

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007185.D
 Acq On : 22 Jan 2019 16:48
 Operator : JC/SP
 Sample : K1214-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW527-2327

Quant Time: Jan 23 00:05:43 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	514442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	806398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	755242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	369854	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	278582	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
35) Dibromofluoromethane	5.50	113	247145	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	960111	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	345265	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	

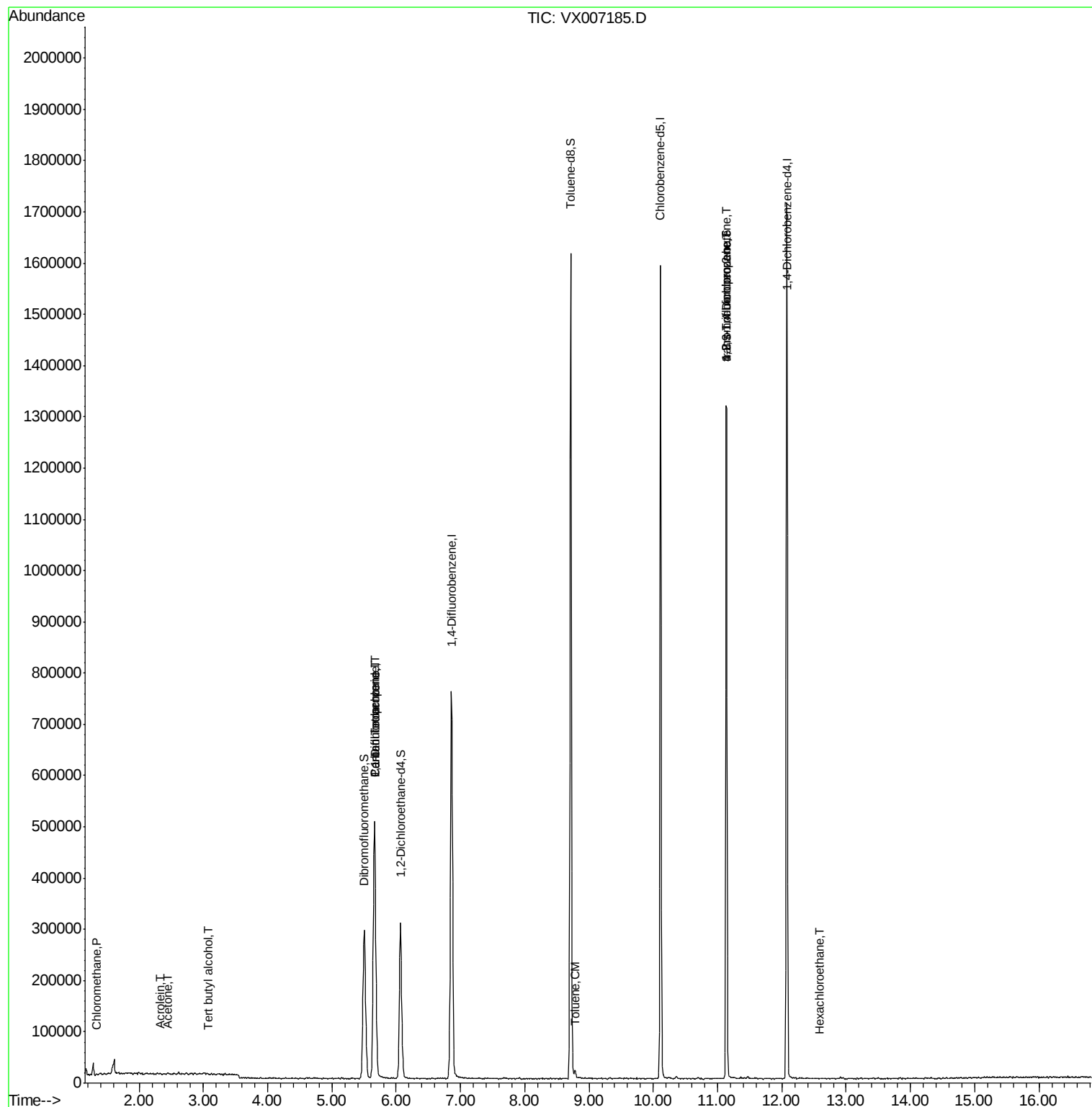
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1150	0.234	ug/l	95
11) Tert butyl alcohol	3.08	59	520	0.410	ug/l #	68
13) Acrolein	2.33	56	309	3.642	ug/l #	13
16) Acetone	2.45	43	3252	1.224	ug/l #	82
20) Methylene Chloride	2.85	84	1524	Below Cal	#	62
36) 1,1-Dichloropropene	5.67	75	34708	4.951	ug/l #	49
38) Carbon Tetrachloride	5.66	117	46413	6.580	ug/l #	15
49) 1,4-Dioxane	7.76	88	117	Below Cal	#	77
52) Toluene	8.78	92	4857	0.353	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	165722	22.111	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	165722	65.463	ug/l #	10
90) Hexachloroethane	12.59	117	90	2.931	ug/l	72

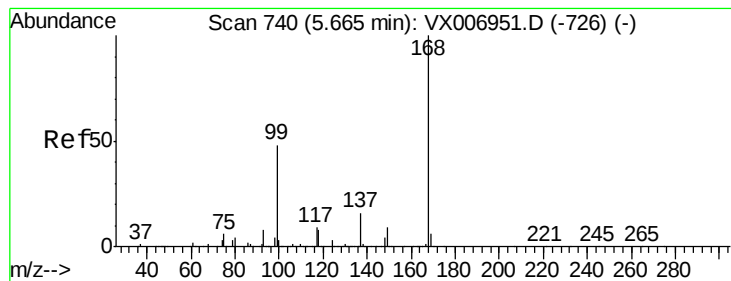
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012219\
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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: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

