

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO081319\
 Data File : VX011531.D
 Acq On : 13 Aug 2019 13:20
 Operator : JC/SP
 Sample : K4279-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:32 AM

Quant Time: Aug 14 11:41:25 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	5.65	168	198425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105474	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	5.49	113	88444	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.71	98	349960	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	129767	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	9398	9.881	ug/l	94
31) Cyclohexane	5.58	56	787757	306.124	ug/l	99
39) Methylcyclohexane	7.46	83	716430	234.983	ug/l	99
40) Benzene	6.14	78	1752350	228.304	ug/l	97
52) Toluene	8.78	92	6536	1.288	ug/l	96
67) Ethyl Benzene	10.25	91	4432470	457.040	ug/l	99
68) m/p-Xylenes	10.36	106	634803	169.224	ug/l	97
69) o-Xylene	10.69	106	12719	3.451	ug/l	99
73) Isopropylbenzene	11.02	105	449208	44.758	ug/l	99
78) n-propylbenzene	11.36	91	600678	53.819	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	442280	52.643	ug/l	99
83) tert-Butylbenzene	11.77	119	7829m	0.950	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3454503	412.982	ug/l	100
85) sec-Butylbenzene	11.94	105	96557m	9.753	ug/l	
86) p-Isopropyltoluene	12.06	119	93099	10.222	ug/l	98
95) Naphthalene	13.83	128	658630	68.734	ug/l	99

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

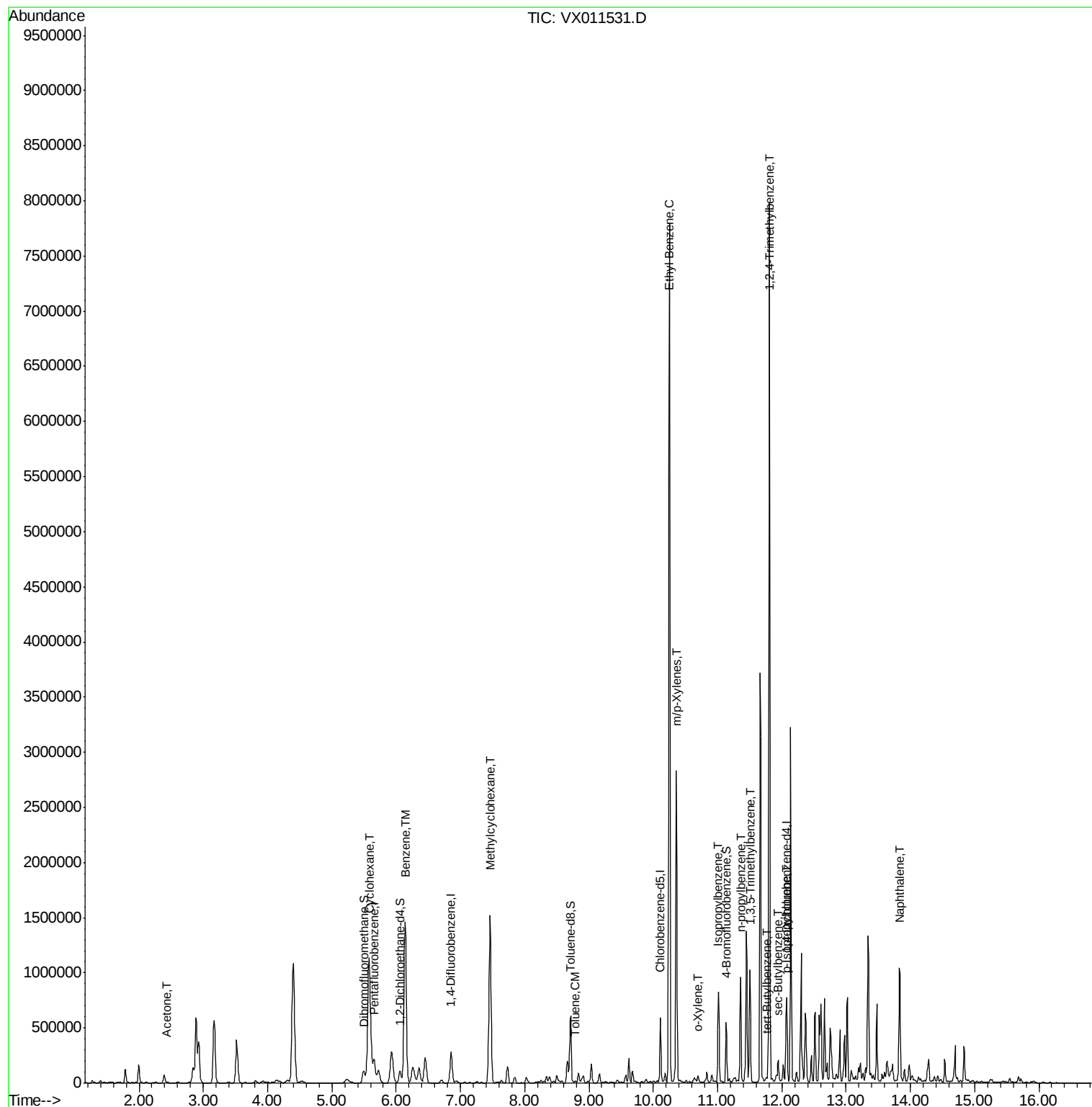
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081319\
Data File : VX011531.D
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ALS Vial : 9 Sample Multiplier: 1

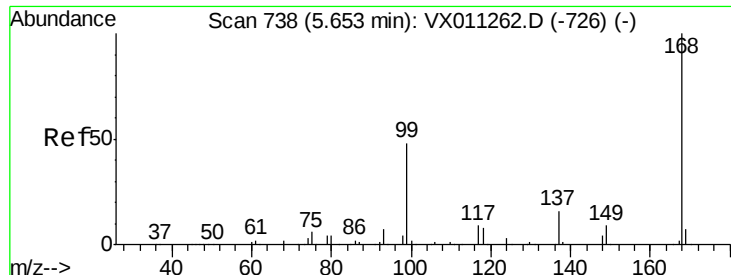
Instrument :
MSVOA_X
ClientSampleId :
Z3-0671

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Quant Time: Aug 14 11:41:25 2019
Quant Method : Z:\V0ASRV\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: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion:168 Resp: 198425

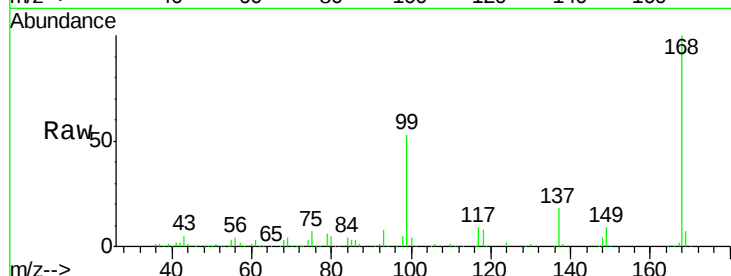
Ion Ratio Lower Upper

168 100

99 53.1 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

5.65

80000

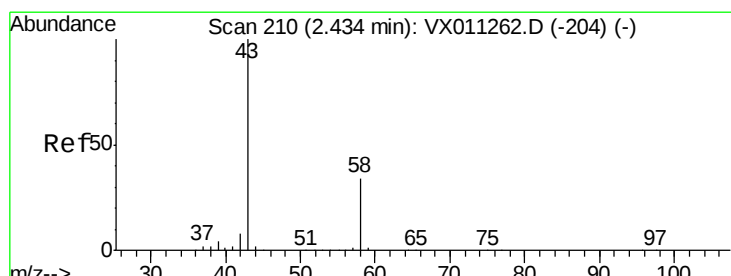
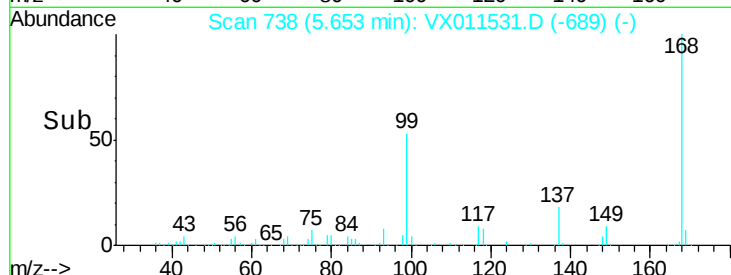
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.881 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011531.D

