

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007146.D
 Acq On : 18 Jan 2019 20:15
 Operator : JC/SP
 Sample : K1199-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW520-3337

Quant Time: Jan 18 21:54:57 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	510481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	802467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	745479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371266	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	276829	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	5.51	113	248466	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.71	98	957442	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	340463	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

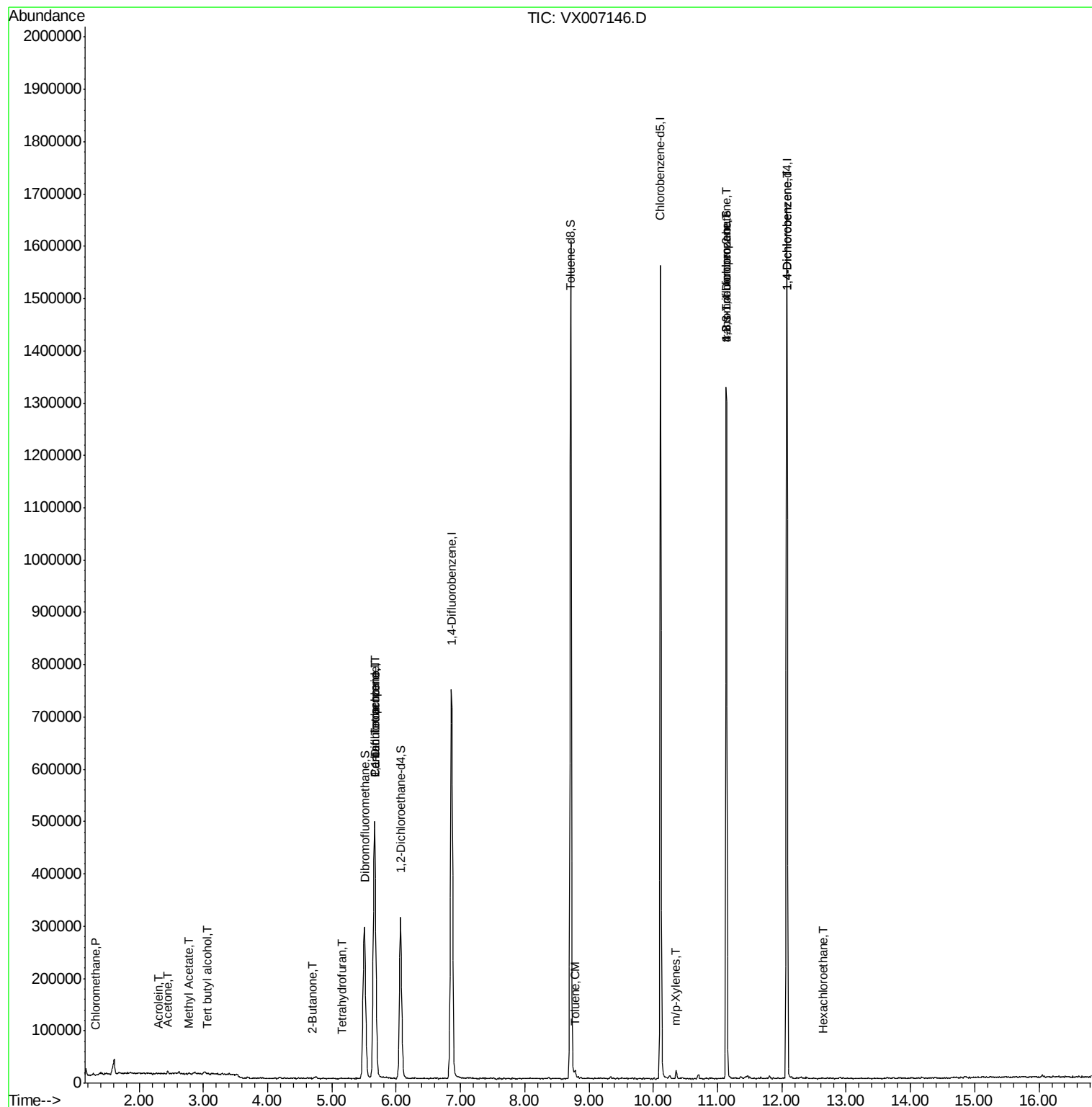
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1150	0.236	ug/l #	54
11) Tert butyl alcohol	3.07	59	596	0.474	ug/l #	1
13) Acrolein	2.30	56	50	3.175	ug/l #	13
16) Acetone	2.45	43	4149	1.573	ug/l #	82
18) Methyl Acetate	2.77	43	2089	0.274	ug/l #	85
20) Methylene Chloride	2.86	84	2220	Below Cal	#	73
25) 2-Butanone	4.70	43	1266	0.335	ug/l #	73
29) Tetrahydrofuran	5.16	42	507	0.207	ug/l #	74
36) 1,1-Dichloropropene	5.67	75	33379	4.784	ug/l #	50
38) Carbon Tetrachloride	5.66	117	45657	6.504	ug/l #	15
49) 1,4-Dioxane	7.74	88	80	Below Cal	#	1
52) Toluene	8.79	92	4807	0.351	ug/l	82
68) m/p-Xylenes	10.35	106	3667	0.347	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	162815	21.641	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	162815	64.150	ug/l #	10
88) 1,4-Dichlorobenzene	12.08	146	873	0.215	ug/l #	1
90) Hexachloroethane	12.64	117	30	2.916	ug/l #	6

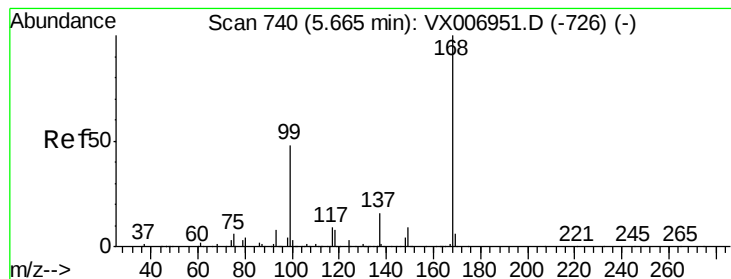
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 08 14:06:59 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

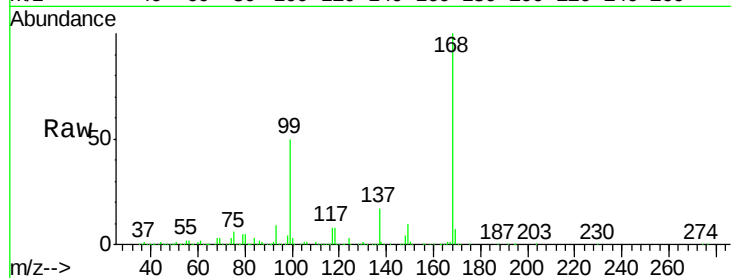
SA-TW520-3337

Tot Ion:168 Resp: 510481

Ion Ratio Lower Upper

168 100

99 49.6 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

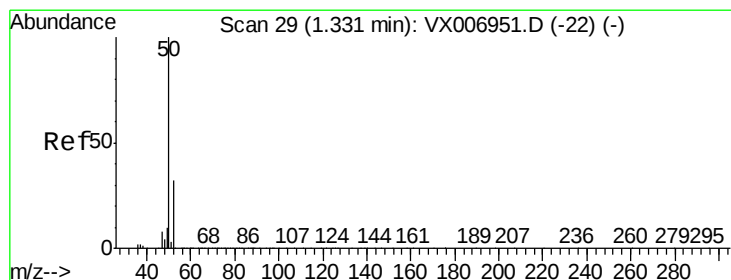
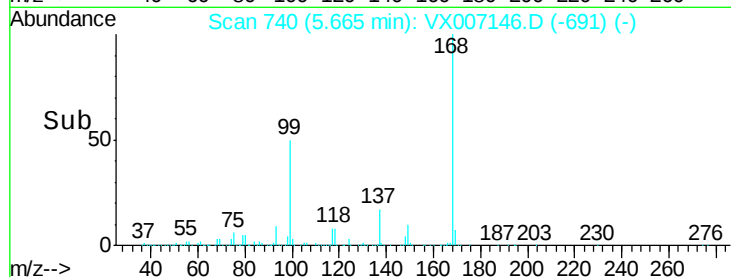
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007146.D

