

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX063018\
 Data File : VX003089.D
 Acq On : 30 Jun 2018 19:49
 Operator : JC/MD
 Sample : J3738-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0041

Manual Integrations
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Quant Time: Jul 02 04:19:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379197	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	171902	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.86%		
35) Dibromofluoromethane	5.51	113	140623	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.66%		
50) Toluene-d8	8.72	98	534502	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.48%		
62) 4-Bromofluorobenzene	11.14	95	198136	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.70%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	7186	4.69	ug/l	99
25) 2-Butanone	4.71	43	3337	1.47	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1981	0.61	ug/l #	1
31) Cyclohexane	5.58	56	39056	8.41	ug/l	98
39) Methylcyclohexane	7.46	83	122634	25.32	ug/l	93
40) Benzene	6.15	78	16269	1.35	ug/l	92
52) Toluene	8.79	92	2031	0.26	ug/l	91
67) Ethyl Benzene	10.26	91	7652993	510.09	ug/l	95
68) m/p-Xylenes	10.37	106	2345166	405.58	ug/l	96
69) o-Xylene	10.70	106	3153	0.56	ug/l	89
70) Styrene	10.72	104	4926	0.54	ug/l	93
73) Isopropylbenzene	11.02	105	1580299	109.35	ug/l	100
78) n-propylbenzene	11.37	91	1520383	92.43	ug/l	99
83) tert-Butylbenzene	11.77	119	19992	1.67	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	1711779	135.74	ug/l	97
85) sec-Butylbenzene	11.95	105	227062	15.60	ug/l	85
86) p-Isopropyltoluene	12.07	119	125533	9.59	ug/l	99
89) n-Butylbenzene	12.39	91	17677m	1.55	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	2103	0.28	ug/l	91
95) Naphthalene	13.84	128	1752960	119.21	ug/l	99

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

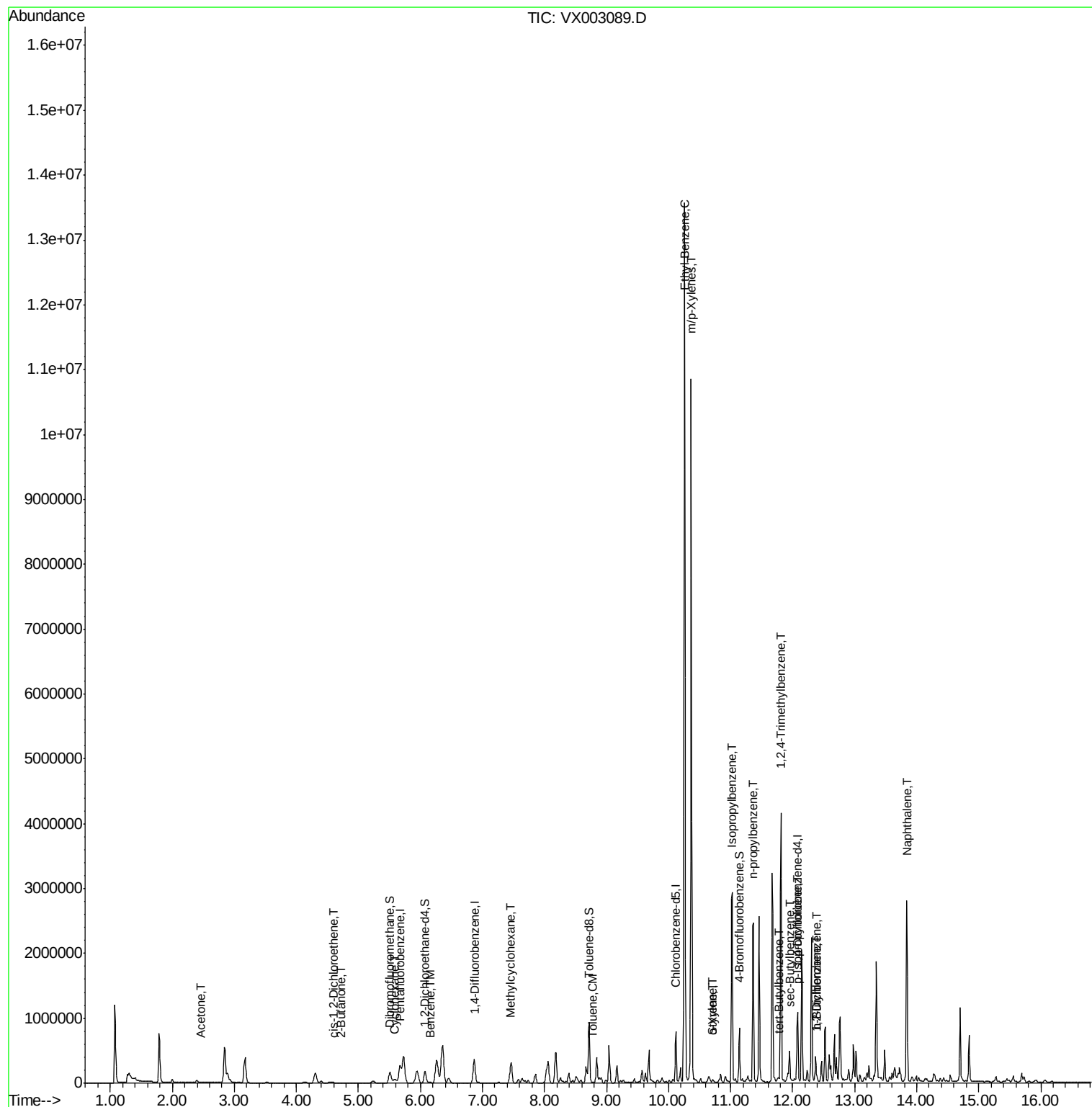
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003089.D
Acq On : 30 Jun 2018 19:49
Operator : JC/MD
Sample : J3738-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

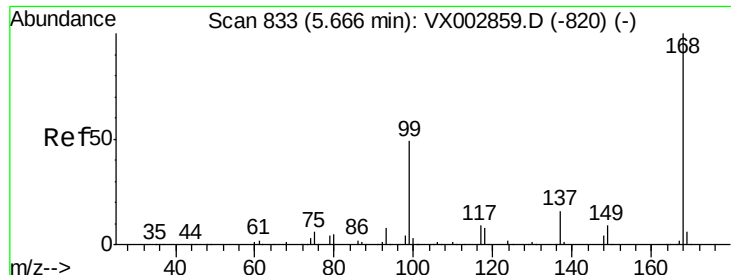
Instrument :
MSVOA_X
ClientSampleId :
S22-0041

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Quant Time: Jul 02 04:19:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

Tot Ion:168 Resp: 267860

Ion Ratio Lower Upper

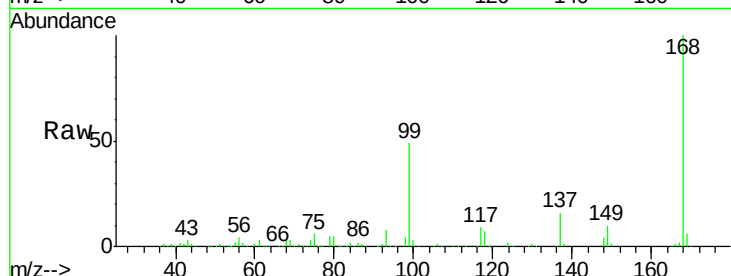
168 100

99 48.6 39.3 58.9

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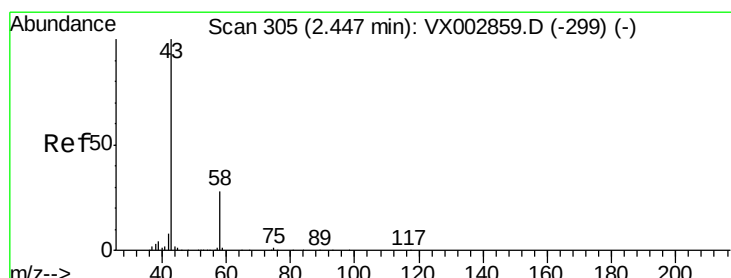
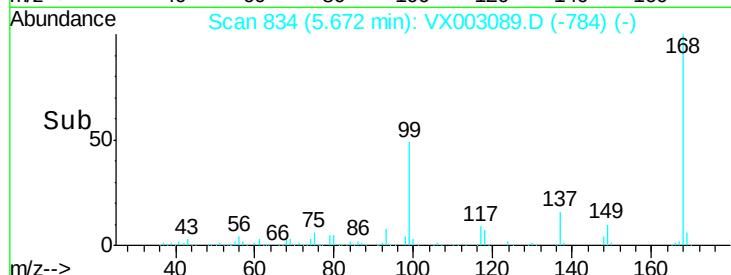
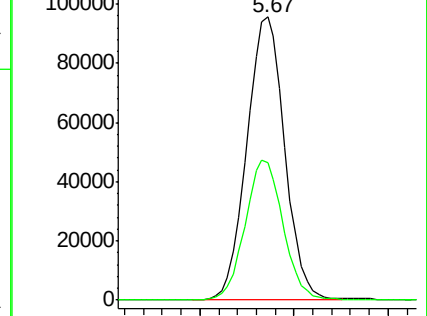
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.69 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003089.D

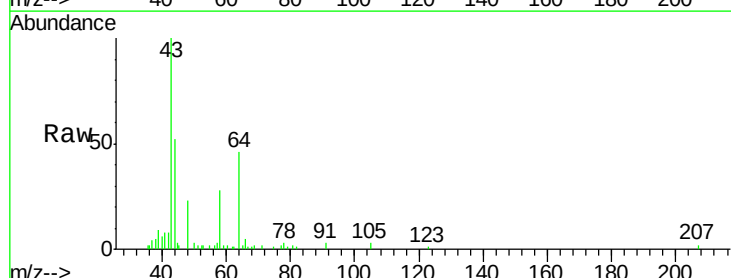
Acq: 30 Jun 2018 19:49

Tgt Ion: 43 Resp: 7186

Ion Ratio Lower Upper

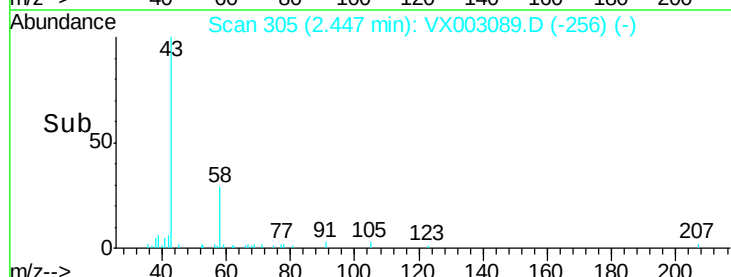
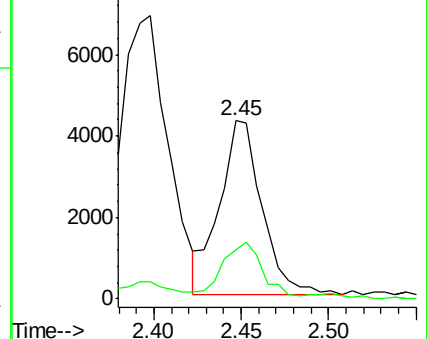
43 100

