

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006425.D
 Acq On : 11 Dec 2018 17:18
 Operator : JC/MD
 Sample : J6324-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:37:46 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	5.66	168	791025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1197254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1081489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	525111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	390332	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.51	113	368751	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	8.71	98	1390123	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	508450	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

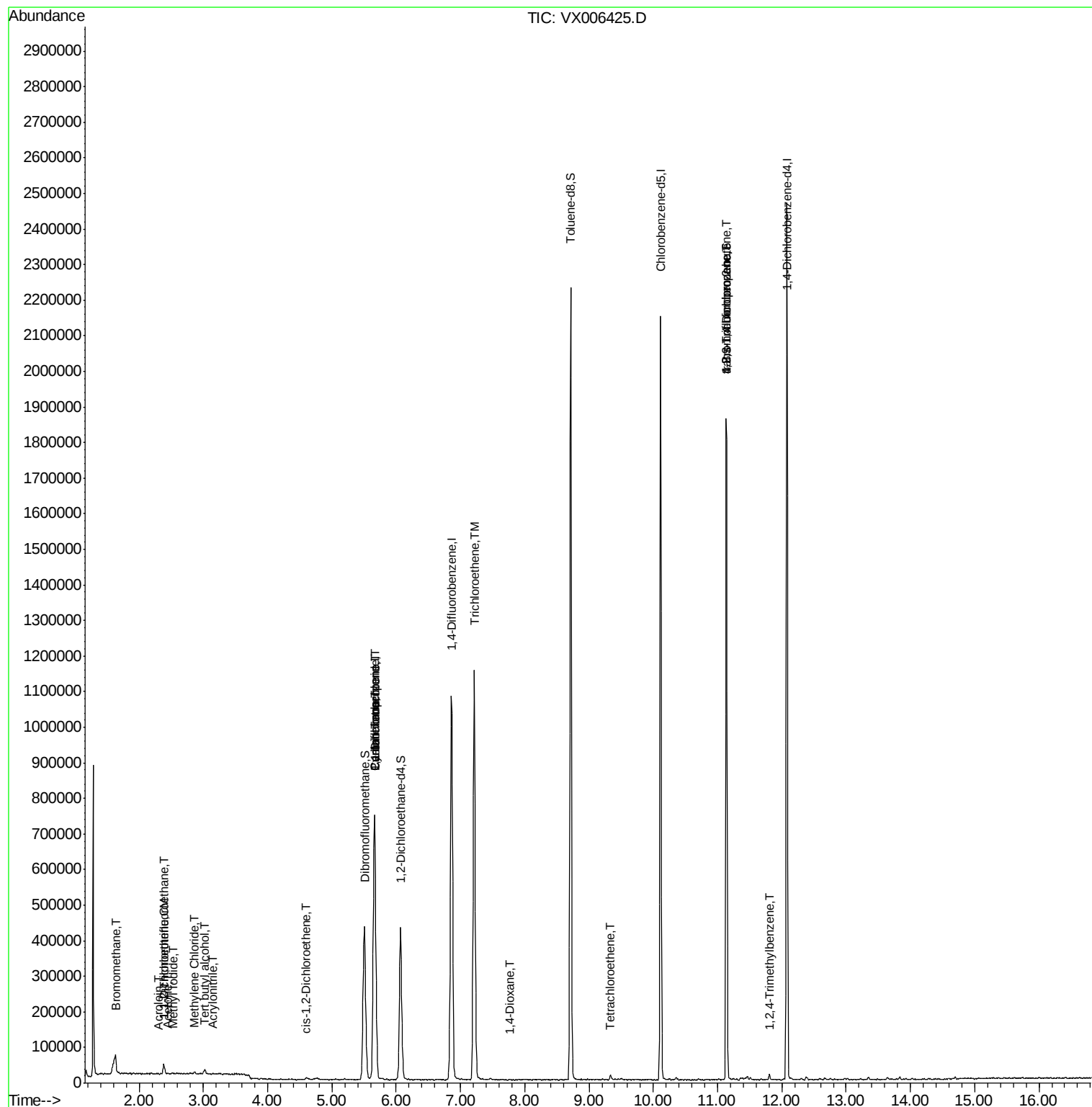
						Qvalue
5) Bromomethane	1.64	94	3612	0.608	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8354	1.117	ug/l	92
10) Methyl Iodide	2.53	142	2651	0.235	ug/l #	81
11) Tert butyl alcohol	3.02	59	8402	3.805	ug/l #	79
12) 1,1-Dichloroethene	2.38	96	3207	0.448	ug/l	85
13) Acrolein	2.31	56	318	0.263	ug/l	100
15) Acrylonitrile	3.15	53	1154	0.250	ug/l #	74
16) Acetone	2.45	43	2865	0.756	ug/l #	76
20) Methylene Chloride	2.87	84	2255	0.280	ug/l #	56
27) cis-1,2-Dichloroethene	4.60	96	2612	0.307	ug/l	85
31) Cyclohexane	5.67	56	12180	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	49815	4.941	ug/l #	48
38) Carbon Tetrachloride	5.66	117	70477	5.942	ug/l #	17
44) Trichloroethene	7.21	130	473152	51.722	ug/l	97
49) 1,4-Dioxane	7.77	88	773	3.425	ug/l #	51
64) Tetrachloroethene	9.34	164	2841	0.349	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	233786	23.066	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	233786	54.130	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	7874	0.253	ug/l	96

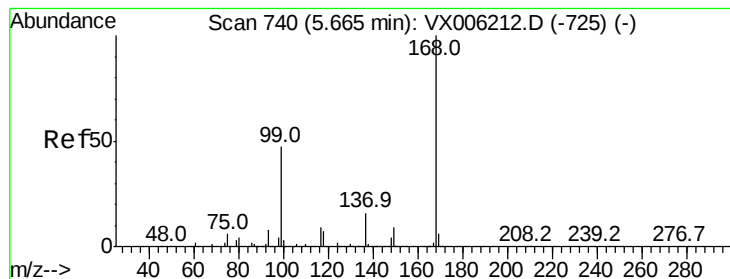
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

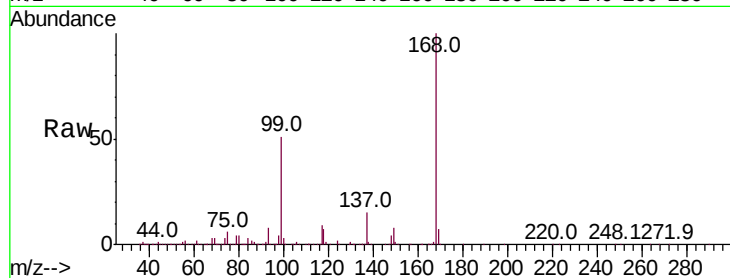
ClientSampled :

Tot Ion:168 Resp: 791025

Ion Ratio Lower Upper

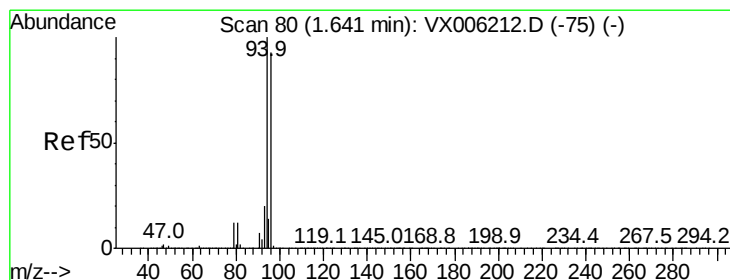
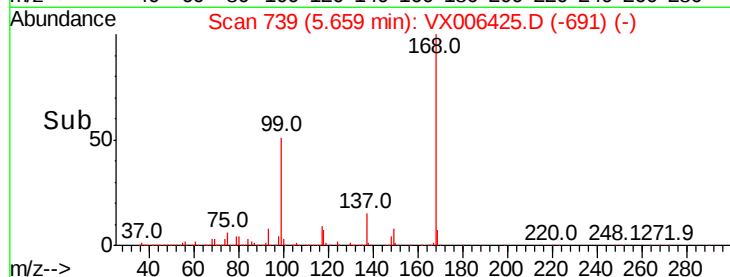
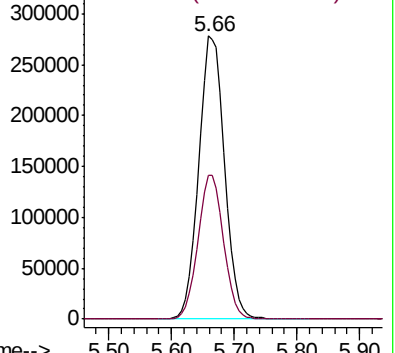
168 100

99 50.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.608 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006425.D

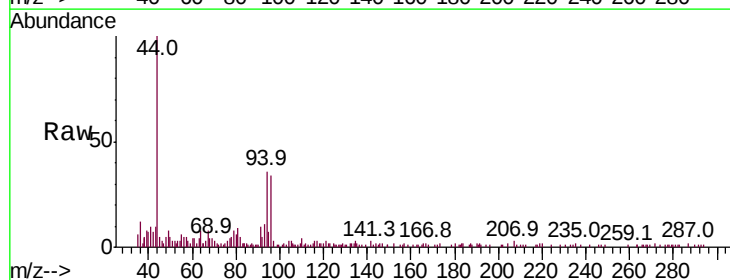
Acq: 11 Dec 2018 17:18

Tgt Ion: 94 Resp: 3612

Ion Ratio Lower Upper

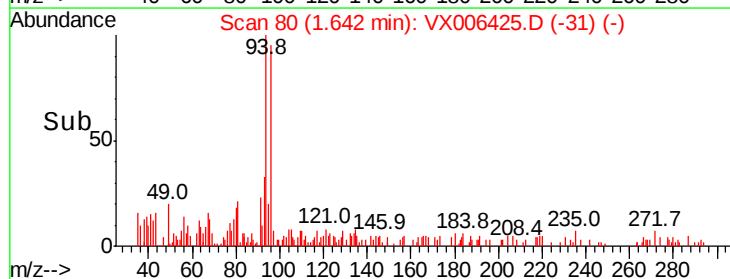
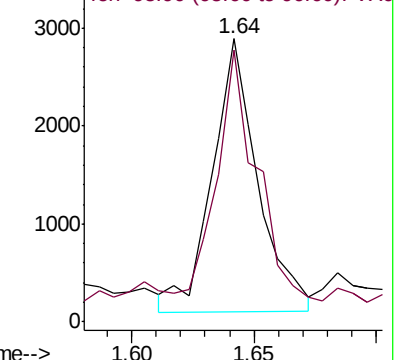
94 100

