

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010705.D
 Acq On : 08 Jul 2019 18:56
 Operator : JC/SP
 Sample : K3669-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:12:19 AM

Quant Time: Jul 09 11:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115859	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
35) Dibromofluoromethane	5.50	113	110404	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	426971	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	149397	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	2053	1.005	ug/l #	86
16) Acetone	2.44	43	4534	4.188	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	82640	33.298	ug/l	92
39) Methylcyclohexane	7.46	83	2423	0.649	ug/l #	75
44) Trichloroethene	7.22	130	1929	0.728	ug/l	77
64) Tetrachloroethene	9.34	164	2132	0.795	ug/l	93
65) Chlorobenzene	10.14	112	412250	61.213	ug/l	97
73) Isopropylbenzene	11.02	105	10146	0.934	ug/l	99
83) tert-Butylbenzene	11.77	119	30568	3.401	ug/l	91
85) sec-Butylbenzene	11.94	105	30441	2.885	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	1916	0.362	ug/l	92
88) 1,4-Dichlorobenzene	12.10	146	5173m	0.960	ug/l	

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

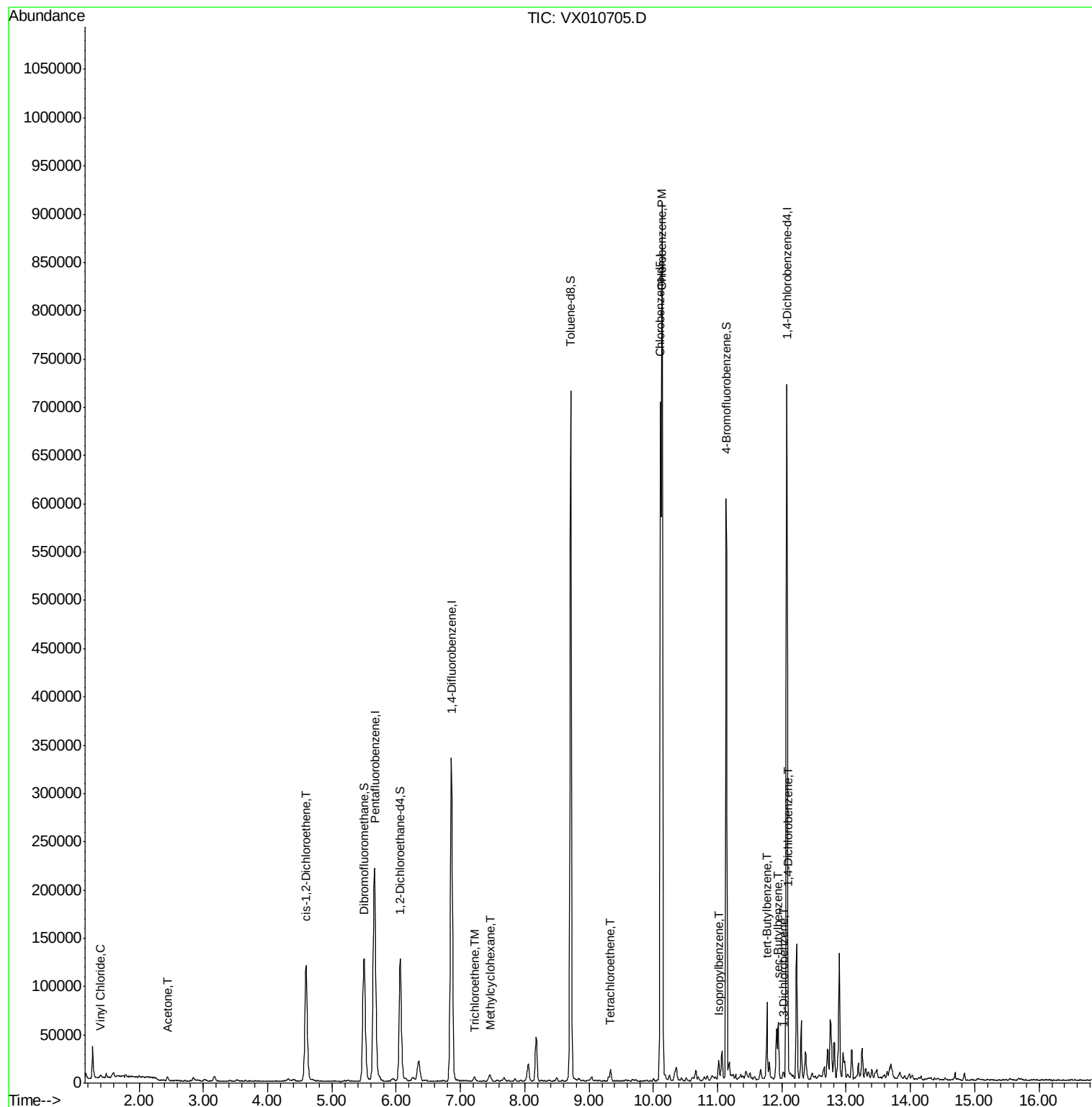
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
Data File : VX010705.D
Acq On : 08 Jul 2019 18:56
Operator : JC/SP
Sample : K3669-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

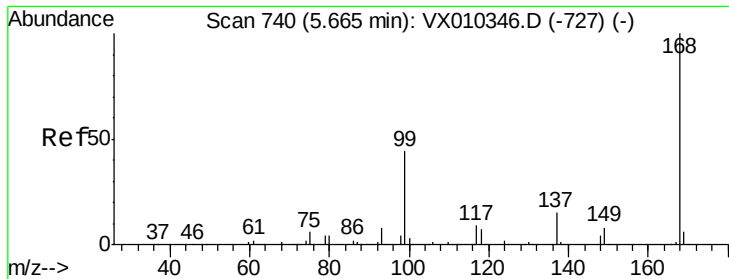
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jul 09 11:08:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

Tgt Ion: 168 Resp: 230381

Ion Ratio Lower Upper

168 100

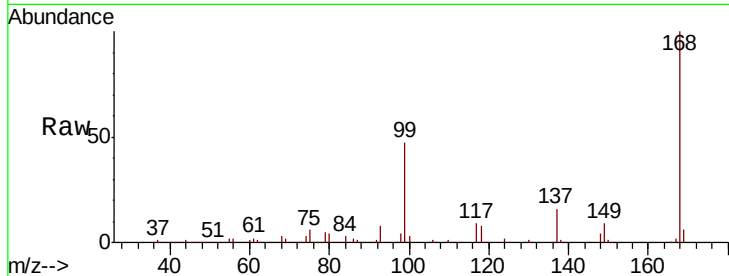
99 47.4 35.5 53.3

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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

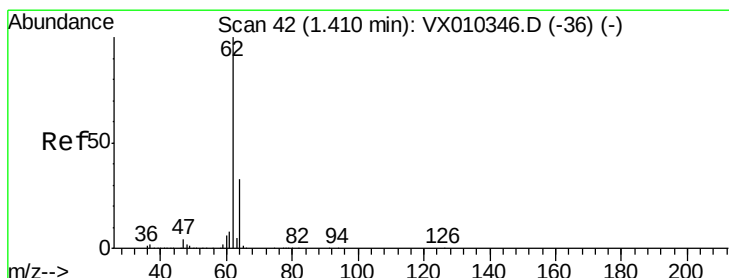
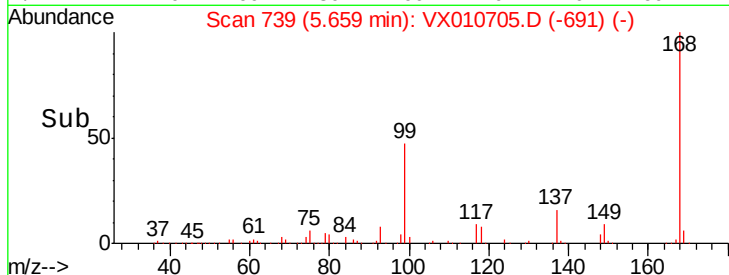
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.005 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010705.D

