

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006686.D
 Acq On : 20 Dec 2018 19:47
 Operator : JC/MD
 Sample : J6484-13 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	624258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	989202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	922019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	438438	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	343885	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	5.50	113	299148	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	1184586	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.13	95	428713	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

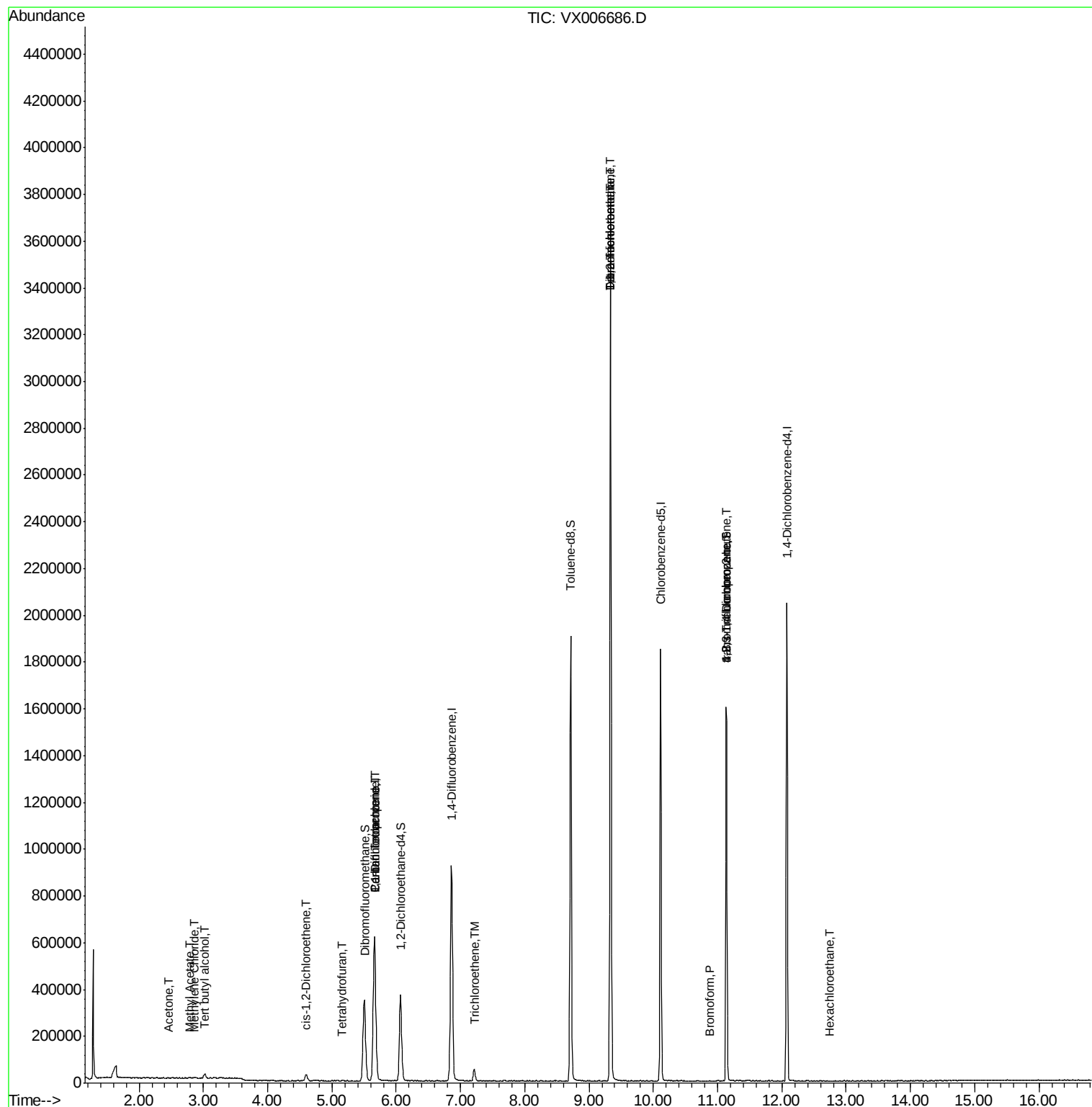
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2210	Below Cal		98
11) Tert butyl alcohol	3.03	59	12659	8.431	ug/l #	75
16) Acetone	2.45	43	2459	0.796	ug/l #	84
18) Methyl Acetate	2.78	43	4092	0.450	ug/l #	69
20) Methylene Chloride	2.86	84	1932	0.302	ug/l #	94
27) cis-1,2-Dichloroethene	4.60	96	19954	2.926	ug/l	83
28) Bromochloromethane	5.03	49	106	Below Cal	#	1
29) Tetrahydrofuran	5.15	42	648	0.226	ug/l #	86
36) 1,1-Dichloropropene	5.67	75	41801	5.102	ug/l #	48
38) Carbon Tetrachloride	5.67	117	59348	7.454	ug/l #	15
44) Trichloroethene	7.21	130	20989	2.785	ug/l	98
49) 1,4-Dioxane	7.78	88	170	Below Cal	#	1
55) 1,1,2-Trichloroethane	9.33	97	6193	0.940	ug/l #	7
60) Dibromochloromethane	9.34	129	700605	99.315	ug/l #	10
64) Tetrachloroethene	9.34	164	748833	102.566	ug/l	99
71) Bromoform	10.88	173	110	4.478	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	199012	24.425	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199012	72.271	ug/l #	10
90) Hexachloroethane	12.74	117	63	3.307	ug/l	64

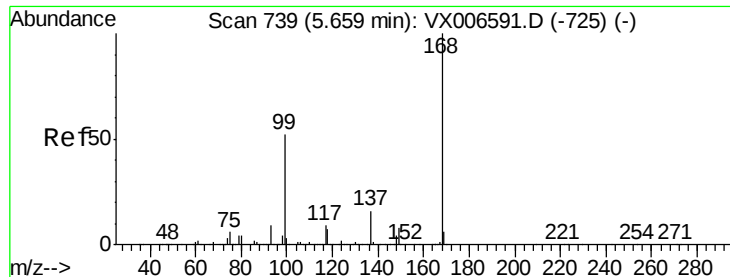
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

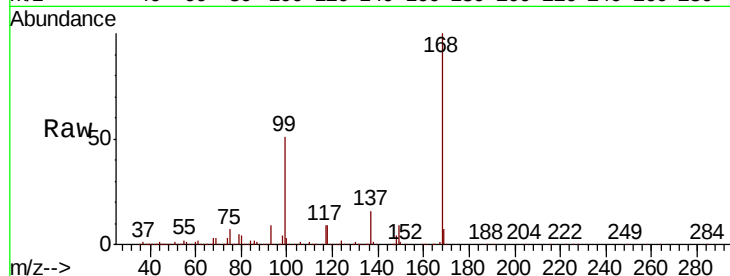
ClientSampleId :

Tot Ion:168 Resp: 624258

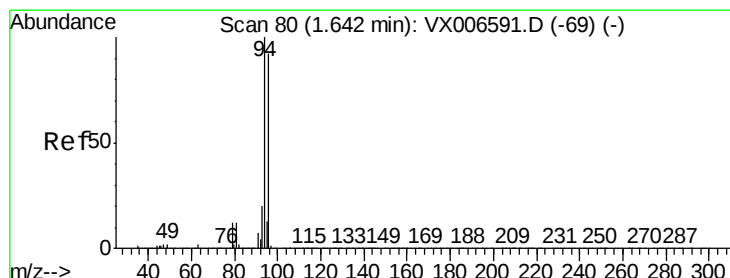
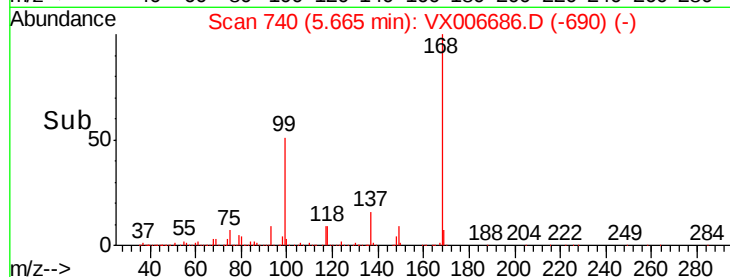
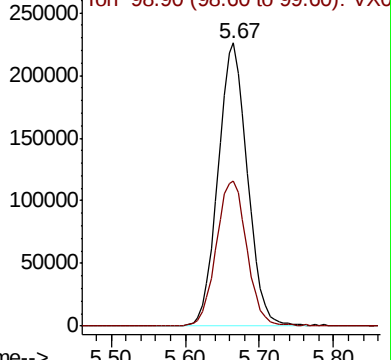
Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006686.D (-690) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006686.D