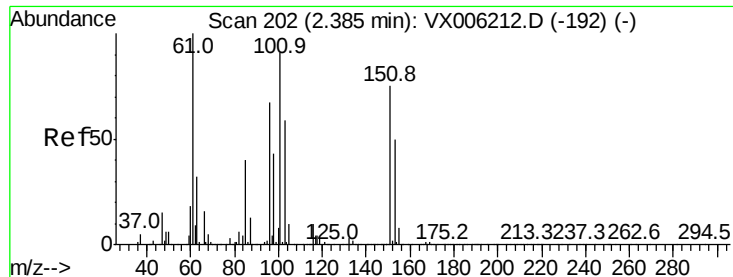
96 95.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.117 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

ClientSampled :

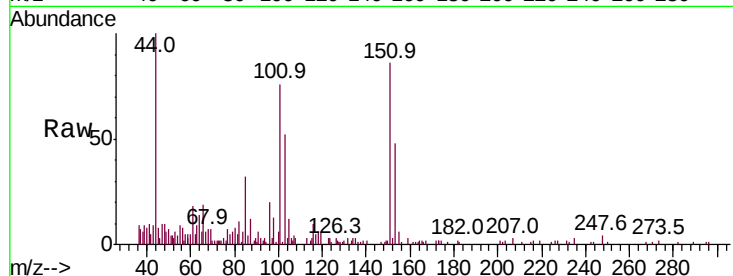
Tot Ion:101 Resp: 8354

Ion Ratio Lower Upper

101 100

85 50.8 35.5 53.3

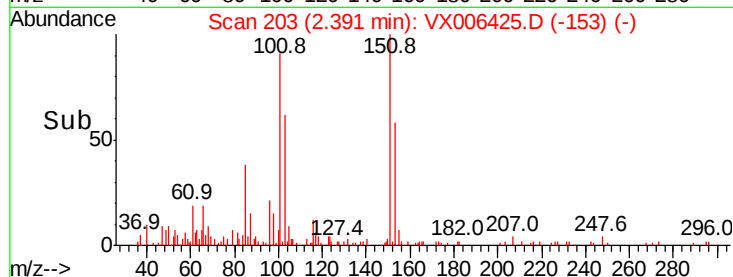
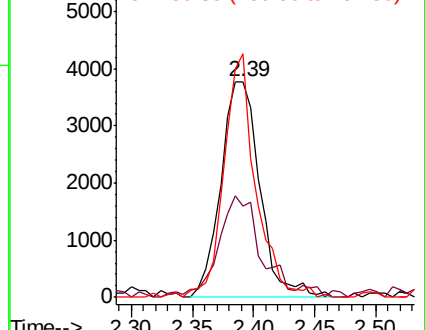
151 92.4 68.6 103.0



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



#10

Methyl Iodide

Concen: 0.235 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

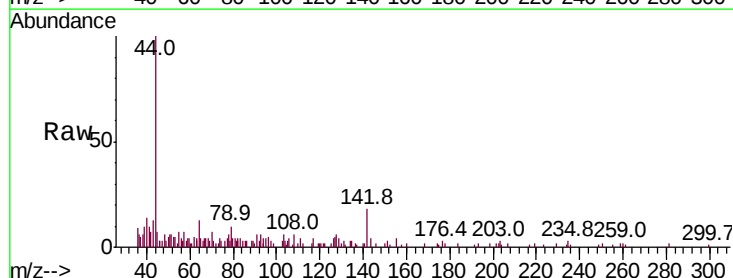
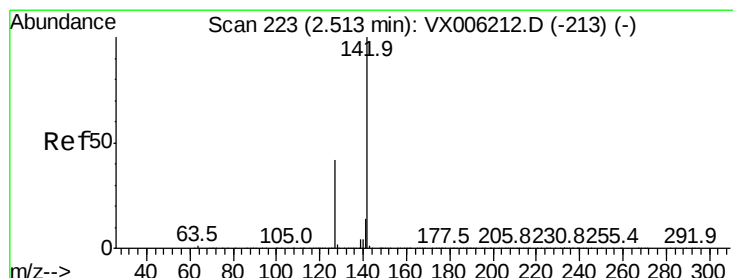
Tgt Ion:142 Resp: 2651

Ion Ratio Lower Upper

142 100

127 28.7 34.8 52.2#

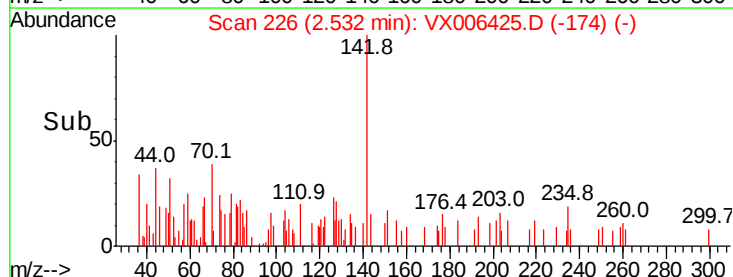
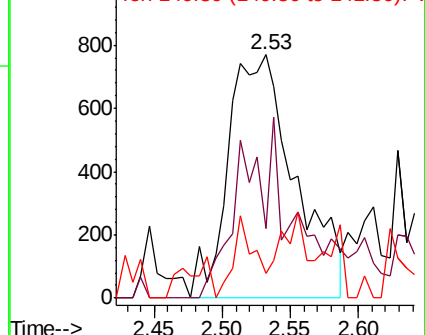
141 10.8 11.4 17.2#

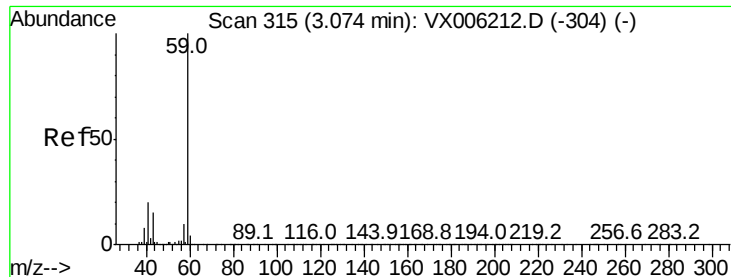


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



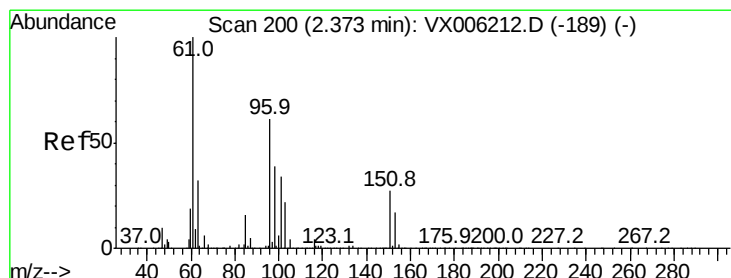
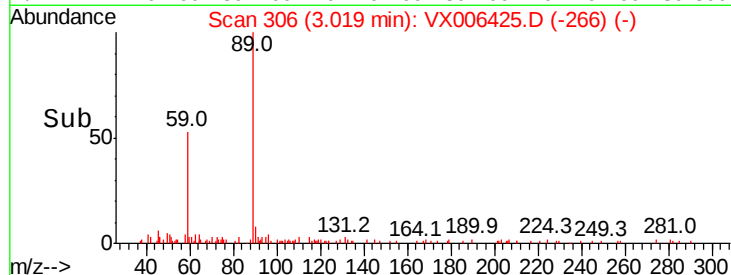
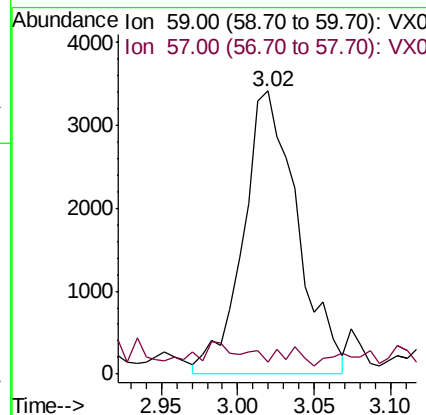
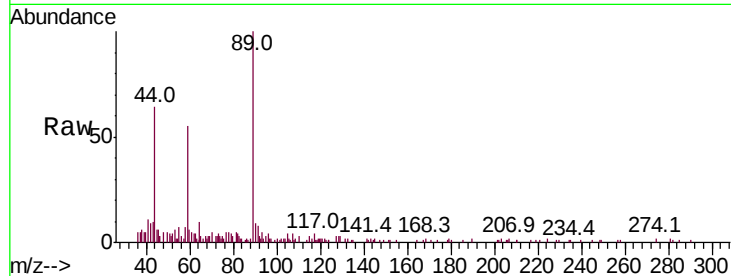


