

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\
 Data File : VX008647.D
 Acq On : 04 Apr 2019 19:37
 Operator : JC/SP
 Sample : K2275-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0711

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 11:12:27 AM

Quant Time: Apr 05 08:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359080	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	148690	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.50	113	108770	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	8.71	98	455401	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	157413	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	66511	19.506	ug/l	98
11) Tert butyl alcohol	3.04	59	15194	20.306	ug/l #	72
16) Acetone	2.44	43	4967	2.698	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	24837	9.064	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	69447	22.043	ug/l	89
31) Cyclohexane	5.58	56	277728	50.292	ug/l	98
39) Methylcyclohexane	7.46	83	172494	35.575	ug/l	98
40) Benzene	6.14	78	256465	21.933	ug/l	100
44) Trichloroethene	7.21	130	31172	11.446	ug/l	99
52) Toluene	8.79	92	4047	0.587	ug/l	97
65) Chlorobenzene	10.14	112	5729	0.829	ug/l #	85
67) Ethyl Benzene	10.25	91	2060127	159.861	ug/l	98
68) m/p-Xylenes	10.36	106	17847m	3.852	ug/l	
69) o-Xylene	10.70	106	2801	0.624	ug/l	86
73) Isopropylbenzene	11.02	105	382293	34.124	ug/l	100
78) n-propylbenzene	11.36	91	284570	21.816	ug/l	99
83) tert-Butylbenzene	11.77	119	6866	0.759	ug/l	85
84) 1,2,4-Trimethylbenzene	11.80	105	26653	2.799	ug/l	100
85) sec-Butylbenzene	11.94	105	55865	5.198	ug/l #	79
86) p-Isopropyltoluene	12.06	119	6007m	0.623	ug/l	
89) n-Butylbenzene	12.38	91	17694m	1.956	ug/l	
95) Naphthalene	13.83	128	36284	3.262	ug/l #	88

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

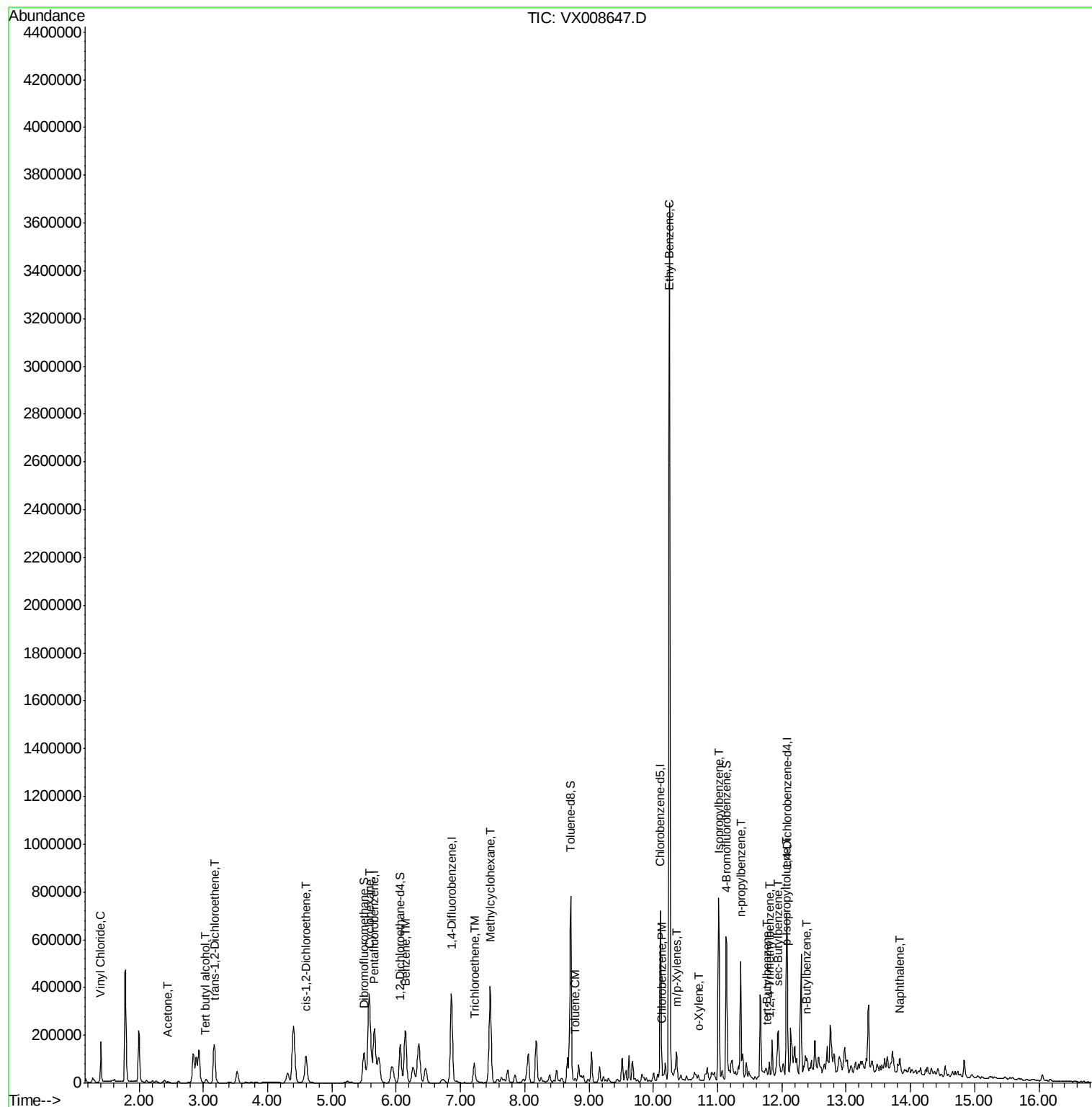
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040419\
Data File : VX008647.D
Acq On : 04 Apr 2019 19:37
Operator : JC/SP
Sample : K2275-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

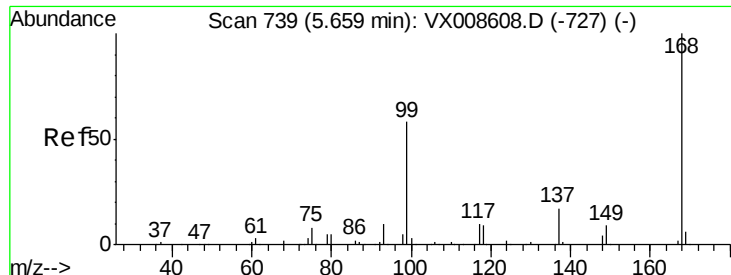
Instrument :
MSVOA_X
ClientSampleId :
S8-0711

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4/5/2019 11:12:27 AM

Quant Time: Apr 05 08:43:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

S8-0711

Tot Ion:168 Resp: 219133

Ion Ratio Lower Upper

168 100

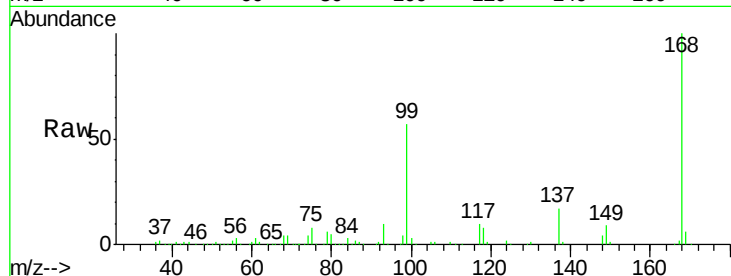
99 57.2 46.7 70.1

Manual Integrations

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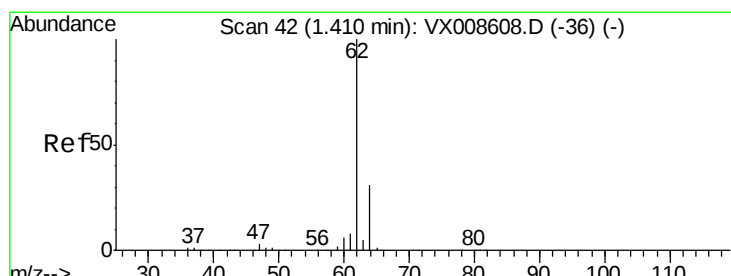
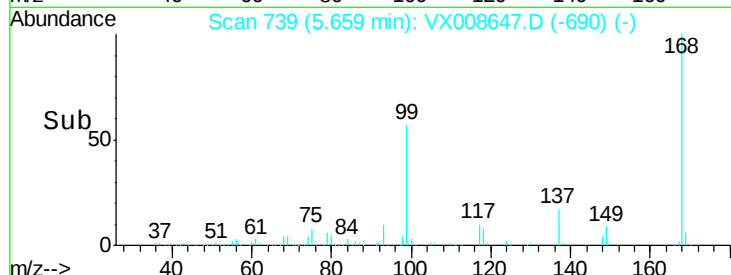
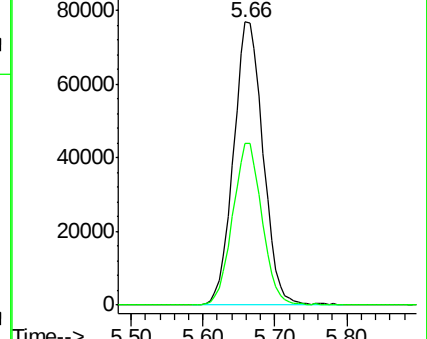
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 19.506 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008647.D

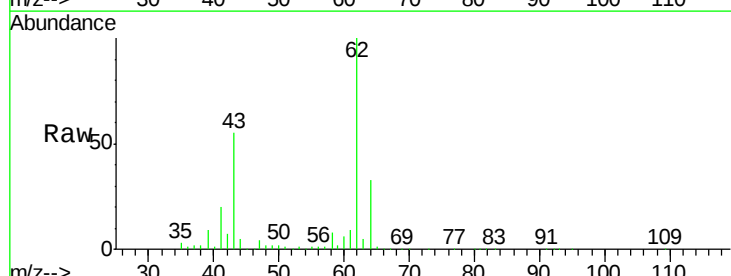
Acq: 04 Apr 2019 19:37

Tgt Ion: 62 Resp: 66511

Ion Ratio Lower Upper

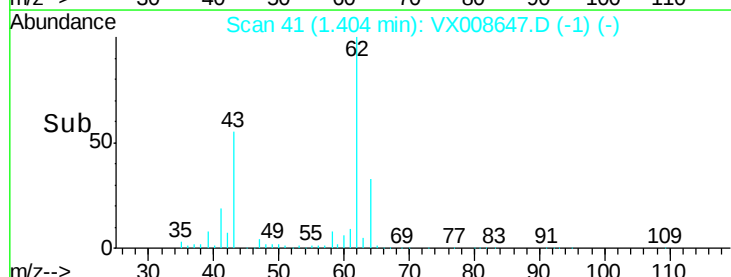
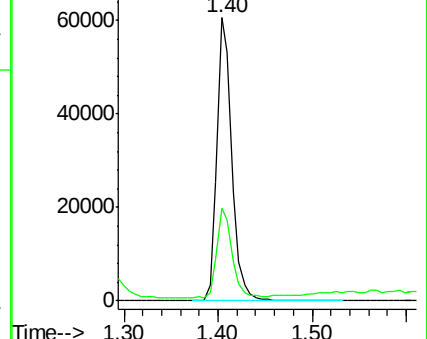
62 100

