

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121218\
 Data File : VX006481.D
 Acq On : 13 Dec 2018 08:13
 Operator : JC/MD
 Sample : J6347-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SW001-02

Quant Time: Dec 13 11:43:05 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	646115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	917019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	436145	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	340033	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	5.51	113	303359	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	8.71	98	1196023	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	440624	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

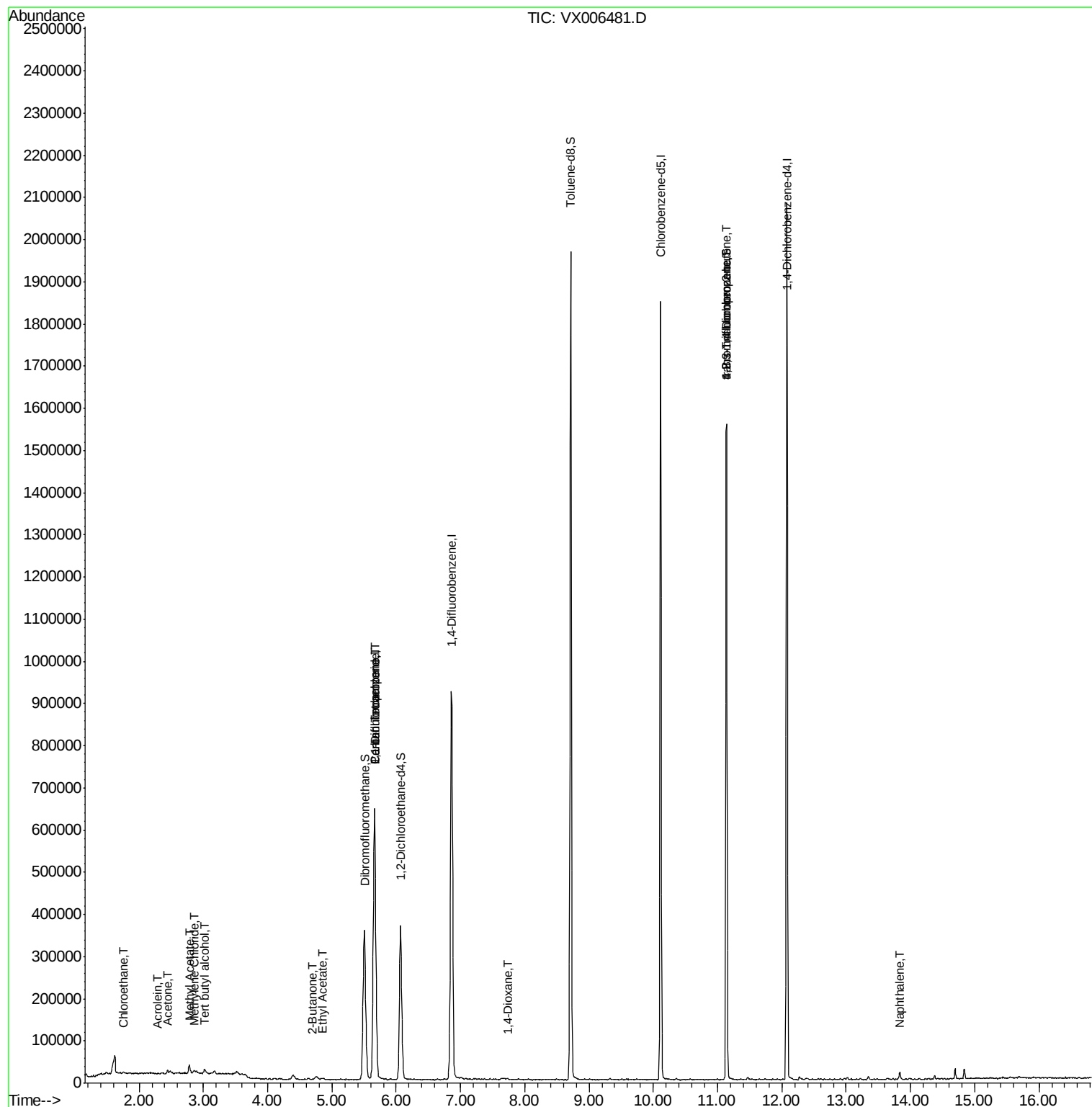
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1168	0.272	ug/l #	42
11) Tert butyl alcohol	3.03	59	7603	4.215	ug/l #	79
13) Acrolein	2.28	56	248	0.252	ug/l #	62
16) Acetone	2.45	43	8483	2.741	ug/l	97
18) Methyl Acetate	2.78	43	27819	2.687	ug/l	99
20) Methylene Chloride	2.85	84	3805	0.578	ug/l #	81
25) 2-Butanone	4.71	43	1074	0.243	ug/l #	79
36) 1,1-Dichloropropene	5.66	75	43424	5.126	ug/l #	49
37) Ethyl Acetate	4.86	43	4036	0.425	ug/l #	84
38) Carbon Tetrachloride	5.67	117	60128	6.033	ug/l #	16
49) 1,4-Dioxane	7.74	88	202	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	201061	23.884	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	201061	56.049	ug/l #	15
95) Naphthalene	13.83	128	11551	0.345	ug/l #	94

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

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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: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

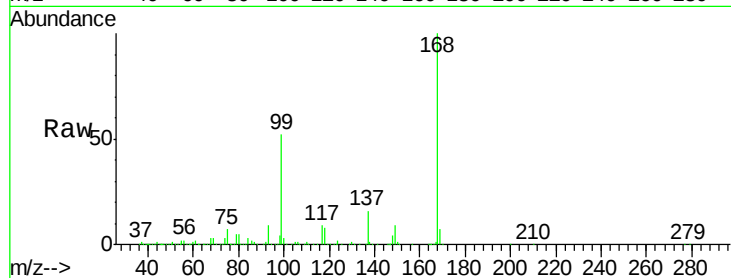
P001-SW001-02

Tgt Ion:168 Resp: 646115

Ion Ratio Lower Upper

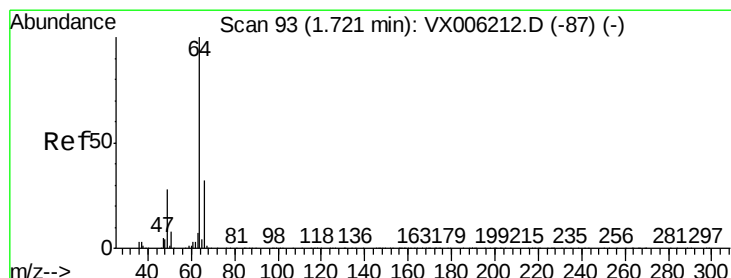
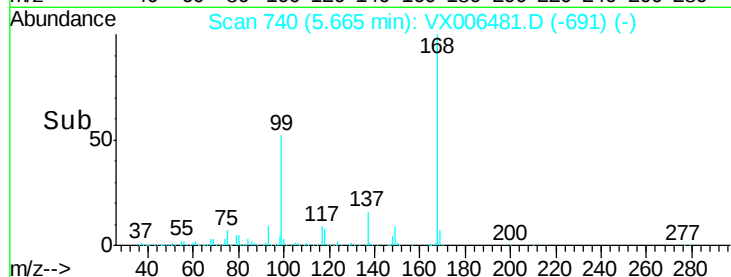
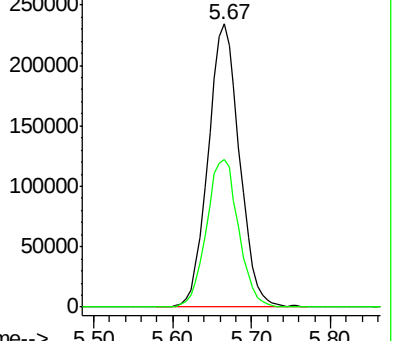
168 100