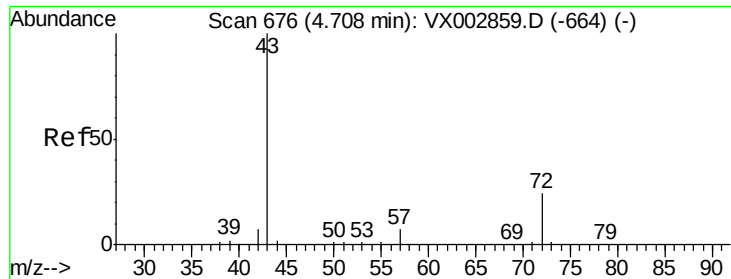
58 27.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 1.47 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

Tot Ion: 43 Resp: 3337

Ion Ratio Lower Upper

43 100

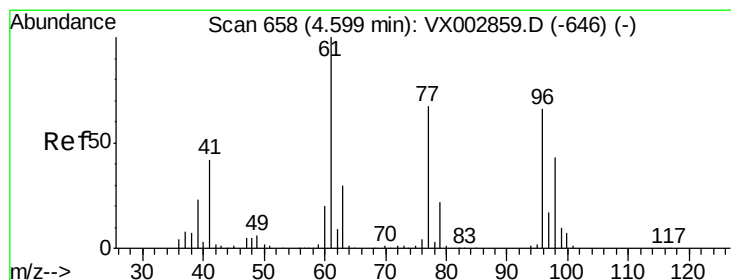
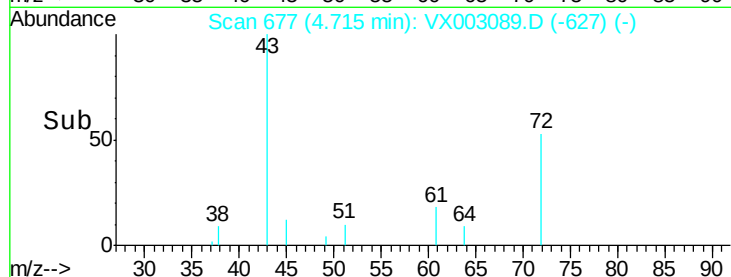
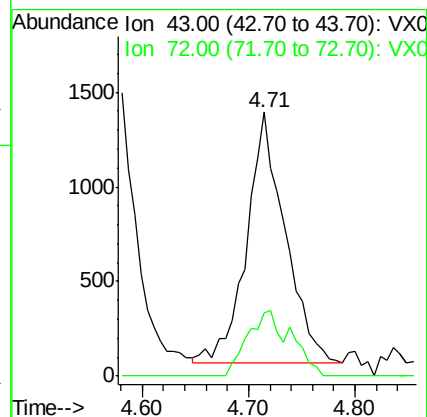
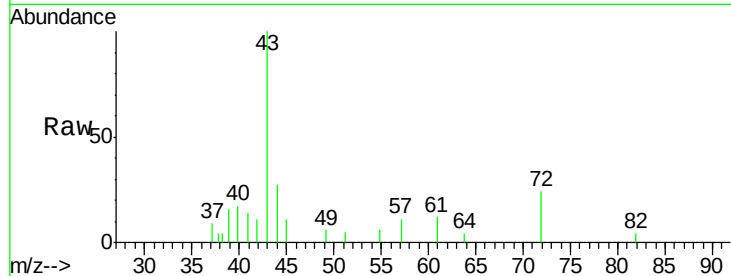
72 25.5 18.5 27.7

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#27

cis-1,2-Dichloroethene

Concen: 0.61 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

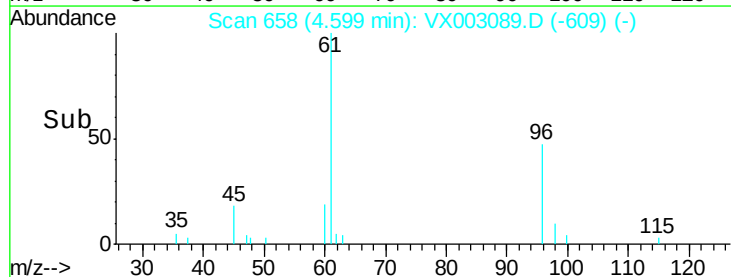
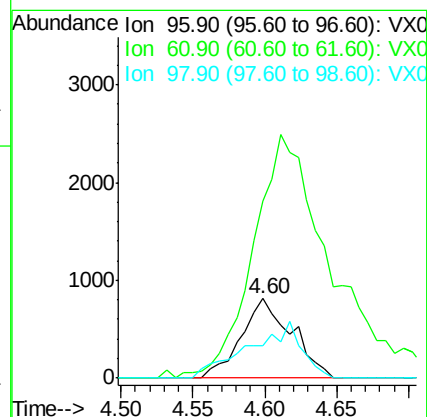
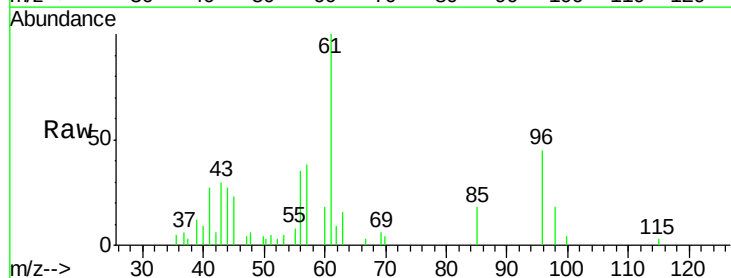
Tgt Ion: 96 Resp: 1981

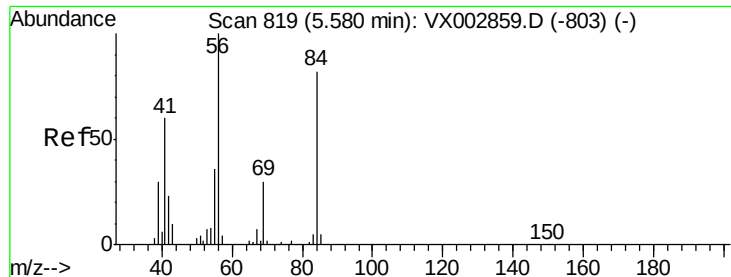
Ion Ratio Lower Upper

96 100

61 477.9 0.0 330.2#

98 73.8 0.0 130.2





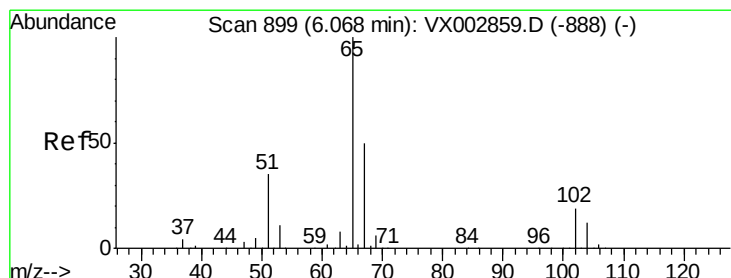
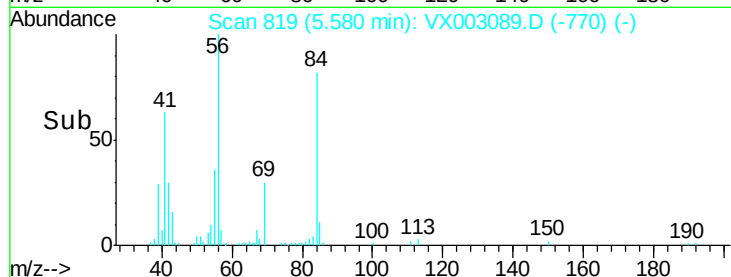
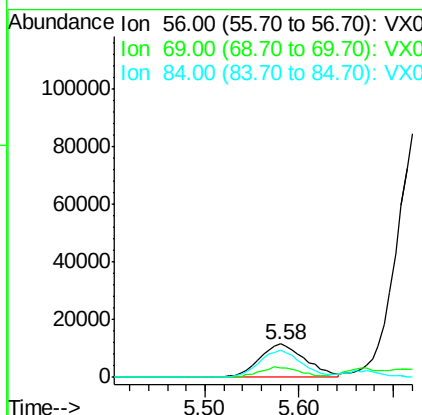
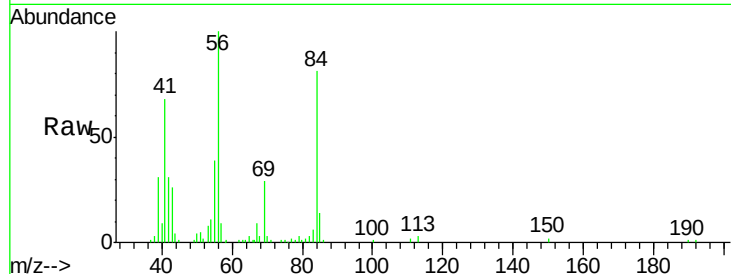
#31
Cyclohexane
Concen: 8.41 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Instrument :
MSVOA_X
ClientSampled :
S22-0041

