

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007182.D
 Acq On : 22 Jan 2019 15:29
 Operator : JC/SP
 Sample : K1214-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW526-3337

Quant Time: Jan 28 03:32:43 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	528186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	813022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	777200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	284833	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	5.50	113	257796	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	972562	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.13	95	353829	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	

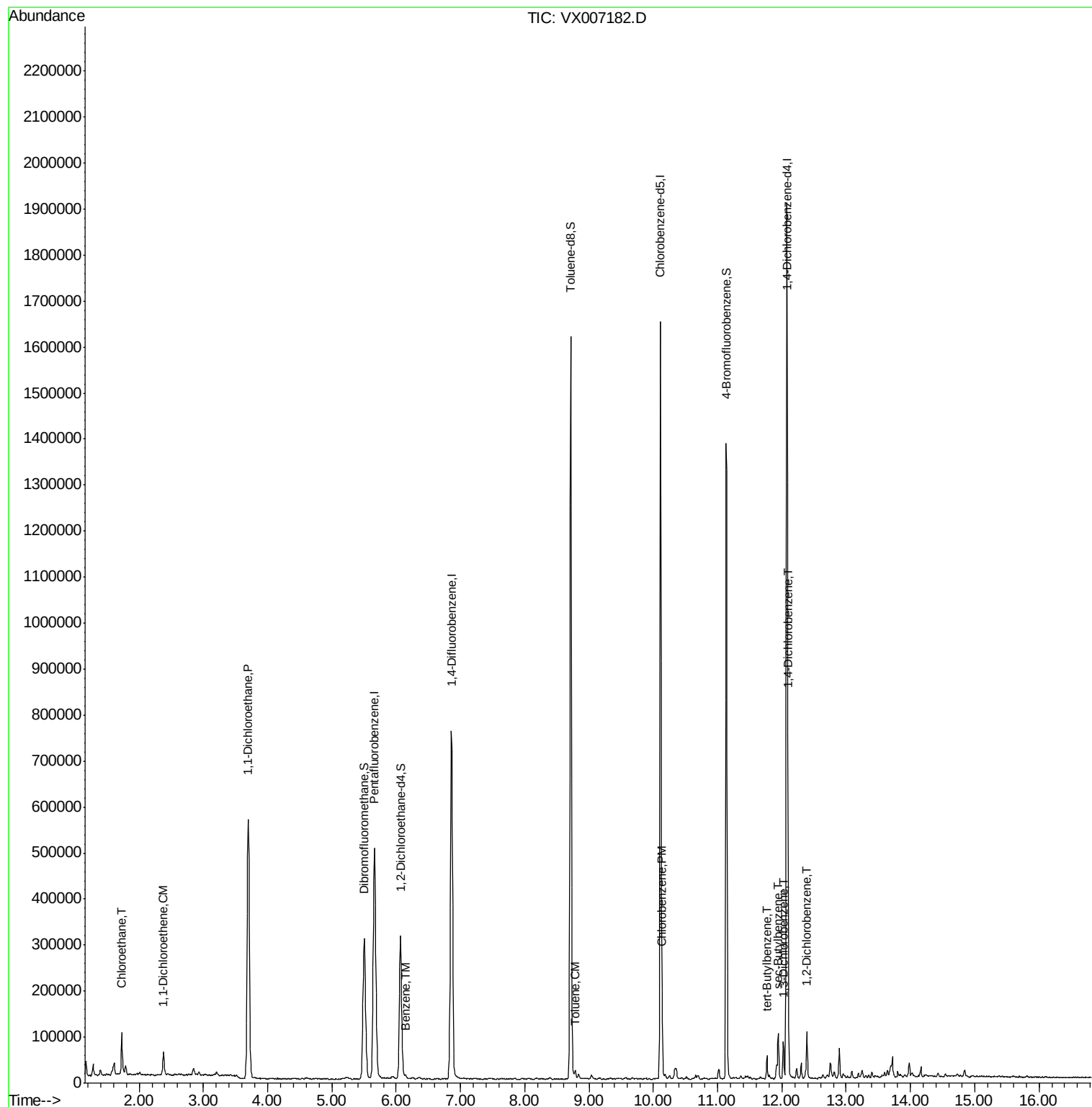
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	66730	17.595	ug/l	99
12) 1,1-Dichloroethene	2.38	96	17954	3.698	ug/l	92
24) 1,1-Dichloroethane	3.70	63	645989	73.863	ug/l	98
40) Benzene	6.15	78	8996	0.417	ug/l	98
52) Toluene	8.79	92	5339	0.385	ug/l	96
65) Chlorobenzene	10.14	112	50360	2.971	ug/l	98
83) tert-Butylbenzene	11.77	119	19173	0.830	ug/l	93
85) sec-Butylbenzene	11.94	105	51399	1.864	ug/l	84
87) 1,3-Dichlorobenzene	12.02	146	27021	1.959	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	145729	11.265	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	32333	2.376	ug/l	98

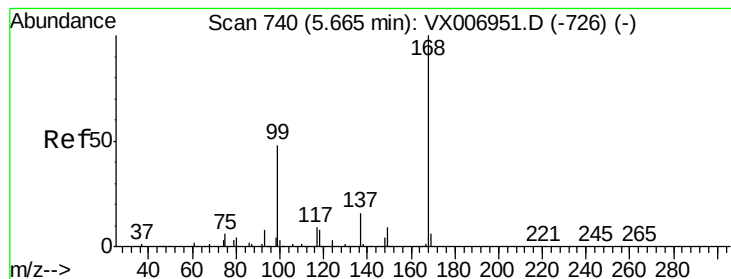
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
SA-TW526-3337

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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: VX007182.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

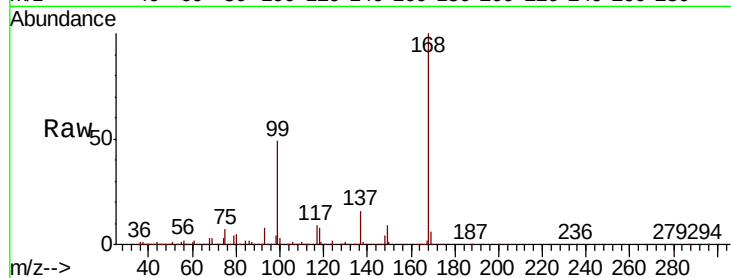
SA-TW526-3337

Tot Ion:168 Resp: 528186

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

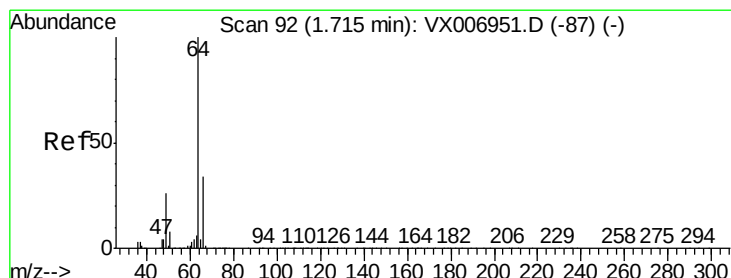
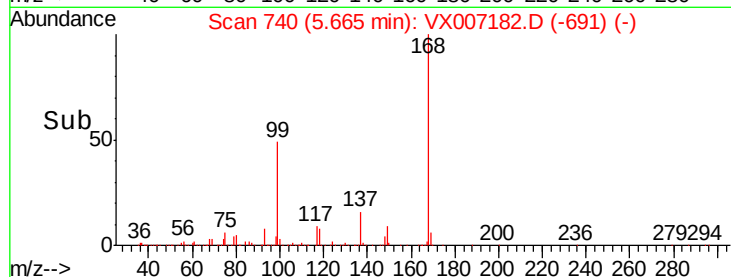
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 17.595 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX007182.D