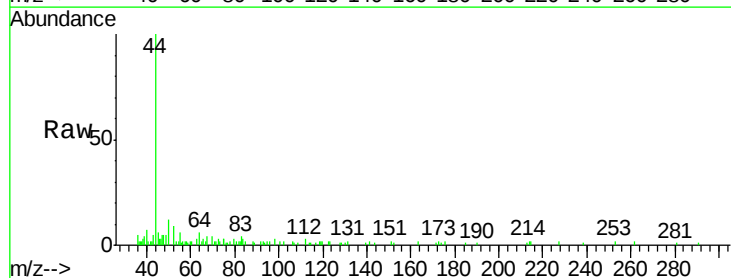
Acq: 18 Jan 2019 20:15

Tgt Ion: 50 Resp: 1150

Ion Ratio Lower Upper

50 100

52 57.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

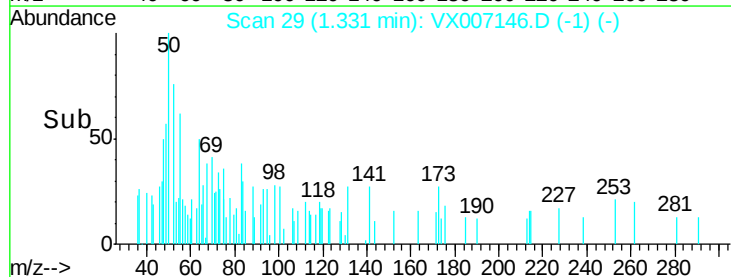
600

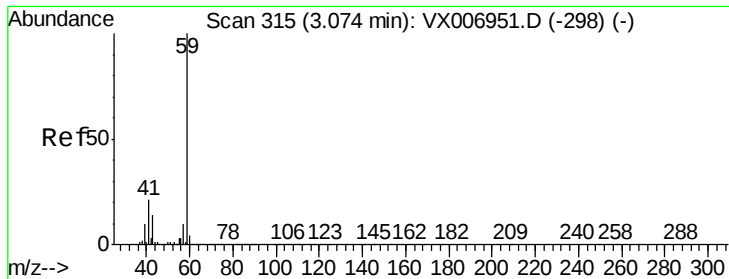
400

200

0

Time-->



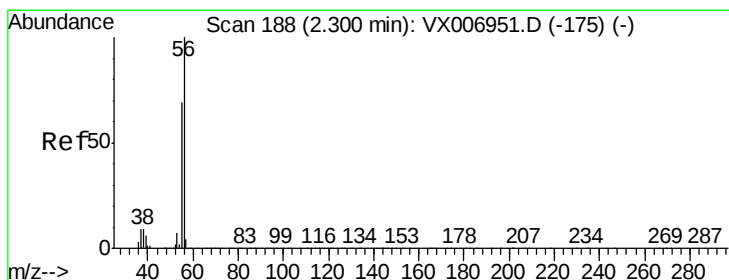
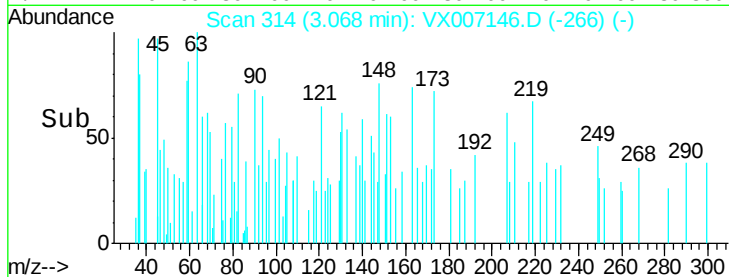
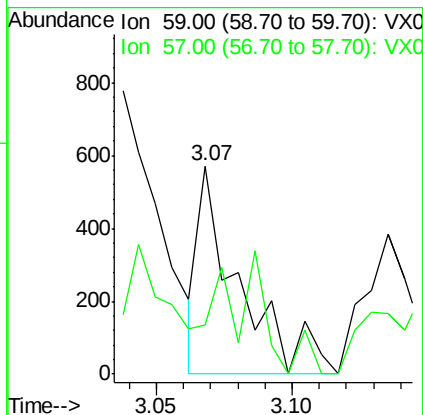
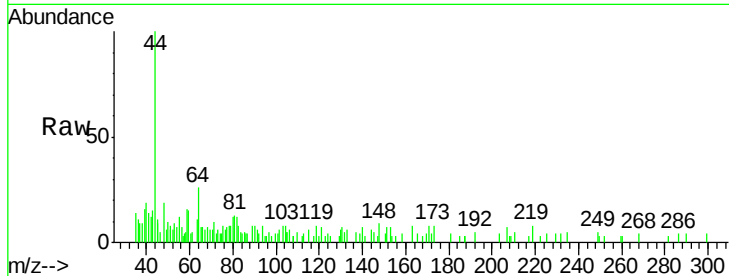


#11

Tert butyl alcohol
 Concen: 0.474 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007146.D
 Acq: 18 Jan 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW520-3337

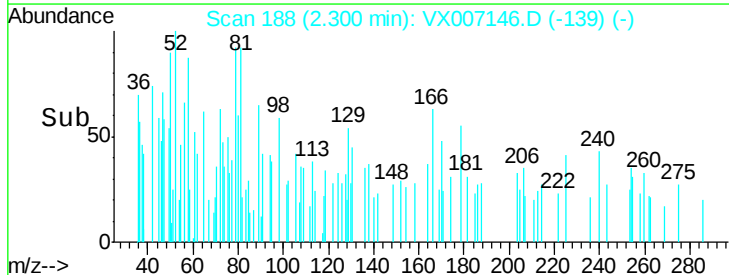
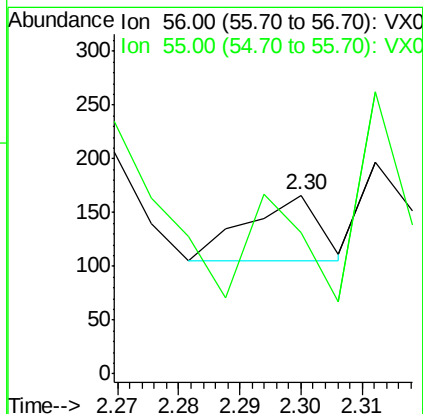
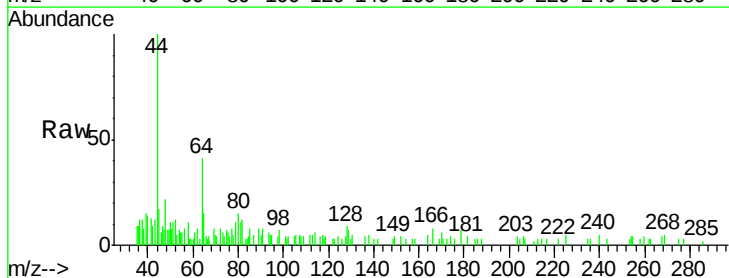
Tot Ion: 59 Resp: 596
 Ion Ratio Lower Upper
 59 100
 57 57.0 8.5 12.7#

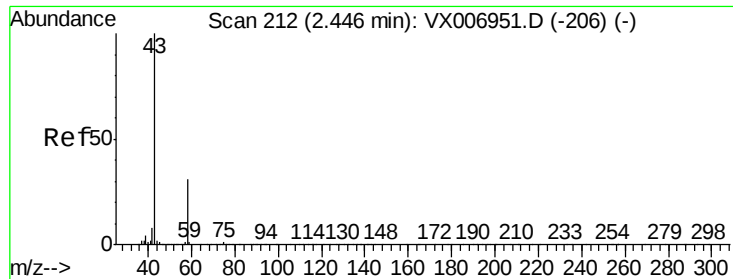


#13

Acrolein
 Concen: 3.175 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VX007146.D
 Acq: 18 Jan 2019 20:15