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.7	35.5
84	81.8	64.1	96.1

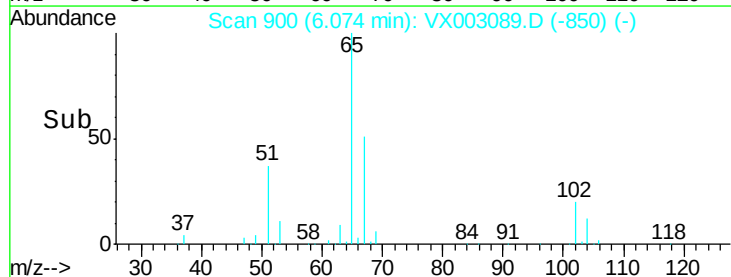
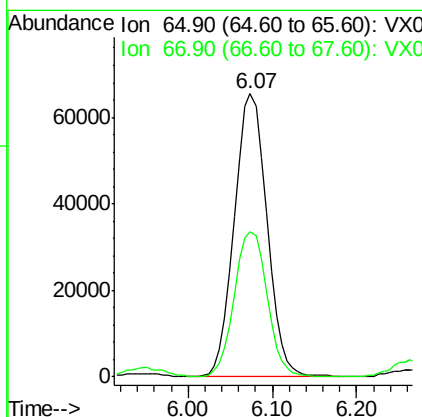
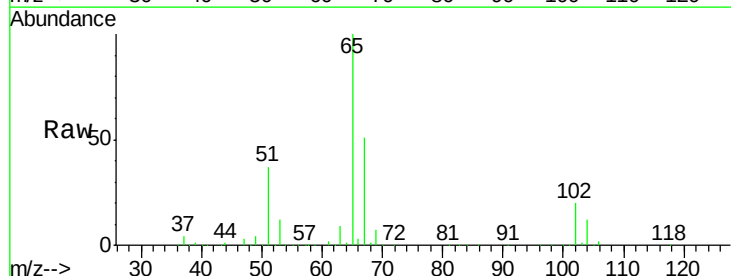
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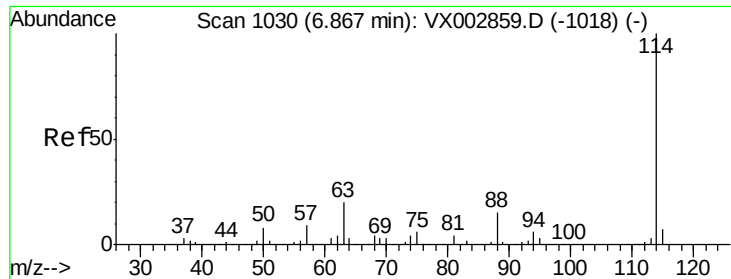
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#33
1,2-Dichloroethane-d4
Concen: 46.43 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

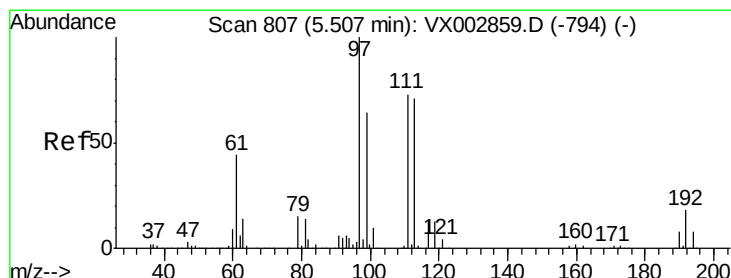
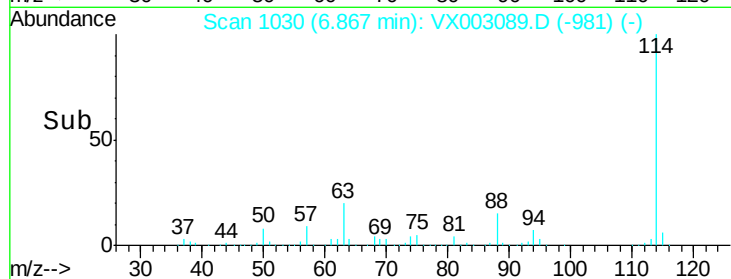
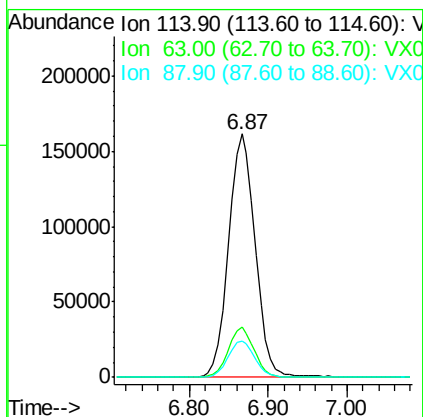
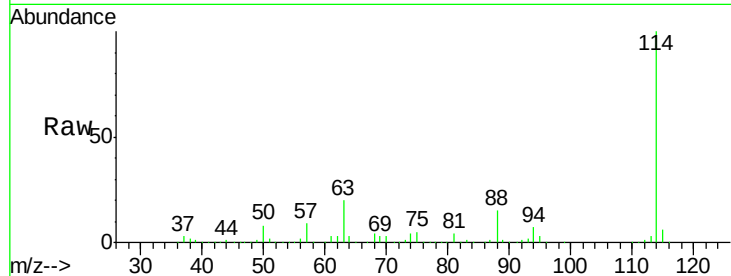
ClientSampleId :

S22-0041

Tot Ion	Ratio	Resp	Lower	Upper
114	100	379197		
63	20.4	0.0	41.4	
88	15.0	0.0	30.0	

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#35

Dibromofluoromethane

Concen: 46.83 ug/l

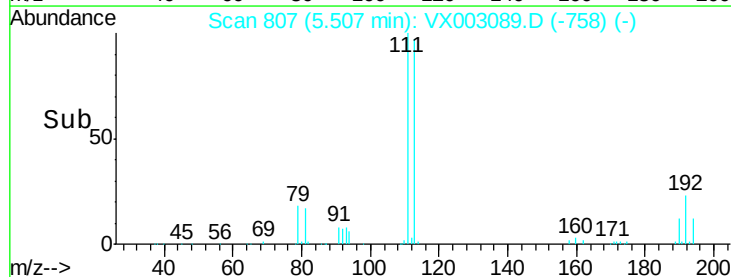
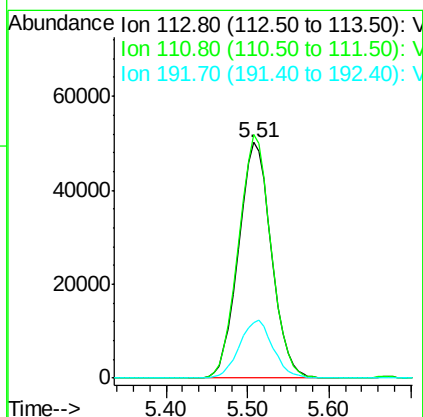
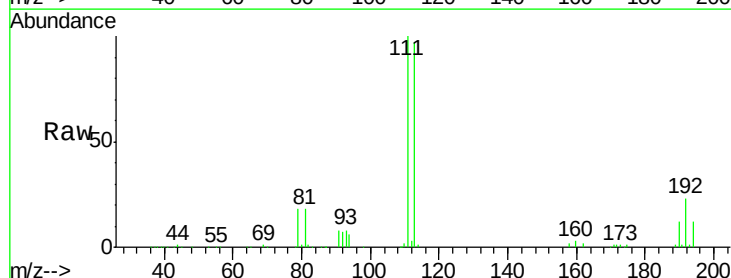
RT: 5.51 min Scan# 807

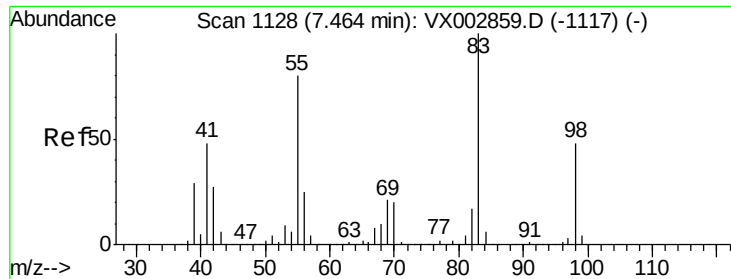
Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	140623		
111	102.1	81.4	122.0	
192	24.8	19.1	28.7	





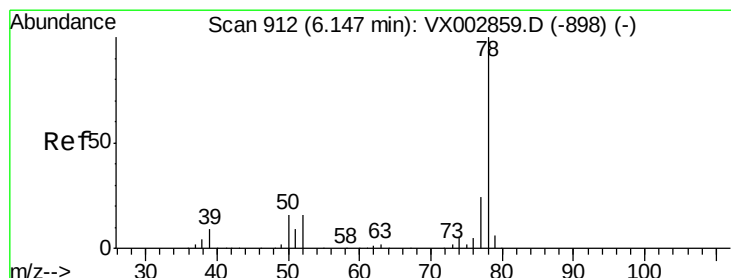
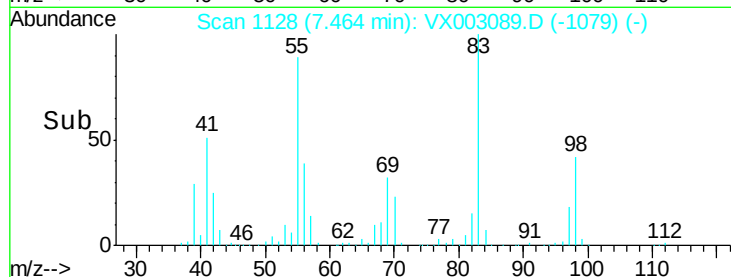
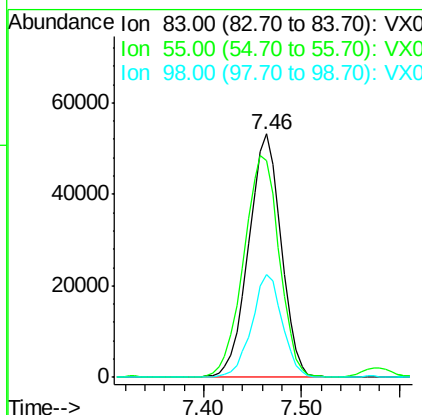
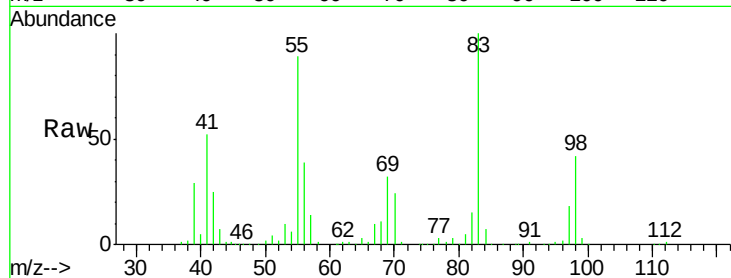
#39
Methylvlcyclohexane
Concen: 25.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
S22-0041

