

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006582.D
 Acq On : 17 Dec 2018 19:26
 Operator : JC/MD
 Sample : J6405-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:42:05 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	645148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1040424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	946463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	448068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	363082	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	5.50	113	311947	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	8.71	98	1234838	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	458244	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

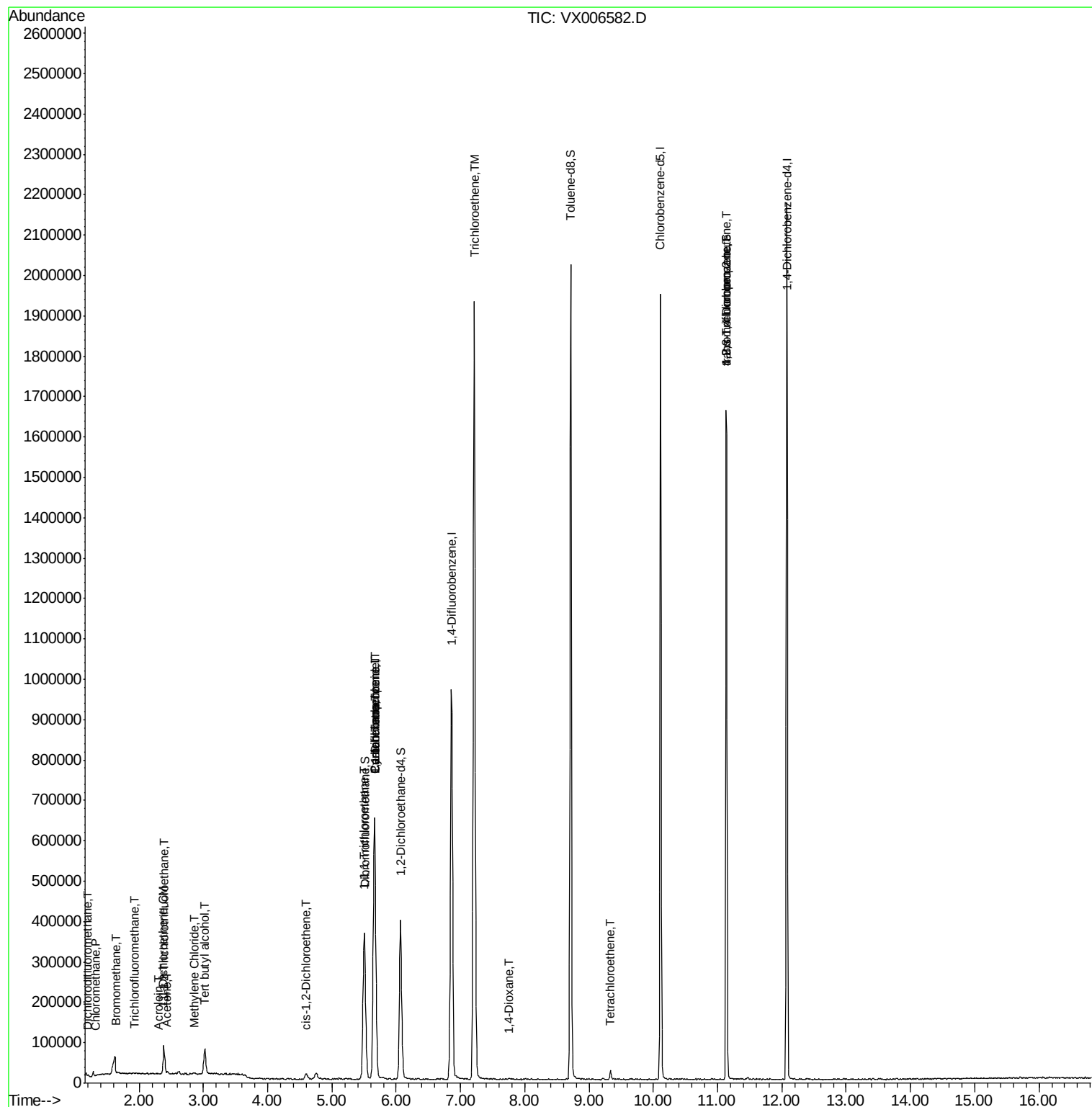
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1903	0.301	ug/l	89
3) Chloromethane	1.33	50	1318	0.203	ug/l	95
5) Bromomethane	1.64	94	999	0.206	ug/l #	36
7) Trichlorofluoromethane	1.93	101	2261	0.211	ug/l #	73
9) 1,1,2-Trichlorotrifluoroet	2.39	101	24981	4.097	ug/l	99
11) Tert butyl alcohol	3.02	59	38085	21.145	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	3853	0.660	ug/l #	75
13) Acrolein	2.31	56	214	0.217	ug/l #	13
16) Acetone	2.44	43	5115	1.655	ug/l #	85
20) Methylene Chloride	2.86	84	1981	0.301	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	9010	1.298	ug/l	93
31) Cyclohexane	5.66	56	11172	1.174	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	2561	0.249	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	43903	5.011	ug/l #	38
38) Carbon Tetrachloride	5.67	117	64255	6.234	ug/l #	16
44) Trichloroethene	7.21	130	760040	95.607	ug/l	91
49) 1,4-Dioxane	7.75	88	2881	14.688	ug/l #	77
64) Tetrachloroethene	9.34	164	4273	0.599	ug/l	83
76) 1,2,3-Trichloropropane	11.13	75	214172	24.764	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	214172	58.115	ug/l #	15

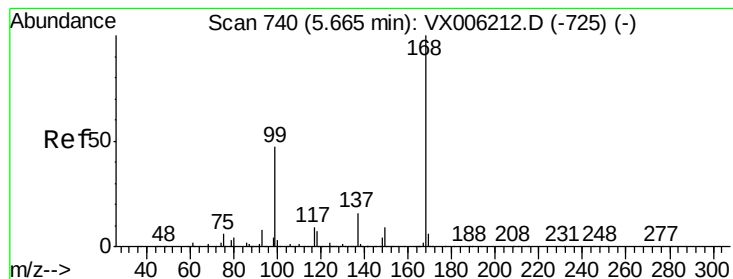
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 00:42:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Instrument :

MSVOA_X

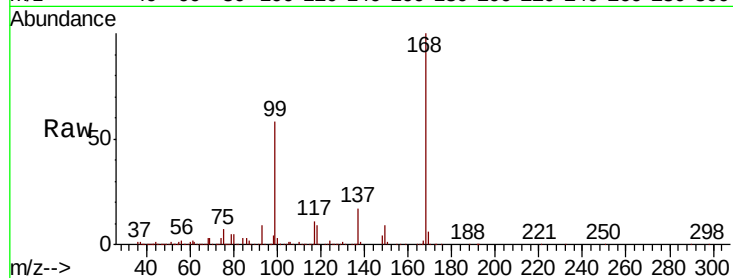
ClientSampled :

Tot Ion:168 Resp: 645148

Ion Ratio Lower Upper

168 100

99 58.1 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

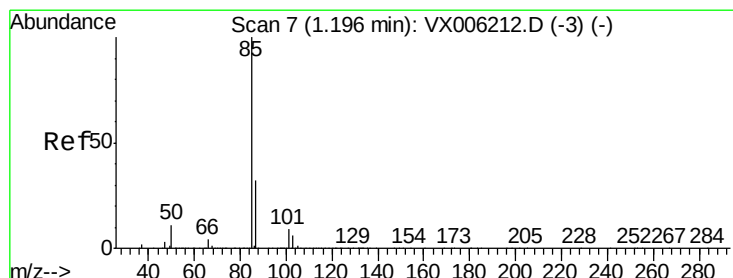
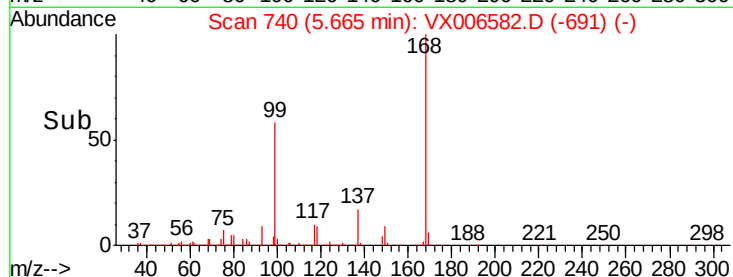
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.301 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006582.D

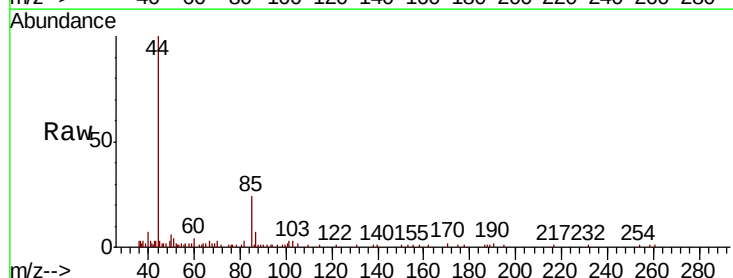
Acq: 17 Dec 2018 19:26

Tgt Ion: 85 Resp: 1903

Ion Ratio Lower Upper

85 100

87 26.1 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

2000

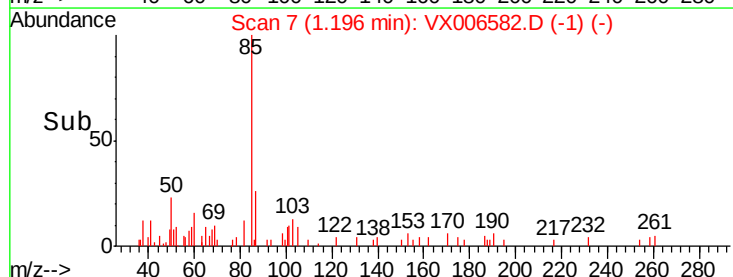
1500

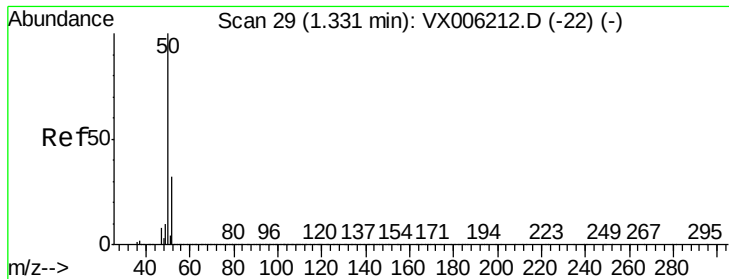
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Instrument :