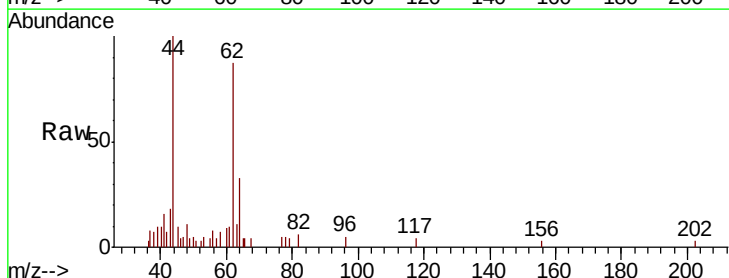
Acq: 08 Jul 2019 18:56

Tgt Ion: 62 Resp: 2053

Ion Ratio Lower Upper

62 100

64 24.9 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2000

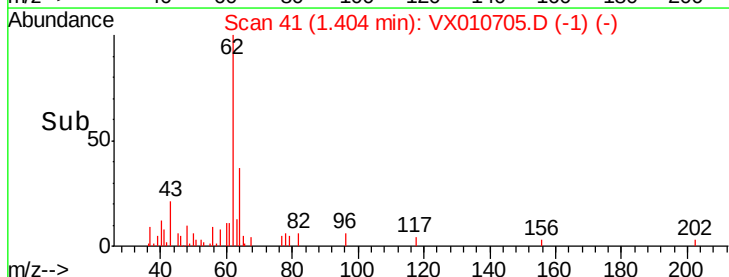
1500

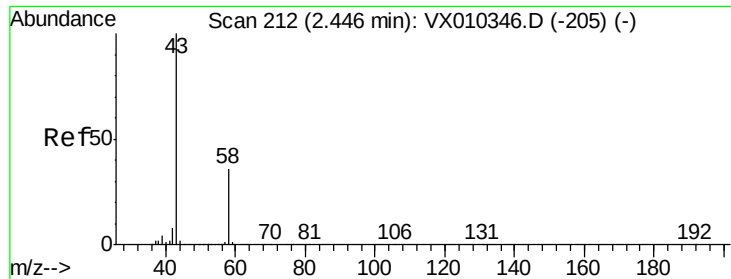
1000

500

0

Time--> 1.35 1.40 1.45





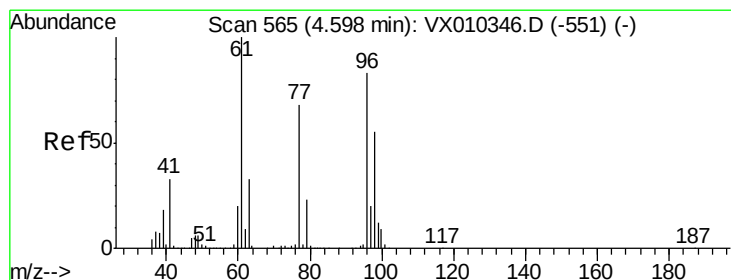
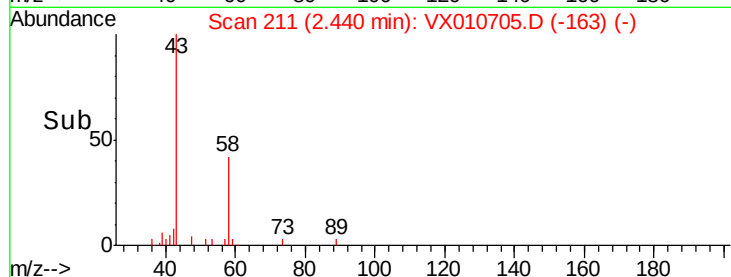
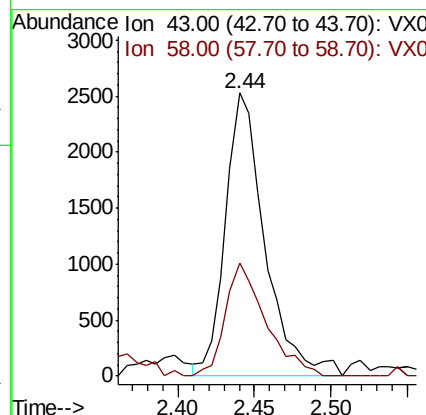
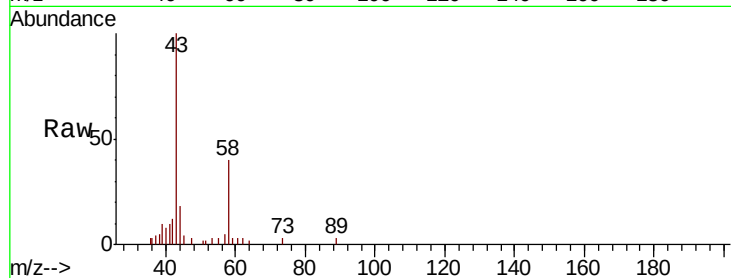
#16
Acetone
Concen: 4.188 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010705.D
Acq: 08 Jul 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-190702

Tgt Ion: 43 Resp: 4534
Ion Ratio Lower Upper
43 100
58 40.2 28.9 43.3

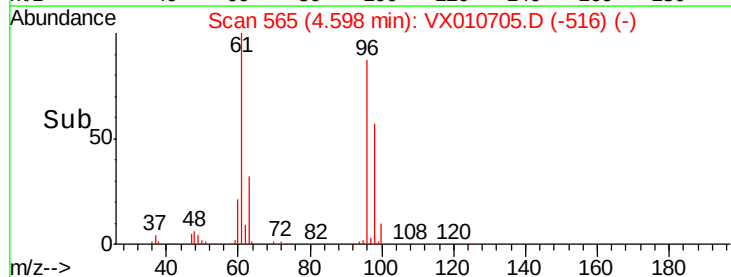
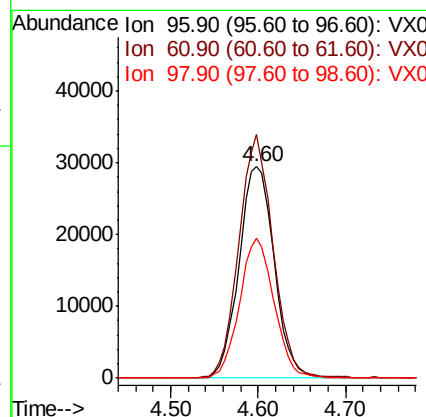
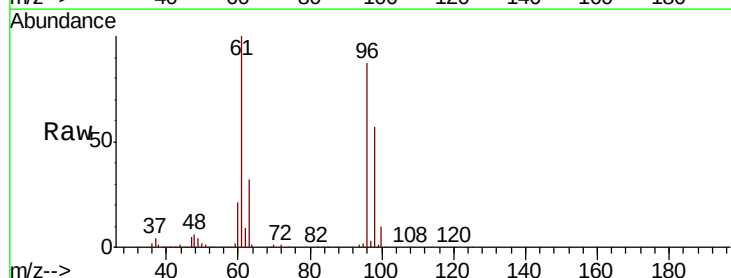
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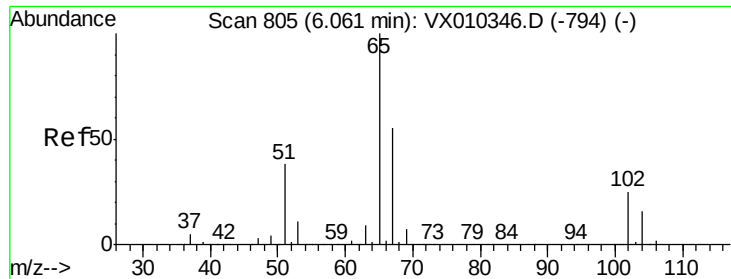
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#27
cis-1,2-Dichloroethene
Concen: 33.298 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010705.D
Acq: 08 Jul 2019 18:56

