

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009187.D
 Acq On : 26 Apr 2019 14:13
 Operator : JC/SP
 Sample : K2565-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0105

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 11:25:24 AM

Quant Time: Apr 27 05:14:49 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	5.66	168	209877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	139191	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.50	113	103064	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	8.71	98	423354	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	144128	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	7407	4.829	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	6260	2.297	ug/l	91
31) Cyclohexane	5.59	56	93916	19.936	ug/l	95
39) Methylcyclohexane	7.46	83	136058	32.194	ug/l	97
40) Benzene	6.14	78	18680	1.824	ug/l	97
52) Toluene	8.79	92	9226	1.503	ug/l	99
67) Ethyl Benzene	10.25	91	259370	22.886	ug/l	100
68) m/p-Xylenes	10.36	106	61050	14.822	ug/l	99
69) o-Xylene	10.69	106	251202	62.681	ug/l	98
73) Isopropylbenzene	11.02	105	25146	2.526	ug/l	100
78) n-propylbenzene	11.36	91	32357	2.832	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	14105	1.688	ug/l	97
83) tert-Butylbenzene	11.77	119	2210	0.276	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	169545	19.939	ug/l	99
85) sec-Butylbenzene	11.94	105	11580	1.211	ug/l	83
86) p-Isopropyltoluene	12.06	119	12267	1.395	ug/l	96
89) n-Butylbenzene	12.38	91	5905m	0.721	ug/l	
95) Naphthalene	13.83	128	44876	4.470	ug/l #	93

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

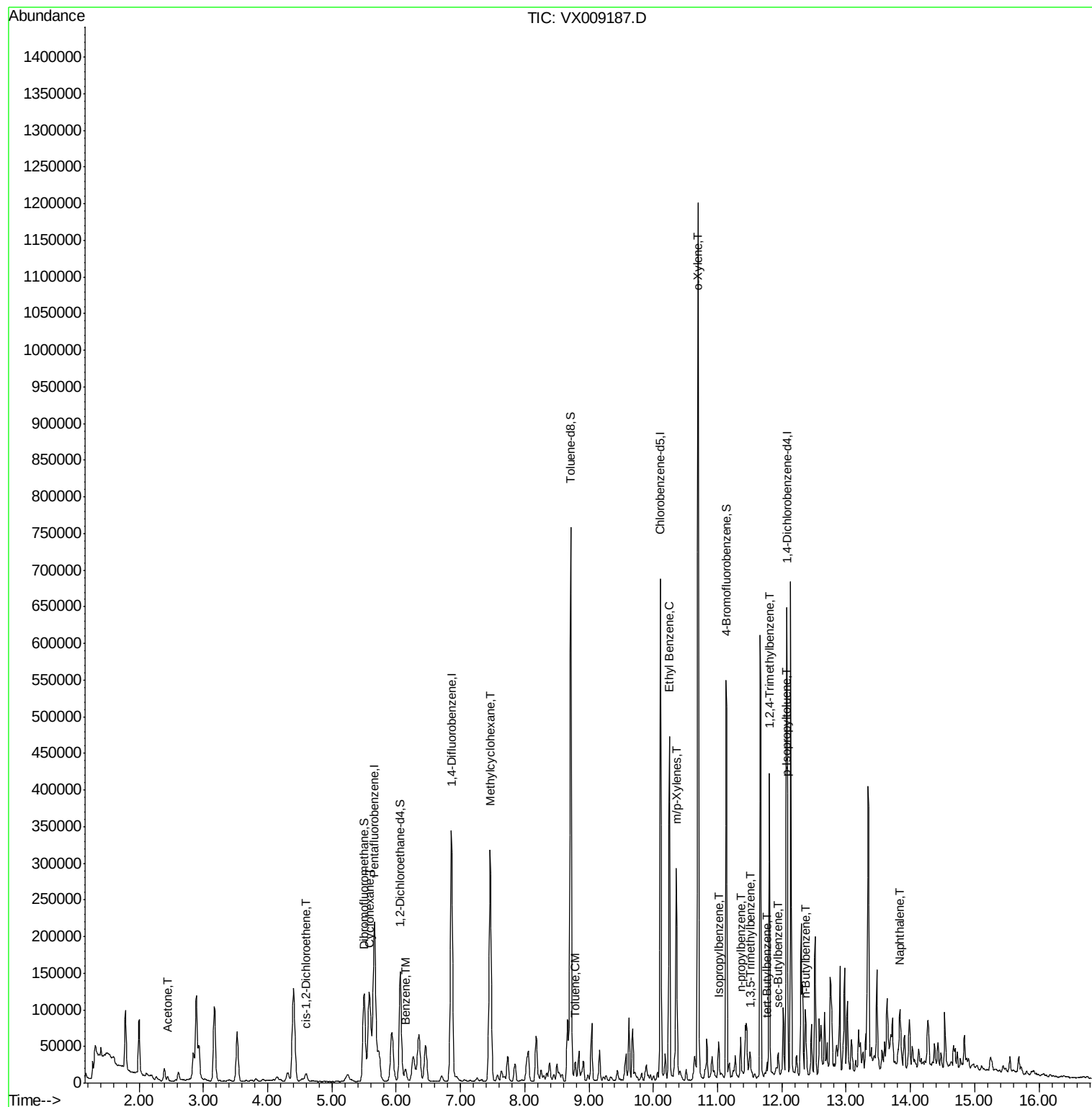
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042619\
Data File : VX009187.D
Acq On : 26 Apr 2019 14:13
Operator : JC/SP
Sample : K2565-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

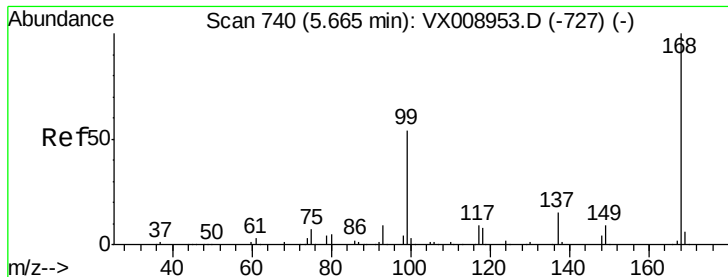
Instrument :
MSVOA_X
ClientSampleId :
S81-0105

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4/29/2019 11:25:24 AM

Quant Time: Apr 27 05:14:49 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

Tot Ion:168 Resp: 209877

Ion Ratio Lower Upper

168 100

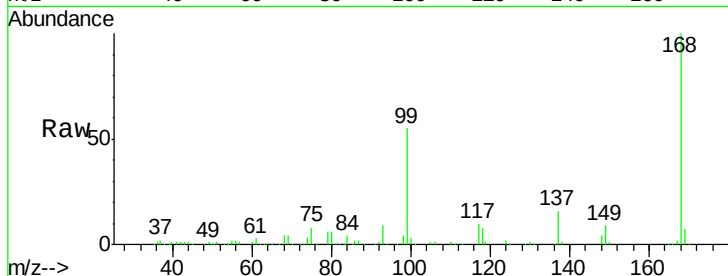
99 54.6 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

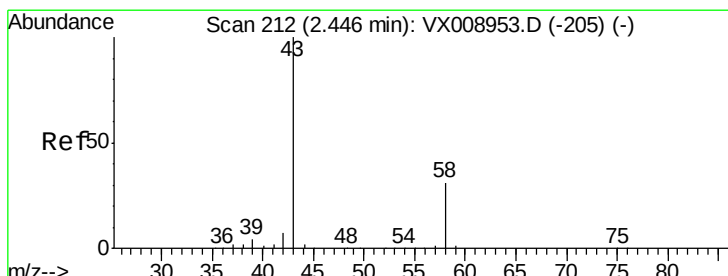
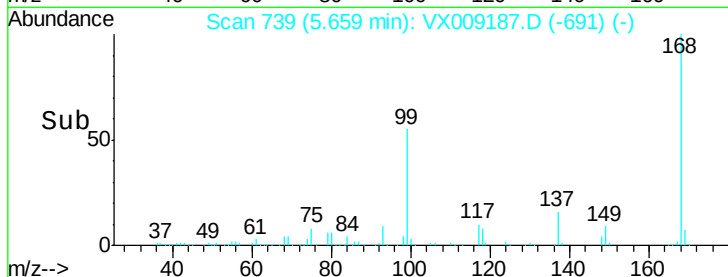
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.829 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009187.D