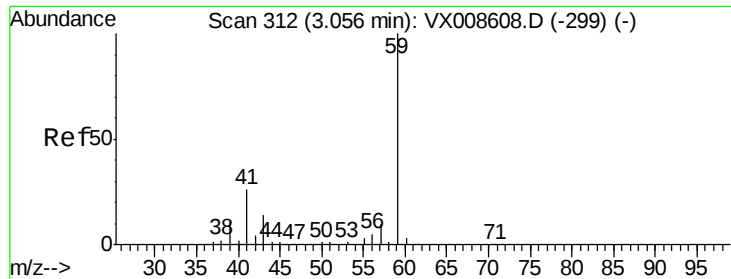
64 31.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





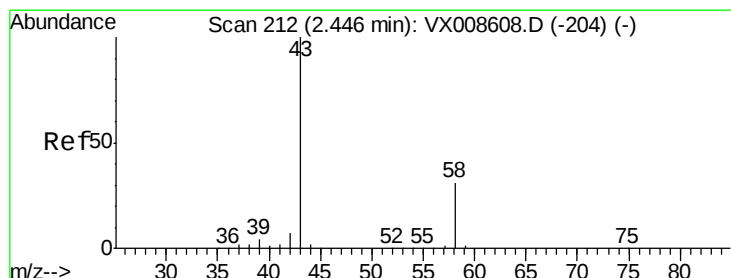
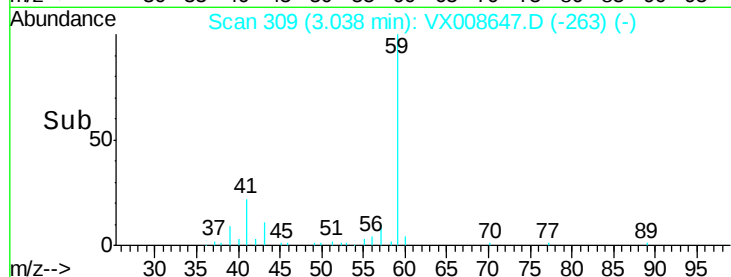
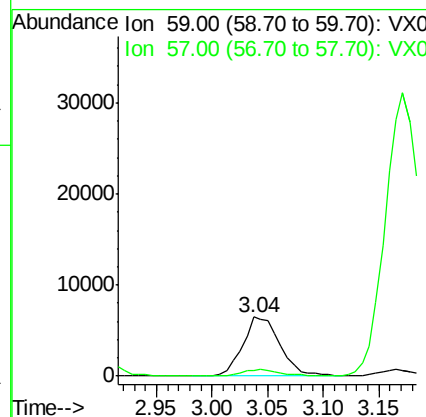
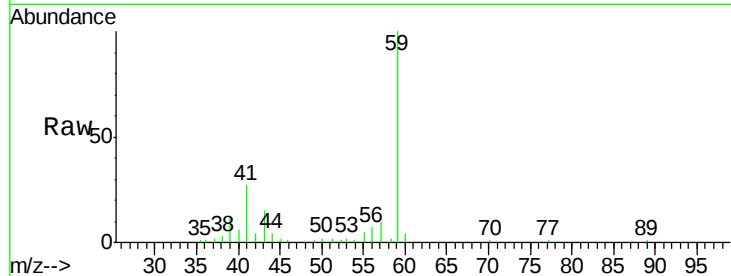
#11
Tert butyl alcohol
Concen: 20.306 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
S8-0711

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

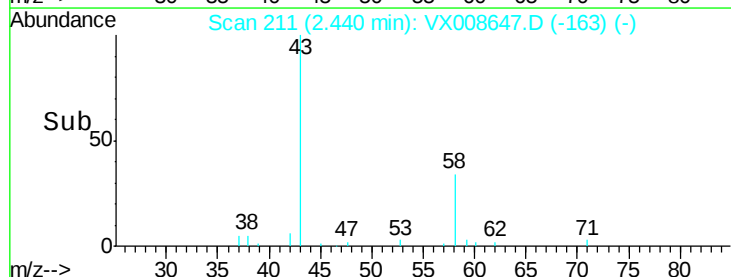
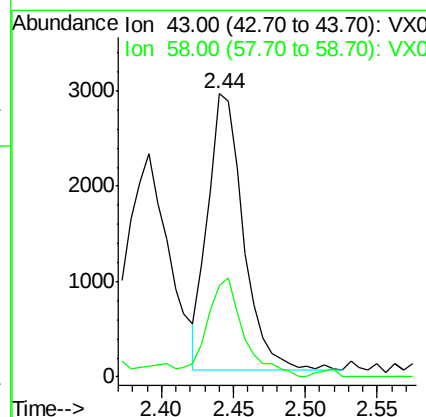
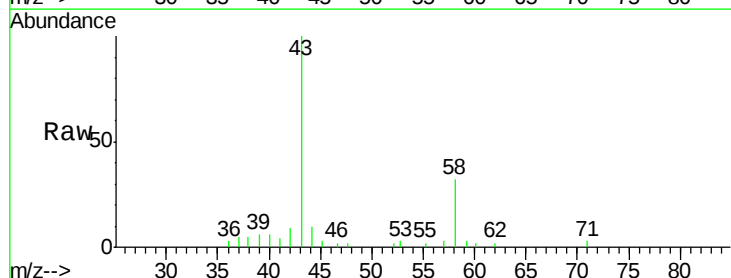
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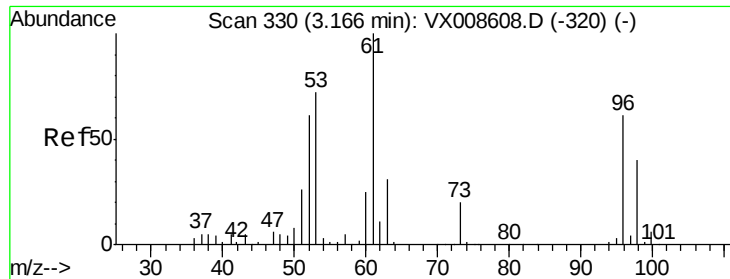
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#16
Acetone
Concen: 2.698 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.8	37.2





#21

trans-1,2-Dichloroethene

Concen: 9.064 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

S8-0711

Tot Ion: 96 Resp: 24837

Ion Ratio Lower Upper

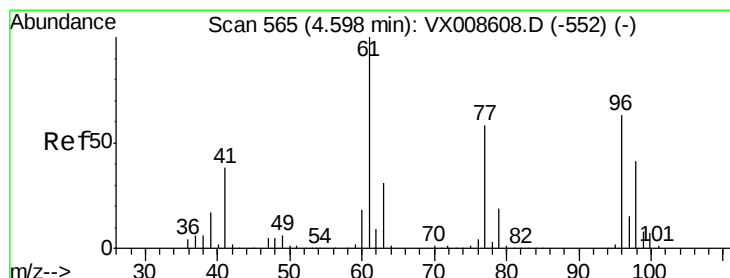
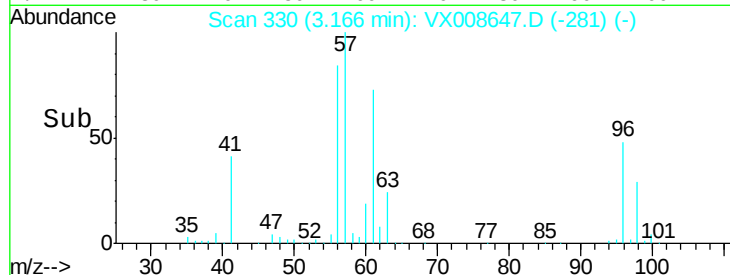
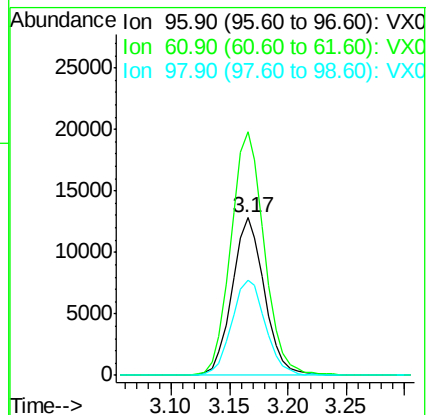
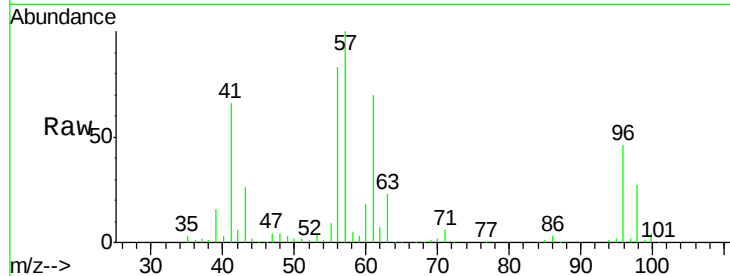
96 100

61 154.3 132.1 198.1

98 59.9 52.2 78.2

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#27

cis-1,2-Dichloroethene

Concen: 22.043 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

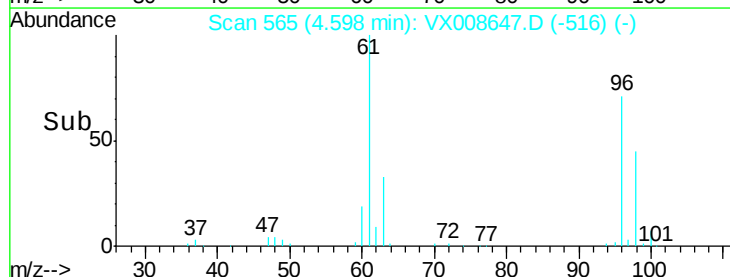
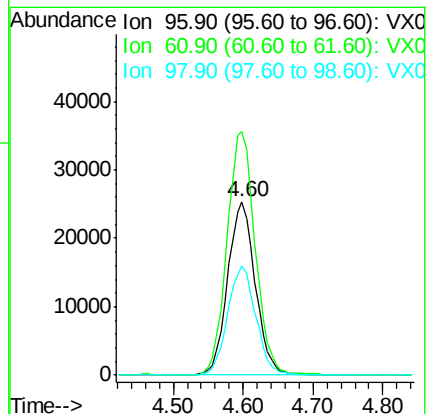
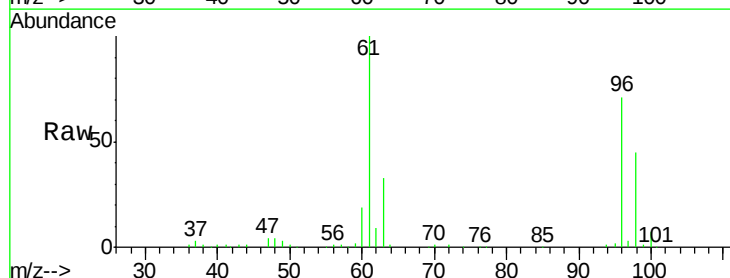
Tgt Ion: 96 Resp: 69447

