

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007153.D
 Acq On : 21 Jan 2019 12:43
 Operator : JC/SP
 Sample : K1198-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Manual Integrations
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 1/22/2019 10:56:10 AM

Quant Time: Jan 25 03:33:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	558447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	848147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	788387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	395050	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	295430	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
35) Dibromofluoromethane	5.50	113	269623	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
50) Toluene-d8	8.71	98	1009794	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	365345	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.73	64	96932	24.173	ug/l	97
12) 1,1-Dichloroethene	2.38	96	48987	9.544	ug/l	100
24) 1,1-Dichloroethane	3.70	63	1633385	176.643	ug/l	99
40) Benzene	6.15	78	18934	0.842	ug/l	97
52) Toluene	8.78	92	5342	0.369	ug/l	90
73) Isopropylbenzene	11.02	105	15936	0.572	ug/l	98
83) tert-Butylbenzene	11.77	119	11446	0.493	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	19877	0.849	ug/l	99
85) sec-Butylbenzene	11.94	105	40492	1.460	ug/l	86
88) 1,4-Dichlorobenzene	12.10	146	19164m	1.599	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	11710	0.855	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	16134	1.718	ug/l	92
96) 1,2,3-Trichlorobenzene	14.02	180	5968	0.640	ug/l #	81

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

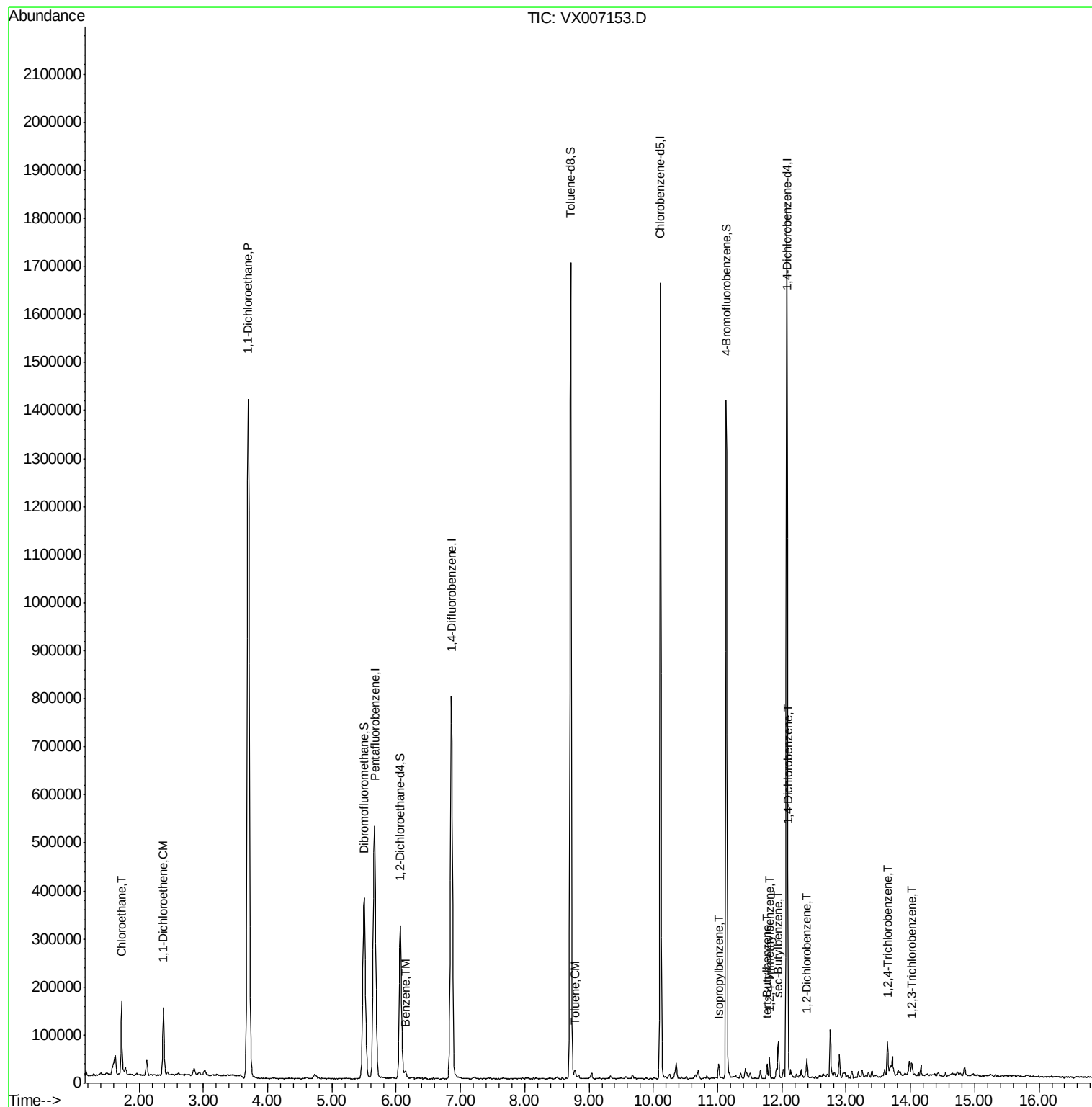
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012119\
Data File : VX007153.D
Acq On : 21 Jan 2019 12:43
Operator : JC/SP
Sample : K1198-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

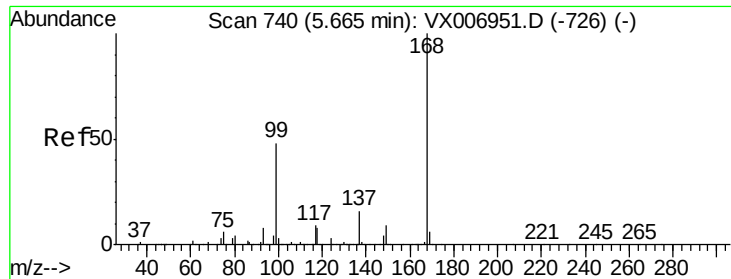
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jan 25 03:33:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

SA-TW522-3337

Tot Ion:168 Resp: 558447

Ion Ratio Lower Upper

168 100

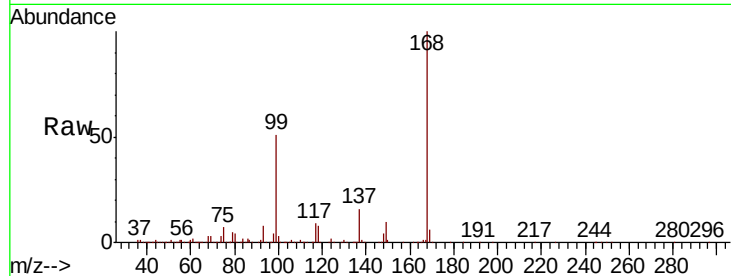
99 51.1 41.8 62.8

Manual Integrations

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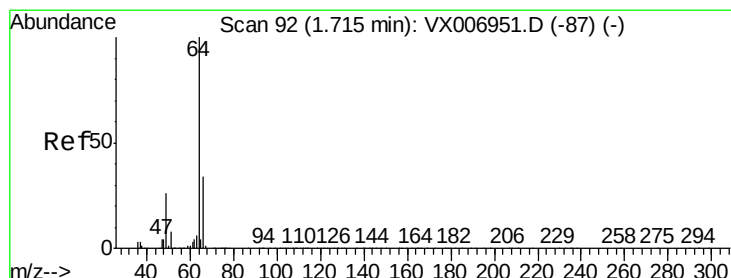
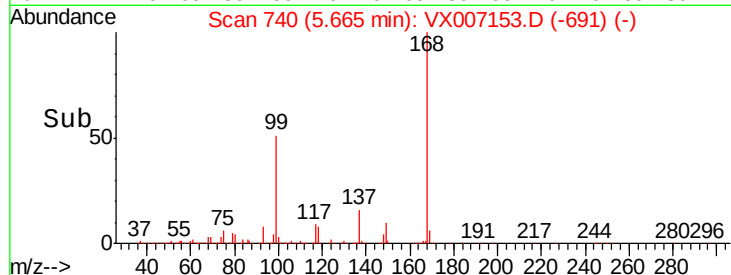
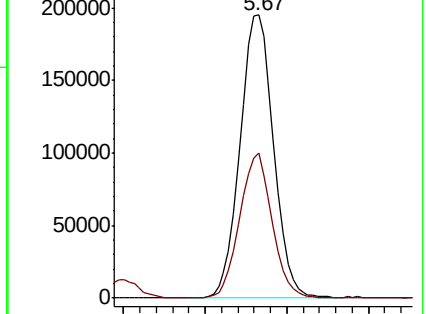
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 24.173 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007153.D