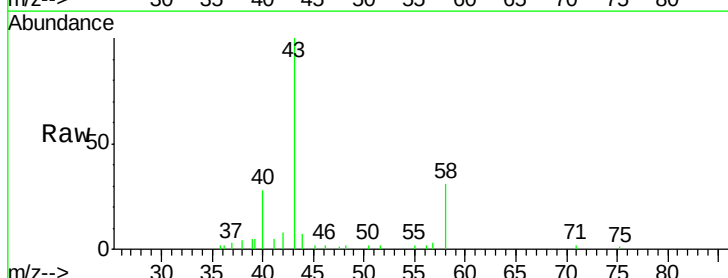
Acq: 26 Apr 2019 14:13

Tgt Ion: 43 Resp: 7407

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

4000

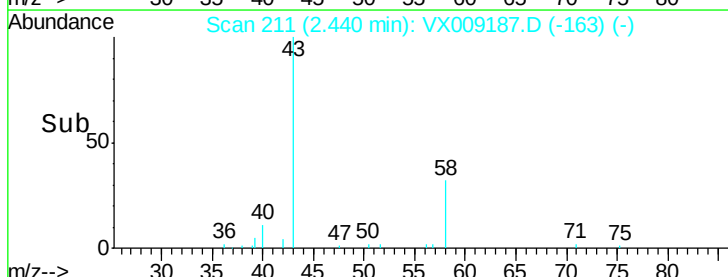
3000

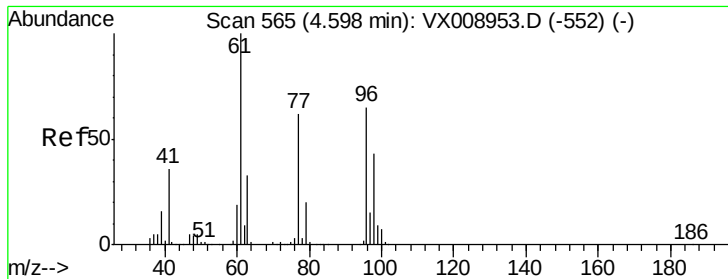
2000

1000

0

Time--> 2.40 2.45 2.50 2.55





#27

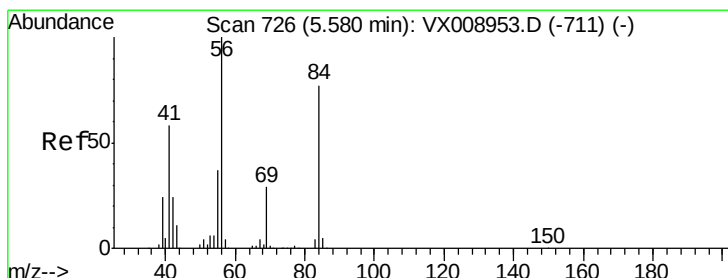
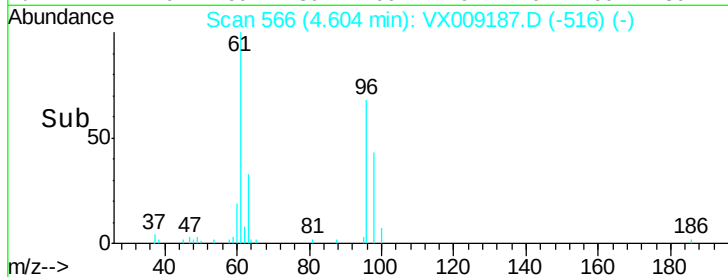
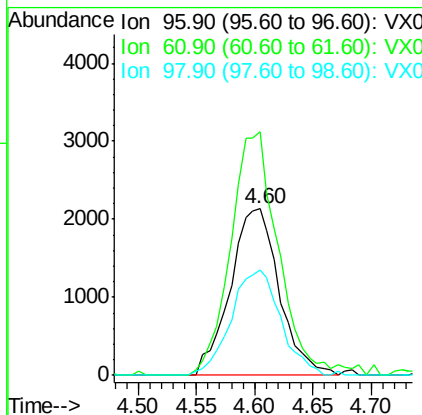
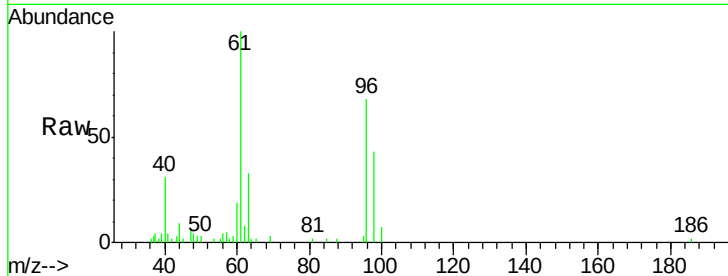
cis-1,2-Dichloroethene
Concen: 2.297 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Instrument :
MSVOA_X
ClientSampleId :
S81-0105

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6260		
61	144.6	0.0	322.0	
98	63.8	0.0	128.4	

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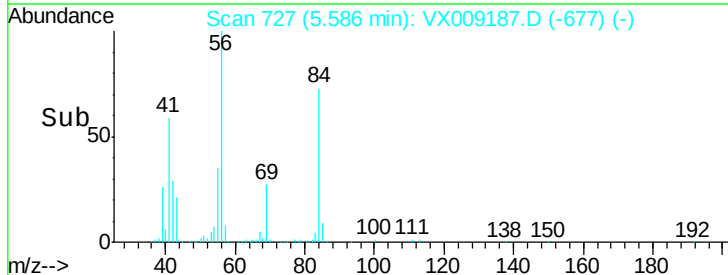
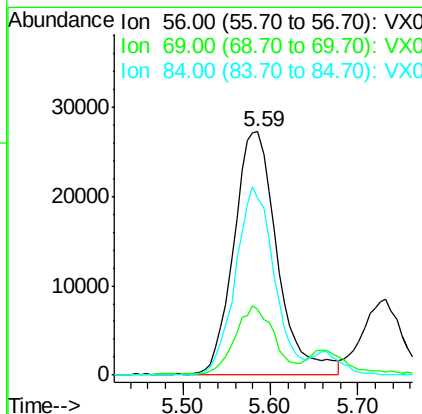
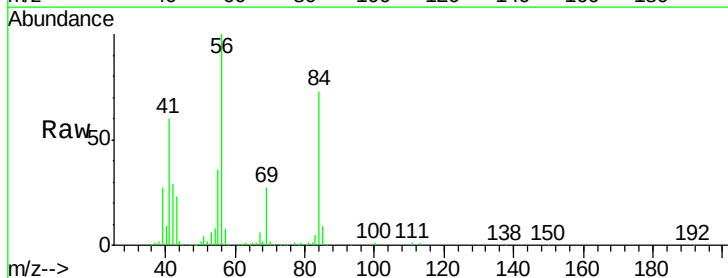
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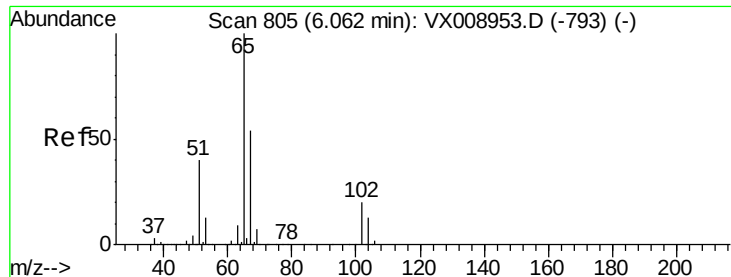


#31

Cyclohexane
Concen: 19.936 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	93916		
69	26.3	23.3	34.9	
84	72.9	61.7	92.5	





#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

Tot Ion: 65 Resp: 139191

Ion Ratio Lower Upper

65 100

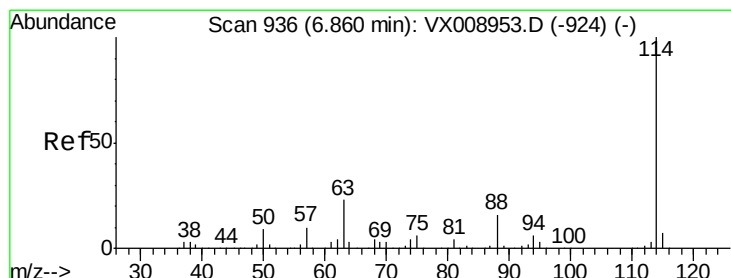
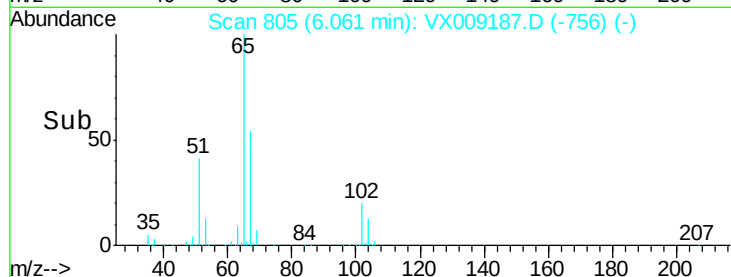
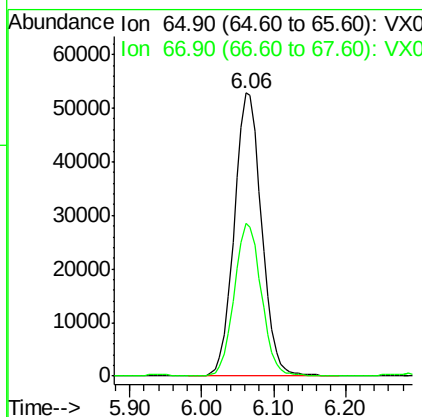
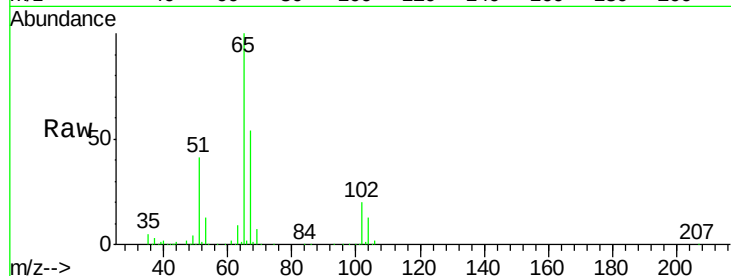
67 53.6 0.0 108.6

