

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007720.D
 Acq On : 26 Feb 2019 18:12
 Operator : JC/SP
 Sample : K1628-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-022619

Quant Time: Feb 27 00:19:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	321067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	564643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	521736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232400	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	203269	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	5.50	113	190647	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.71	98	673616	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
62) 4-Bromofluorobenzene	11.13	95	232650	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

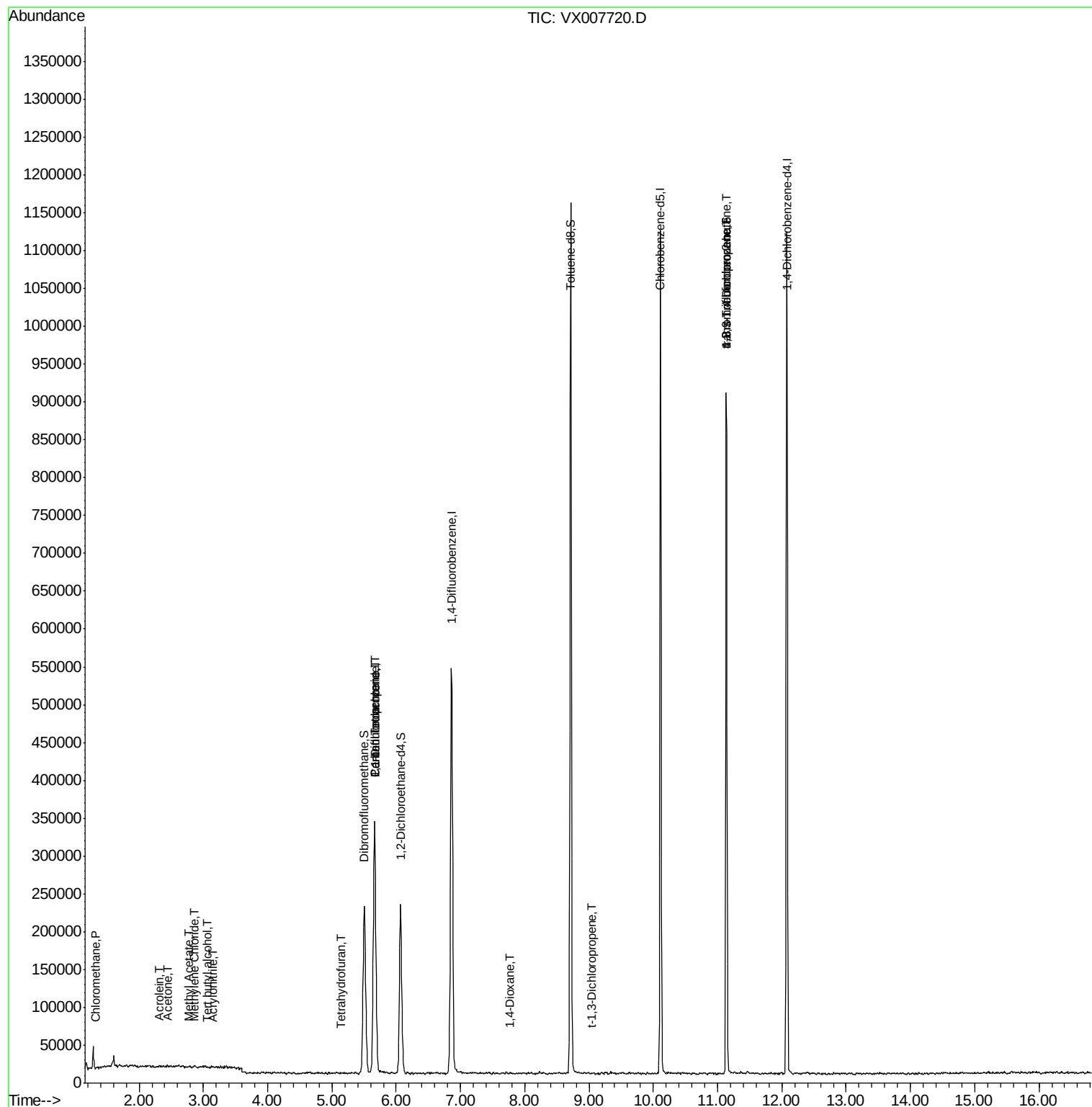
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	988	0.301	ug/l #	88
5) Bromomethane	1.65	94	224	Below Cal	#	70
11) Tert butyl alcohol	3.07	59	578	0.766	ug/l #	73
13) Acrolein	2.31	56	575	0.858	ug/l #	76
15) Acrylonitrile	3.15	53	407	0.229	ug/l #	77
16) Acetone	2.44	43	746	0.422	ug/l #	85
18) Methyl Acetate	2.78	43	863	0.224	ug/l	96
20) Methylene Chloride	2.87	84	890	0.273	ug/l #	90
29) Tetrahydrofuran	5.15	42	525	0.296	ug/l #	51
36) 1,1-Dichloropropene	5.67	75	23478	4.625	ug/l #	50
38) Carbon Tetrachloride	5.67	117	30081	5.899	ug/l #	17
49) 1,4-Dioxane	7.77	88	129	1.313	ug/l #	19
53) t-1,3-Dichloropropene	9.04	75	188	2.832	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	114511	23.116	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	114511	61.226	ug/l #	9

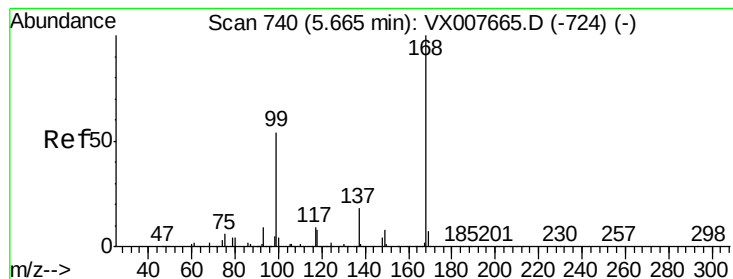
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

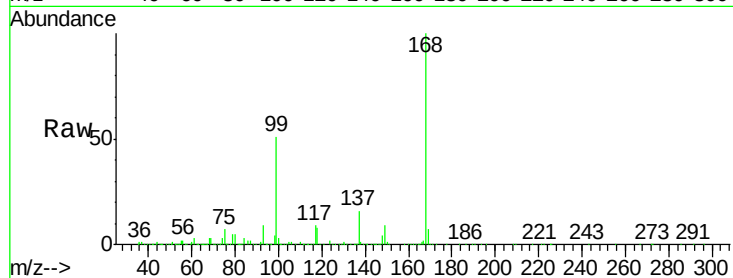
TB-022619

Tot Ion:168 Resp: 321067

Ion Ratio Lower Upper

168 100

99 51.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

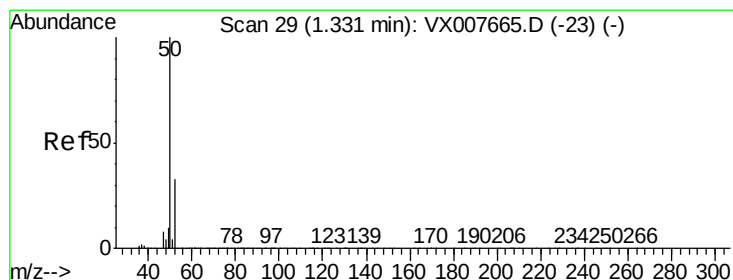
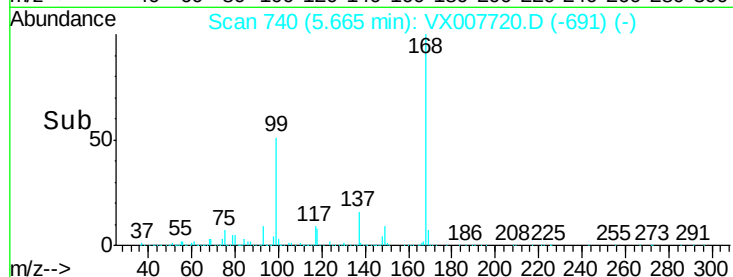
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.301 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007720.D

