

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011224\
 Data File : VY016997.D
 Acq On : 12 Jan 2024 16:55
 Operator : SY/MD
 Sample : P1135-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 360

Quant Time: Jan 13 00:08:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

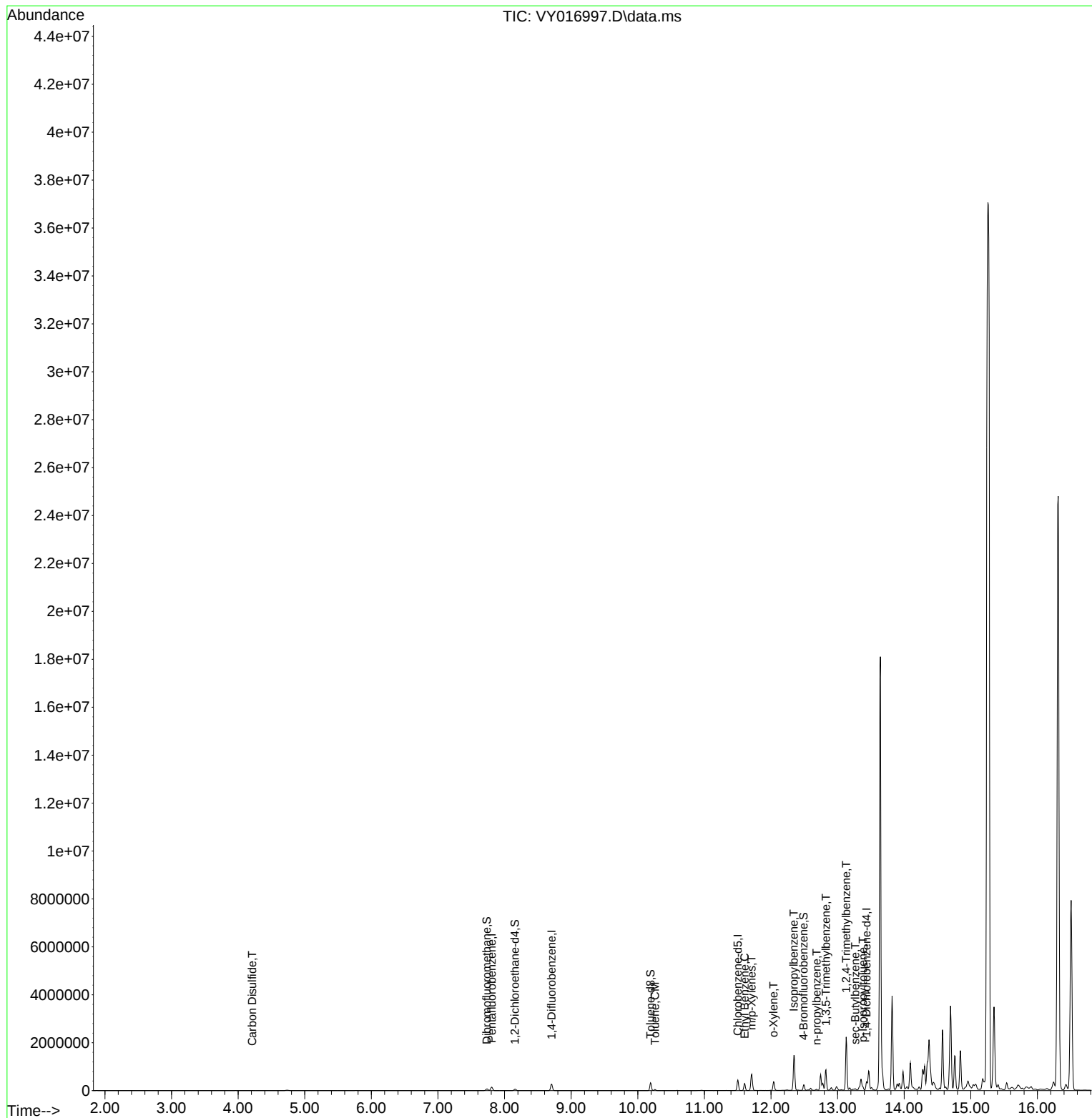
Internal Standards						
1) Pentafluorobenzene	7.807	168	110503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	233237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	228609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86733	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49769	45.569	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.140%
35) Dibromofluoromethane	7.734	113	54285	36.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.040%
50) Toluene-d8	10.191	98	209741	40.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.960%
62) 4-Bromofluorobenzene	12.489	95	71585	41.456	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.920%
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.210	76	6747	2.683	ug/l	95
52) Toluene	10.258	92	19673	5.017	ug/l	100
67) Ethyl Benzene	11.605	91	206194	24.049	ug/l	97
68) m/p-Xylenes	11.709	106	203444	64.644	ug/l	100
69) o-Xylene	12.038	106	93413	31.662	ug/l	96
73) Isopropylbenzene	12.343	105	137362	19.394	ug/l	86
78) n-propylbenzene	12.685	91	29850	3.467	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	435386	77.726	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	1133015	205.390	ug/l	98
85) sec-Butylbenzene	13.264	105	36240	4.957	ug/l	97
86) p-Isopropyltoluene	13.380	119	74845	12.405	ug/l	# 74