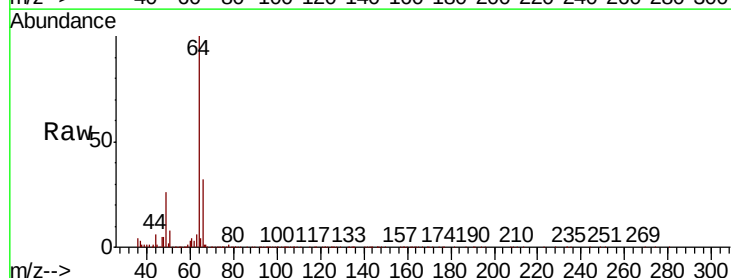
Acq: 22 Jan 2019 15:29

Tgt Ion: 64 Resp: 66730

Ion Ratio Lower Upper

64 100

66 32.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

50000

40000

30000

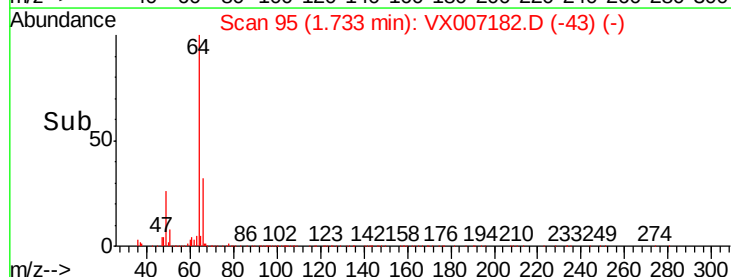
20000

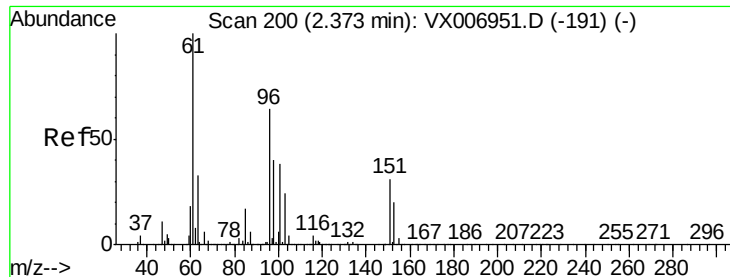
10000

0

Time-->

1.65 1.70 1.75 1.80





#12

1,1-Dichloroethene

Concen: 3.698 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007182.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-3337

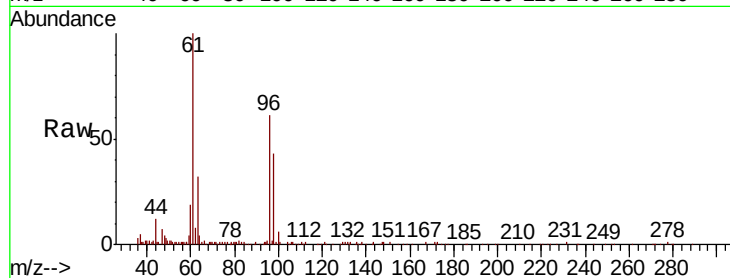
Tot Ion: 96 Resp: 17954

Ion Ratio Lower Upper

96 100

61 163.8 121.4 182.2

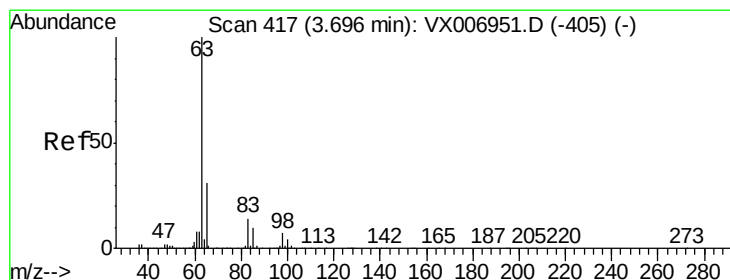
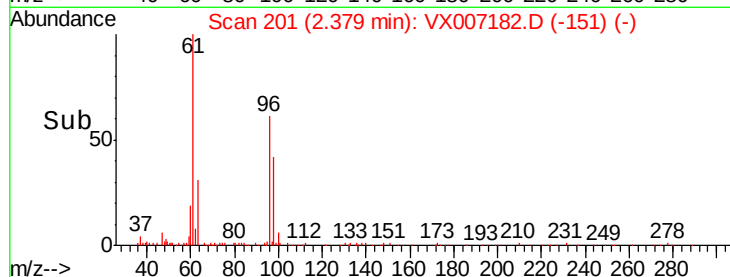
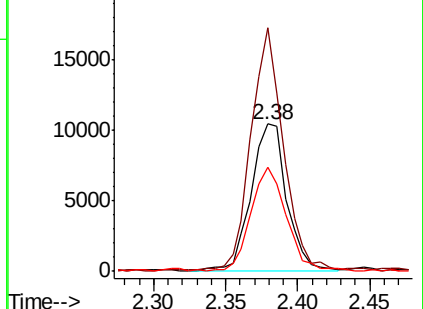
98 69.8 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 73.863 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007182.D