Tgt Ion: 96 Resp: 82640
Ion Ratio Lower Upper
96 100
61 111.4 0.0 251.8
98 64.5 0.0 129.4





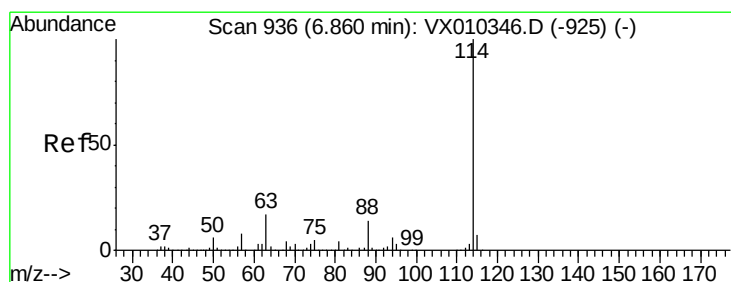
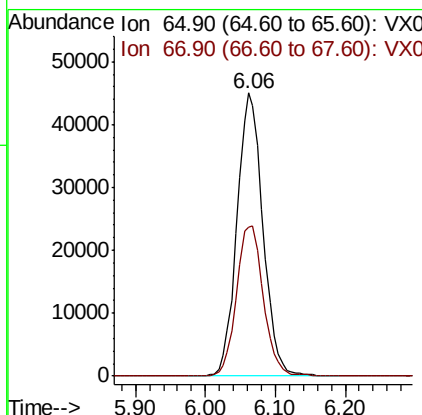
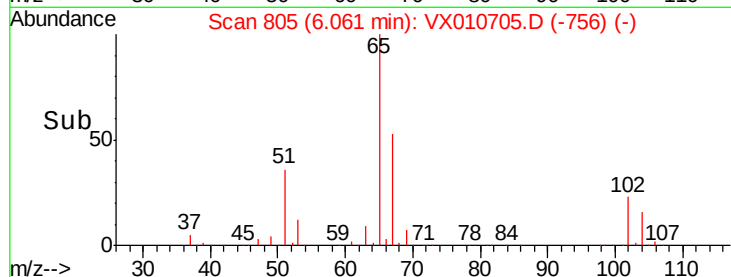
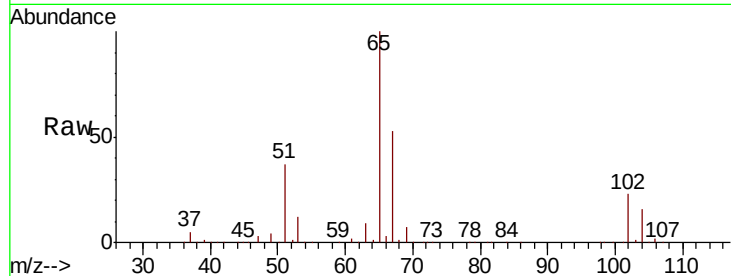
#33
 1,2-Dichloroethane-d4
 Concen: 53.637 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010705.D
 Acq: 08 Jul 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

Tgt Ion: 65 Resp: 115859
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.2

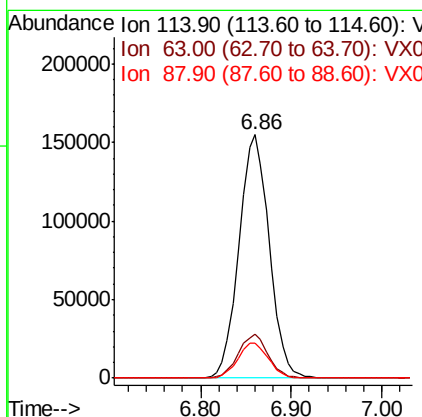
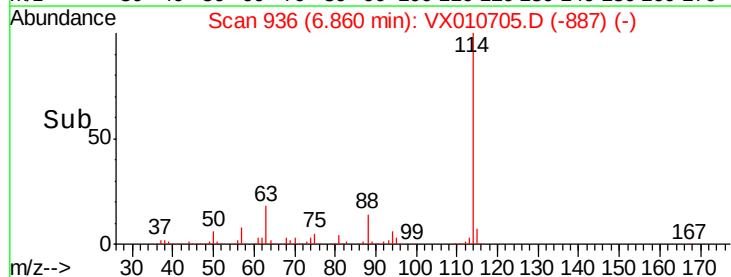
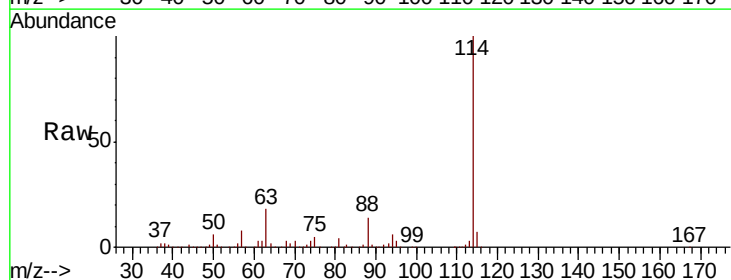
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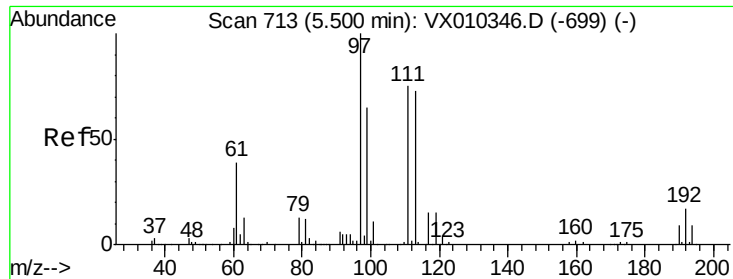
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010705.D
 Acq: 08 Jul 2019 18:56

Tgt Ion: 114 Resp: 357619
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 33.8
 88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.458 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

