

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008920.D
 Acq On : 13 Apr 2019 05:08
 Operator : JC/SP
 Sample : K2367-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0703

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:12:43 PM

Quant Time: Apr 13 07:11:47 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	5.67	168	198190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128205	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	126168	43.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.30%	
35) Dibromofluoromethane	5.50	113	92795	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
50) Toluene-d8	8.71	98	395754	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	143283	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.05	59	2012	2.973	ug/l #	70
16) Acetone	2.44	43	11191	6.721	ug/l	97
18) Methyl Acetate	2.78	43	3833	0.949	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	9090	3.190	ug/l	87
31) Cyclohexane	5.59	56	19914	3.987	ug/l	98
39) Methylcyclohexane	7.46	83	37307	8.781	ug/l	98
40) Benzene	6.15	78	57076	5.570	ug/l	100
52) Toluene	8.79	92	4726	0.782	ug/l	97
67) Ethyl Benzene	10.25	91	313748	27.207	ug/l	98
68) m/p-Xylenes	10.36	106	244529	58.975	ug/l	98
69) o-Xylene	10.70	106	13843	3.445	ug/l	98
73) Isopropylbenzene	11.02	105	25652	2.414	ug/l	100
78) n-propylbenzene	11.36	91	48692	3.936	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	24156	2.709	ug/l	99
83) tert-Butylbenzene	11.77	119	5466	0.637	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	307042	34.000	ug/l	98
85) sec-Butylbenzene	11.94	105	15655	1.536	ug/l	98
86) p-Isopropyltoluene	12.06	119	20110	2.198	ug/l	98
89) n-Butylbenzene	12.38	91	14822m	1.728	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	1761	0.388	ug/l	88
95) Naphthalene	13.83	128	103917	9.850	ug/l	97

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

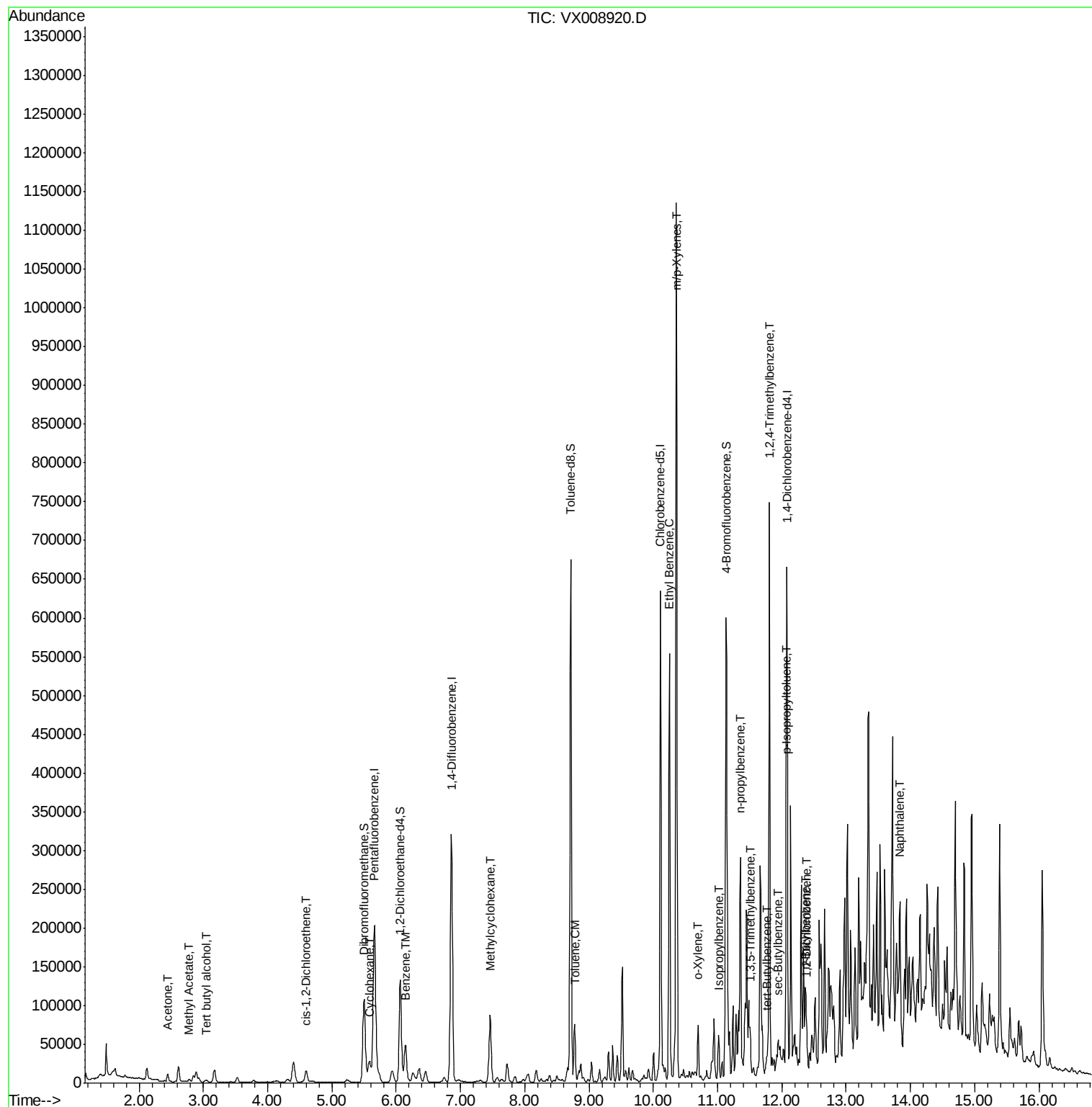
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
Data File : VX008920.D
Acq On : 13 Apr 2019 05:08
Operator : JC/SP
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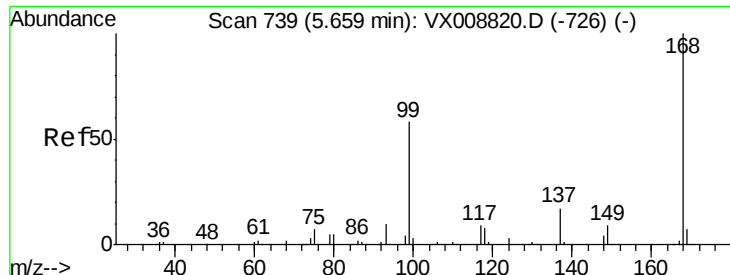
Instrument :
MSVOA_X
ClientSampleId :
S8-0703

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Quant Time: Apr 13 07:11:47 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

S8-0703

Tgt Ion:168 Resp: 198190

Ion Ratio Lower Upper

168 100

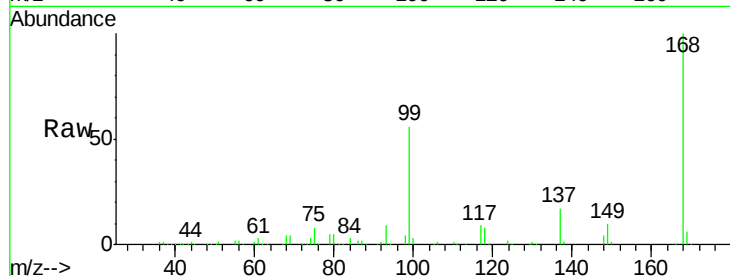
99 56.2 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

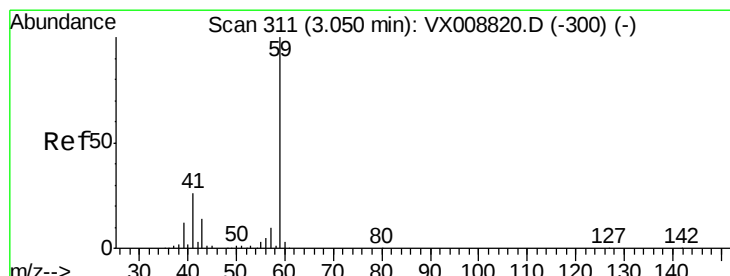
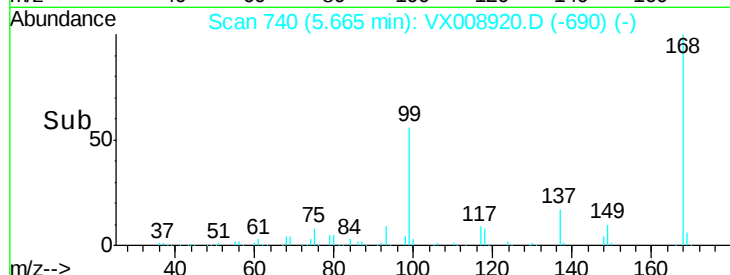
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.973 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.01 min