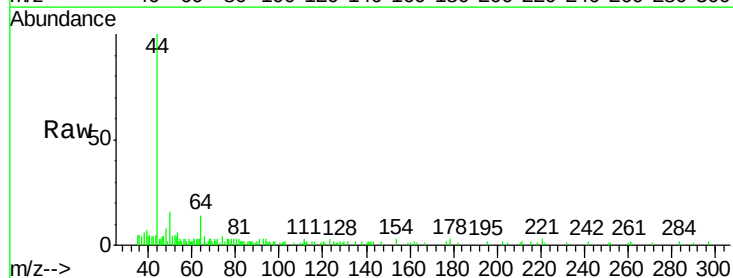
Acq: 26 Feb 2019 18:12

Tgt Ion: 50 Resp: 988

Ion Ratio Lower Upper

50 100

52 39.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

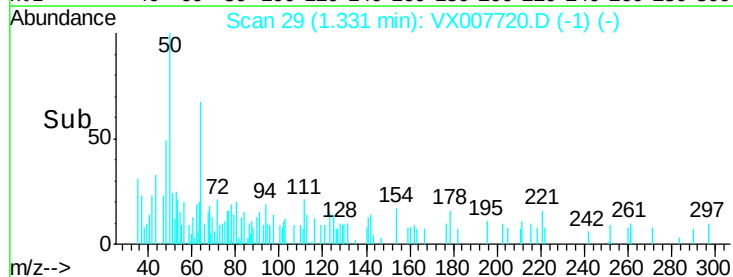
600

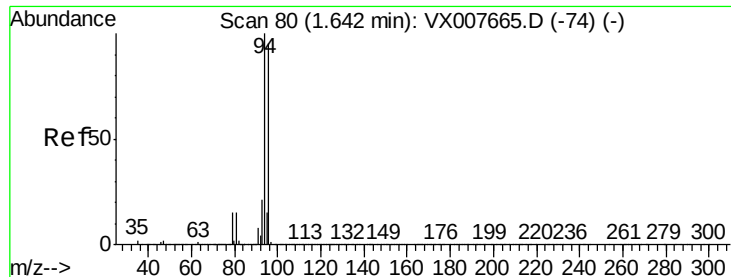
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

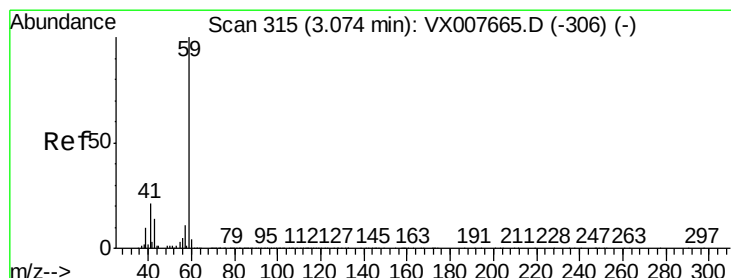
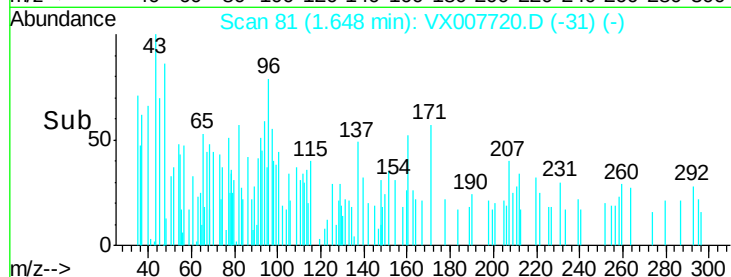
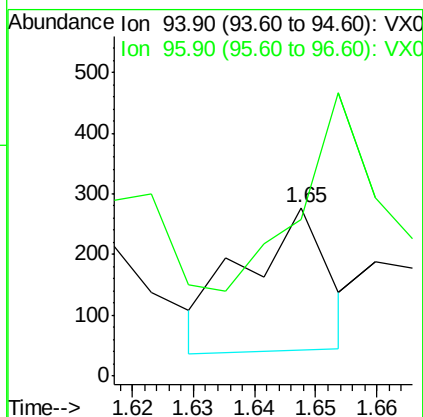
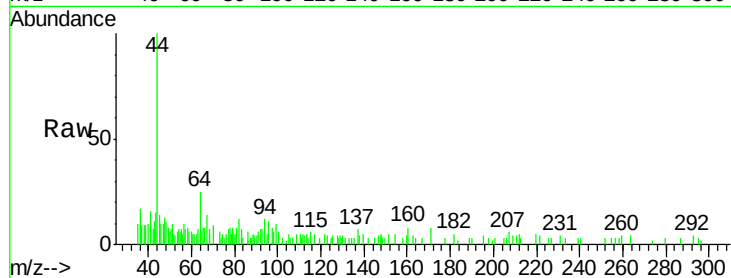
TB-022619

Tot Ion: 94 Resp: 224

Ion Ratio Lower Upper

94 100

96 63.7 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.766 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007720.D

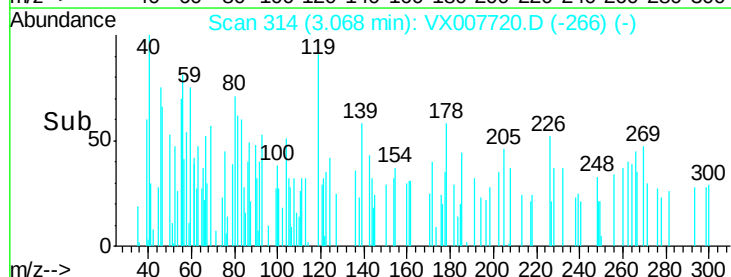
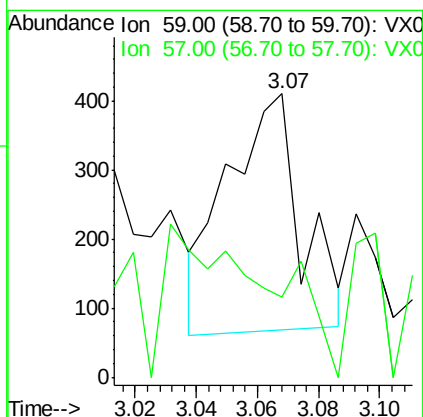
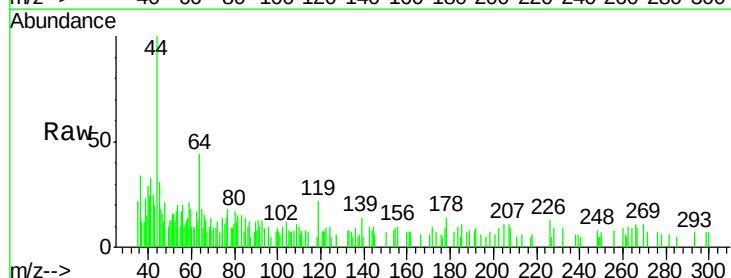
Acq: 26 Feb 2019 18:12

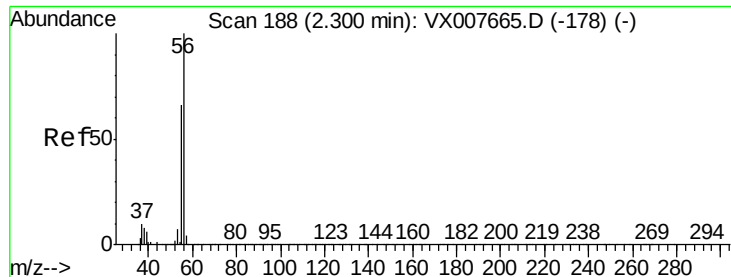
Tgt Ion: 59 Resp: 578

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.858 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampled :