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122634		
55	88.9	65.4	98.0	
98	42.5	37.4	56.0	

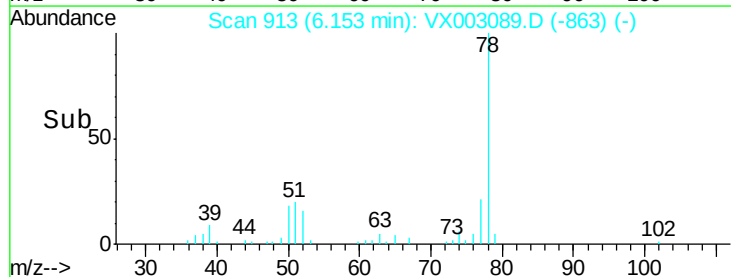
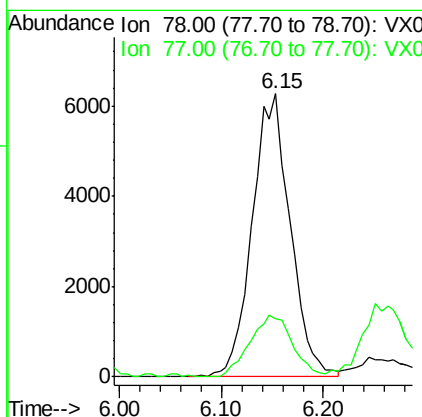
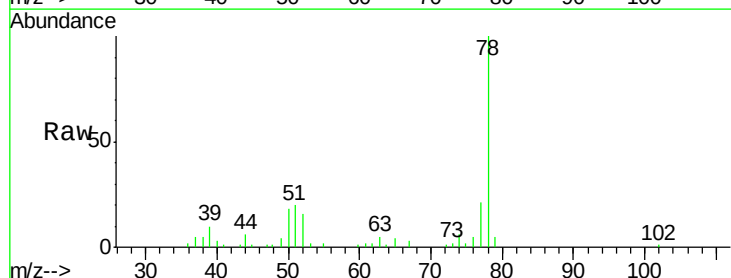
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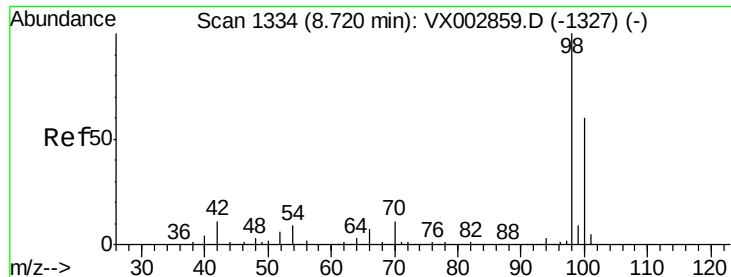
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#40
Benzene
Concen: 1.35 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	16269		
77	19.8	19.1	28.7	





#50

Toluene-d8

Concen: 48.74 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

Tot Ion: 98 Resp: 534502

Ion Ratio Lower Upper

98 100

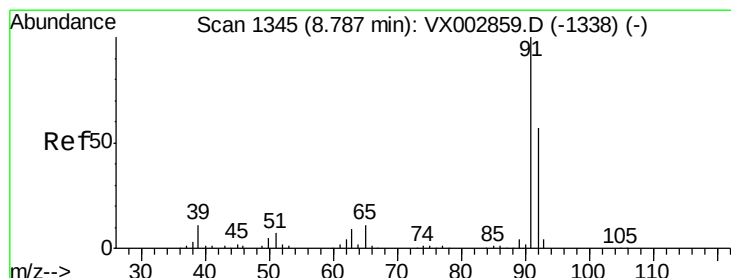
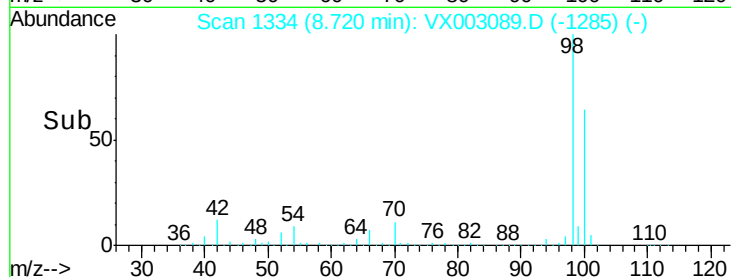
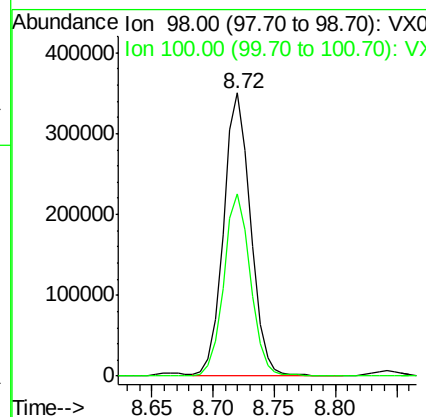
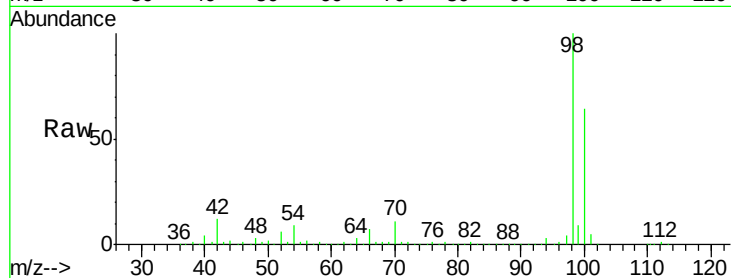
100 64.2 50.9 76.3

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#52

Toluene

Concen: 0.26 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003089.D

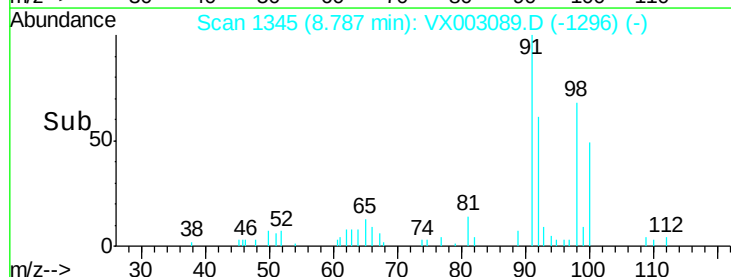
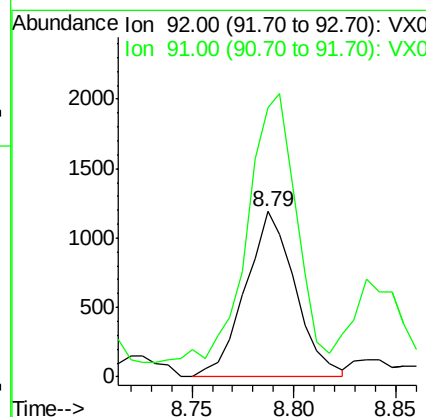
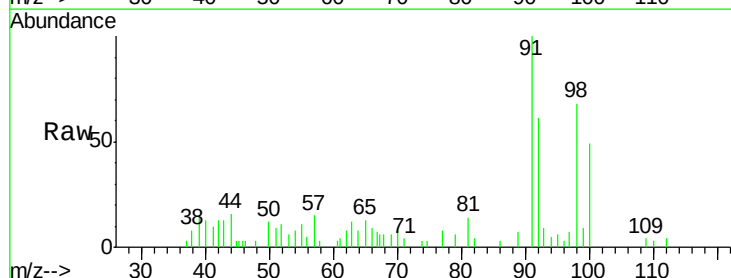
Acq: 30 Jun 2018 19:49

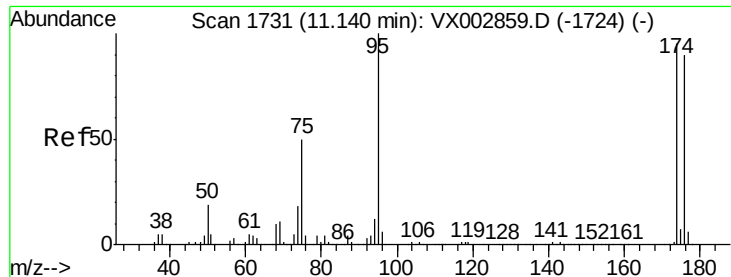
Tgt Ion: 92 Resp: 2031

Ion Ratio Lower Upper

92 100

91 163.0 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 46.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

