

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090822\
 Data File : VY010387.D
 Acq On : 08 Sep 2022 11:54
 Operator : KP/MD
 Sample : N4505-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31181

Quant Time: Sep 08 16:23:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

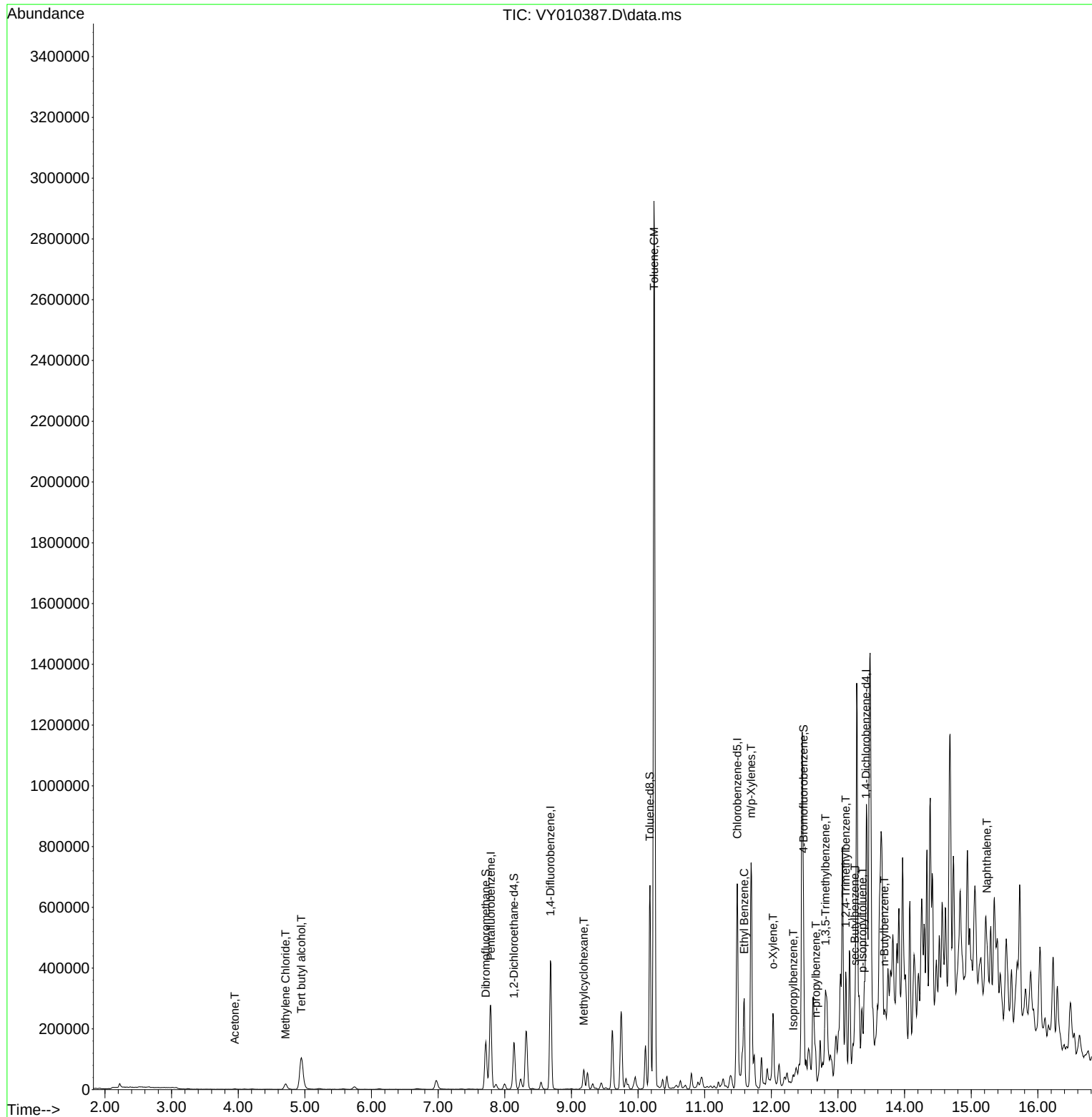
Internal Standards						
1) Pentafluorobenzene	7.789	168	226474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	338117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116032	49.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.716	113	109132	44.222	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.440%		
50) Toluene-d8	10.179	98	440334	53.294	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.580%		
62) 4-Bromofluorobenzene	12.483	95	148923	44.285	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	210432	757.440	ug/l #	93
16) Acetone	3.948	43	2972	5.119	ug/l	91
20) Methylene Chloride	4.710	84	13940	4.976	ug/l #	83
39) Methylcyclohexane	9.185	83	6004	1.284	ug/l #	59
52) Toluene	10.240	92	1238115	186.645	ug/l	95
67) Ethyl Benzene	11.593	91	200251	15.178	ug/l	98
68) m/p-Xylenes	11.697	106	233856	46.399	ug/l	92
69) o-Xylene	12.026	106	60284	12.319	ug/l	92
73) Isopropylbenzene	12.331	105	15205	1.248	ug/l	99
78) n-propylbenzene	12.672	91	20977	1.434	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	64429	6.312	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	168551	16.815	ug/l	97
85) sec-Butylbenzene	13.251	105	27951	2.131	ug/l #	74
86) p-Isopropyltoluene	13.367	119	15920	1.470	ug/l	99
89) n-Butylbenzene	13.696	91	33410	3.263	ug/l #	67
95) Naphthalene	15.233	128	53319	8.656	ug/l #	77

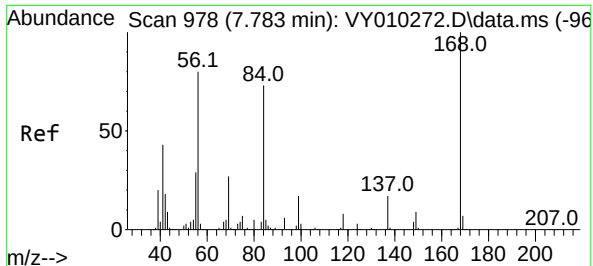
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090822\
Data File : VY010387.D
Acq On : 08 Sep 2022 11:54
Operator : KP/MD
Sample : N4505-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
31181

Quant Time: Sep 08 16:23:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 16:41:46 2022
Response via : Initial Calibration

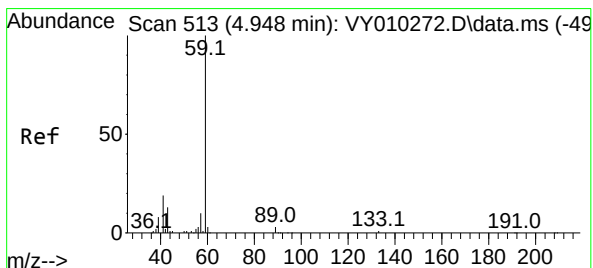
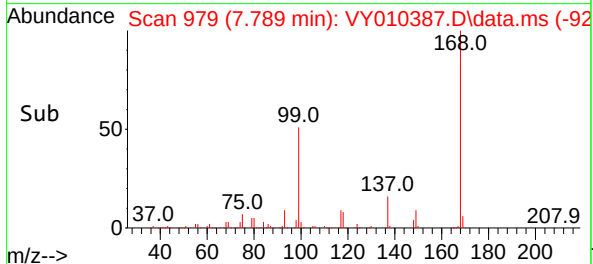
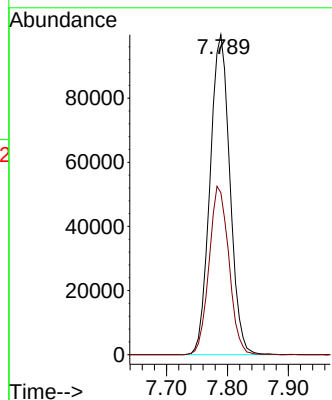
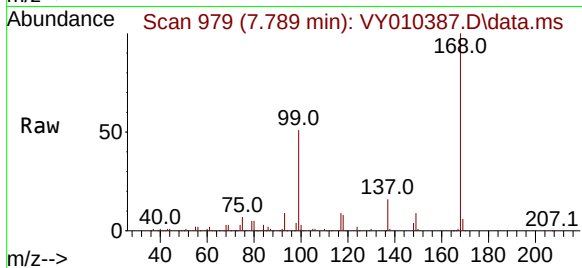




