

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015814.D
 Acq On : 03 Oct 2023 18:30
 Operator : SY/MD
 Sample : 04704-02
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-1(10-15)

Quant Time: Oct 04 02:50:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

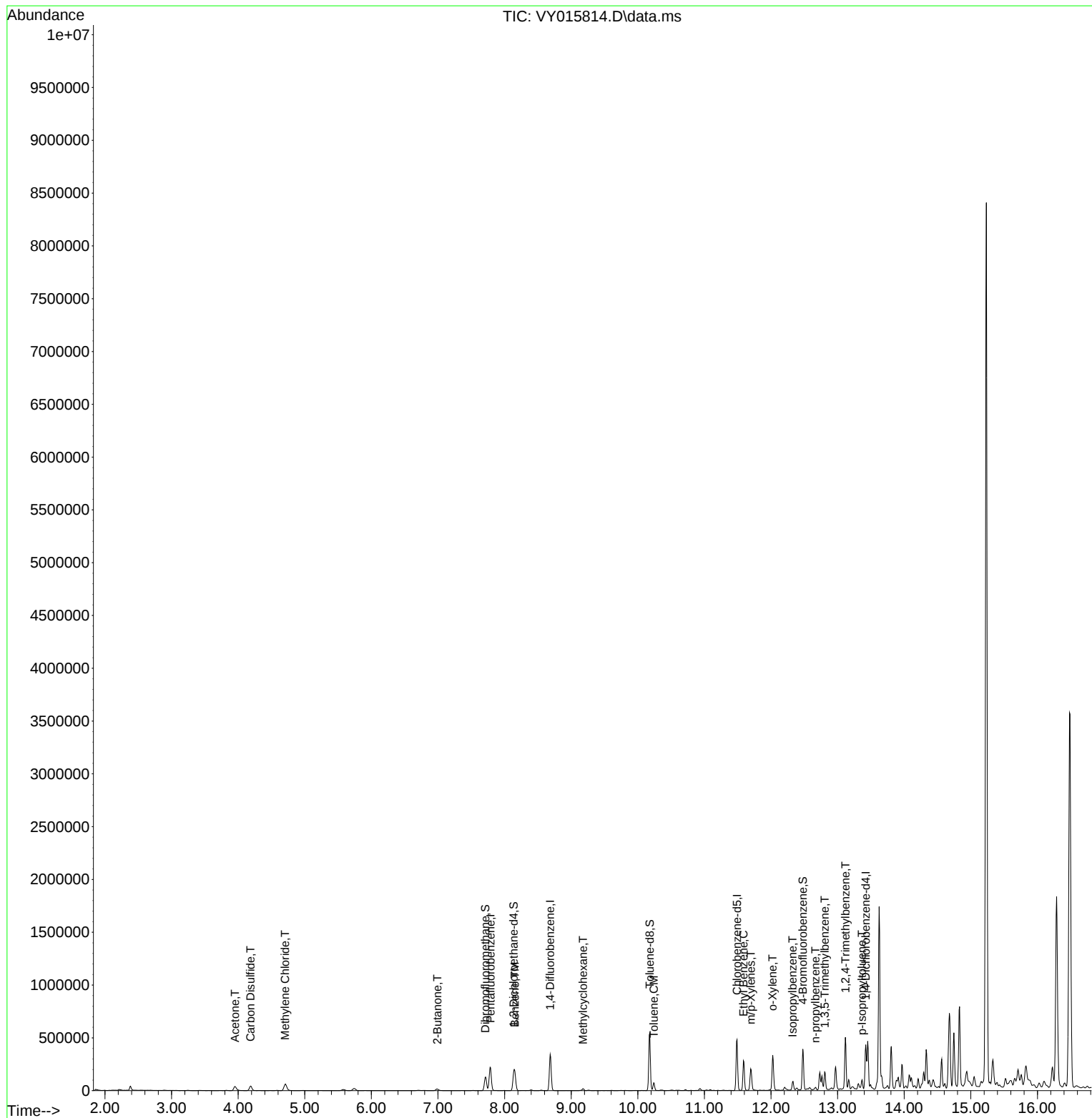
Internal Standards						
1) Pentafluorobenzene	7.789	168	172893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104867	55.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.710	113	92812	52.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.179	98	349804	58.004	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.000%			
62) 4-Bromofluorobenzene	12.477	95	113153	47.811	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.620%			
Target Compounds					Qvalue	
16) Acetone	3.954	43	76587	75.231	ug/l	96
17) Carbon Disulfide	4.186	76	88910	30.089	ug/l	99
20) Methylene Chloride	4.704	84	45720	17.346	ug/l	93
25) 2-Butanone	6.990	43	23218	16.135	ug/l	91
39) Methylcyclohexane	9.179	83	7196	2.474	ug/l	96
40) Benzene	8.155	78	113904	14.203	ug/l	99
52) Toluene	10.240	92	30644	5.927	ug/l	94
67) Ethyl Benzene	11.587	91	193659	19.071	ug/l	98
68) m/p-Xylenes	11.697	106	63193	16.373	ug/l	95
69) o-Xylene	12.026	106	81828	21.621	ug/l	99
73) Isopropylbenzene	12.325	105	44354	5.478	ug/l	100
78) n-propylbenzene	12.666	91	19627	1.995	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	80688	11.905	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	265170	39.101	ug/l	98
86) p-Isopropyltoluene	13.367	119	40361	5.439	ug/l	98

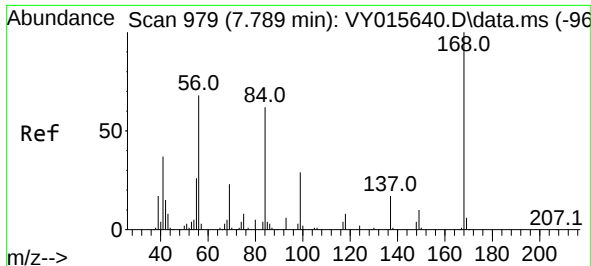
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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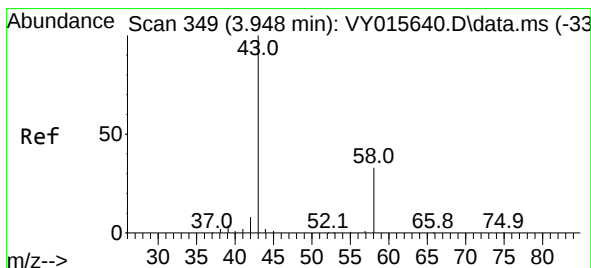
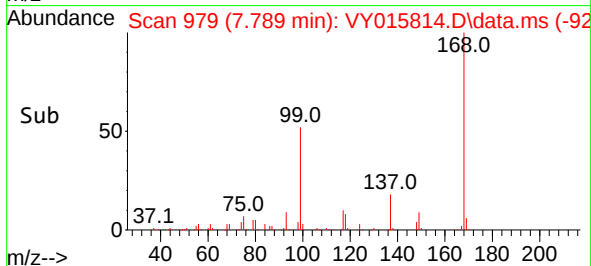
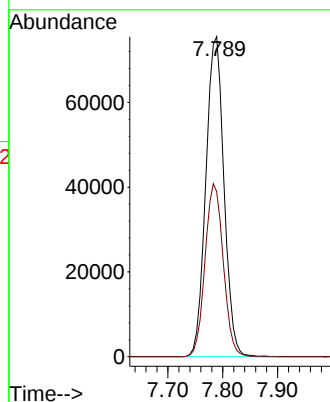
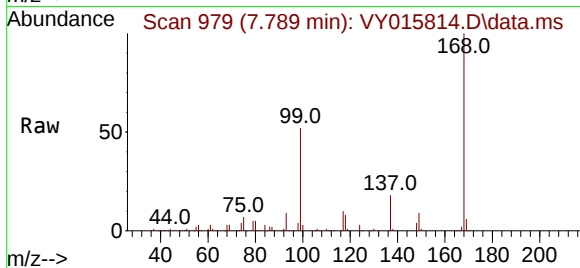