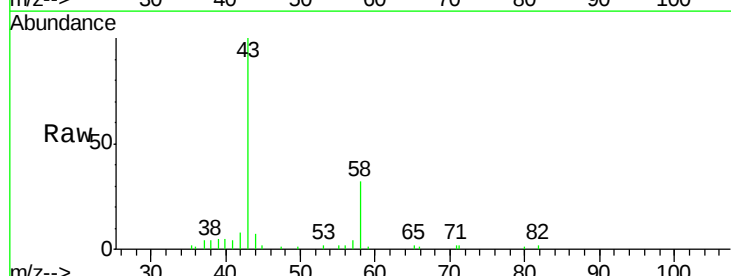
Acq: 13 Aug 2019 13:20

Tgt Ion: 43 Resp: 9398

Ion Ratio Lower Upper

43 100

58 30.5 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

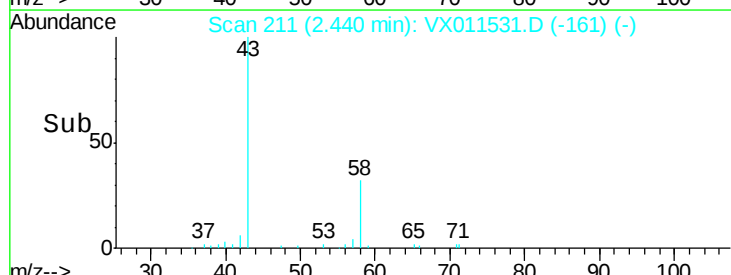
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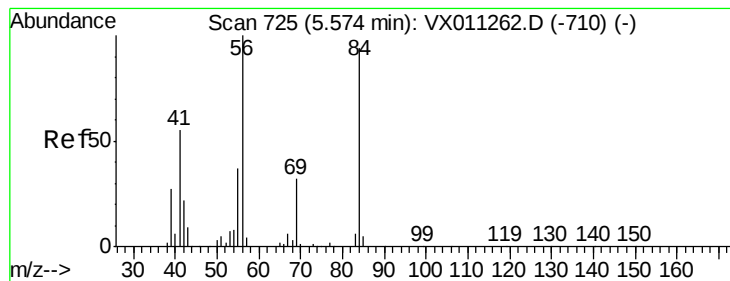
10000

5000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 306.124 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

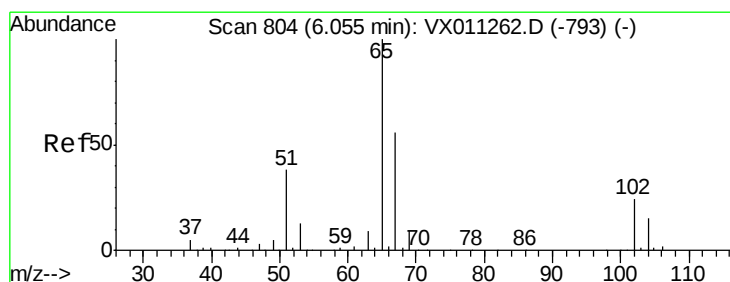
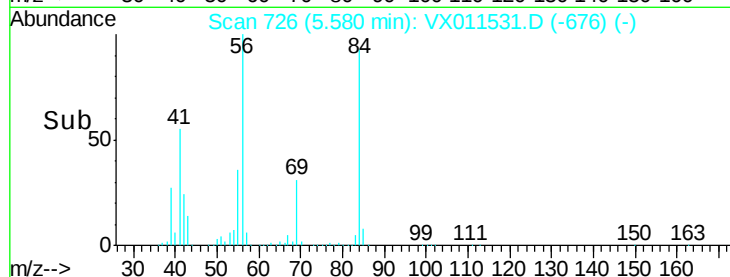
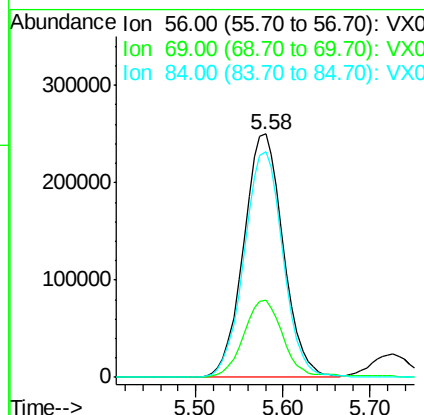
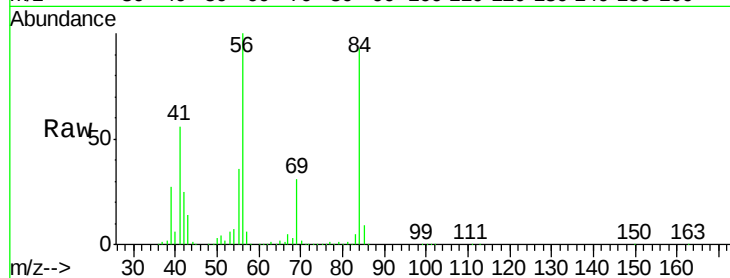
ClientSampleId :

Z3-0671

Tot Ion	56	Resp	787757
Ion Ratio	Lower	Upper	
56	100		
69	31.3	25.5	38.3
84	93.0	75.0	112.4

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#33

1,2-Dichloroethane-d4

Concen: 52.783 ug/l

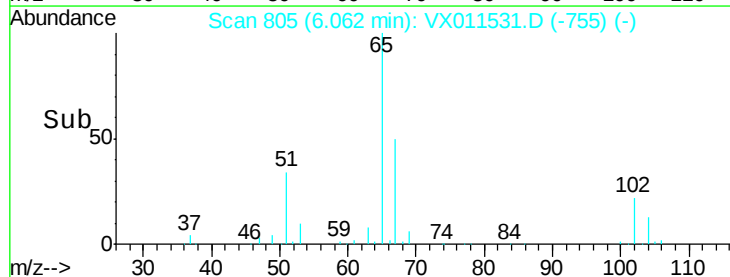
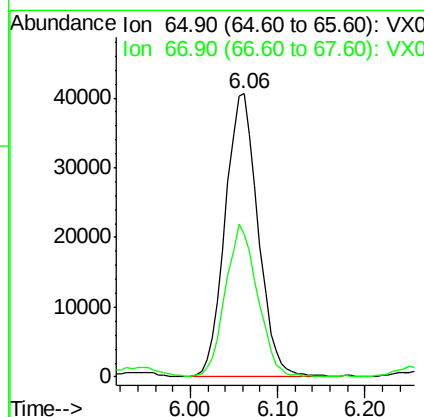
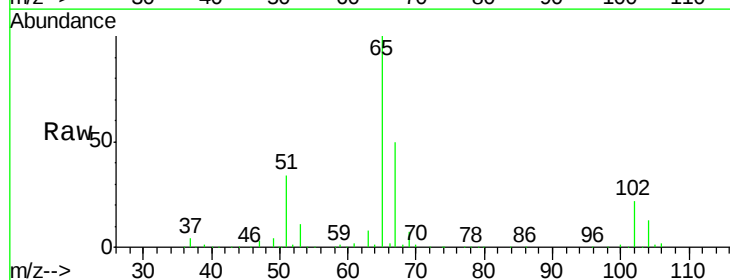
RT: 6.06 min Scan# 805

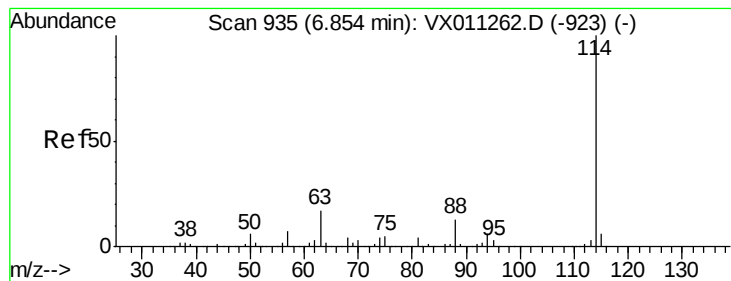
Delta R.T. 0.01 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Tgt Ion	65	Resp	105474
Ion Ratio	Lower	Upper	
65	100		
67	52.5	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: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