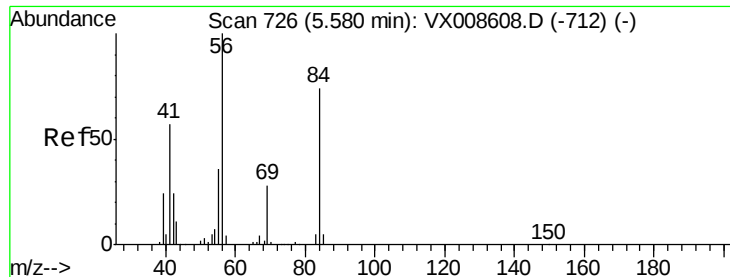
Ion Ratio Lower Upper

96 100

61 143.6 0.0 327.6

98 63.8 0.0 128.6





#31

Cyclohexane

Concen: 50.292 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

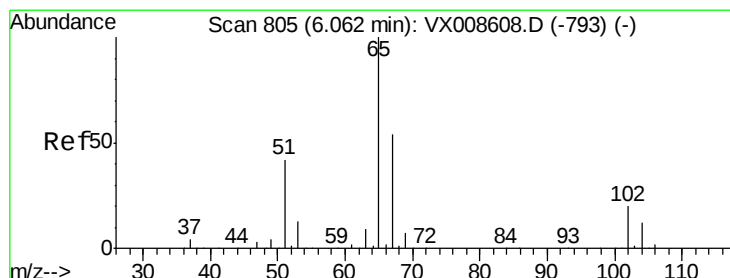
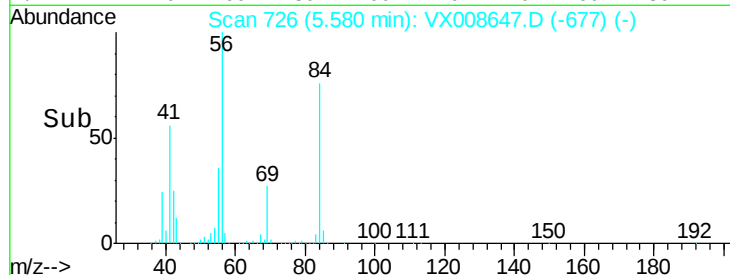
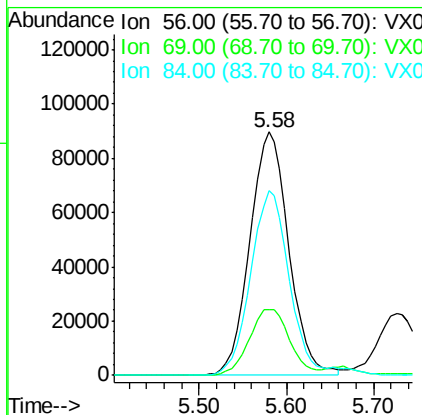
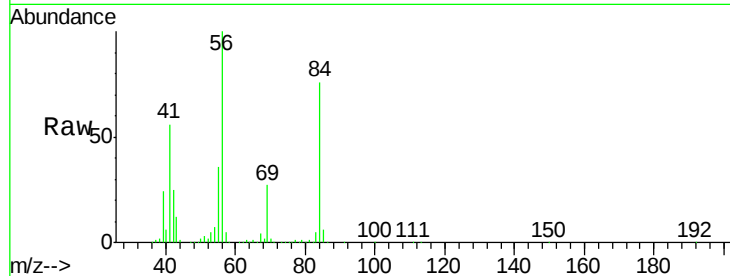
ClientSampleId :

S8-0711

Tot Ion:	56	Resp:	277728
Ion	Ratio	Lower	Upper
56	100		
69	27.0	22.6	33.8
84	75.9	59.3	88.9

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#33

1,2-Dichloroethane-d4

Concen: 46.521 ug/l

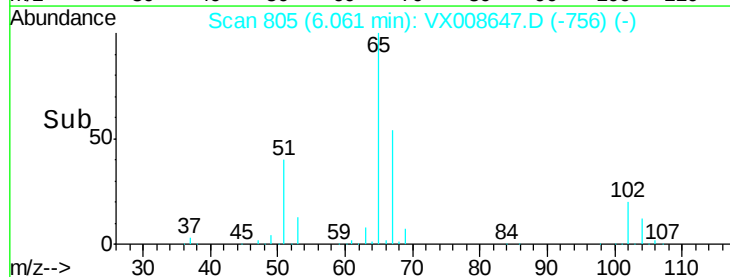
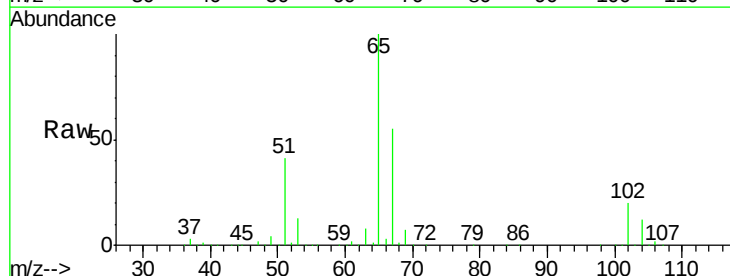
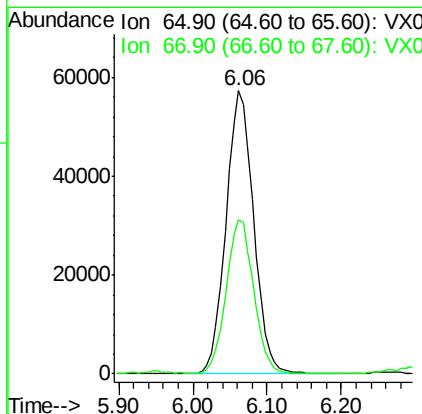
RT: 6.06 min Scan# 805

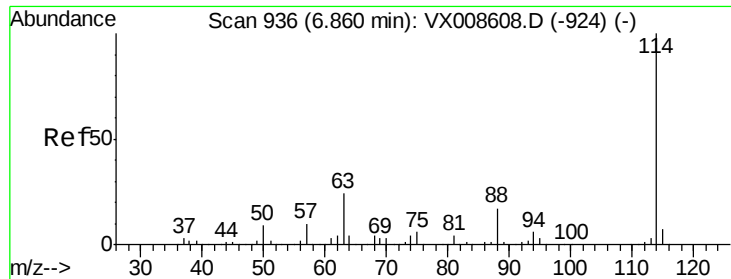
Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Tgt Ion:	65	Resp:	148690
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.2





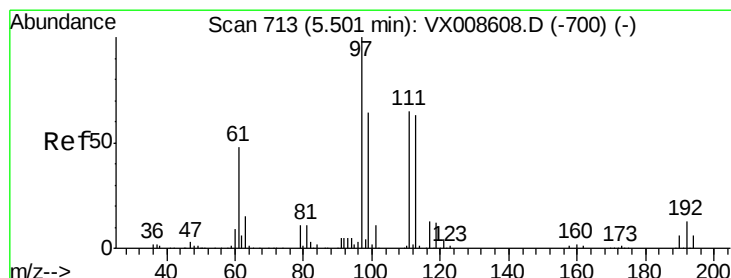
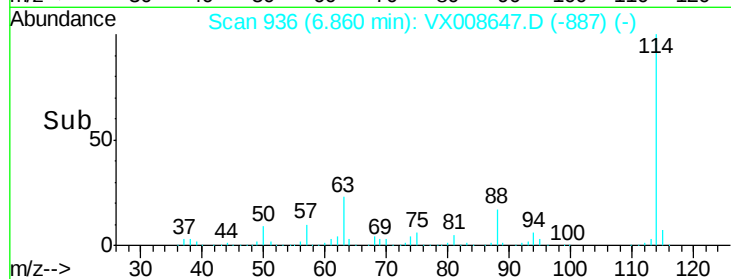
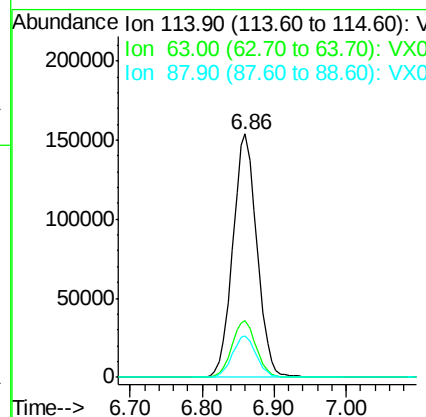
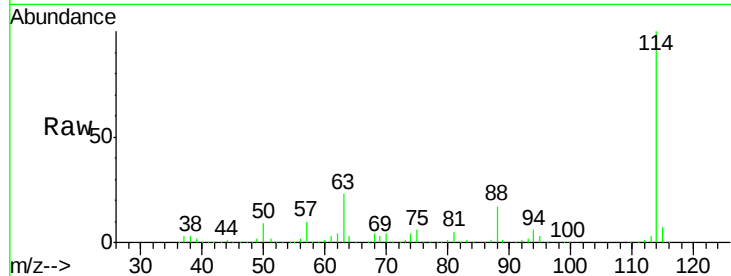
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
S8-0711

Tot Ion	Ratio	Resp	Lower	Upper
114	100	359080		
63	23.1	0.0	47.2	
88	17.2	0.0	34.0	

