

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009186.D
 Acq On : 26 Apr 2019 13:49
 Operator : JC/SP
 Sample : K2565-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0104

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 11:25:19 AM

Quant Time: Apr 27 05:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340578	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124268	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	137821	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
35) Dibromofluoromethane	5.50	113	102028	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	429688	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	141129	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.72%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	7391	4.777	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	6005	2.184	ug/l	94
31) Cyclohexane	5.58	56	92586	19.485	ug/l	96
39) Methylcyclohexane	7.46	83	134240	31.302	ug/l	98
40) Benzene	6.15	78	18396	1.770	ug/l	99
52) Toluene	8.79	92	8745	1.404	ug/l	97
67) Ethyl Benzene	10.25	91	253022	22.372	ug/l	99
68) m/p-Xylenes	10.36	106	55218	13.434	ug/l	98
69) o-Xylene	10.70	106	248265	62.076	ug/l	97
73) Isopropylbenzene	11.02	105	24291	2.579	ug/l	99
78) n-propylbenzene	11.36	91	31626	2.925	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	11944	1.511	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	164028	20.386	ug/l	98
85) sec-Butylbenzene	11.94	105	11490	1.269	ug/l	84
86) p-Isopropyltoluene	12.07	119	11283	1.356	ug/l	92
89) n-Butylbenzene	12.38	91	6432m	0.830	ug/l	
95) Naphthalene	13.83	128	43139	4.541	ug/l #	92

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

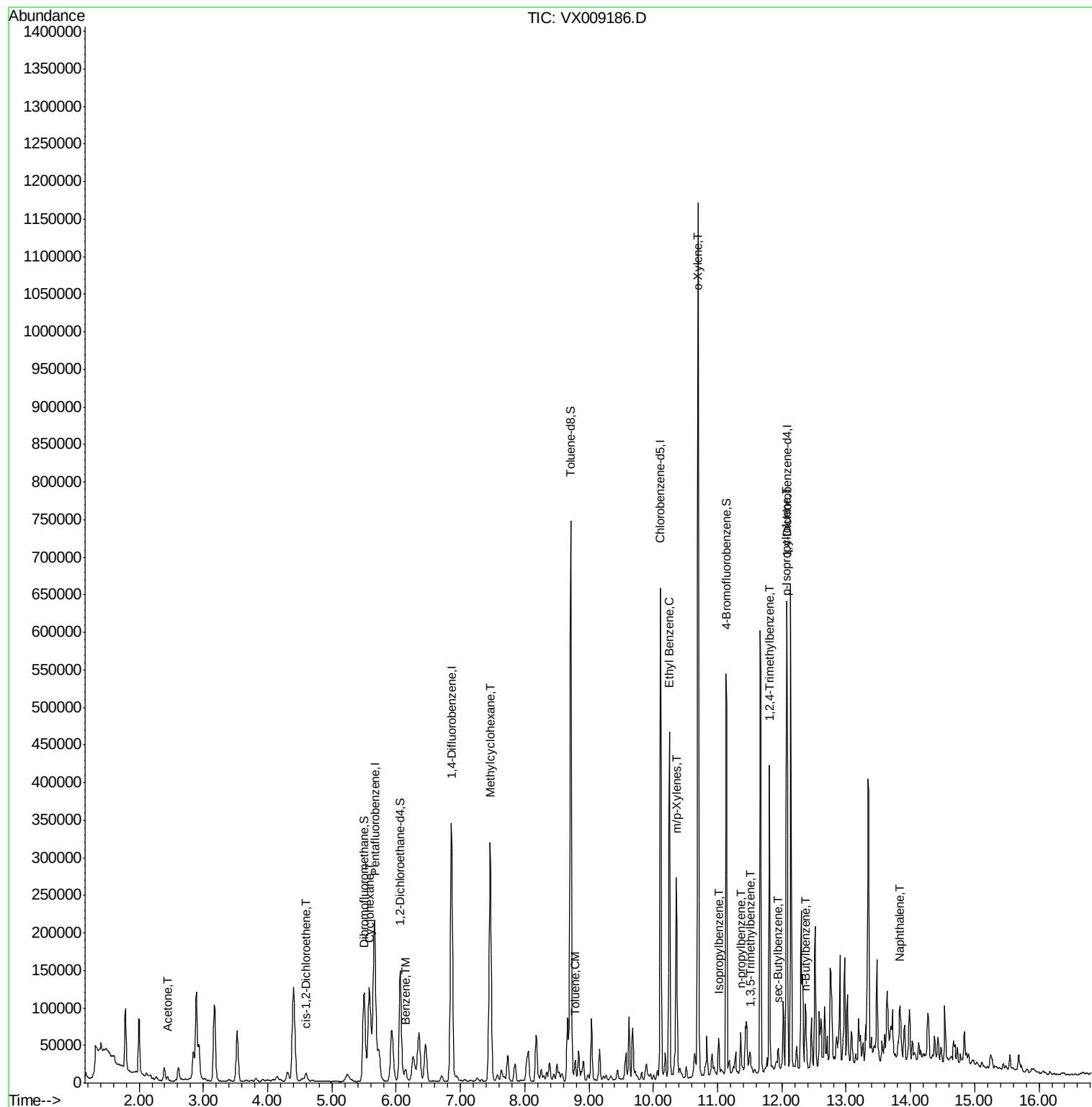
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042619\
Data File : VX009186.D
Acq On : 26 Apr 2019 13:49
Operator : JC/SP
Sample : K2565-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

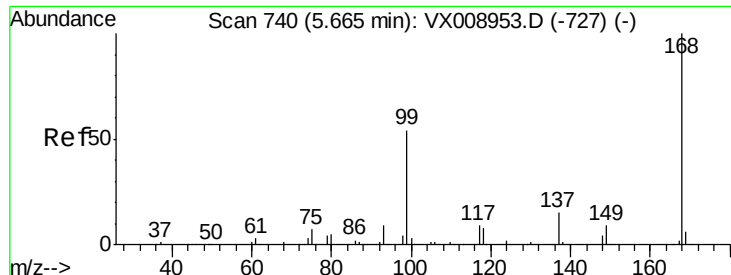
Instrument :
MSVOA_X
ClientSampleId :
S81-0104

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Quant Time: Apr 27 05:09:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

S81-0104

Tot Ion:168 Resp: 211686

Ion Ratio Lower Upper

168 100

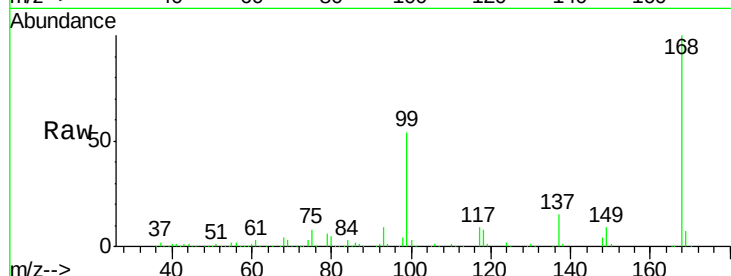
99 53.9 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

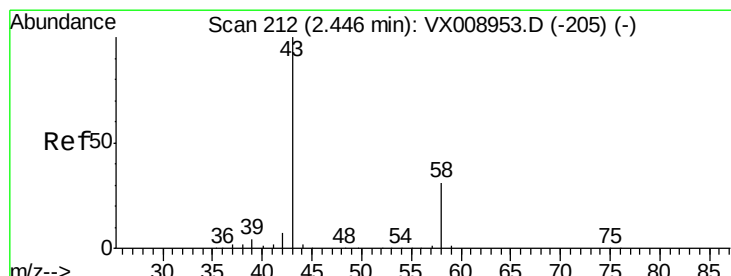
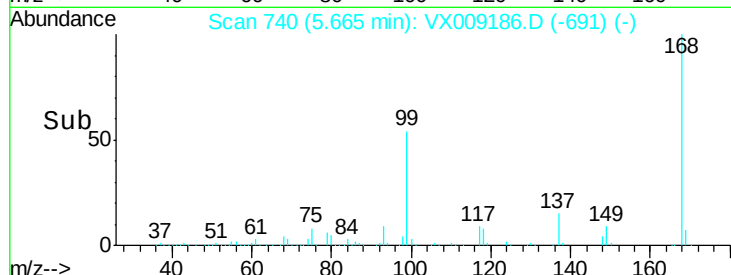
40000

