

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX041219\
 Data File : VX008915.D
 Acq On : 13 Apr 2019 03:12
 Operator : JC/SP
 Sample : K2381-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

Manual Integrations
 APPROVED

MMDadoda
 4/13/2019 2:12:26 PM

Quant Time: Apr 13 10:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114958	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	134281	45.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.60%	
35) Dibromofluoromethane	5.50	113	95650	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
50) Toluene-d8	8.71	98	406218	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.13	95	133994	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.06	59	4981	7.177	ug/l	95
16) Acetone	2.45	43	1569416	919.171	ug/l	99
17) Carbon Disulfide	2.57	76	42288	5.575	ug/l	96
18) Methyl Acetate	2.77	43	532119	128.500	ug/l	99
20) Methylene Chloride	2.85	84	1413	0.494	ug/l #	86
25) 2-Butanone	4.67	43	210550	78.021	ug/l	98
30) Chloroform	5.21	83	2453	0.535	ug/l	88
37) Ethyl Acetate	4.83	43	1119608	235.395	ug/l	99
52) Toluene	8.78	92	12786	2.043	ug/l	100
64) Tetrachloroethene	9.34	164	40640	19.657	ug/l	97
67) Ethyl Benzene	10.25	91	4657	0.404	ug/l	96
68) m/p-Xylenes	10.35	106	7733	1.865	ug/l	98
69) o-Xylene	10.70	106	4731	1.177	ug/l	96
73) Isopropylbenzene	11.02	105	3671	0.385	ug/l	98
78) n-propylbenzene	11.36	91	20456	1.844	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	46004	5.753	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	180475	22.288	ug/l	100
85) sec-Butylbenzene	11.94	105	15782	1.727	ug/l #	75
86) p-Isopropyltoluene	12.06	119	16564m	2.019	ug/l	
89) n-Butylbenzene	12.38	91	46006	5.981	ug/l #	45
95) Naphthalene	13.83	128	260361	27.522	ug/l	98

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

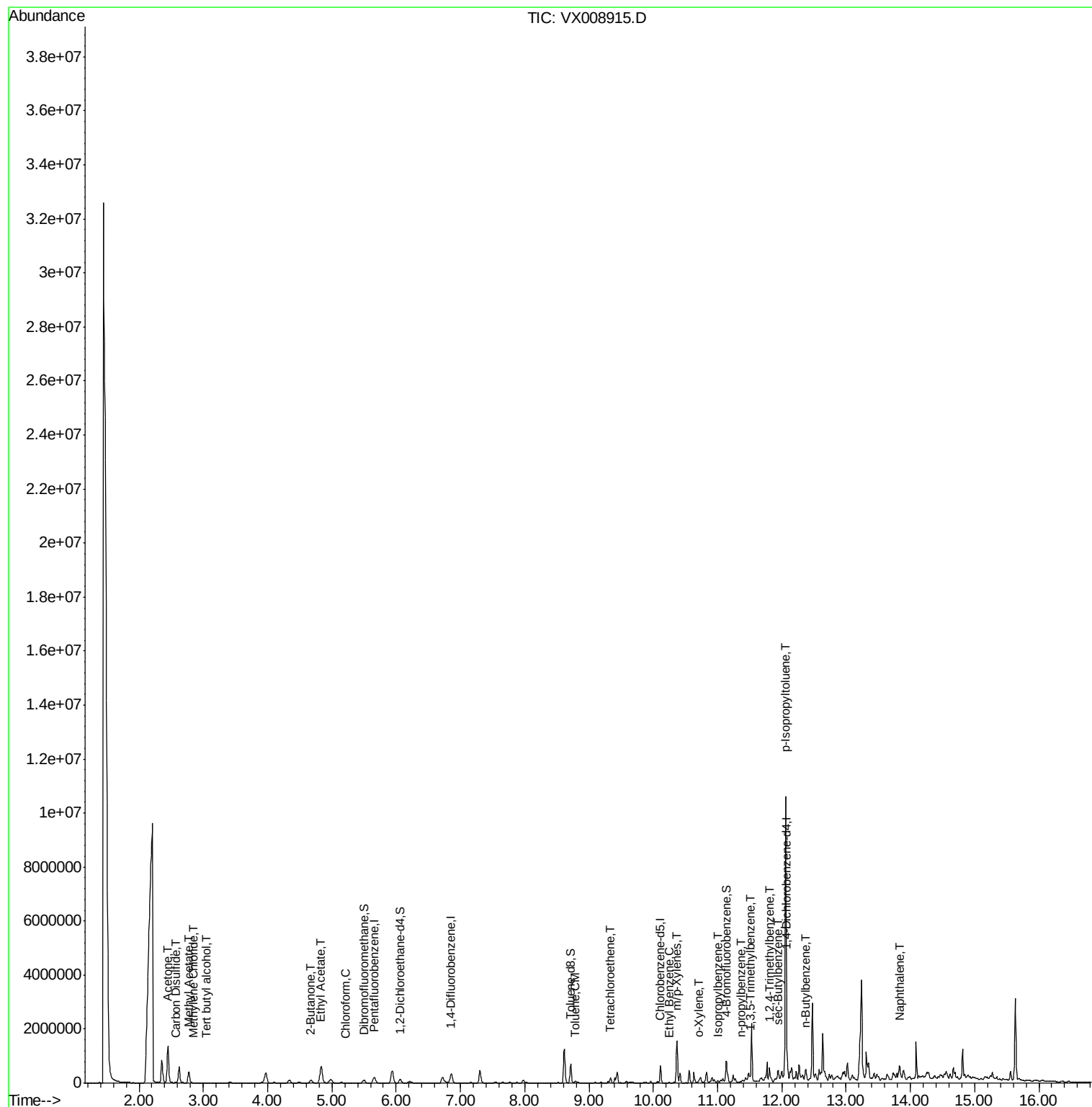
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
Data File : VX008915.D
Acq On : 13 Apr 2019 03:12
Operator : JC/SP
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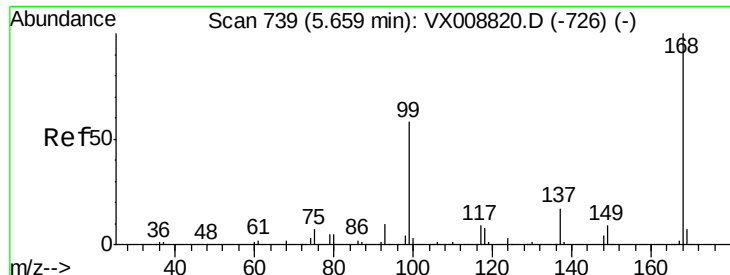
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

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Quant Time: Apr 13 10:27:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

Tgt Ion:168 Resp: 203244

Ion Ratio Lower Upper

168 100

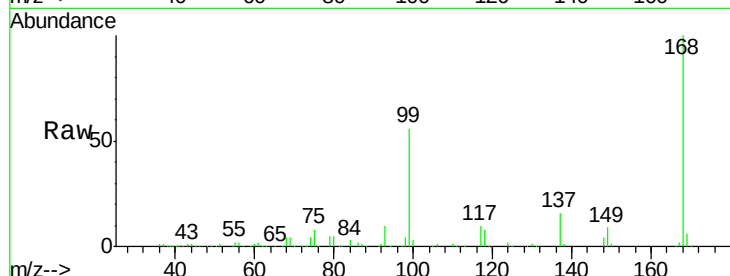
99 56.0 46.7 70.1

Manual Integrations

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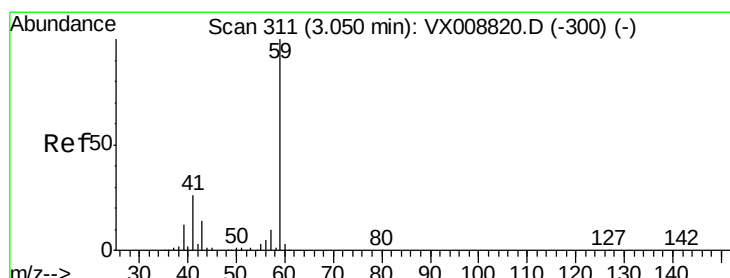
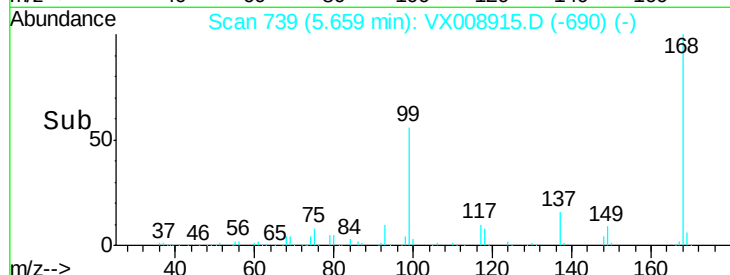
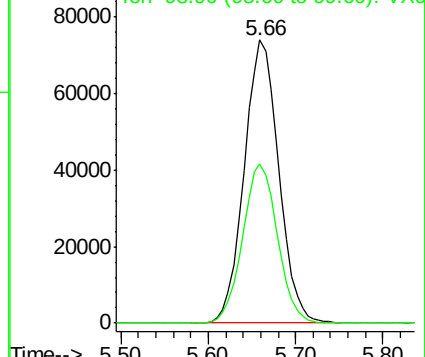
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 7.177 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.00 min

Lab File: VX008915.D

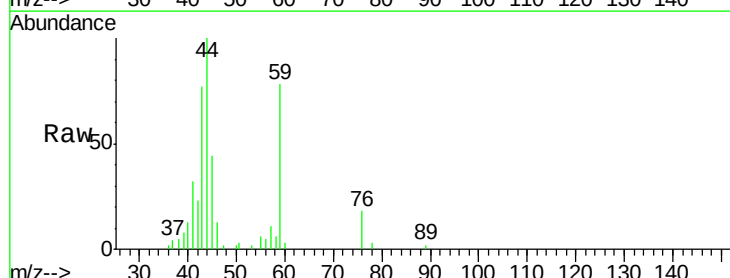
Acq: 13 Apr 2019 03:12

Tgt Ion: 59 Resp: 4981

Ion Ratio Lower Upper

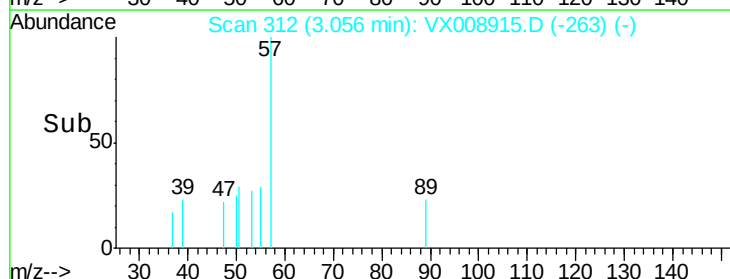
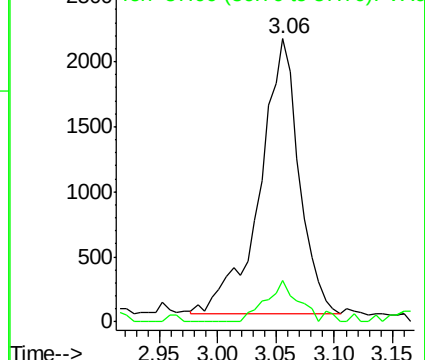
59 100