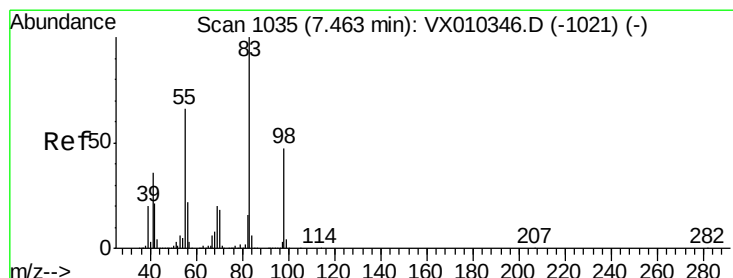
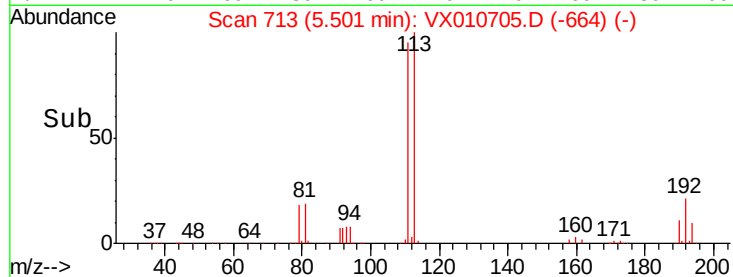
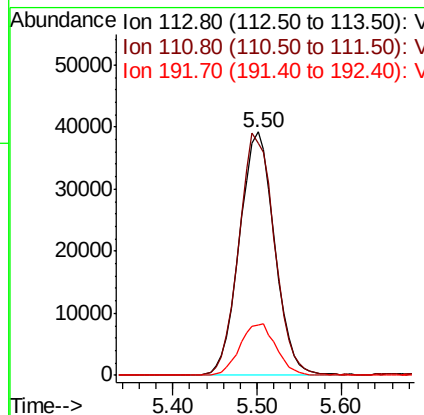
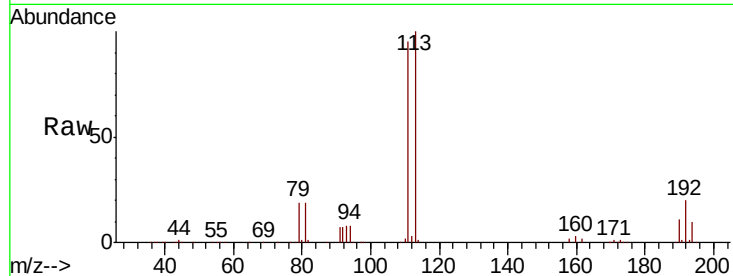
ClientSampleId :

SS038RW151-190702

Tgt Ion:	113	Resp:	110404
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.2	121.8
192	21.9	18.6	27.8

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#39

Methylcyclohexane

Concen: 0.649 ug/l

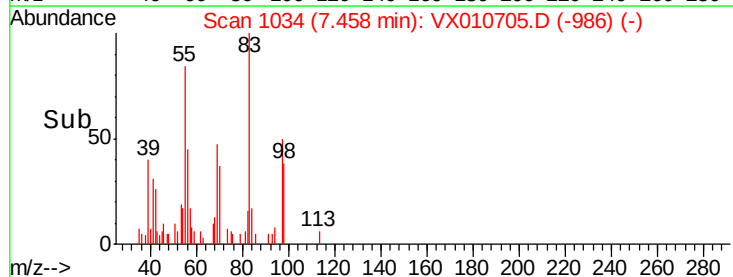
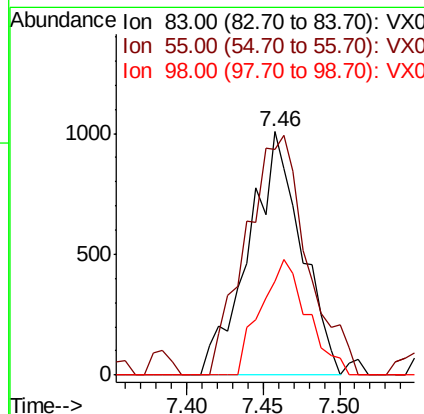
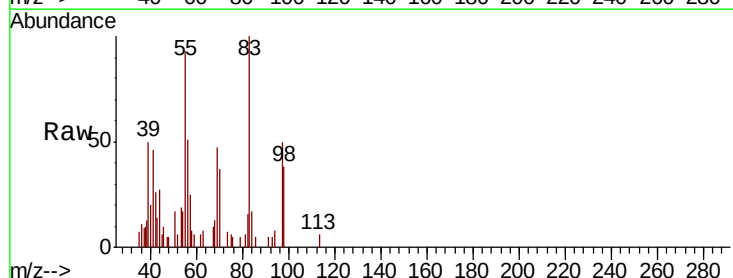
RT: 7.46 min Scan# 1034

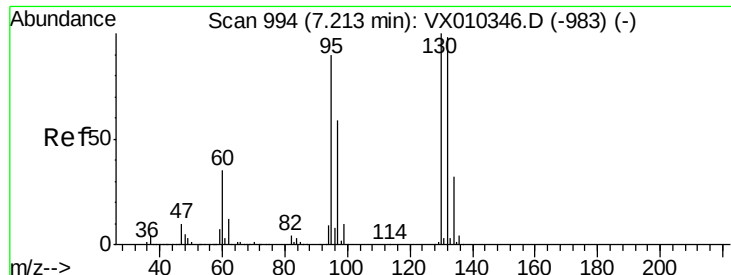
Delta R.T. -0.01 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Tgt Ion:	83	Resp:	2423
Ion Ratio	Lower	Upper	
83	100		
55	92.9	53.0	79.6#
98	38.4	37.8	56.8





#44

Trichloroethene

Concen: 0.728 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

Tgt Ion:130 Resp: 1929

Ion Ratio Lower Upper

130 100

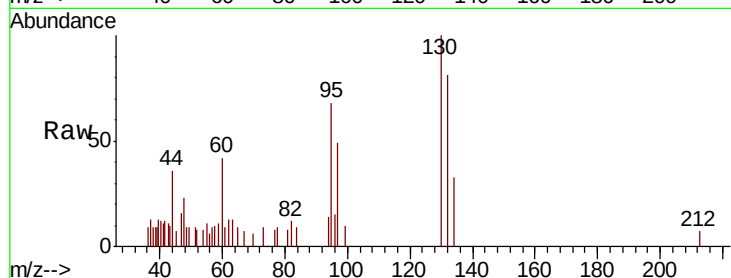
95 68.2 0.0 180.8

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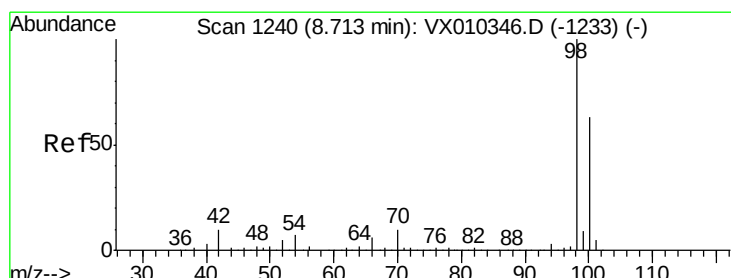
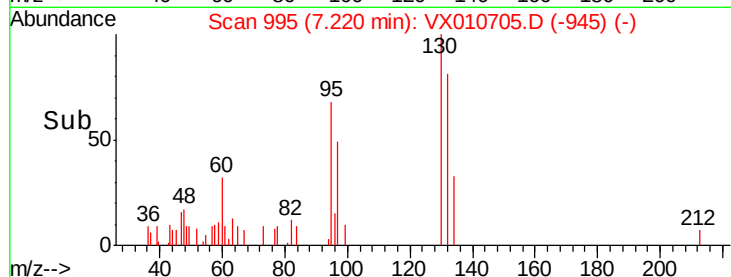
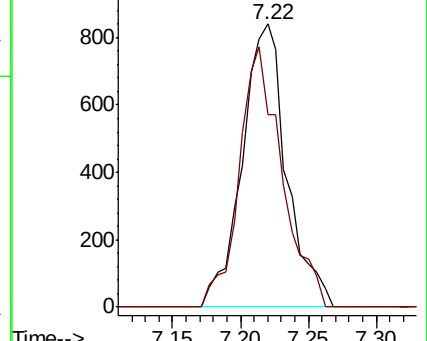
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.006 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010705.D