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

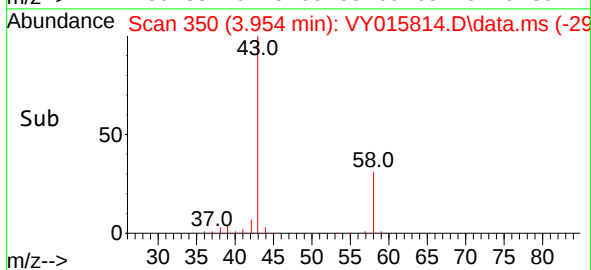
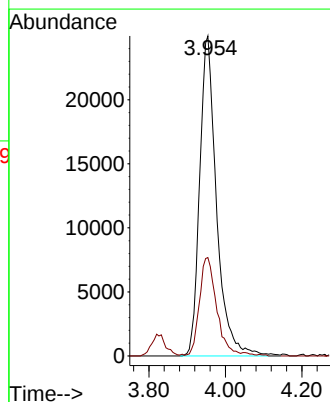
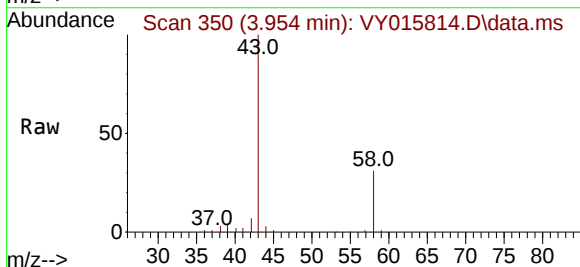
Instrument :
MSVOA_Y
ClientSampleId :
R-1(10-15)

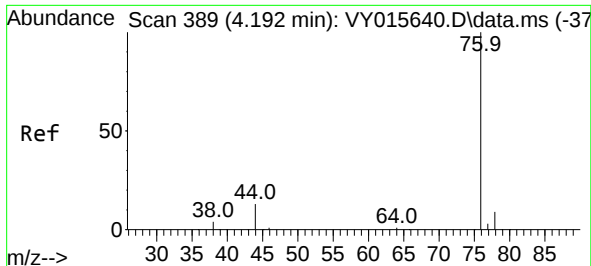
Tgt Ion:168 Resp: 172893
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#16
Acetone
Concen: 75.231 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 43 Resp: 76587
Ion Ratio Lower Upper
43 100
58 30.8 22.7 34.1

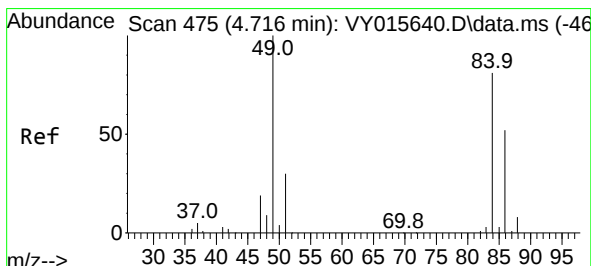
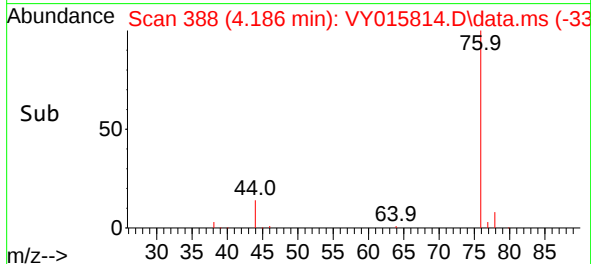
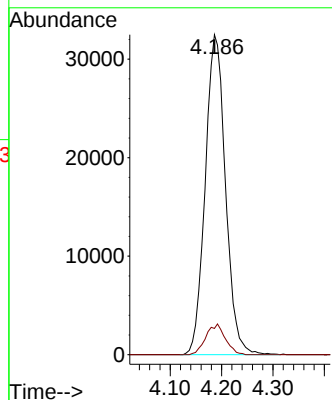
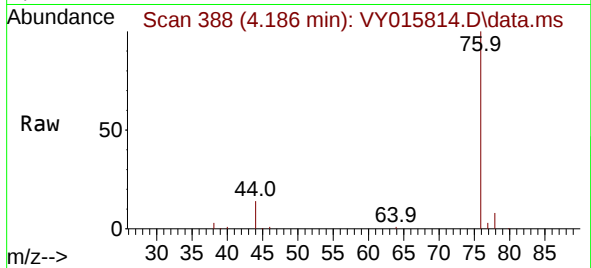




#17
Carbon Disulfide
Concen: 30.089 ug/l
RT: 4.186 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

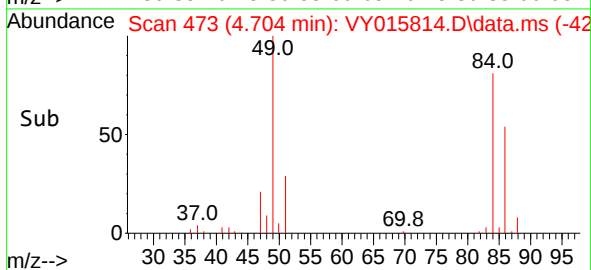
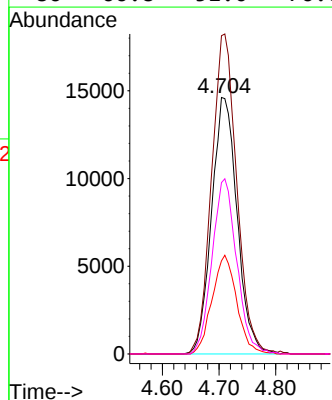
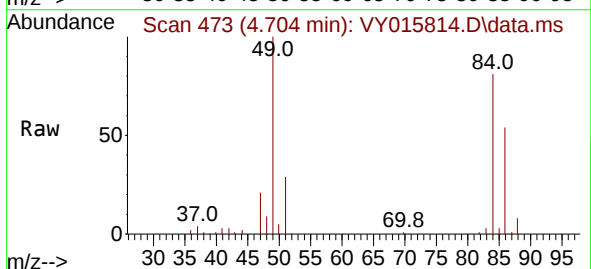
Instrument :
MSVOA_Y
ClientSampleId :
R-1(10-15)

