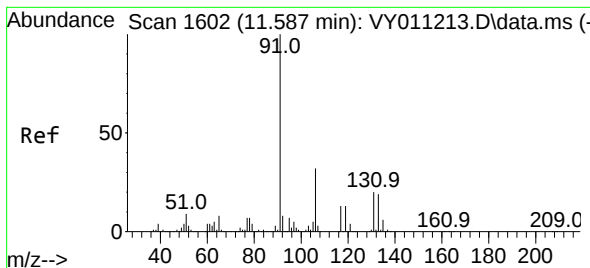
Tgt Ion: 95 Resp: 100786
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion: 117 Resp: 235771
Ion Ratio Lower Upper
117 100
82 51.0 43.0 64.4
119 31.3 25.4 38.0





#67

Ethyl Benzene

Concen: 3.782 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011431.D

Acq: 11 Nov 2022 19:57

Instrument :

MSVOA_Y

ClientSampleId :

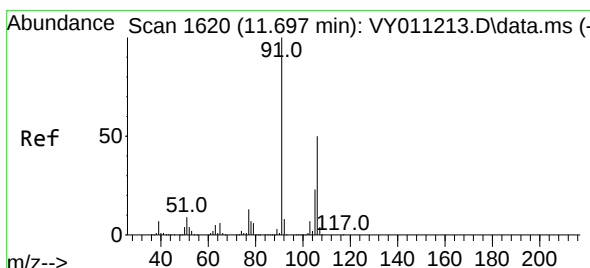
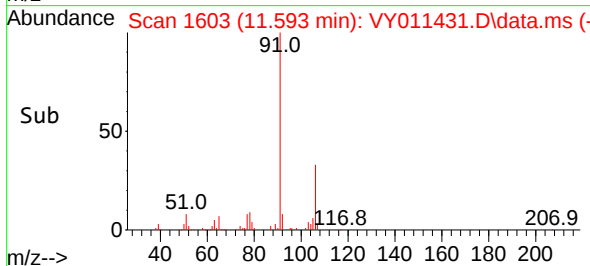
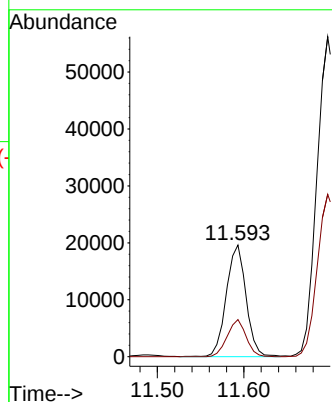
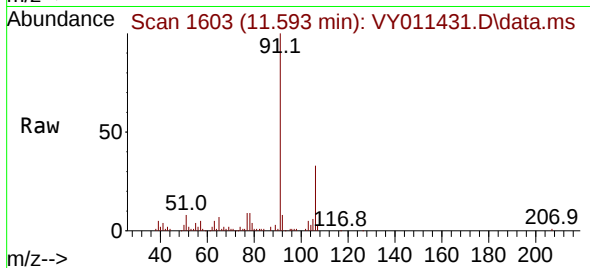
31916

Tgt Ion: 91 Resp: 31181

Ion Ratio Lower Upper

91 100

106 33.2 24.5 36.7



#68

m/p-Xylenes

Concen: 15.932 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY011431.D

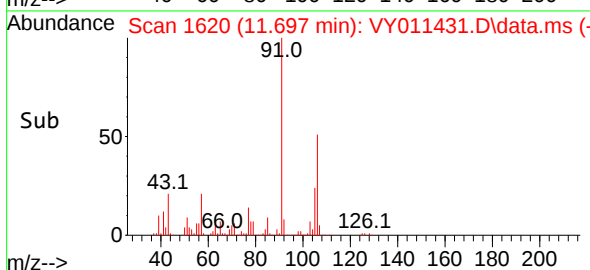
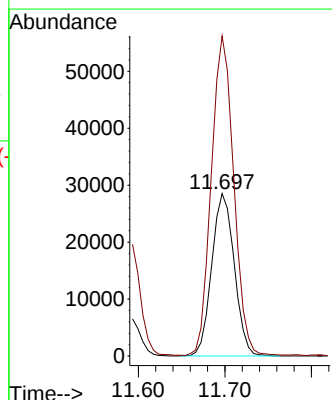
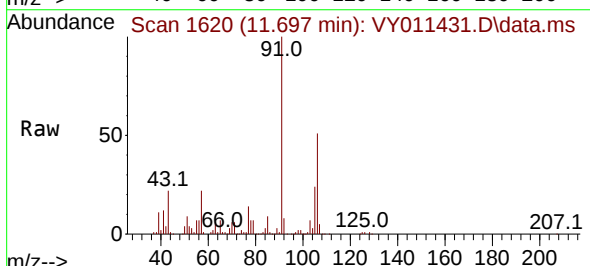
Acq: 11 Nov 2022 19:57