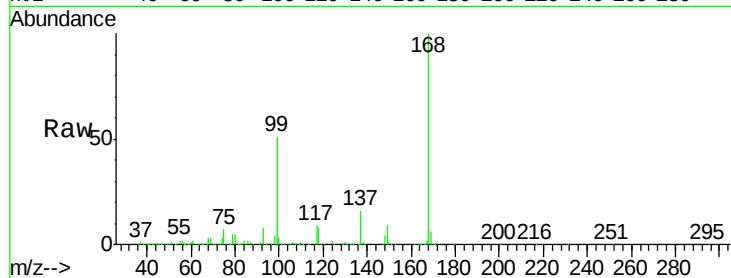
SA-TW527-2327

Tot Ion:168 Resp: 514442

Ion Ratio Lower Upper

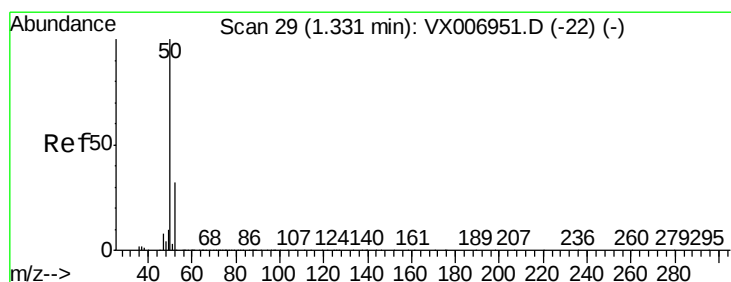
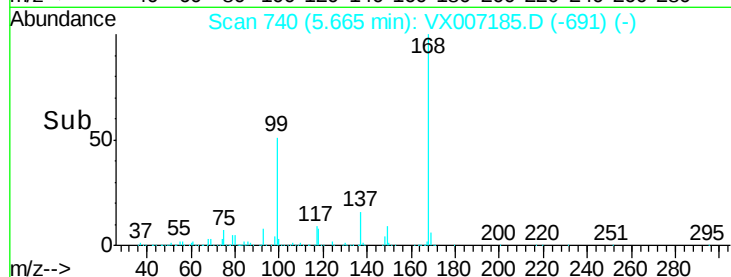
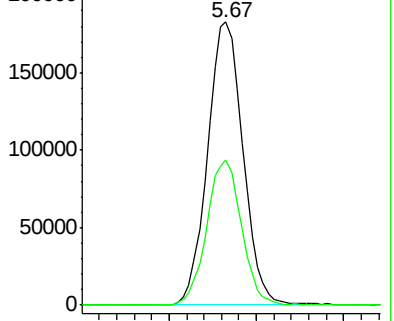
168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007185.D

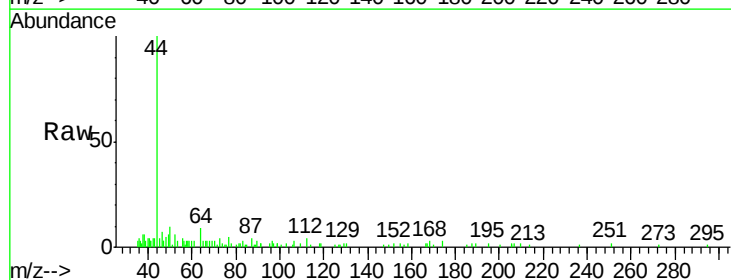
Acq: 22 Jan 2019 16:48

Tgt Ion: 50 Resp: 1150

Ion Ratio Lower Upper

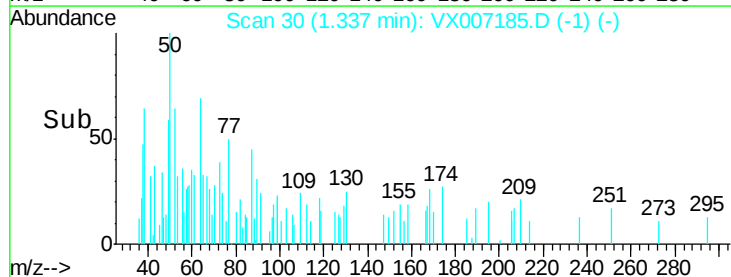
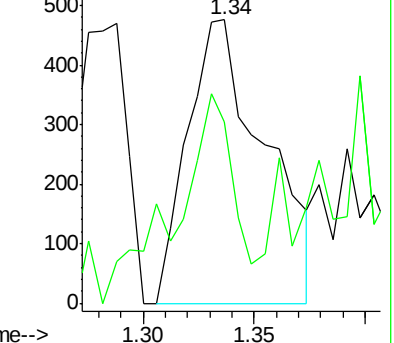
50 100

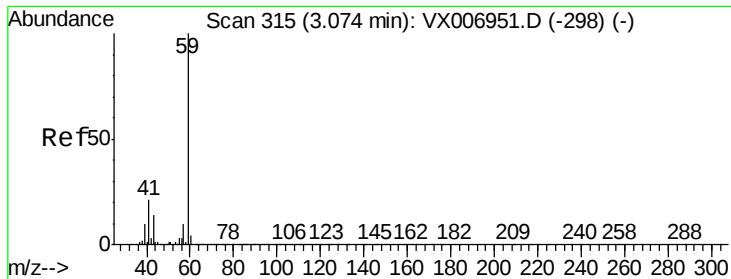
52 29.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



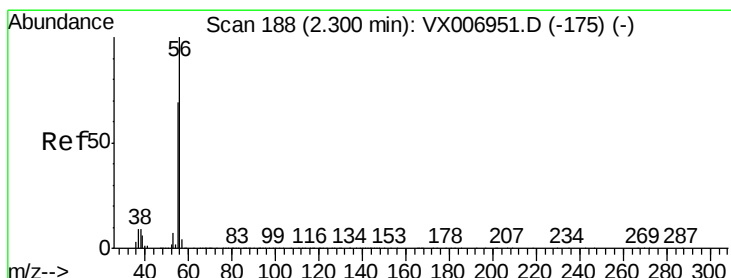
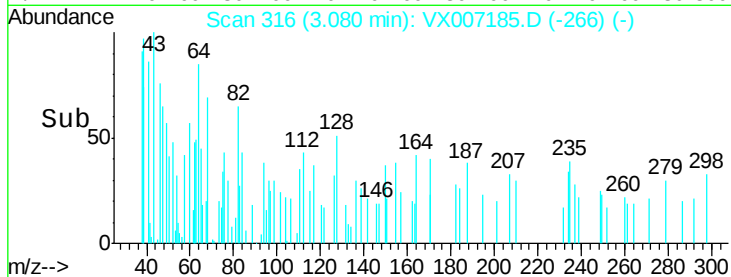
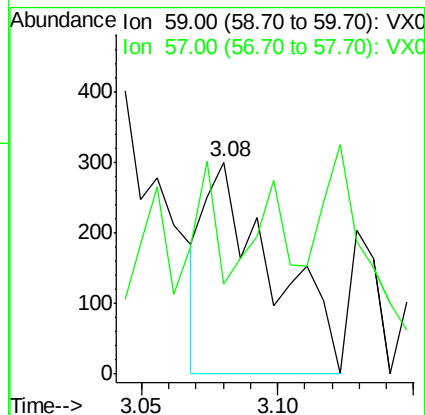
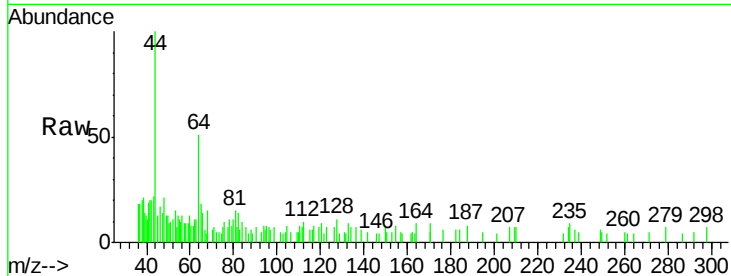


#11

Tert butvl alcohol
Concen: 0.410 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
SA-TW527-2327