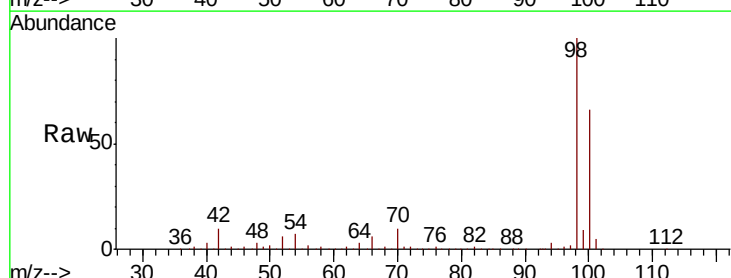
Acq: 08 Jul 2019 18:56

Tgt Ion: 98 Resp: 426971

Ion Ratio Lower Upper

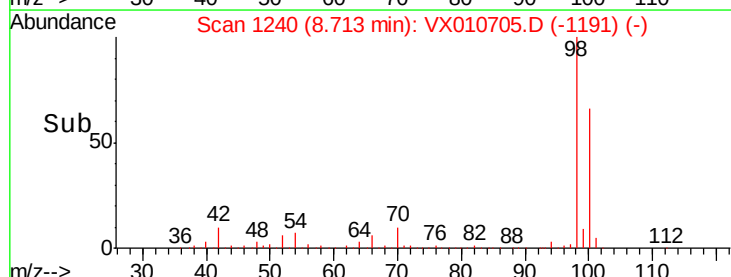
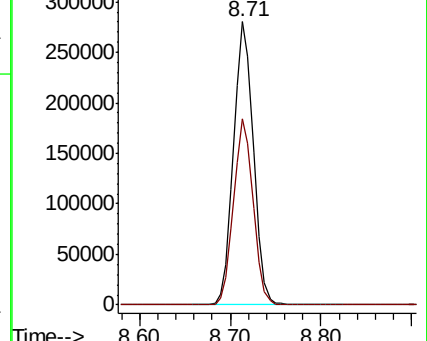
98 100

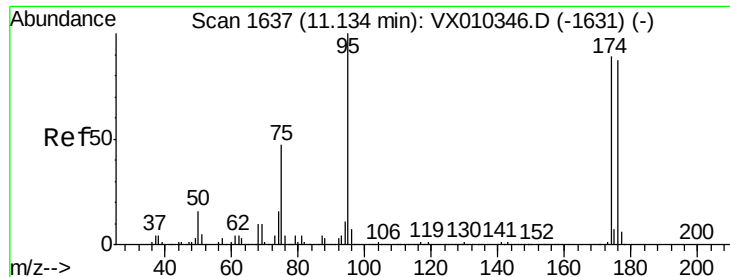
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





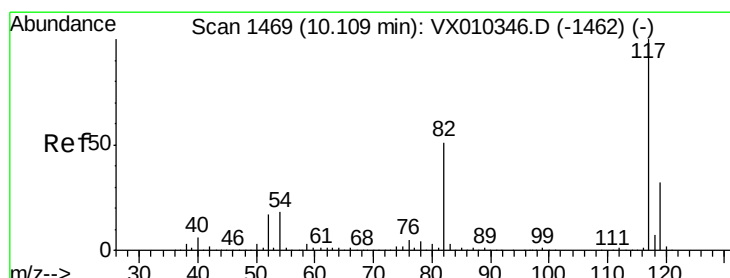
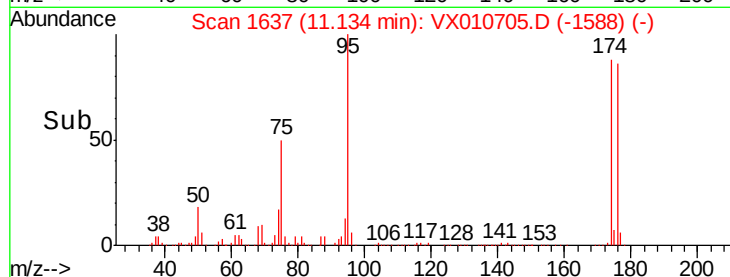
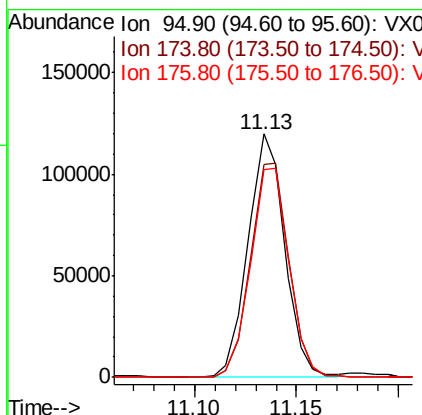
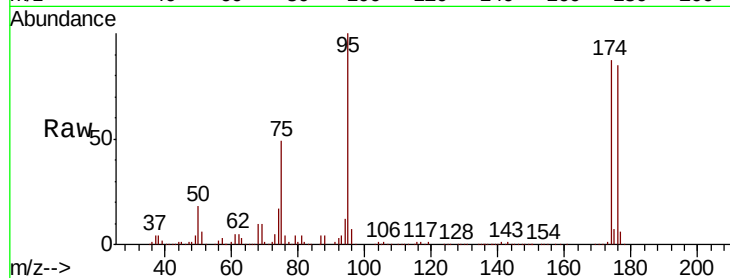
#62
4-Bromofluorobenzene
Concen: 49.434 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010705.D
Acq: 08 Jul 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-190702

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	149397		
174	92.9	0.0	187.6	
176	90.9	0.0	184.0	