Tgt Ion: 56 Resp: 50
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.4#

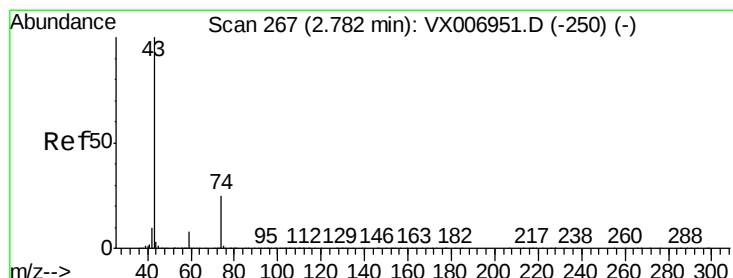
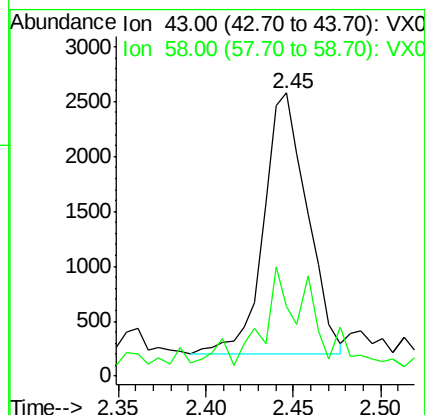
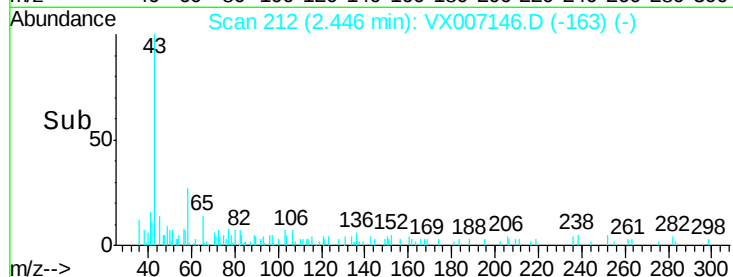
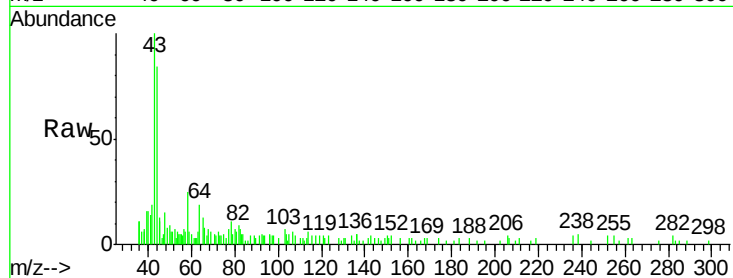




#16
Acetone
Concen: 1.573 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007146.D
Acq: 18 Jan 2019 20:15

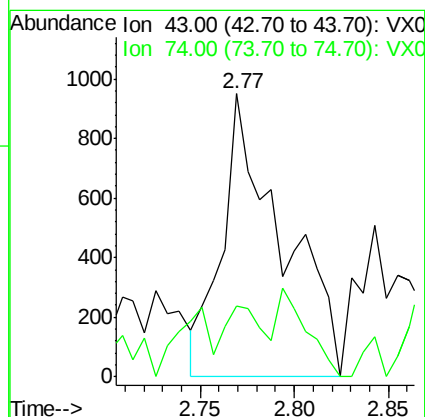
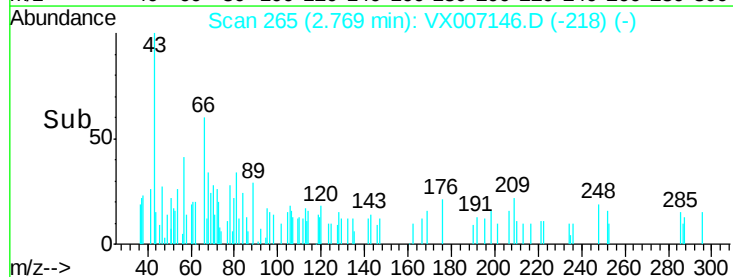
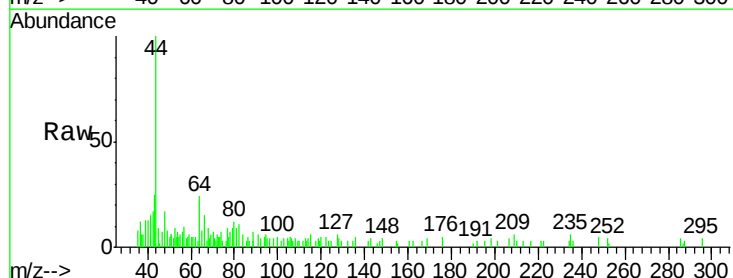
Instrument :
MSVOA_X
ClientSampleId :
SA-TW520-3337

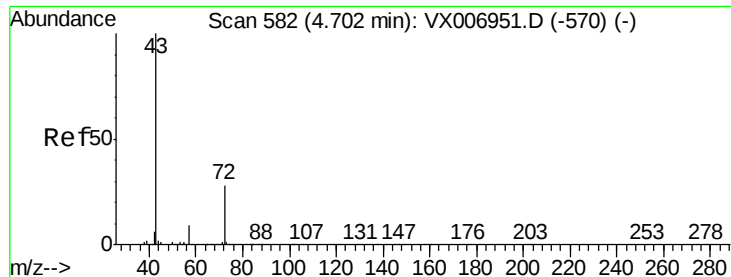
Tot Ion: 43 Resp: 4149
Ion Ratio Lower Upper
43 100
58 21.3 25.0 37.6#



#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX007146.D
Acq: 18 Jan 2019 20:15

Tgt Ion: 43 Resp: 2089
Ion Ratio Lower Upper
43 100
74 16.1 18.6 28.0#





#25

2-Butanone

Concen: 0.335 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

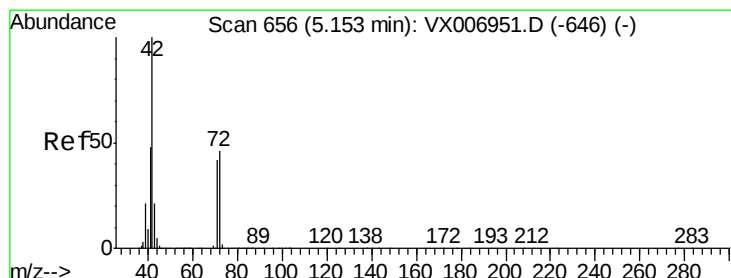
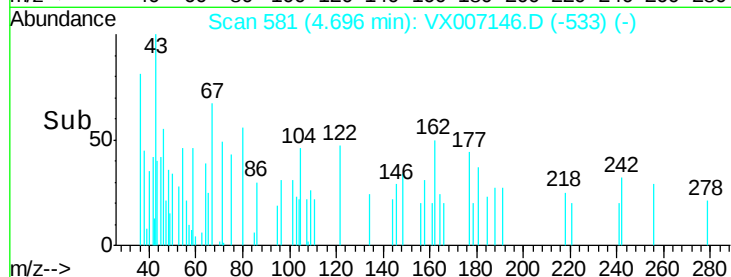
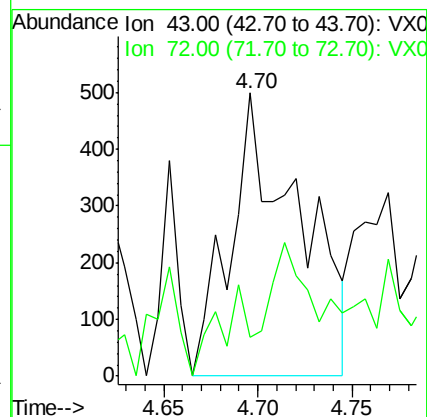
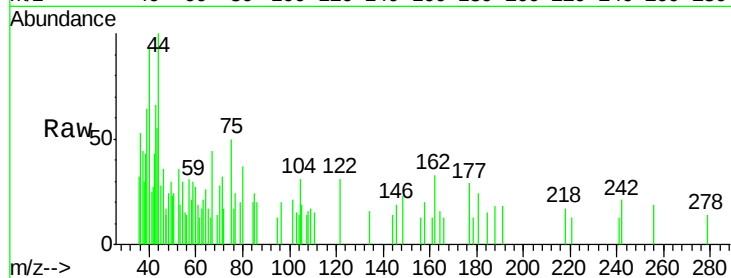
SA-TW520-3337