99 52.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX006481.D

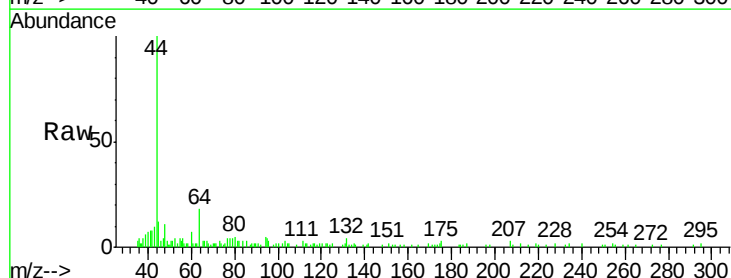
Acq: 13 Dec 2018 08:13

Tgt Ion: 64 Resp: 1168

Ion Ratio Lower Upper

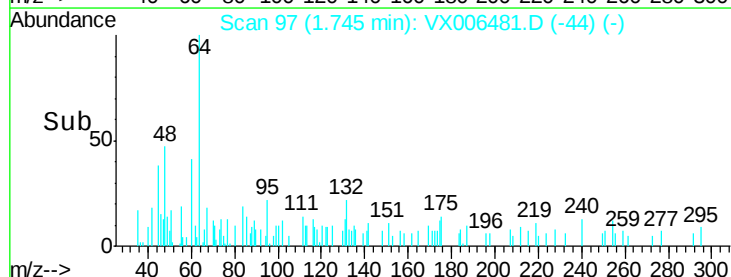
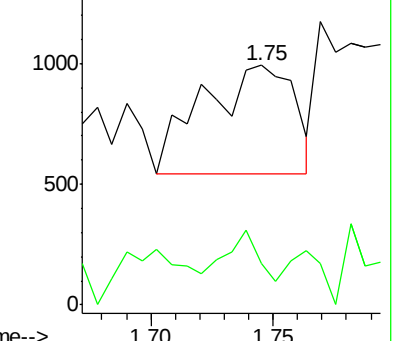
64 100

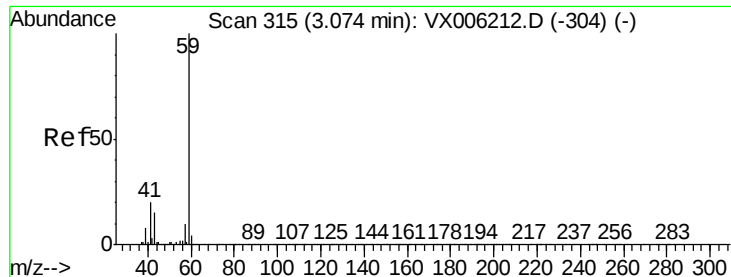
66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

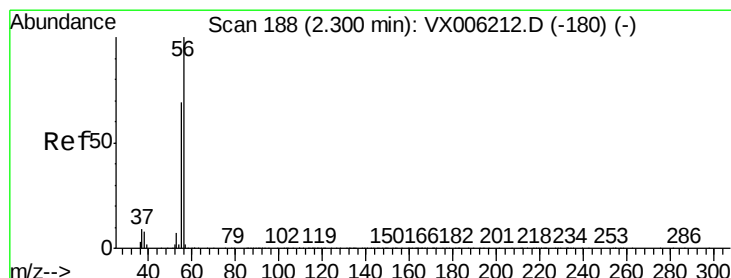
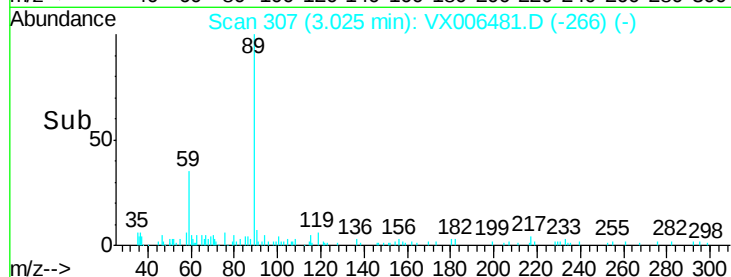
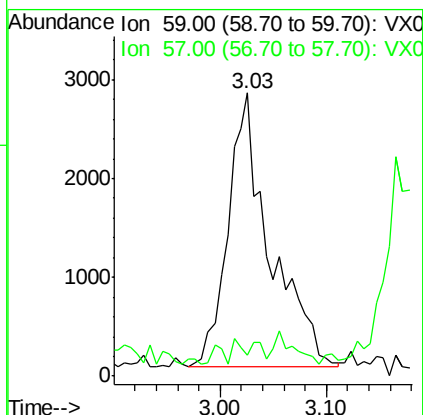
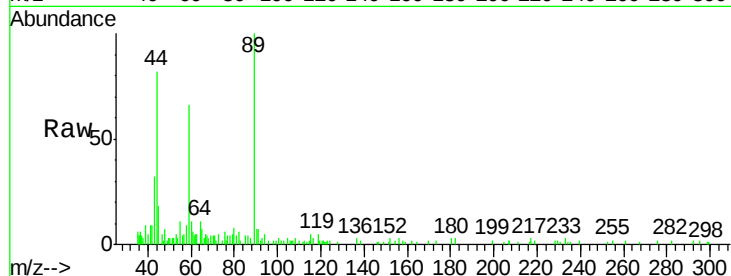




#11
Tert butyl alcohol
Concen: 4.215 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

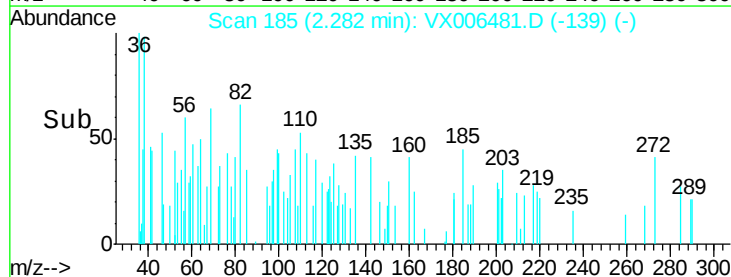
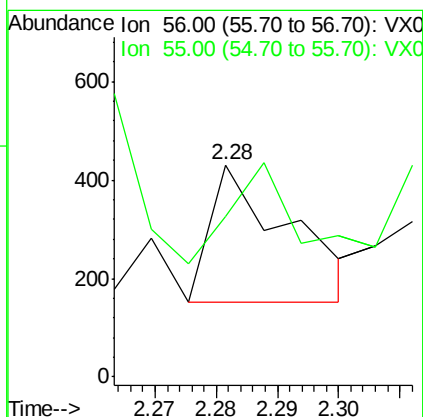
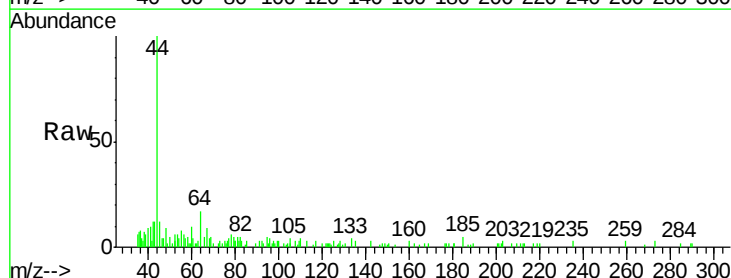
Instrument :
MSVOA_X
ClientSampleId :
P001-SW001-02

