

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015901.D
 Acq On : 10 Oct 2023 16:52
 Operator : SY/MD
 Sample : 04767-02
 Misc : 6.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E-1(0-5)

Quant Time: Oct 11 01:21:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

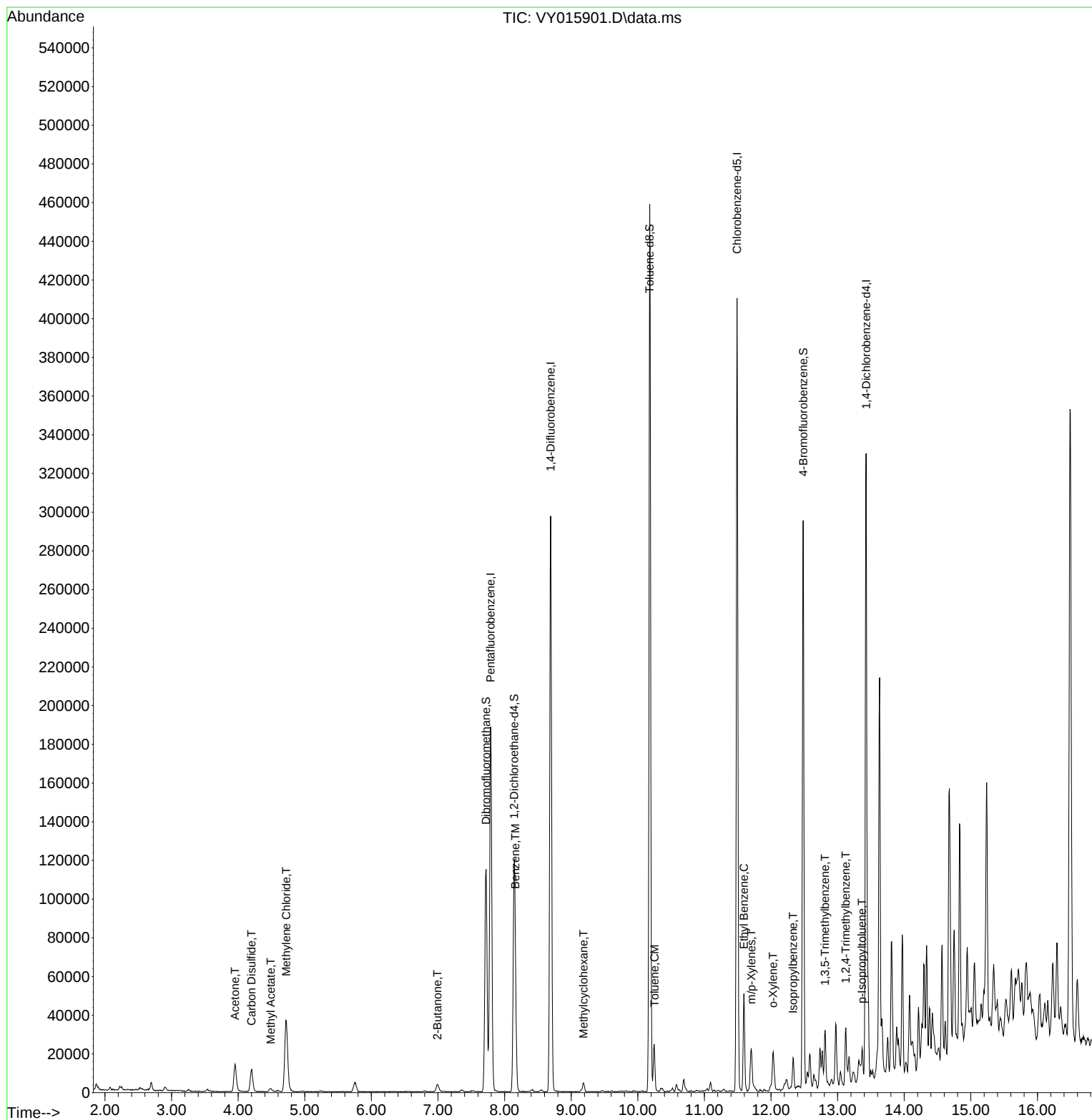
Internal Standards						
1) Pentafluorobenzene	7.789	168	148701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	259591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	225018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83938	62.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.460%	
35) Dibromofluoromethane	7.722	113	84054	58.051	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.100%	
50) Toluene-d8	10.179	98	301216	63.122	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.240%	
62) 4-Bromofluorobenzene	12.483	95	90198	46.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	24340	42.140	ug/l #	83
17) Carbon Disulfide	4.198	76	22875	19.561	ug/l	99
18) Methyl Acetate	4.491	43	3448	1.901	ug/l #	88
20) Methylene Chloride	4.722	84	29249	14.286	ug/l	87
25) 2-Butanone	6.990	43	6247	8.511	ug/l	94
39) Methylcyclohexane	9.185	83	2070	1.271	ug/l #	86
40) Benzene	8.161	78	30002	5.953	ug/l	100
52) Toluene	10.252	92	10040	3.001	ug/l	97
67) Ethyl Benzene	11.593	91	32675	4.853	ug/l	96
68) m/p-Xylenes	11.703	106	7212	2.842	ug/l	92
69) o-Xylene	12.032	106	4778	1.882	ug/l	97
73) Isopropylbenzene	12.331	105	5839	1.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	10983	2.519	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	15769	3.591	ug/l	98
86) p-Isopropyltoluene	13.367	119	7183	1.455	ug/l	98

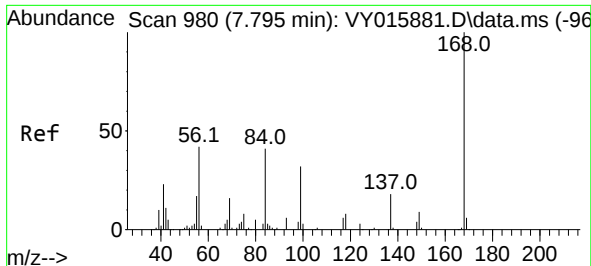
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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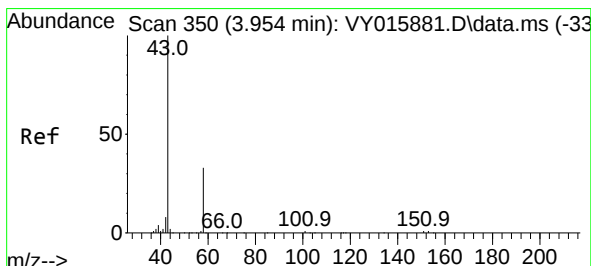
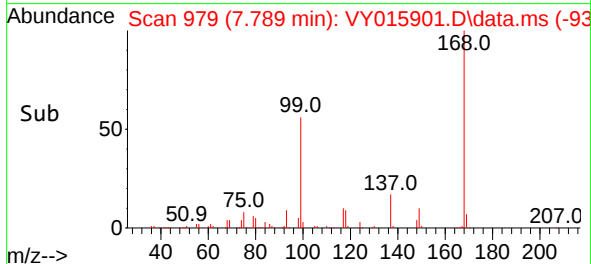
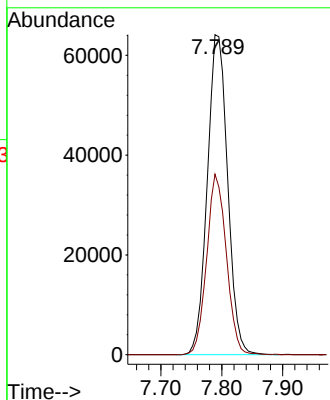
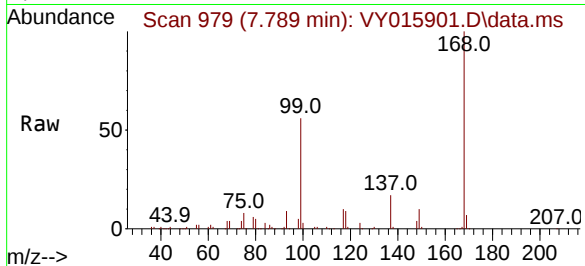