Acq: 22 Jan 2019 15:29

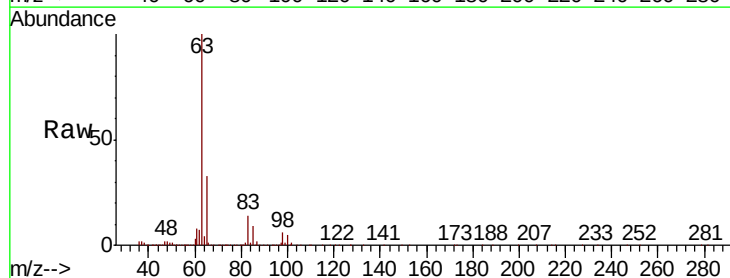
Tgt Ion: 63 Resp: 645989

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.5

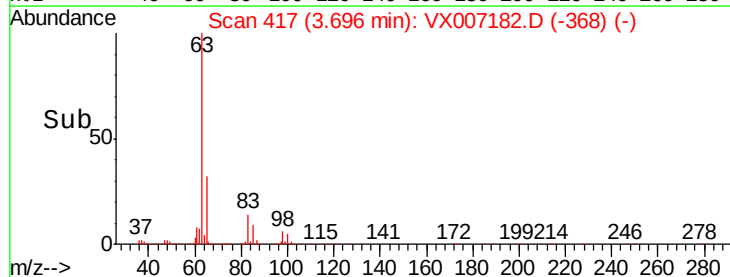
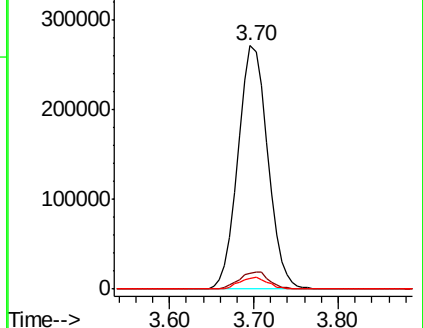
100 4.6 2.4 7.2

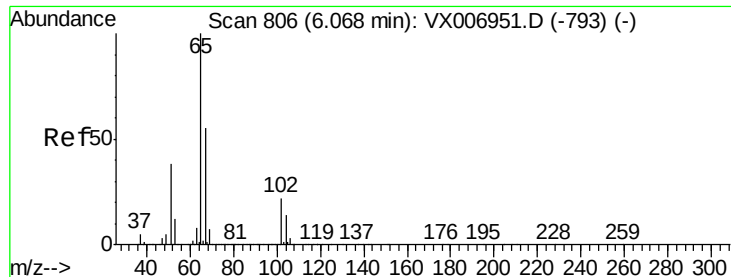


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

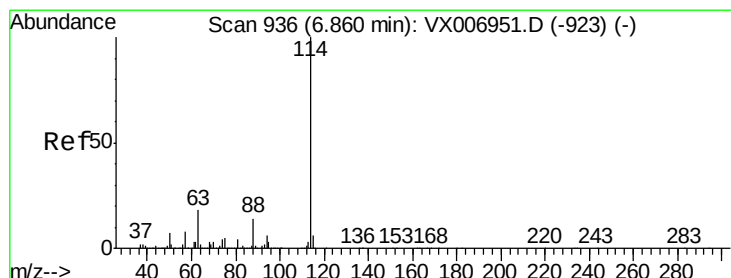
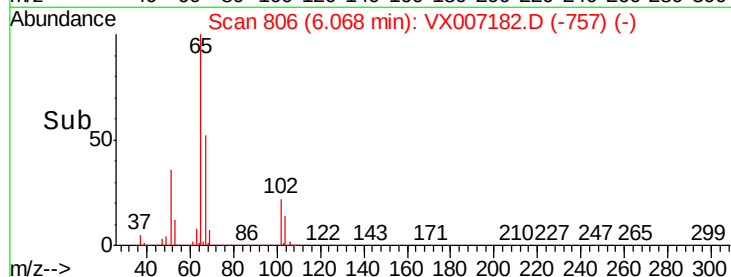
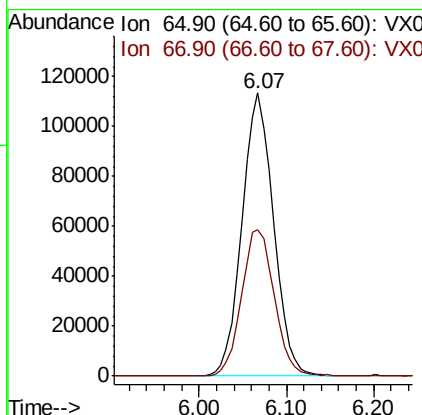
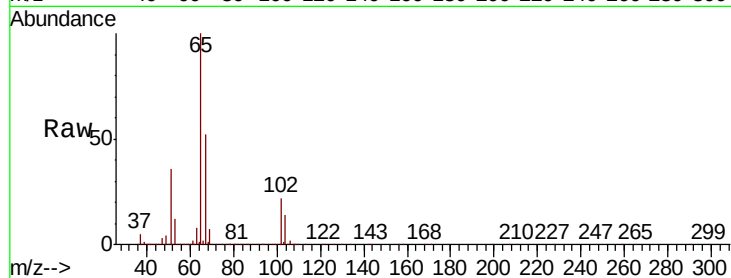




#33
 1,2-Dichloroethane-d4
 Concen: 51.600 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007182.D
 Acq: 22 Jan 2019 15:29

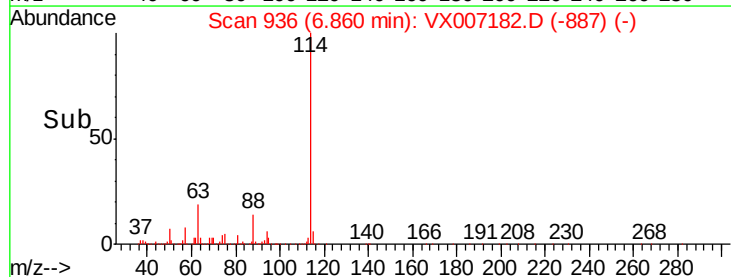
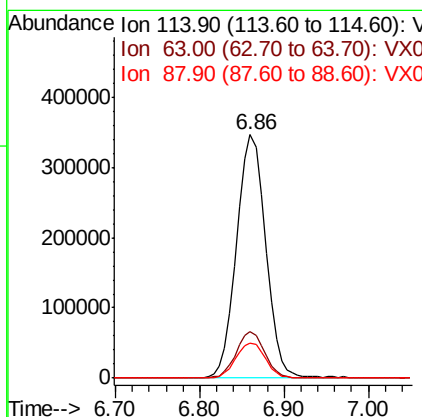
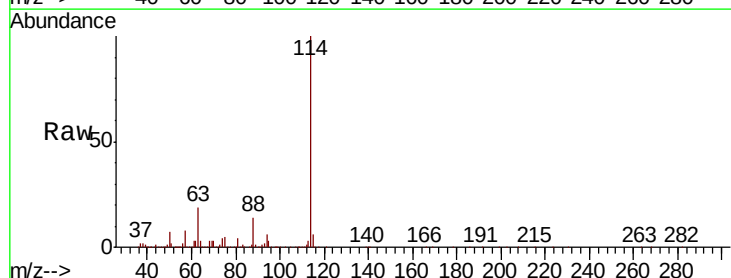
Instrument :
 MSVOA_X
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 SA-TW526-3337