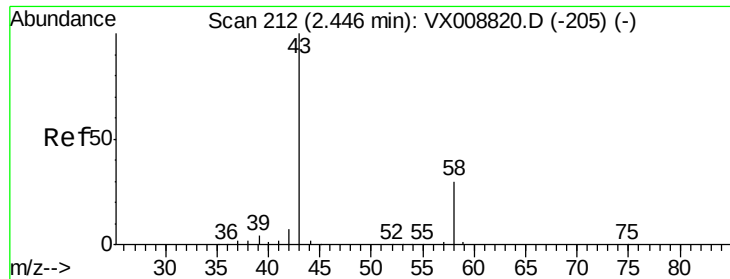
57 12.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





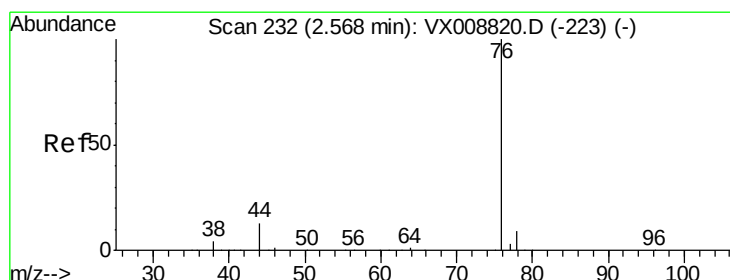
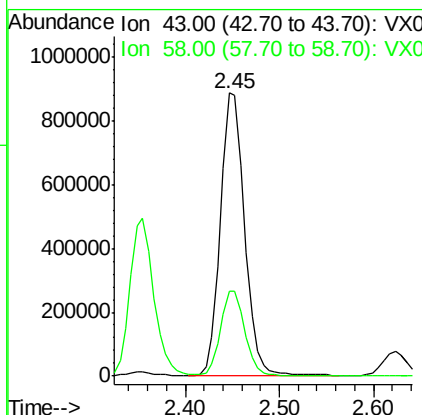
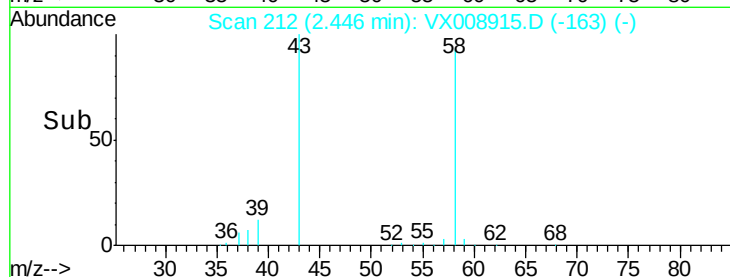
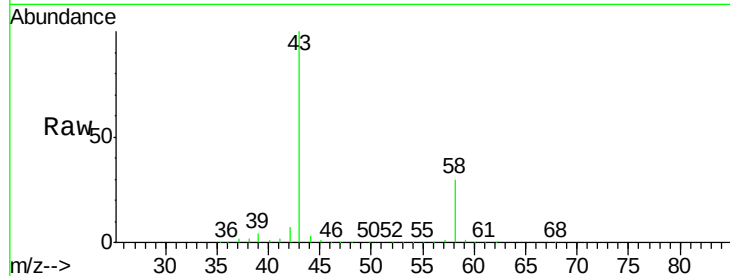
#16
Acetone
Concen: 919.171 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tgt Ion: 43 Resp: 1569416
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2

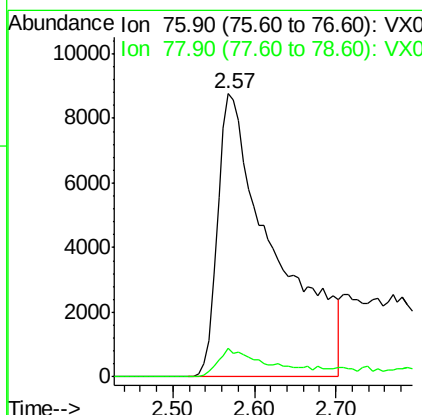
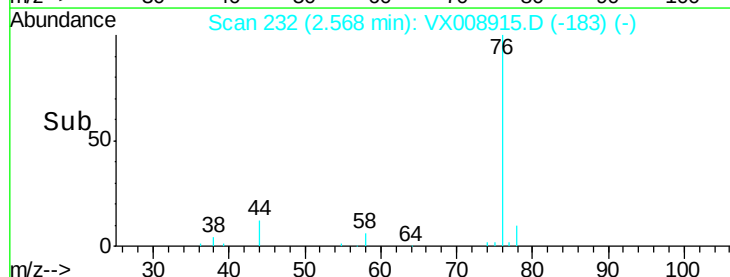
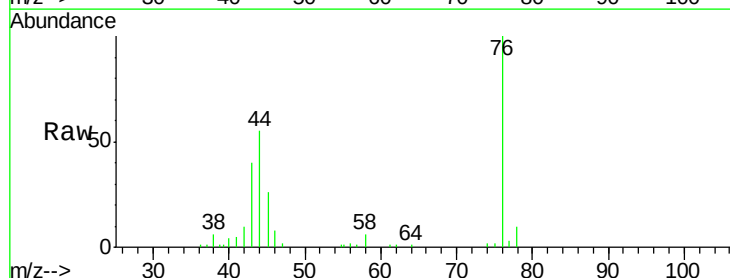
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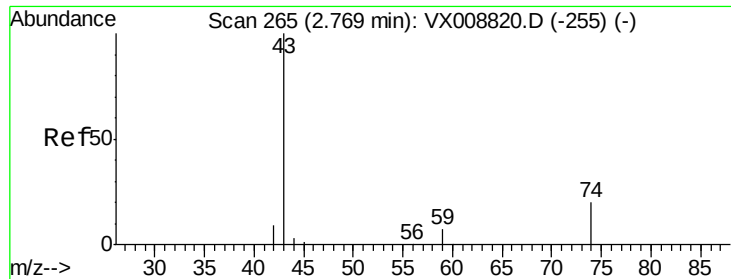
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#17
Carbon Disulfide
Concen: 5.575 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 76 Resp: 42288
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7





#18

Methyl Acetate

Concen: 128.500 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Tgt Ion: 43 Resp: 532119

Ion Ratio Lower Upper

43 100

74 19.9 16.5 24.7

Instrument :

MSVOA_X

ClientSampleId :

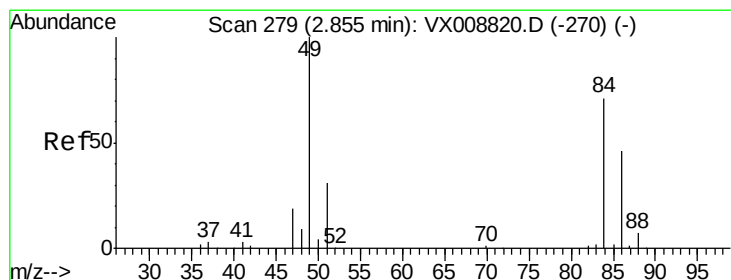
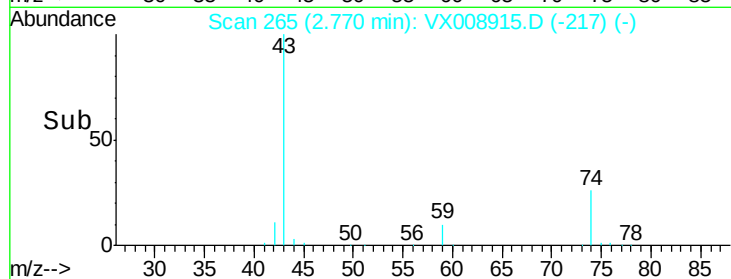
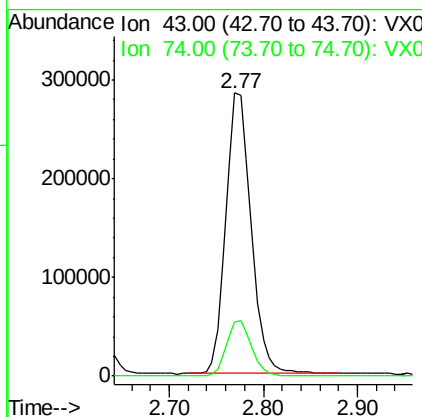
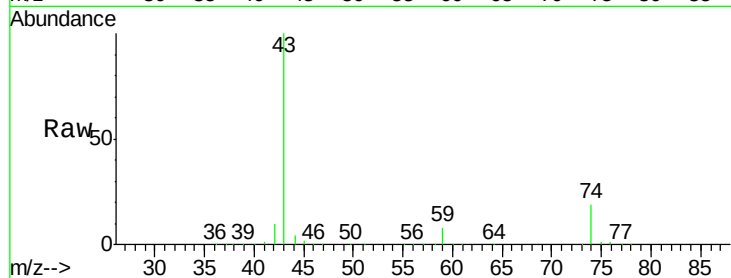
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#20

Methylene Chloride

Concen: 0.494 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Tgt Ion: 84 Resp: 1413