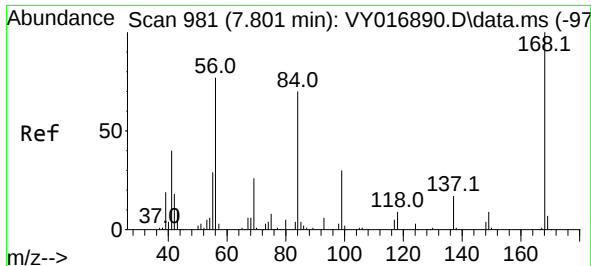
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011224\
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Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
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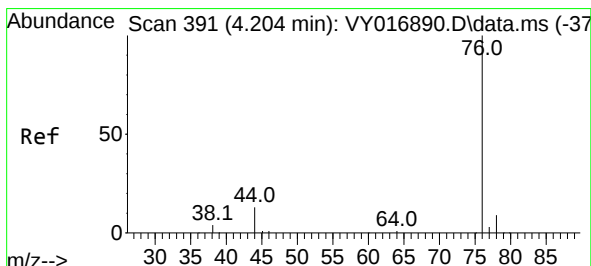
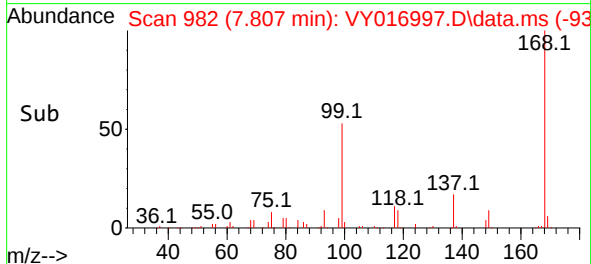
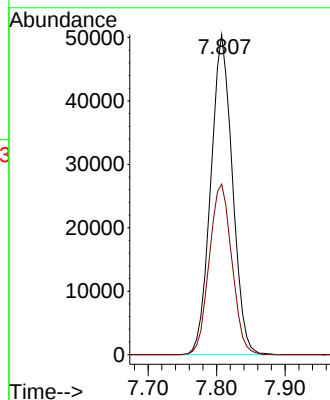
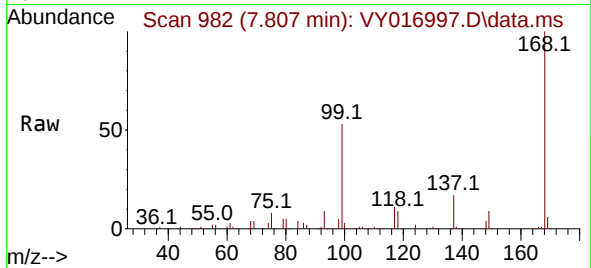




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

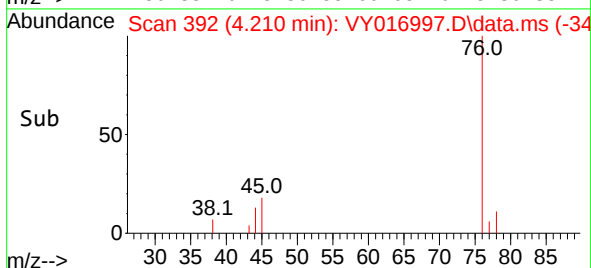
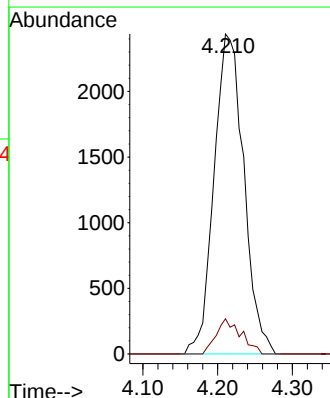
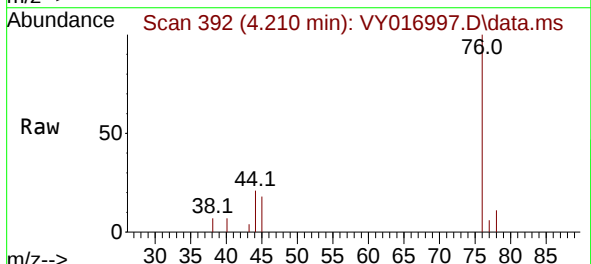
Instrument :
MSVOA_Y
ClientSampleId :
360

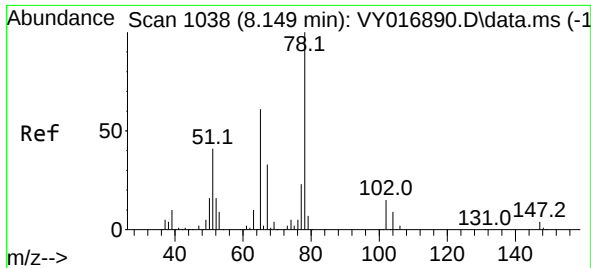
Tgt Ion:168 Resp: 110503
Ion Ratio Lower Upper
168 100
99 53.3 44.2 66.4



#17
Carbon Disulfide
Concen: 2.683 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

Tgt Ion: 76 Resp: 6747
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0





#33

1,2-Dichloroethane-d4

Concen: 45.569 ug/l

RT: 8.155 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

Instrument :

MSVOA_Y

ClientSampleId :

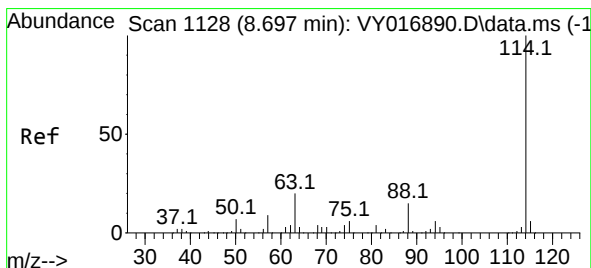
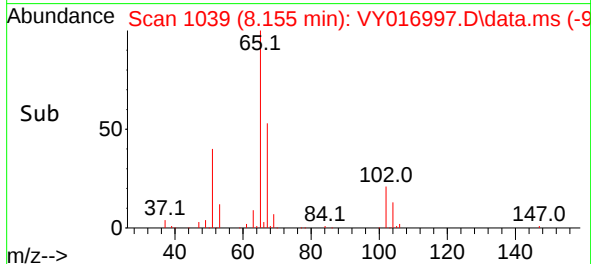
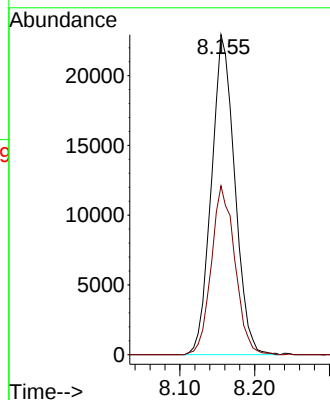
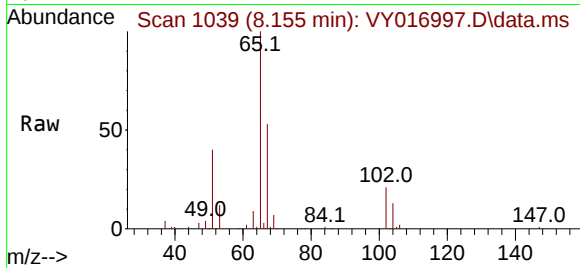
360