MSVOA_X

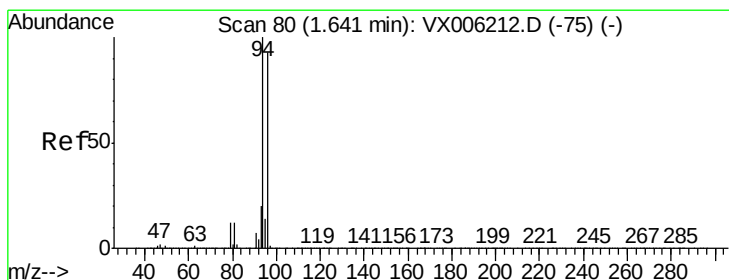
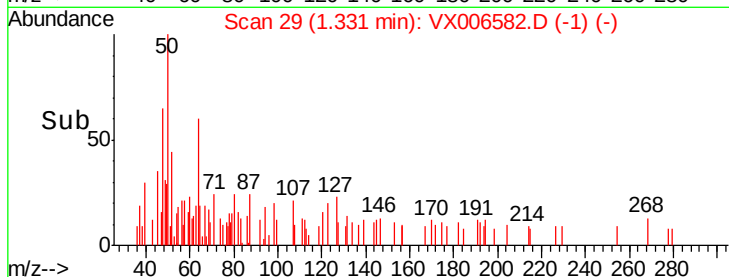
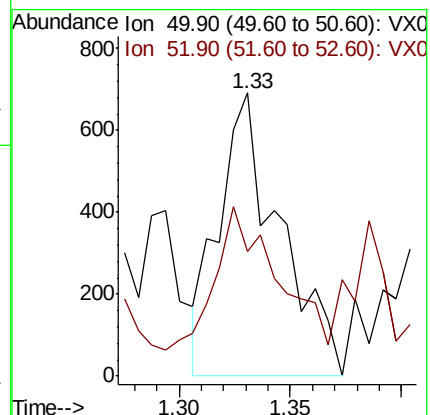
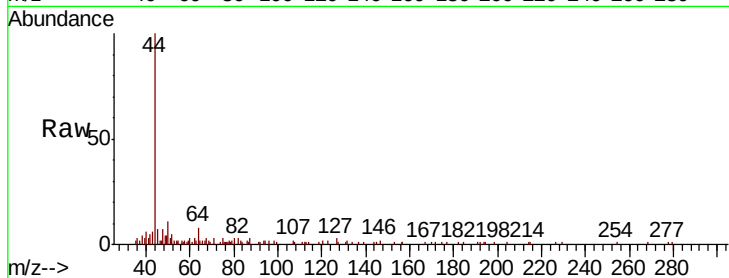
ClientSampleId :

Tot Ion: 50 Resp: 1318

Ion Ratio Lower Upper

50 100

52 28.9 25.2 37.8



#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006582.D

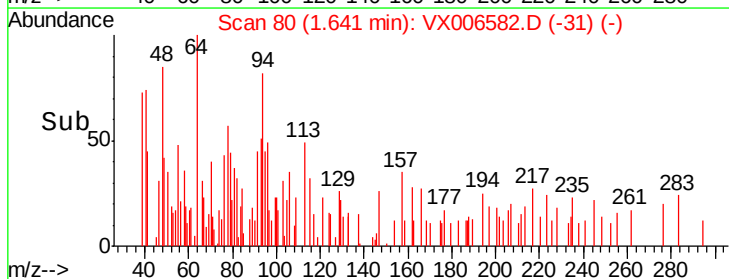
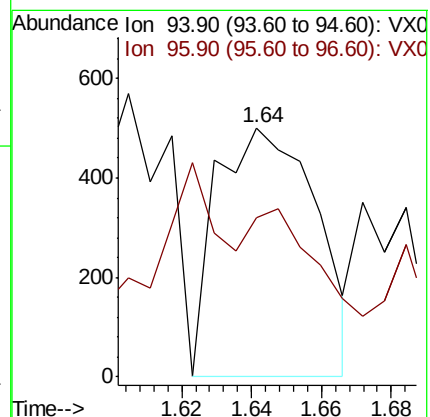
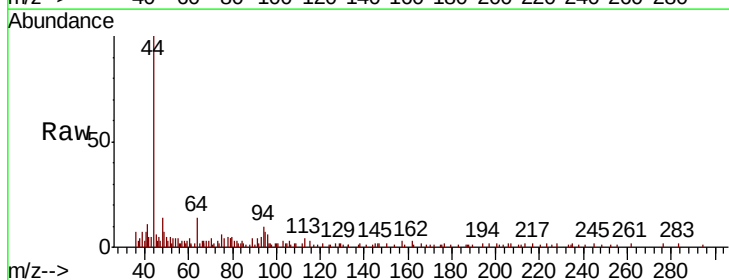
Acq: 17 Dec 2018 19:26

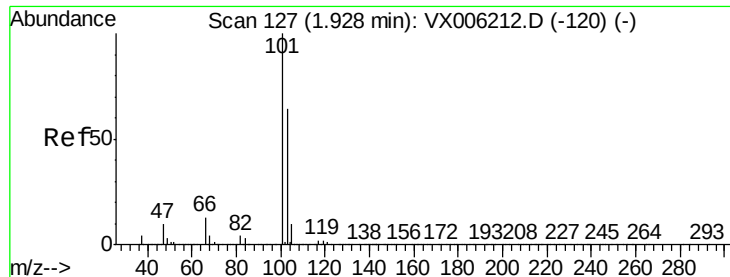
Tgt Ion: 94 Resp: 999

Ion Ratio Lower Upper

94 100

96 31.9 74.5 111.7#





#7

Trichlorofluoromethane

Concen: 0.211 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Instrument :

MSVOA_X

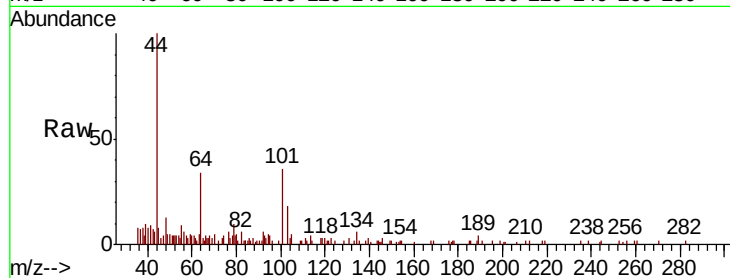
ClientSampleId :

Tot Ion:101 Resp: 2261

Ion Ratio Lower Upper

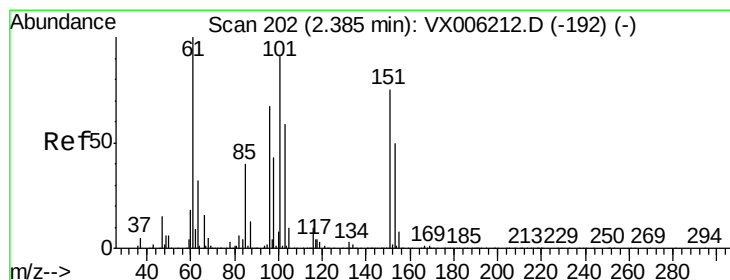
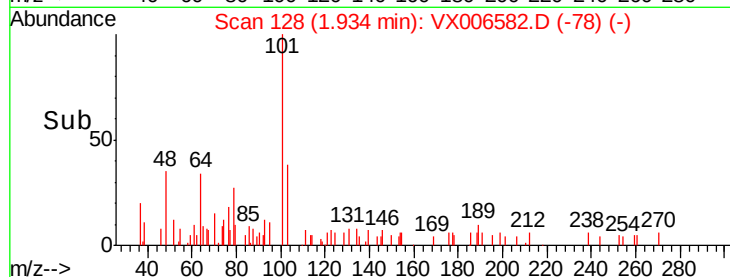
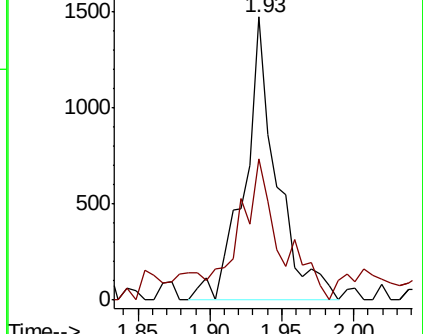
101 100

103 42.9 51.0 76.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.097 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

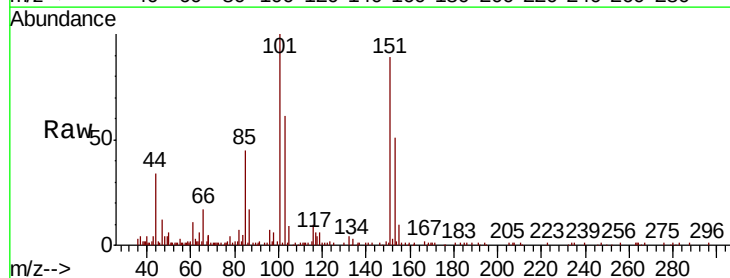
Tgt Ion:101 Resp: 24981

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

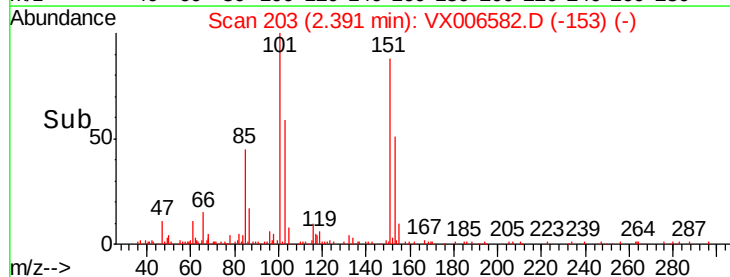
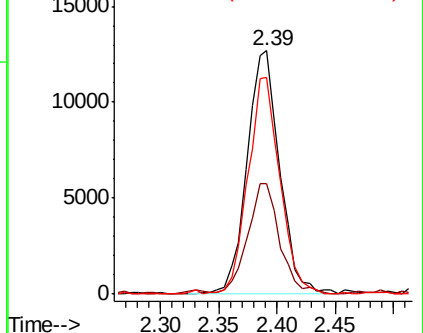
151 86.7 68.6 103.0