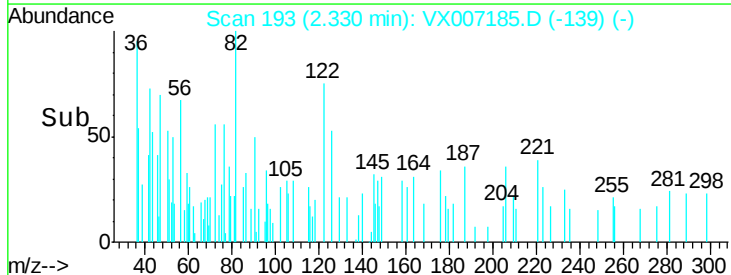
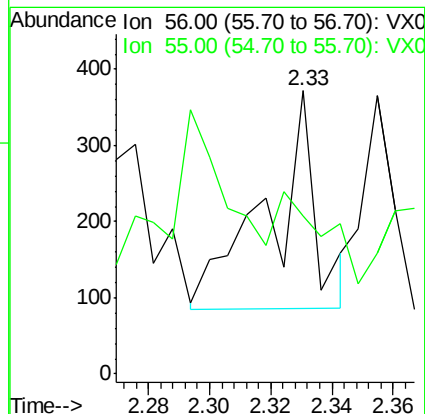
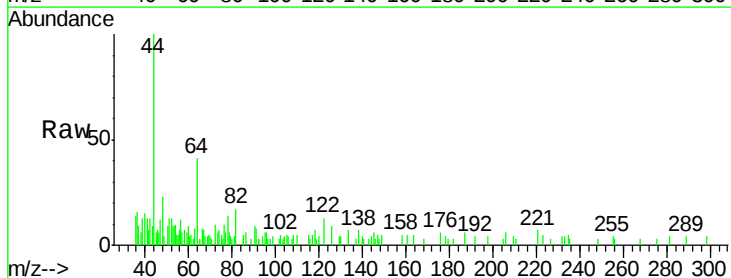
Tot Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 22.5 8.5 12.7#

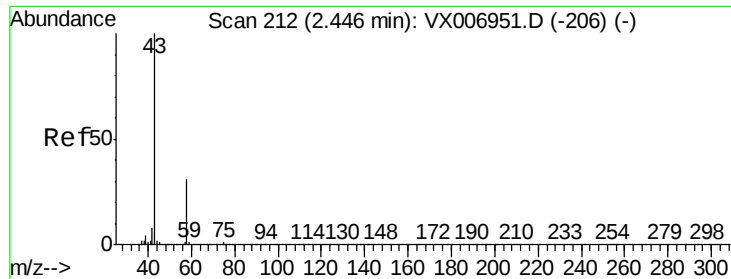


#13

Acrolein
Concen: 3.642 ug/l
RT: 2.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 56 Resp: 309
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#

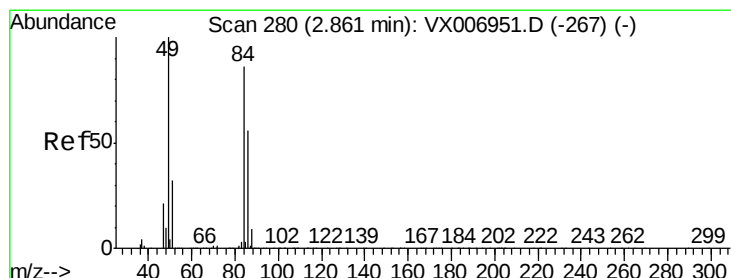
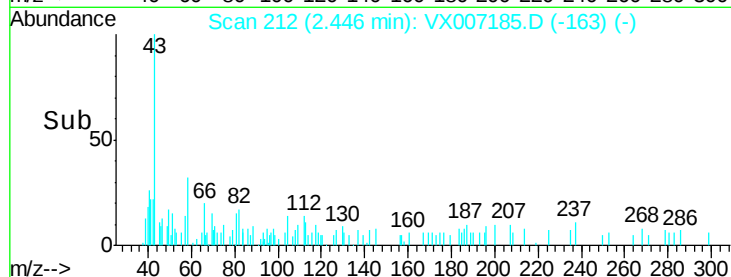
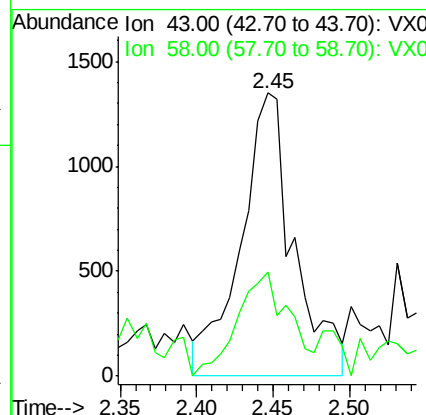
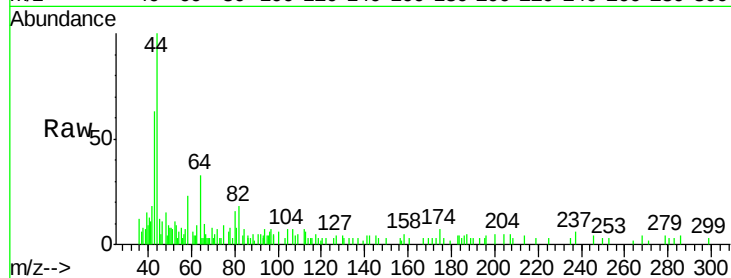




#16
Acetone
Concen: 1.224 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

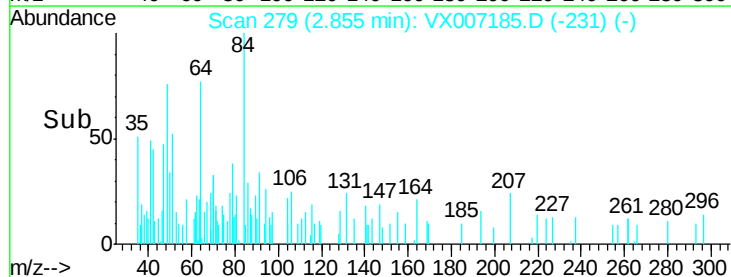
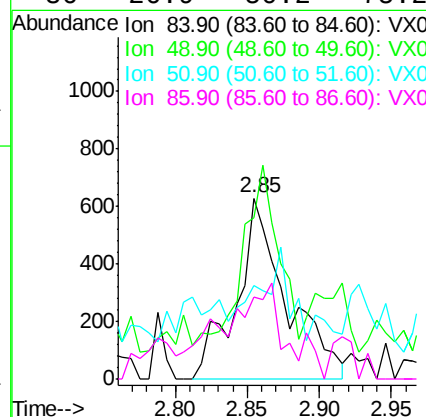
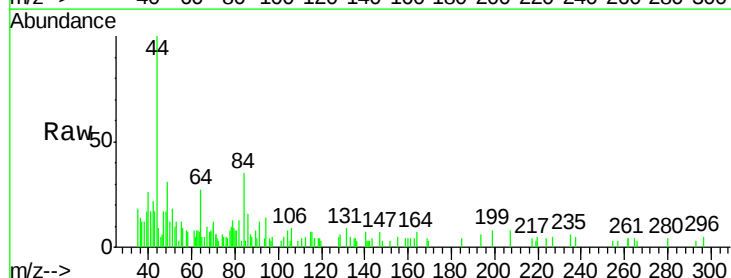
Instrument :
MSVOA_X
ClientSampleId :
SA-TW527-2327