Tot Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

72 13.6 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

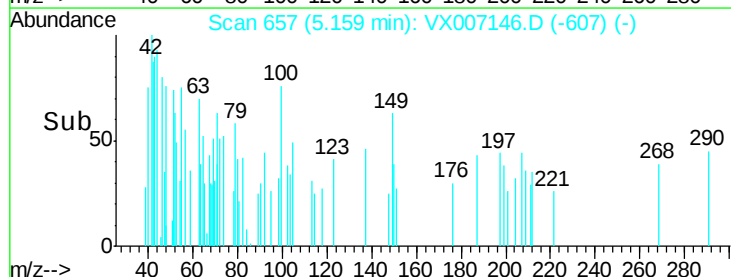
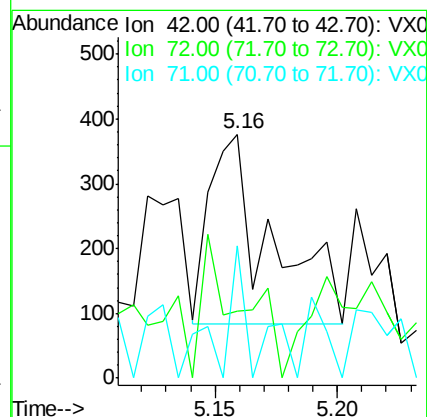
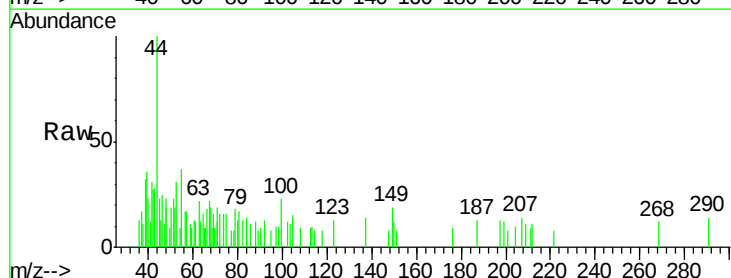
Tgt Ion: 42 Resp: 507

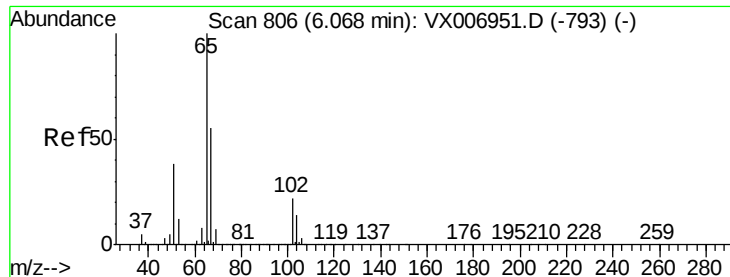
Ion Ratio Lower Upper

42 100

72 48.1 38.9 58.3

71 11.0 36.2 54.4#





#33

1,2-Dichloroethane-d4

Concen: 51.890 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

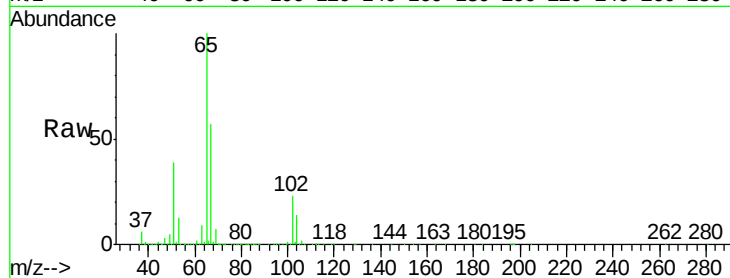
SA-TW520-3337

Tot Ion: 65 Resp: 276829

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

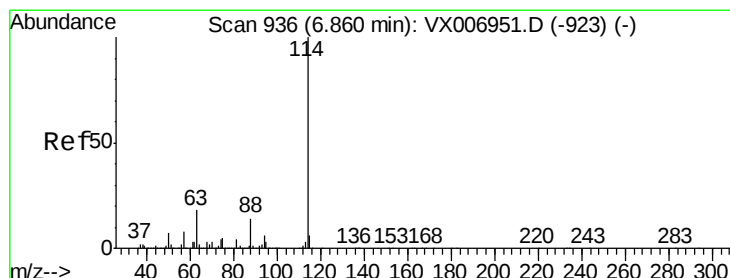
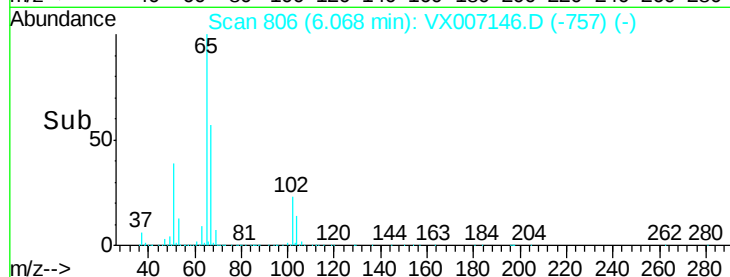
60000

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: VX007146.D

Acq: 18 Jan 2019 20:15

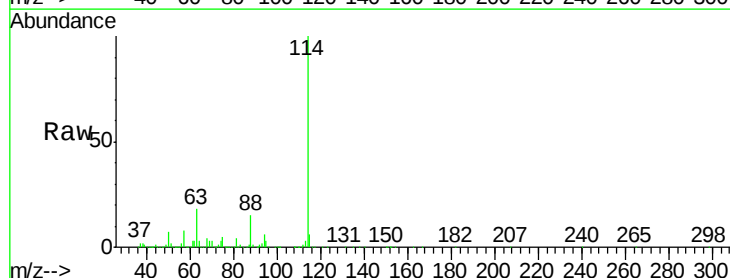
Tgt Ion: 114 Resp: 802467

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

88 14.9 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

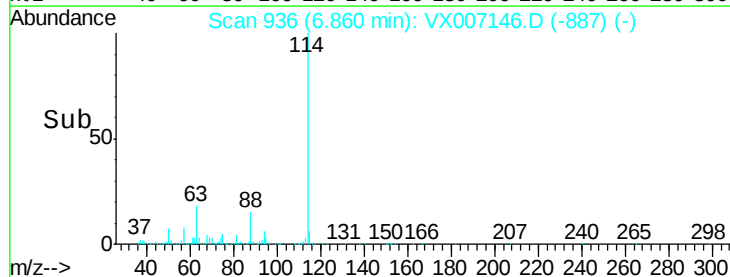
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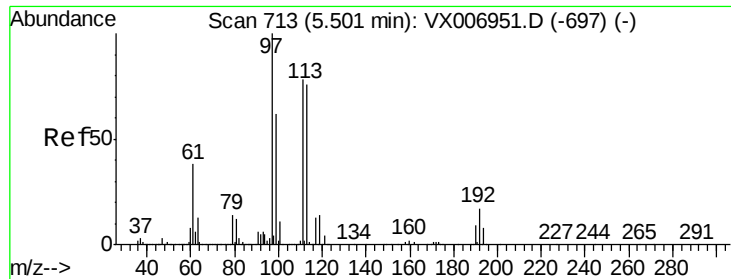
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100000

0

Time-->

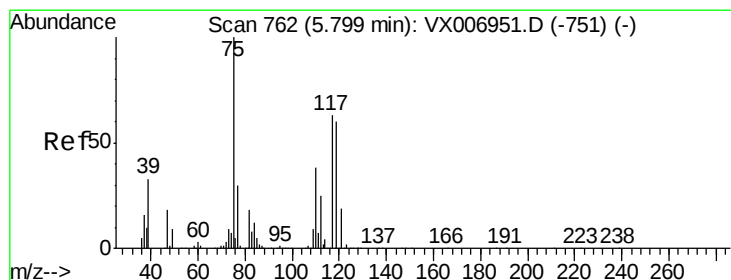
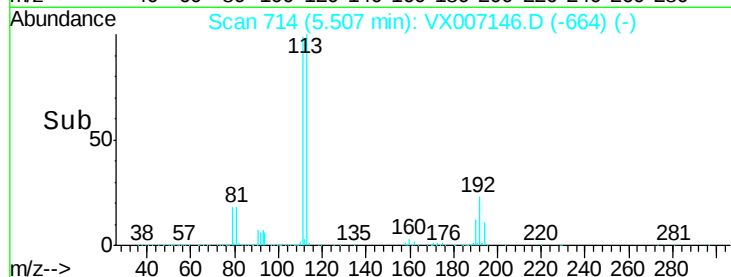
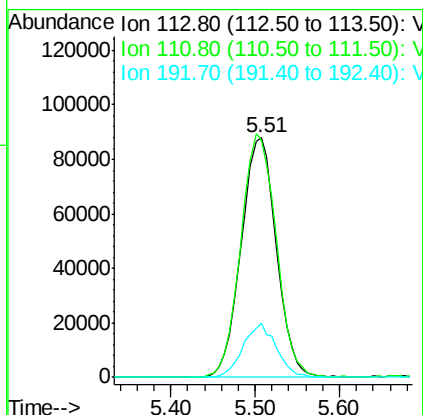
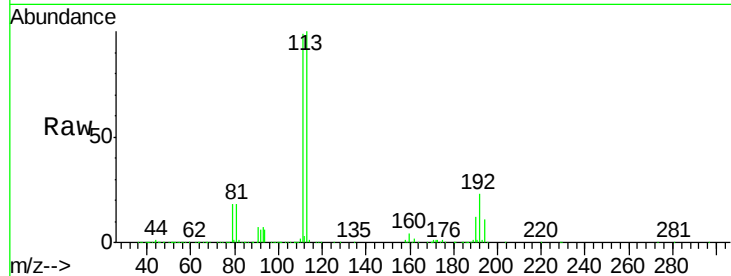




