

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007453.D
 Acq On : 08 Feb 2019 20:09
 Operator : JC/SP
 Sample : K1451-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Manual Integrations
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MMDadoda
 2/11/2019 9:39:54 AM

Quant Time: Feb 11 09:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	73384	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	404366	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	362983	30.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4	6.07	65	149015	30.93	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	103.10%		
60) 4-Bromofluorobenzene	11.13	95	164299	29.33	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	97.77%		
63) Toluene-d8	8.71	98	487531	29.80	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	99.33%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
26) Cyclohexane	5.58	56	114172	19.360	ug/l #	99
34) Benzene	6.15	78	141799	8.721	ug/l	97
38) Methylcyclohexane	7.46	83	88643	13.269	ug/l	91
62) Toluene	8.78	91	19493	1.067	ug/l	99
66) Ethyl Benzene	10.25	91	11254m	0.569	ug/l	
67) m/p-Xylenes	10.35	106	15075	1.928	ug/l	97
68) o-Xylene	10.69	106	7234	0.945	ug/l	88
70) Isopropylbenzene	11.02	105	44758	2.208	ug/l	99
74) n-propylbenzene	11.36	91	9424	0.413	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	14469	0.855	ug/l	94
80) 1,2,4-Trimethylbenzene	11.80	105	18826	1.099	ug/l	98
81) sec-Butylbenzene	11.94	105	8891	0.436	ug/l	99
82) p-Isopropyltoluene	12.06	119	5286	0.289	ug/l	98
91) Naphthalene	13.83	128	1852016	89.727	ug/l	99

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

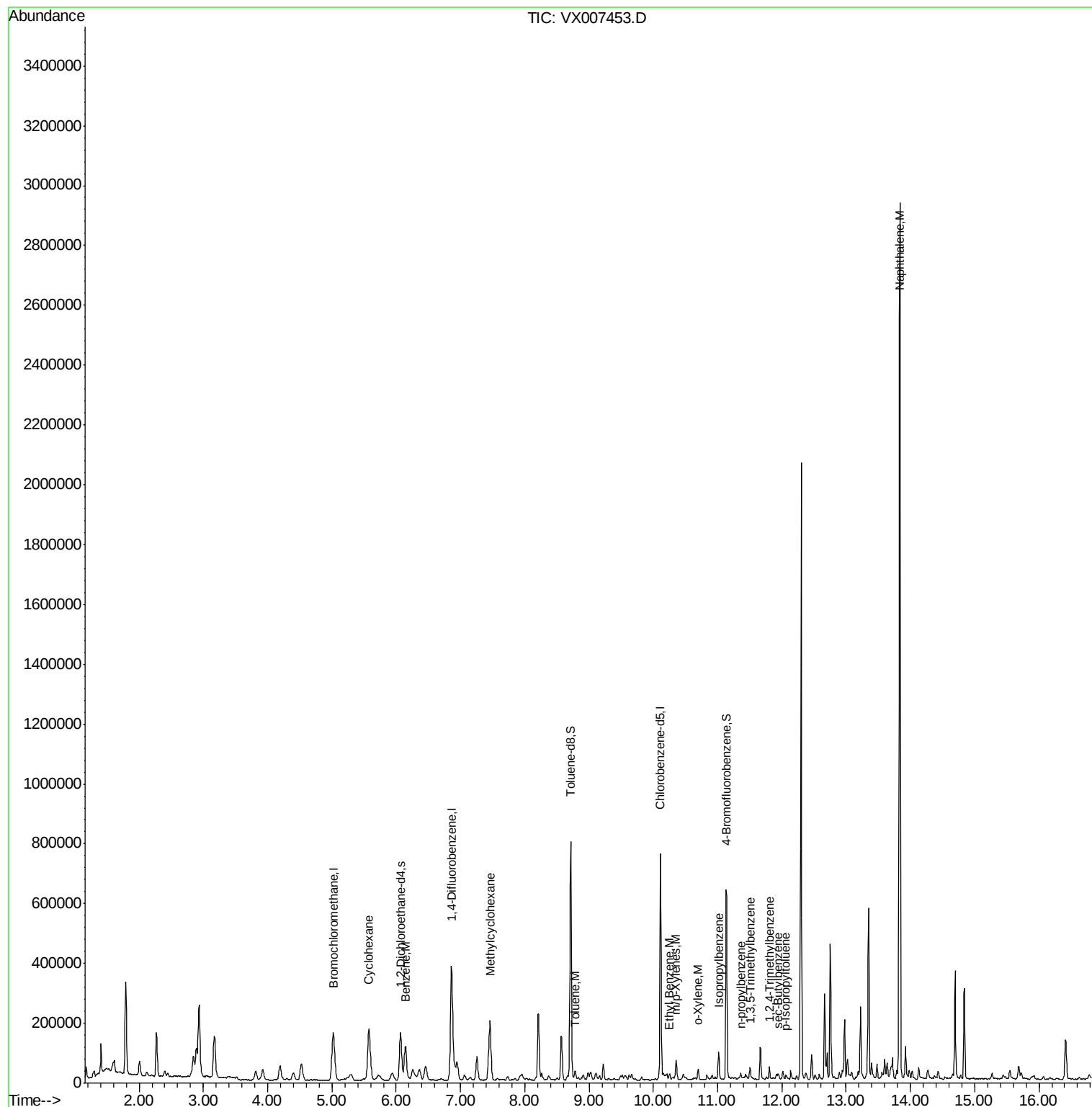
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
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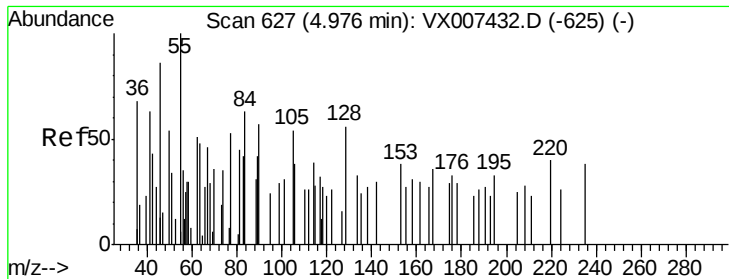
Instrument :
MSVOA_X
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Manual Integrations
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2/11/2019 9:39:54 AM

Quant Time: Feb 11 09:45:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007453.D

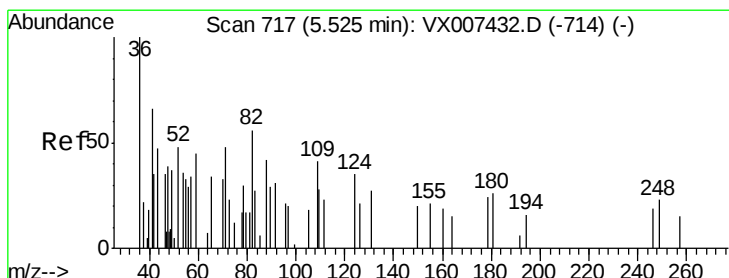
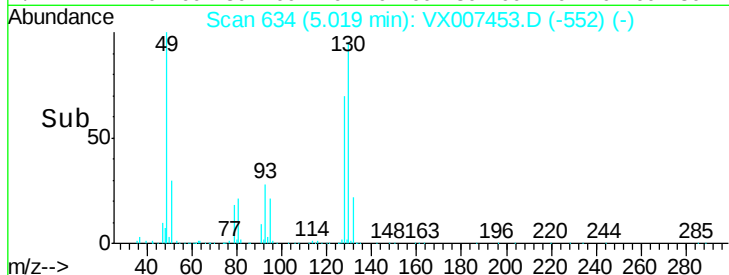
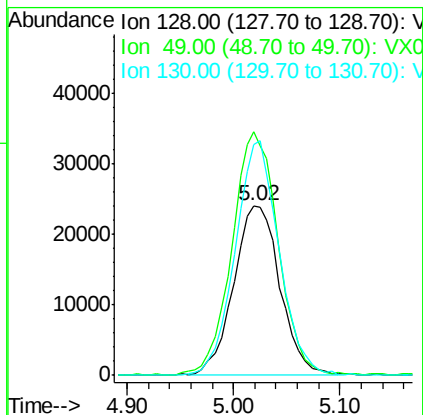
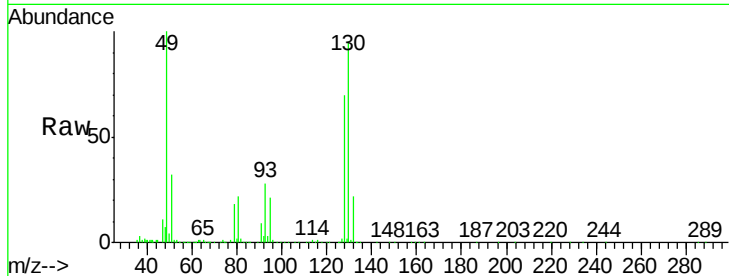
Acq: 08 Feb 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion:	128	Resp:	73384
Ion Ratio	Lower	Upper	
128	100		
49	141.5	0.0	345.5
130	130.9	0.0	320.0

