

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002746.D
 Acq On : 20 Jun 2018 17:13
 Operator : JC/MD
 Sample : J3596-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:59:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167500	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	150255	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	
35) Dibromofluoromethane	5.51	113	120349	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.72	98	448822	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	11.14	95	158868	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

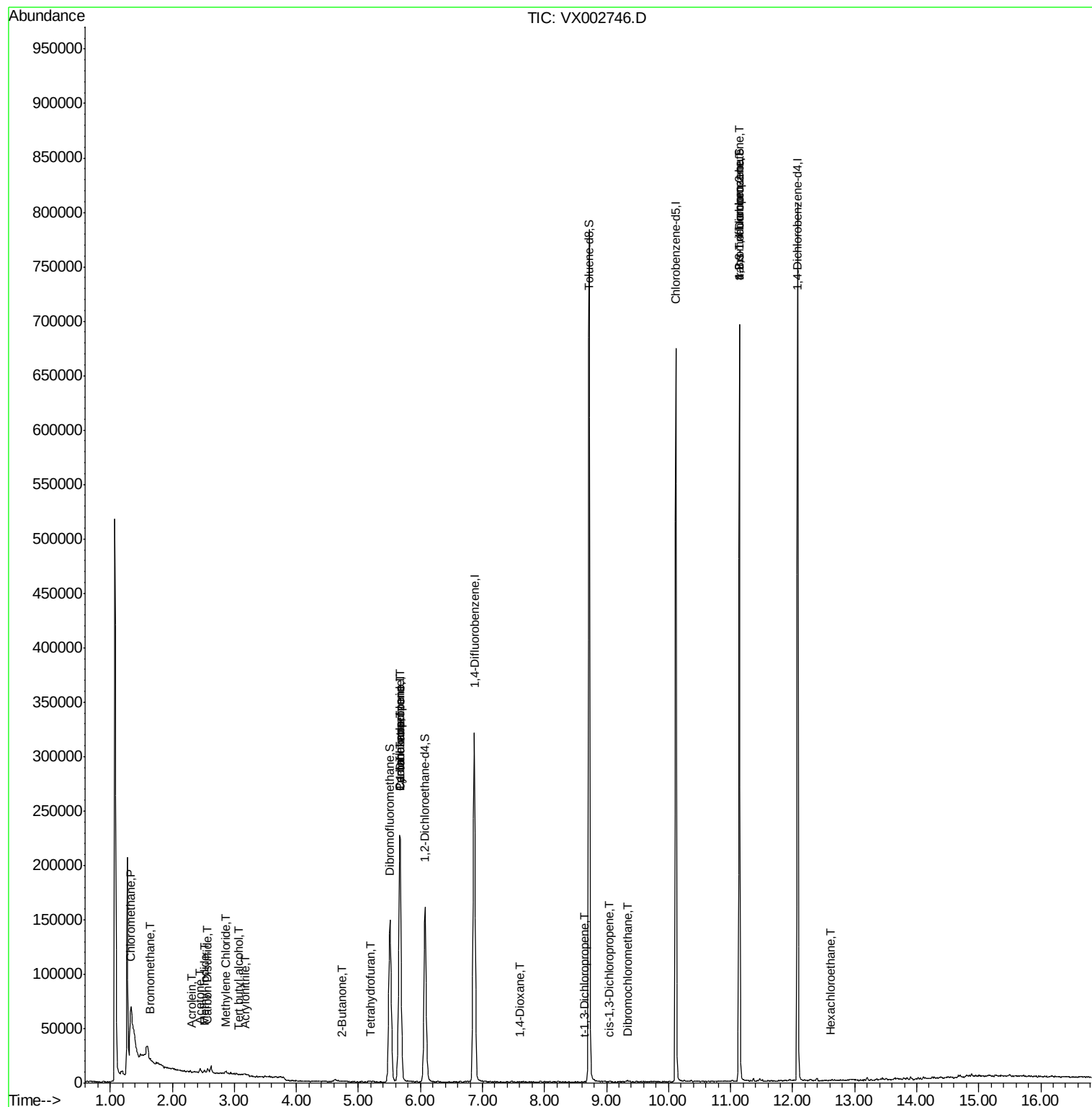
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2875	1.00	ug/l #	76
5) Bromomethane	1.65	94	892	0.50	ug/l	83
10) Methyl Iodide	2.51	142	1791	5.62	ug/l	93
11) Tert butyl alcohol	3.06	59	166	0.23	ug/l #	73
13) Acrolein	2.31	56	118	7.21	ug/l #	72
15) Acrylonitrile	3.17	53	548	0.35	ug/l #	74
16) Acetone	2.45	43	4306	2.82	ug/l #	85
17) Carbon Disulfide	2.57	76	5590	0.93	ug/l #	91
20) Methylene Chloride	2.86	84	999	0.32	ug/l	96
25) 2-Butanone	4.72	43	619	0.31	ug/l #	52
29) Tetrahydrofuran	5.18	42	605	0.46	ug/l #	67
31) Cyclohexane	5.67	56	4706	1.15	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	15766	4.65	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20705	6.13	ug/l #	17
49) 1,4-Dioxane	7.61	88	21	0.34	ug/l #	1
53) t-1,3-Dichloropropene	8.65	75	49	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	112	3.24	ug/l #	69
60) Dibromochloromethane	9.34	129	72	3.78	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	84271	26.66	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84271	82.36	ug/l #	7
90) Hexachloroethane	12.60	117	97	2.68	ug/l #	1

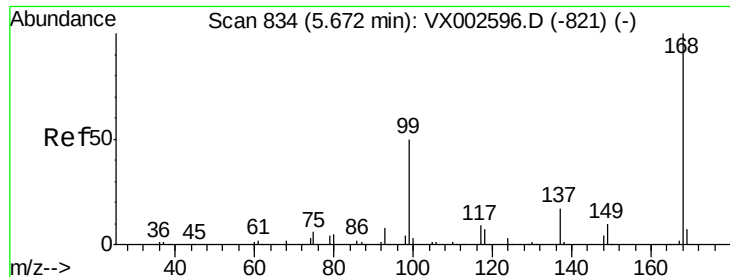
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002746.D
Acq On : 20 Jun 2018 17:13
Operator : JC/MD
Sample : J3596-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 21 03:59:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

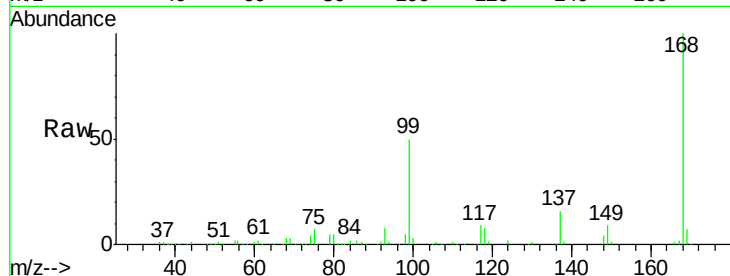
ClientSampled :

Tot Ion:168 Resp: 227466

Ion Ratio Lower Upper

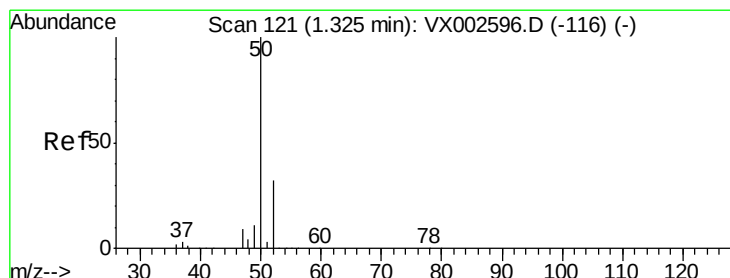
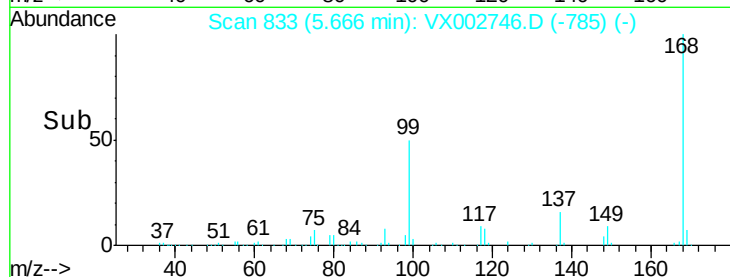
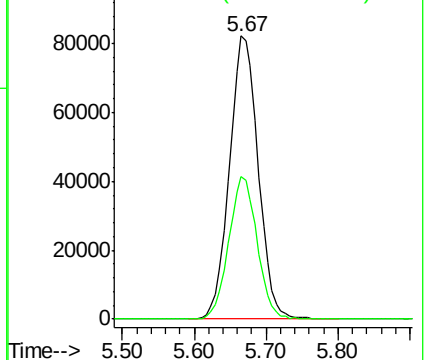
168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002746.D

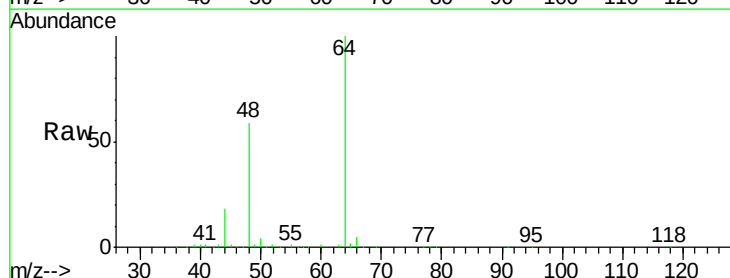
Acq: 20 Jun 2018 17:13

Tgt Ion: 50 Resp: 2875

Ion Ratio Lower Upper

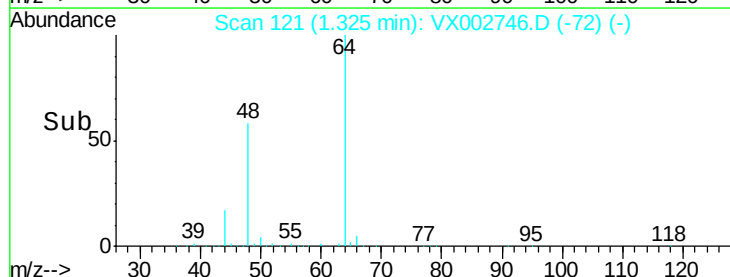
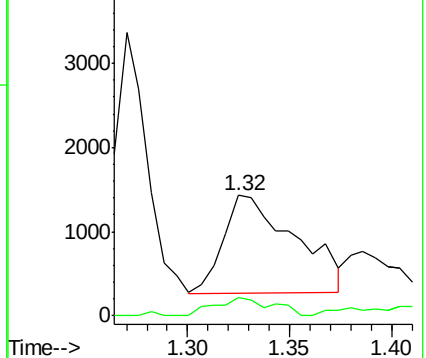
50 100