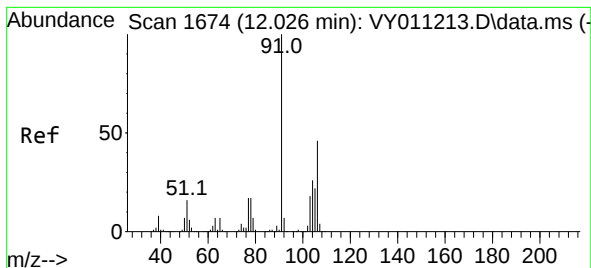
Tgt Ion:106 Resp: 51504

Ion Ratio Lower Upper

106 100

91 196.0 166.6 249.8





#69

o-Xylene

Concen: 10.370 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011431.D

Acq: 11 Nov 2022 19:57

Instrument :

MSVOA_Y

ClientSampleId :

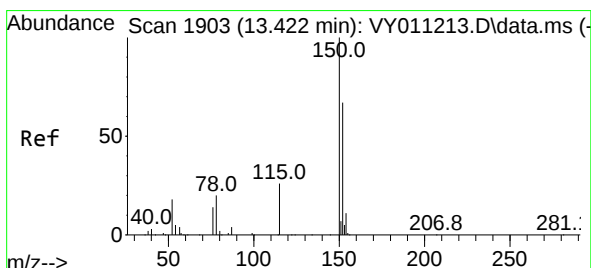
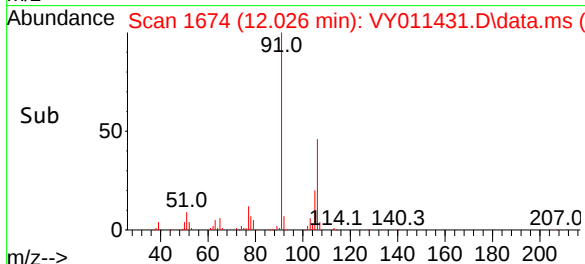
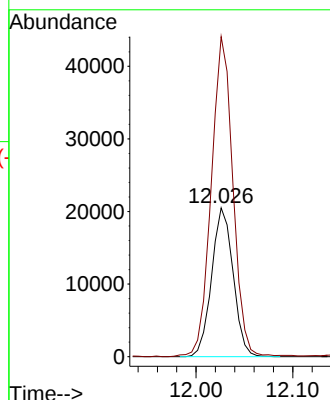
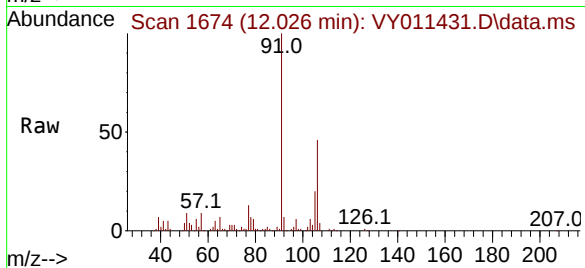
31916