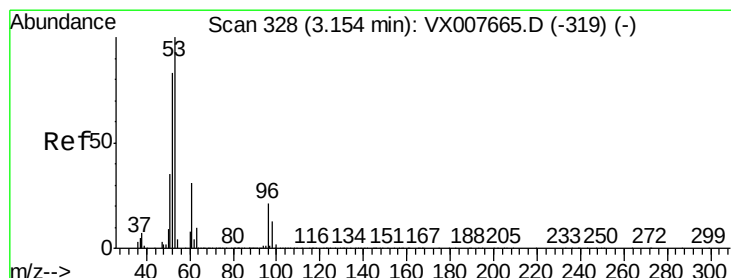
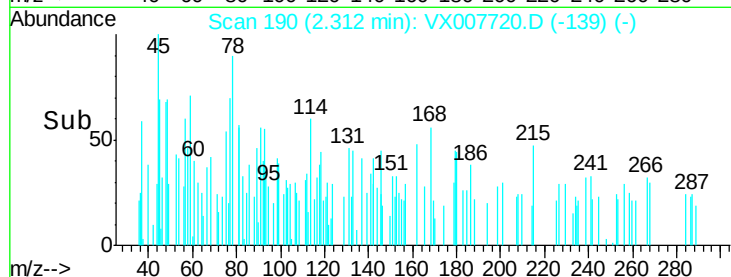
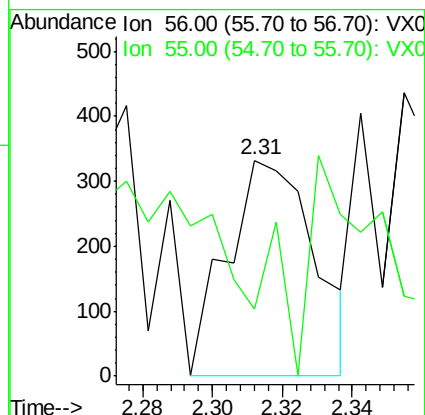
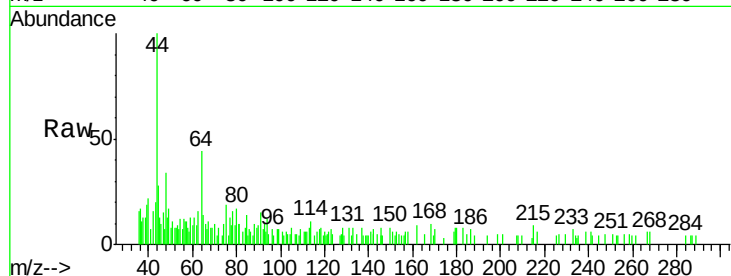
TB-022619

Tot Ion: 56 Resp: 575

Ion Ratio Lower Upper

56 100

55 51.3 56.9 85.3#



#15

Acrylonitrile

Concen: 0.229 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

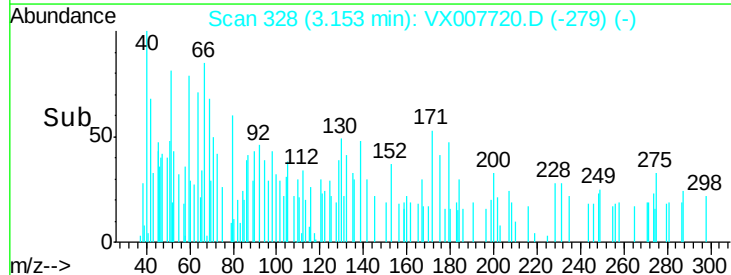
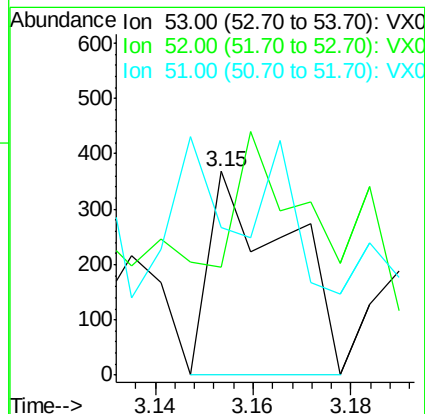
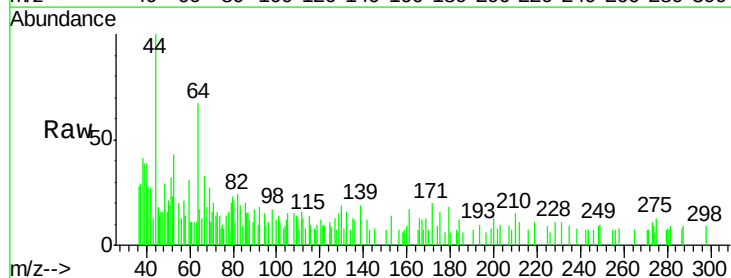
Tgt Ion: 53 Resp: 407

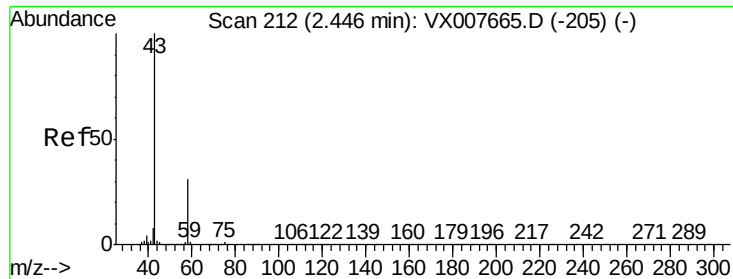
Ion Ratio Lower Upper

53 100

52 69.0 66.4 99.6

51 59.0 28.4 42.6#

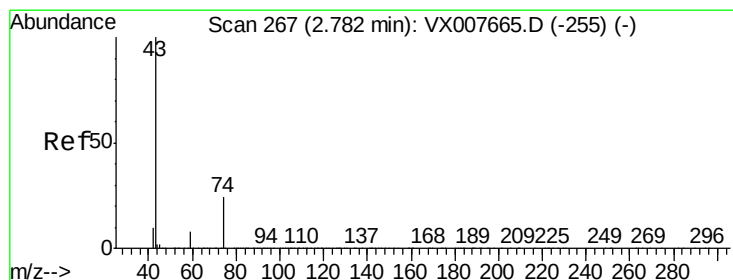
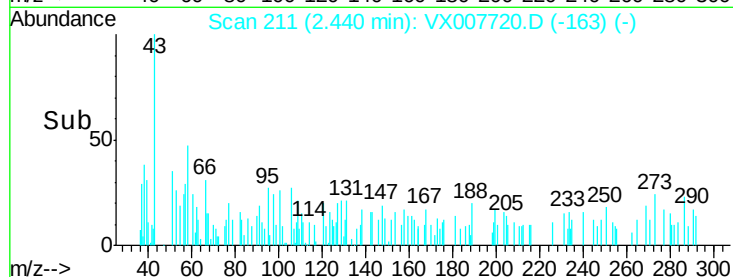
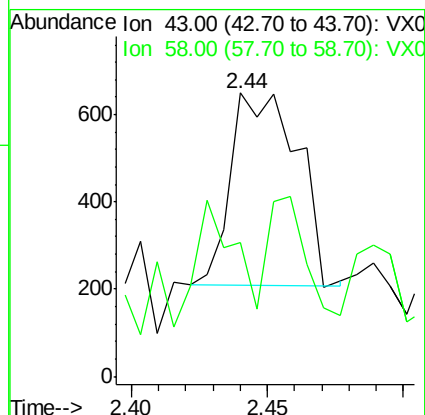
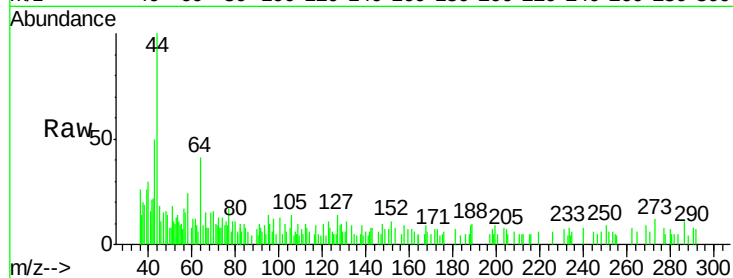