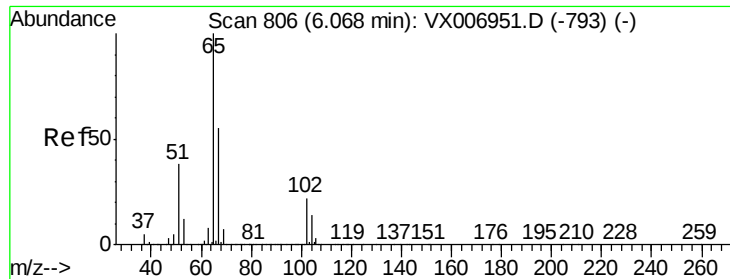
Tot Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 41.4 25.0 37.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 84 Resp: 1524
Ion Ratio Lower Upper
84 100
49 70.9 91.8 137.6#
51 27.3 28.5 42.7#
86 26.9 50.2 75.2#





#33

1,2-Dichloroethane-d4

Concen: 51.816 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

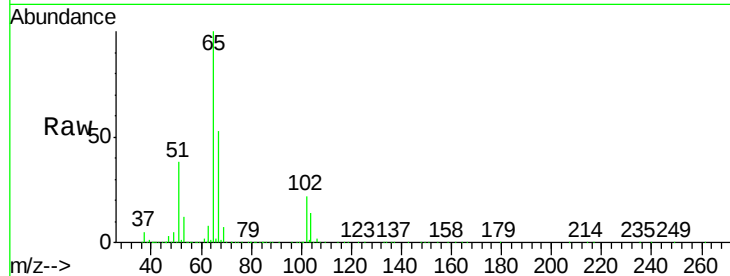
SA-TW527-2327

Tot Ion: 65 Resp: 278582

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX006951.D (-793) (-)

Ion 66.90 (66.60 to 67.60): VX006951.D (-793) (-)

6.07

120000

100000

80000

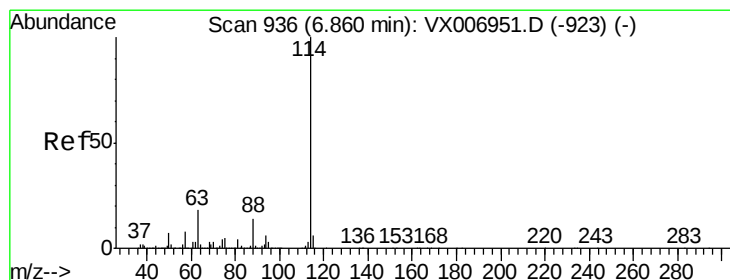
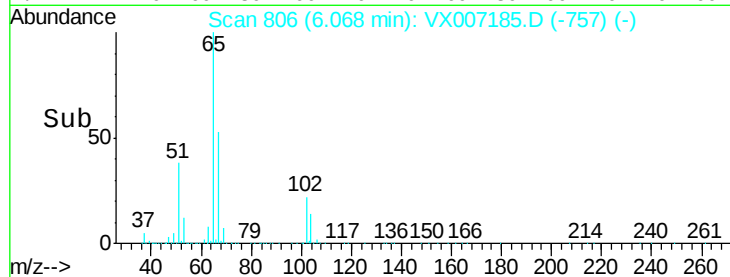
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

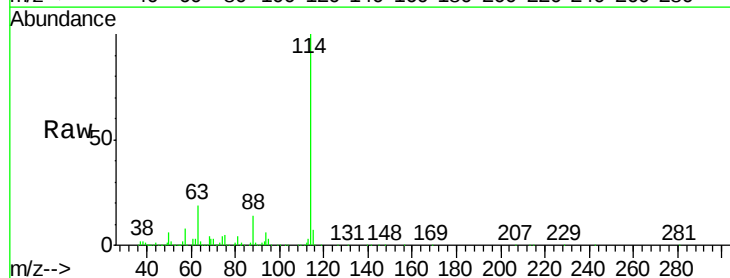
Tgt Ion: 114 Resp: 806398

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.5 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): VX006951.D (-923) (-)

Ion 63.00 (62.70 to 63.70): VX006951.D (-923) (-)

Ion 87.90 (87.60 to 88.60): VX006951.D (-923) (-)

6.86

400000

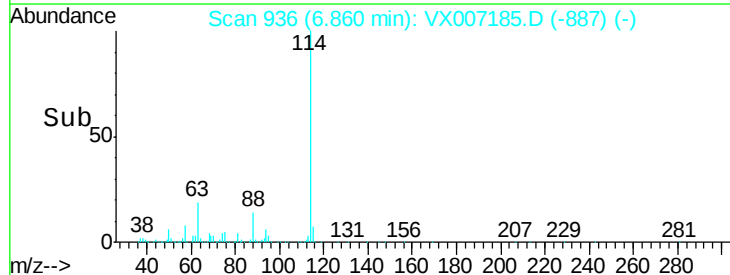
300000

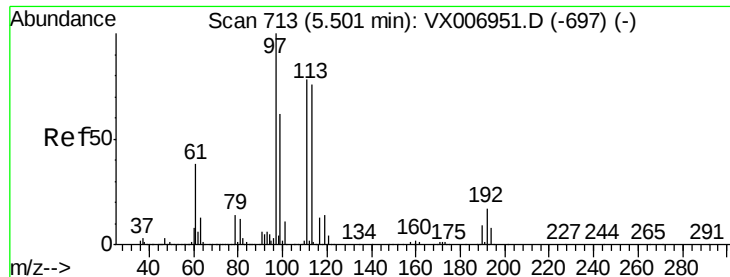
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.858 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW527-2327

