

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002838.D
 Acq On : 22 Jun 2018 18:40
 Operator : JC/MD
 Sample : J3631-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:25:35 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	218918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156493	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	147304	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
35) Dibromofluoromethane	5.50	113	115441	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
50) Toluene-d8	8.72	98	431780	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.14	95	149716	42.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.98%	

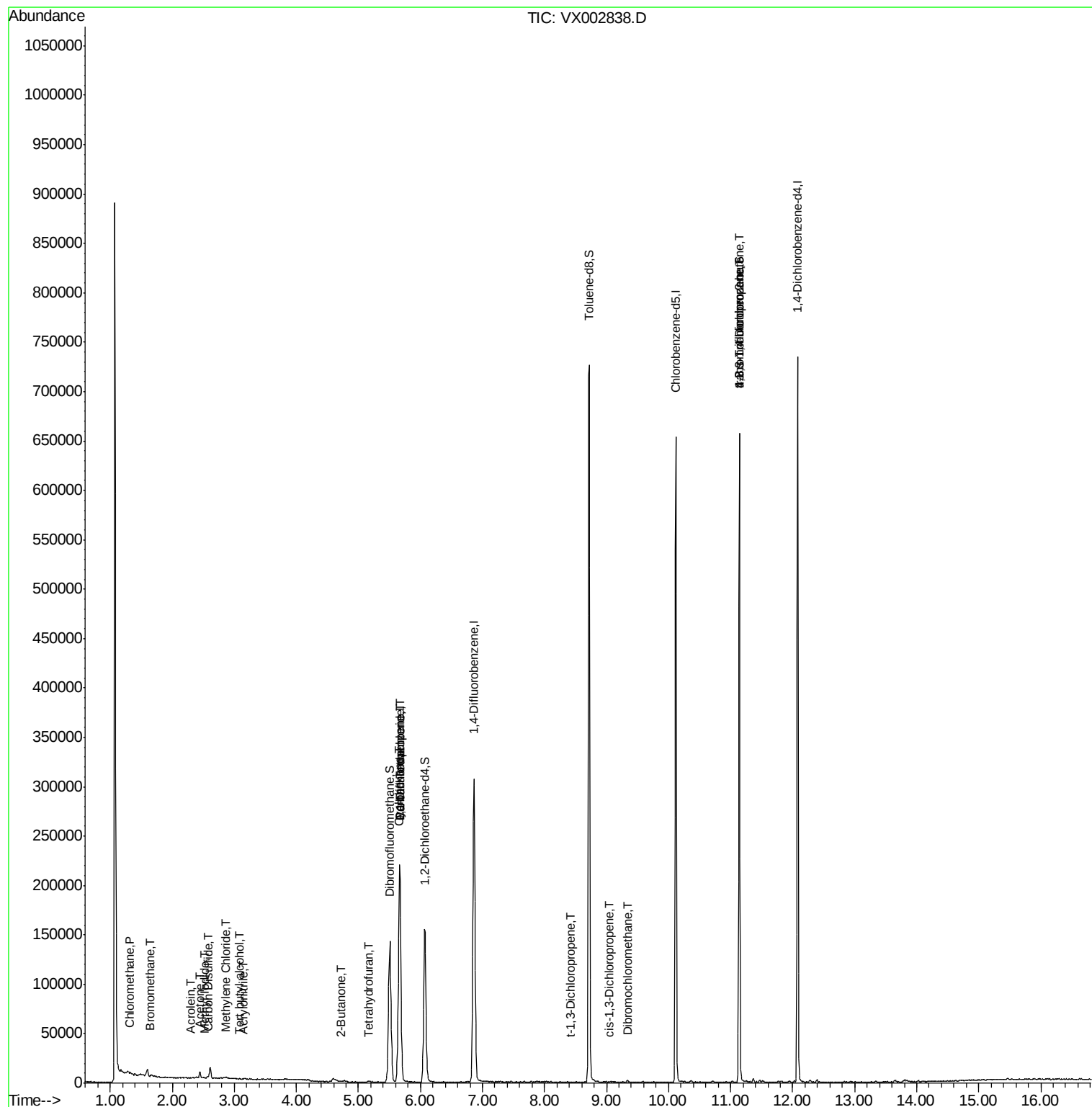
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1018	0.37	ug/l	97
5) Bromomethane	1.65	94	994	0.57	ug/l	94
10) Methyl Iodide	2.52	142	1162	5.48	ug/l	97
11) Tert butyl alcohol	3.08	59	280	0.41	ug/l #	88
13) Acrolein	2.29	56	270	7.68	ug/l #	48
15) Acrylonitrile	3.14	53	556	0.37	ug/l #	33
16) Acetone	2.45	43	7000	4.77	ug/l	90
17) Carbon Disulfide	2.57	76	1616	0.28	ug/l #	64
20) Methylene Chloride	2.86	84	966	0.32	ug/l #	63
25) 2-Butanone	4.71	43	396	0.21	ug/l #	82
29) Tetrahydrofuran	5.16	42	798	0.63	ug/l #	65
31) Cyclohexane	5.65	56	4694	1.20	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	15191	4.66	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20448	6.30	ug/l #	16
53) t-1,3-Dichloropropene	8.43	75	44	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.05	75	157	3.25	ug/l #	73
60) Dibromochloromethane	9.34	129	37	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	79018	26.76	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79018	82.64	ug/l #	7