#11

Tert butyl alcohol
Concen: 3.805 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :

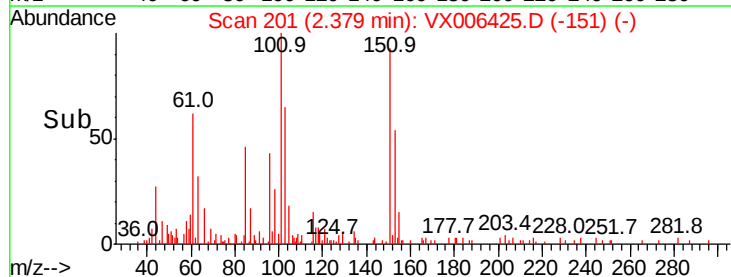
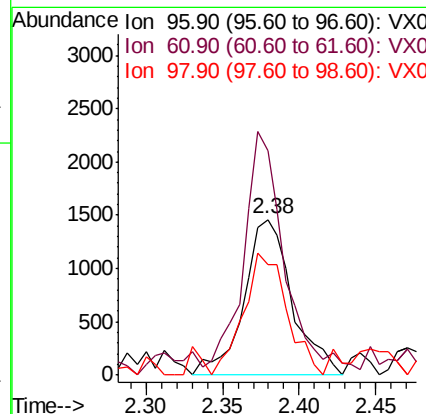
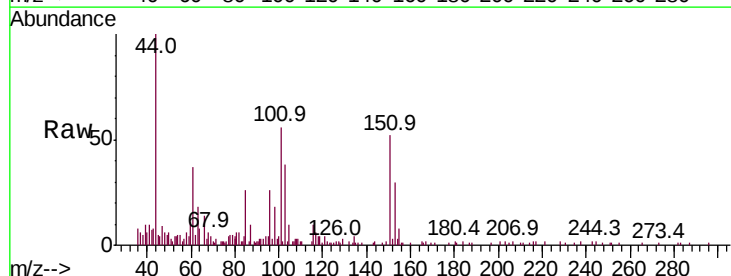
Tot Ion: 59 Resp: 8402
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.2#

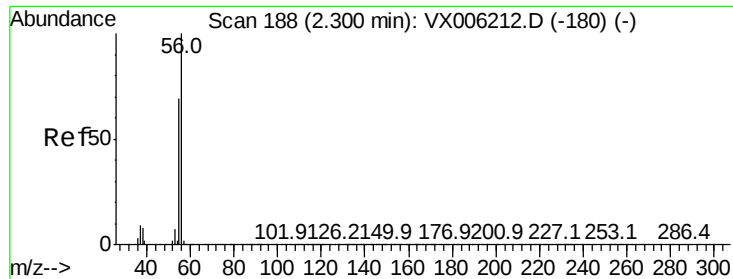


#12

1,1-Dichloroethene
Concen: 0.448 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Tgt Ion: 96 Resp: 3207
Ion Ratio Lower Upper
96 100
61 136.8 131.7 197.5
98 62.9 51.8 77.6

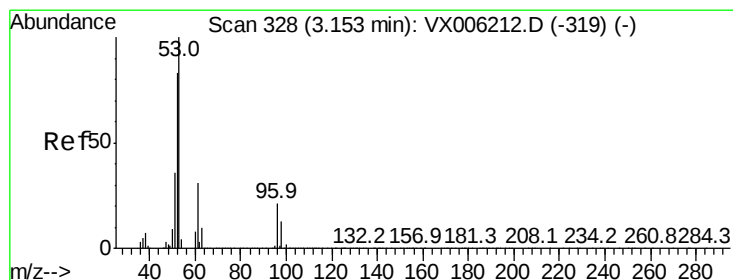
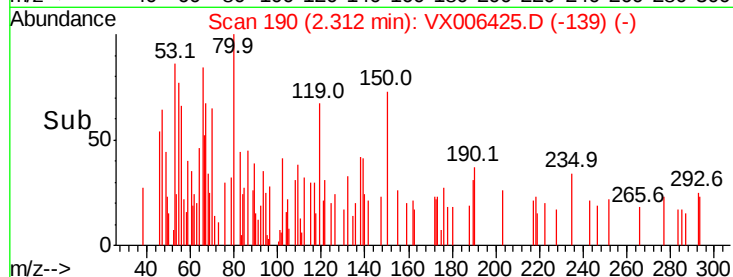
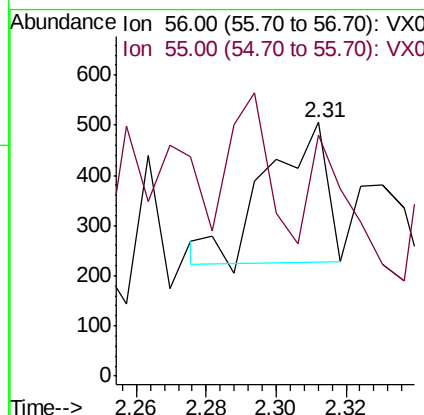
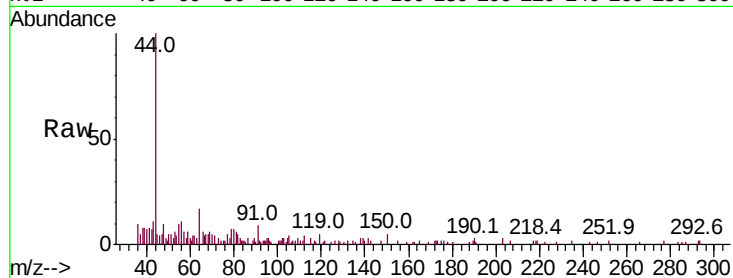




#13
Acrolein
Concen: 0.263 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

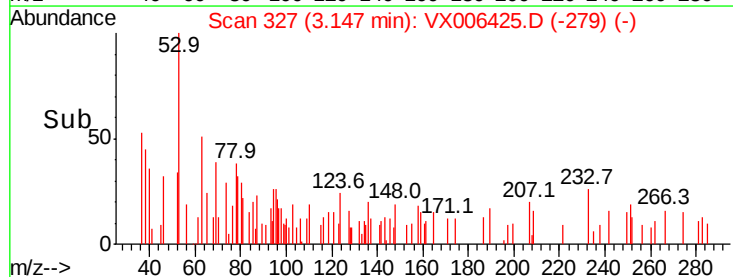
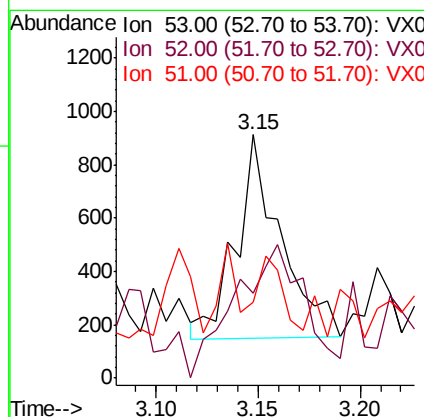
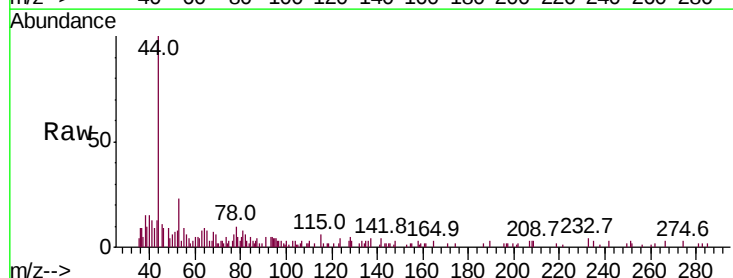
Instrument :
MSVOA_X
ClientSampled :

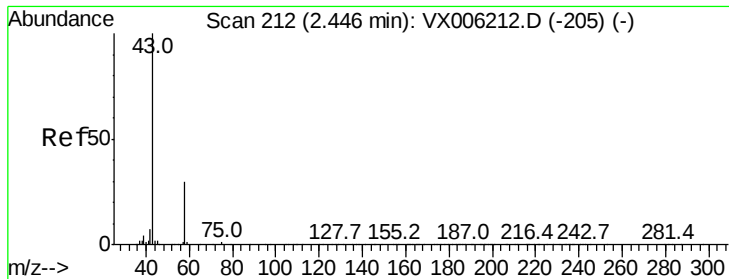
Tot Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 72.3 57.8 86.6



#15
Acrylonitrile
Concen: 0.250 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Tgt Ion: 53 Resp: 1154
Ion Ratio Lower Upper
53 100
52 103.7 66.2 99.4#
51 17.0 28.7 43.1#