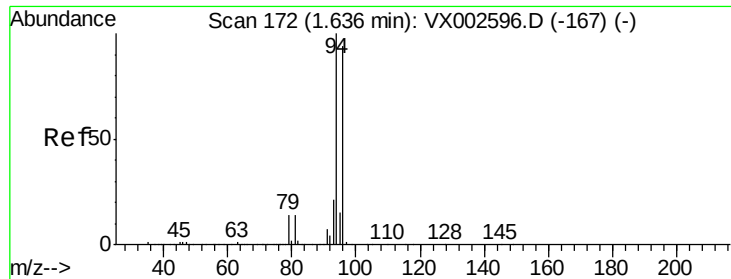
52 18.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.50 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

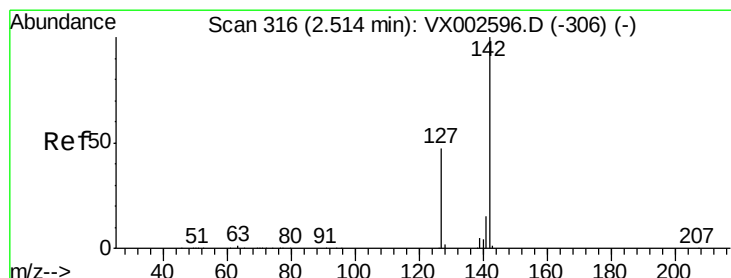
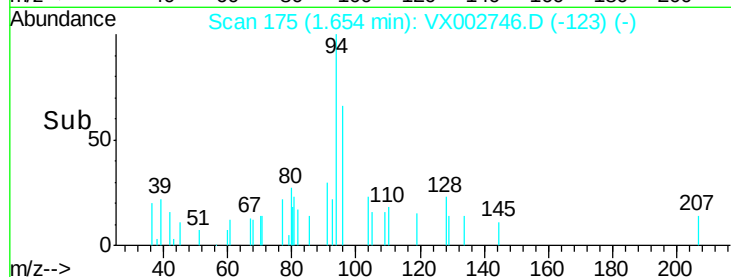
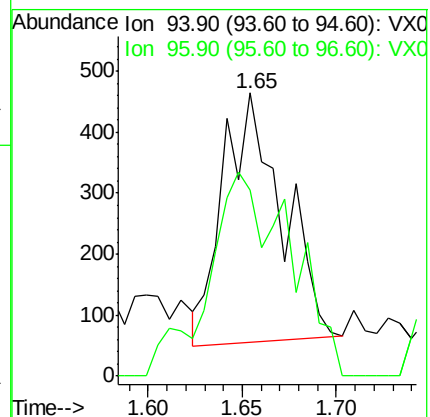
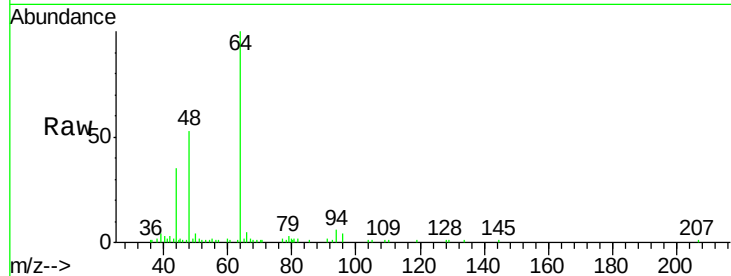
ClientSampled :

Tot Ion: 94 Resp: 892

Ion Ratio Lower Upper

94 100

96 76.9 74.9 112.3



#10

Methyl Iodide

Concen: 5.62 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

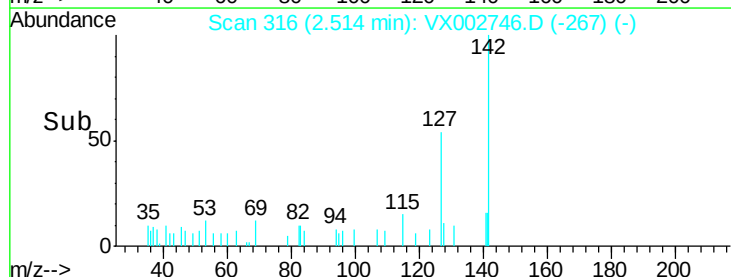
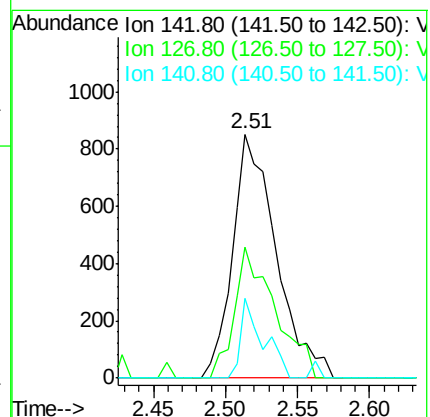
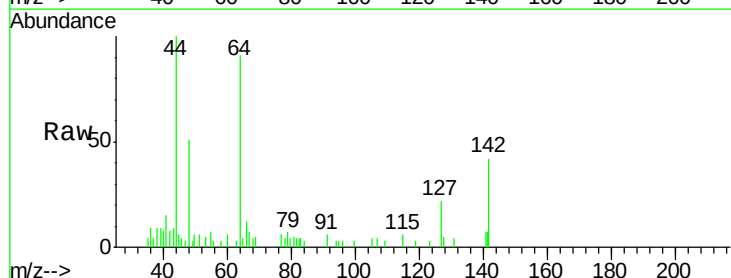
Tgt Ion: 142 Resp: 1791

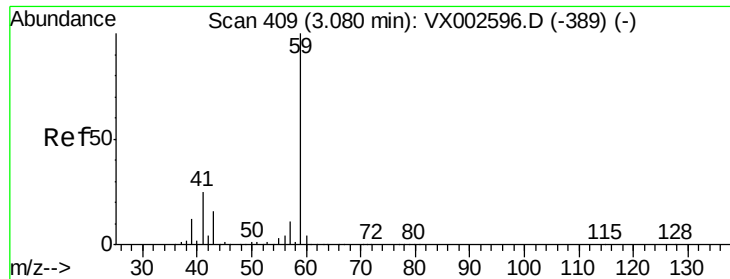
Ion Ratio Lower Upper

142 100

127 50.4 36.6 55.0

141 16.9 11.3 16.9

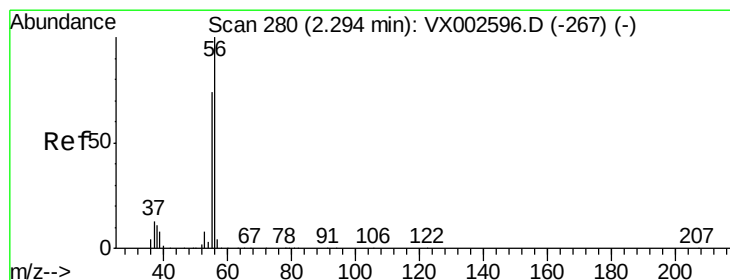
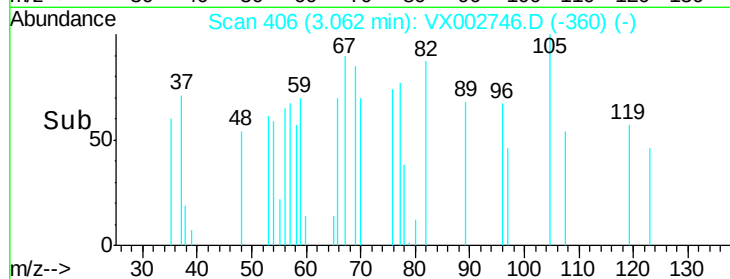
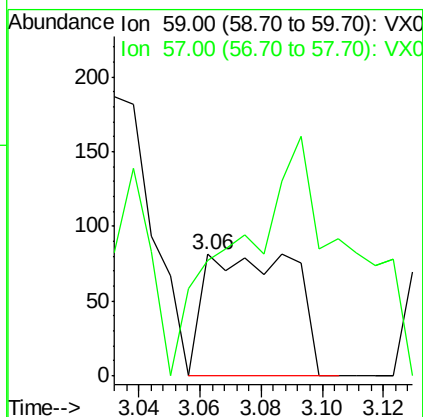
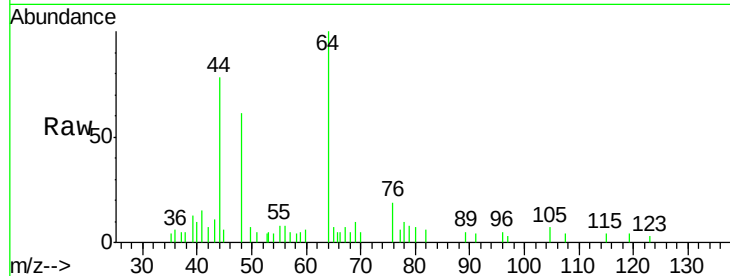




#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002746.D
Acq: 20 Jun 2018 17:13

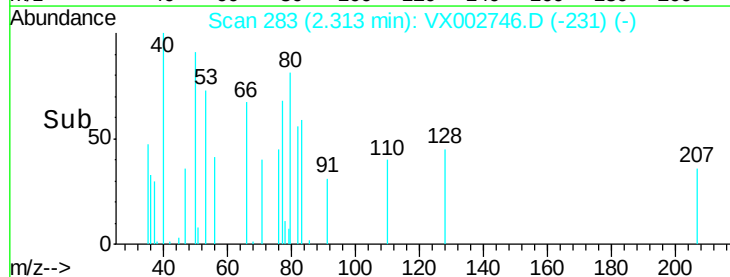
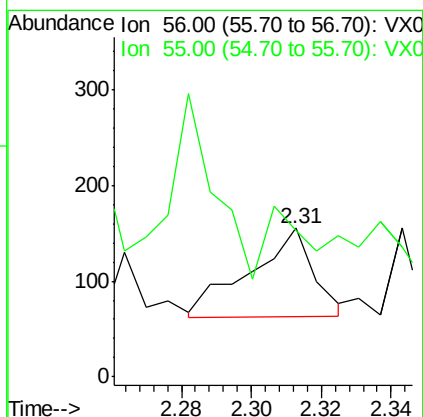
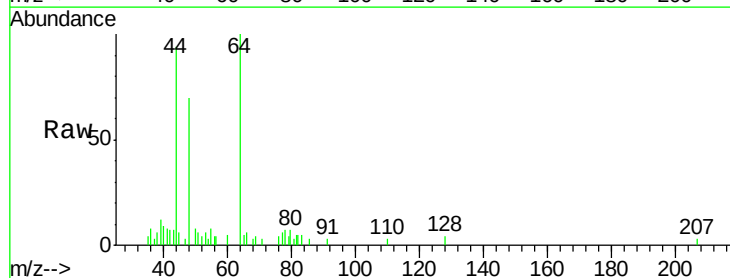
Instrument :
MSVOA_X
ClientSampled :