S22-0041

Tot Ion: 95 Resp: 198136

Ion Ratio Lower Upper

95 100

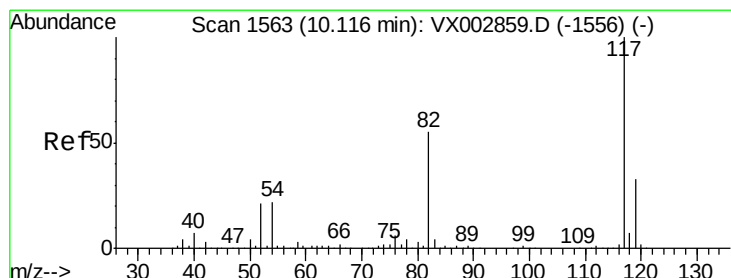
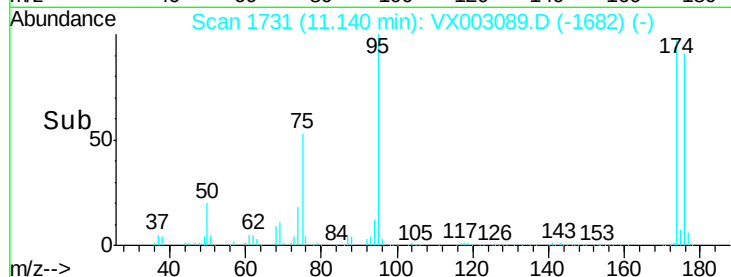
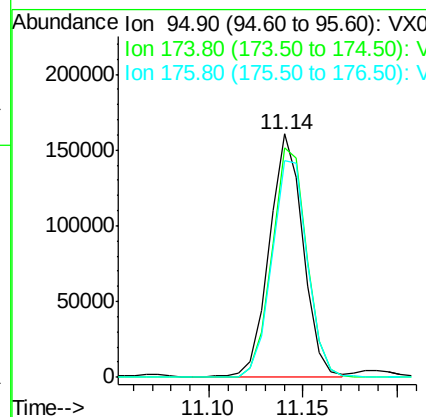
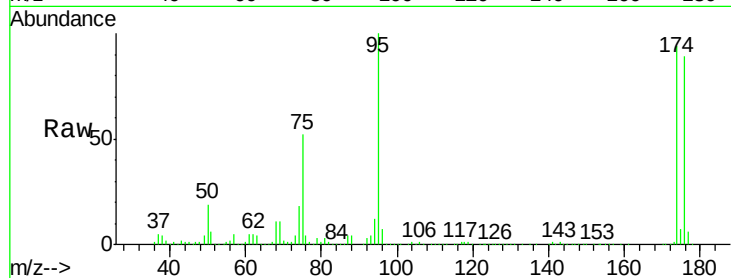
174 98.0 0.0 187.4

176 94.2 0.0 181.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

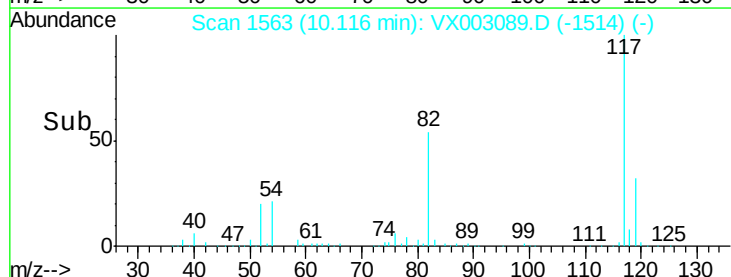
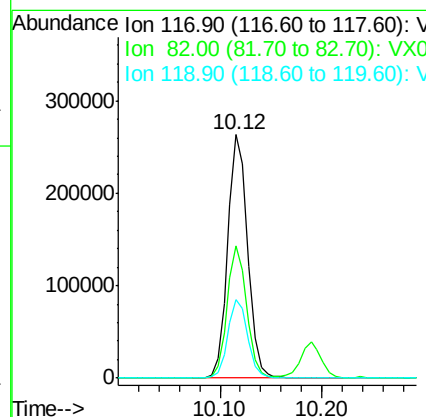
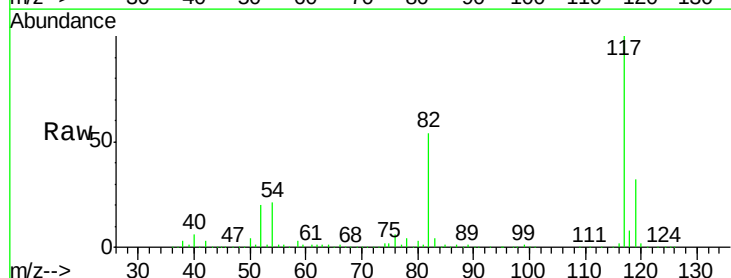
Tgt Ion: 117 Resp: 357574

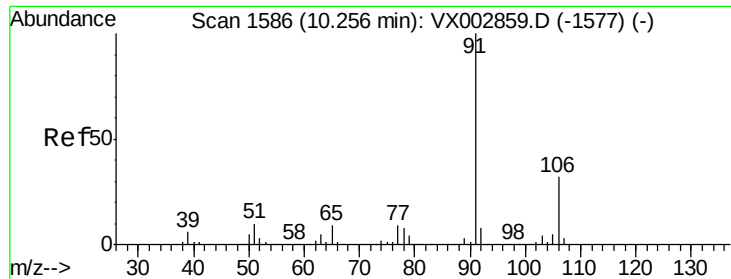
Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

119 32.0 25.8 38.6





#67

Ethyl Benzene

Concen: 510.09 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

Tot Ion: 91 Resp: 7652993

Ion Ratio Lower Upper

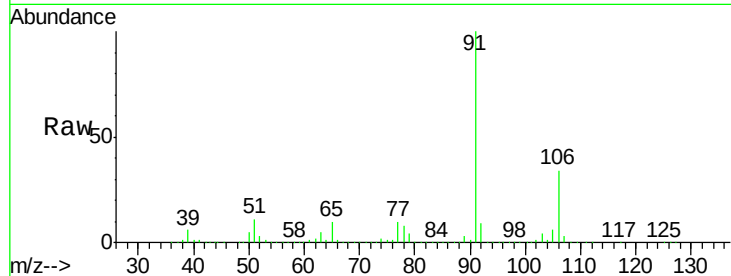
91 100

106 34.5 25.5 38.3

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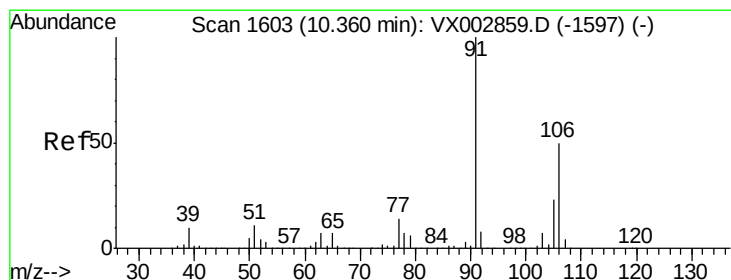
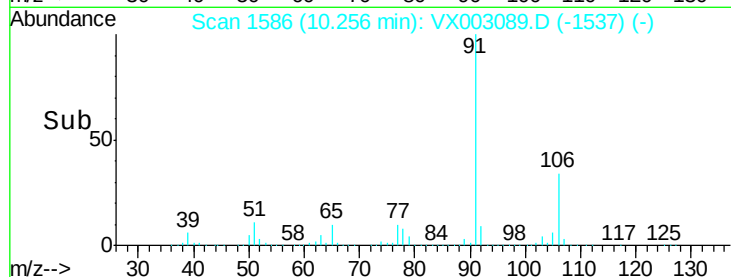
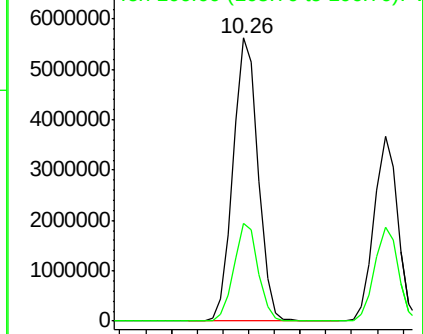
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 405.58 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003089.D

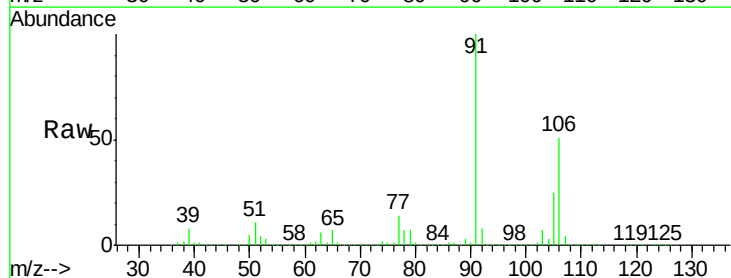
Acq: 30 Jun 2018 19:49

Tgt Ion: 106 Resp: 2345166

Ion Ratio Lower Upper

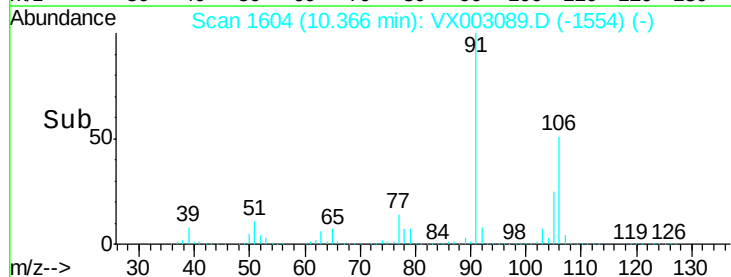
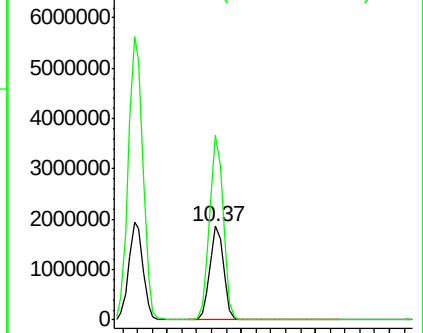
106 100

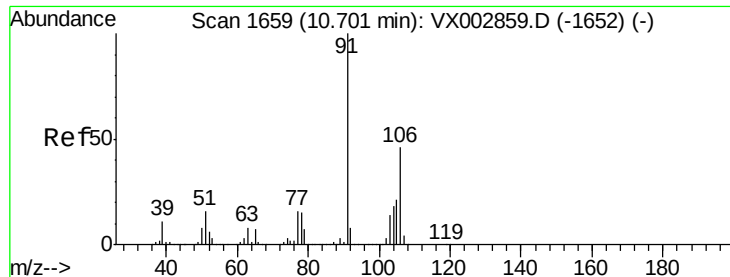
91 197.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