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

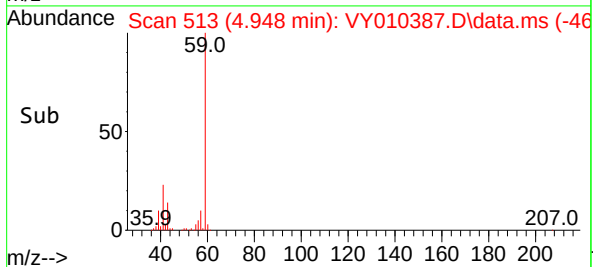
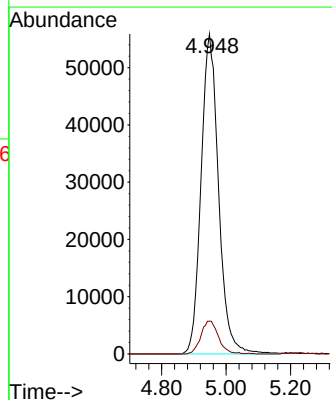
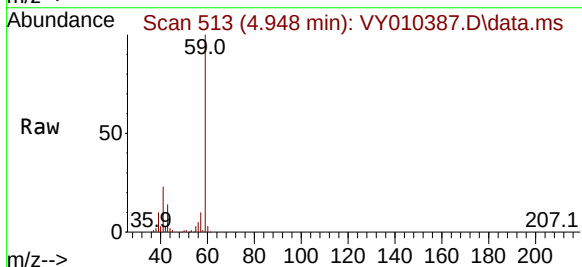
Instrument :
MSVOA_Y
ClientSampleId :
31181

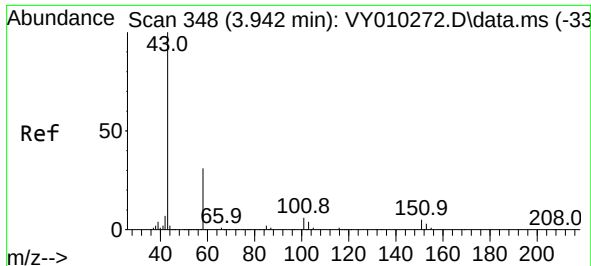
Tgt Ion:168 Resp: 226474
Ion Ratio Lower Upper
168 100
99 50.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 757.440 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 59 Resp: 210432
Ion Ratio Lower Upper
59 100
57 10.4 6.4 9.6#

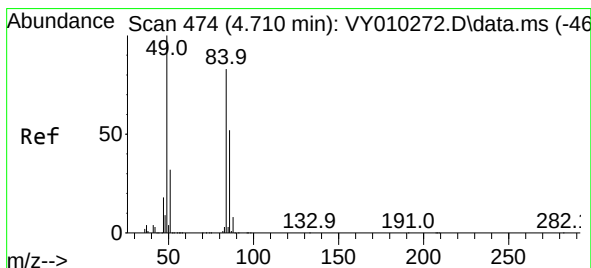
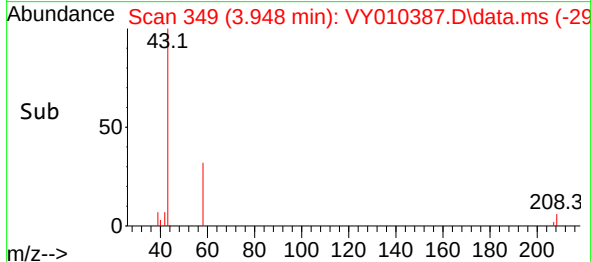
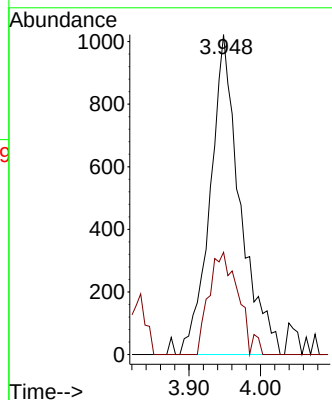
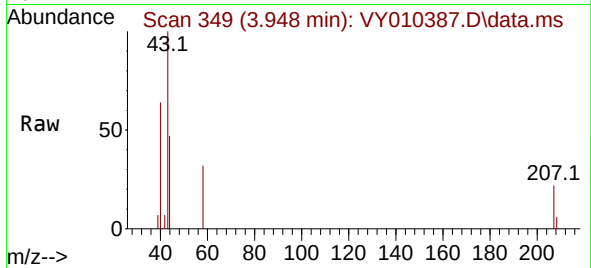




#16
Acetone
Concen: 5.119 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

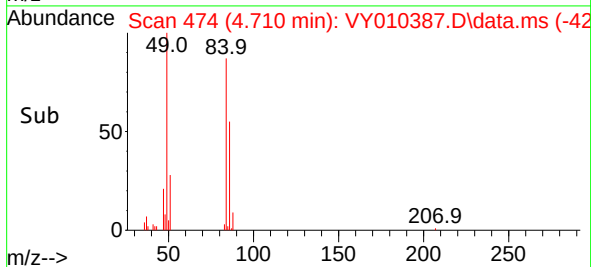
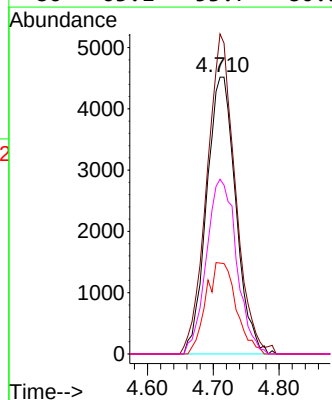
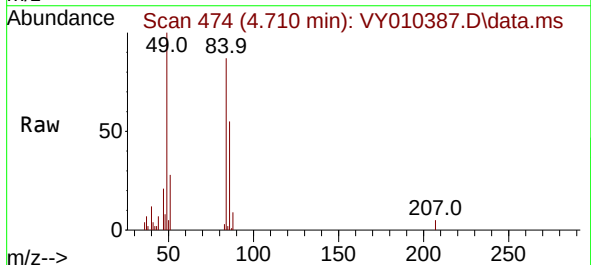
Instrument :
MSVOA_Y
ClientSampleId :
31181

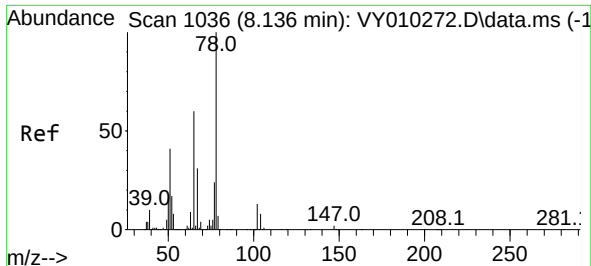
Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
58 32.0 22.0 33.0