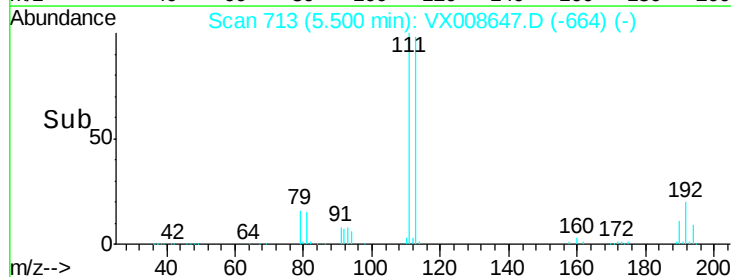
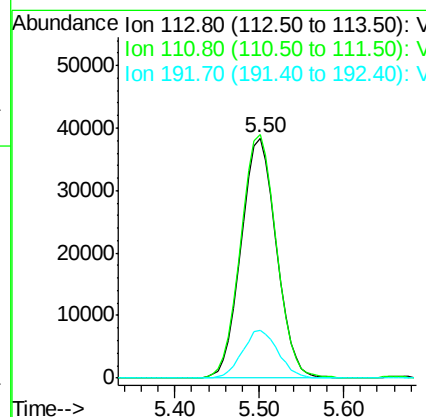
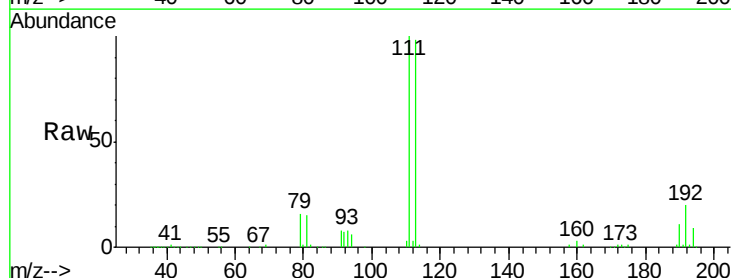
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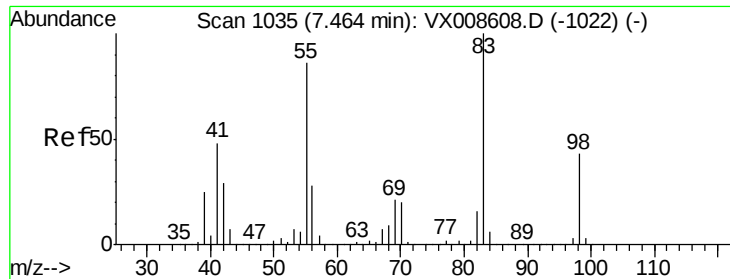
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#35
Dibromofluoromethane
Concen: 47.377 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	108770		
111	102.7	83.4	125.2	
192	20.2	16.1	24.1	





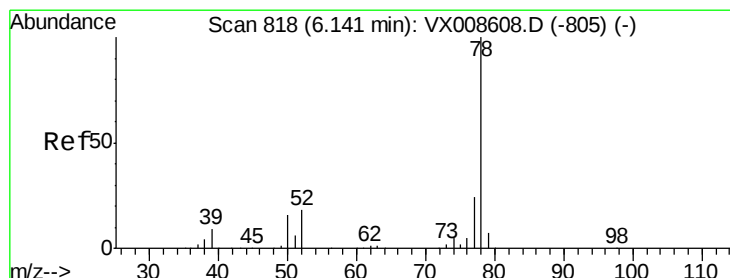
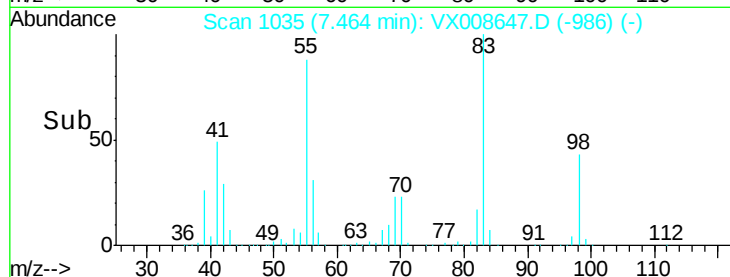
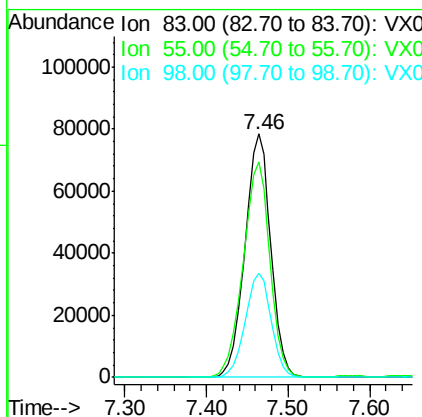
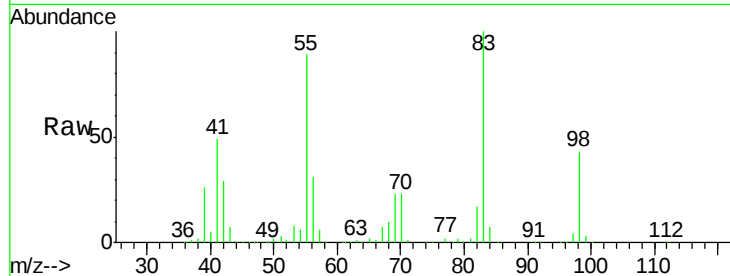
#39
Methvlcvclohexane
Concen: 35.575 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampled :
S8-0711

Tot Ion	83	Resp	172494
Ion Ratio	Lower	Upper	
83	100		
55	88.6	69.0	103.6
98	42.8	34.4	51.6

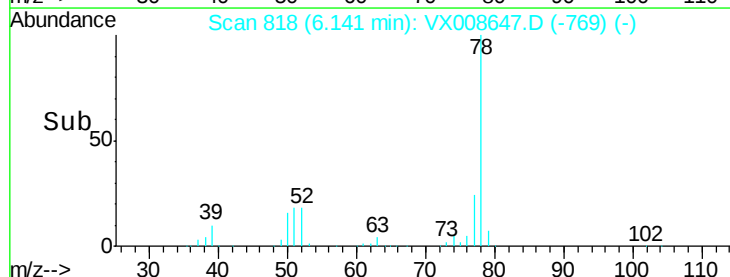
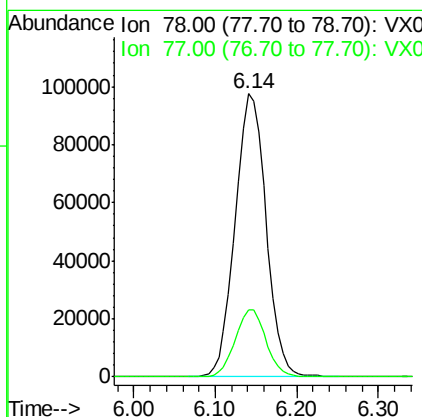
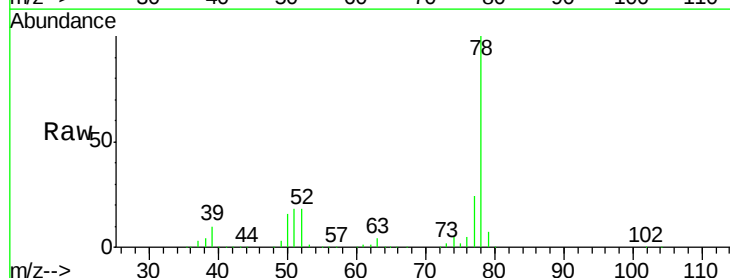
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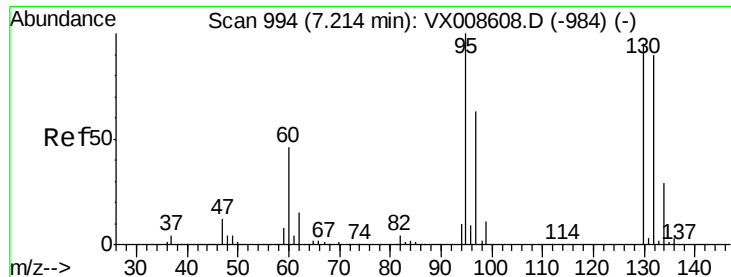
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#40
Benzene
Concen: 21.933 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	78	Resp	256465
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7





#44

Trichloroethene

Concen: 11.446 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

S8-0711

Tot Ion:130 Resp: 31172

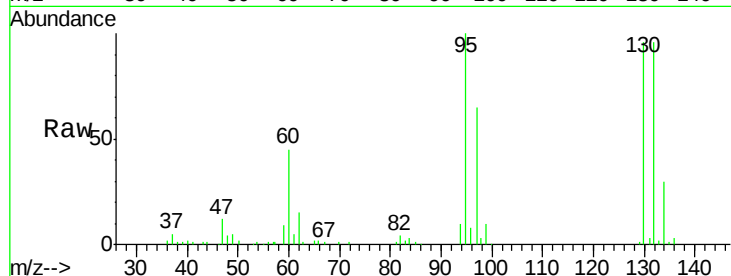
Ion Ratio Lower Upper

130 100

95 103.8 0.0 209.8

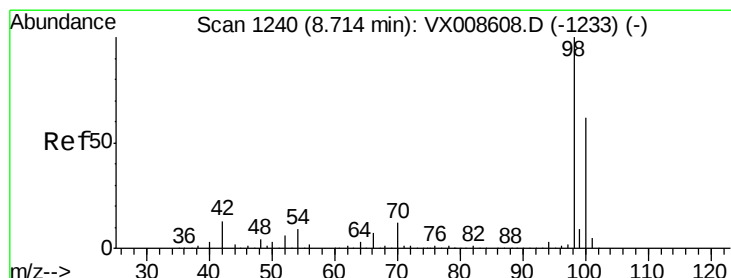
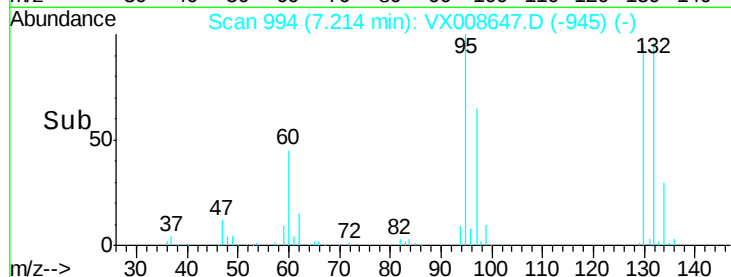
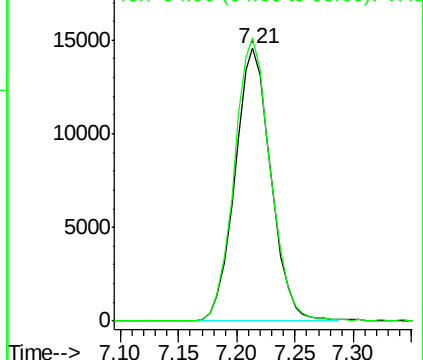
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.818 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008647.D