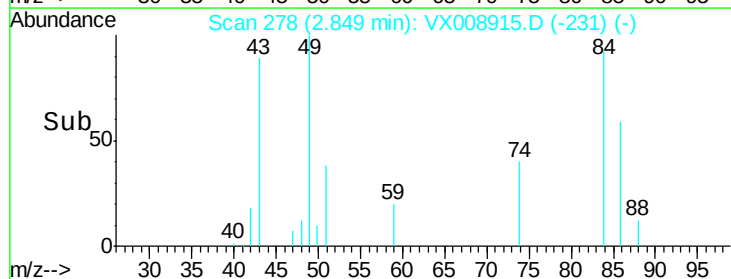
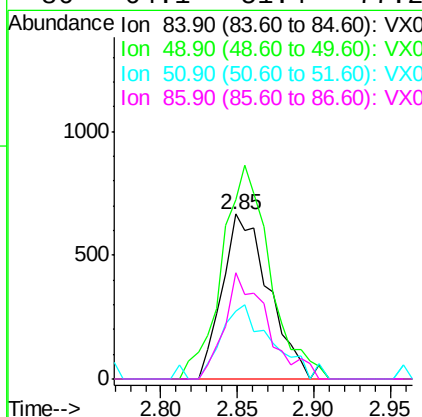
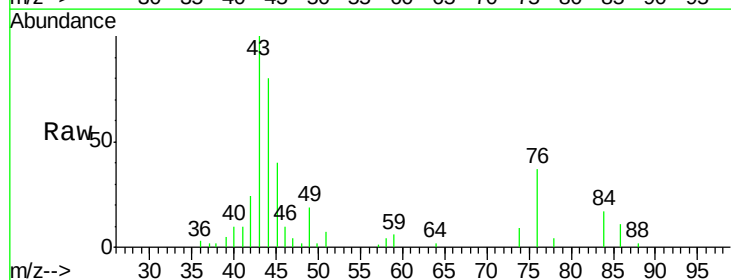
Ion Ratio Lower Upper

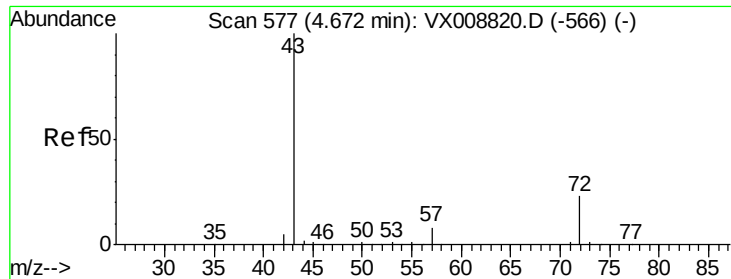
84 100

49 108.4 109.7 164.5#

51 41.1 33.6 50.4

86 64.1 51.4 77.2





#25

2-Butanone

Concen: 78.021 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

Tgt Ion: 43 Resp: 210550

Ion Ratio Lower Upper

43 100

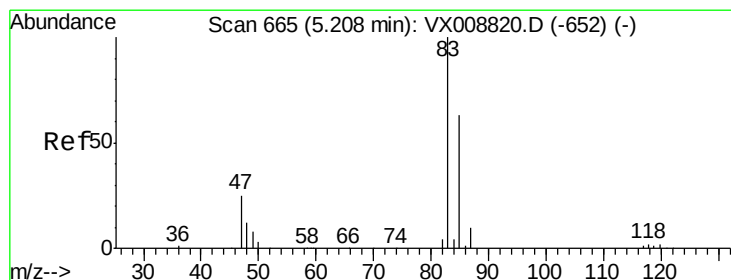
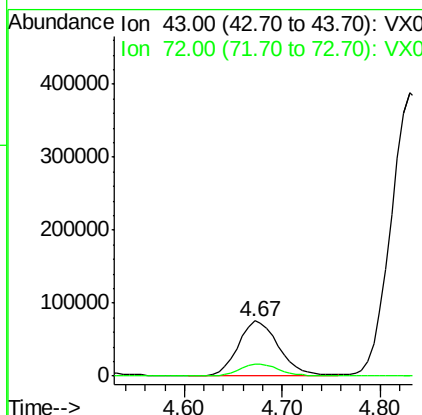
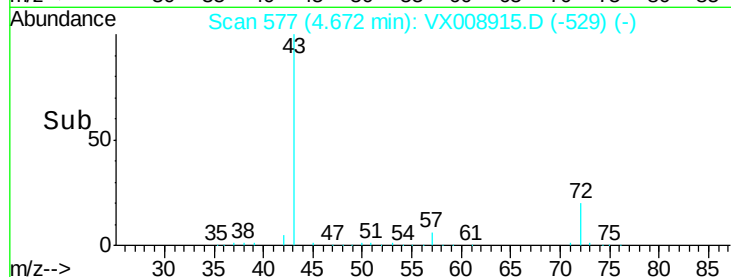
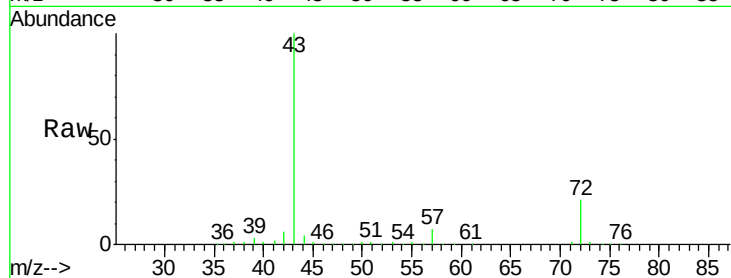
72 21.8 18.2 27.4

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#30

Chloroform

Concen: 0.535 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008915.D

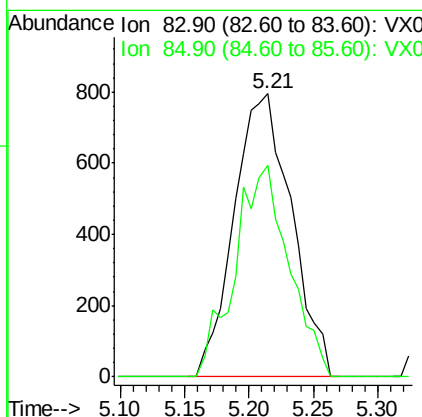
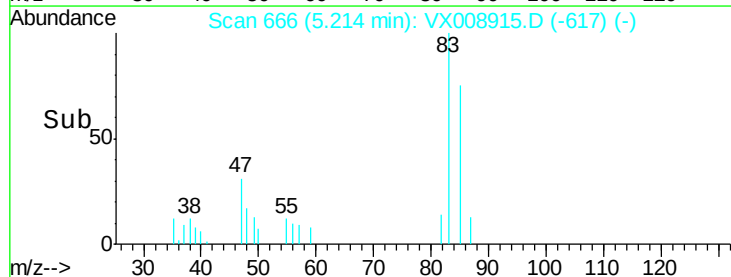
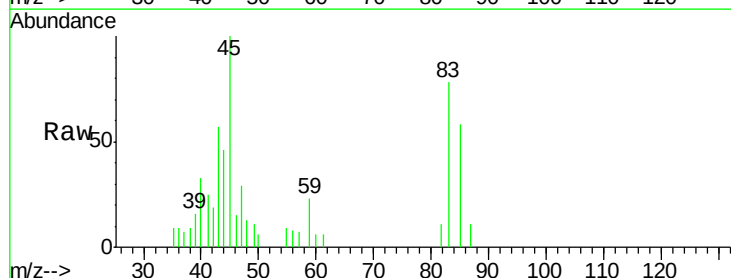
Acq: 13 Apr 2019 03:12

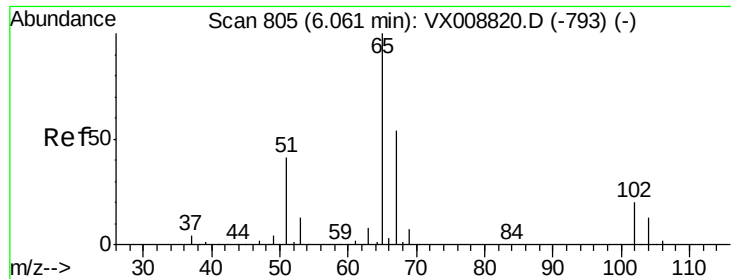
Tgt Ion: 83 Resp: 2453

Ion Ratio Lower Upper

83 100

85 74.6 52.1 78.1





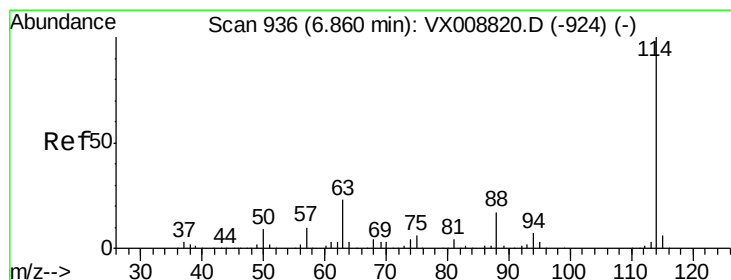
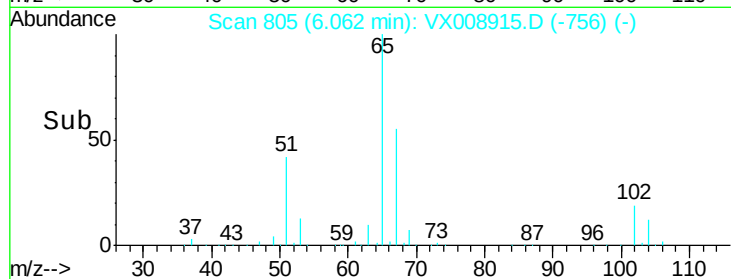
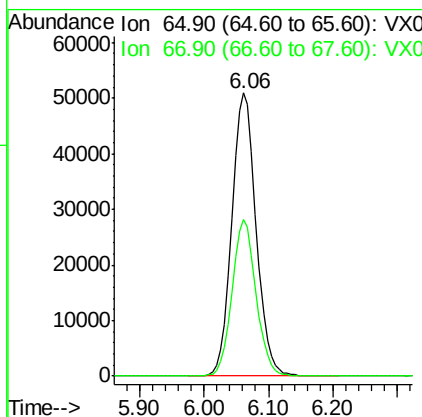
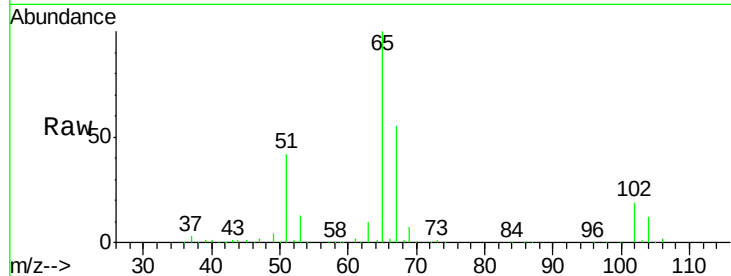
#33
 1,2-Dichloroethane-d4
 Concen: 45.297 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 CL-COMP-2