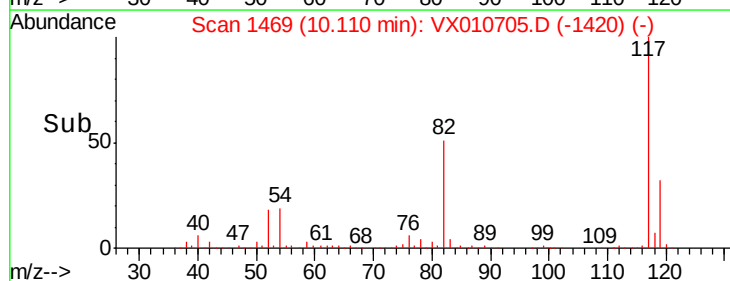
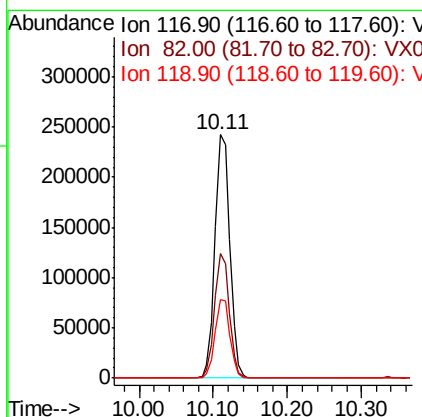
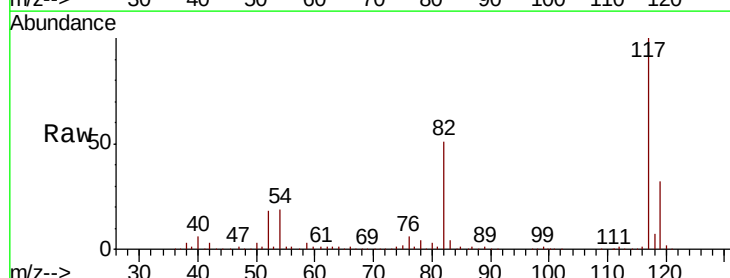
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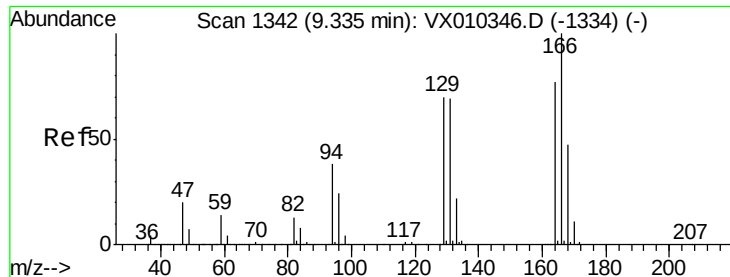
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010705.D
Acq: 08 Jul 2019 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	331725		
82	51.3	41.2	61.8	
119	32.3	25.5	38.3	





#64

Tetrachloroethene

Concen: 0.795 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

Tgt Ion:164 Resp: 2132

Ion Ratio Lower Upper

164 100

166 138.8 103.6 155.4

129 93.2 73.0 109.4

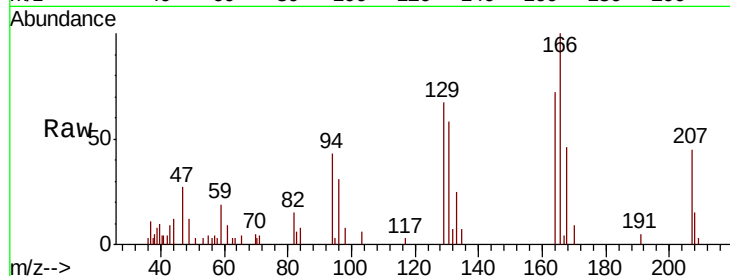
131 79.9 71.0 106.4

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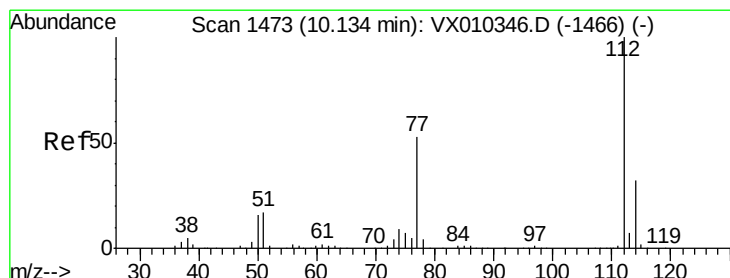
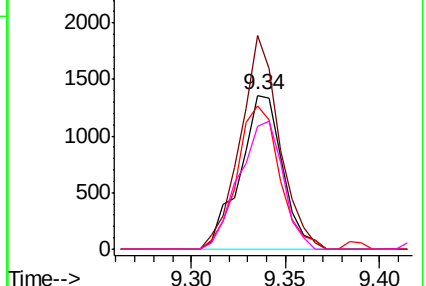
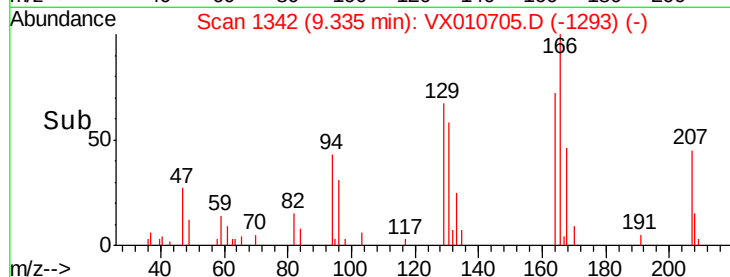


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 61.213 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010705.D

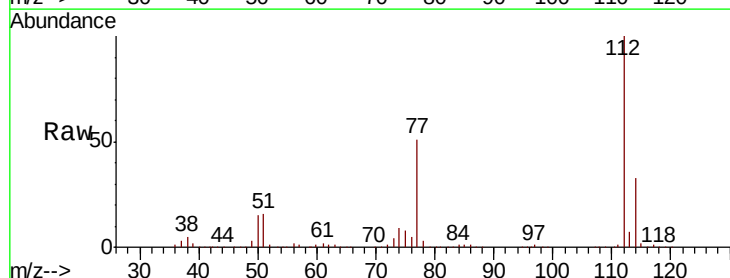
Acq: 08 Jul 2019 18:56

Tgt Ion:112 Resp: 412250

Ion Ratio Lower Upper

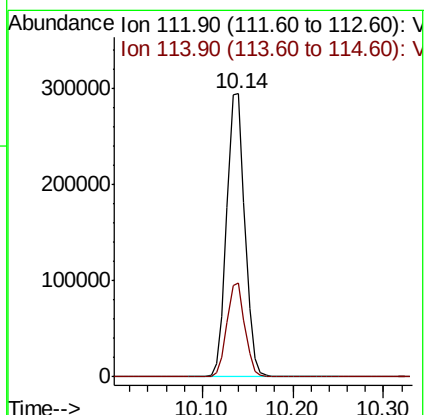
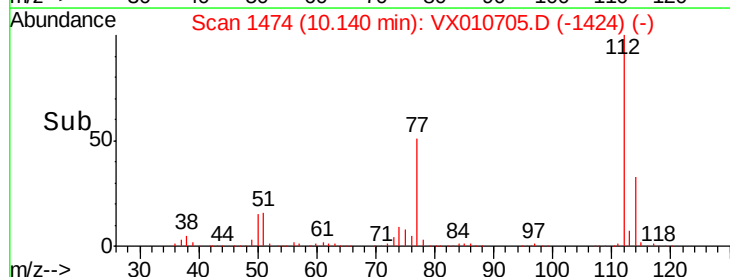
112 100

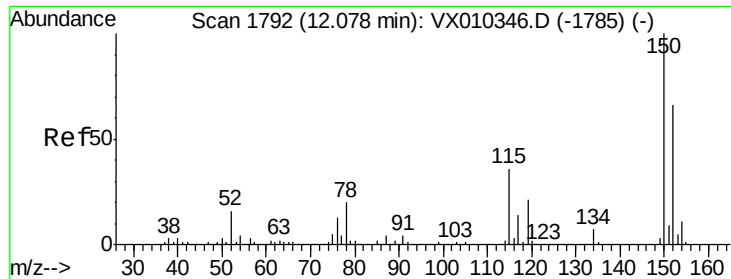
114 33.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