Tgt Ion: 65 Resp: 49769

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.001 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

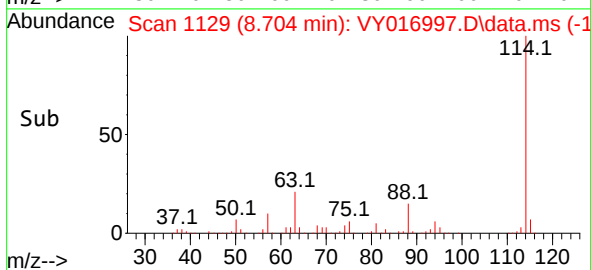
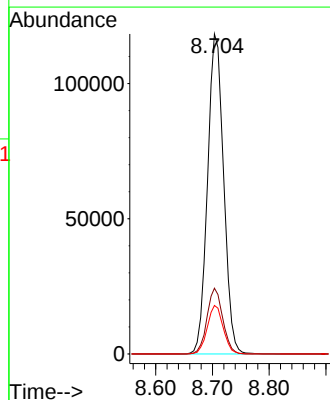
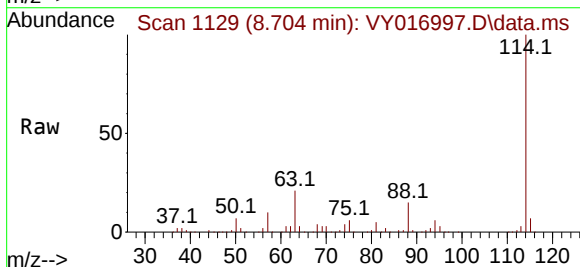
Tgt Ion: 114 Resp: 233237

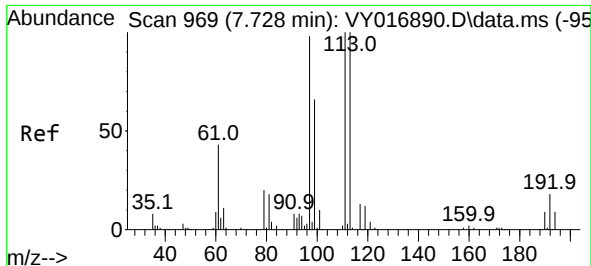
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.1 0.0 29.0

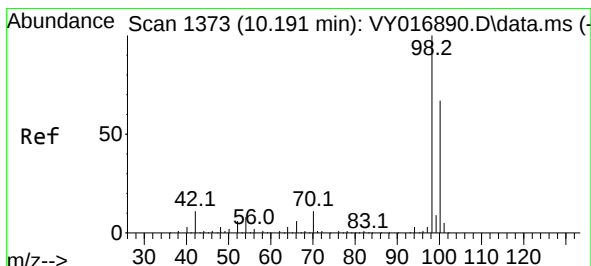
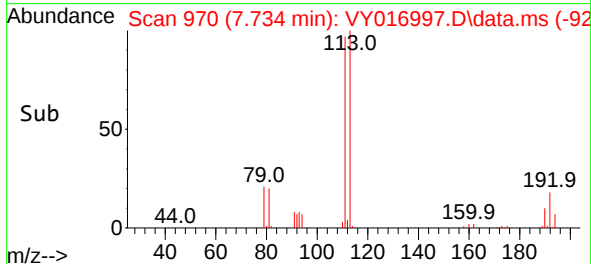
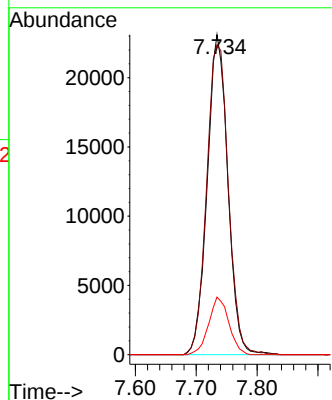
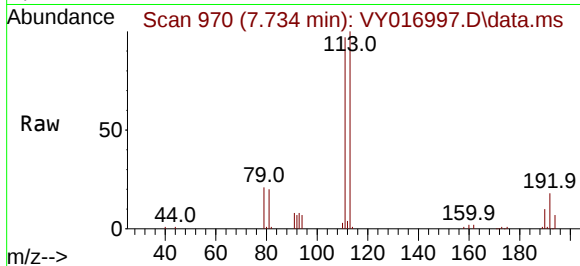




#35
Dibromofluoromethane
Concen: 36.524 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