#20
Methylene Chloride
Concen: 4.976 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 84 Resp: 13940
Ion Ratio Lower Upper
84 100
49 115.6 114.4 171.6
51 32.8 35.3 52.9#
86 63.1 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 49.966 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY010387.D

Acq: 08 Sep 2022 11:54

Instrument :

MSVOA_Y

ClientSampleId :

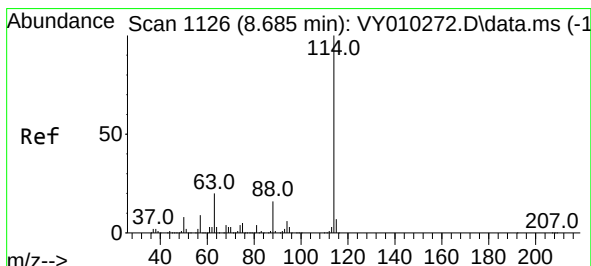
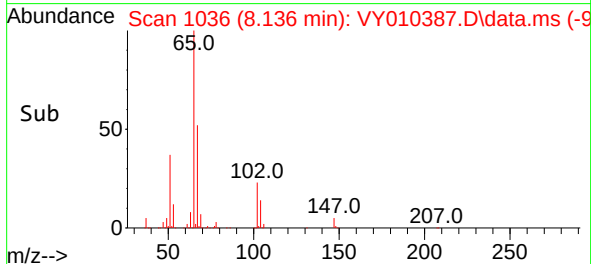
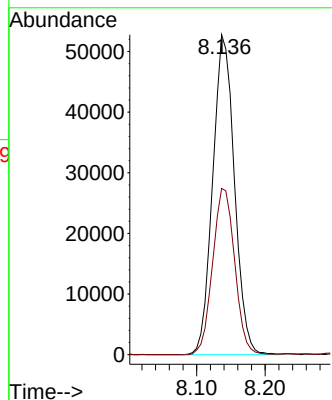
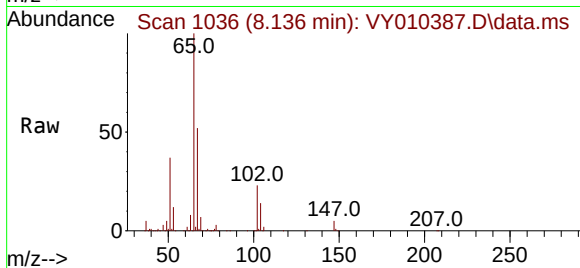
31181

Tgt Ion: 65 Resp: 116032

Ion Ratio Lower Upper

65 100

67 52.8 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: VY010387.D

Acq: 08 Sep 2022 11:54

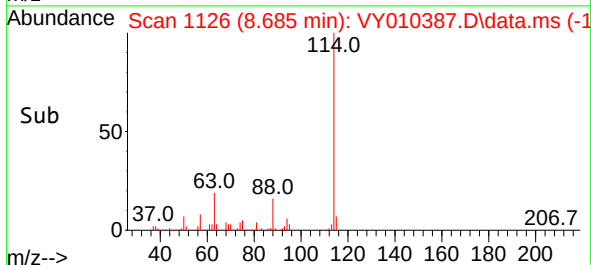
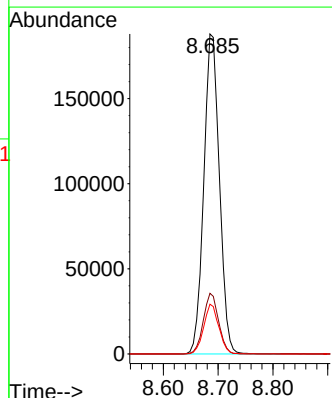
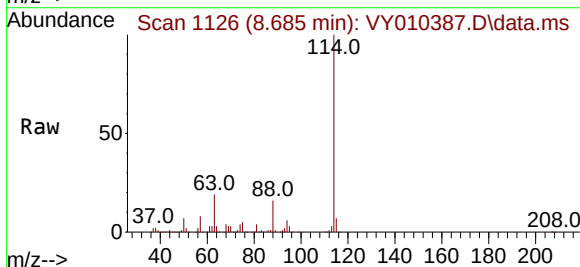
Tgt Ion: 114 Resp: 370701

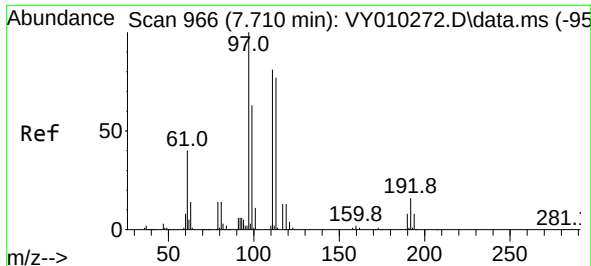
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8

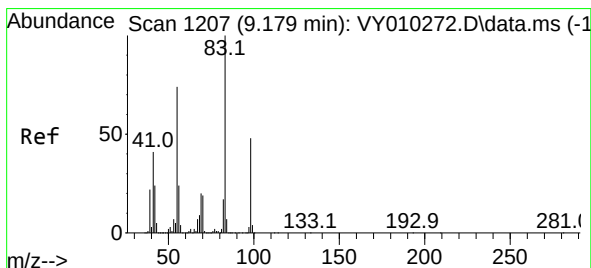
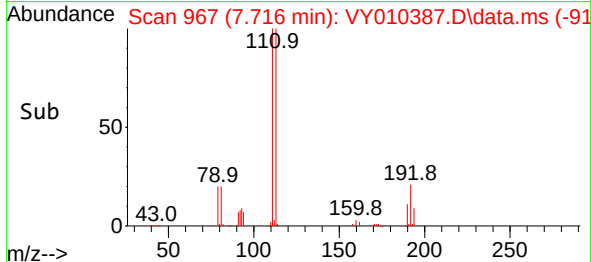
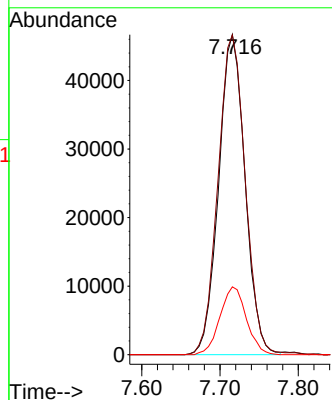
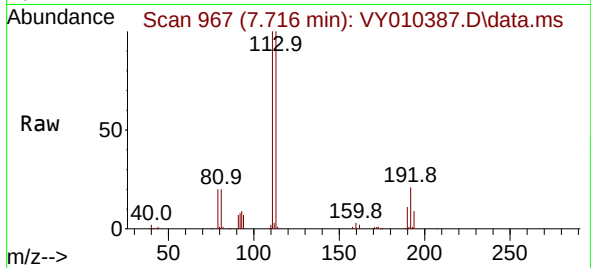




#35
Dibromofluoromethane
Concen: 44.222 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