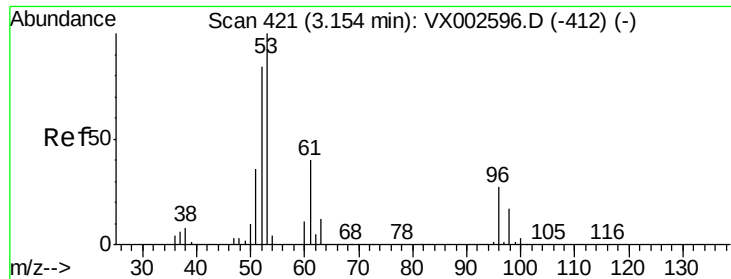
Tot Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 7.21 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.02 min
Lab File: VX002746.D
Acq: 20 Jun 2018 17:13

Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 48.3 57.0 85.4#





#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :
MSVOA_X
ClientSampled :

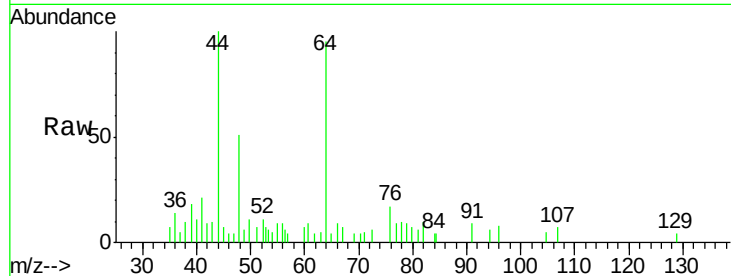
Tot Ion: 53 Resp: 548

Ion Ratio Lower Upper

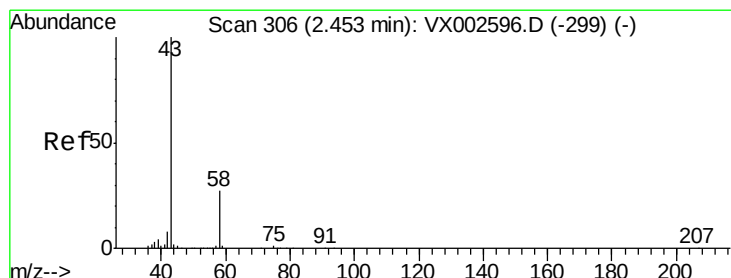
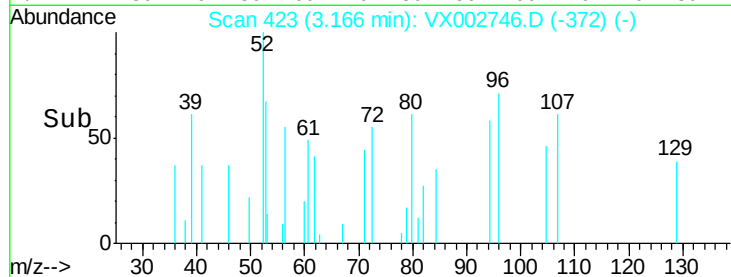
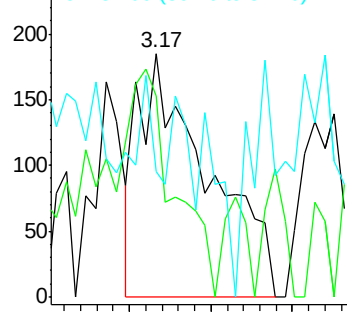
53 100

52 98.4 66.7 100.1

51 8.9 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002746.D

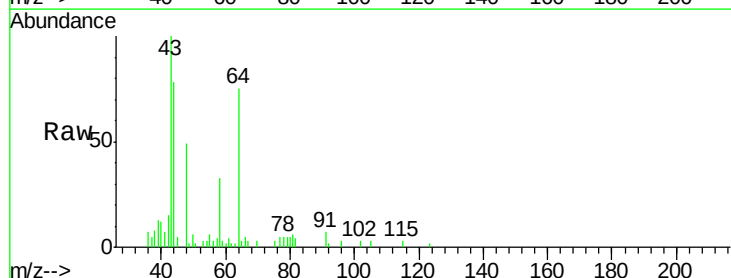
Acq: 20 Jun 2018 17:13

Tgt Ion: 43 Resp: 4306

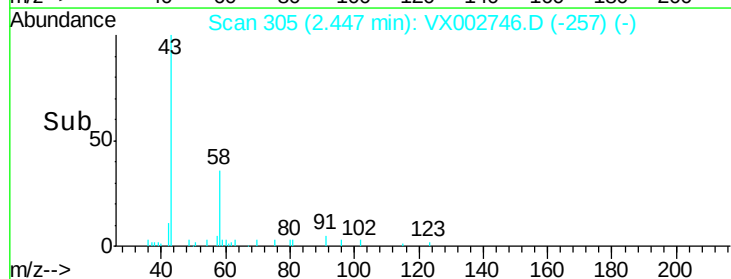
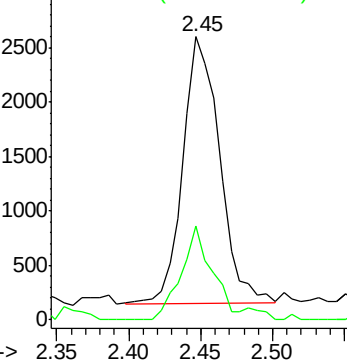
Ion Ratio Lower Upper

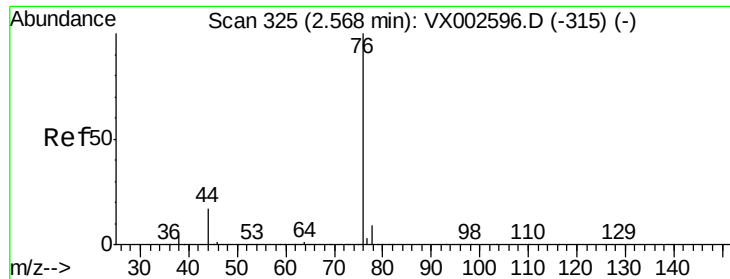
43 100

58 35.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

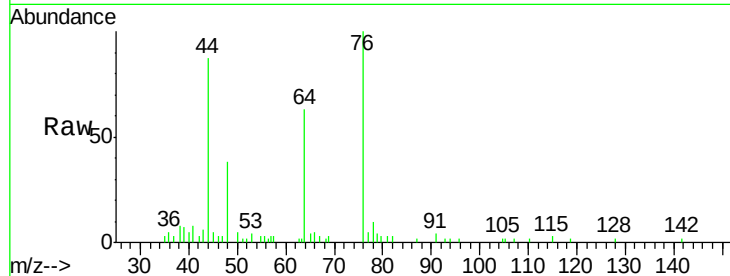
ClientSampled :

Tot Ion: 76 Resp: 5590

Ion Ratio Lower Upper

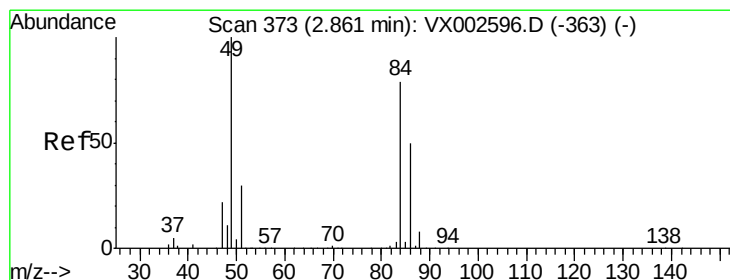
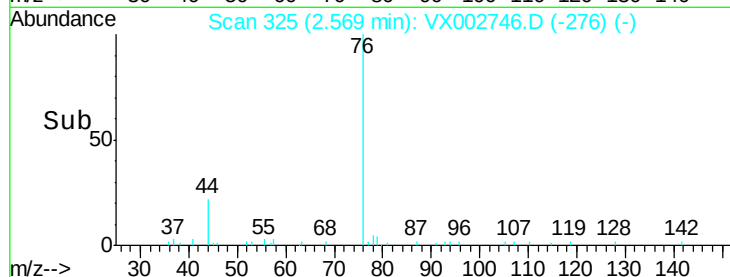
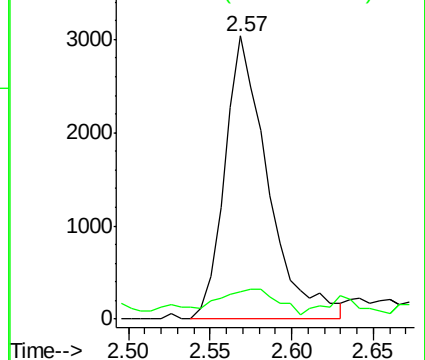
76 100