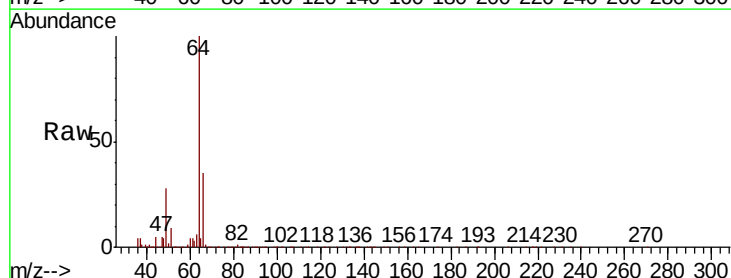
Acq: 21 Jan 2019 12:43

Tgt Ion: 64 Resp: 96932

Ion Ratio Lower Upper

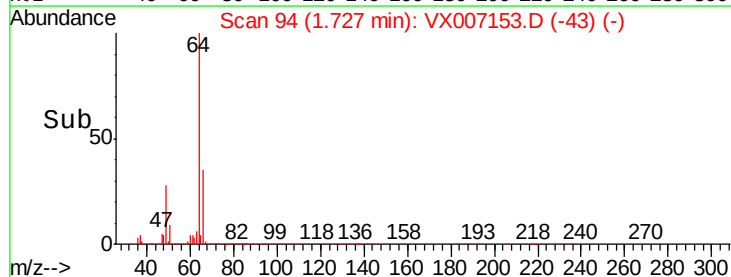
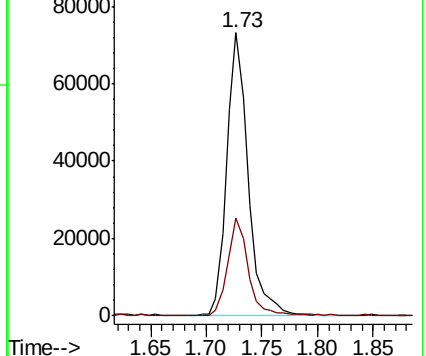
64 100

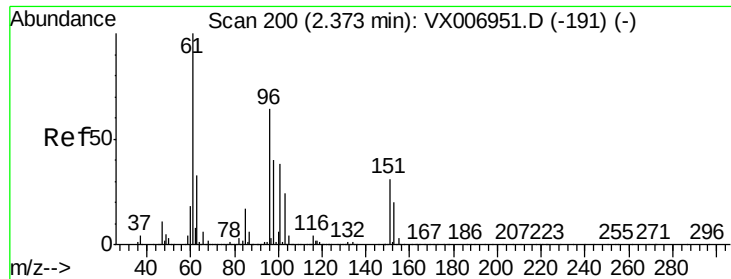
66 34.6 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





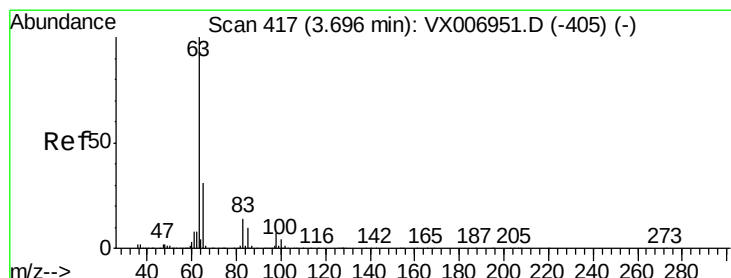
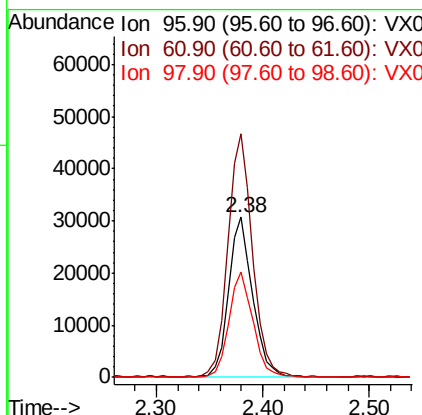
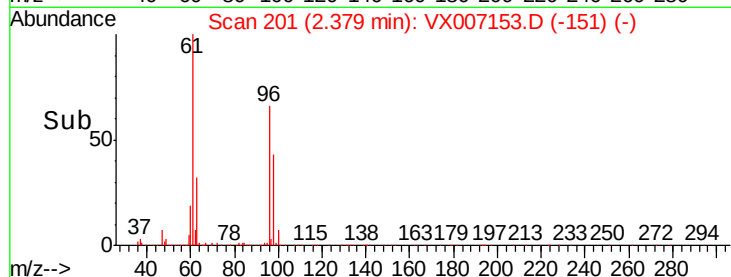
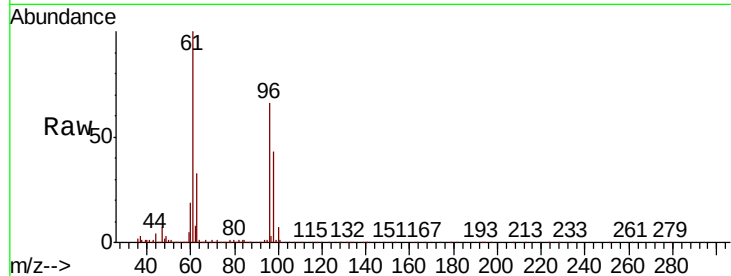
#12
 1,1-Dichloroethene
 Concen: 9.544 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	121.4	182.2
98	65.3	51.9	77.9