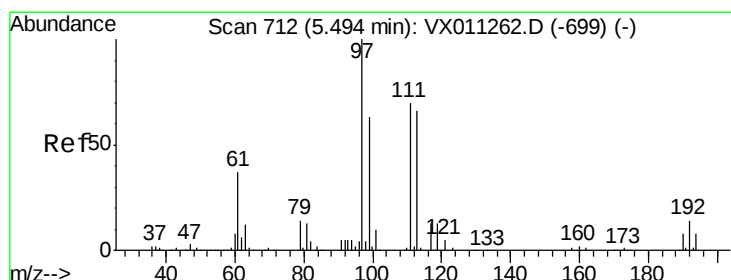
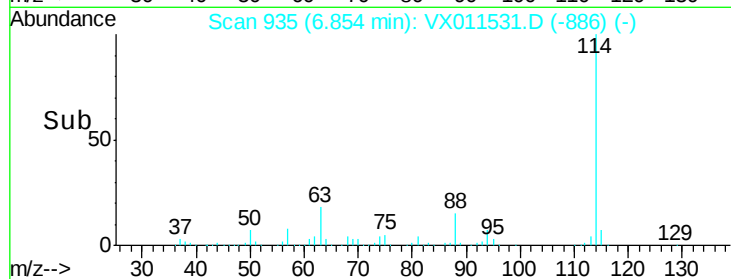
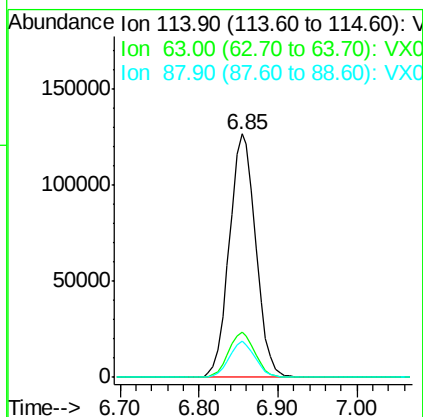
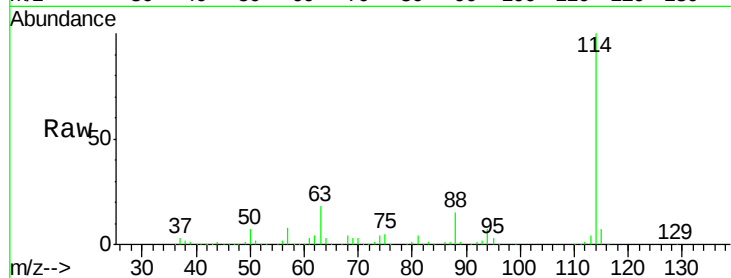
ClientSampleId :

Z3-0671

Tot Ion:	114	Resp:	294602
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	34.0
88	14.8	0.0	26.4

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#35

Dibromofluoromethane

Concen: 45.983 ug/l

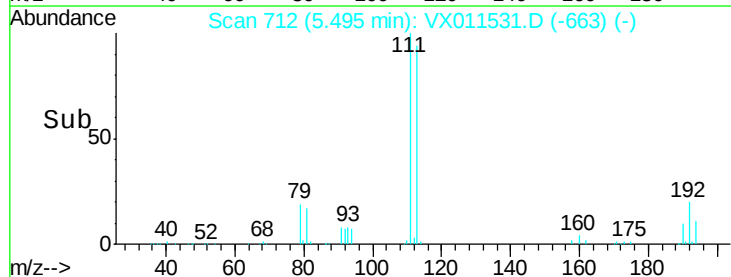
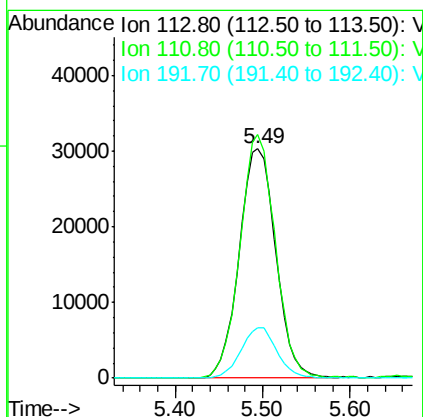
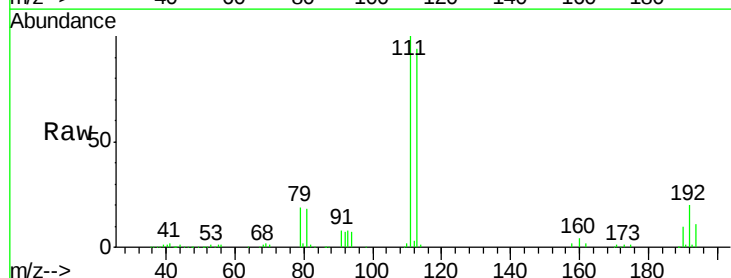
RT: 5.49 min Scan# 712

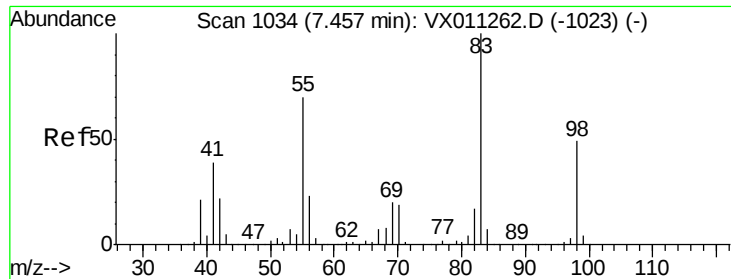
Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Tgt Ion:	113	Resp:	88444
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.9	122.9
192	21.7	17.8	26.8





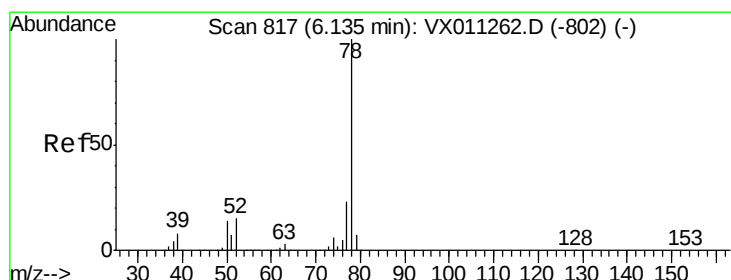
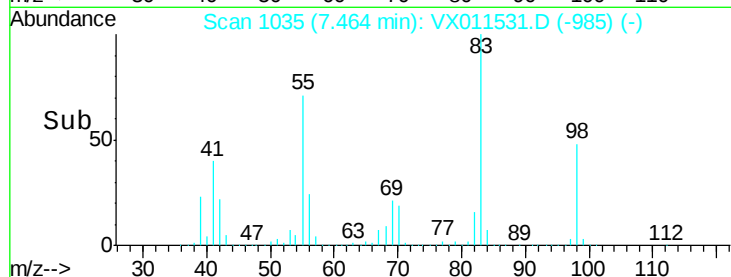
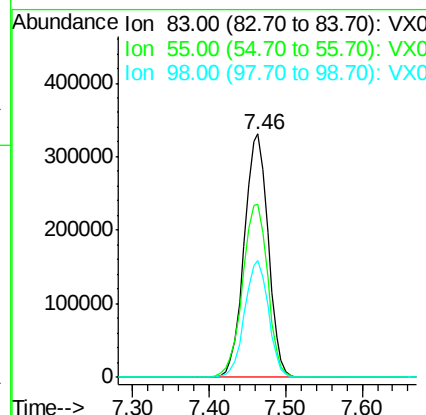
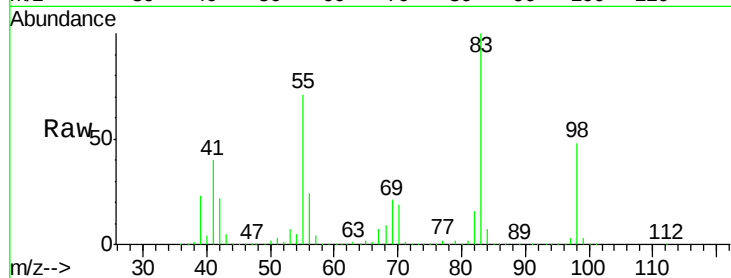
#39
Methvlcvclohexane
Concen: 234.983 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion	Ratio	Resp	Lower	Upper
83	100	716430		
55	71.1		56.1	84.1
98	47.8		39.0	58.4