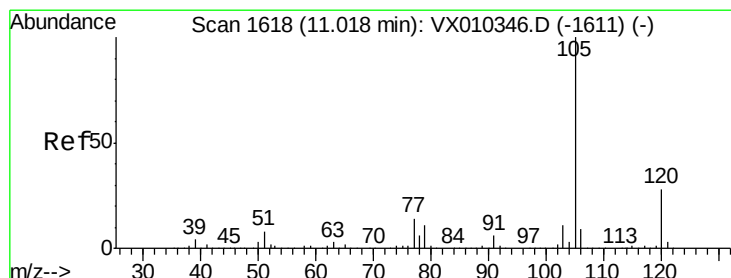
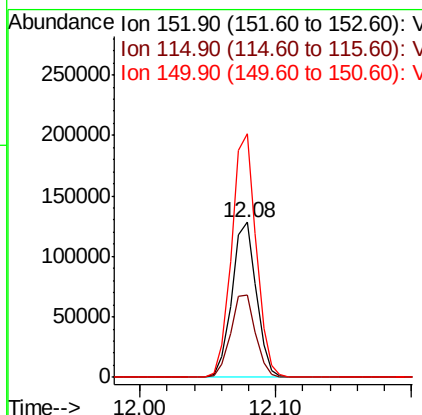
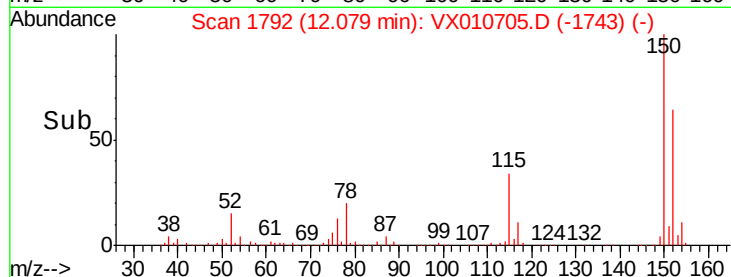
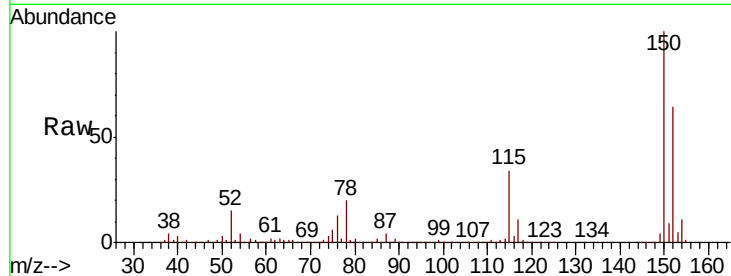
ClientSampleId :

SS038RW151-190702

Tgt Ion:	152	Resp:	160231
Ion Ratio	Lower	Upper	
152	100		
115	54.5	38.6	115.7
150	157.4	0.0	347.4

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#73

Isopropylbenzene

Concen: 0.934 ug/l

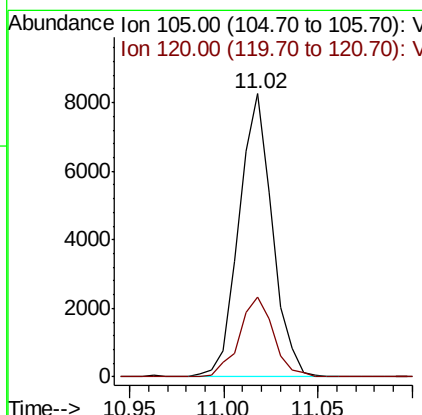
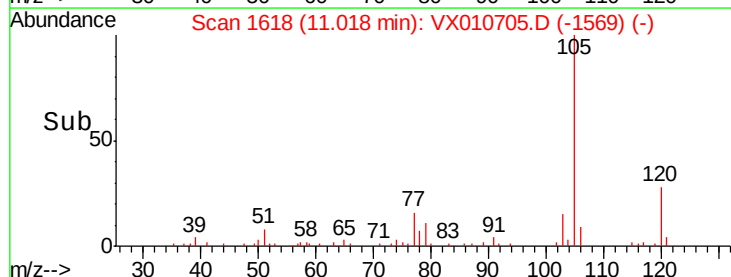
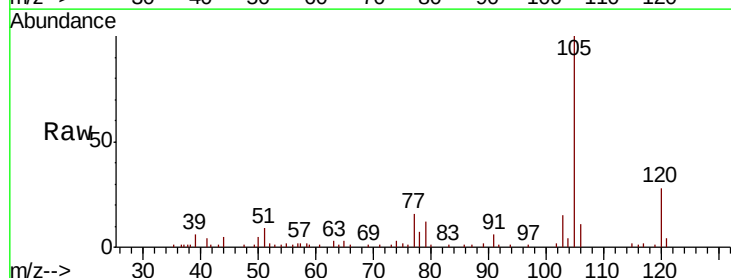
RT: 11.02 min Scan# 1618

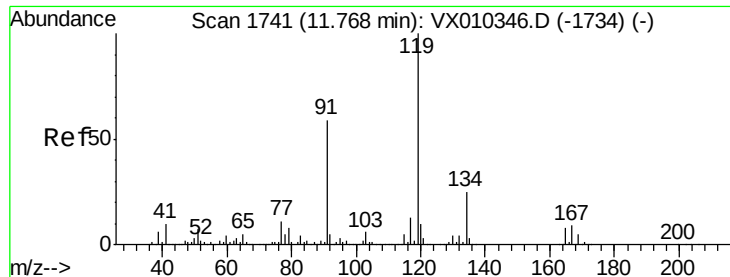
Delta R.T. 0.00 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Tgt Ion:	105	Resp:	10146
Ion Ratio	Lower	Upper	
105	100		
120	28.9	14.1	42.4





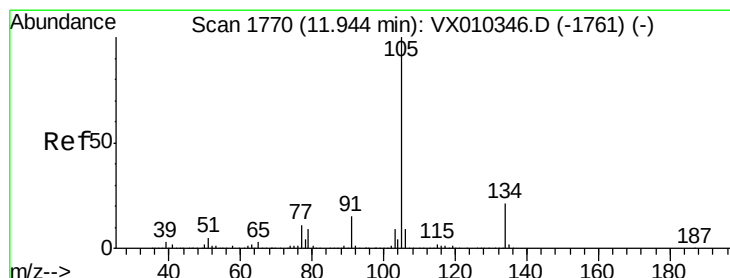
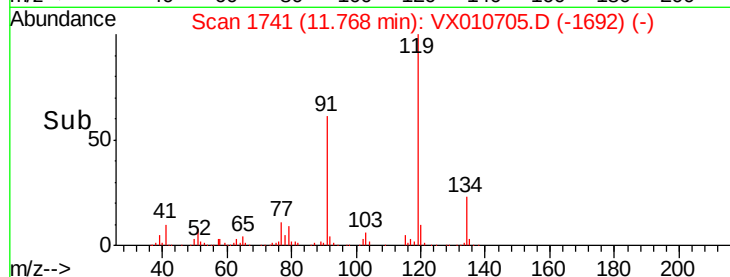
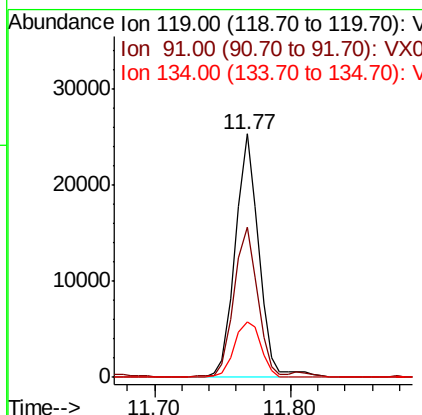
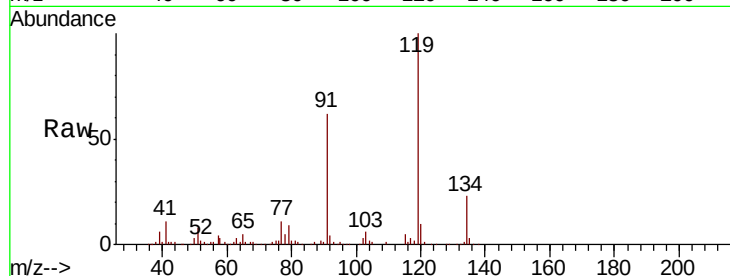
#83
 tert-Butylbenzene
 Concen: 3.401 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010705.D
 Acq: 08 Jul 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.9	27.6	82.7
134	25.9	11.8	35.4