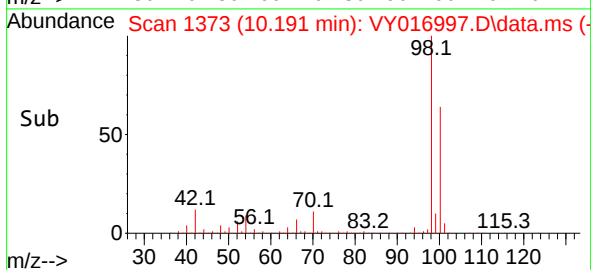
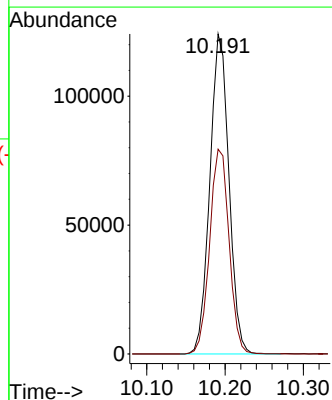
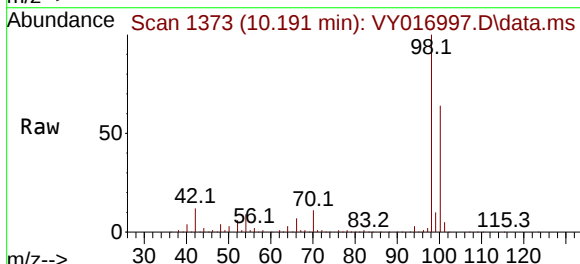
Instrument :
MSVOA_Y
ClientSampleId :
360

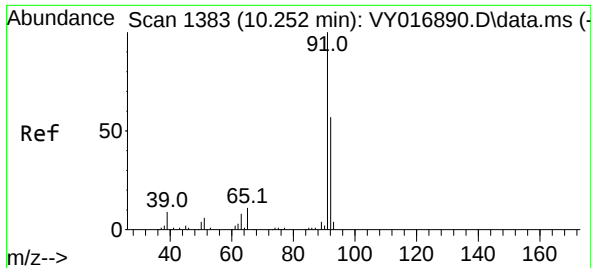
Tgt Ion:113 Resp: 54285
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 17.7 14.5 21.7



#50
Toluene-d8
Concen: 40.981 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

Tgt Ion: 98 Resp: 209741
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#52

Toluene

Concen: 5.017 ug/l

RT: 10.258 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

Instrument :

MSVOA_Y

ClientSampleId :

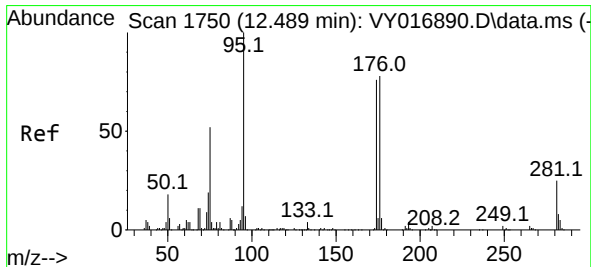
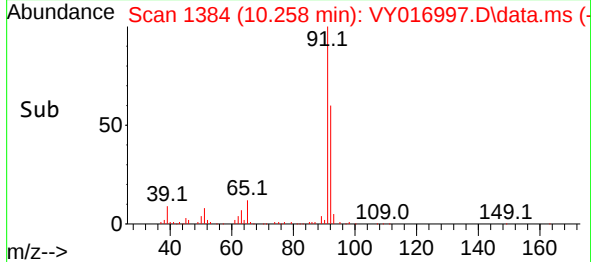
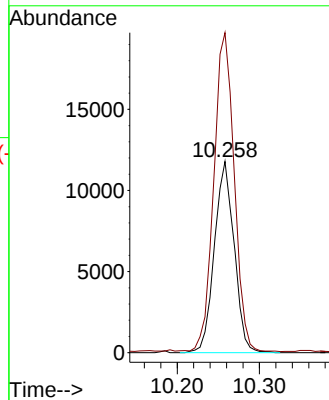
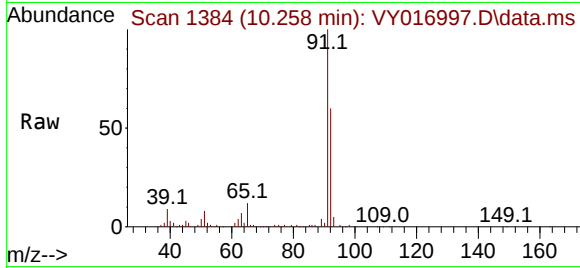
360

Tgt Ion: 92 Resp: 19673

Ion Ratio Lower Upper

92 100

91 172.0 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 41.456 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

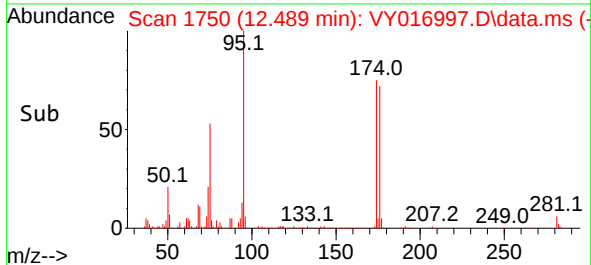
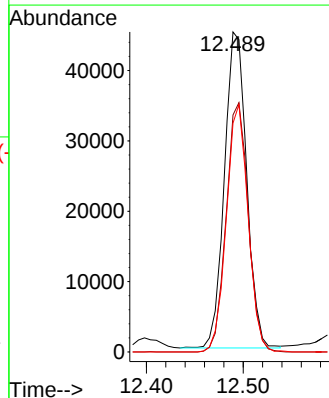
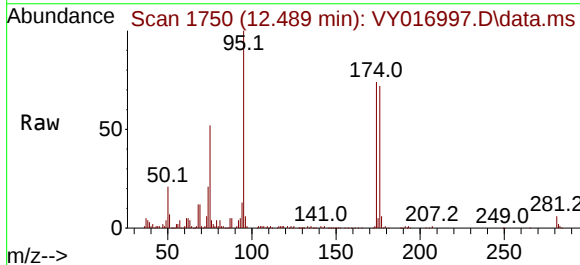
Tgt Ion: 95 Resp: 71585

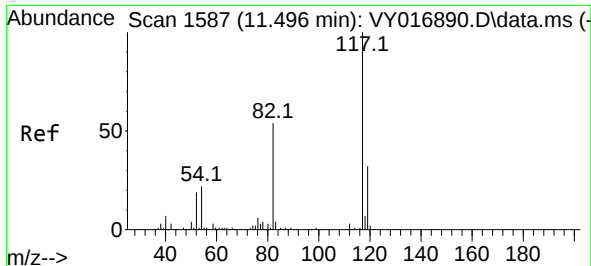
Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.0