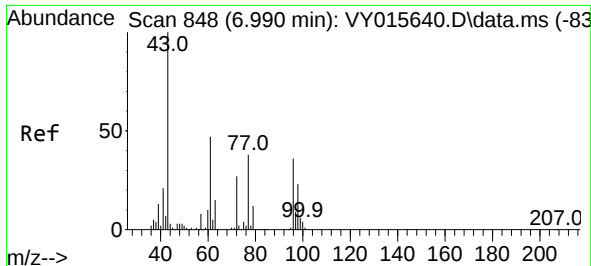
Tgt Ion: 76 Resp: 88910
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#20
Methylene Chloride
Concen: 17.346 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 84 Resp: 45720
Ion Ratio Lower Upper
84 100
49 124.0 106.9 160.3
51 36.3 33.2 49.8
86 66.8 51.0 76.6

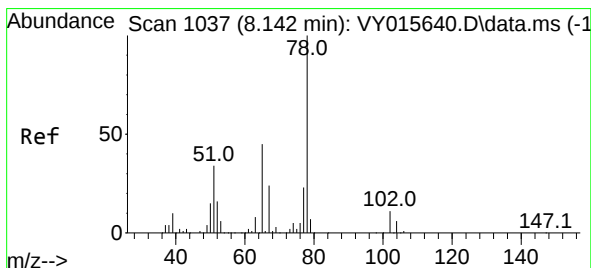
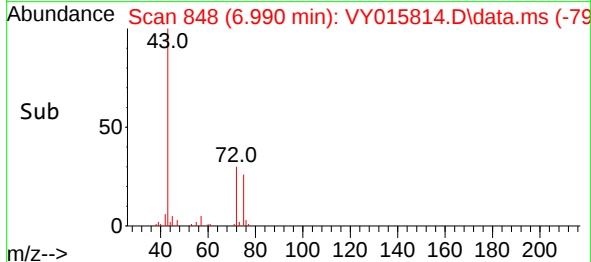
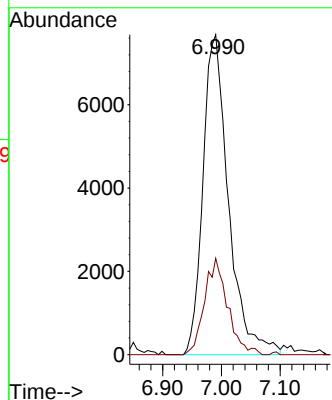
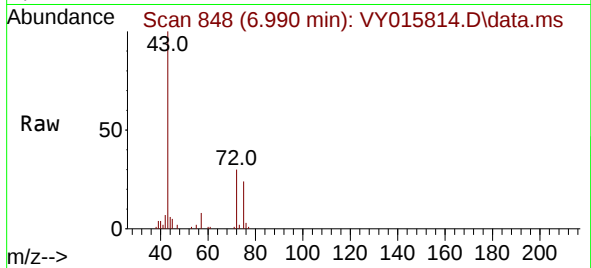




#25
2-Butanone
Concen: 16.135 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

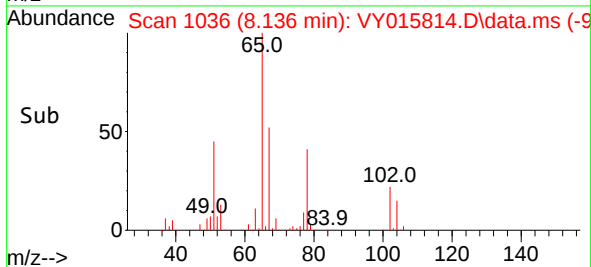
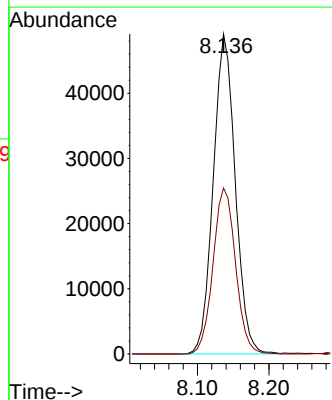
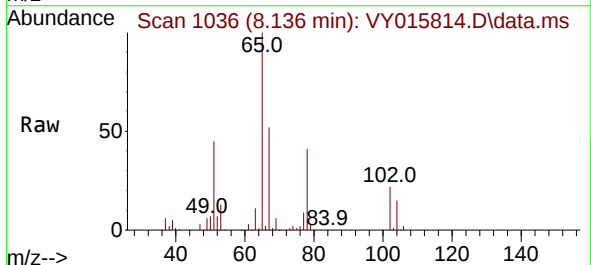
Instrument :
MSVOA_Y
ClientSampleId :
R-1(10-15)

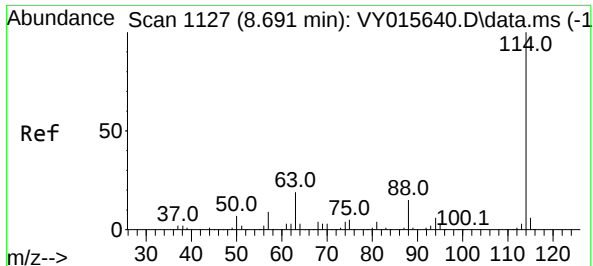
Tgt Ion: 43 Resp: 23218
Ion Ratio Lower Upper
43 100
72 30.1 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 55.126 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 65 Resp: 104867
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

R-1(10-15)

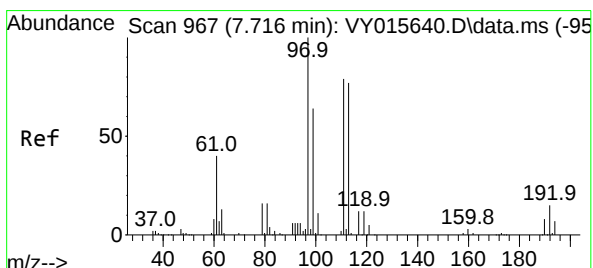
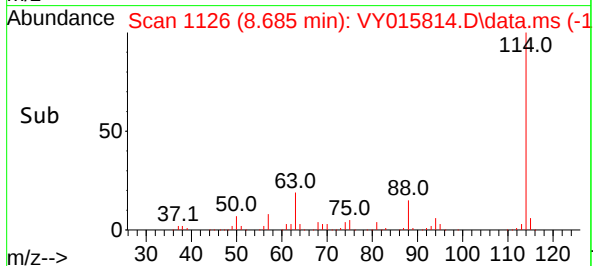
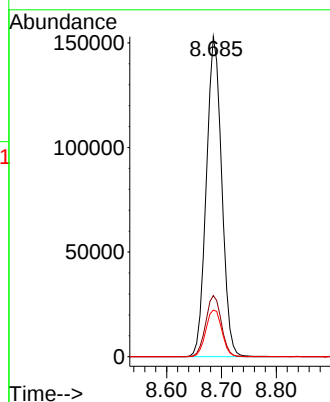
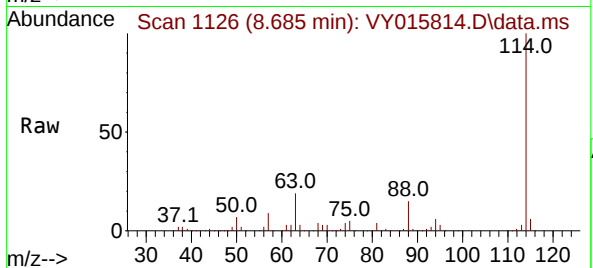
Tgt Ion:114 Resp: 297165