Lab File: VX008920.D

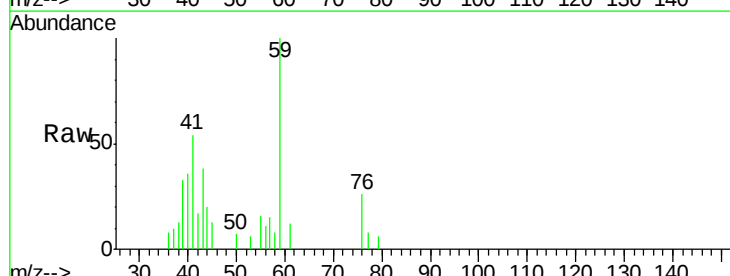
Acq: 13 Apr 2019 05:08

Tgt Ion: 59 Resp: 2012

Ion Ratio Lower Upper

59 100

57 21.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

5000

4000

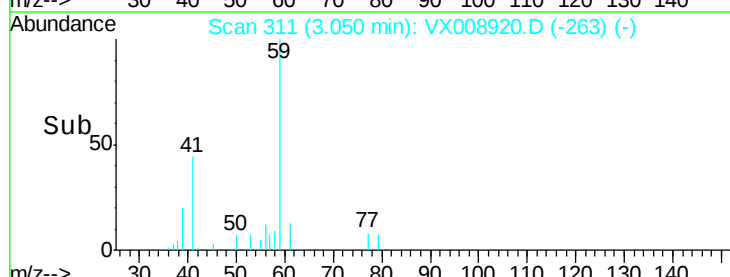
3000

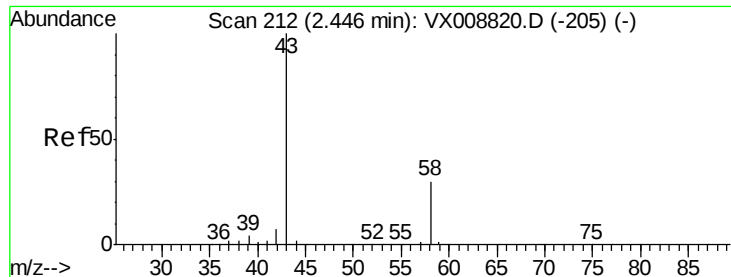
2000

1000

0

Time-->





#16

Acetone

Concen: 6.721 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

S8-0703

Tgt Ion: 43 Resp: 11191

Ion Ratio Lower Upper

43 100

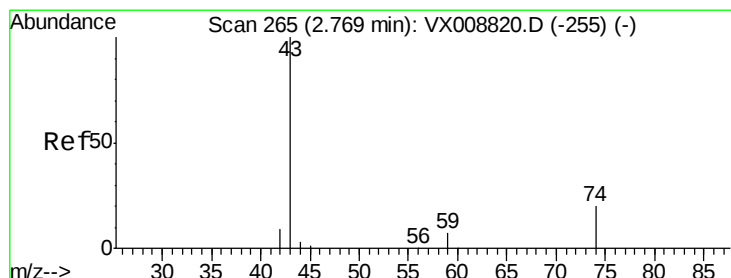
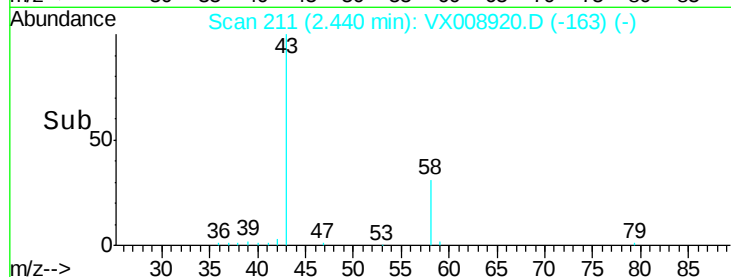
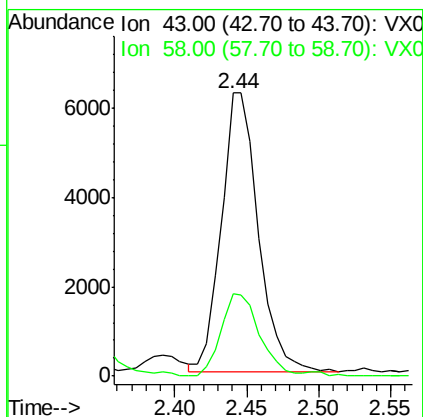
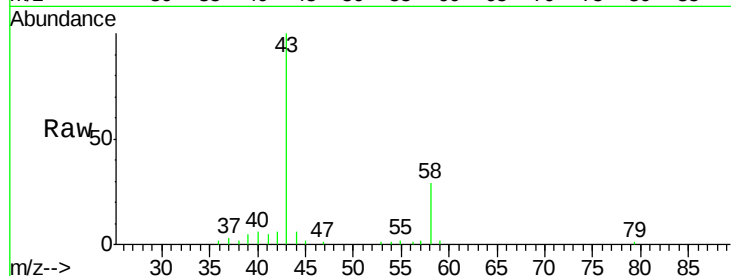
58 29.5 24.8 37.2

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#18

Methyl Acetate

Concen: 0.949 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX008920.D

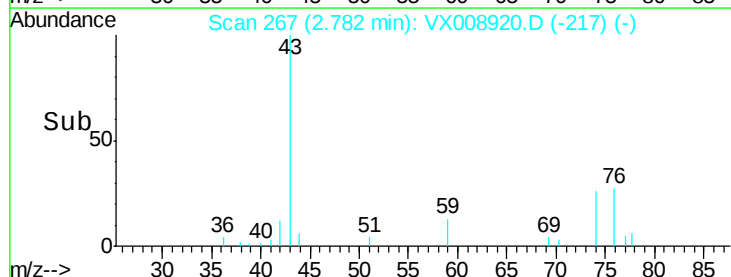
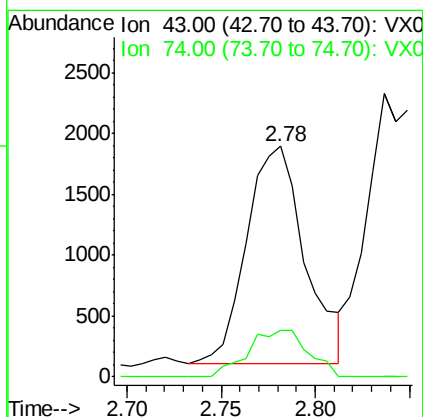
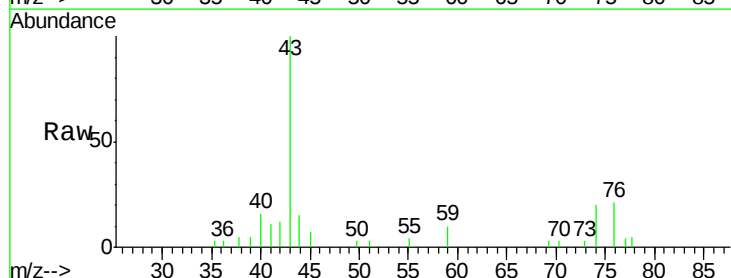
Acq: 13 Apr 2019 05:08

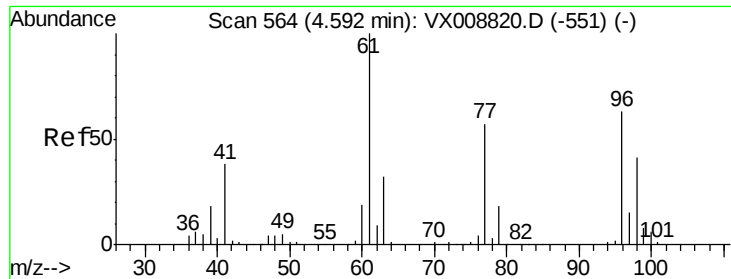
Tgt Ion: 43 Resp: 3833

Ion Ratio Lower Upper

43 100

74 22.1 16.5 24.7





#27

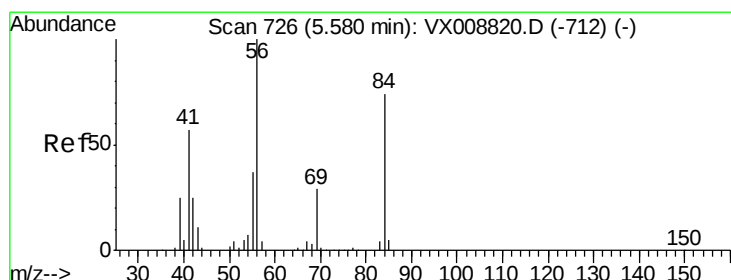
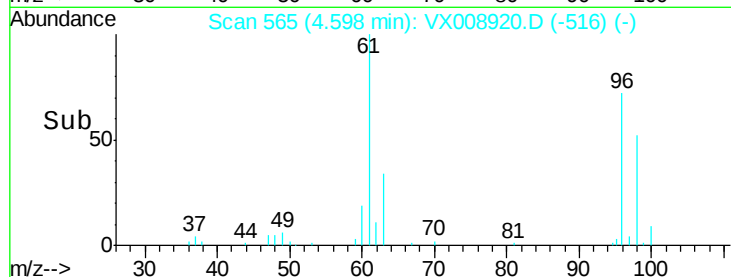
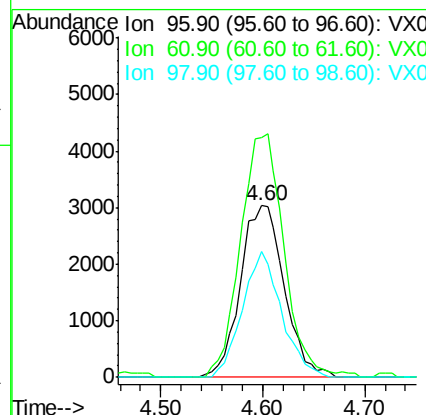
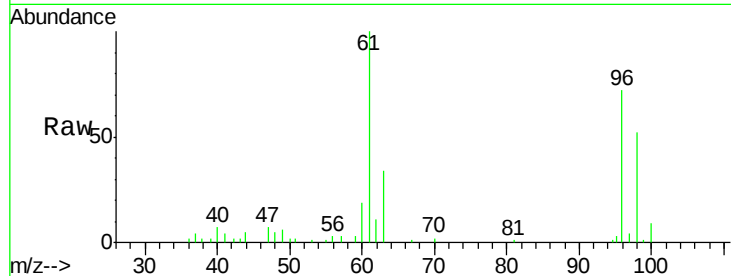
cis-1,2-Dichloroethene
Concen: 3.190 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampleId :
S8-0703

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9090		
61	140.5	0.0	327.6	
98	65.4	0.0	128.6	

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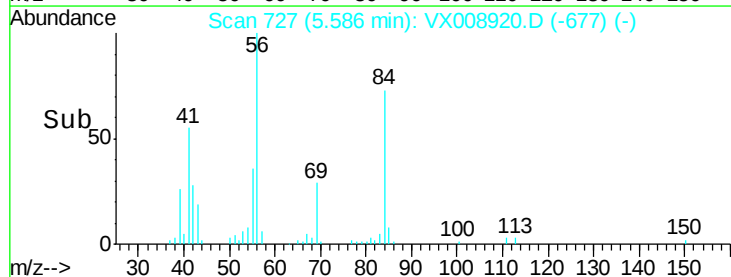
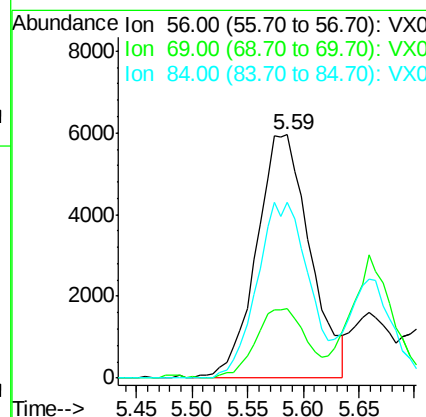
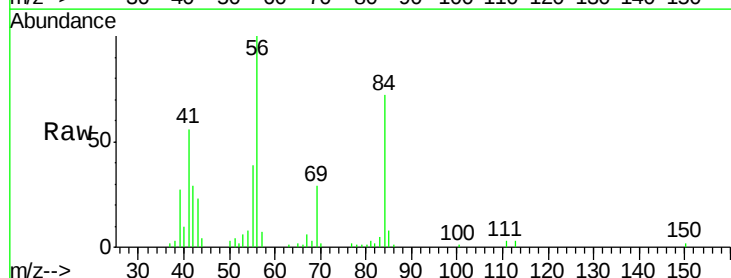
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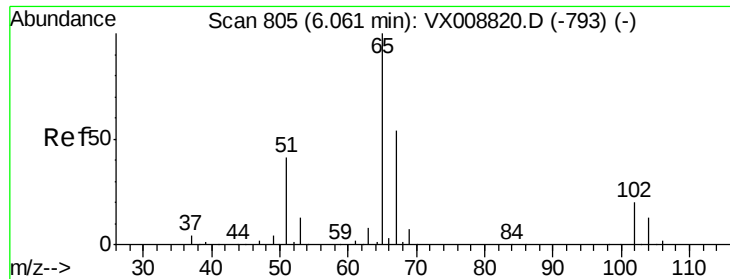


