

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011024\
 Data File : VY016971.D
 Acq On : 10 Jan 2024 14:27
 Operator : SY/MD
 Sample : P1086-02RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 332RE

Quant Time: Jan 11 00:12:34 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)

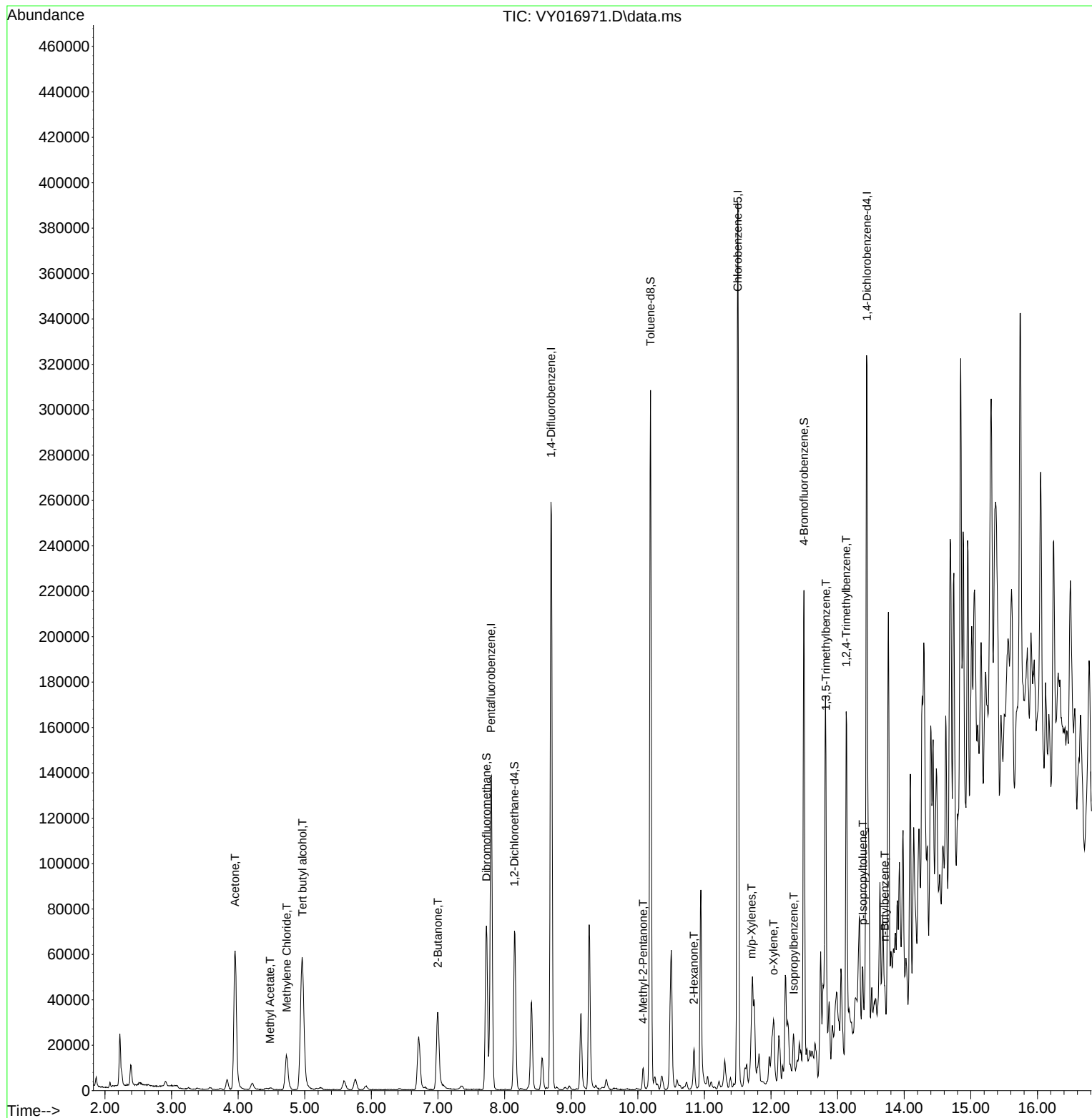
Internal Standards						
1) Pentafluorobenzene	7.795	168	105494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	227783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	207149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	74907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	52010	49.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.728	113	53582	36.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	73.820%		
50) Toluene-d8	10.191	98	193324	38.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	77.360%		
62) 4-Bromofluorobenzene	12.495	95	62763	37.218	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	113530	1687.704	ug/l	97
16) Acetone	3.954	43	112057	455.945	ug/l	98
18) Methyl Acetate	4.478	43	1727	1.546	ug/l	93
20) Methylene Chloride	4.728	84	10930	1.279	ug/l	94
25) 2-Butanone	6.996	43	52132	142.338	ug/l	97
51) 4-Methyl-2-Pentanone	10.081	43	6746	6.891	ug/l	94
59) 2-Hexanone	10.843	43	12149	16.853	ug/l	95
68) m/p-Xylenes	11.709	106	7875	2.762	ug/l	96
69) o-Xylene	12.038	106	5382	2.013	ug/l	98
73) Isopropylbenzene	12.343	105	7455	1.219	ug/l	97
80) 1,3,5-Trimethylbenzene	12.825	105	18182	3.758	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	78820	16.544	ug/l	100
86) p-Isopropyltoluene	13.379	119	8875	1.703	ug/l	96
89) n-Butylbenzene	13.708	91	5366	1.071	ug/l #	70

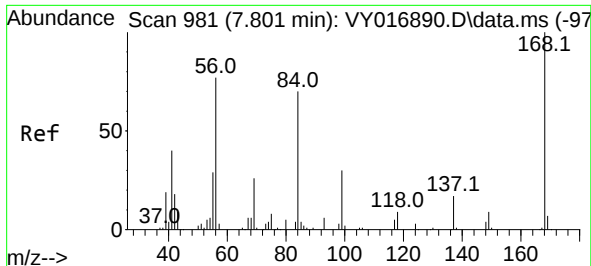
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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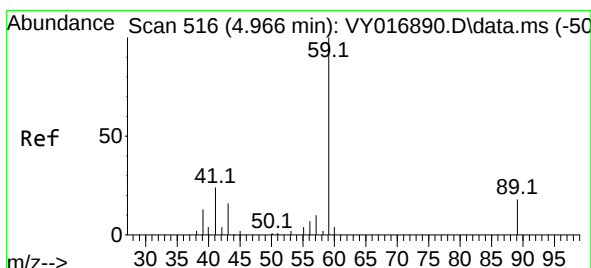
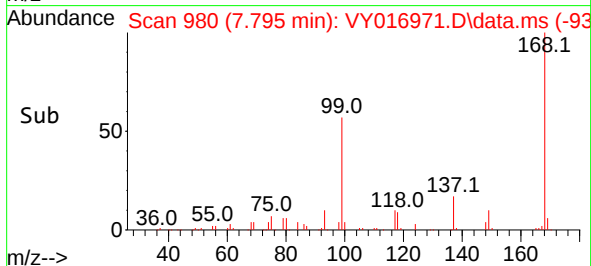
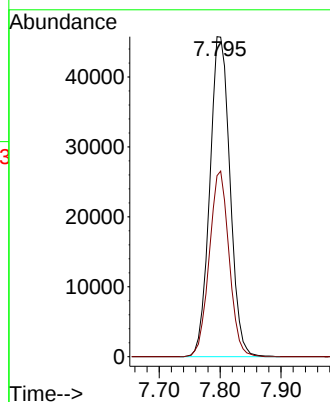
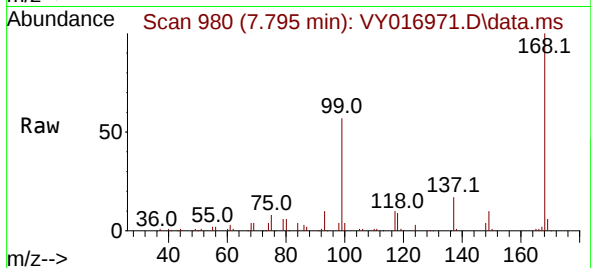