20000

0

5.50 5.60 5.70 5.80 5.90

5.67



#16

Acetone

Concen: 4.777 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009186.D

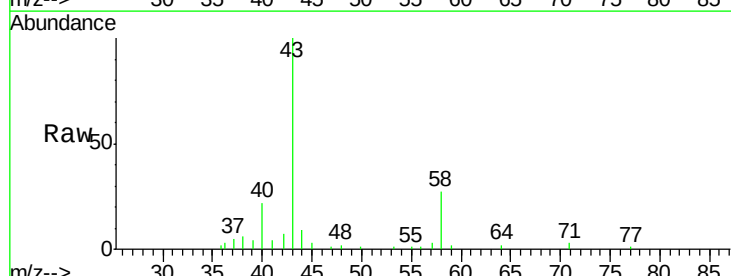
Acq: 26 Apr 2019 13:49

Tgt Ion: 43 Resp: 7391

Ion Ratio Lower Upper

43 100

58 26.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

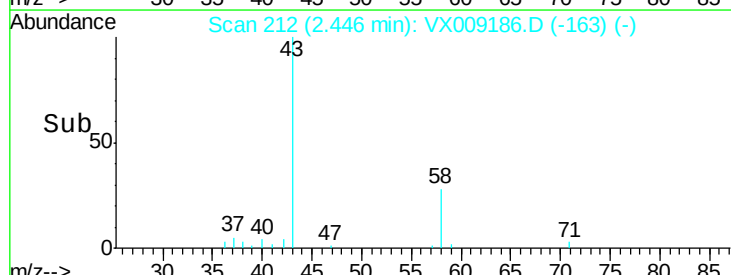
2000

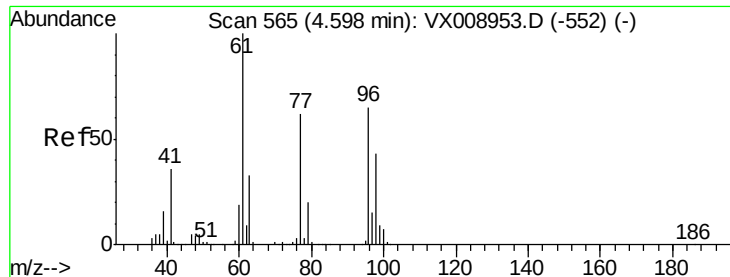
1000

0

2.40 2.45 2.50 2.55

2.45





#27

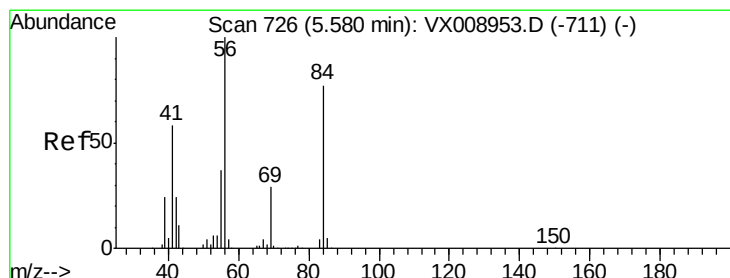
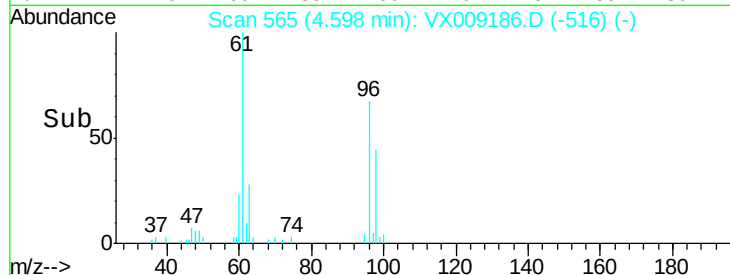
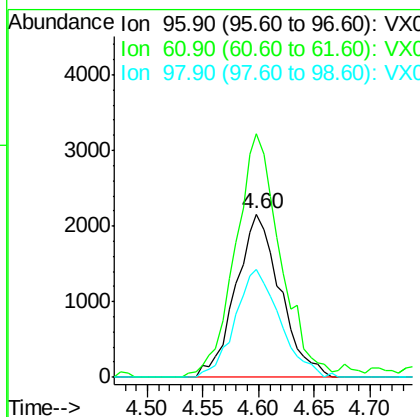
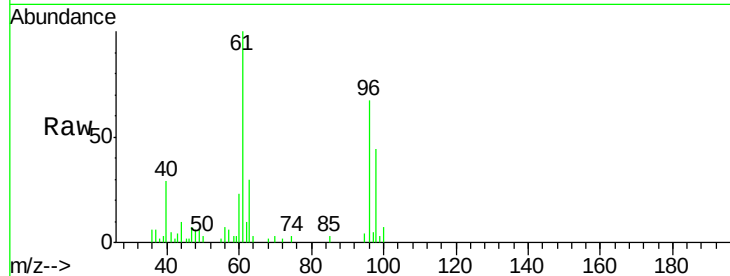
cis-1,2-Dichloroethene
Concen: 2.184 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampled :
S81-0104

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6005		
61	150.6		0.0	322.0
98	66.4		0.0	128.4

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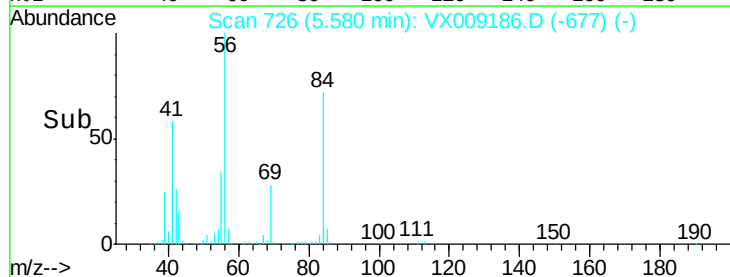
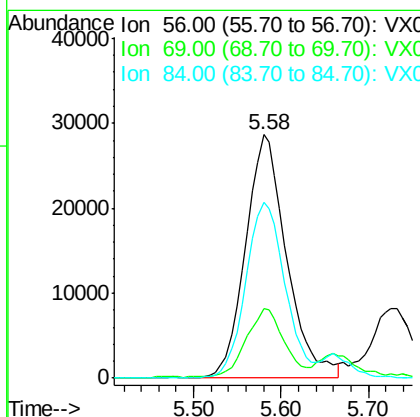
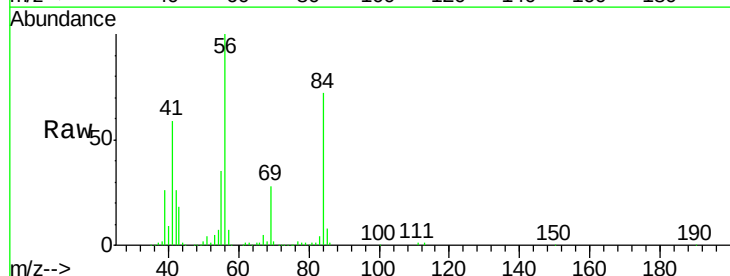
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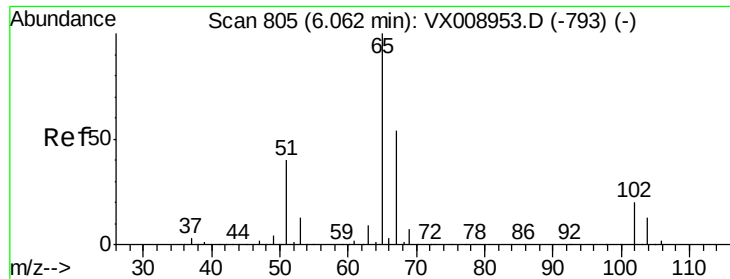


#31

Cyclohexane
Concen: 19.485 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	92586		
69	28.0		23.3	34.9
84	72.7		61.7	92.5





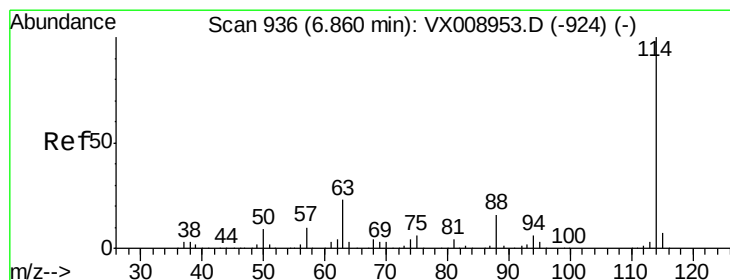
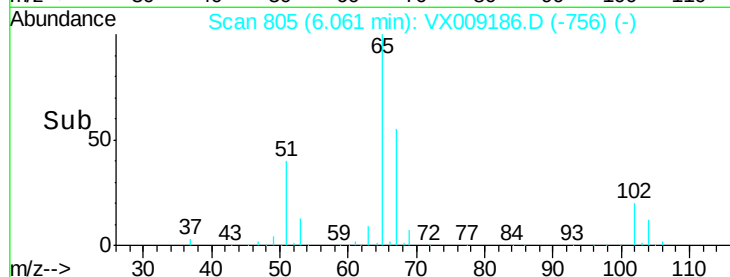
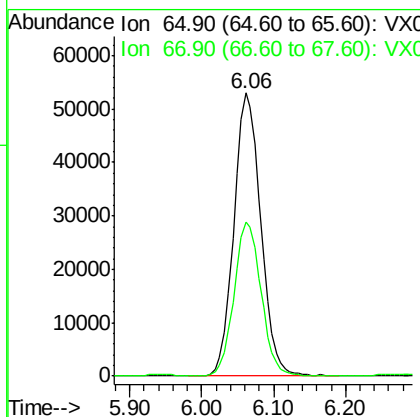
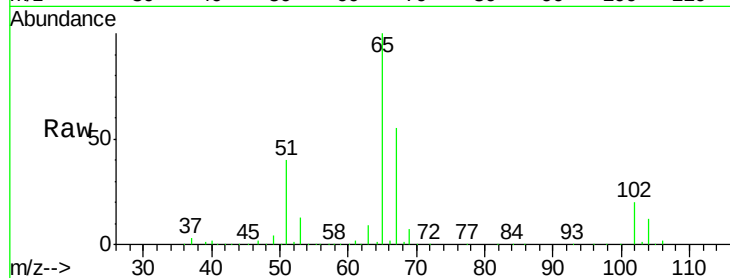
#33
 1,2-Dichloroethane-d4
 Concen: 46.198 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009186.D
 Acq: 26 Apr 2019 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0104