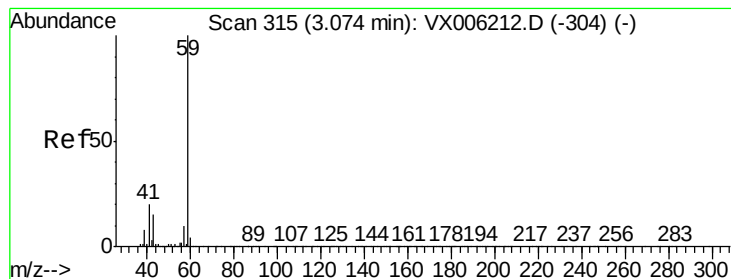


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



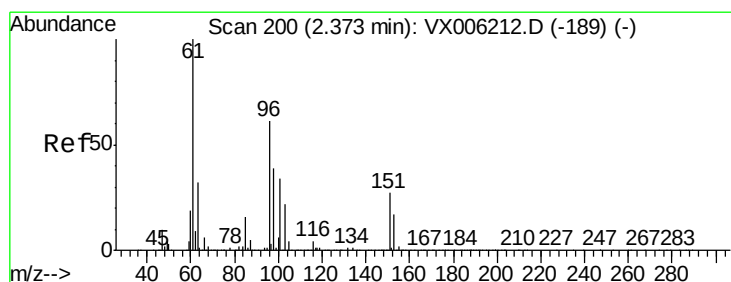
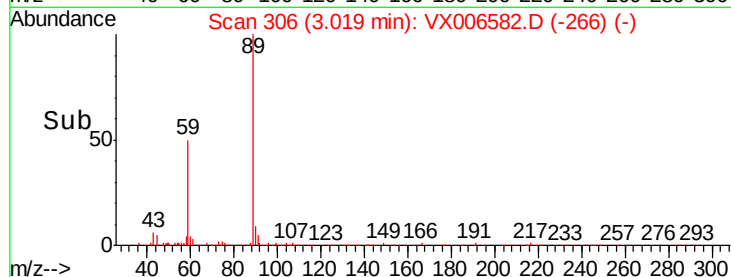
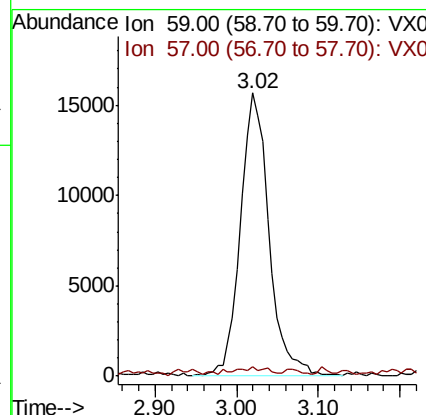
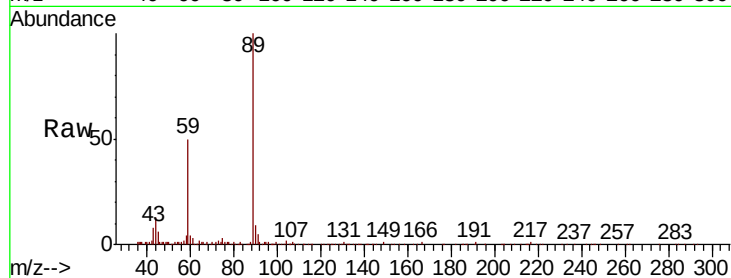


#11

Tert butyl alcohol
 Concen: 21.145 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :

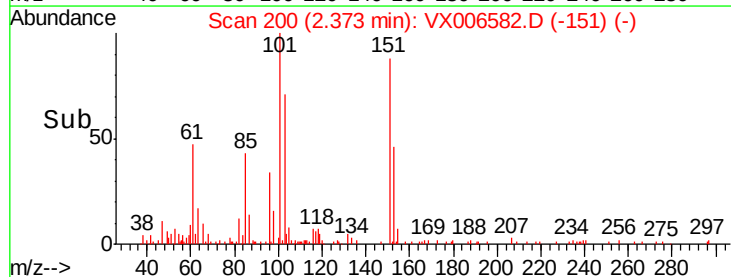
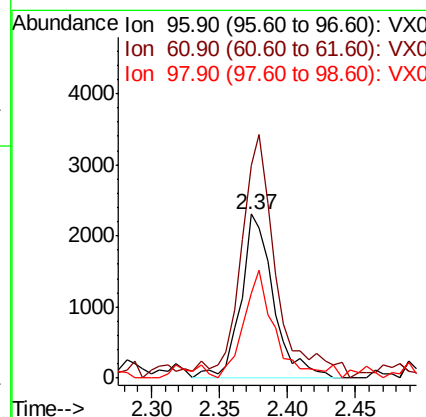
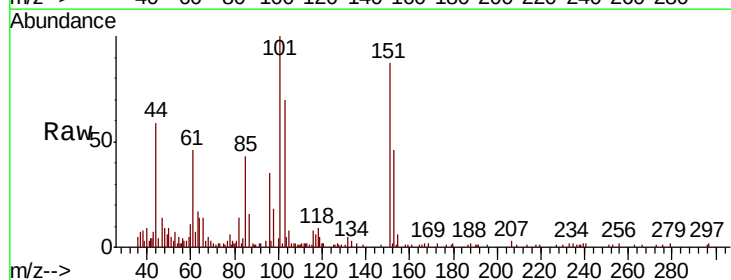
Tot Ion: 59 Resp: 38085
 Ion Ratio Lower Upper
 59 100
 57 2.4 8.2 12.2#

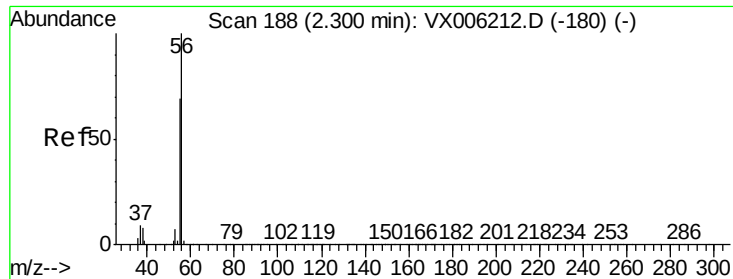


#12

1,1-Dichloroethene
 Concen: 0.660 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

Tgt Ion: 96 Resp: 3853
 Ion Ratio Lower Upper
 96 100
 61 125.4 131.7 197.5#
 98 52.1 51.8 77.6





#13

Acrolein

Concen: 0.217 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

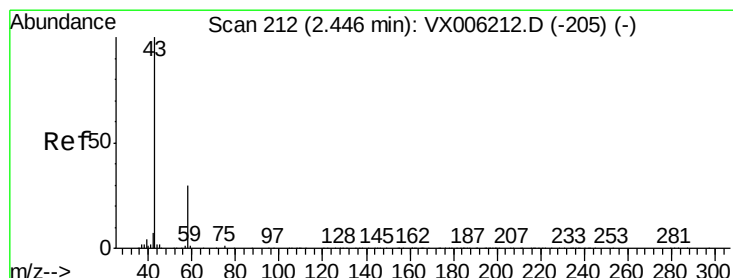
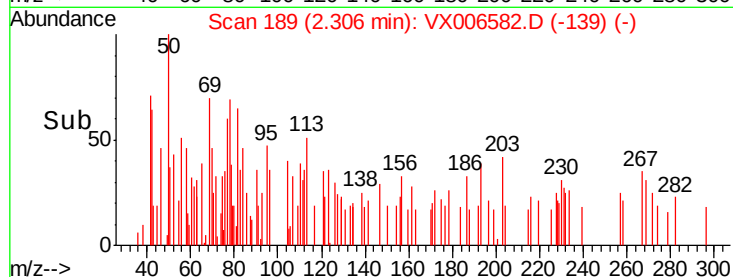
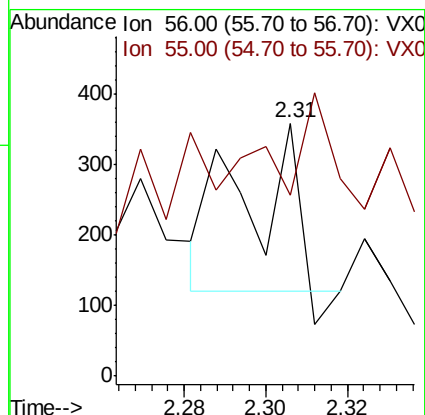
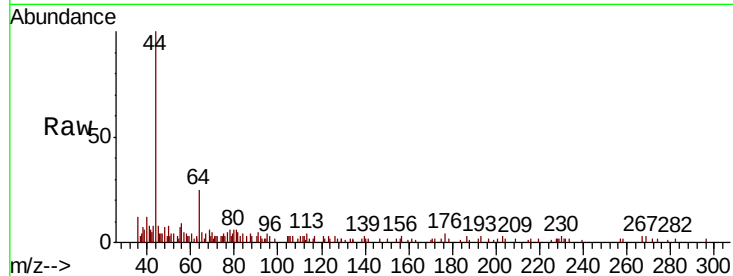
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 1.655 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006582.D