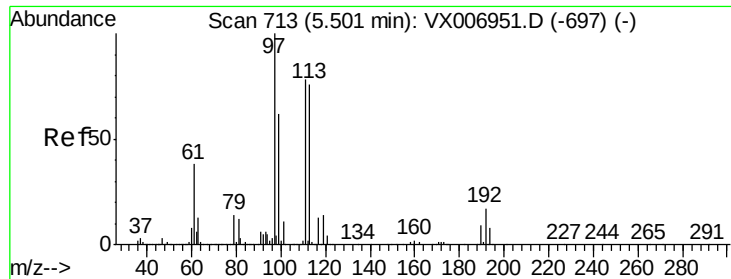
Tot Ion: 65 Resp: 284833
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007182.D
 Acq: 22 Jan 2019 15:29

Tgt Ion: 114 Resp: 813022
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 34.8
 88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.514 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007182.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-3337

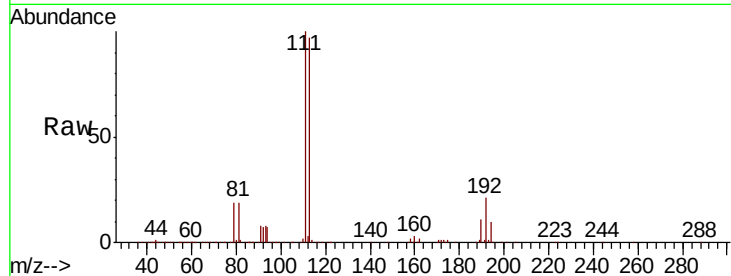
Tot Ion:113 Resp: 257796

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

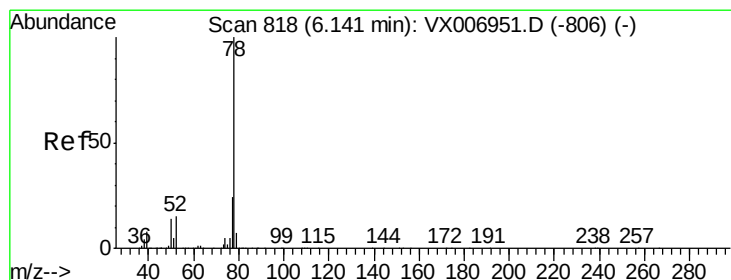
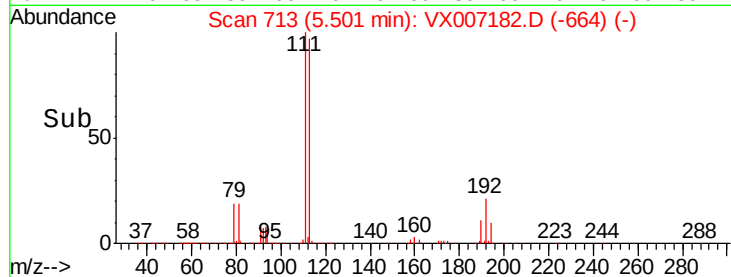
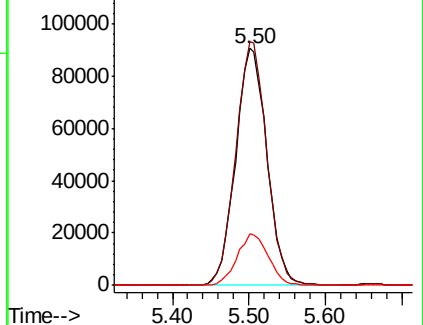
192 21.6 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#40

Benzene

Concen: 0.417 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007182.D

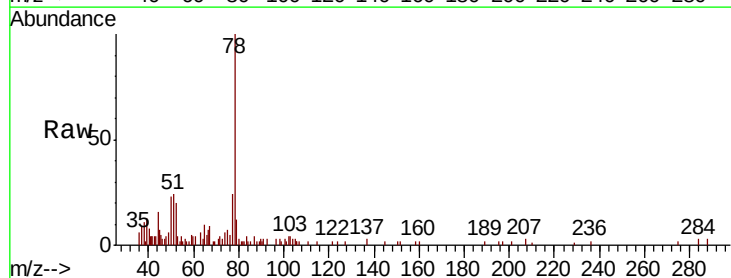
Acq: 22 Jan 2019 15:29

Tgt Ion: 78 Resp: 8996

Ion Ratio Lower Upper

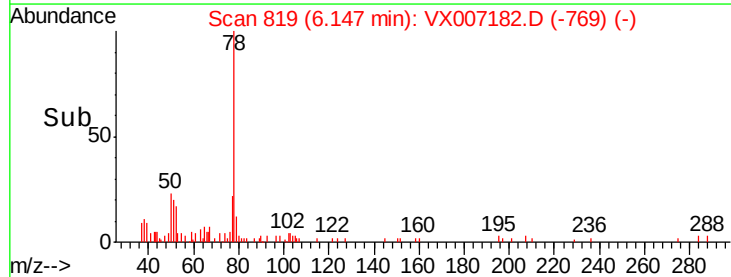
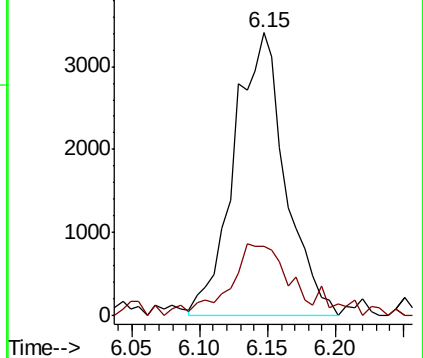
78 100

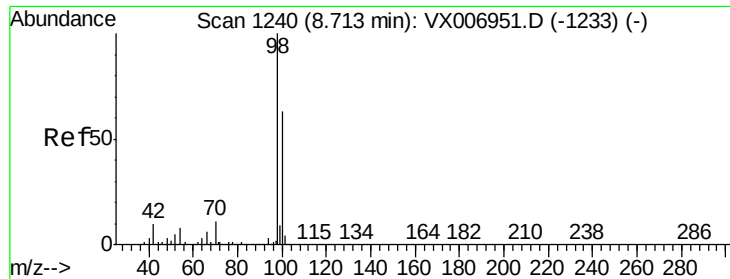
77 22.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