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	108.6

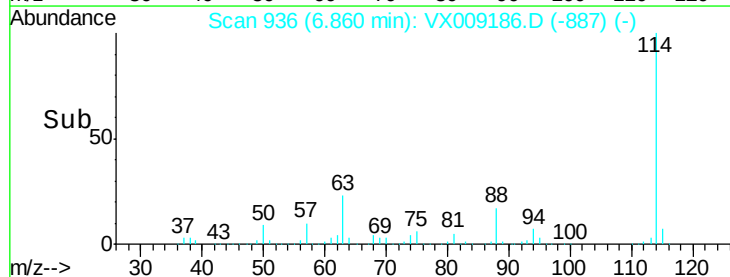
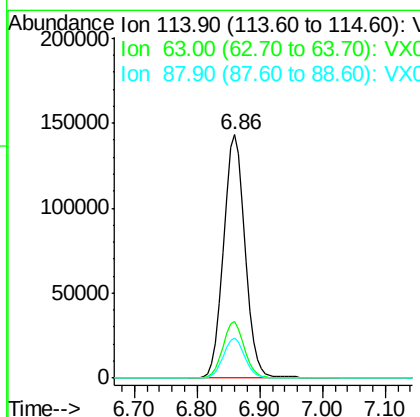
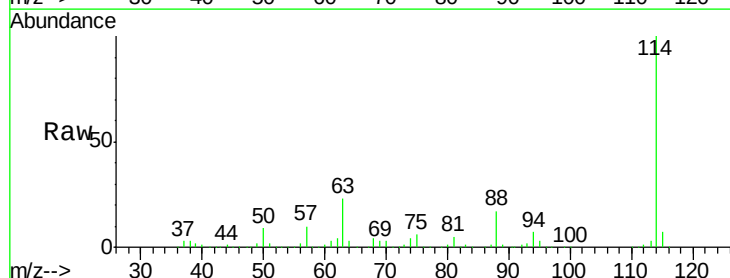
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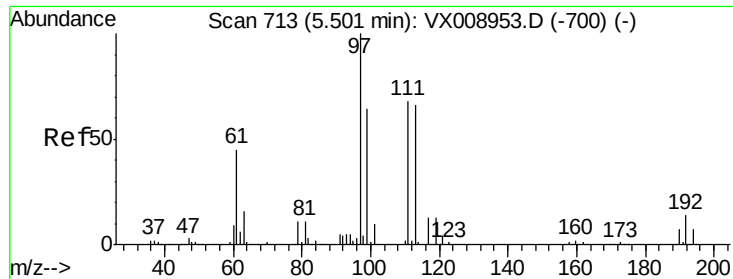
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009186.D
 Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.0
88	16.7	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.679 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Instrument :

MSVOA_X

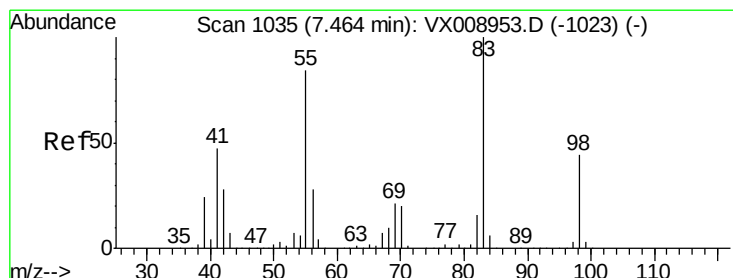
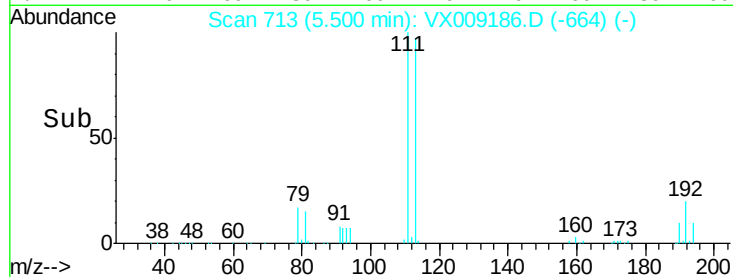
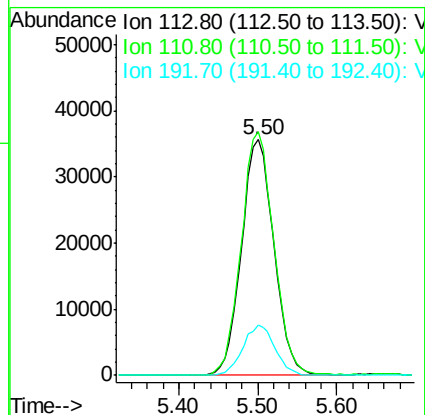
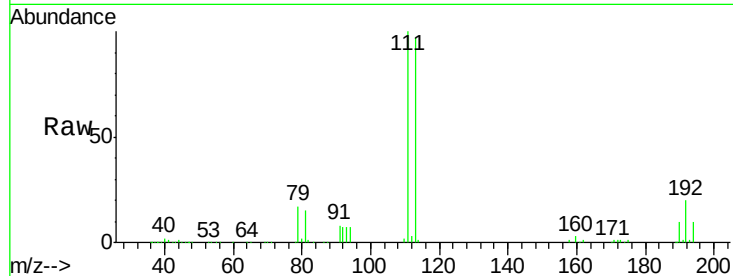
ClientSampleId :

S81-0104

Tot Ion:	113	Resp:	102028
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	21.2	17.4	26.0

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#39

Methylcyclohexane

Concen: 31.302 ug/l

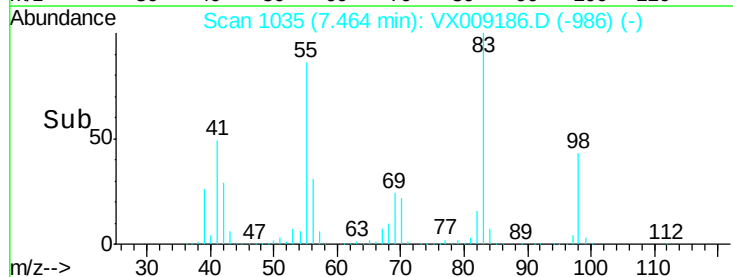
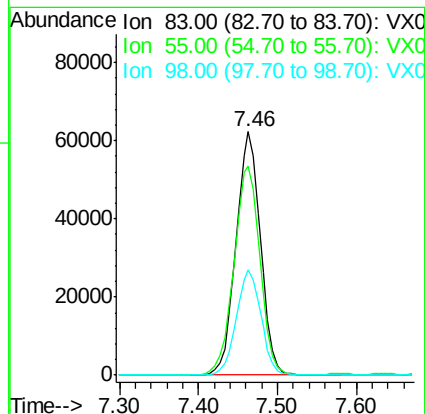
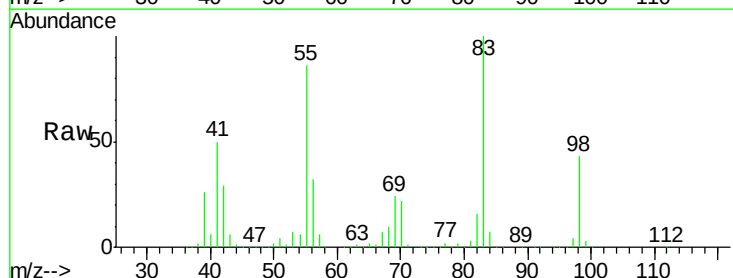
RT: 7.46 min Scan# 1035