176 76.4 0.0 151.8

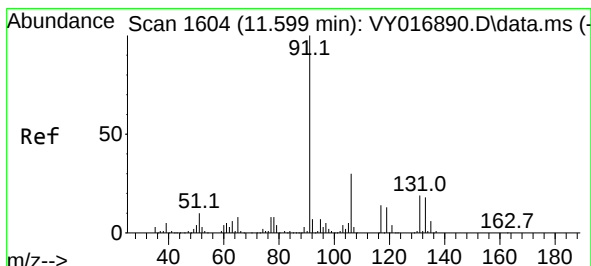
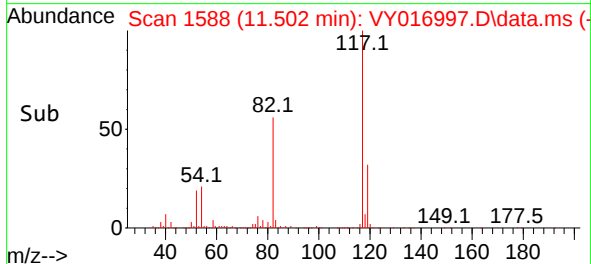
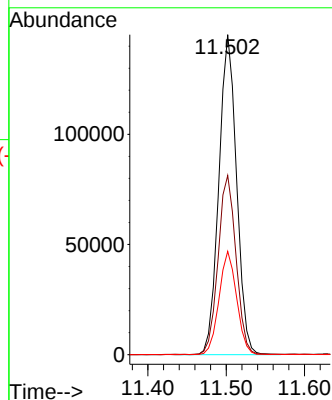
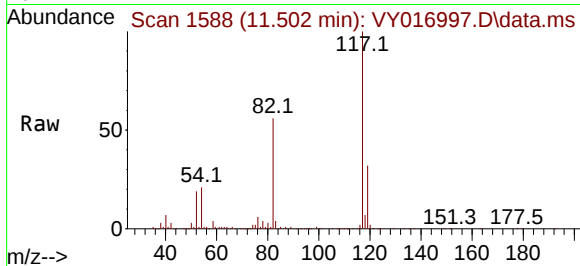




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

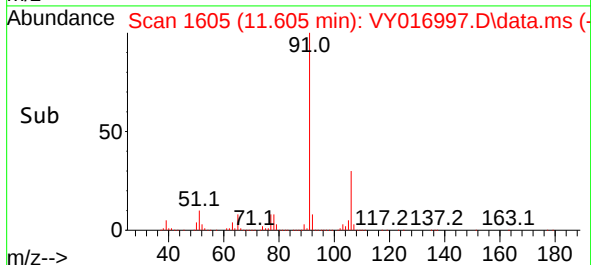
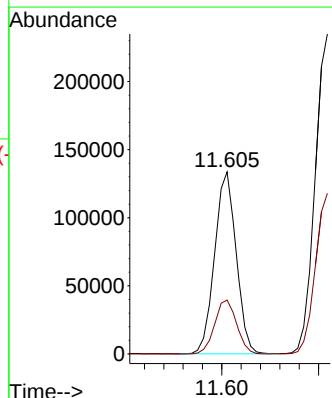
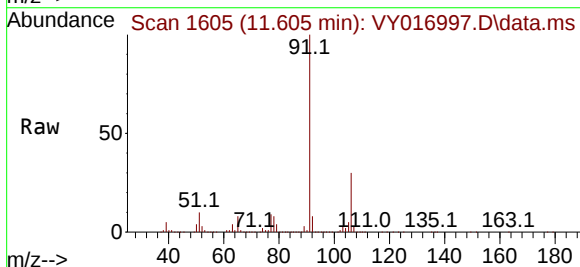
Instrument :
MSVOA_Y
ClientSampleId :
360

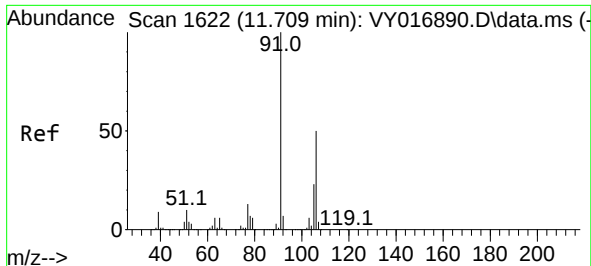
Tgt Ion:117 Resp: 228609
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 32.3 26.5 39.7



#67
Ethyl Benzene
Concen: 24.049 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

Tgt Ion: 91 Resp: 206194
Ion Ratio Lower Upper
91 100
106 29.6 25.0 37.4

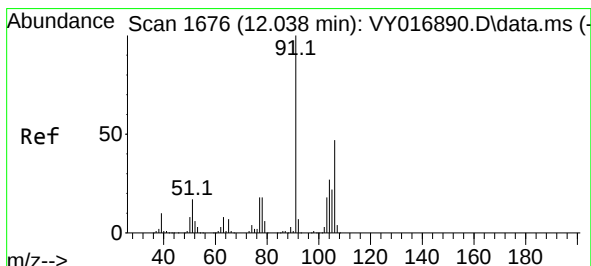
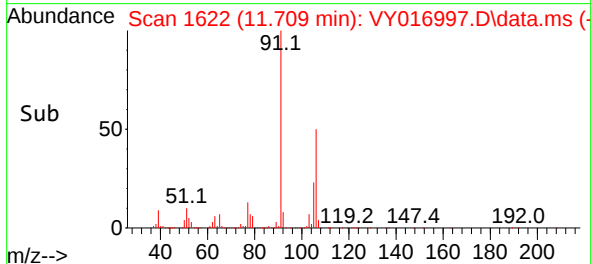
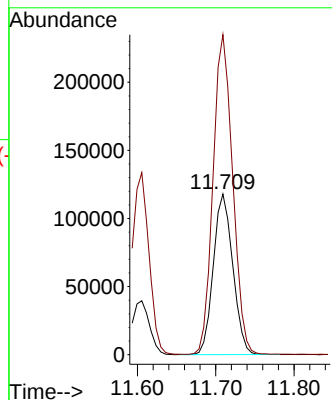
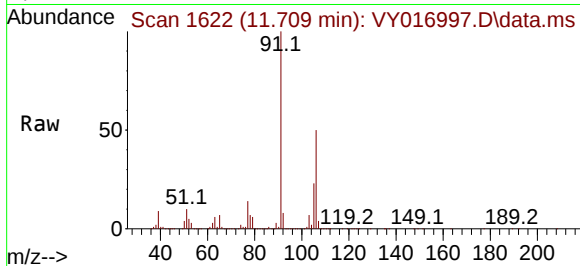




