

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006569.D
 Acq On : 17 Dec 2018 13:39
 Operator : JC/MD
 Sample : J6405-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20181212

Quant Time: Dec 18 01:08:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	687418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1094448	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	993086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	459996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	375865	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.51	113	331943	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.71	98	1289897	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	463500	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

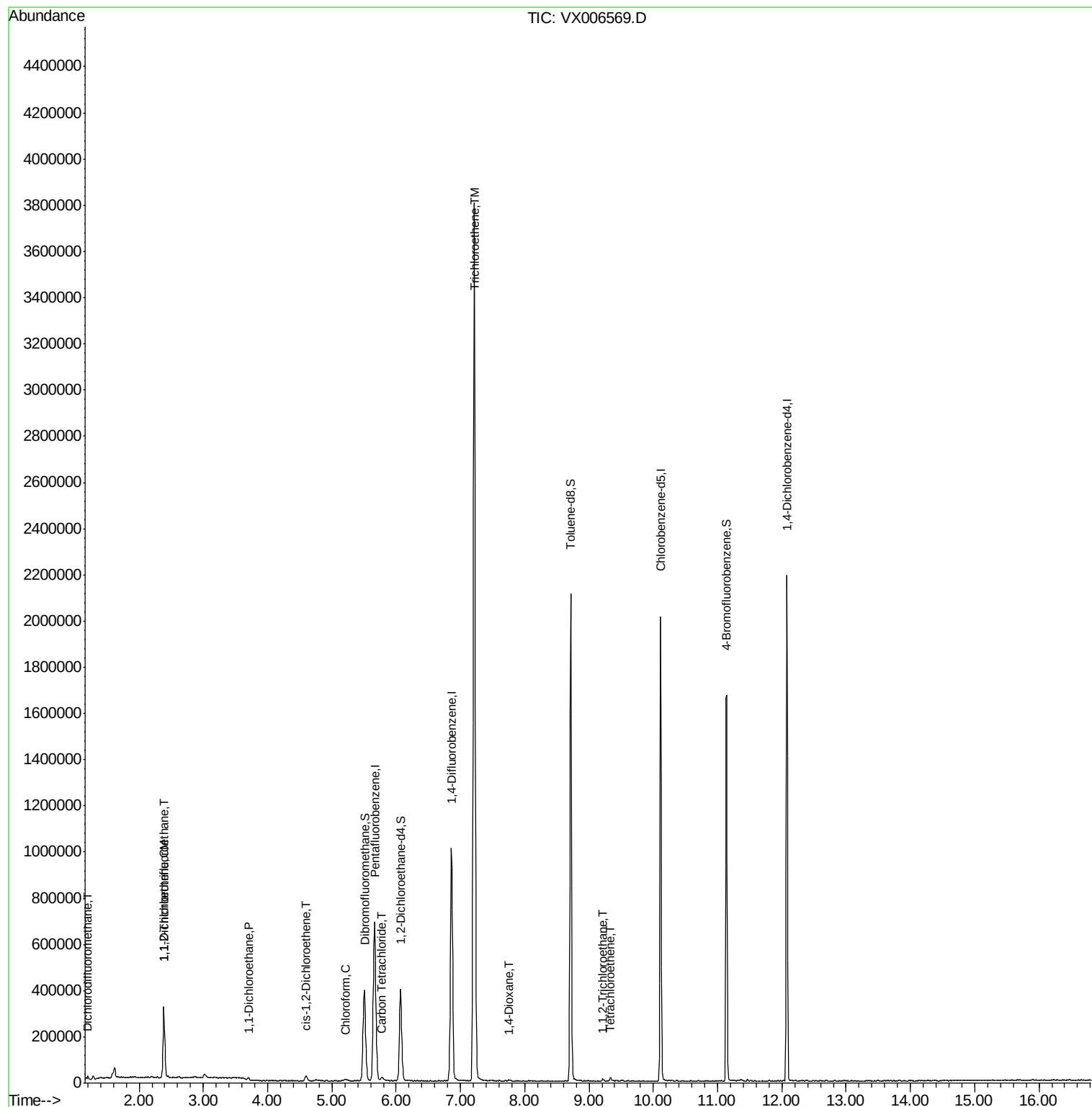
	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	6221	0.924	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	95570	14.708	ug/l	98
12) 1,1-Dichloroethene	2.38	96	34472	5.542	ug/l	94
24) 1,1-Dichloroethane	3.70	63	12198	1.112	ug/l #	94
27) cis-1,2-Dichloroethene	4.60	96	14293	1.933	ug/l	89
30) Chloroform	5.21	83	9656	0.838	ug/l	97
38) Carbon Tetrachloride	5.78	117	11485	1.059	ug/l	89
44) Trichloroethene	7.21	130	1489795	178.154	ug/l	90
49) 1,4-Dioxane	7.75	88	3968	19.231	ug/l #	86
55) 1,1,2-Trichloroethane	9.21	97	3936	0.533	ug/l	95
64) Tetrachloroethene	9.34	164	2370	0.317	ug/l #	81

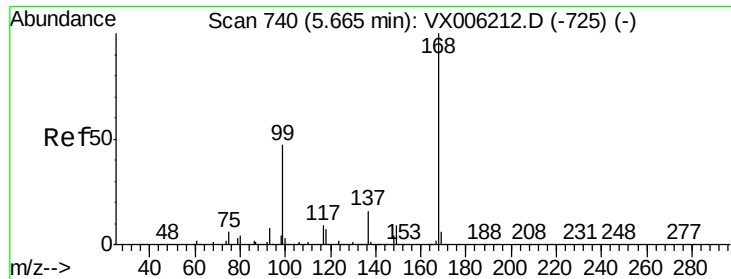
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

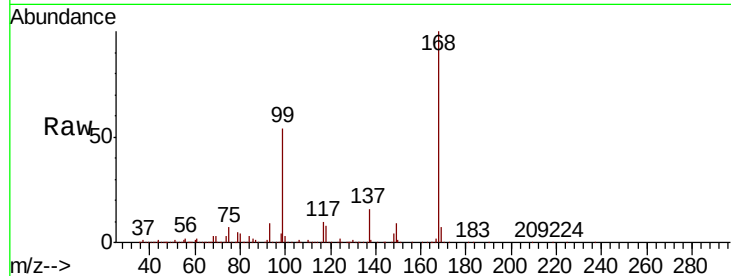
TT101D1-20181212

Tot Ion:168 Resp: 687418

Ion Ratio Lower Upper

168 100

99 54.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

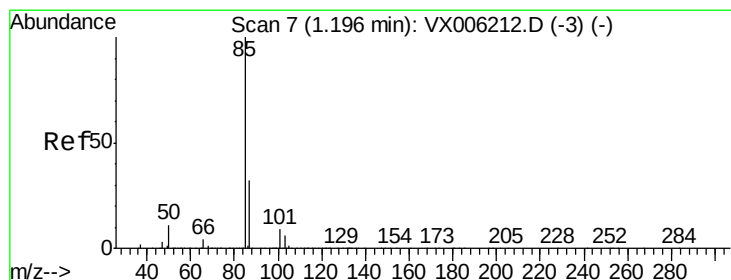
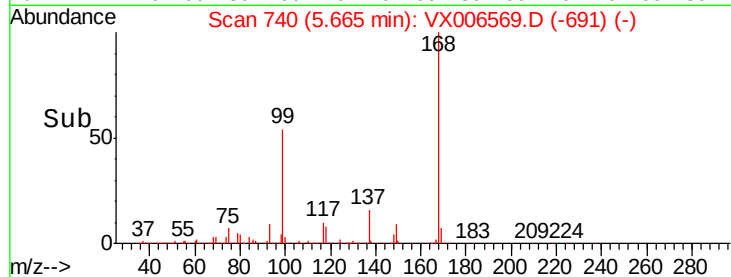
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.924 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006569.D