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#26

Cyclohexane

Concen: 19.360 ug/l

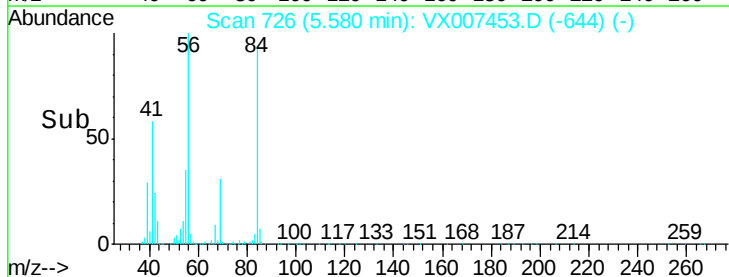
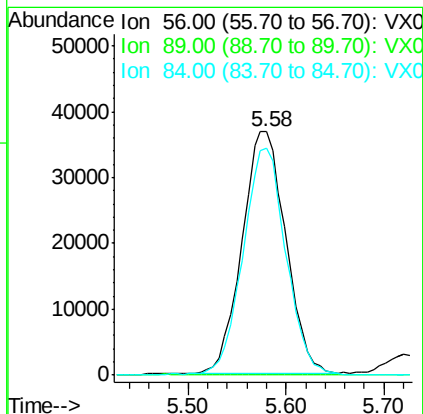
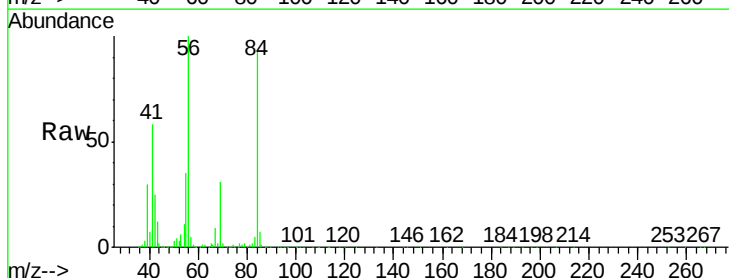
RT: 5.58 min Scan# 726

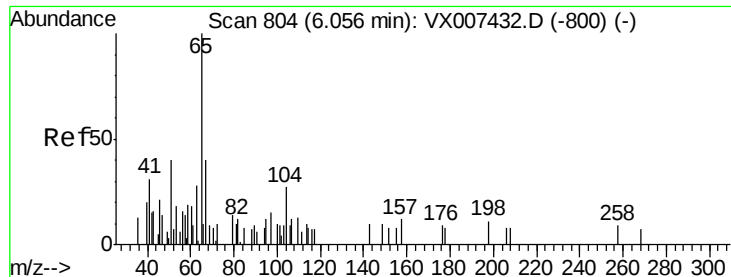
Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Tgt Ion:	56	Resp:	114172
Ion Ratio	Lower	Upper	
56	100		
89	0.1	0.1	0.1#
84	91.9	74.2	111.2





#27

1,2-Dichloroethane-d4

Concen: 30.935 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Tot Ion: 65 Resp: 149015

Ion Ratio Lower Upper

65 100

67 53.9 42.0 63.0

Instrument :

MSVOA_X

ClientSampleId :

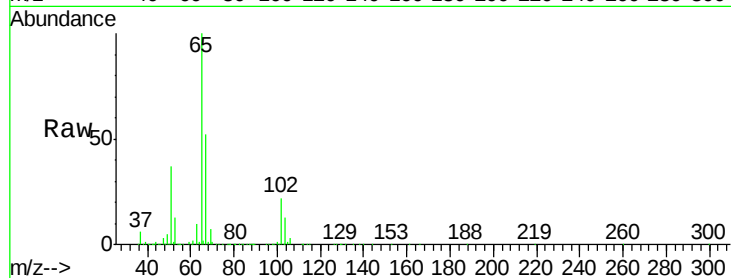
HOSPITAL-BOX-CULVERT-TP

Manual Integrations

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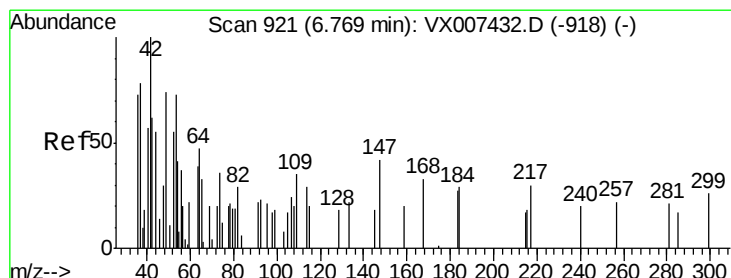
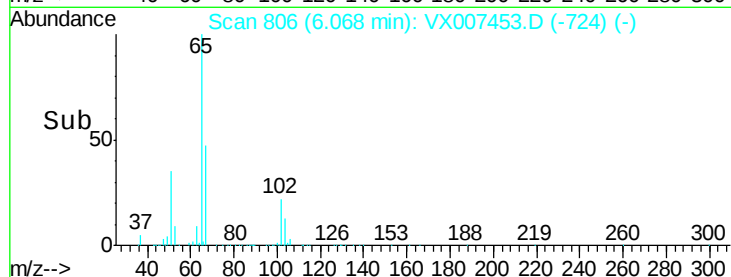
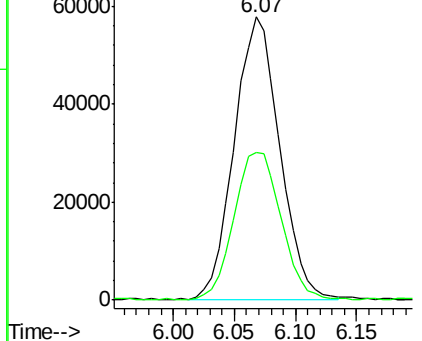
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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