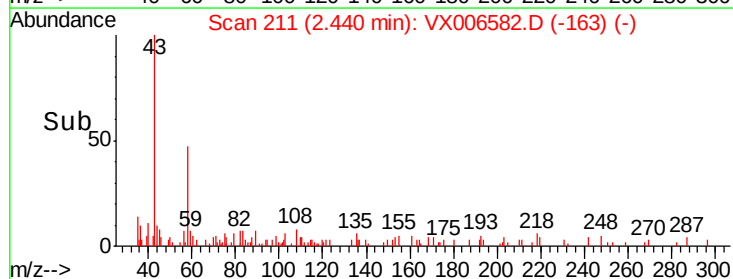
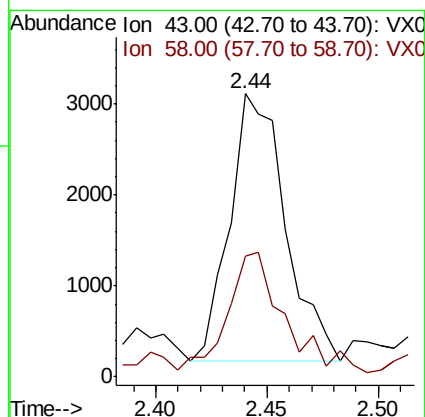
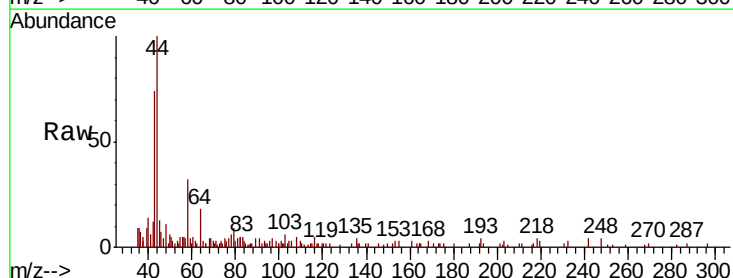
Acq: 17 Dec 2018 19:26

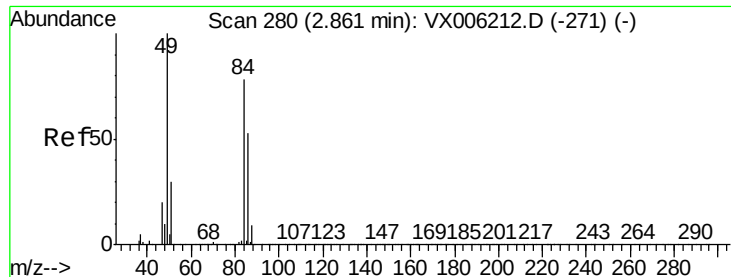
Tgt Ion: 43 Resp: 5115

Ion Ratio Lower Upper

43 100

58 38.2 24.0 36.0#

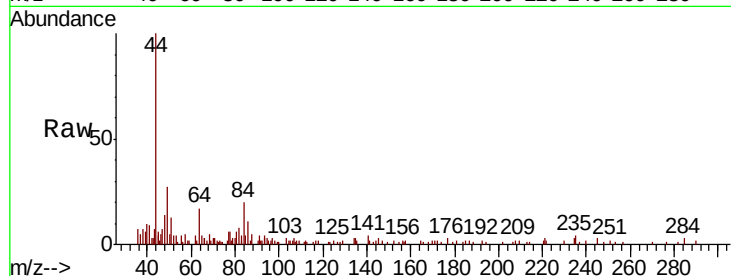




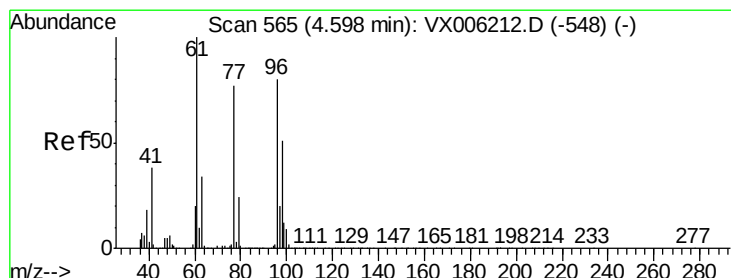
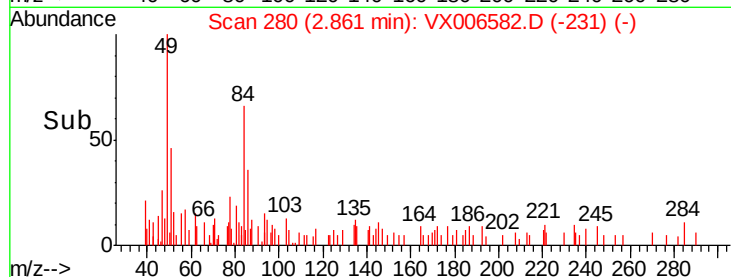
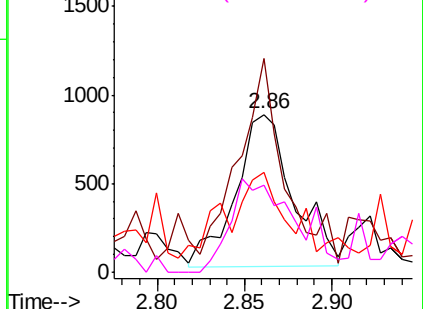
#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	1981
Ion	Ratio	Lower	Upper
84	100		
49	137.6	102.2	153.4
51	44.0	31.1	46.7
86	58.9	53.7	80.5

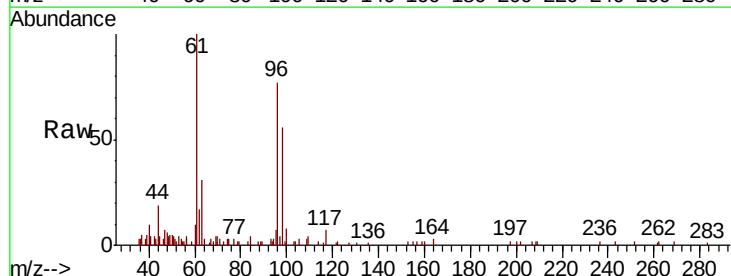


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

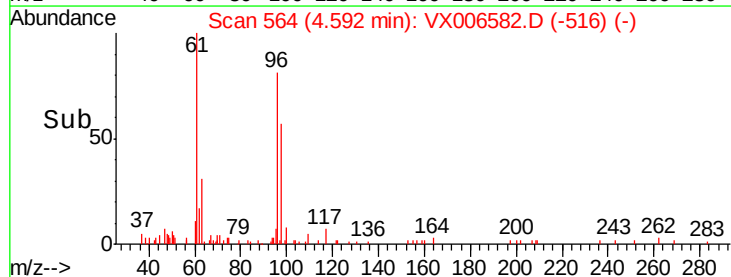
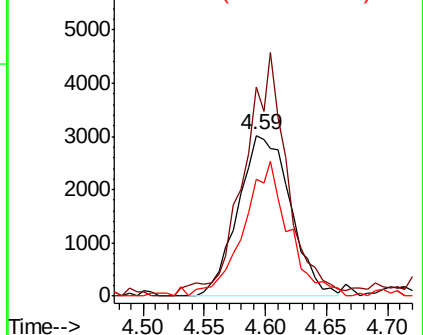


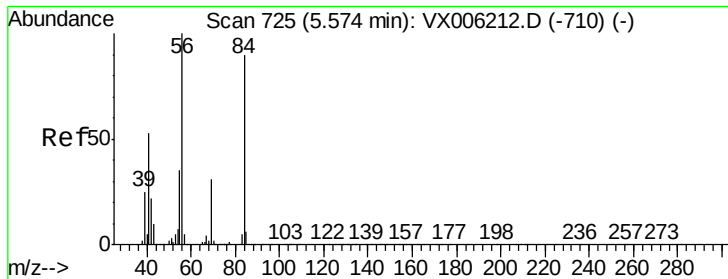
#27
cis-1,2-Dichloroethene
Concen: 1.298 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Tgt Ion:	96	Resp:	9010
Ion	Ratio	Lower	Upper
96	100		
61	124.8	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

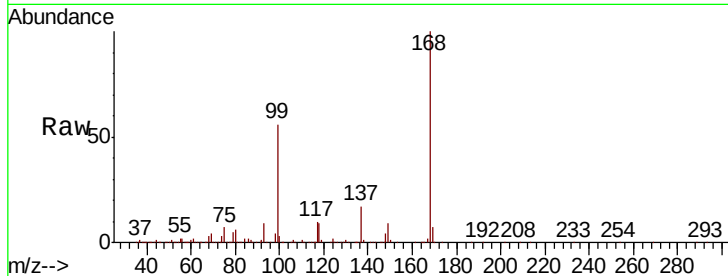




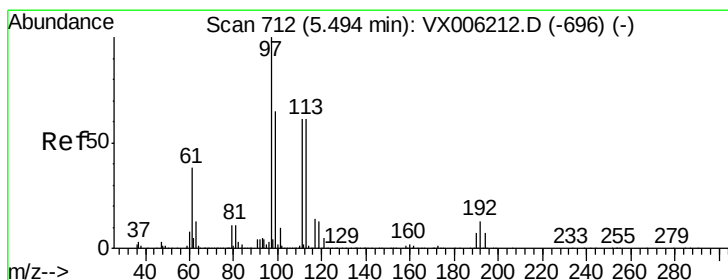
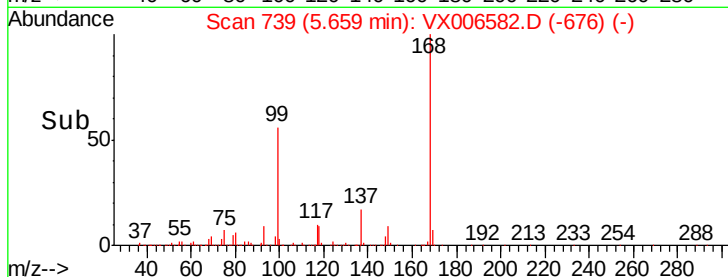
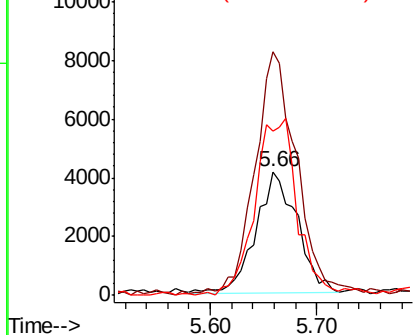
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 11172
Ion Ratio Lower Upper
56 100
69 200.5 24.5 36.7#
84 134.5 71.8 107.6#