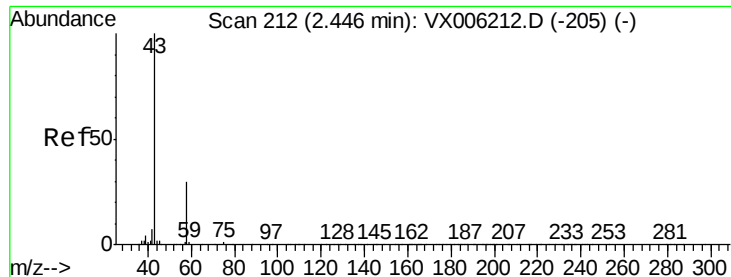
Tgt Ion: 59 Resp: 7603
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#



#13
Acrolein
Concen: 0.252 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 103.6 57.8 86.6#





#16

Acetone

Concen: 2.741 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

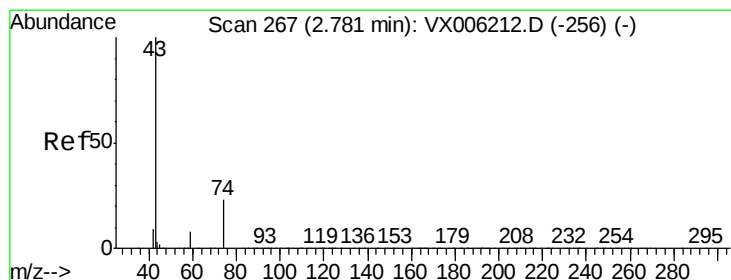
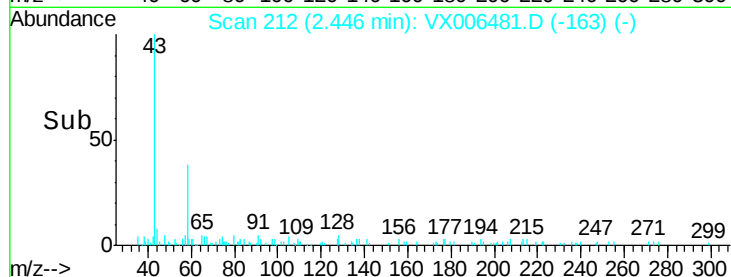
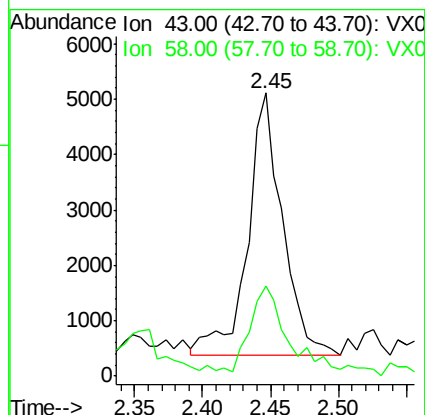
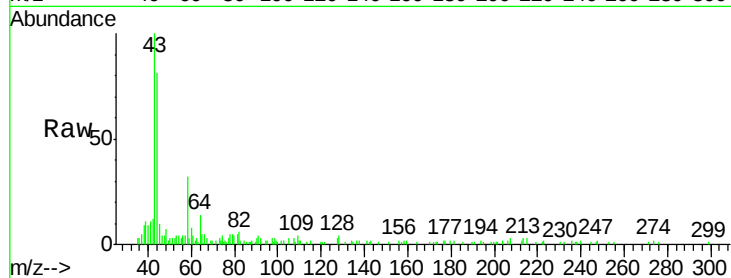
P001-SW001-02

Tgt Ion: 43 Resp: 8483

Ion Ratio Lower Upper

43 100

58 31.7 24.0 36.0



#18

Methyl Acetate

Concen: 2.687 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006481.D

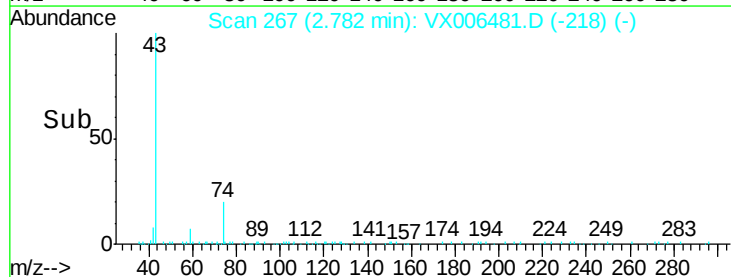
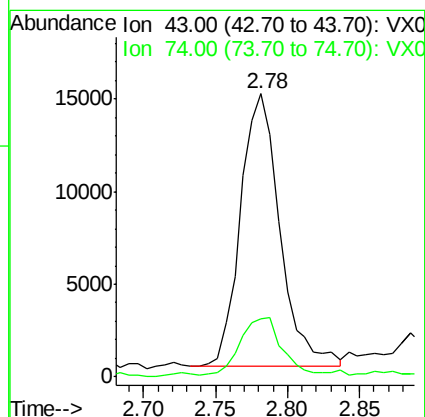
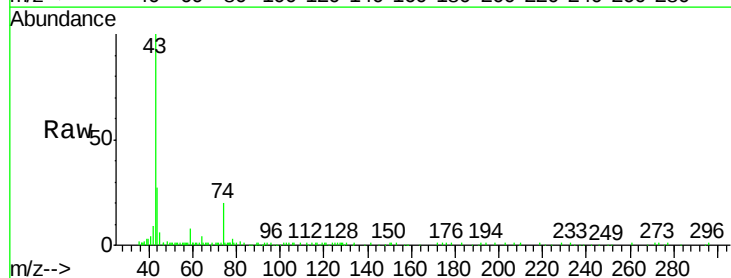
Acq: 13 Dec 2018 08:13

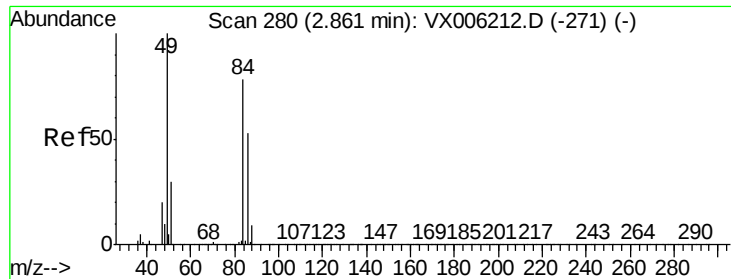
Tgt Ion: 43 Resp: 27819

Ion Ratio Lower Upper

43 100

74 22.1 17.9 26.9

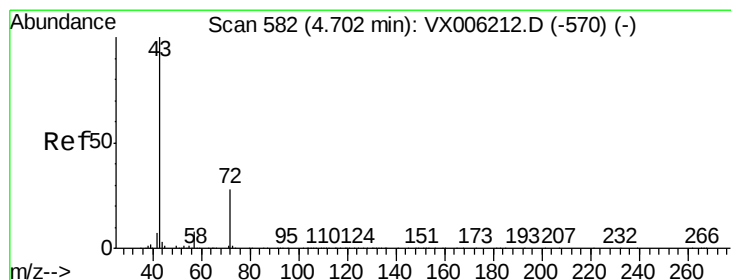
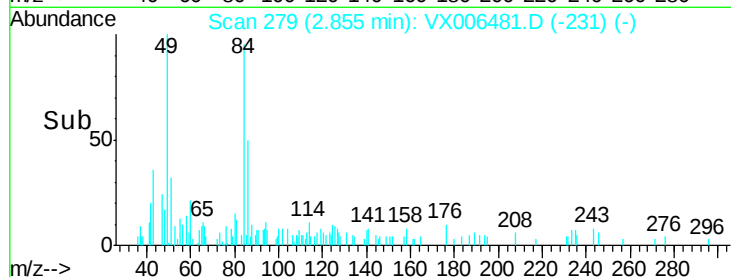
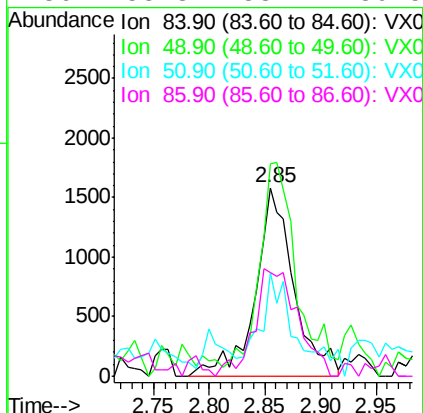
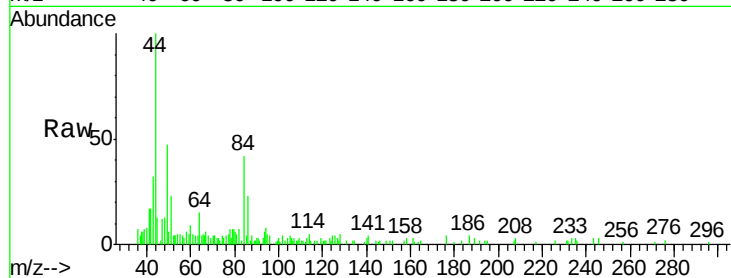