#16
Acetone
Concen: 0.422 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

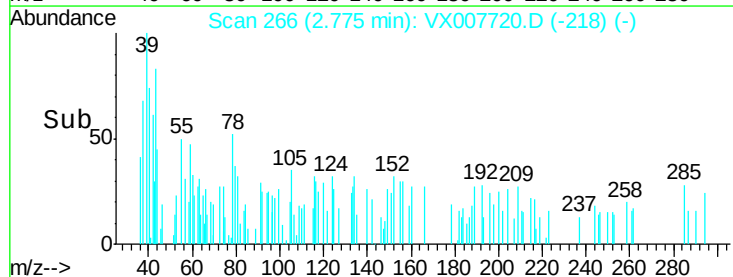
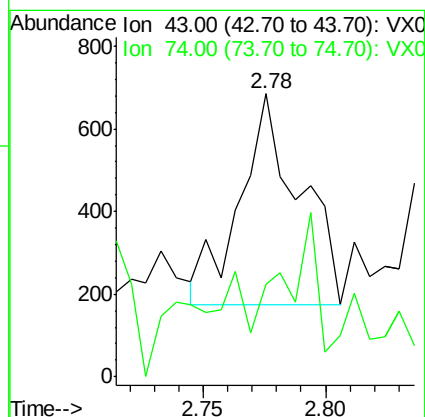
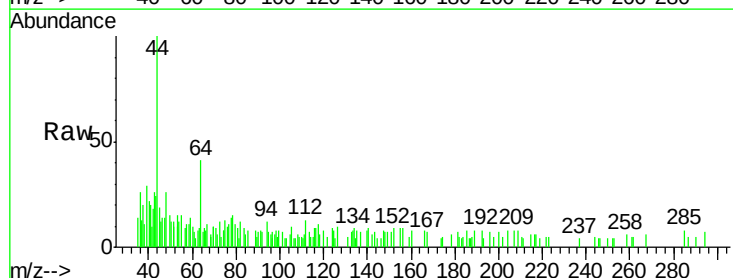
Instrument :
MSVOA_X
ClientSampled :
TB-022619

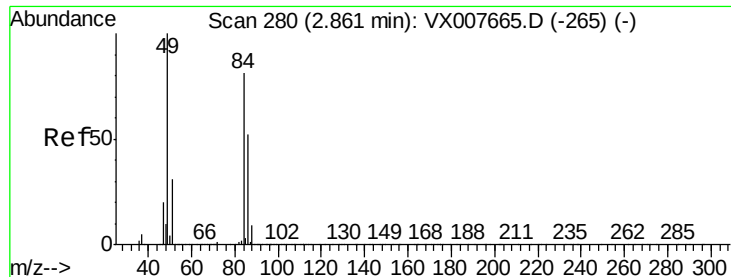
Tot Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 23.0 24.9 37.3#



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
74 26.2 19.4 29.2

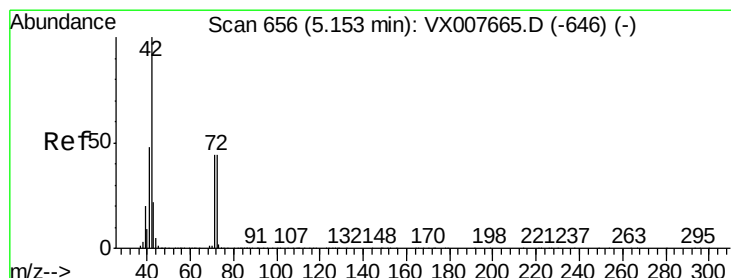
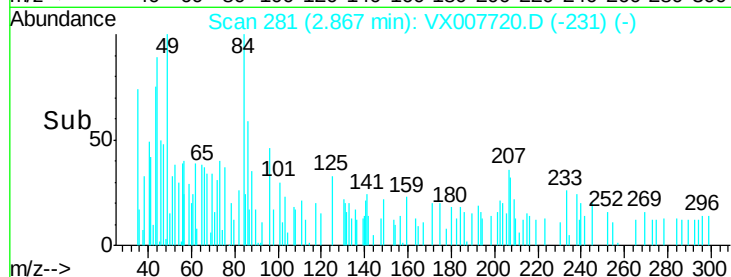
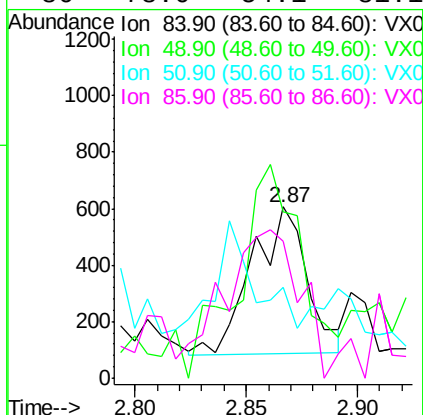
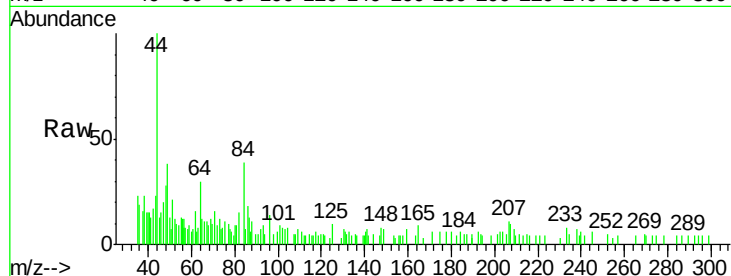




#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

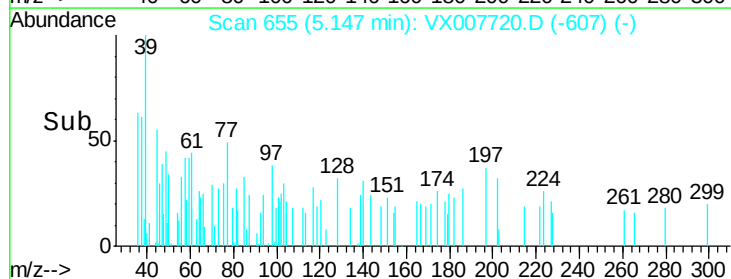
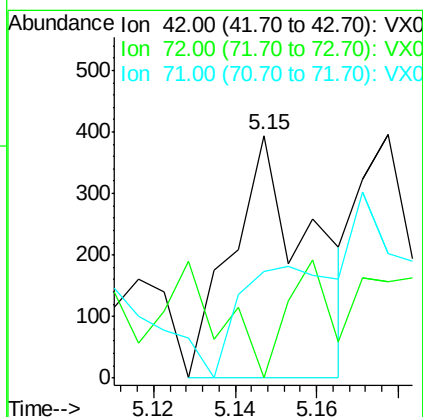
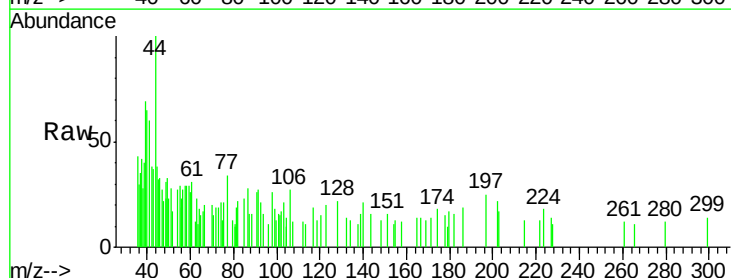
Instrument :
MSVOA_X
ClientSampled :
TB-022619

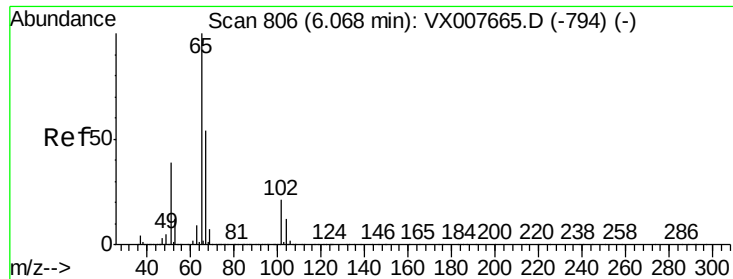
Tot Ion:	84	Resp:	890
Ion	Ratio	Lower	Upper
84	100		
49	114.8	94.8	142.2
51	21.8	29.8	44.8#
86	78.0	54.1	81.1



#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

Tgt Ion:	42	Resp:	525
Ion	Ratio	Lower	Upper
42	100		
72	26.1	37.6	56.4#
71	0.0	34.6	51.8#