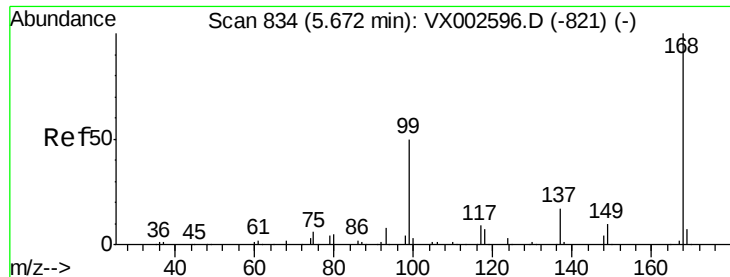
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

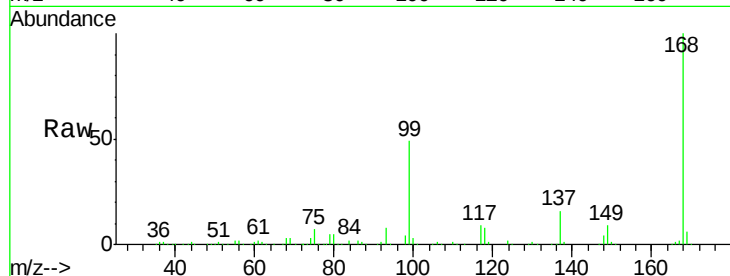
ClientSampleId :

Tot Ion:168 Resp: 218918

Ion Ratio Lower Upper

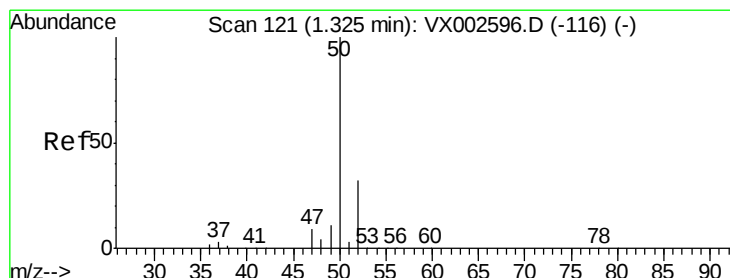
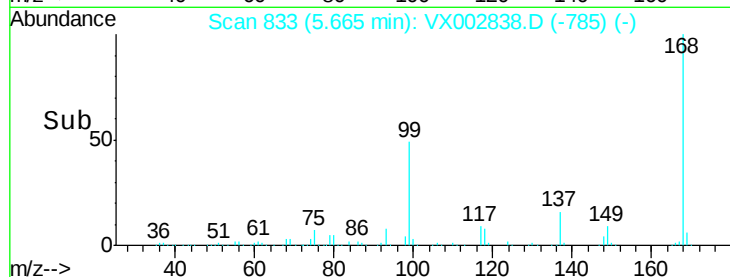
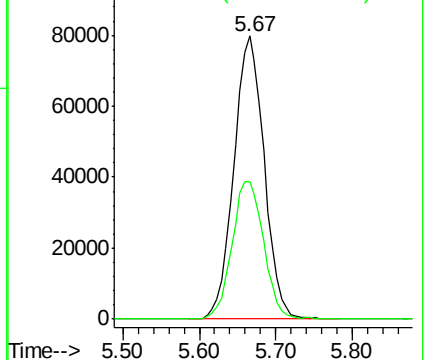
168 100

99 48.6 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: 0.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002838.D