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

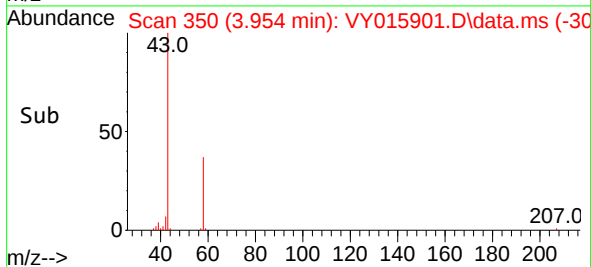
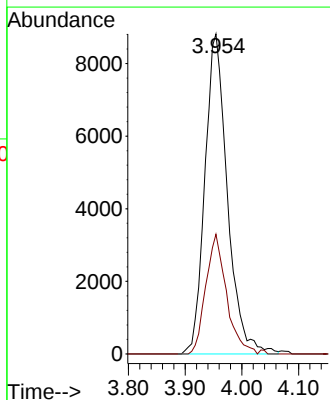
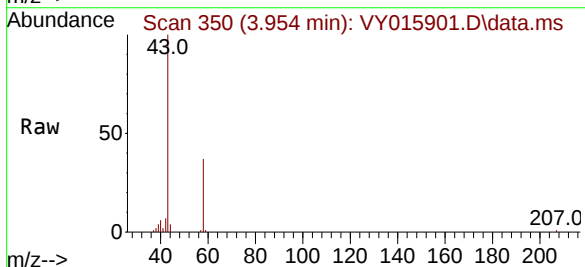
Instrument :
MSVOA_Y
ClientSampleId :
E-1(0-5)

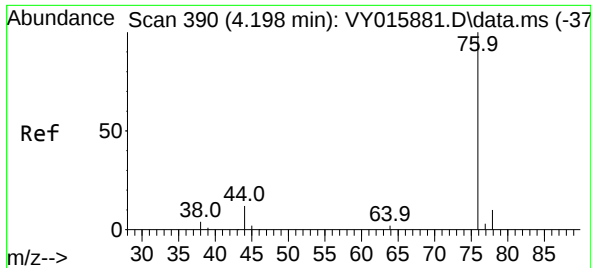
Tgt Ion:168 Resp: 148701
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#16
Acetone
Concen: 42.140 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion: 43 Resp: 24340
Ion Ratio Lower Upper
43 100
58 37.4 22.7 34.1#





#17

Carbon Disulfide

Concen: 19.561 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

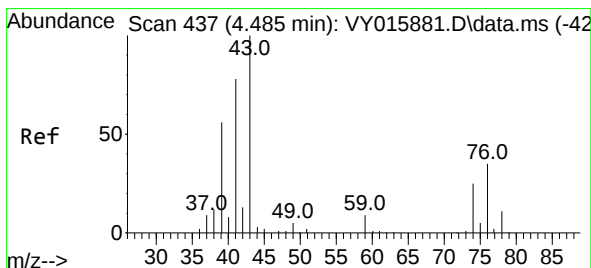
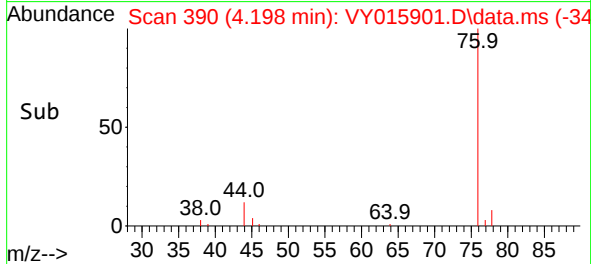
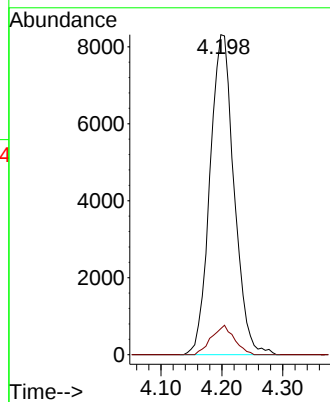
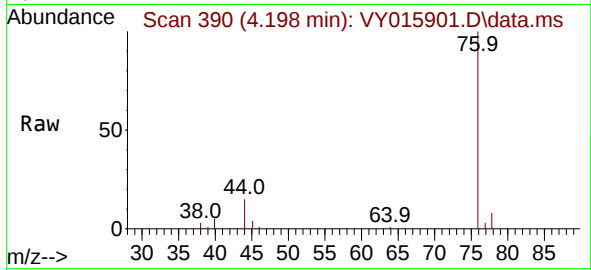
E-1(0-5)

Tgt Ion: 76 Resp: 22875

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4



#18

Methyl Acetate

Concen: 1.901 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY015901.D

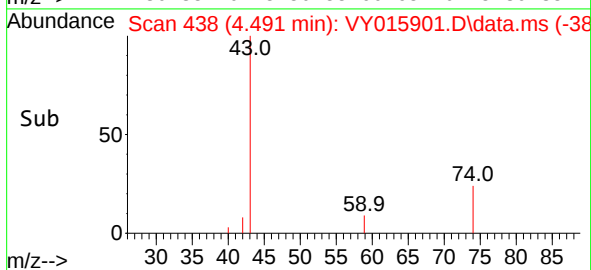
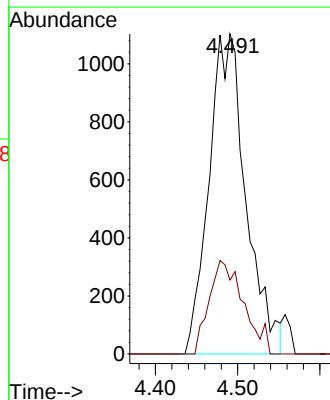
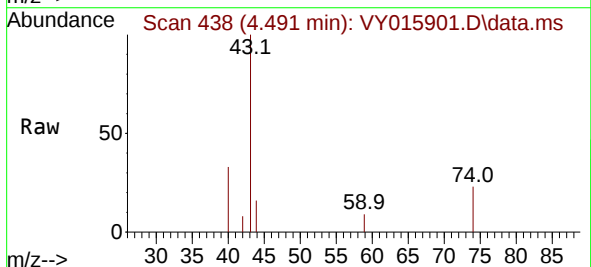
Acq: 10 Oct 2023 16:52