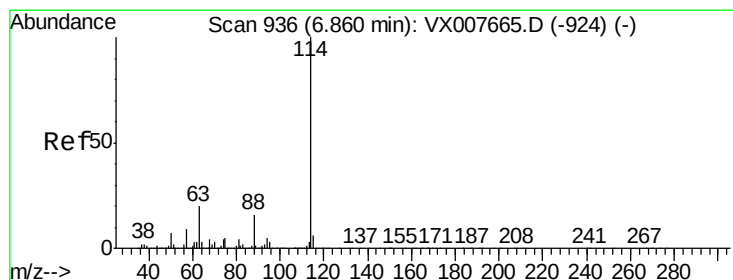
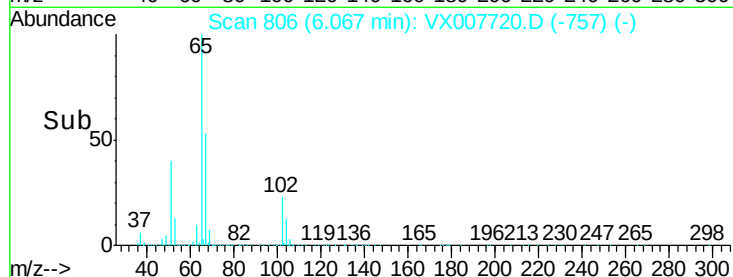
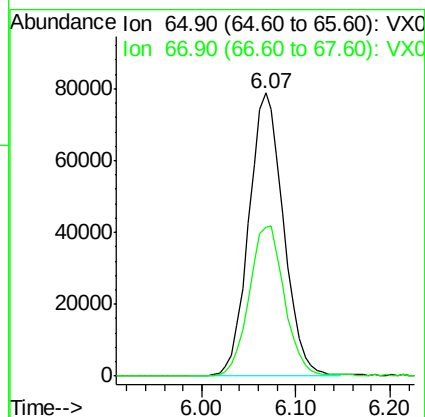
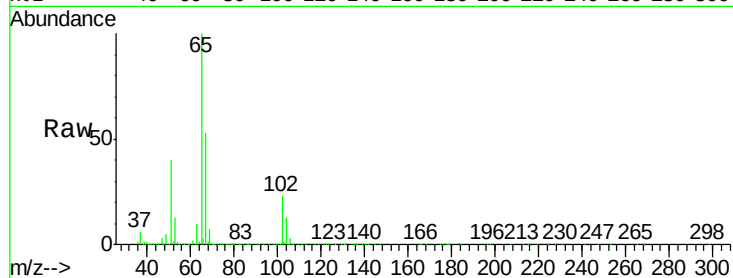




#33
 1,2-Dichloroethane-d4
 Concen: 51.111 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007720.D
 Acq: 26 Feb 2019 18:12

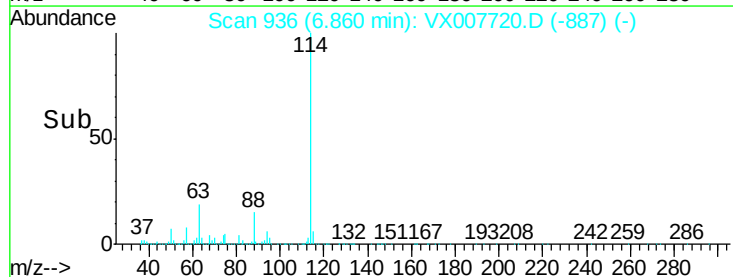
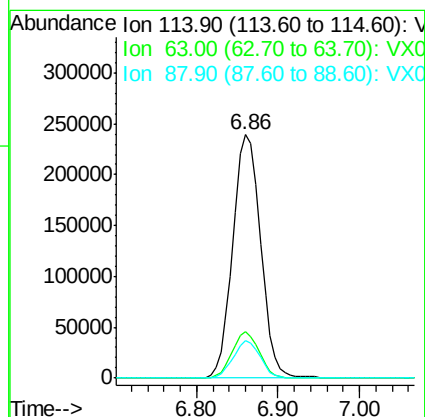
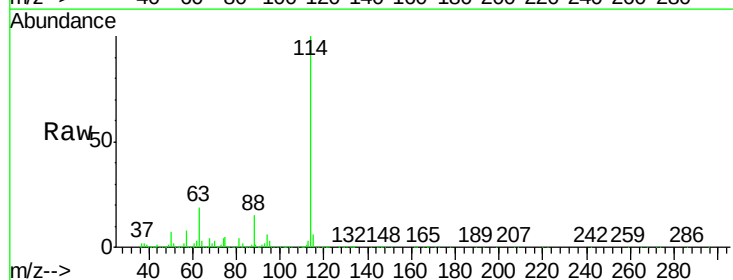
Instrument :
 MSVOA_X
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 TB-022619

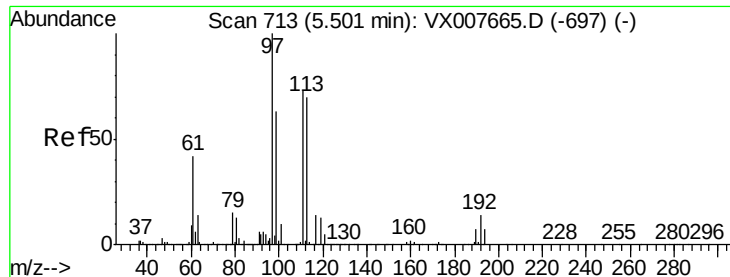
Tot Ion: 65 Resp: 203269
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007720.D
 Acq: 26 Feb 2019 18:12

Tgt Ion: 114 Resp: 564643
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.6
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.510 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

TB-022619

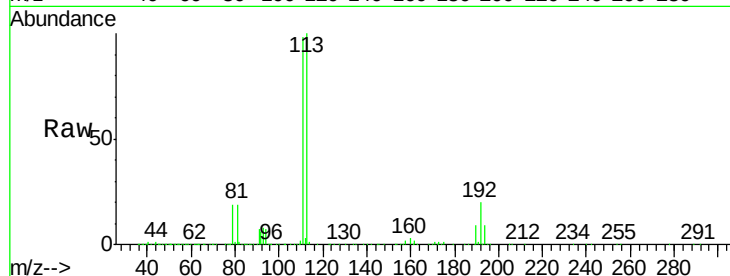
Tot Ion:113 Resp: 190647

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

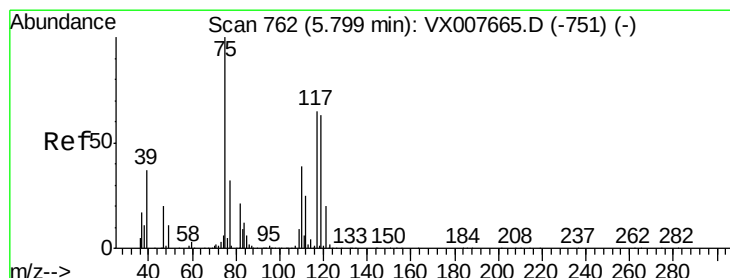
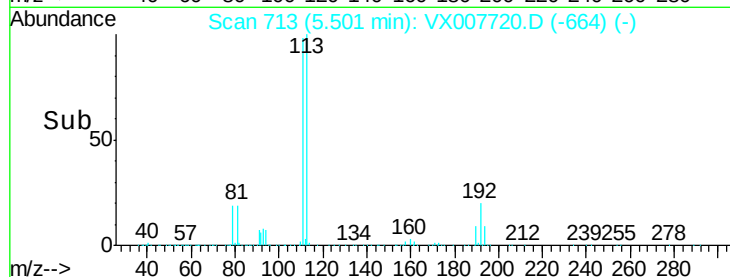
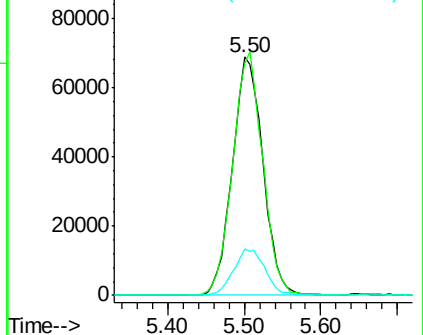
192 20.0 18.5 27.7



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: 4.625 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

