

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011409.D
 Acq On : 09 Aug 2019 14:55
 Operator : JC/SP
 Sample : K4279-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:23 PM

Quant Time: Aug 11 00:38:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151195	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	107380	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	5.49	113	90029	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	8.71	98	365101	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	128993	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	5932	5.775	ug/l	100
31) Cyclohexane	5.58	56	795231	286.160	ug/l	99
39) Methylcyclohexane	7.46	83	737083	233.323	ug/l	98
40) Benzene	6.14	78	1722157	216.543	ug/l	97
52) Toluene	8.79	92	6405	1.218	ug/l	100
67) Ethyl Benzene	10.25	91	4351783	439.419	ug/l	99
68) m/p-Xylenes	10.36	106	626645	163.587	ug/l	98
69) o-Xylene	10.69	106	12476	3.315	ug/l	100
73) Isopropylbenzene	11.02	105	446466	43.176	ug/l	99
78) n-propylbenzene	11.36	91	601229	52.283	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	442420	51.110	ug/l	98
83) tert-Butylbenzene	11.77	119	7923m	0.933	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3445401	399.774	ug/l	100
85) sec-Butylbenzene	11.94	105	98508m	9.658	ug/l	
86) p-Isopropyltoluene	12.06	119	98046	10.448	ug/l	99
89) n-Butylbenzene	12.38	91	100046	12.375	ug/l #	35
95) Naphthalene	13.83	128	649685	65.806	ug/l	100

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

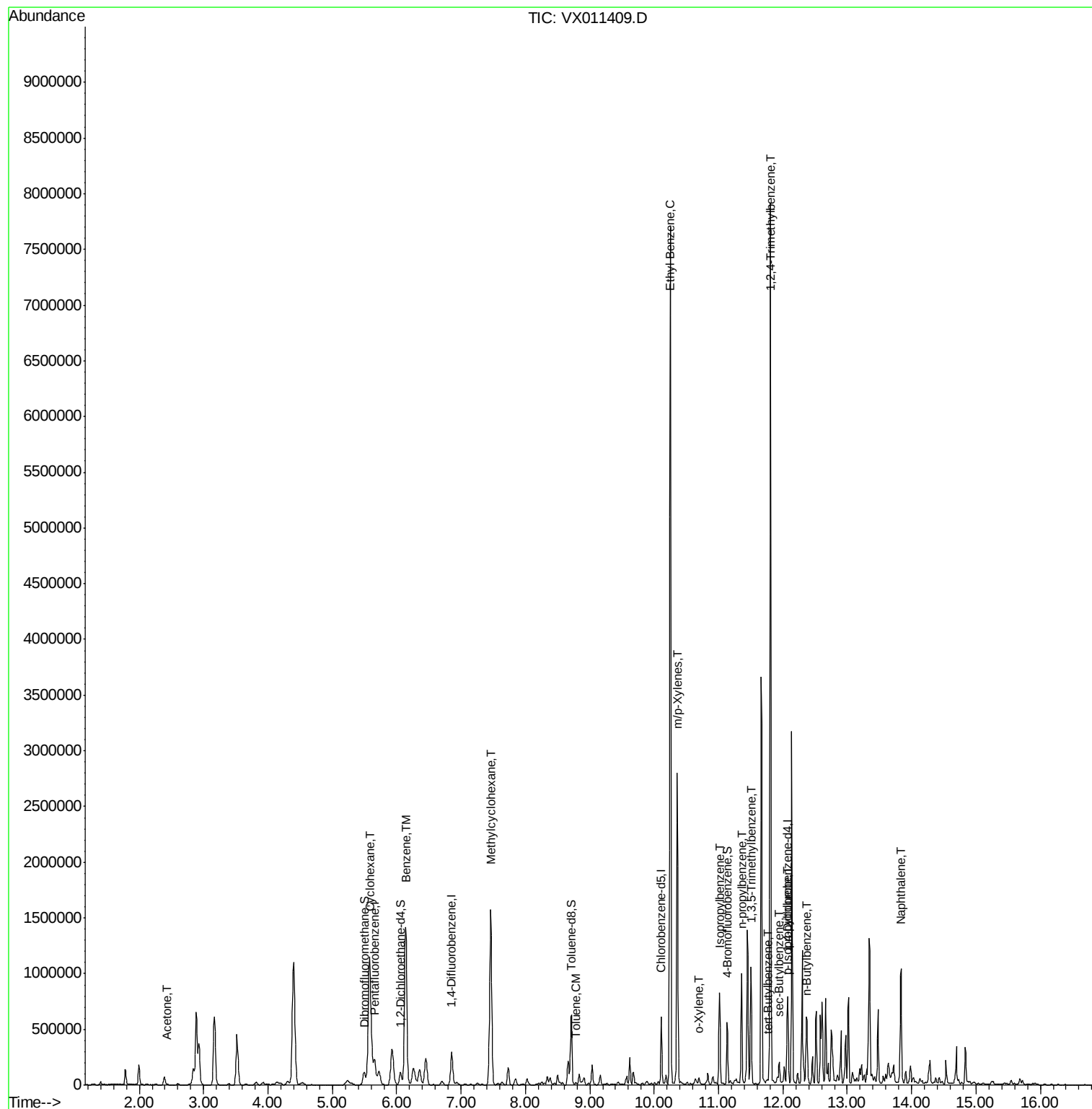
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
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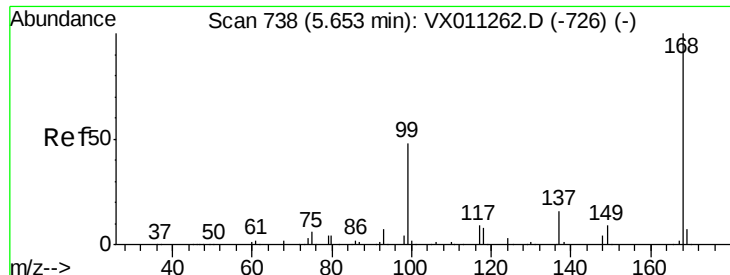
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

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Quant Time: Aug 11 00:38:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tot Ion:168 Resp: 214282

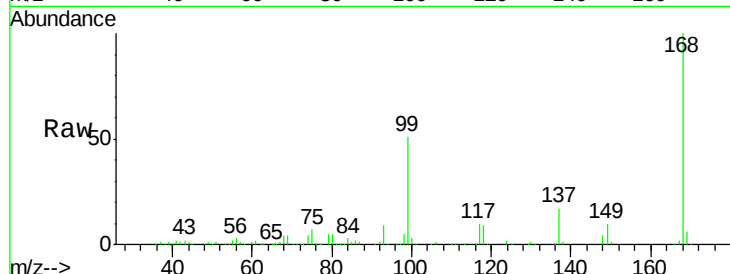
Ion Ratio Lower Upper

168 100

99 51.2 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

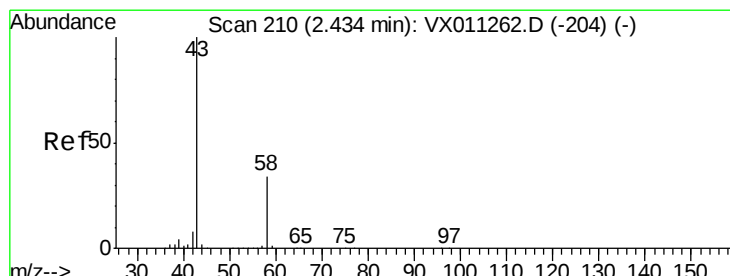
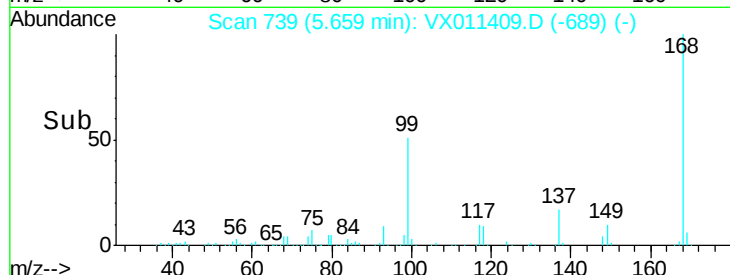
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 5.775 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011409.D