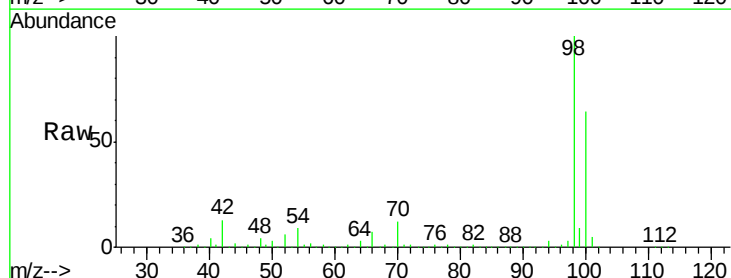
Acq: 04 Apr 2019 19:37

Tgt Ion: 98 Resp: 455401

Ion Ratio Lower Upper

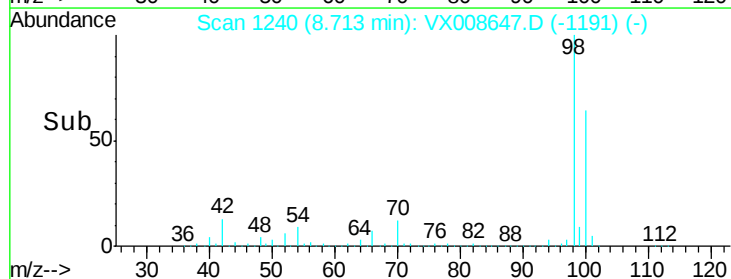
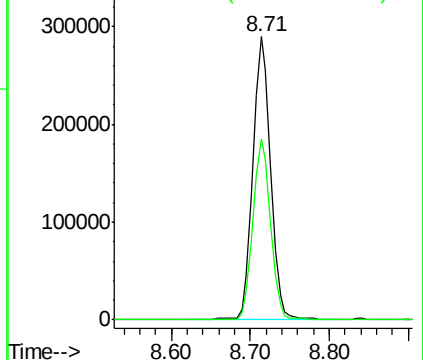
98 100

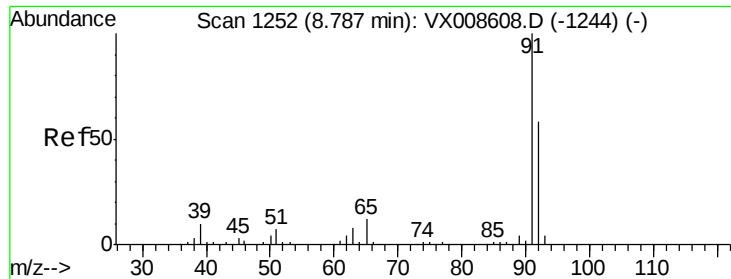
100 63.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.587 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

S8-0711

Tot Ion: 92 Resp: 4047

Ion Ratio Lower Upper

92 100

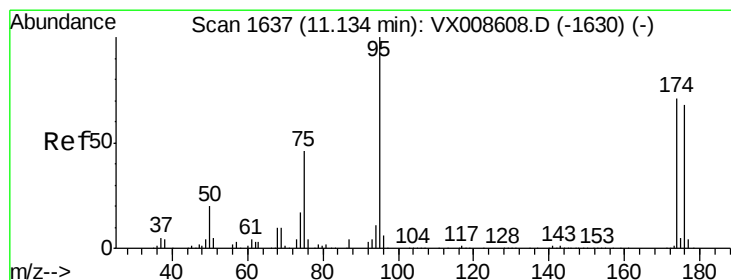
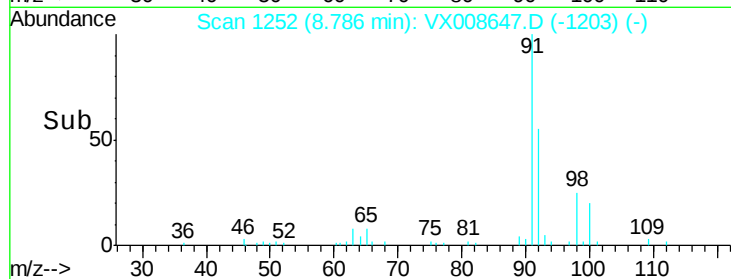
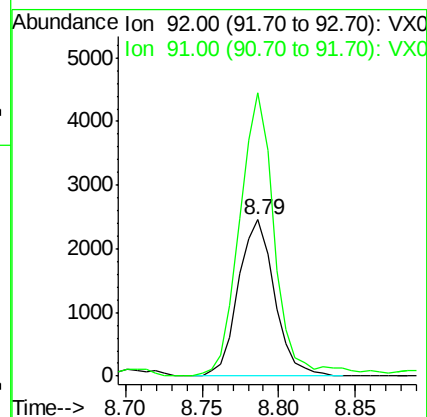
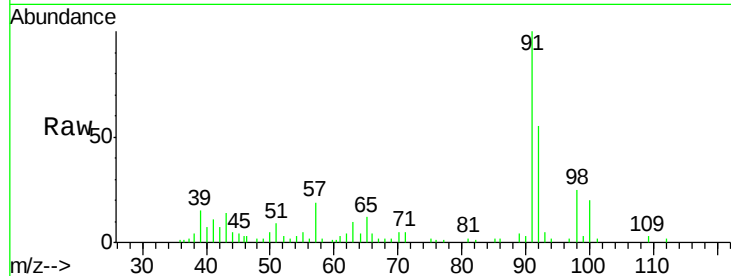
91 177.2 138.5 207.7

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#62

4-Bromofluorobenzene

Concen: 48.559 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

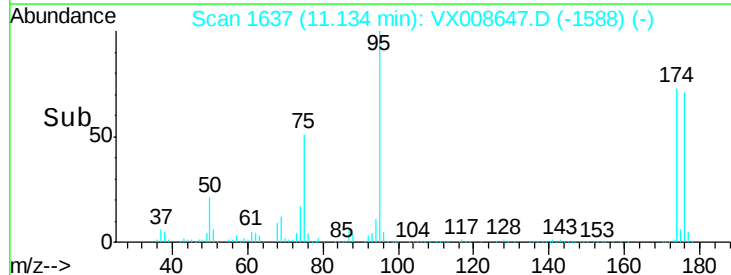
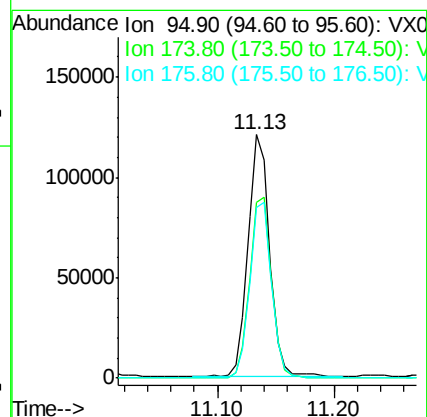
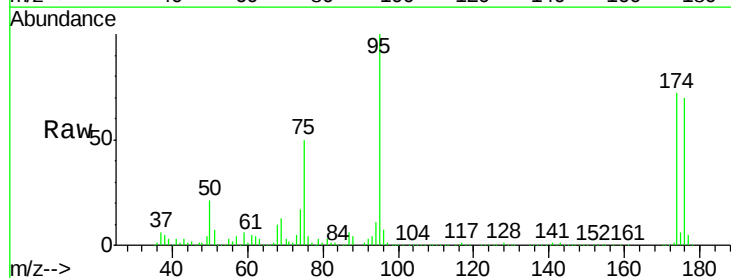
Tgt Ion: 95 Resp: 157413

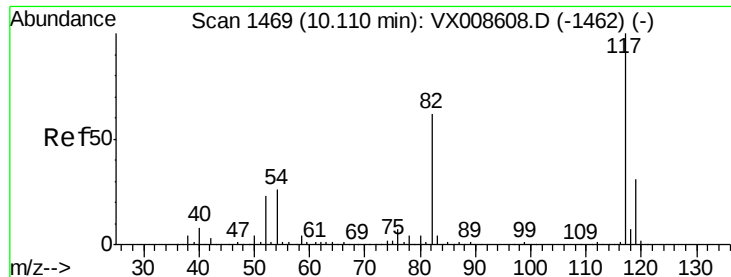
Ion Ratio Lower Upper

95 100

174 75.1 0.0 151.8

176 72.7 0.0 145.8





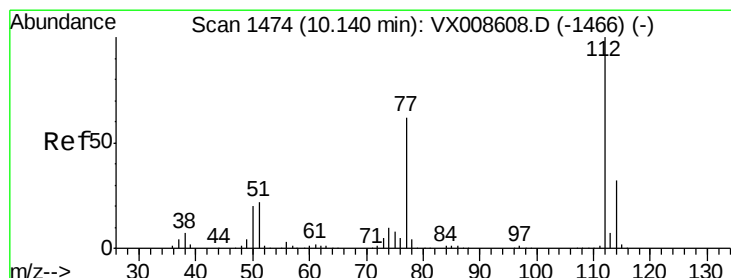
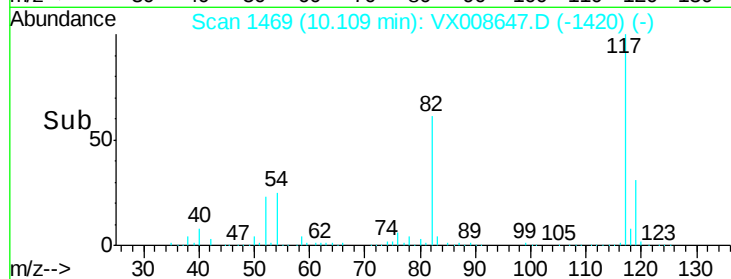
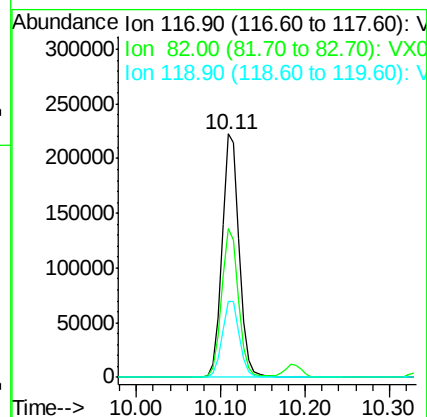
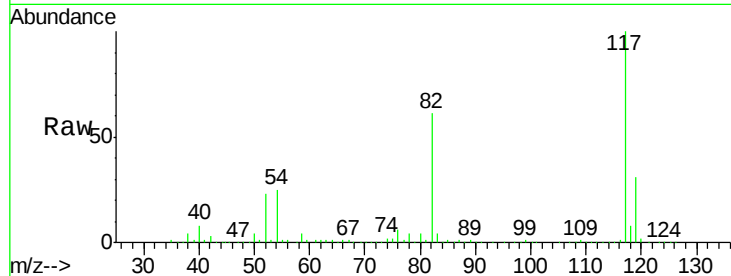
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
S8-0711