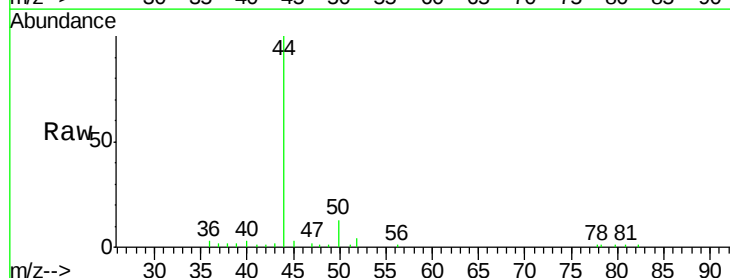
Acq: 22 Jun 2018 18:40

Tgt Ion: 50 Resp: 1018

Ion Ratio Lower Upper

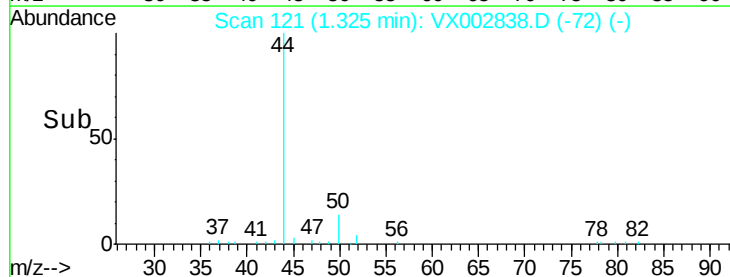
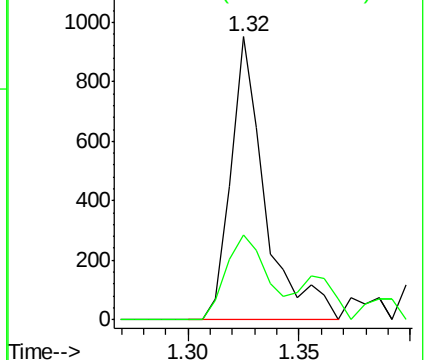
50 100

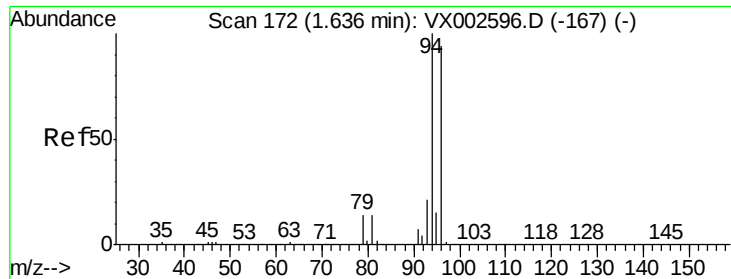
52 30.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.57 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

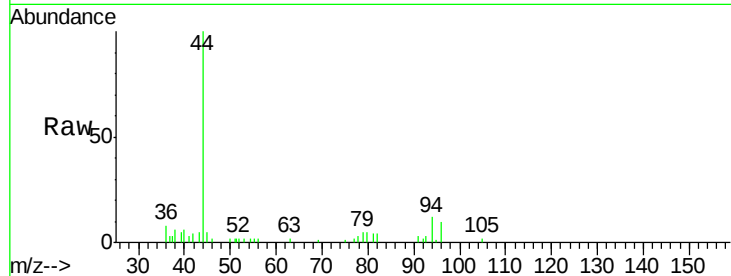
ClientSampleId :

Tot Ion: 94 Resp: 994

Ion Ratio Lower Upper

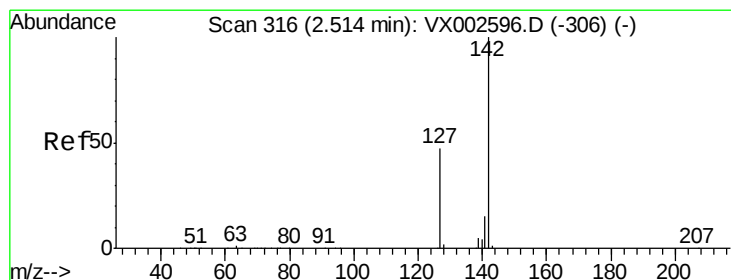
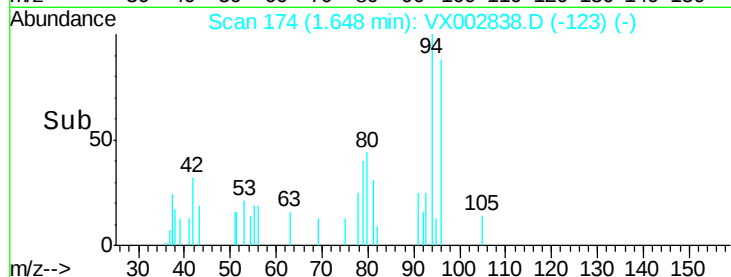
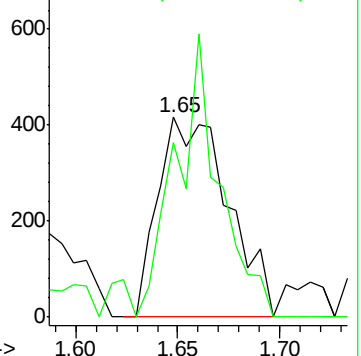
94 100