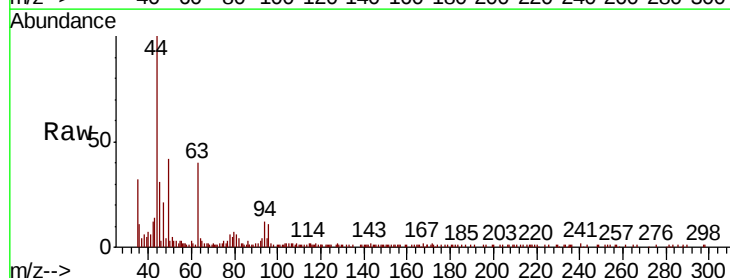
Acq: 20 Dec 2018 19:47

Tgt Ion: 94 Resp: 2210

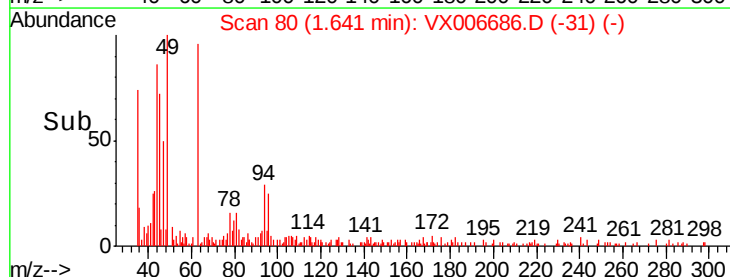
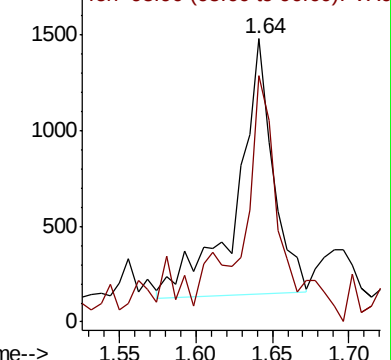
Ion Ratio Lower Upper

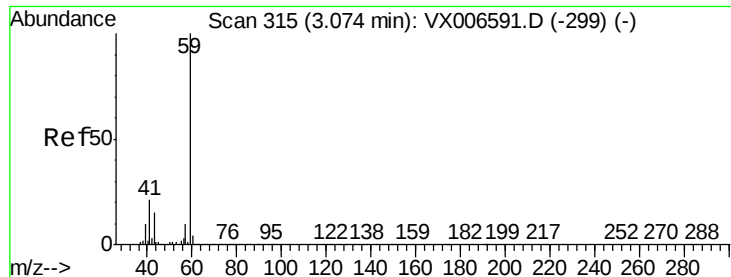
94 100

96 90.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX006686.D (-31) (-)



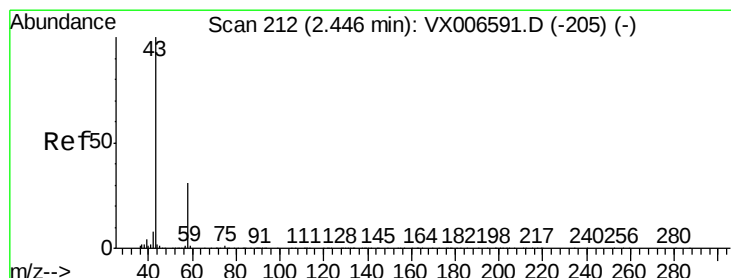
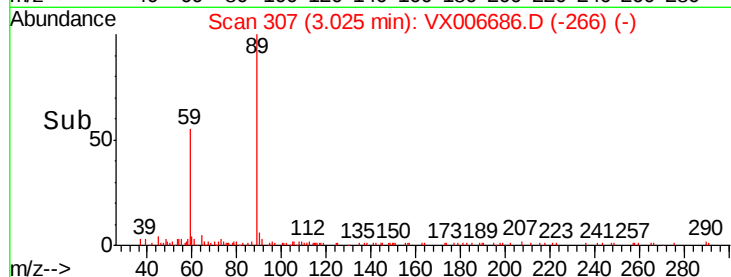
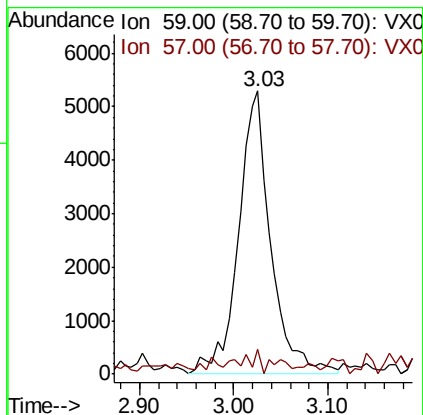
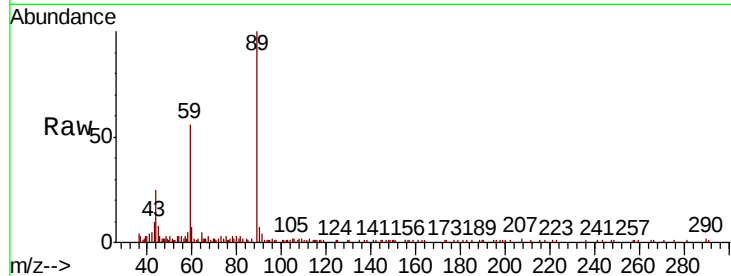


#11

Tert butyl alcohol
 Concen: 8.431 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006686.D
 Acq: 20 Dec 2018 19:47

Instrument :
 MSVOA_X
 ClientSampleId :

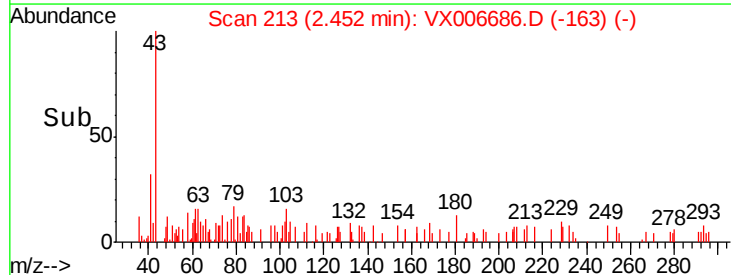
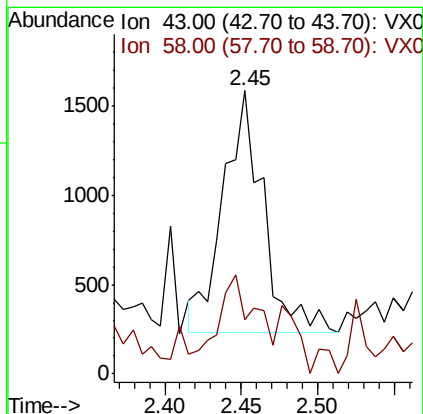
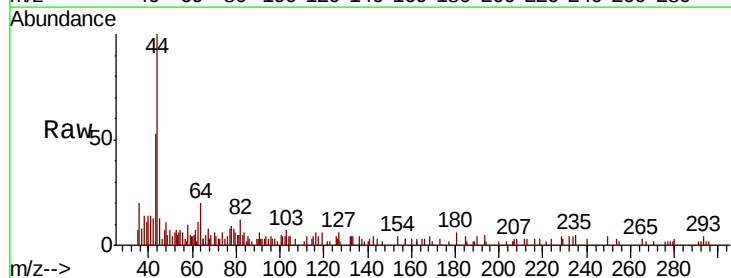
Tot Ion: 59 Resp: 12659
 Ion Ratio Lower Upper
 59 100
 57 1.2 8.5 12.7#

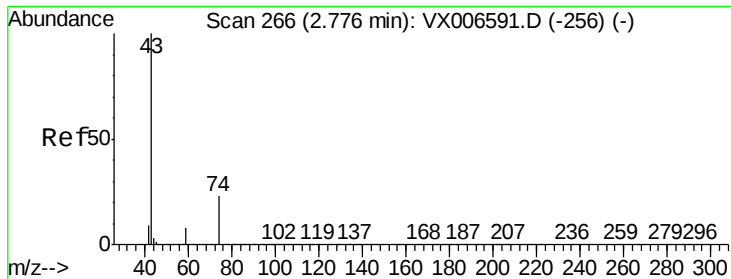


#16

Acetone
 Concen: 0.796 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX006686.D
 Acq: 20 Dec 2018 19:47

Tgt Ion: 43 Resp: 2459
 Ion Ratio Lower Upper
 43 100
 58 22.3 25.0 37.6#

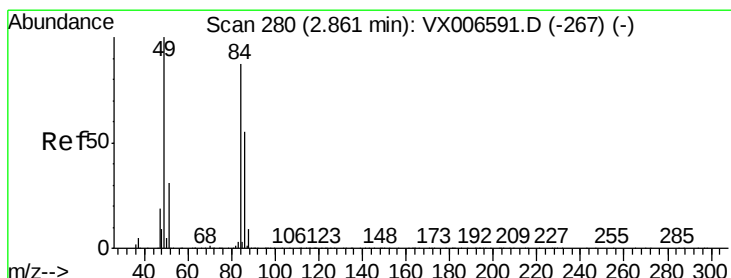
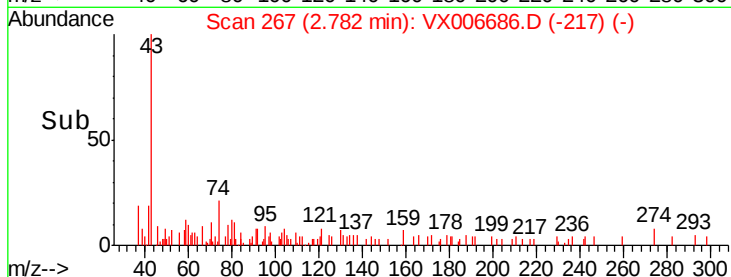
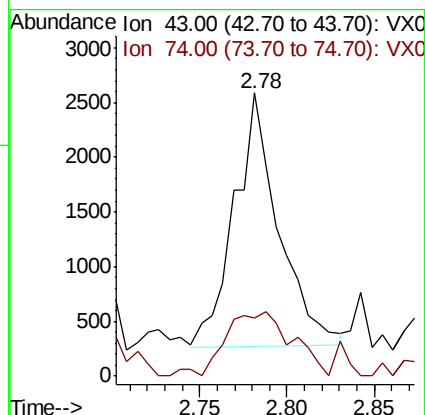
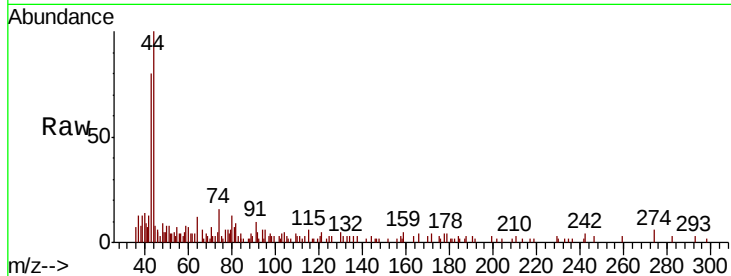