Tgt Ion: 65 Resp: 134281
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2

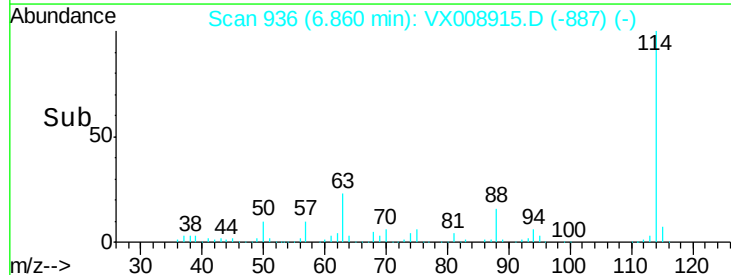
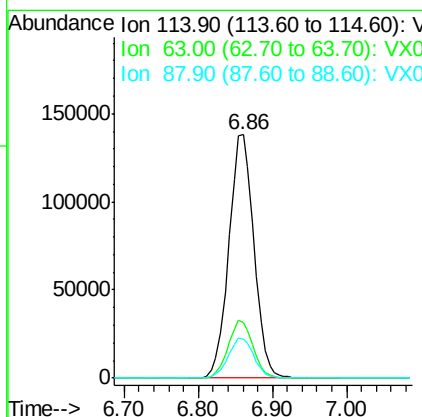
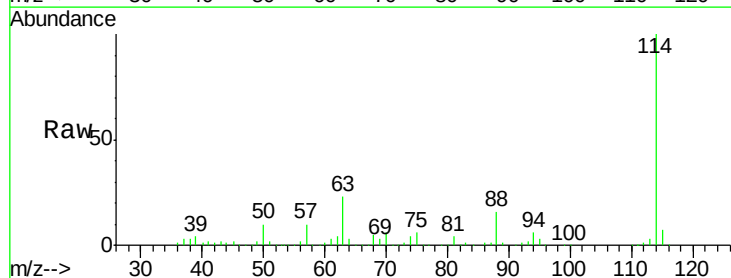
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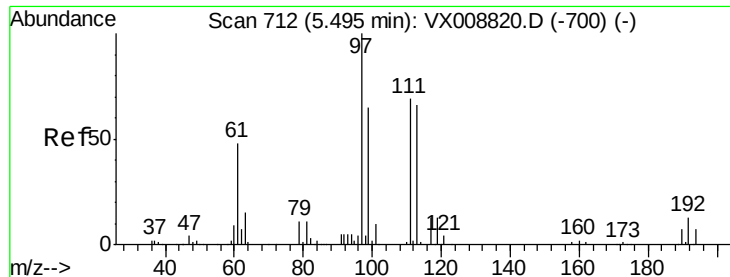
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 114 Resp: 325984
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.1 0.0 34.0





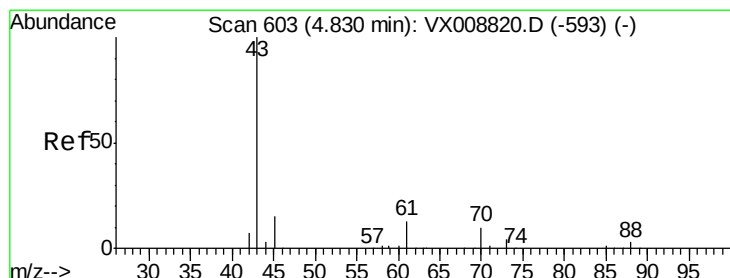
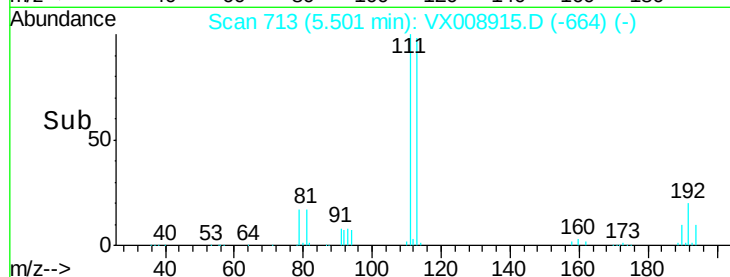
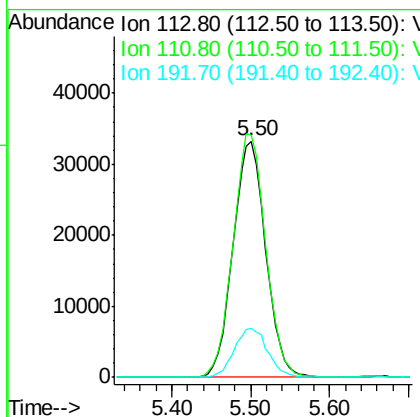
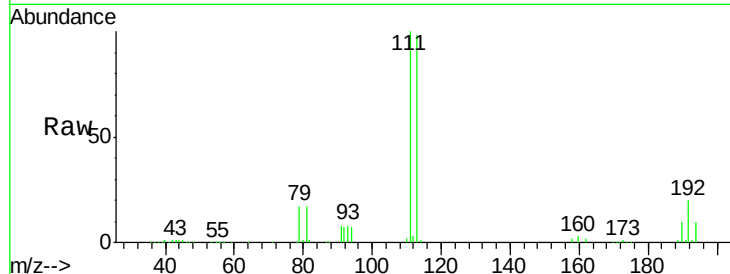
#35
 Dibromofluoromethane
 Concen: 45.892 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	95650		
111	103.5	83.4	125.2	
192	21.2	16.1	24.1	

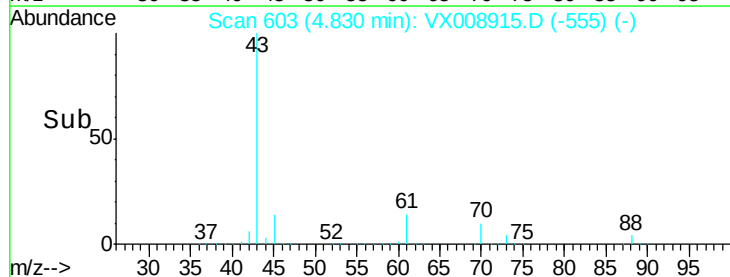
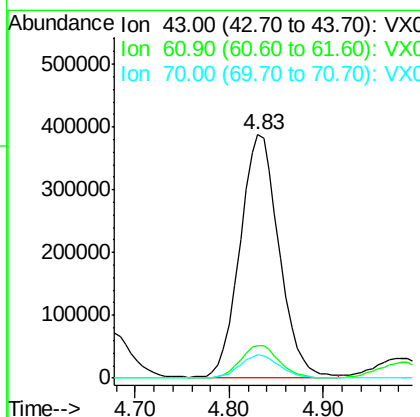
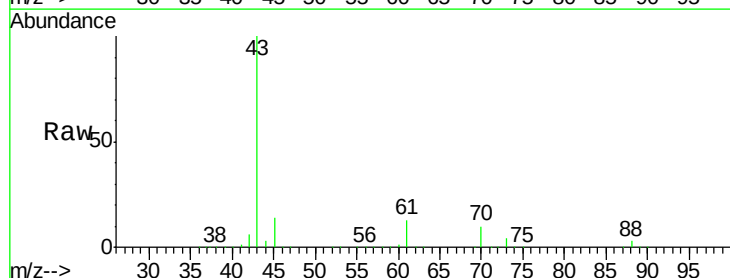
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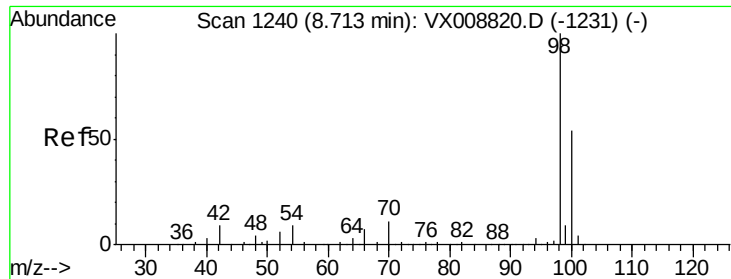
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#37
 Ethyl Acetate
 Concen: 235.395 ug/l
 RT: 4.83 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1119608		
61	13.5	10.3	15.5	
70	9.6	7.6	11.4	





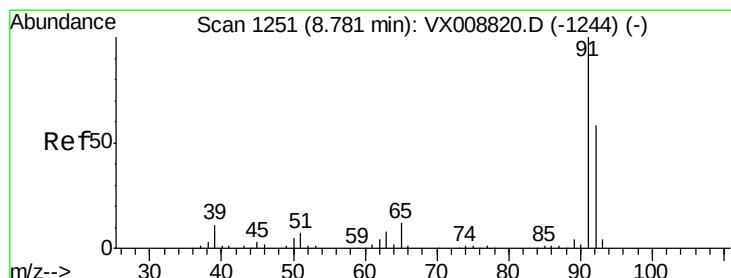
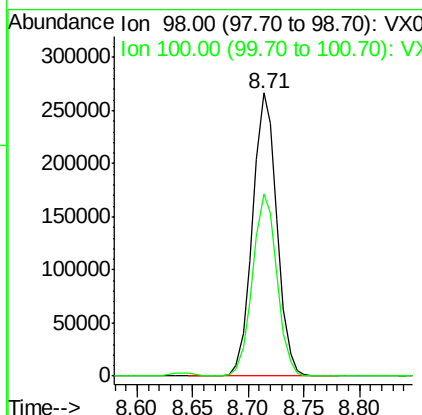
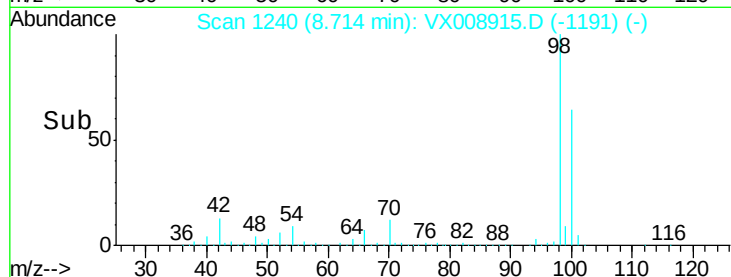
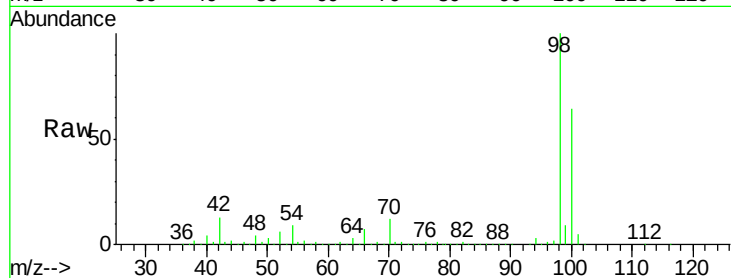
#50
Toluene-d8
Concen: 48.949 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tgt Ion: 98 Resp: 406218
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