#68
m/p-Xylenes
Concen: 64.644 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

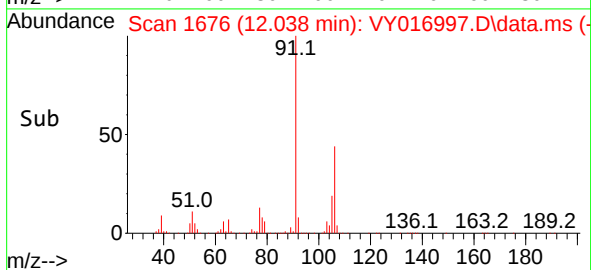
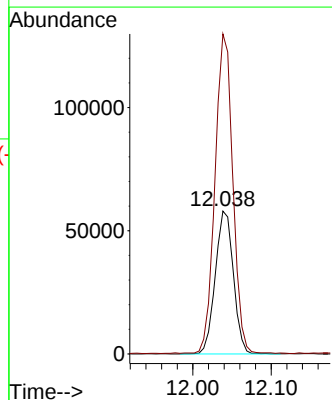
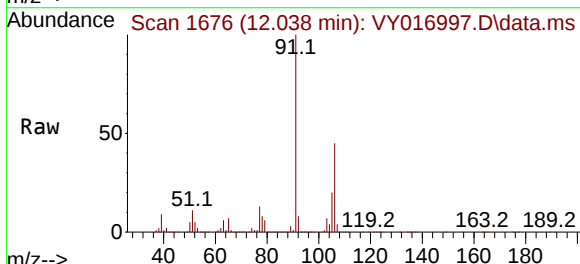
Instrument :
MSVOA_Y
ClientSampleId :
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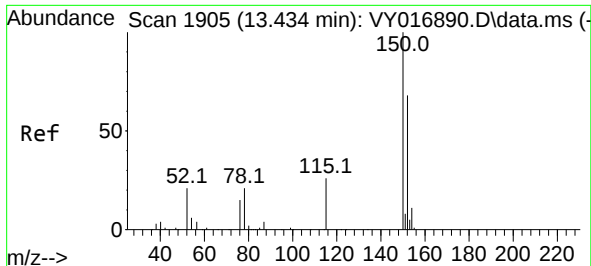
Tgt Ion:106 Resp: 203444
Ion Ratio Lower Upper
106 100
91 201.2 160.7 241.1



#69
o-Xylene
Concen: 31.662 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

Tgt Ion:106 Resp: 93413
Ion Ratio Lower Upper
106 100
91 219.7 106.5 319.5

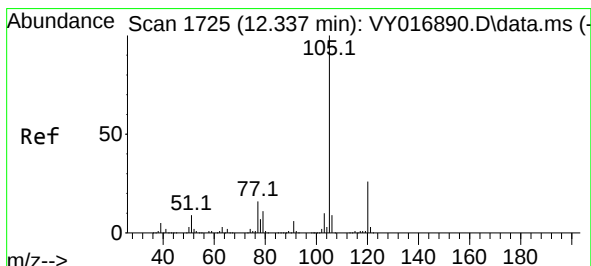
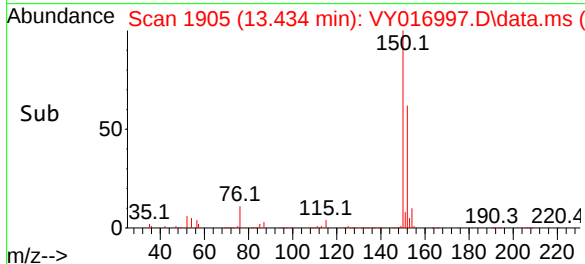
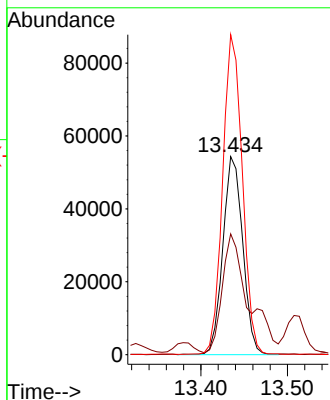
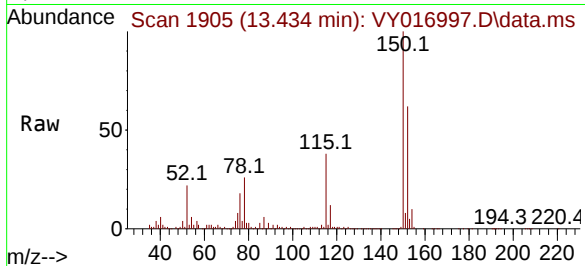