#18
Methyl Acetate
Concen: 0.450 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

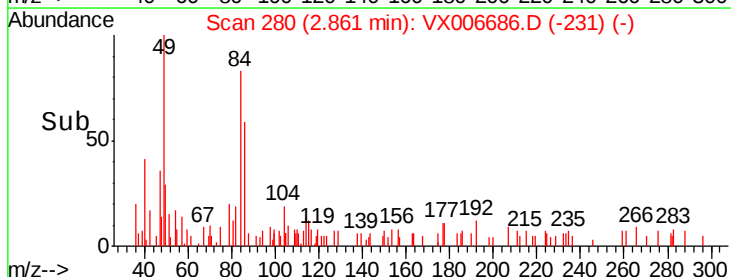
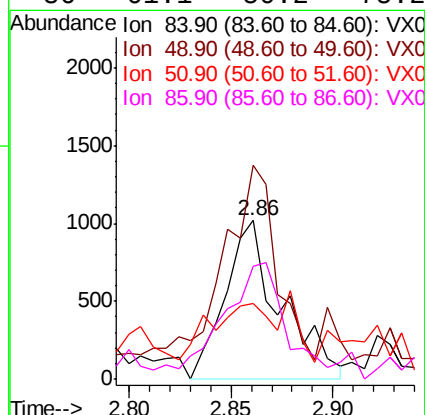
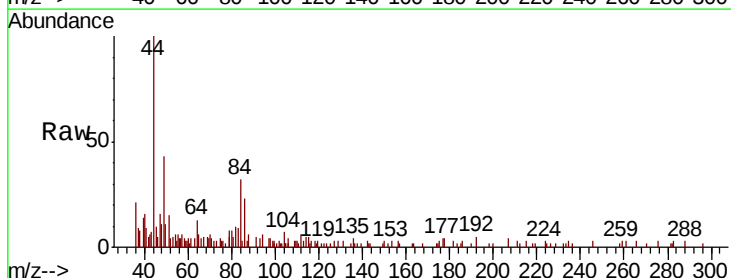
Instrument :
MSVOA_X
ClientSampleId :

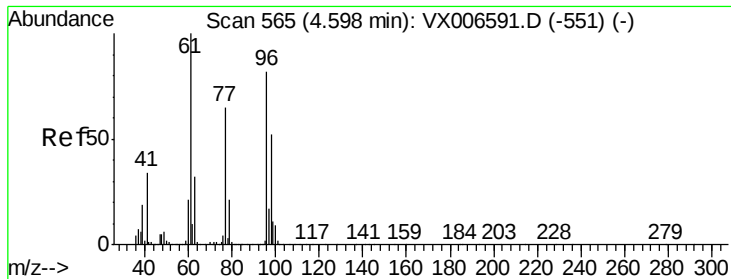
Tot Ion: 43 Resp: 4092
Ion Ratio Lower Upper
43 100
74 38.2 18.6 28.0#



#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

Tgt Ion: 84 Resp: 1932
Ion Ratio Lower Upper
84 100
49 110.5 91.8 137.6
51 25.8 28.5 42.7#
86 61.1 50.2 75.2



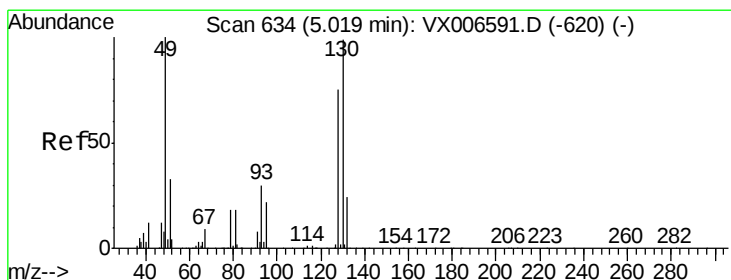
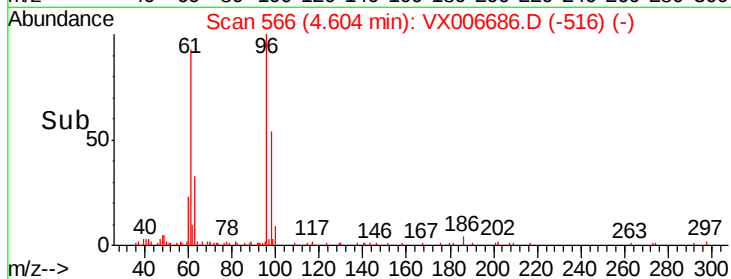
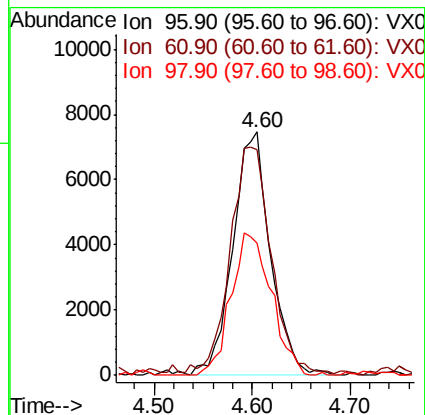
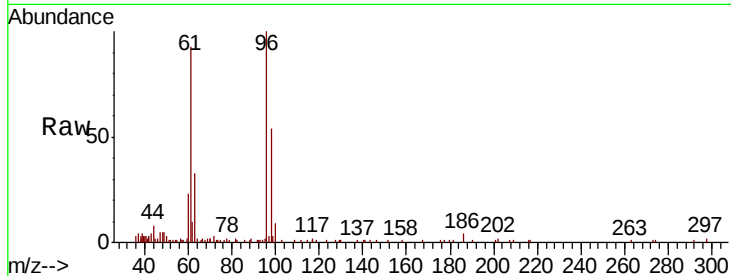


#27

cis-1,2-Dichloroethene
Concen: 2.926 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

Instrument :
MSVOA_X
ClientSampleId :

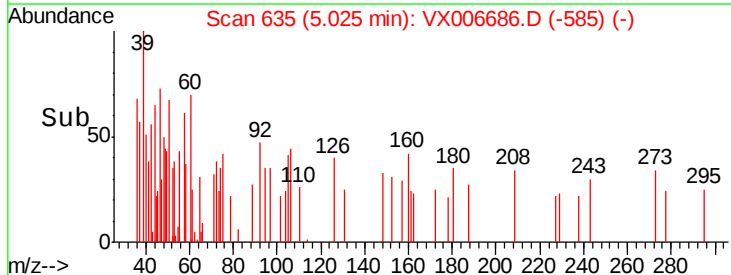
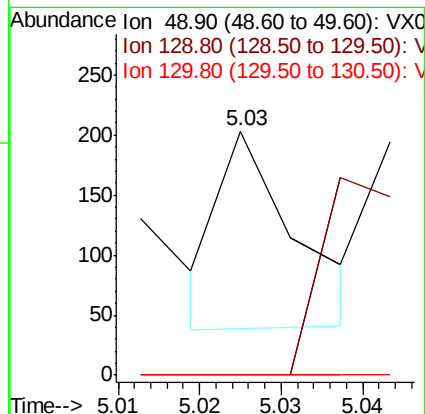
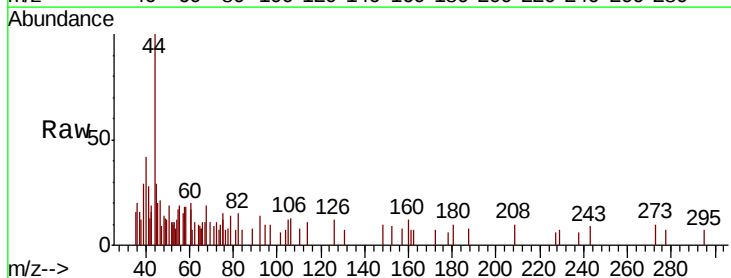
Tot Ion: 96 Resp: 19954
Ion Ratio Lower Upper
96 100
61 101.3 0.0 258.6
98 62.7 0.0 132.0

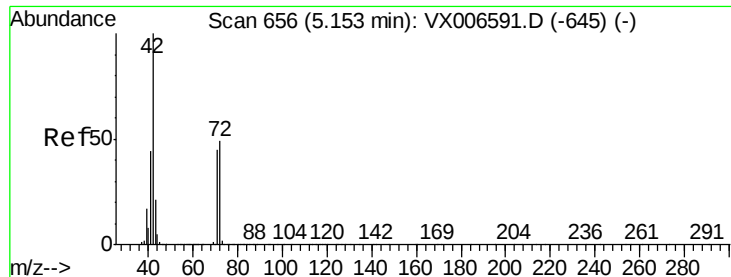


#28

Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

Tgt Ion: 49 Resp: 106
Ion Ratio Lower Upper
49 100
129 108.5 0.0 5.4#
130 0.0 77.7 116.5#