78 5.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Tgt Ion: 84 Resp: 999

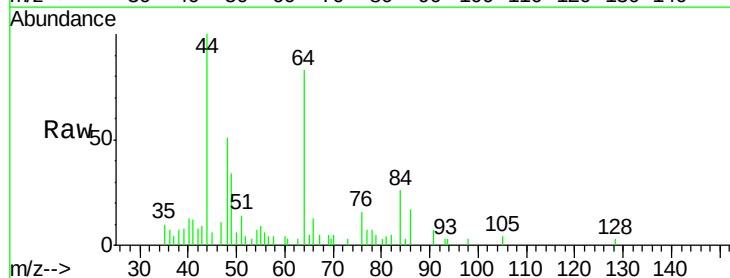
Ion Ratio Lower Upper

84 100

49 131.1 107.8 161.6

51 34.8 32.8 49.2

86 66.9 52.5 78.7

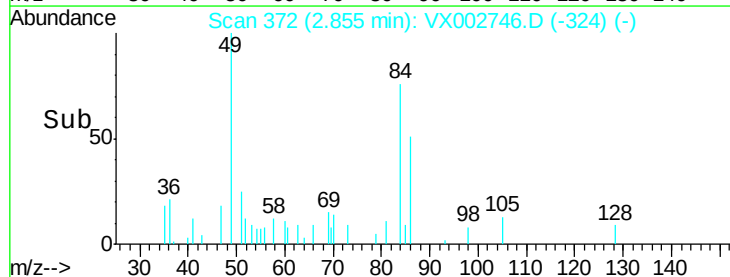
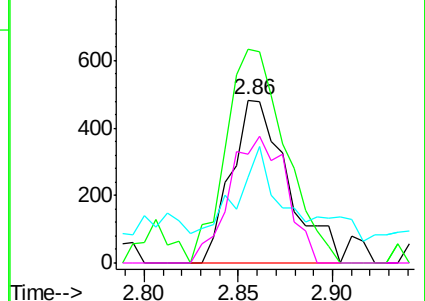


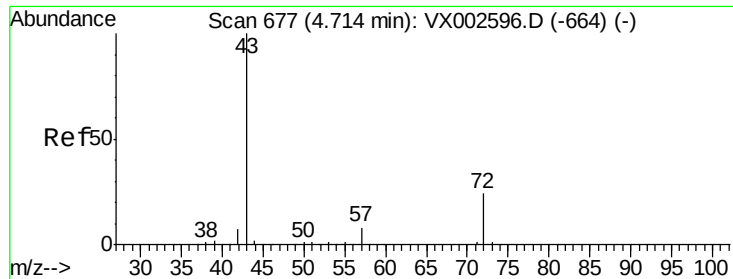
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

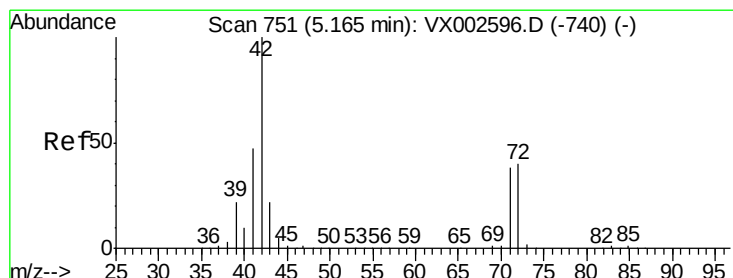
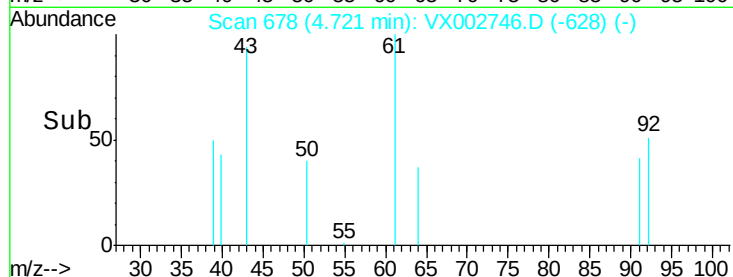
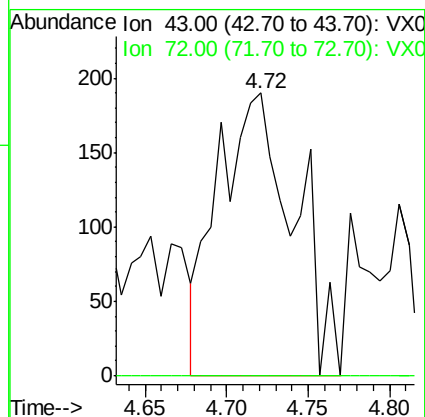
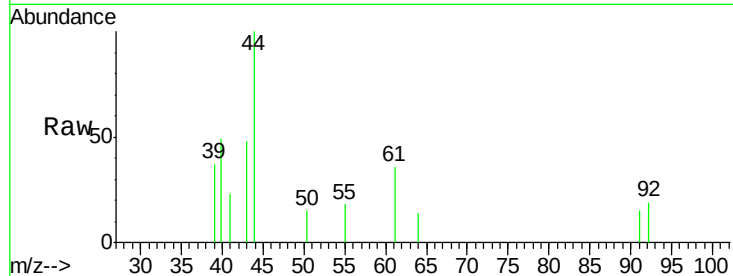
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

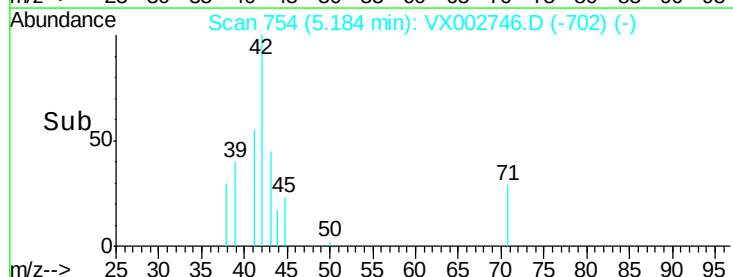
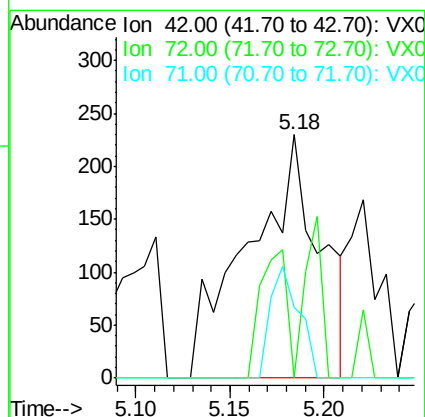
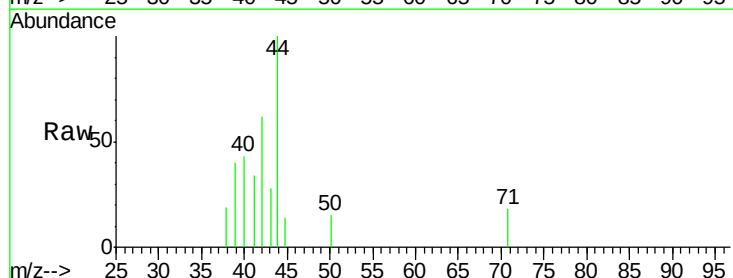
Tgt Ion: 42 Resp: 605

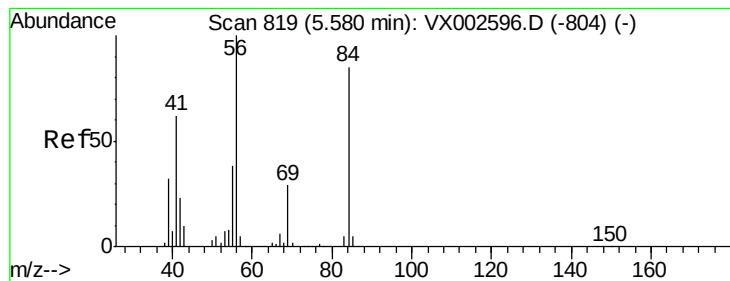
Ion Ratio Lower Upper

42 100

72 19.3 32.0 48.0#

71 18.5 30.1 45.1#





#31

Cyclohexane

Concen: 1.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

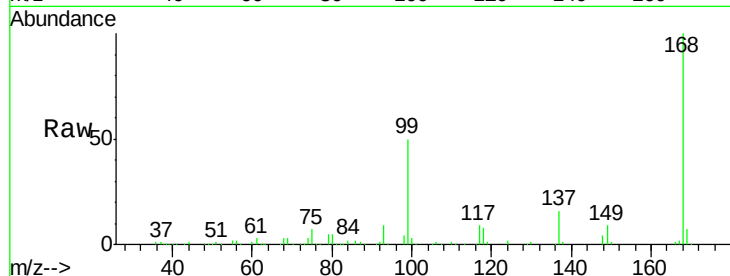
Tot Ion: 56 Resp: 4706

Ion Ratio Lower Upper

56 100

69 139.0 23.7 35.5#

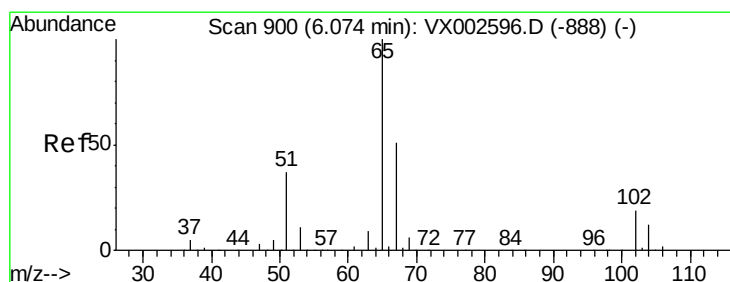
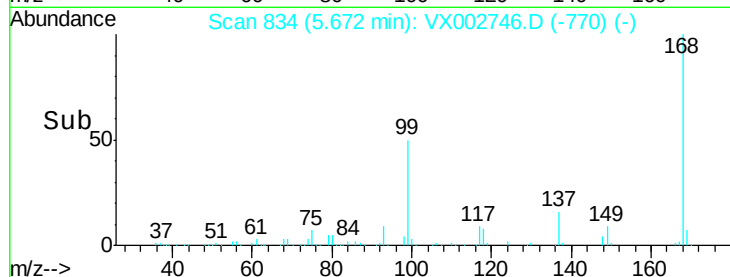
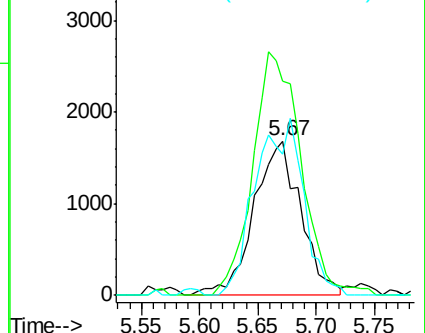
84 86.9 64.1 96.1