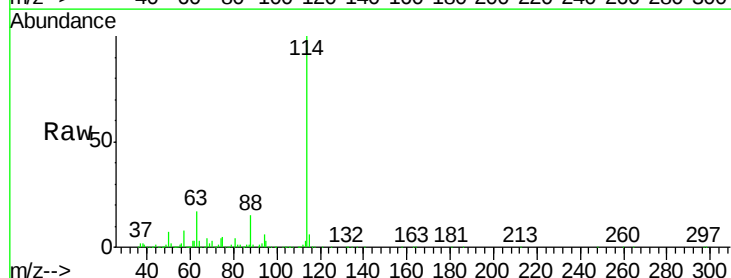
Tgt Ion:114 Resp: 404366

Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

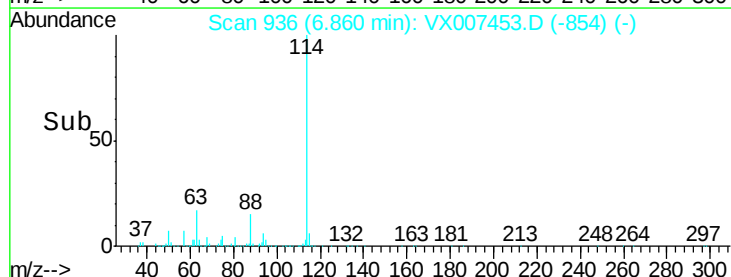
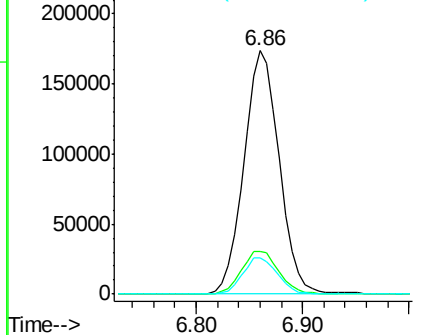
88 14.9 11.8 17.6

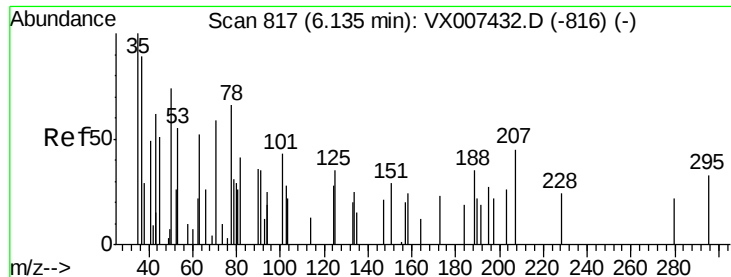


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#34

Benzene

Concen: 8.721 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

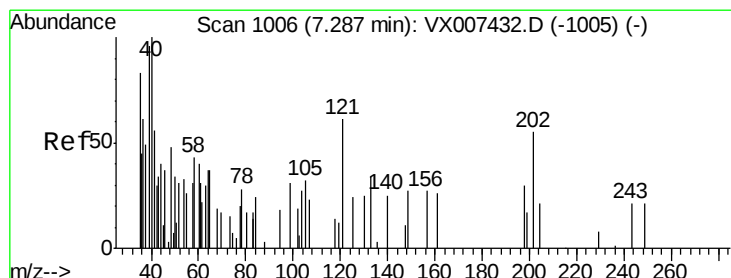
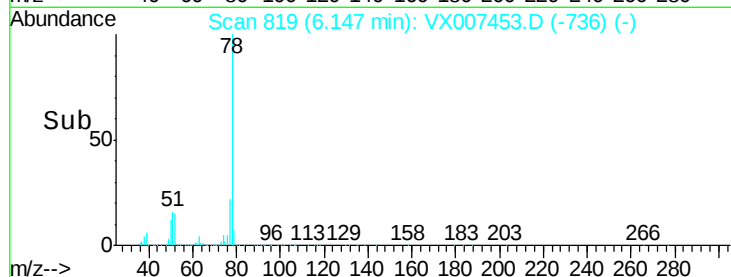
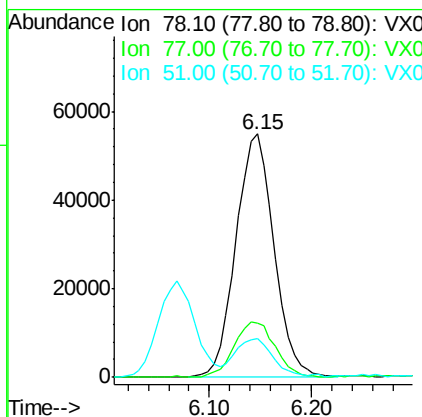
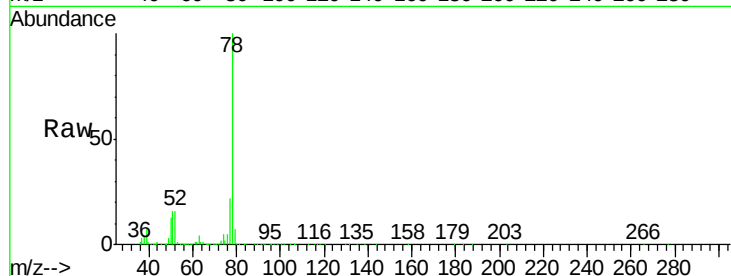
ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	78	Resp:	141799
Ion Ratio	Lower	Upper	
78	100		
77	21.5	19.1	28.7
51	15.4	12.4	18.6

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#38

Methylcyclohexane

Concen: 13.269 ug/l

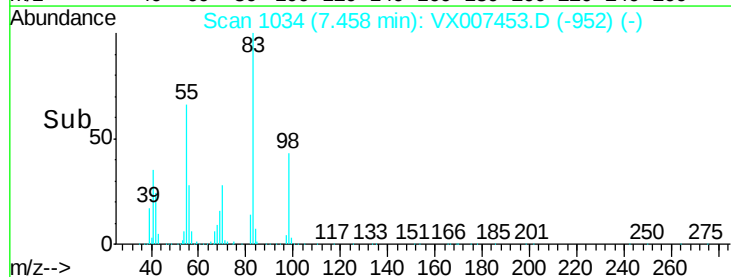
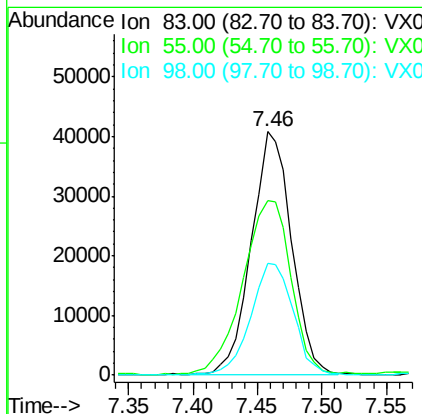
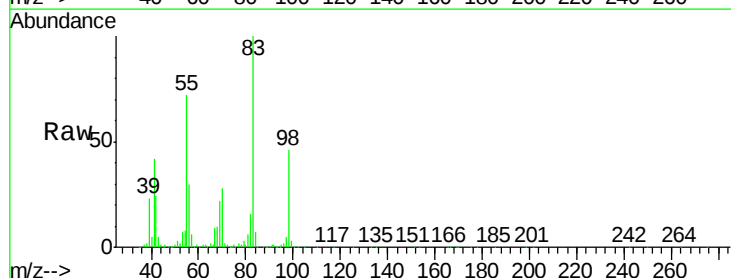
RT: 7.46 min Scan# 1034

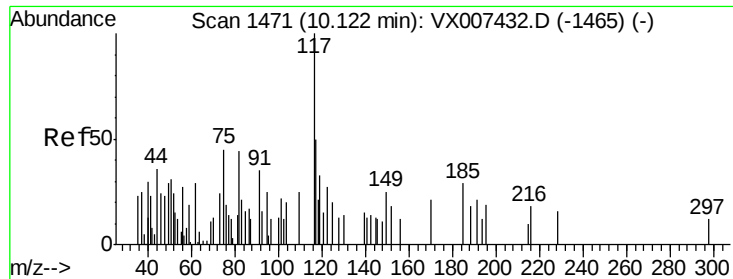
Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Tgt Ion:	83	Resp:	88643
Ion Ratio	Lower	Upper	
83	100		
55	85.2	36.6	109.8
98	48.5	24.1	72.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