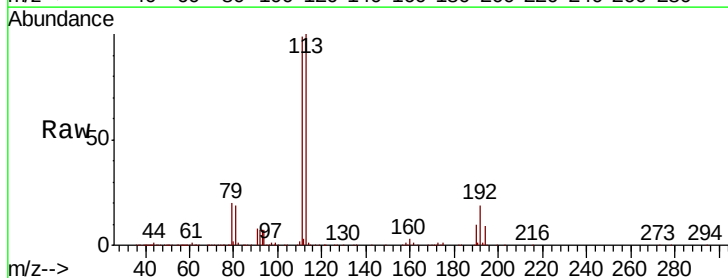


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

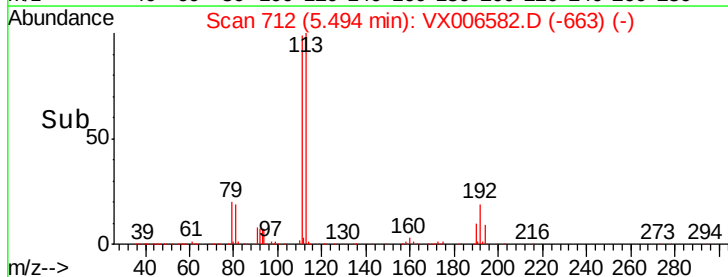
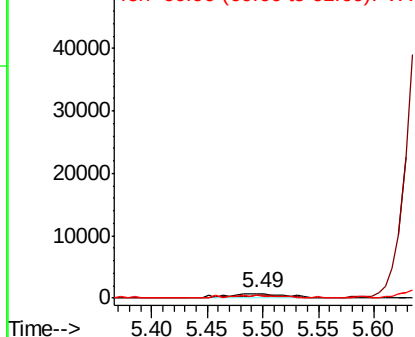


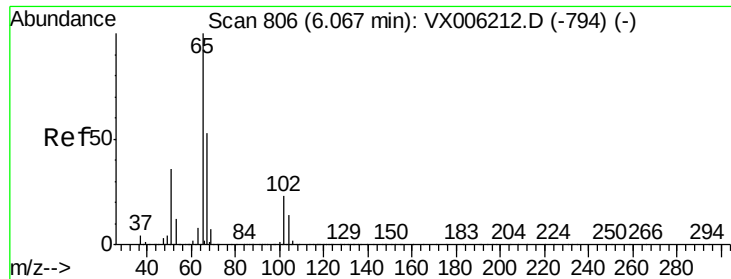
#32
1,1,1-Trichloroethane
Concen: 0.249 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Tgt Ion: 97 Resp: 2561
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 40.5 30.6 46.0



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

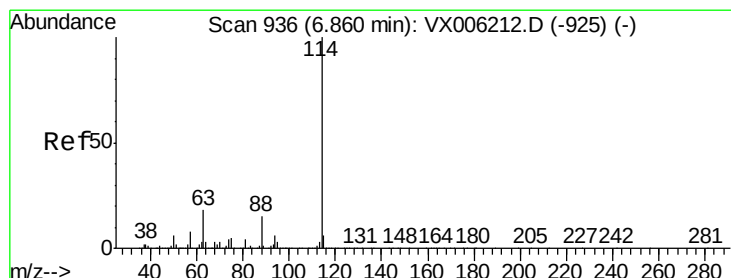
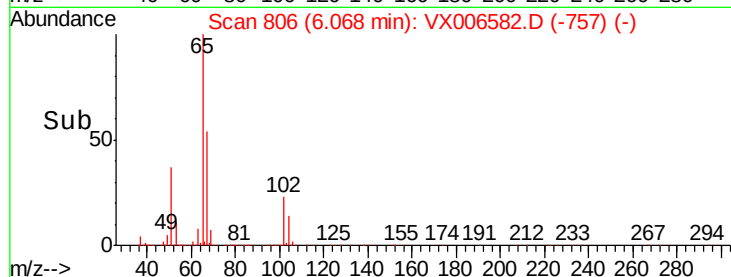
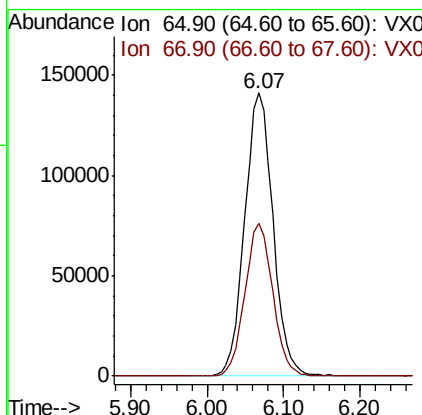
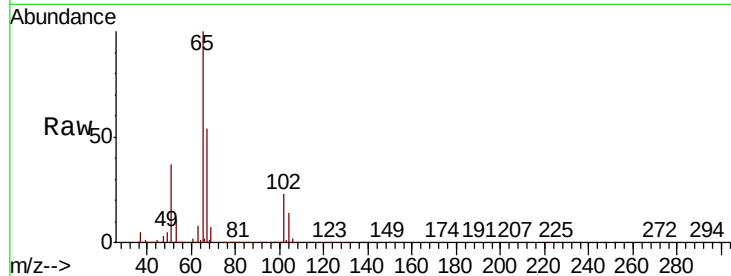




#33
 1,2-Dichloroethane-d4
 Concen: 55.130 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

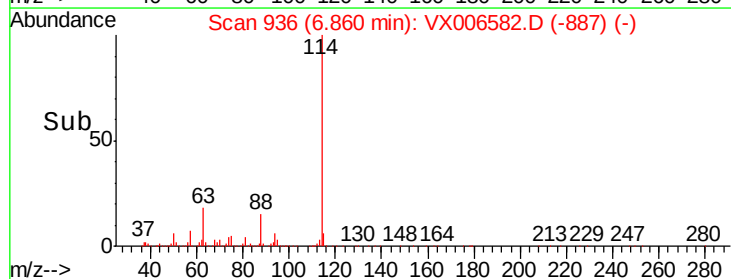
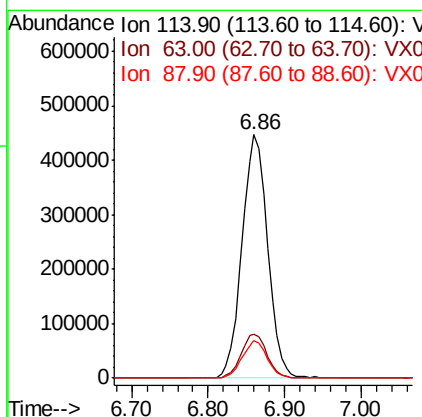
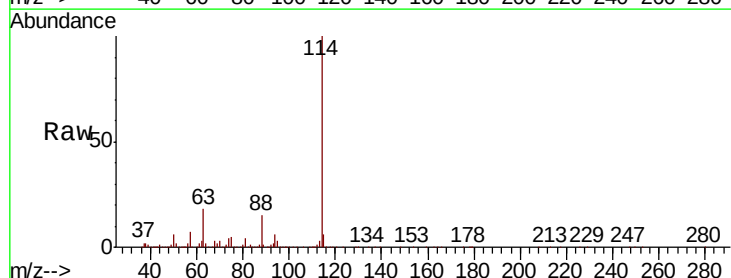
Instrument :
 MSVOA_X
 ClientSampleId :

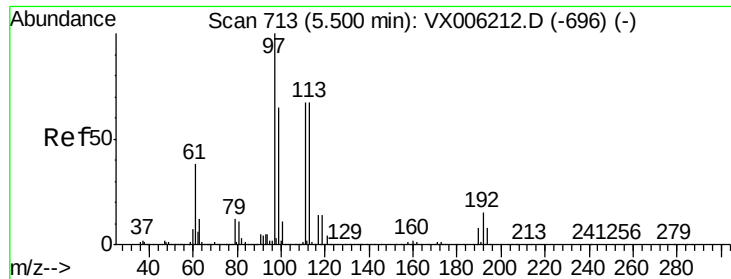
Tot Ion: 65 Resp: 363082
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

Tgt Ion: 114 Resp: 1040424
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.6
 88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.308 ug/l