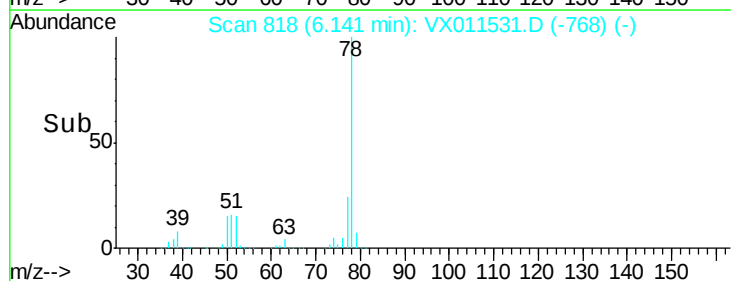
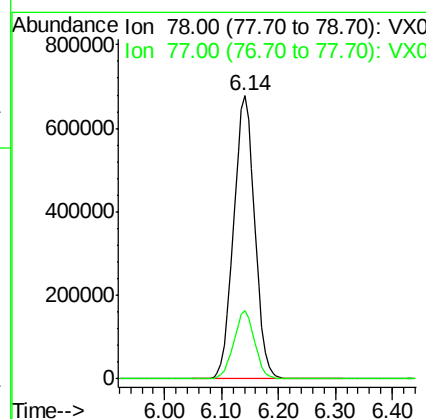
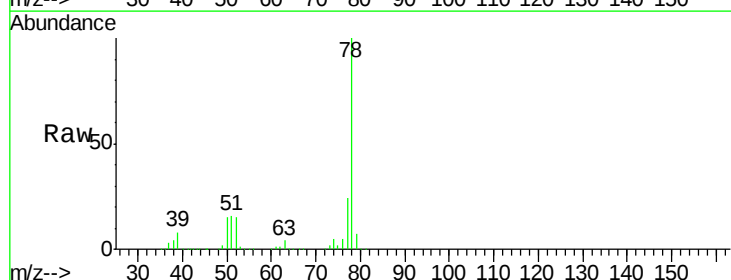
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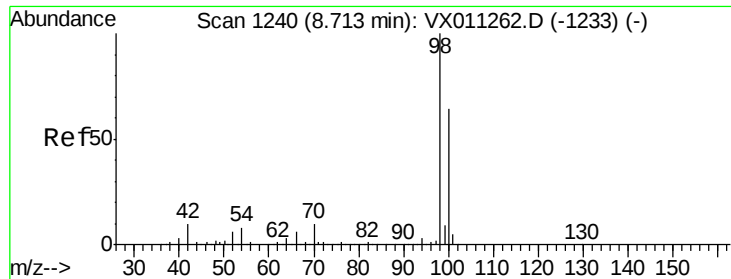
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#40
Benzene
Concen: 228.304 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1752350		
77	24.0		18.2	27.2





#50

Toluene-d8

Concen: 48.202 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tot Ion: 98 Resp: 349960

Ion Ratio Lower Upper

98 100

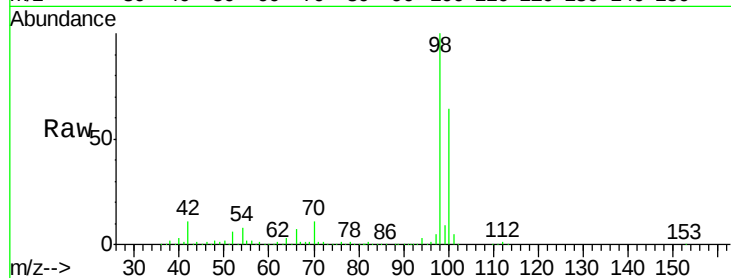
100 63.9 51.7 77.5

Manual Integrations

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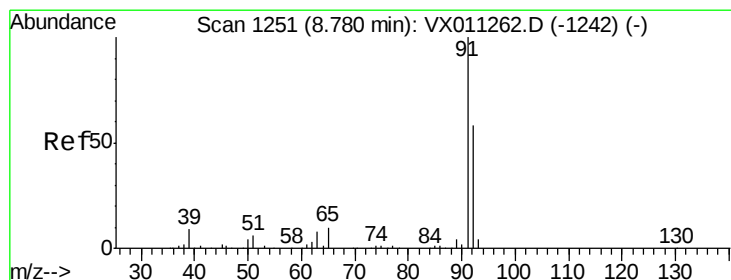
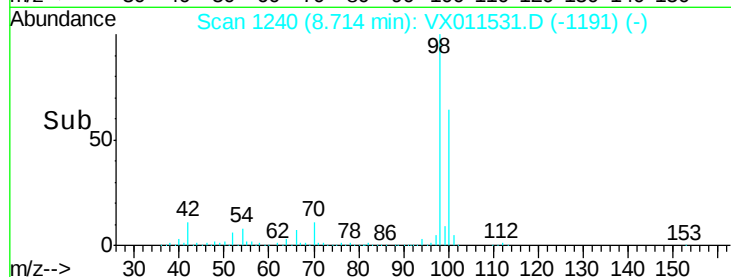
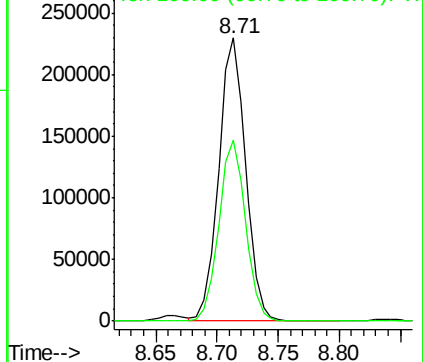
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 1.288 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011531.D

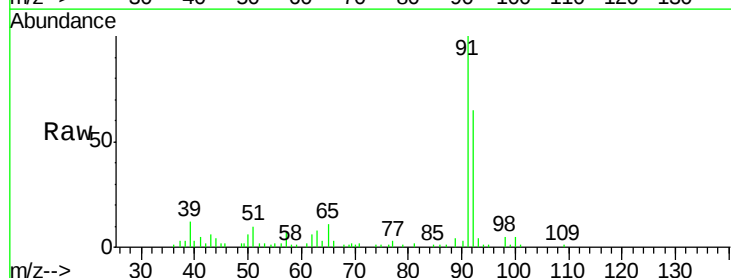
Acq: 13 Aug 2019 13:20

Tgt Ion: 92 Resp: 6536

Ion Ratio Lower Upper

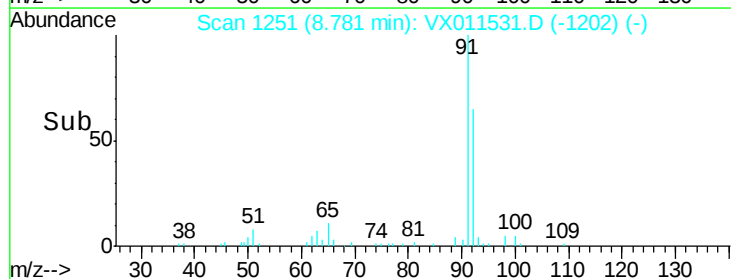
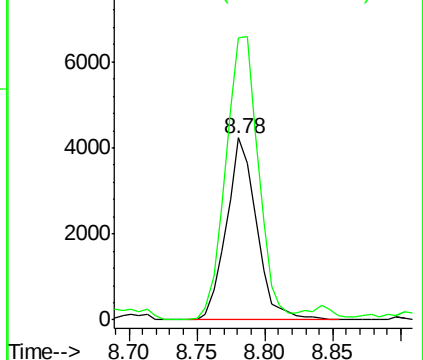
92 100

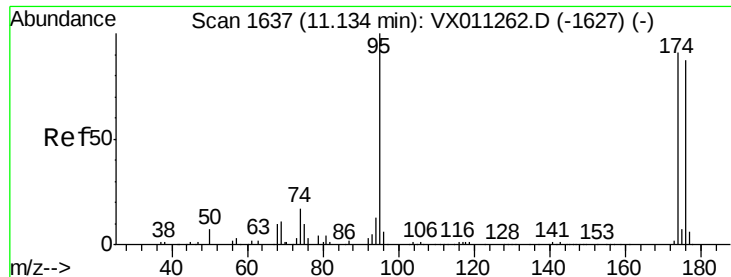
91 168.8 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.062 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

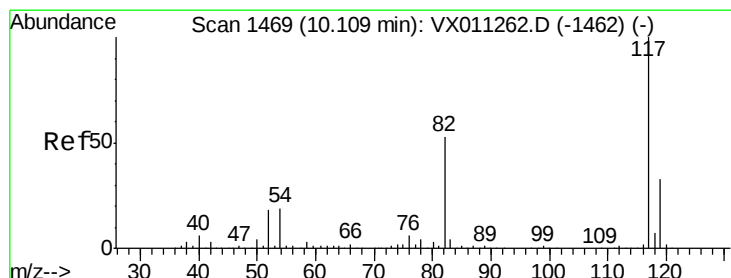
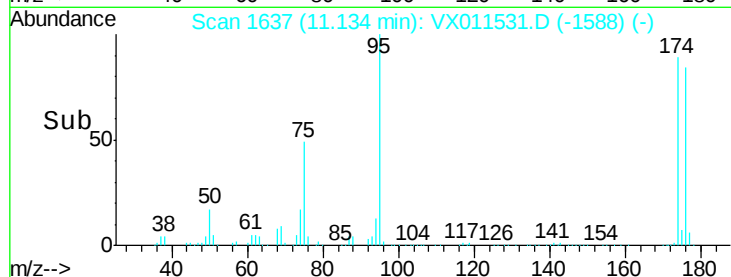
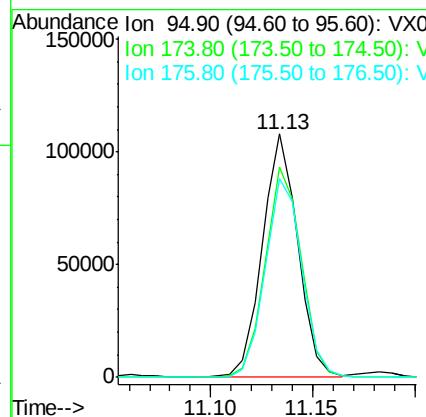
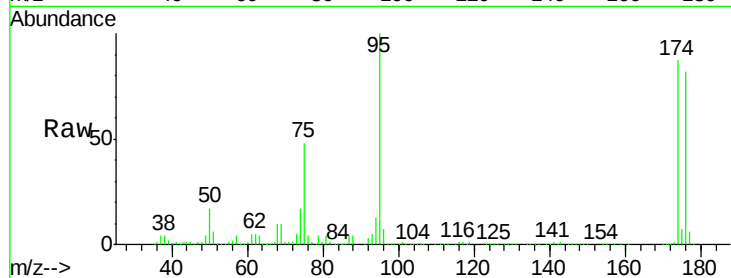
ClientSampled :