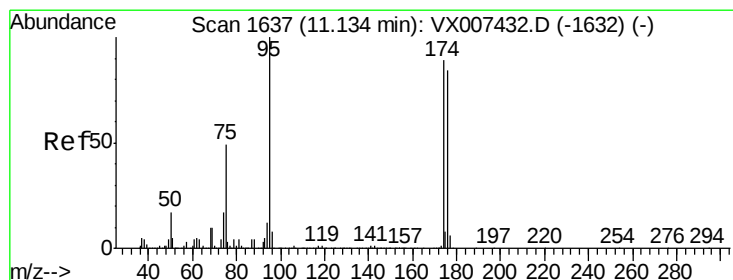
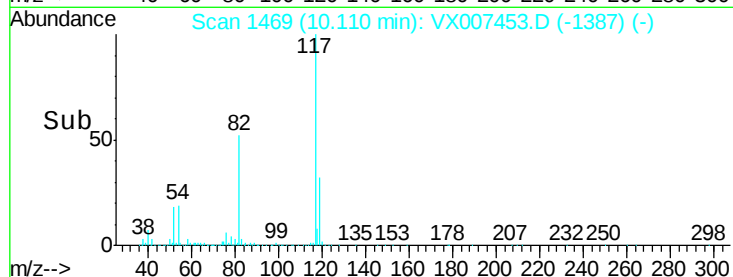
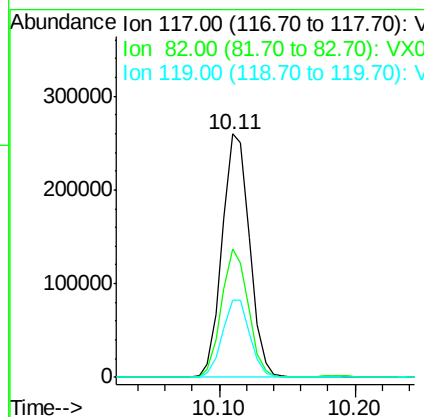
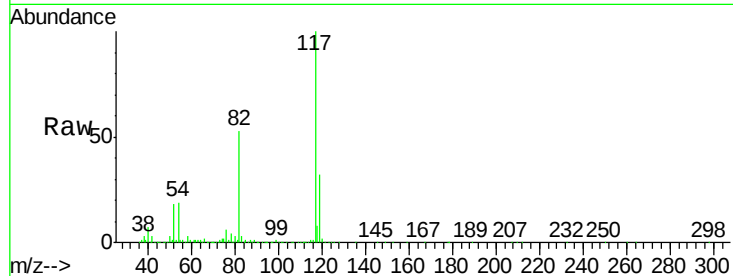
ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	117	Resp:	362983
Ion Ratio	Lower	Upper	
117	100		
82	51.2	41.4	62.0
119	32.0	25.7	38.5

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#60

4-Bromofluorobenzene

Concen: 29.327 ug/l

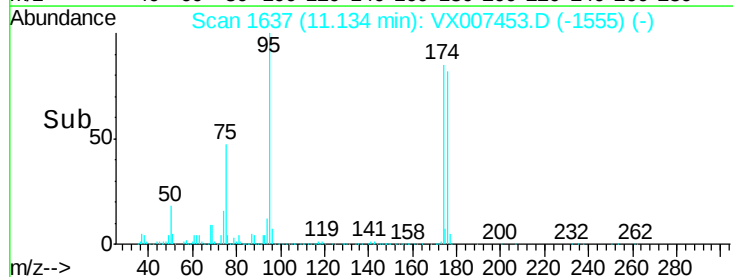
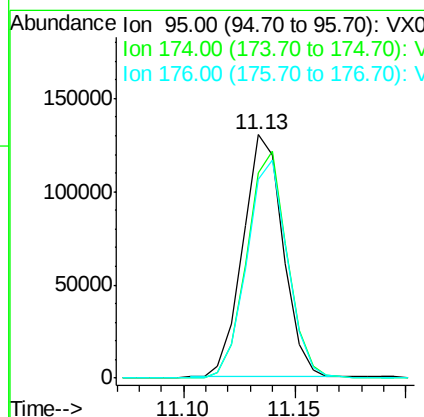
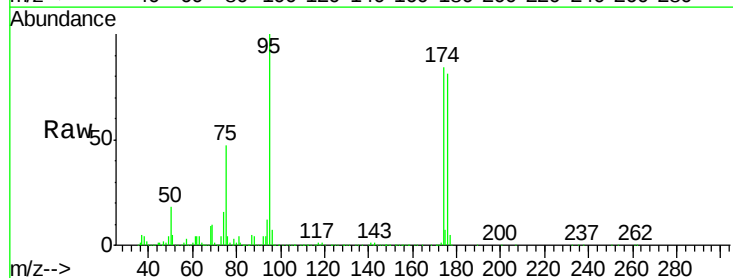
RT: 11.13 min Scan# 1637

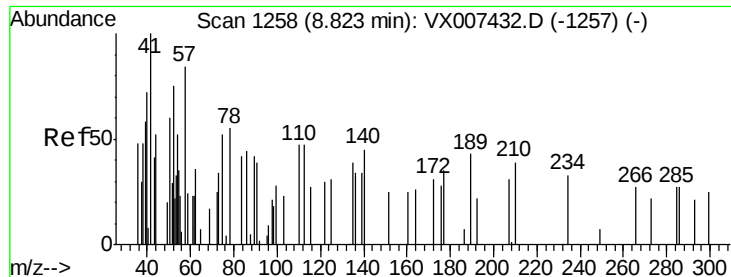
Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Tgt Ion:	95	Resp:	164299
Ion Ratio	Lower	Upper	
95	100		
174	93.6	74.8	112.2
176	90.9	72.5	108.7





#62

Toluene

Concen: 1.067 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion: 91 Resp: 19493

Ion Ratio Lower Upper

91 100

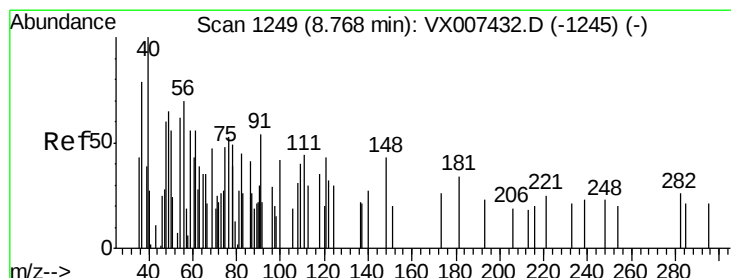
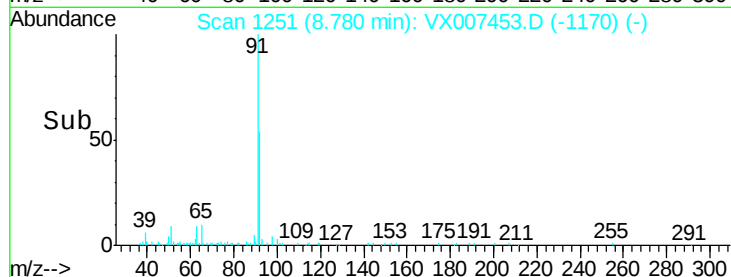
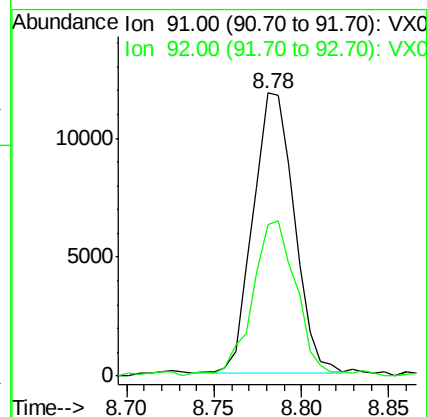
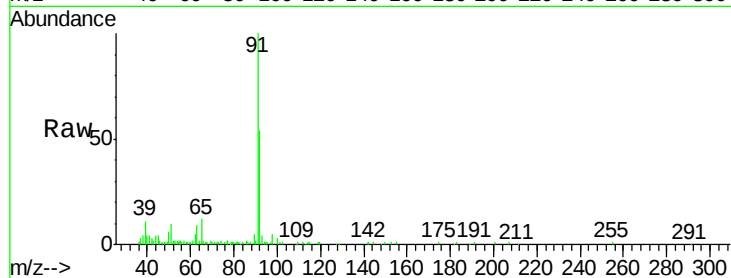
92 56.5 46.0 69.0