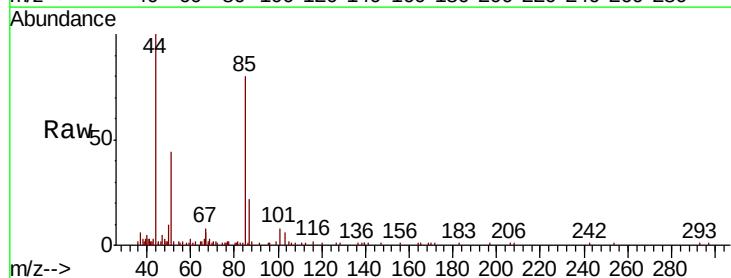
Acq: 17 Dec 2018 13:39

Tgt Ion: 85 Resp: 6221

Ion Ratio Lower Upper

85 100

87 27.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

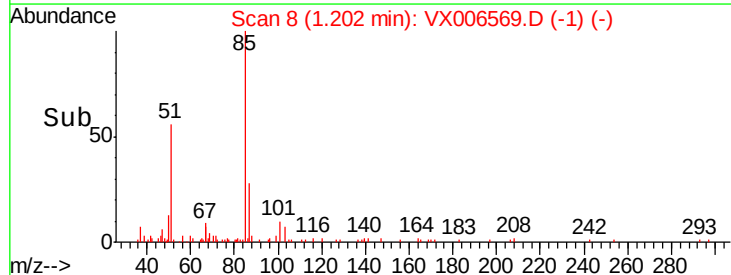
6000

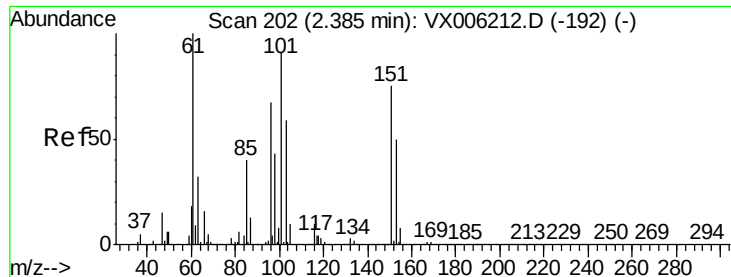
4000

2000

0

Time--> 1.15 1.20 1.25





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.708 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20181212

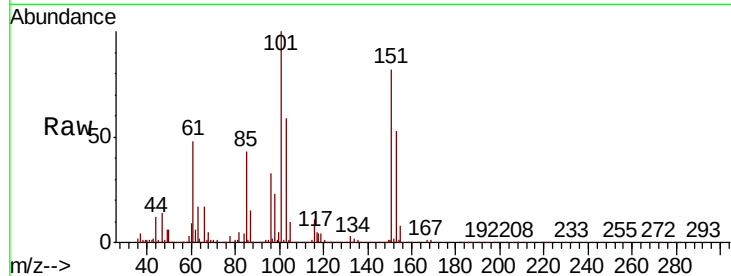
Tot Ion:101 Resp: 95570

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

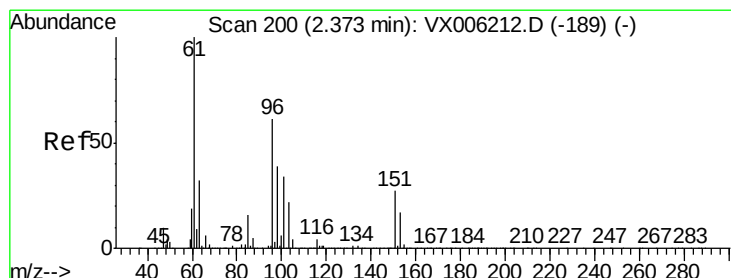
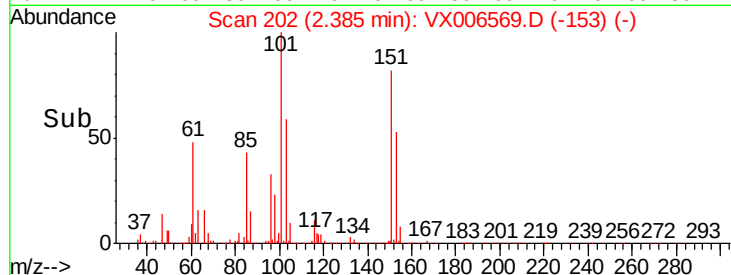
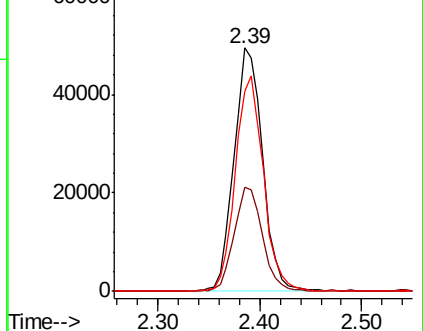
151 86.8 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 5.542 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