Z3-0671

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		129767		
174	89.0	0.0	191.2		
176	85.1	0.0	184.8		

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

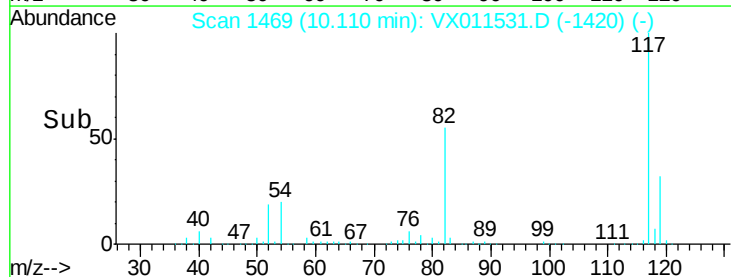
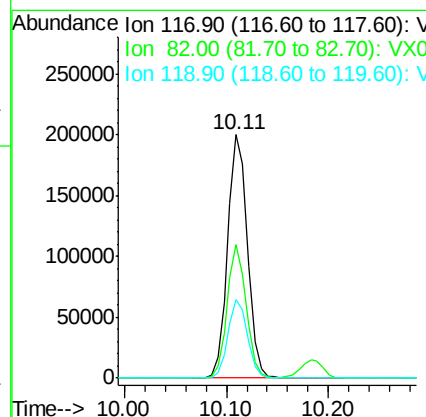
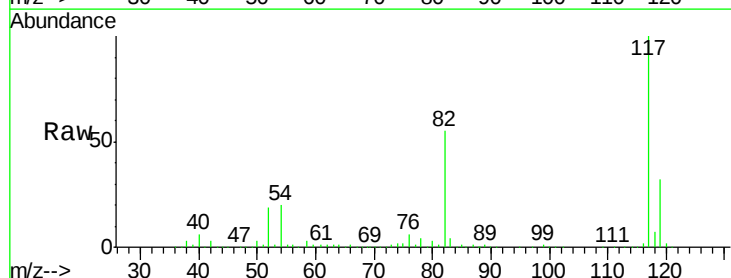
RT: 10.11 min Scan# 1469

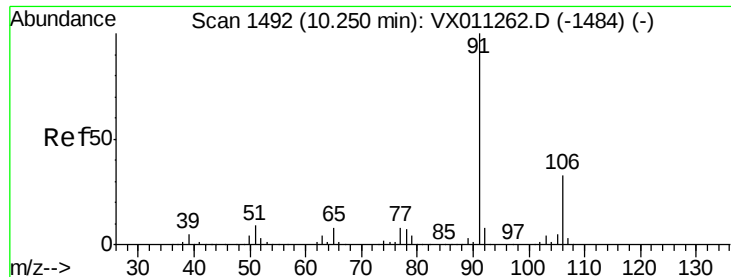
Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		270079		
82	54.8	42.2	63.2		
119	32.0	26.6	39.8		





#67

Ethyl Benzene

Concen: 457.040 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion: 91 Resp: 4432470

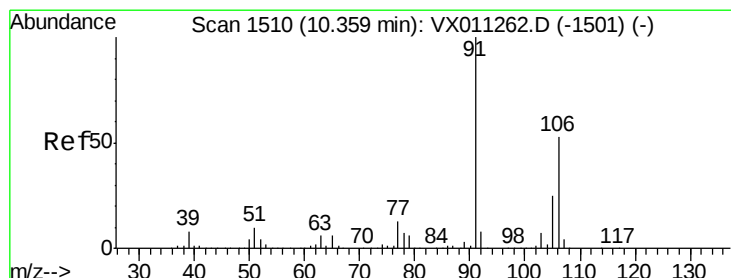
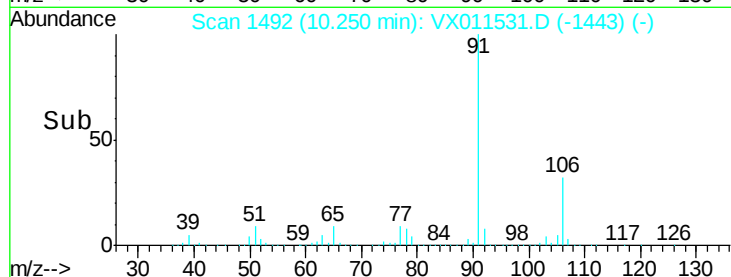
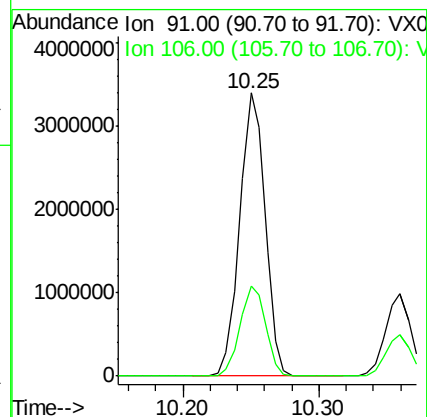
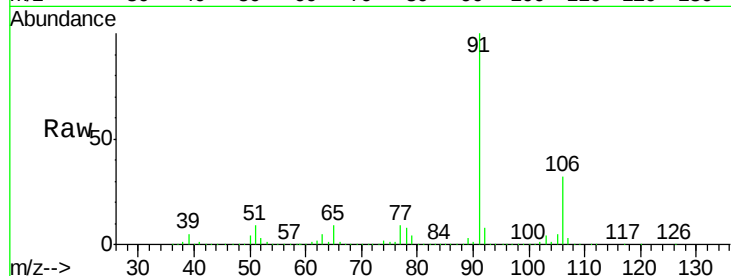
Ion Ratio Lower Upper

91 100

106 32.0 26.2 39.4

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#68

m/p-Xylenes

Concen: 169.224 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011531.D

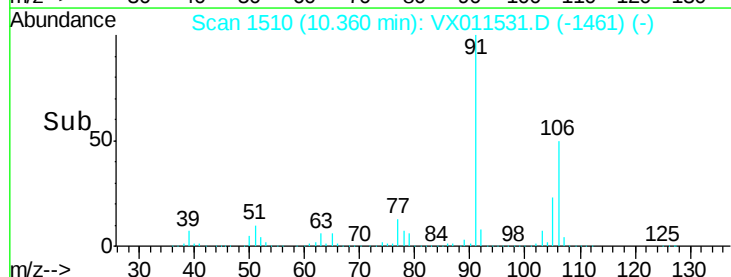
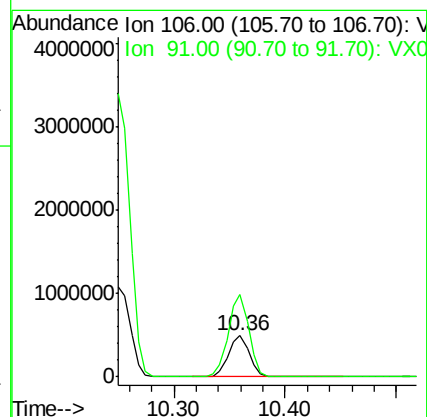
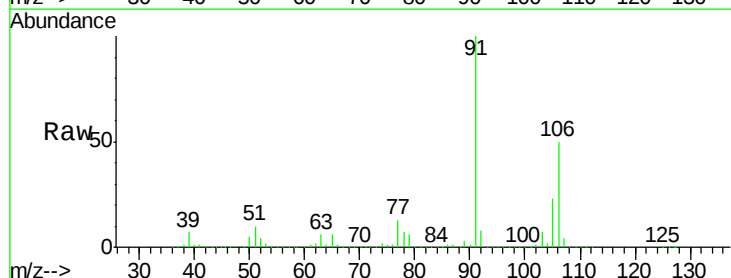
Acq: 13 Aug 2019 13:20