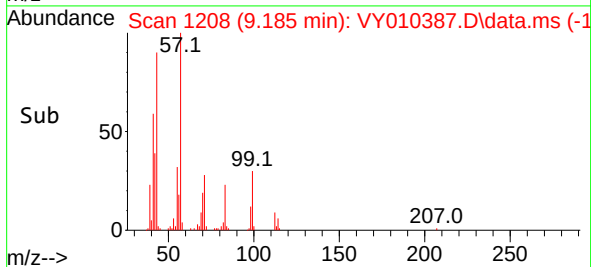
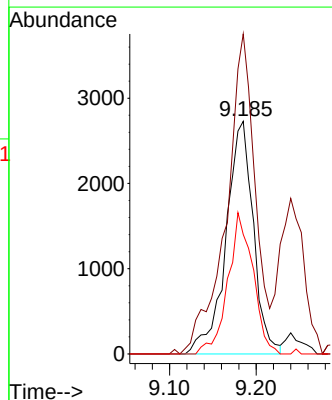
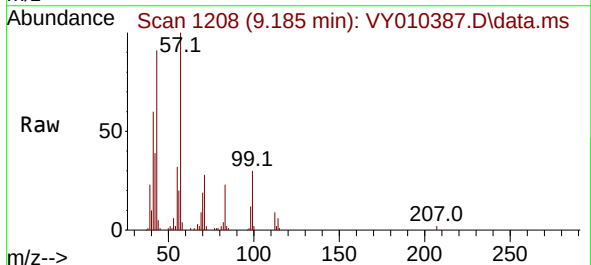
Instrument :
MSVOA_Y
ClientSampleId :
31181

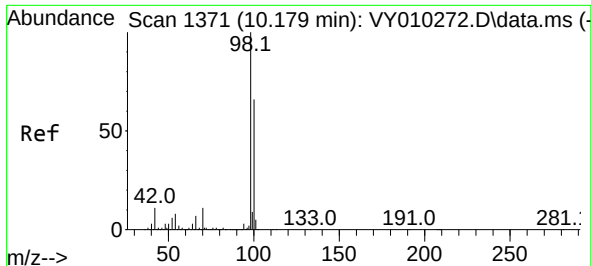
Tgt Ion:113 Resp: 109132
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 21.2 17.6 26.4



#39
Methylcyclohexane
Concen: 1.284 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 83 Resp: 6004
Ion Ratio Lower Upper
83 100
55 137.5 66.5 99.7#
98 51.4 37.9 56.9

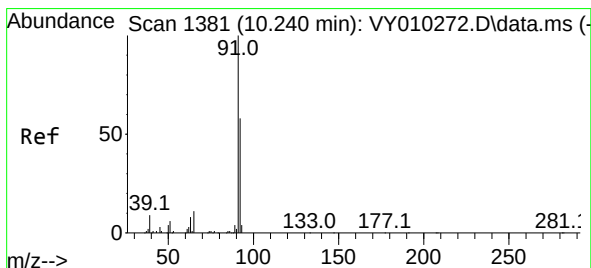
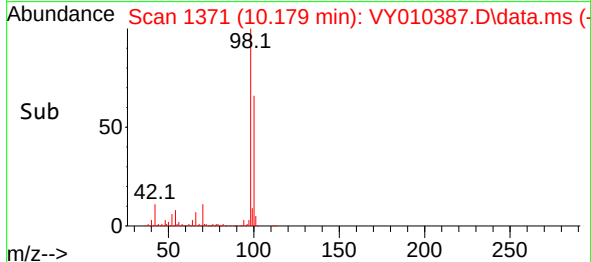
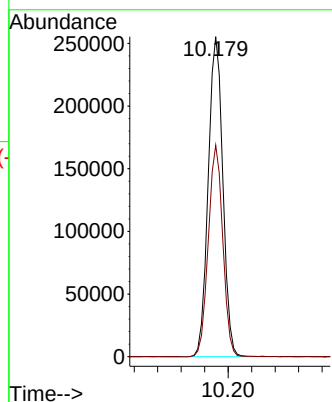
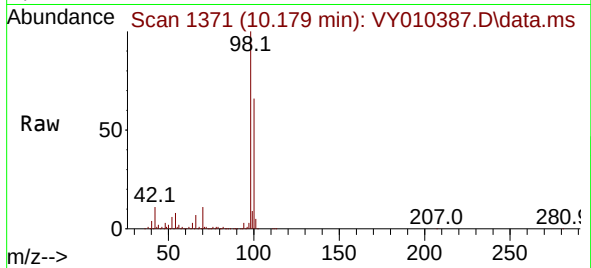




#50
Toluene-d8
Concen: 53.294 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

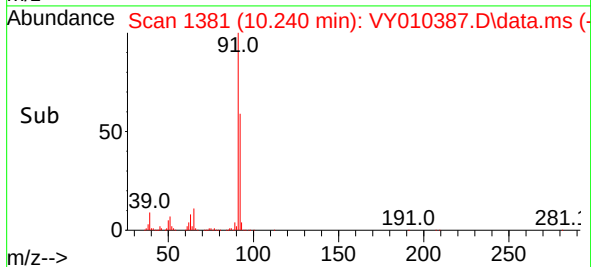
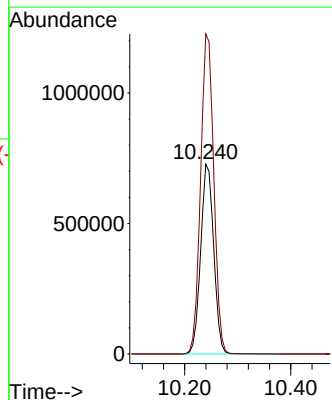
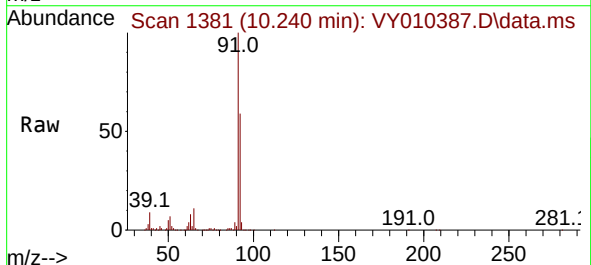
Instrument :
MSVOA_Y
ClientSampleId :
31181

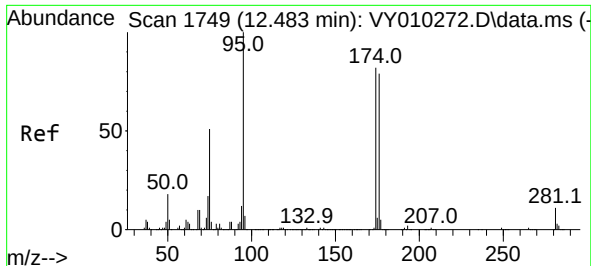
Tgt Ion: 98 Resp: 440334
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#52
Toluene
Concen: 186.645 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 92 Resp: 1238115
Ion Ratio Lower Upper
92 100
91 170.7 142.6 213.8