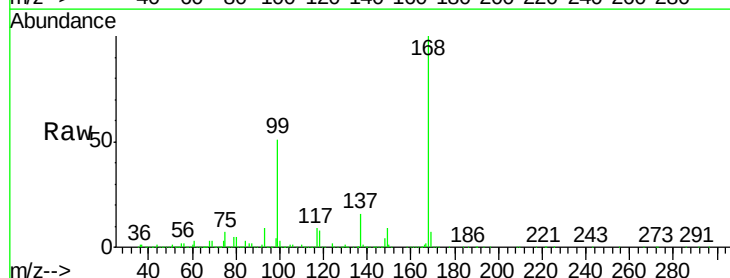
Tgt Ion: 75 Resp: 23478

Ion Ratio Lower Upper

75 100

110 11.0 20.0 59.9#

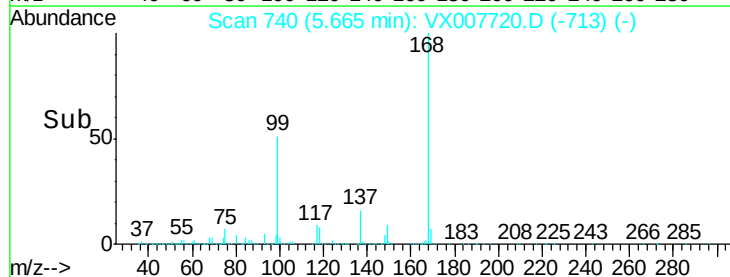
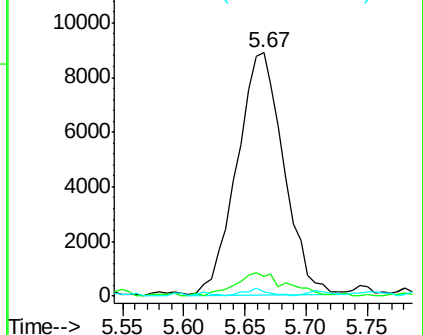
77 1.6 24.7 37.1#

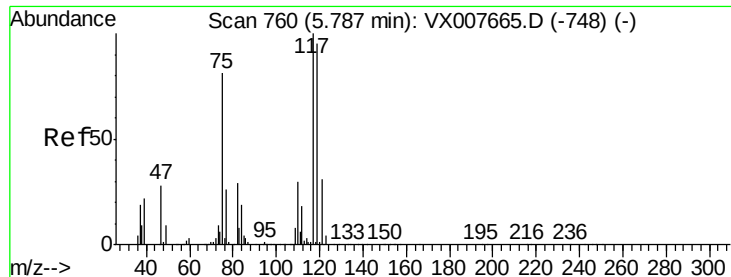


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampled :

TB-022619

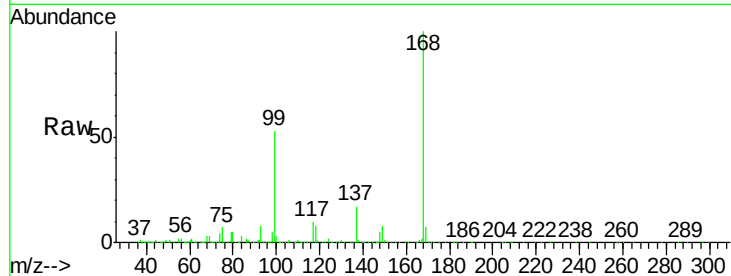
Tot Ion:117 Resp: 30081

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

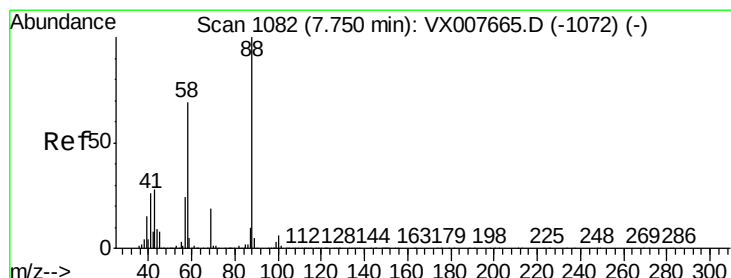
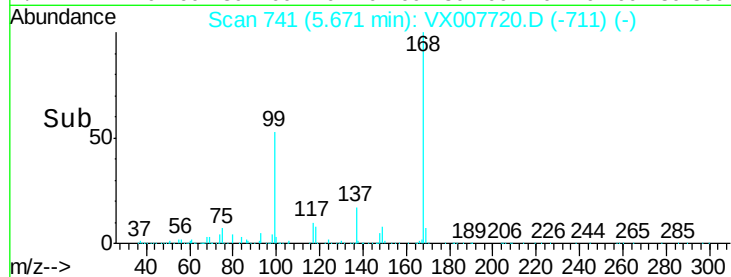
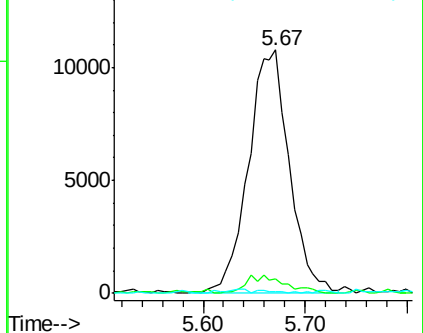
121 0.6 25.0 37.4#



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: 1.313 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

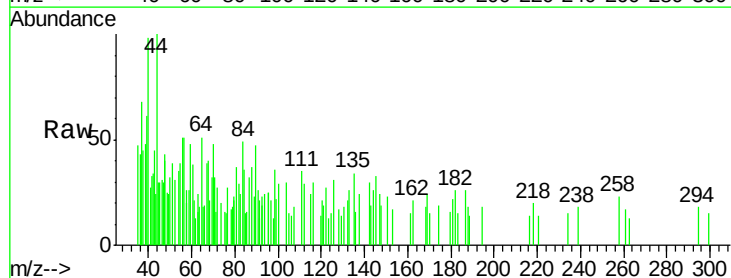
Tgt Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 72.1 24.2 36.4#

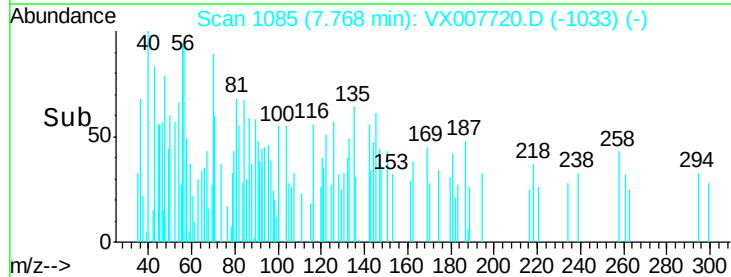
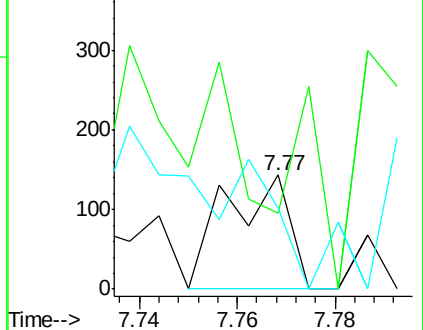
58 0.0 53.0 79.4#