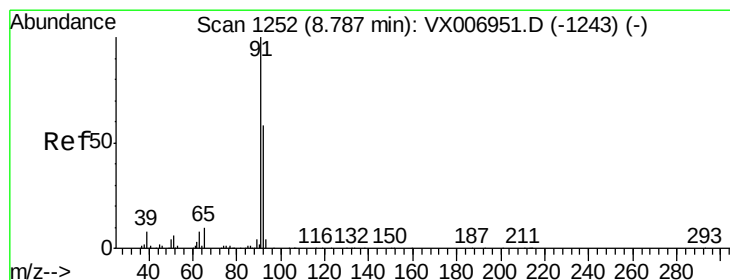
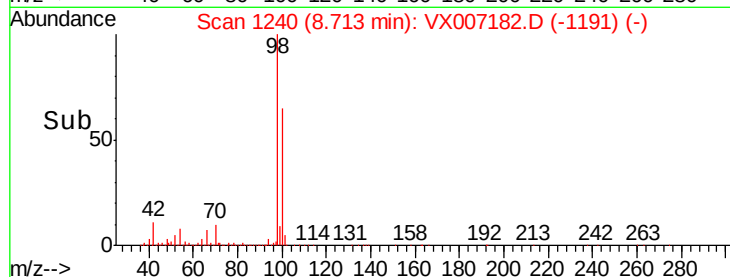
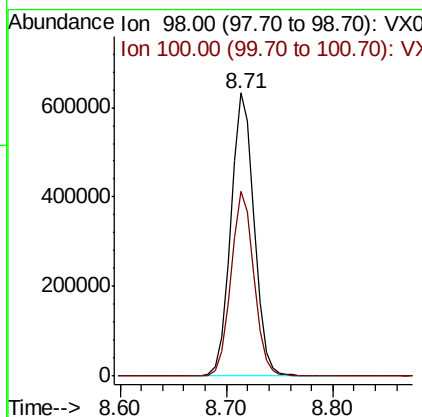
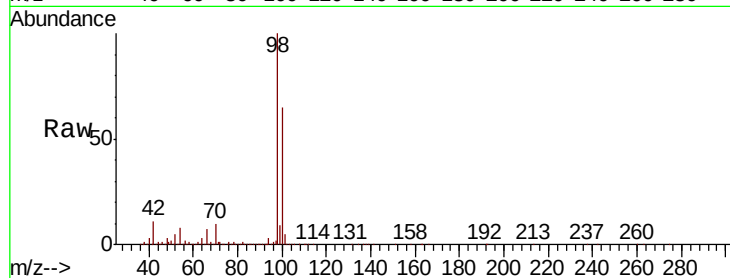




#50
Toluene-d8
Concen: 51.033 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

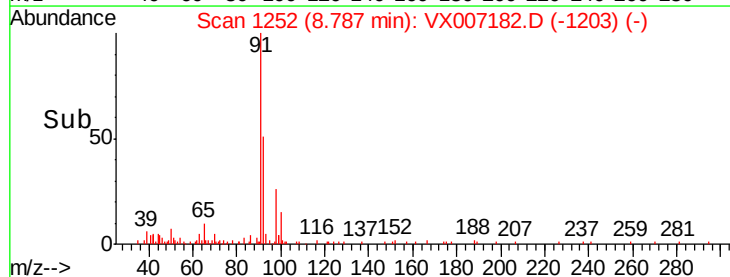
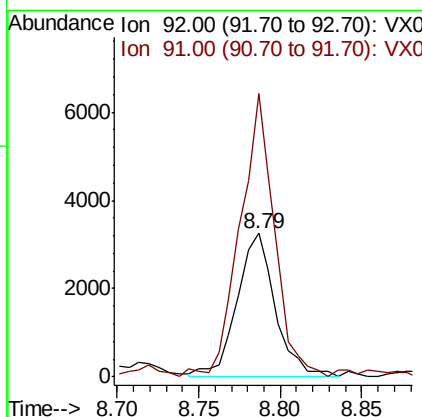
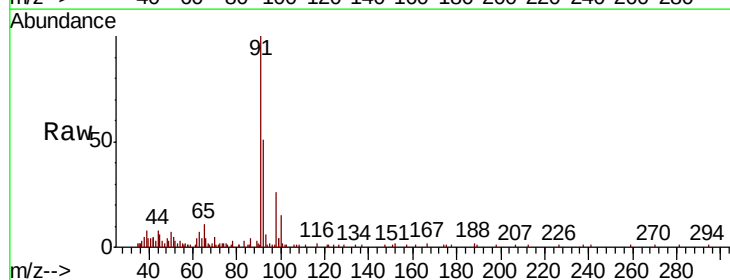
Instrument :
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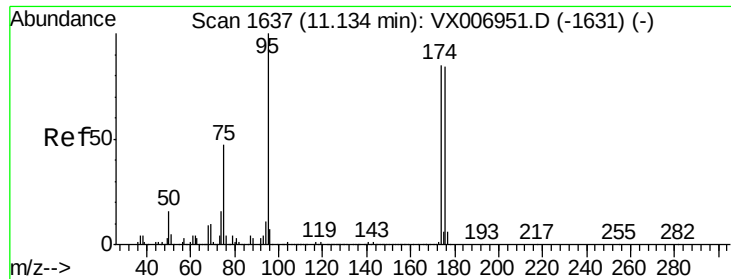
Tot Ion: 98 Resp: 972562
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#52
Toluene
Concen: 0.385 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

Tgt Ion: 92 Resp: 5339
Ion Ratio Lower Upper
92 100
91 177.8 137.6 206.4

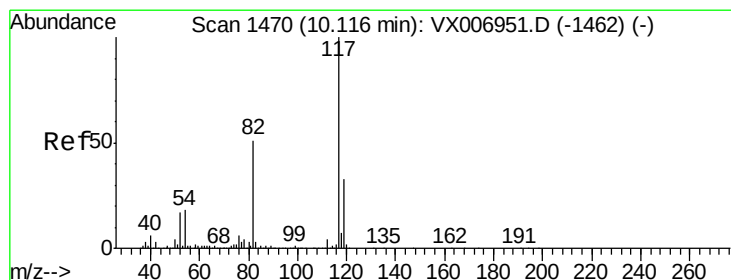
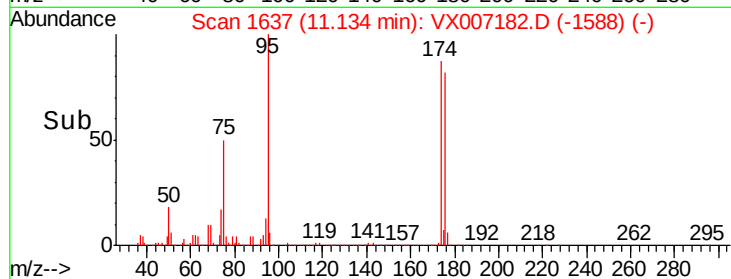
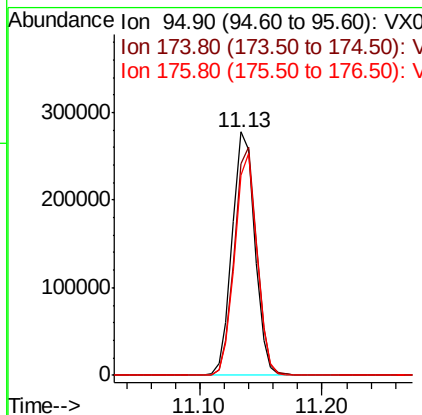
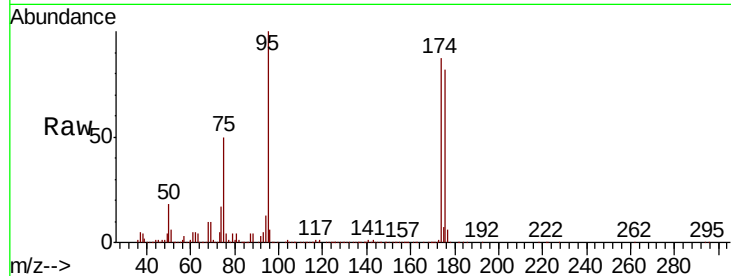