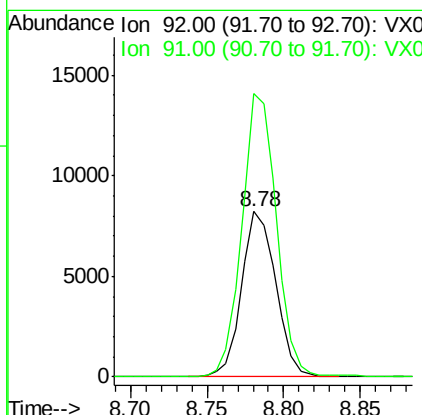
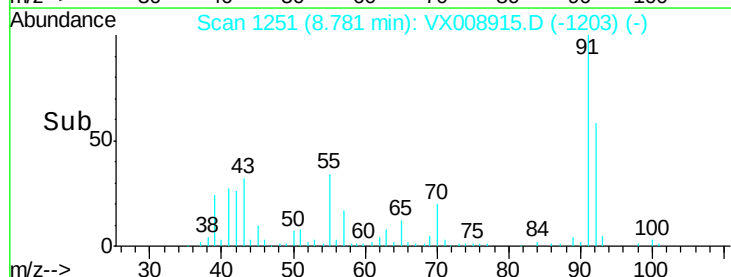
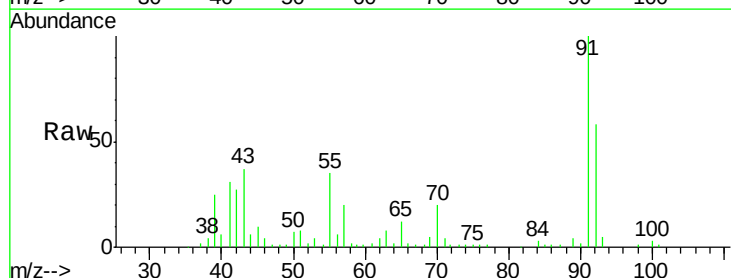
Manual Integrations
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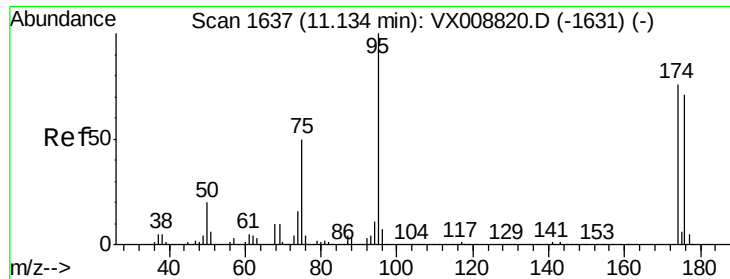
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#52
Toluene
Concen: 2.043 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 92 Resp: 12786
Ion Ratio Lower Upper
92 100
91 173.0 138.5 207.7





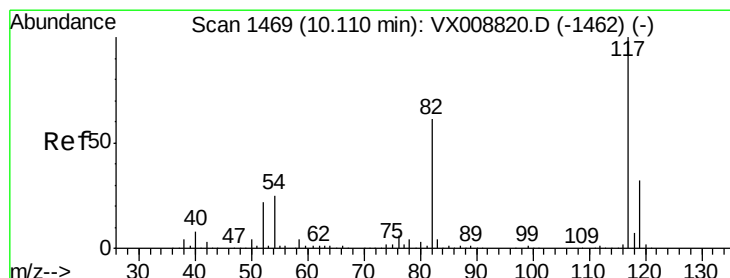
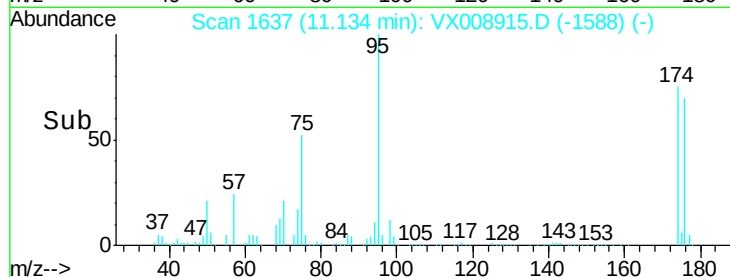
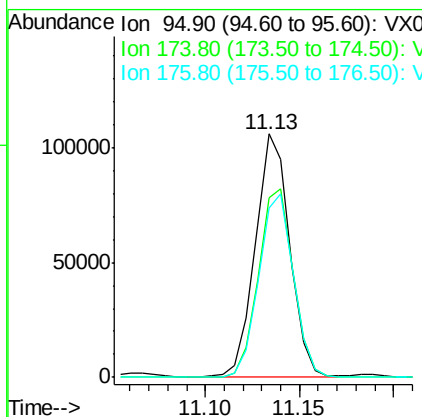
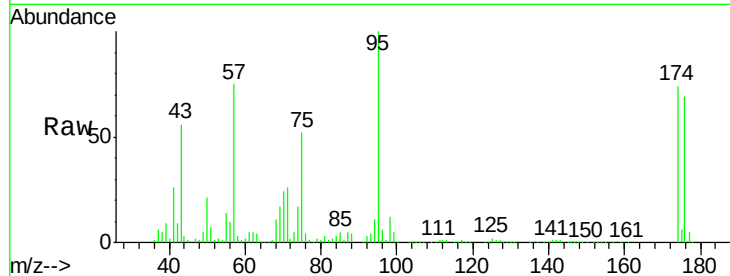
#62
4-Bromofluorobenzene
Concen: 45.532 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampled :
CL-COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	133994		
174	78.5	0.0	151.8	
176	76.1	0.0	145.8	

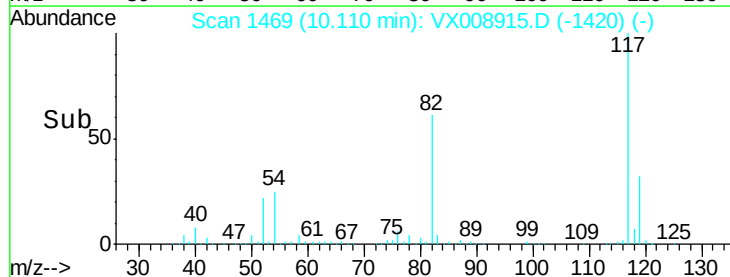
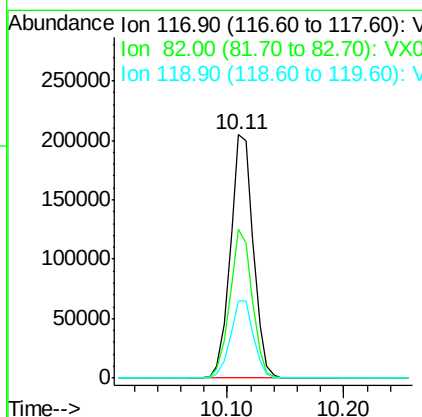
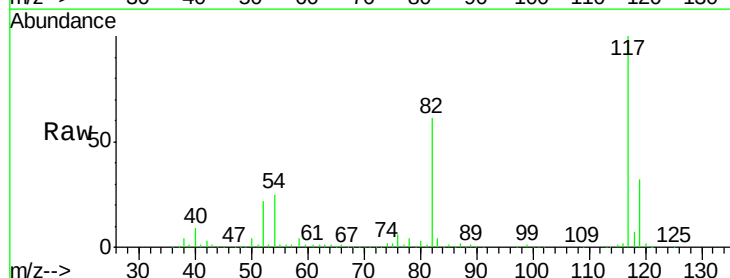
Manual Integrations
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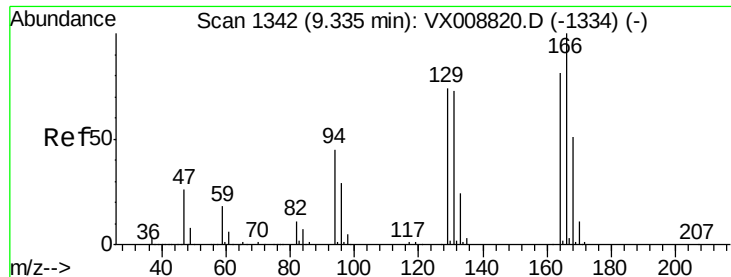
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	279047		
82	61.3	49.6	74.4	
119	31.8	25.0	37.4	