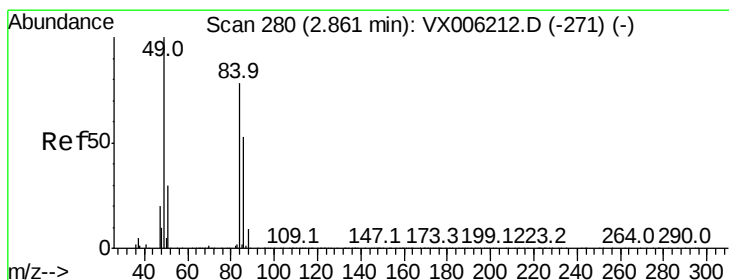
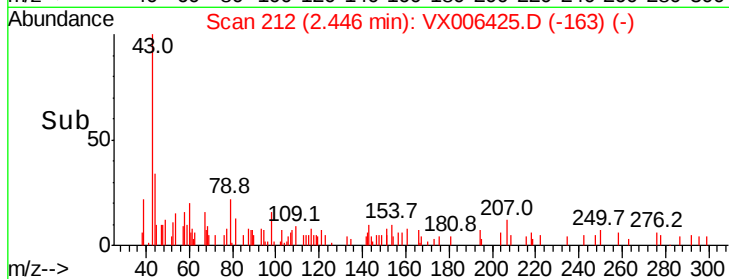
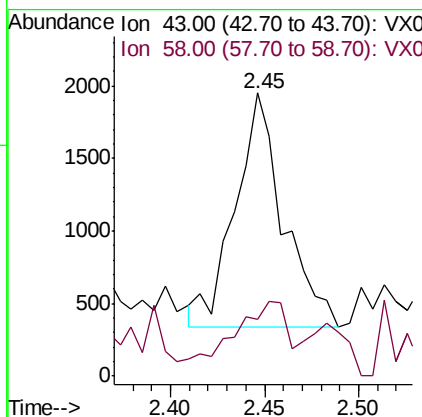
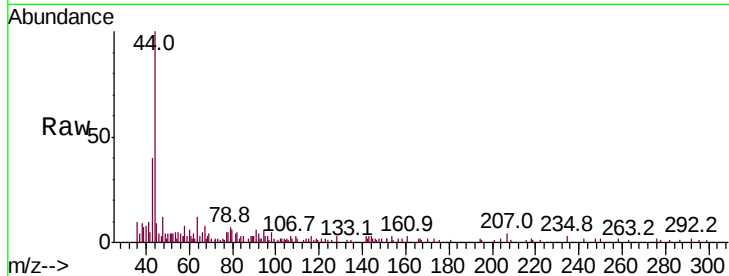




#16
Acetone
Concen: 0.756 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

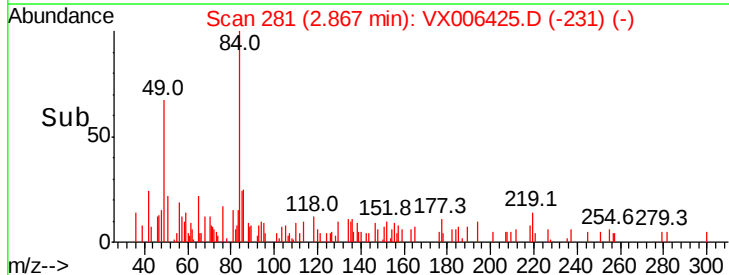
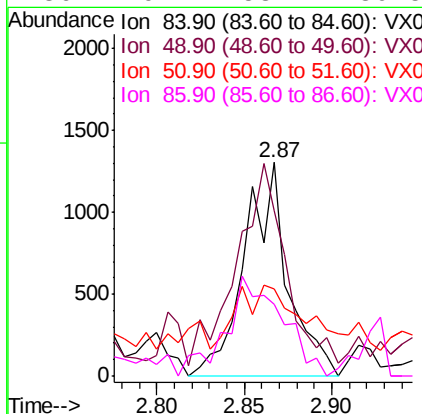
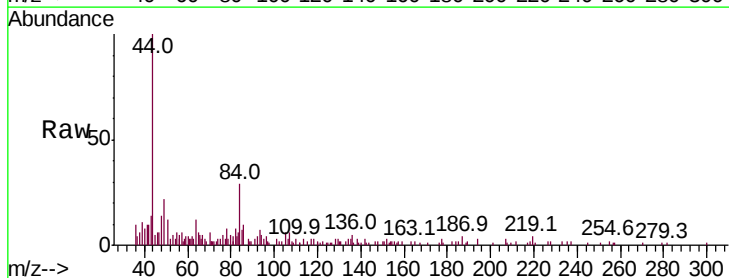
Instrument :
MSVOA_X
ClientSampled :

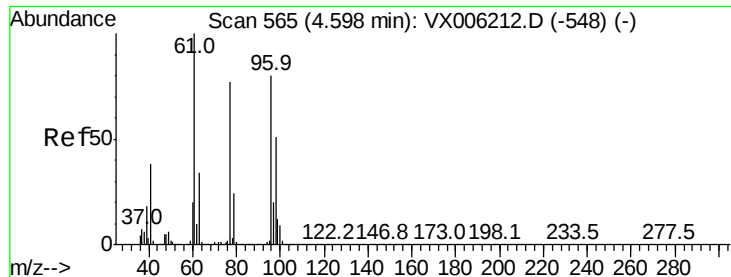
Tot Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
58 17.2 24.0 36.0#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Tgt Ion: 84 Resp: 2255
Ion Ratio Lower Upper
84 100
49 72.6 102.2 153.4#
51 21.1 31.1 46.7#
86 29.7 53.7 80.5#



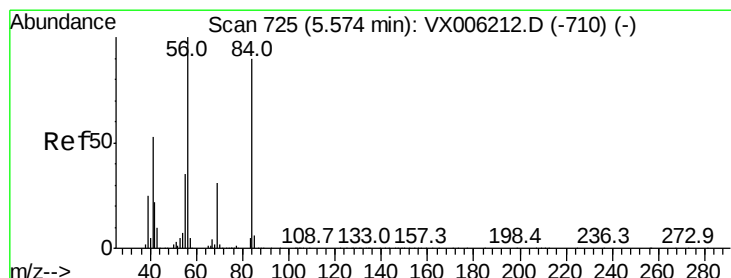
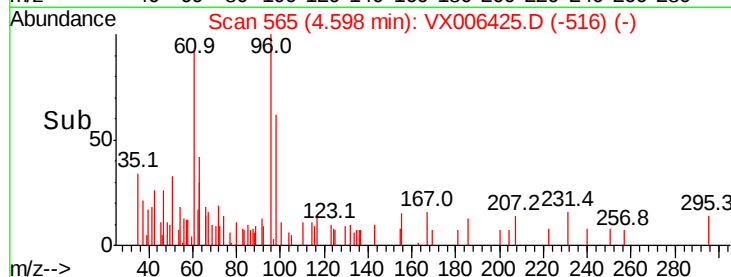
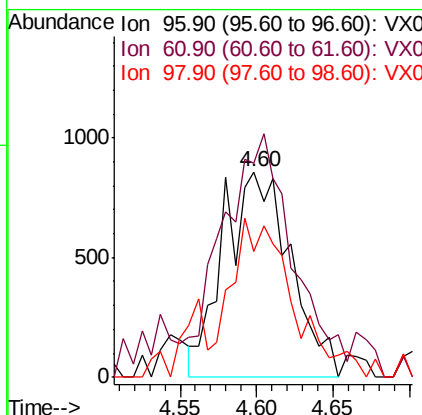
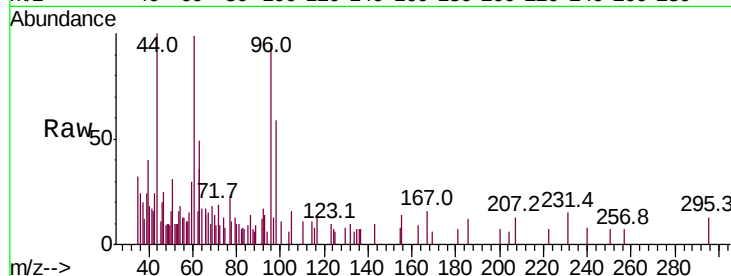


#27

cis-1,2-Dichloroethene
Concen: 0.307 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :

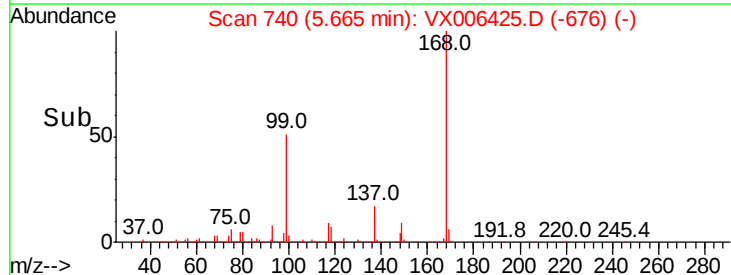
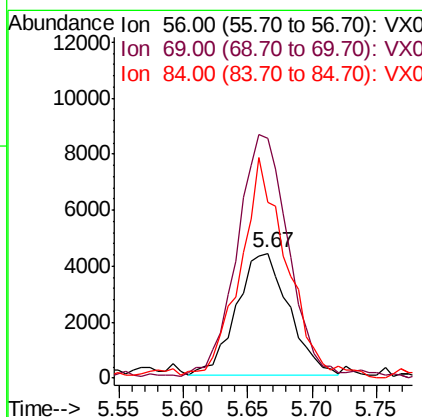
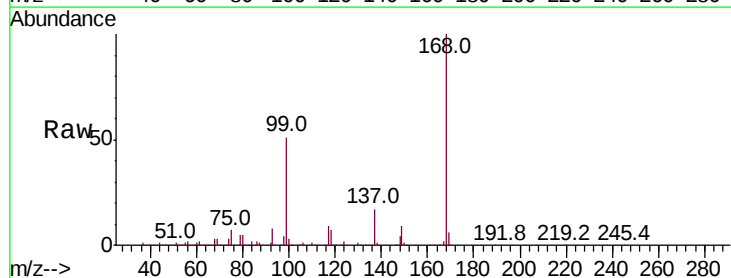
Tot Ion: 96 Resp: 2612
Ion Ratio Lower Upper
96 100
61 110.1 0.0 265.0
98 71.6 0.0 130.2

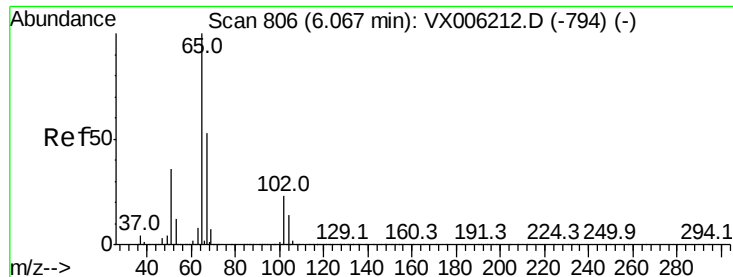


#31

Cyclohexane
Concen: 1.044 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Tgt Ion: 56 Resp: 12180
Ion Ratio Lower Upper
56 100
69 192.4 24.5 36.7#
84 138.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 48.338 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