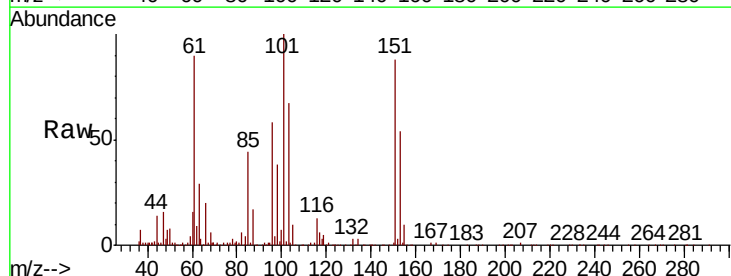
Tgt Ion: 96 Resp: 34472

Ion Ratio Lower Upper

96 100

61 154.4 131.7 197.5

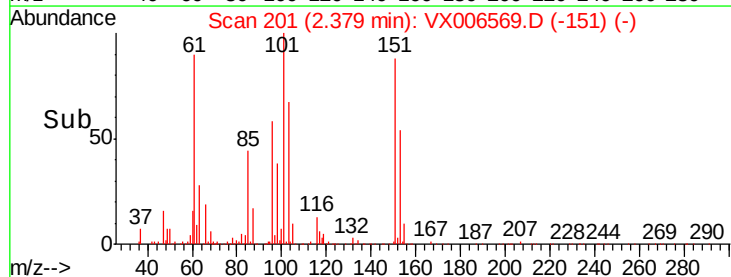
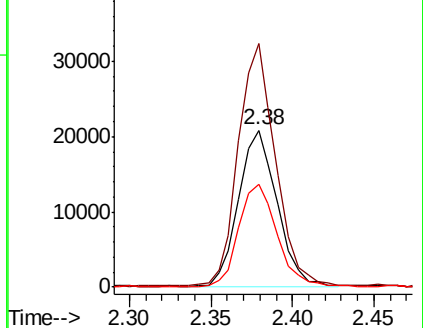
98 65.2 51.8 77.6

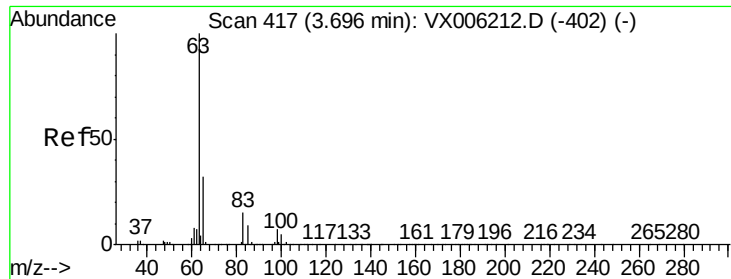


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 1.112 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20181212

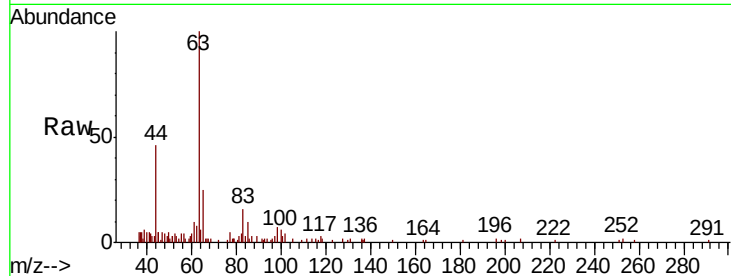
Tot Ion: 63 Resp: 12198

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.4

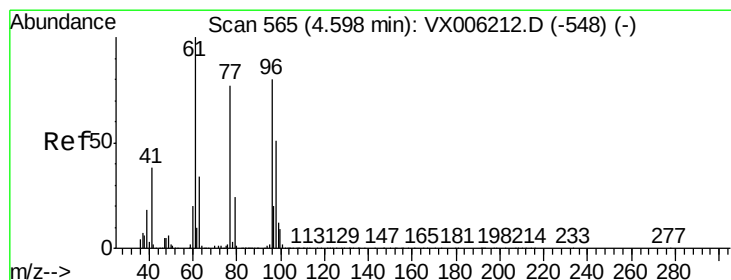
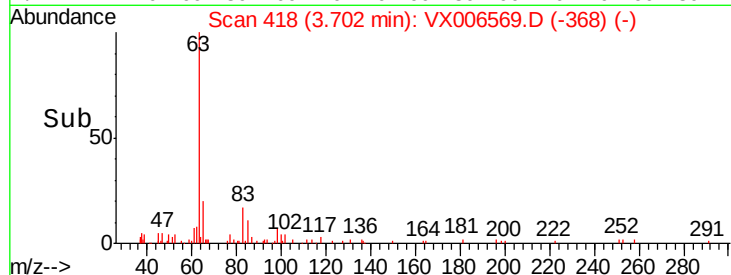
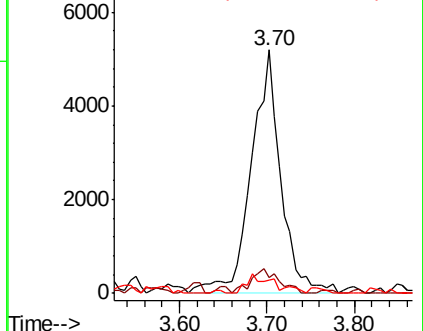
100 8.3 2.5 7.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.933 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

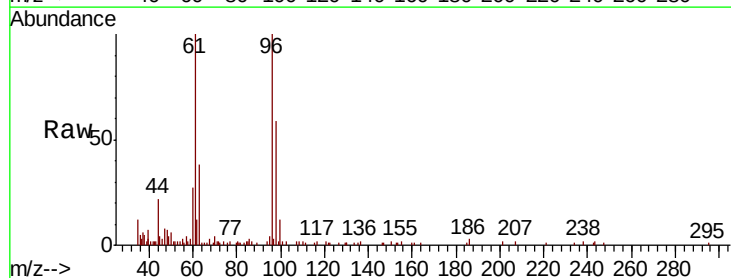
Tgt Ion: 96 Resp: 14293

Ion Ratio Lower Upper

96 100

61 118.2 0.0 265.0

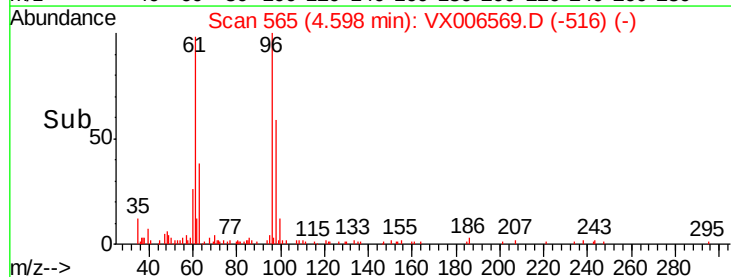
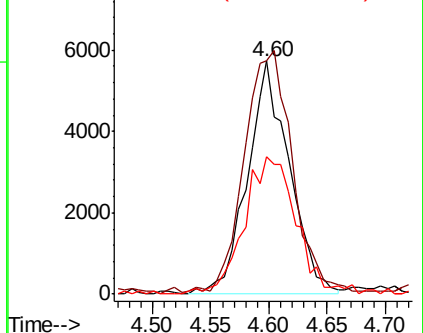
98 71.7 0.0 130.2