#31

Cyclohexane
Concen: 3.987 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	19914		
69	27.7	22.6	33.8	
84	72.4	59.3	88.9	





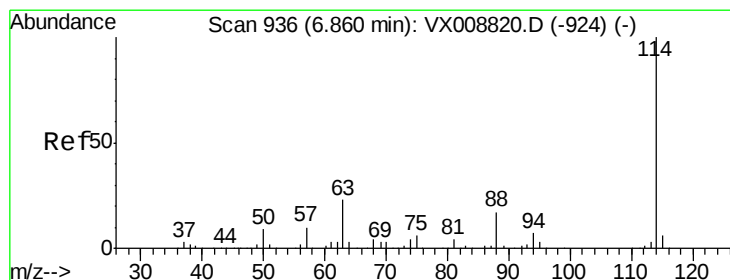
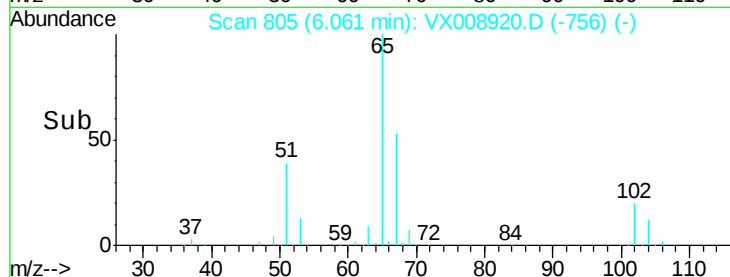
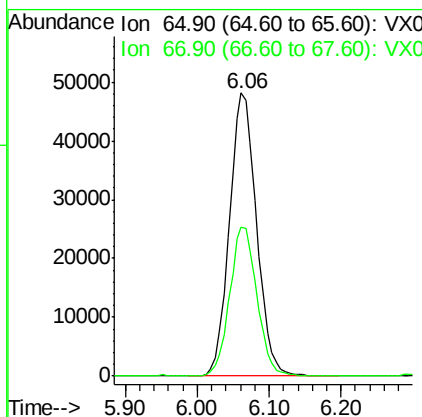
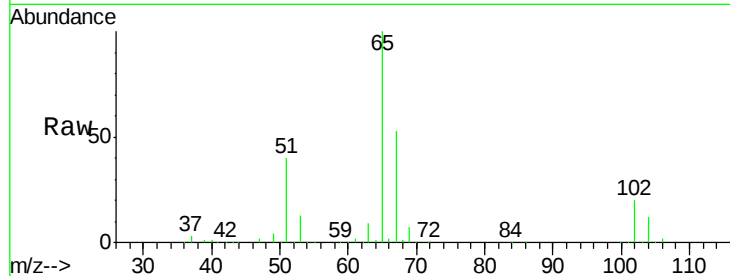
#33
 1,2-Dichloroethane-d4
 Concen: 43.646 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Instrument :
 MSVOA_X
 ClientSampled :
 S8-0703

Tgt Ion: 65 Resp: 126168
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2

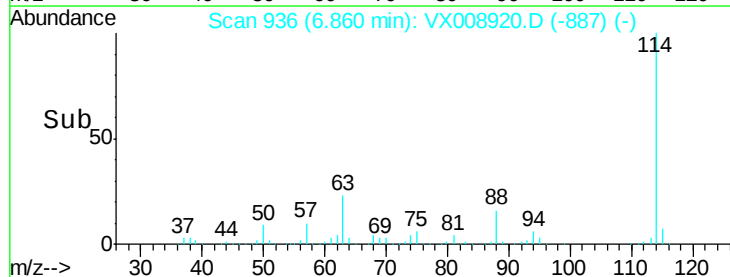
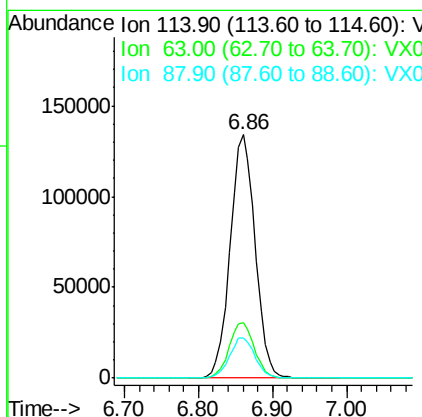
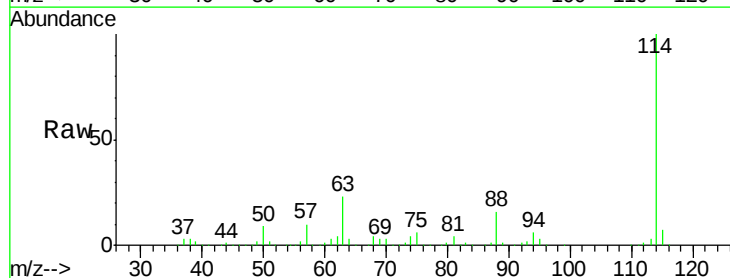
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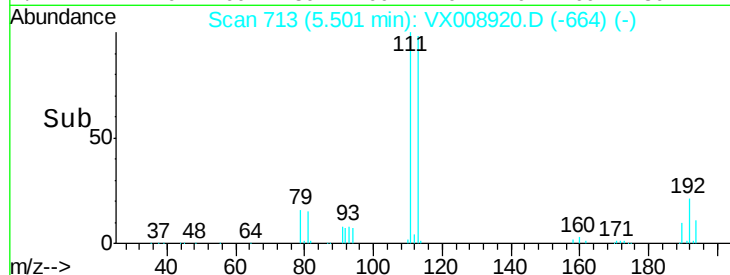
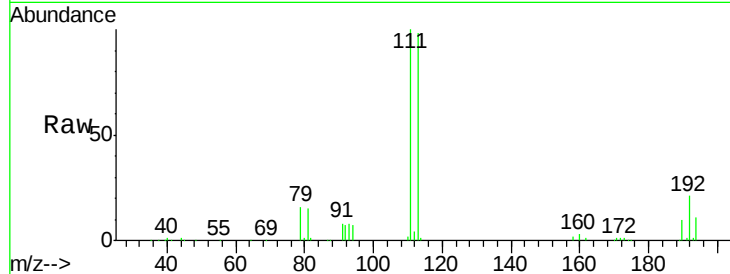
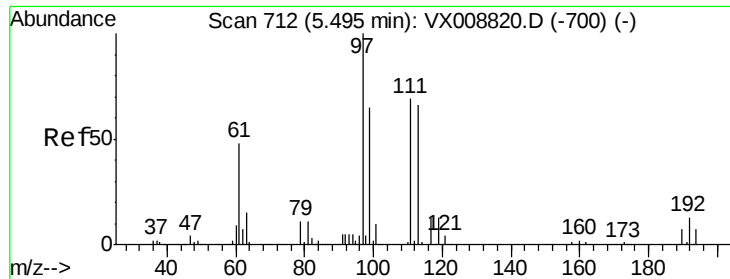
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Tgt Ion: 114 Resp: 314646
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.2
 88 16.5 0.0 34.0





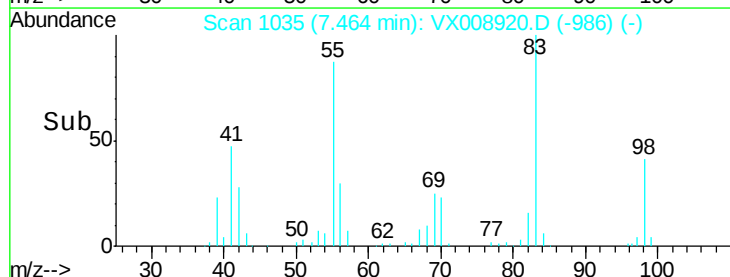
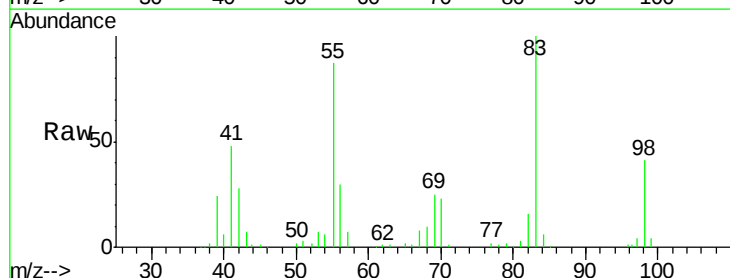
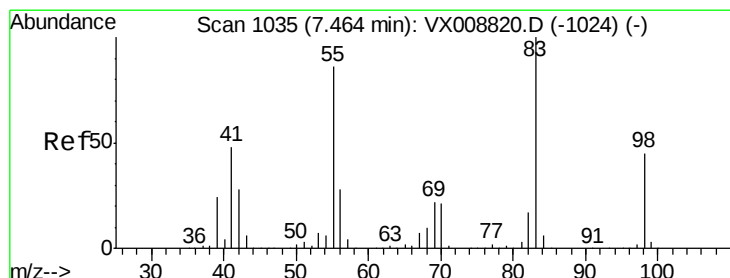
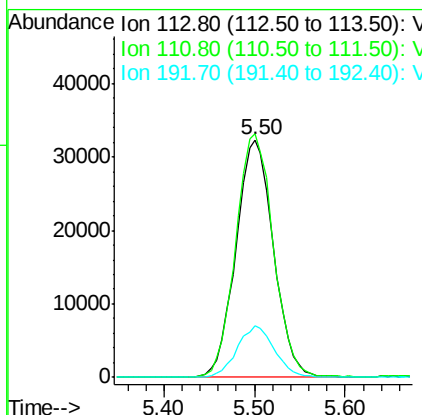
#35
Dibromofluoromethane
Concen: 46.127 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.2
192	21.3	16.1	24.1