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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: VX009187.D

Acq: 26 Apr 2019 14:13

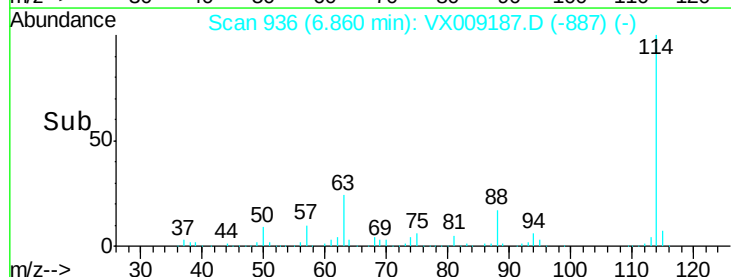
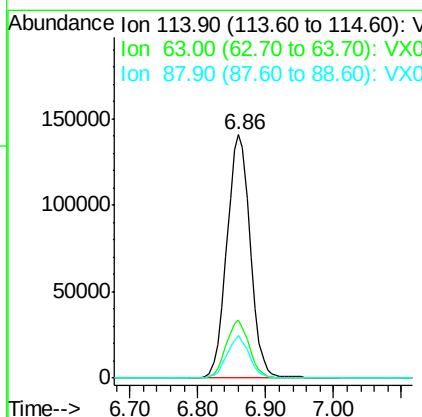
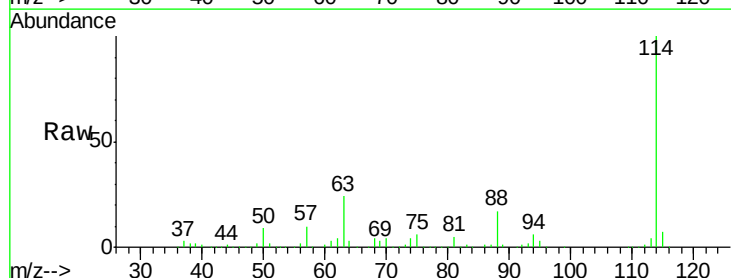
Tgt Ion: 114 Resp: 335623

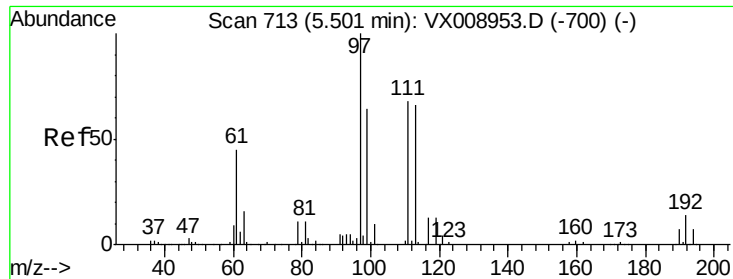
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.0

88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.849 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

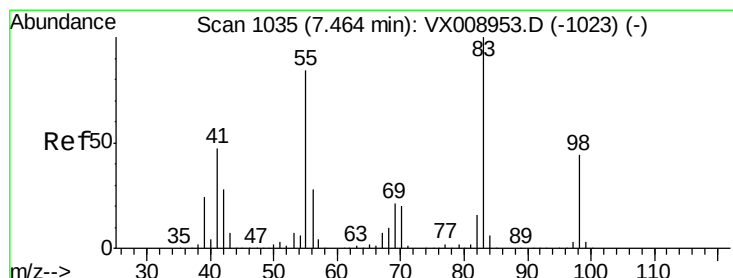
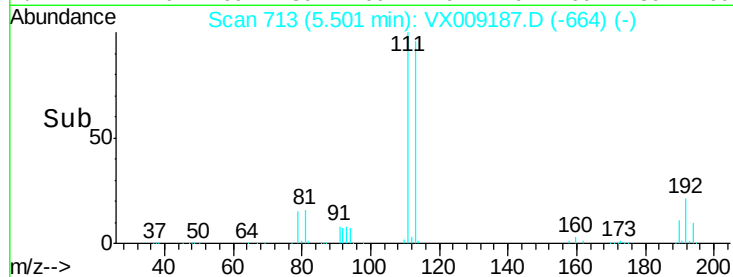
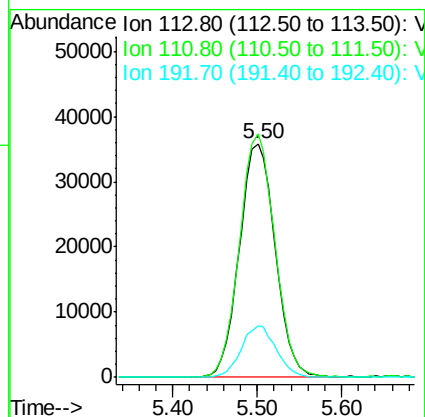
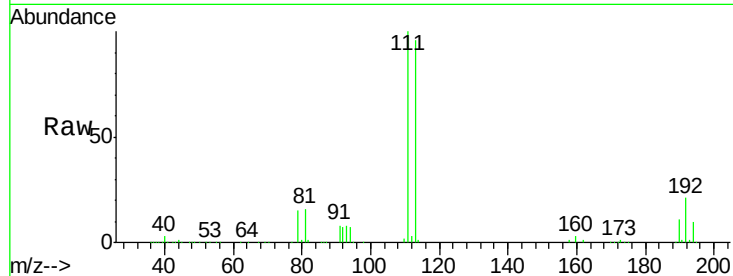
ClientSampleId :

S81-0105

Tot Ion:	113	Resp:	103064
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.9	124.3
192	21.4	17.4	26.0

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#39

Methylcyclohexane

Concen: 32.194 ug/l

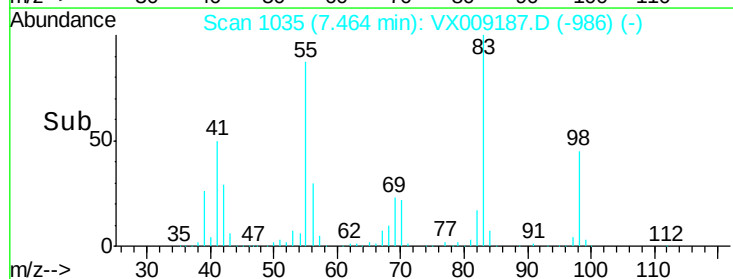
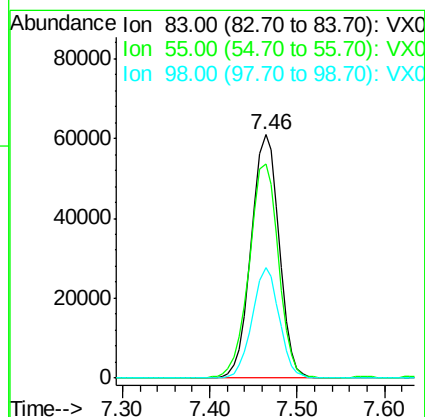
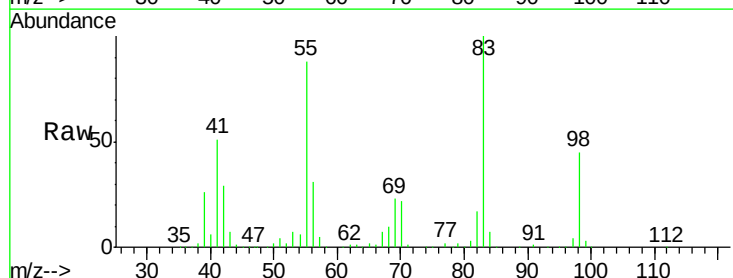
RT: 7.46 min Scan# 1035

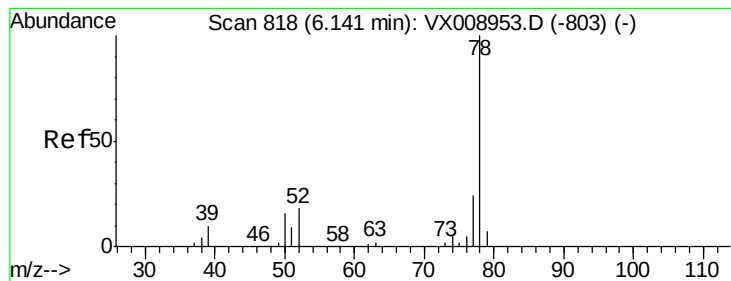
Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion:	83	Resp:	136058
Ion Ratio	Lower	Upper	
83	100		
55	87.6	67.1	100.7
98	45.4	35.1	52.7