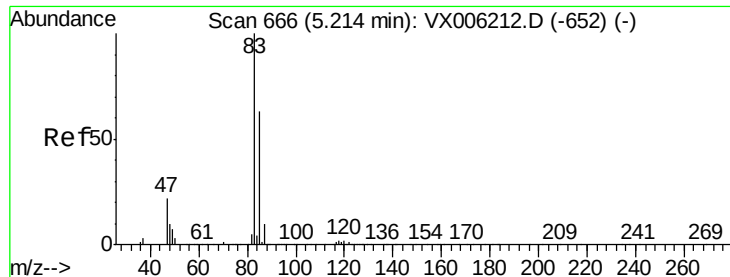


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

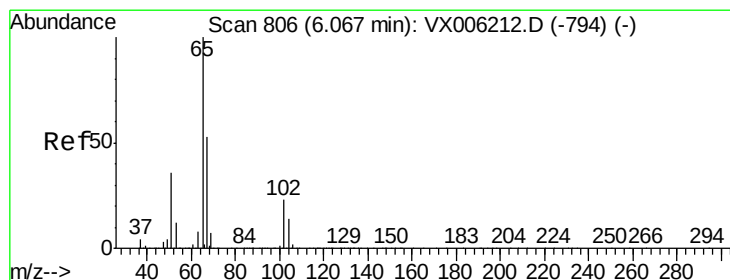
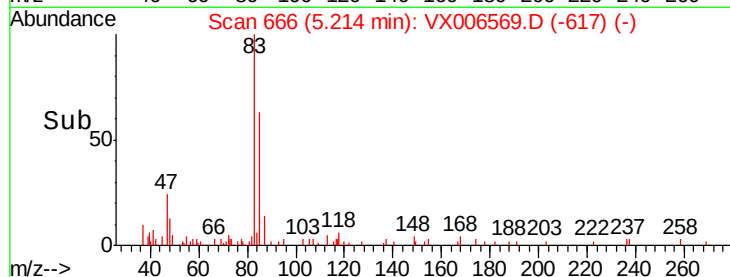
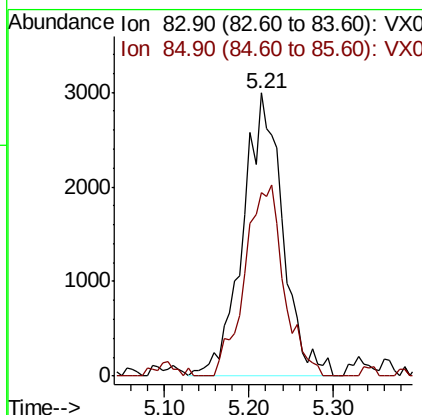
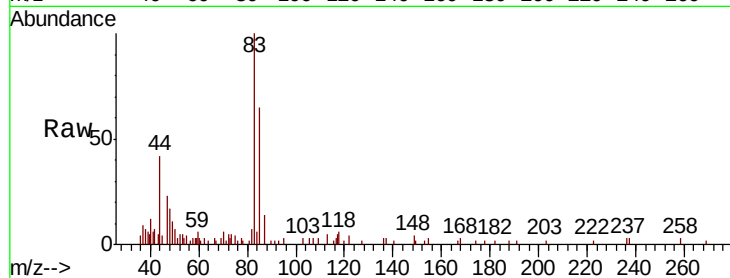




#30
Chloroform
Concen: 0.838 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

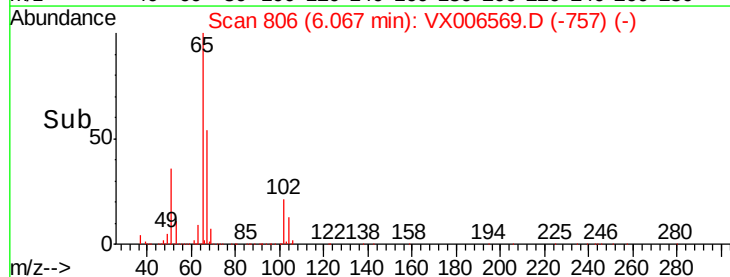
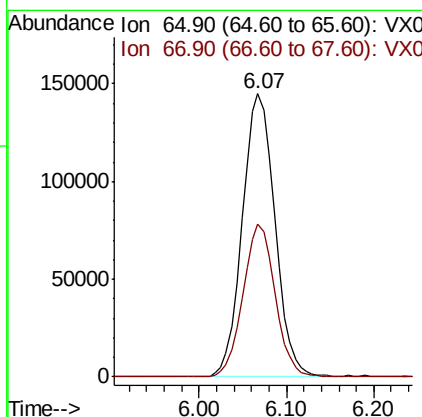
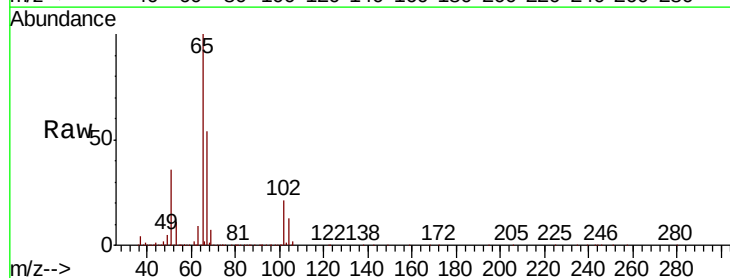
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20181212

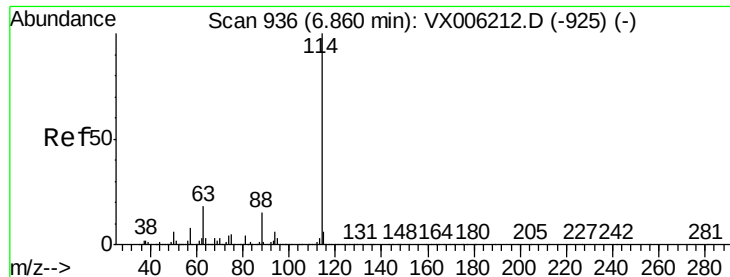
Tot Ion: 83 Resp: 9656
Ion Ratio Lower Upper
83 100
85 65.0 50.3 75.5



#33
1,2-Dichloroethane-d4
Concen: 53.562 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

Tgt Ion: 65 Resp: 375865
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20181212