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#63

Toluene-d8

Concen: 29.798 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007453.D

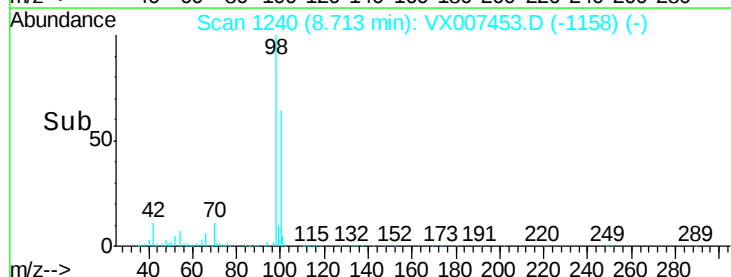
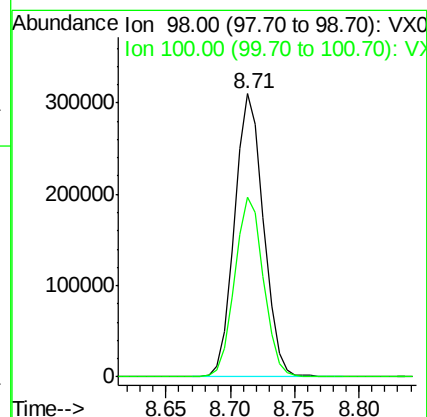
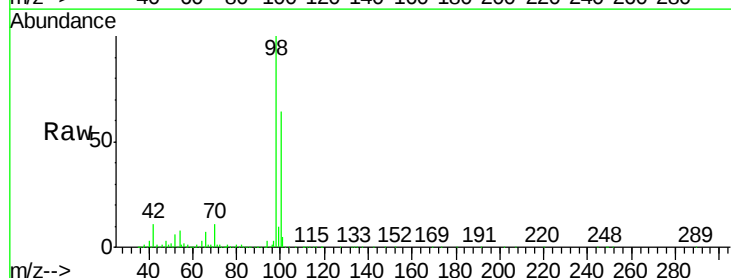
Acq: 08 Feb 2019 20:09

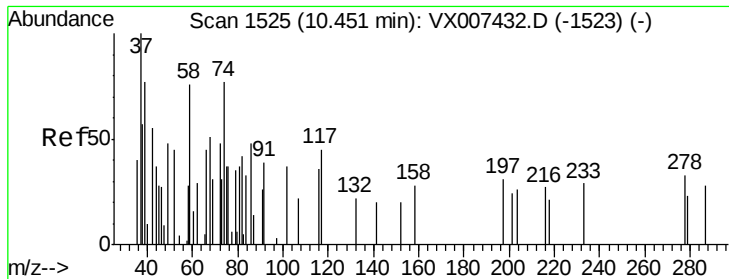
Tgt Ion: 98 Resp: 487531

Ion Ratio Lower Upper

98 100

100 63.0 49.9 74.9





#66

Ethyl Benzene

Concen: 0.569 ug/l m

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion: 91 Resp: 11254

Ion Ratio Lower Upper

91 100

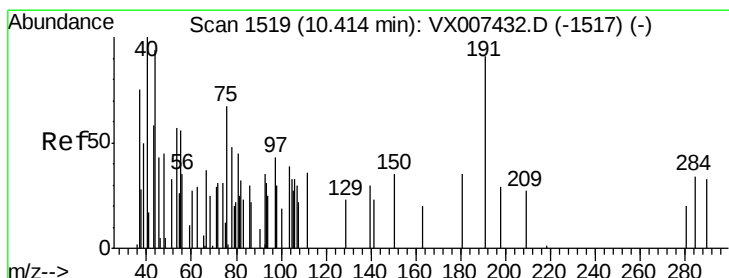
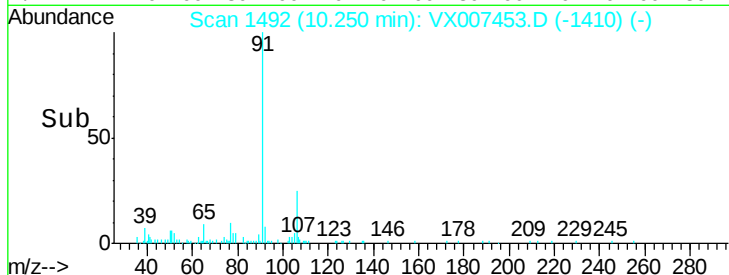
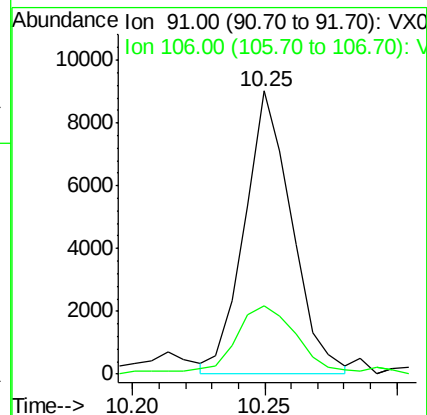
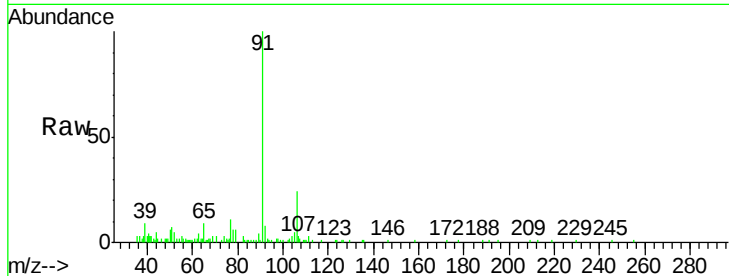
106 24.1 25.1 37.7#

Manual Integrations

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#67

m/p-Xylenes

Concen: 1.928 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007453.D

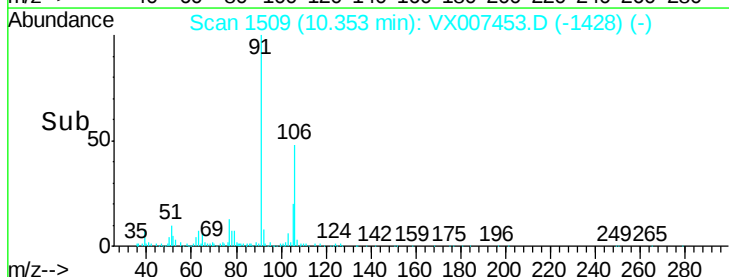
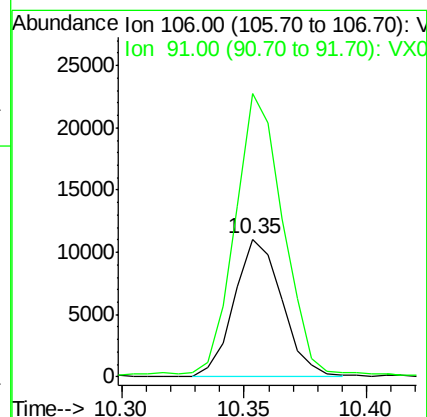
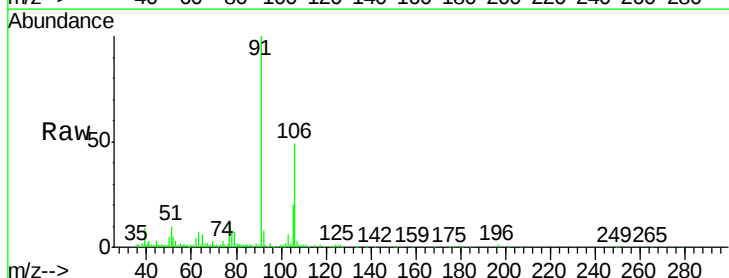
Acq: 08 Feb 2019 20:09