Instrument :
MSVOA_X
ClientSampleId :
S8-0703

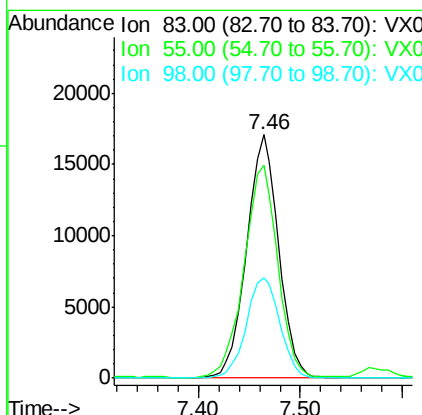
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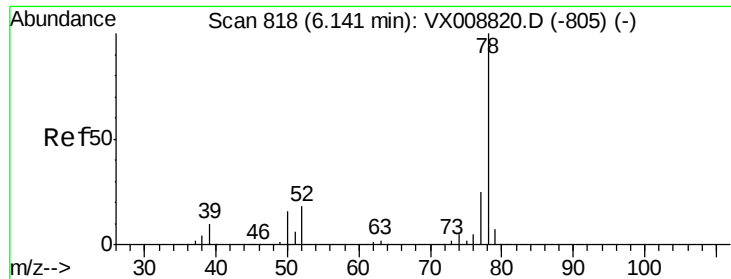
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#39
Methylcyclohexane
Concen: 8.781 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	69.0	103.6
98	41.3	34.4	51.6





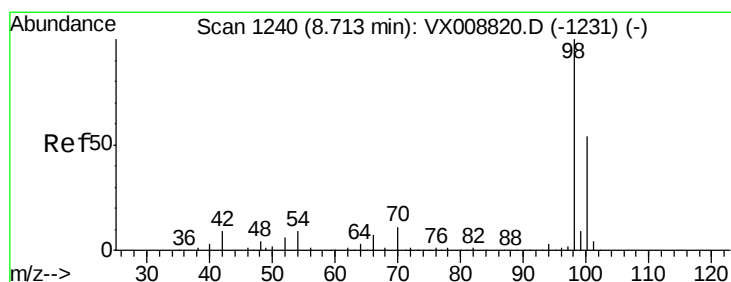
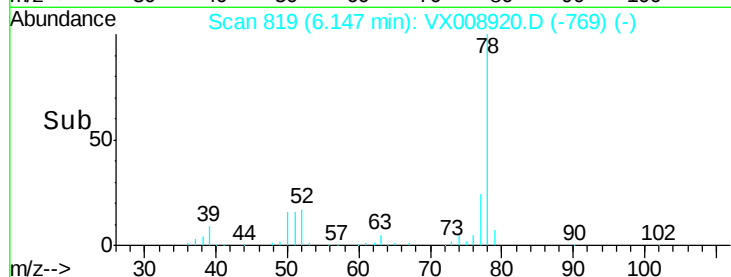
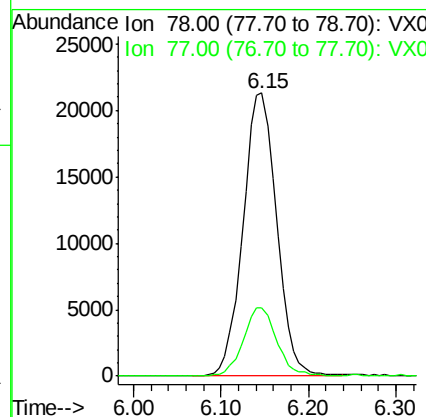
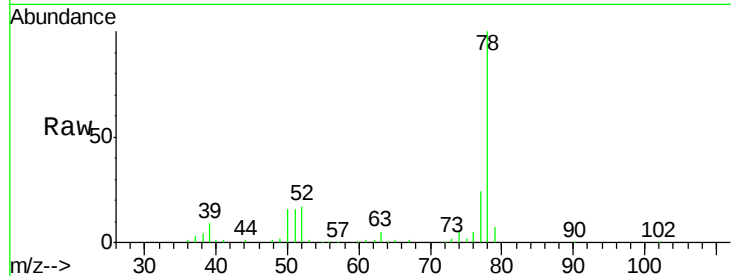
#40
Benzene
Concen: 5.570 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampleId :
S8-0703

Tgt Ion: 78 Resp: 57076
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

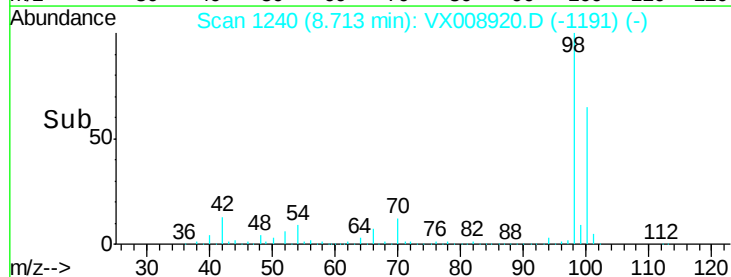
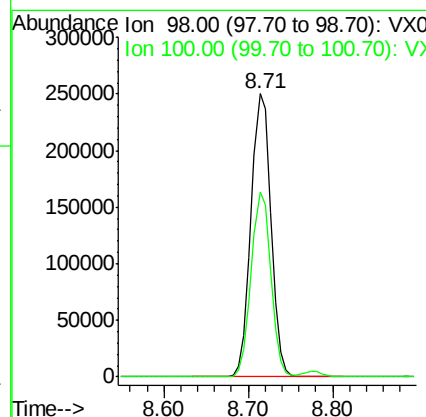
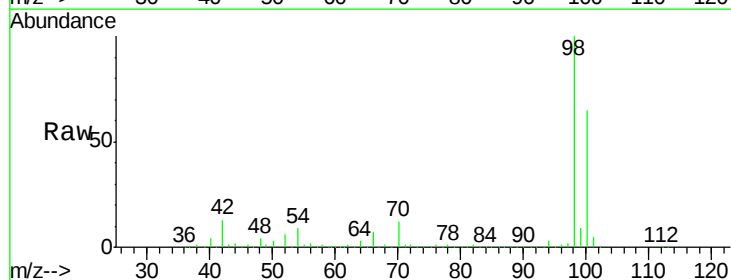
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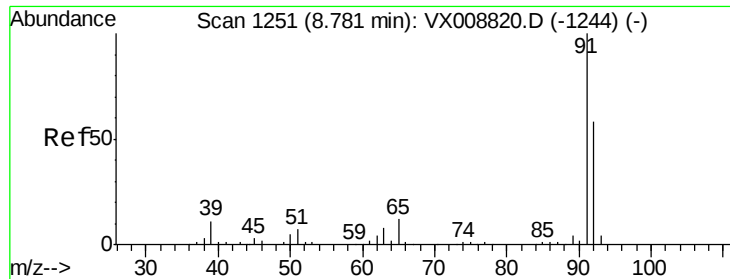
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#50
Toluene-d8
Concen: 49.406 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion: 98 Resp: 395754
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0





#52

Toluene

Concen: 0.782 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

S8-0703

Tgt Ion: 92 Resp: 4726

Ion Ratio Lower Upper

92 100

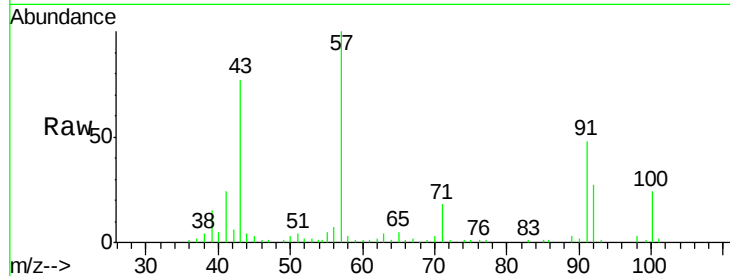
91 168.7 138.5 207.7

Manual Integrations

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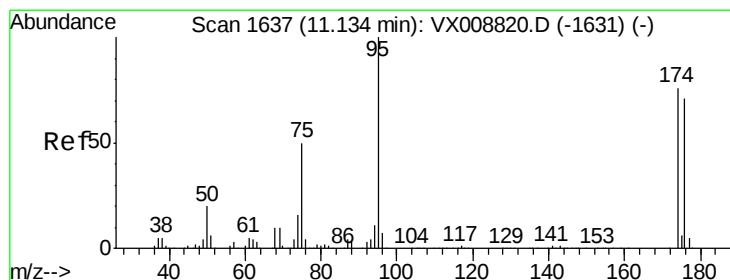
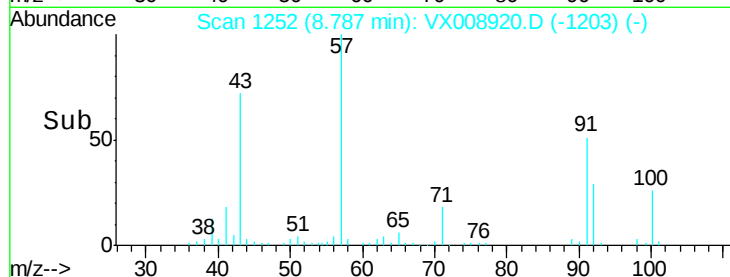
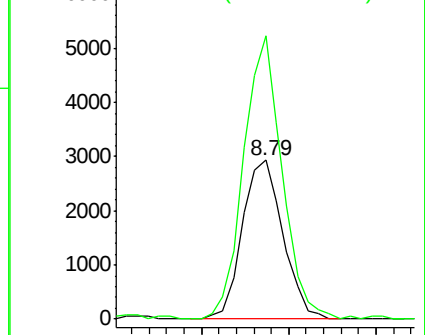
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