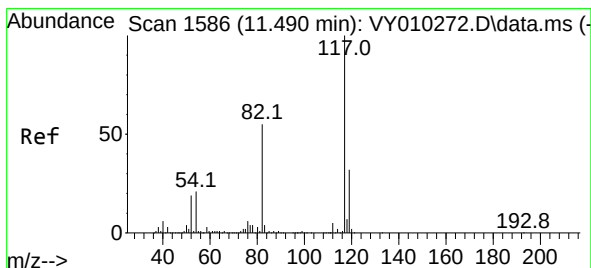
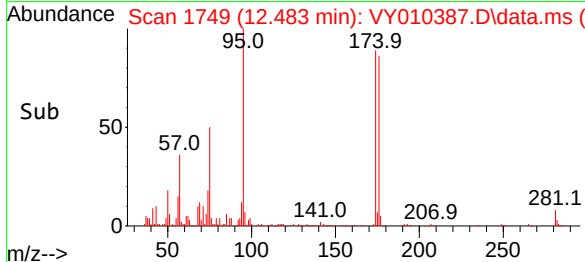
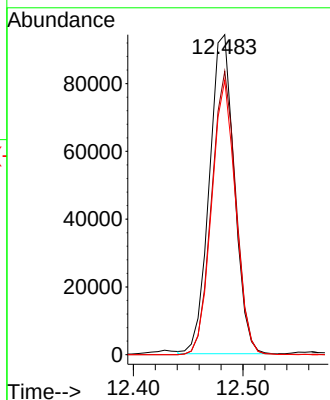
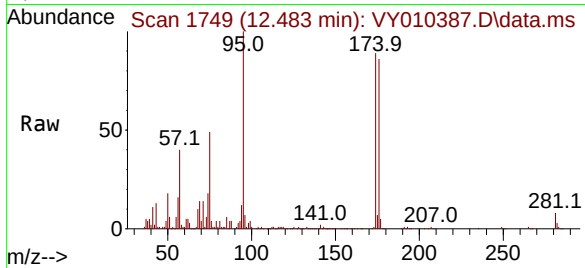




#62
4-Bromofluorobenzene
Concen: 44.285 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

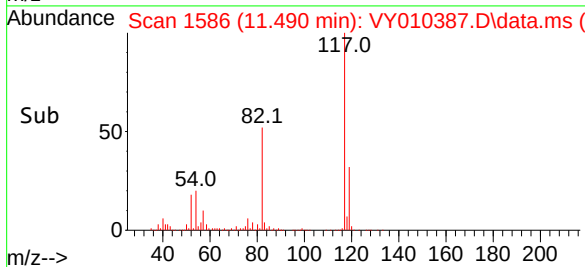
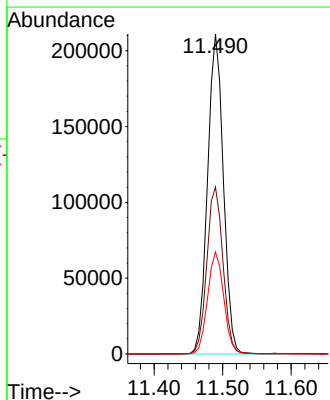
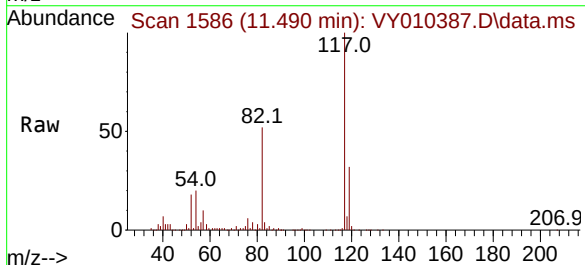
Instrument :
MSVOA_Y
ClientSampleId :
31181

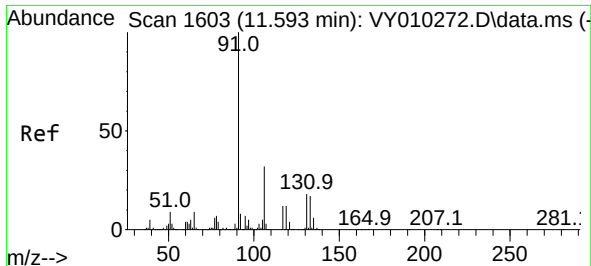
Tgt Ion: 95 Resp: 148923
Ion Ratio Lower Upper
95 100
174 86.5 0.0 177.0
176 82.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 117 Resp: 338117
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 15.178 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010387.D

Acq: 08 Sep 2022 11:54

Instrument :

MSVOA_Y

ClientSampleId :

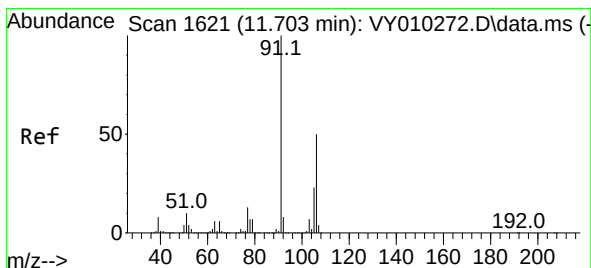
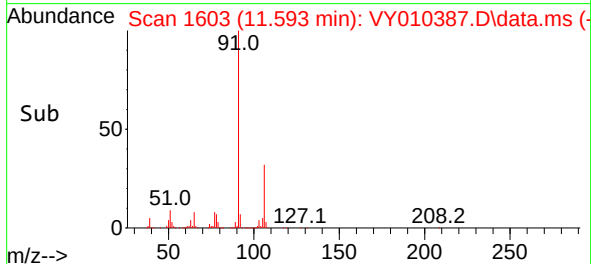
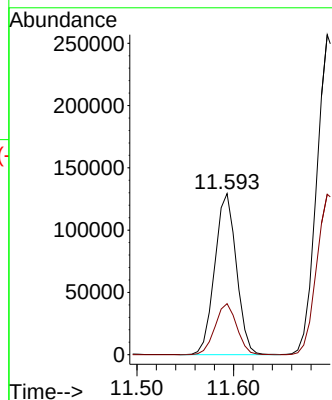
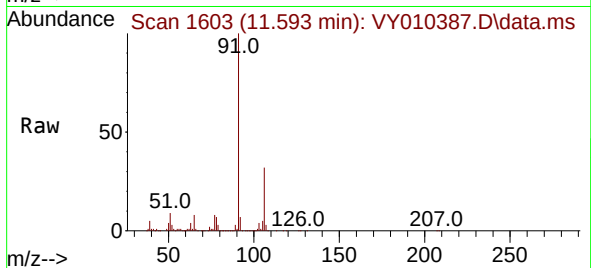
31181

Tgt Ion: 91 Resp: 200251

Ion Ratio Lower Upper

91 100

106 31.7 24.5 36.7



#68

m/p-Xylenes

Concen: 46.399 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY010387.D

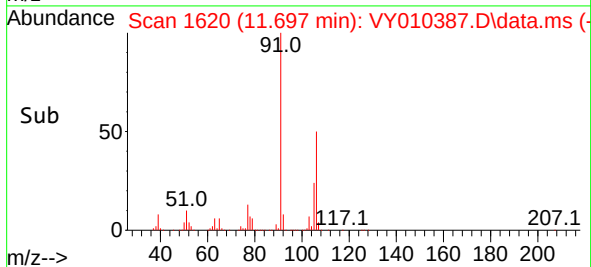
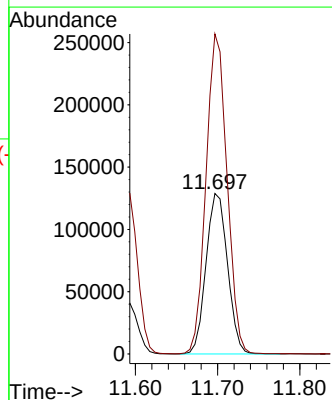
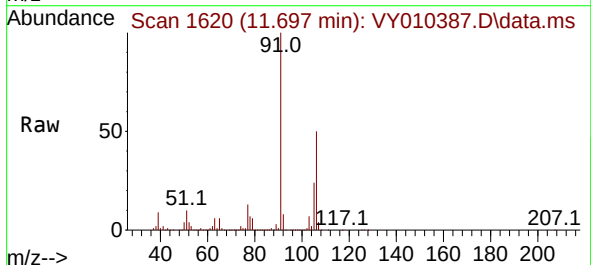
Acq: 08 Sep 2022 11:54