Tgt Ion:106 Resp: 31618

Ion Ratio Lower Upper

106 100

91 217.5 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011431.D

Acq: 11 Nov 2022 19:57

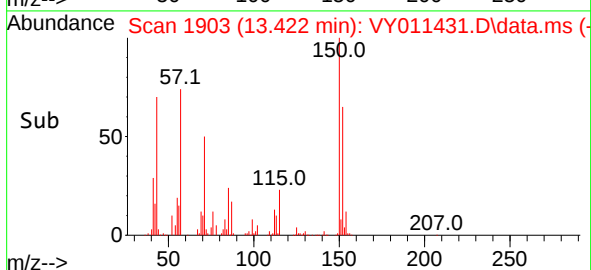
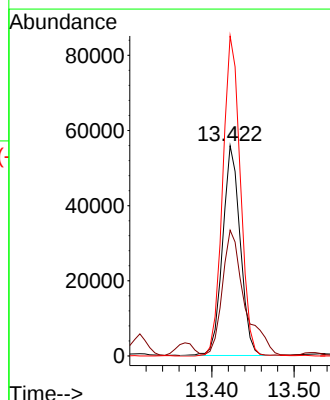
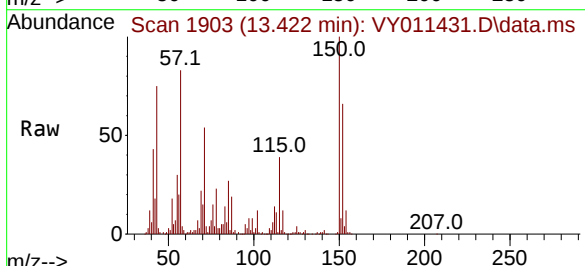
Tgt Ion:152 Resp: 82920

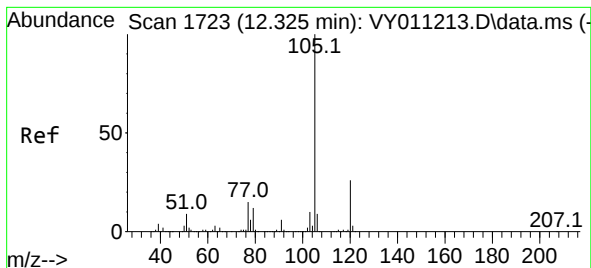
Ion Ratio Lower Upper

152 100

115 74.6 28.2 84.7

150 153.3 0.0 347.6





#73

Isopropylbenzene

Concen: 4.052 ug/l

RT: 12.325 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011431.D

Acq: 11 Nov 2022 19:57

Instrument :

MSVOA_Y

ClientSampleId :

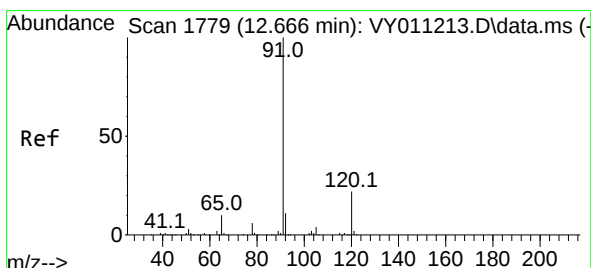
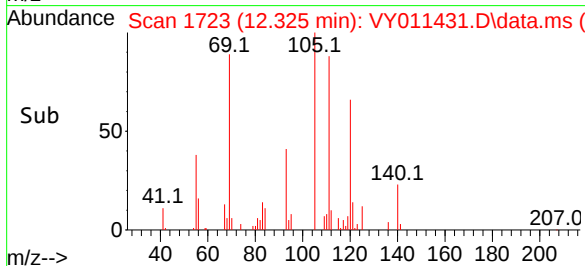
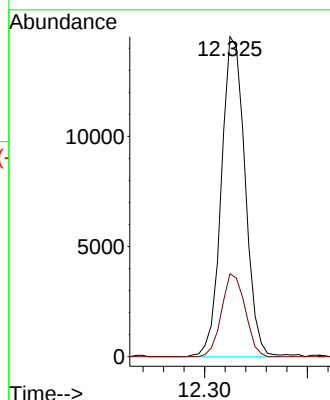
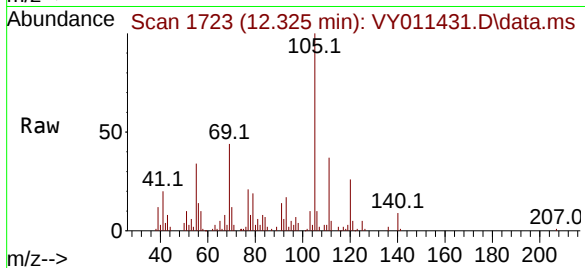
31916