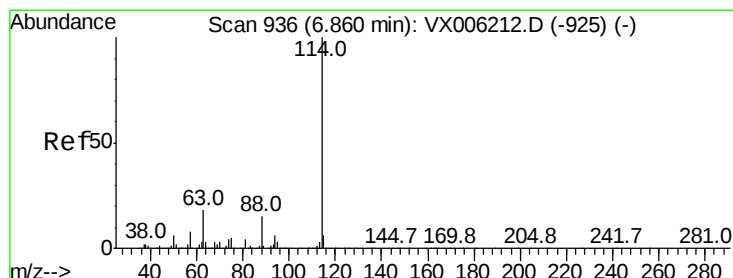
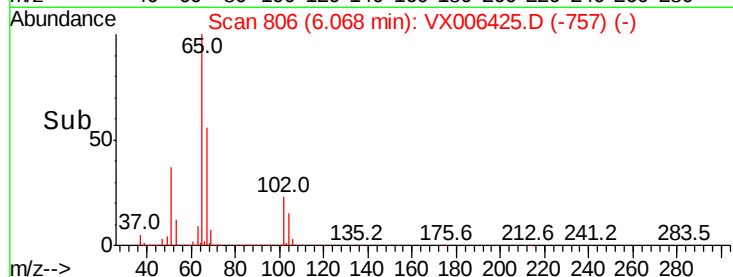
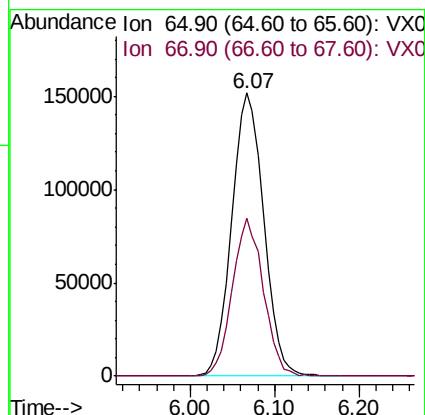
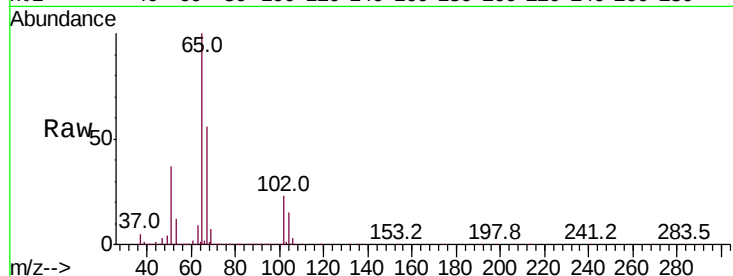
ClientSampleId :

Tot Ion: 65 Resp: 390332

Ion Ratio Lower Upper

65 100

67 53.9 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: VX006425.D

Acq: 11 Dec 2018 17:18

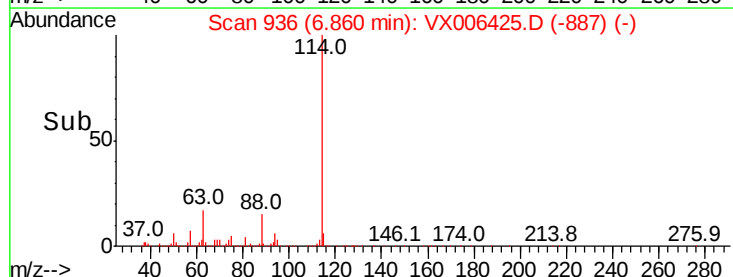
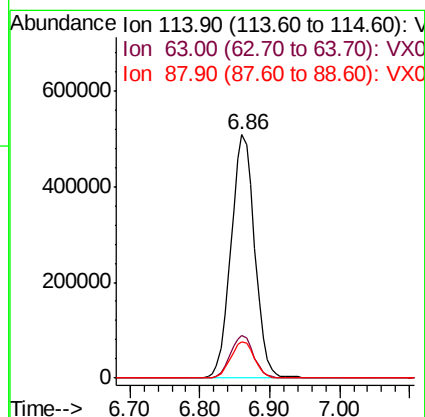
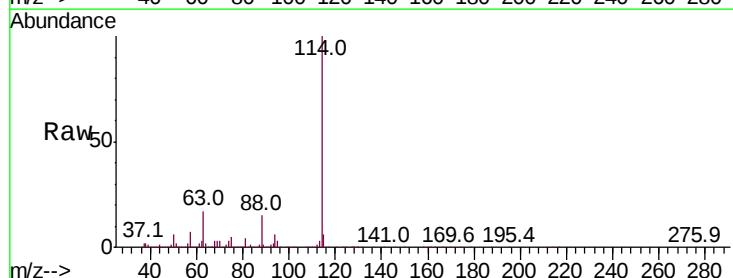
Tgt Ion: 114 Resp: 1197254

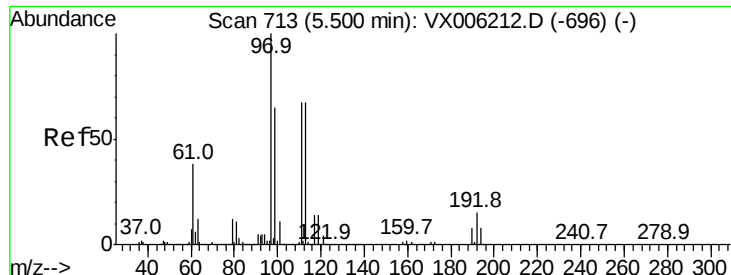
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.570 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :

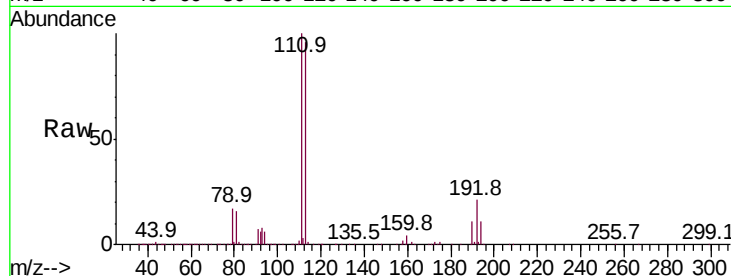
Tot Ion:113 Resp: 368751

Ion Ratio Lower Upper

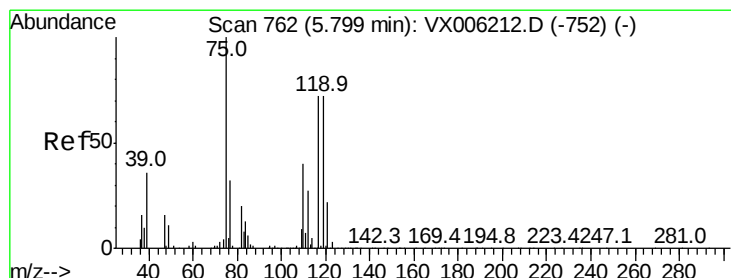
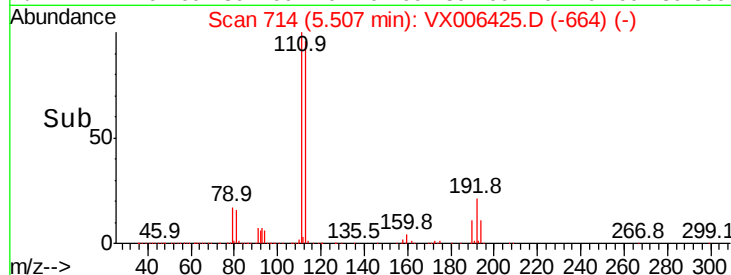
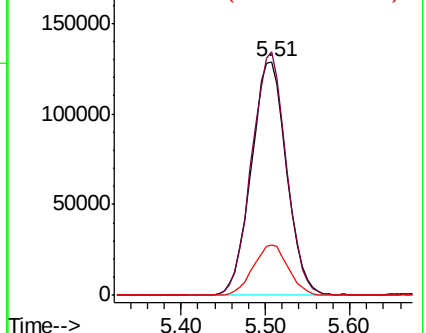
113 100

111 101.9 81.1 121.7

192 21.5 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



#36

1,1-Dichloropropene

Concen: 4.941 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

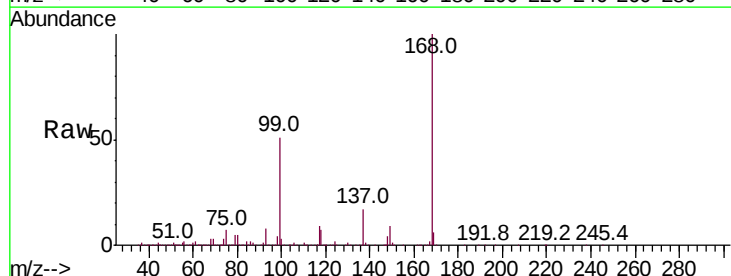
Tgt Ion: 75 Resp: 49815

Ion Ratio Lower Upper

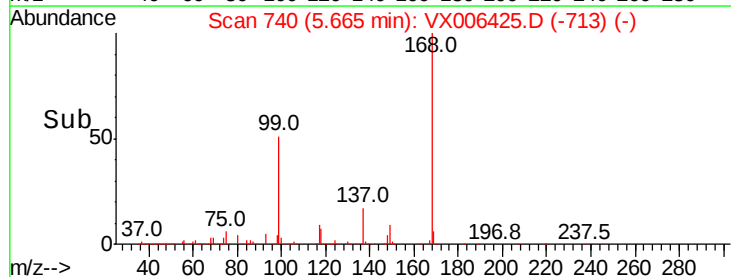
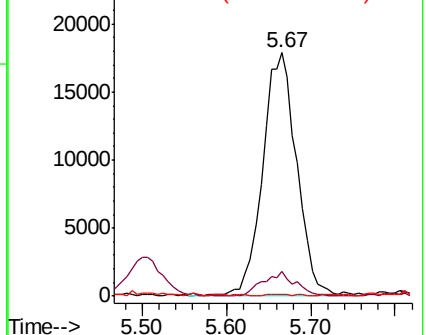
75 100