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

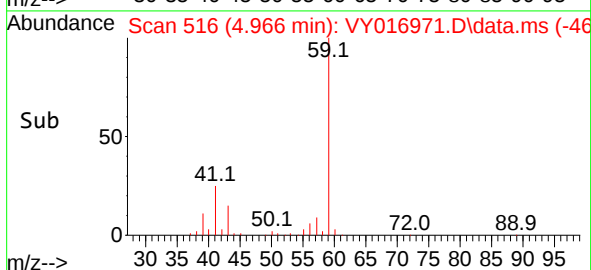
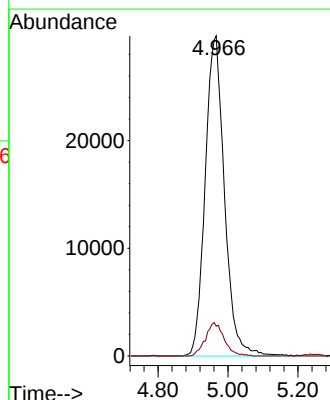
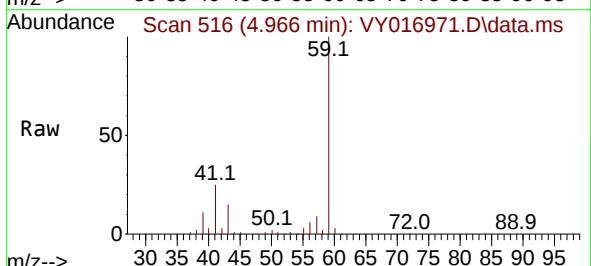
Instrument :
MSVOA_Y
ClientSampleId :
332RE

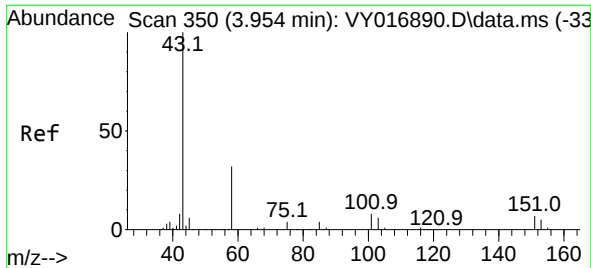
Tgt Ion:168 Resp: 105494
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 1687.704 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Tgt Ion: 59 Resp: 113530
Ion Ratio Lower Upper
59 100
57 10.1 7.4 11.0

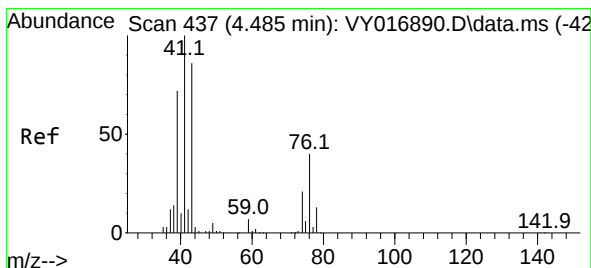
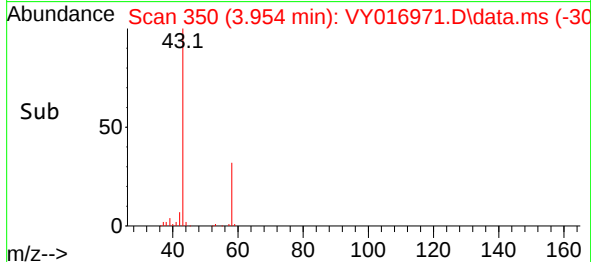
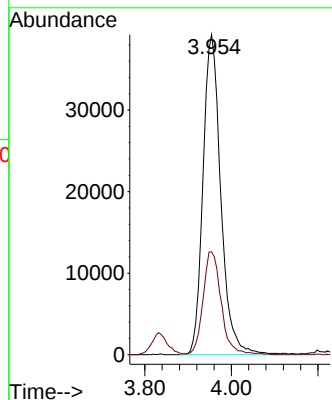
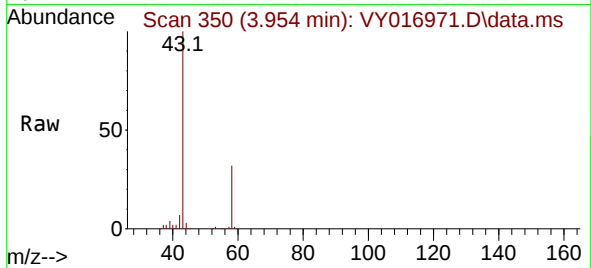




#16
Acetone
Concen: 455.945 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

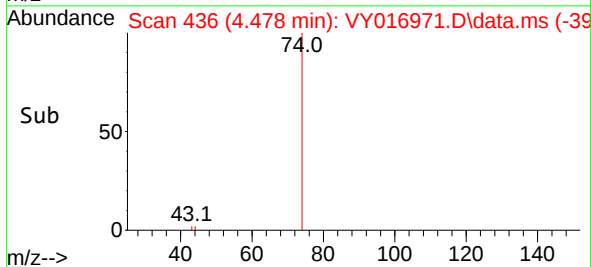
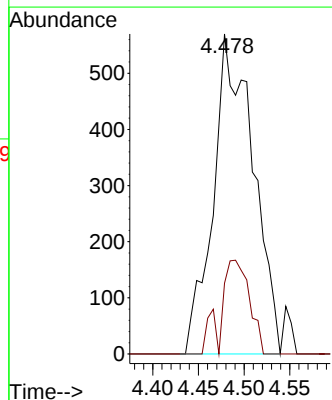
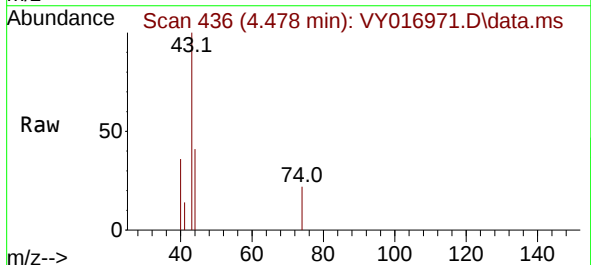
Instrument :
MSVOA_Y
ClientSampleId :
332RE