Tgt Ion:105 Resp: 23225

Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.2



#78

n-propylbenzene

Concen: 14.210 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY011431.D

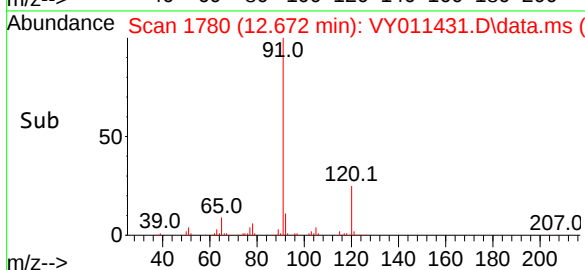
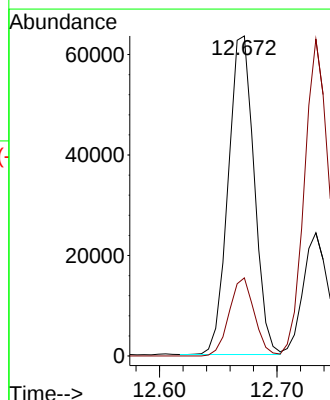
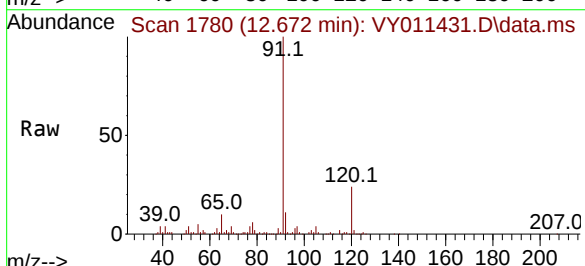
Acq: 11 Nov 2022 19:57

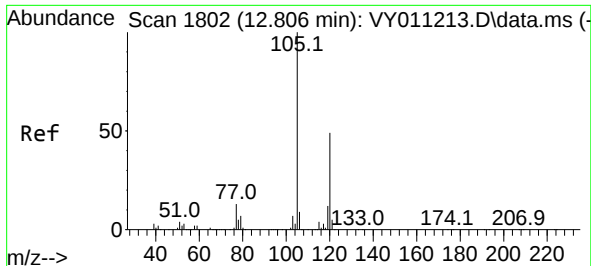
Tgt Ion: 91 Resp: 97171

Ion Ratio Lower Upper

91 100

120 23.8 11.3 33.9

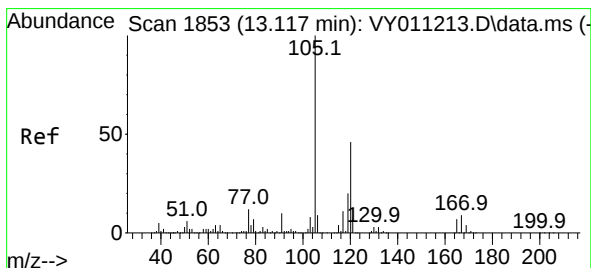
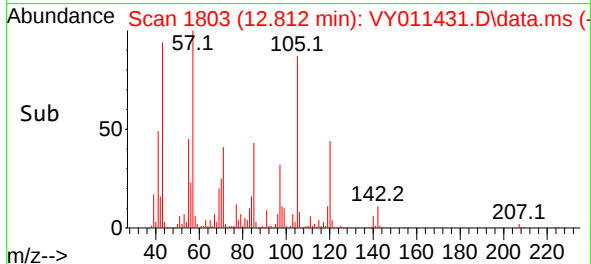
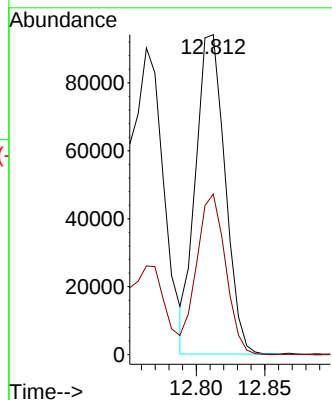
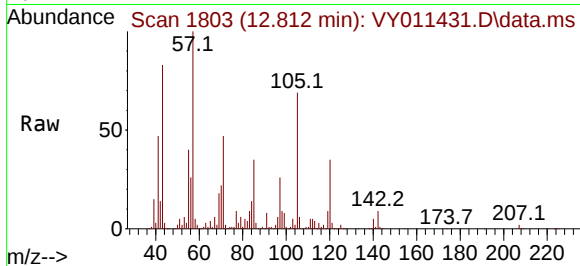