#20
Methylene Chloride
Concen: 0.578 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

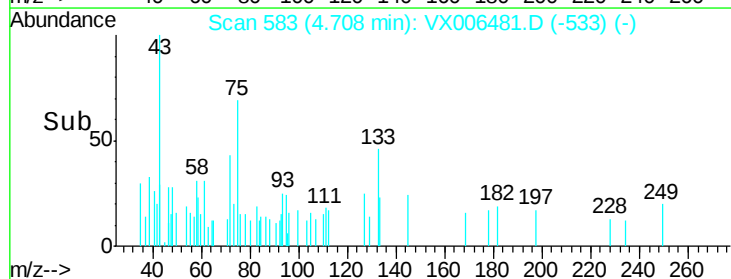
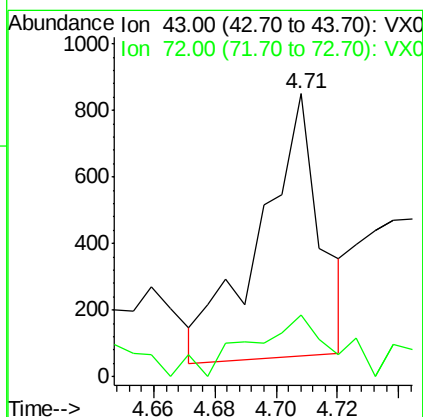
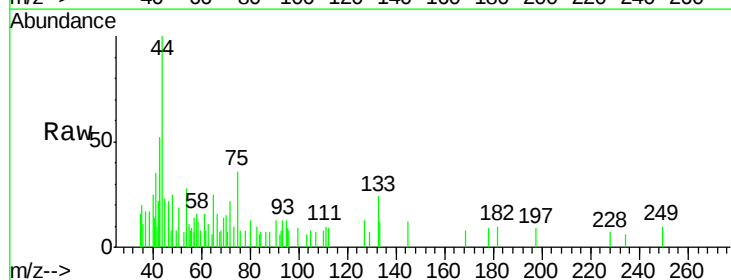
Instrument :
MSVOA_X
ClientSampleId :
P001-SW001-02

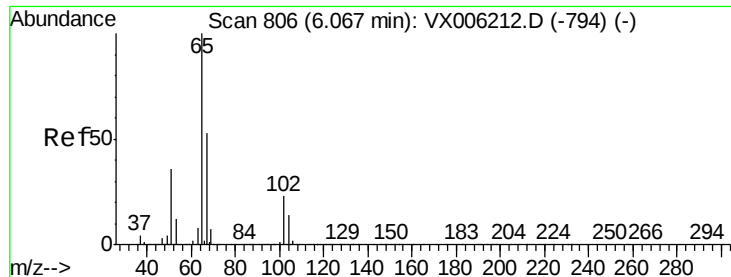
Tgt Ion: 84 Resp: 3805
Ion Ratio Lower Upper
84 100
49 101.3 102.2 153.4#
51 47.4 31.1 46.7#
86 55.3 53.7 80.5



#25
2-Butanone
Concen: 0.243 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
72 17.0 22.6 33.8#





#33

1,2-Dichloroethane-d4

Concen: 51.553 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

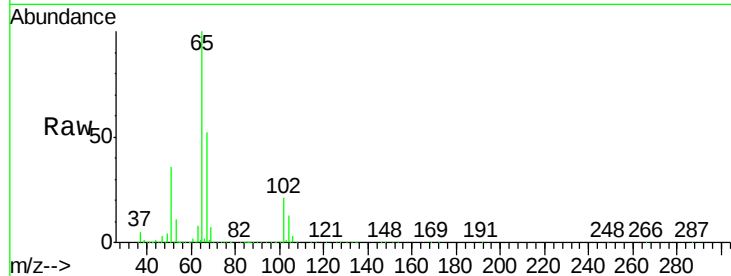
P001-SW001-02

Tgt Ion: 65 Resp: 340033

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

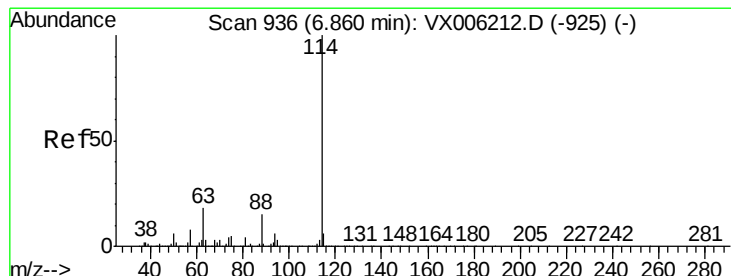
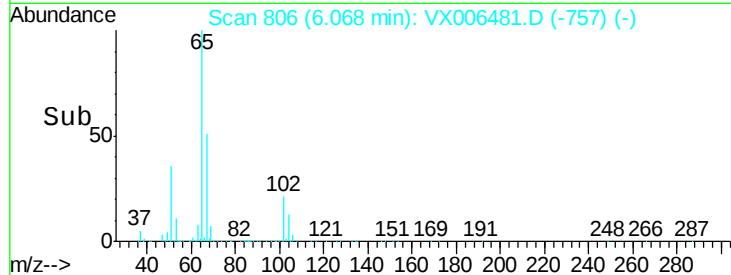
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

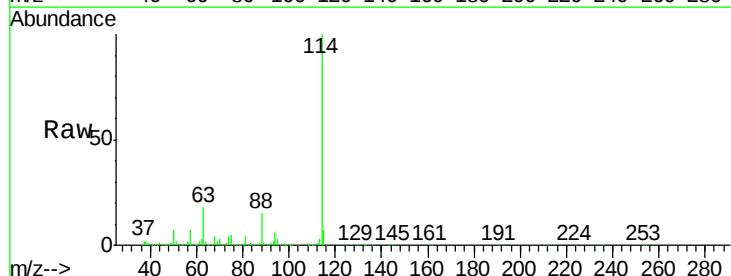
Tgt Ion: 114 Resp: 1005999

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 14.7 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