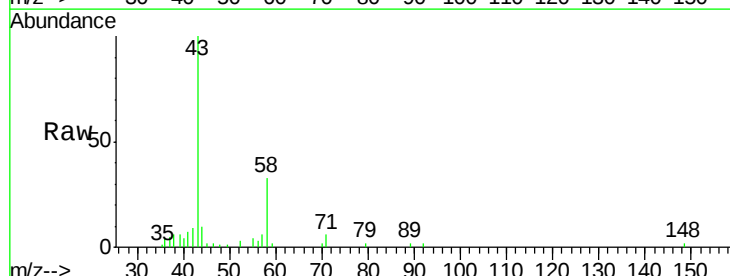
Acq: 09 Aug 2019 14:55

Tgt Ion: 43 Resp: 5932

Ion Ratio Lower Upper

43 100

58 34.1 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

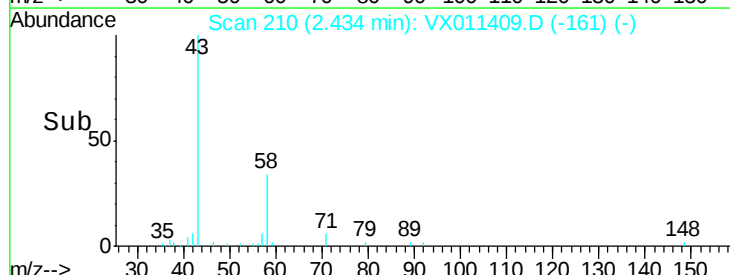
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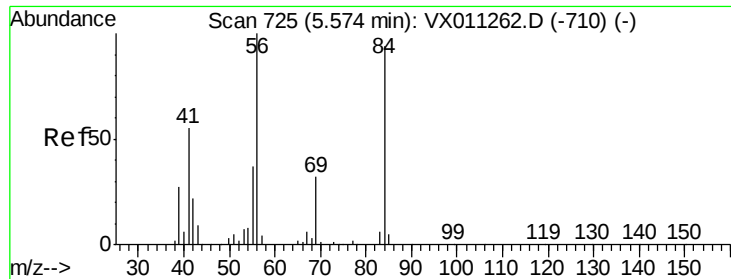
5000

0

2.40 2.45 2.50

Time-->





#31

Cyclohexane

Concen: 286.160 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

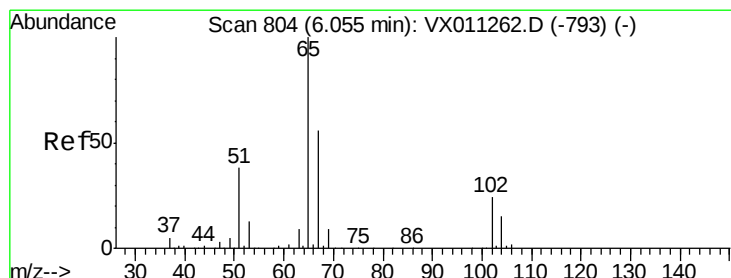
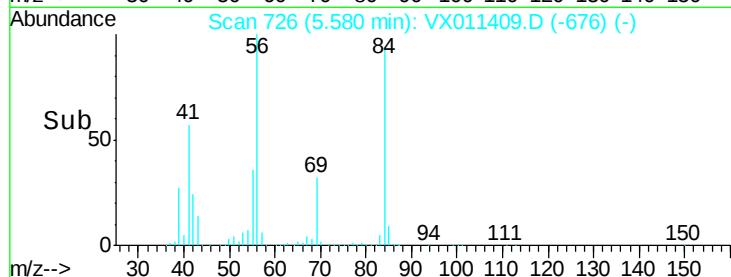
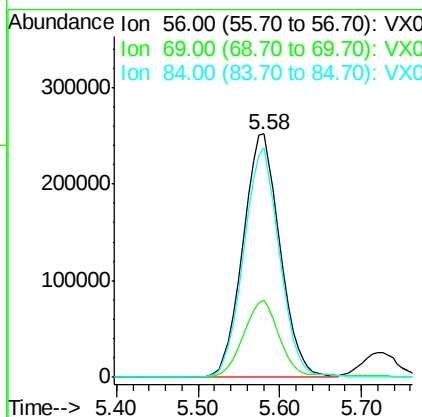
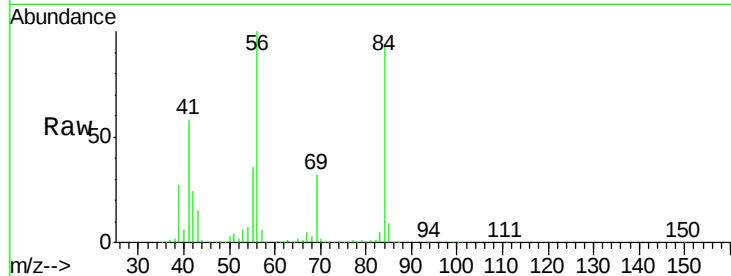
ClientSampleId :

Z3-0671

Tot Ion:	56	Resp:	795231
Ion Ratio	Lower	Upper	
56	100		
69	31.5	25.5	38.3
84	94.2	75.0	112.4

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#33

1,2-Dichloroethane-d4

Concen: 49.761 ug/l

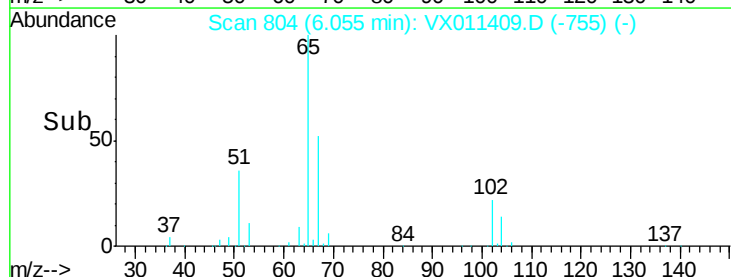
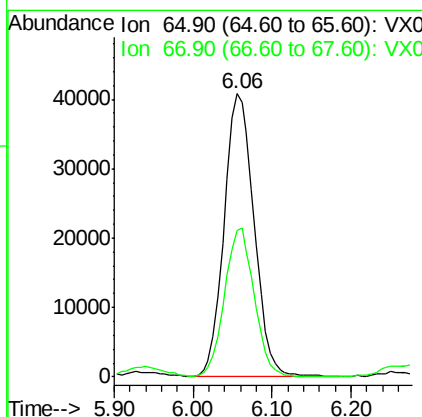
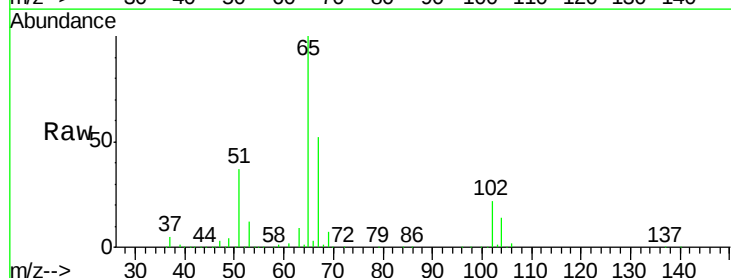
RT: 6.06 min Scan# 804

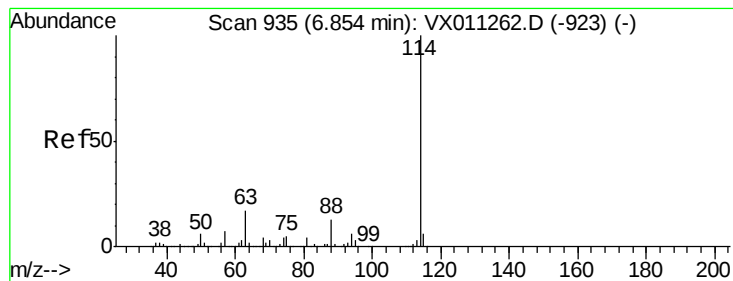
Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Tgt Ion:	65	Resp:	107380
Ion Ratio	Lower	Upper	
65	100		
67	51.9	0.0	110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

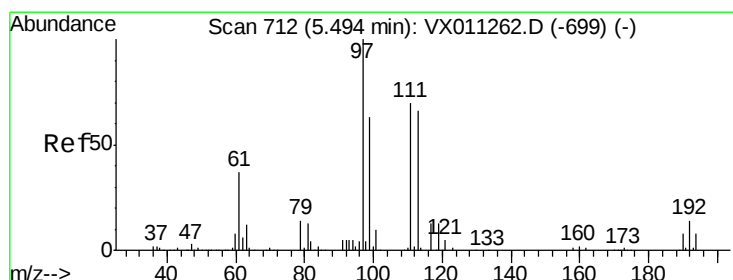
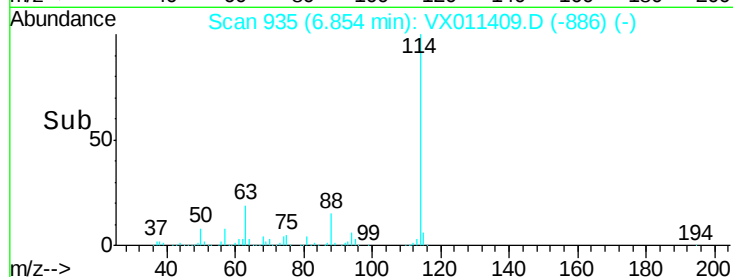
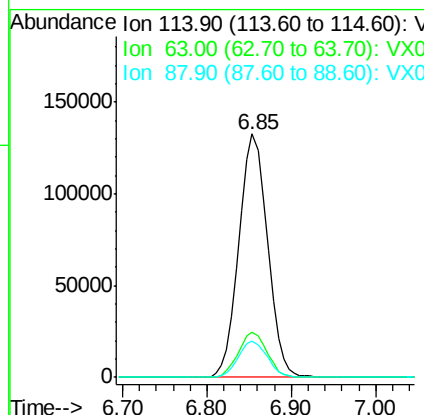
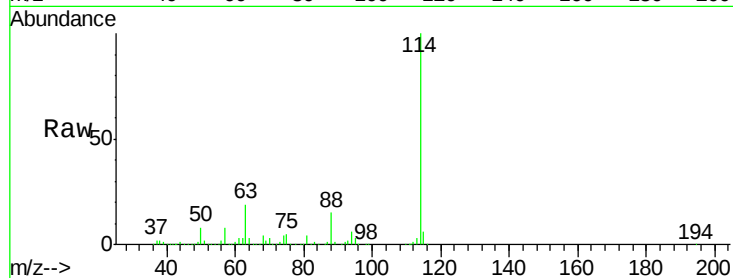
ClientSampleId :