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.182 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

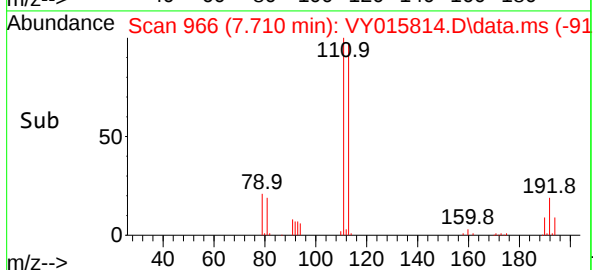
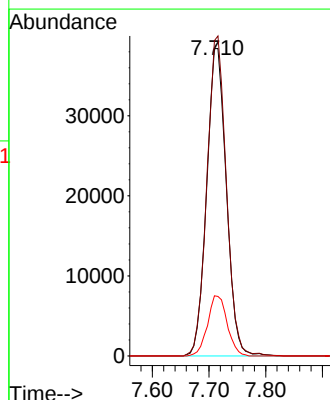
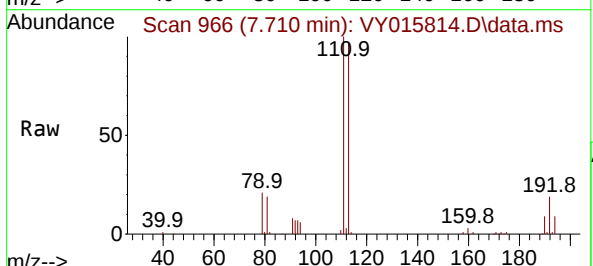
Tgt Ion:113 Resp: 92812

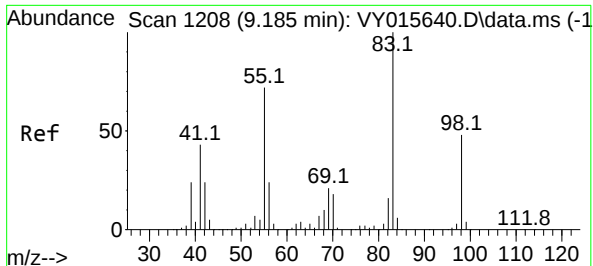
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.5 16.9 25.3





#39

Methylcyclohexane

Concen: 2.474 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

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ClientSampleId :

R-1(10-15)

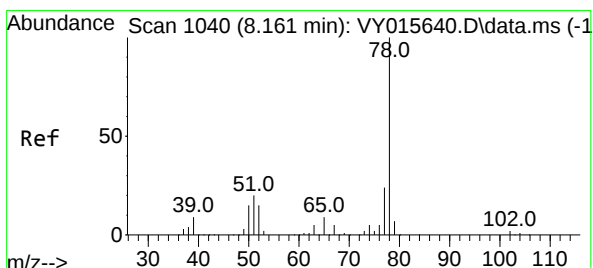
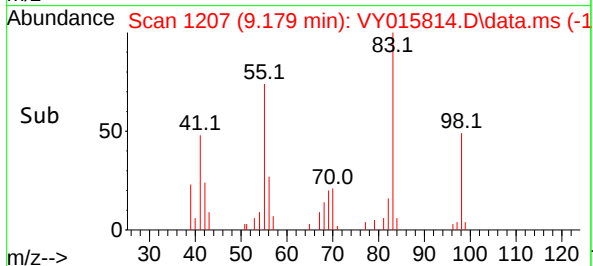
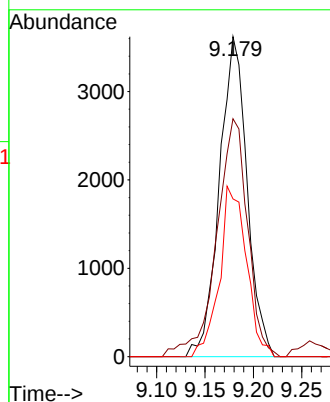
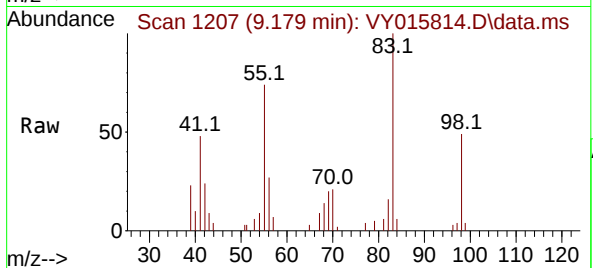
Tgt Ion: 83 Resp: 7196

Ion Ratio Lower Upper

83 100

55 74.4 63.0 94.4

98 49.3 37.4 56.2



#40

Benzene

Concen: 14.203 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY015814.D

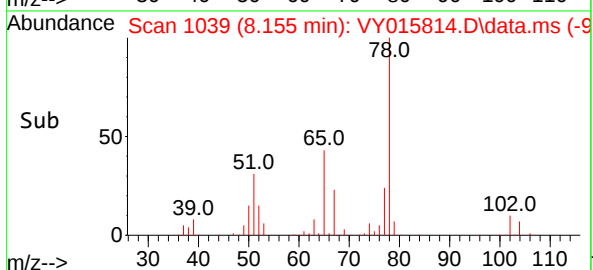
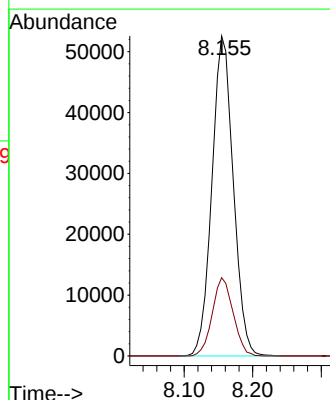
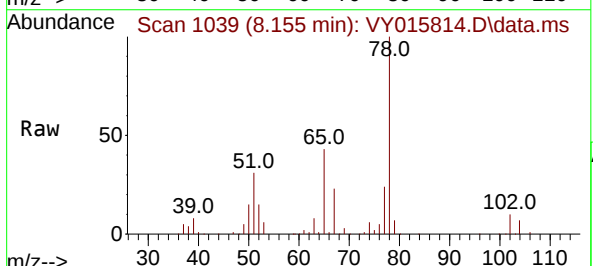
Acq: 03 Oct 2023 18:30