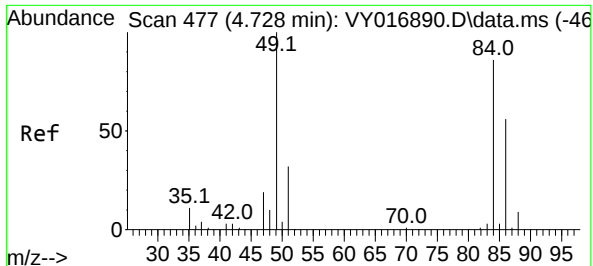
Tgt Ion: 43 Resp: 112057
Ion Ratio Lower Upper
43 100
58 32.1 26.6 39.8



#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.019 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Tgt Ion: 43 Resp: 1727
Ion Ratio Lower Upper
43 100
74 21.4 19.8 29.6





#20

Methylene Chloride

Concen: 1.279 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY016971.D

Acq: 10 Jan 2024 14:27

Instrument :

MSVOA_Y

ClientSampleId :

332RE

Tgt Ion: 84 Resp: 10930

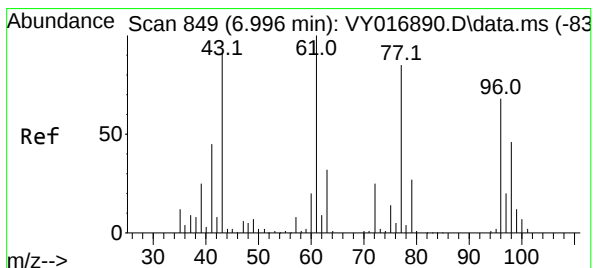
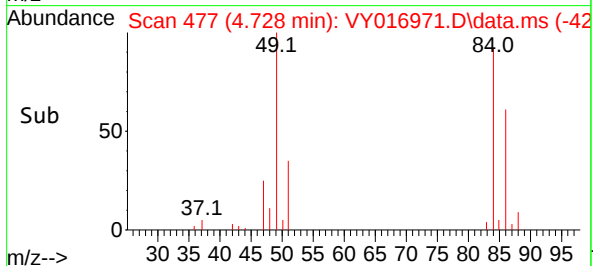
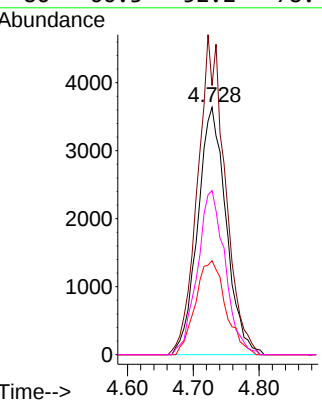
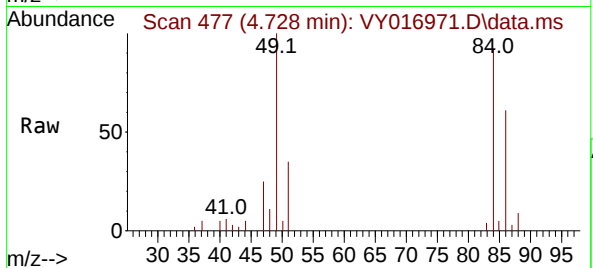
Ion Ratio Lower Upper

84 100

49 108.7 95.2 142.8

51 37.9 29.9 44.9

86 66.3 52.2 78.4



#25

2-Butanone

Concen: 142.338 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016971.D

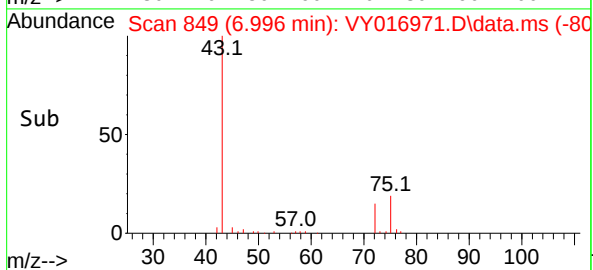
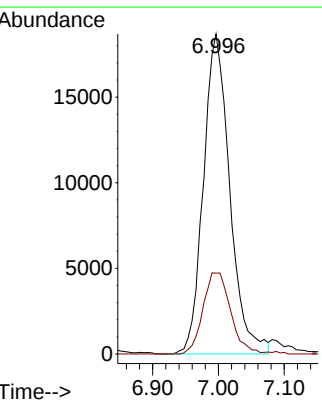
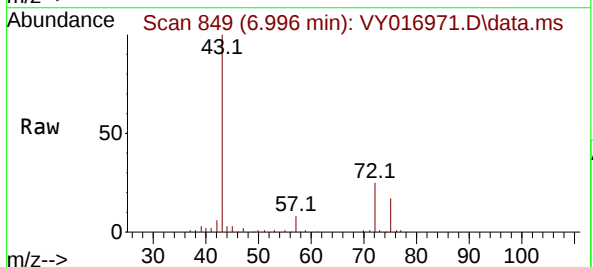
Acq: 10 Jan 2024 14:27