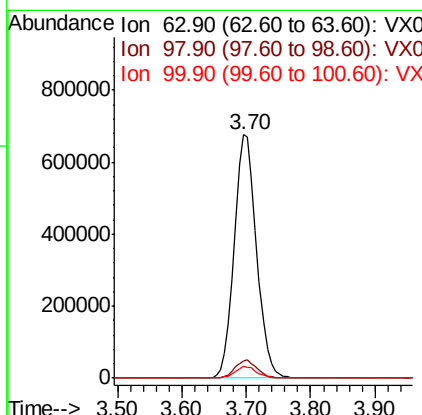
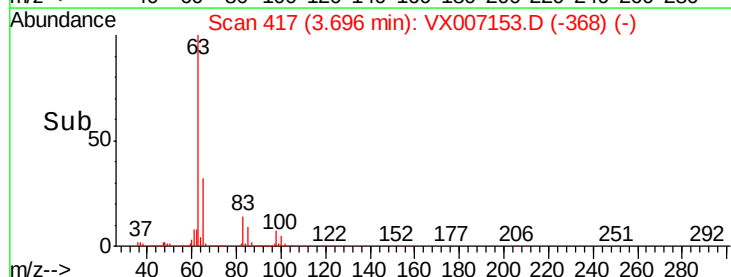
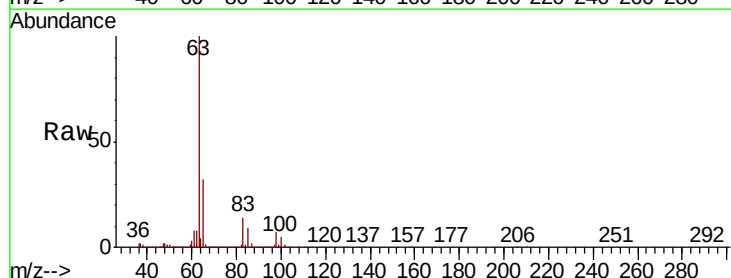
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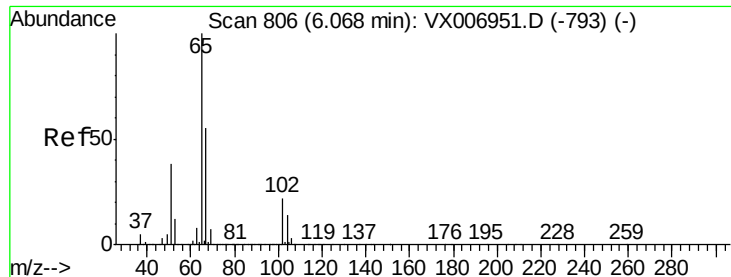
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#24
 1,1-Dichloroethane
 Concen: 176.643 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.9	11.5
100	4.7	2.4	7.2





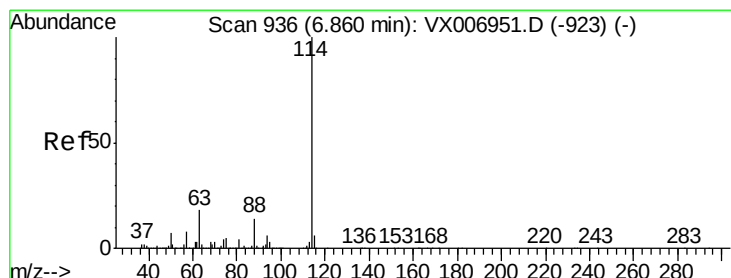
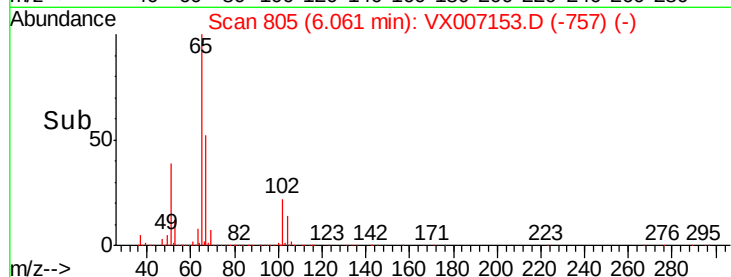
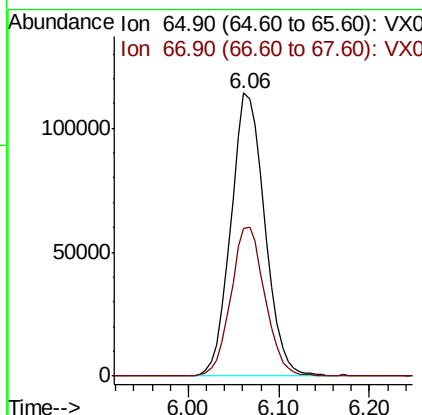
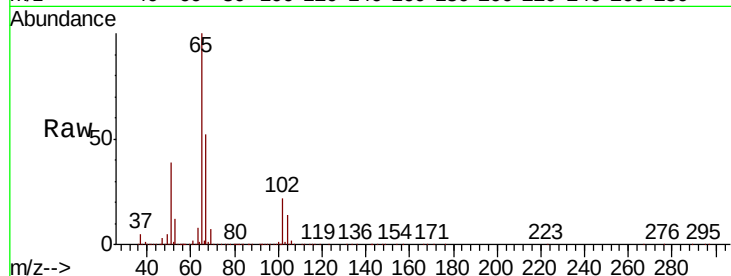
#33
 1,2-Dichloroethane-d4
 Concen: 50.620 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.0

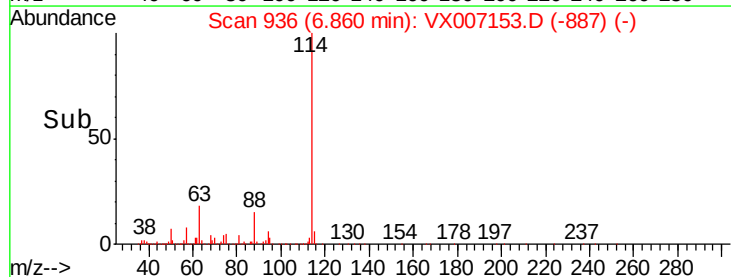
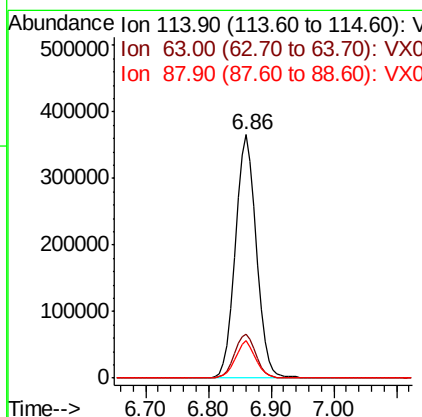
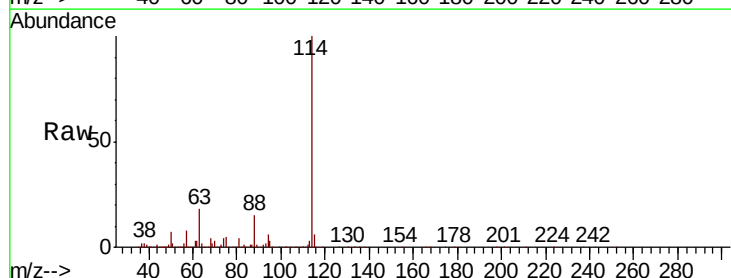
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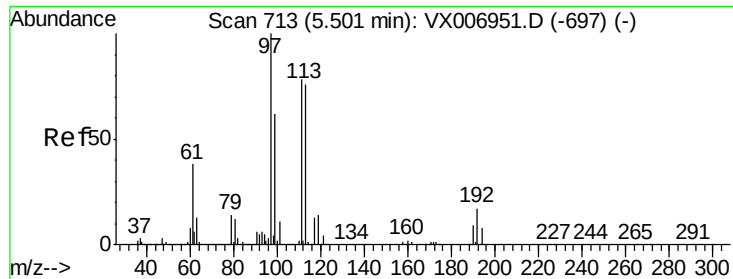
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.8
88	15.2	0.0	28.8





#35

Dibromofluoromethane

Concen: 49.641 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Instrument :