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

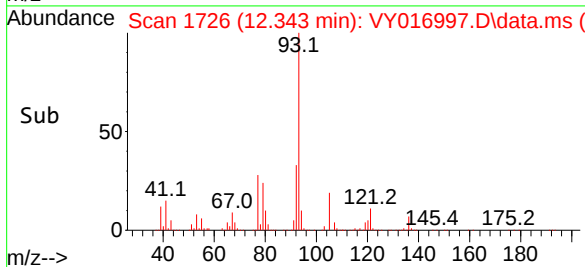
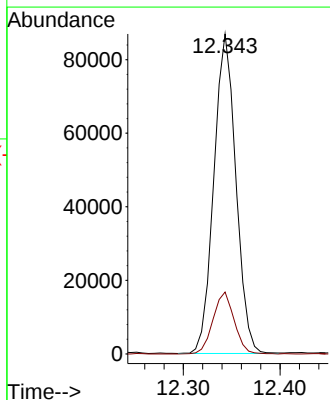
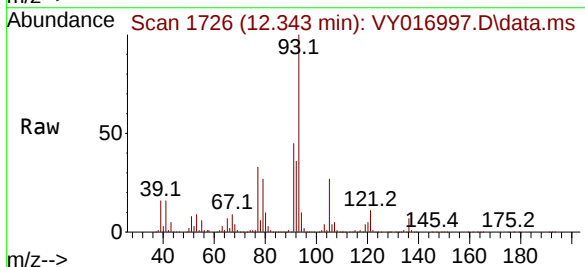
Instrument :
MSVOA_Y
ClientSampleId :
360

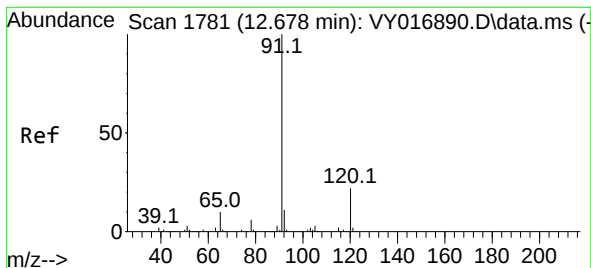
Tgt Ion:152 Resp: 86733
Ion Ratio Lower Upper
152 100
115 0.0 30.0 90.0#
150 159.5 0.0 344.6



#73
Isopropylbenzene
Concen: 19.394 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.006 min
Lab File: VY016997.D
Acq: 12 Jan 2024 16:55

Tgt Ion:105 Resp: 137362
Ion Ratio Lower Upper
105 100
120 18.7 13.0 39.0





#78

n-propylbenzene

Concen: 3.467 ug/l

RT: 12.685 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

Instrument :

MSVOA_Y

ClientSampleId :

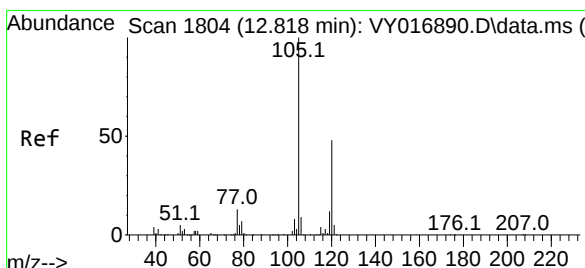
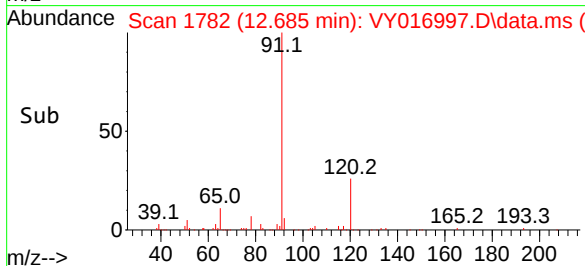
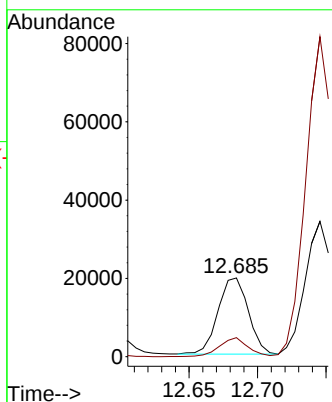
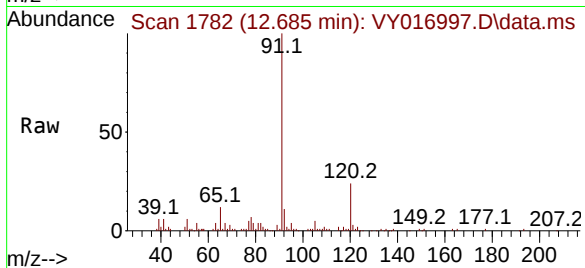
360

Tgt Ion: 91 Resp: 29850

Ion Ratio Lower Upper

91 100

120 23.8 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 77.726 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.007 min

Lab File: VY016997.D

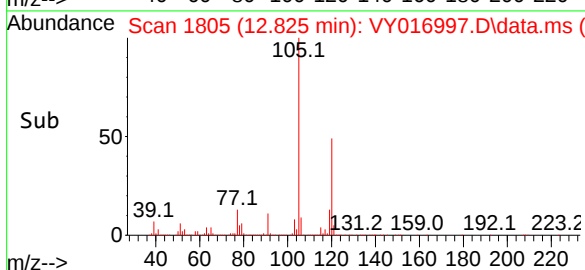
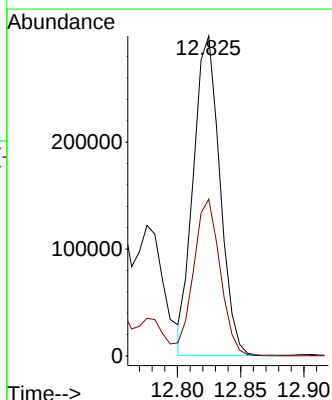
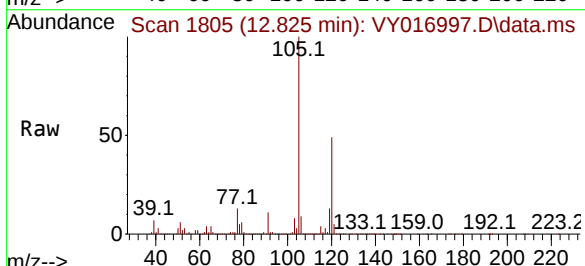
Acq: 12 Jan 2024 16:55