#80
1,3,5-Trimethylbenzene
Concen: 29.038 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

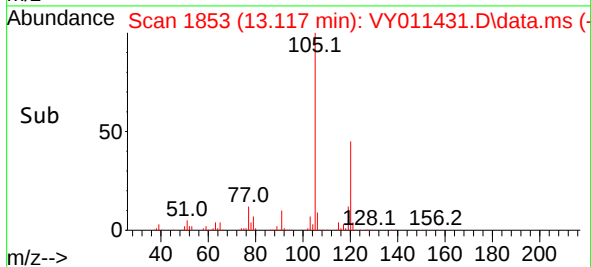
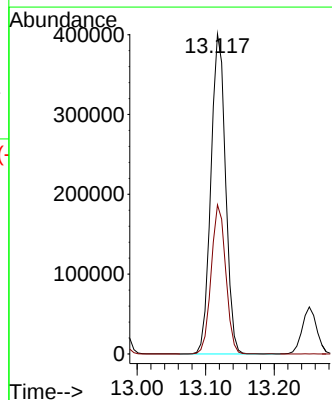
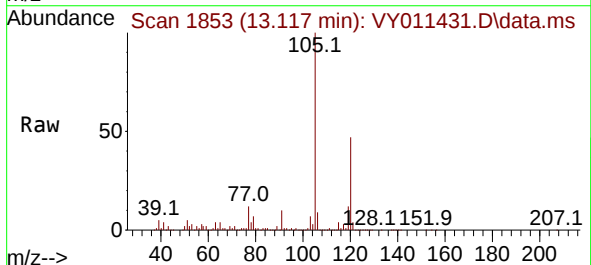
Instrument :
MSVOA_Y
ClientSampleId :
31916

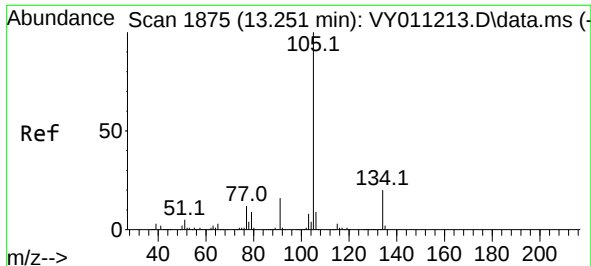
Tgt Ion:105 Resp: 140369
Ion Ratio Lower Upper
105 100
120 49.5 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 125.748 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011431.D
Acq: 11 Nov 2022 19:57

Tgt Ion:105 Resp: 596649
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.9

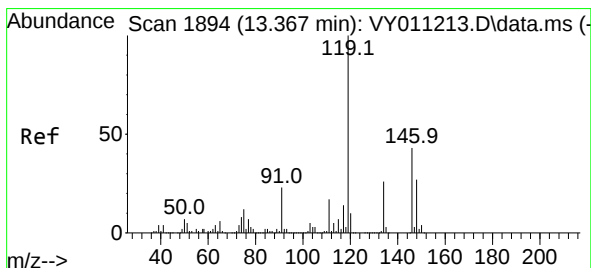
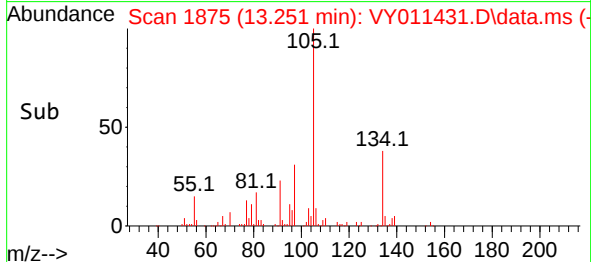
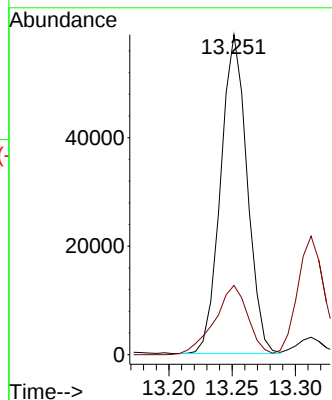
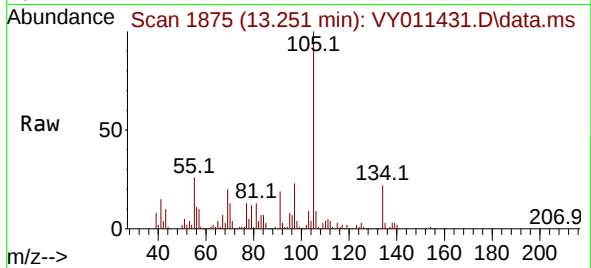