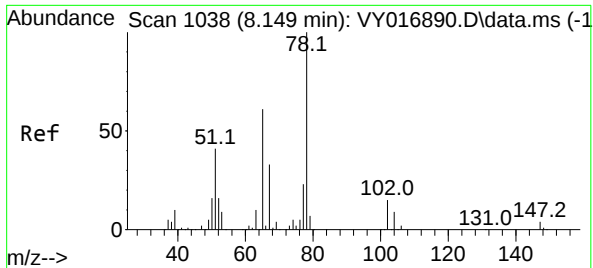
Tgt Ion: 43 Resp: 52132

Ion Ratio Lower Upper

43 100

72 25.3 21.4 32.2

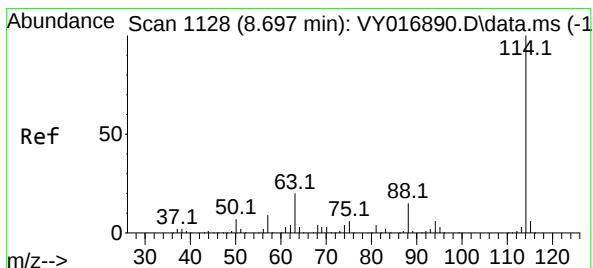
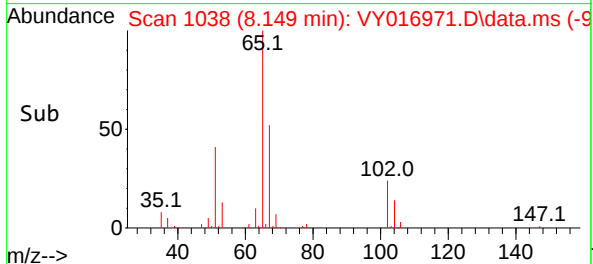
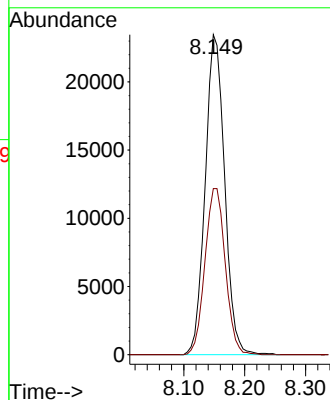
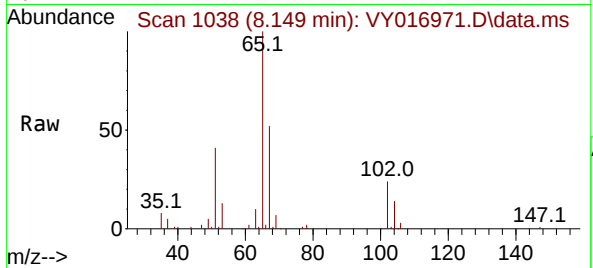




#33
 1,2-Dichloroethane-d4
 Concen: 49.882 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY016971.D
 Acq: 10 Jan 2024 14:27

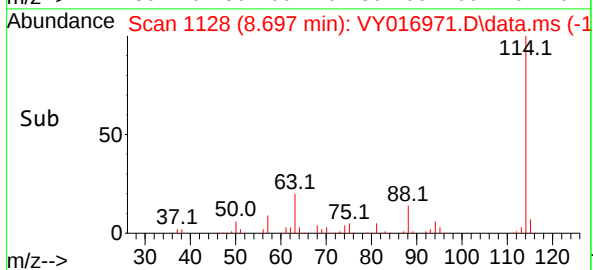
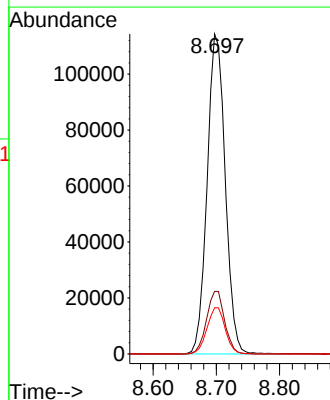
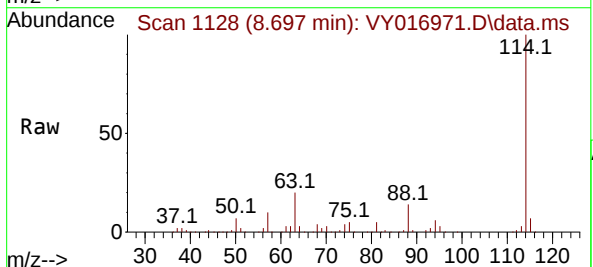
Instrument :
 MSVOA_Y
 ClientSampleId :
 332RE

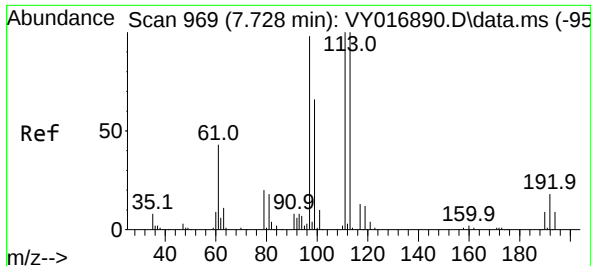
Tgt Ion: 65 Resp: 52010
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016971.D
 Acq: 10 Jan 2024 14:27

Tgt Ion: 114 Resp: 227783
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.4
 88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 36.914 ug/l

RT: 7.728 min Scan# 90

Delta R.T. -0.000 min

Lab File: VY016971.D

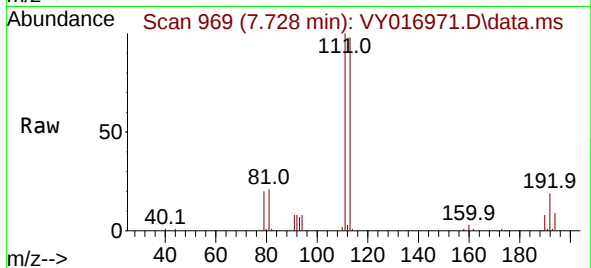
Acq: 10 Jan 2024 14:27

Instrument :

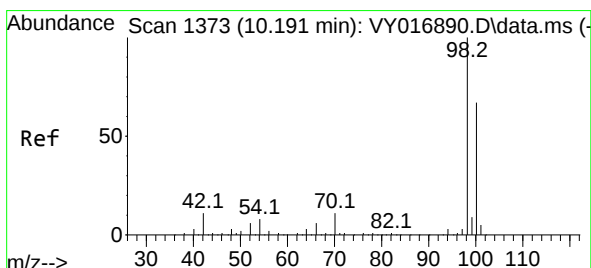
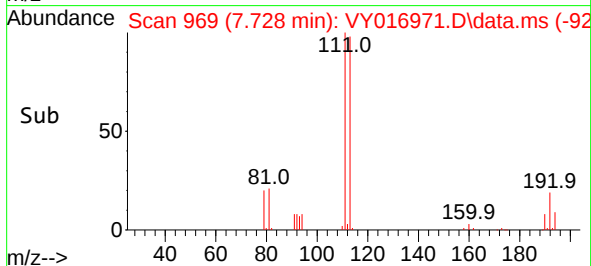
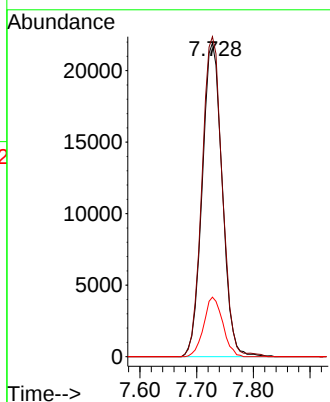
MSVOA_Y

ClientSampleId :

332RE



Tgt Ion:	113	Resp:	53582
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.8	125.6
192	18.1	14.5	21.7