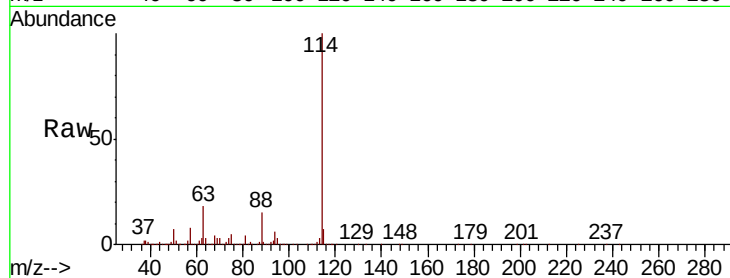
Tot Ion:114 Resp: 1094448

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

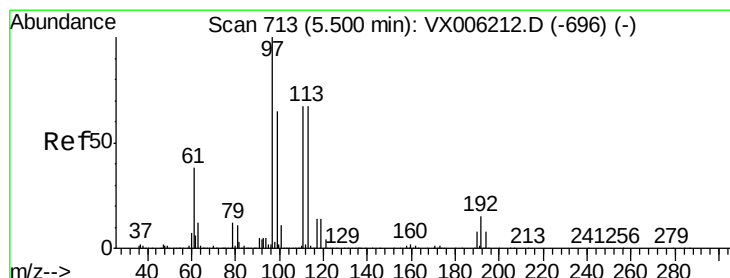
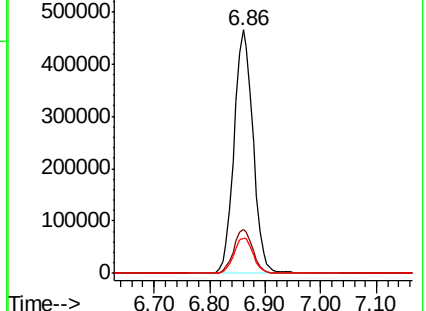
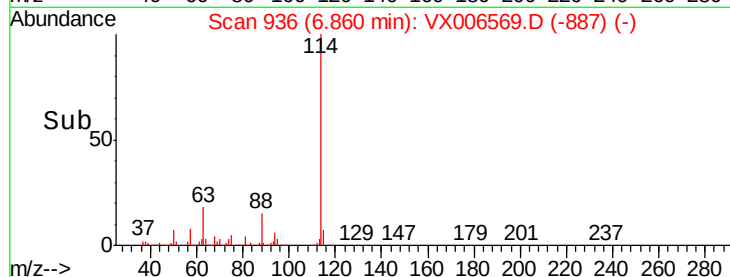
88 14.5 0.0 29.0



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: 46.844 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

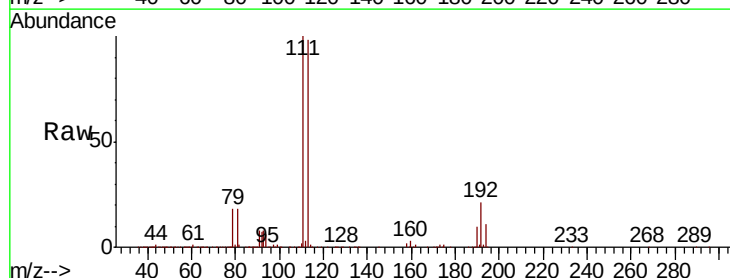
Tgt Ion:113 Resp: 331943

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

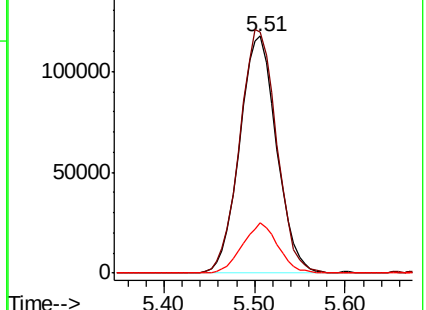
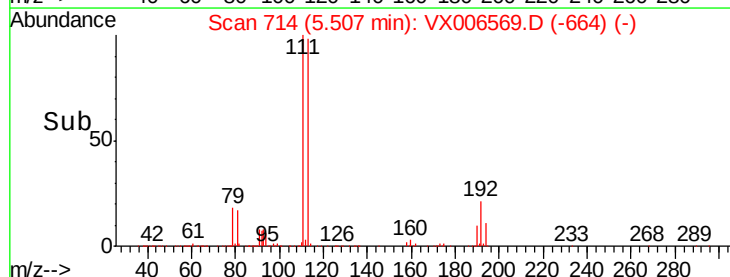
192 20.5 18.2 27.2

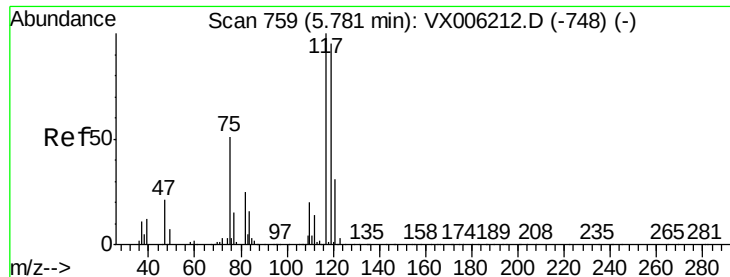


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 1.059 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

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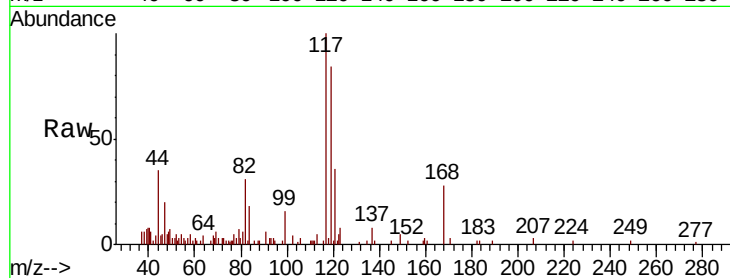
Tot Ion:117 Resp: 11485

Ion Ratio Lower Upper

117 100

119 83.8 75.8 113.8

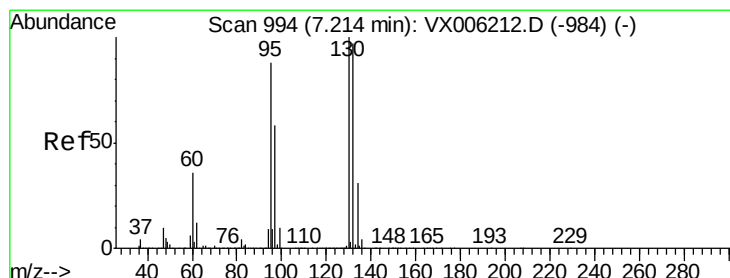
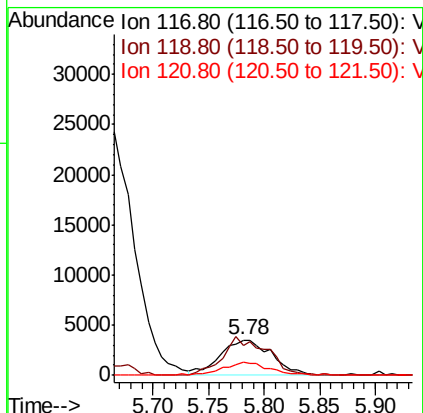
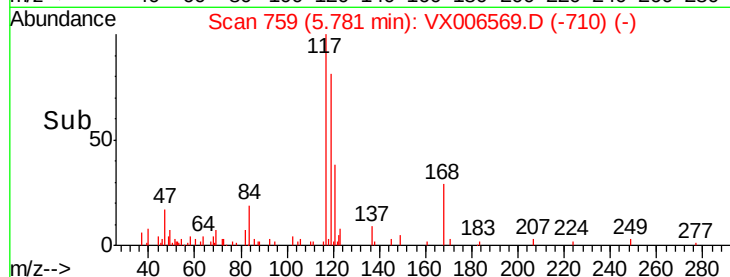
121 36.3 24.6 37.0