Z3-0671

Tot Ion:	114	Resp:	305251
Ion Ratio	Lower	Upper	
114	100		
63	18.8	0.0	34.0
88	14.8	0.0	26.4

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#35

Dibromofluoromethane

Concen: 45.175 ug/l

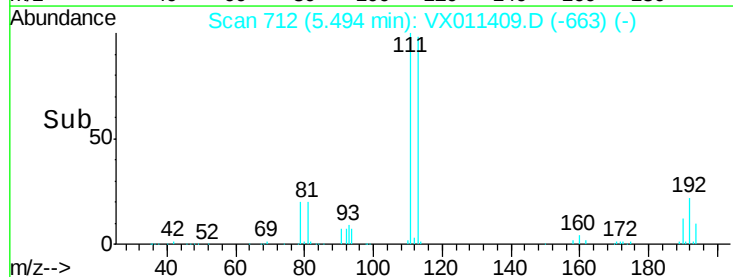
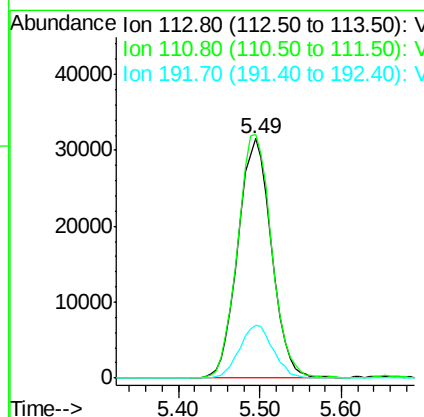
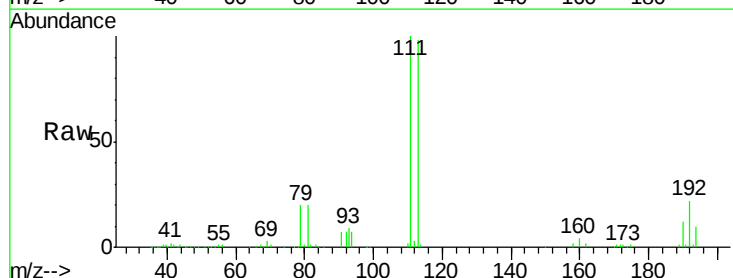
RT: 5.49 min Scan# 712

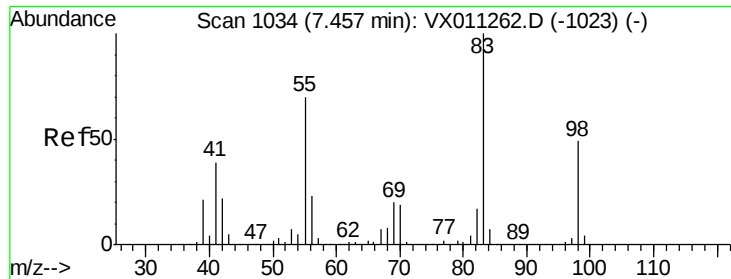
Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Tgt Ion:	113	Resp:	90029
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.9	122.9
192	22.0	17.8	26.8





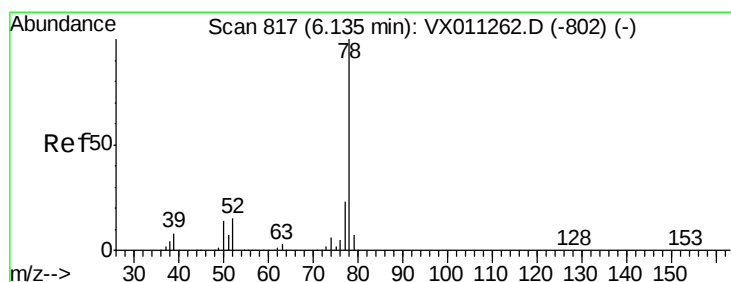
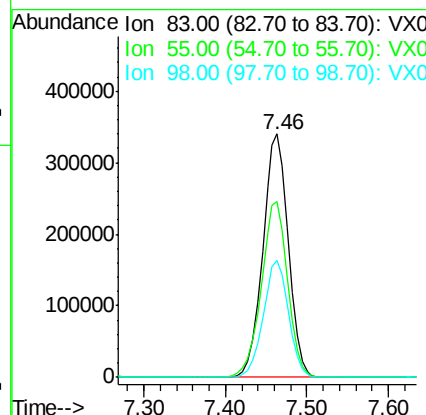
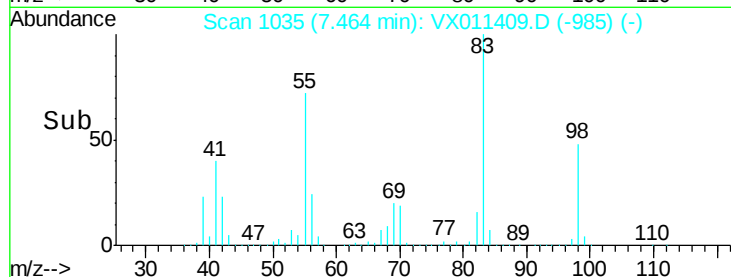
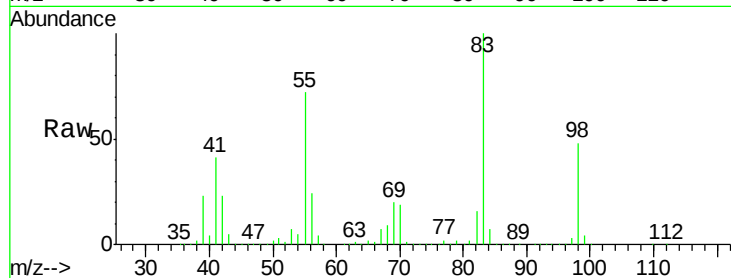
#39
Methvlcvclohexane
Concen: 233.323 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

Tot Ion	83	Resp	737083
Ion Ratio	100	Lower	Upper
83	100		
55	71.9	56.1	84.1
98	48.0	39.0	58.4

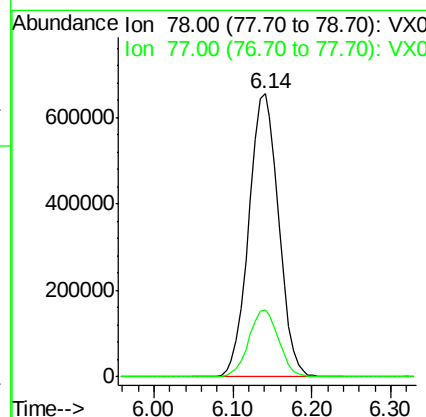
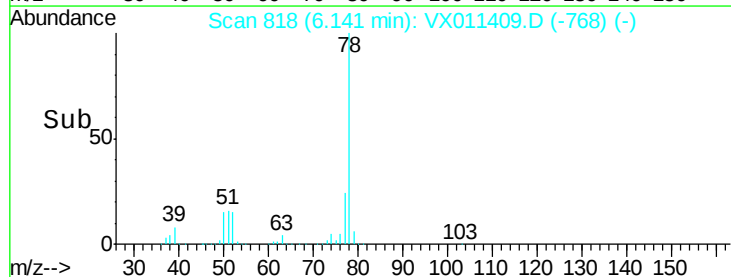
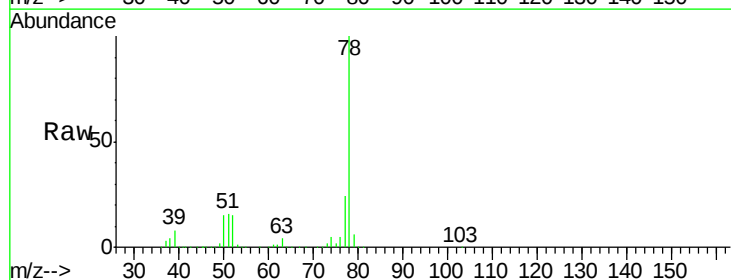
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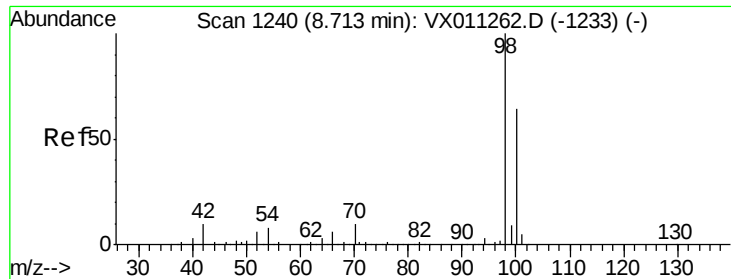
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#40
Benzene
Concen: 216.543 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion	78	Resp	1722157
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.2	27.2