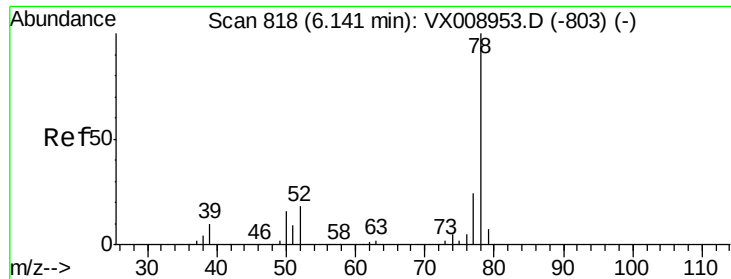
Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Tgt Ion:	83	Resp:	134240
Ion	Ratio	Lower	Upper
83	100		
55	85.8	67.1	100.7
98	43.4	35.1	52.7





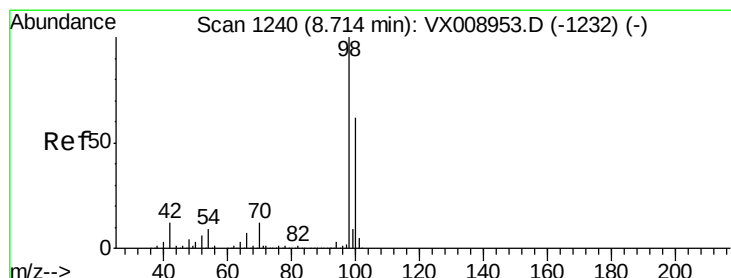
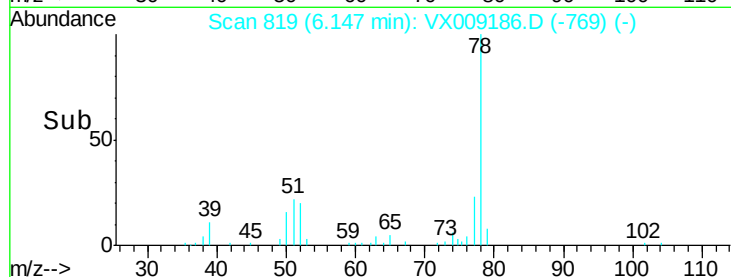
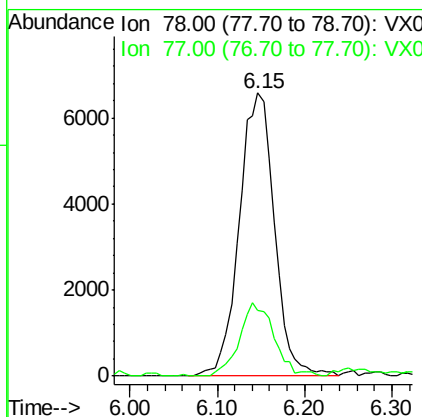
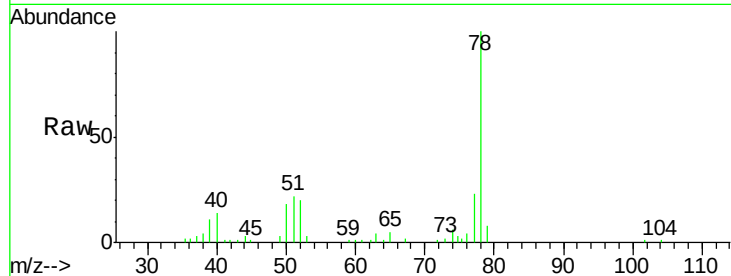
#40
Benzene
Concen: 1.770 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
S81-0104

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6

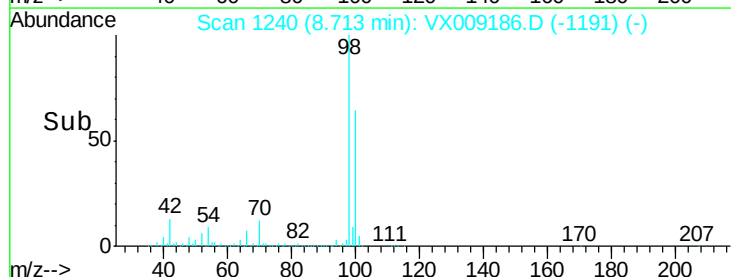
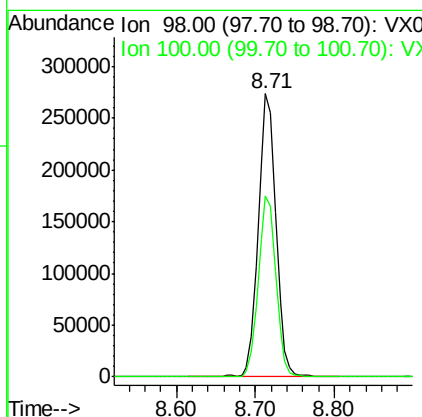
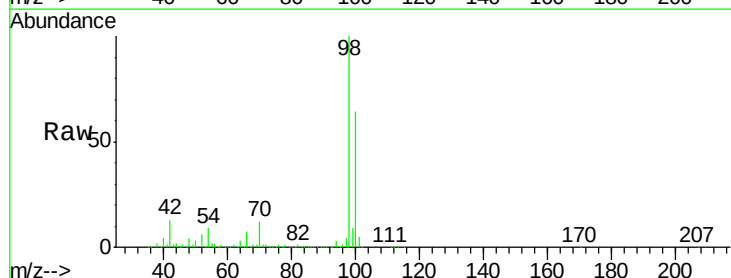
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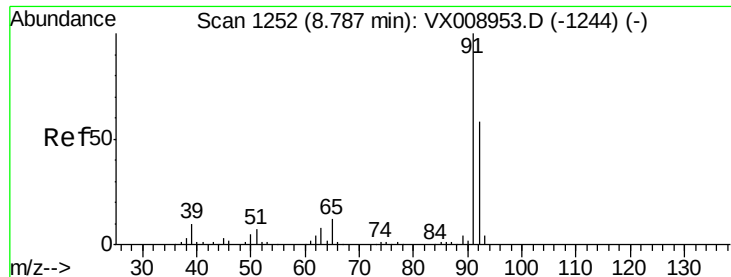
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#50
Toluene-d8
Concen: 49.294 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.2





#52

Toluene

Concen: 1.404 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Instrument :

MSVOA_X

ClientSampled :

S81-0104

Tot Ion: 92 Resp: 8745

Ion Ratio Lower Upper

92 100

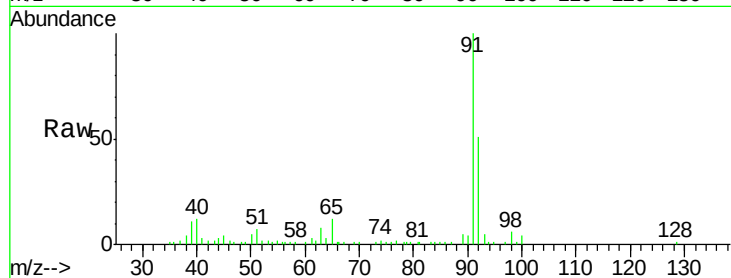
91 176.7 138.5 207.7

Manual Integrations

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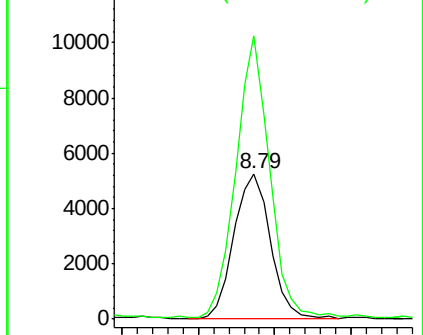
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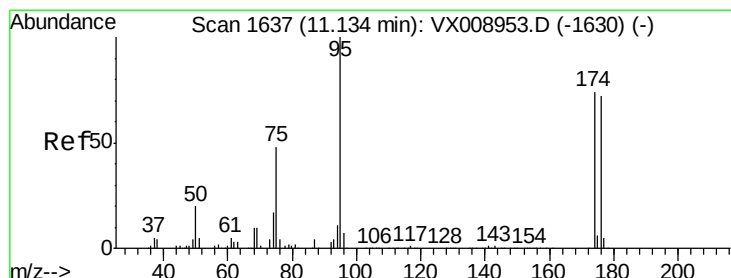
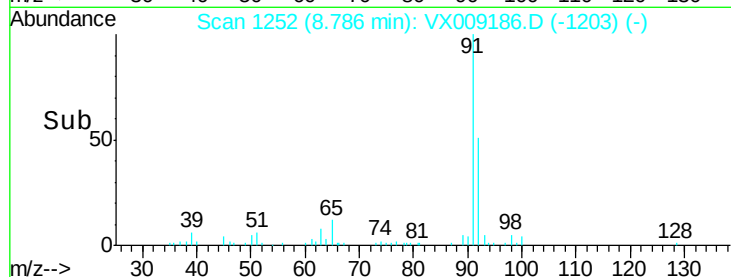