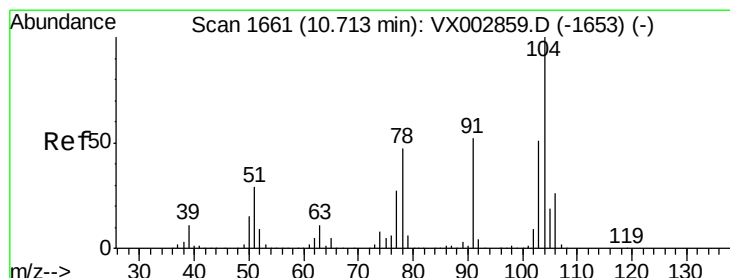
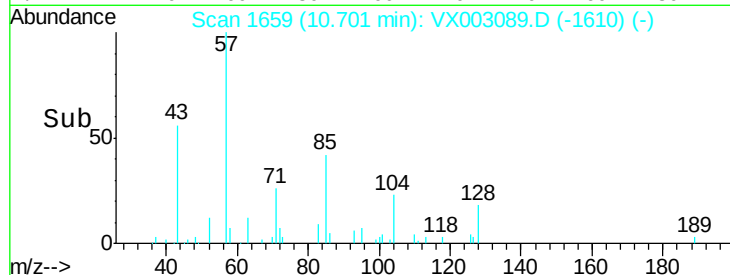
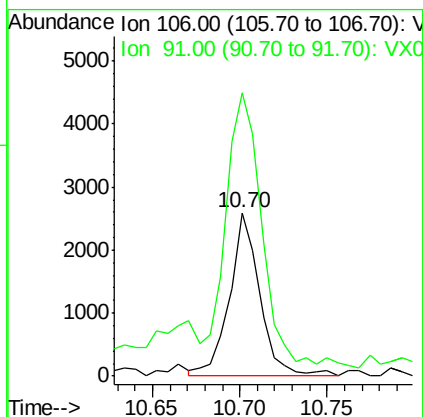
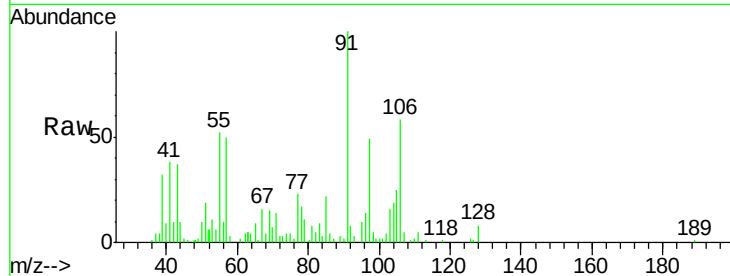
#69
o-Xylene
Concen: 0.56 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Instrument :
MSVOA_X
ClientSampled :
S22-0041

Tot Ion:106 Resp: 3153
Ion Ratio Lower Upper
106 100
91 199.0 108.2 324.6

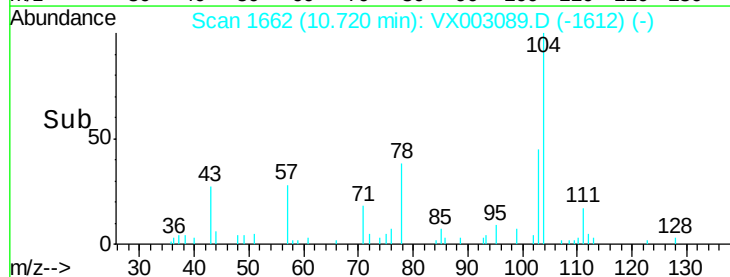
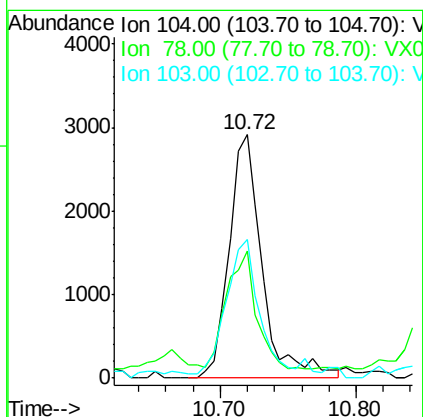
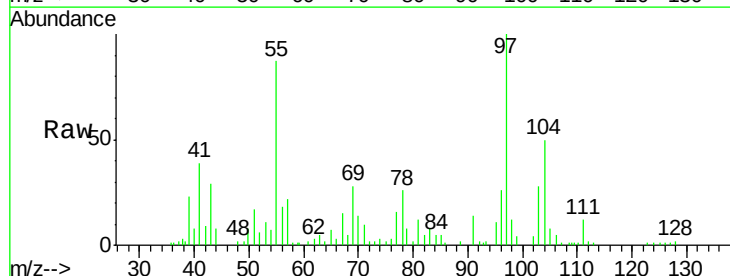
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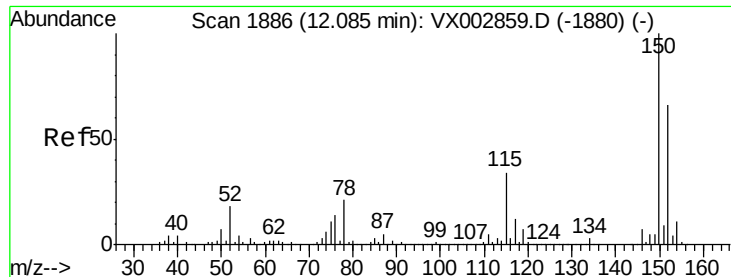
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#70
Styrene
Concen: 0.54 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion:104 Resp: 4926
Ion Ratio Lower Upper
104 100
78 43.8 41.0 61.6
103 53.3 44.2 66.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

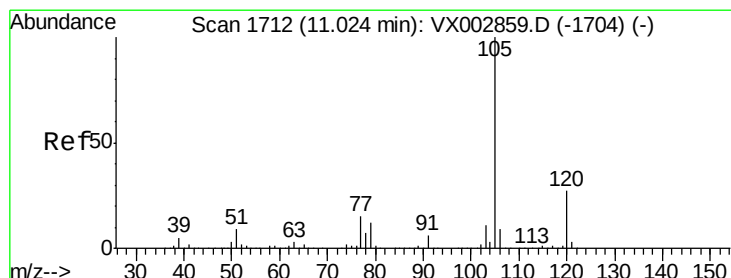
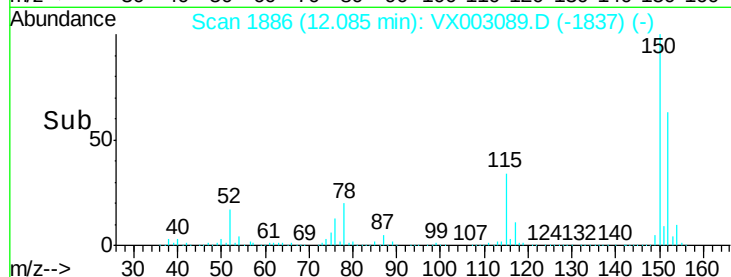
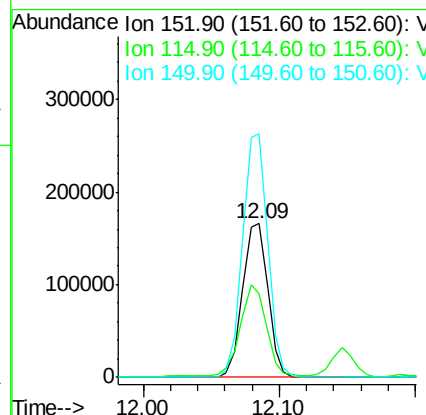
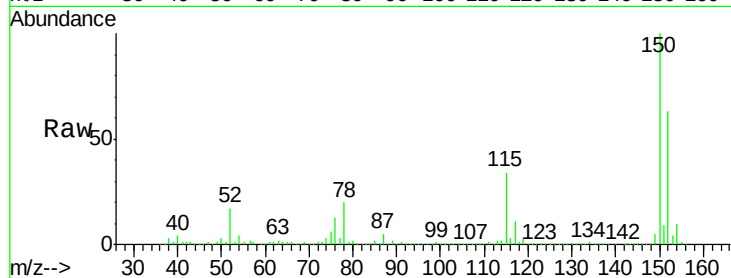
ClientSampleId :

S22-0041

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.0	40.1	120.2
150	157.8	0.0	347.2

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#73

Isopropylbenzene

Concen: 109.35 ug/l

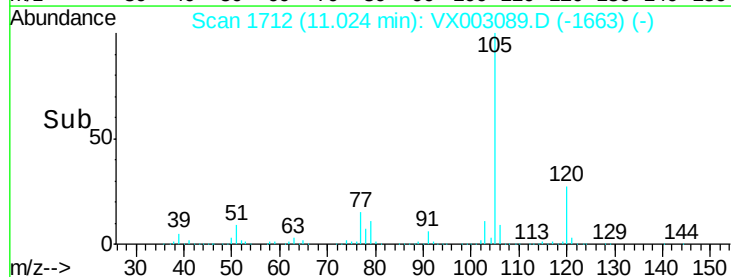
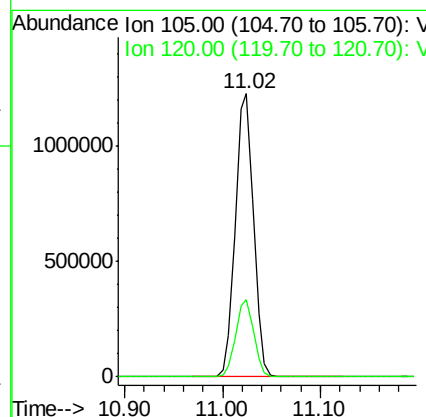
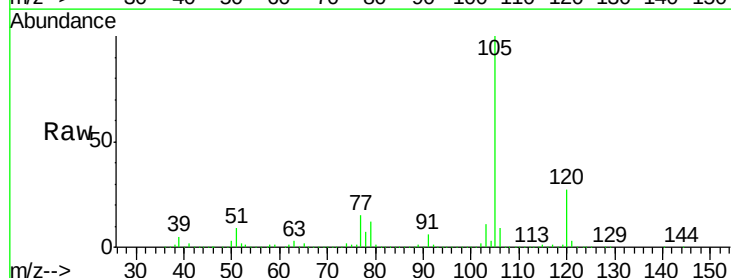
RT: 11.02 min Scan# 1712