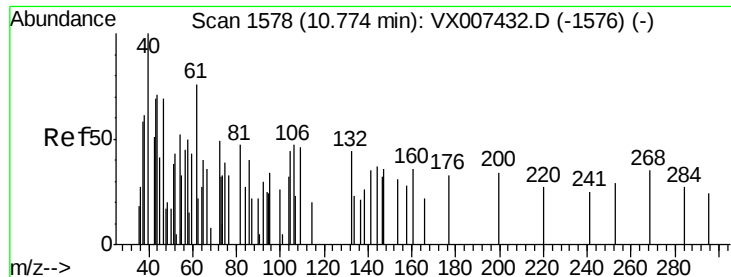
Tgt Ion: 106 Resp: 15075

Ion Ratio Lower Upper

106 100

91 201.3 157.6 236.4





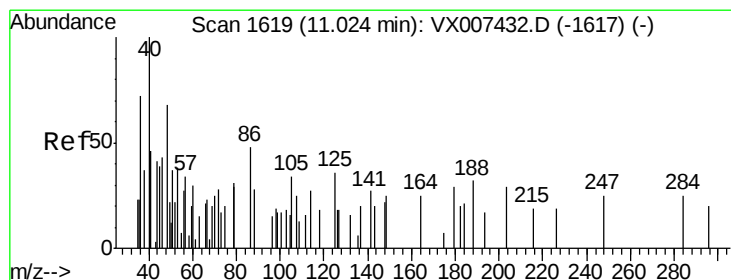
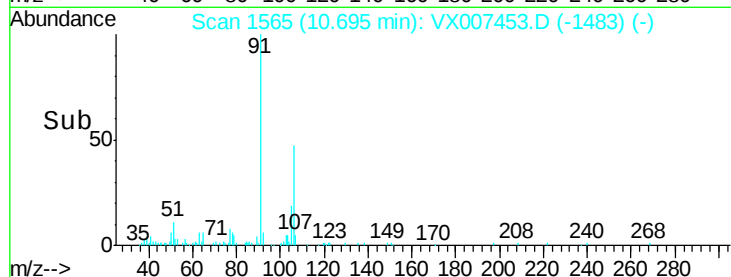
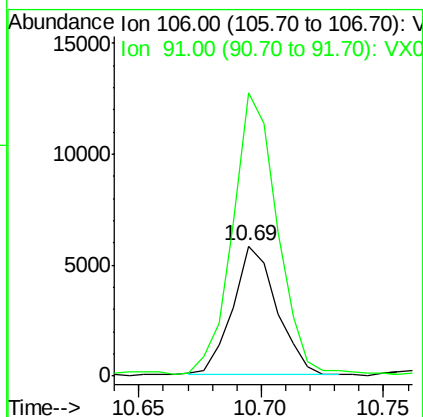
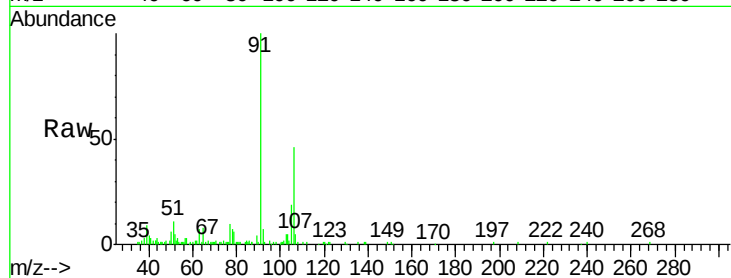
#68
o-Xylene
Concen: 0.945 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007453.D
Acq: 08 Feb 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.6	103.6	310.8

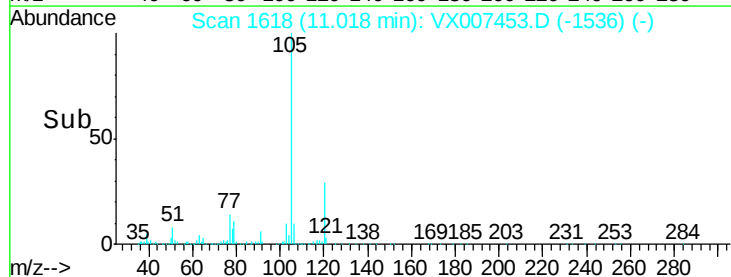
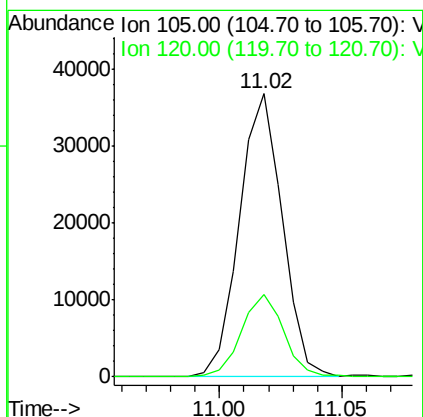
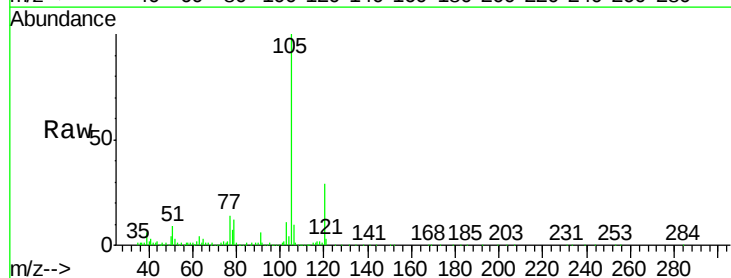
Manual Integrations
APPROVED

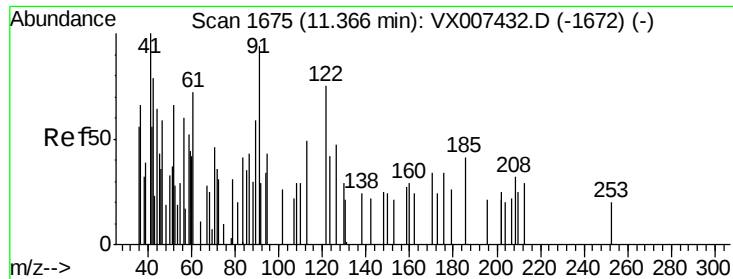
MMDadoda
2/11/2019 9:39:54 AM



#70
Isopropylbenzene
Concen: 2.208 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007453.D
Acq: 08 Feb 2019 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.0	19.9	36.9





#74

n-propylbenzene

Concen: 0.413 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion: 91 Resp: 9424