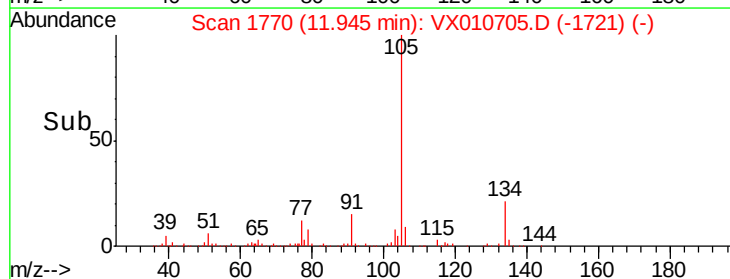
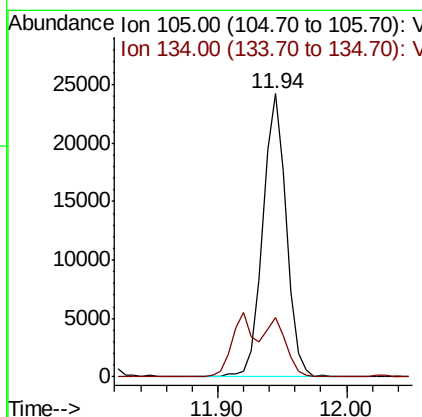
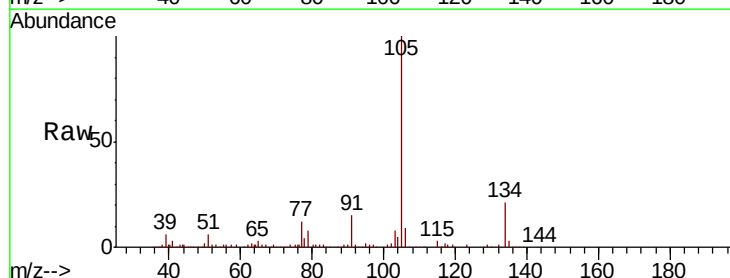
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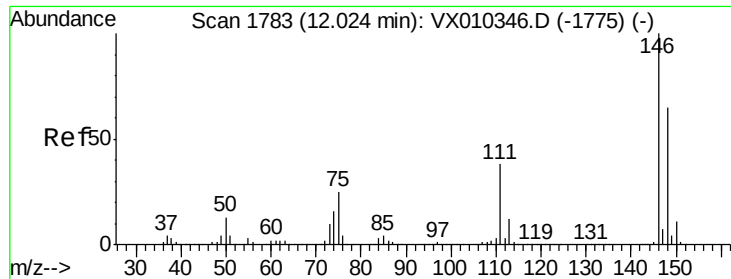
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#85
 sec-Butylbenzene
 Concen: 2.885 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010705.D
 Acq: 08 Jul 2019 18:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.0	10.7	31.9





#87

1,3-Dichlorobenzene

Concen: 0.362 ug/l

RT: 12.02 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Instrument :

MSVOA_X

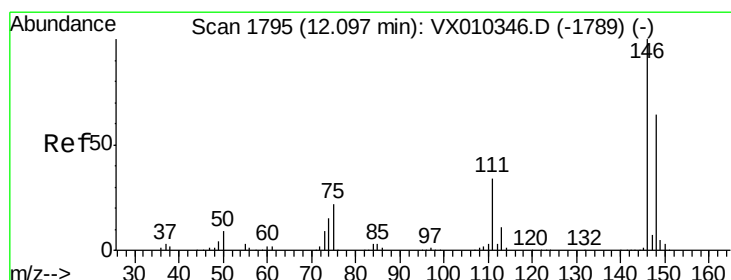
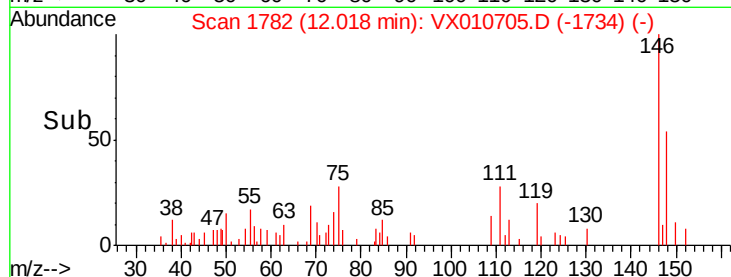
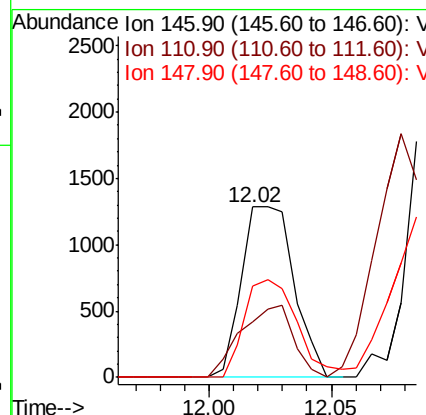
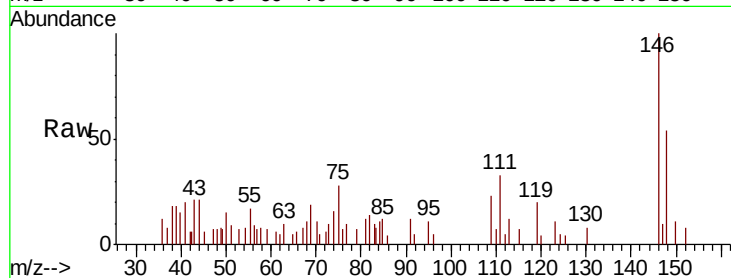
ClientSampleId :

SS038RW151-190702

Tgt Ion:	146	Resp:	1916
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.1	57.1
148	57.8	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.960 ug/l m

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010705.D

Acq: 08 Jul 2019 18:56

Tgt Ion:	146	Resp:	5173
Ion Ratio	Lower	Upper	
146	100		
111	15.7	18.1	54.3#
148	21.4	32.1	96.3#