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



#33

1,2-Dichloroethane-d4

Concen: 43.47 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002746.D

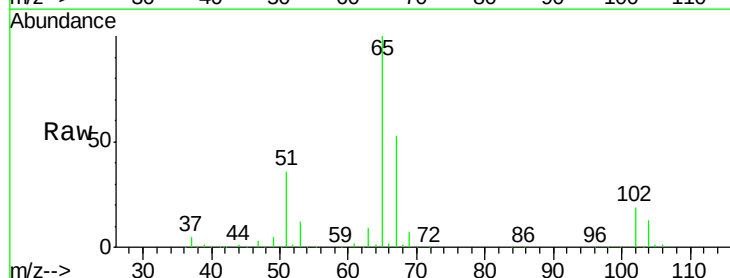
Acq: 20 Jun 2018 17:13

Tgt Ion: 65 Resp: 150255

Ion Ratio Lower Upper

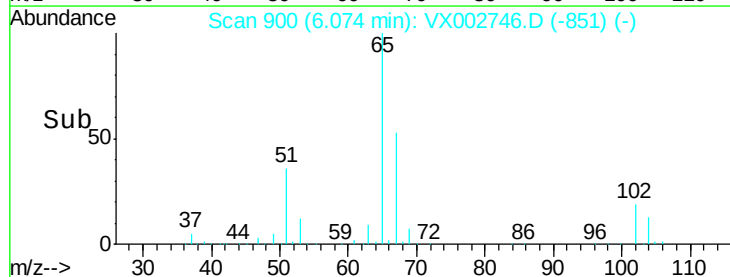
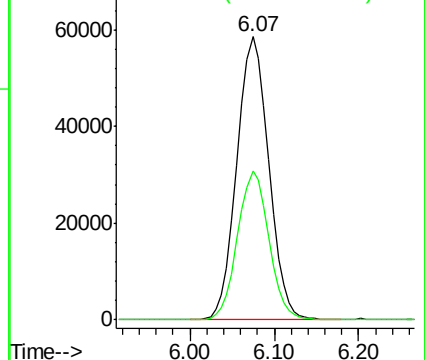
65 100

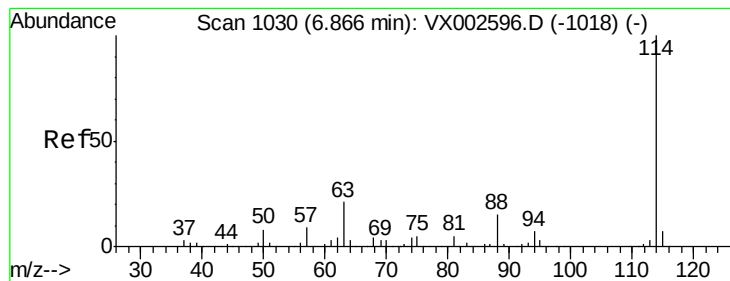
67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :
MSVOA_X
ClientSampleId :

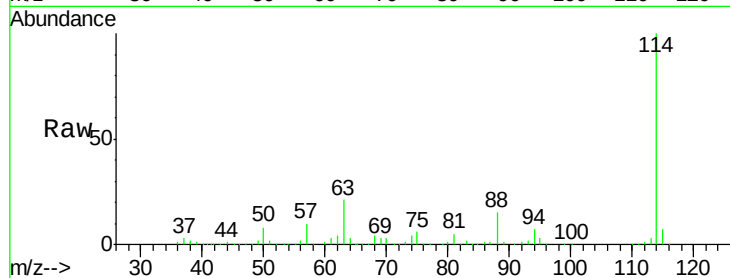
Tot Ion:114 Resp: 319125

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

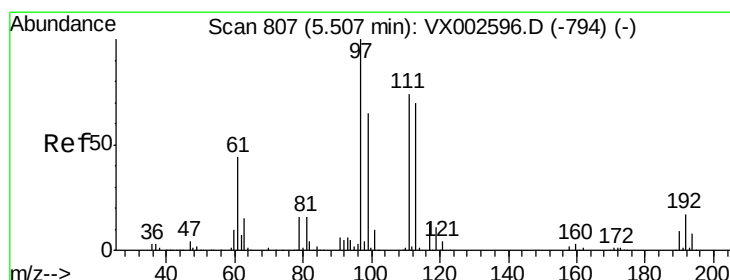
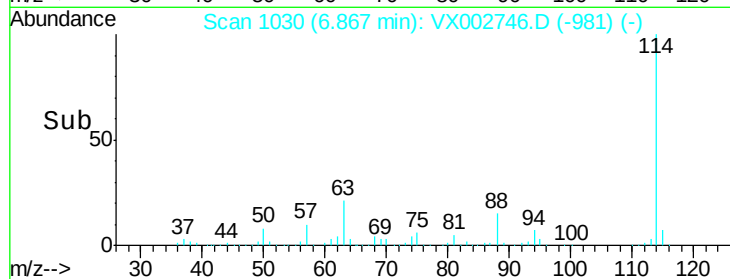
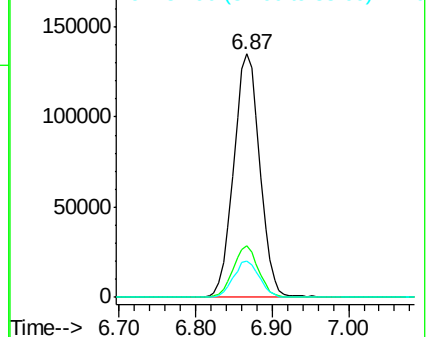
88 15.0 0.0 30.0



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: 47.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

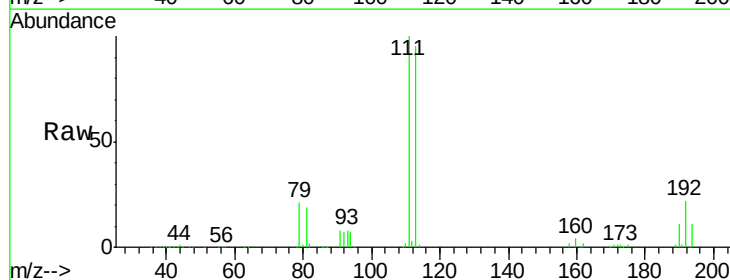
Tgt Ion:113 Resp: 120349

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

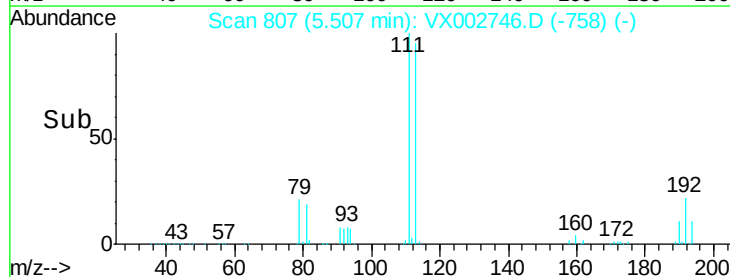
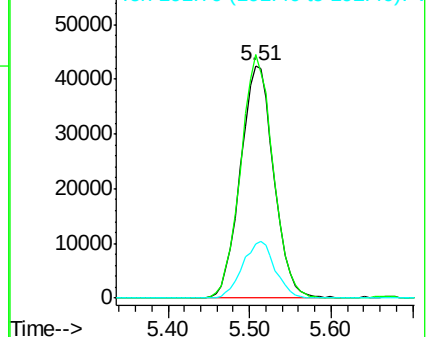
192 23.9 19.1 28.7

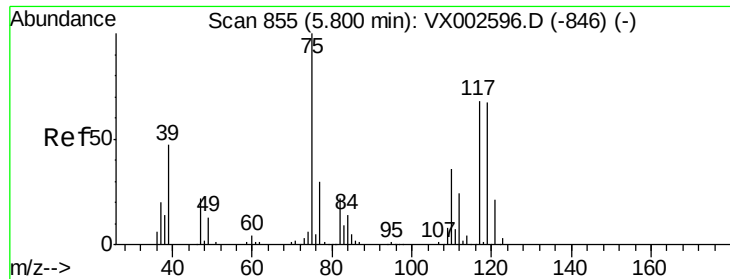


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

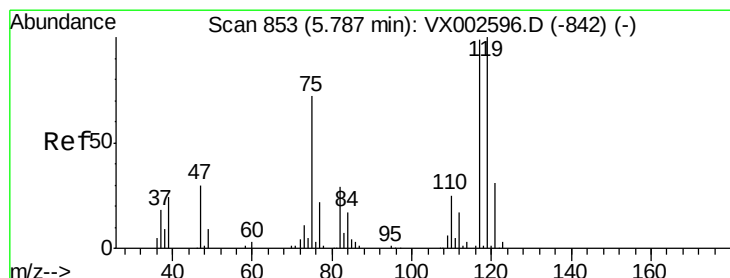
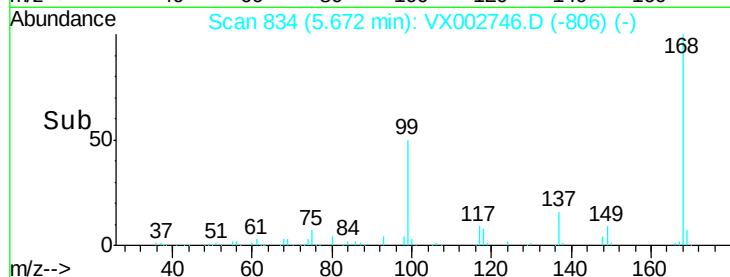
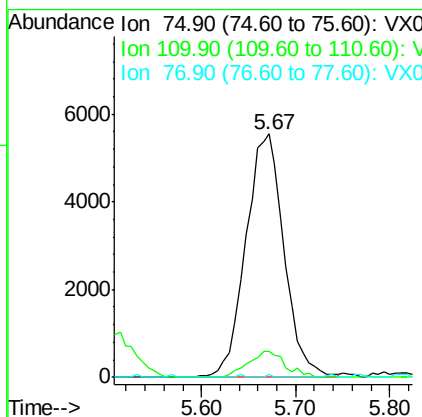
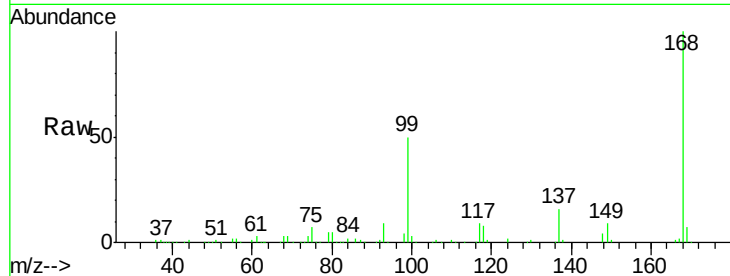




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002746.D
 Acq: 20 Jun 2018 17:13