#35
 Dibromofluoromethane
 Concen: 48.350 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007146.D
 Acq: 18 Jan 2019 20:15

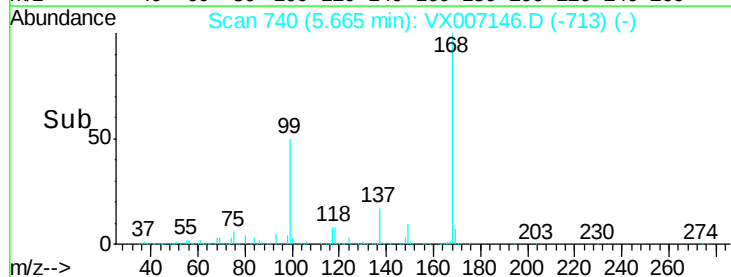
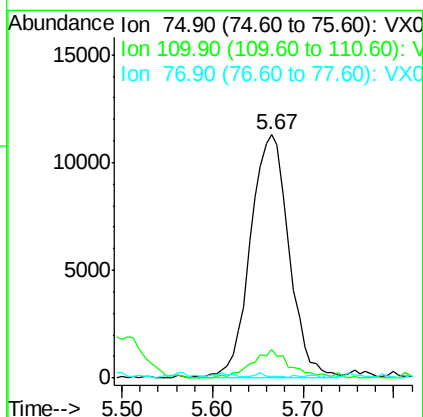
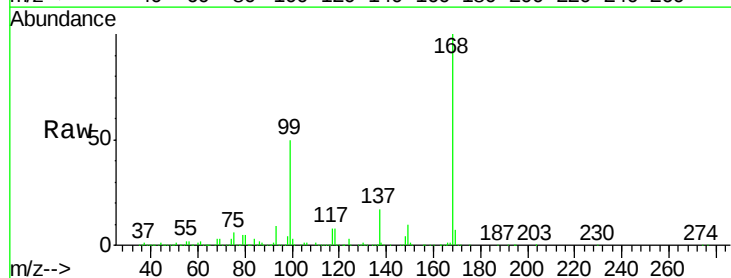
Instrument :
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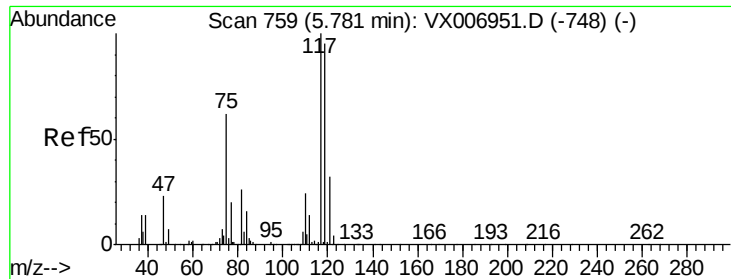
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	21.4	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007146.D
 Acq: 18 Jan 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.2	60.5#
77	0.5	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.504 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-3337

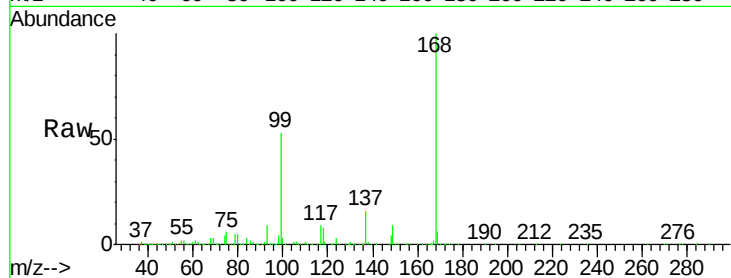
Tot Ion:117 Resp: 45657

Ion Ratio Lower Upper

117 100

119 5.3 79.4 119.2#

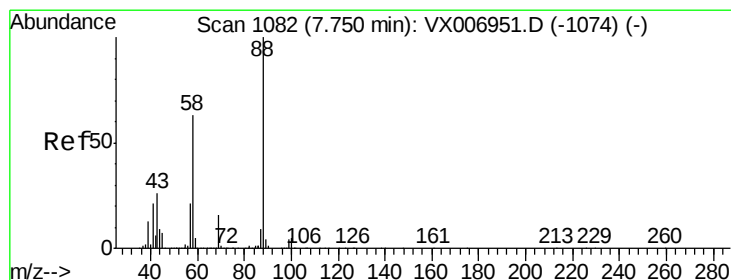
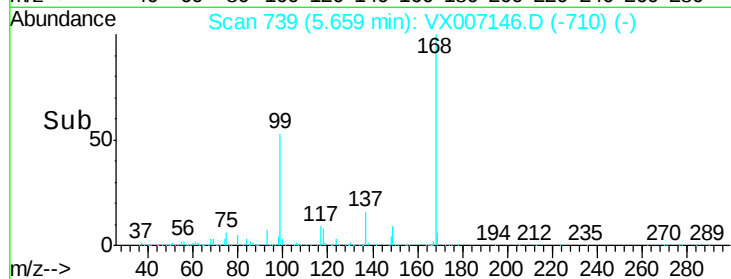
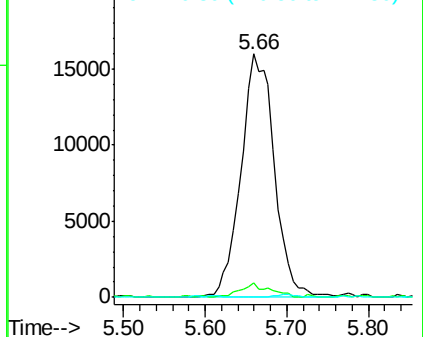
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

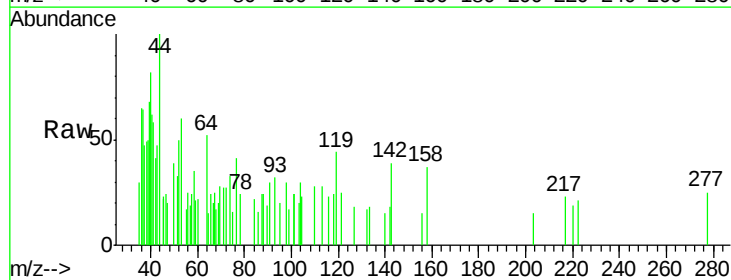
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

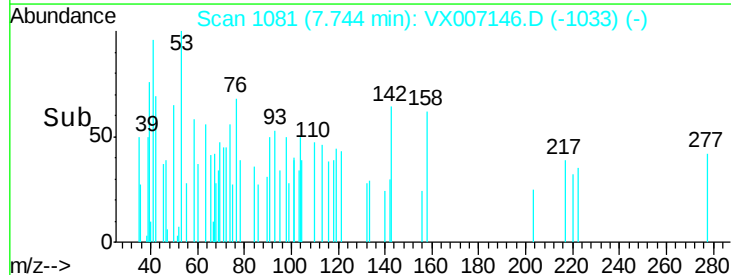
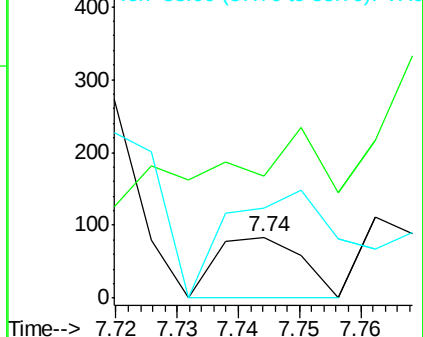
58 245.0 51.0 76.4#