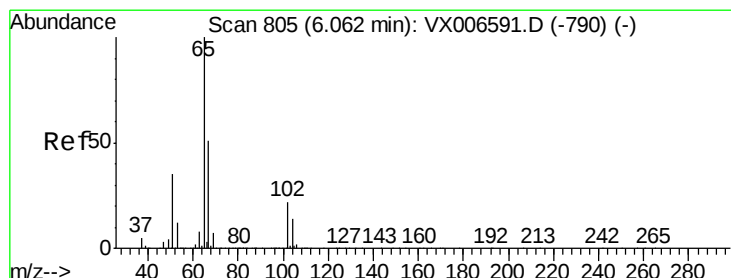
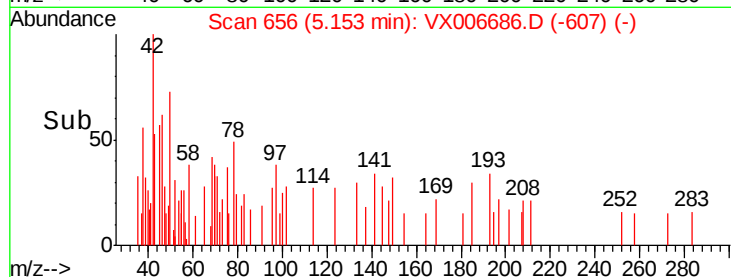
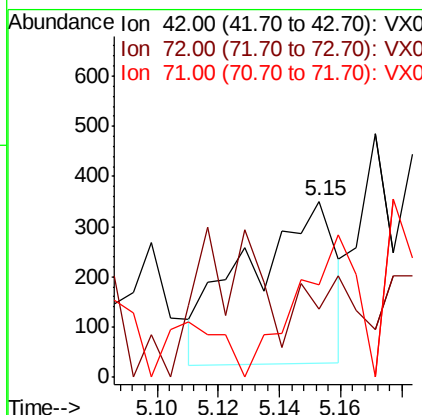
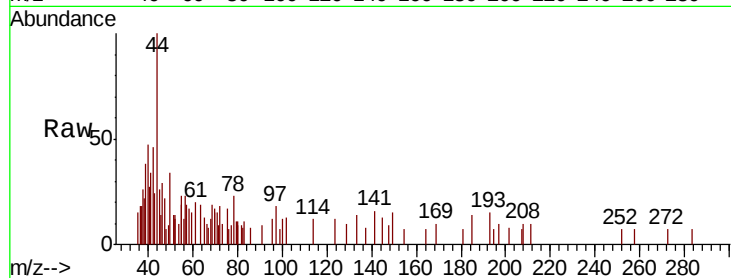




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

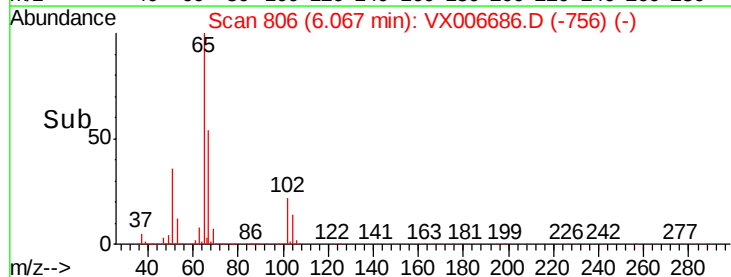
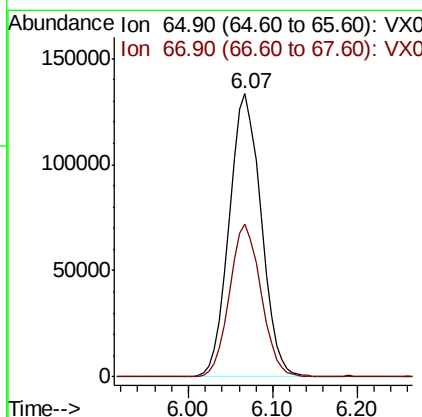
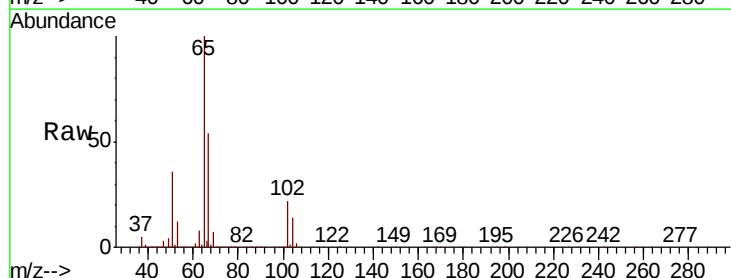
Instrument :
MSVOA_X
ClientSampleId :

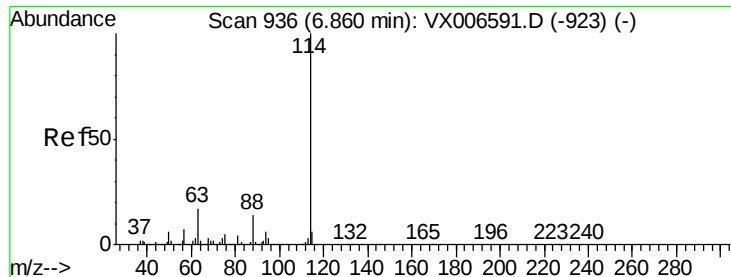
Tot Ion: 42 Resp: 648
Ion Ratio Lower Upper
42 100
72 42.4 38.9 58.3
71 58.5 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 51.113 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

Tgt Ion: 65 Resp: 343885
Ion Ratio Lower Upper
65 100
67 53.1 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: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

ClientSampled :

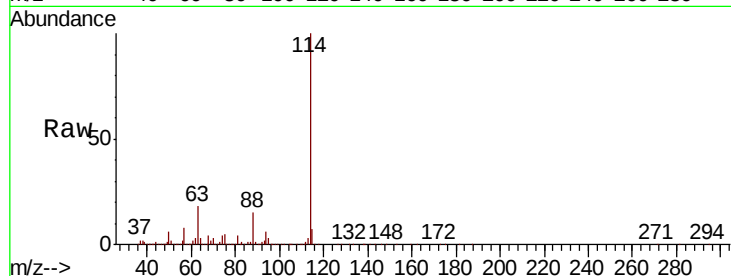
Tot Ion:114 Resp: 989202

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

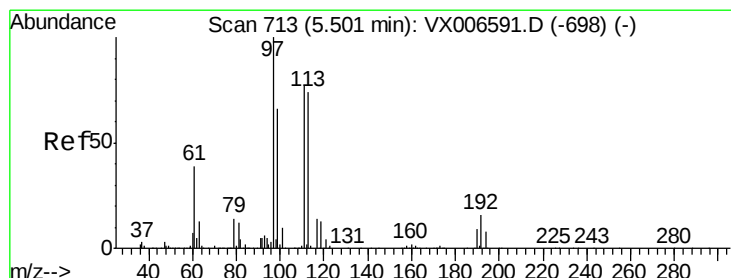
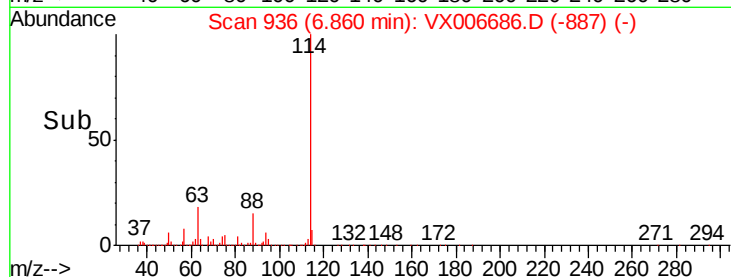
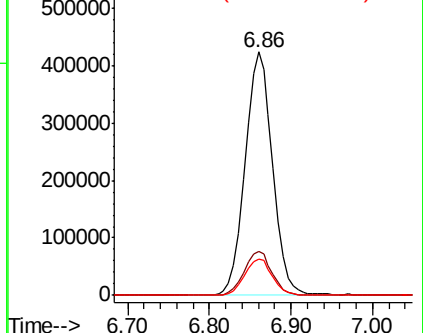
88 14.9 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.821 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

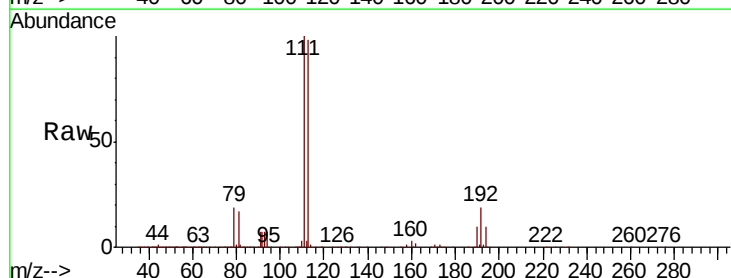
Tgt Ion:113 Resp: 299148

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

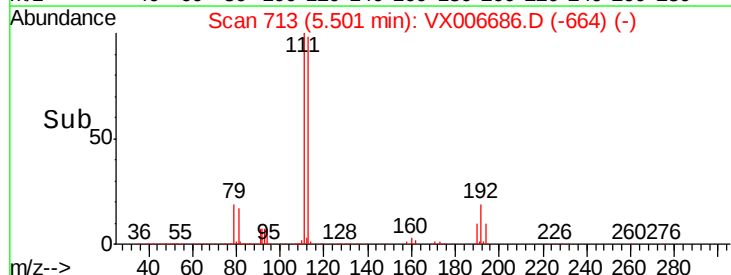
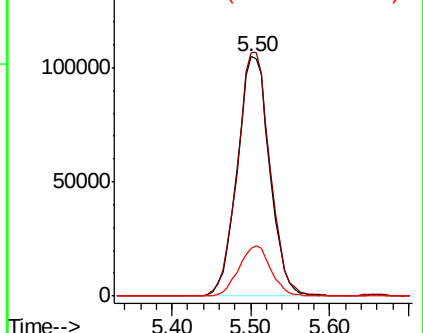
192 20.8 16.7 25.1