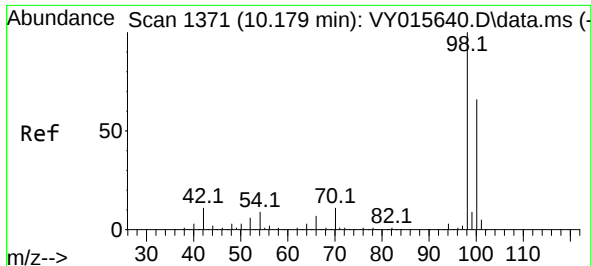
Tgt Ion: 78 Resp: 113904

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.6

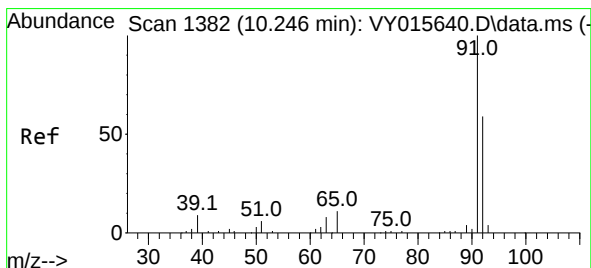
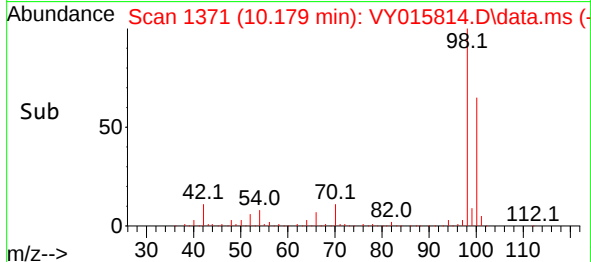
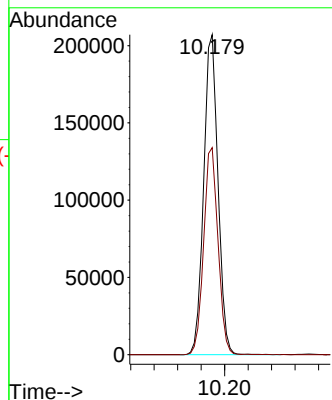
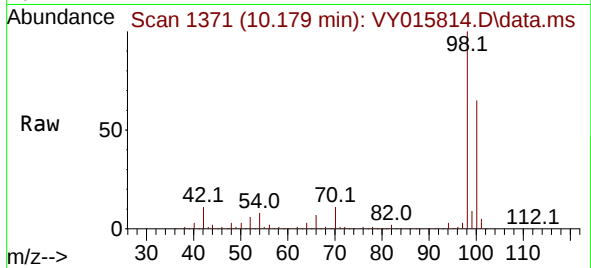




#50
Toluene-d8
Concen: 58.004 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

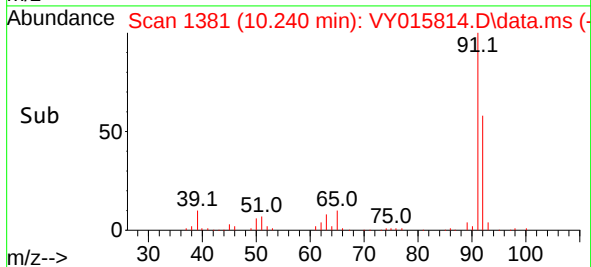
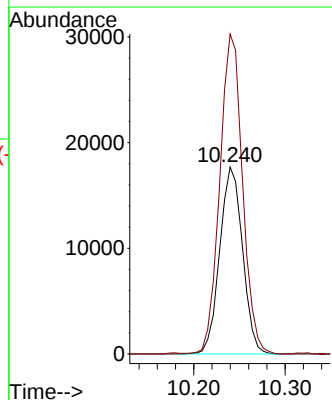
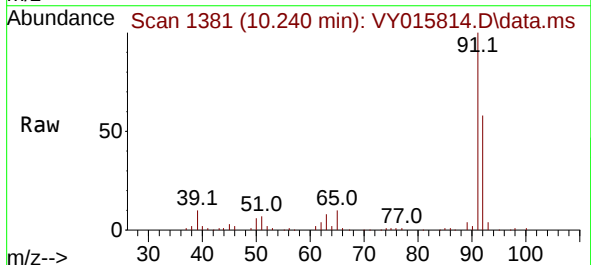
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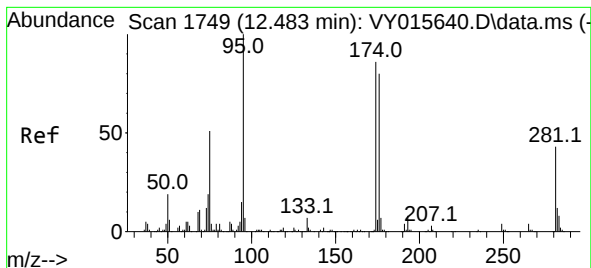
Tgt Ion: 98 Resp: 349804
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#52
Toluene
Concen: 5.927 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 92 Resp: 30644
Ion Ratio Lower Upper
92 100
91 171.1 143.8 215.6

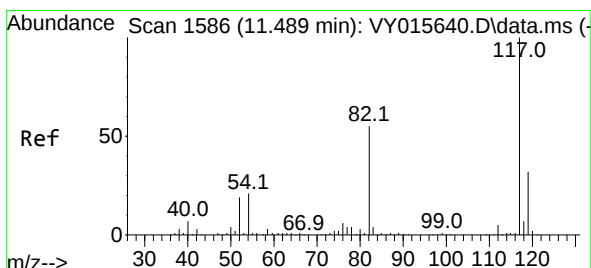
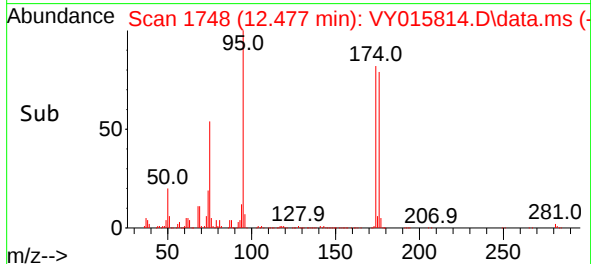
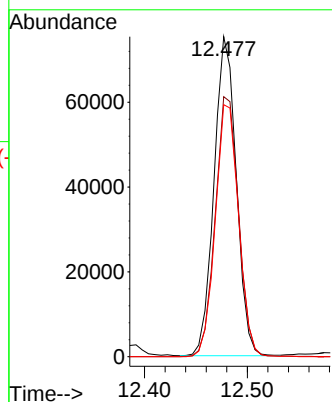
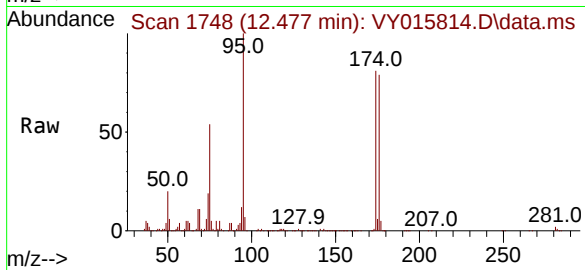