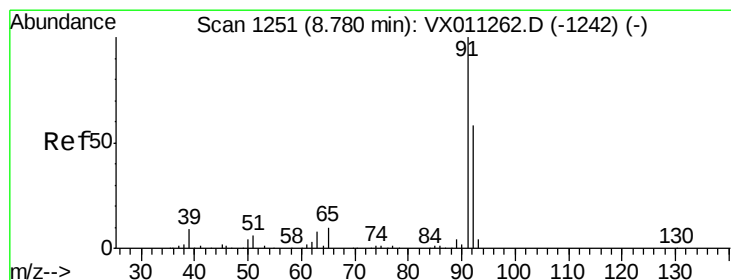
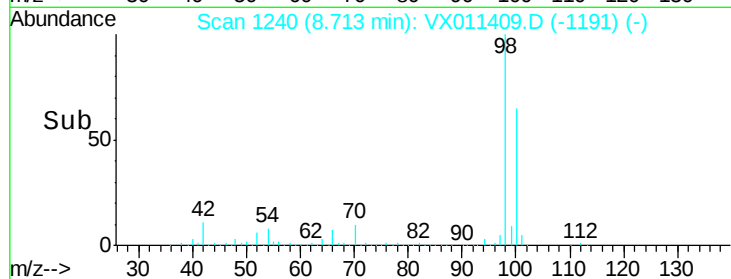
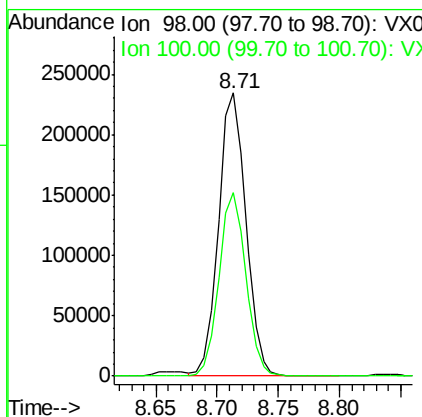
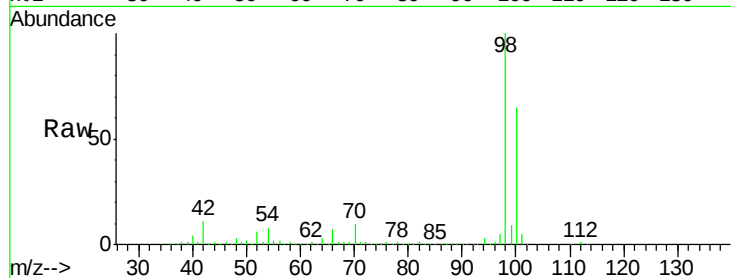
#50
Toluene-d8
Concen: 48.533 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion: 98 Resp: 365101
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

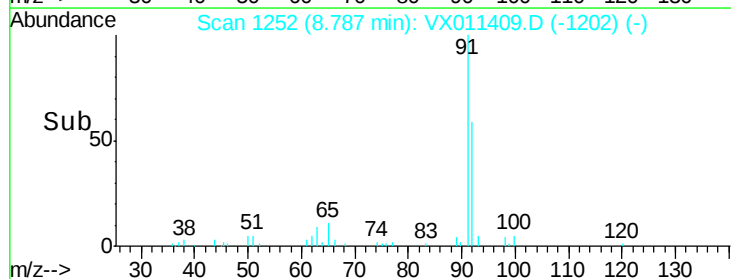
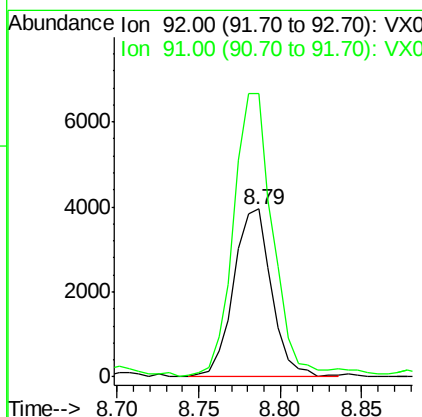
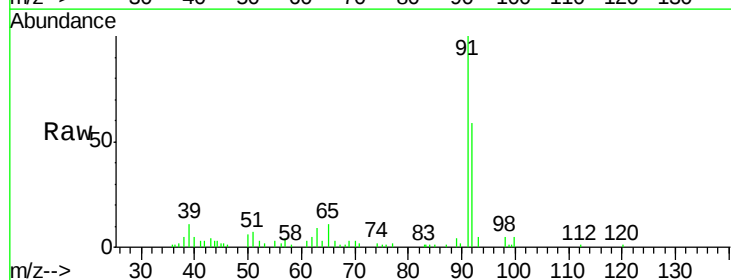
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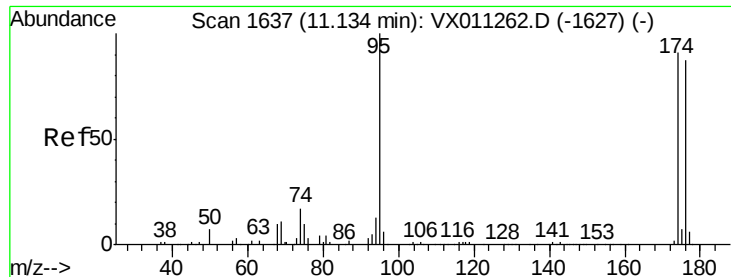
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#52
Toluene
Concen: 1.218 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion: 92 Resp: 6405
Ion Ratio Lower Upper
92 100
91 174.1 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 48.028 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

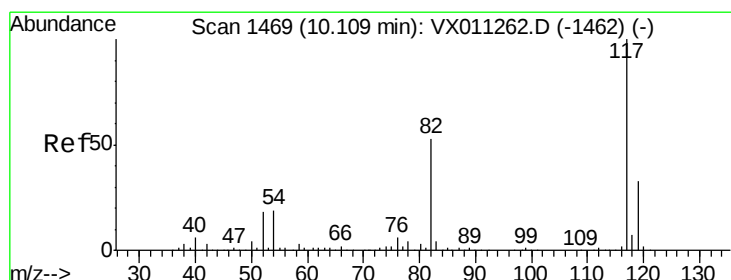
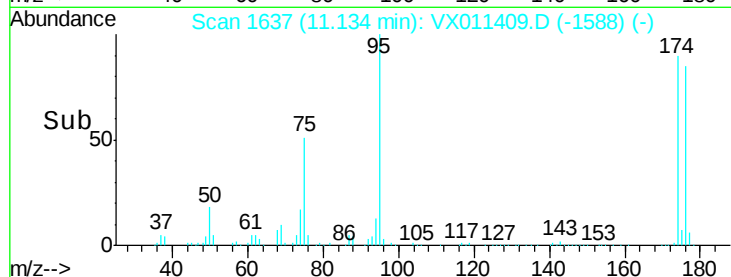
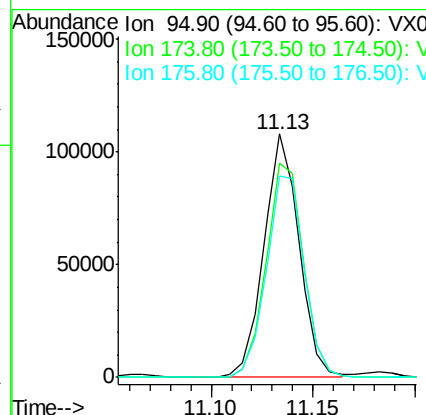
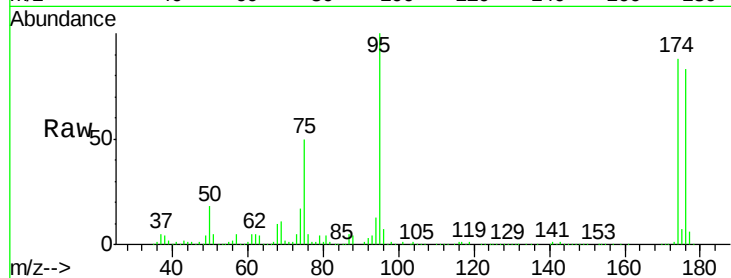
ClientSampled :

Z3-0671

Tot Ion	95	Resp	128993
Ion Ratio	Lower	Upper	
95	100		
174	93.7	0.0	191.2
176	89.5	0.0	184.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