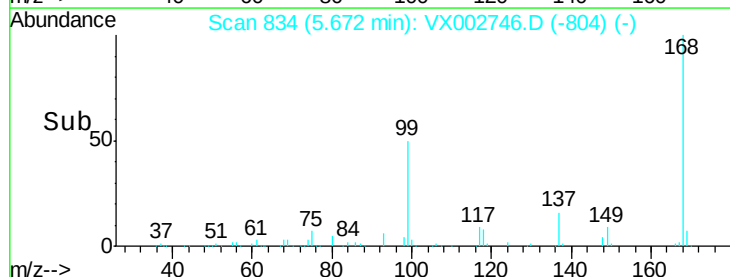
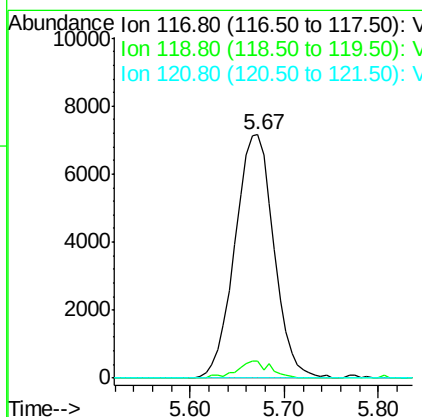
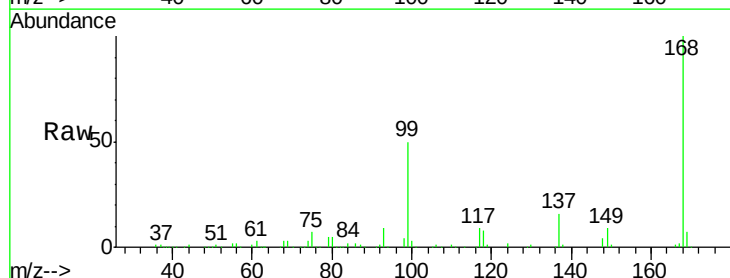
Instrument :
 MSVOA_X
 ClientSampleId :

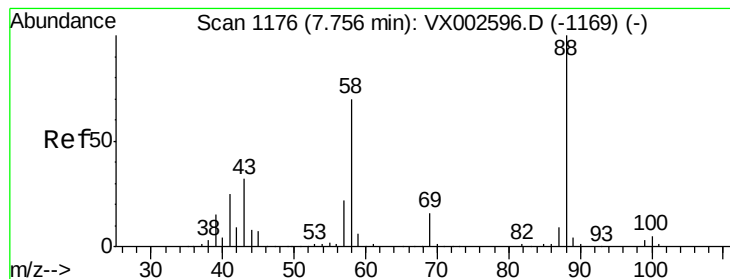
Tot Ion	75	Resp	15766
Ion Ratio	100	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.13 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002746.D
 Acq: 20 Jun 2018 17:13

Tgt Ion	117	Resp	20705
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.8	77.4	116.0#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 0.34 ug/l

RT: 7.61 min Scan# 1152

Delta R.T. -0.15 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

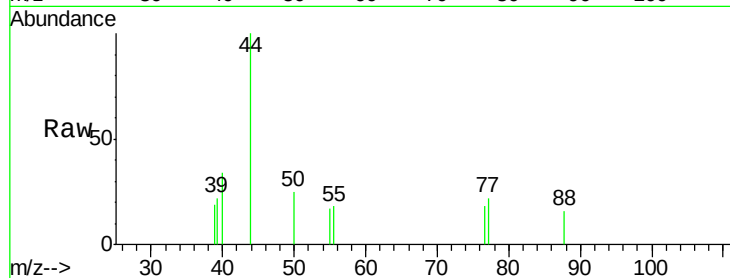
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 347.6 29.8 44.6#

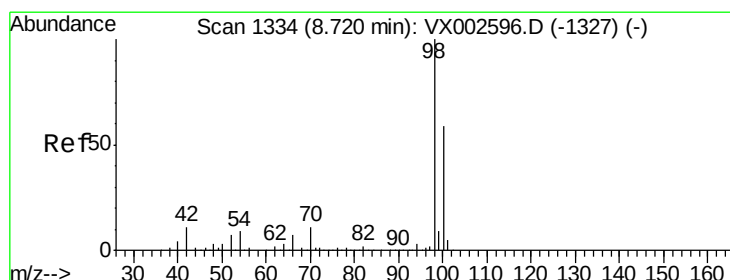
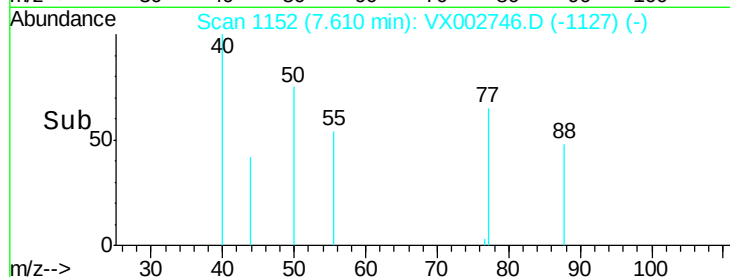
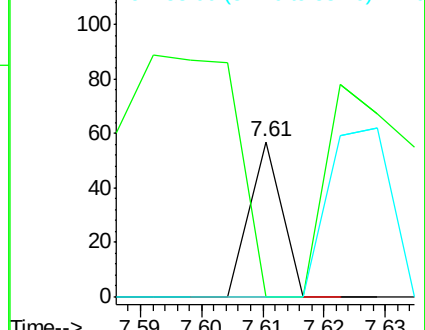
58 209.5 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.41 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002746.D

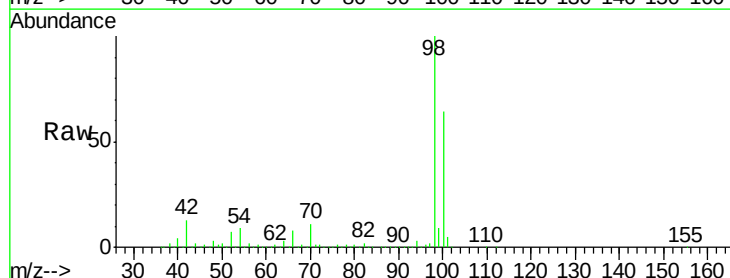
Acq: 20 Jun 2018 17:13

Tgt Ion: 98 Resp: 448822

Ion Ratio Lower Upper

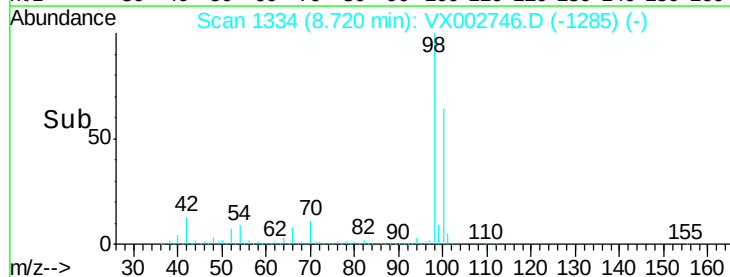
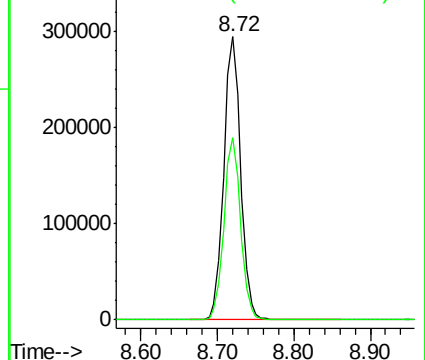
98 100

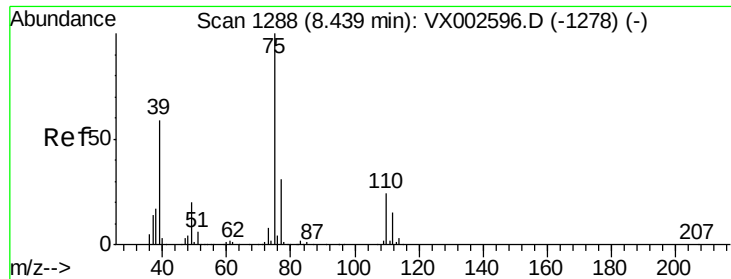
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

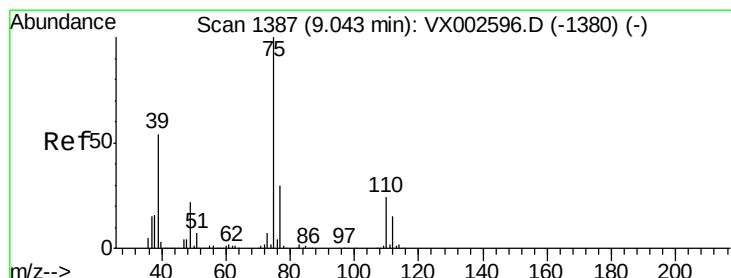
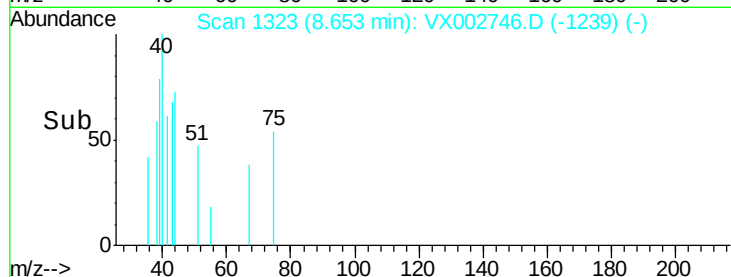
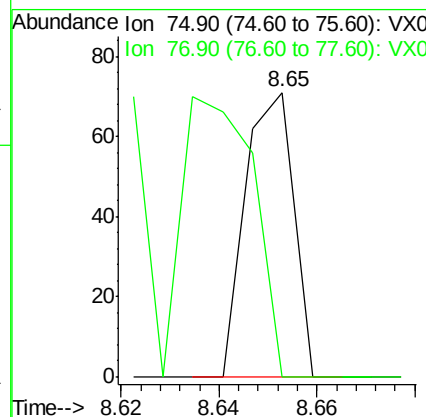
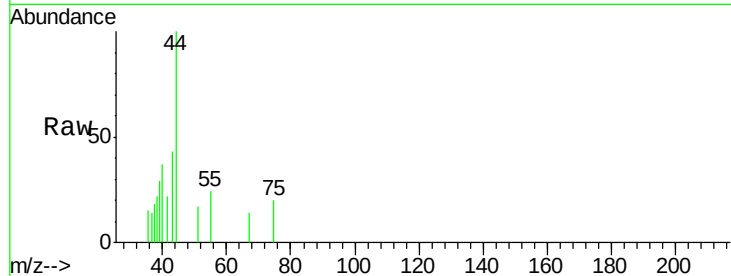