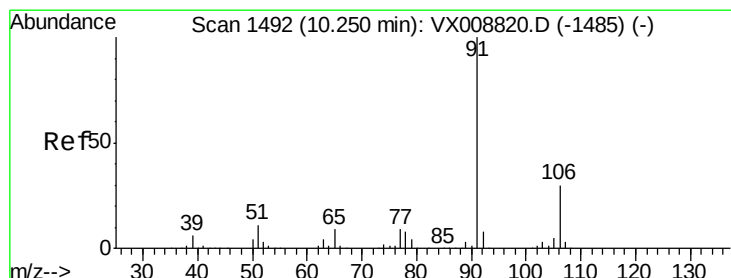
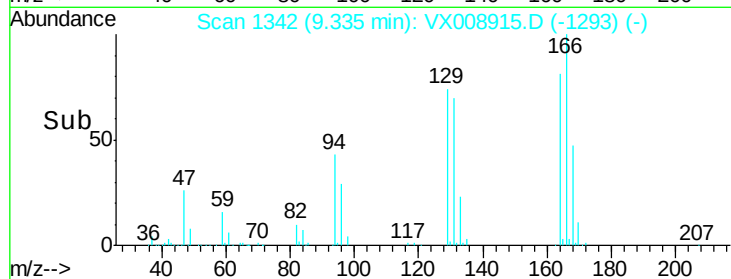
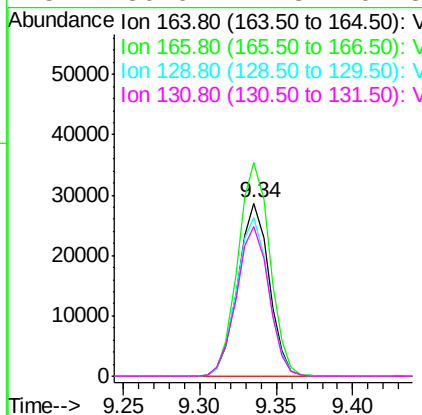
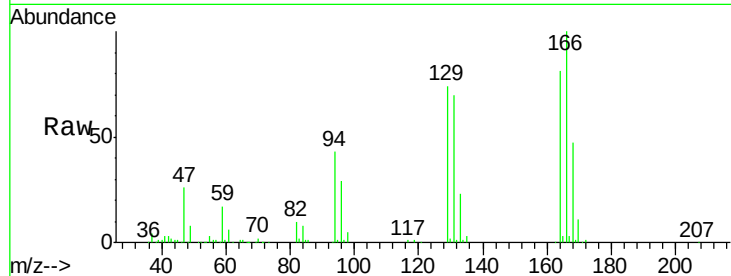
#64
Tetrachloroethene
 Concen: 19.657 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 CL-COMP-2

Tgt Ion:	164	Resp:	40640
Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.0	151.6
129	91.8	75.8	113.8
131	86.6	71.8	107.8

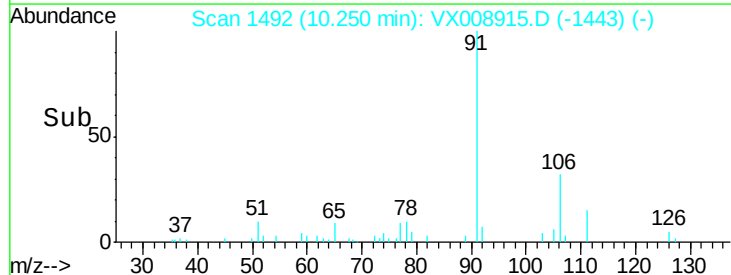
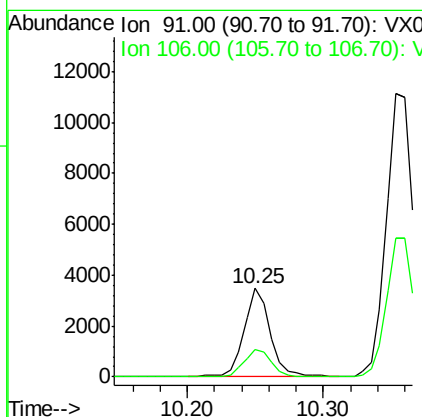
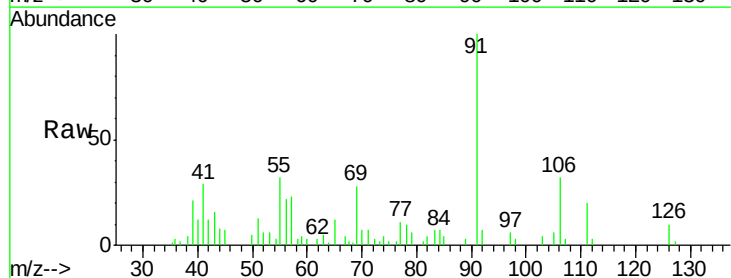
Manual Integrations
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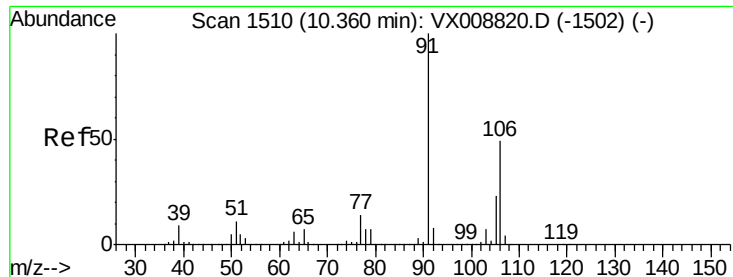
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#67
Ethyl Benzene
 Concen: 0.404 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion:	91	Resp:	4657
Ion	Ratio	Lower	Upper
91	100		
106	31.7	23.7	35.5





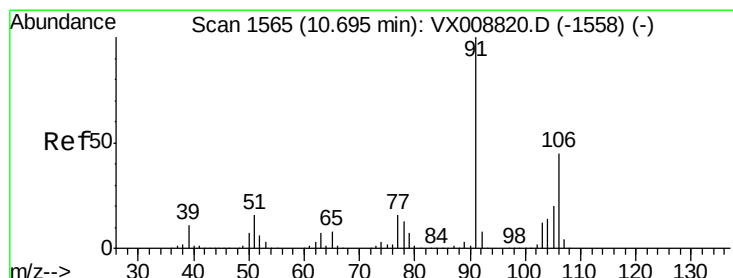
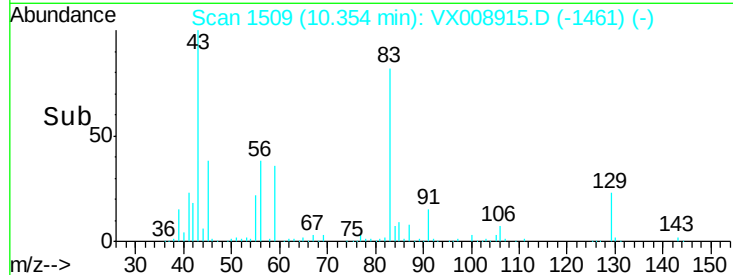
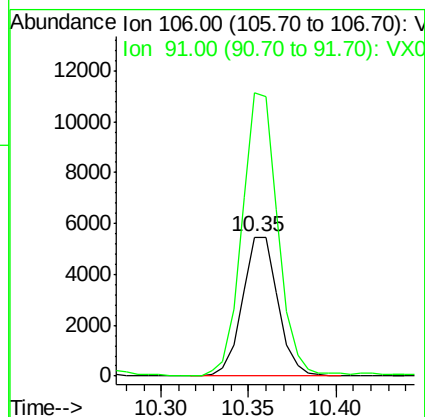
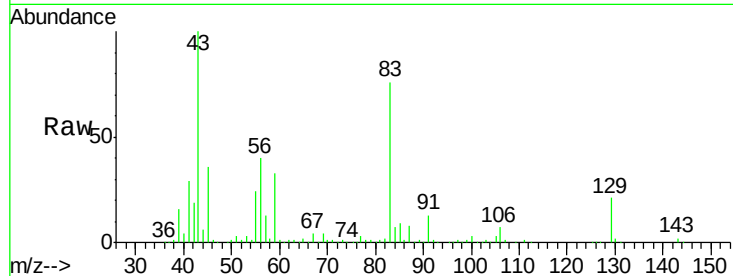
#68
m/p-Xylenes
Concen: 1.865 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tgt Ion:106 Resp: 7733
Ion Ratio Lower Upper
106 100
91 206.8 168.5 252.7

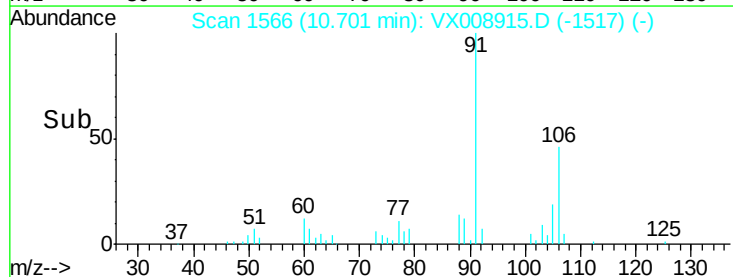
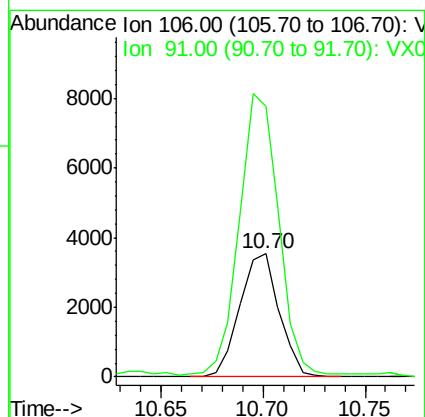
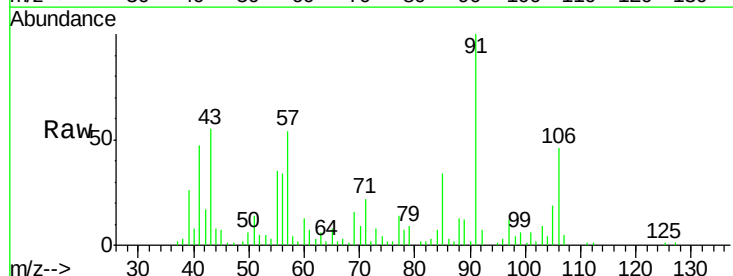
Manual Integrations
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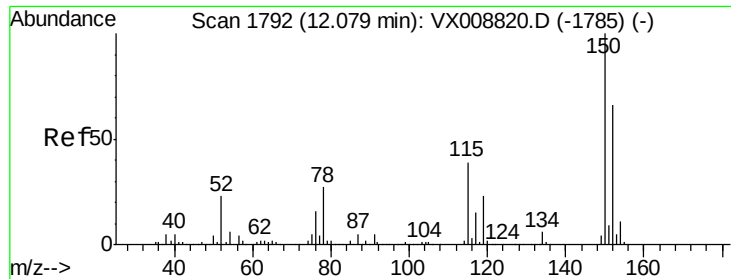
MMDadoda
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#69
o-Xylene
Concen: 1.177 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion:106 Resp: 4731
Ion Ratio Lower Upper
106 100
91 229.2 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

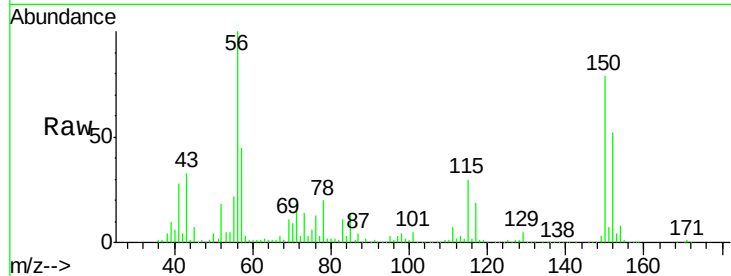
ClientSampleId :