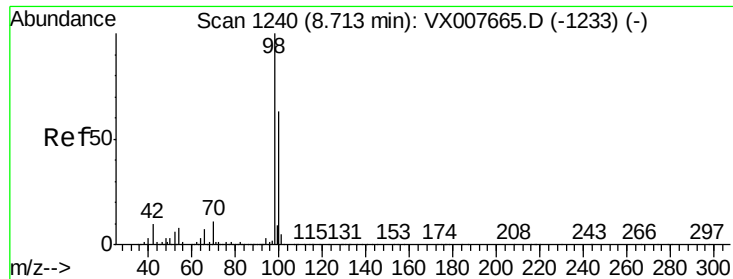


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

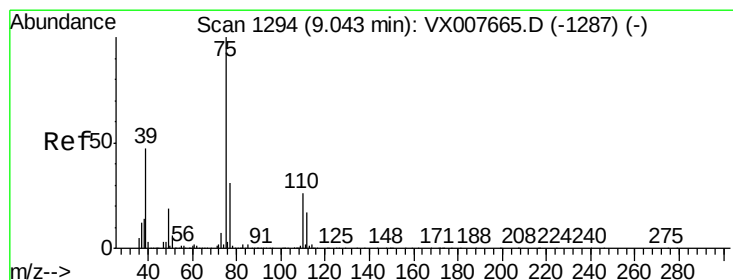
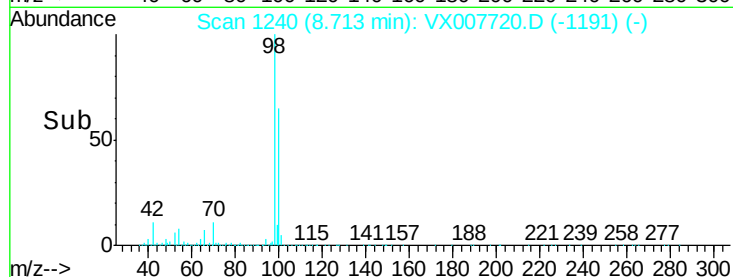
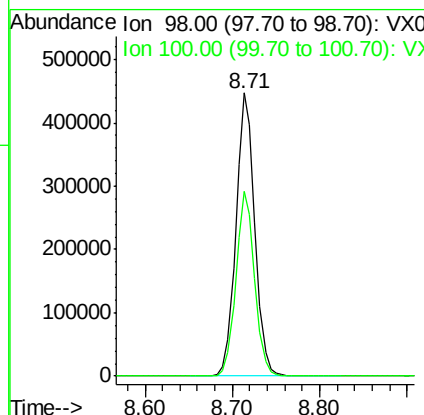
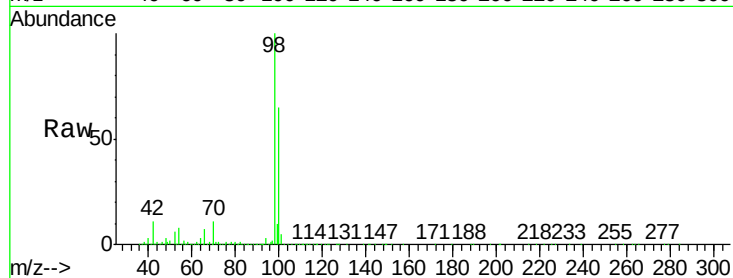




#50
Toluene-d8
Concen: 46.617 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

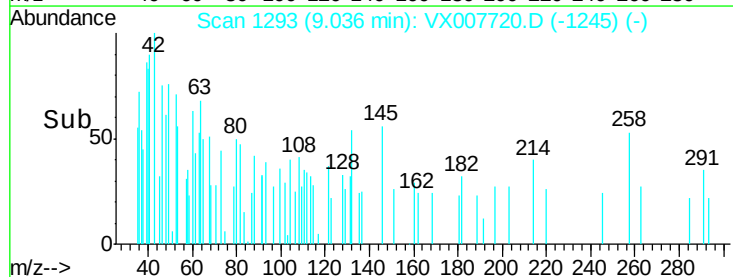
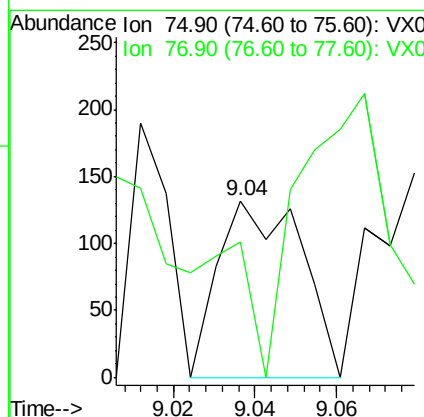
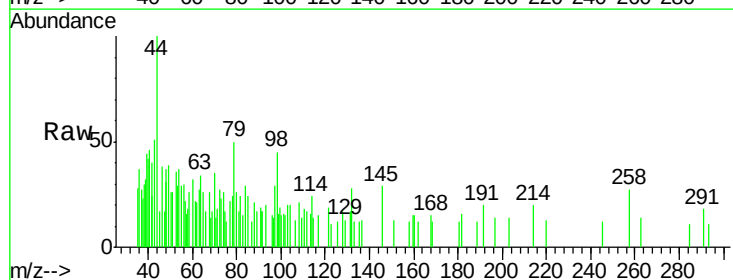
Instrument :
MSVOA_X
ClientSampled :
TB-022619

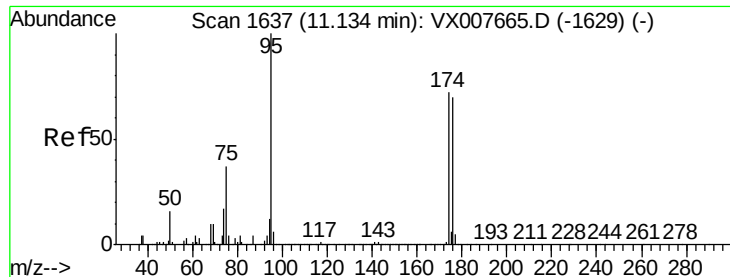
Tot Ion: 98 Resp: 673616
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#53
t-1,3-Dichloropropene
Concen: 2.832 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX007720.D
Acq: 26 Feb 2019 18:12

Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 43.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

TB-022619

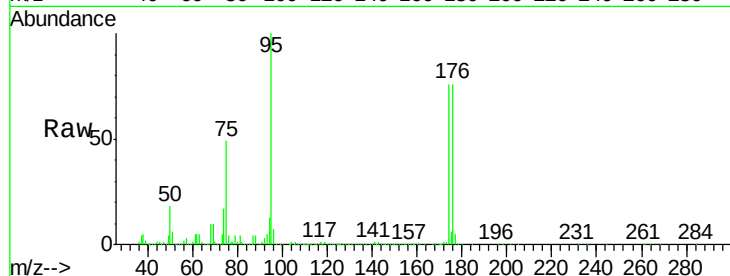
Tot Ion: 95 Resp: 232650

Ion Ratio Lower Upper

95 100

174 84.2 0.0 189.2

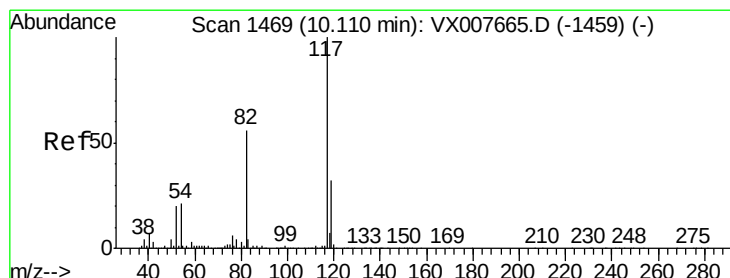
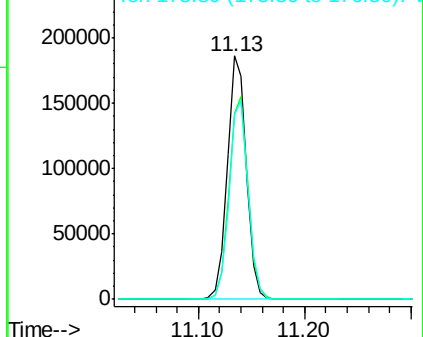
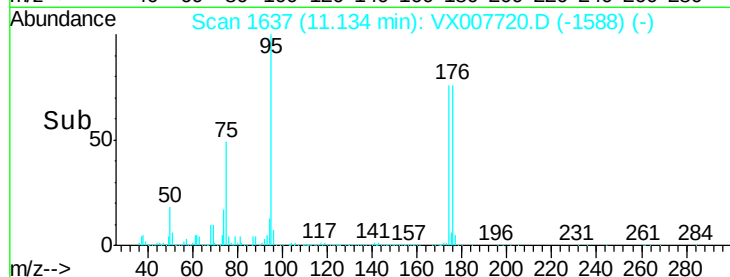
176 81.8 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007720.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007720.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007720.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