RT: 5.50 min Scan# 713

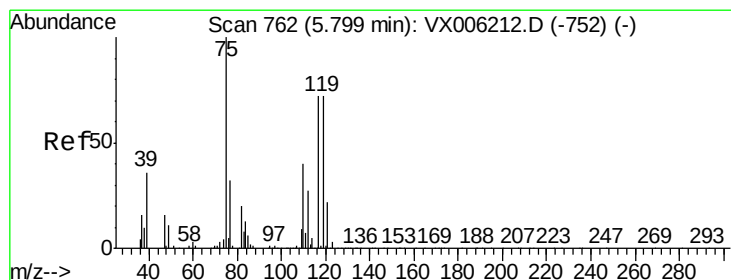
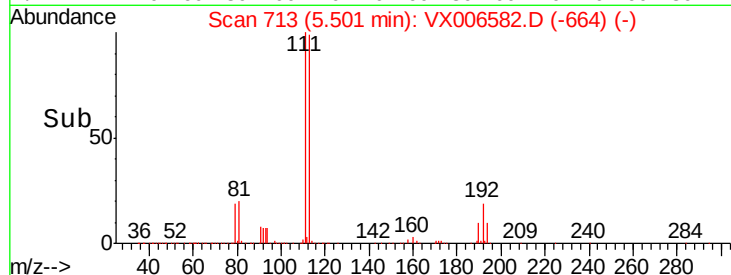
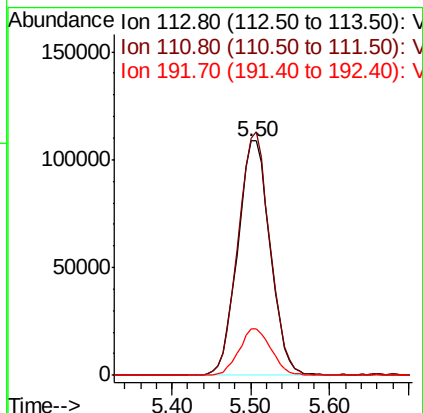
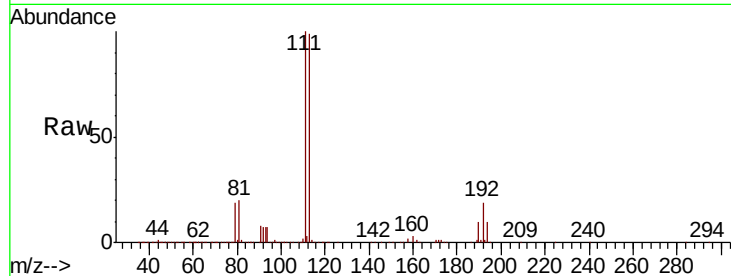
Delta R.T. 0.00 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	311947
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	19.8	18.2	27.2



#36

1,1-Dichloropropene

Concen: 5.011 ug/l

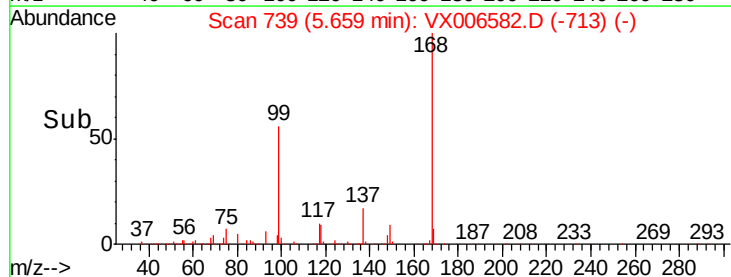
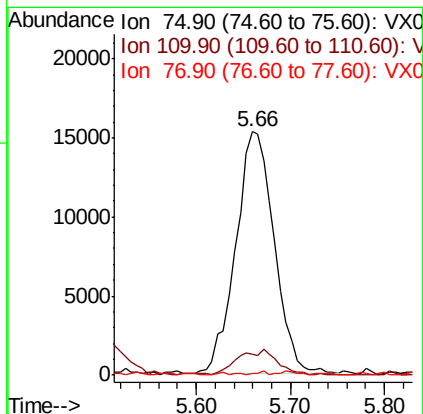
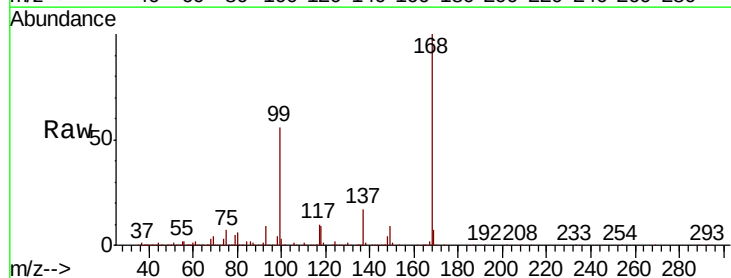
RT: 5.66 min Scan# 739

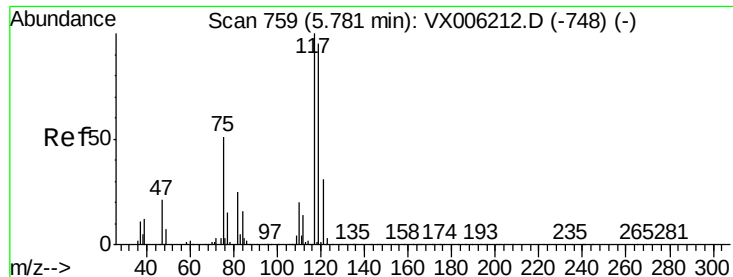
Delta R.T. -0.14 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Tgt Ion:	75	Resp:	43903
Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.4	61.3#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.234 ug/l

RT: 5.67 min Scan# 740

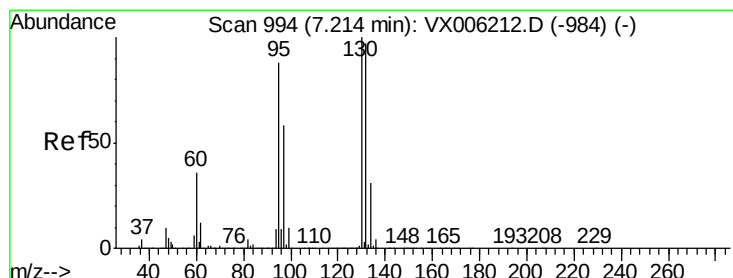
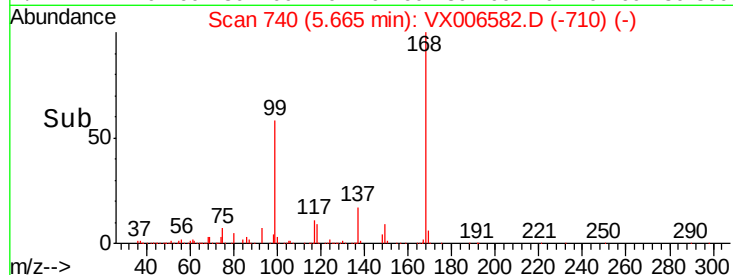
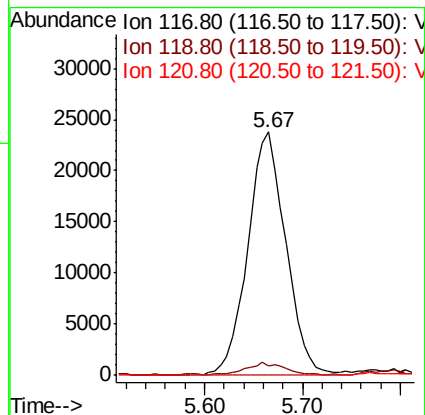
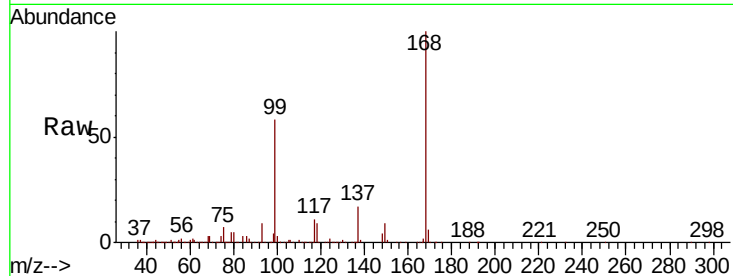
Delta R.T. -0.12 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 64255
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.6 24.6 37.0#



#44

Trichloroethene

Concen: 95.607 ug/l

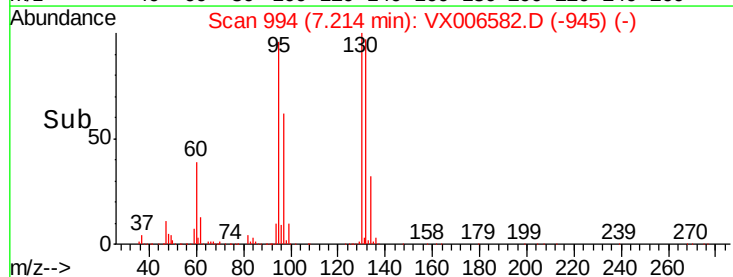
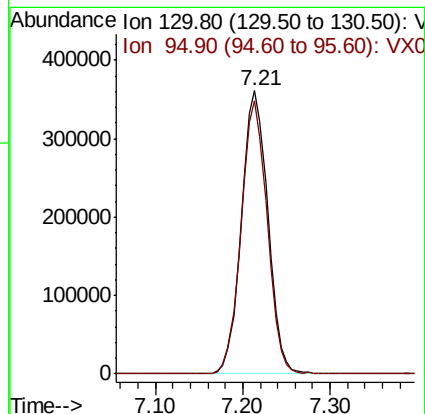
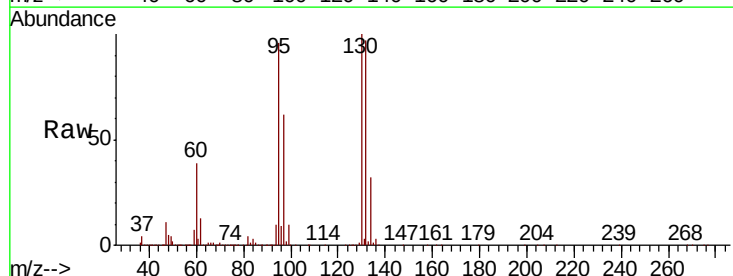
RT: 7.21 min Scan# 994