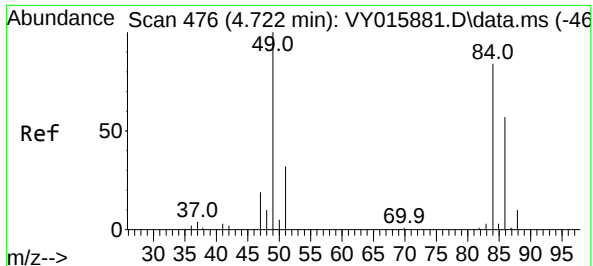
Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

43 100

74 27.2 17.4 26.0#





#20

Methylene Chloride

Concen: 14.286 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

E-1(0-5)

Tgt Ion: 84 Resp: 29249

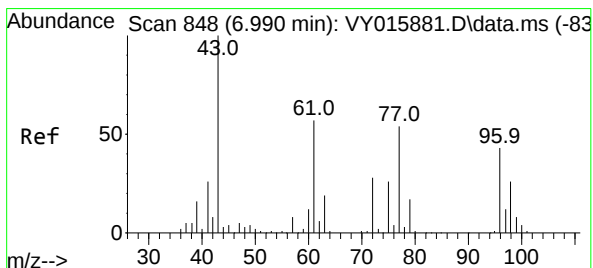
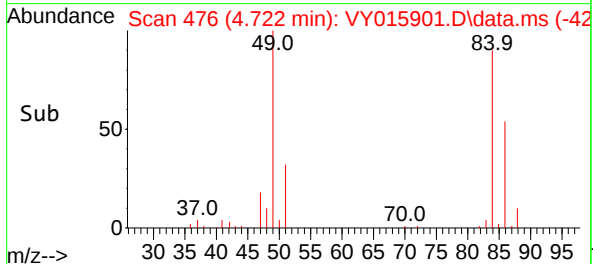
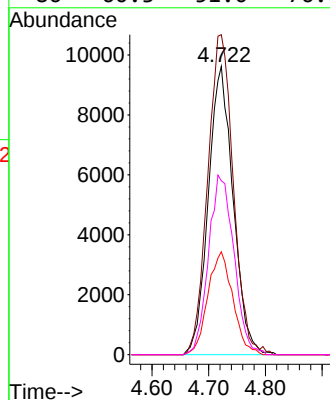
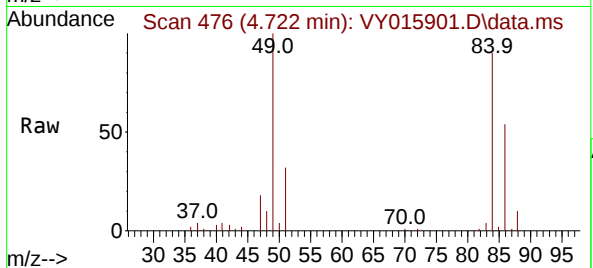
Ion Ratio Lower Upper

84 100

49 111.0 106.9 160.3

51 35.7 33.2 49.8

86 60.3 51.0 76.6



#25

2-Butanone

Concen: 8.511 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY015901.D

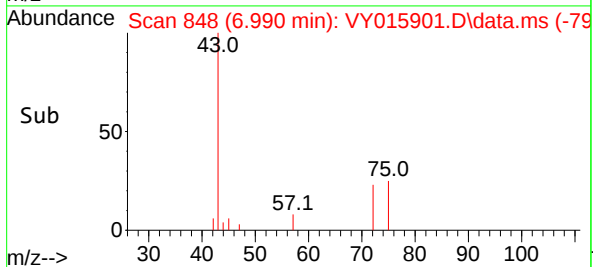
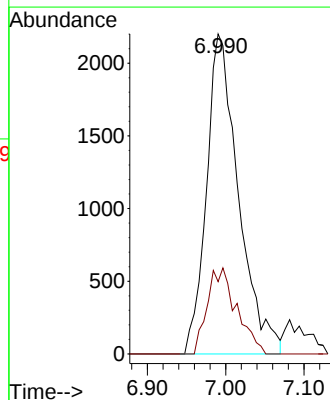
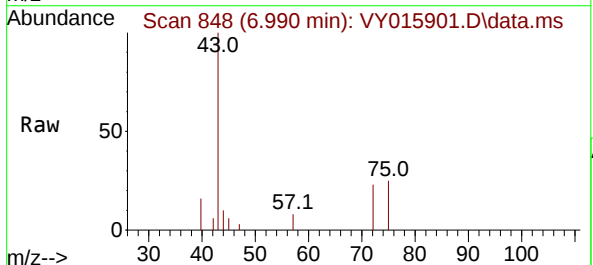
Acq: 10 Oct 2023 16:52

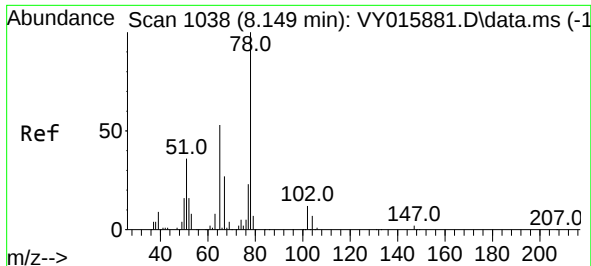
Tgt Ion: 43 Resp: 6247

Ion Ratio Lower Upper

43 100

72 22.6 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 62.734 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

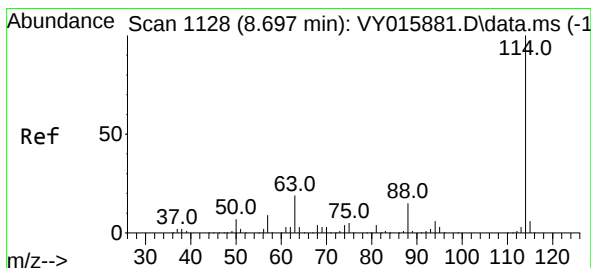
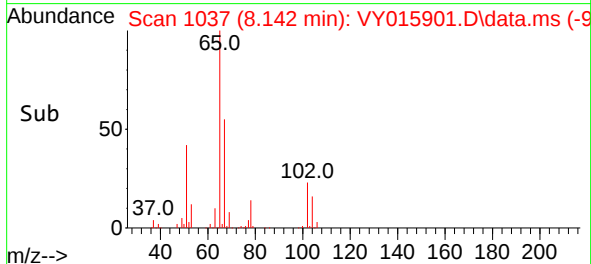
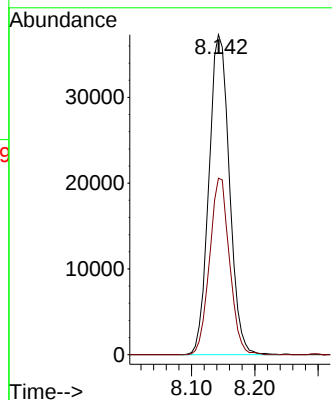
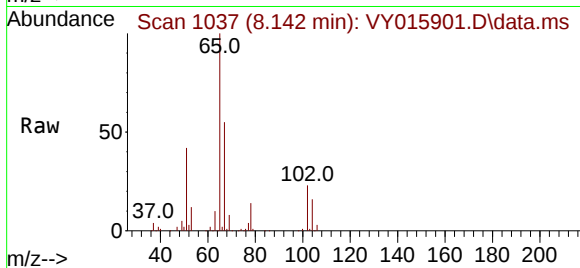
E-1(0-5)