#62
4-Bromofluorobenzene
Concen: 53.256 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

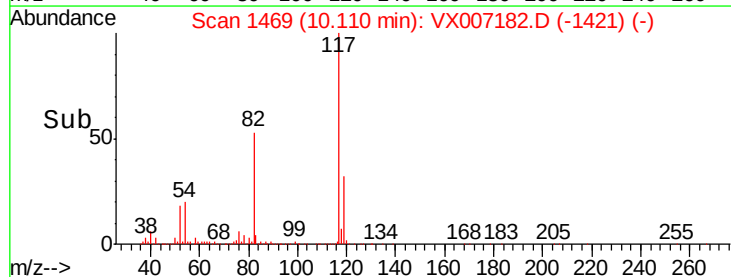
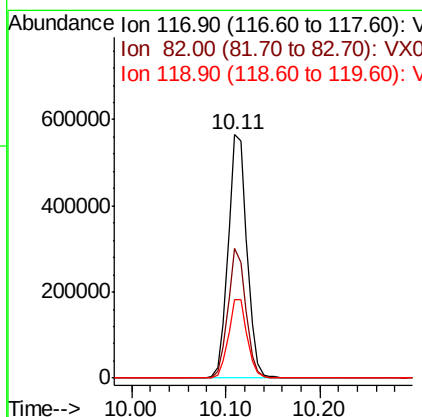
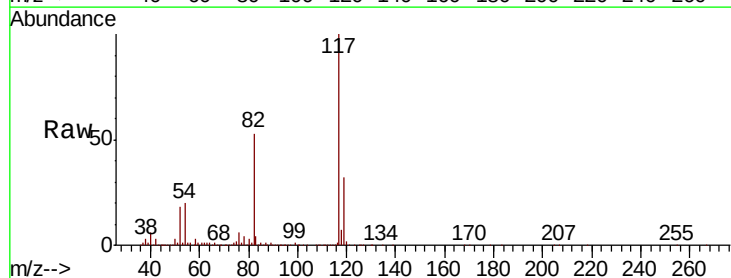
Instrument :
MSVOA_X
ClientSampleId :
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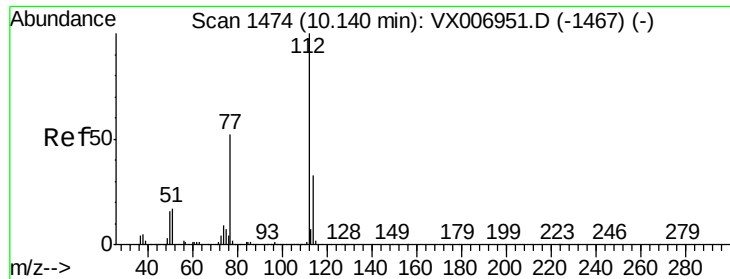
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	182.2
176	89.8	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.0	61.6
119	32.3	25.4	38.0

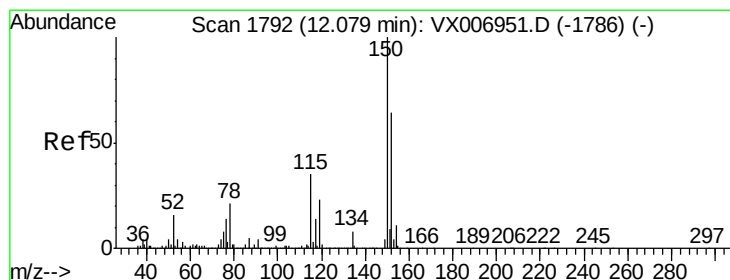
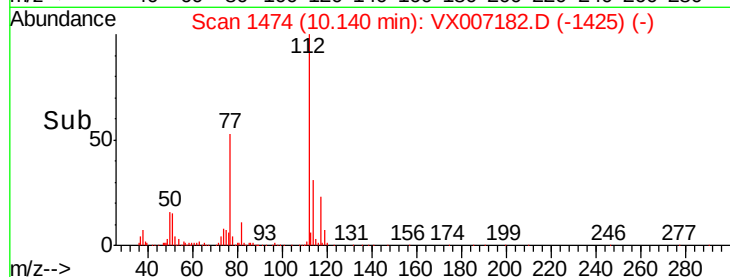
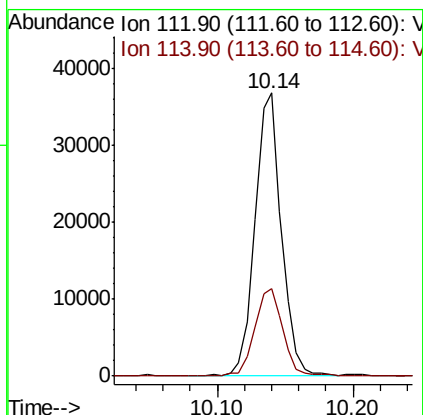
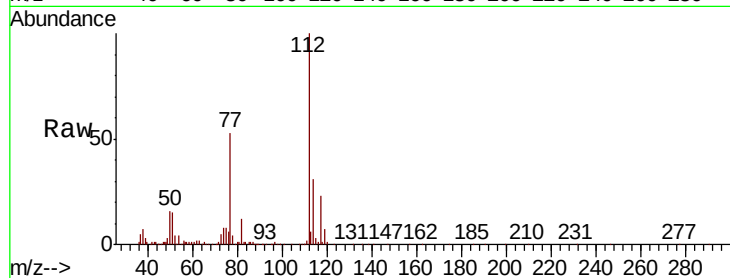




#65
Chlorobenzene
Concen: 2.971 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