#85
 sec-Butylbenzene
 Concen: 13.900 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY011431.D
 Acq: 11 Nov 2022 19:57

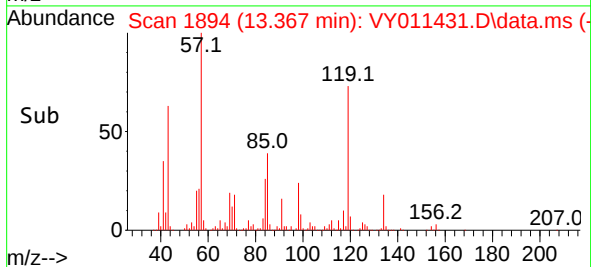
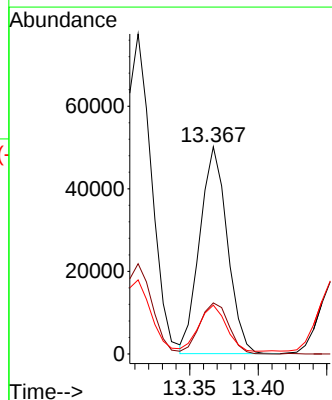
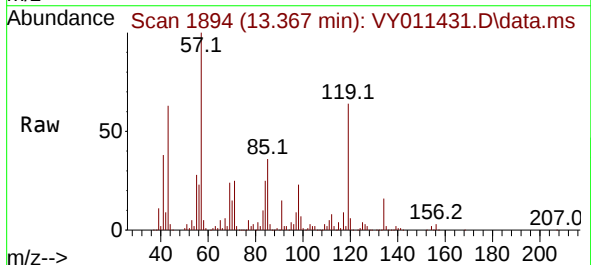
Instrument :
 MSVOA_Y
 ClientSampleId :
 31916

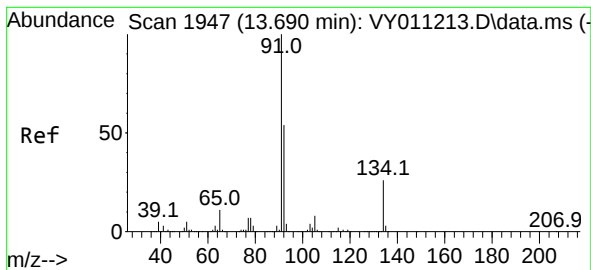
Tgt Ion:105 Resp: 85511
 Ion Ratio Lower Upper
 105 100
 134 27.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 13.575 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY011431.D
 Acq: 11 Nov 2022 19:57

Tgt Ion:119 Resp: 70005
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 21.6 12.4 37.2





#89

n-Butylbenzene

Concen: 48.537 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY011431.D

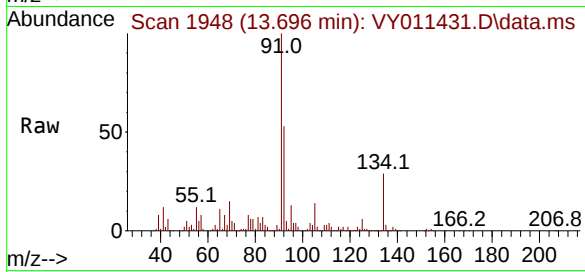
Acq: 11 Nov 2022 19:57

Instrument :

MSVOA_Y

ClientSampleId :

31916



Tgt Ion: 91 Resp: 224902

Ion Ratio Lower Upper

91 100

92 40.8 26.3 78.9

134 0.0 13.0 38.9#