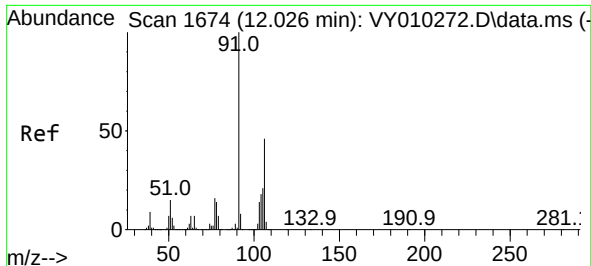
Tgt Ion:106 Resp: 233856

Ion Ratio Lower Upper

106 100

91 195.0 166.6 249.8

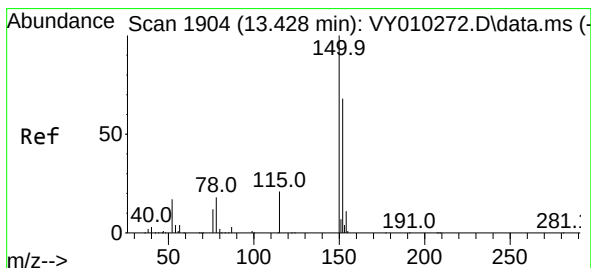
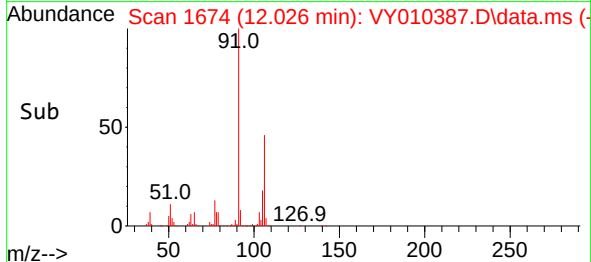
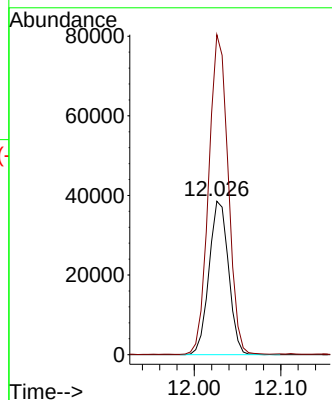
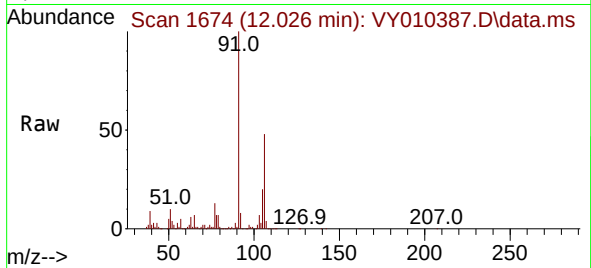




#69
o-Xylene
Concen: 12.319 ug/l
RT: 12.026 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

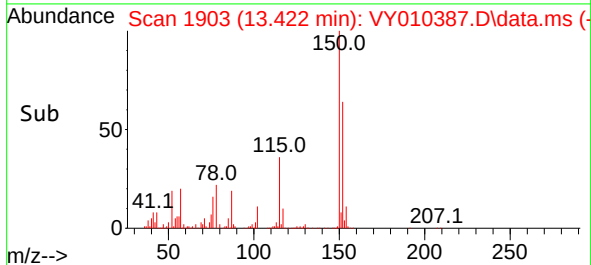
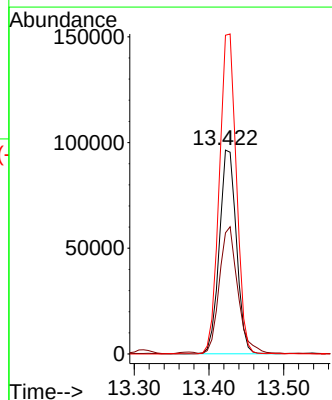
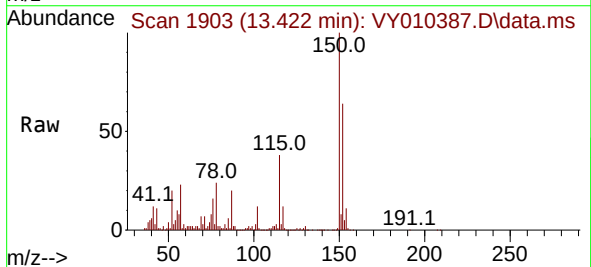
Instrument :
MSVOA_Y
ClientSampleId :
31181

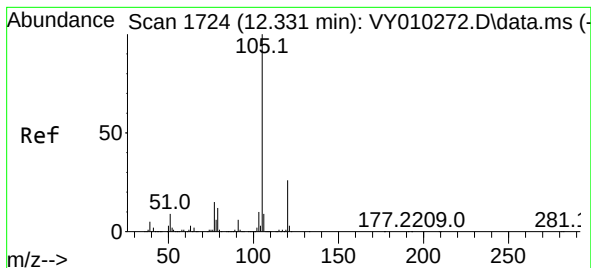
Tgt Ion:106 Resp: 60284
Ion Ratio Lower Upper
106 100
91 207.8 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion:152 Resp: 152701
Ion Ratio Lower Upper
152 100
115 67.2 28.2 84.7
150 157.2 0.0 347.6





#73

Isopropylbenzene

Concen: 1.248 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010387.D

Acq: 08 Sep 2022 11:54

Instrument :

MSVOA_Y

ClientSampleId :

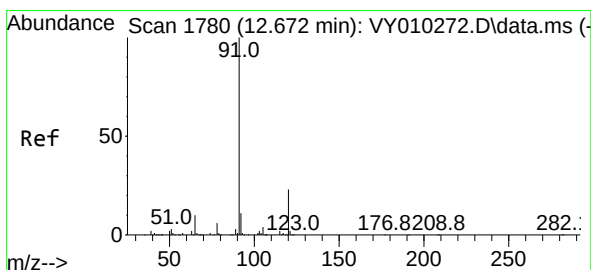
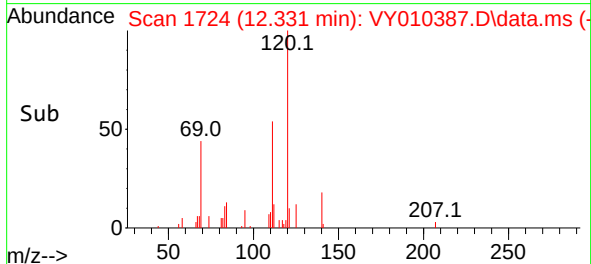
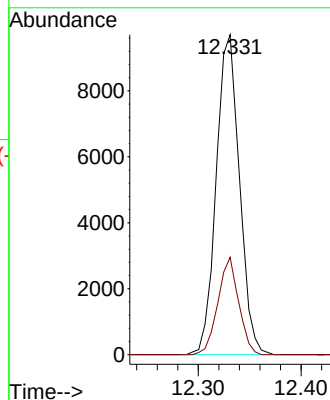
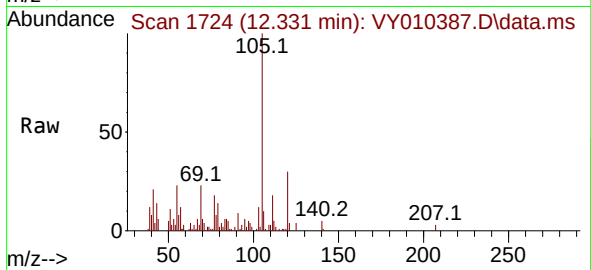
31181