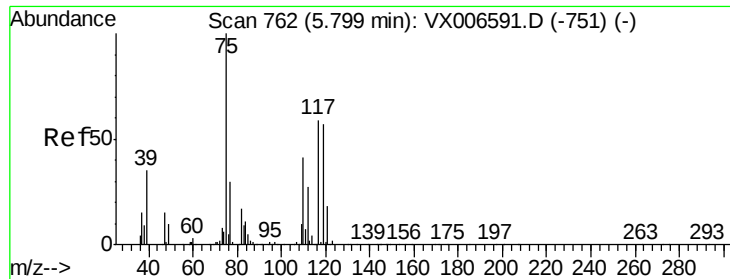


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

ClientSampled :

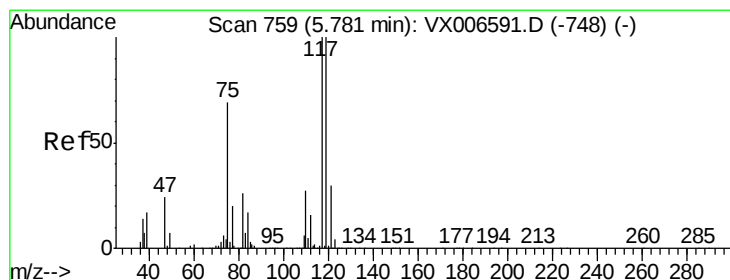
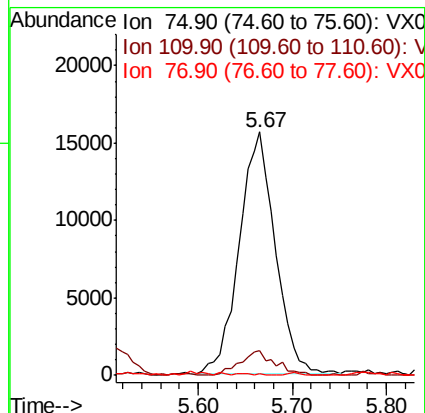
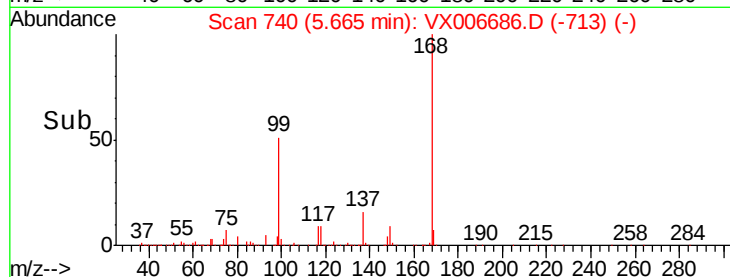
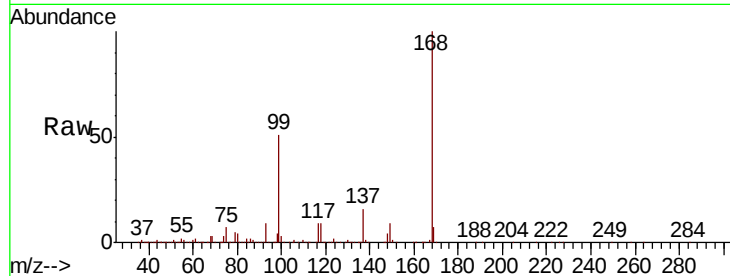
Tot Ion: 75 Resp: 41801

Ion Ratio Lower Upper

75 100

110 9.8 20.2 60.5#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.454 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

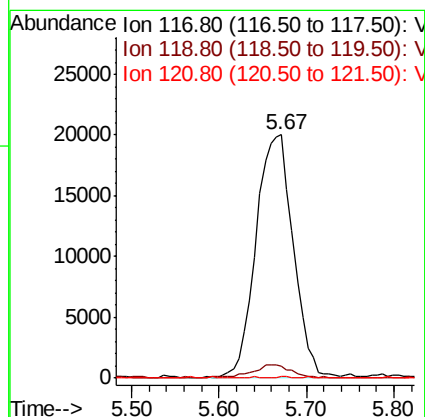
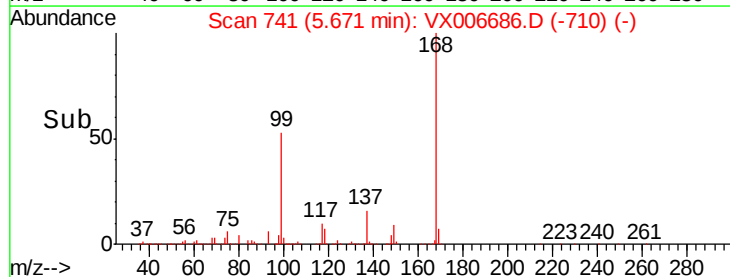
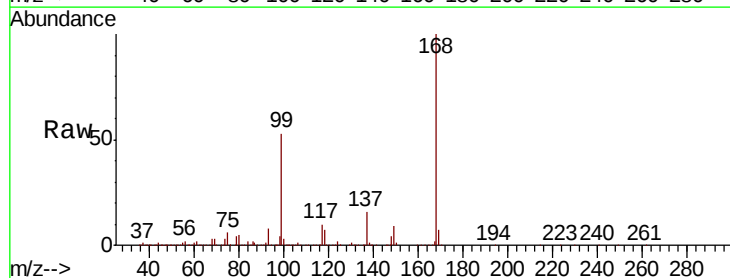
Tgt Ion: 117 Resp: 59348

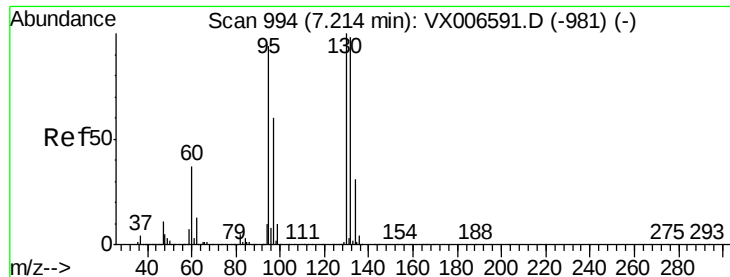
Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

121 0.9 24.0 36.0#





#44

Trichloroethene

Concen: 2.785 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

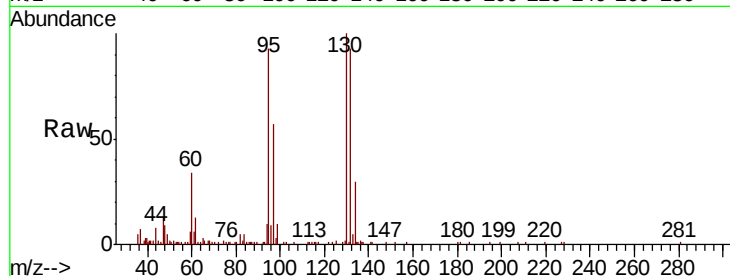
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:130 Resp: 20989

Ion Ratio Lower Upper

130 100

95 91.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

10000

8000

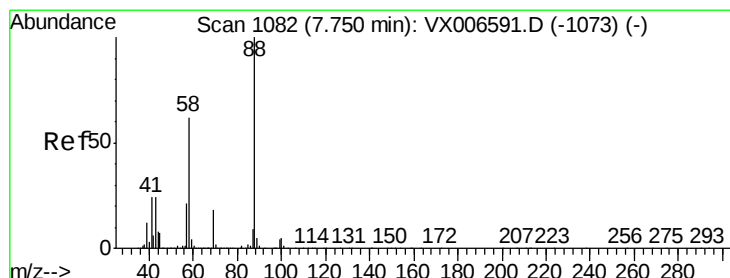
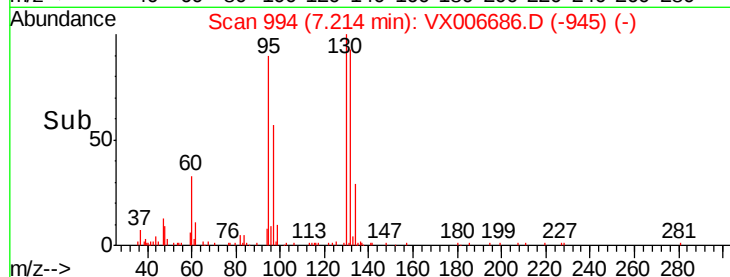
6000

4000

2000

0

Time--> 7.10 7.20 7.30



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.78 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

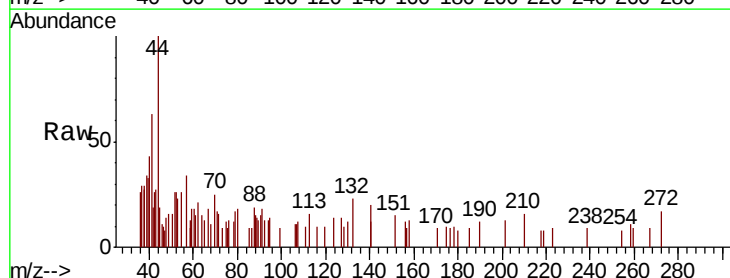
Tgt Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 178.8 22.2 33.4#