6.86

500000

400000

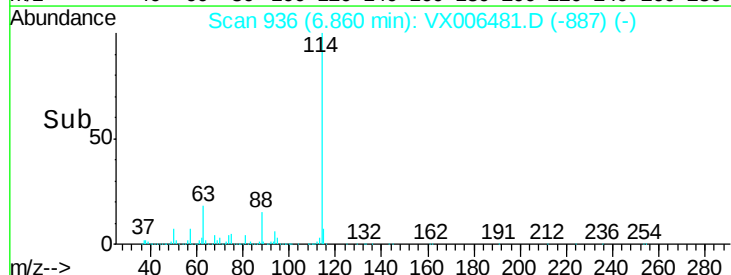
300000

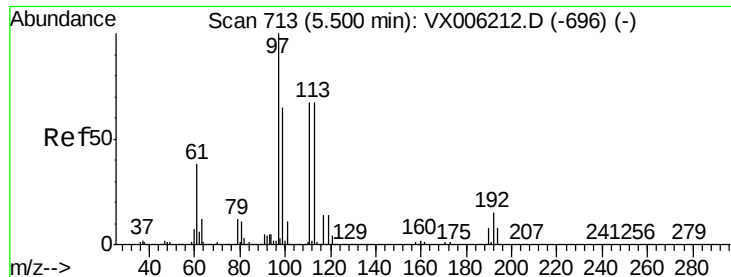
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Time-->

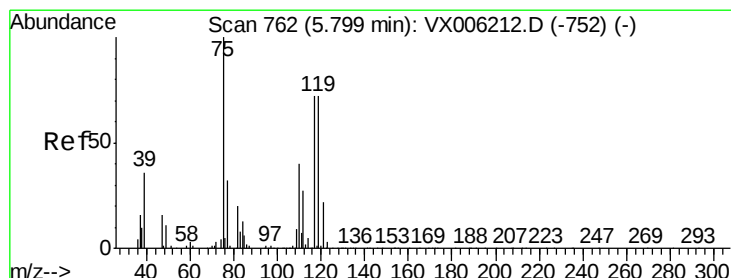
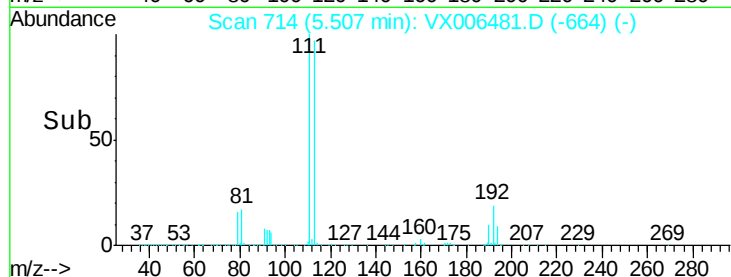
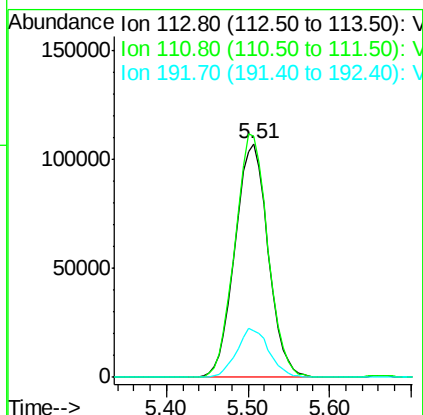
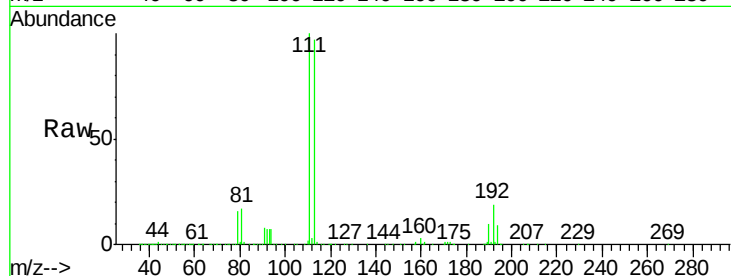




#35
 Dibromofluoromethane
 Concen: 46.574 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006481.D
 Acq: 13 Dec 2018 08:13

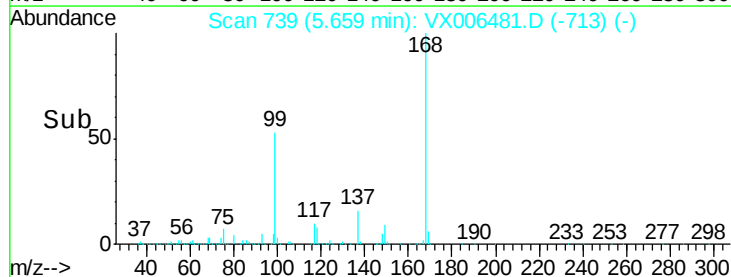
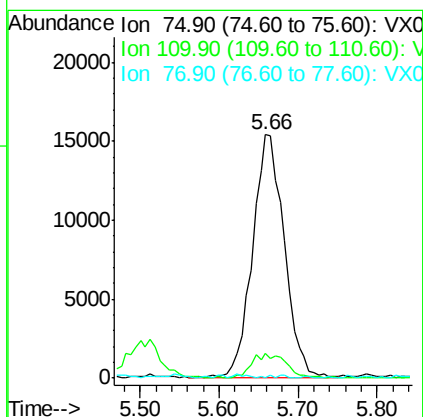
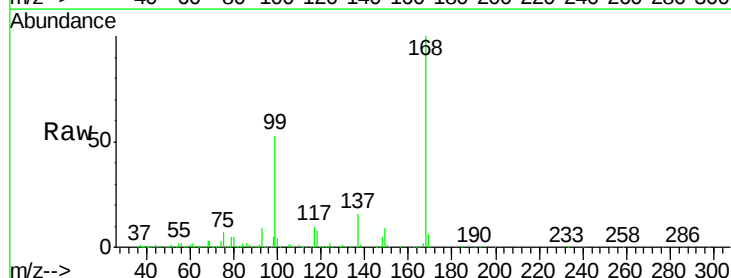
Instrument :
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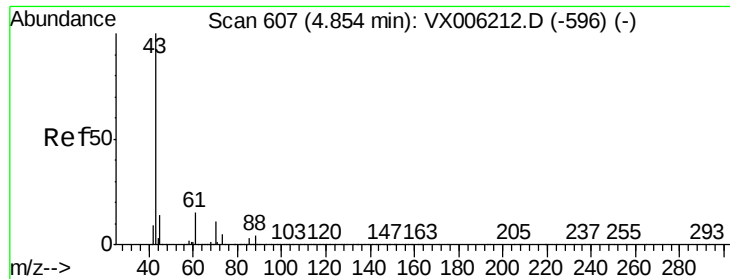
Tgt Ion:113 Resp: 303359
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 20.4 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 5.126 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006481.D
 Acq: 13 Dec 2018 08:13

Tgt Ion: 75 Resp: 43424
 Ion Ratio Lower Upper
 75 100
 110 10.7 20.4 61.3#
 77 0.6 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.425 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

P001-SW001-02

Tgt Ion: 43 Resp: 4036

Ion Ratio Lower Upper

43 100

61 23.9 11.5 17.3#

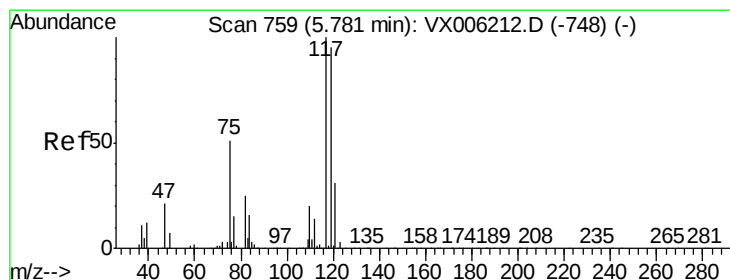
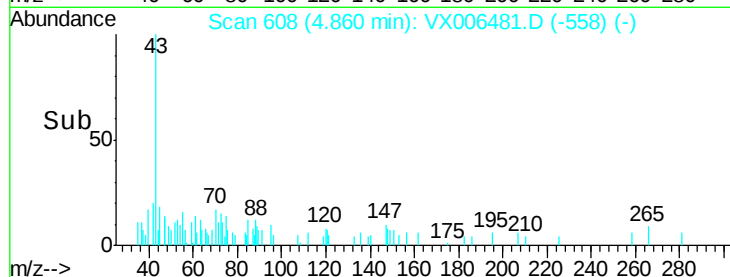
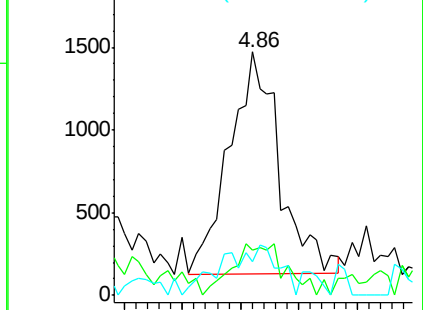
70 14.2 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.033 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