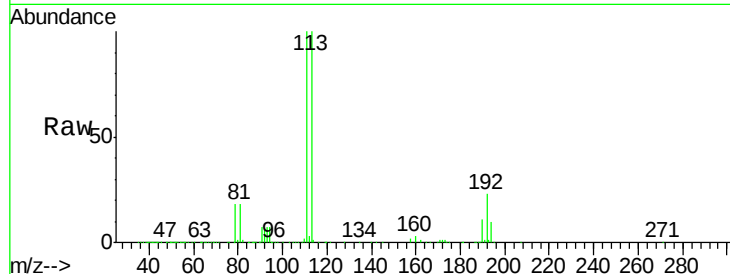
Tot Ion:113 Resp: 247145

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

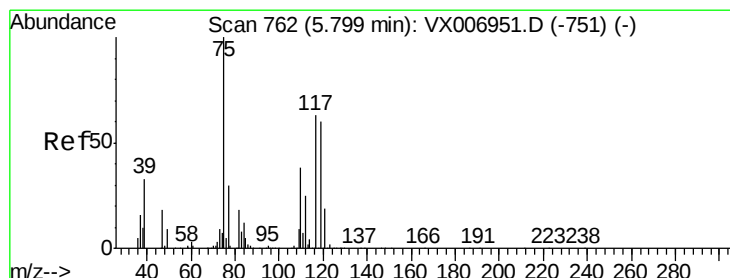
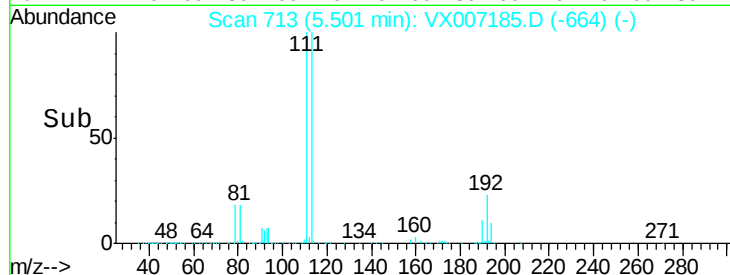
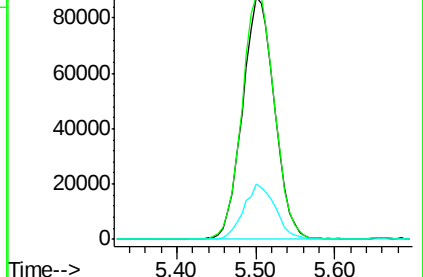
192 22.7 16.7 25.1



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



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

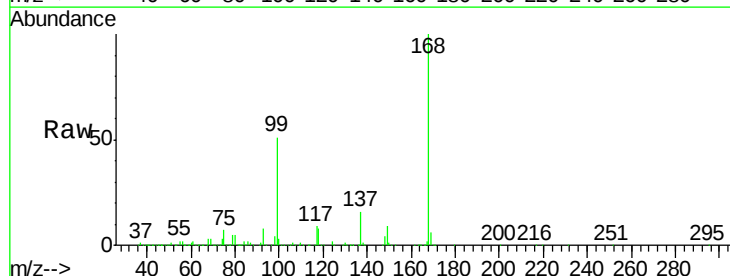
Tgt Ion: 75 Resp: 34708

Ion Ratio Lower Upper

75 100

110 10.3 20.2 60.5#

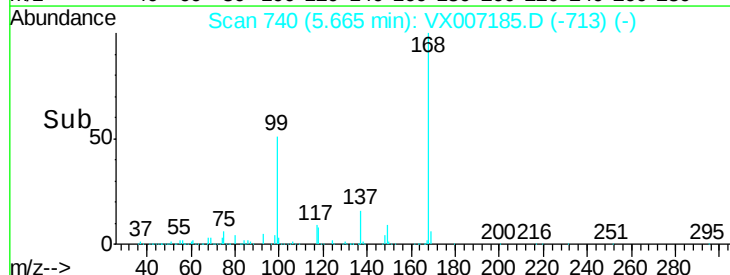
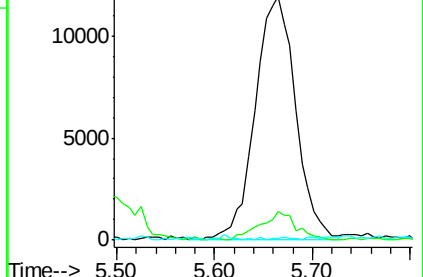
77 0.5 24.8 37.2#

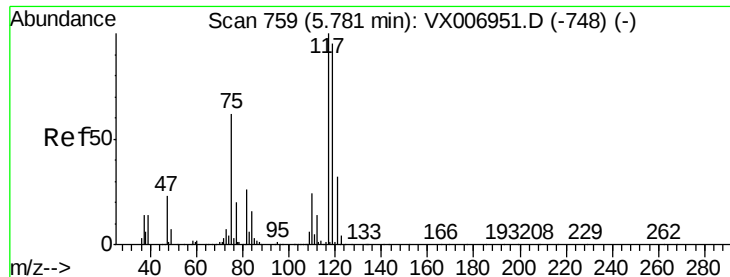


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

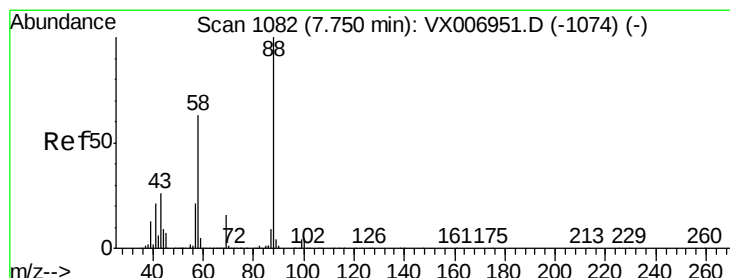
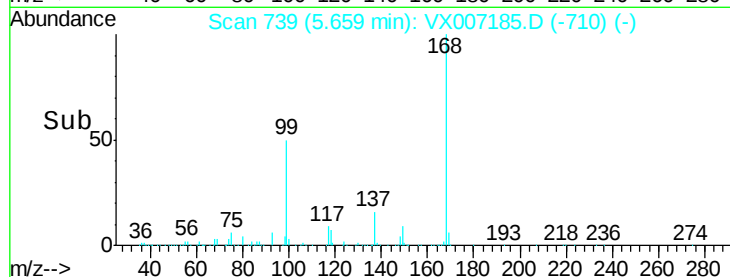
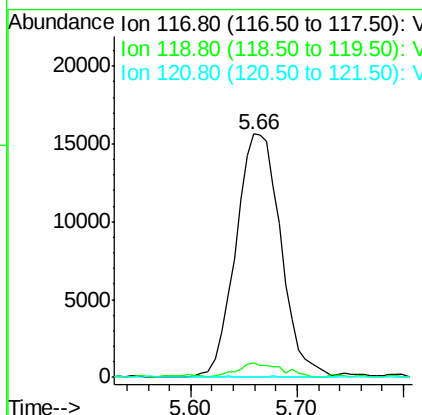
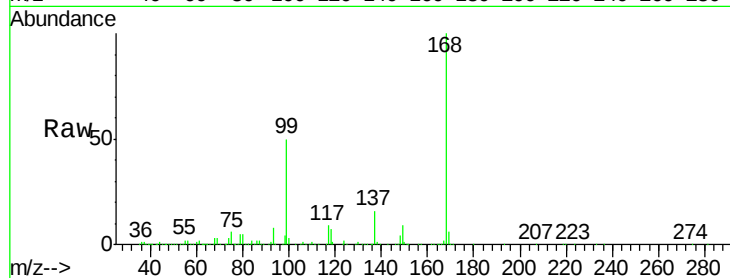




#38
Carbon Tetrachloride
Concen: 6.580 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