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.6	74.4
119	31.3	25.0	37.4

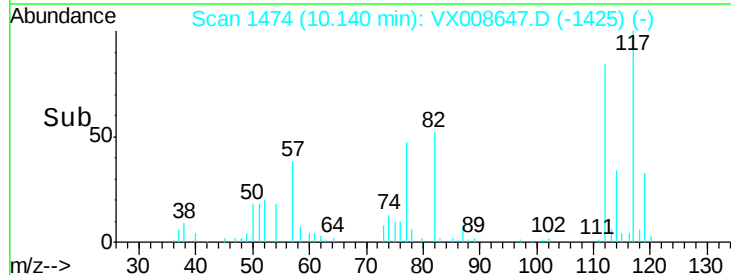
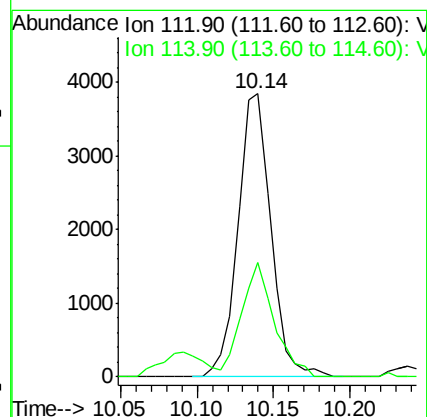
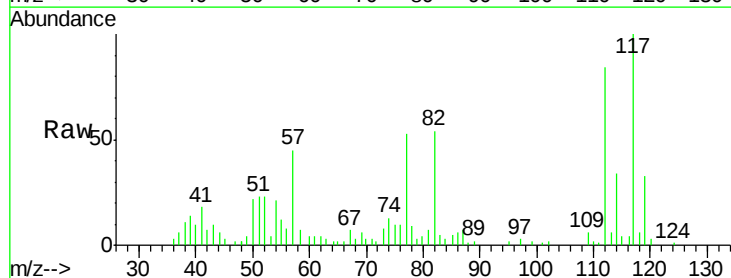
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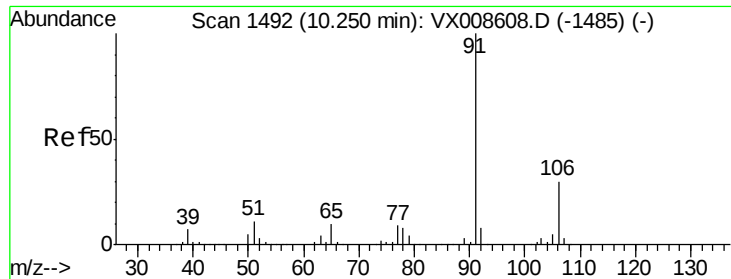
MMDadoda
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#65
Chlorobenzene
Concen: 0.829 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	40.6	25.8	38.8#





#67

Ethyl Benzene

Concen: 159.861 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

S8-0711

Tot Ion: 91 Resp: 2060127

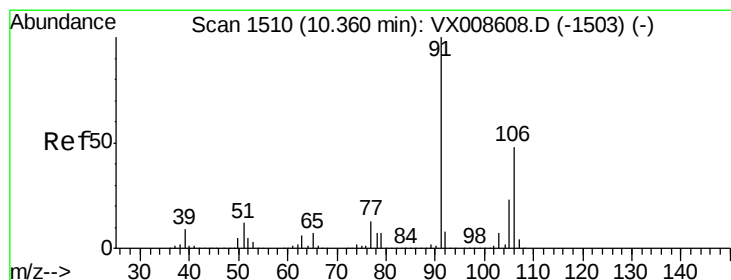
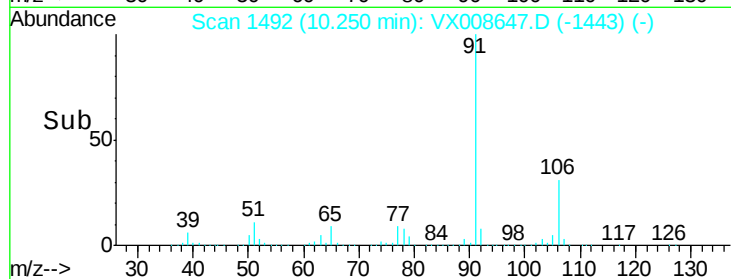
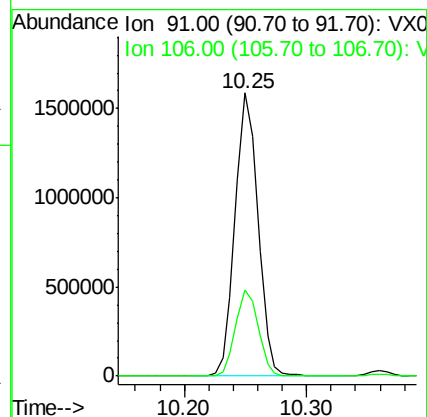
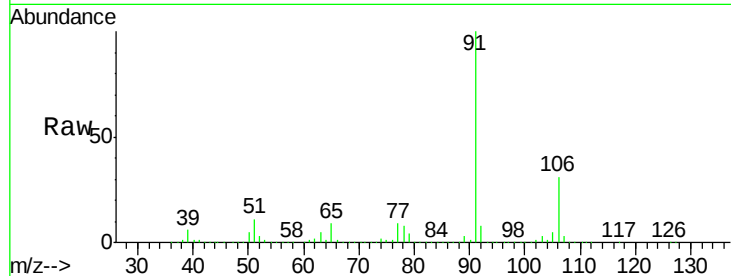
Ion Ratio Lower Upper

91 100

106 30.5 23.7 35.5

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#68

m/p-Xylenes

Concen: 3.852 ug/l m

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008647.D

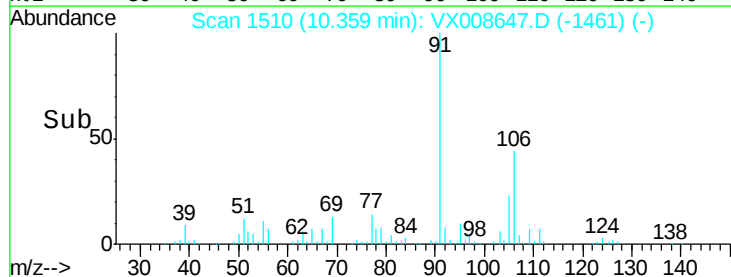
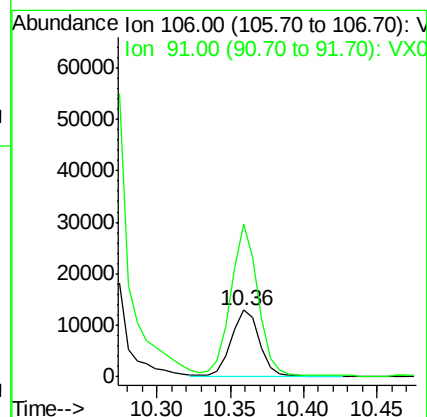
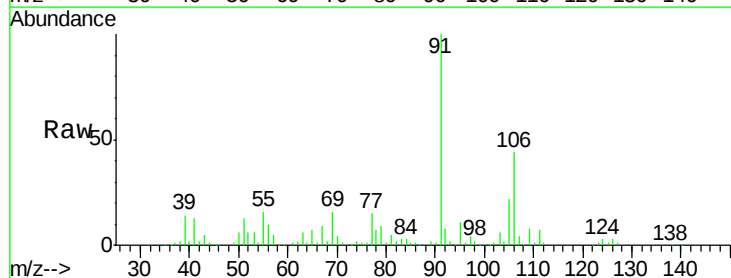
Acq: 04 Apr 2019 19:37

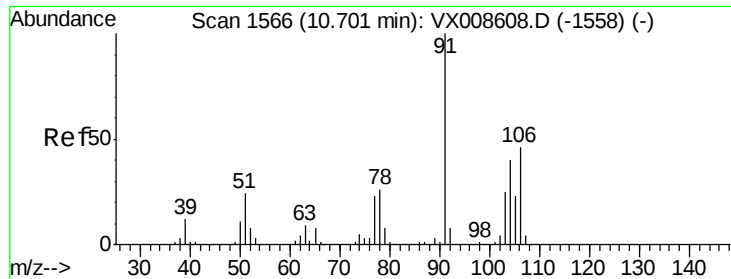
Tgt Ion: 106 Resp: 17847

Ion Ratio Lower Upper

106 100

91 11543.3 168.5 252.7#





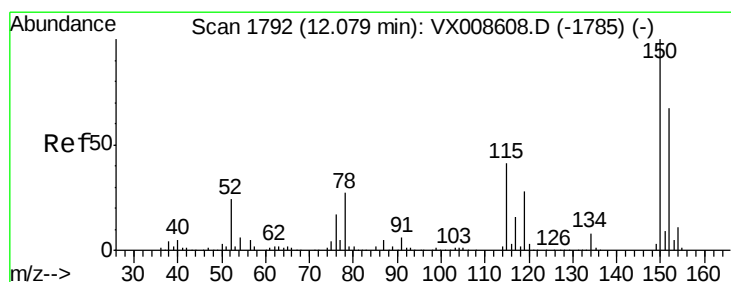
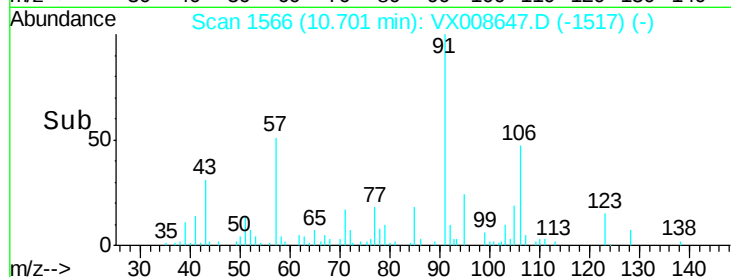
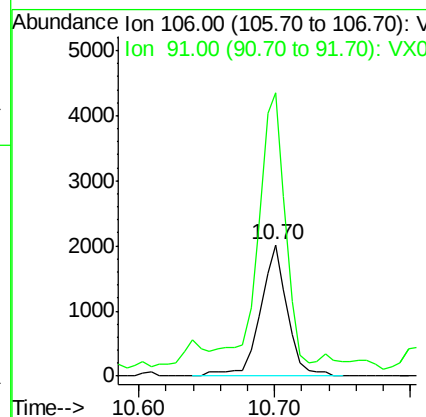
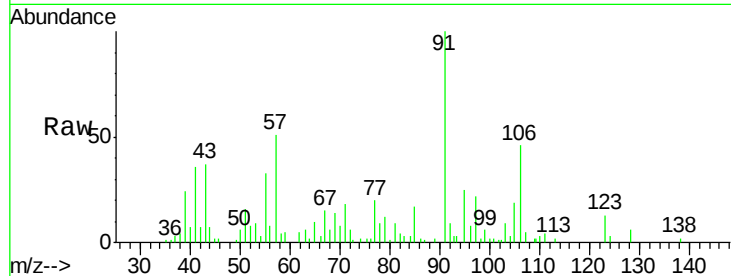
#69
o-Xylene
Concen: 0.624 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampled :
S8-0711