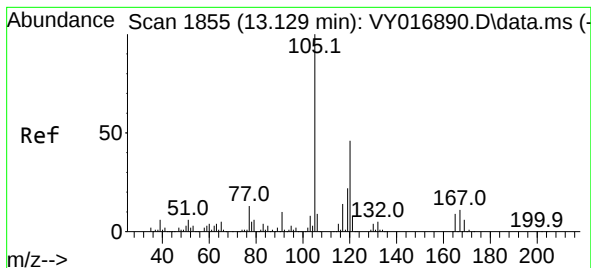
Tgt Ion:105 Resp: 435386

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 205.390 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.001 min

Lab File: VY016997.D

Acq: 12 Jan 2024 16:55

Instrument :

MSVOA_Y

ClientSampleId :

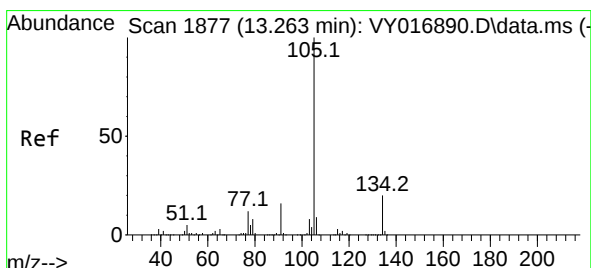
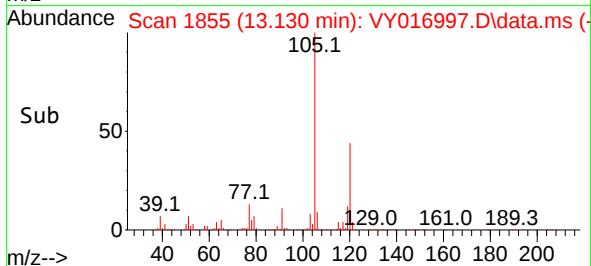
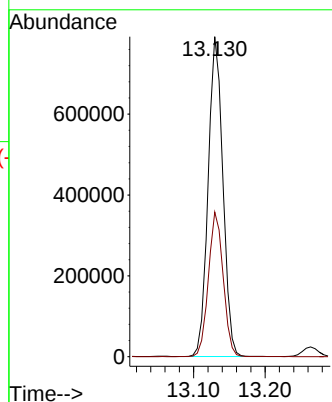
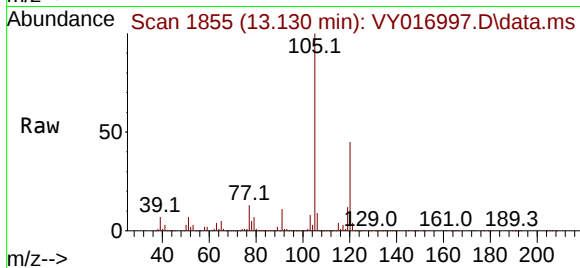
360

Tgt Ion:105 Resp: 1133015

Ion Ratio Lower Upper

105 100

120 45.3 22.1 66.3



#85

sec-Butylbenzene

Concen: 4.957 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.001 min

Lab File: VY016997.D

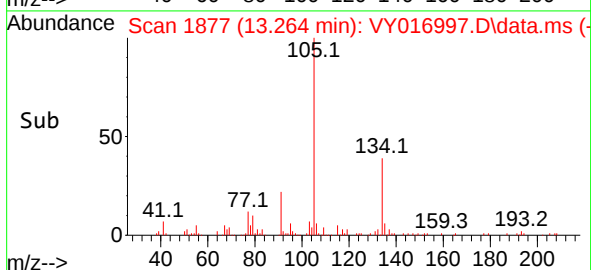
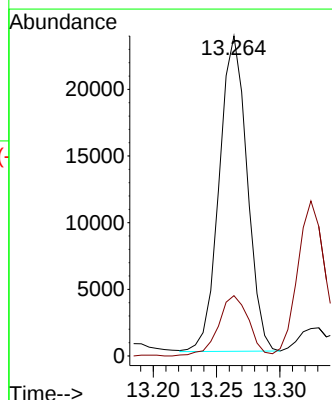
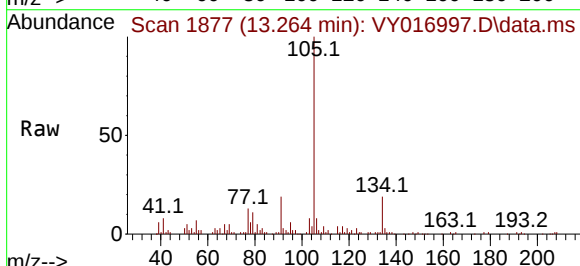
Acq: 12 Jan 2024 16:55

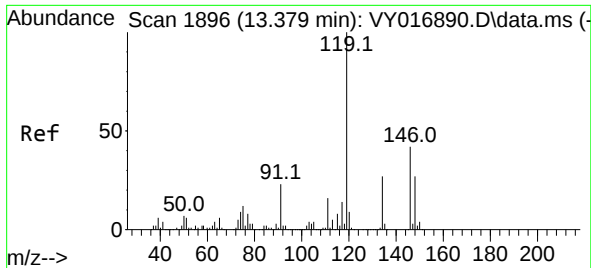
Tgt Ion:105 Resp: 36240

Ion Ratio Lower Upper

105 100

134 20.8 9.7 28.9





#86
 p-Isopropyltoluene
 Concen: 12.405 ug/l
 RT: 13.380 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VY016997.D
 Acq: 12 Jan 2024 16:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 360

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.1	13.1	39.1
91	0.0	11.7	35.0