#50

Toluene-d8

Concen: 38.678 ug/l

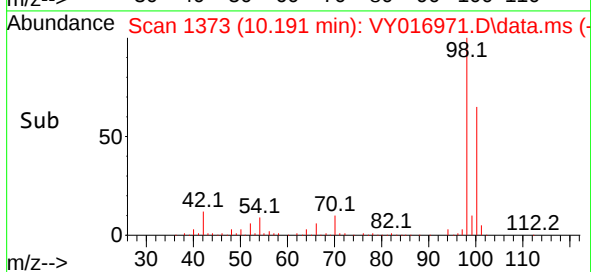
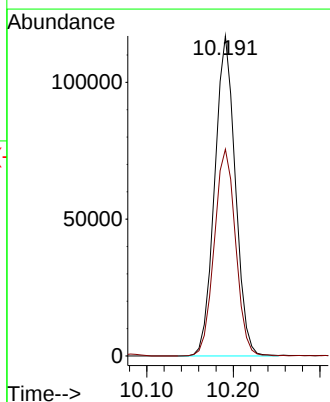
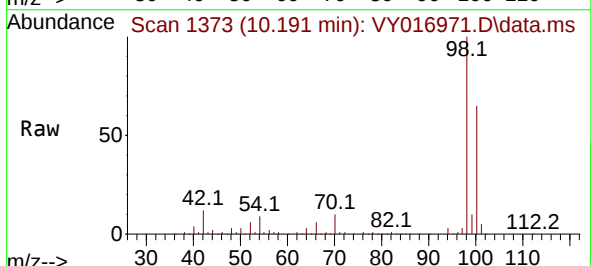
RT: 10.191 min Scan# 1373

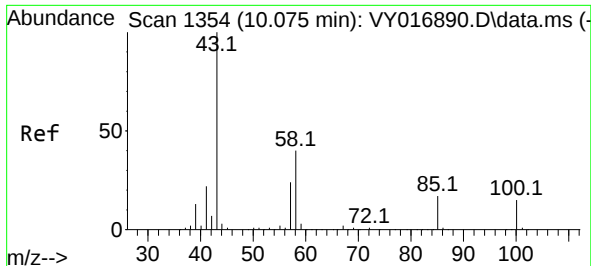
Delta R.T. -0.000 min

Lab File: VY016971.D

Acq: 10 Jan 2024 14:27

Tgt Ion:	98	Resp:	193324
Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 6.891 ug/l

RT: 10.081 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016971.D

Acq: 10 Jan 2024 14:27

Instrument :

MSVOA_Y

ClientSampleId :

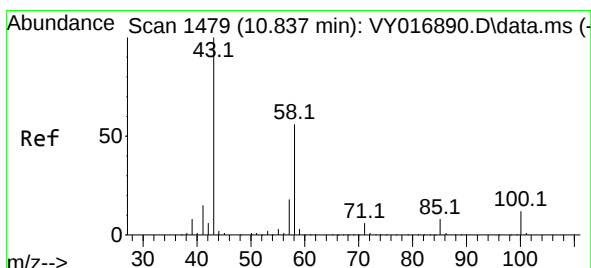
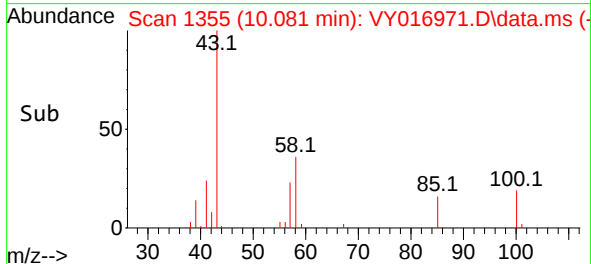
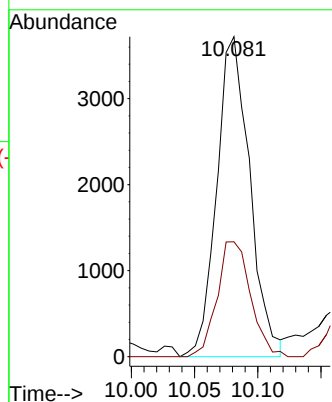
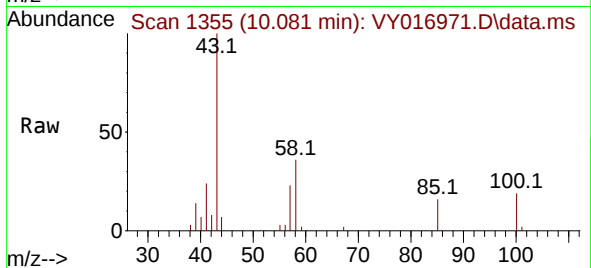
332RE

Tgt Ion: 43 Resp: 6746

Ion Ratio Lower Upper

43 100

58 36.4 32.2 48.2



#59

2-Hexanone

Concen: 16.853 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. 0.000 min

Lab File: VY016971.D

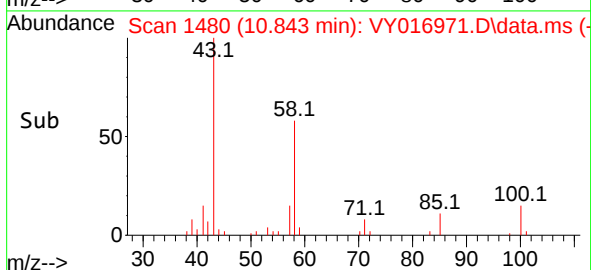
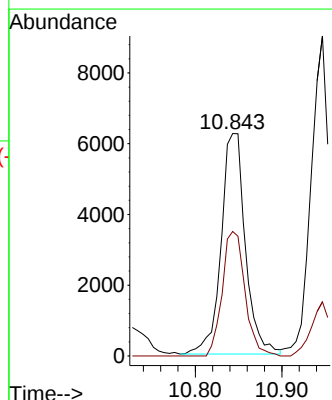
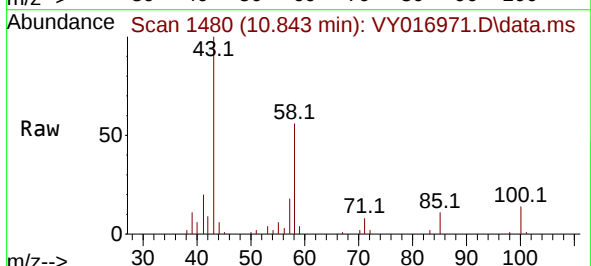
Acq: 10 Jan 2024 14:27