Tgt Ion: 65 Resp: 83938

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

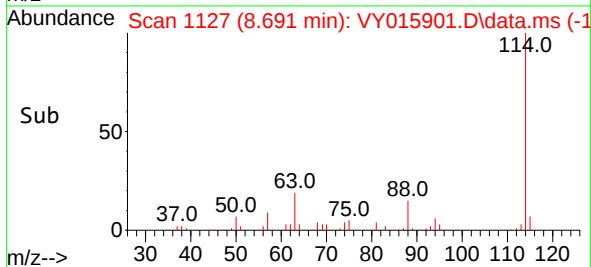
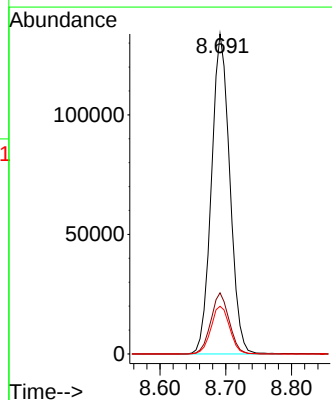
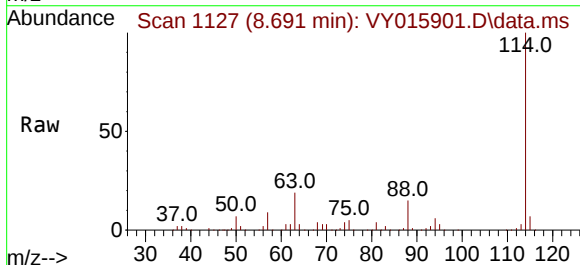
Tgt Ion: 114 Resp: 259591

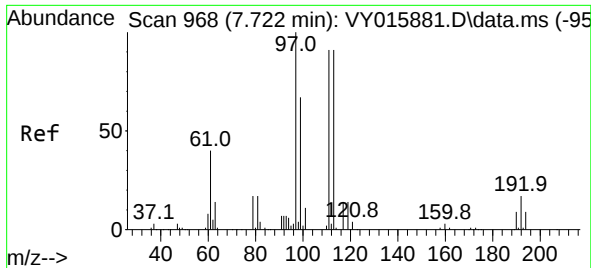
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.9 0.0 30.6

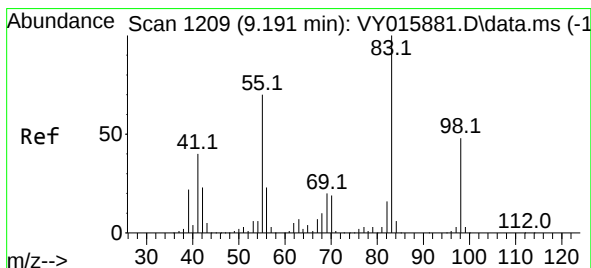
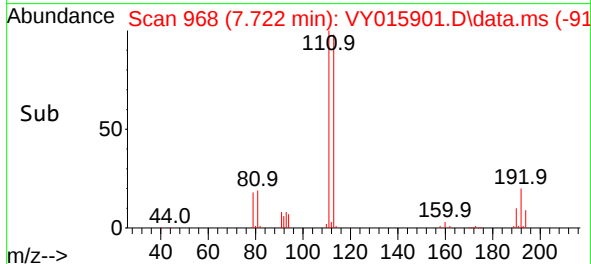
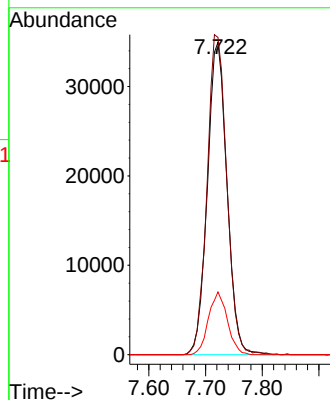
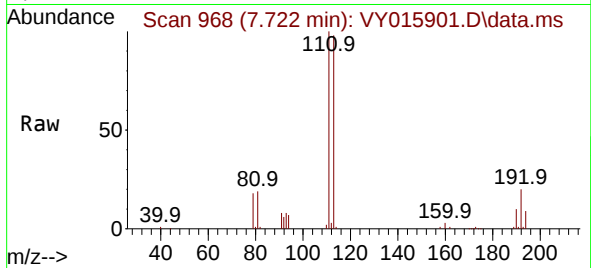




#35
Dibromofluoromethane
Concen: 58.051 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

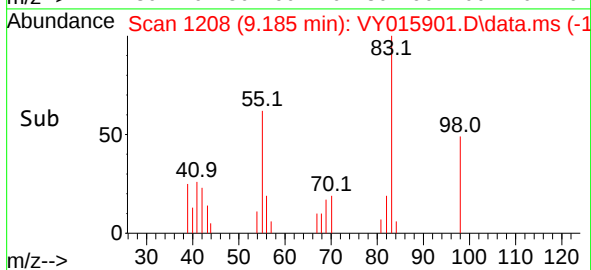
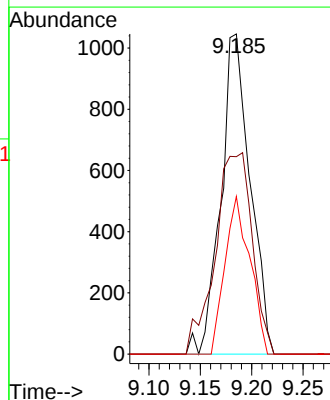
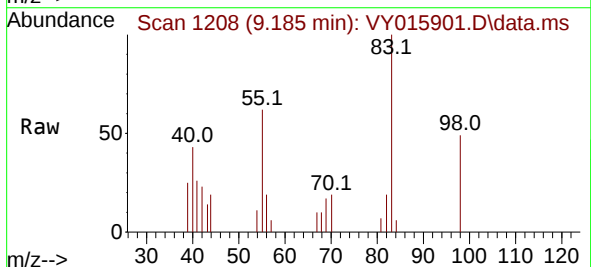
Instrument :
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E-1(0-5)

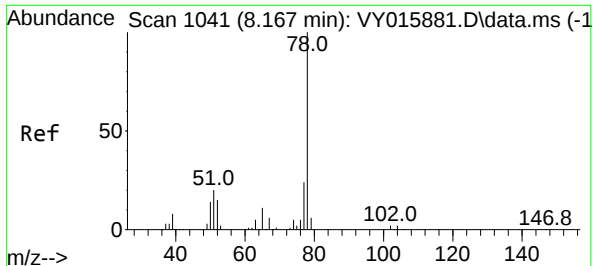
Tgt Ion:113 Resp: 84054
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.3 16.9 25.3