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.75 8.80 8.85



#62

4-Bromofluorobenzene

Concen: 45.865 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

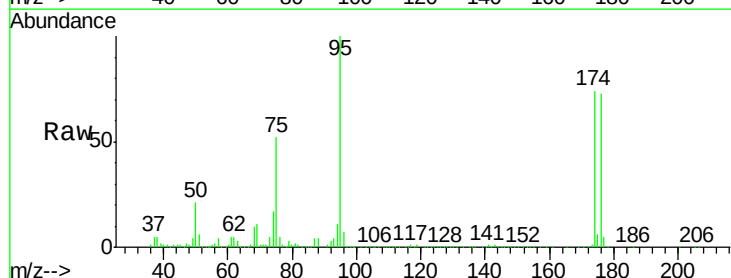
Tgt Ion: 95 Resp: 141129

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

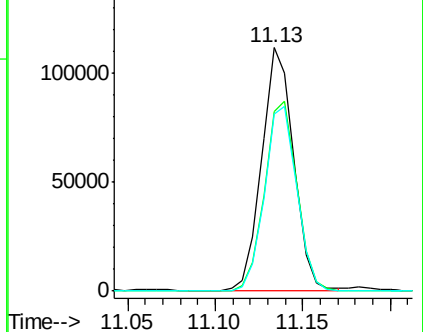
176 77.4 0.0 154.8



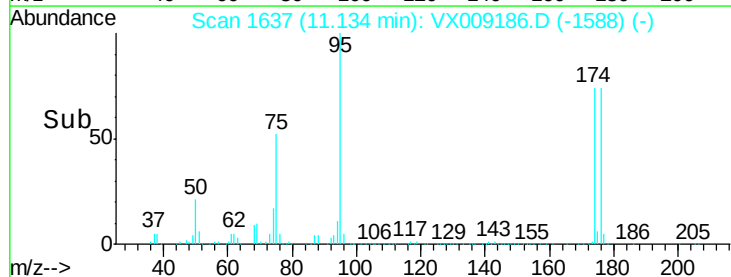
Abundance Ion 94.90 (94.60 to 95.60): VX0

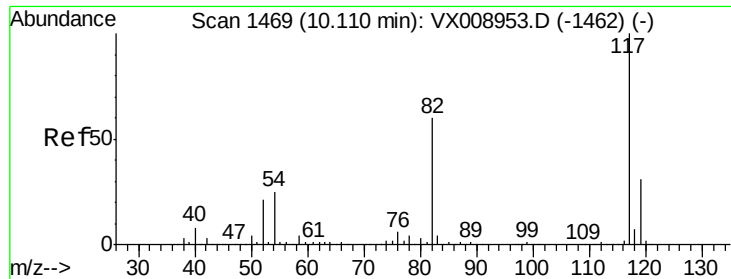
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.05 11.10 11.15





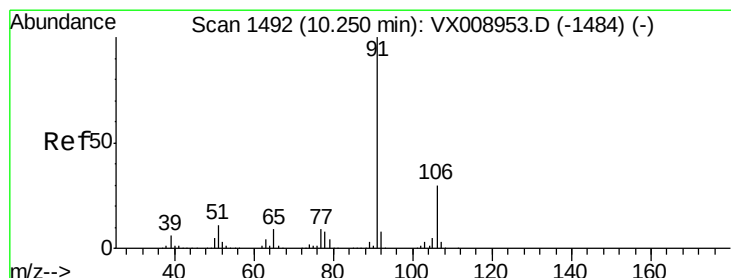
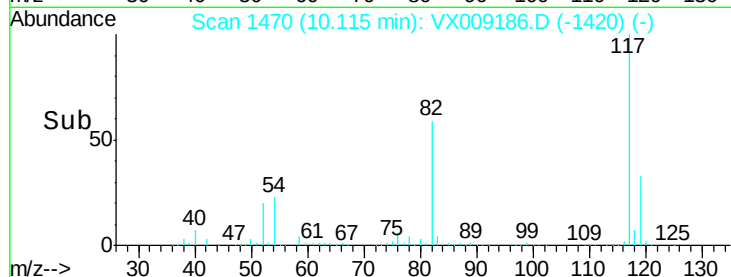
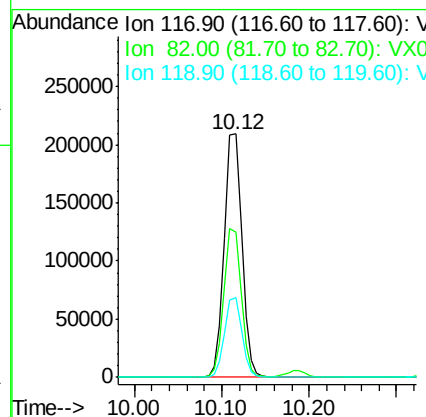
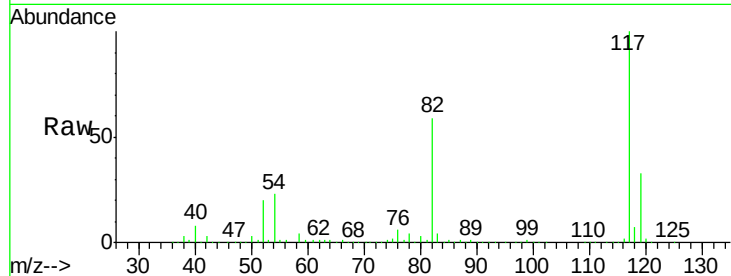
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampled :
S81-0104

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293116		
82	59.3	48.2	72.4	
119	32.5	25.0	37.6	

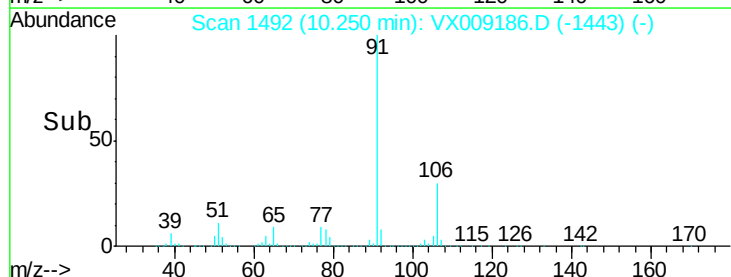
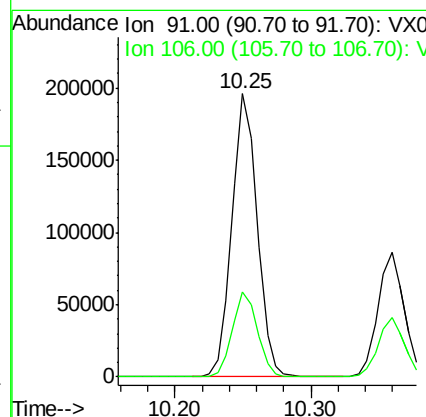
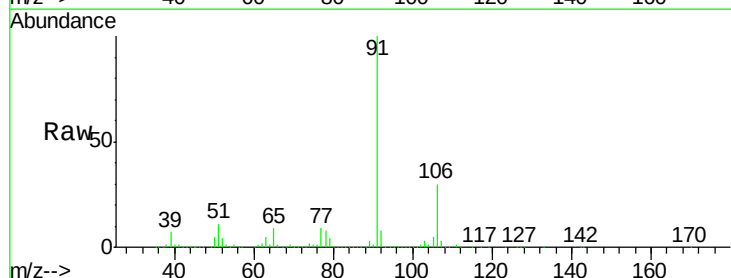
Manual Integrations
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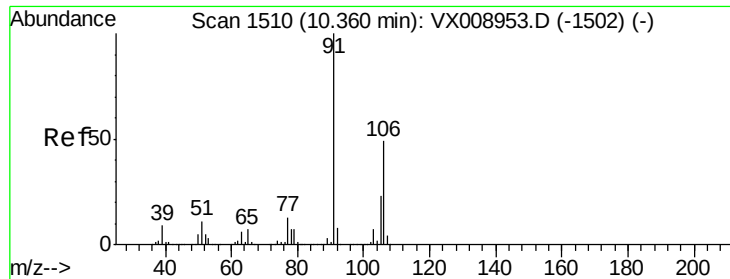
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#67
Ethyl Benzene
Concen: 22.372 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	253022		
106	29.9	24.3	36.5	





#68

m/p-Xylenes

Concen: 13.434 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Instrument :

MSVOA_X

ClientSampled :