Ion Ratio Lower Upper

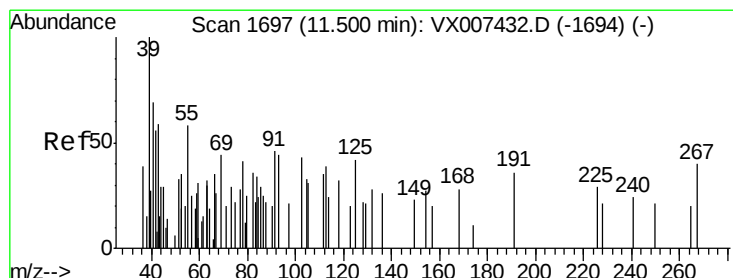
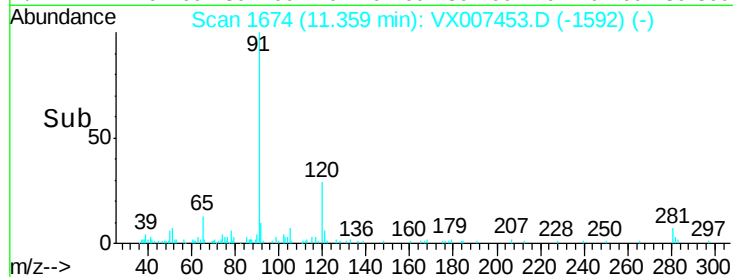
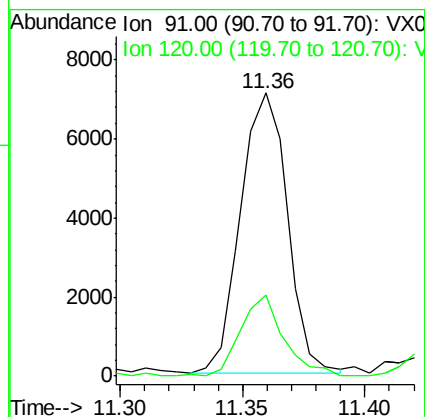
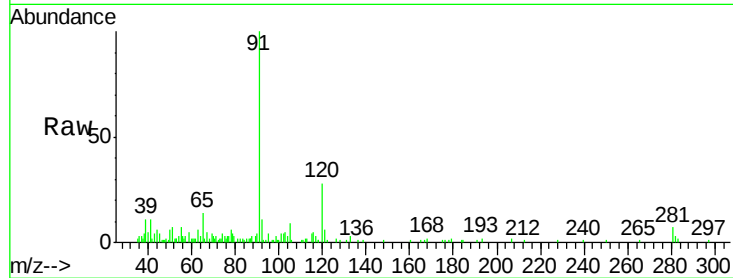
91 100

120 26.7 0.0 48.0

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#76

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007453.D

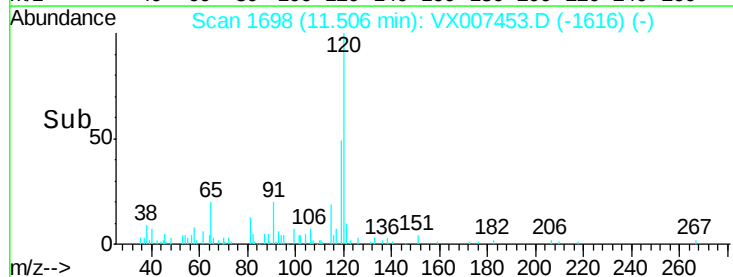
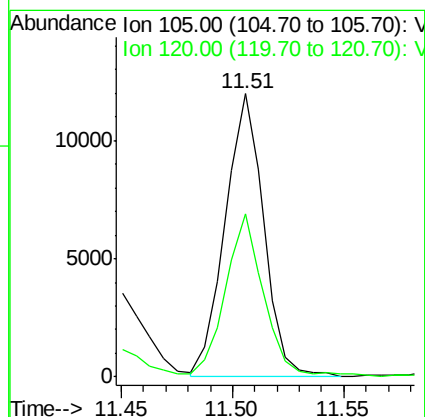
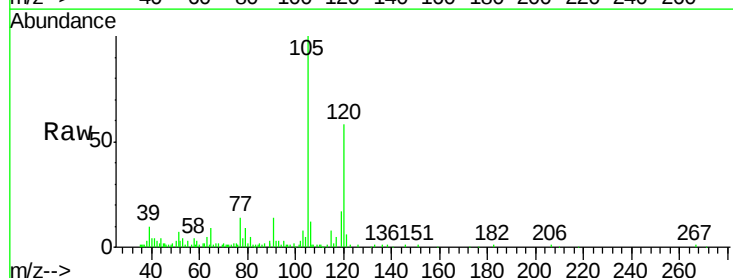
Acq: 08 Feb 2019 20:09

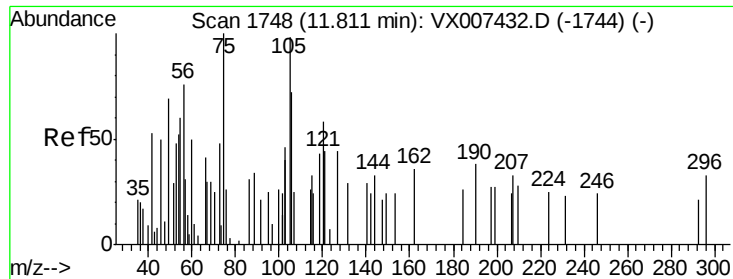
Tgt Ion: 105 Resp: 14469

Ion Ratio Lower Upper

105 100

120 54.1 0.0 99.8





#80

1,2,4-Trimethylbenzene

Concen: 1.099 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007453.D

Acq: 08 Feb 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:105 Resp: 18826

Ion Ratio Lower Upper

105 100

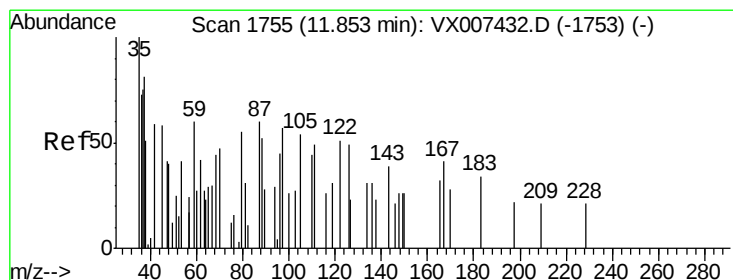
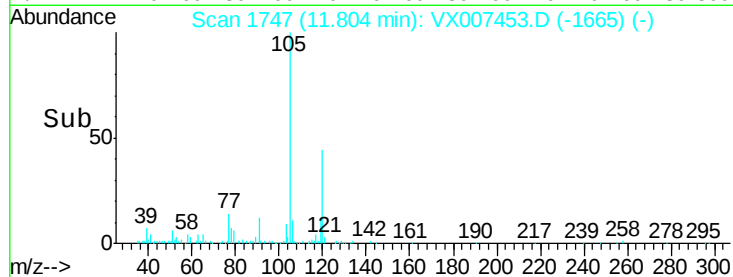
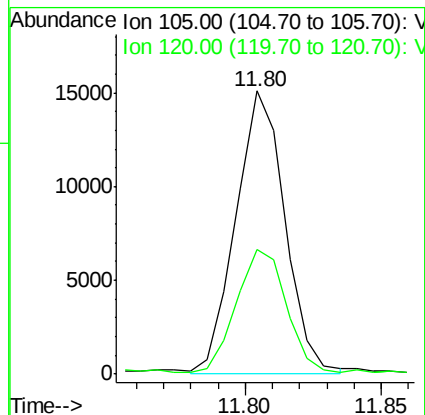
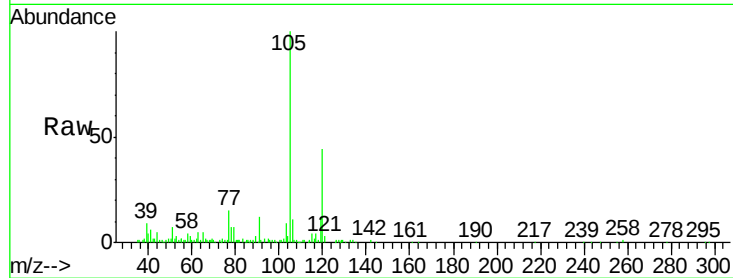
120 45.5 0.0 94.4