58 239.4 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

500

400

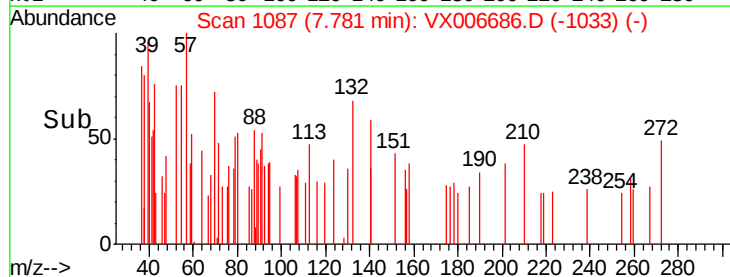
300

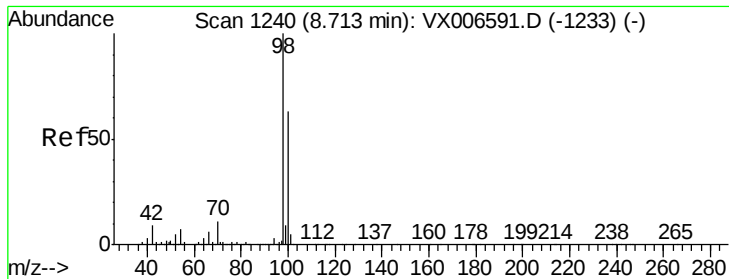
200

100

0

Time--> 7.74 7.76 7.78 7.80





#50

Toluene-d8

Concen: 50.229 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

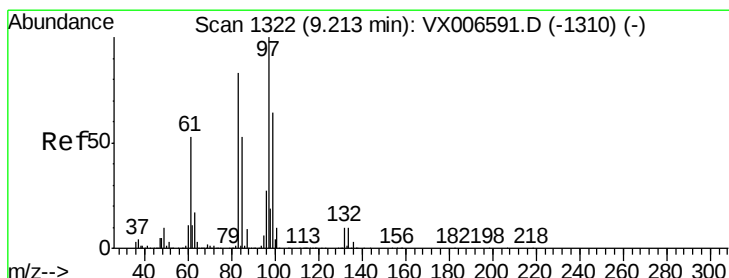
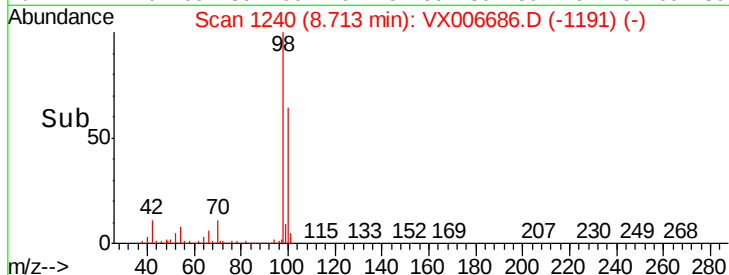
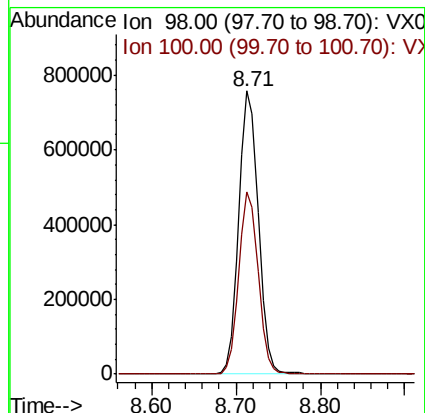
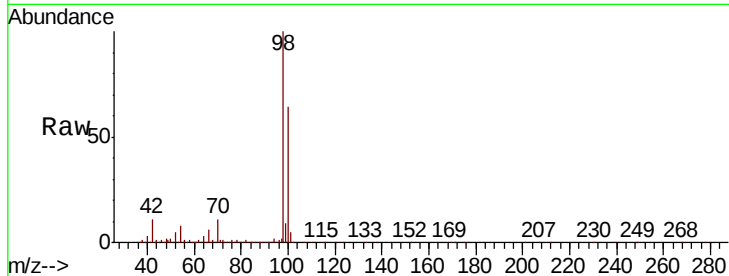
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 1184586

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 0.940 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. 0.12 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Tgt Ion: 97 Resp: 6193

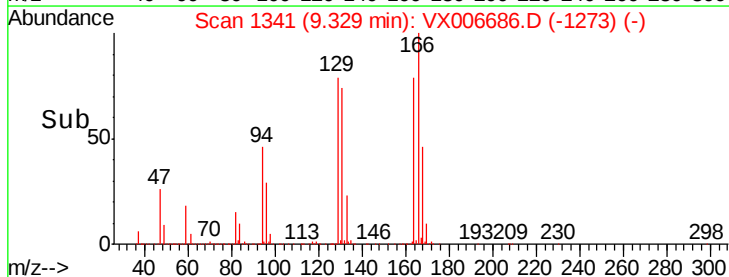
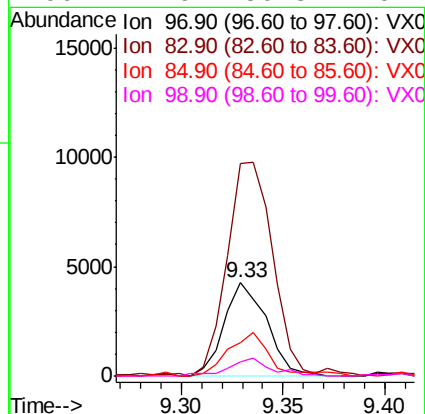
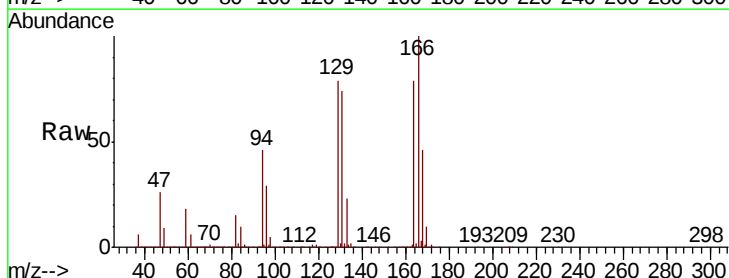
Ion Ratio Lower Upper

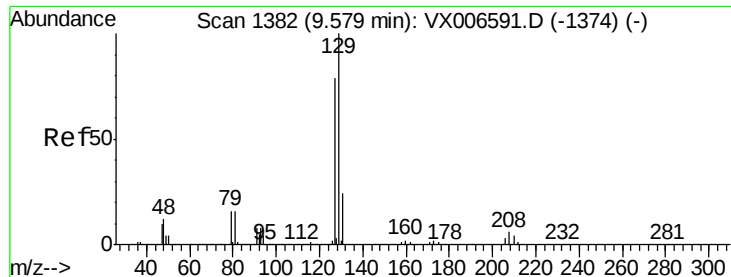
97 100

83 227.2 66.6 99.8#

85 35.9 42.7 64.1#

99 14.6 50.8 76.2#





#60

Dibromochloromethane

Concen: 99.315 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

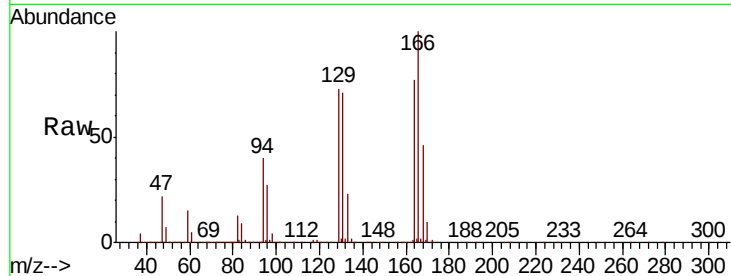
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 700605

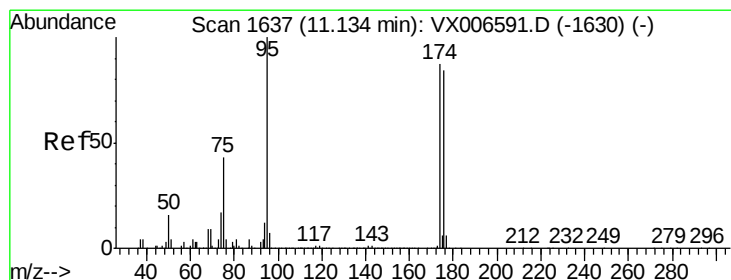
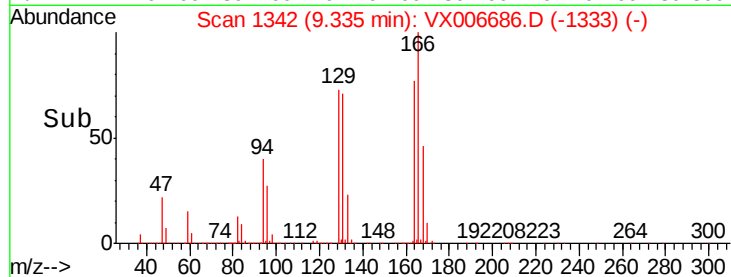
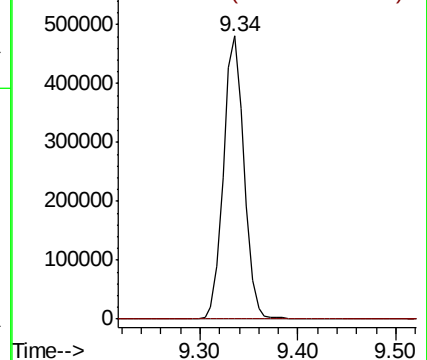
Ion Ratio Lower Upper