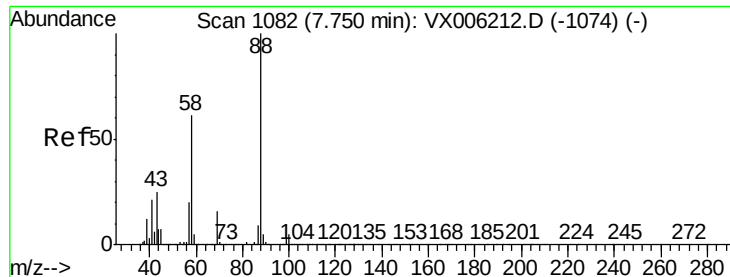
Delta R.T. 0.00 min

Lab File: VX006582.D

Acq: 17 Dec 2018 19:26

Tgt Ion:130 Resp: 760040
Ion Ratio Lower Upper
130 100
95 96.4 0.0 175.8

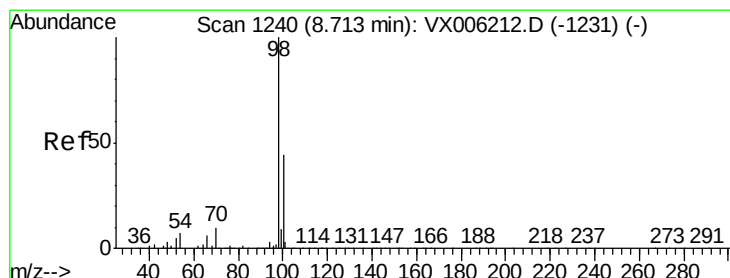
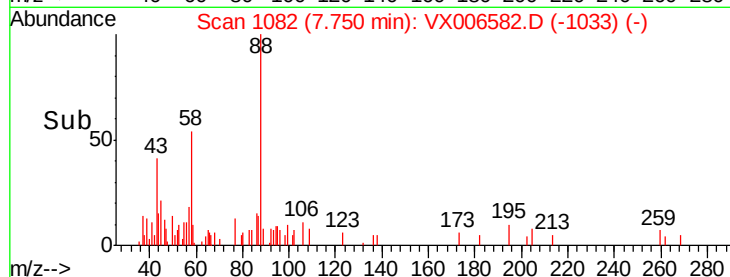
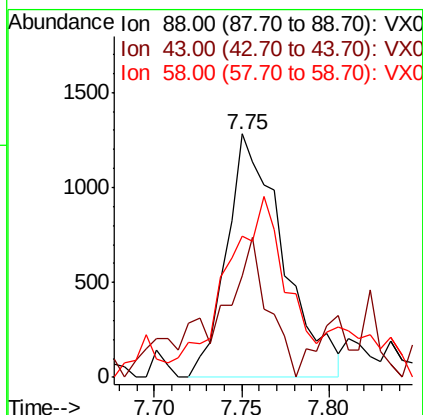
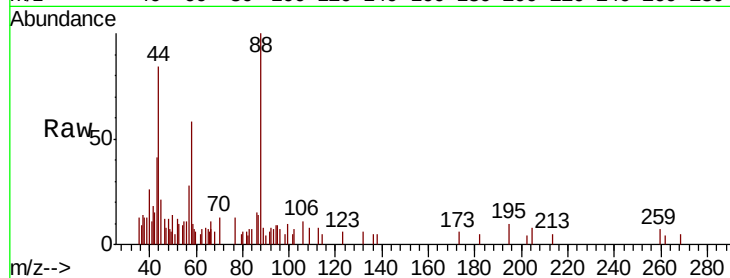




#49
1,4-Dioxane
Concen: 14.688 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

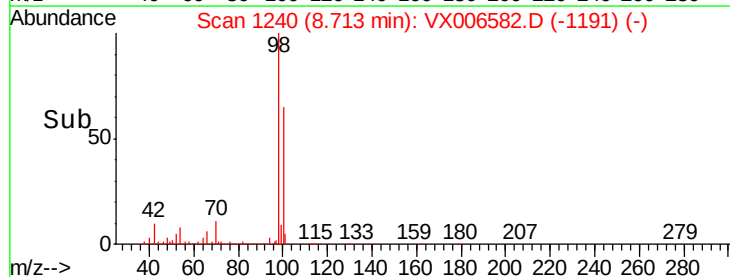
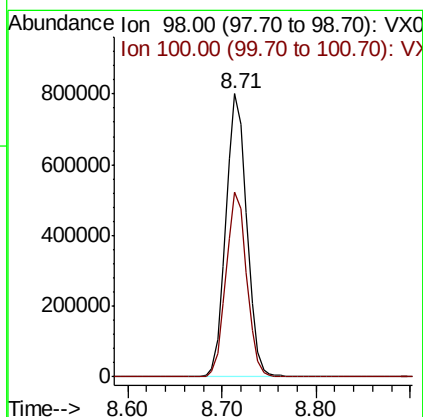
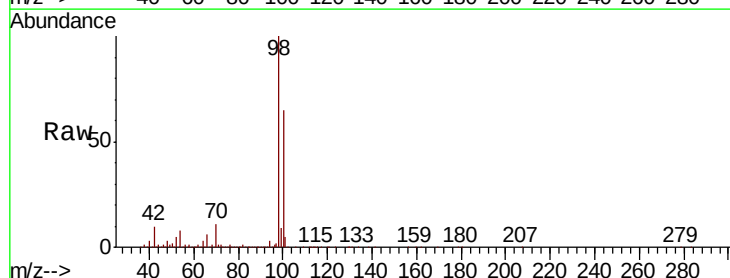
Instrument :
MSVOA_X
ClientSampleId :

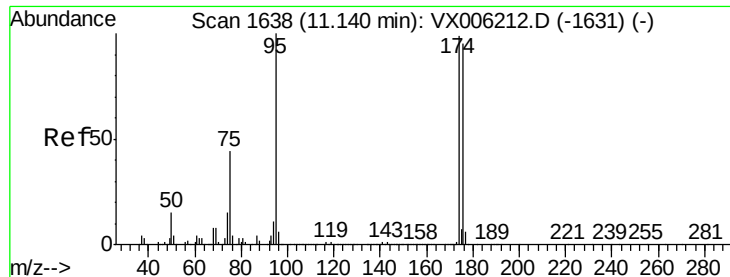
Tot Ion: 88 Resp: 2881
Ion Ratio Lower Upper
88 100
43 57.2 23.2 34.8#
58 71.7 51.4 77.0



#50
Toluene-d8
Concen: 50.396 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Tgt Ion: 98 Resp: 1234838
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

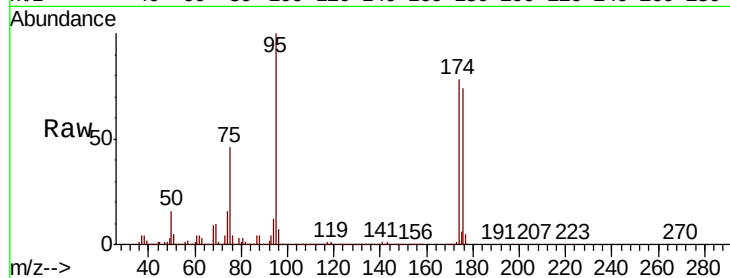




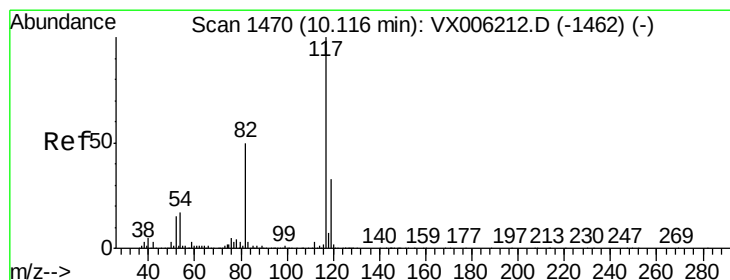
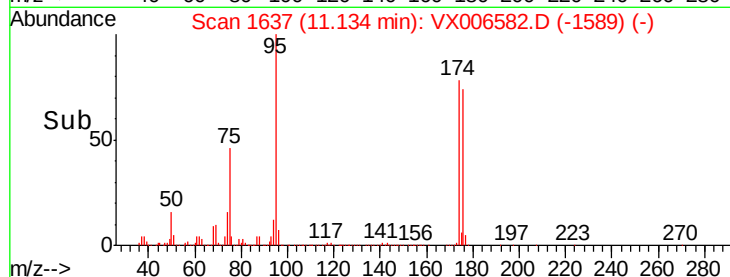
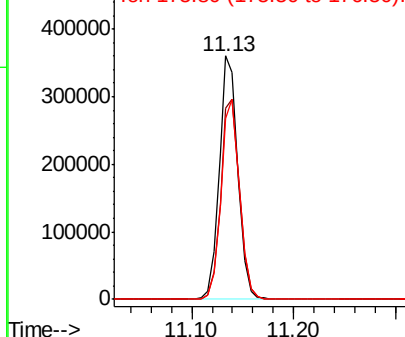
#62
4-Bromofluorobenzene
Concen: 49.629 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 458244
Ion Ratio Lower Upper
95 100
174 83.5 0.0 187.0
176 81.6 0.0 181.8

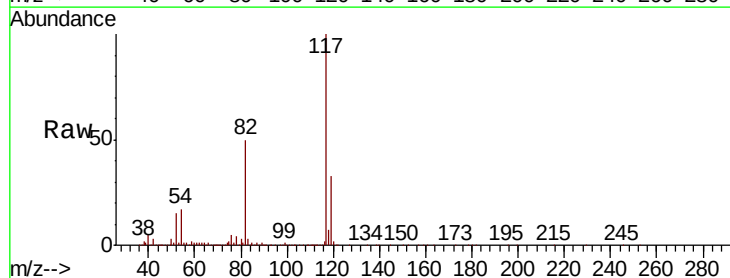


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

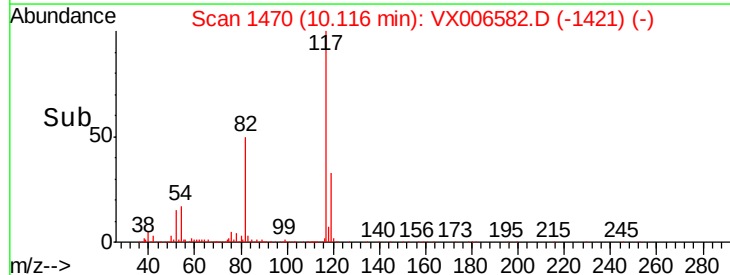
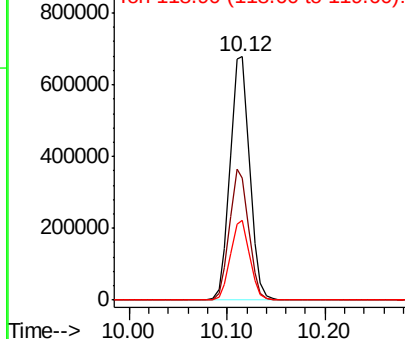