#40

Benzene

Concen: 1.824 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

Tot Ion: 78 Resp: 18680

Ion Ratio Lower Upper

78 100

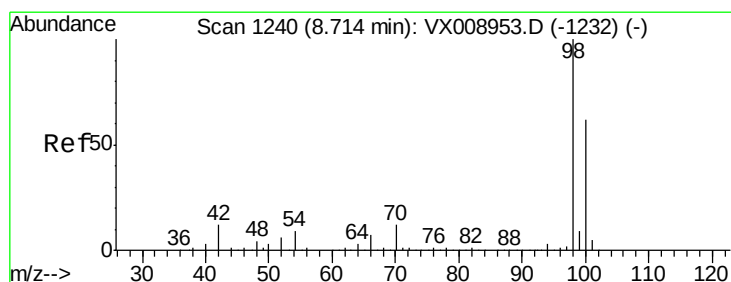
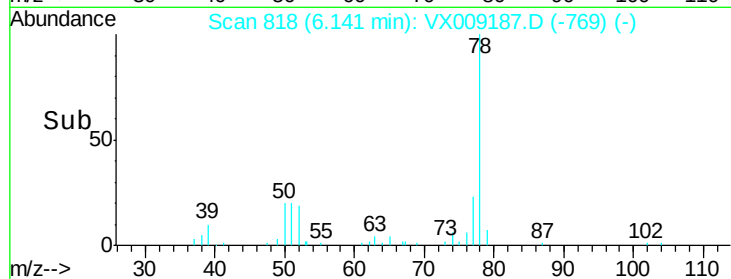
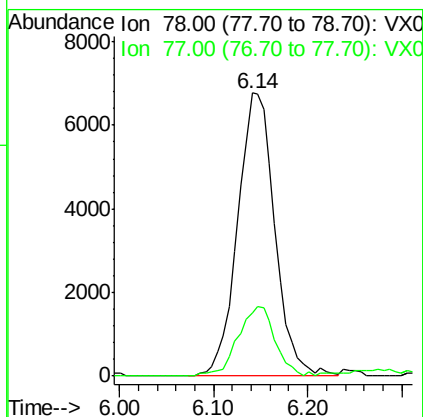
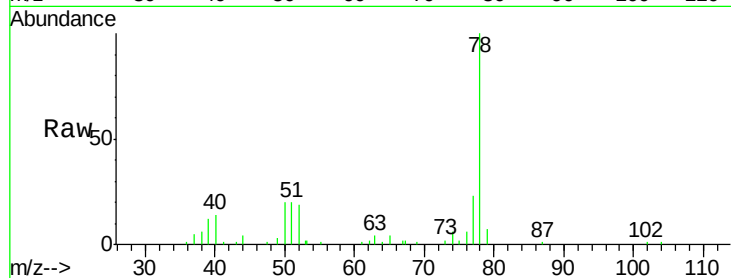
77 22.5 19.0 28.6

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#50

Toluene-d8

Concen: 49.284 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009187.D

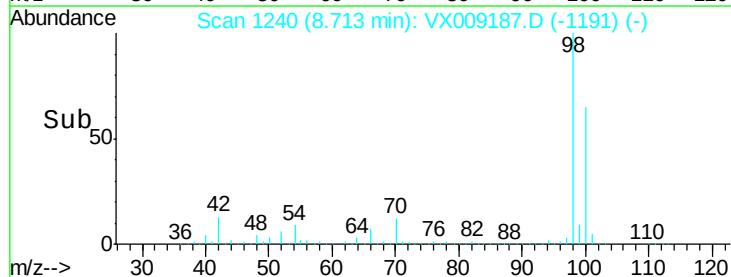
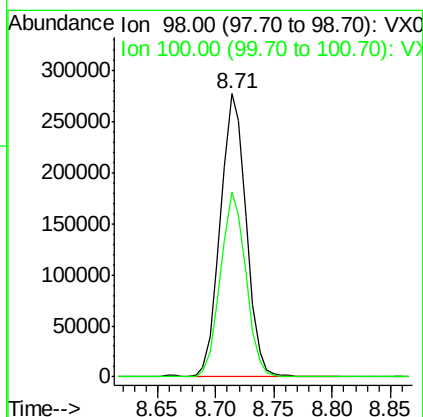
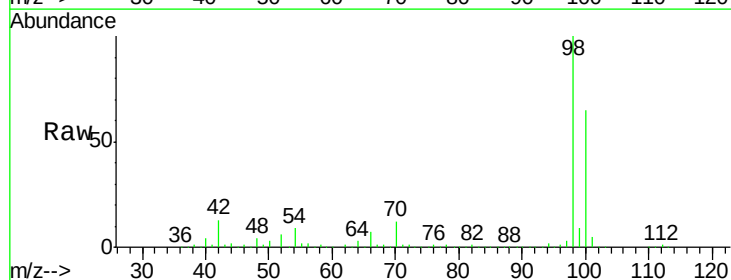
Acq: 26 Apr 2019 14:13

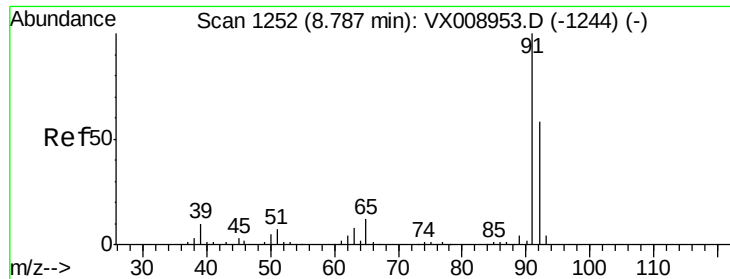
Tgt Ion: 98 Resp: 423354

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2





#52

Toluene

Concen: 1.503 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

ClientSampleId :

S81-0105

Tot Ion: 92 Resp: 9226

Ion Ratio Lower Upper

92 100

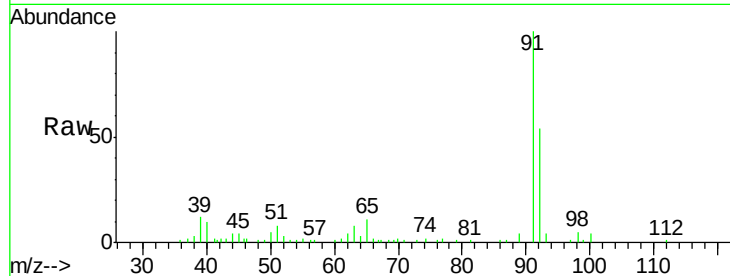
91 171.4 138.5 207.7

Manual Integrations

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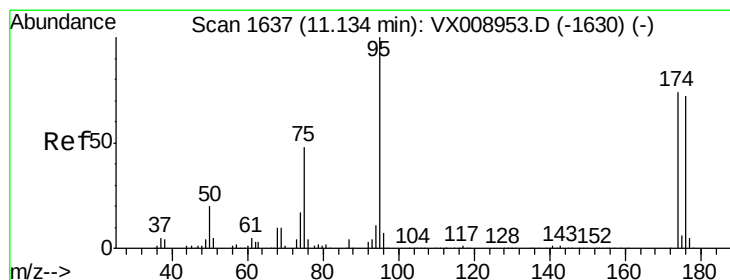
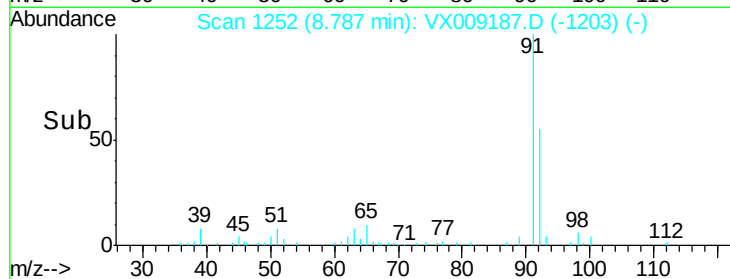
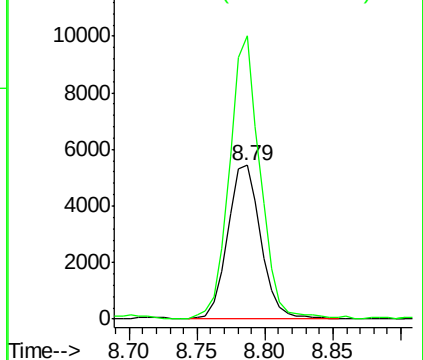
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.531 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

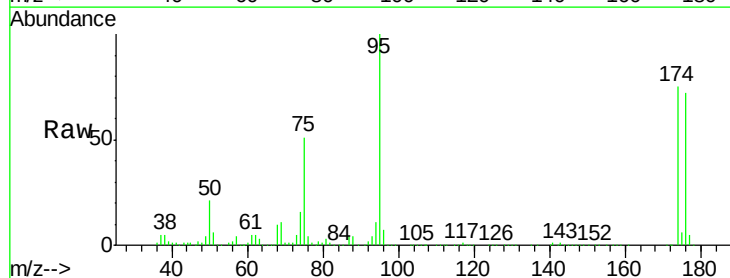
Tgt Ion: 95 Resp: 144128

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

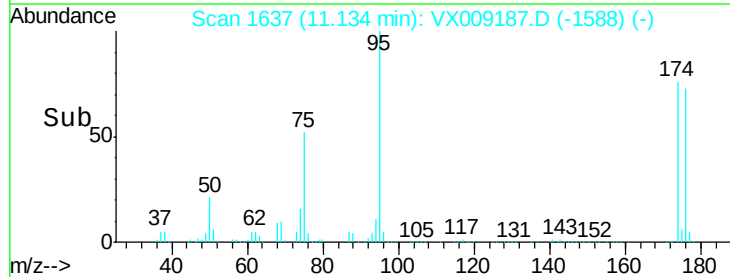
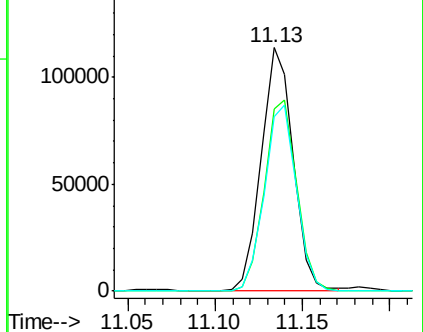
176 77.3 0.0 154.8