#53
 t-1,3-Dichloropropene
 Concen: 2.40 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: VX002746.D
 Acq: 20 Jun 2018 17:13

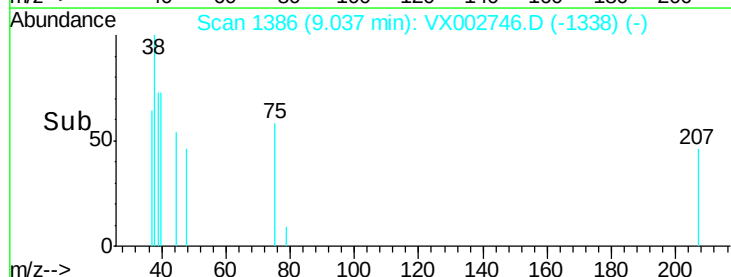
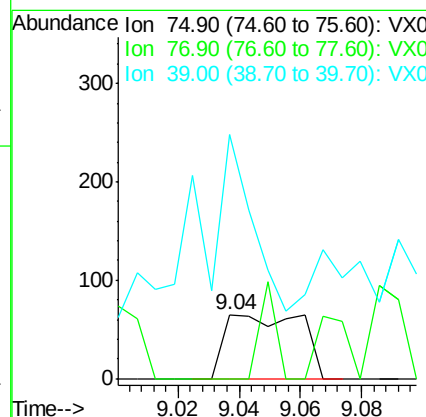
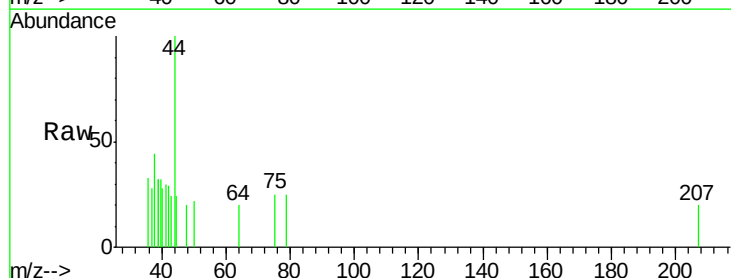
Instrument :
 MSVOA_X
 ClientSampled :

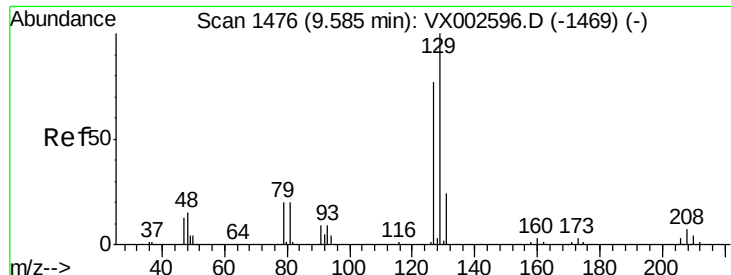
Tot Ion: 75 Resp: 49
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 3.24 ug/l
 RT: 9.04 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: VX002746.D
 Acq: 20 Jun 2018 17:13

Tgt Ion: 75 Resp: 112
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 64.6 42.4 63.6#





#60

Dibromochloromethane

Concen: 3.78 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

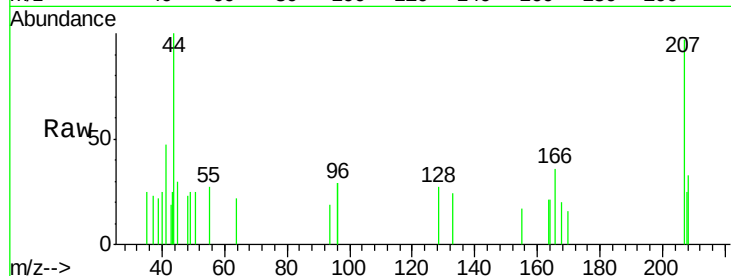
ClientSampleId :

Tot Ion:129 Resp: 72

Ion Ratio Lower Upper

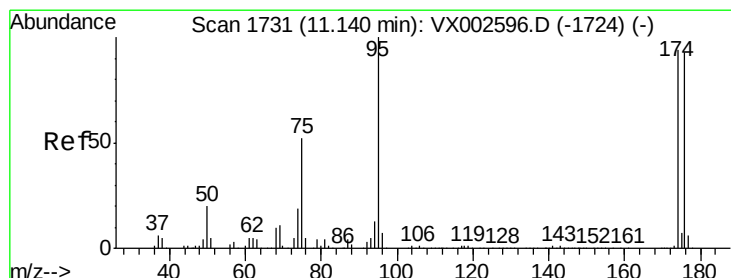
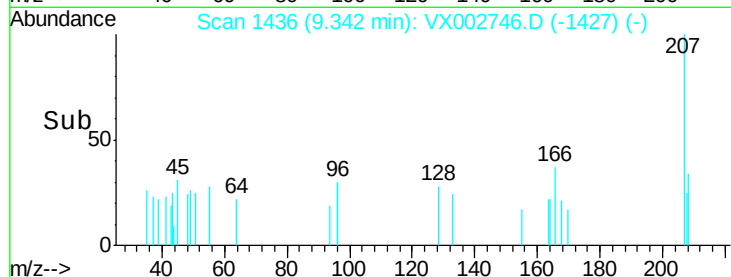
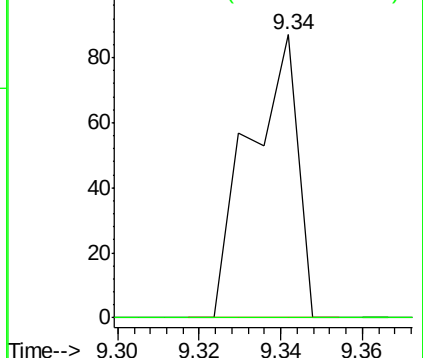
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

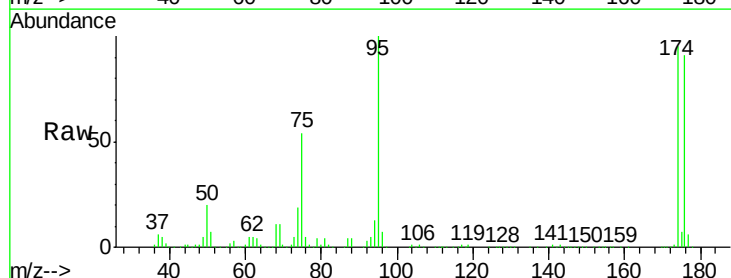
Tgt Ion: 95 Resp: 158868

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

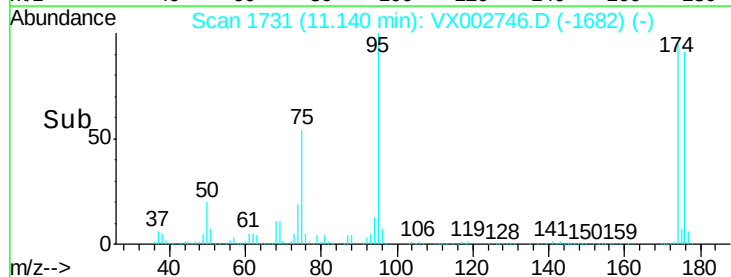
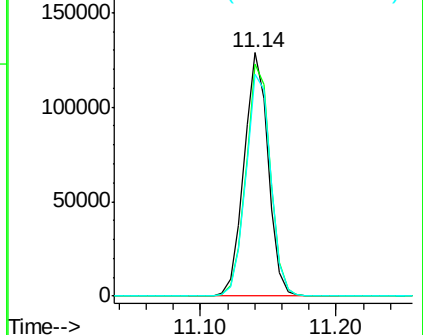
176 94.5 0.0 181.0

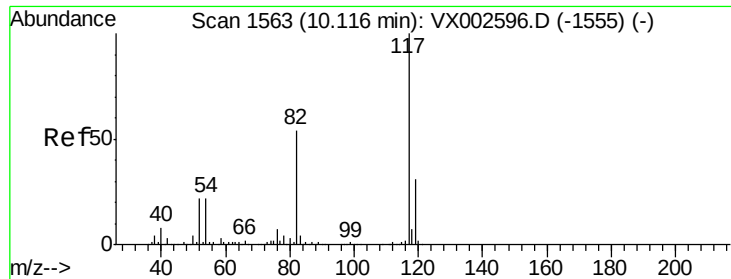


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

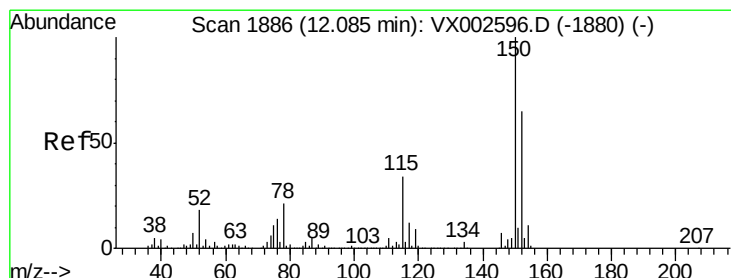
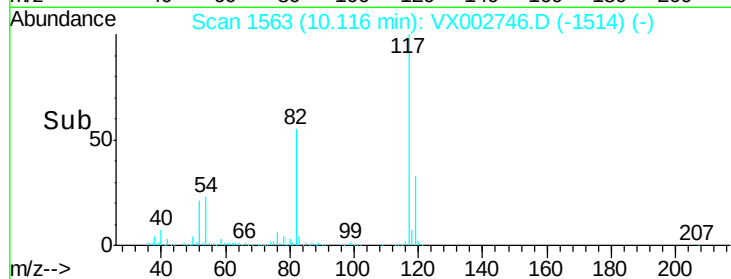
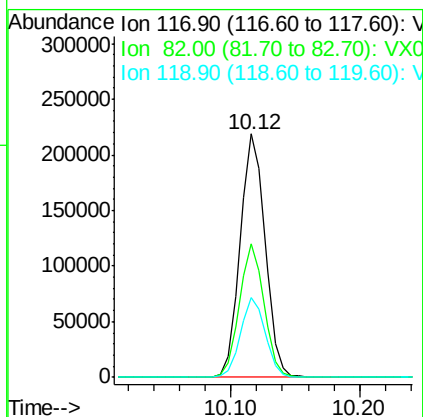
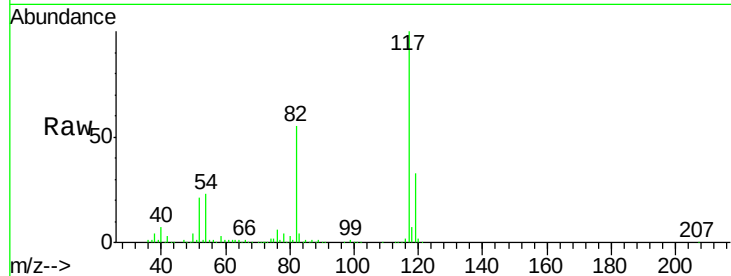