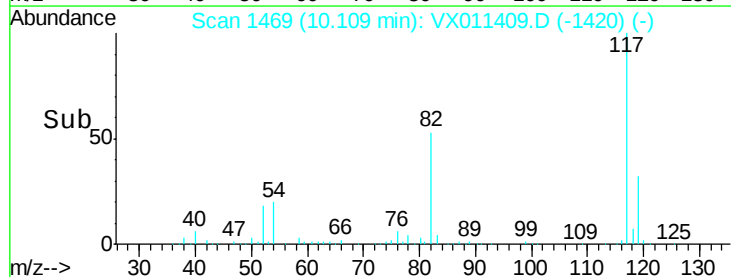
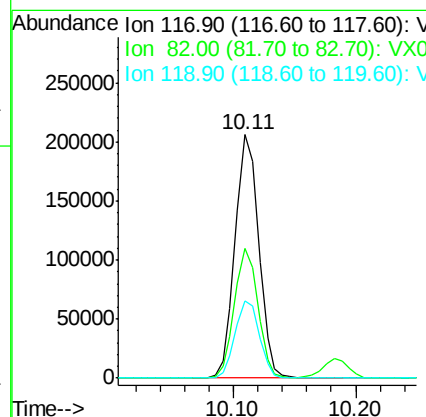
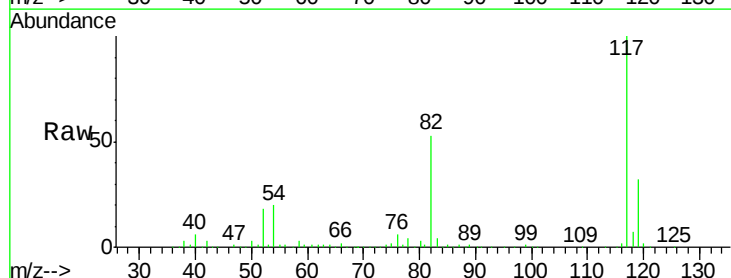
RT: 10.11 min Scan# 1469

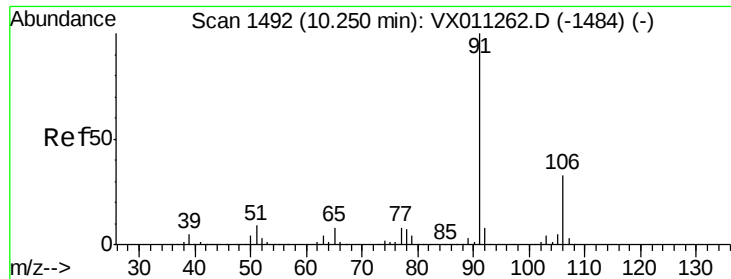
Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Tgt Ion	117	Resp	275796
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.2	63.2
119	31.9	26.6	39.8





#67

Ethyl Benzene

Concen: 439.419 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion: 91 Resp: 4351783

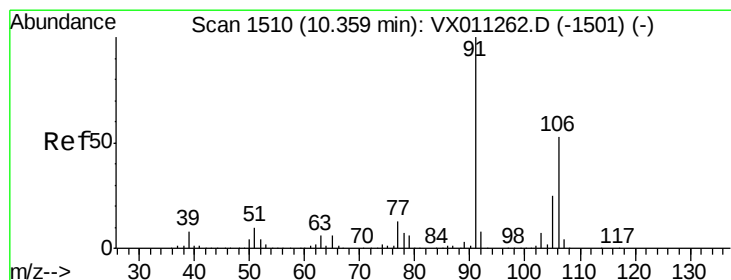
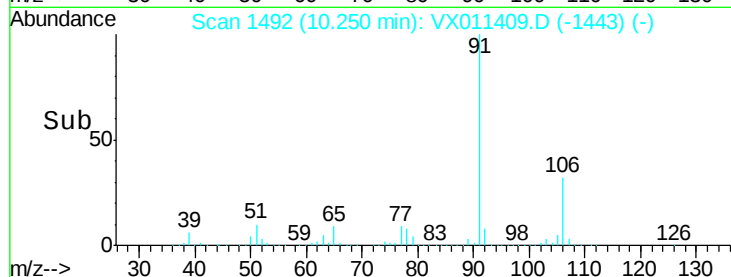
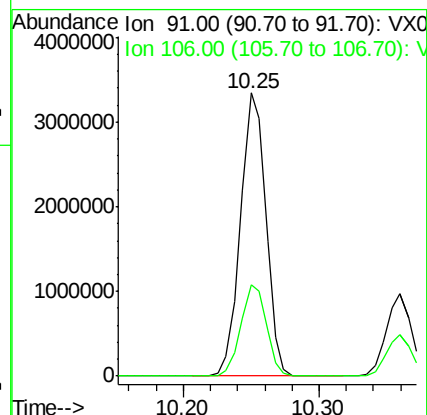
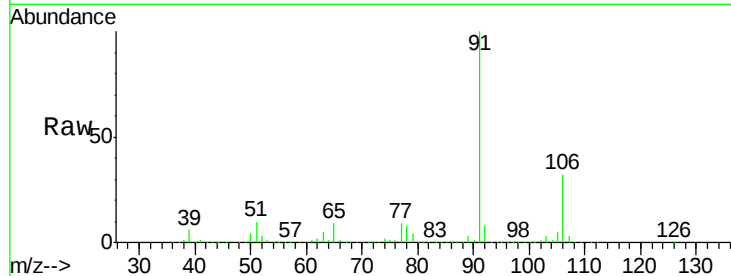
Ion Ratio Lower Upper

91 100

106 32.2 26.2 39.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 163.587 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011409.D

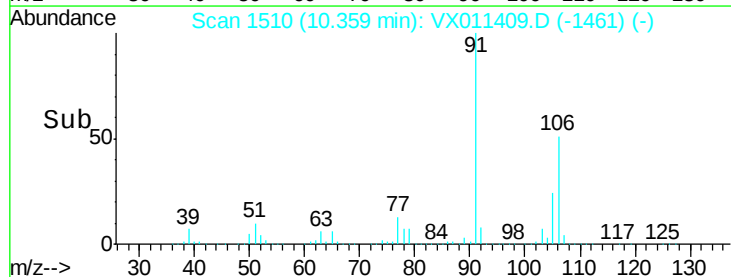
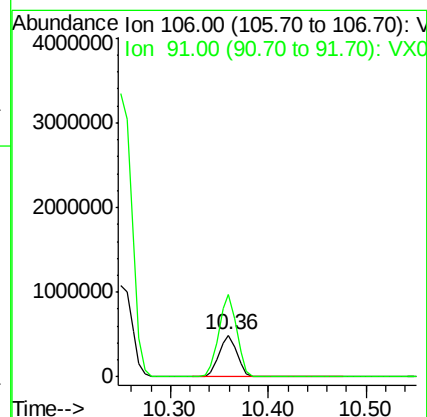
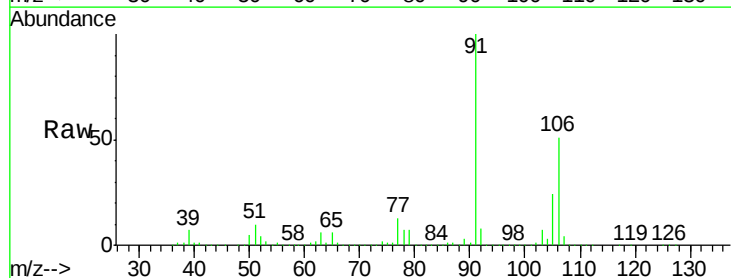
Acq: 09 Aug 2019 14:55