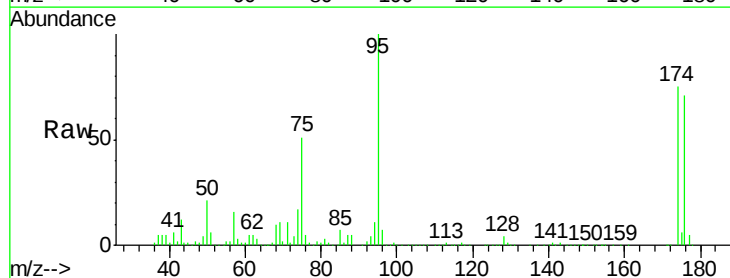
Tgt Ion: 95 Resp: 143283

Ion Ratio Lower Upper

95 100

174 77.5 0.0 151.8

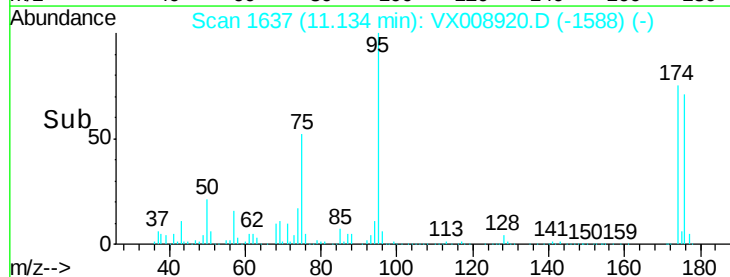
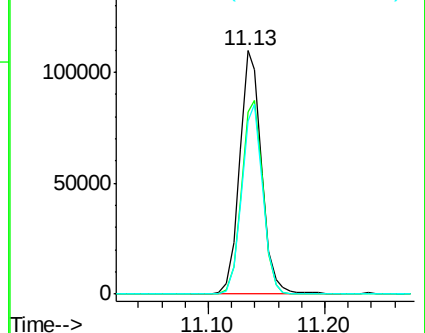
176 74.6 0.0 145.8

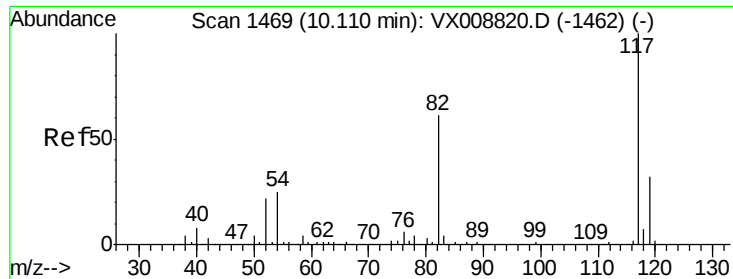


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





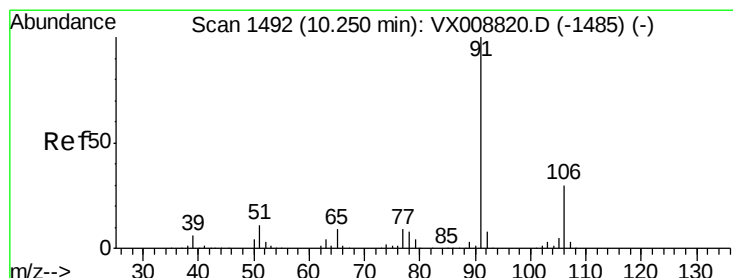
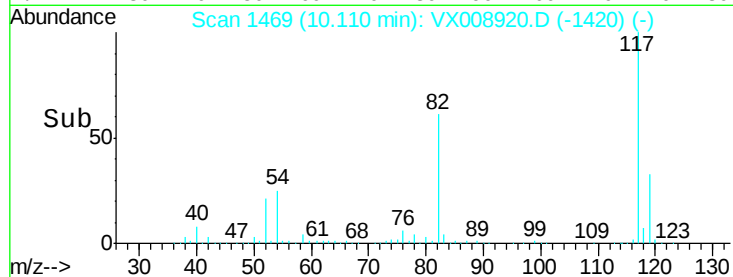
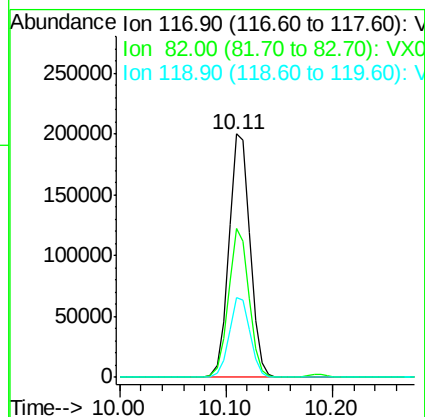
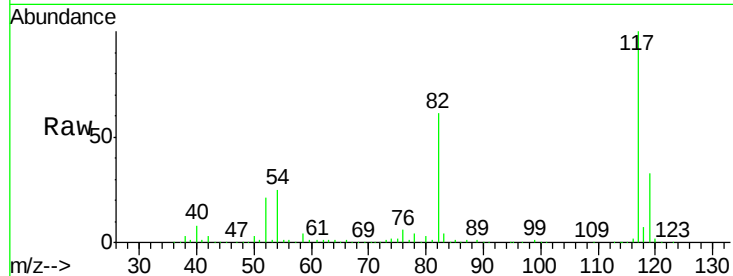
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampled :
S8-0703

Tgt Ion: 117 Resp: 278990
Ion Ratio Lower Upper
117 100
82 60.9 49.6 74.4
119 32.5 25.0 37.4

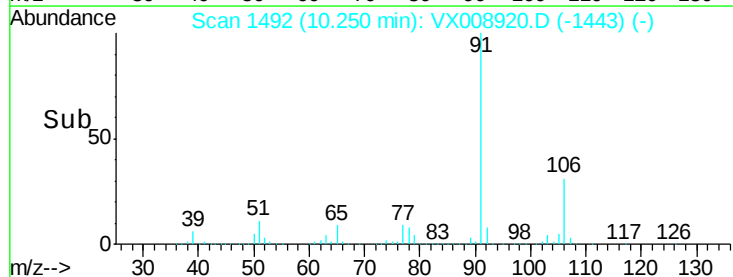
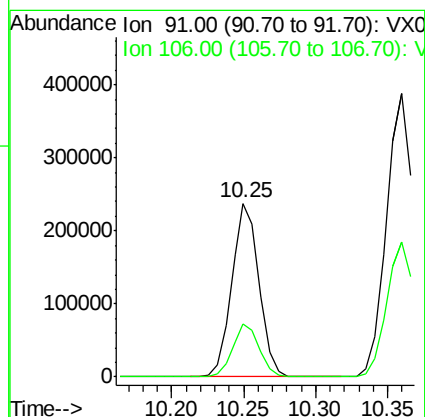
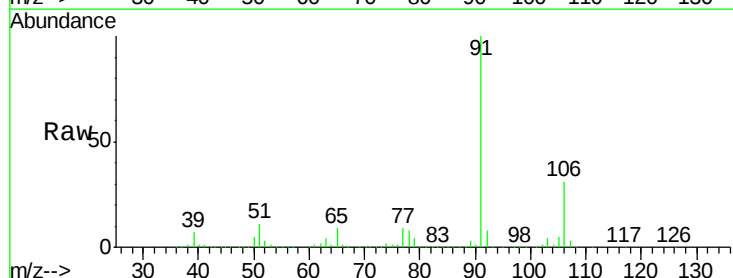
Manual Integrations
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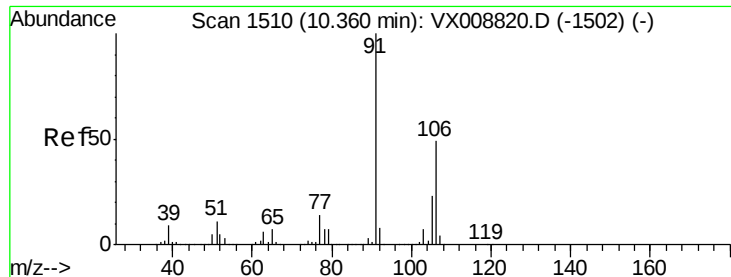
MMDadoda
4/13/2019 2:12:43 PM



#67
Ethyl Benzene
Concen: 27.207 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion: 91 Resp: 313748
Ion Ratio Lower Upper
91 100
106 30.5 23.7 35.5





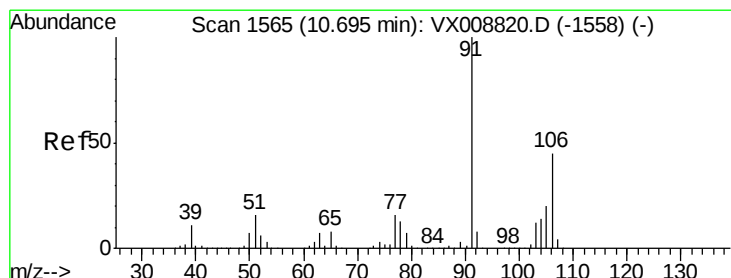
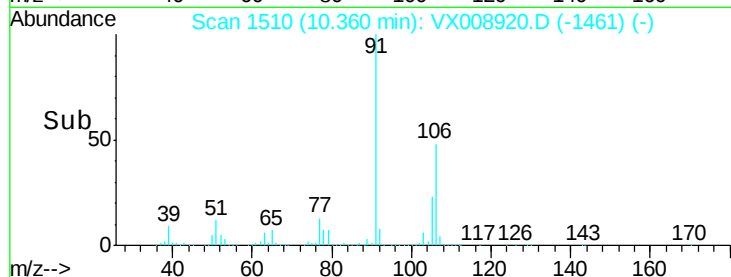
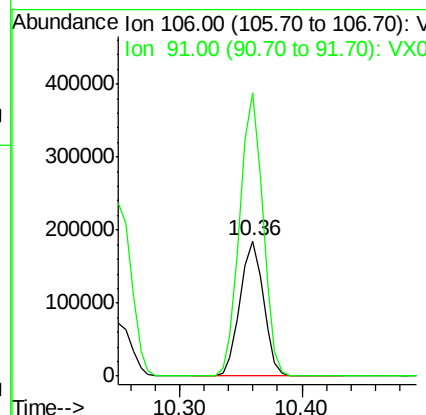
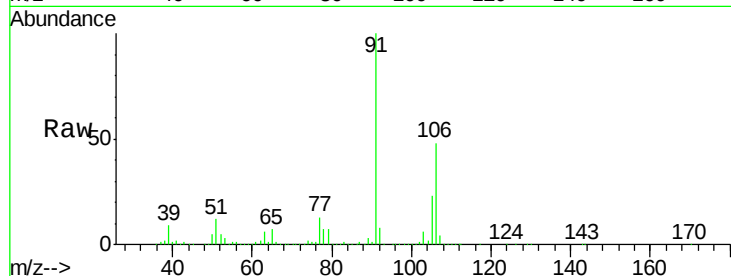
#68
m/p-Xylenes
Concen: 58.975 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampled :
S8-0703