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



#44

Trichloroethene

Concen: 178.154 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006569.D

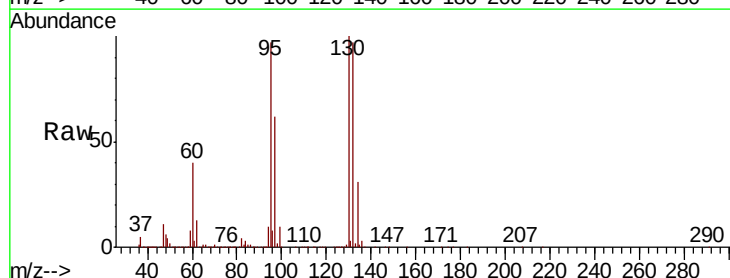
Acq: 17 Dec 2018 13:39

Tgt Ion:130 Resp: 1489795

Ion Ratio Lower Upper

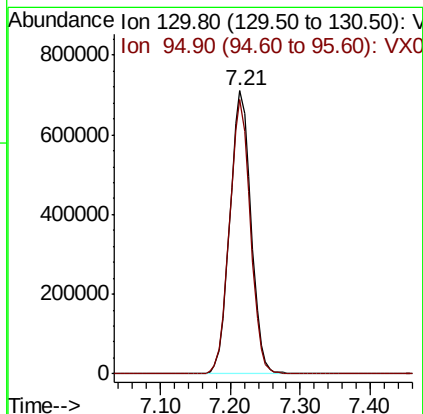
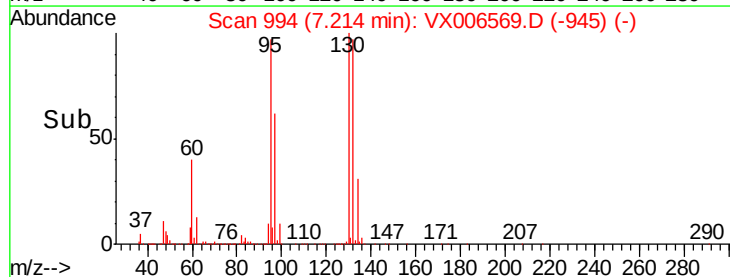
130 100

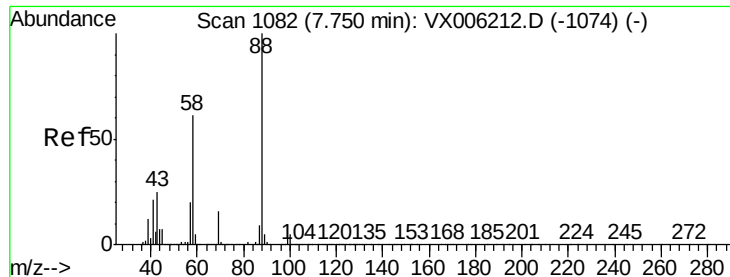
95 96.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

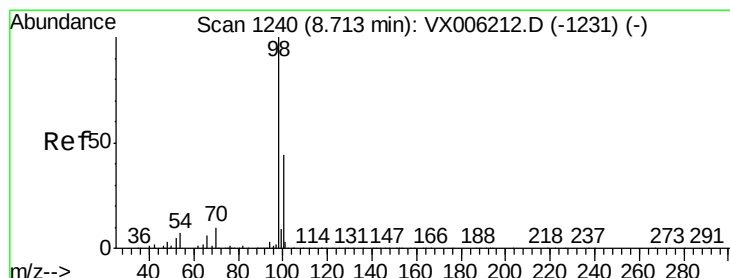
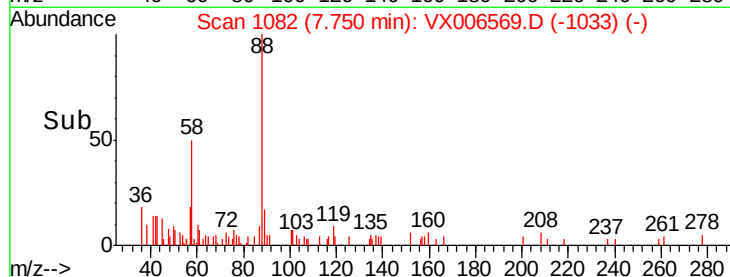
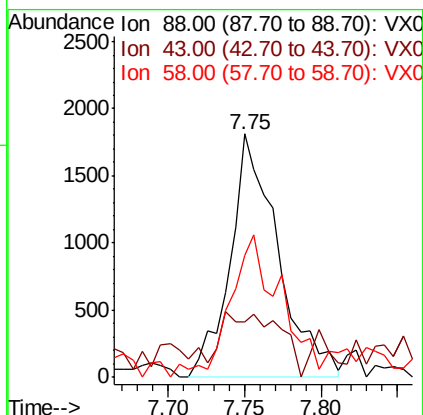
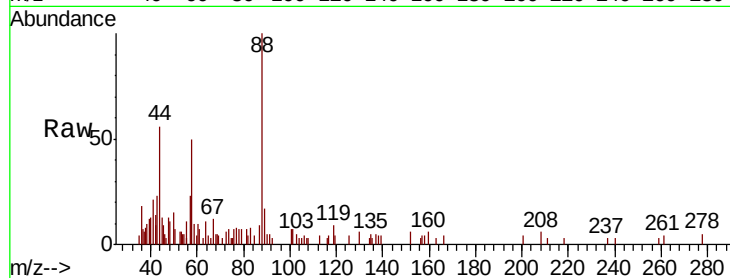




#49
1,4-Dioxane
Concen: 19.231 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

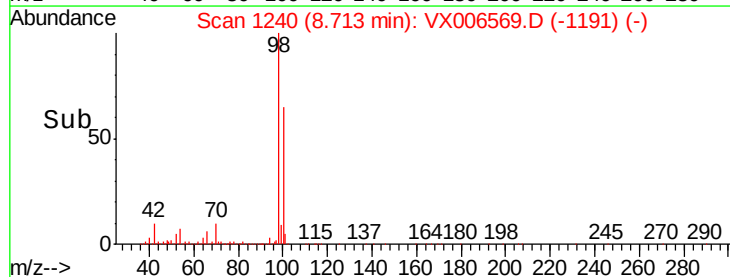
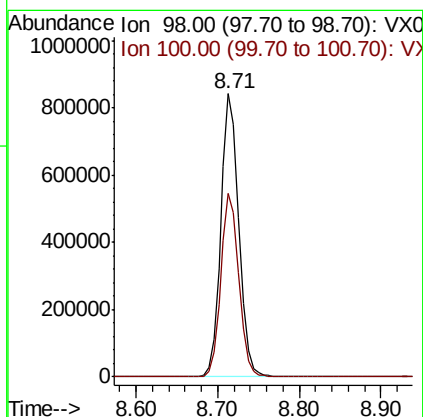
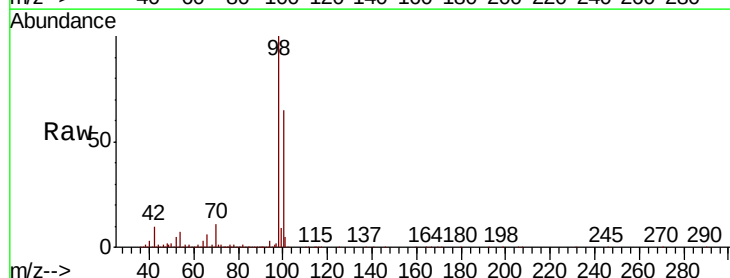
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20181212