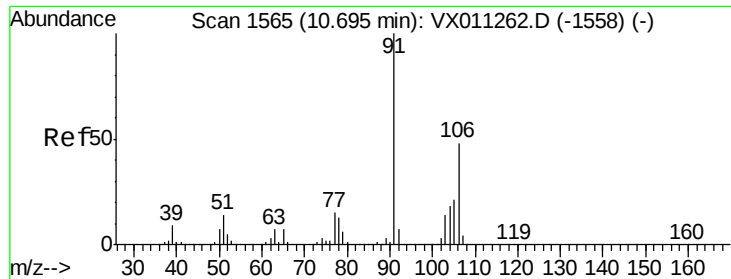
Tgt Ion: 106 Resp: 626645

Ion Ratio Lower Upper

106 100

91 198.4 155.9 233.9





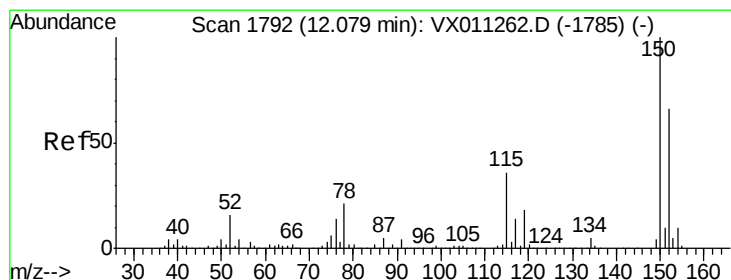
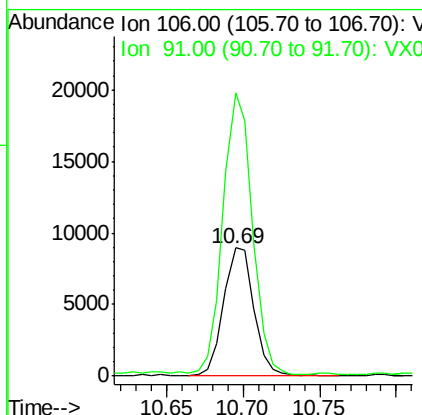
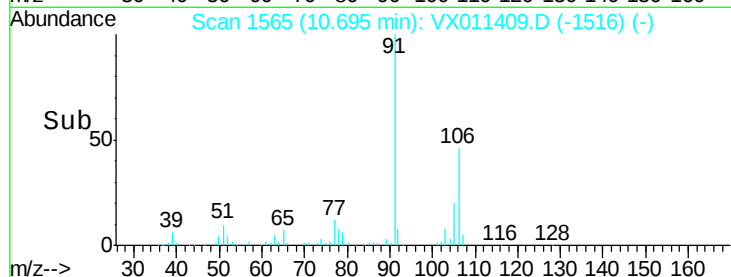
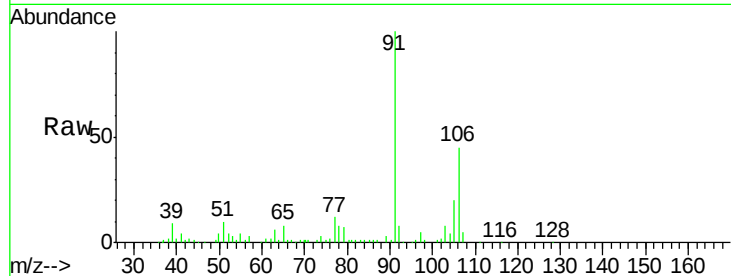
#69
o-Xylene
Concen: 3.315 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion:106 Resp: 12476
Ion Ratio Lower Upper
106 100
91 207.7 103.8 311.3

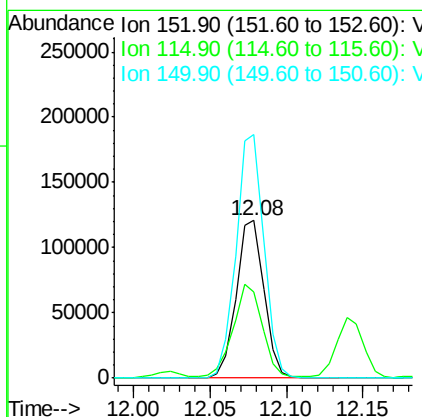
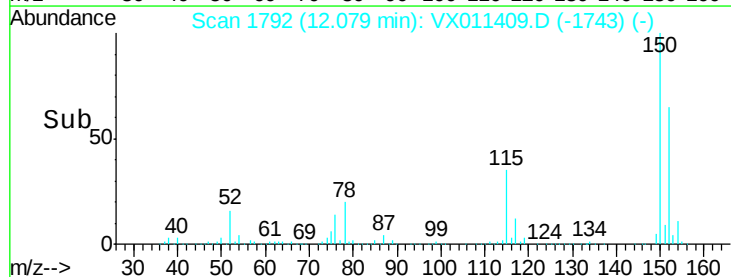
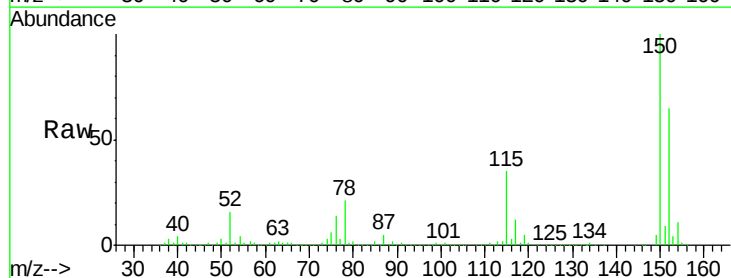
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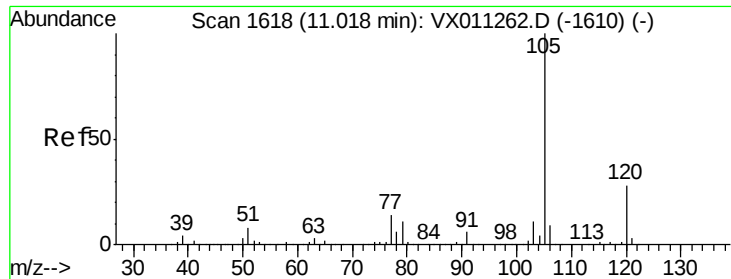
MMDadoda
8/12/2019 12:50:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion:152 Resp: 151195
Ion Ratio Lower Upper
152 100
115 62.9 40.0 119.9
150 155.6 0.0 350.4





#73

Isopropylbenzene

Concen: 43.176 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion:105 Resp: 446466

Ion Ratio Lower Upper

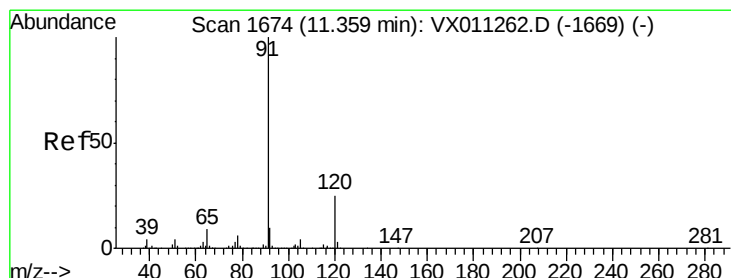
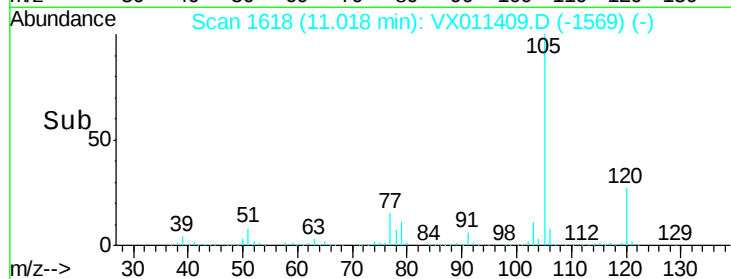
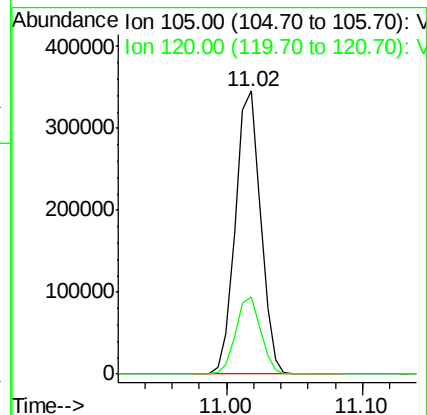
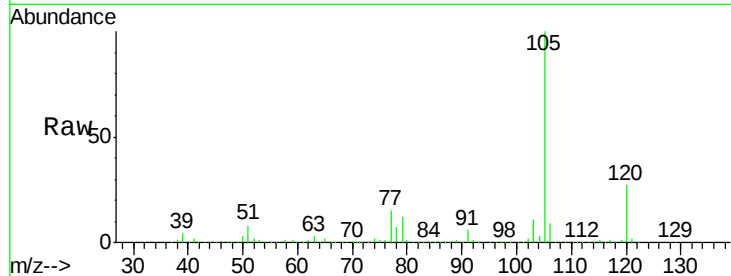
105 100

120 27.1 13.7 41.1

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#78

n-propylbenzene

Concen: 52.283 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011409.D

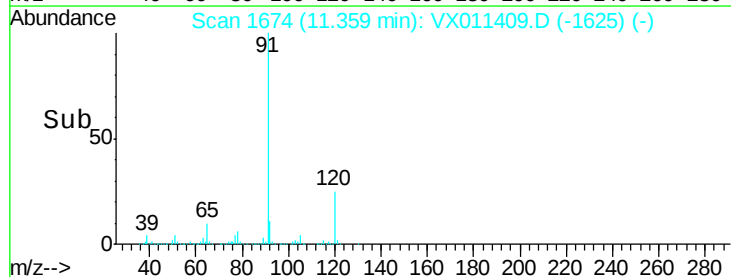
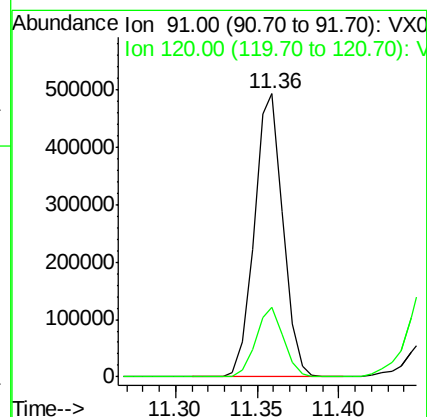
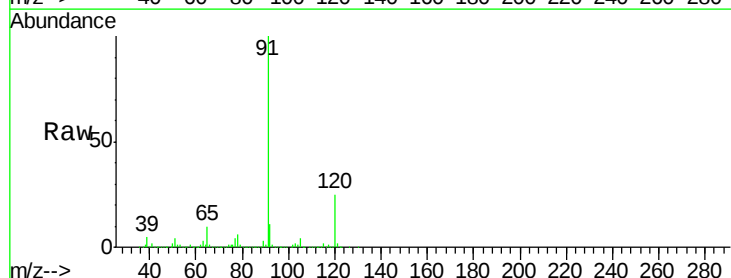
Acq: 09 Aug 2019 14:55