#39
Methylcyclohexane
Concen: 1.271 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion: 83 Resp: 2070
Ion Ratio Lower Upper
83 100
55 61.7 63.0 94.4#
98 49.2 37.4 56.2

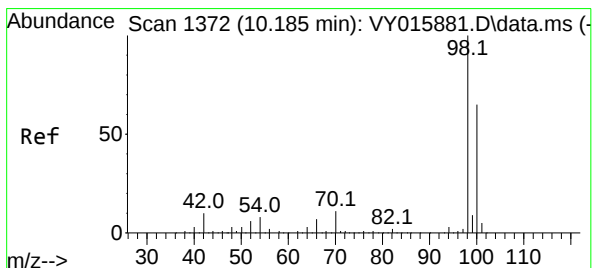
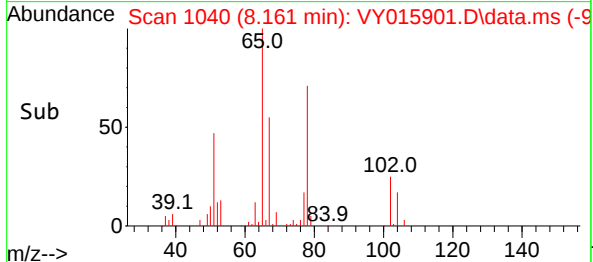
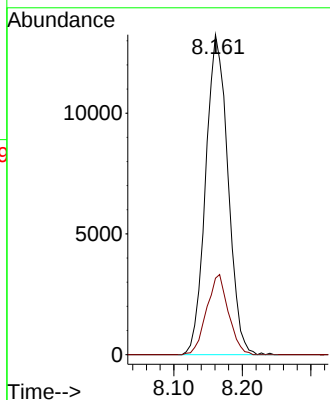
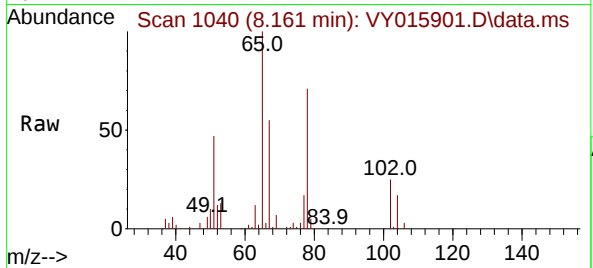




#40
Benzene
Concen: 5.953 ug/l
RT: 8.161 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

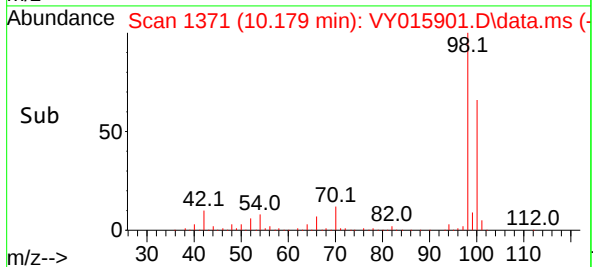
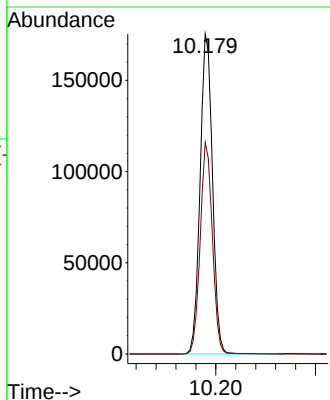
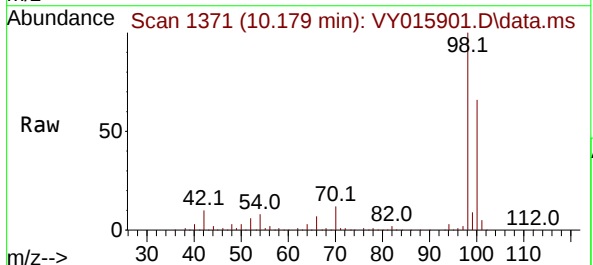
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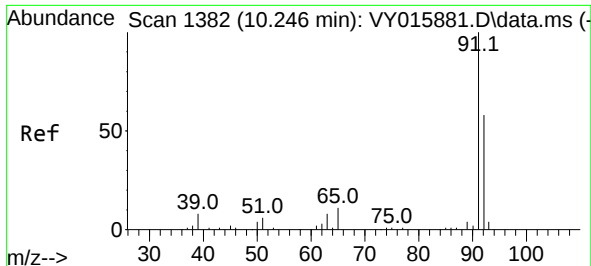
Tgt Ion: 78 Resp: 30002
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



#50
Toluene-d8
Concen: 63.122 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion: 98 Resp: 301216
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

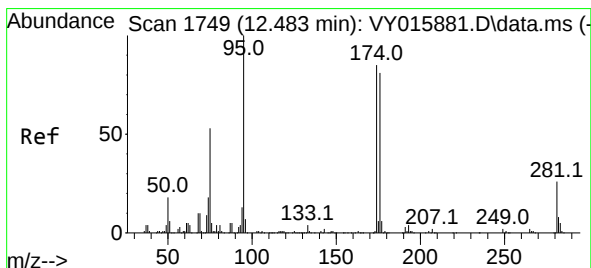
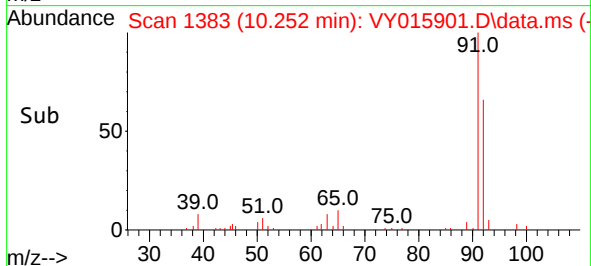
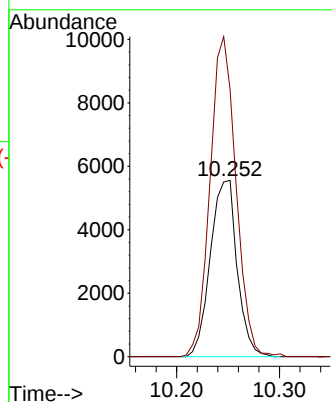
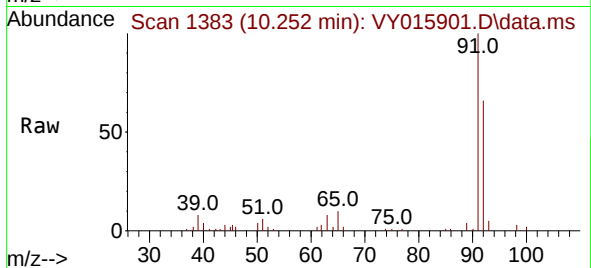