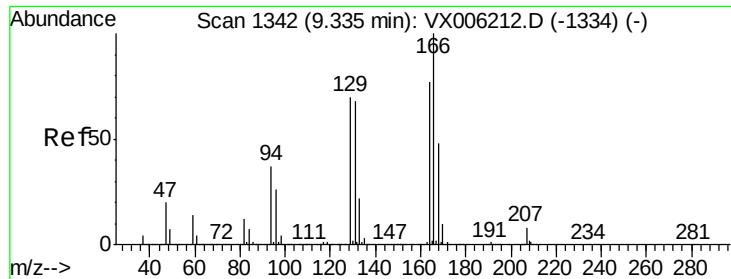
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Tgt Ion: 117 Resp: 946463
Ion Ratio Lower Upper
117 100
82 50.4 39.6 59.4
119 32.7 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

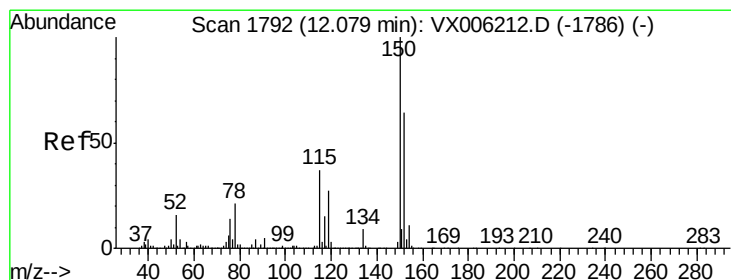
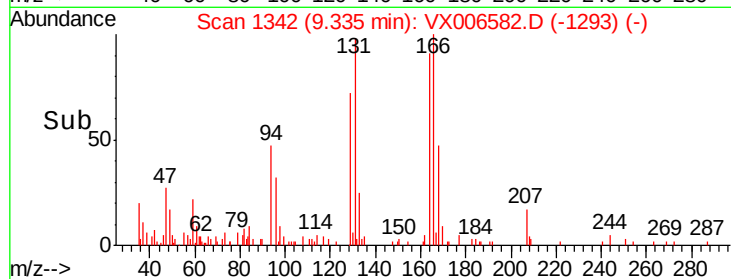
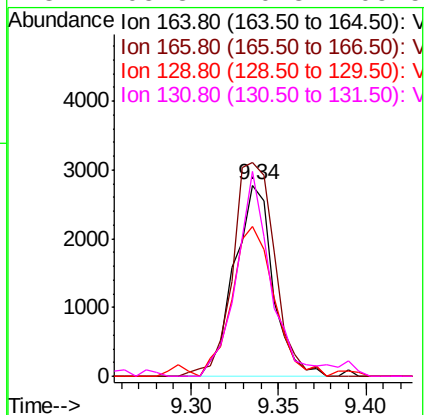
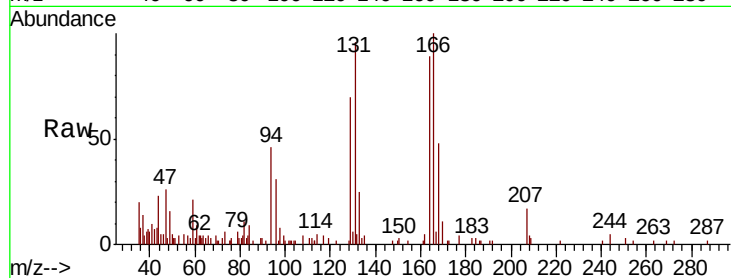




#64
Tetrachloroethene
Concen: 0.599 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

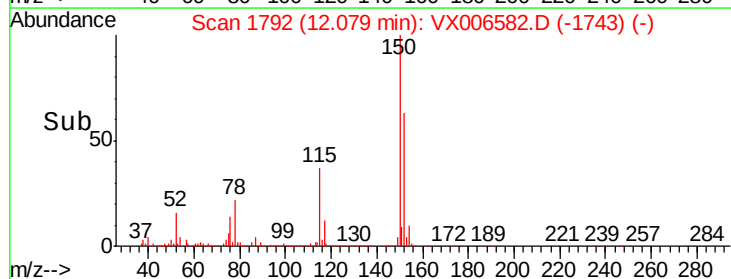
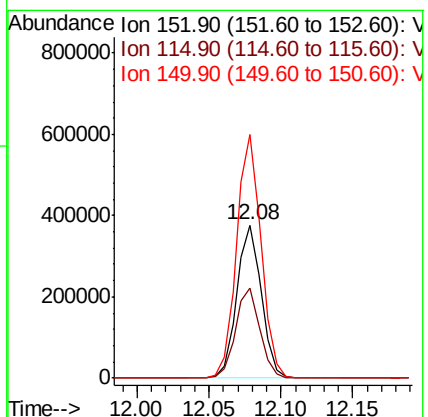
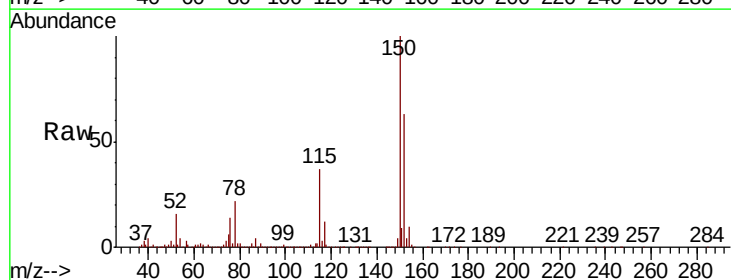
Instrument :
MSVOA_X
ClientSampleId :

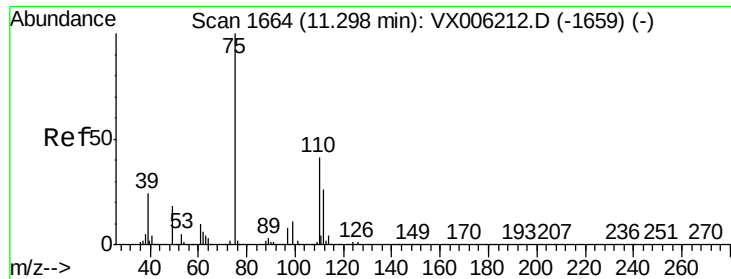
Tot Ion	Ratio	Lower	Upper
164	100		
166	111.9	104.2	156.2
129	75.8	72.6	108.8
131	105.3	70.3	105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006582.D
Acq: 17 Dec 2018 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.0	116.9
150	159.4	0.0	345.8

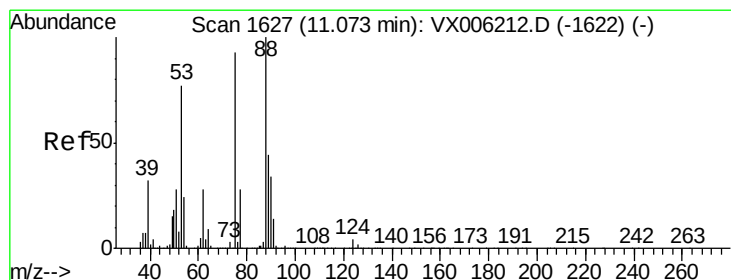
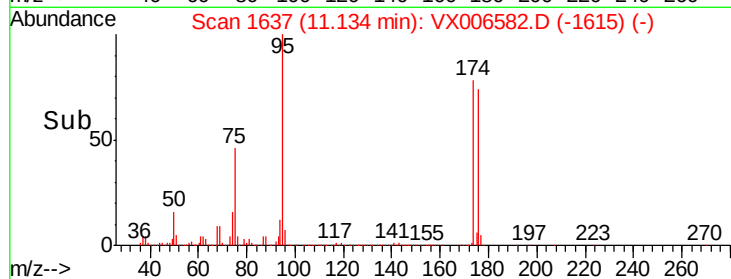
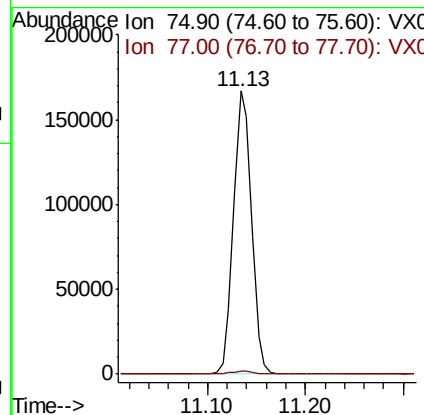
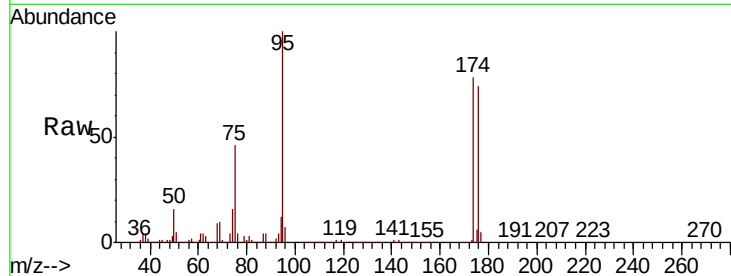




#76
 1,2,3-Trichloropropane
 Concen: 24.764 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 214172
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.115 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006582.D
 Acq: 17 Dec 2018 19:26

Tgt Ion: 75 Resp: 214172
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.4 96.6#
 89 0.0 44.2 66.4#