MSVOA_X

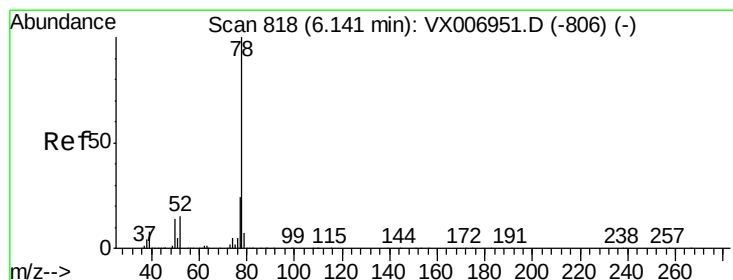
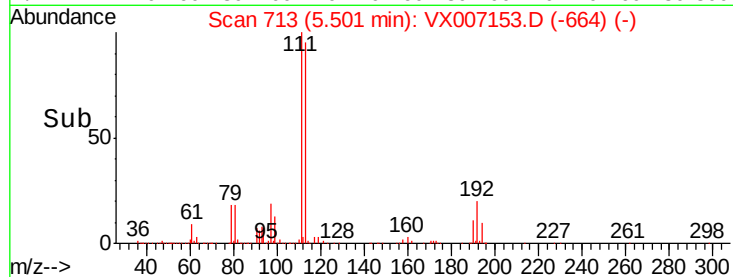
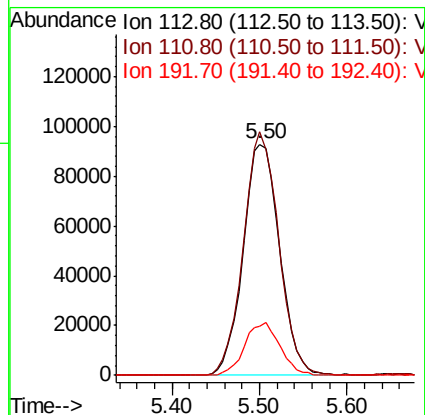
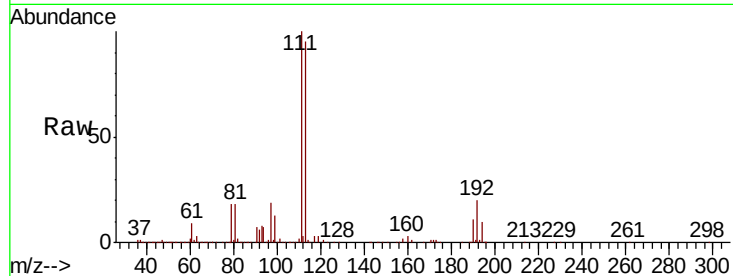
ClientSampleId :

SA-TW522-3337

Tot Ion:	113	Resp:	269623
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.6	122.4
192	22.3	16.7	25.1

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#40

Benzene

Concen: 0.842 ug/l

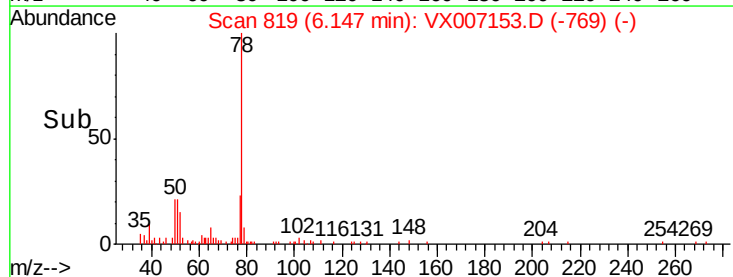
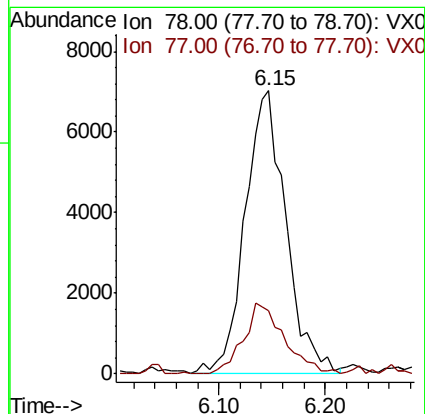
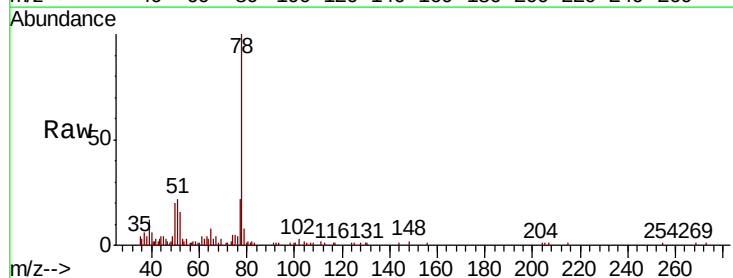
RT: 6.15 min Scan# 819

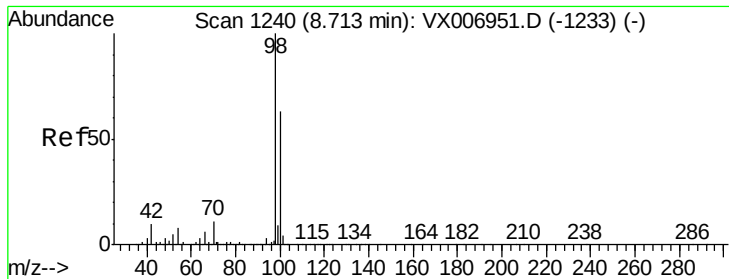
Delta R.T. 0.01 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Tgt Ion:	78	Resp:	18934
Ion Ratio	Lower	Upper	
78	100		
77	22.5	19.2	28.8





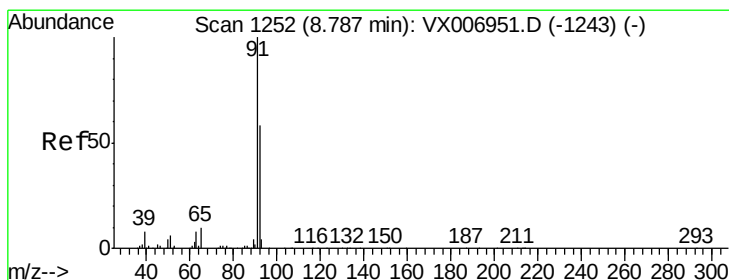
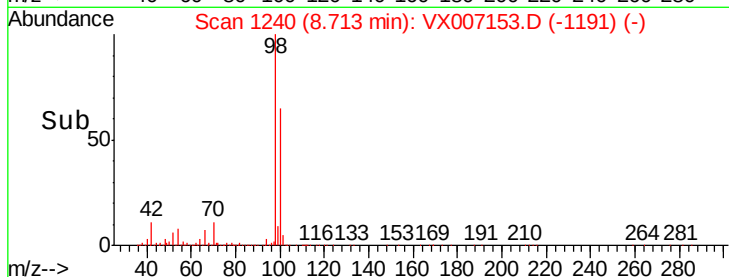
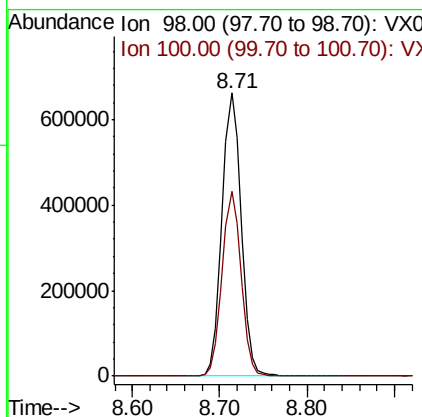
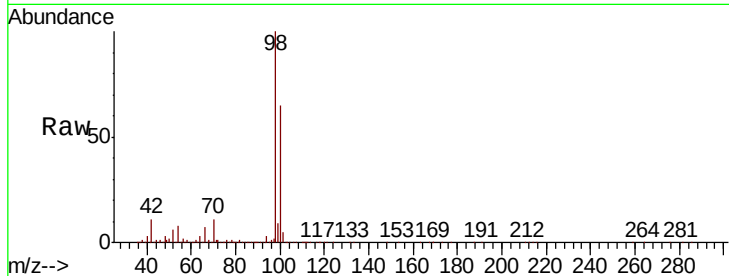
#50
Toluene-d8
Concen: 50.792 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007153.D
Acq: 21 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
SA-TW522-3337