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.4	111.5	334.4

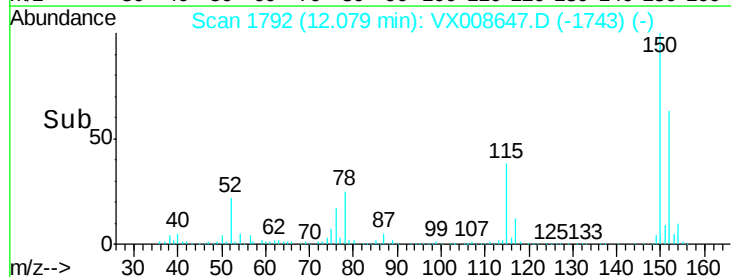
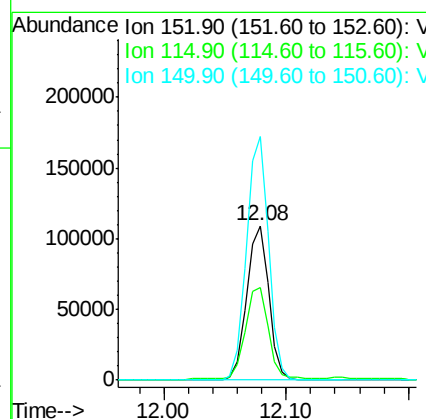
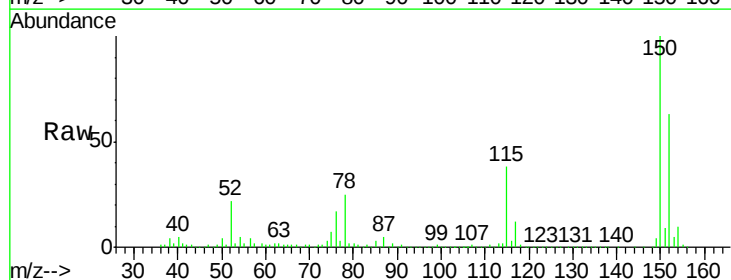
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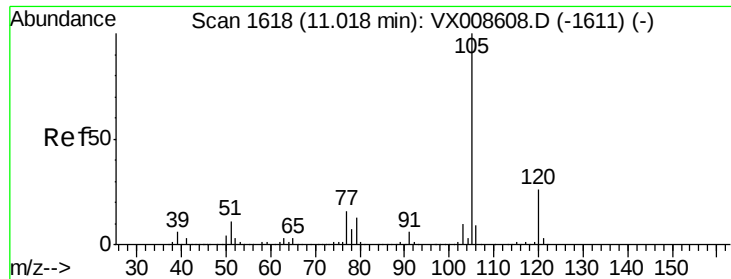
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	43.5	130.5
150	158.2	0.0	348.8





#73

Isopropylbenzene

Concen: 34.124 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

S8-0711

Tot Ion: 105 Resp: 382293

Ion Ratio Lower Upper

105 100

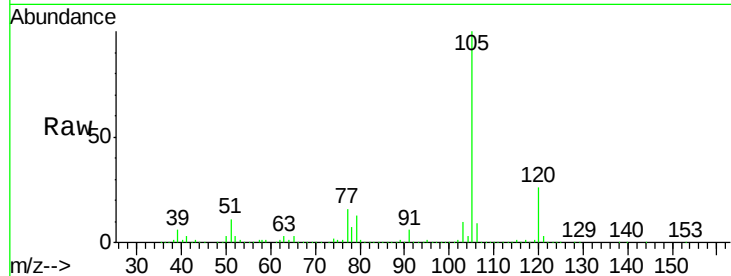
120 25.6 12.9 38.6

Manual Integrations

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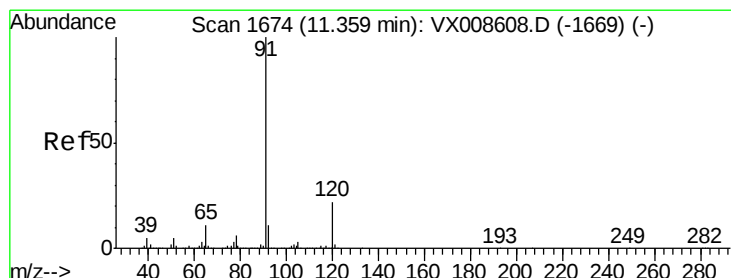
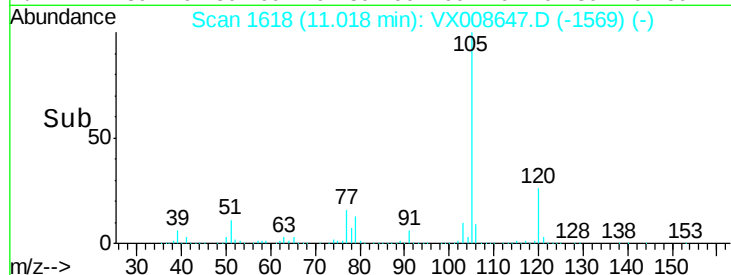
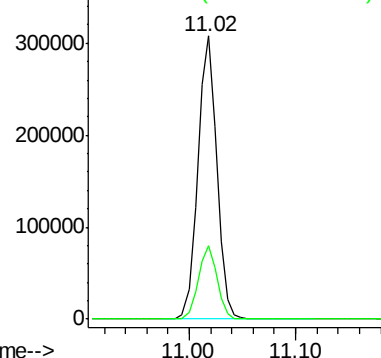
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 21.816 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008647.D

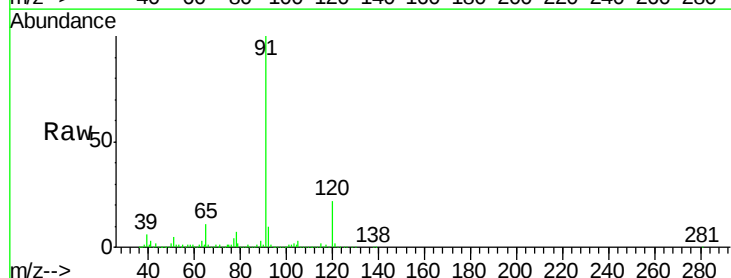
Acq: 04 Apr 2019 19:37

Tgt Ion: 91 Resp: 284570

Ion Ratio Lower Upper

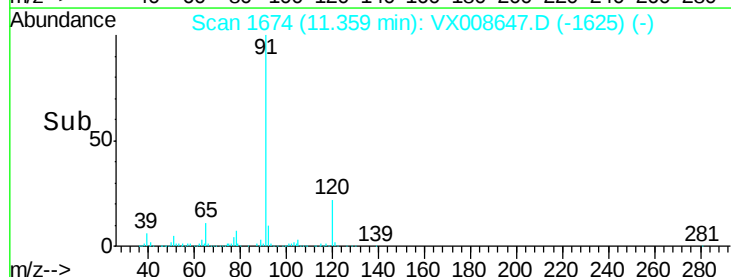
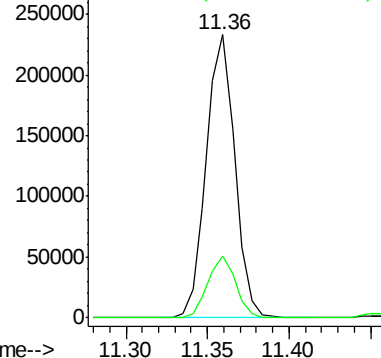
91 100

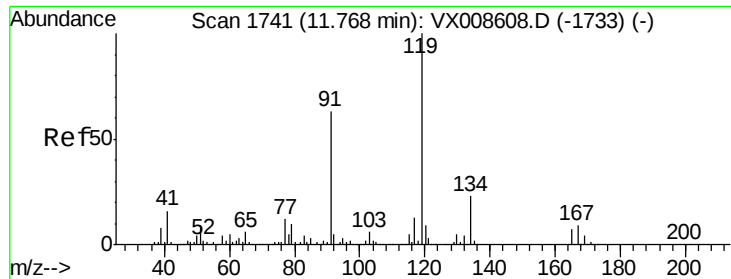
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





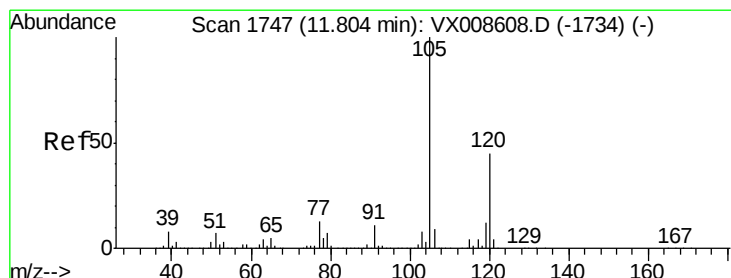
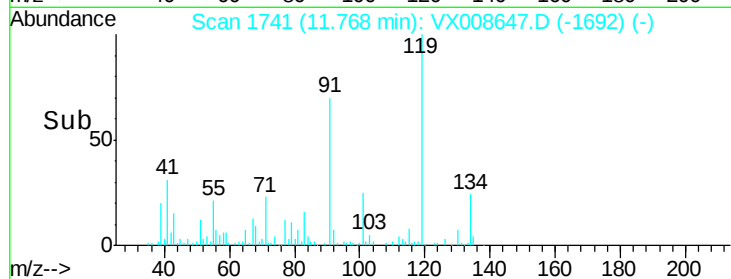
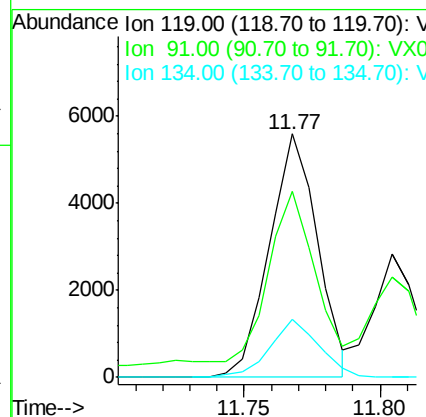
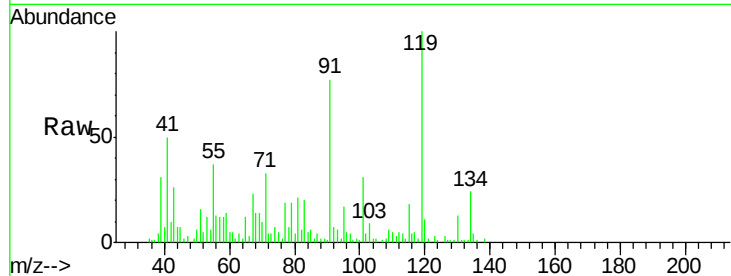
#83
tert-Butylbenzene
Concen: 0.759 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
S8-0711

Tot Ion	Ratio	Resp	Lower	Upper
119	100	6866		
91	74.4	30.0	90.1	
134	24.1	11.1	33.3	