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002746.D
Acq: 20 Jun 2018 17:13

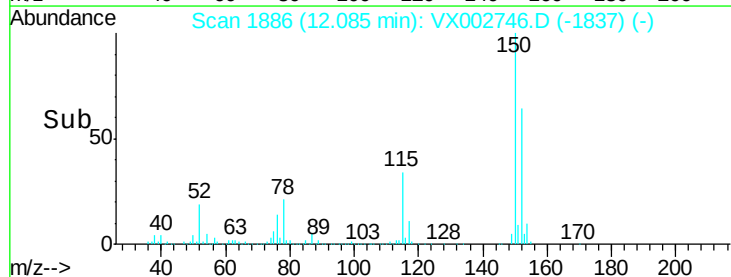
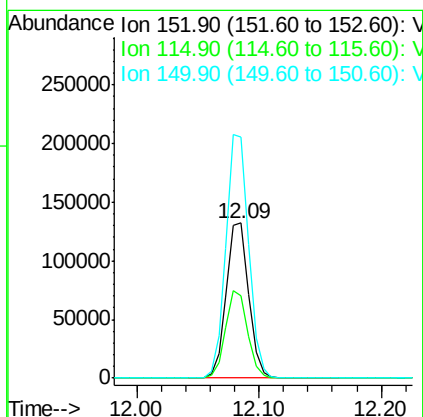
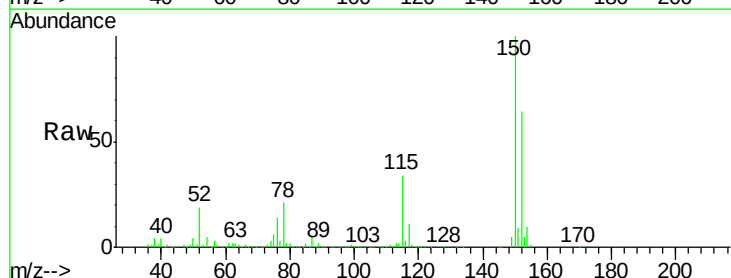
Instrument :
MSVOA_X
ClientSampled :

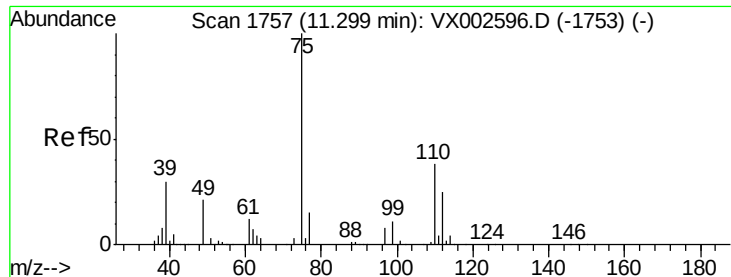
Tot Ion:117 Resp: 293683
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002746.D
Acq: 20 Jun 2018 17:13

Tgt Ion:152 Resp: 167500
Ion Ratio Lower Upper
152 100
115 55.7 40.1 120.2
150 158.6 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

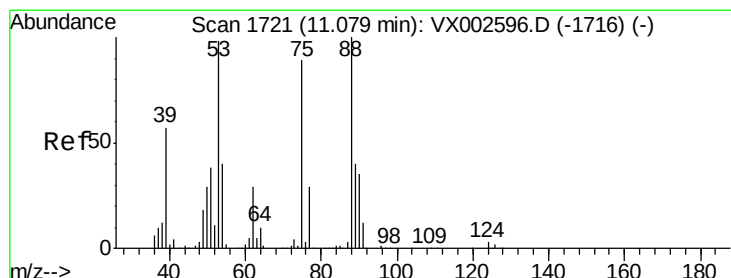
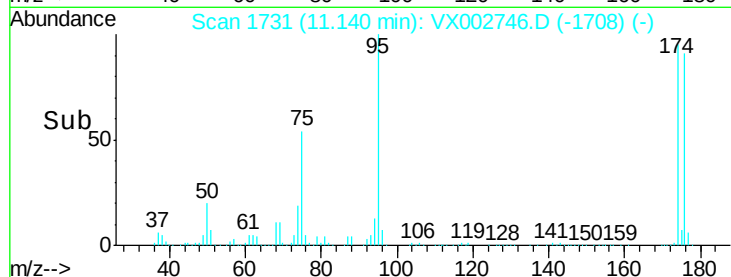
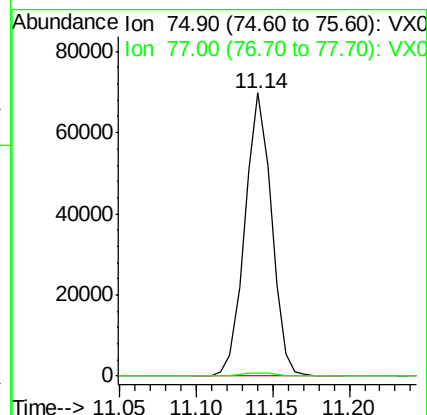
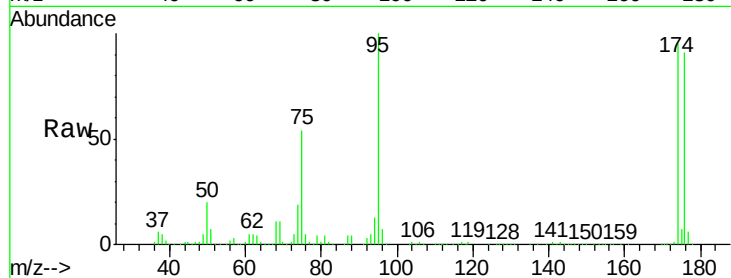
ClientSampleId :

Tot Ion: 75 Resp: 84271

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

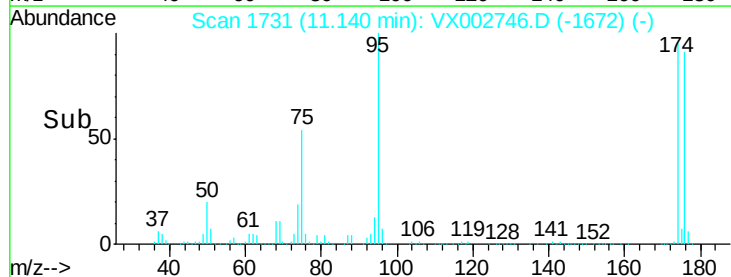
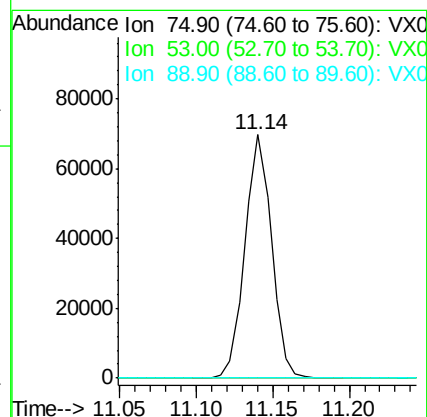
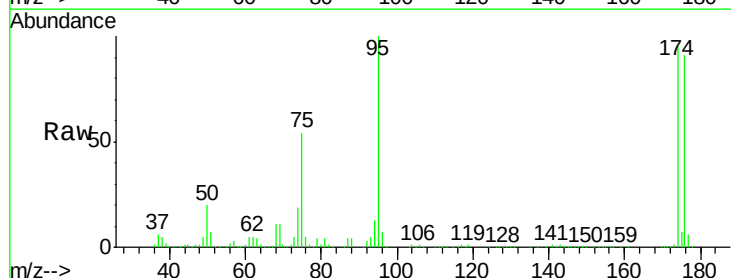
Tgt Ion: 75 Resp: 84271

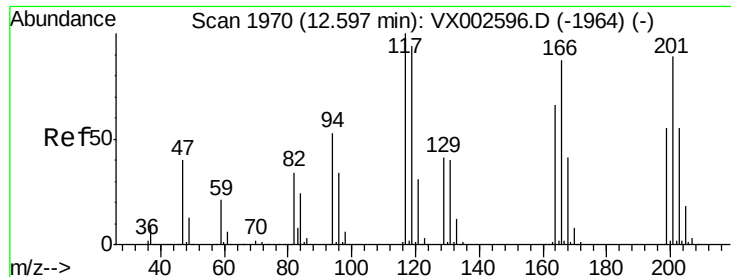
Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.68 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002746.D

Acq: 20 Jun 2018 17:13

Instrument :

MSVOA_X

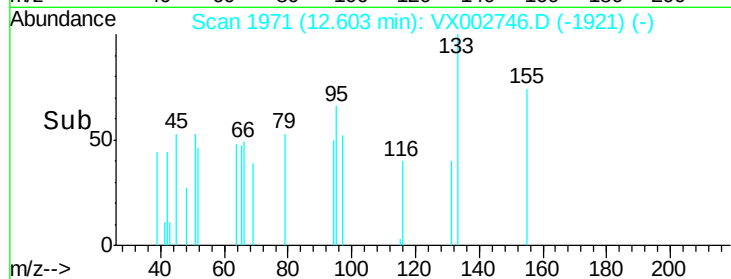
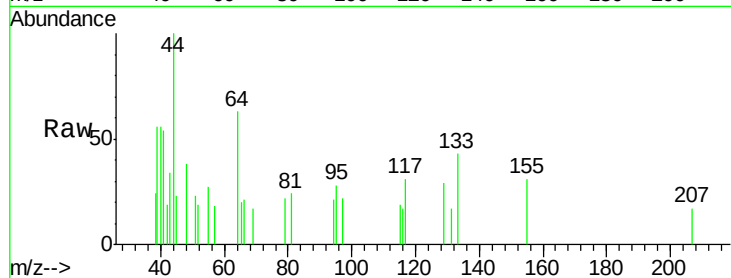
ClientSampleId :

Tot Ion:117 Resp: 97

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