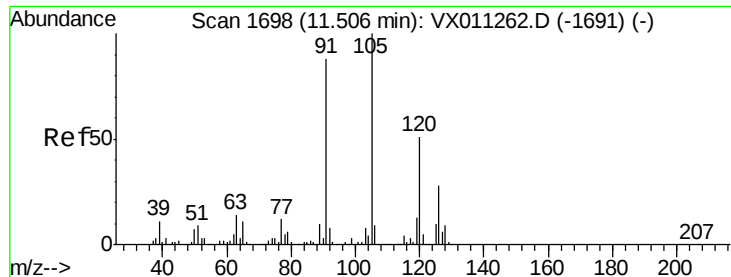
Tgt Ion: 91 Resp: 601229

Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.0





#80

1,3,5-Trimethylbenzene

Concen: 51.110 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tot Ion:105 Resp: 442420

Ion Ratio Lower Upper

105 100

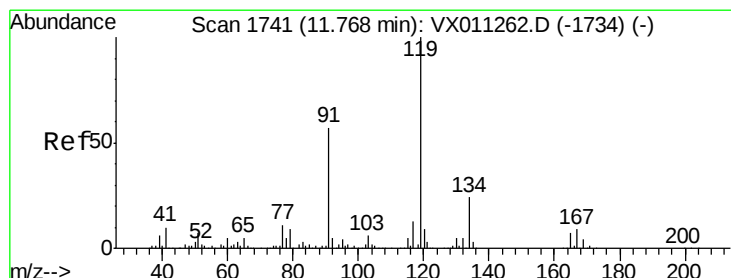
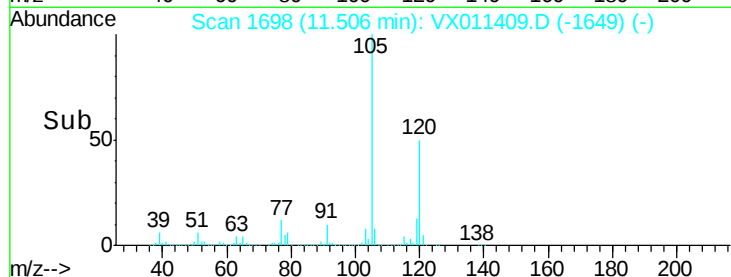
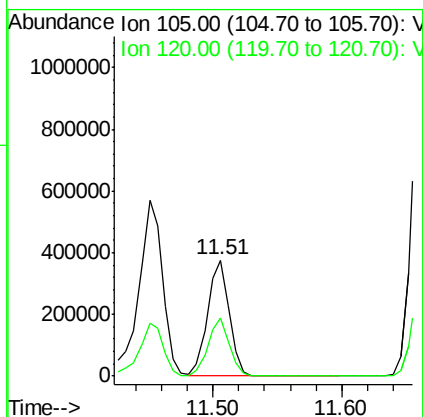
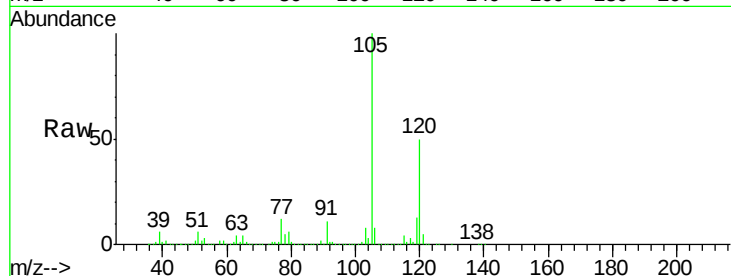
120 49.0 25.1 75.2

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#83

tert-Butylbenzene

Concen: 0.933 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

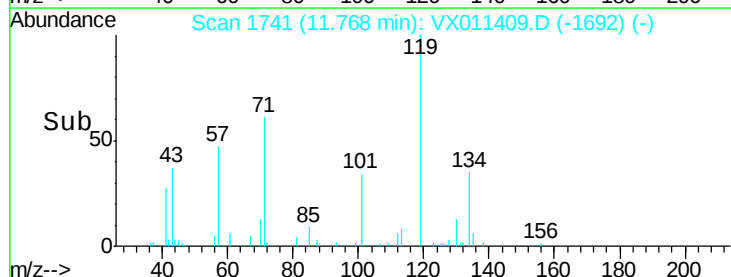
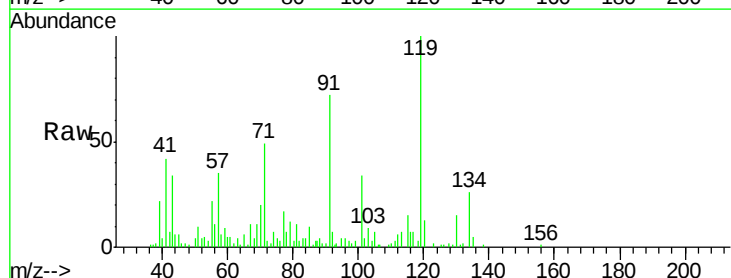
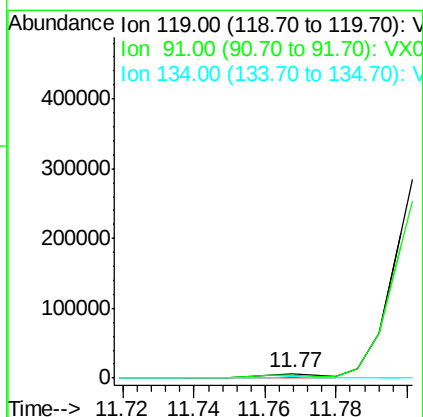
Tgt Ion:119 Resp: 7923

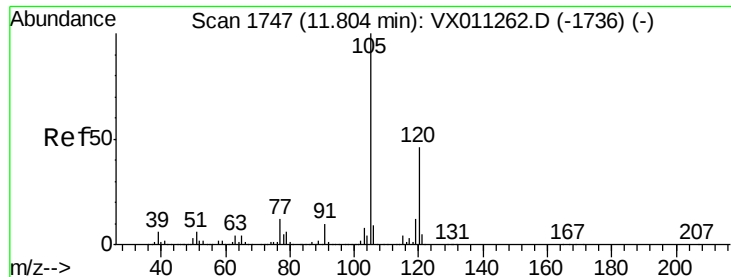
Ion Ratio Lower Upper

119 100

91 4684.0 28.0 84.0#

134 0.0 11.9 35.5#





#84

1,2,4-Trimethylbenzene

Concen: 399.774 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011409.D

Acq: 09 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion:105 Resp: 3445401

Ion Ratio Lower Upper

105 100

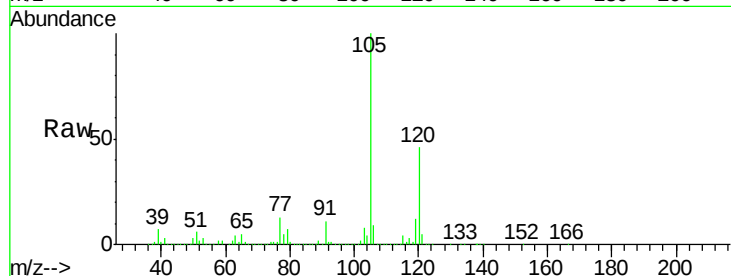
120 46.2 23.0 69.0

Manual Integrations

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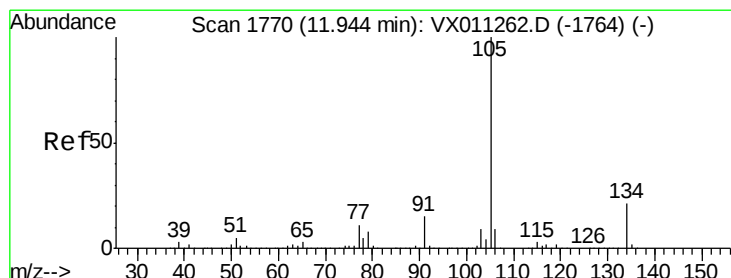
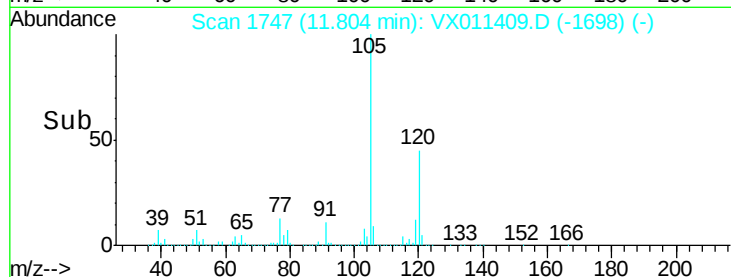
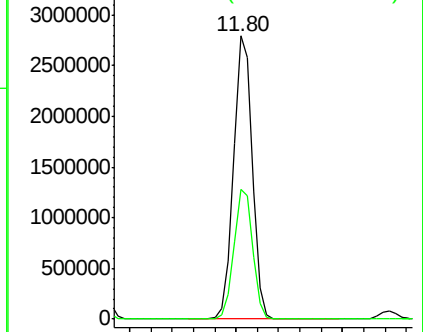
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.658 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011409.D