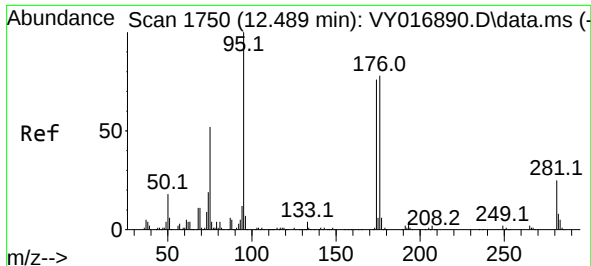
Tgt Ion: 43 Resp: 12149

Ion Ratio Lower Upper

43 100

58 52.8 28.1 84.3

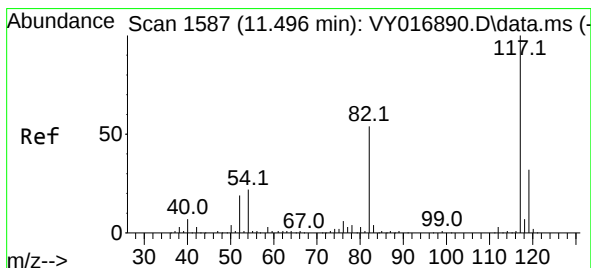
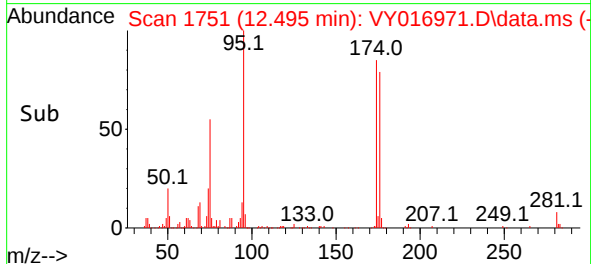
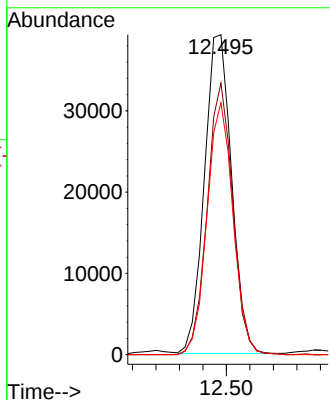
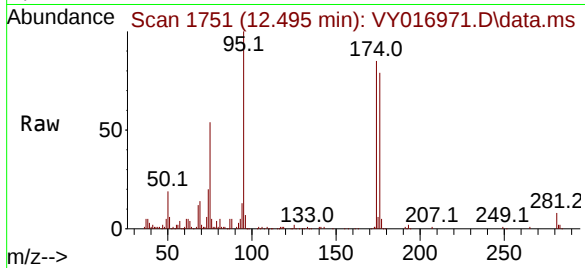




#62
4-Bromofluorobenzene
Concen: 37.218 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

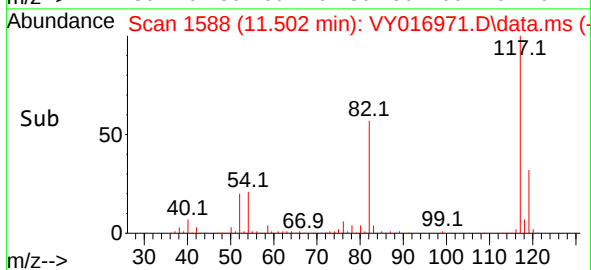
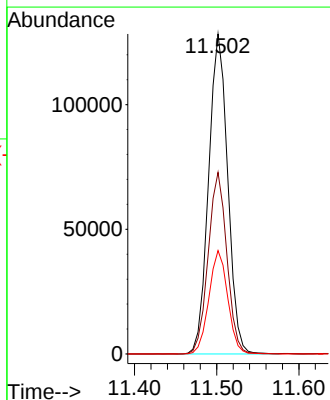
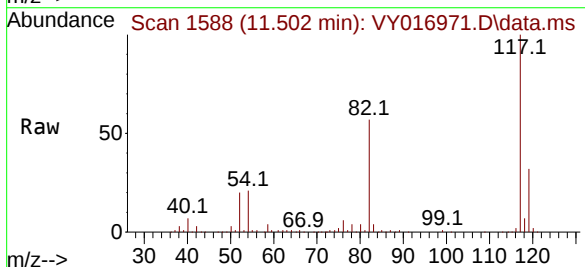
Instrument :
MSVOA_Y
ClientSampleId :
332RE

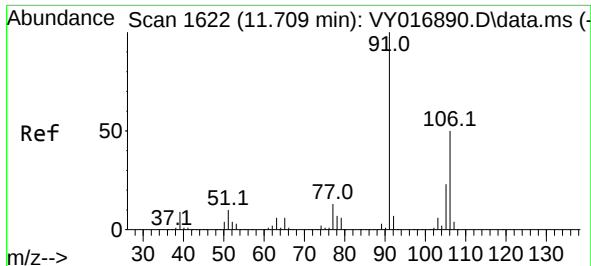
Tgt Ion: 95 Resp: 62763
Ion Ratio Lower Upper
95 100
174 81.0 0.0 160.0
176 75.9 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Tgt Ion: 117 Resp: 207149
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.8
119 32.3 26.5 39.7

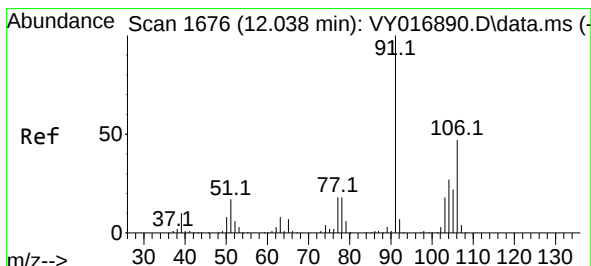
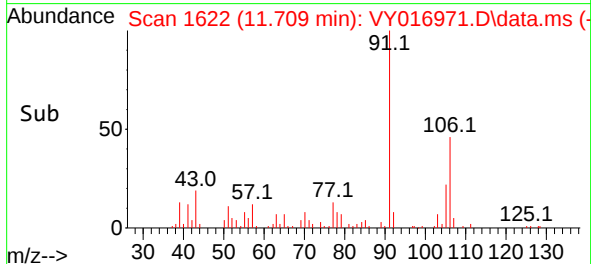
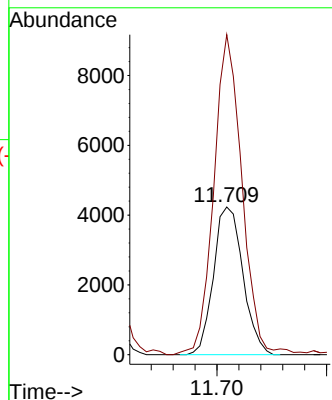
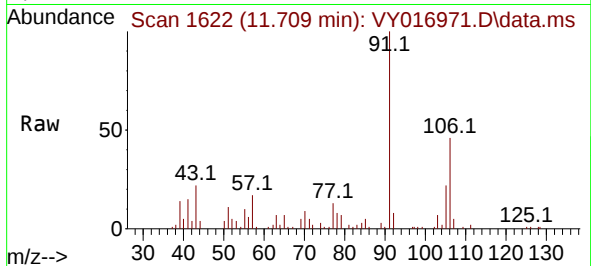




#68
m/p-Xylenes
Concen: 2.762 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