Tot Ion: 98 Resp: 1009794
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

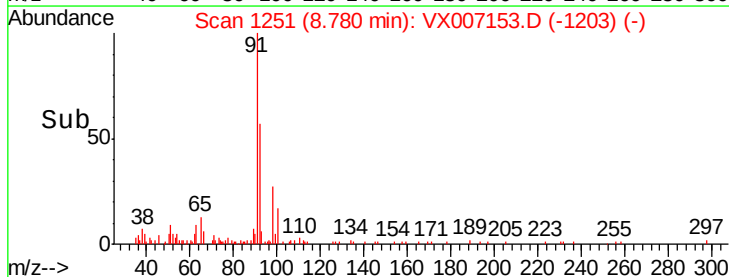
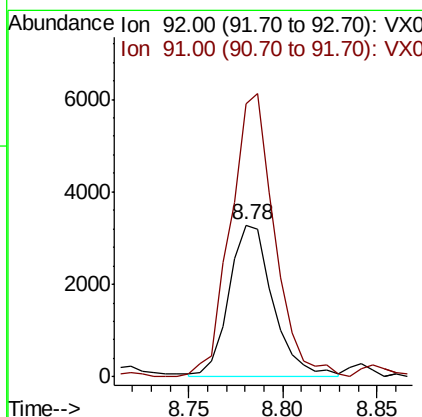
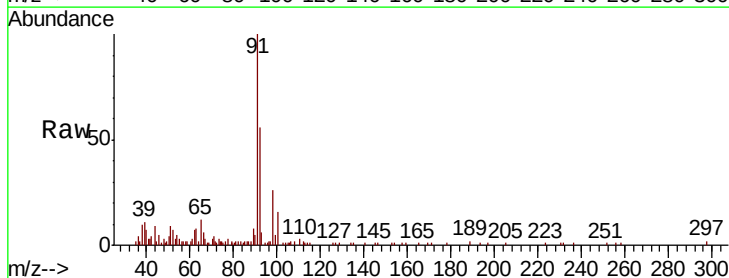
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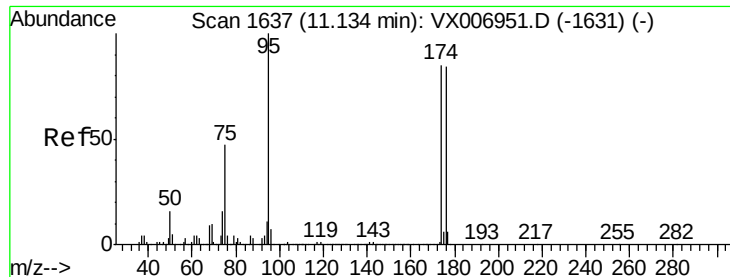
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#52
Toluene
Concen: 0.369 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007153.D
Acq: 21 Jan 2019 12:43

Tgt Ion: 92 Resp: 5342
Ion Ratio Lower Upper
92 100
91 185.6 137.6 206.4





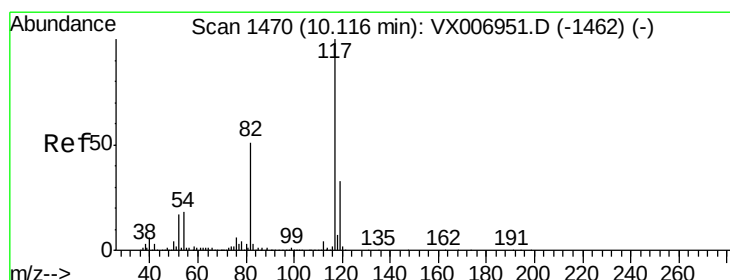
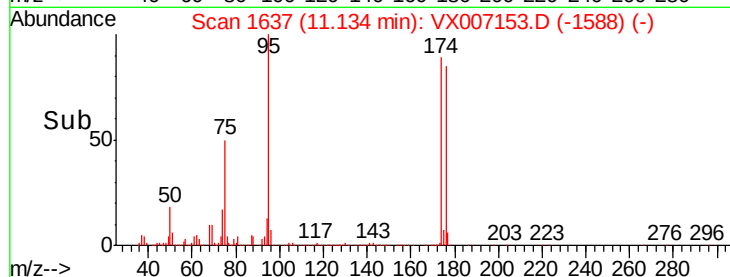
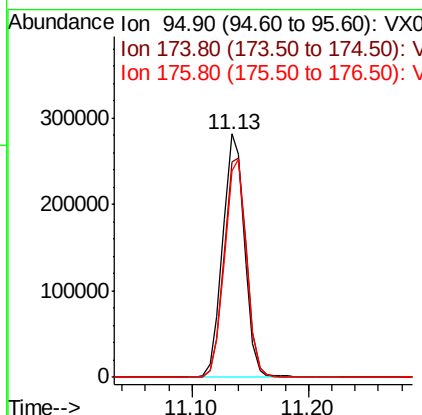
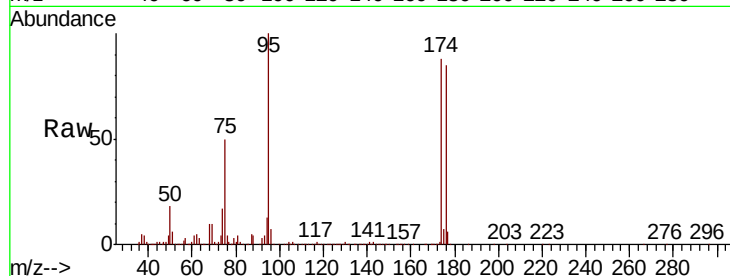
#62
4-Bromofluorobenzene
Concen: 52.712 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007153.D
Acq: 21 Jan 2019 12:43

Instrument :
MSVOA_X
ClientSampleId :
SA-TW522-3337

Tot Ion	Ratio	Resp	Lower	Upper
95	100	365345		
174	92.8	0.0	182.2	
176	89.8	0.0	178.8	

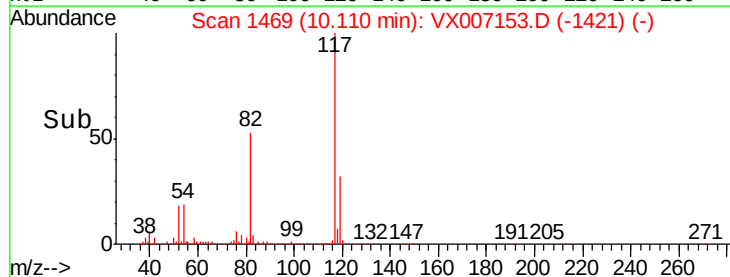
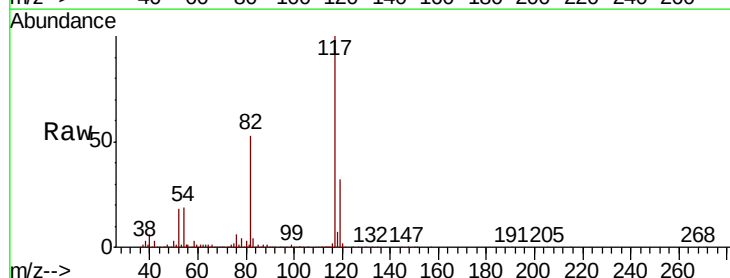
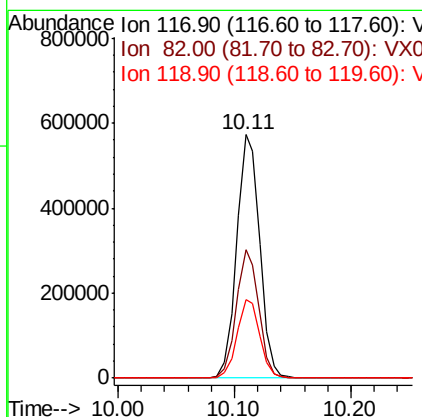
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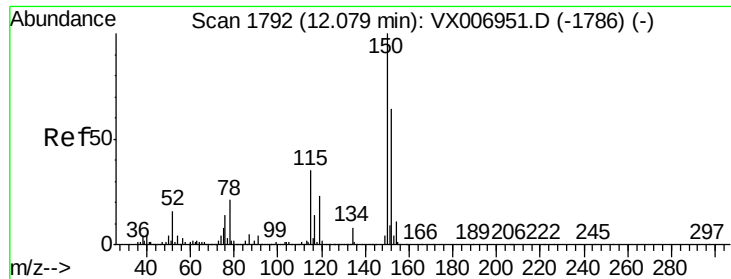
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007153.D
Acq: 21 Jan 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	788387		
82	52.6	41.0	61.6	
119	32.2	25.4	38.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Instrument :