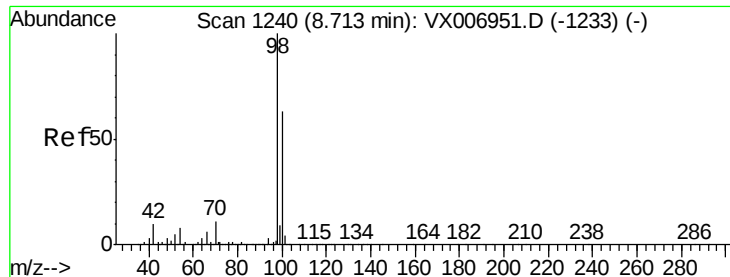


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.900 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

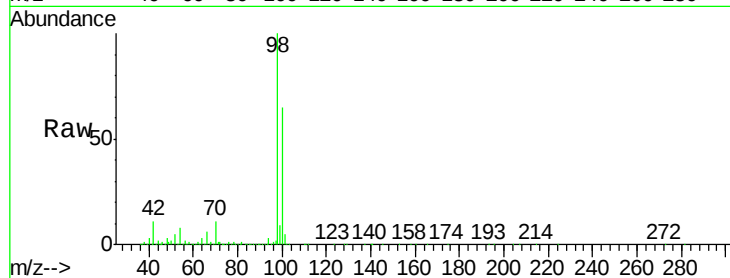
SA-TW520-3337

Tot Ion: 98 Resp: 957442

Ion Ratio Lower Upper

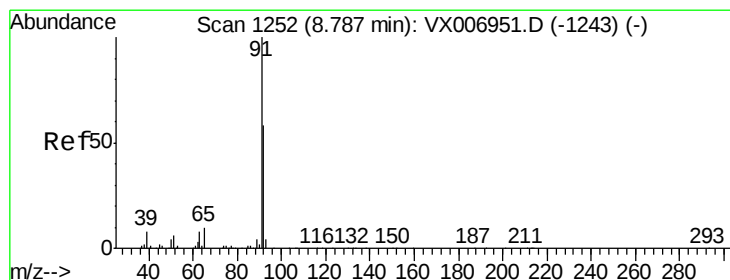
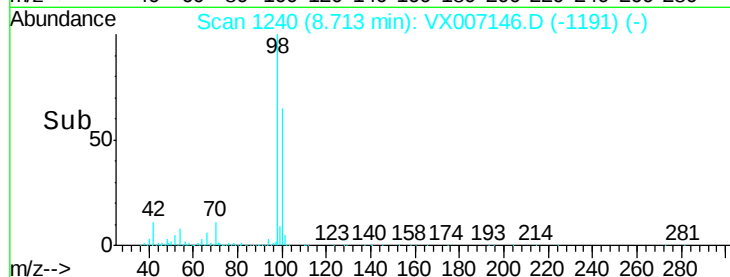
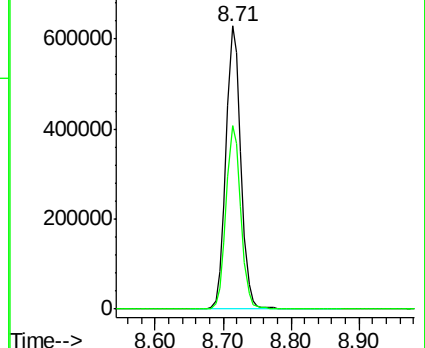
98 100

100 64.4 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: 0.351 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007146.D

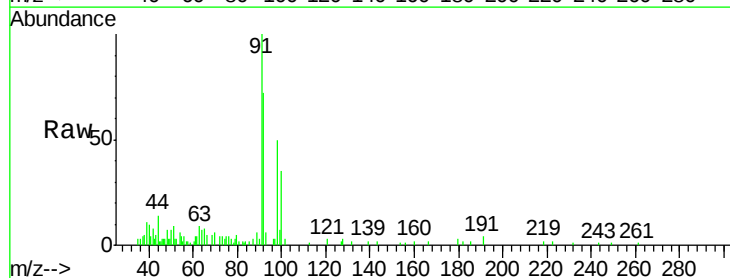
Acq: 18 Jan 2019 20:15

Tgt Ion: 92 Resp: 4807

Ion Ratio Lower Upper

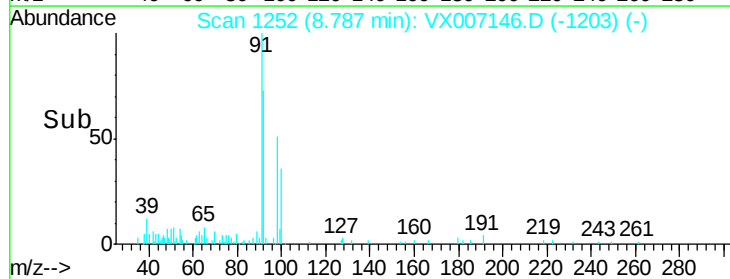
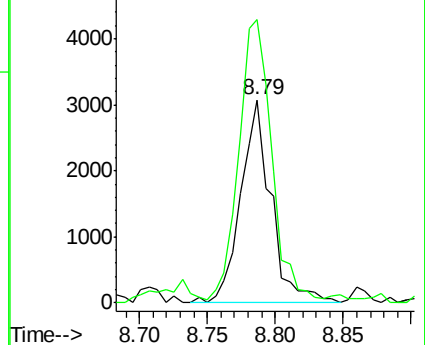
92 100

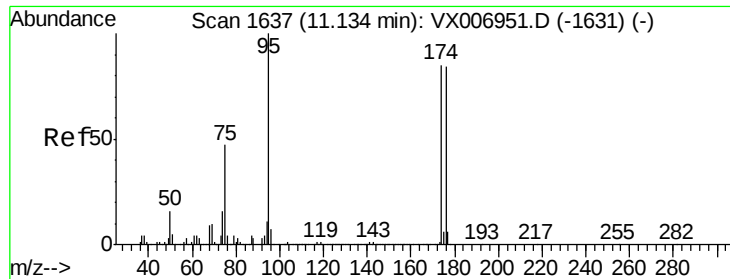
91 147.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

SA-TW520-3337

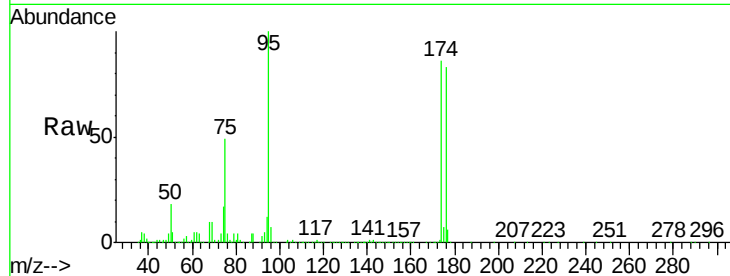
Tot Ion: 95 Resp: 340463

Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.2

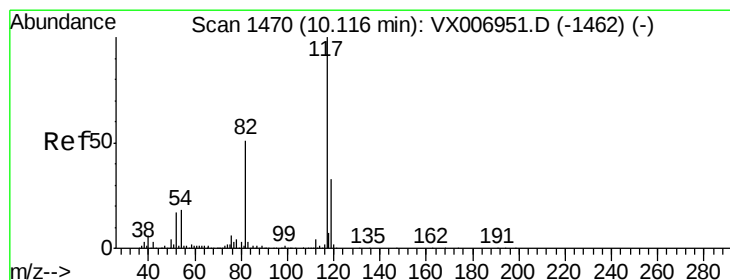
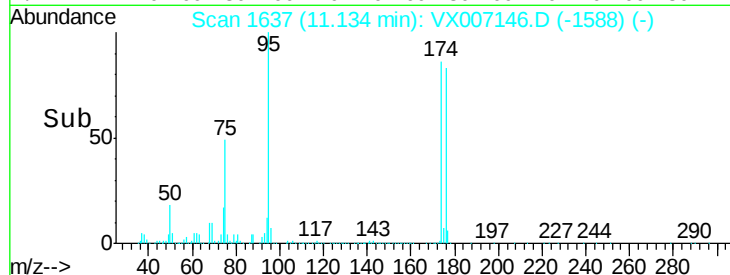
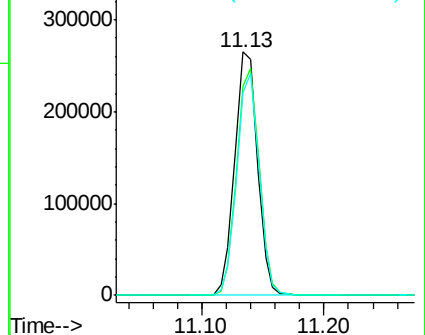
176 89.4 0.0 178.8