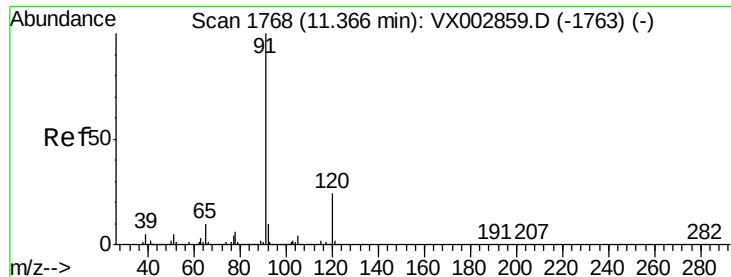
Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4





#78

n-propylbenzene

Concen: 92.43 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

Tot Ion: 91 Resp: 1520383

Ion Ratio Lower Upper

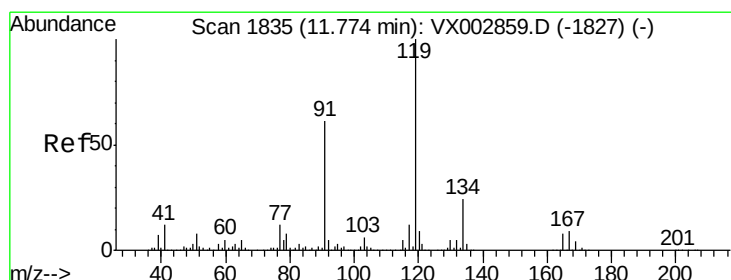
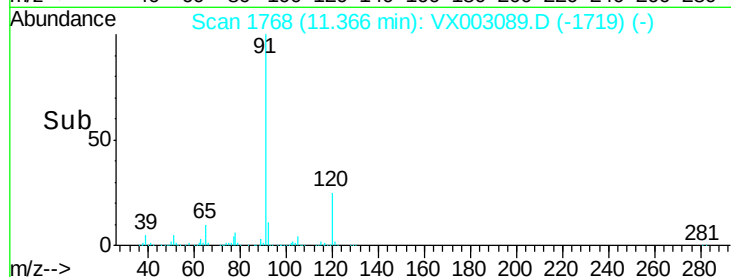
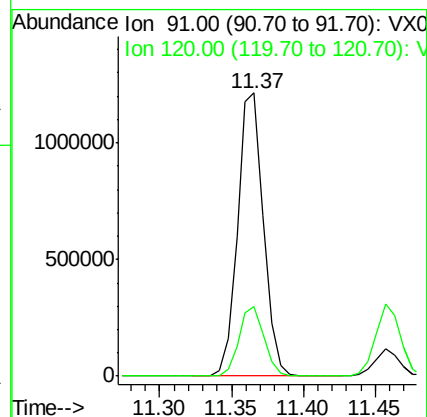
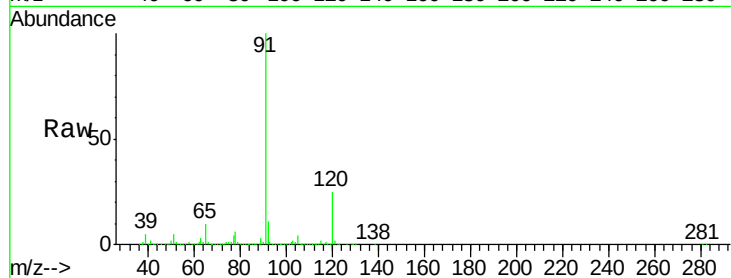
91 100

120 24.0 11.8 35.4

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#83

tert-Butylbenzene

Concen: 1.67 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

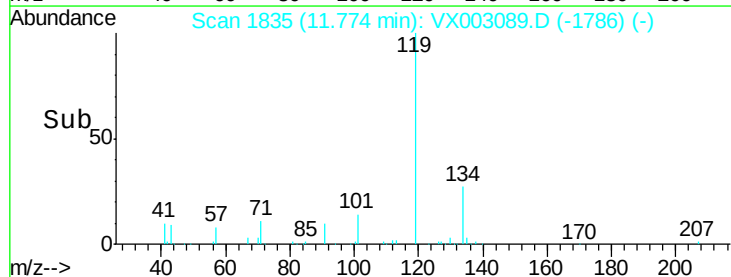
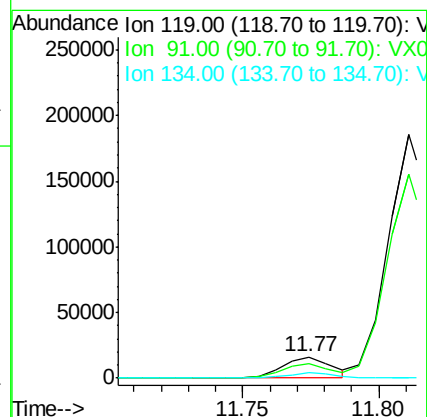
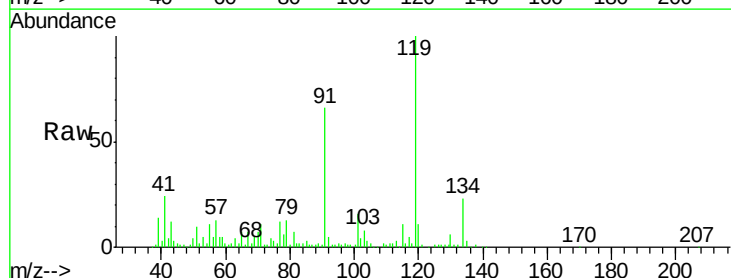
Tgt Ion: 119 Resp: 19992

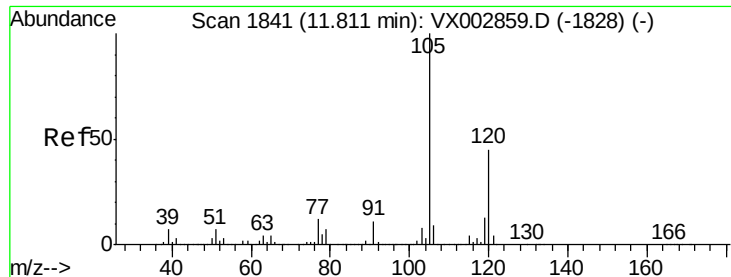
Ion Ratio Lower Upper

119 100

91 65.3 30.3 90.9

134 25.0 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 135.74 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

S22-0041

Tot Ion:105 Resp: 1711779

Ion Ratio Lower Upper

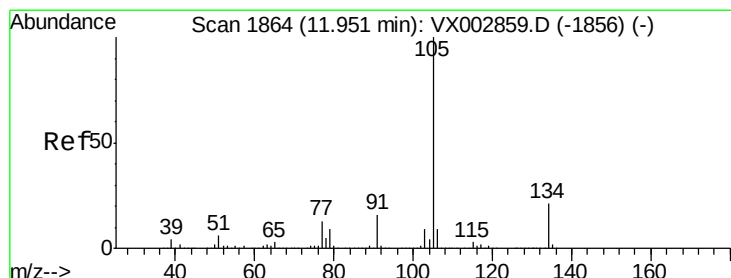
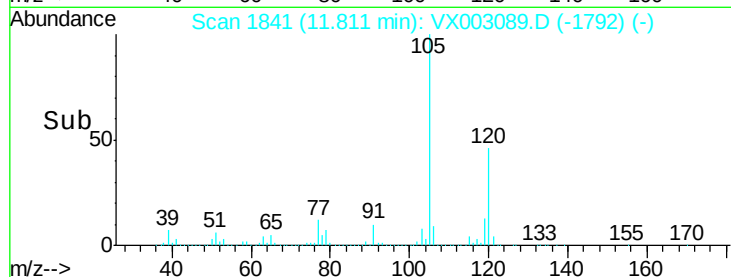
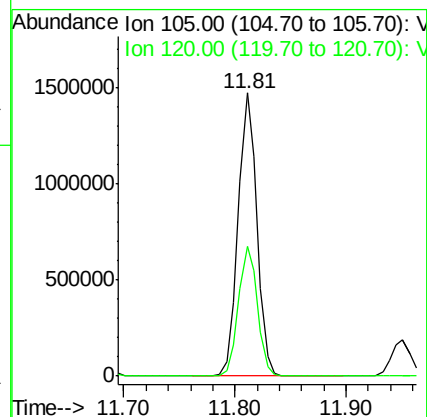
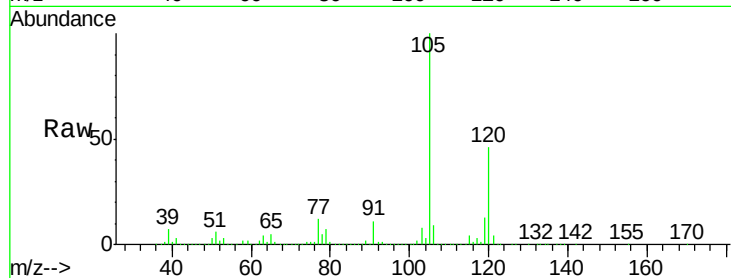
105 100

120 46.4 22.3 66.8

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#85

sec-Butylbenzene

Concen: 15.60 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003089.D

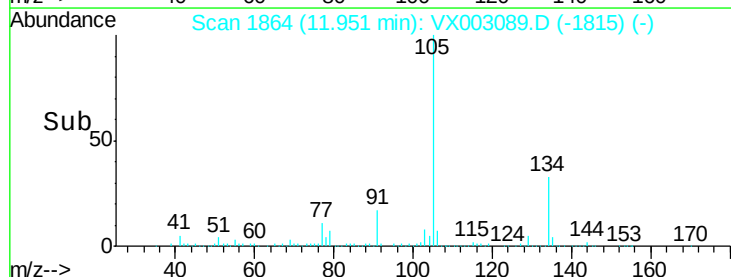
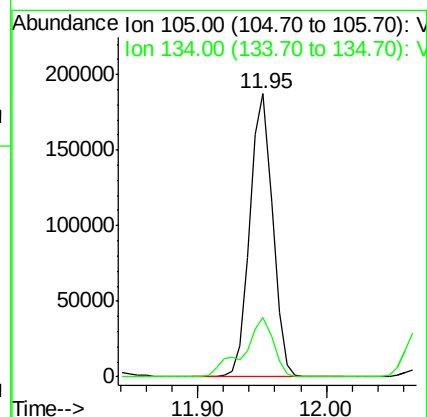
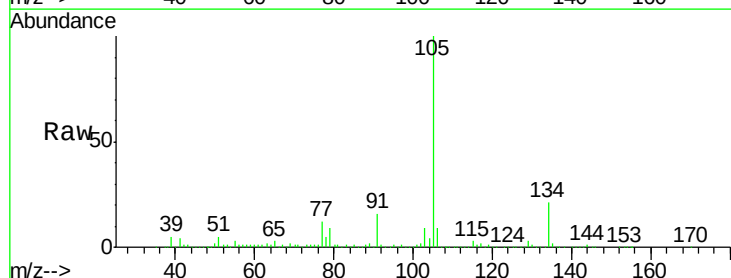
Acq: 30 Jun 2018 19:49