#62
4-Bromofluorobenzene
Concen: 47.811 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

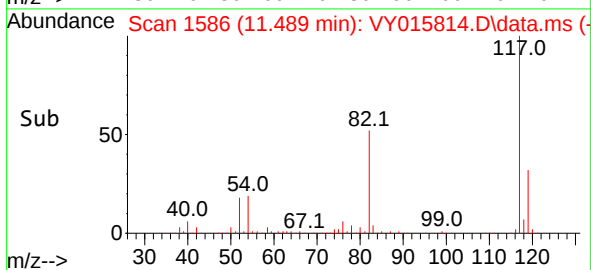
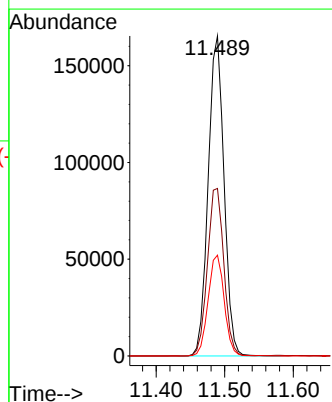
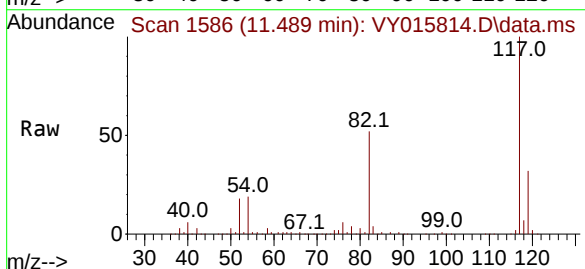
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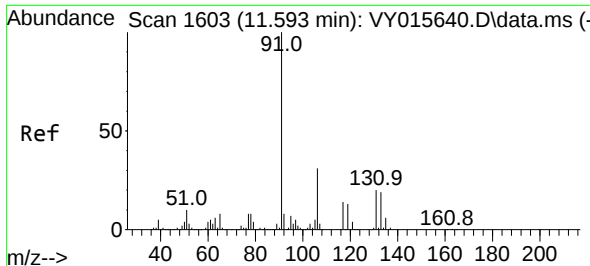
Tgt Ion: 95 Resp: 113153
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015814.D
Acq: 03 Oct 2023 18:30

Tgt Ion: 117 Resp: 266159
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.5 26.3 39.5





#67

Ethyl Benzene

Concen: 19.071 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

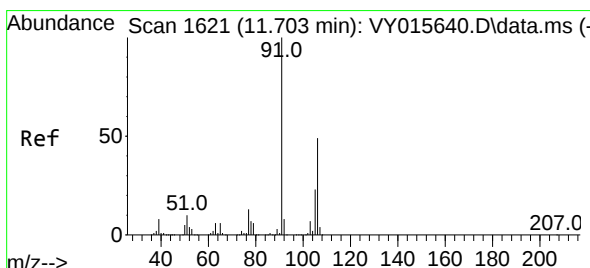
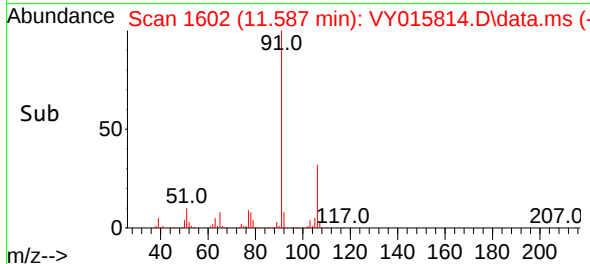
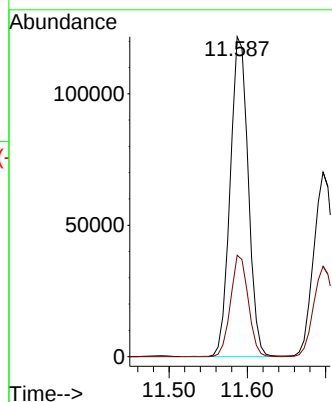
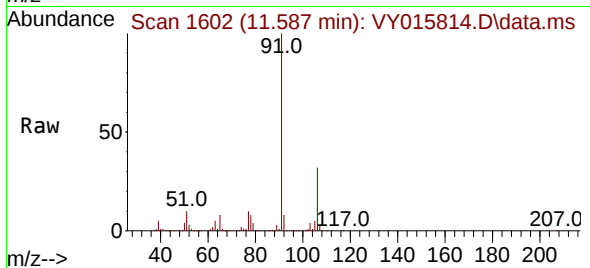
R-1(10-15)

Tgt Ion: 91 Resp: 193659

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 16.373 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY015814.D

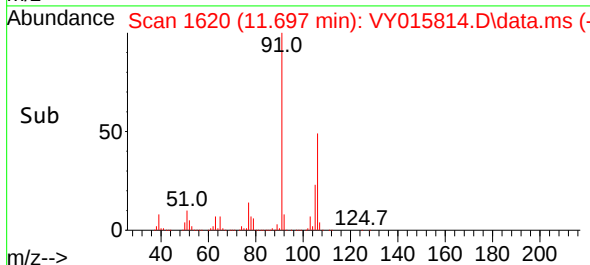
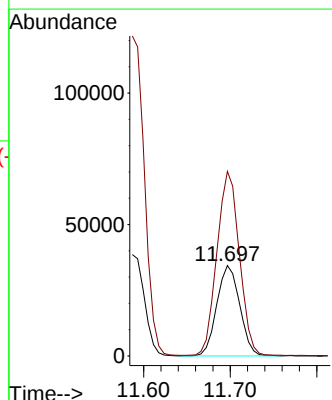
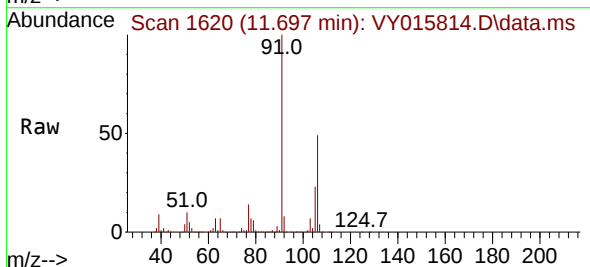
Acq: 03 Oct 2023 18:30