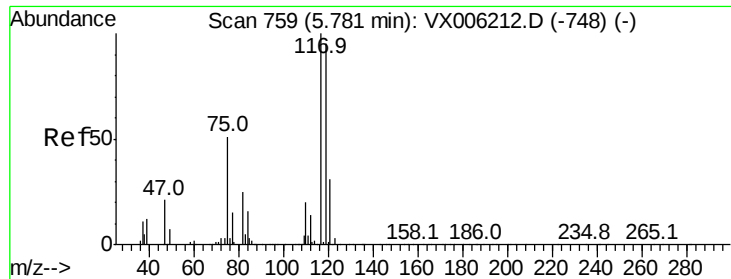
110 9.8 20.4 61.3#

77 0.7 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

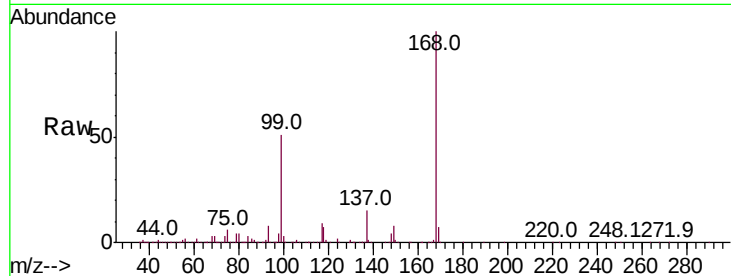
Tot Ion:117 Resp: 70477

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

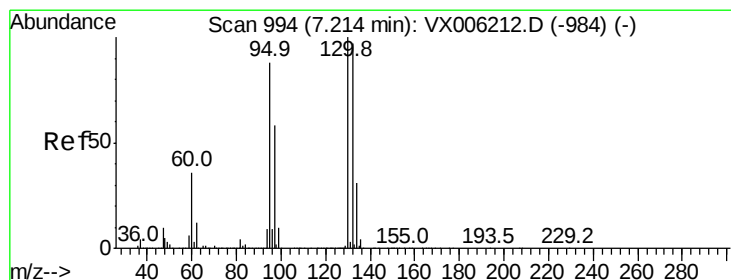
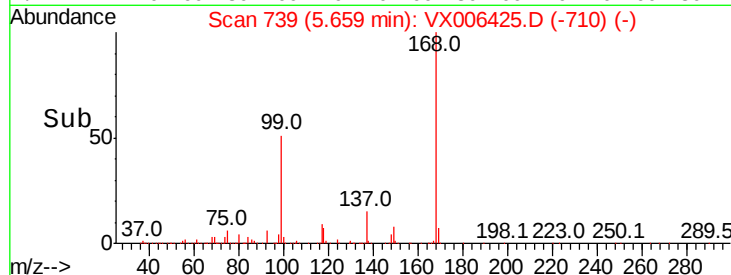
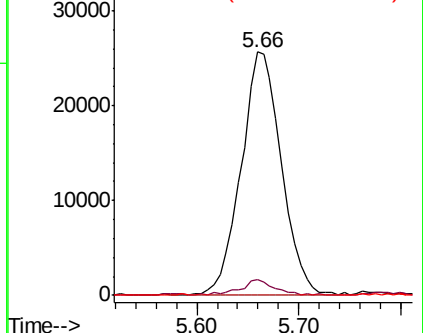
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 51.722 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006425.D

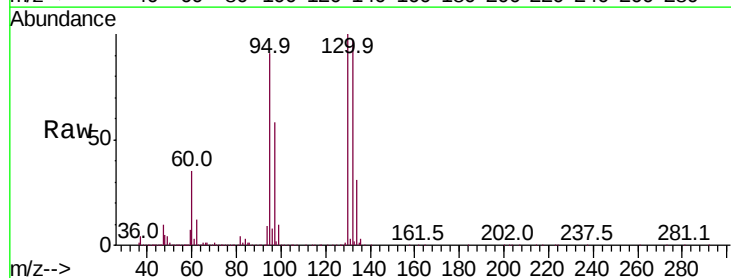
Acq: 11 Dec 2018 17:18

Tgt Ion:130 Resp: 473152

Ion Ratio Lower Upper

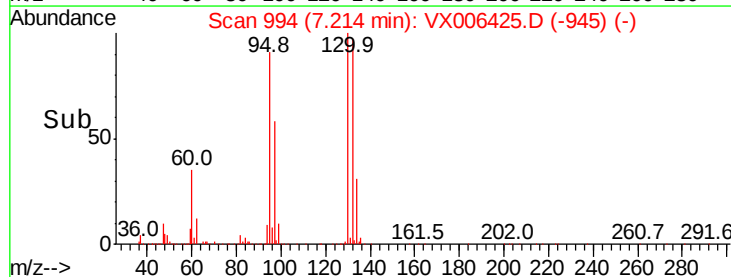
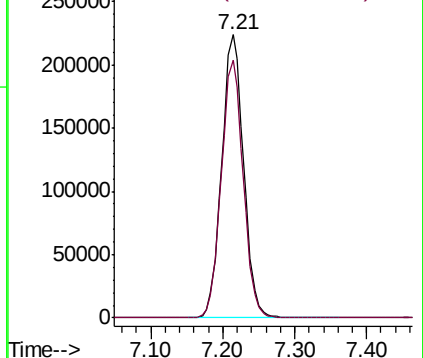
130 100

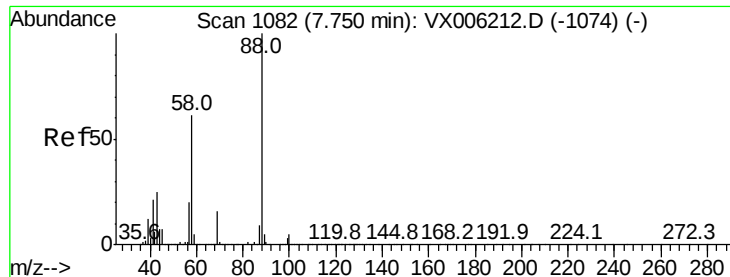
95 90.8 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 3.425 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :

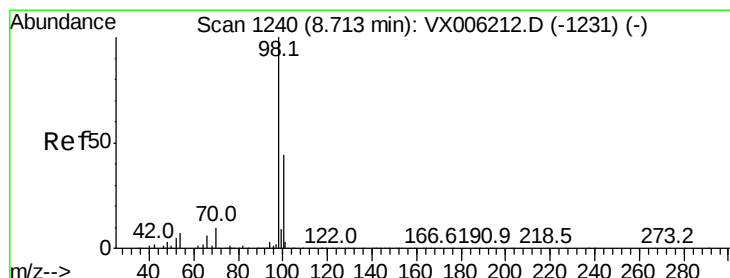
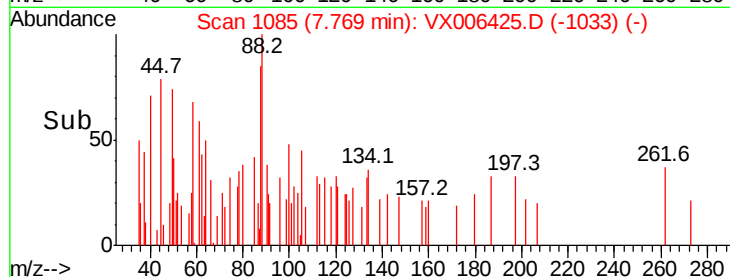
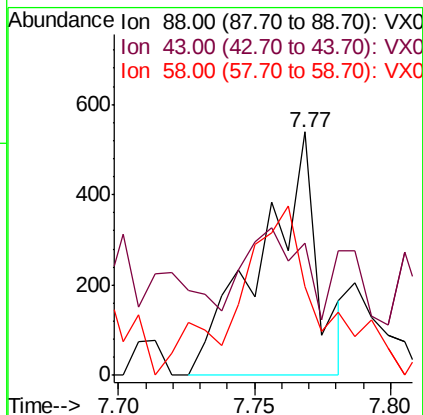
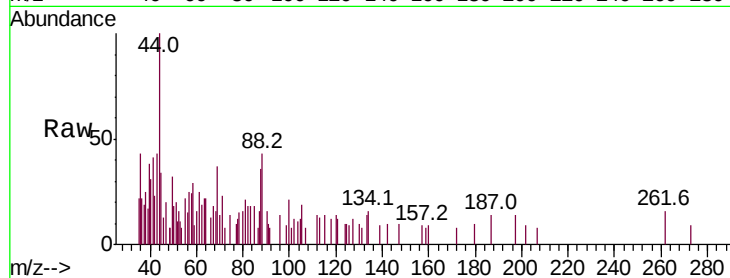
Tot Ion: 88 Resp: 773