S81-0104

Tot Ion:106 Resp: 55218

Ion Ratio Lower Upper

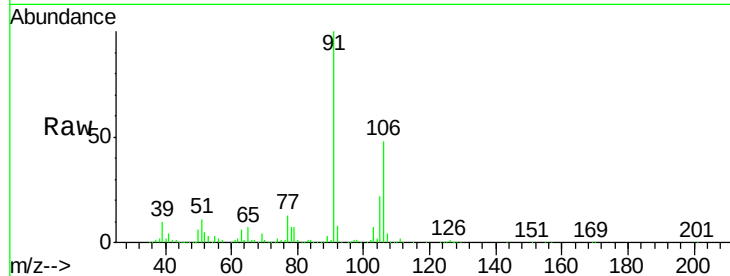
106 100

91 209.3 165.4 248.2

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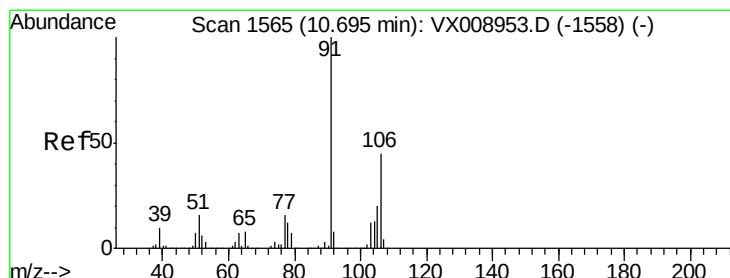
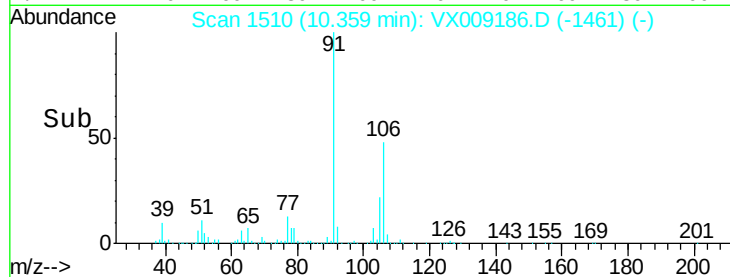
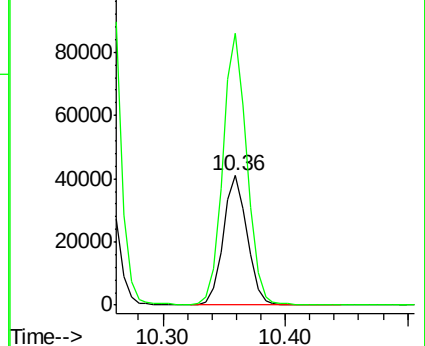
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 62.076 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX009186.D

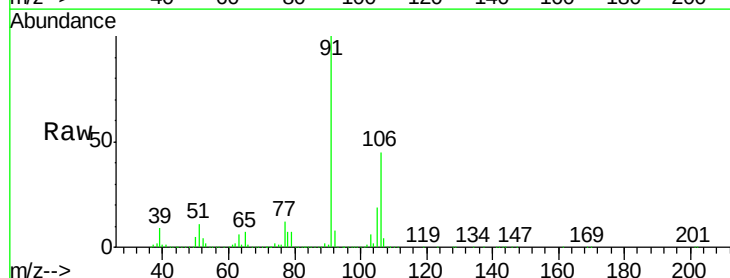
Acq: 26 Apr 2019 13:49

Tgt Ion:106 Resp: 248265

Ion Ratio Lower Upper

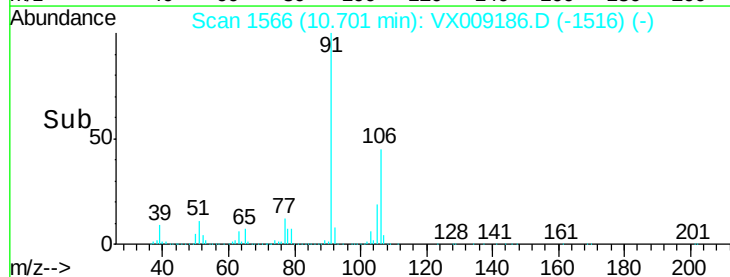
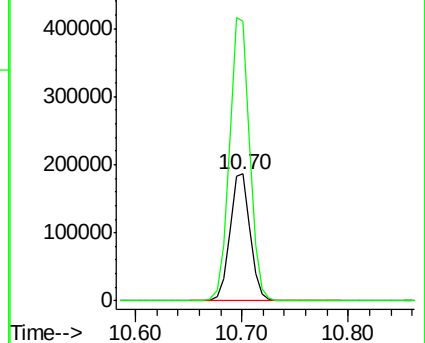
106 100

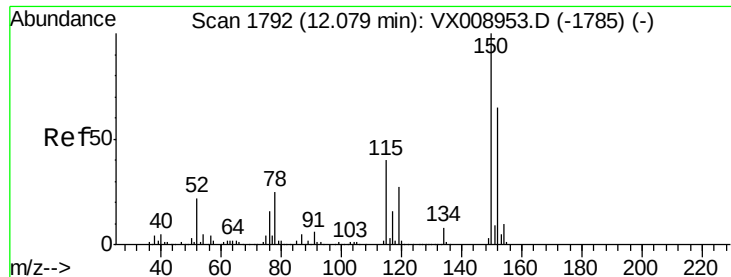
91 222.1 108.9 326.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

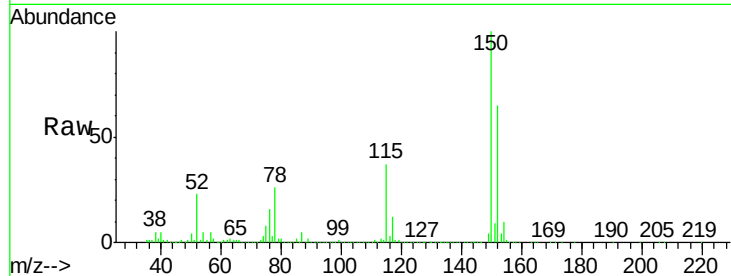
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
S81-0104

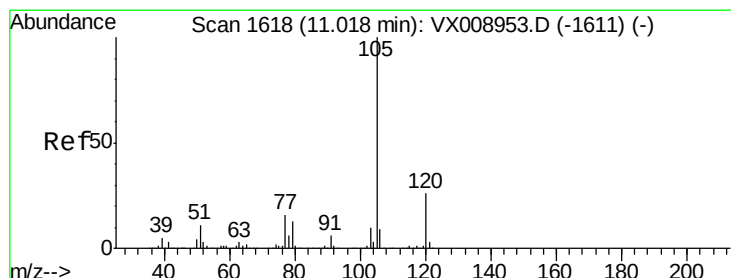
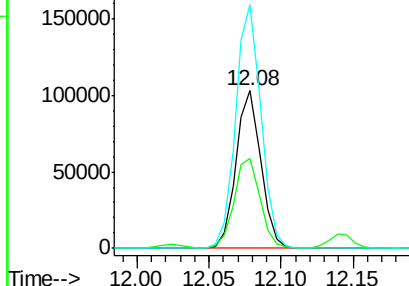
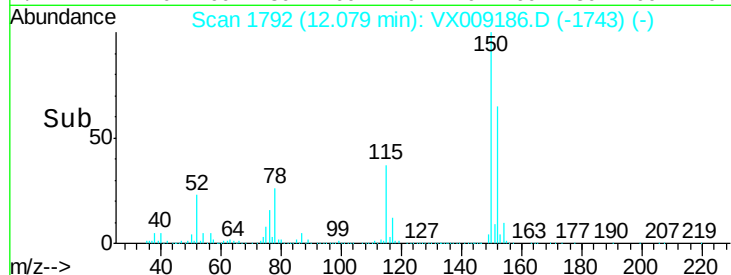
Tot Ion	Ratio	Resp	Lower	Upper
152	100	124268		
115	59.5	41.4	124.2	
150	157.6	0.0	349.8	

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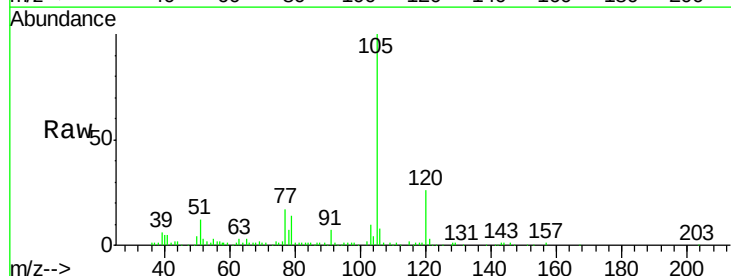
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



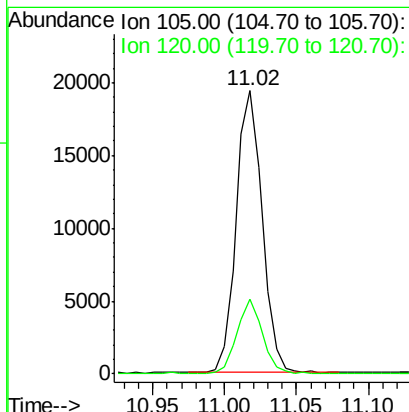
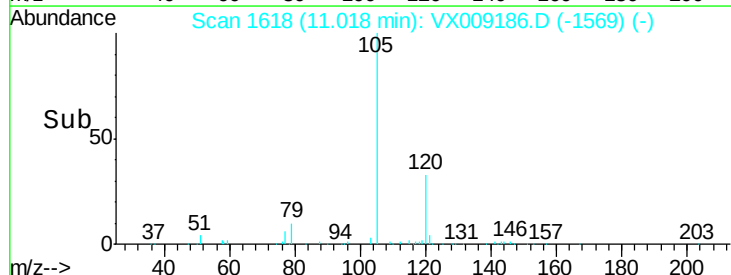
#73