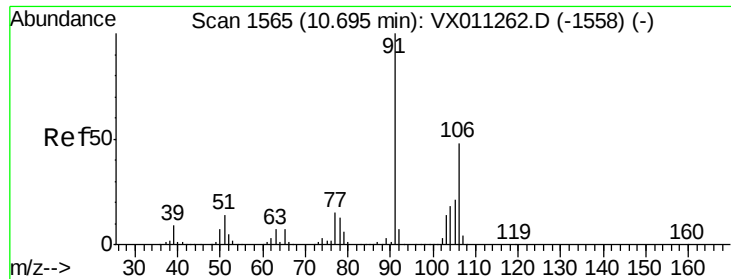
Tgt Ion: 106 Resp: 634803

Ion Ratio Lower Upper

106 100

91 199.2 155.9 233.9





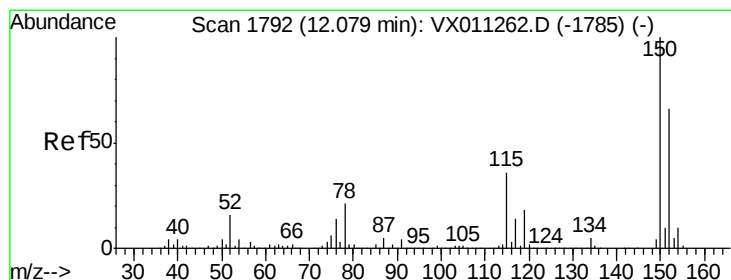
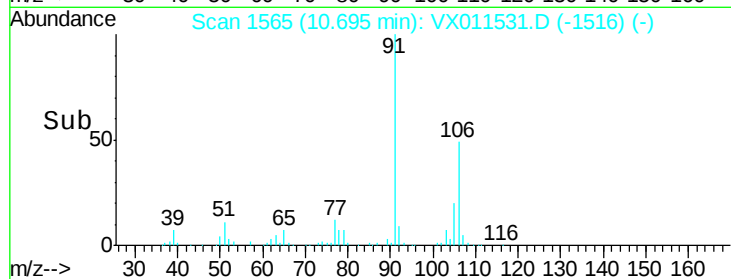
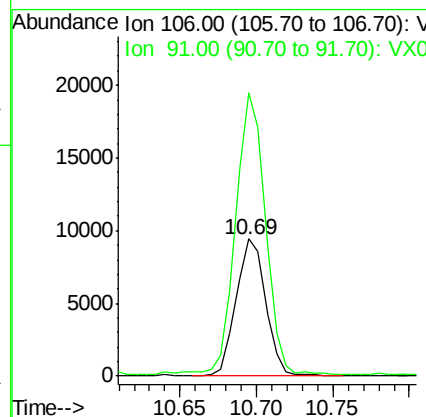
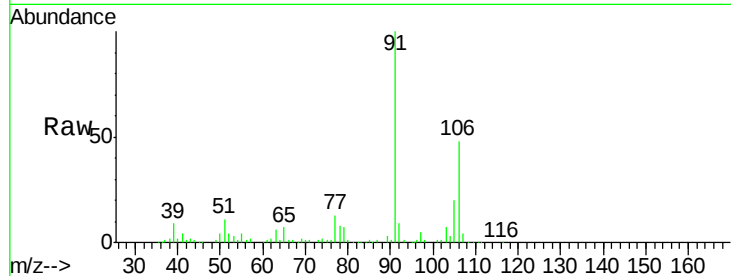
#69
o-Xylene
Concen: 3.451 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.6	103.8	311.3

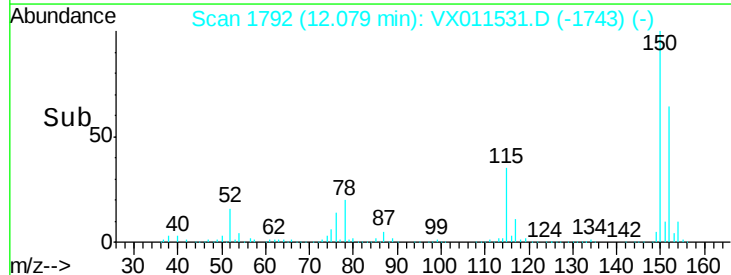
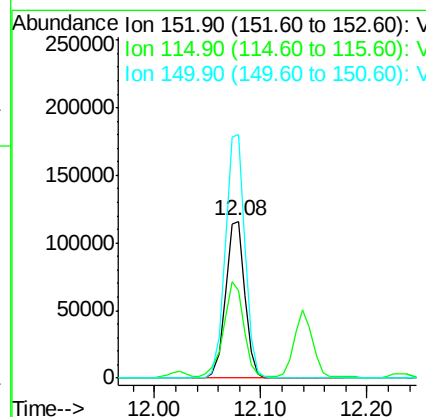
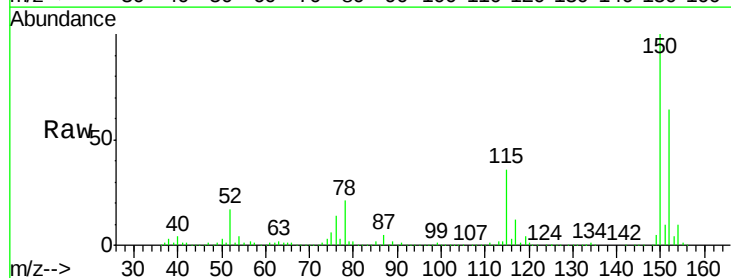
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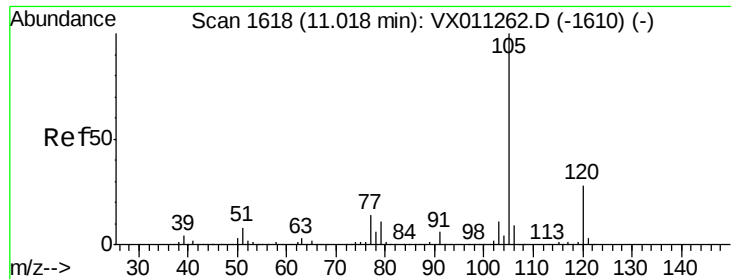
MMDadoda
8/14/2019 11:31:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	40.0	119.9
150	156.9	0.0	350.4





#73

Isopropylbenzene

Concen: 44.758 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

Z3-0671

Tot Ion:105 Resp: 449208

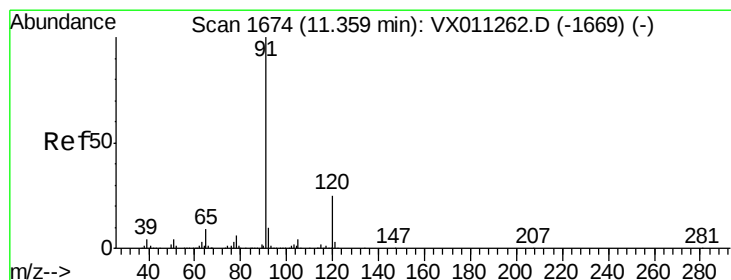
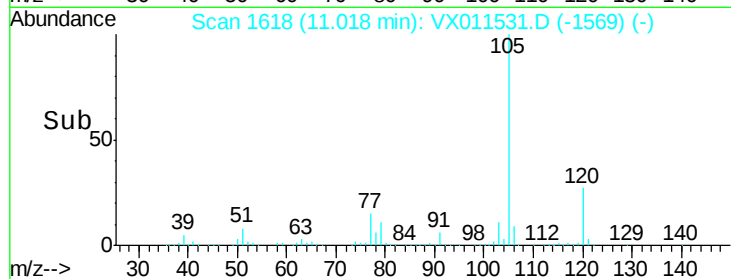
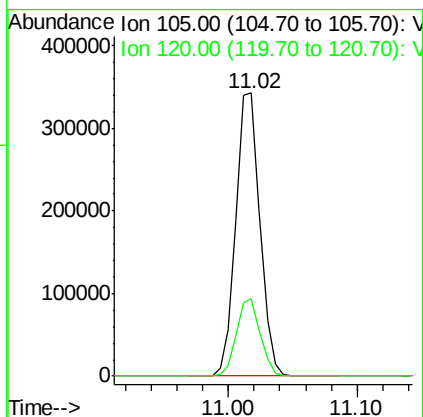
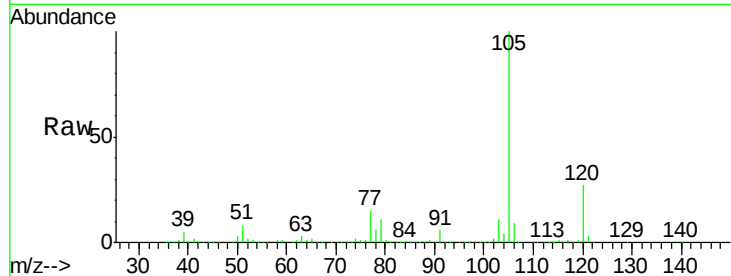
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1