Tgt Ion:105 Resp: 15205

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#78

n-propylbenzene

Concen: 1.434 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY010387.D

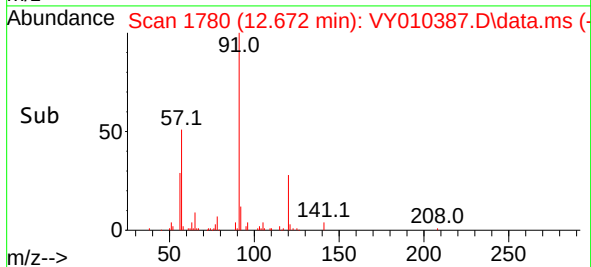
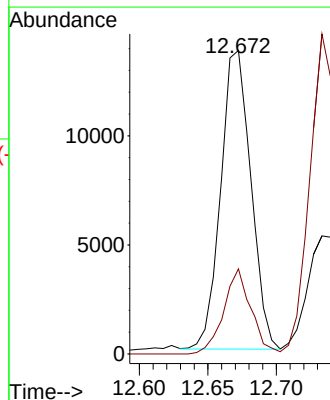
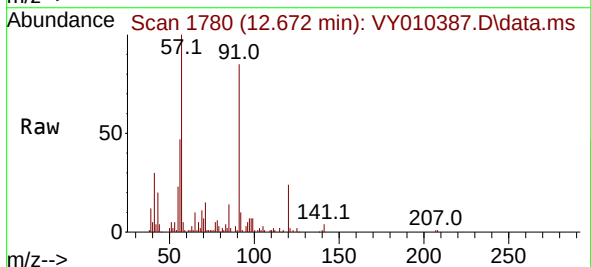
Acq: 08 Sep 2022 11:54

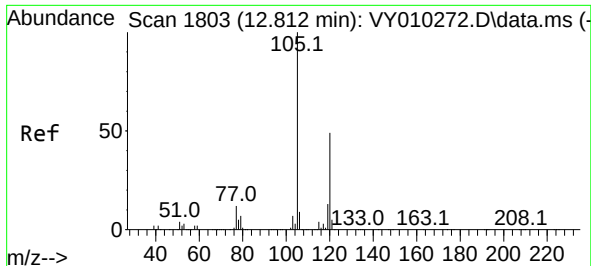
Tgt Ion: 91 Resp: 20977

Ion Ratio Lower Upper

91 100

120 25.7 11.3 33.9

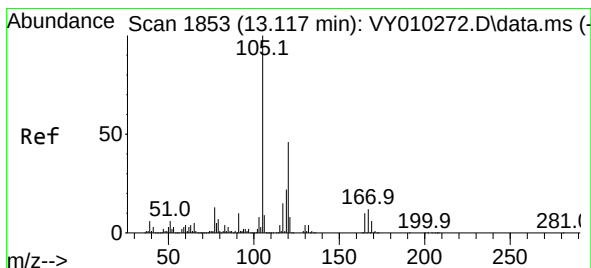
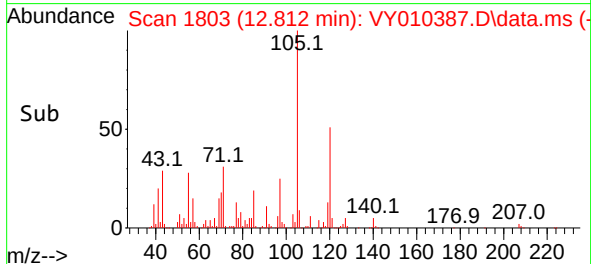
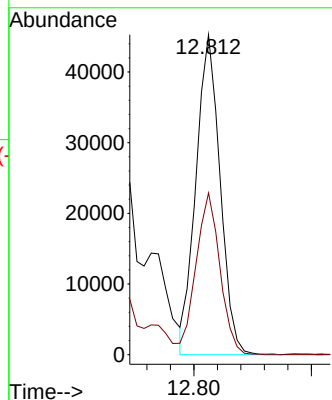
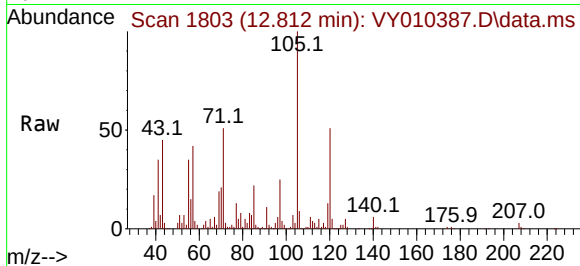




#80
 1,3,5-Trimethylbenzene
 Concen: 6.312 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY010387.D
 Acq: 08 Sep 2022 11:54

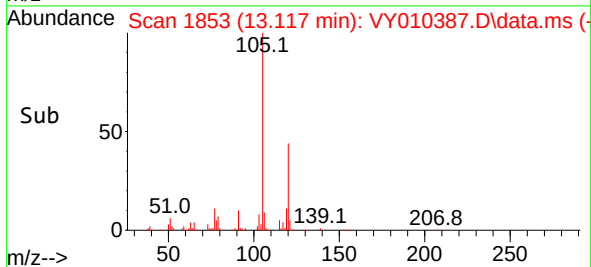
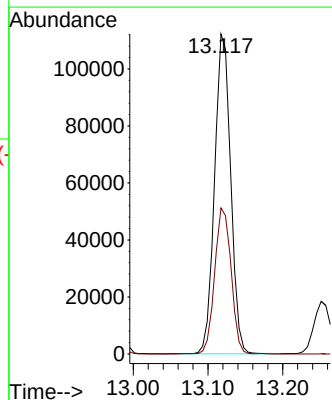
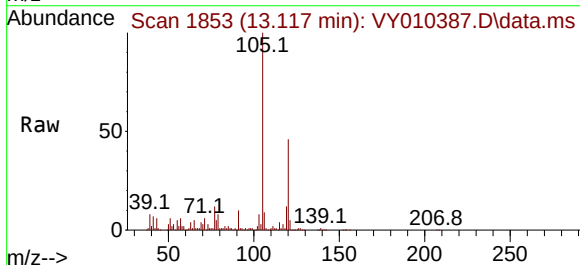
Instrument :
 MSVOA_Y
 ClientSampleId :
 31181

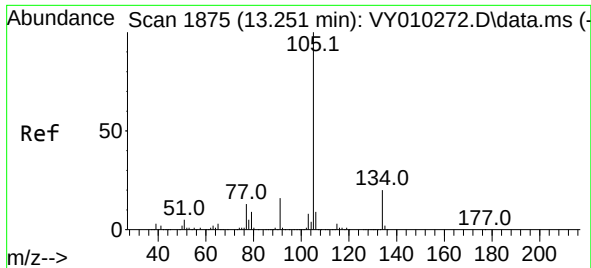
Tgt Ion:105 Resp: 64429
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 16.815 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY010387.D
 Acq: 08 Sep 2022 11:54