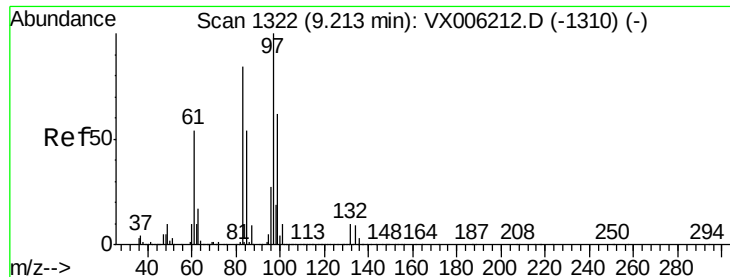
Tot Ion	Ratio	Lower	Upper
88	100		
43	10.1	23.2	34.8#
58	61.3	51.4	77.0



#50
Toluene-d8
Concen: 50.044 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2

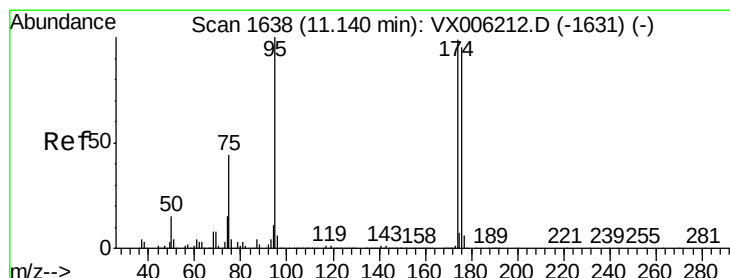
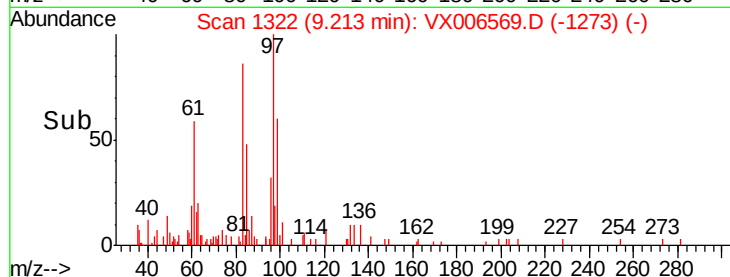
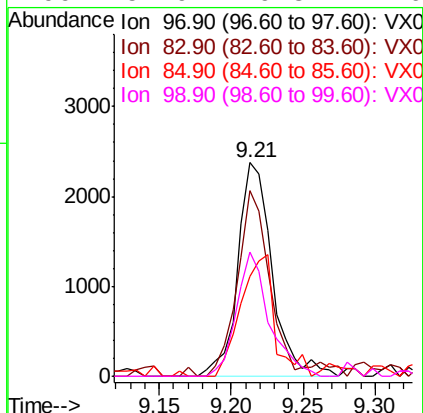
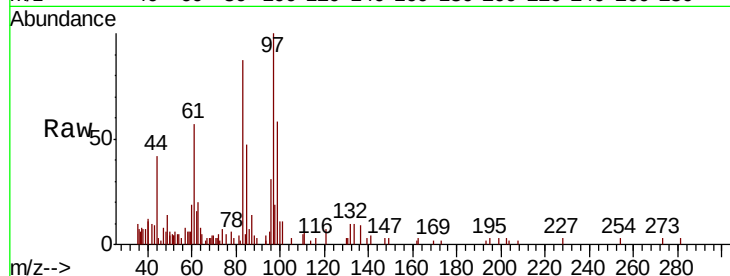




#55
 1,1,2-Trichloroethane
 Concen: 0.533 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006569.D
 Acq: 17 Dec 2018 13:39

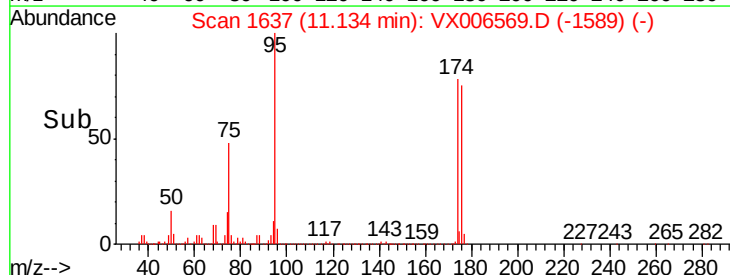
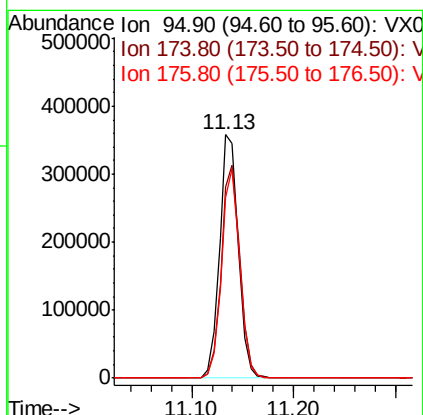
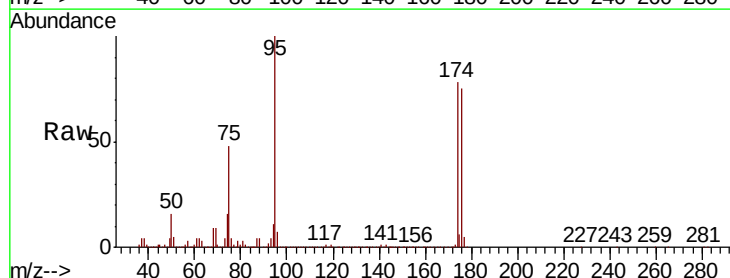
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20181212

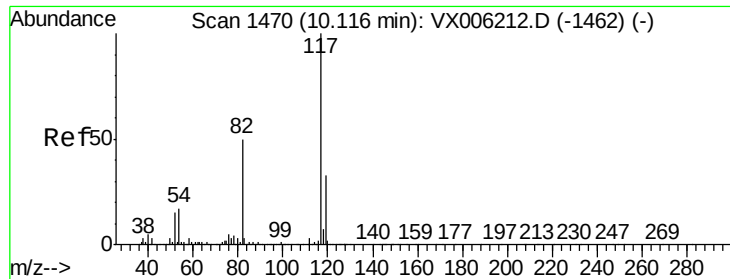
Tot Ion:	97	Resp:	3936
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.1	100.7
85	46.9	43.2	64.8
99	57.9	49.8	74.6