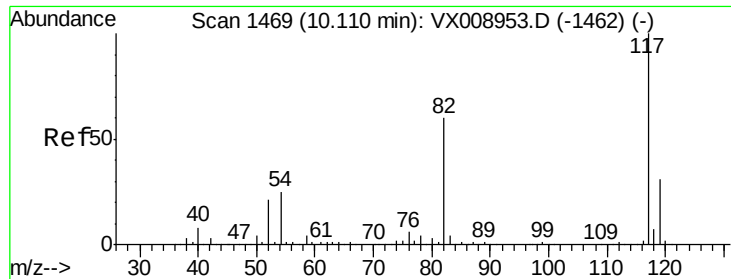


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





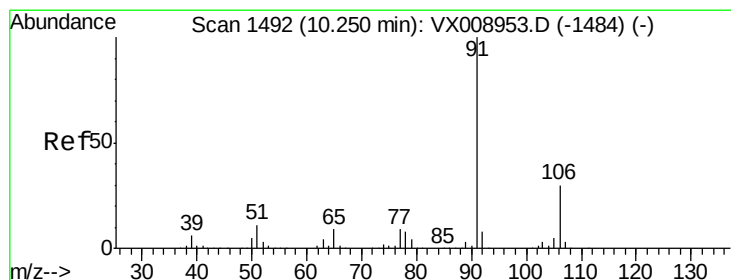
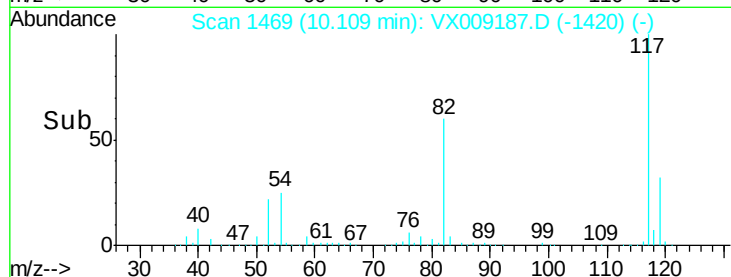
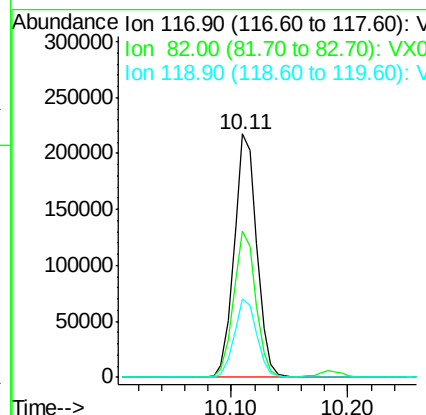
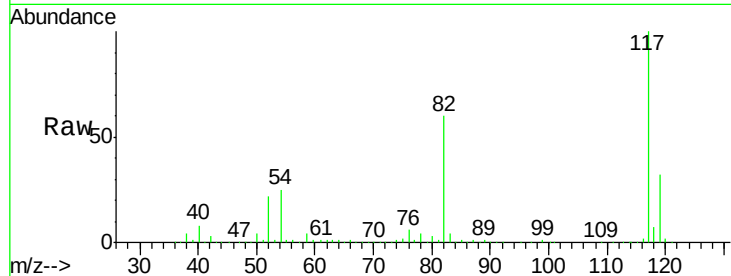
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Instrument :
MSVOA_X
ClientSampled :
S81-0105

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.2	72.4
119	32.0	25.0	37.6

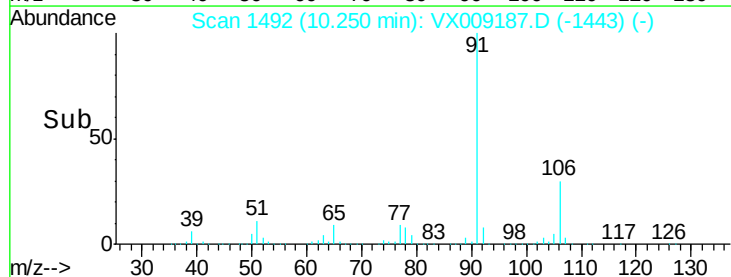
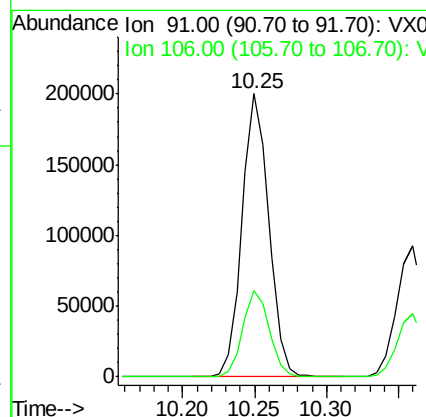
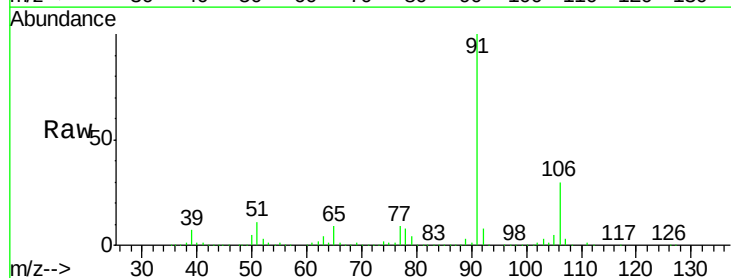
Manual Integrations
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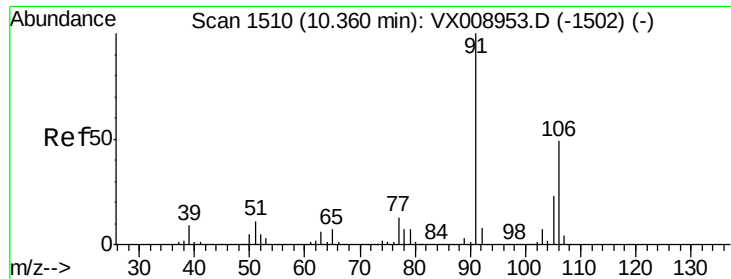
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#67
Ethyl Benzene
Concen: 22.886 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5





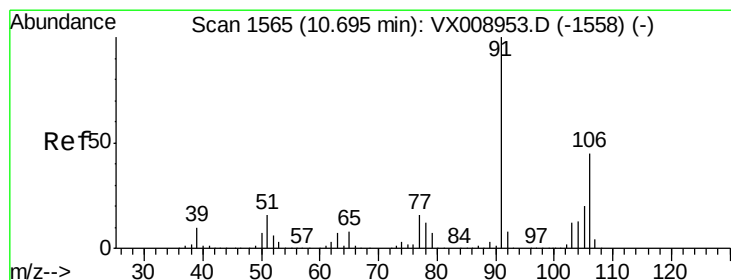
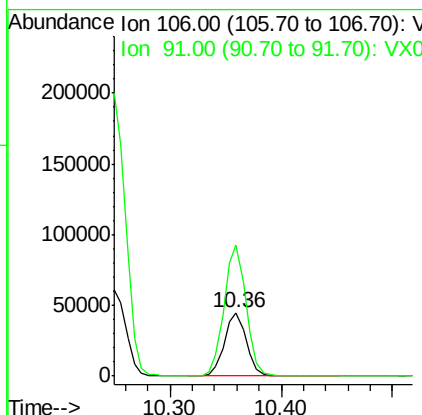
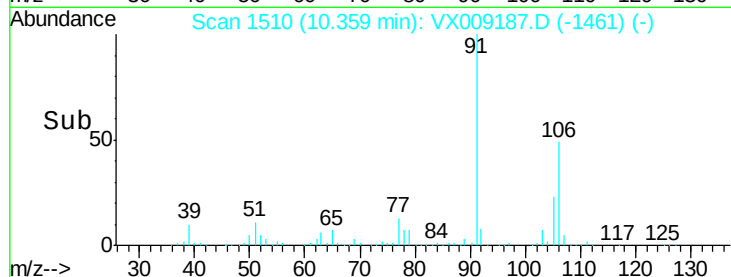
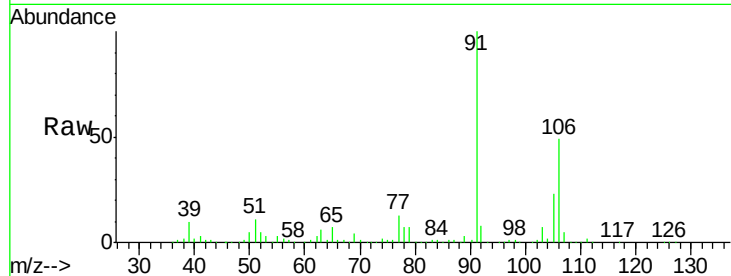
#68
m/p-Xylenes
Concen: 14.822 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Instrument :
MSVOA_X
ClientSampled :
S81-0105