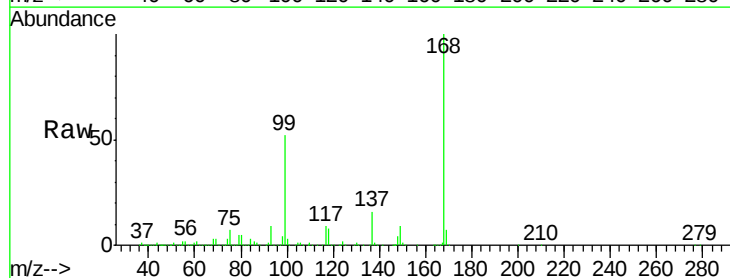
Tgt Ion: 117 Resp: 60128

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

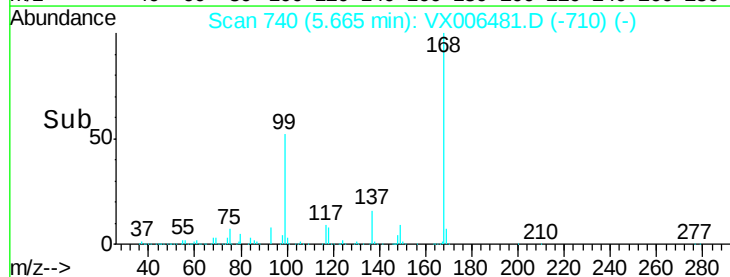
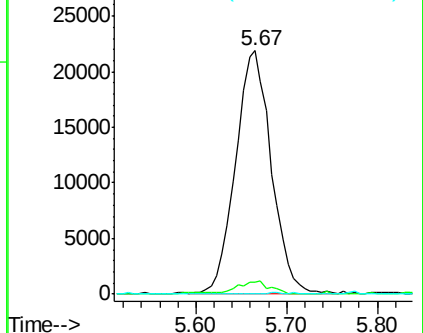
121 0.0 24.6 37.0#

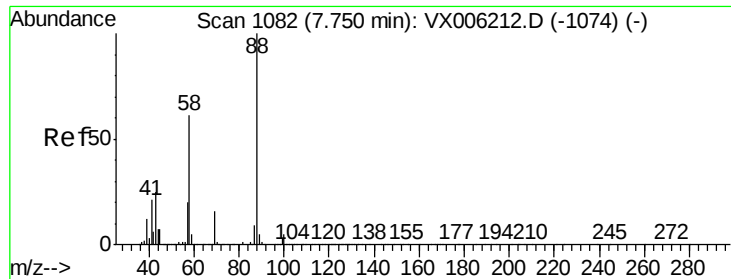


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

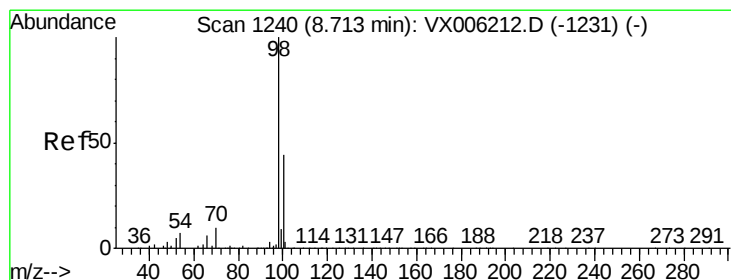
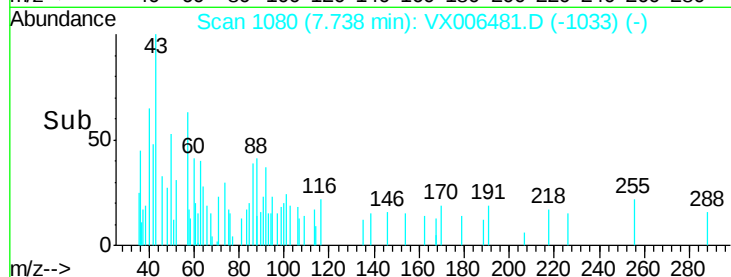
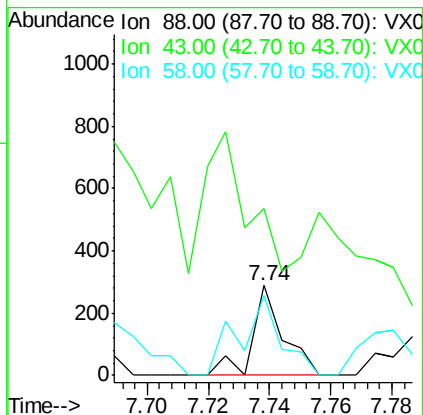
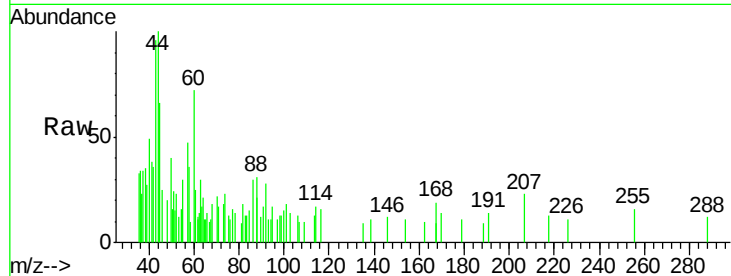




#49
1,4-Dioxane
Concen: 1.065 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

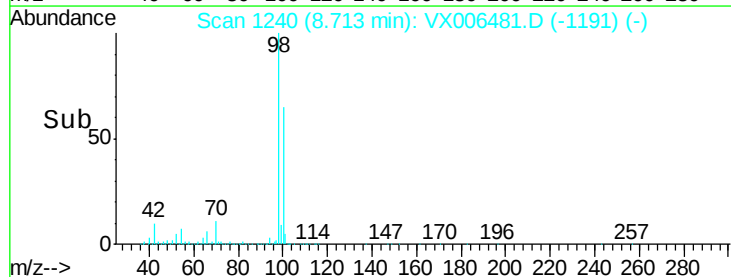
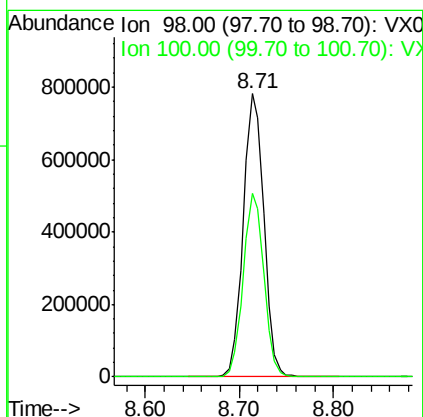
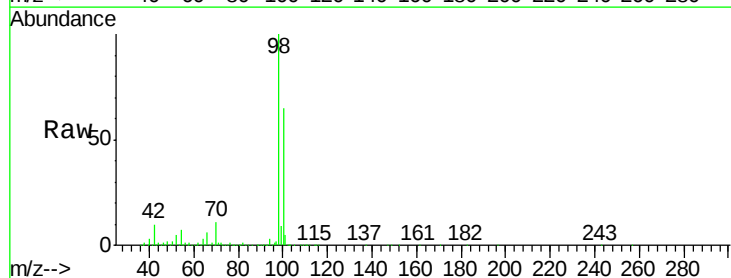
Instrument :
MSVOA_X
ClientSampleId :
P001-SW001-02