Tgt Ion:106 Resp: 244529
Ion Ratio Lower Upper
106 100
91 207.7 168.5 252.7

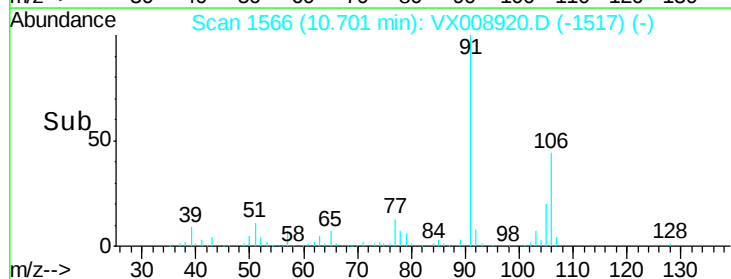
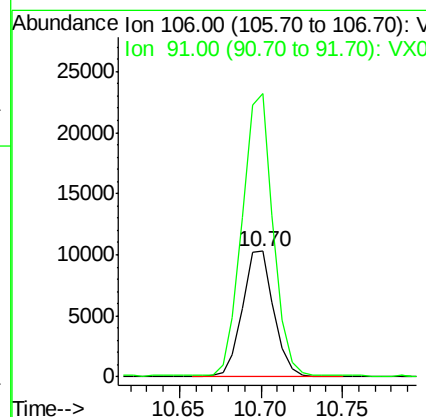
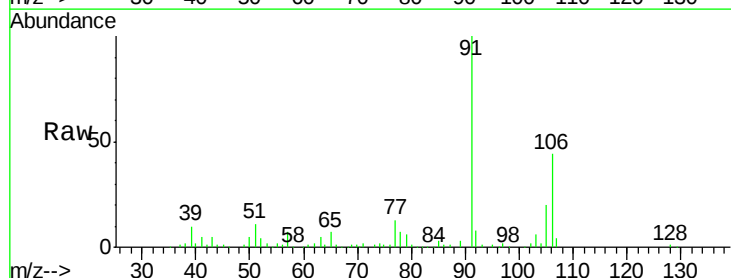
Manual Integrations
APPROVED

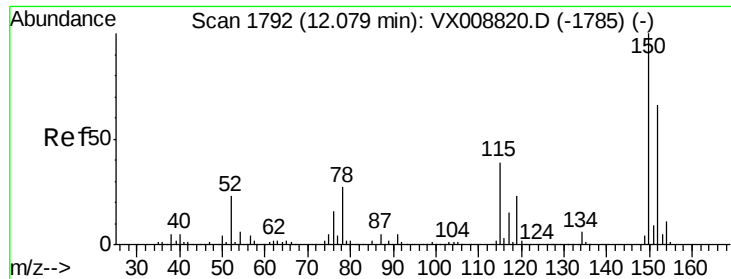
MMDadoda
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#69
o-Xylene
Concen: 3.445 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion:106 Resp: 13843
Ion Ratio Lower Upper
106 100
91 219.8 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Instrument :

MSVOA_X

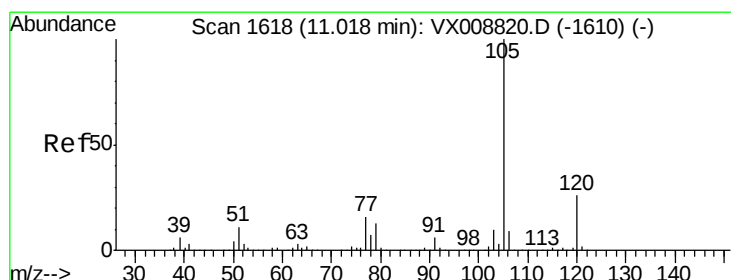
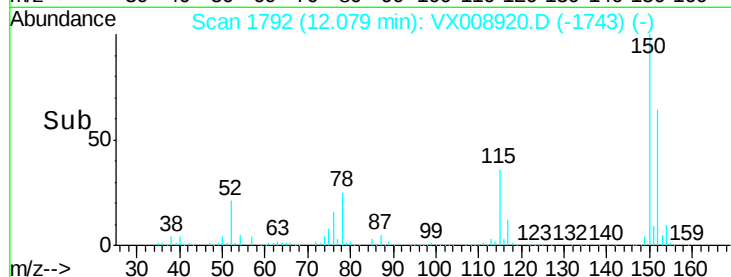
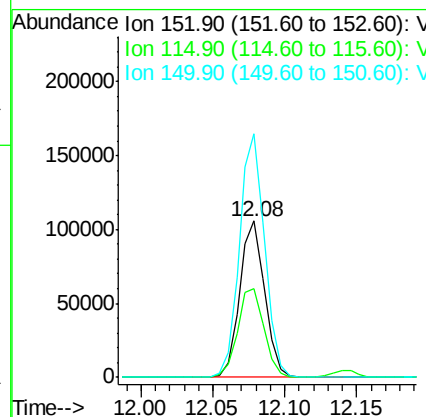
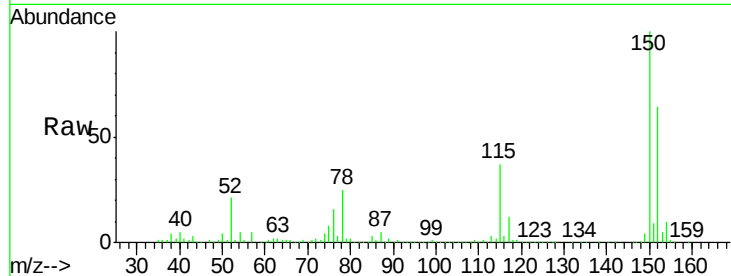
ClientSampled :

S8-0703

Tgt Ion:	152	Resp:	128205
Ion Ratio	Lower	Upper	
152	100		
115	59.9	43.5	130.5
150	156.3	0.0	348.8

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#73

Isopropylbenzene

Concen: 2.414 ug/l

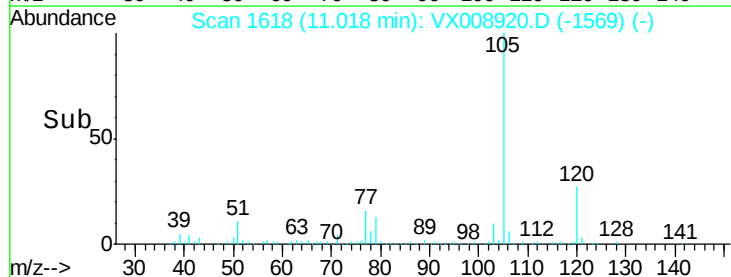
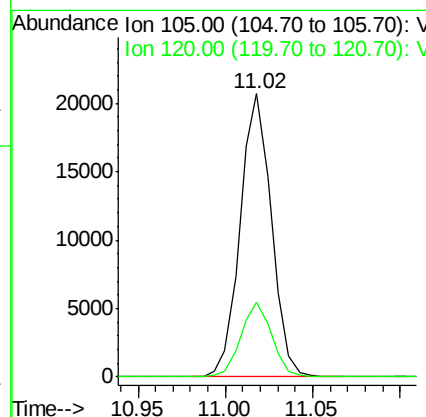
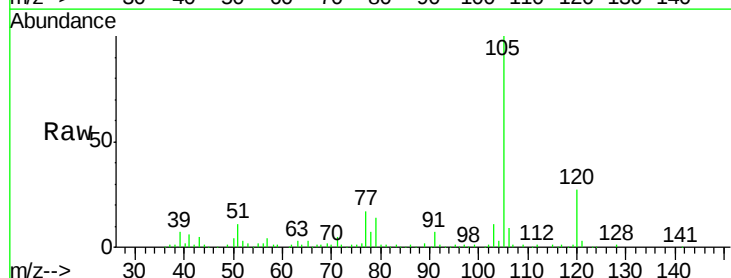
RT: 11.02 min Scan# 1618

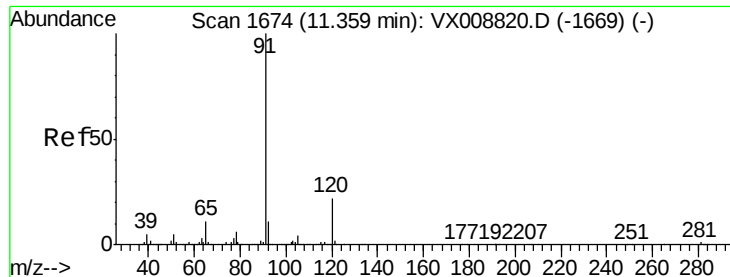
Delta R.T. -0.00 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Tgt Ion:	105	Resp:	25652
Ion Ratio	Lower	Upper	
105	100		
120	25.9	12.9	38.6





#78

n-propylbenzene

Concen: 3.936 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008920.D

Acq: 13 Apr 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

S8-0703

Tgt Ion: 91 Resp: 48692

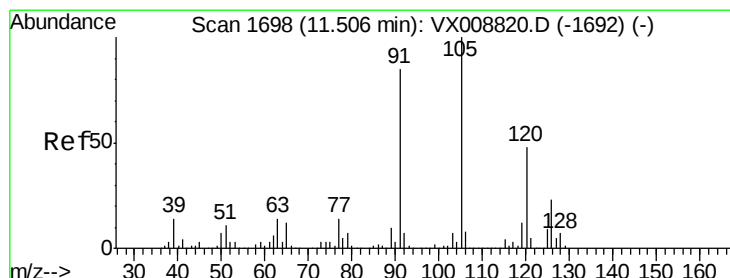
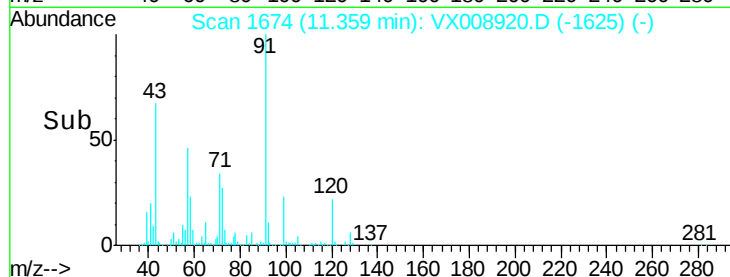
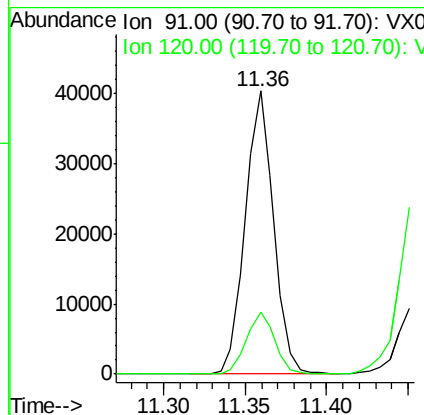
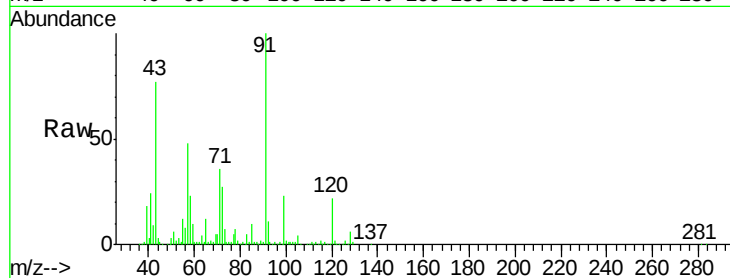
Ion Ratio Lower Upper