Tot Ion:106 Resp: 61050
Ion Ratio Lower Upper
106 100
91 205.8 165.4 248.2

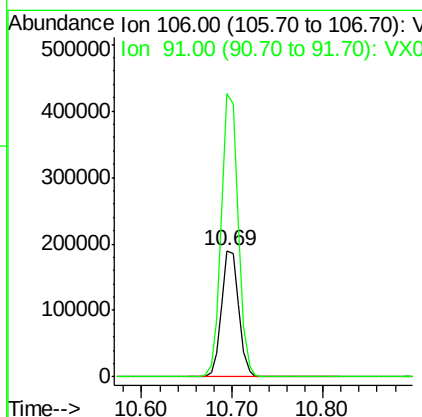
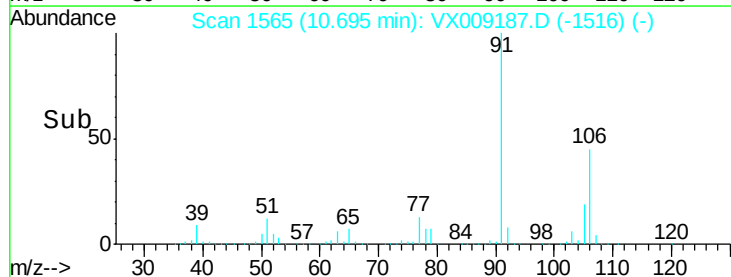
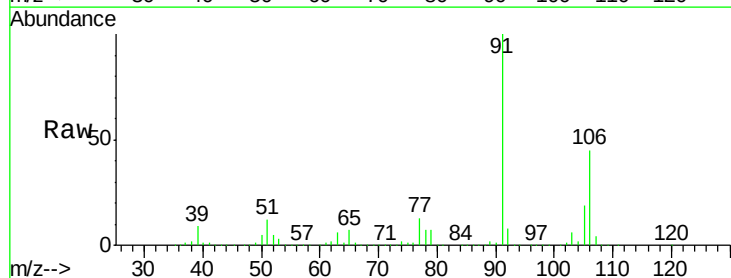
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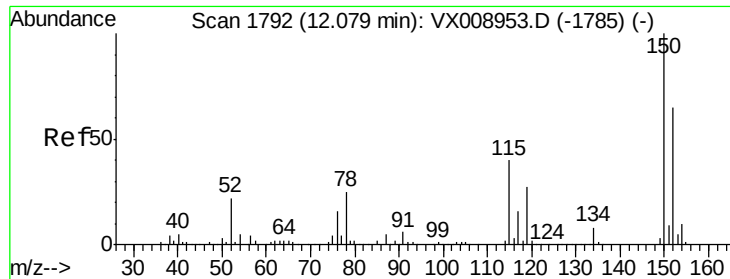
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#69
o-Xylene
Concen: 62.681 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion:106 Resp: 251202
Ion Ratio Lower Upper
106 100
91 221.3 108.9 326.7





#72

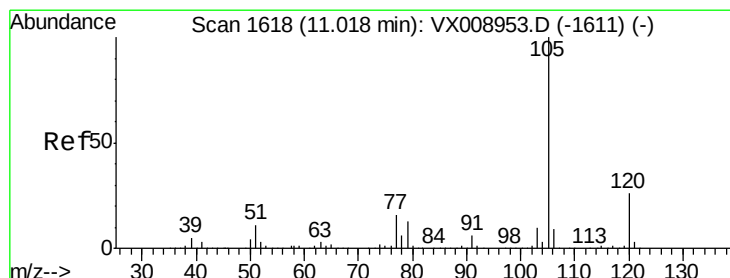
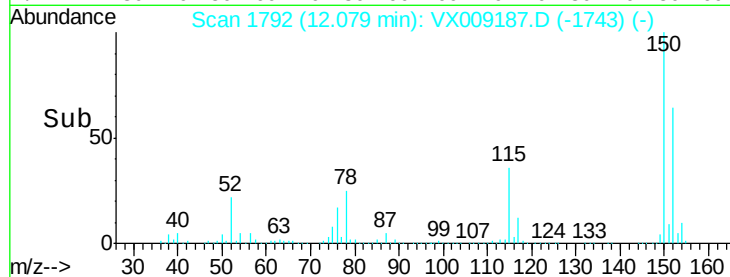
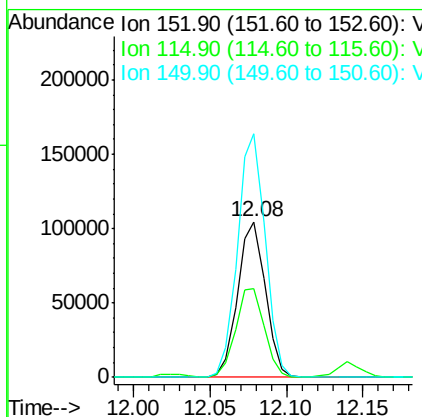
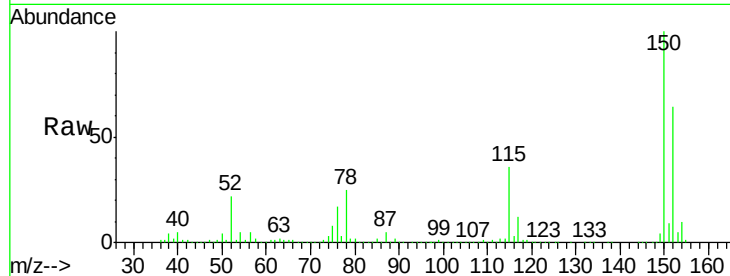
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Instrument :
MSVOA_X
ClientSampleId :
S81-0105

Tot Ion	Ratio	Resp	Lower	Upper
152	100	131332		
115	59.3	41.4	124.2	
150	156.0	0.0	349.8	

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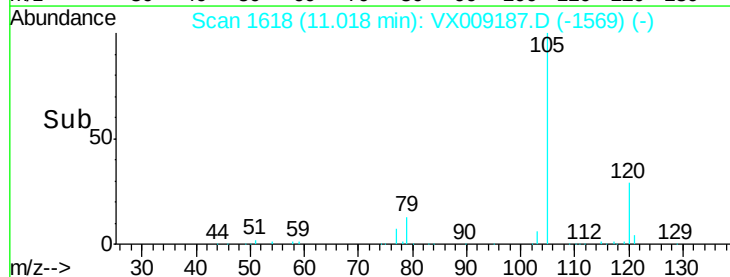
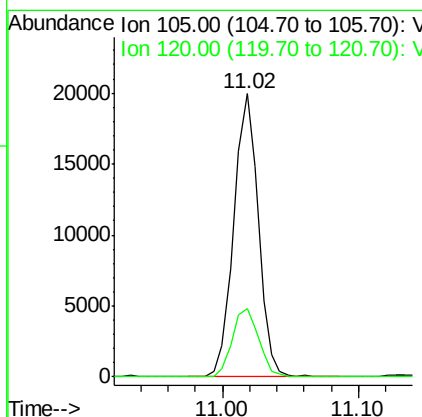
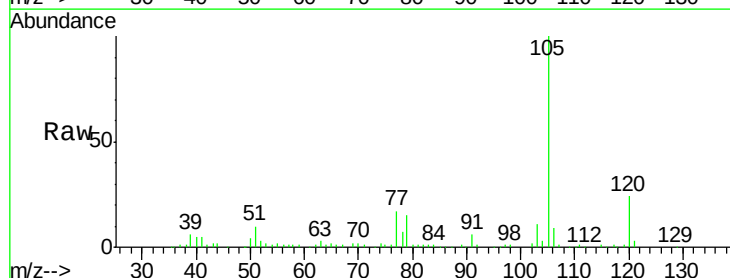
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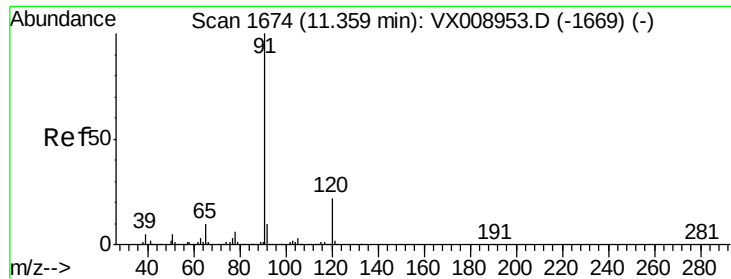


#73

Isopropylbenzene
Concen: 2.526 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009187.D
Acq: 26 Apr 2019 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	25146		
120	25.7	12.9	38.7	