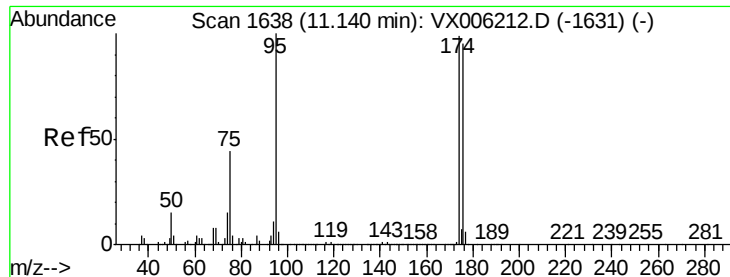
Tgt Ion: 88 Resp: 202
Ion Ratio Lower Upper
88 100
43 216.8 23.2 34.8#
58 121.8 51.4 77.0#



#50
Toluene-d8
Concen: 50.482 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

Tgt Ion: 98 Resp: 1196023
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 49.354 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

P001-SW001-02

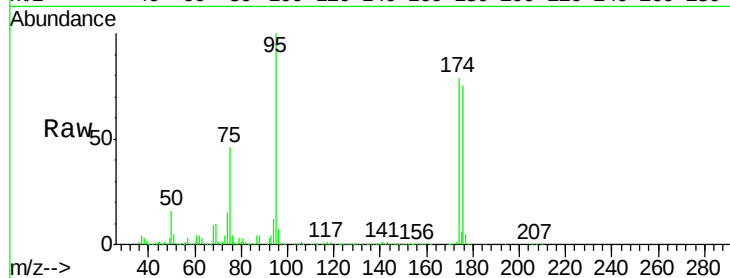
Tgt Ion: 95 Resp: 440624

Ion Ratio Lower Upper

95 100

174 84.6 0.0 187.0

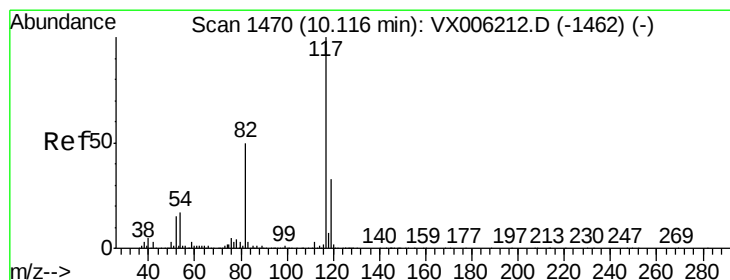
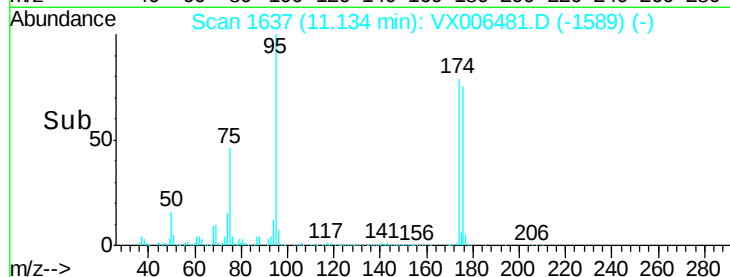
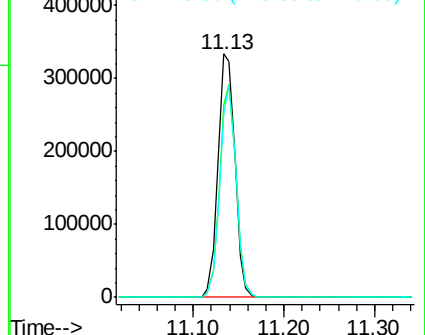
176 82.6 0.0 181.8



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: VX006481.D

Acq: 13 Dec 2018 08:13

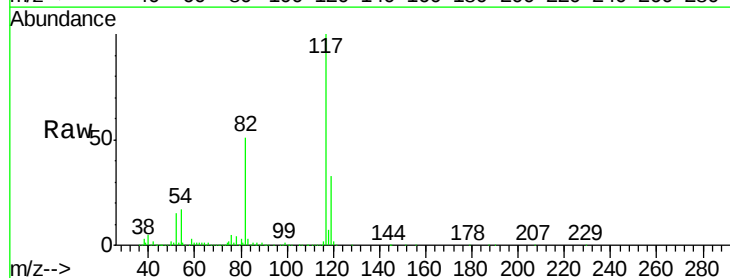
Tgt Ion: 117 Resp: 917019

Ion Ratio Lower Upper

117 100

82 50.9 39.6 59.4

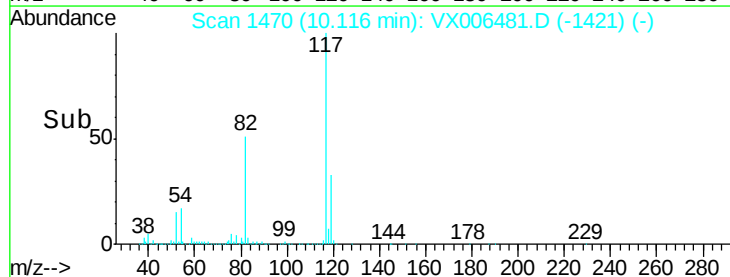
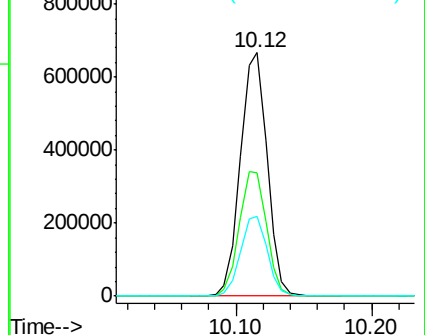
119 32.8 26.3 39.5

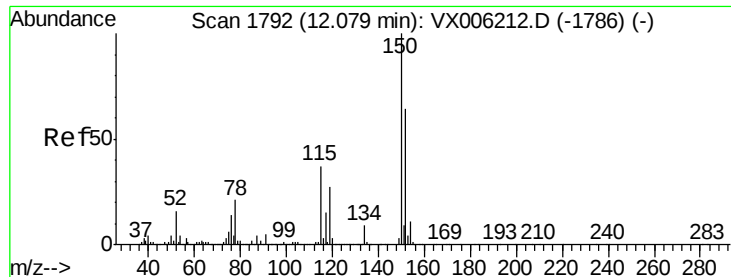


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006481.D

Acq: 13 Dec 2018 08:13

Instrument :

MSVOA_X

ClientSampleId :