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: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

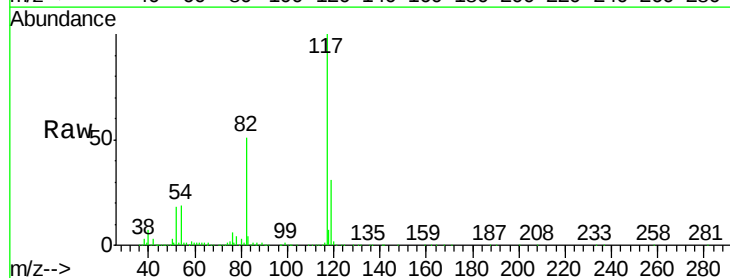
Tgt Ion: 117 Resp: 745479

Ion Ratio Lower Upper

117 100

82 51.2 41.0 61.6

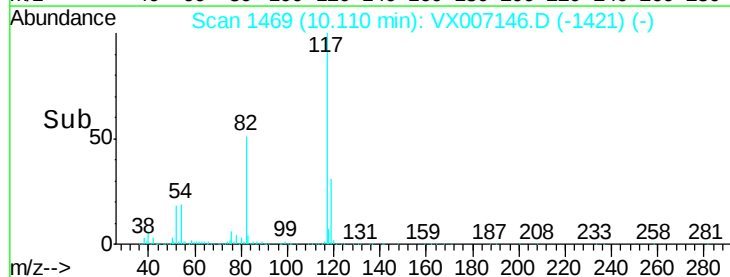
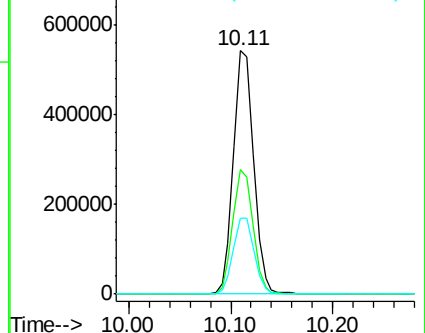
119 31.1 25.4 38.0

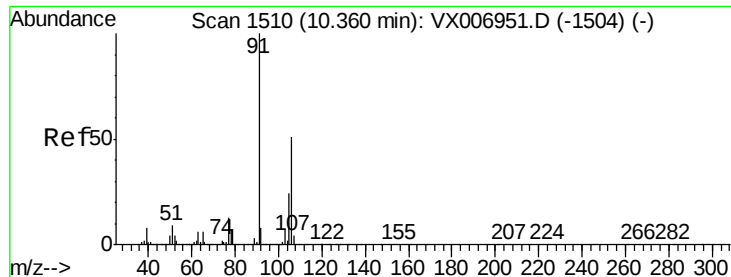


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xvlenes

Concen: 0.347 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

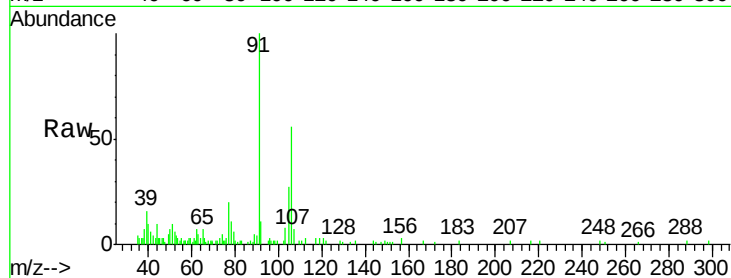
SA-TW520-3337

Tot Ion:106 Resp: 3667

Ion Ratio Lower Upper

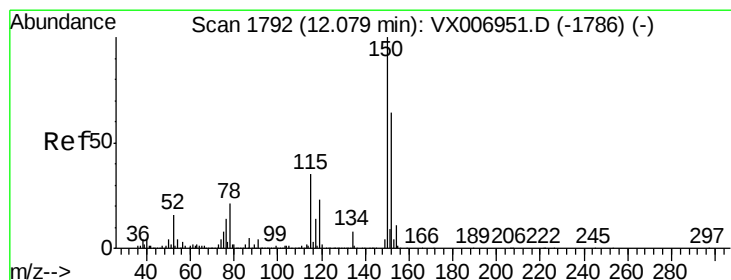
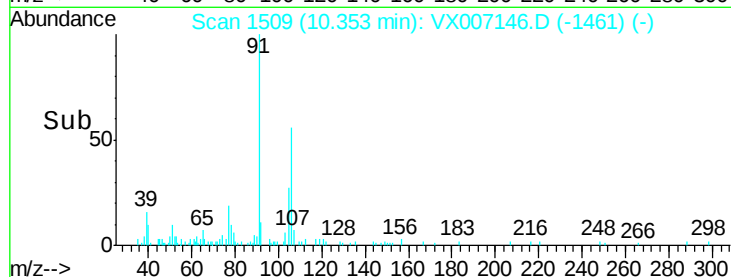
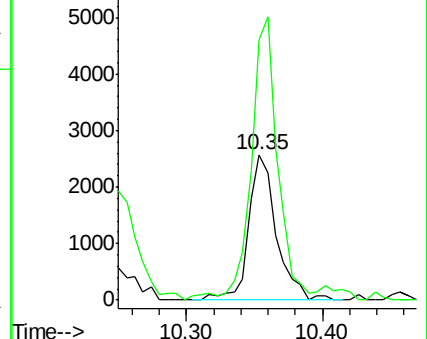
106 100

91 186.3 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

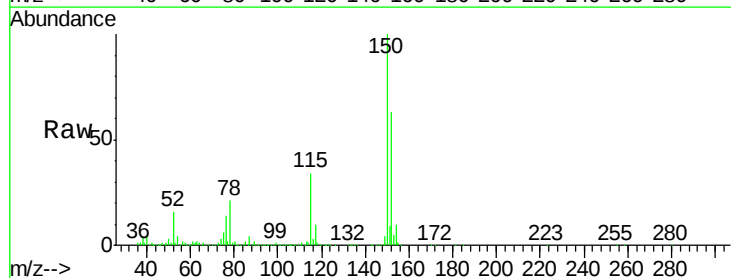
Tgt Ion:152 Resp: 371266

Ion Ratio Lower Upper

152 100

115 54.0 39.1 117.2

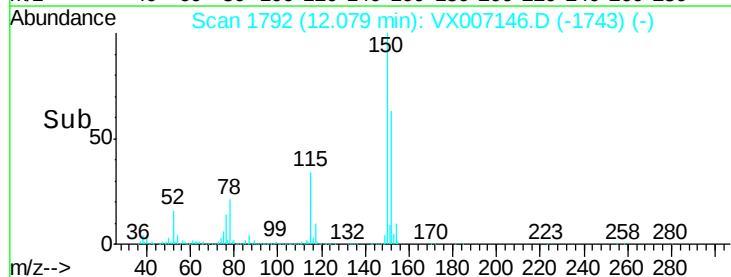
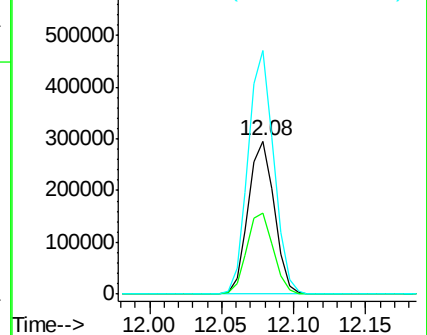
150 156.6 0.0 344.8

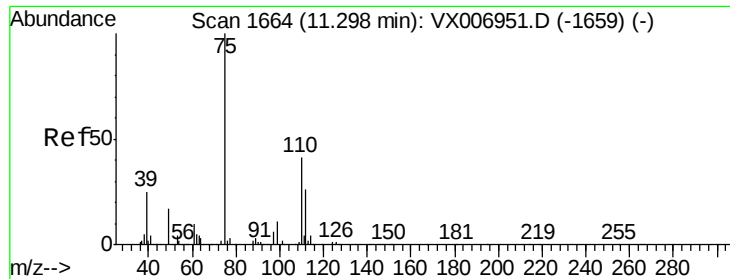


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.641 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