Ion Ratio Lower Upper

88 100

43 54.3 23.2 34.8#

58 103.1 51.4 77.0#



#50

Toluene-d8

Concen: 49.301 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006425.D

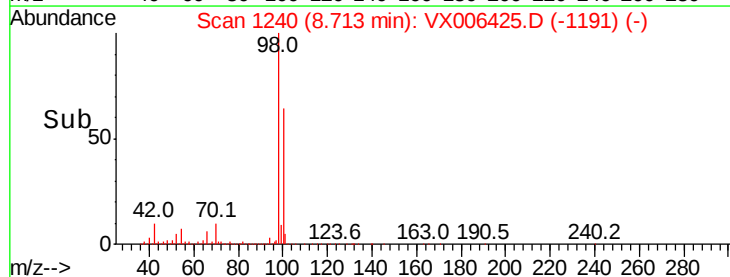
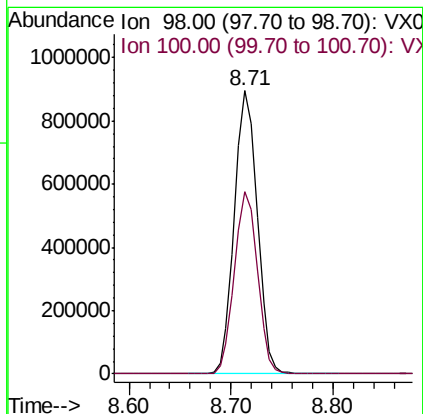
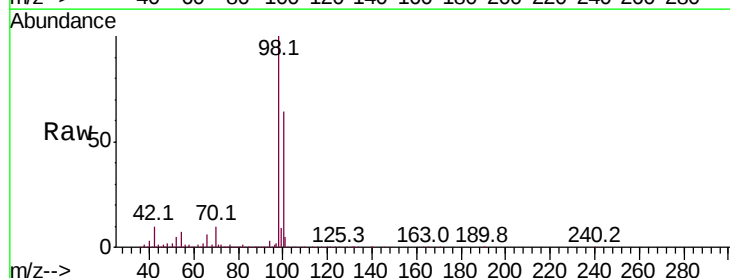
Acq: 11 Dec 2018 17:18

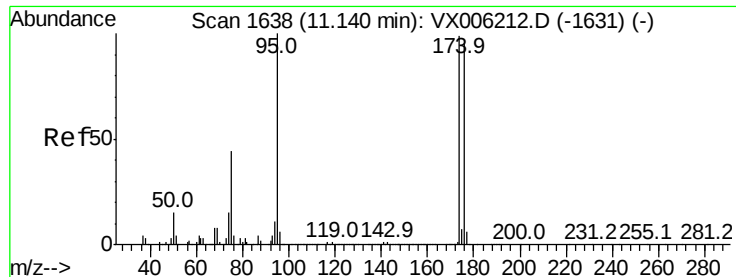
Tgt Ion: 98 Resp: 1390123

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 47.853 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

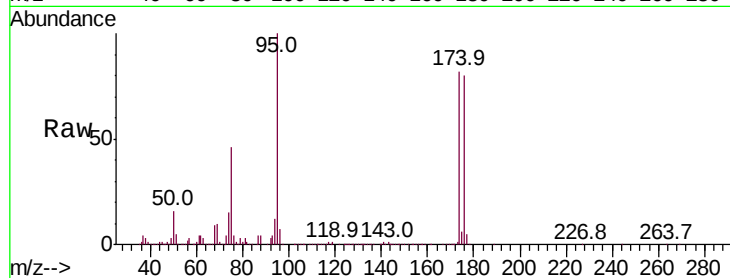
Tot Ion: 95 Resp: 508450

Ion Ratio Lower Upper

95 100

174 89.1 0.0 187.0

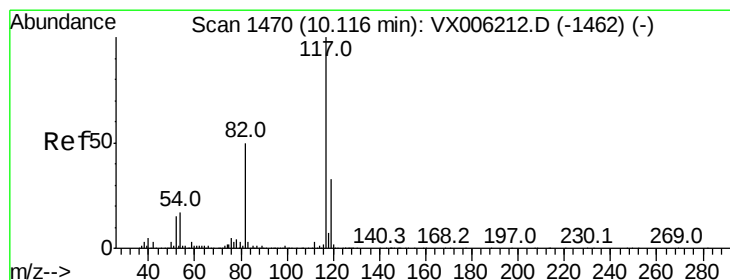
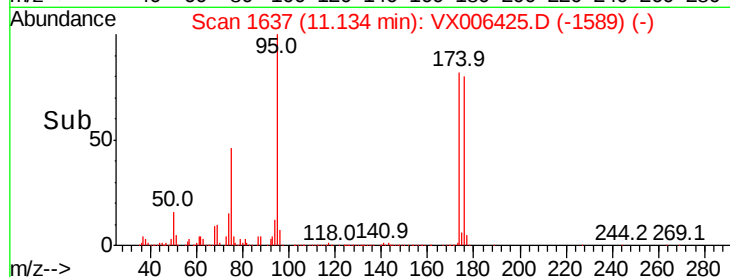
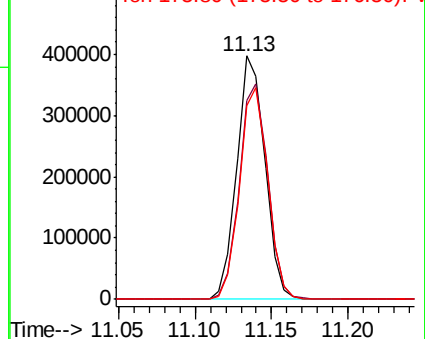
176 87.0 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

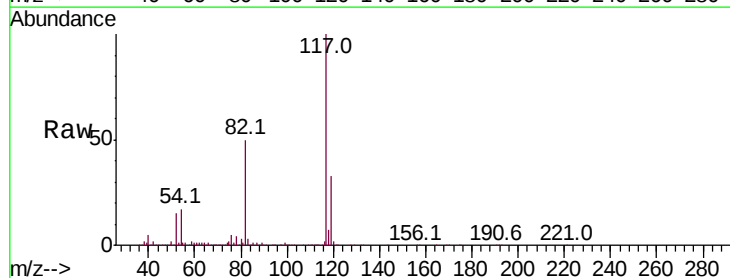
Tgt Ion: 117 Resp: 1081489

Ion Ratio Lower Upper

117 100

82 49.8 39.6 59.4

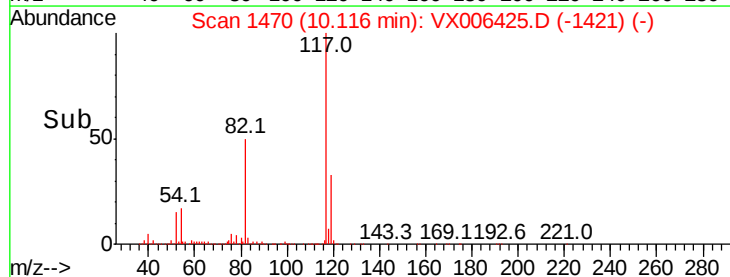
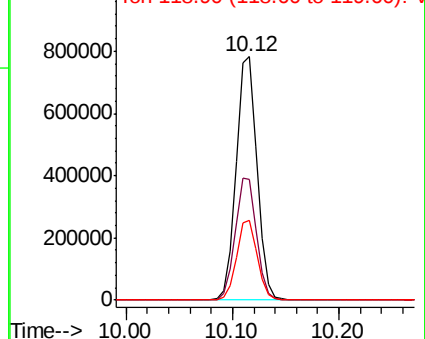
119 32.7 26.3 39.5

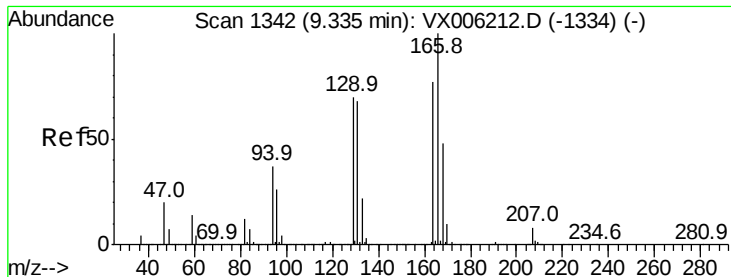


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)

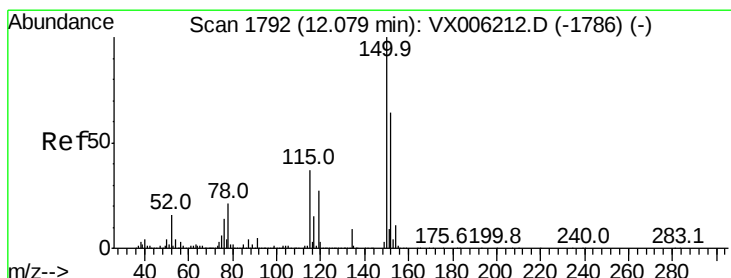
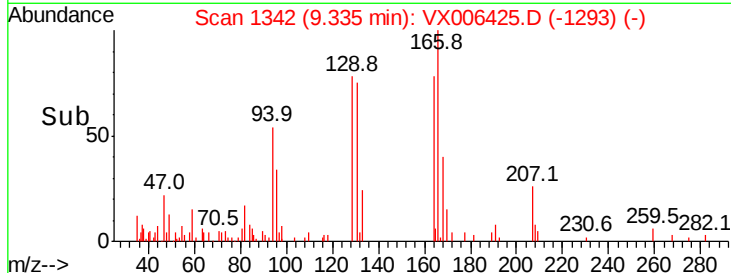
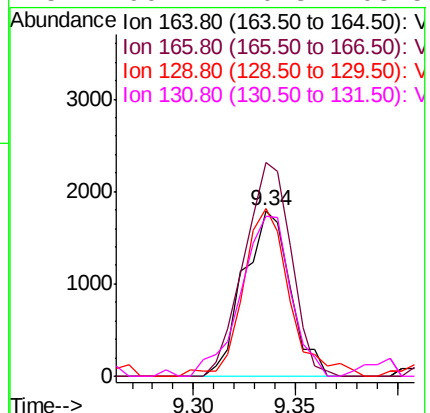
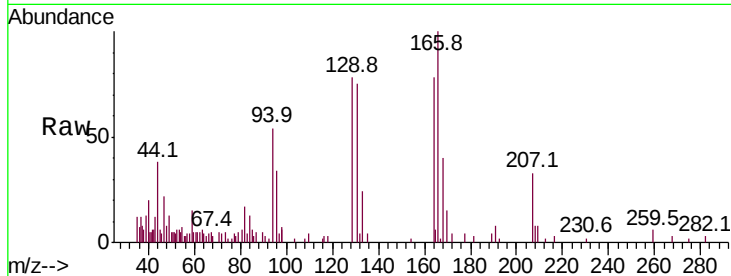