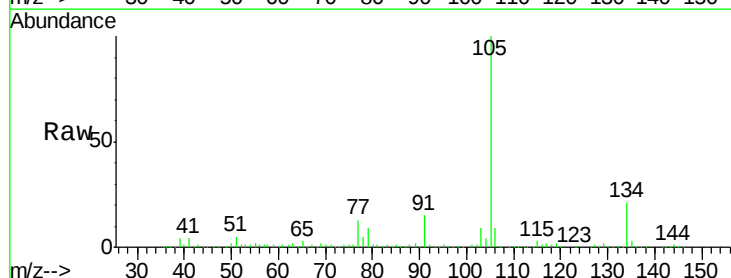
Acq: 09 Aug 2019 14:55

Tgt Ion:105 Resp: 98508

Ion Ratio Lower Upper

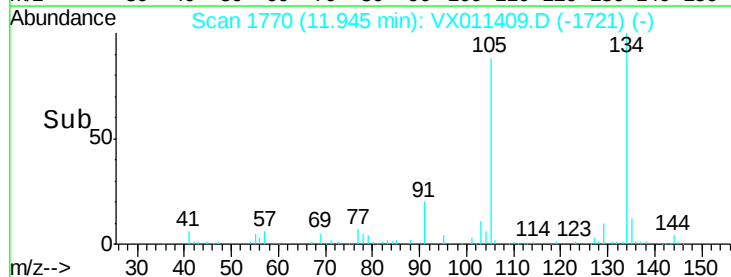
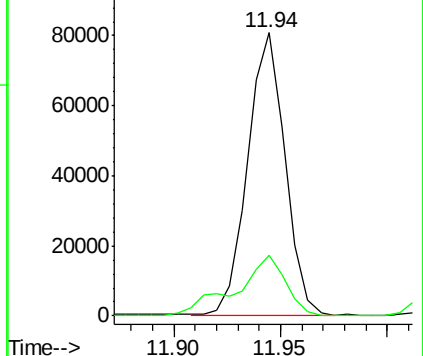
105 100

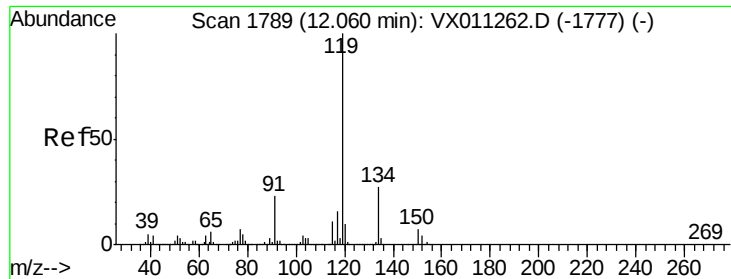
134 0.0 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





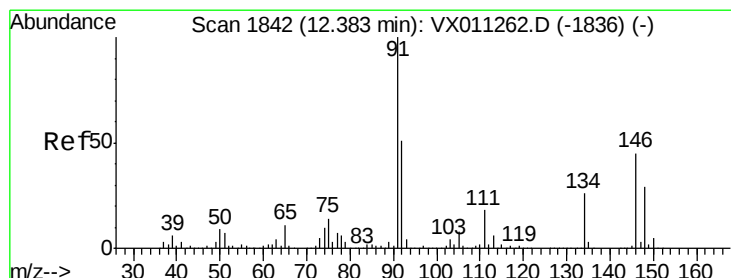
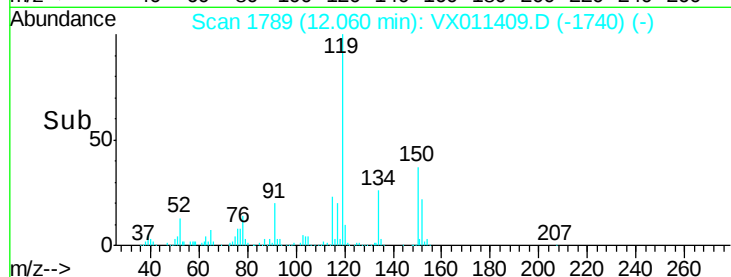
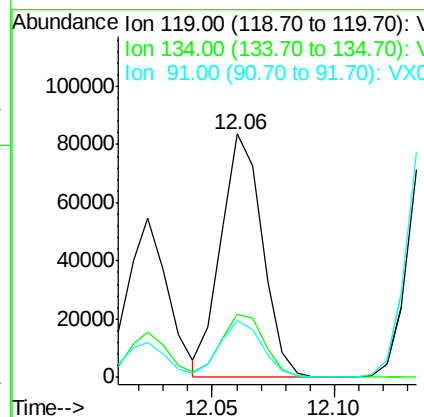
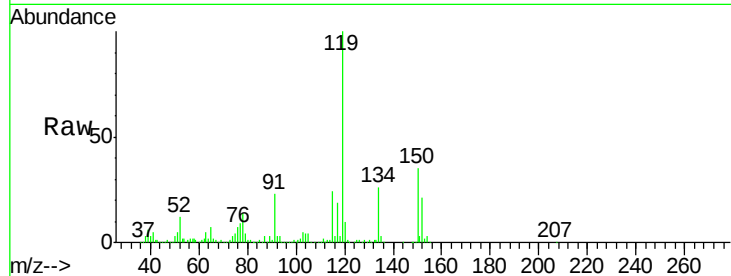
#86
p-Isopropyltoluene
Concen: 10.448 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.7	41.0
91	23.5	11.4	34.2

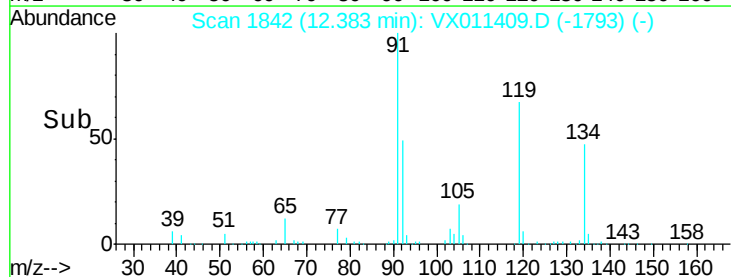
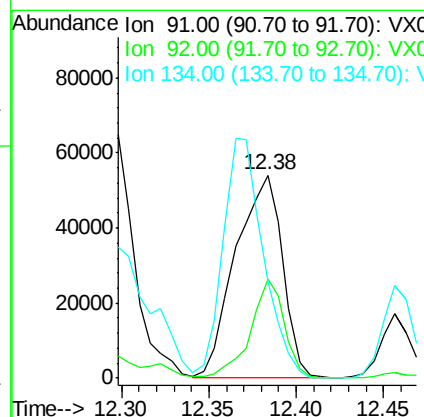
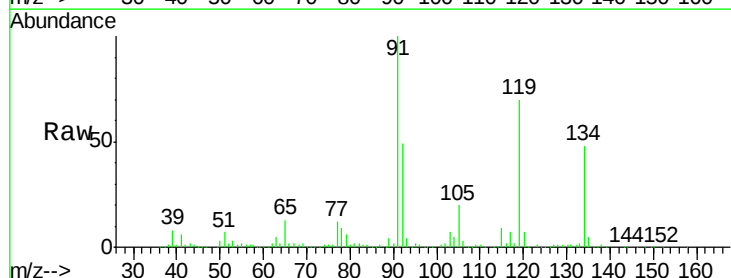
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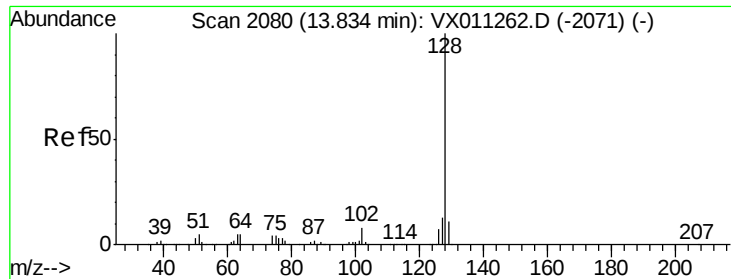
MMDadoda
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#89
n-Butylbenzene
Concen: 12.375 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	35.2	25.8	77.3
134	102.1	13.7	41.0





#95
Naphthalene
Concen: 65.806 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011409.D
Acq: 09 Aug 2019 14:55

Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.9	13.3

Manual Integrations
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