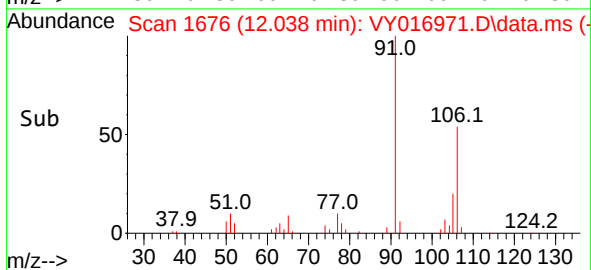
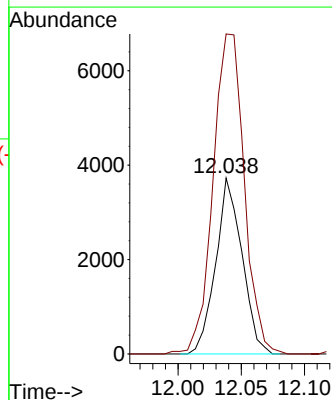
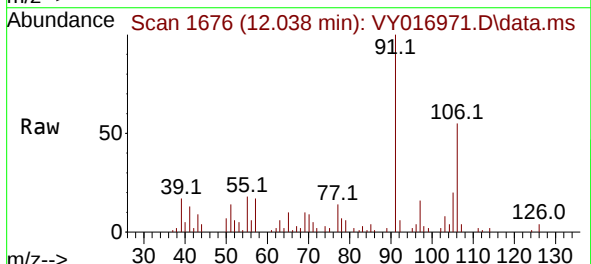
Instrument :
MSVOA_Y
ClientSampleId :
332RE

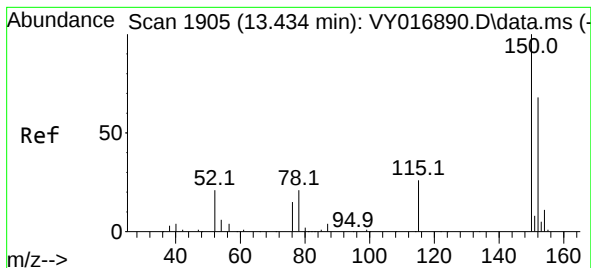
Tgt Ion:106 Resp: 7875
Ion Ratio Lower Upper
106 100
91 207.7 160.7 241.1



#69
o-Xylene
Concen: 2.013 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Tgt Ion:106 Resp: 5382
Ion Ratio Lower Upper
106 100
91 216.3 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016971.D

Acq: 10 Jan 2024 14:27

Instrument :

MSVOA_Y

ClientSampleId :

332RE

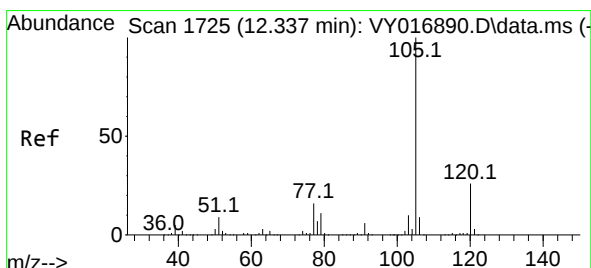
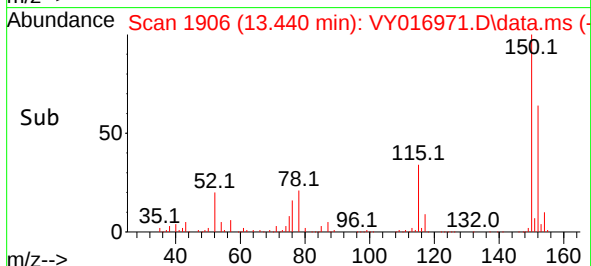
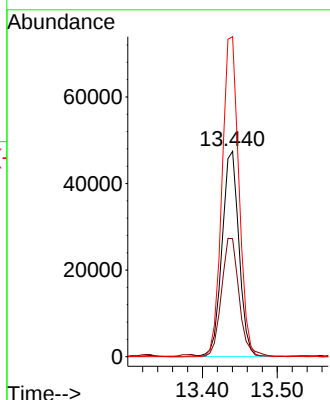
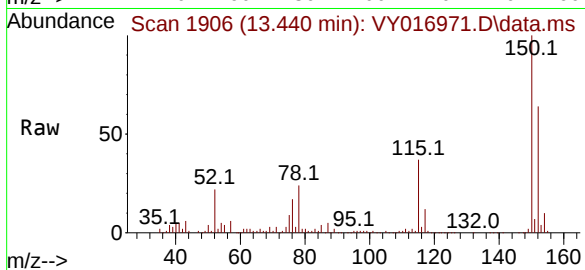
Tgt Ion:152 Resp: 74907

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 154.9 0.0 344.6



#73

Isopropylbenzene

Concen: 1.219 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.006 min

Lab File: VY016971.D

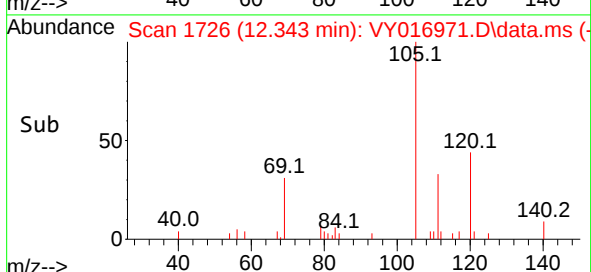
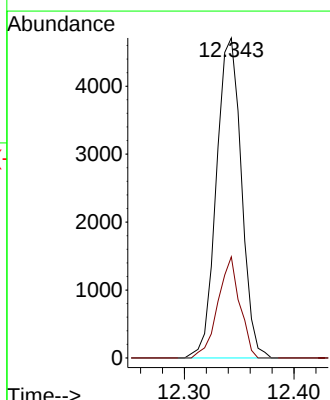
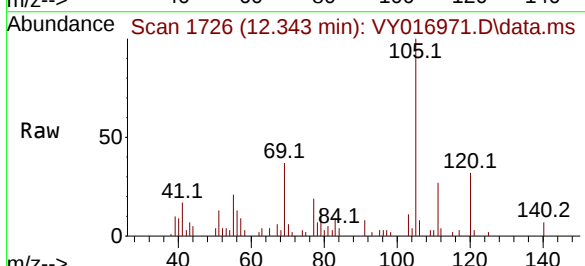
Acq: 10 Jan 2024 14:27

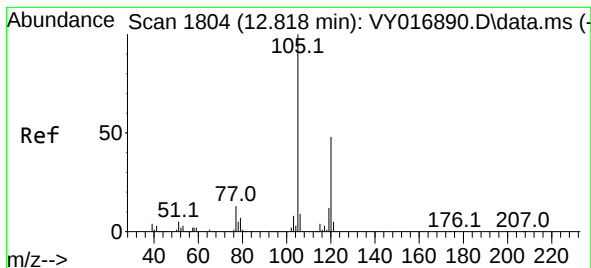
Tgt Ion:105 Resp: 7455

Ion Ratio Lower Upper

105 100

120 27.8 13.0 39.0





#80

1,3,5-Trimethylbenzene

Concen: 3.758 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.007 min

Lab File: VY016971.D

Acq: 10 Jan 2024 14:27

Instrument :

MSVOA_Y

ClientSampleId :