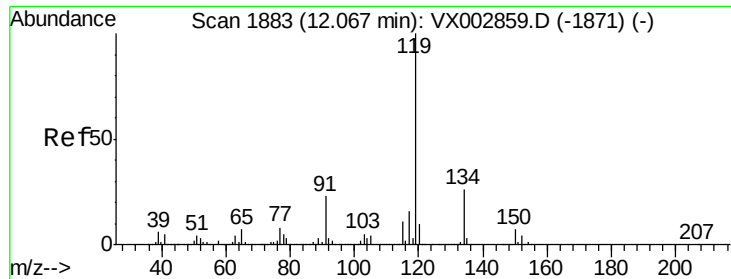
Tgt Ion:105 Resp: 227062

Ion Ratio Lower Upper

105 100

134 27.7 10.4 31.1





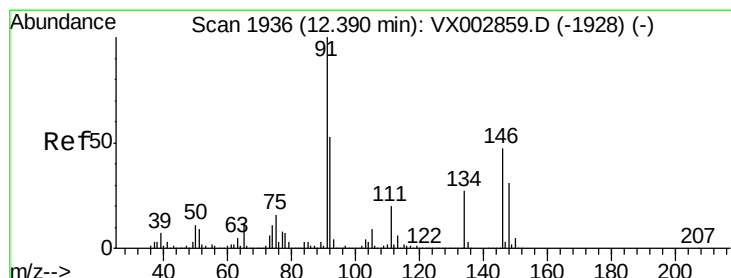
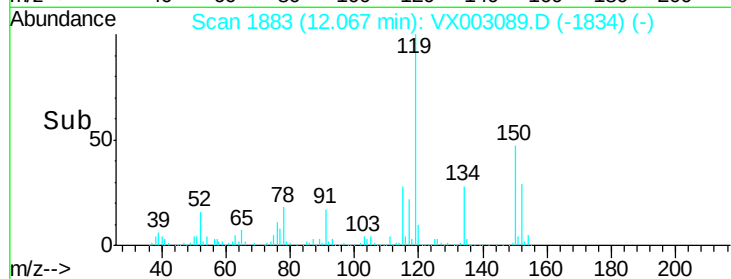
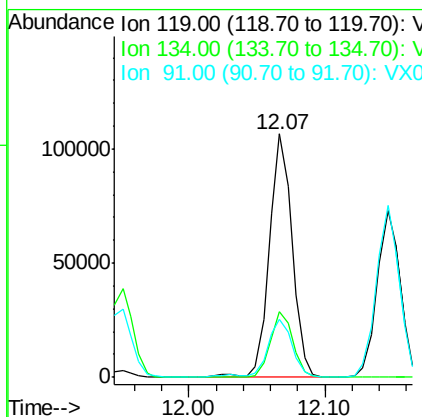
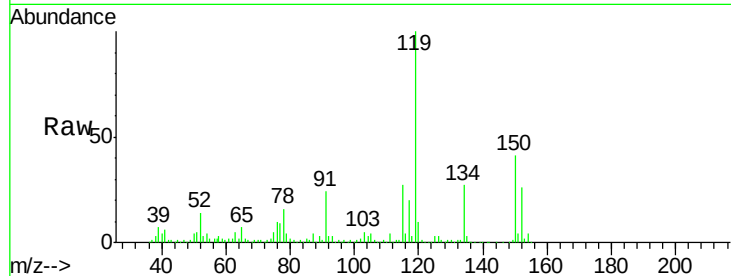
#86
p-Isopropyltoluene
Concen: 9.59 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Instrument :
MSVOA_X
ClientSampled :
S22-0041

Tot Ion	Ratio	Resp	Lower	Upper
119	100	125533		
134	27.2		13.4	40.1
91	24.2		11.9	35.7

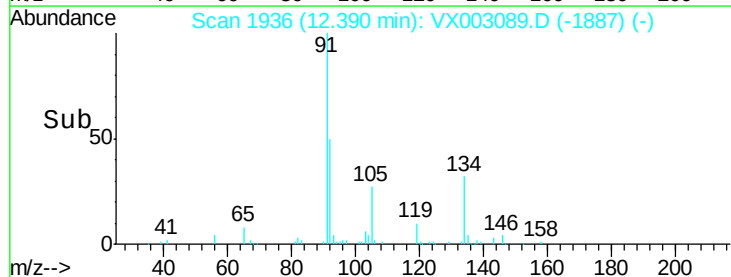
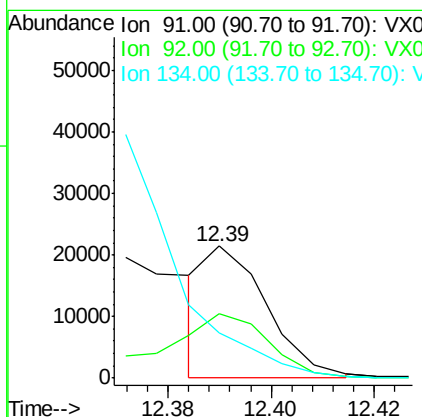
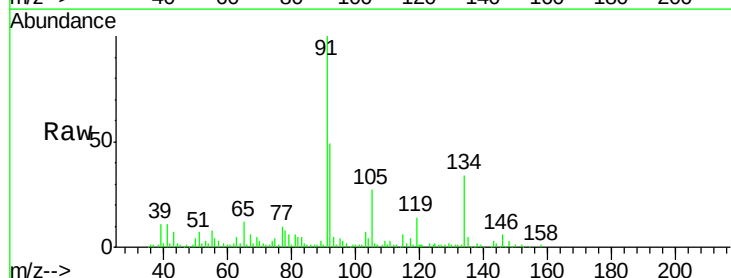
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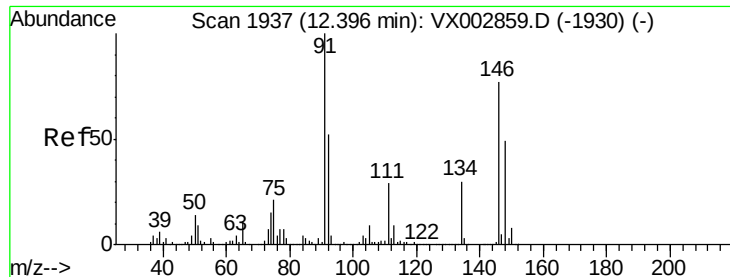
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#89
n-Butylbenzene
Concen: 1.55 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003089.D
Acq: 30 Jun 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	17677		
92	89.0		26.0	78.0#
134	303.5		13.5	40.5#





#91

1,2-Dichlorobenzene

Concen: 0.28 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Instrument :

MSVOA_X

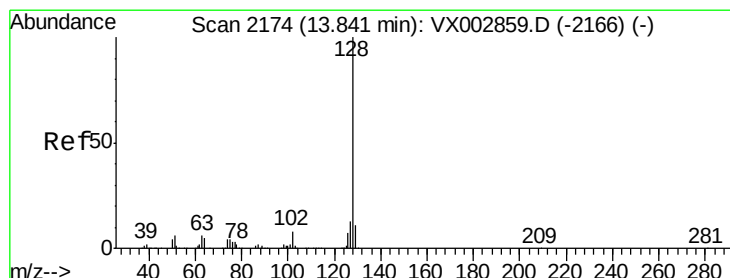
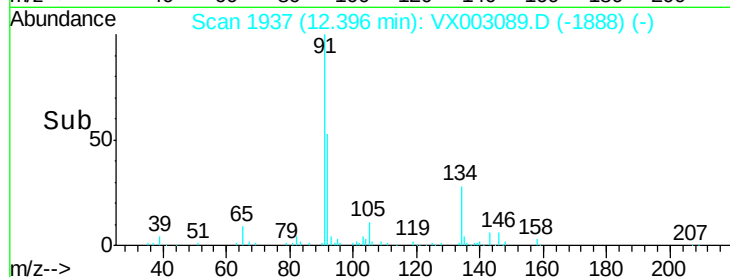
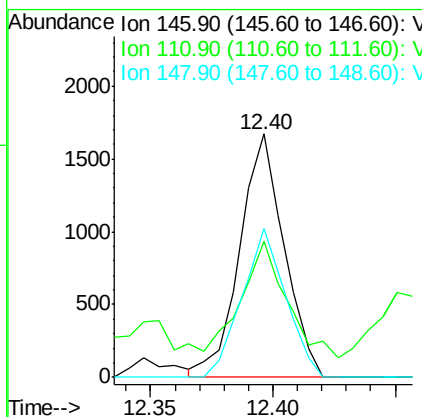
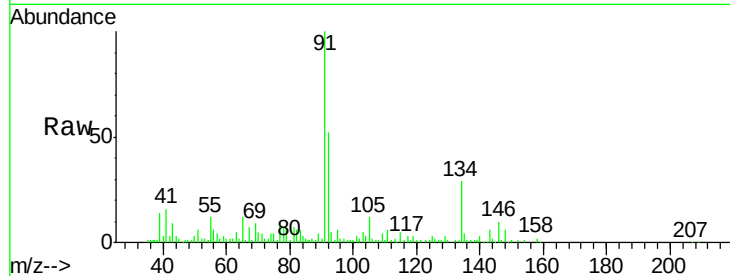
ClientSampled :

S22-0041

Tot Ion:	146	Resp:	2103
Ion	Ratio	Lower	Upper
146	100		
111	49.3	19.4	58.1
148	60.1	31.7	95.1

Manual Integrations
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#95

Naphthalene

Concen: 119.21 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003089.D

Acq: 30 Jun 2018 19:49

Tgt Ion:	128	Resp:	1752960
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	8.6	13.0