#52
Toluene
Concen: 3.001 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

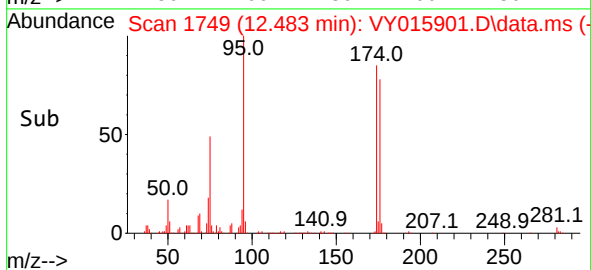
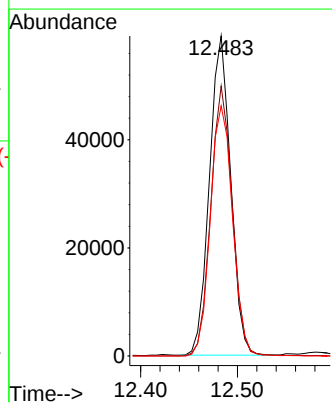
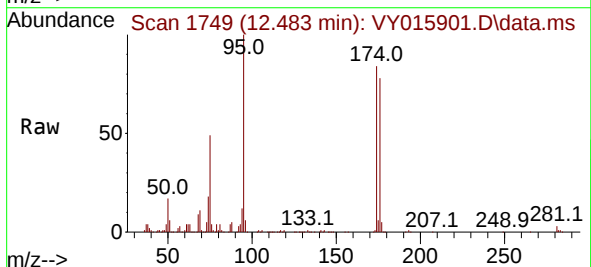
Instrument :
MSVOA_Y
ClientSampleId :
E-1(0-5)

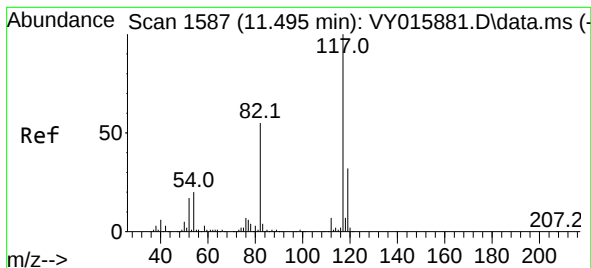
Tgt Ion: 92 Resp: 10040
Ion Ratio Lower Upper
92 100
91 175.8 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 46.536 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion: 95 Resp: 90198
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 82.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

E-1(0-5)

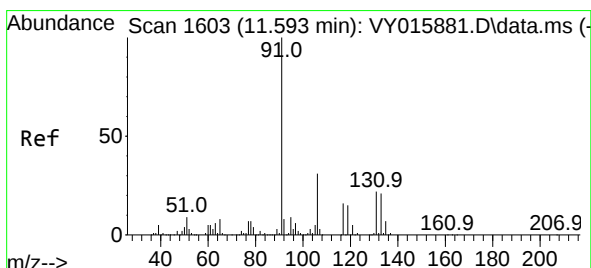
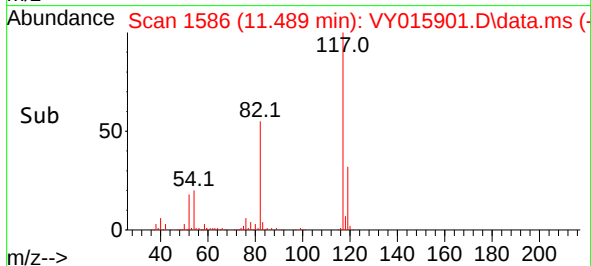
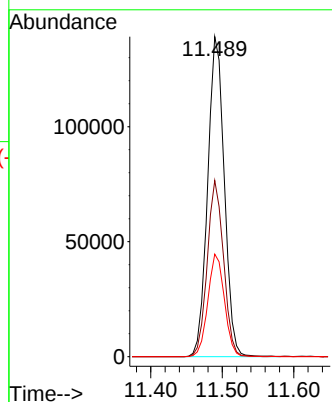
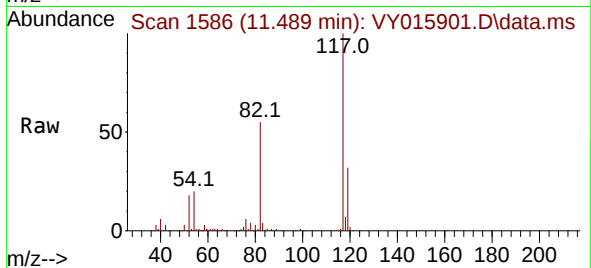
Tgt Ion:117 Resp: 225018

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 32.0 26.3 39.5



#67

Ethyl Benzene

Concen: 4.853 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY015901.D

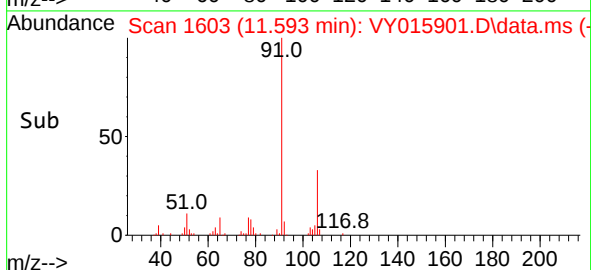
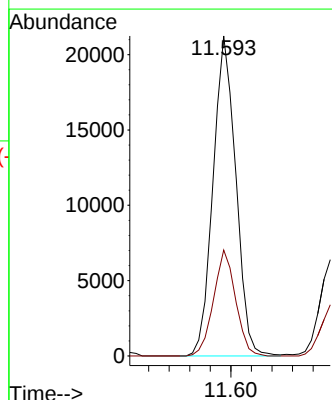
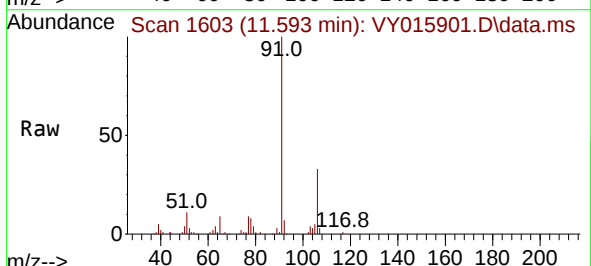
Acq: 10 Oct 2023 16:52