#62
 4-Bromofluorobenzene
 Concen: 47.720 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006569.D
 Acq: 17 Dec 2018 13:39

Tgt Ion:	95	Resp:	463500
Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	187.0
176	83.3	0.0	181.8

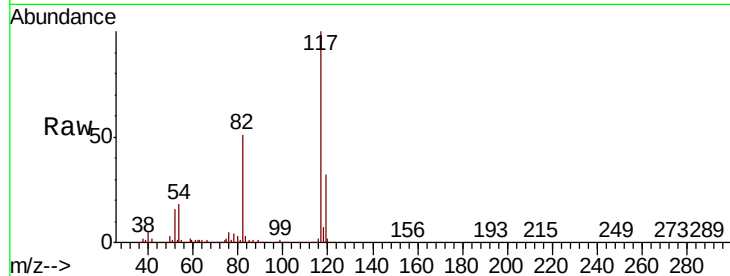




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20181212

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.6	59.4
119	31.7	26.3	39.5

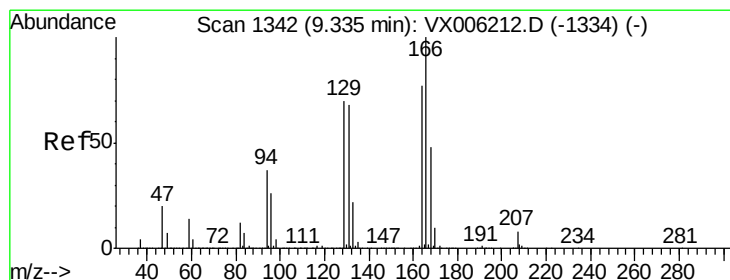
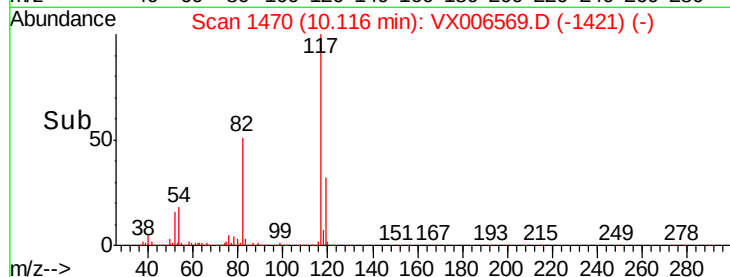
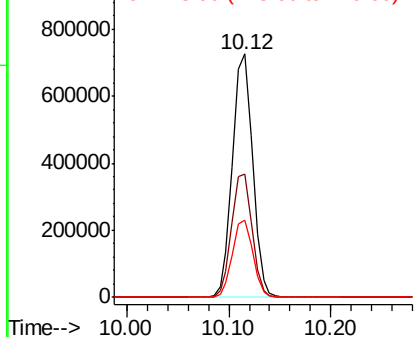


Abundance

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



#64
Tetrachloroethene
Concen: 0.317 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX006569.D
Acq: 17 Dec 2018 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	99.9	104.2	156.2#
129	72.2	72.6	108.8#
131	96.8	70.3	105.5

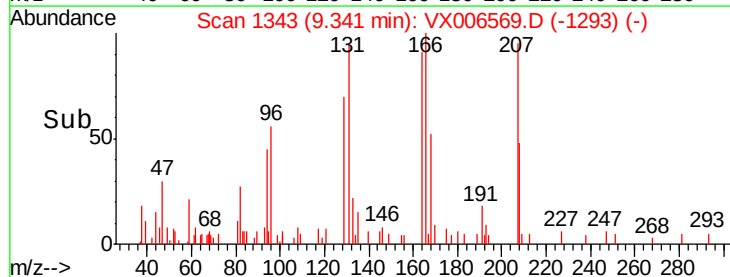
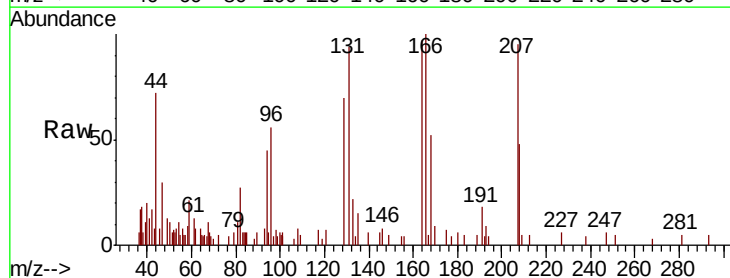
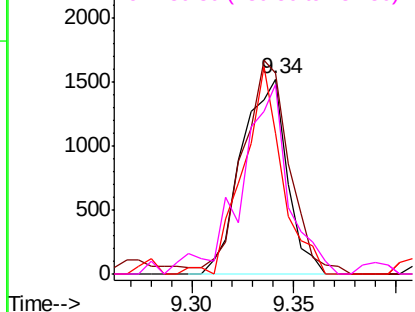
Abundance

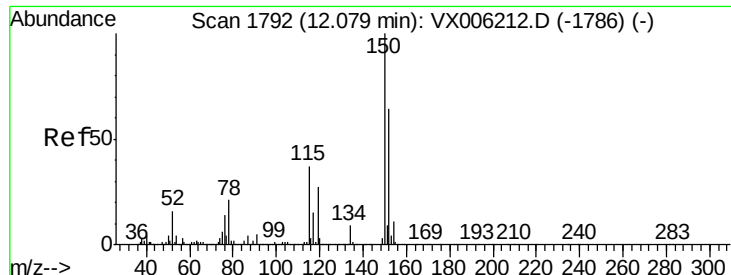
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX006569.D

Acq: 17 Dec 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20181212

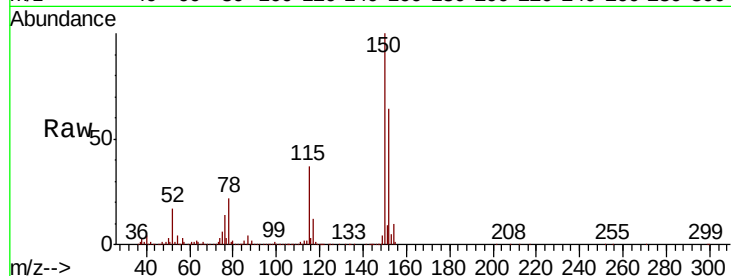
Tot Ion:152 Resp: 459996

Ion Ratio Lower Upper

152 100

115 57.8 39.0 116.9

150 157.1 0.0 345.8



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