129 100

127 0.1 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

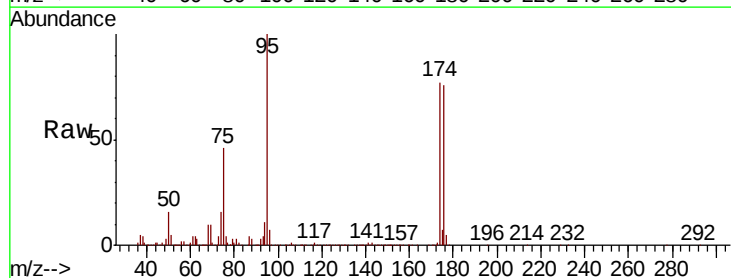
Tgt Ion: 95 Resp: 428713

Ion Ratio Lower Upper

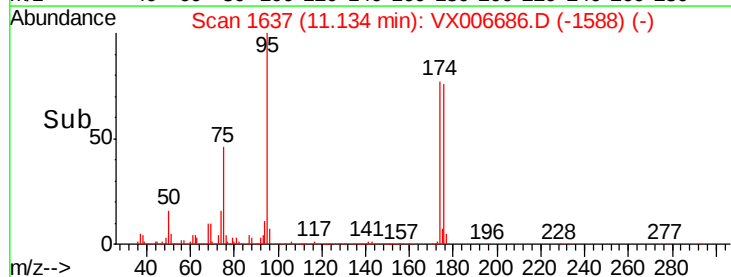
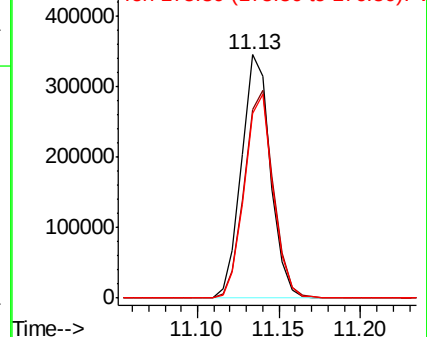
95 100

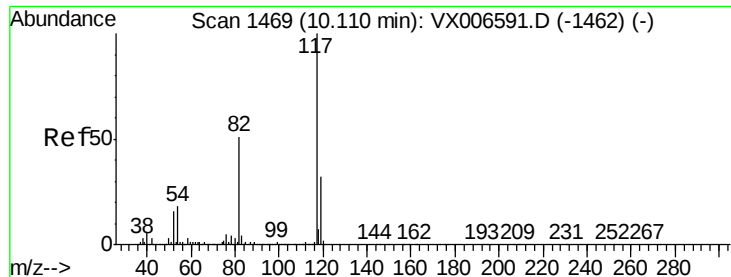
174 86.0 0.0 182.2

176 83.6 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

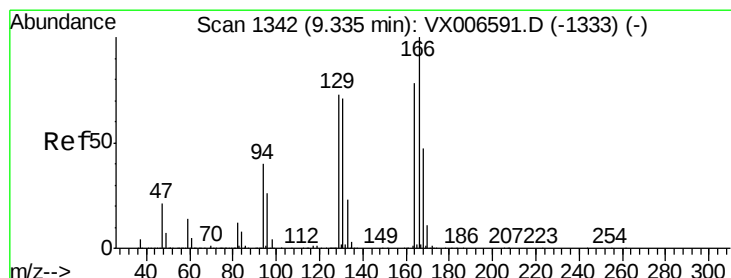
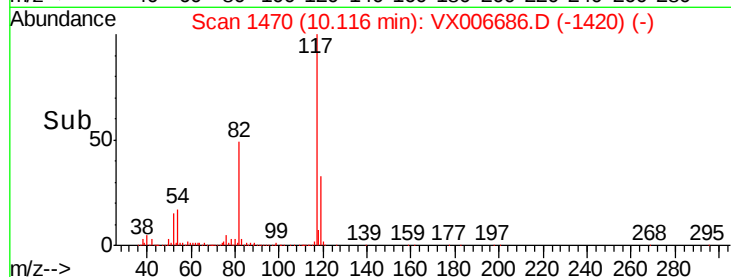
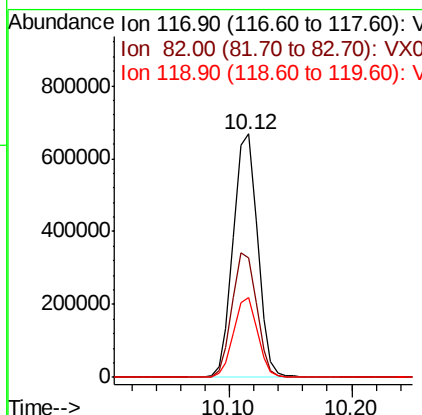
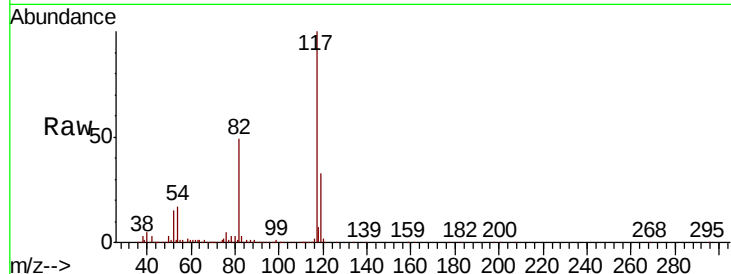




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

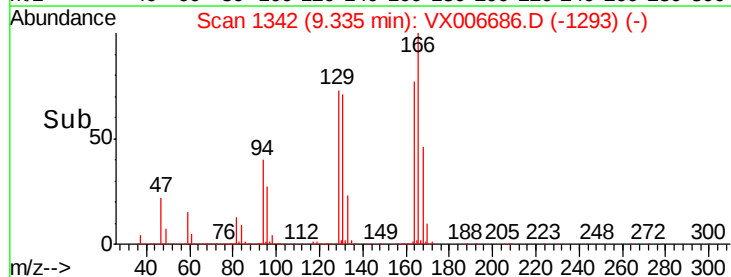
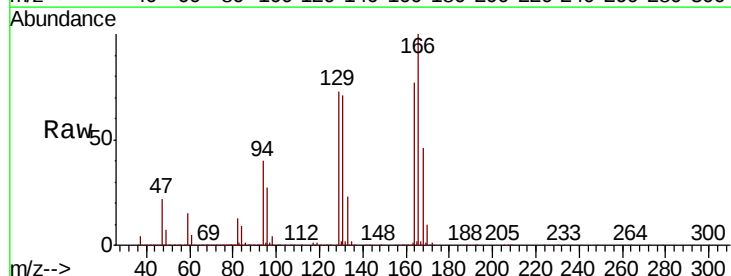
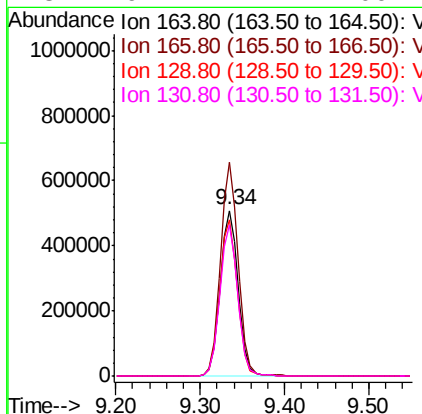
Instrument :
MSVOA_X
ClientSampled :

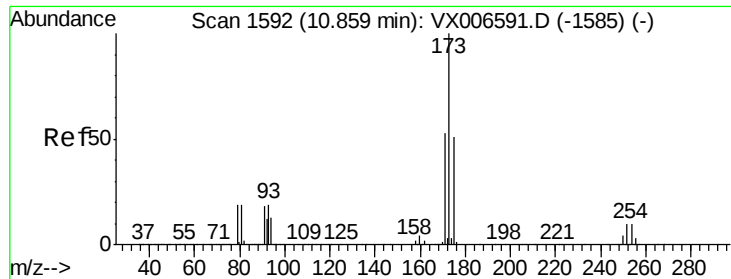
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.0	61.6
119	32.7	25.4	38.0



#64
Tetrachloroethene
Concen: 102.566 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006686.D
Acq: 20 Dec 2018 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.5	153.7
129	94.7	75.1	112.7
131	91.7	72.7	109.1





#71

Bromoform

Concen: 4.478 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. 0.02 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