91 100

120 22.0 10.9 32.7

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#80

1,3,5-Trimethylbenzene

Concen: 2.709 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008920.D

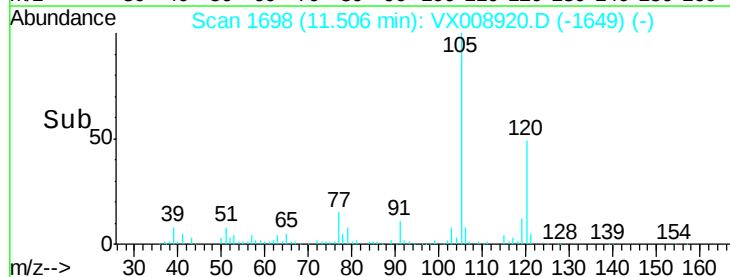
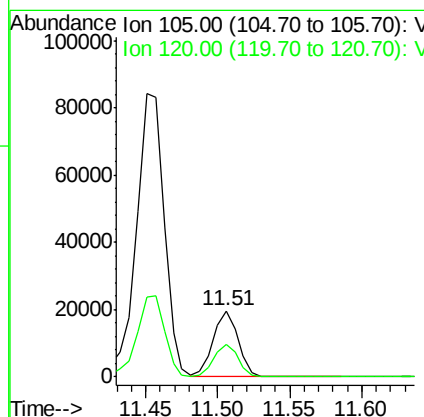
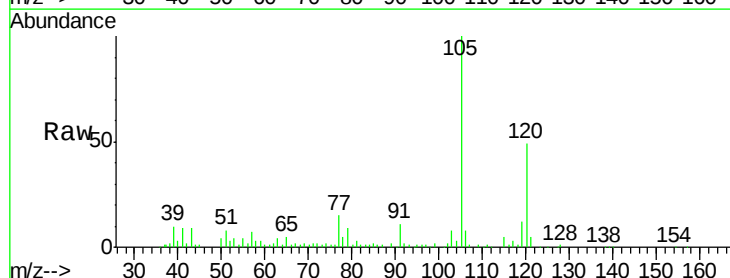
Acq: 13 Apr 2019 05:08

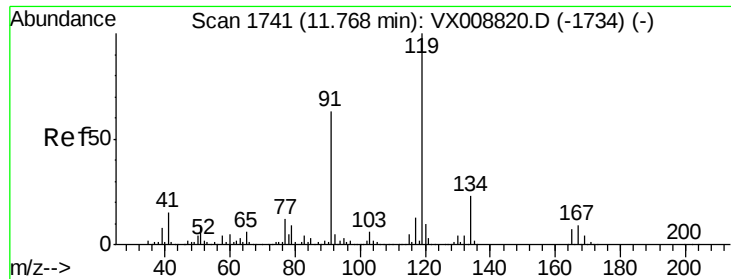
Tgt Ion: 105 Resp: 24156

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6





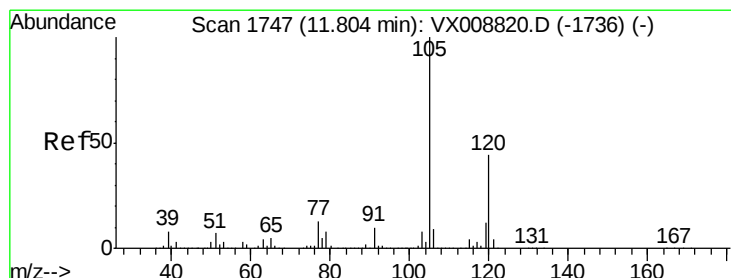
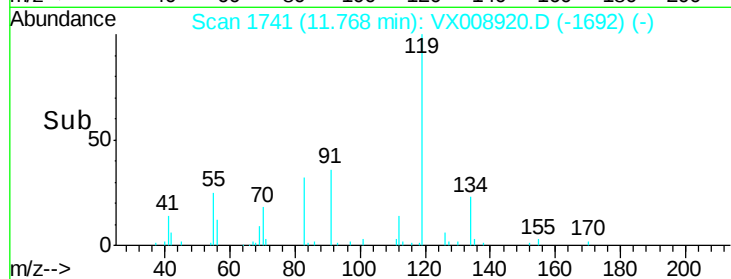
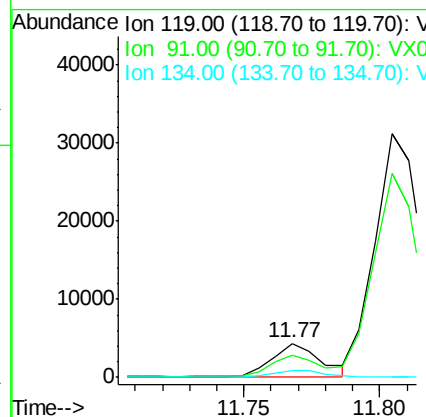
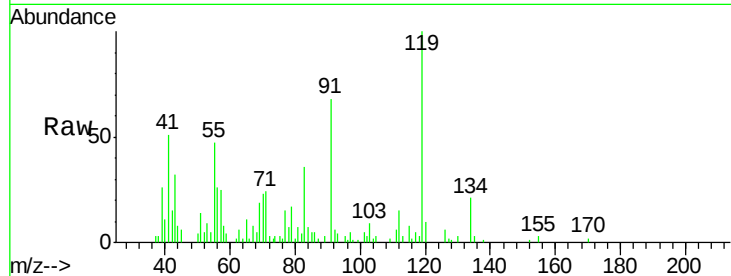
#83
 tert-Butylbenzene
 Concen: 0.637 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0703

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	5466		
91	57.6	30.0	90.1	
134	20.5	11.1	33.3	

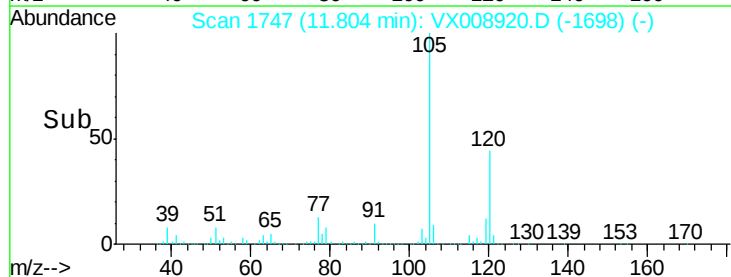
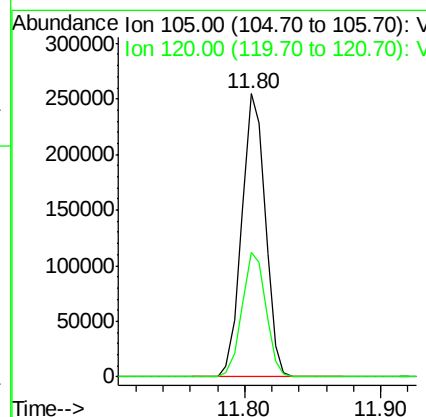
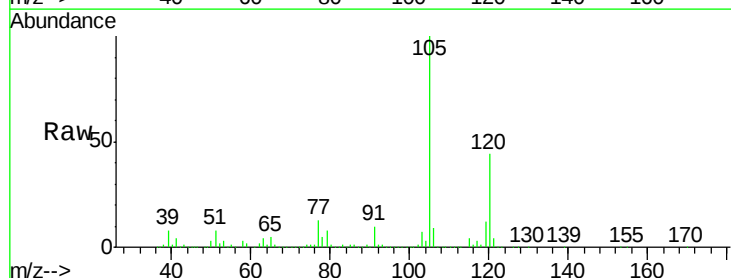
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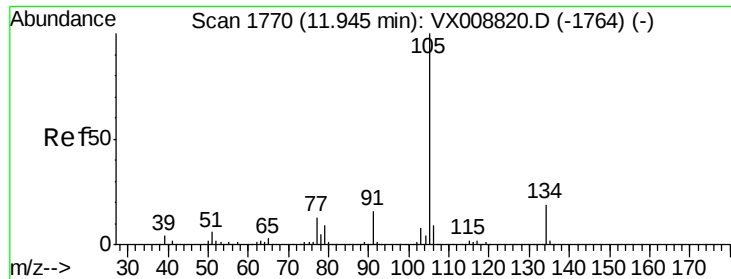
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#84
 1,2,4-Trimethylbenzene
 Concen: 34.000 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307042		
120	44.7	21.8	65.3	