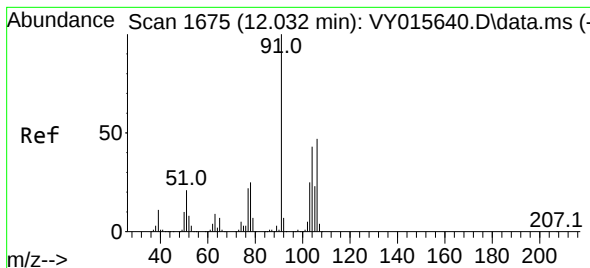
Tgt Ion: 106 Resp: 63193

Ion Ratio Lower Upper

106 100

91 199.7 166.1 249.1





#69

o-Xylene

Concen: 21.621 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

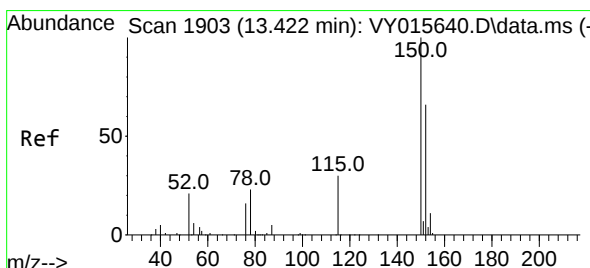
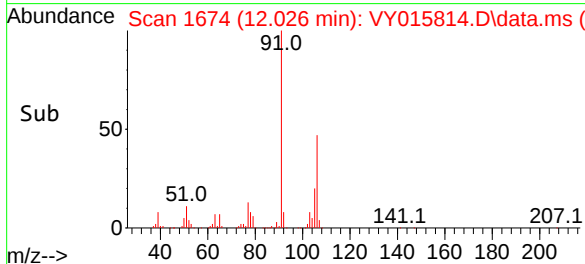
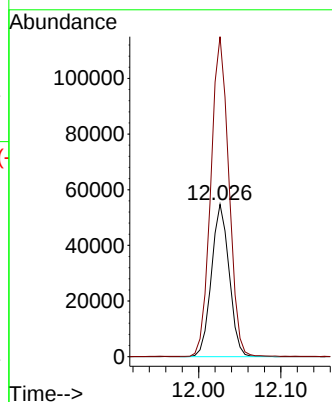
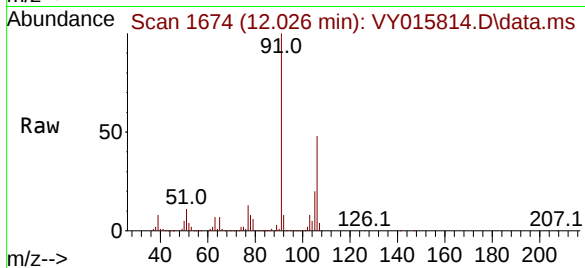
R-1(10-15)

Tgt Ion:106 Resp: 81828

Ion Ratio Lower Upper

106 100

91 214.0 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

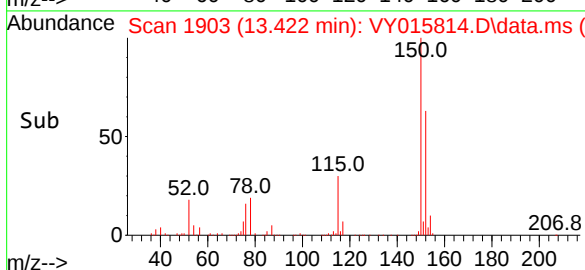
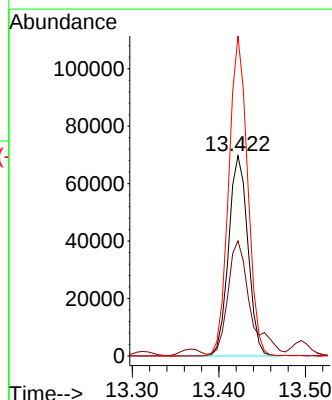
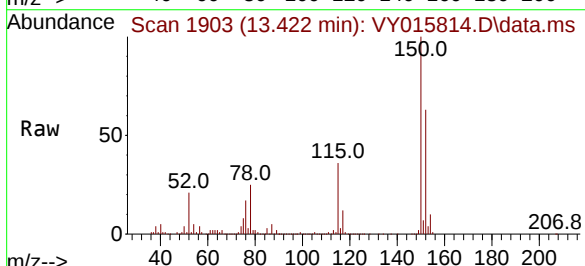
Tgt Ion:152 Resp: 107924

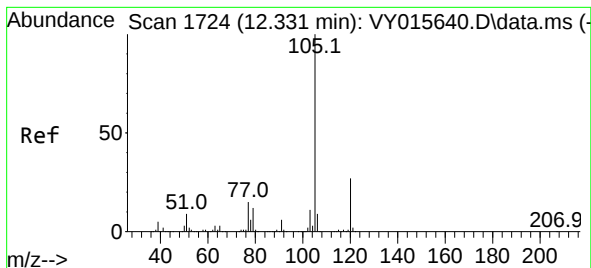
Ion Ratio Lower Upper

152 100

115 64.2 28.8 86.5

150 156.3 0.0 348.8





#73

Isopropylbenzene

Concen: 5.478 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

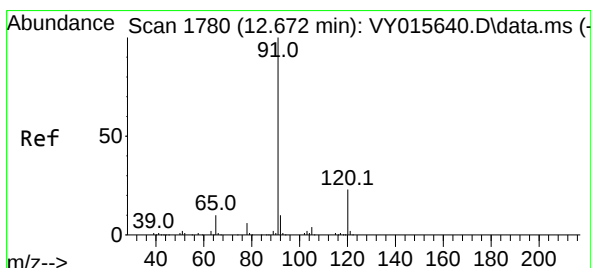
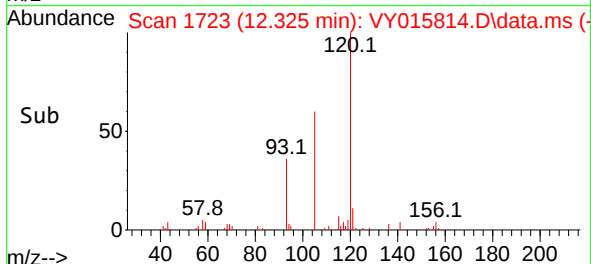
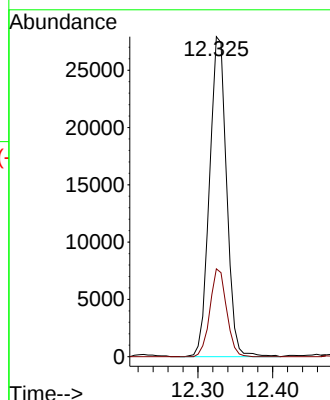
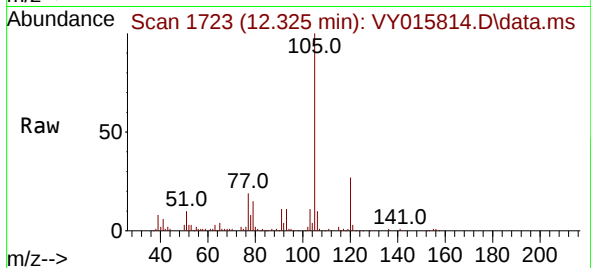
R-1(10-15)