P001-SW001-02

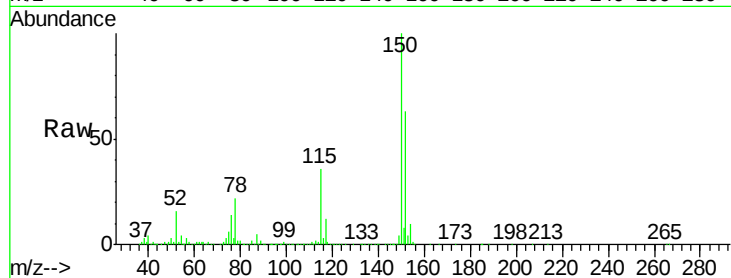
Tgt Ion:152 Resp: 436145

Ion Ratio Lower Upper

152 100

115 57.4 39.0 116.9

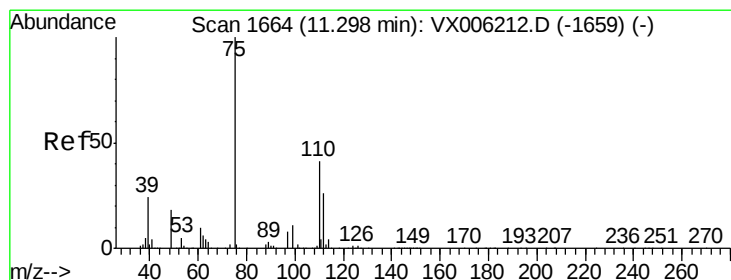
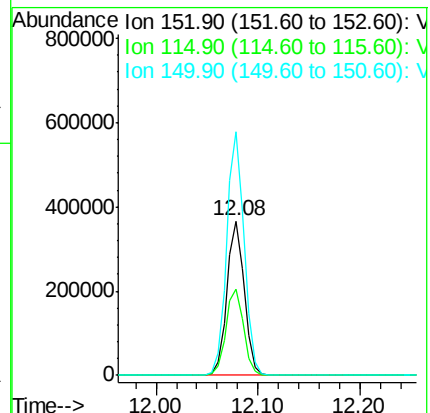
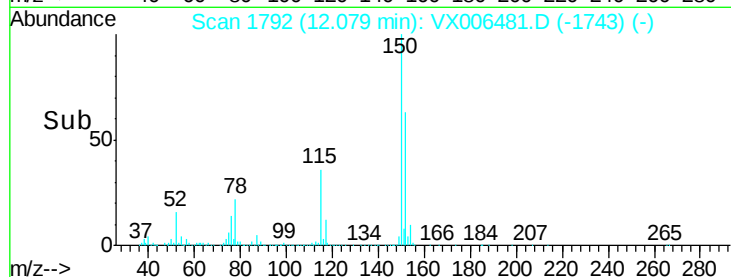
150 157.9 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 23.884 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006481.D

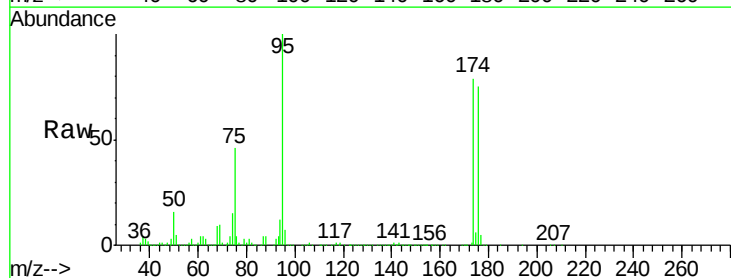
Acq: 13 Dec 2018 08:13

Tgt Ion: 75 Resp: 201061

Ion Ratio Lower Upper

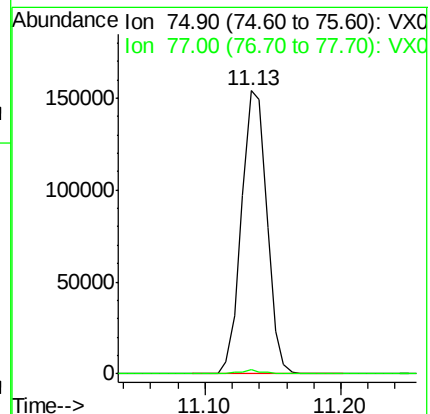
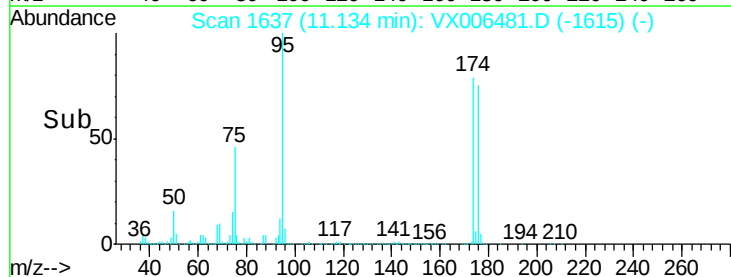
75 100

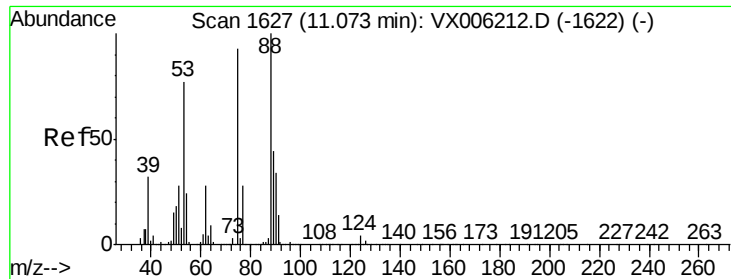
77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

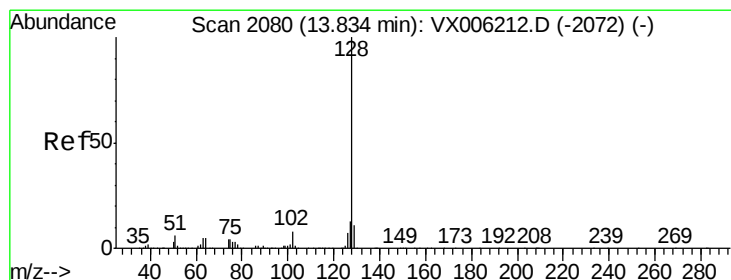
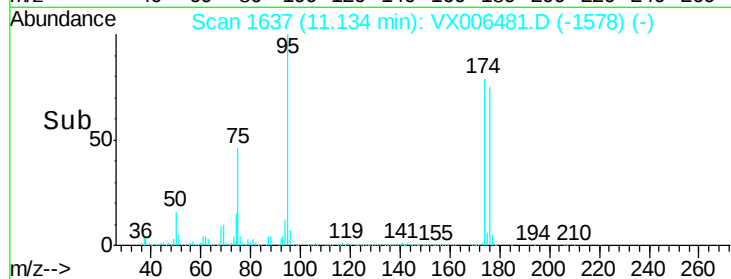
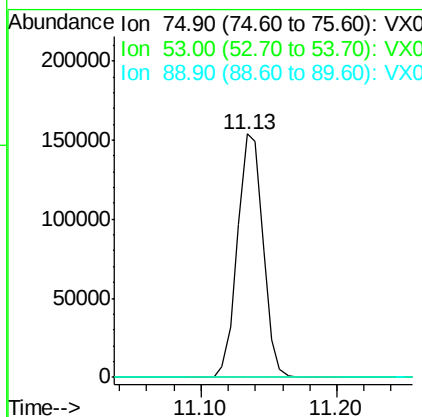
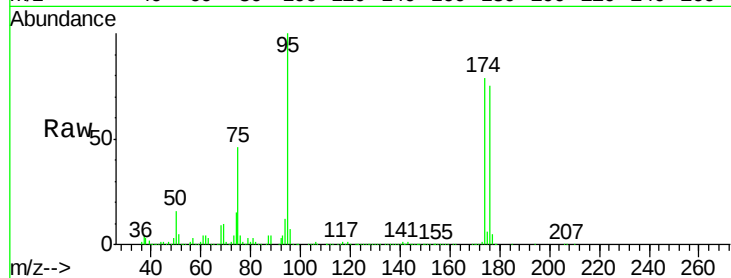




#81
trans-1,4-Dichloro-2-butene
Concen: 56.049 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

Instrument :
MSVOA_X
ClientSampleId :
P001-SW001-02

Tgt Ion: 75 Resp: 201061
Ion Ratio Lower Upper
75 100
53 0.2 64.4 96.6#
89 0.0 44.2 66.4#



#95
Naphthalene
Concen: 0.345 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006481.D
Acq: 13 Dec 2018 08:13

Tgt Ion: 128 Resp: 11551
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.4
129 13.6 8.9 13.3#