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#78

n-propylbenzene

Concen: 53.819 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011531.D

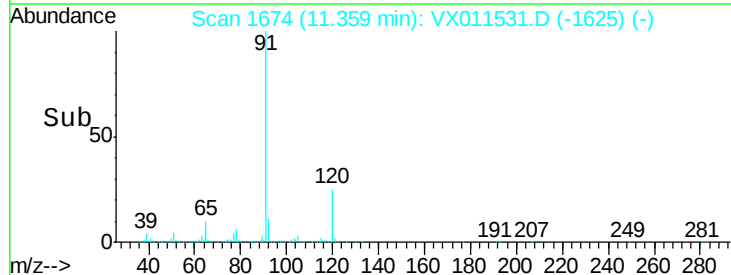
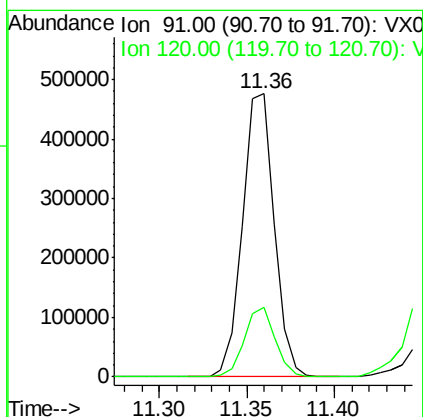
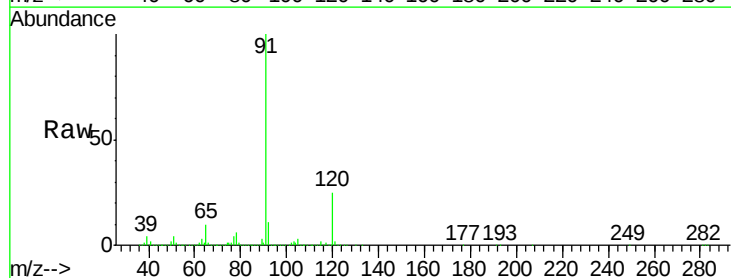
Acq: 13 Aug 2019 13:20

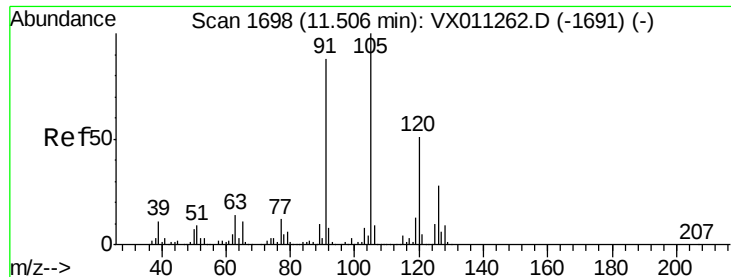
Tgt Ion: 91 Resp: 600678

Ion Ratio Lower Upper

91 100

120 23.8 12.4 37.0





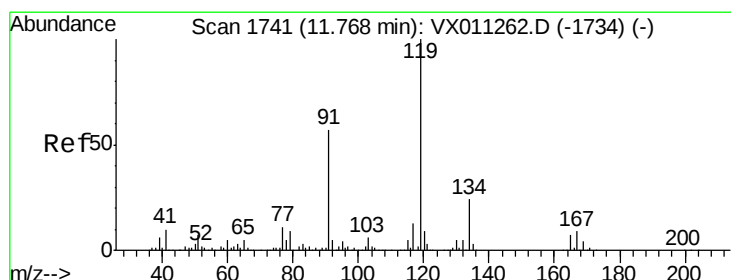
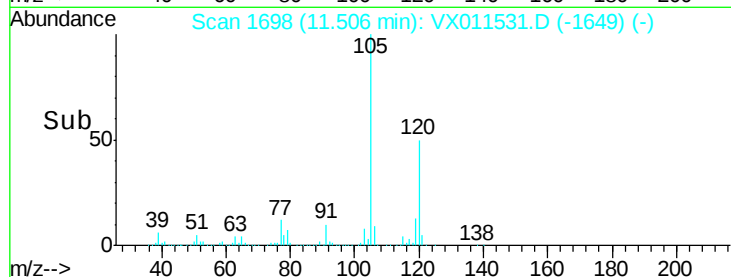
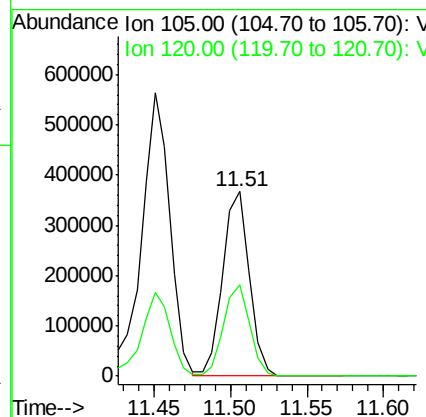
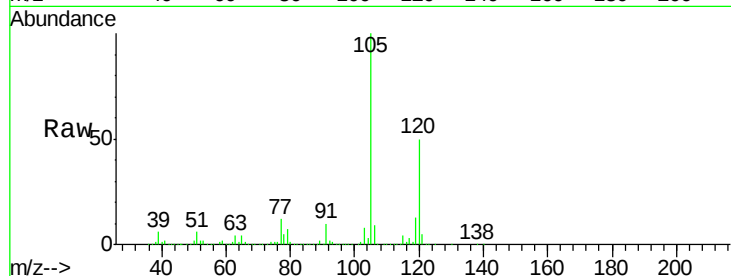
#80
 1,3,5-Trimethylbenzene
 Concen: 52.643 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0671

Tot Ion:105 Resp: 442280
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.1 75.2

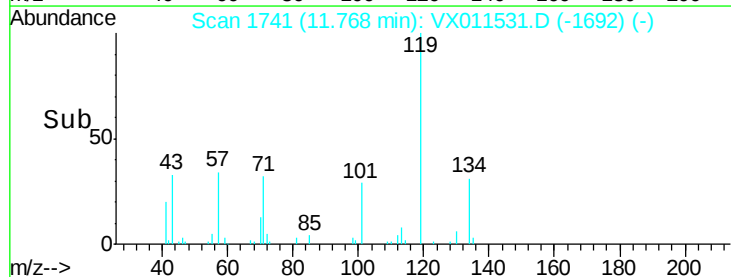
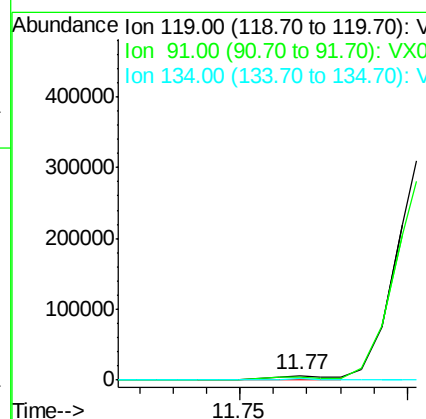
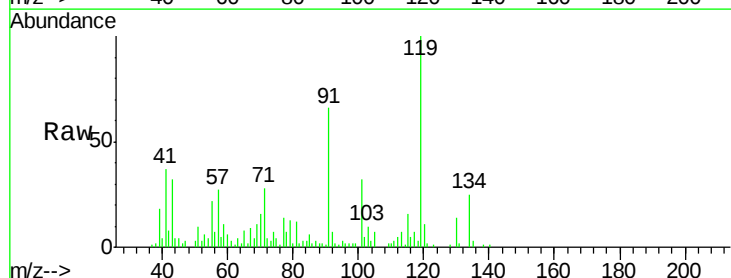
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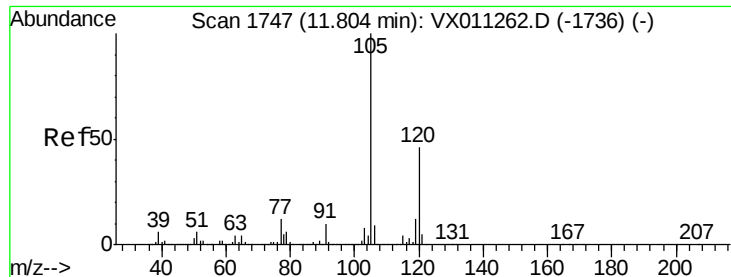
MMDadoda
 8/14/2019 11:31:32 AM



#83
 tert-Butylbenzene
 Concen: 0.950 ug/l m
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011531.D
 Acq: 13 Aug 2019 13:20