Tgt Ion:105 Resp: 44354

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#78

n-propylbenzene

Concen: 1.995 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY015814.D

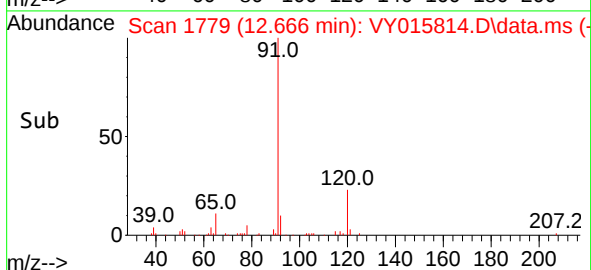
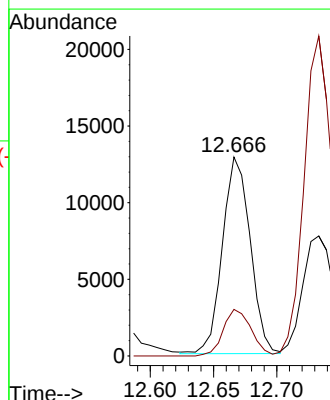
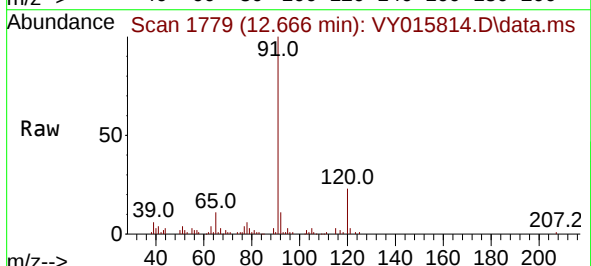
Acq: 03 Oct 2023 18:30

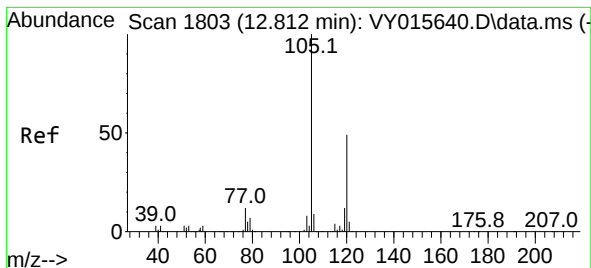
Tgt Ion: 91 Resp: 19627

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 11.905 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015814.D

Acq: 03 Oct 2023 18:30

Instrument :

MSVOA_Y

ClientSampleId :

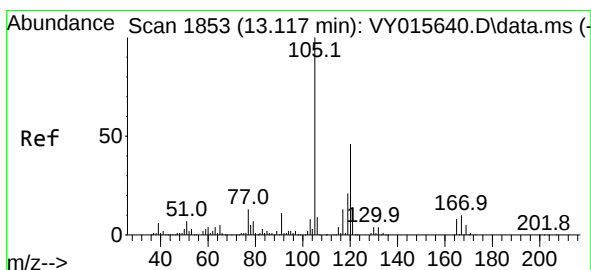
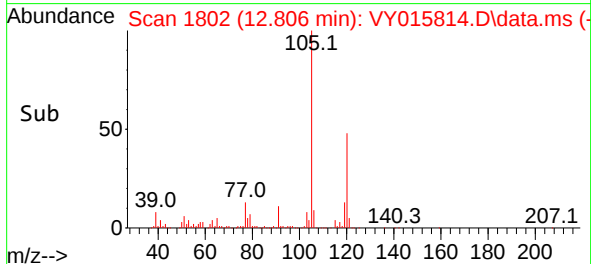
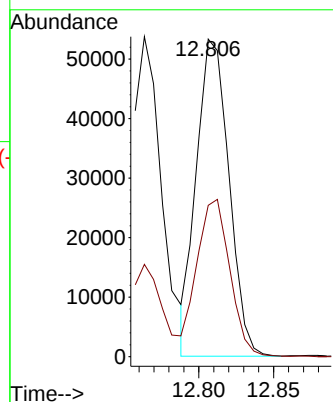
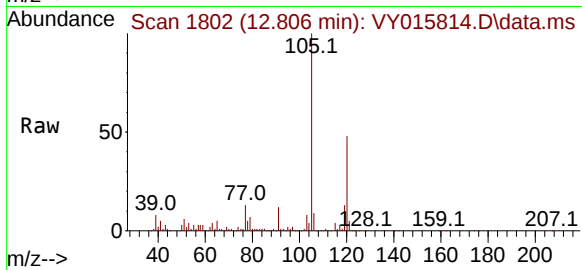
R-1(10-15)

Tgt Ion:105 Resp: 80688

Ion Ratio Lower Upper

105 100

120 50.2 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 39.101 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015814.D

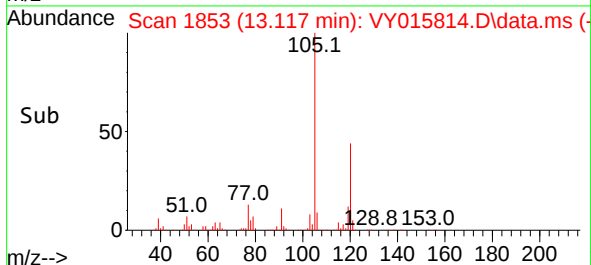
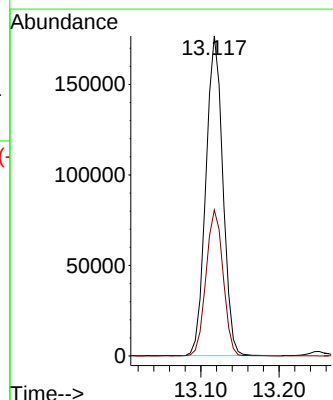
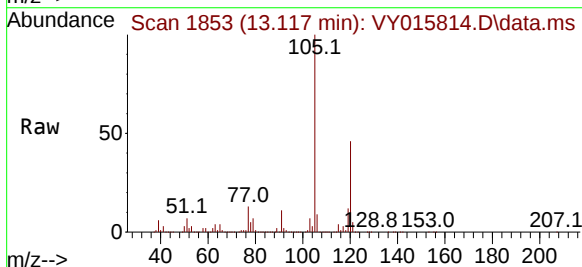
Acq: 03 Oct 2023 18:30

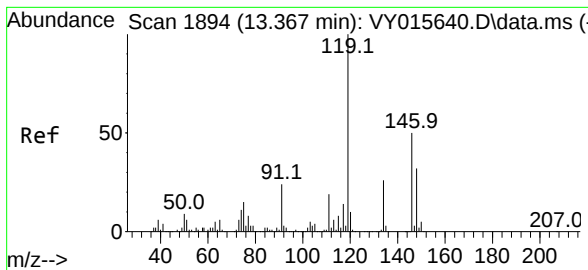
Tgt Ion:105 Resp: 265170

Ion Ratio Lower Upper

105 100

120 46.0 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 5.439 ug/l
 RT: 13.367 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY015814.D
 Acq: 03 Oct 2023 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-1(10-15)

Tgt Ion:	119	Resp:	40361
Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.3	39.8
91	26.4	12.4	37.4