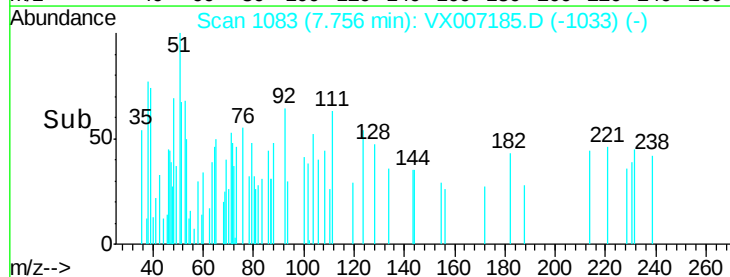
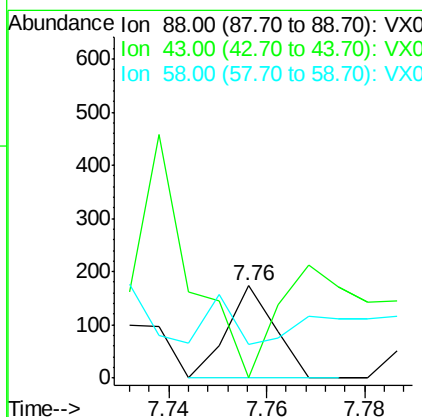
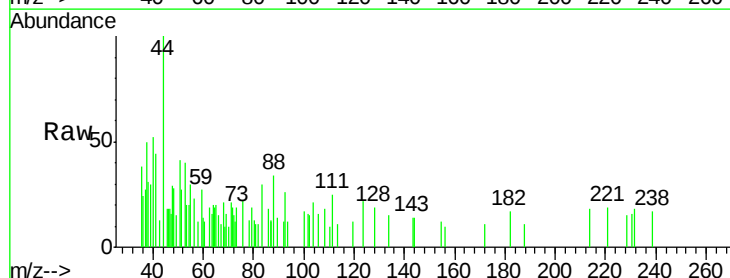
Instrument :
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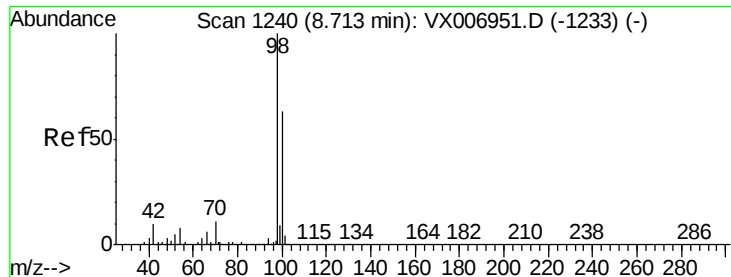
Tot Ion:117 Resp: 46413
Ion Ratio Lower Upper
117 100
119 5.5 79.4 119.2#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007185.D
Acq: 22 Jan 2019 16:48

Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 55.6 51.0 76.4





#50

Toluene-d8

Concen: 50.793 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

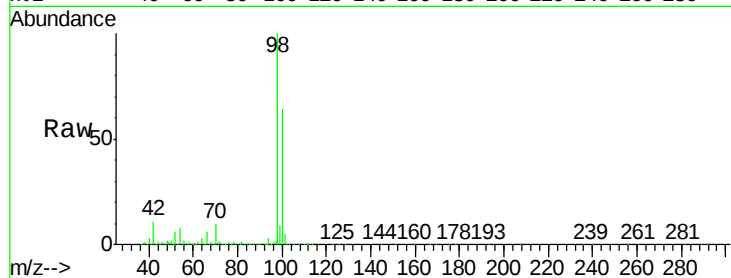
SA-TW527-2327

Tot Ion: 98 Resp: 960111

Ion Ratio Lower Upper

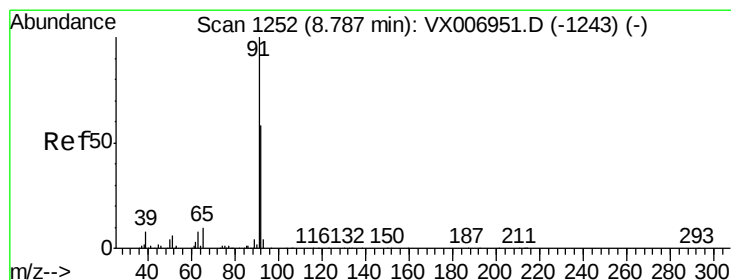
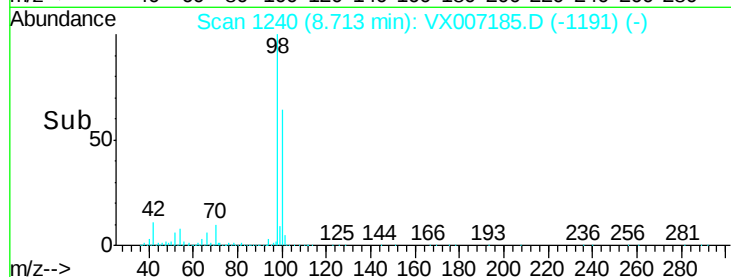
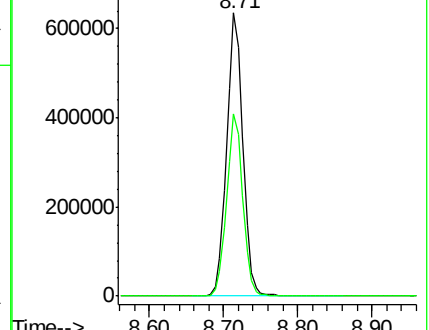
98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.353 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007185.D

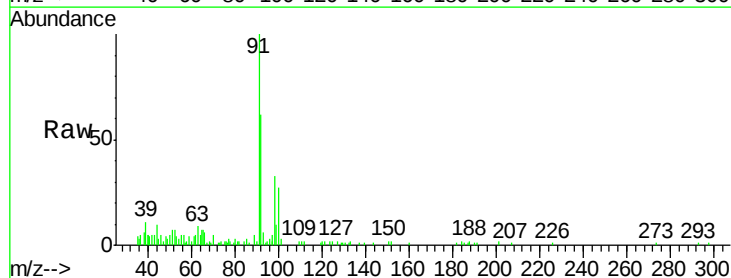
Acq: 22 Jan 2019 16:48

Tgt Ion: 92 Resp: 4857

Ion Ratio Lower Upper

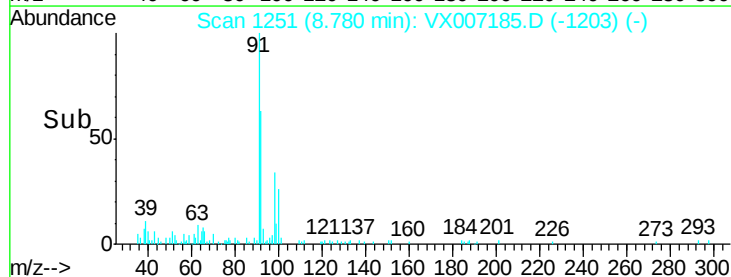
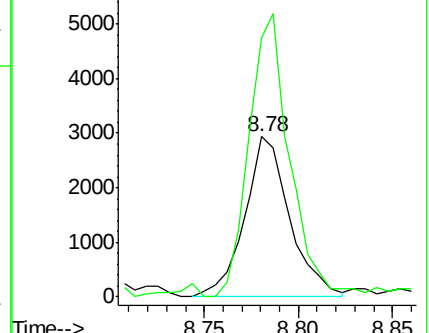
92 100