Tgt Ion:119 Resp: 7829
 Ion Ratio Lower Upper
 119 100
 91 4768.2 28.0 84.0#
 134 0.0 11.9 35.5#





#84

1,2,4-Trimethylbenzene

Concen: 412.982 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011531.D

Acq: 13 Aug 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

Z3-0671

Tot Ion:105 Resp: 3454503

Ion Ratio Lower Upper

105 100

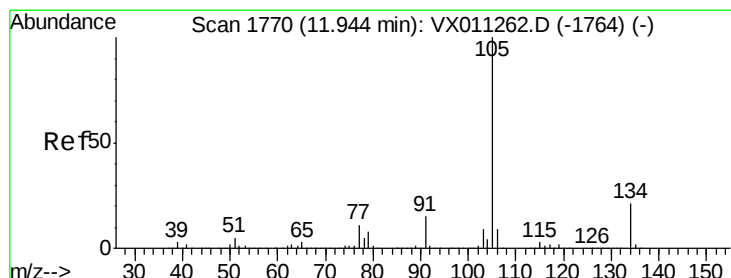
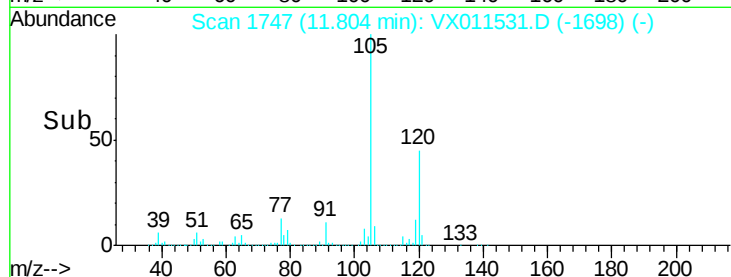
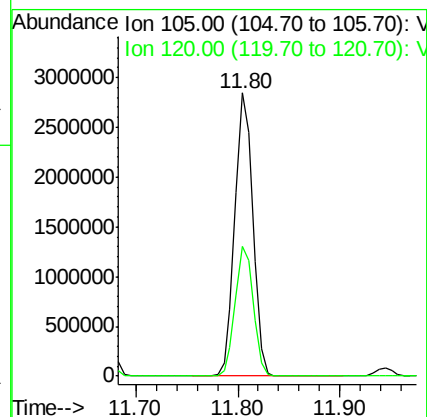
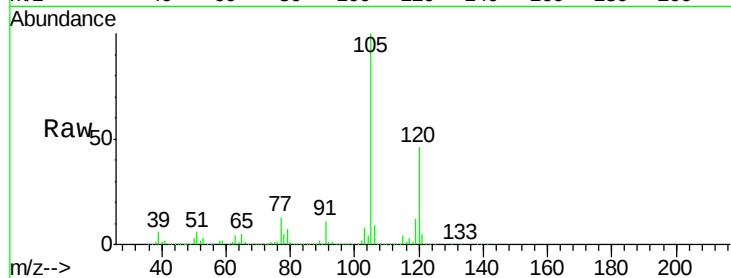
120 46.0 23.0 69.0

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#85

sec-Butylbenzene

Concen: 9.753 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011531.D

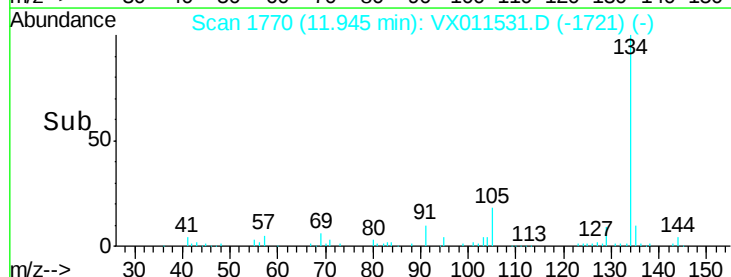
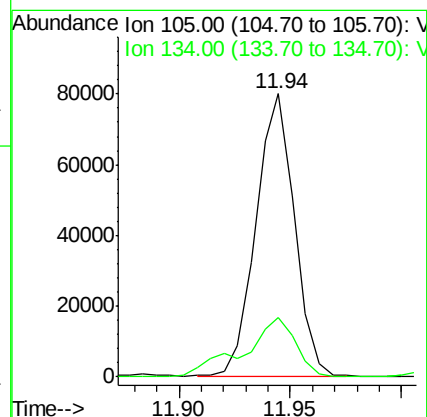
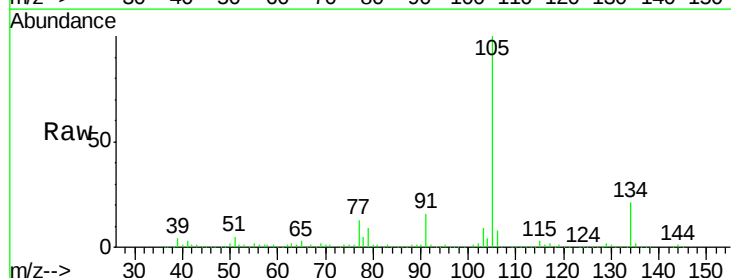
Acq: 13 Aug 2019 13:20

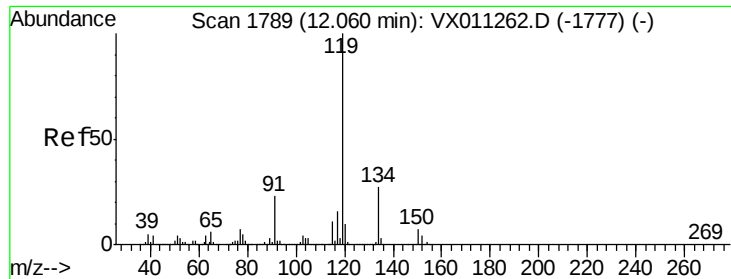
Tgt Ion:105 Resp: 96557

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#





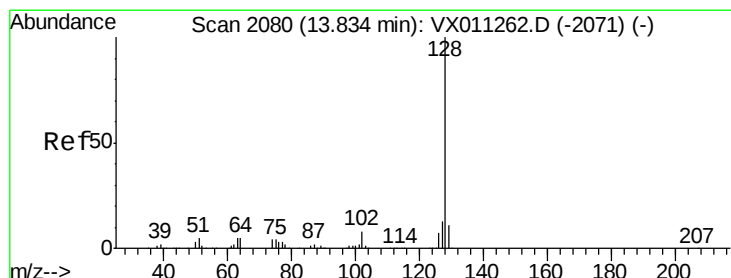
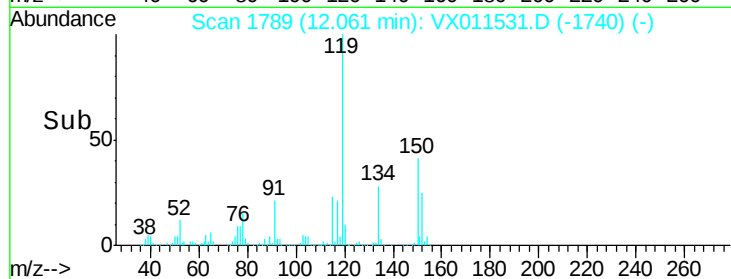
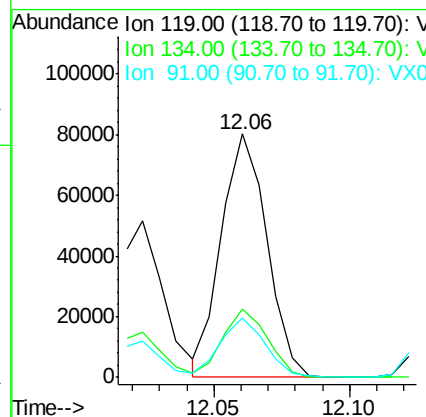
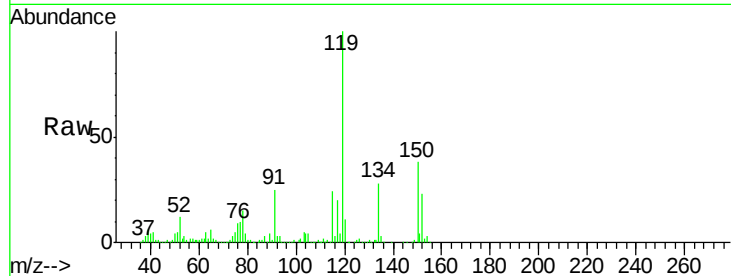
#86
p-Isopropyltoluene
Concen: 10.222 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Instrument :
MSVOA_X
ClientSampled :
Z3-0671

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.7	41.0
91	23.7	11.4	34.2

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#95
Naphthalene
Concen: 68.734 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011531.D
Acq: 13 Aug 2019 13:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.4	8.9	13.3