CL-COMP-2

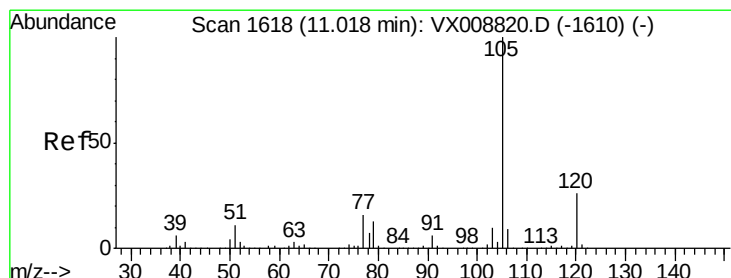
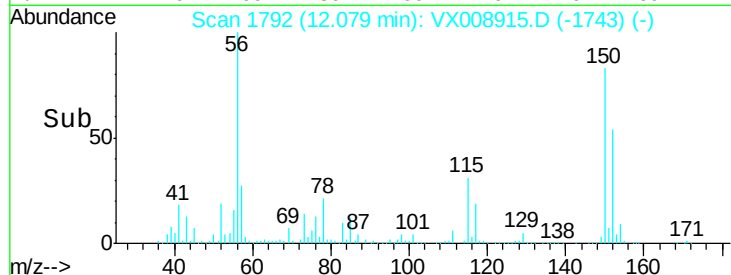
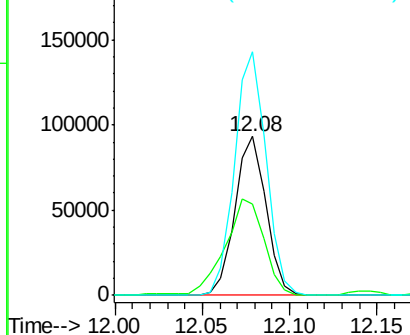
Tgt Ion:	152	Resp:	114958
Ion Ratio	Lower	Upper	
152	100		
115	75.5	43.5	130.5
150	155.9	0.0	348.8

Manual Integrations
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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: 0.385 ug/l

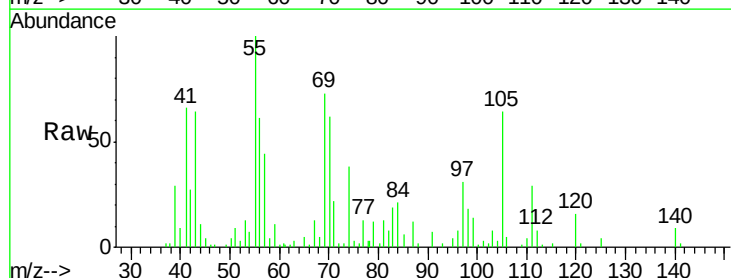
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

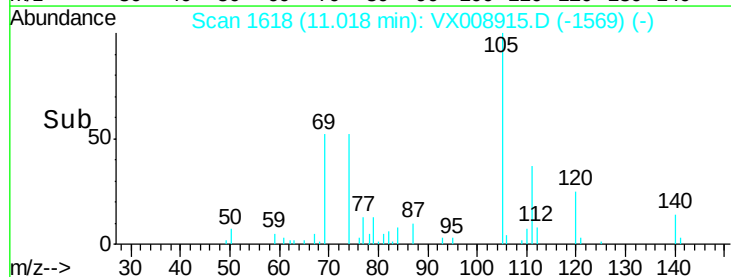
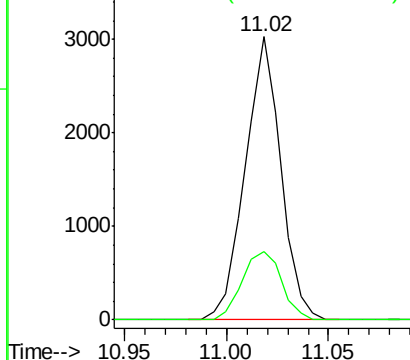
Lab File: VX008915.D

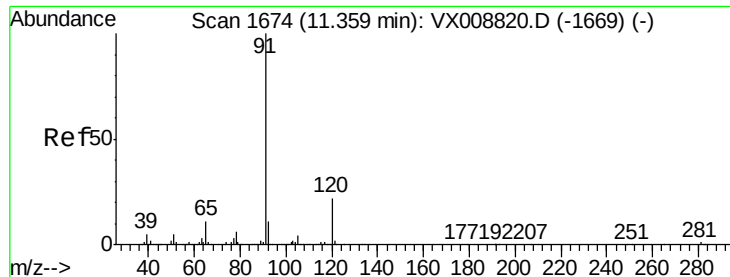
Acq: 13 Apr 2019 03:12

Tgt Ion:	105	Resp:	3671
Ion Ratio	Lower	Upper	
105	100		
120	26.8	12.9	38.6



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





#78

n-propylbenzene

Concen: 1.844 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

Tgt Ion: 91 Resp: 20456

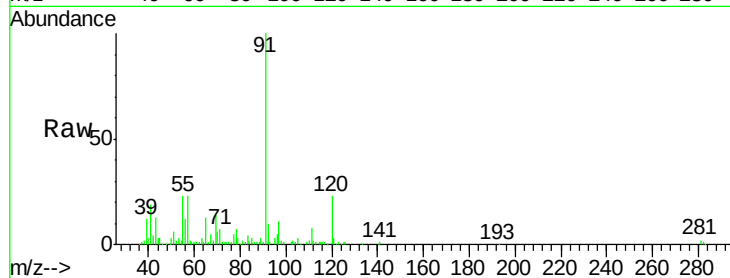
Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.7

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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1669) (-)

11.36

15000

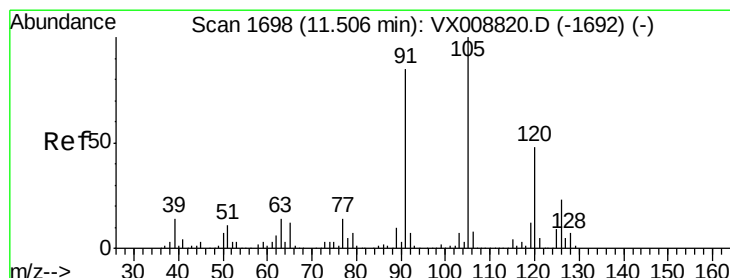
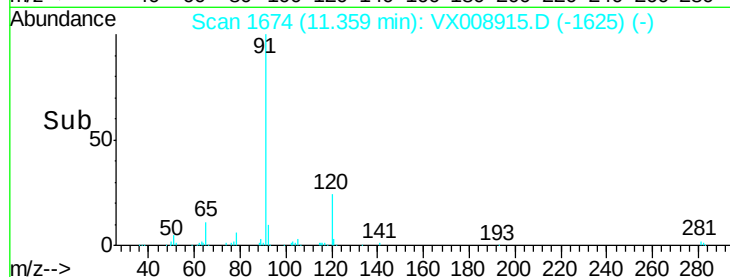
10000

5000

0

Time-->

11.30 11.35 11.40



#80

1,3,5-Trimethylbenzene

Concen: 5.753 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008915.D

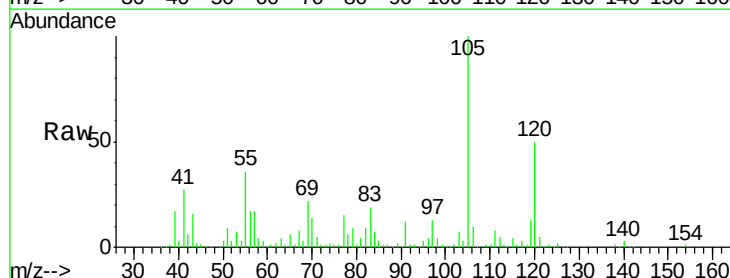
Acq: 13 Apr 2019 03:12

Tgt Ion: 105 Resp: 46004

Ion Ratio Lower Upper

105 100

120 48.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)