MSVOA_X

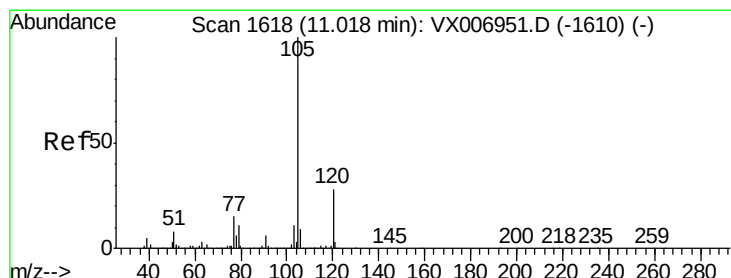
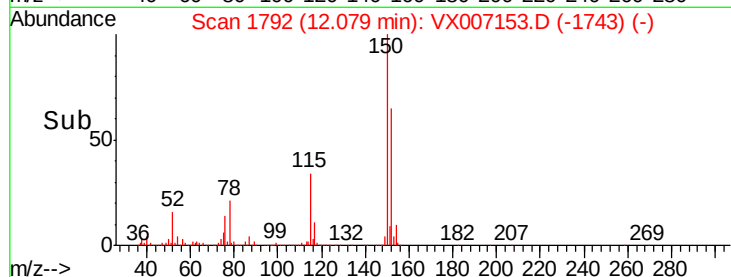
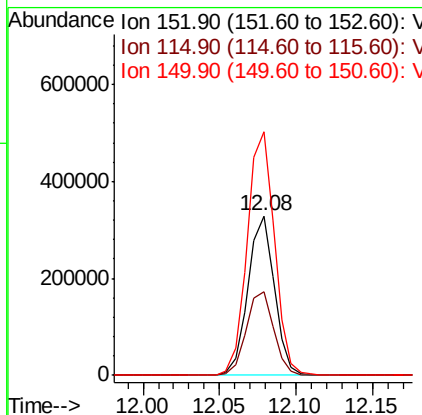
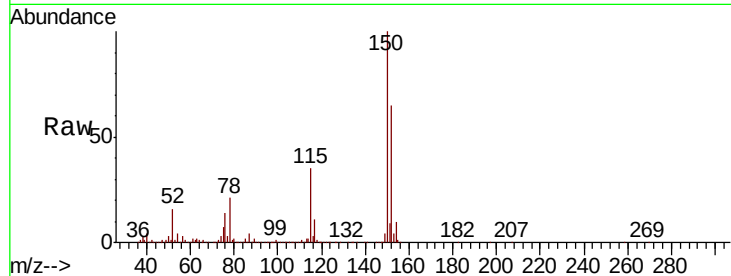
ClientSampleId :

SA-TW522-3337

Tot Ion:	152	Resp:	395050
Ion Ratio	Lower	Upper	
152	100		
115	55.0	39.1	117.2
150	157.4	0.0	344.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.572 ug/l

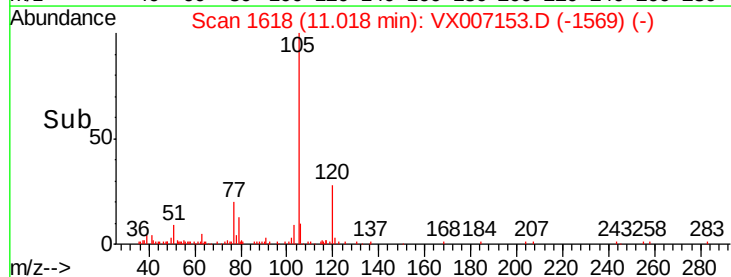
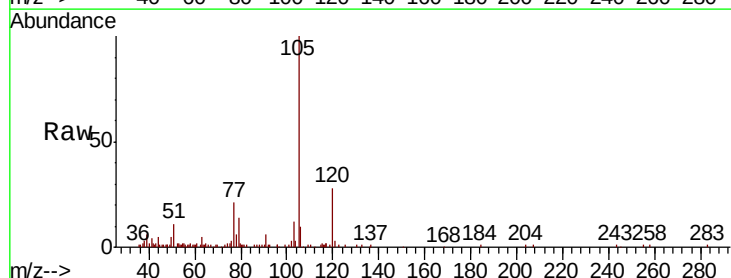
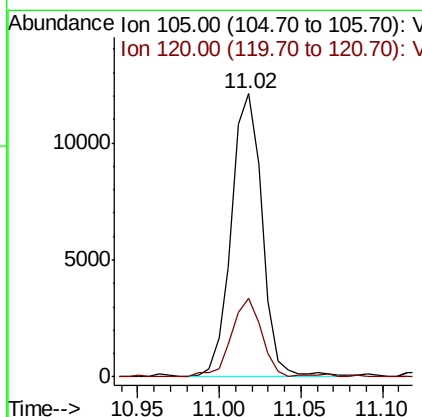
RT: 11.02 min Scan# 1618

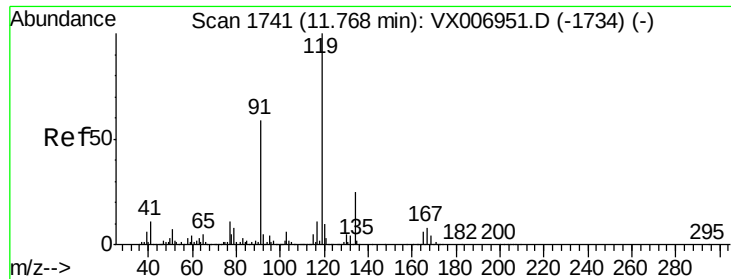
Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Tgt Ion:	105	Resp:	15936
Ion Ratio	Lower	Upper	
105	100		
120	27.1	14.1	42.4