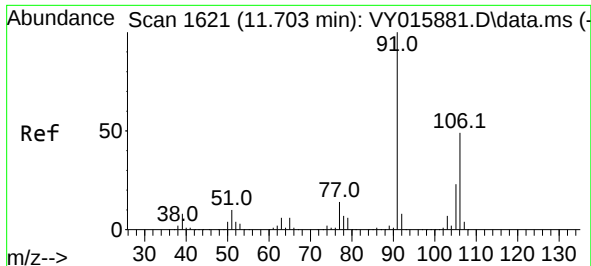
Tgt Ion: 91 Resp: 32675

Ion Ratio Lower Upper

91 100

106 33.1 24.6 36.8

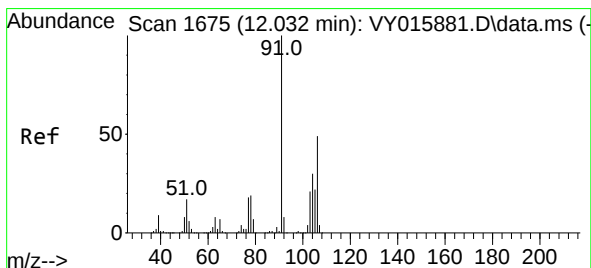
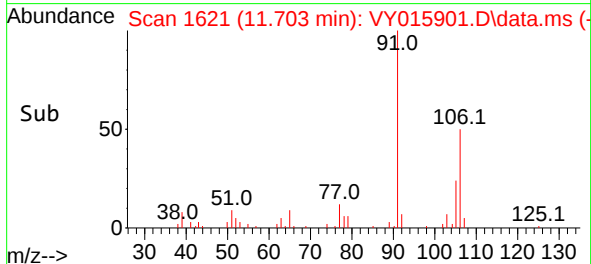
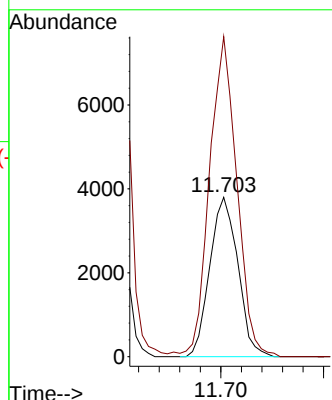
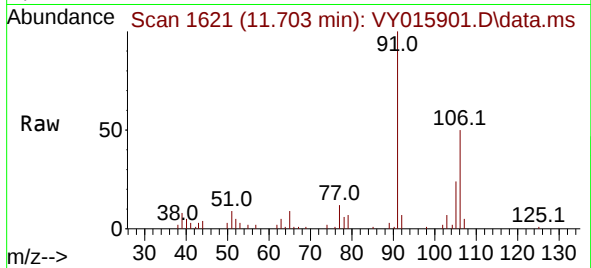




#68
m/p-Xylenes
Concen: 2.842 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

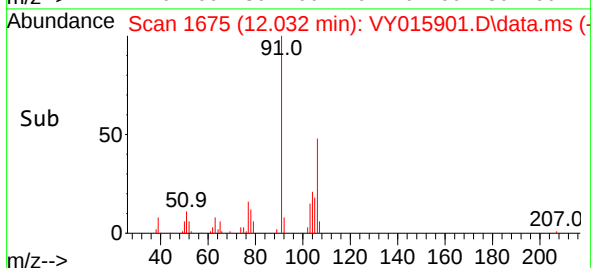
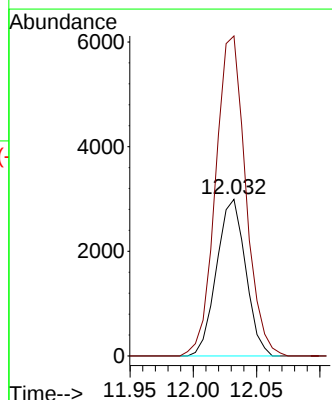
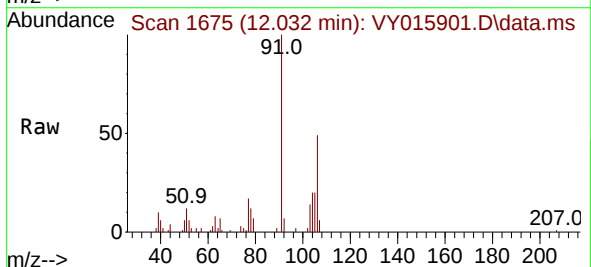
Instrument :
MSVOA_Y
ClientSampleId :
E-1(0-5)

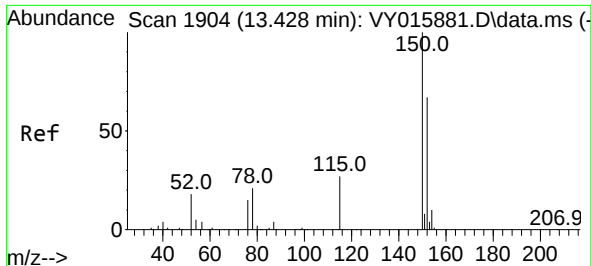
Tgt Ion:106 Resp: 7212
Ion Ratio Lower Upper
106 100
91 195.6 166.1 249.1



#69
o-Xylene
Concen: 1.882 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion:106 Resp: 4778
Ion Ratio Lower Upper
106 100
91 211.7 108.1 324.3

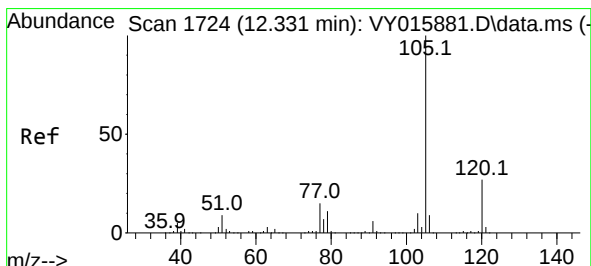
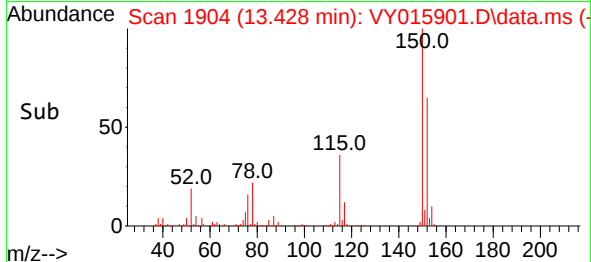
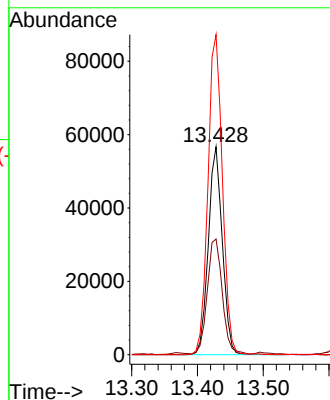
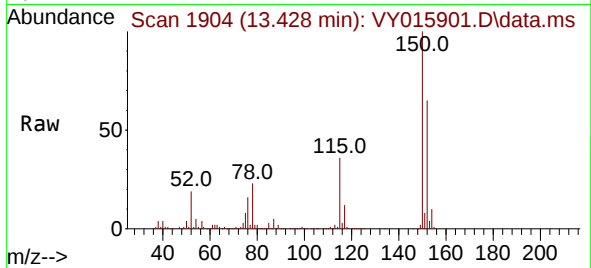