11.51

60000

50000

40000

30000

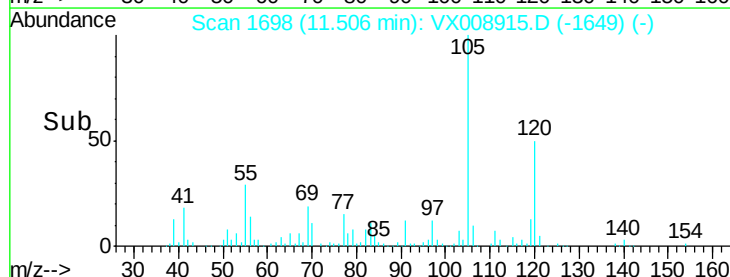
20000

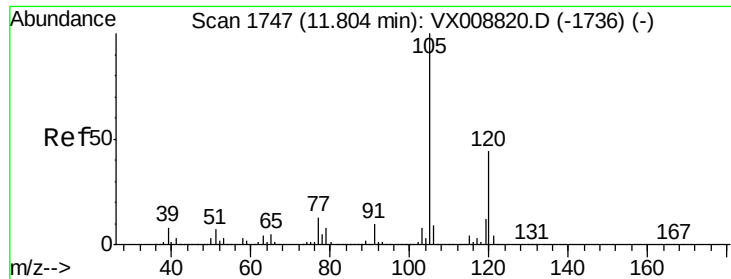
10000

0

Time-->

11.45 11.50 11.55 11.60





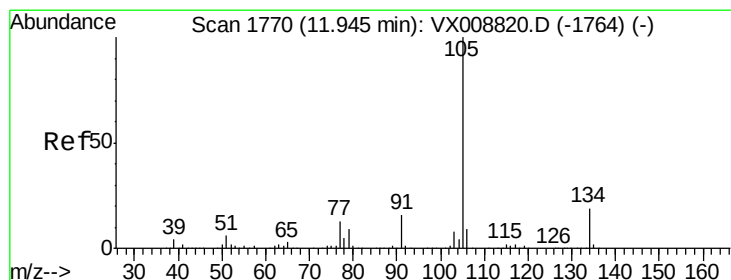
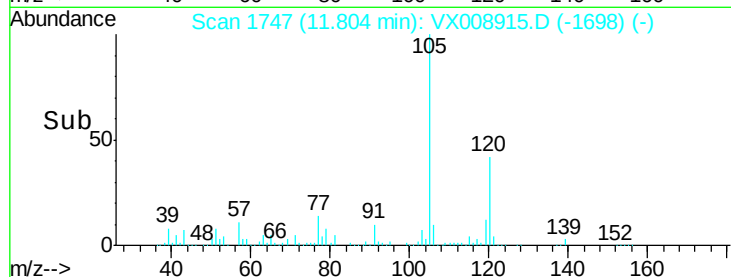
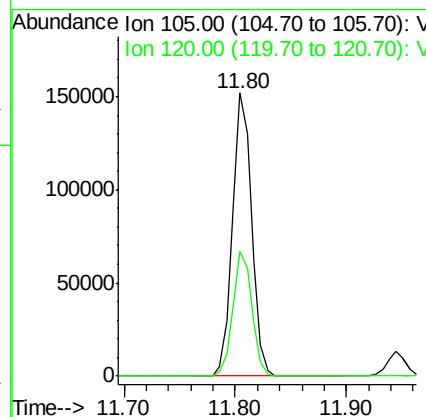
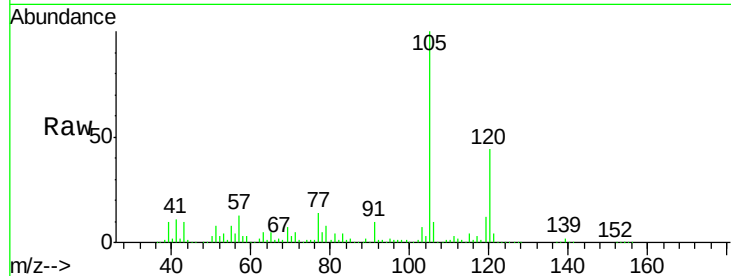
#84
 1,2,4-Trimethylbenzene
 Concen: 22.288 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

Tgt Ion:105 Resp: 180475
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.8 65.3

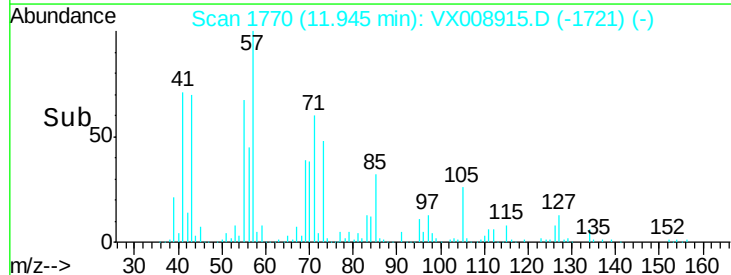
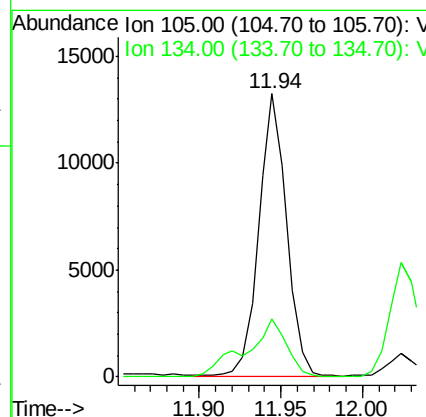
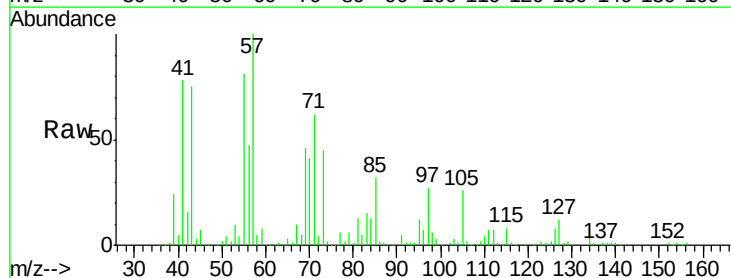
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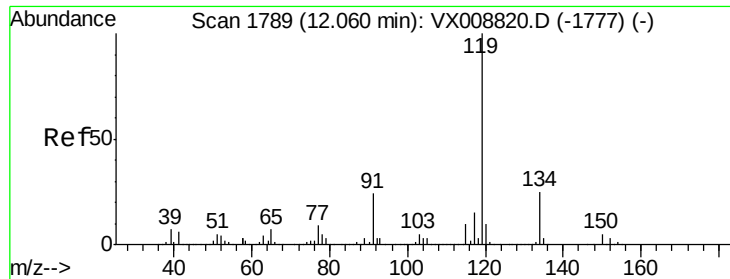
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 4/13/2019 2:12:26 PM



#85
 sec-Butylbenzene
 Concen: 1.727 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion:105 Resp: 15782
 Ion Ratio Lower Upper
 105 100
 134 30.1 9.4 28.2#





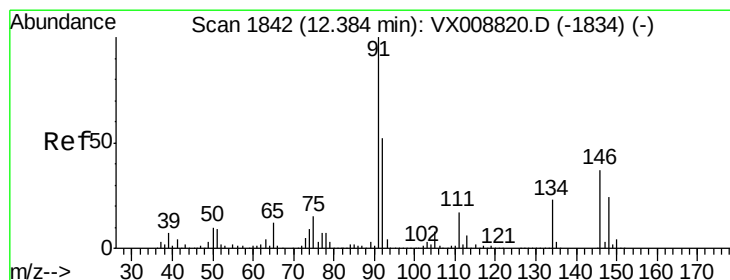
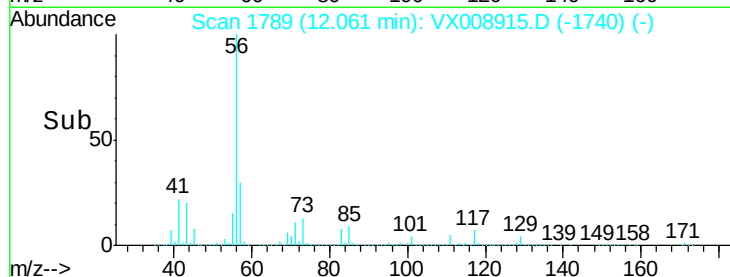
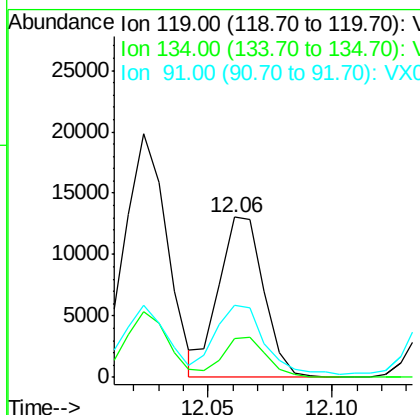
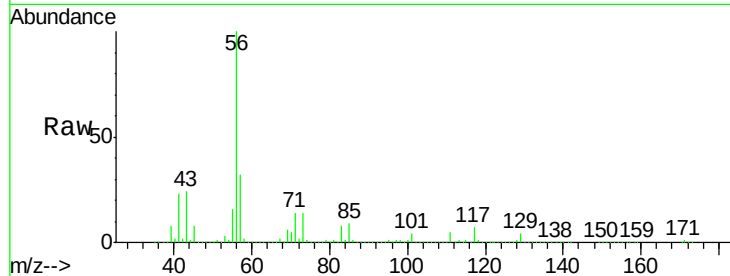
#86
p-Isopropyltoluene
Concen: 2.019 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	16564		
134	39.8	12.8	38.4#	
91	41.3	12.2	36.6#	

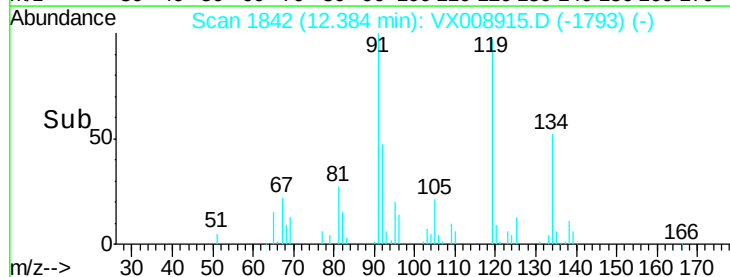
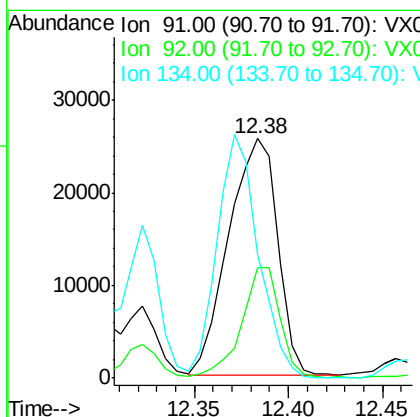
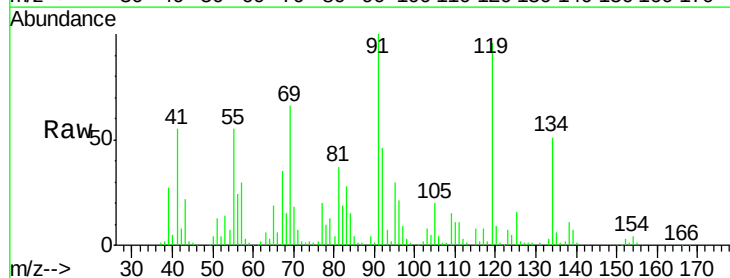
Manual Integrations
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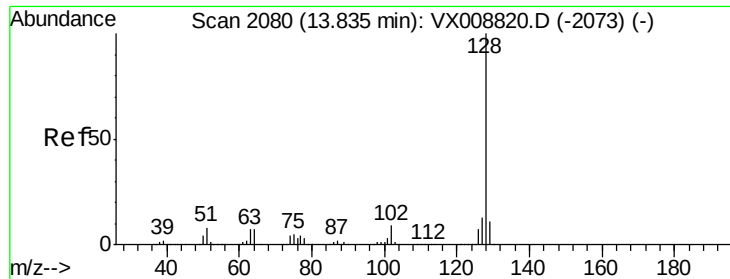
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#89
n-Butylbenzene
Concen: 5.981 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	46006		
92	36.6	26.4	79.2	
134	86.5	12.0	36.0#	





#95
Naphthalene
Concen: 27.522 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	260361		
127	13.7		10.4	15.6
129	11.3		8.6	13.0

Manual Integrations
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