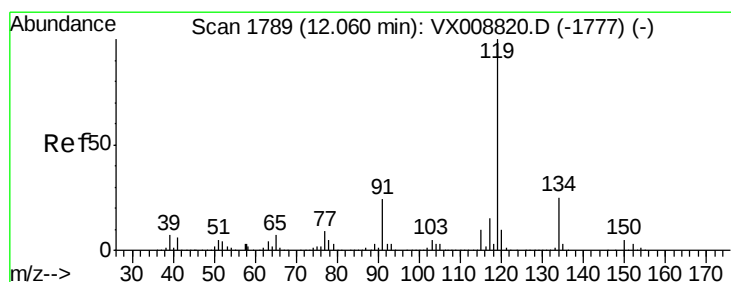
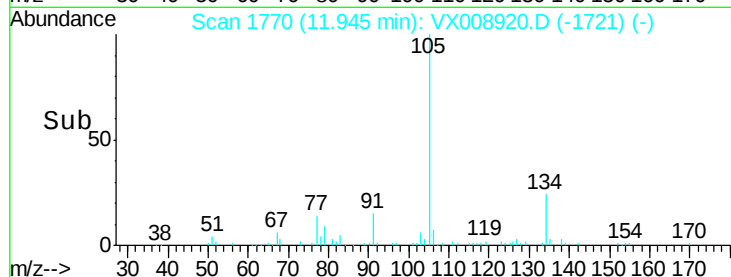
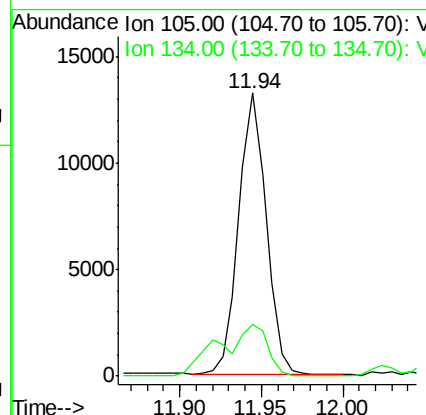
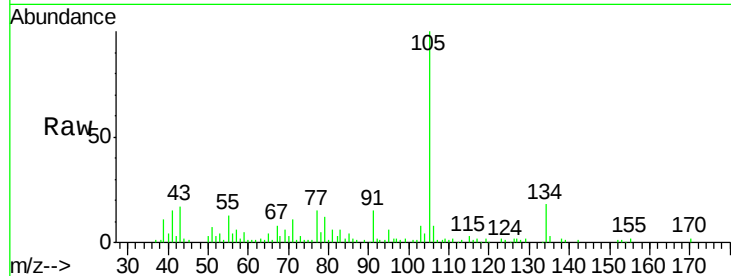
#85
 sec-Butylbenzene
 Concen: 1.536 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0703

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	15655		
134	18.0	9.4	28.2	

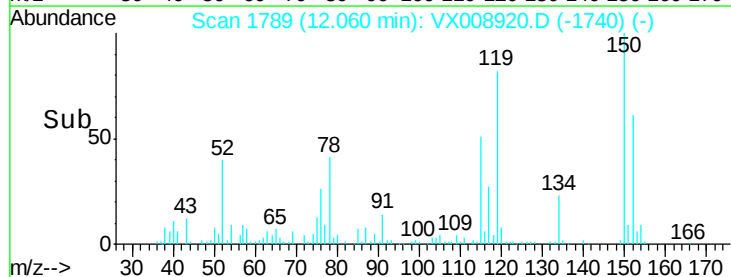
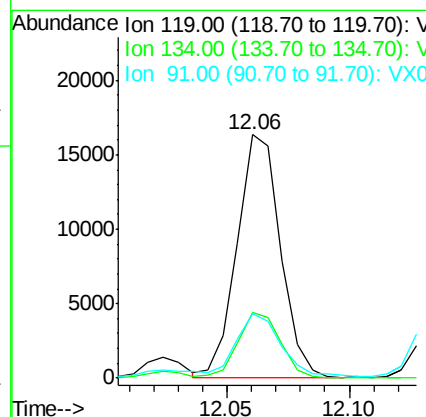
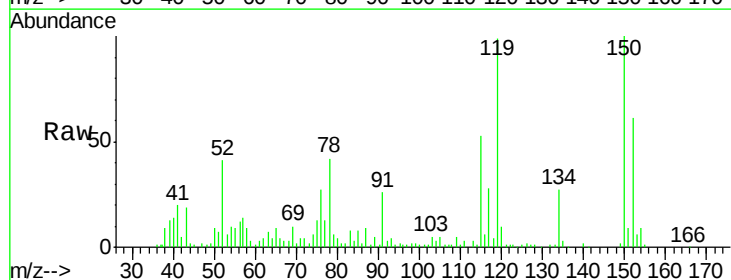
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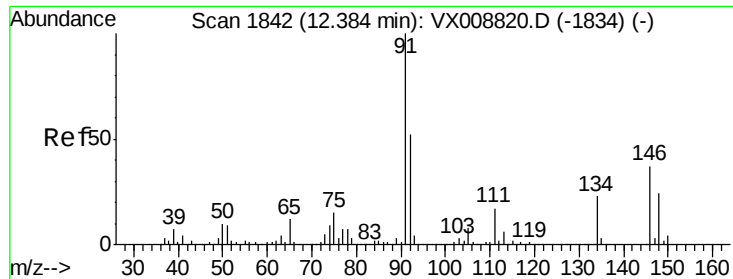
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#86
 p-Isopropyltoluene
 Concen: 2.198 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008920.D
 Acq: 13 Apr 2019 05:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	20110		
134	26.6	12.8	38.4	
91	25.7	12.2	36.6	





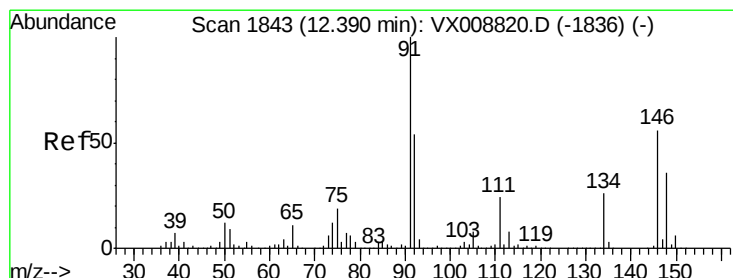
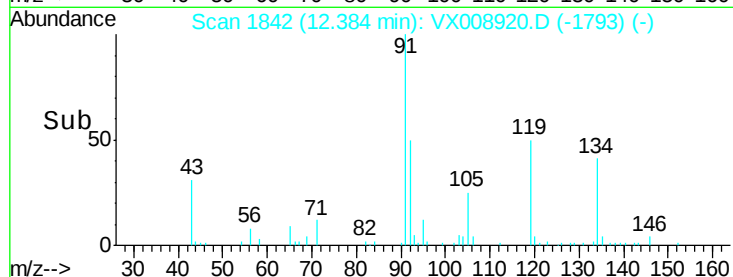
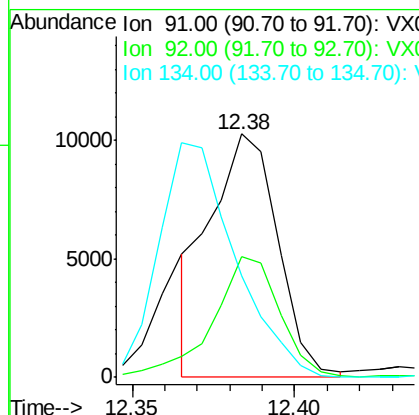
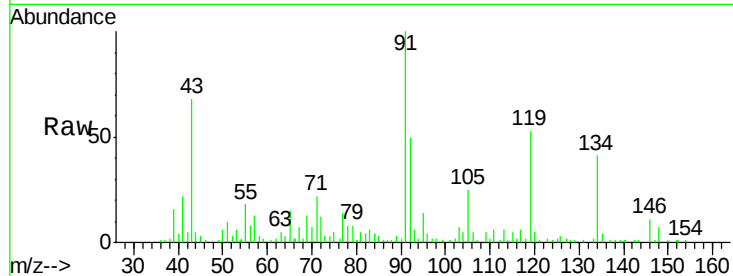
#89
n-Butylbenzene
Concen: 1.728 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampled :
S8-0703

Tgt Ion: 91 Resp: 14822
Ion Ratio Lower Upper
91 100
92 49.8 26.4 79.2
134 109.9 12.0 36.0#

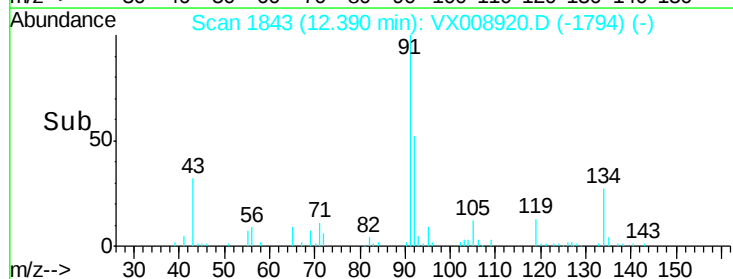
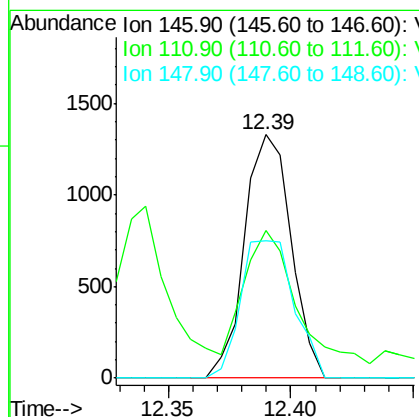
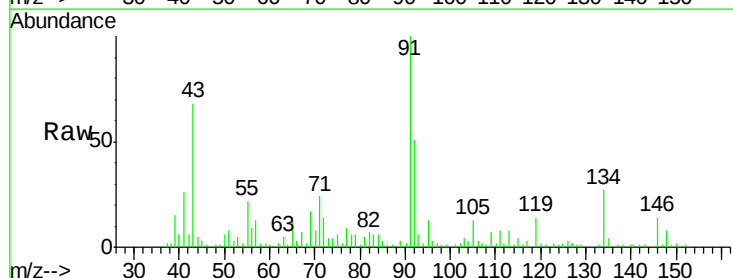
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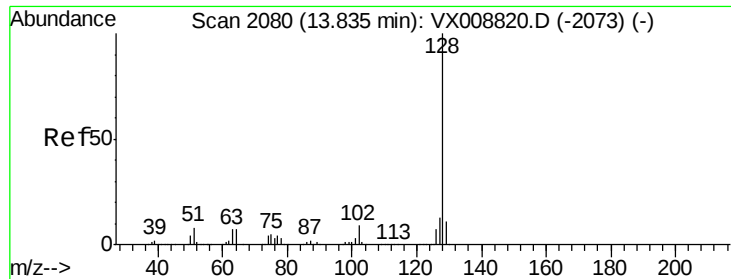
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#91
1,2-Dichlorobenzene
Concen: 0.388 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Tgt Ion: 146 Resp: 1761
Ion Ratio Lower Upper
146 100
111 59.7 21.3 63.9
148 65.2 31.7 95.1





#95
Naphthalene
Concen: 9.850 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008920.D
Acq: 13 Apr 2019 05:08

Instrument :
MSVOA_X
ClientSampleId :
S8-0703

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	103917		
127	14.0		10.4	15.6
129	12.0		8.6	13.0

Manual Integrations
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