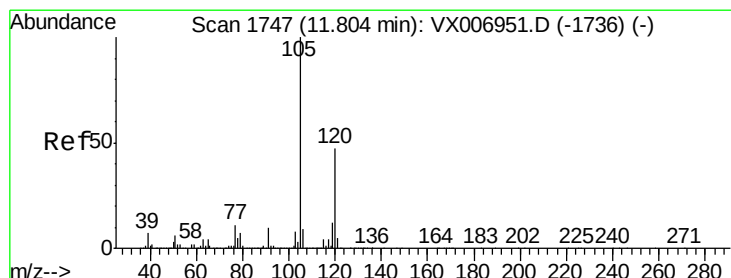
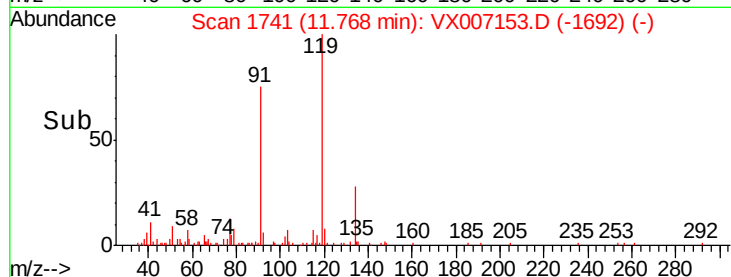
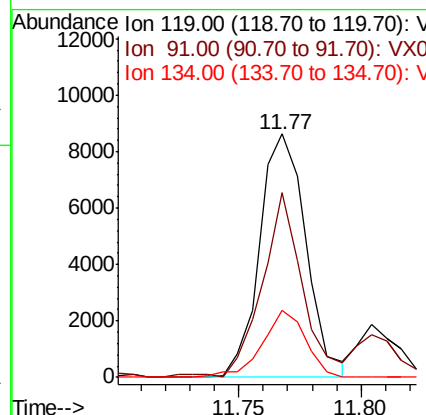
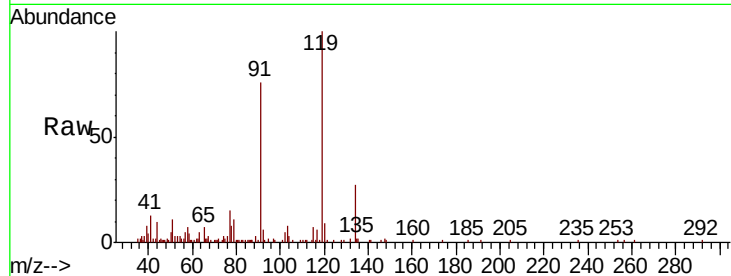
#83
 tert-Butylbenzene
 Concen: 0.493 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	27.7	83.1
134	25.8	11.9	35.5

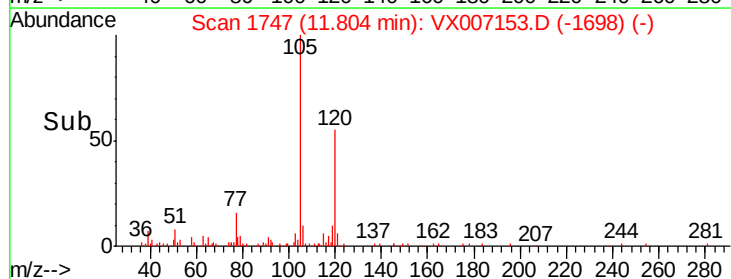
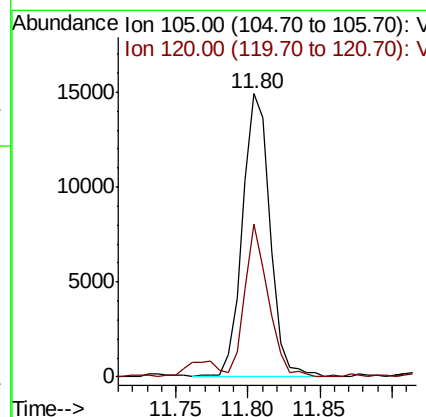
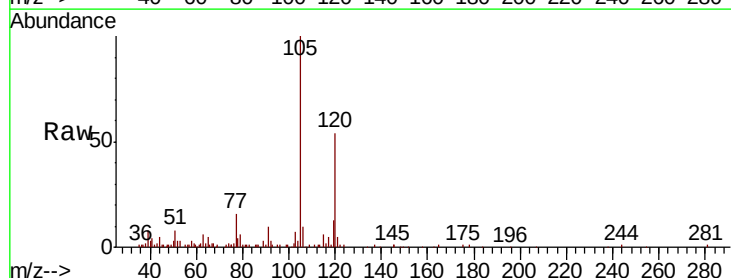
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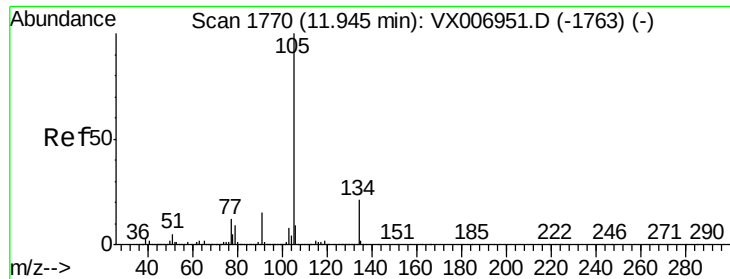
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.849 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 1.460 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

Instrument :

MSVOA_X

ClientSampleId :

SA-TW522-3337

Tot Ion:105 Resp: 40492

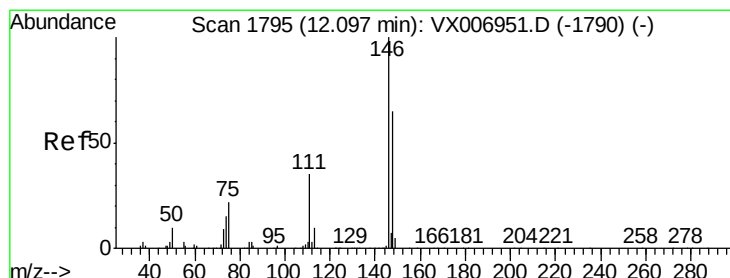
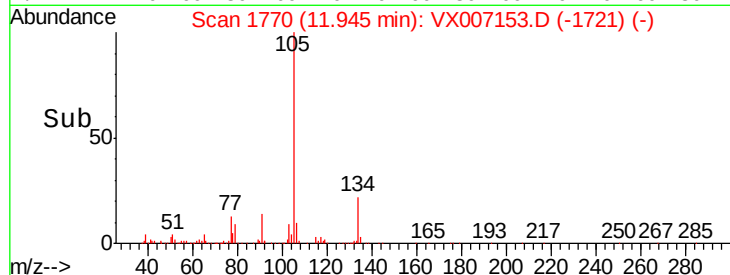
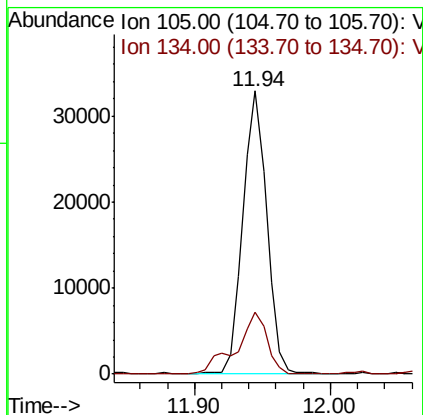
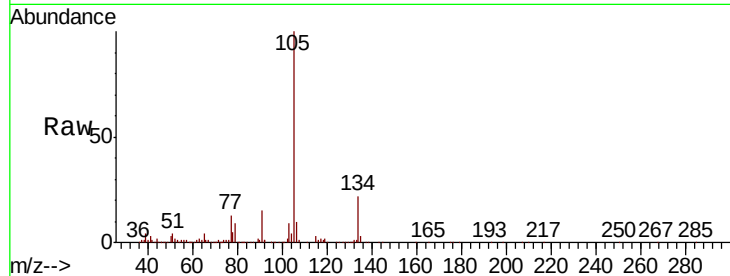
Ion Ratio Lower Upper