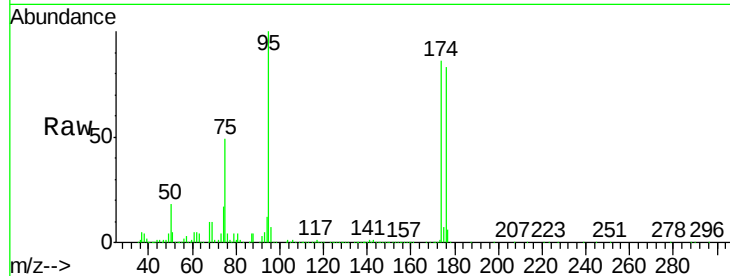
SA-TW520-3337

Tot Ion: 75 Resp: 162815

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

150000

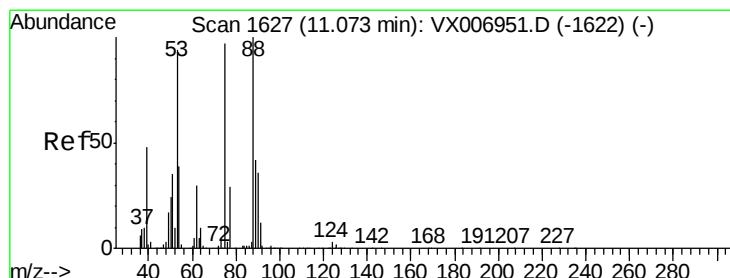
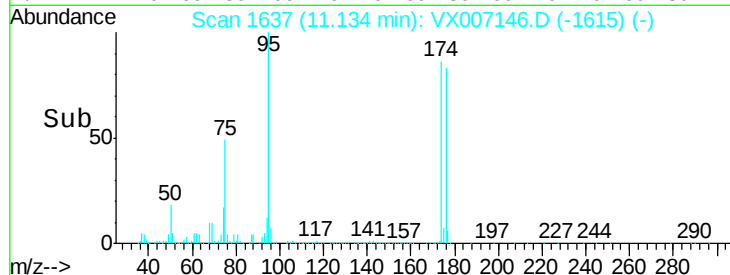
100000

50000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.150 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

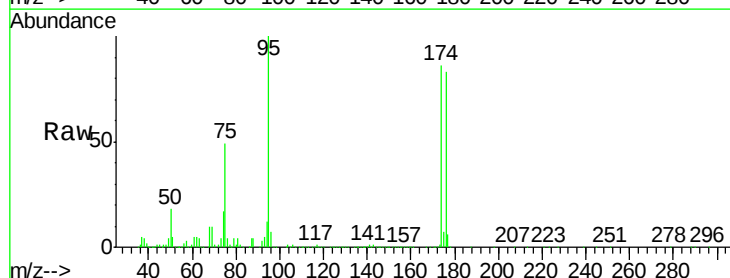
Tgt Ion: 75 Resp: 162815

Ion Ratio Lower Upper

75 100

53 0.5 79.7 119.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

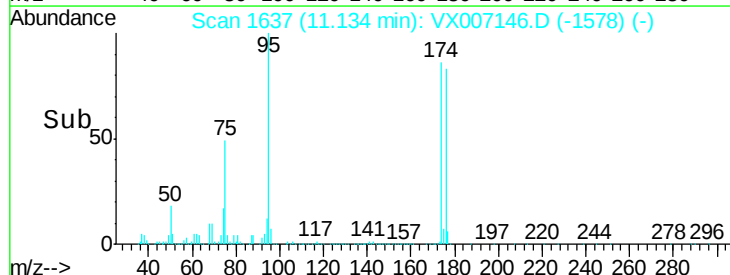
100000

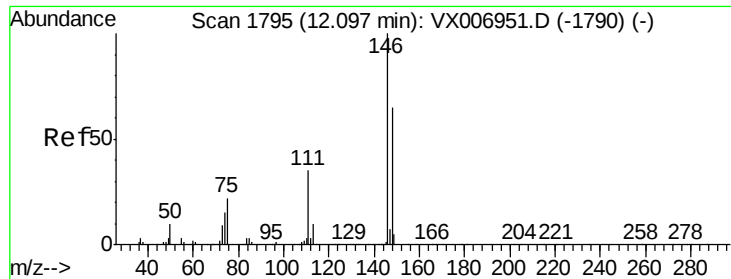
50000

0

Time-->

11.10 11.20





#88

1,4-Dichlorobenzene

Concen: 0.215 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VX007146.D

Acq: 18 Jan 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-TW520-3337

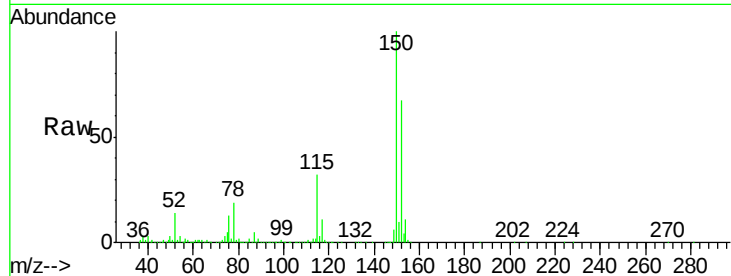
Tot Ion:146 Resp: 873

Ion Ratio Lower Upper

146 100

111 573.4 18.1 54.1#

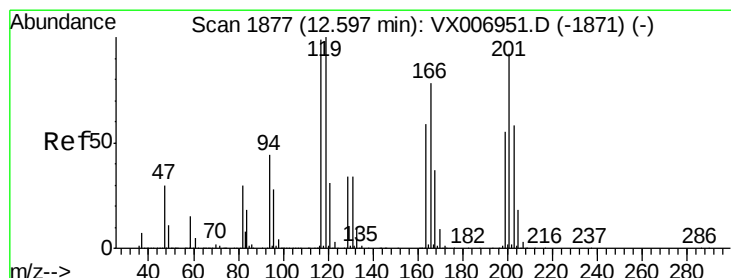
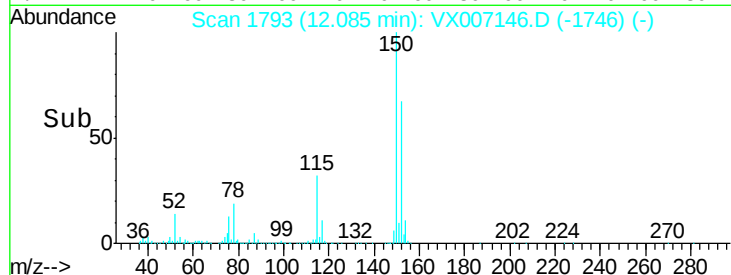
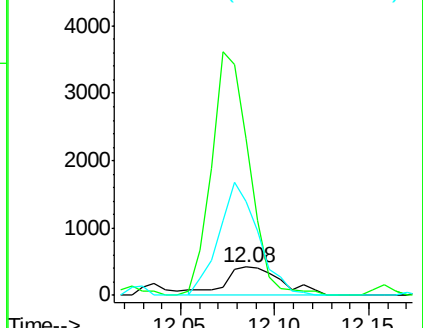
148 281.2 31.9 95.9#



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



#90

Hexachloroethane

Concen: 2.916 ug/l

RT: 12.64 min Scan# 1884

Delta R.T. 0.04 min

Lab File: VX007146.D

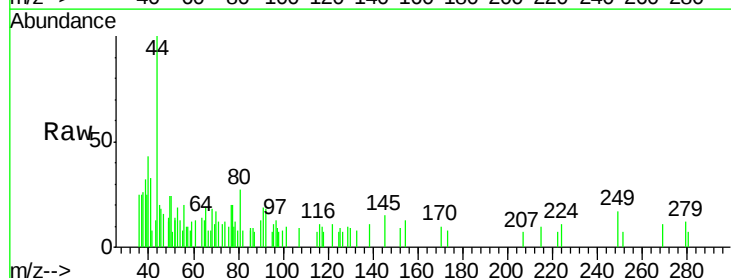
Acq: 18 Jan 2019 20:15

Tgt Ion:117 Resp: 30

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