Tgt Ion:105 Resp: 168551
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.3 66.9

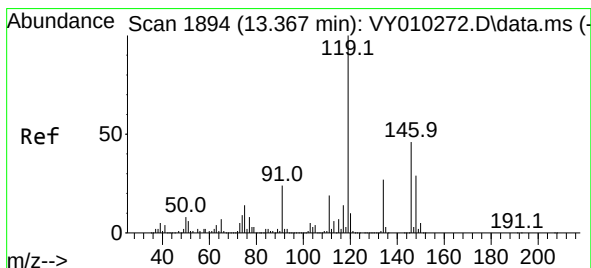
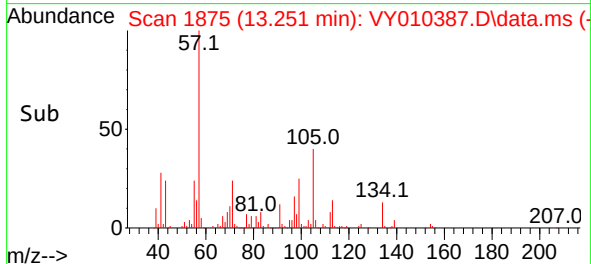
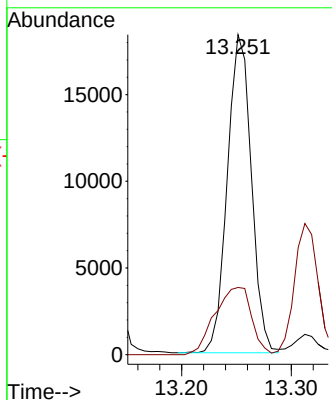
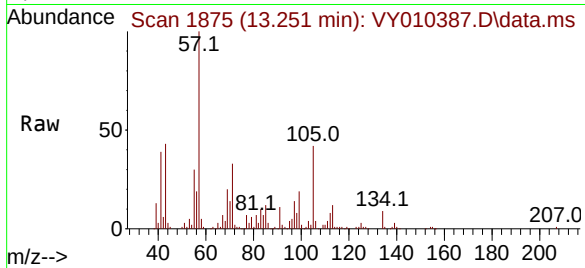




#85
 sec-Butylbenzene
 Concen: 2.131 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY010387.D
 Acq: 08 Sep 2022 11:54

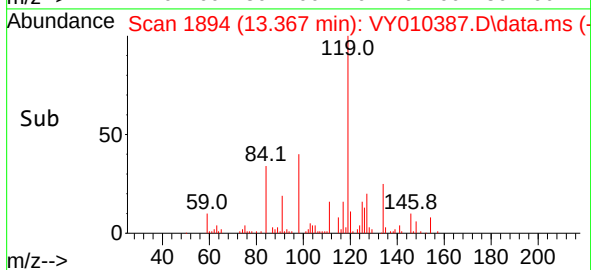
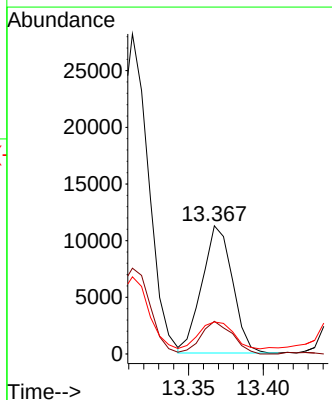
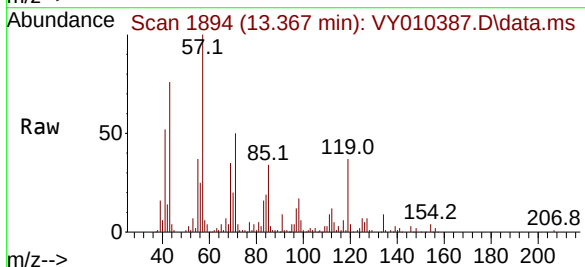
Instrument :
 MSVOA_Y
 ClientSampleId :
 31181

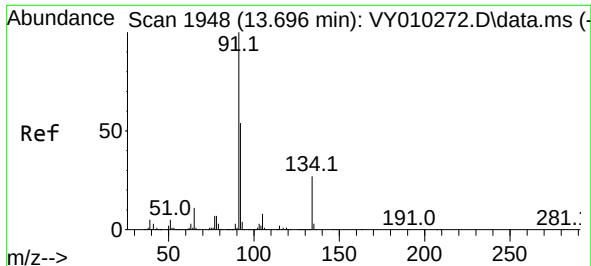
Tgt Ion:105 Resp: 27951
 Ion Ratio Lower Upper
 105 100
 134 32.2 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1.470 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY010387.D
 Acq: 08 Sep 2022 11:54

Tgt Ion:119 Resp: 15920
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.3 12.4 37.2

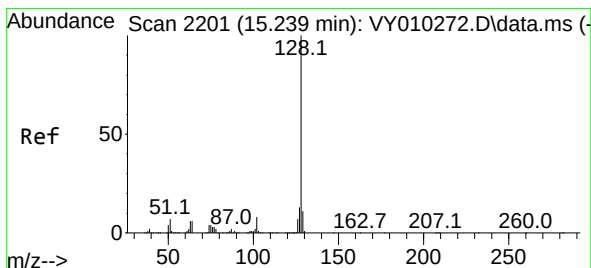
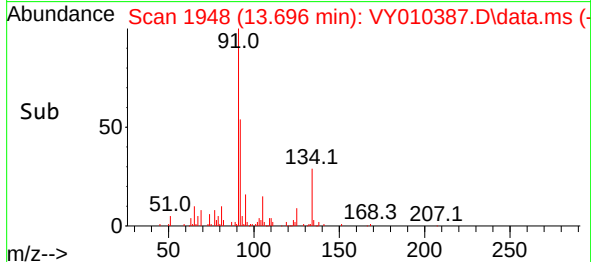
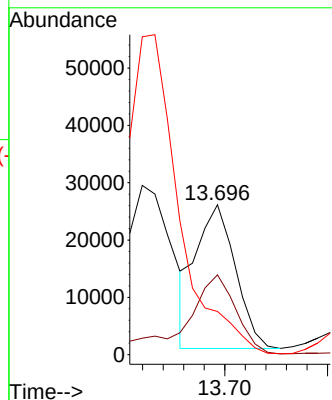
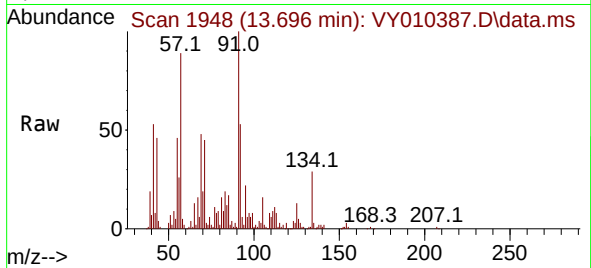




#89
n-Butylbenzene
Concen: 3.263 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Instrument :
MSVOA_Y
ClientSampleId :
31181

Tgt Ion: 91 Resp: 33410
Ion Ratio Lower Upper
91 100
92 69.6 26.3 78.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 8.656 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY010387.D
Acq: 08 Sep 2022 11:54

Tgt Ion: 128 Resp: 53319
Ion Ratio Lower Upper
128 100
127 25.4 11.0 16.4#
129 16.3 8.4 12.6#