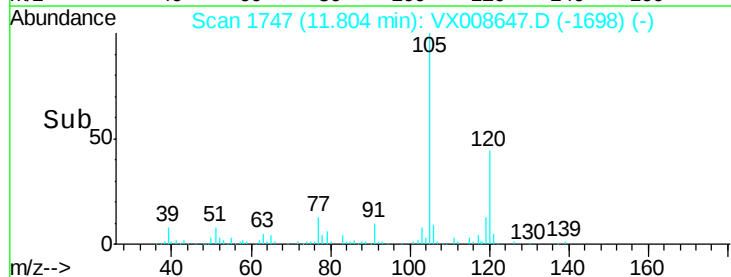
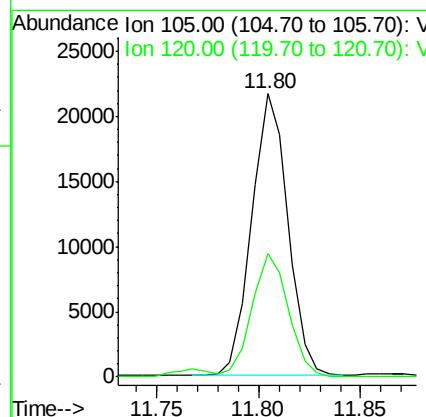
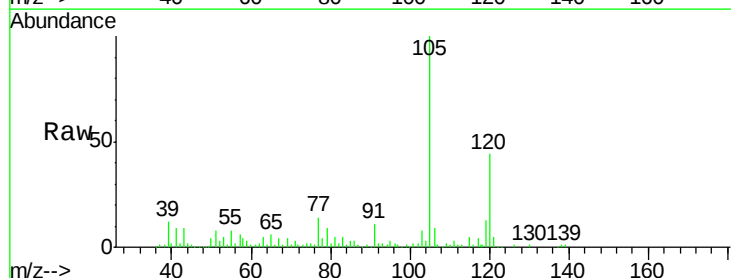
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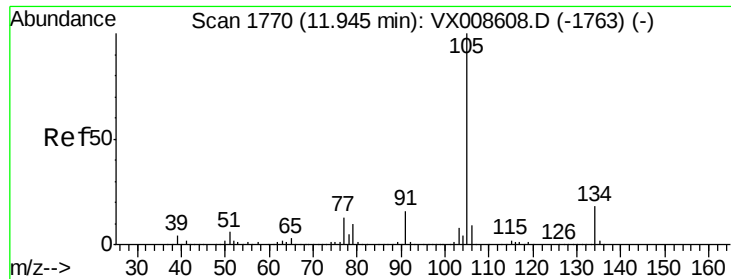
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#84
1,2,4-Trimethylbenzene
Concen: 2.799 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	26653		
120	43.4	21.8	65.3	





#85

sec-Butylbenzene

Concen: 5.198 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

S8-0711

Tot Ion:105 Resp: 55865

Ion Ratio Lower Upper

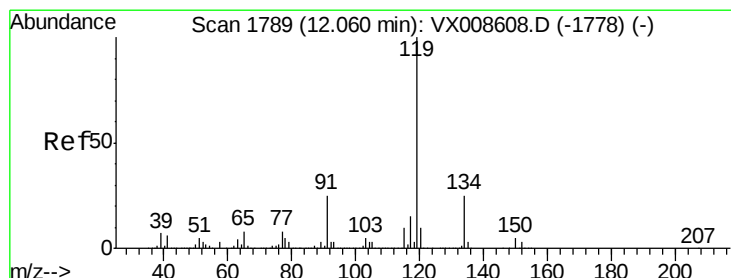
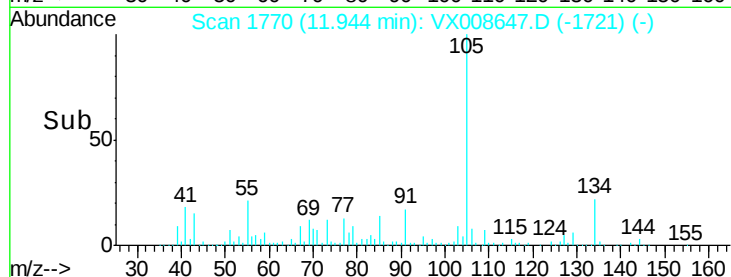
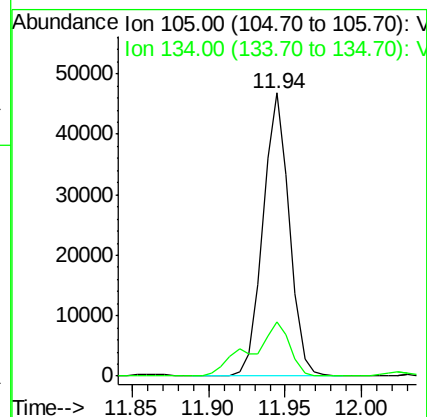
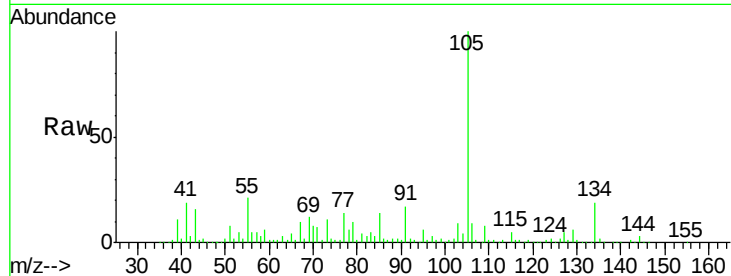
105 100

134 28.4 9.4 28.2#

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#86

p-Isopropyltoluene

Concen: 0.623 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008647.D

Acq: 04 Apr 2019 19:37

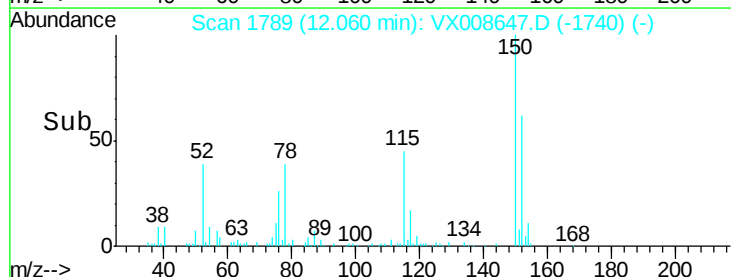
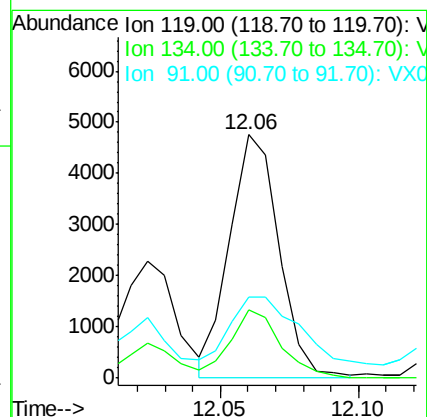
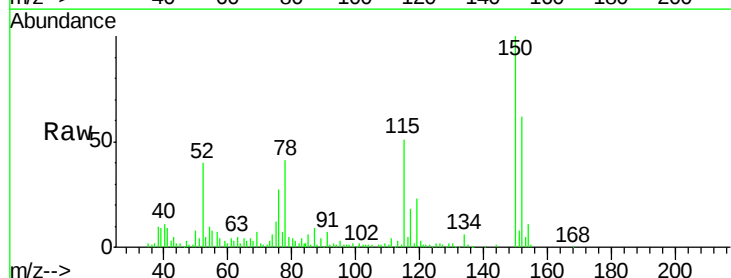
Tgt Ion:119 Resp: 6007

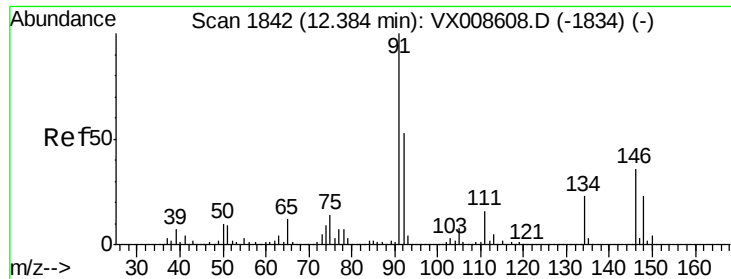
Ion Ratio Lower Upper

119 100

134 14.8 12.8 38.4

91 15.8 12.2 36.6





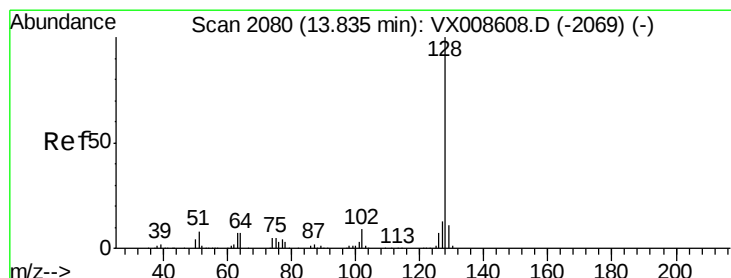
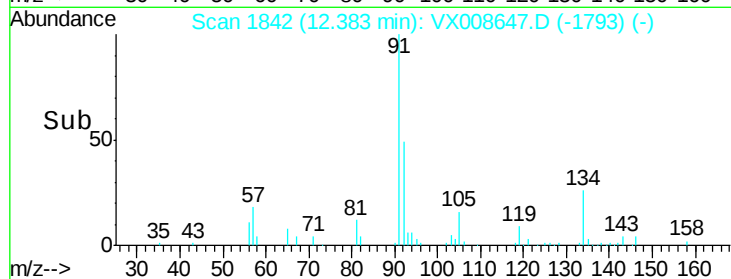
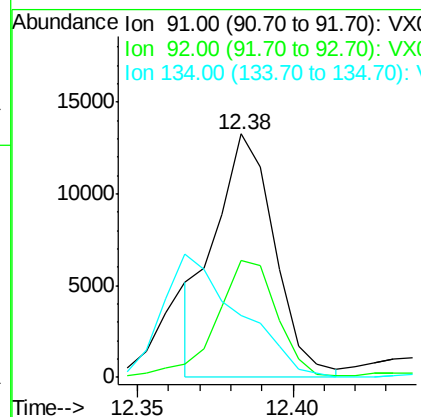
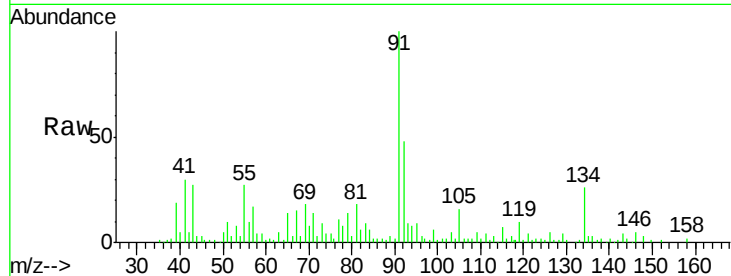
#89
n-Butylbenzene
Concen: 1.956 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
S8-0711

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.4	79.2
134	65.4	12.0	36.0#

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#95
Naphthalene
Concen: 3.262 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008647.D
Acq: 04 Apr 2019 19:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.4	15.6#
129	17.8	8.6	13.0#