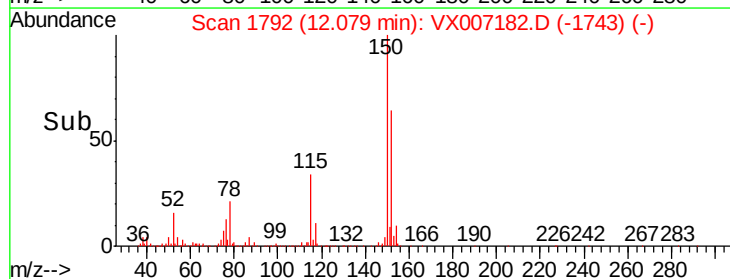
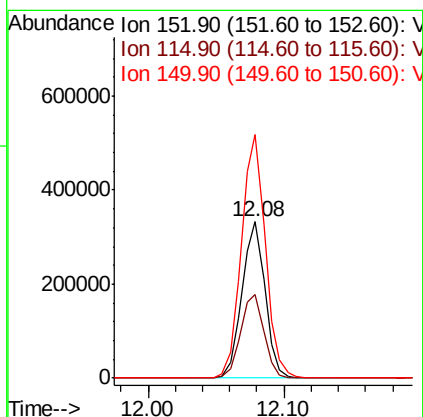
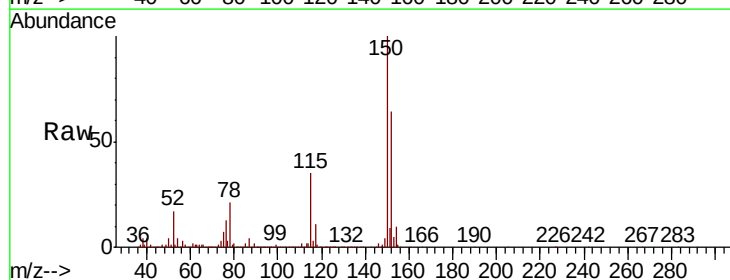
Instrument :
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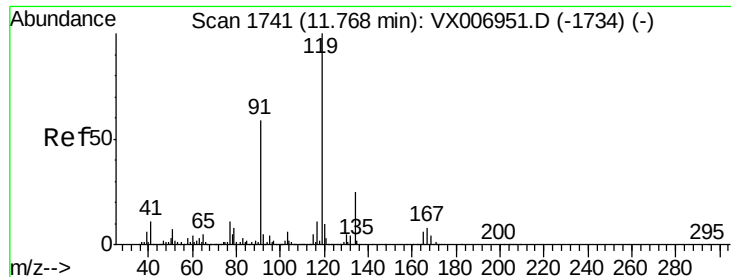
Tot Ion:112 Resp: 50360
Ion Ratio Lower Upper
112 100
114 31.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007182.D
Acq: 22 Jan 2019 15:29

Tgt Ion:152 Resp: 392730
Ion Ratio Lower Upper
152 100
115 54.7 39.1 117.2
150 161.3 0.0 344.8





#83

tert-Butylbenzene

Concen: 0.830 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007182.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-3337

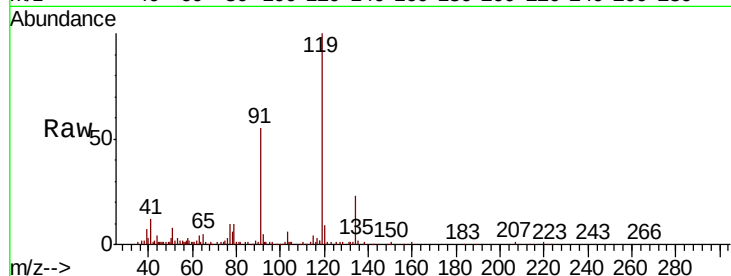
Tot Ion:119 Resp: 19173

Ion Ratio Lower Upper

119 100

91 62.3 27.7 83.1

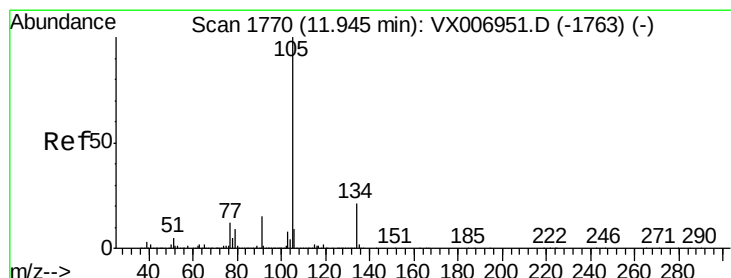
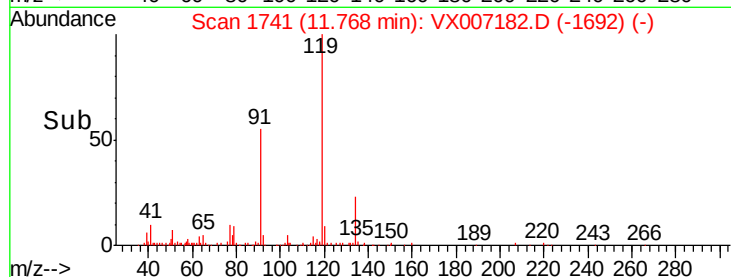
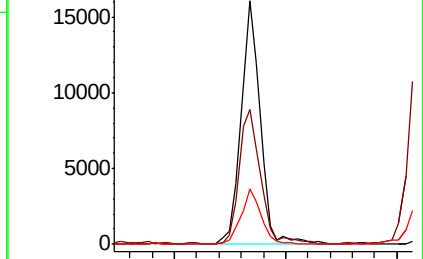
134 23.8 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 1.864 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007182.D

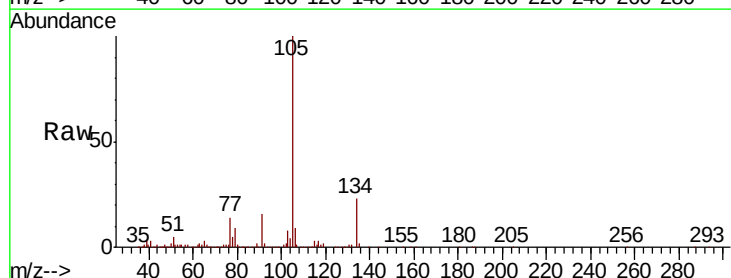
Acq: 22 Jan 2019 15:29

Tgt Ion:105 Resp: 51399

Ion Ratio Lower Upper

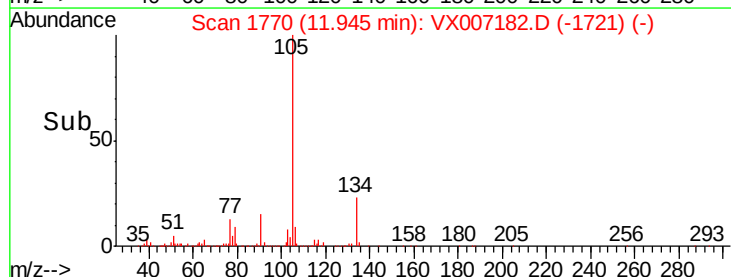
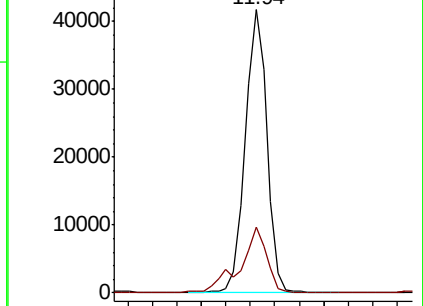
105 100