Manual Integrations

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#81

sec-Butylbenzene

Concen: 0.436 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX007453.D

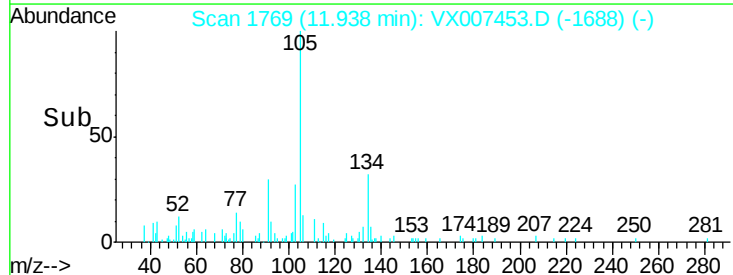
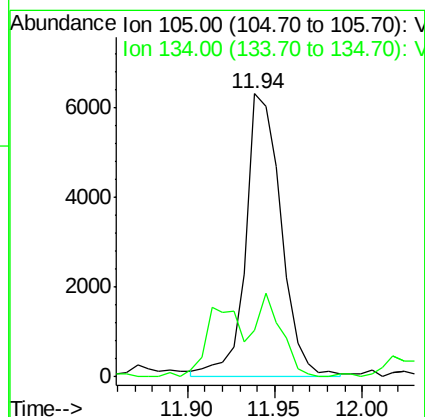
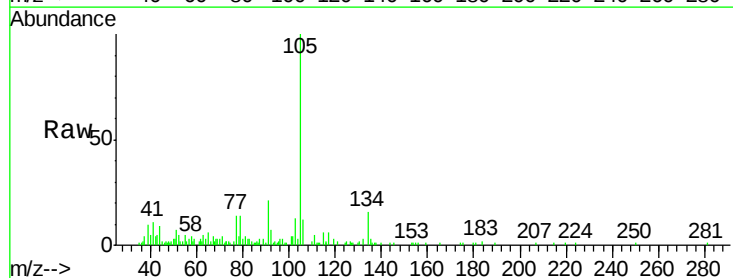
Acq: 08 Feb 2019 20:09

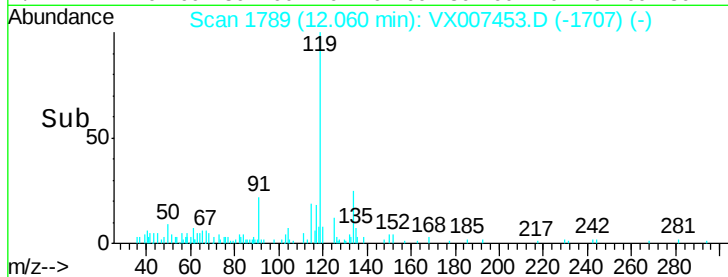
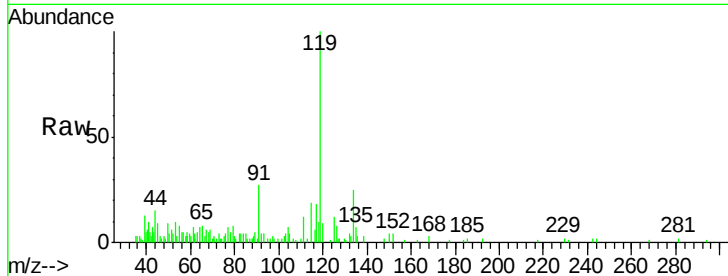
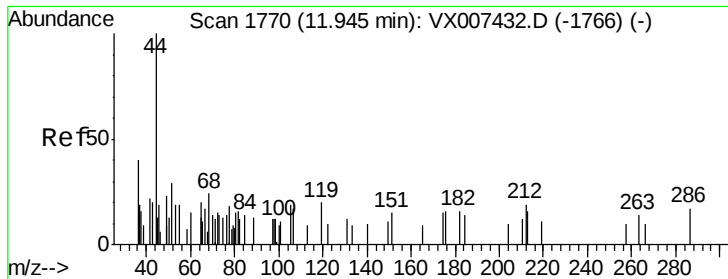
Tgt Ion:105 Resp: 8891

Ion Ratio Lower Upper

105 100

134 21.6 0.0 42.2





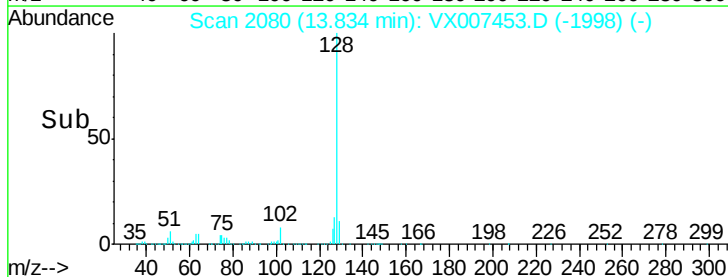
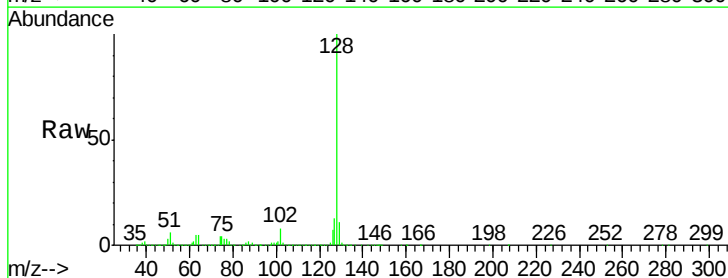
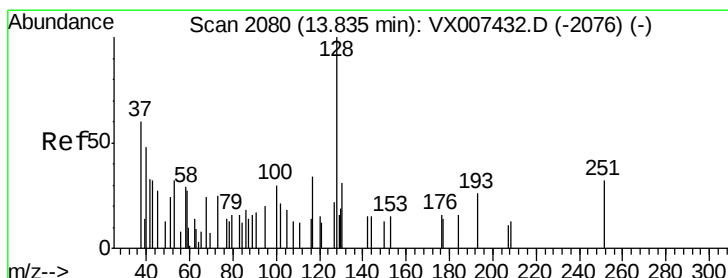
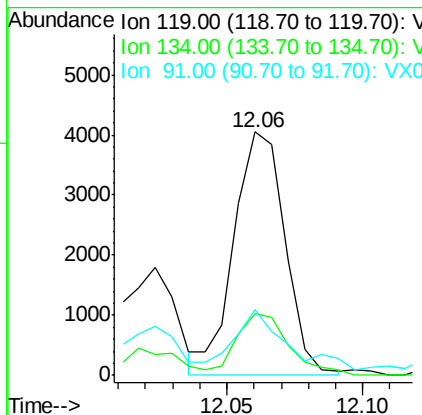
#82
p-Isopropyltoluene
Concen: 0.289 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007453.D
Acq: 08 Feb 2019 20:09

Tot Ion	Ratio	Resp	Lower	Upper
119	100	5286		
134	26.1	0.0	55.8	
91	22.0	0.0	45.0	

Instrument :
MSVOA_X
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Manual Integrations
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2/11/2019 9:39:54 AM



#91
Naphthalene
Concen: 89.727 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007453.D
Acq: 08 Feb 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1852016		
127	13.0	10.6	16.0	
129	10.8	8.9	13.3	