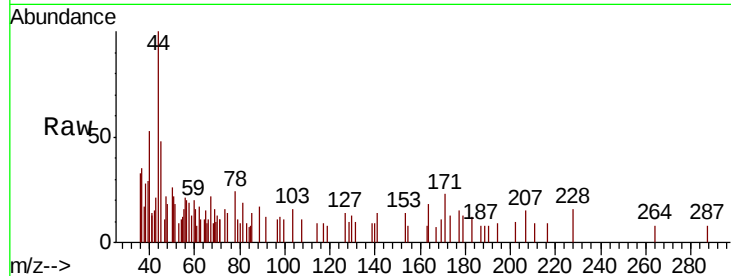
Tot Ion:173 Resp: 110

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

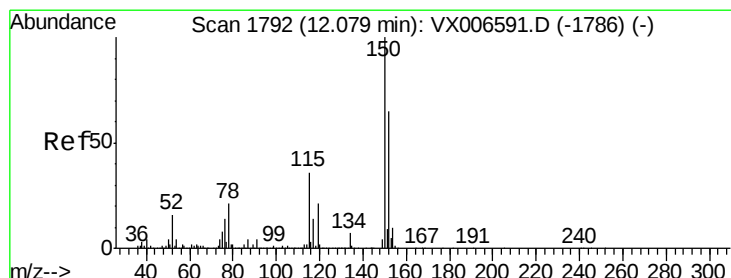
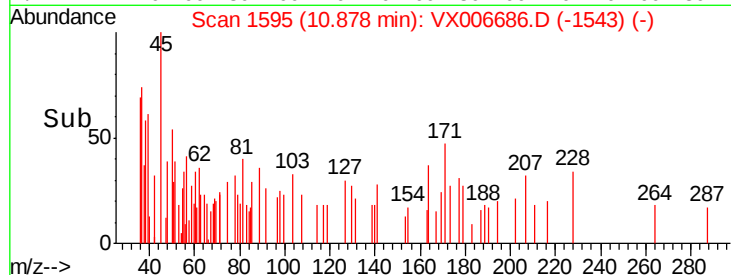
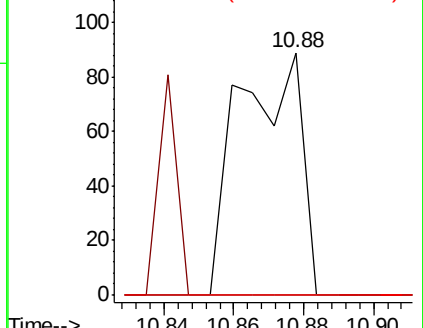
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006686.D

Acq: 20 Dec 2018 19:47

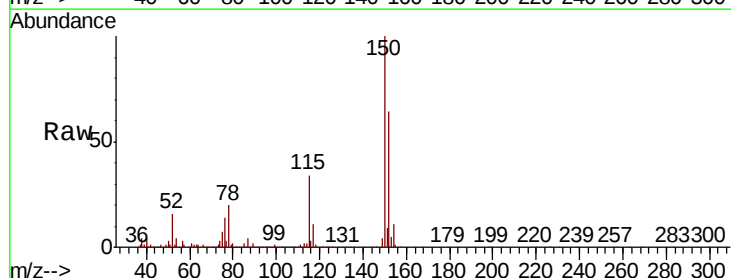
Tgt Ion:152 Resp: 438438

Ion Ratio Lower Upper

152 100

115 56.2 39.1 117.2

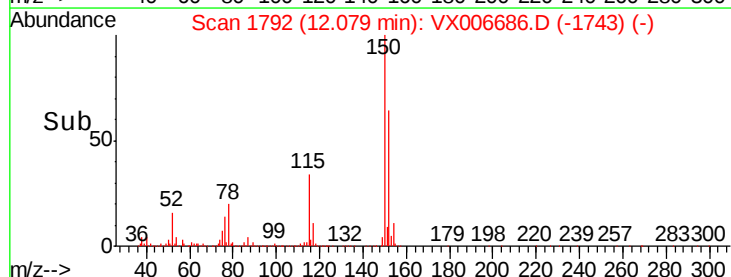
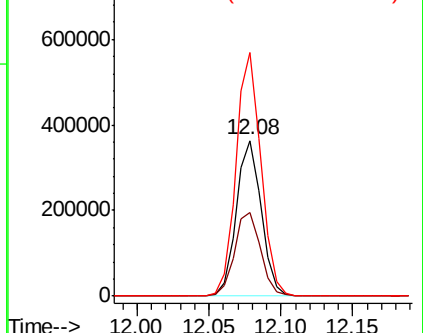
150 156.9 0.0 344.8

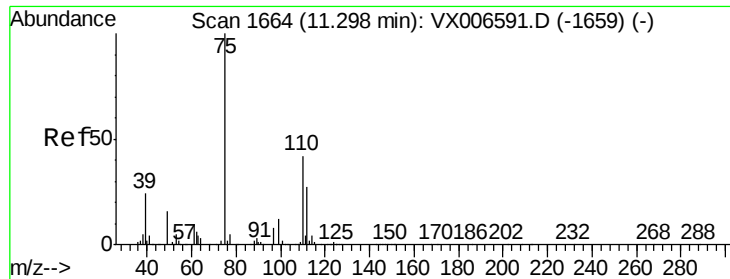


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.425 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

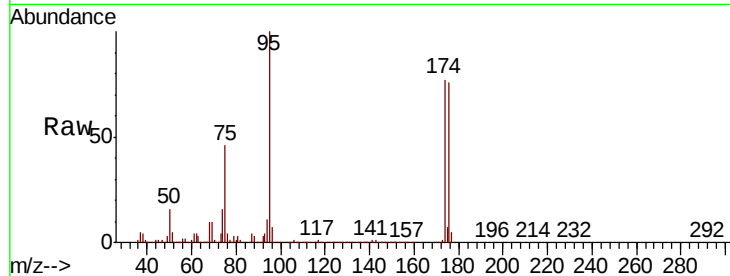
ClientSampleId :

Tot Ion: 75 Resp: 199012

Ion Ratio Lower Upper

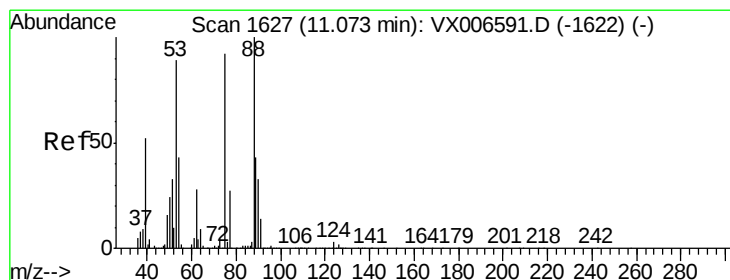
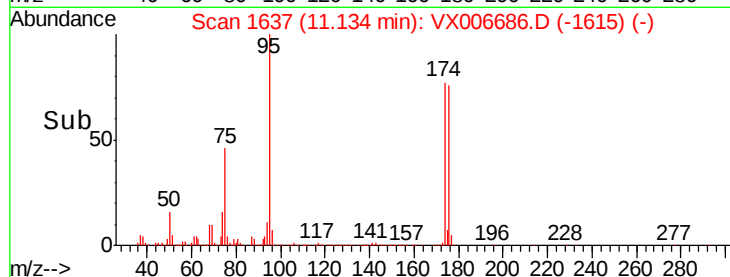
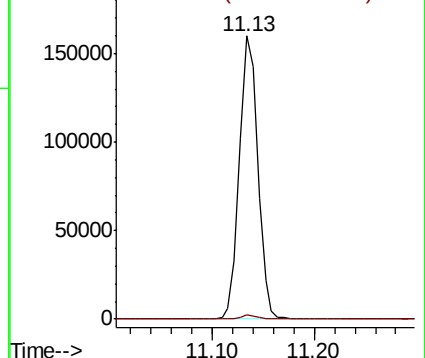
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 72.271 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

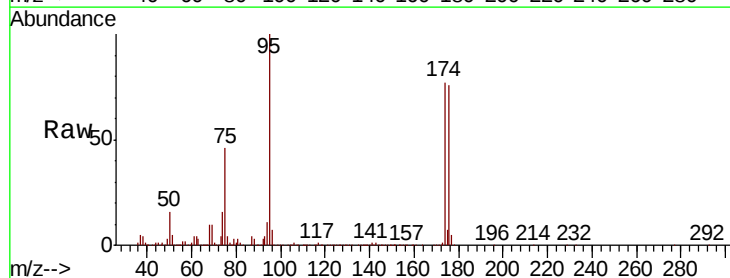
Tgt Ion: 75 Resp: 199012

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

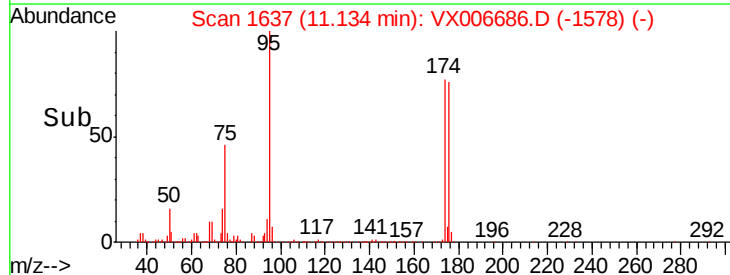
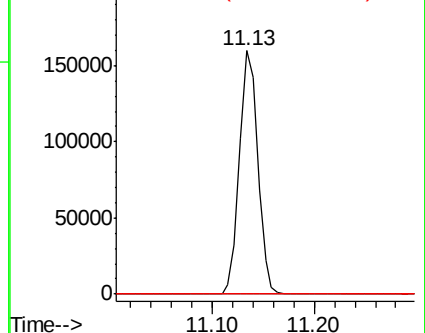
89 0.0 38.0 57.0#

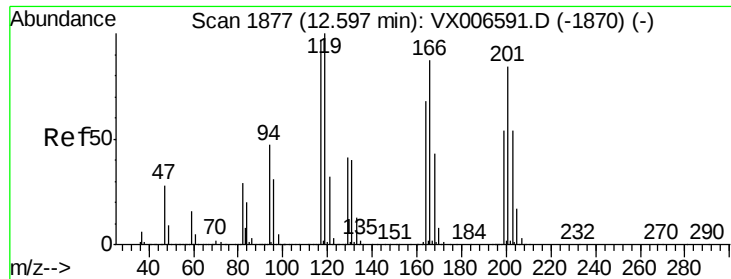


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 3.307 ug/l

RT: 12.74 min Scan# 1900

Delta R.T. 0.14 min

Lab File: VX006686.D

Acq: 20 Dec 2018 19:47

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 63

Ion Ratio Lower Upper

117 100

201 52.4 42.9 128.7