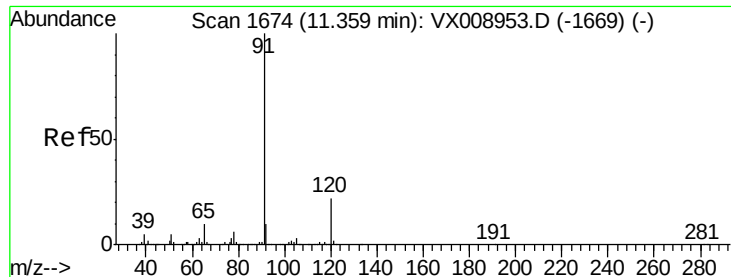
Isopropylbenzene
Concen: 2.579 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	24291		
120	26.1	12.9	38.7	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.925 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009186.D

Acq: 26 Apr 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

S81-0104

Tot Ion: 91 Resp: 31626

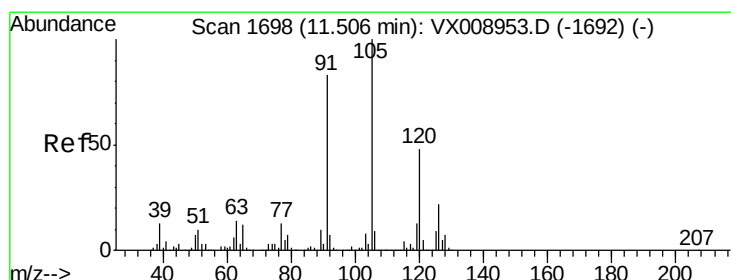
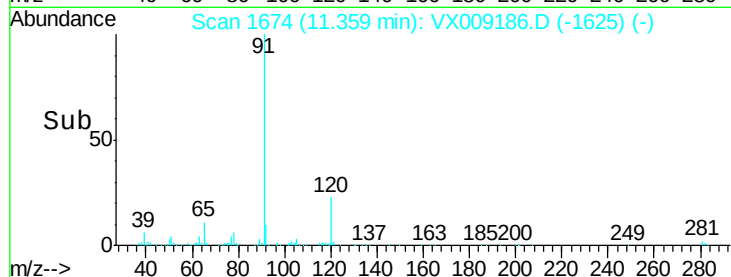
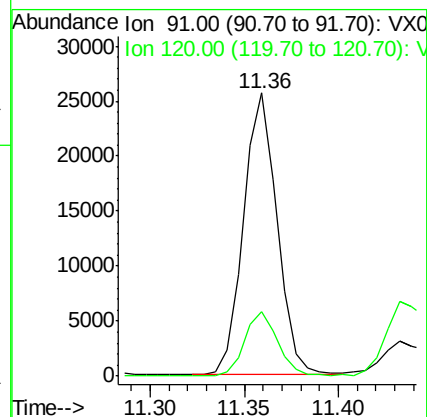
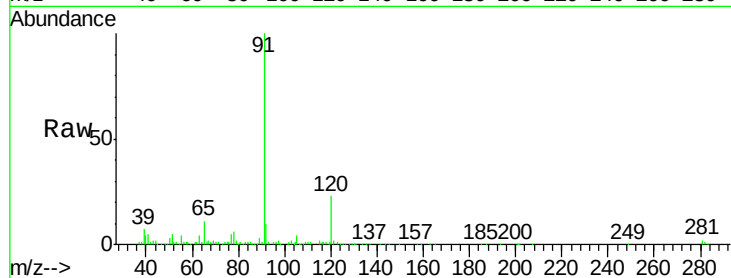
Ion Ratio Lower Upper

91 100

120 22.7 10.9 32.9

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#80

1,3,5-Trimethylbenzene

Concen: 1.511 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009186.D

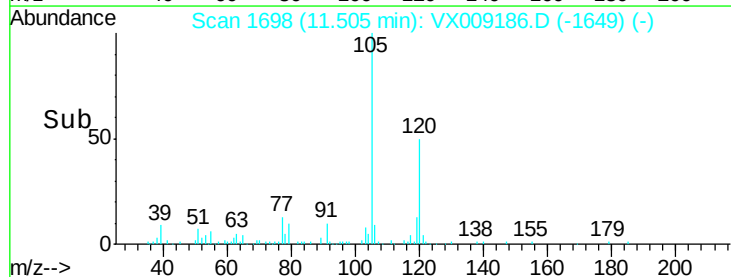
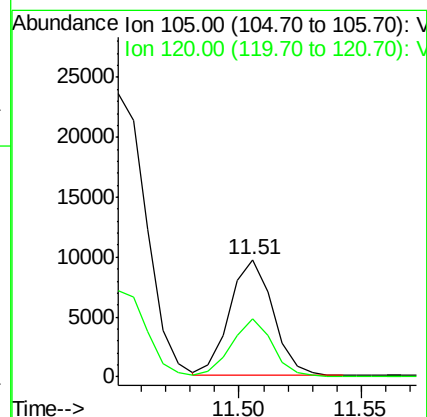
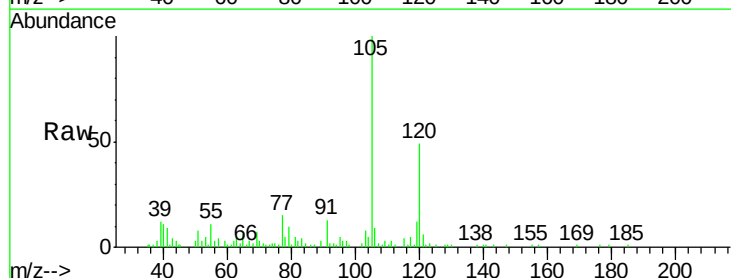
Acq: 26 Apr 2019 13:49

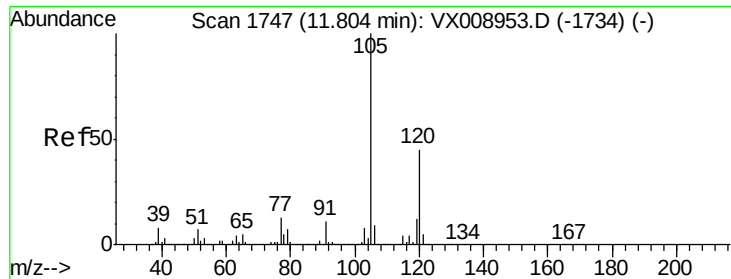
Tgt Ion: 105 Resp: 11944

Ion Ratio Lower Upper

105 100

120 46.6 24.1 72.3





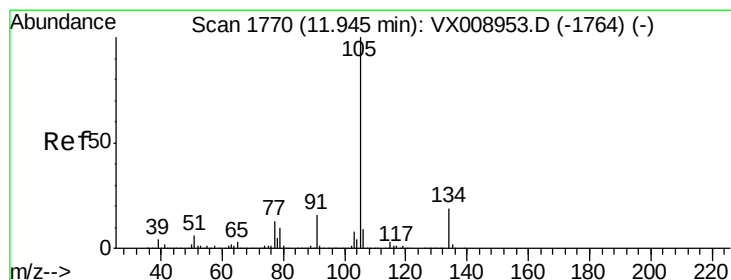
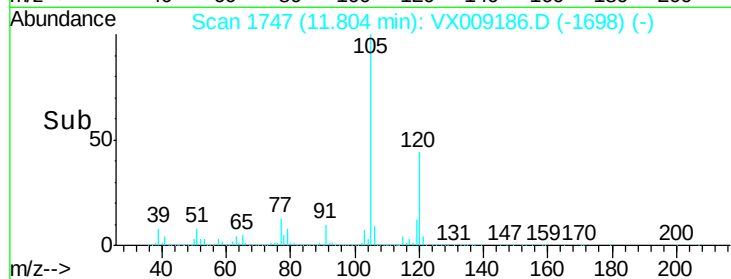
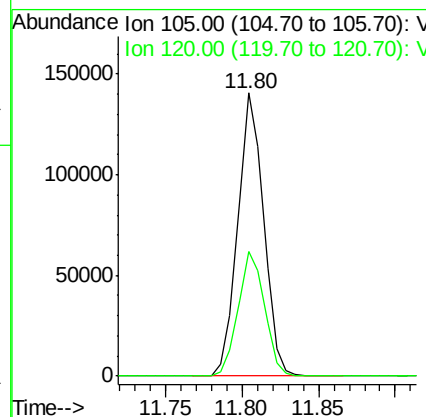
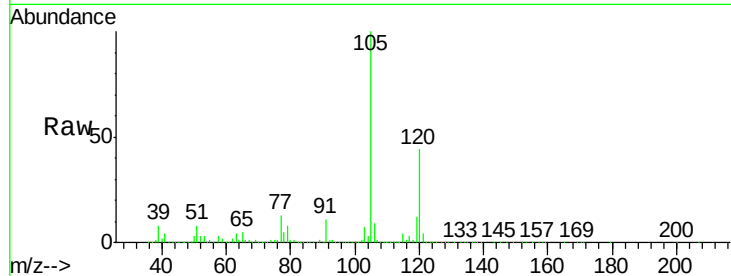
#84
1,2,4-Trimethylbenzene
Concen: 20.386 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
S81-0104