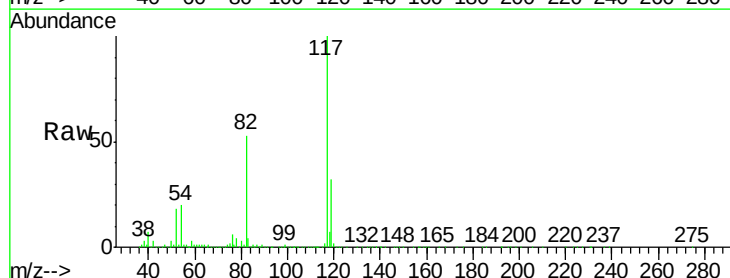
Tgt Ion: 117 Resp: 521736

Ion Ratio Lower Upper

117 100

82 52.5 42.1 63.1

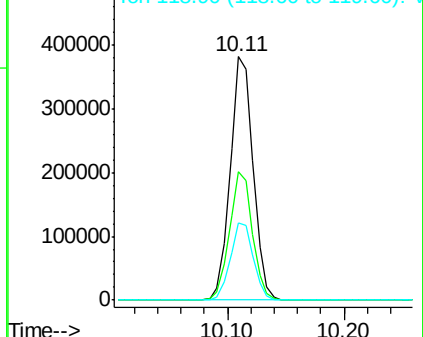
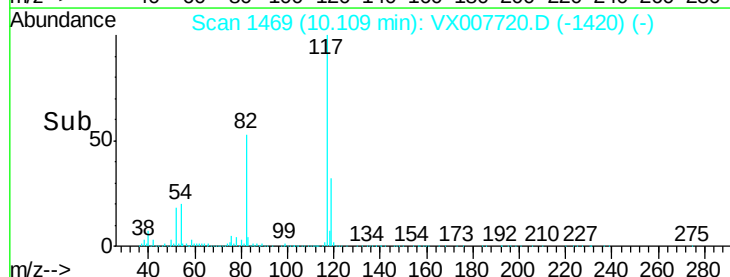
119 31.9 26.5 39.7

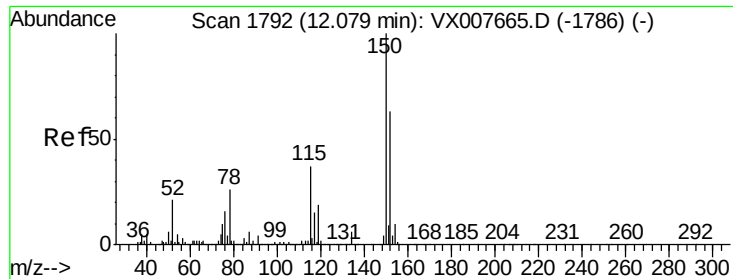


Abundance Ion 116.90 (116.60 to 117.60): VX007720.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007720.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007720.D (-1420) (-)

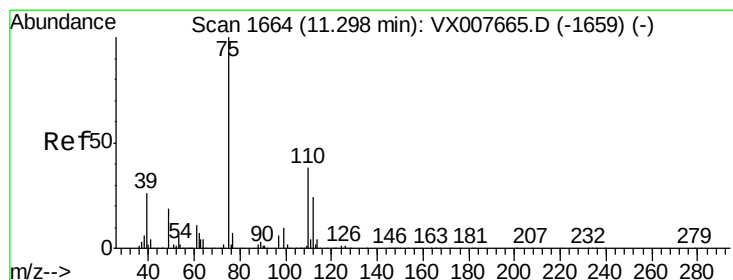
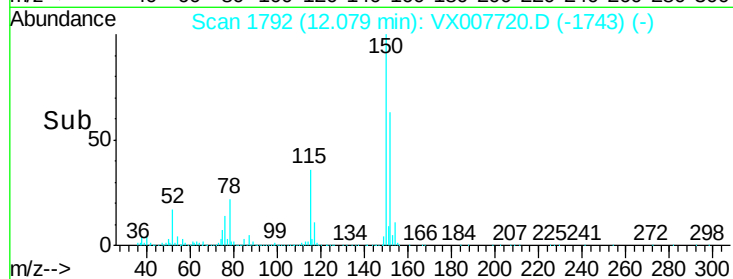
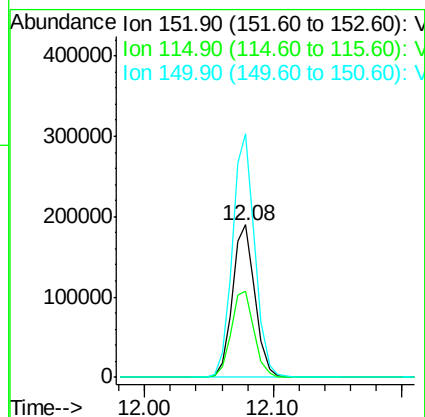
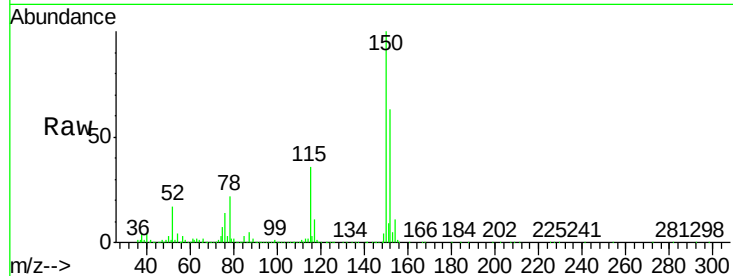




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007720.D
 Acq: 26 Feb 2019 18:12

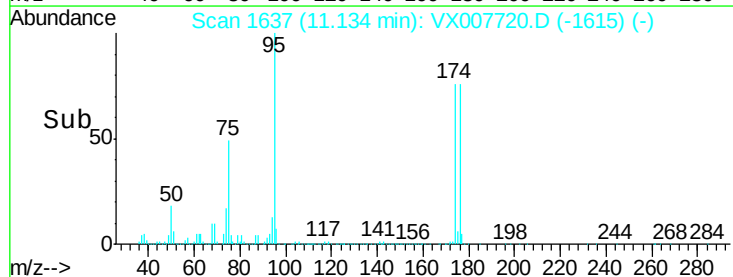
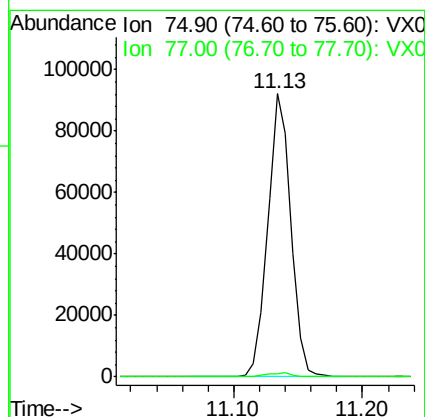
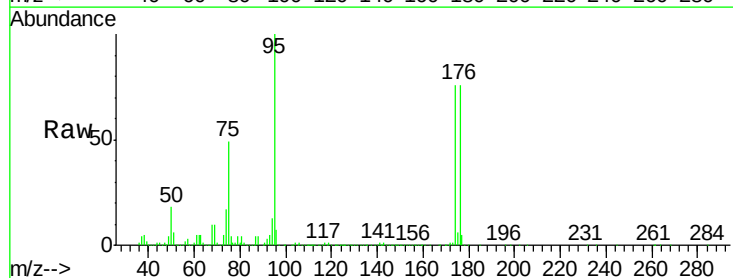
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-022619

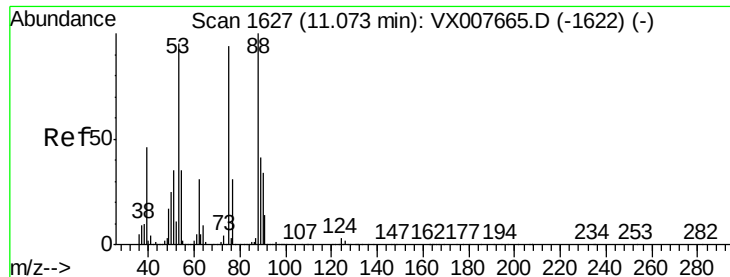
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	38.0	114.0
150	158.7	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 23.116 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007720.D
 Acq: 26 Feb 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.226 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007720.D

Acq: 26 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

TB-022619

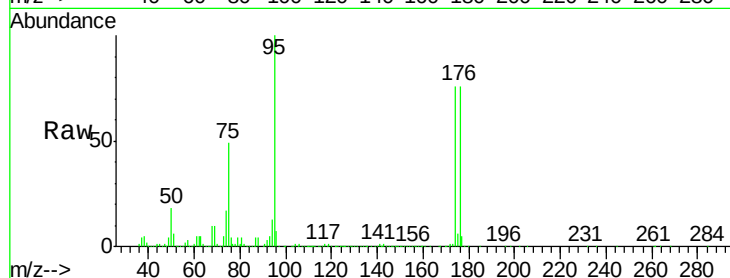
Tot Ion: 75 Resp: 114511

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 41.4 62.0#



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