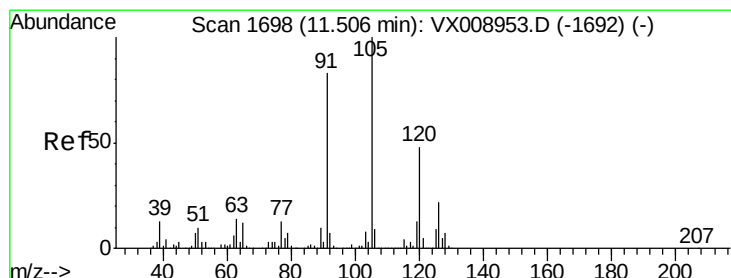
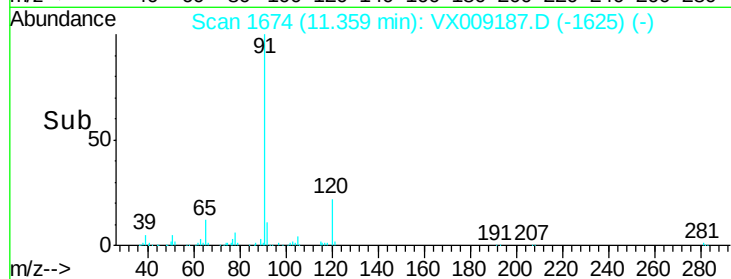
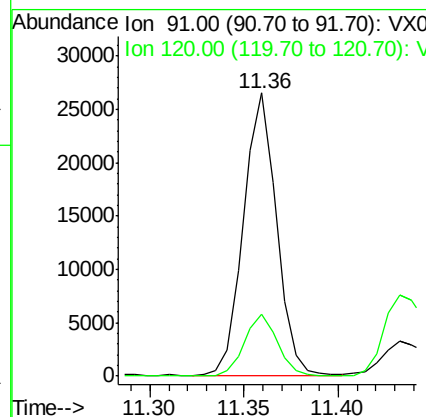
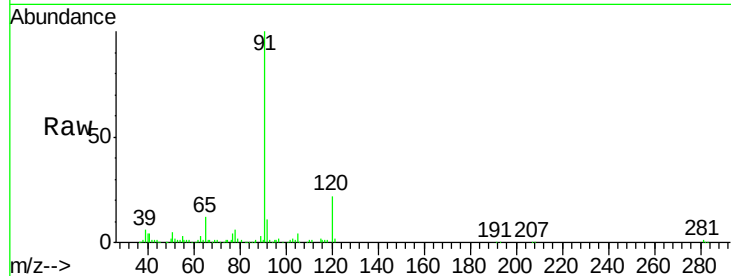
#78
 n-propylbenzene
 Concen: 2.832 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0105

Tot Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9

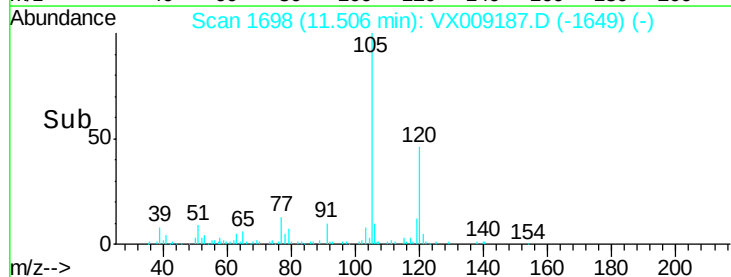
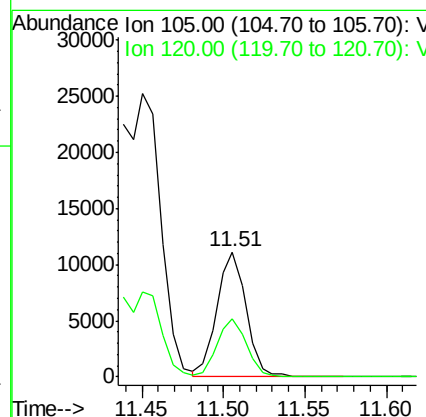
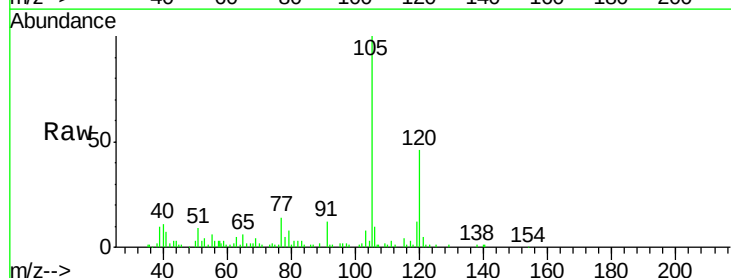
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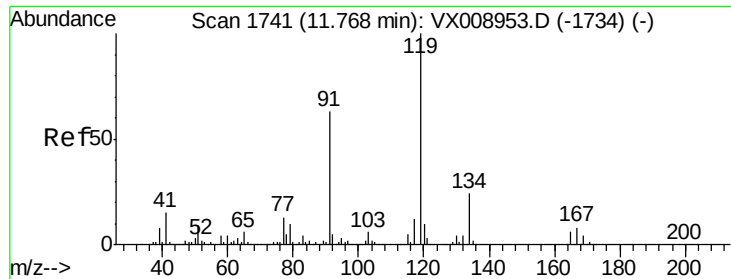
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#80
 1,3,5-Trimethylbenzene
 Concen: 1.688 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	24.1	72.3





#83

tert-Butylbenzene

Concen: 0.276 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

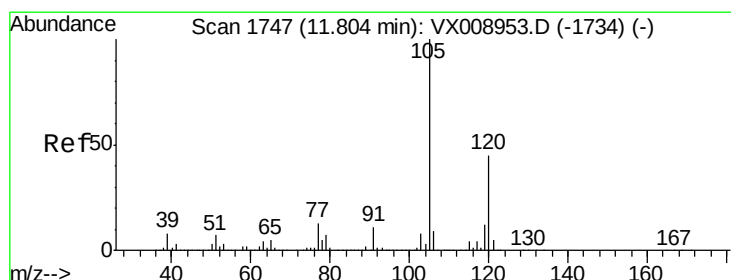
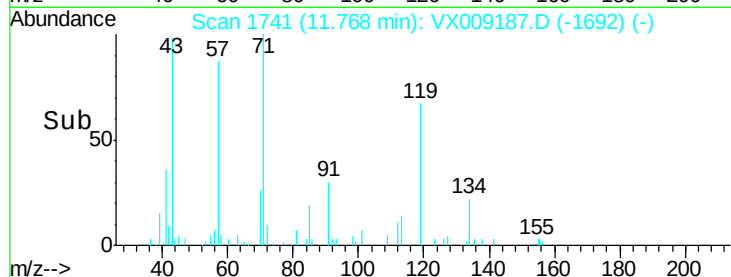
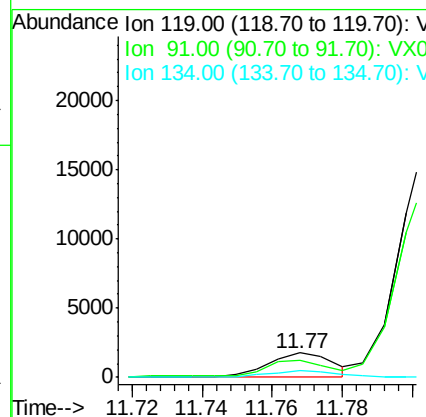
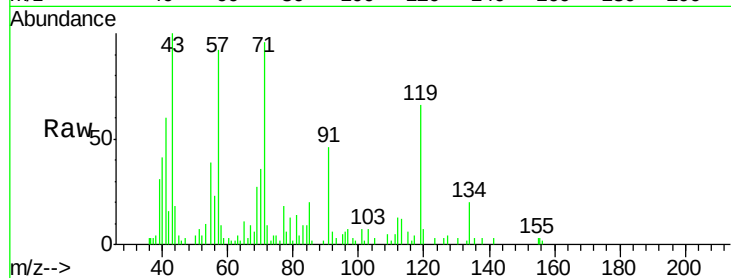
ClientSampleId :

S81-0105

Tot Ion:	119	Resp:	2210
Ion Ratio	Lower	Upper	
119	100		
91	65.3	29.7	89.1
134	29.8	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.939 ug/l

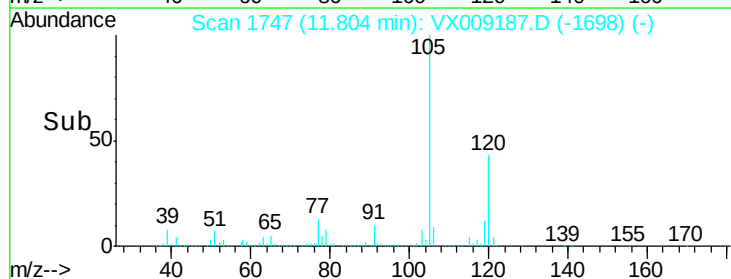
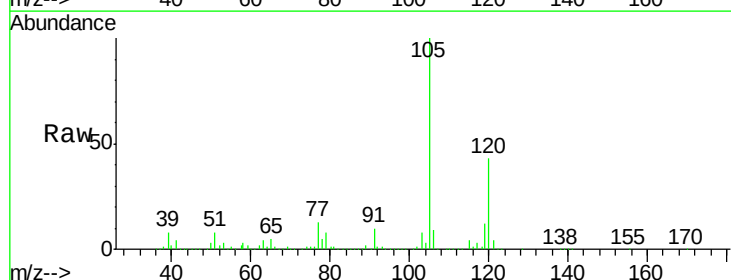
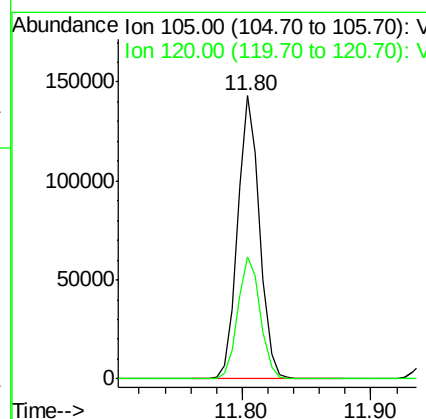
RT: 11.80 min Scan# 1747