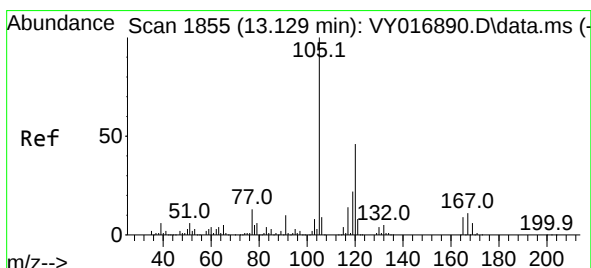
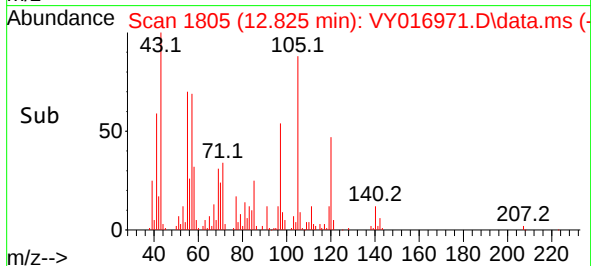
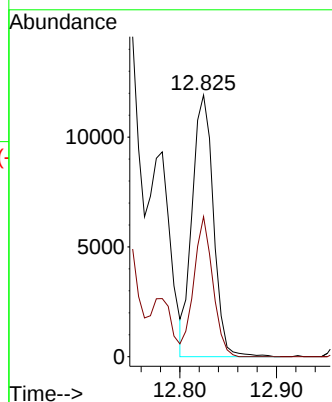
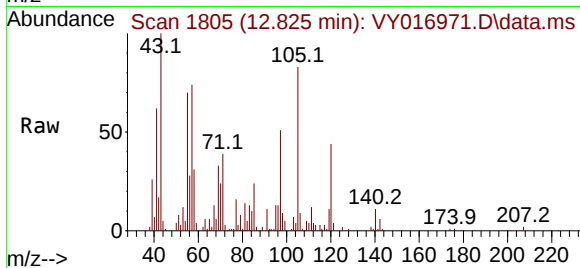
332RE

Tgt Ion:105 Resp: 18182

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 16.544 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016971.D

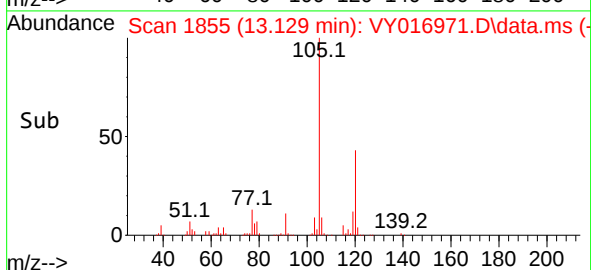
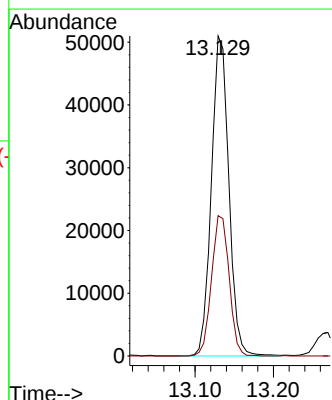
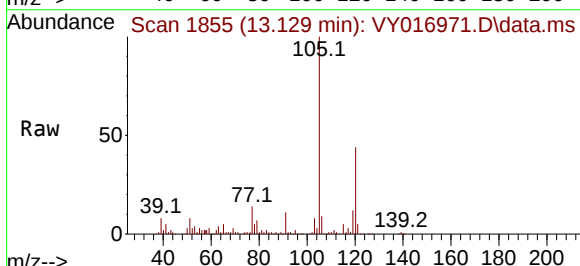
Acq: 10 Jan 2024 14:27

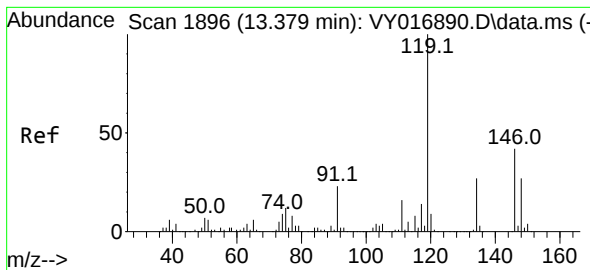
Tgt Ion:105 Resp: 78820

Ion Ratio Lower Upper

105 100

120 44.2 22.1 66.3

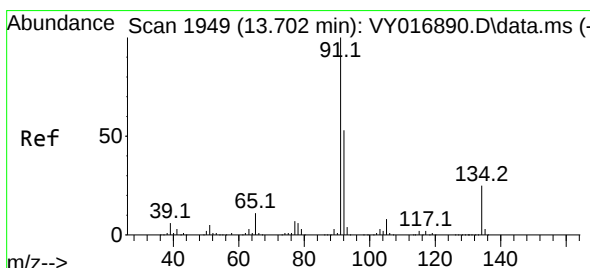
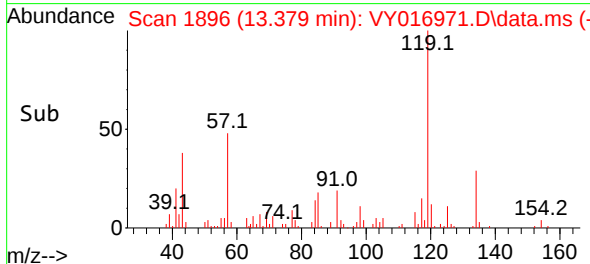
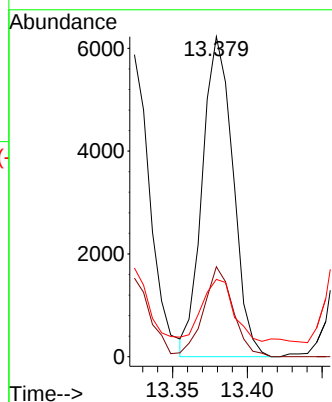
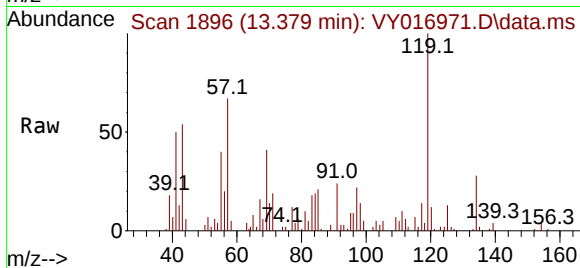




#86
p-Isopropyltoluene
Concen: 1.703 ug/l
RT: 13.379 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Instrument :
MSVOA_Y
ClientSampleId :
332RE

Tgt Ion:119 Resp: 8875
Ion Ratio Lower Upper
119 100
134 27.2 13.1 39.1
91 20.2 11.7 35.0



#89
n-Butylbenzene
Concen: 1.071 ug/l
RT: 13.708 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VY016971.D
Acq: 10 Jan 2024 14:27

Tgt Ion: 91 Resp: 5366
Ion Ratio Lower Upper
91 100
92 67.5 26.4 79.2
134 0.0 12.3 36.8#