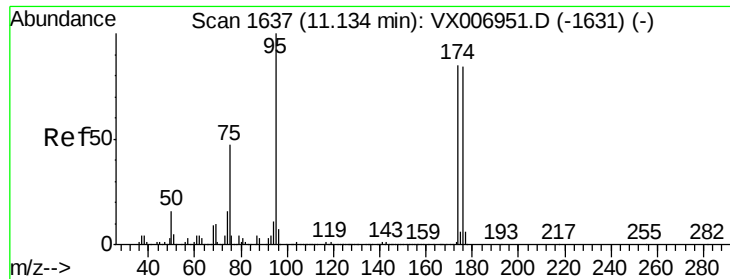
91 160.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW527-2327

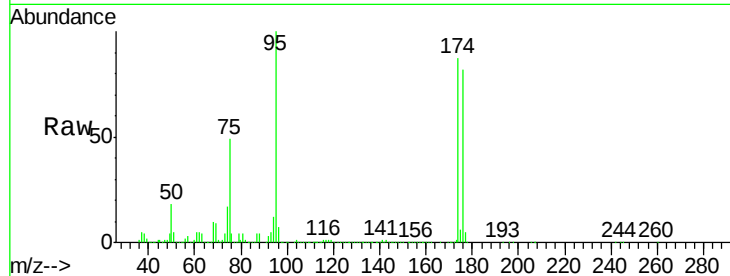
Tot Ion: 95 Resp: 345265

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.2

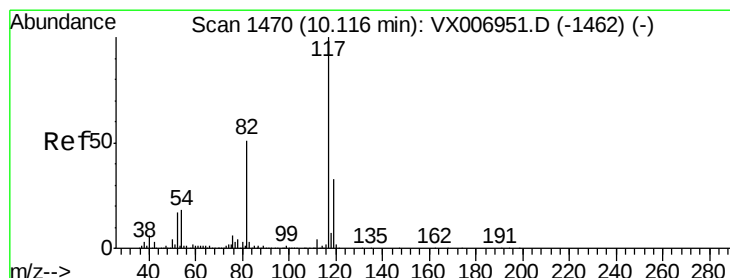
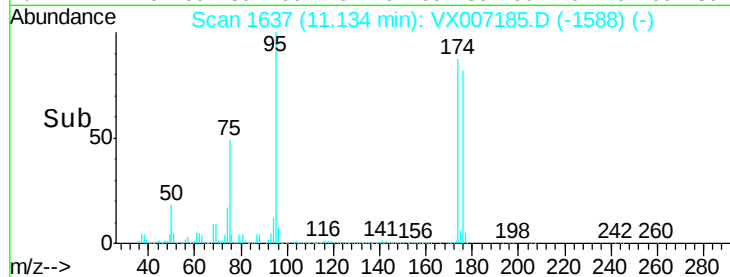
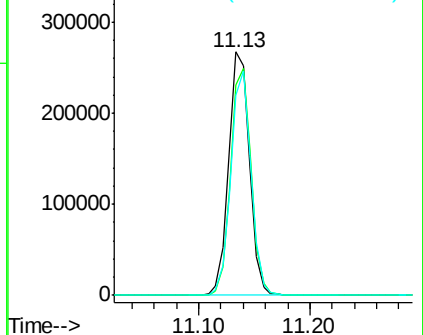
176 89.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

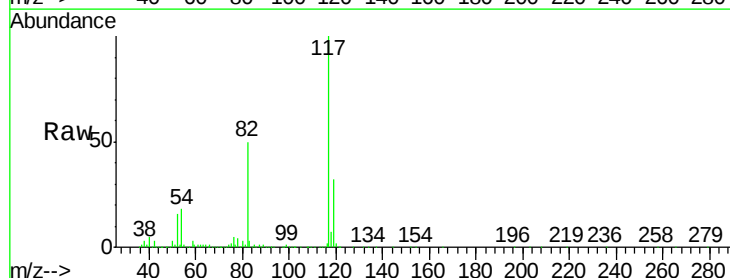
Tgt Ion: 117 Resp: 755242

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.6

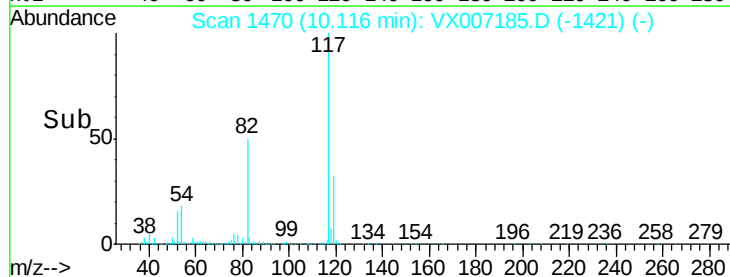
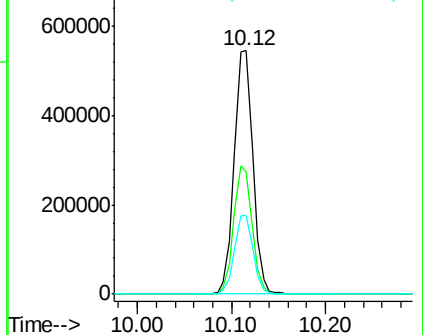
119 32.1 25.4 38.0