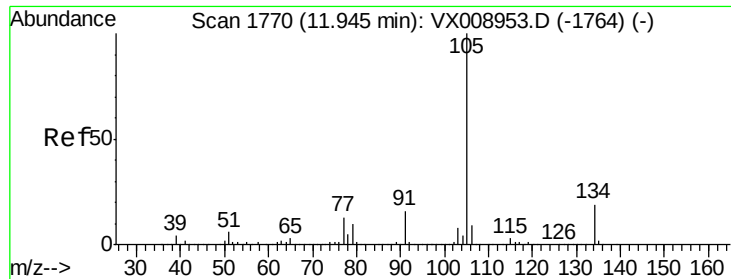
Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion:	105	Resp:	169545
Ion Ratio	Lower	Upper	
105	100		
120	44.3	21.9	65.8





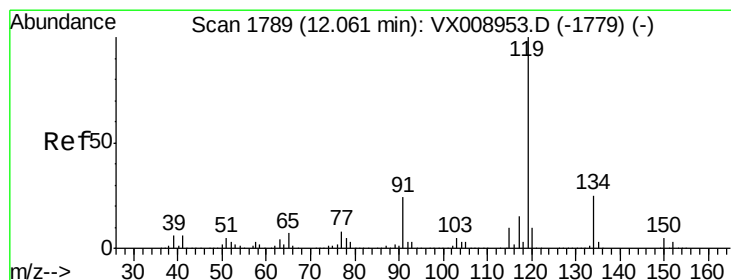
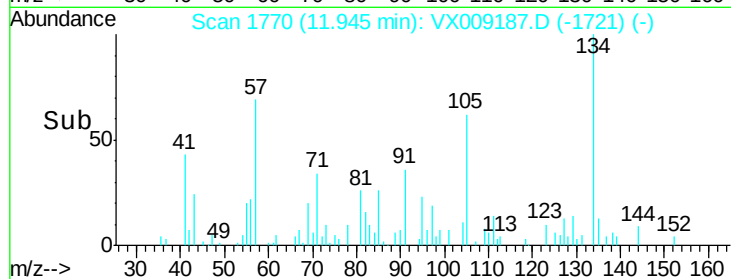
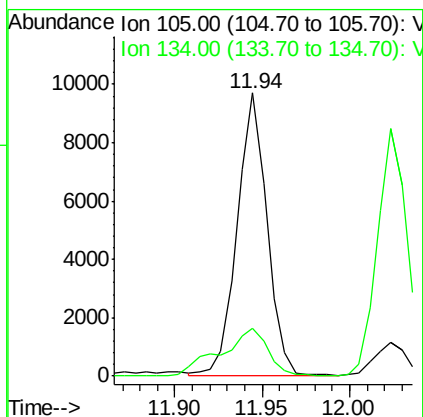
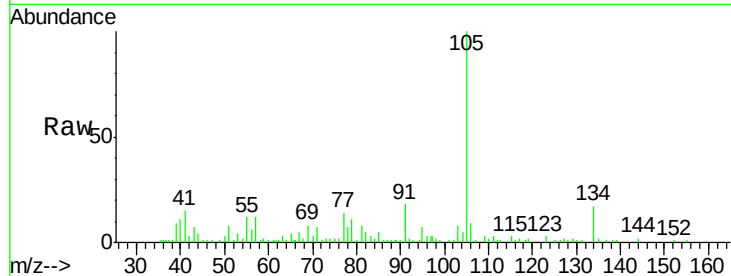
#85
 sec-Butylbenzene
 Concen: 1.211 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Instrument :
 MSVOA_X
 ClientSampled :
 S81-0105

Tot Ion:105 Resp: 11580
 Ion Ratio Lower Upper
 105 100
 134 26.9 9.6 28.6

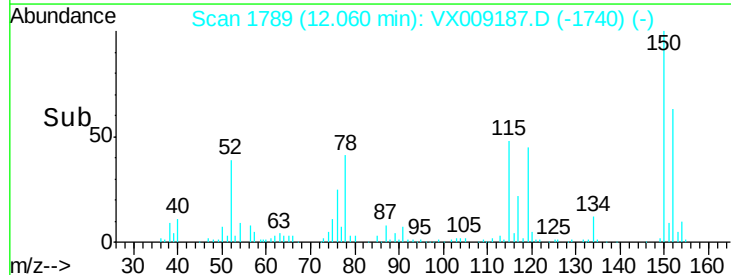
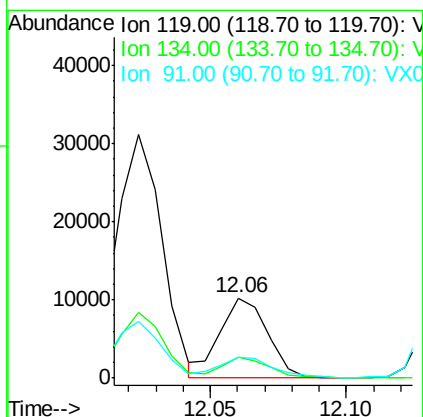
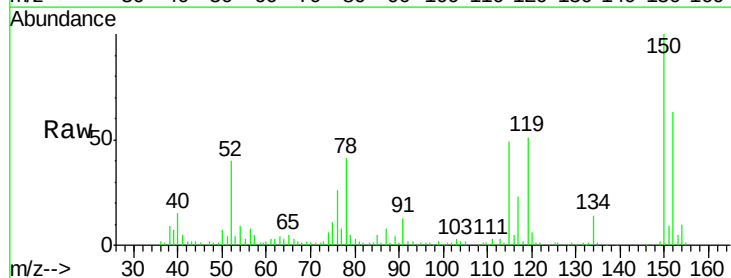
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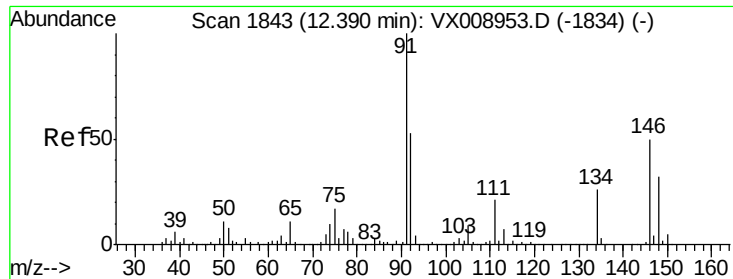
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#86
 p-Isopropyltoluene
 Concen: 1.395 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009187.D
 Acq: 26 Apr 2019 14:13

Tgt Ion:119 Resp: 12267
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 28.2 11.9 35.5





#89

n-Butylbenzene

Concen: 0.721 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Instrument :

MSVOA_X

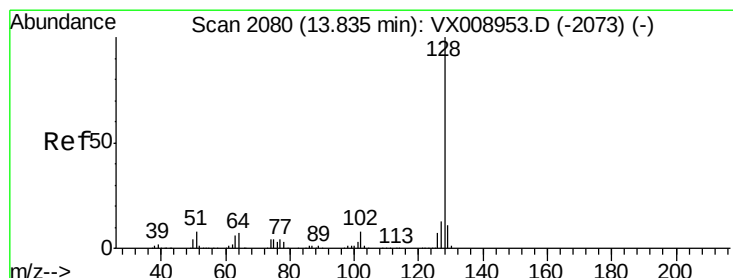
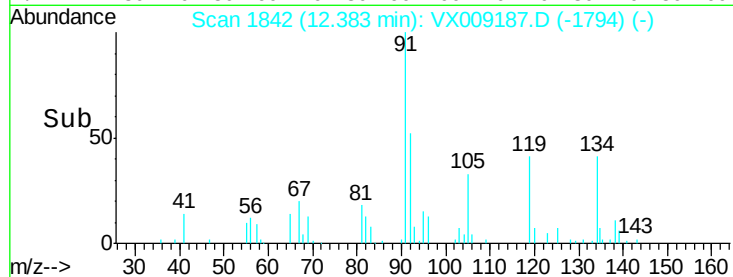
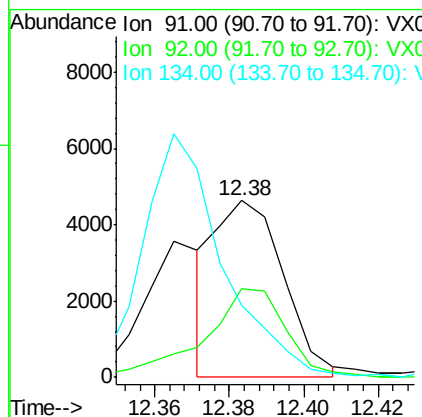
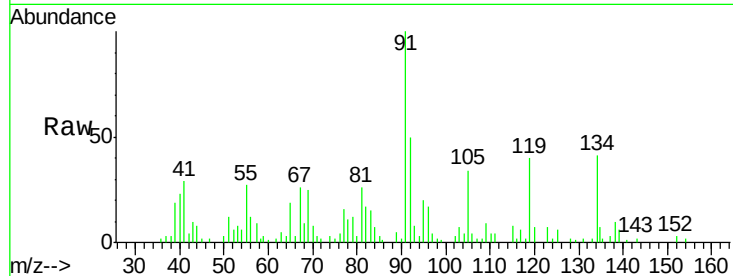
ClientSampled :

S81-0105

Tot Ion:	91	Resp:	5905
Ion	Ratio	Lower	Upper
91	100		
92	60.1	26.6	79.8
134	158.9	12.4	37.2#

Manual Integrations
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#95

Naphthalene

Concen: 4.470 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009187.D

Acq: 26 Apr 2019 14:13

Tgt Ion:	128	Resp:	44876
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.6	16.0
129	15.1	8.6	13.0#