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

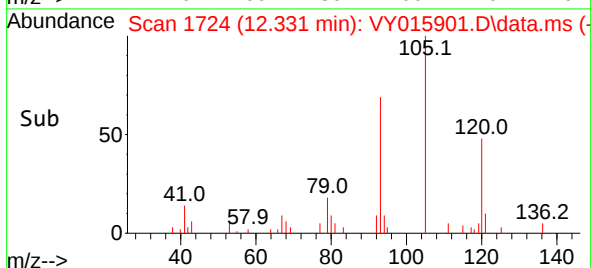
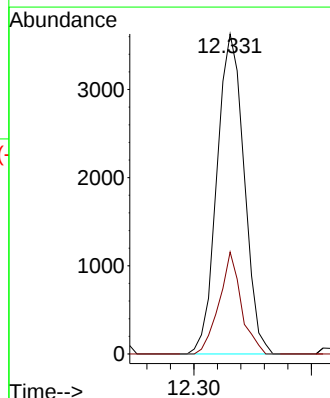
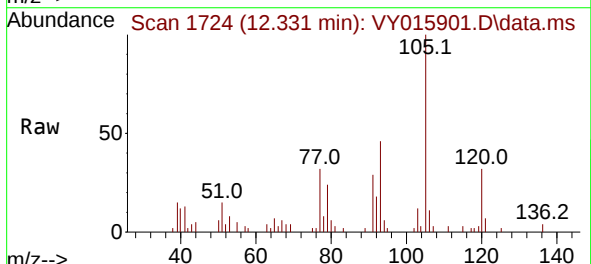
Instrument :
MSVOA_Y
ClientSampleId :
E-1(0-5)

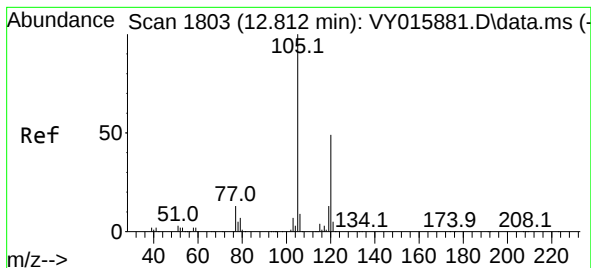
Tgt Ion:152 Resp: 83864
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 158.9 0.0 348.8



#73
Isopropylbenzene
Concen: 1.104 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY015901.D
Acq: 10 Oct 2023 16:52

Tgt Ion:105 Resp: 5839
Ion Ratio Lower Upper
105 100
120 25.8 13.3 39.9





#80

1,3,5-Trimethylbenzene

Concen: 2.519 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015901.D

Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

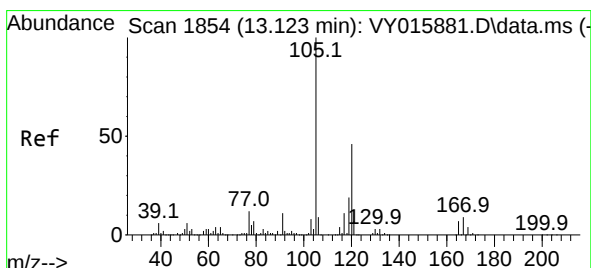
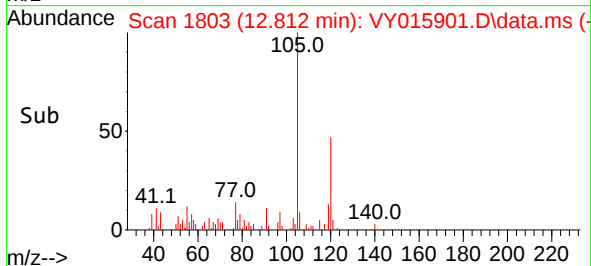
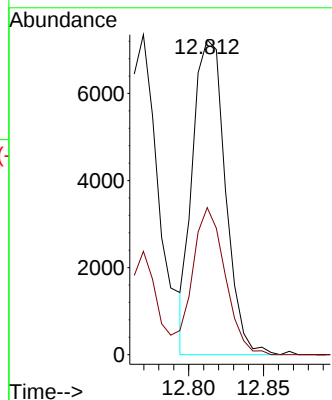
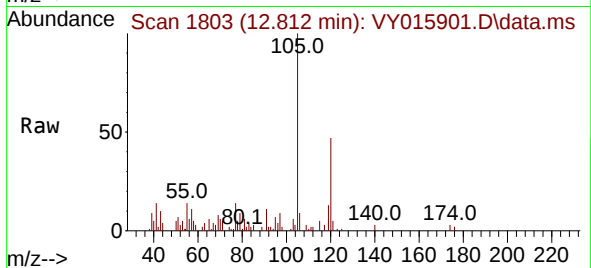
E-1(0-5)

Tgt Ion:105 Resp: 10983

Ion Ratio Lower Upper

105 100

120 47.0 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 3.591 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY015901.D

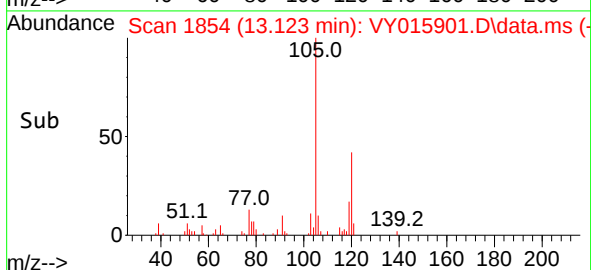
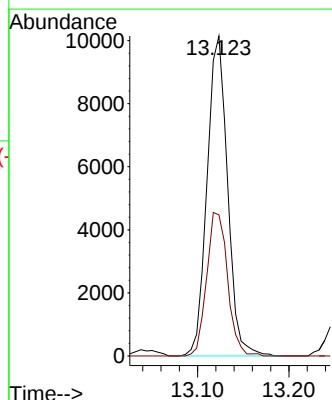
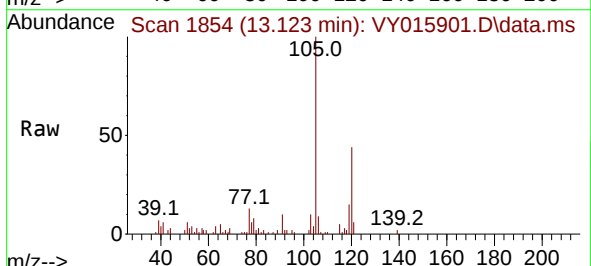
Acq: 10 Oct 2023 16:52

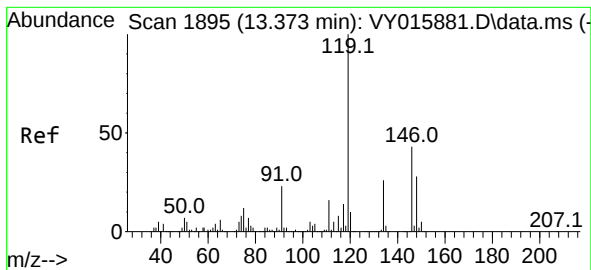
Tgt Ion:105 Resp: 15769

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6





#86

p-Isopropyltoluene

Concen: 1.455 ug/l

RT: 13.367 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015901.D

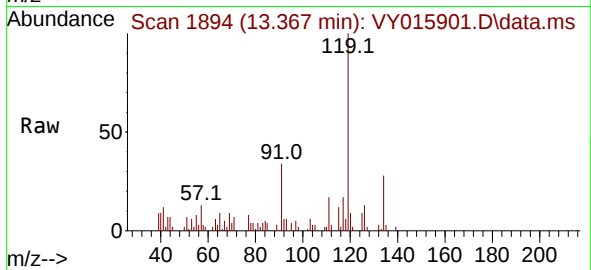
Acq: 10 Oct 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

E-1(0-5)



Tgt Ion:119 Resp: 7183

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 26.3 12.4 37.4