105 100

134 28.0 10.7 31.9

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#88

1,4-Dichlorobenzene

Concen: 1.599 ug/l m

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007153.D

Acq: 21 Jan 2019 12:43

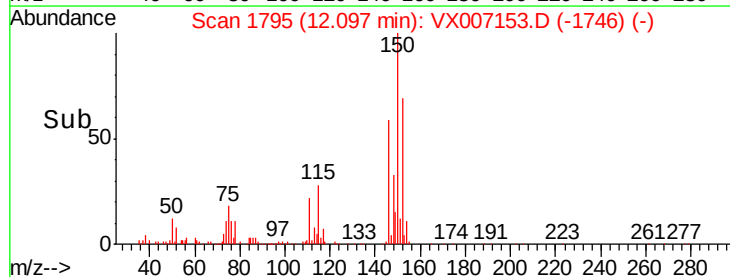
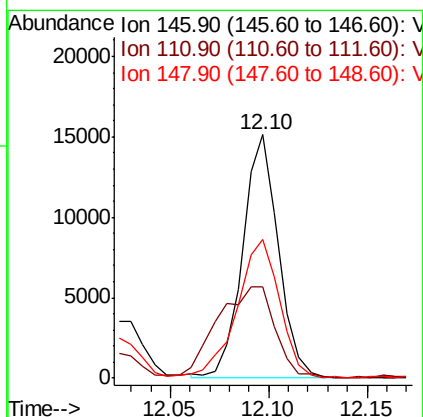
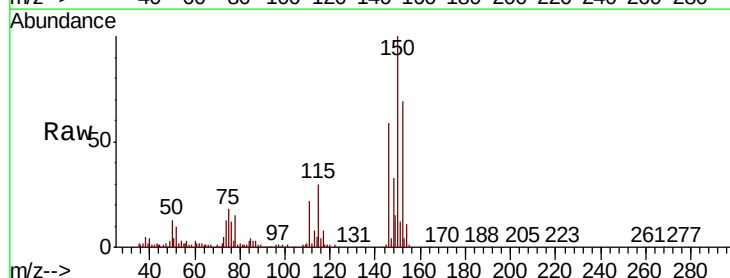
Tgt Ion:146 Resp: 19164

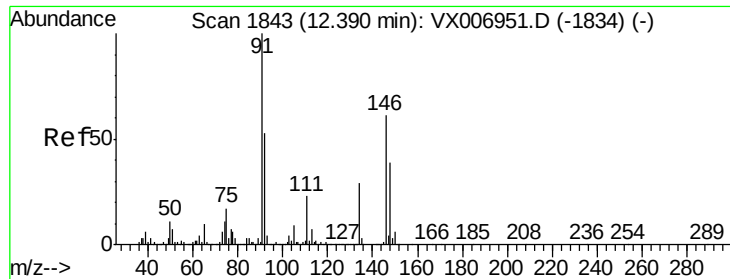
Ion Ratio Lower Upper

146 100

111 13.7 18.1 54.1#

148 17.1 31.9 95.9#





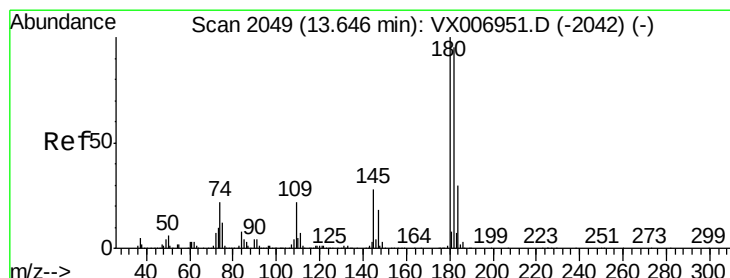
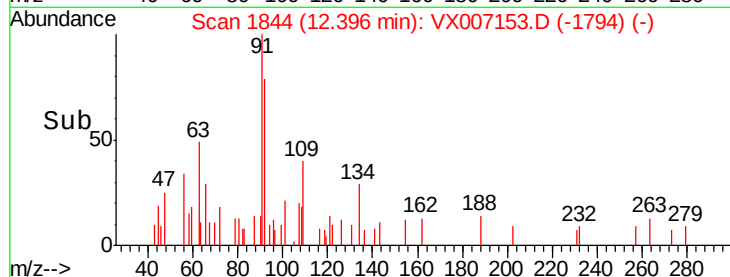
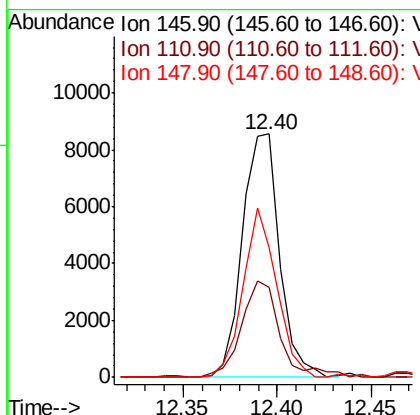
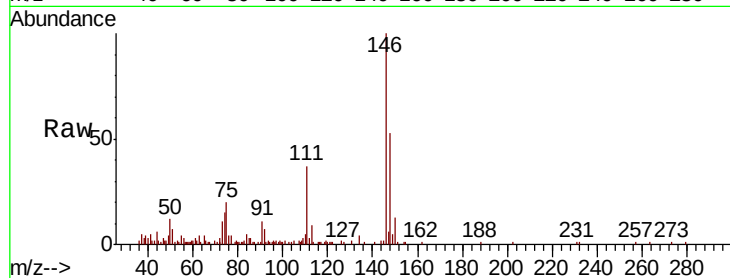
#91
 1,2-Dichlorobenzene
 Concen: 0.855 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.4	58.2
148	62.7	32.3	96.9

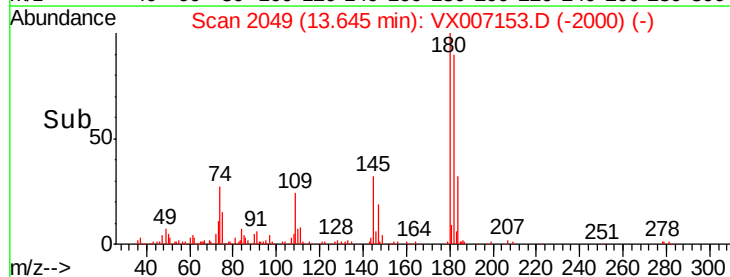
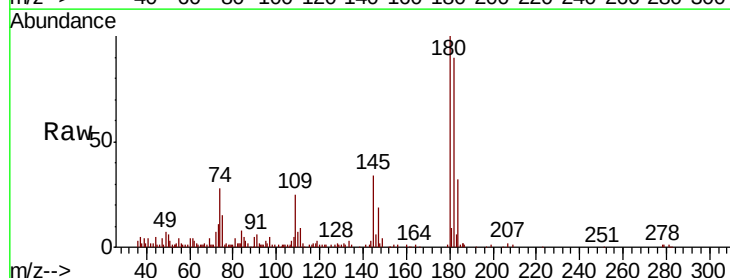
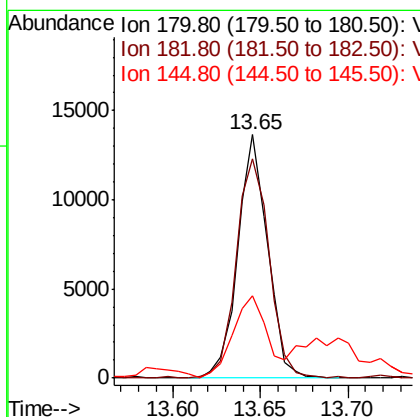
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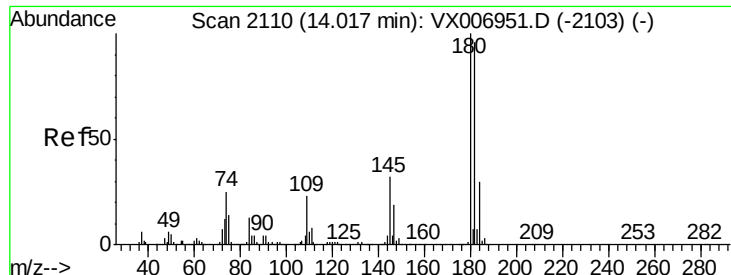
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.718 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.3	142.0
145	38.6	14.8	44.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.640 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX007153.D
 Acq: 21 Jan 2019 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW522-3337

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.5	145.5
145	74.6	16.0	47.9#

Manual Integrations
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