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	21.9	65.8

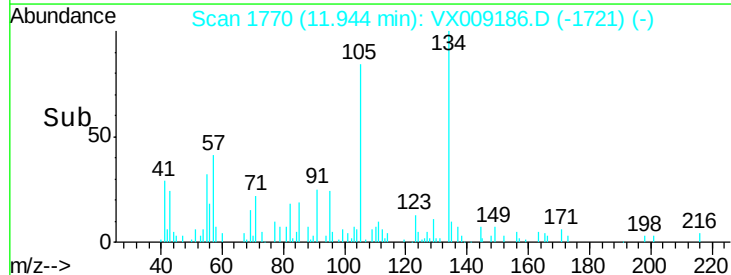
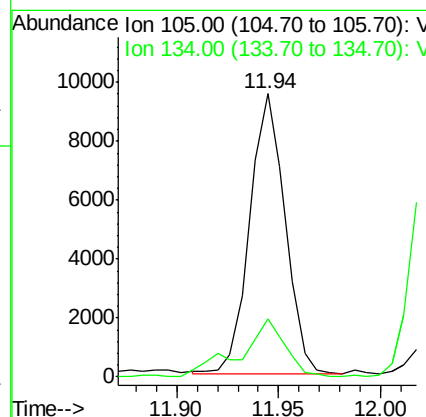
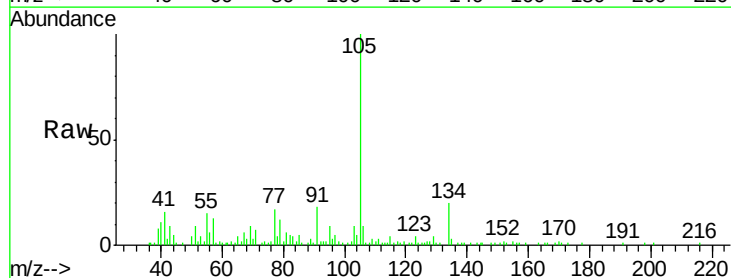
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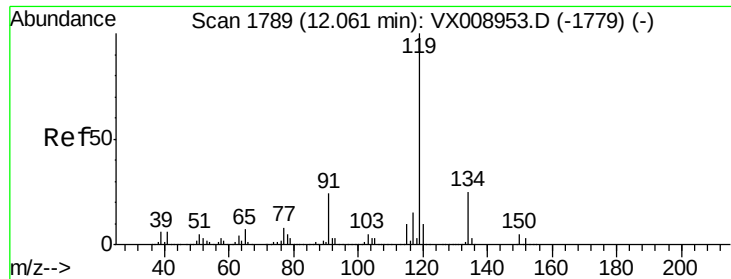
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#85
sec-Butylbenzene
Concen: 1.269 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	26.3	9.6	28.6





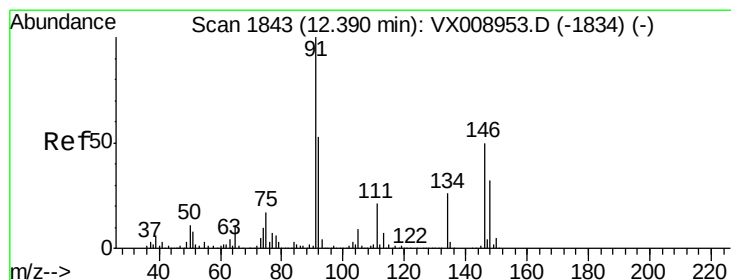
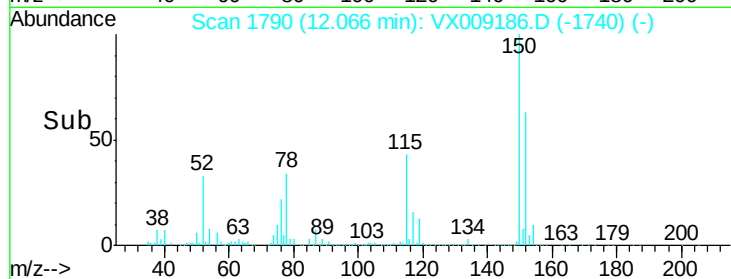
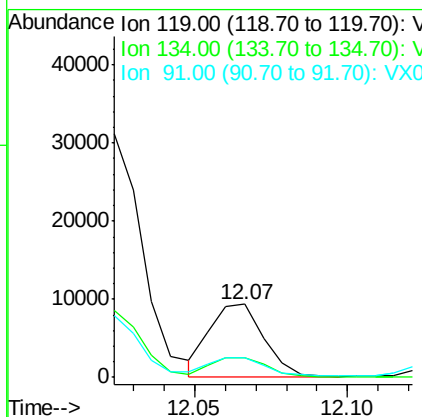
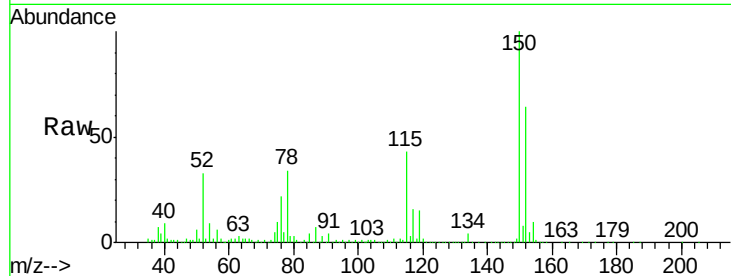
#86
p-Isopropyltoluene
Concen: 1.356 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampled :
S81-0104

Tot Ion	Ratio	Resp	Lower	Upper
119	100	11283		
134	29.8	12.9	38.6	
91	28.0	11.9	35.5	

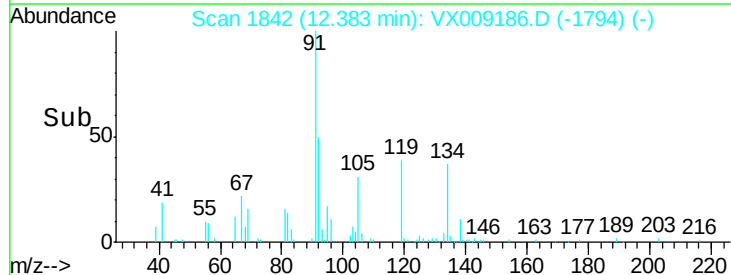
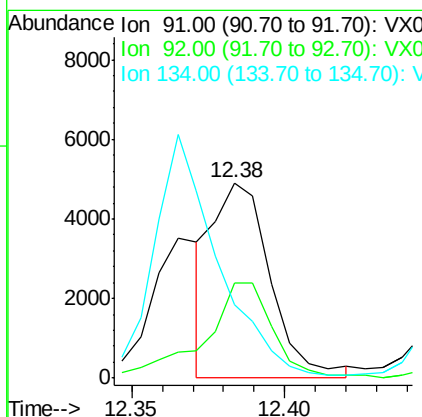
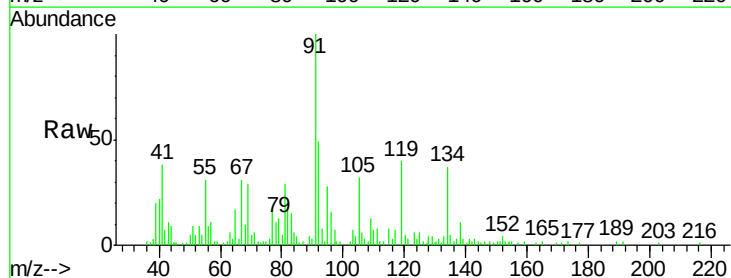
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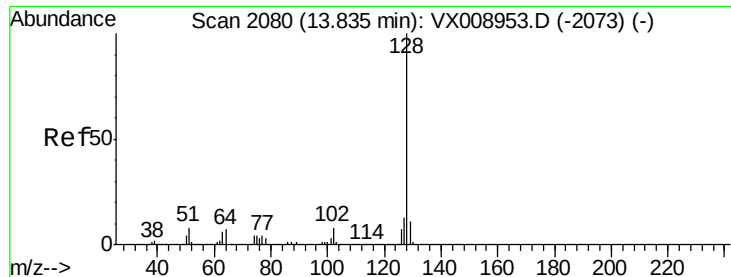
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#89
n-Butylbenzene
Concen: 0.830 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	6432		
92	57.8	26.6	79.8	
134	132.0	12.4	37.2#	





#95
Naphthalene
Concen: 4.541 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009186.D
Acq: 26 Apr 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :
S81-0104

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	16.0
129	15.3	8.6	13.0

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