#64
Tetrachloroethene
Concen: 0.349 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

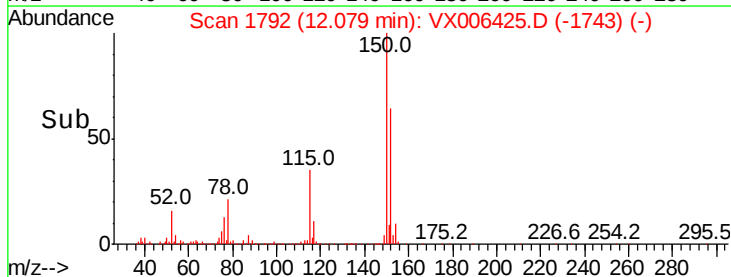
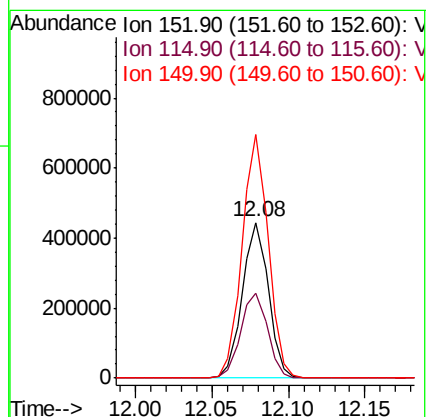
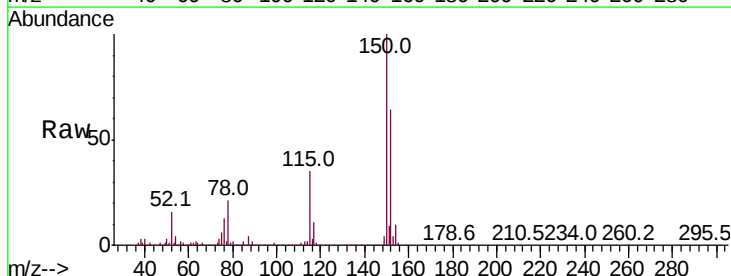
Instrument :
MSVOA_X
ClientSampleId :

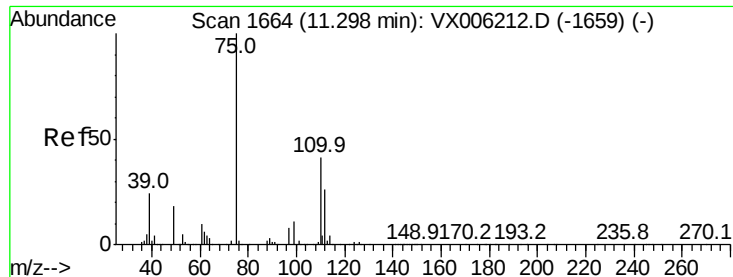
Tot Ion:	164	Resp:	2841
Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.2	156.2
129	97.2	72.6	108.8
131	96.7	70.3	105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006425.D
Acq: 11 Dec 2018 17:18

Tgt Ion:	152	Resp:	525111
Ion	Ratio	Lower	Upper
152	100		
115	56.4	39.0	116.9
150	156.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 23.066 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

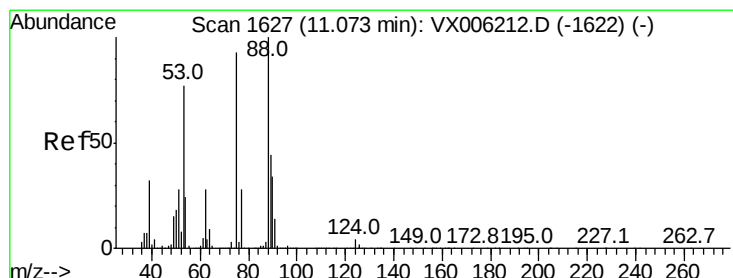
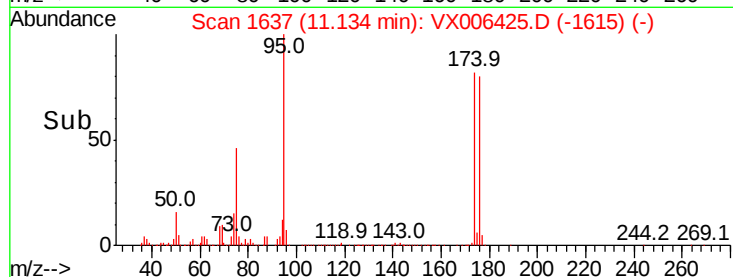
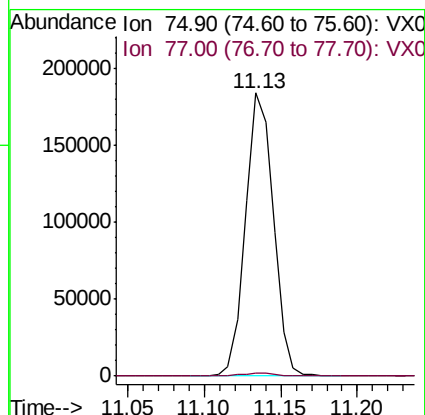
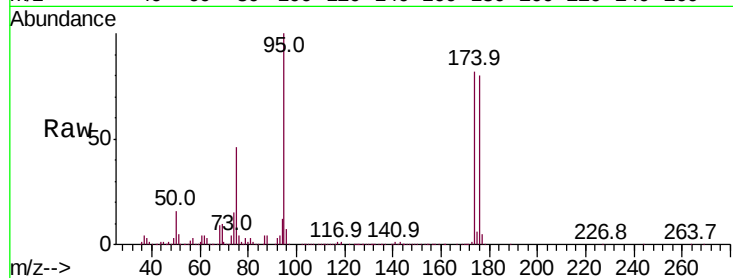
ClientSampleId :

Tot Ion: 75 Resp: 233786

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.130 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

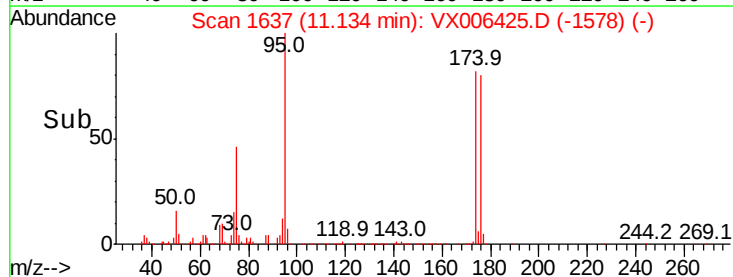
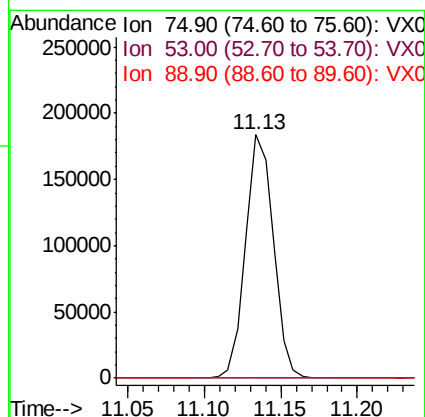
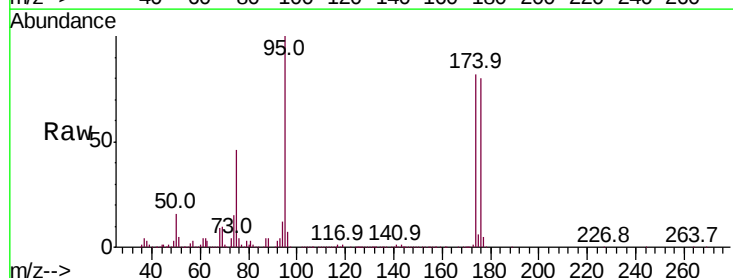
Tgt Ion: 75 Resp: 233786

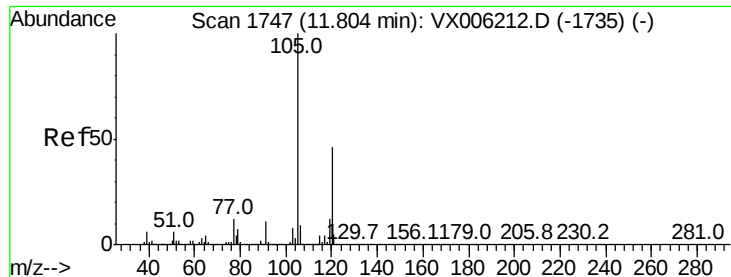
Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.253 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006425.D

Acq: 11 Dec 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:105 Resp: 7874

Ion Ratio Lower Upper

105 100

120 49.4 23.4 70.0