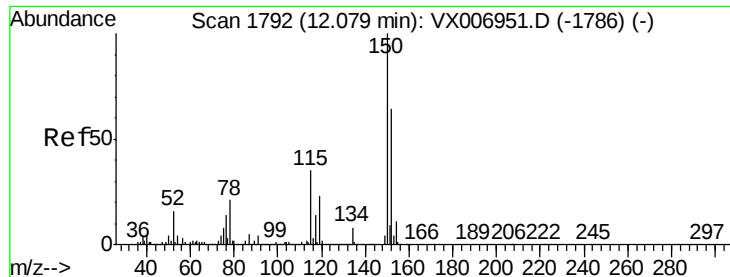


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW527-2327

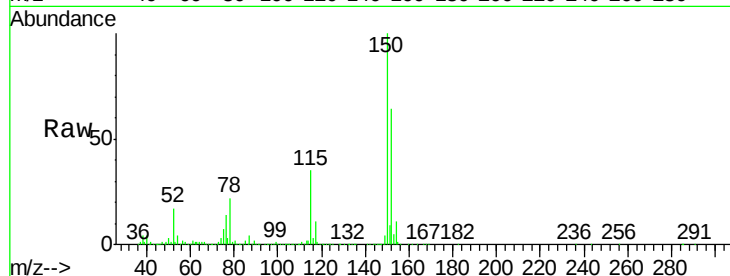
Tot Ion:152 Resp: 369854

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

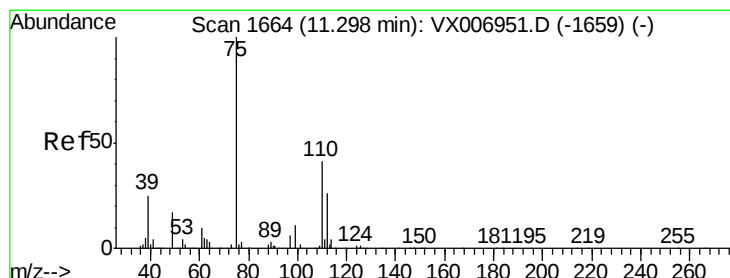
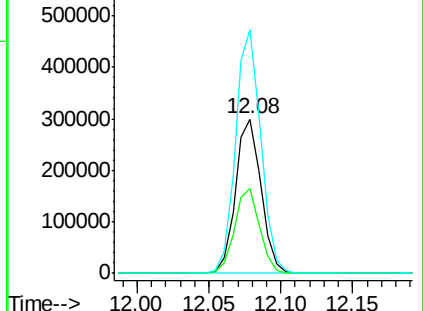
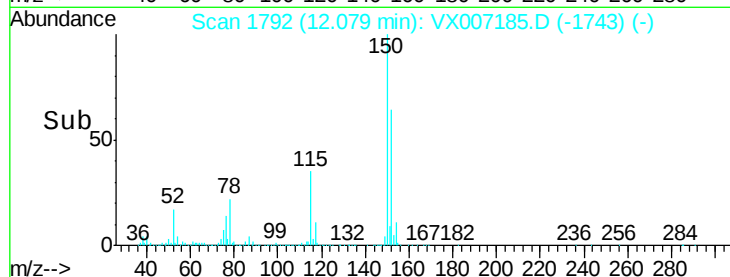
150 156.5 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 22.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007185.D

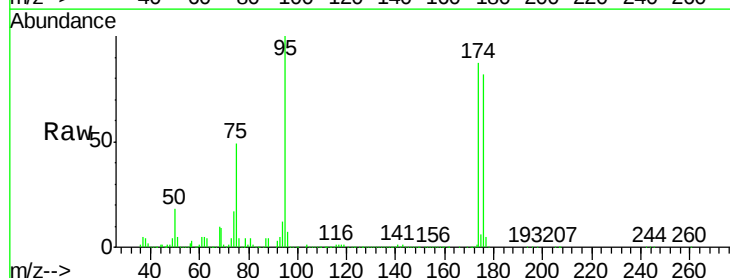
Acq: 22 Jan 2019 16:48

Tgt Ion: 75 Resp: 165722

Ion Ratio Lower Upper

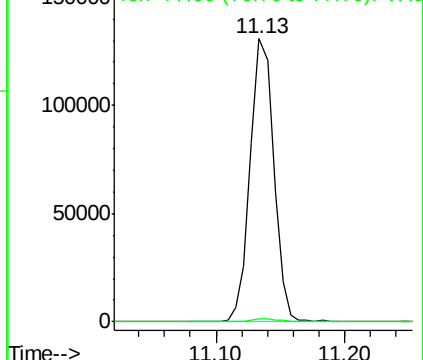
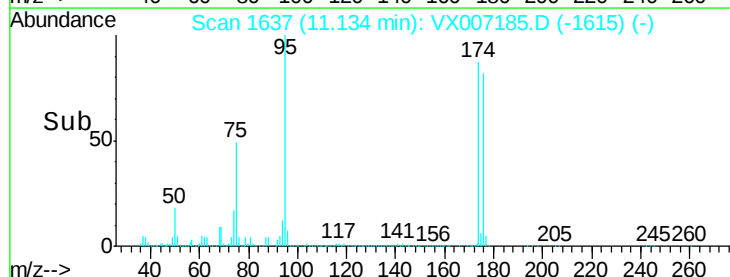
75 100

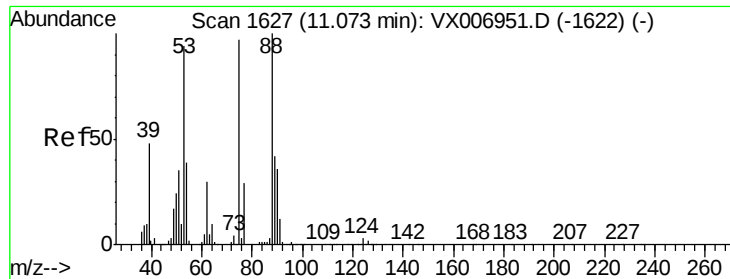
77 1.3 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.463 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-TW527-2327

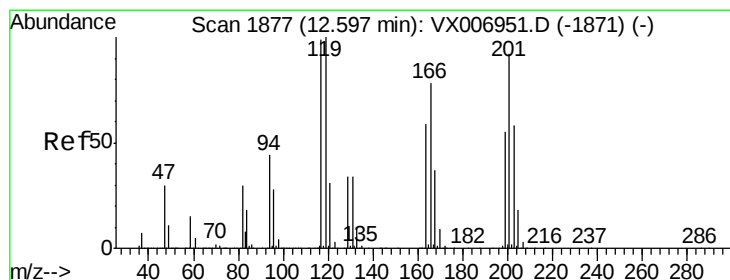
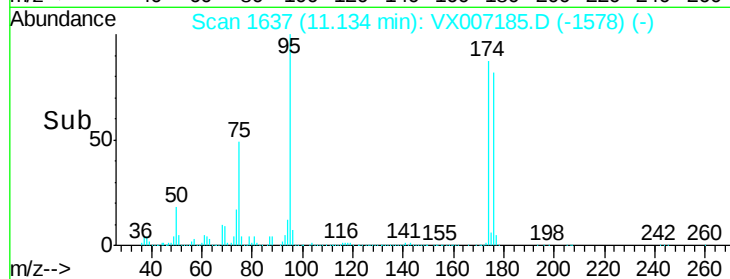
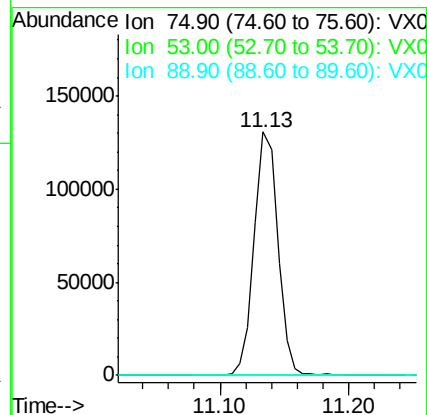
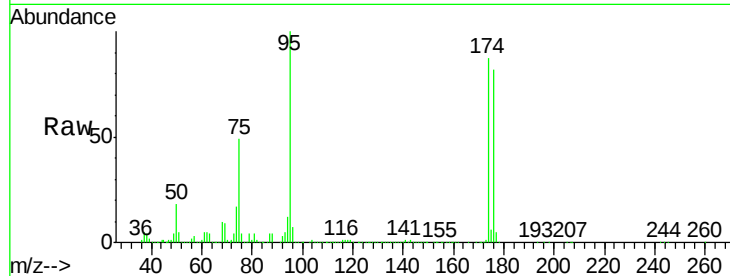
Tot Ion: 75 Resp: 165722

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 2.931 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007185.D

Acq: 22 Jan 2019 16:48

Tgt Ion: 117 Resp: 90

Ion Ratio Lower Upper

117 100

201 111.1 42.9 128.7