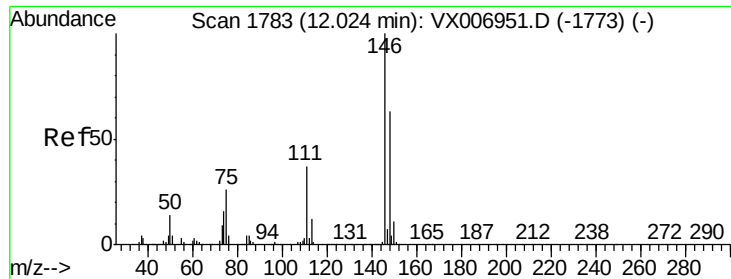
134 28.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

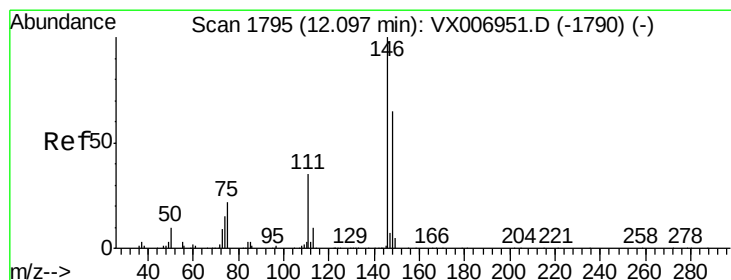
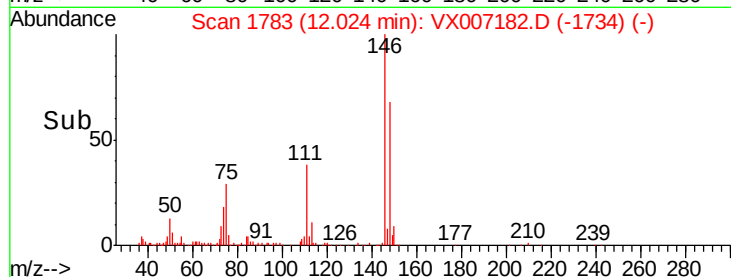
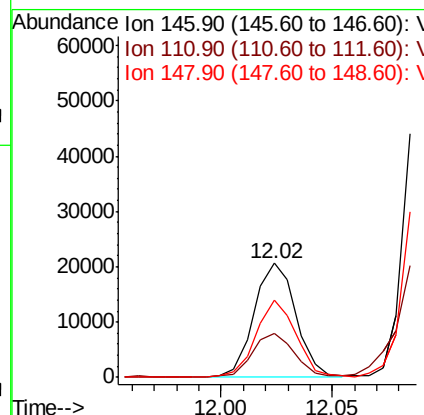
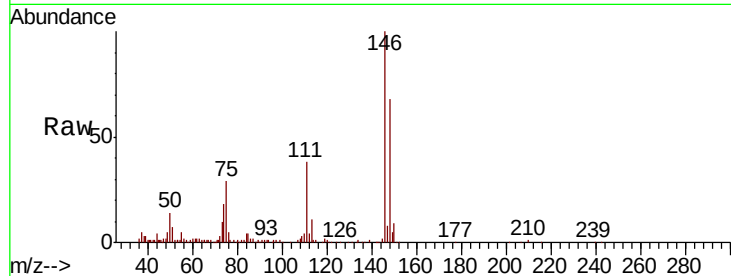




#87
 1,3-Dichlorobenzene
 Concen: 1.959 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007182.D
 Acq: 22 Jan 2019 15:29

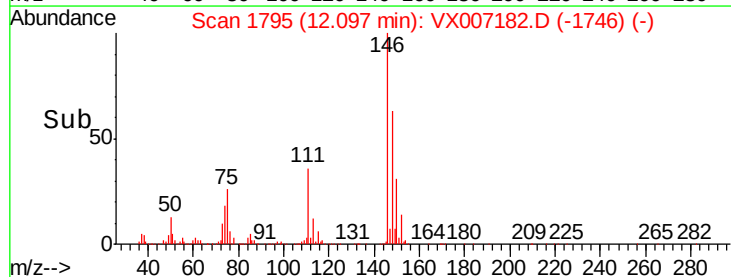
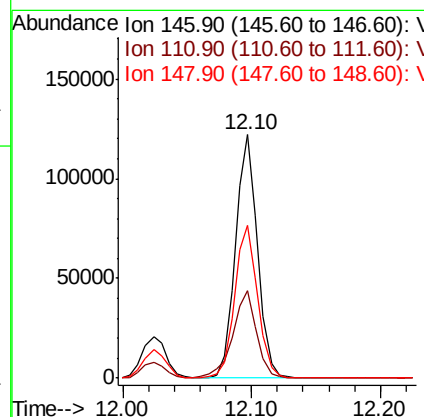
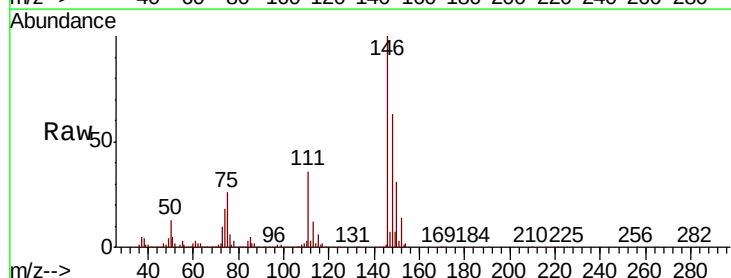
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW526-3337

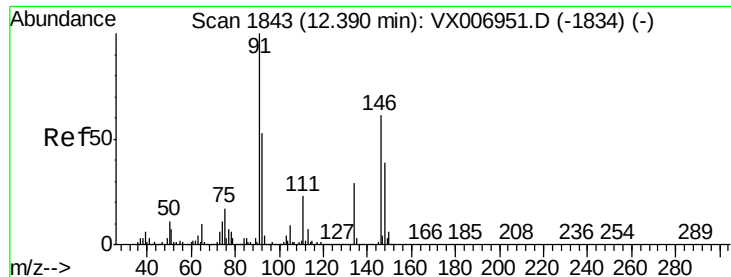
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	64.8	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 11.265 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007182.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	65.4	31.9	95.9





#91

1,2-Dichlorobenzene

Concen: 2.376 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007182.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-3337

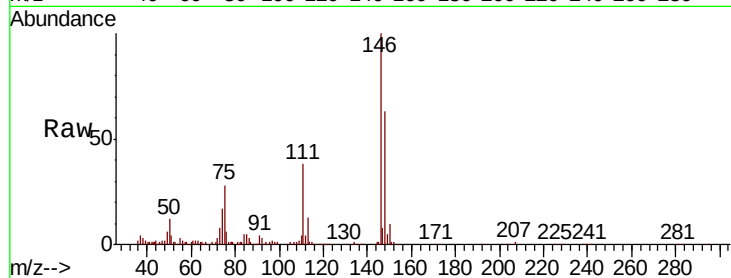
Tot Ion:146 Resp: 32333

Ion Ratio Lower Upper

146 100

111 40.8 19.4 58.2

148 65.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