96 87.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

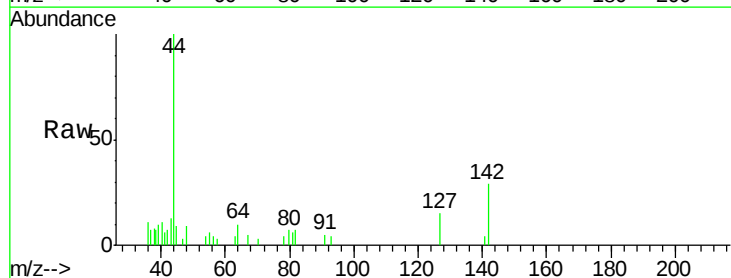
Tgt Ion:142 Resp: 1162

Ion Ratio Lower Upper

142 100

127 47.9 36.6 55.0

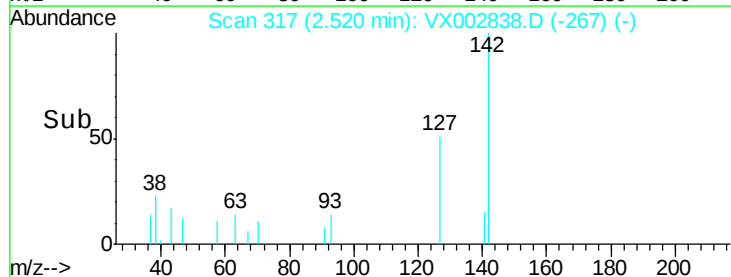
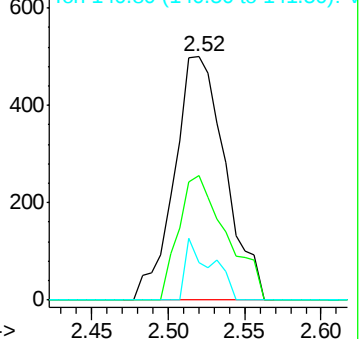
141 13.0 11.3 16.9

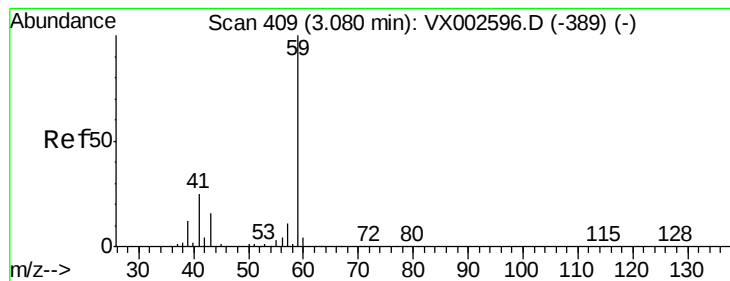


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



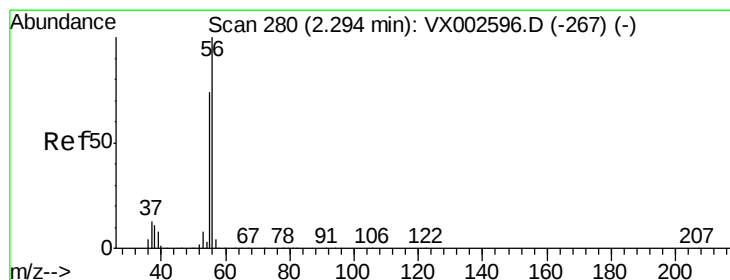
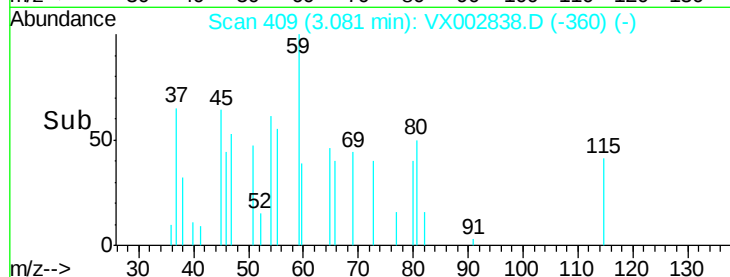
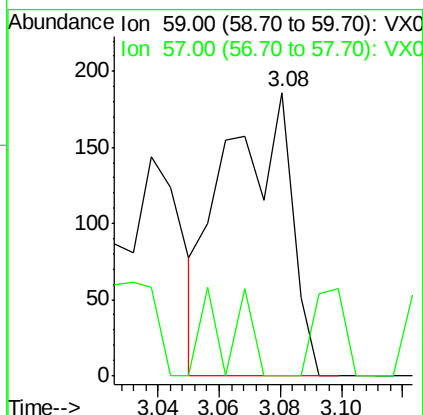
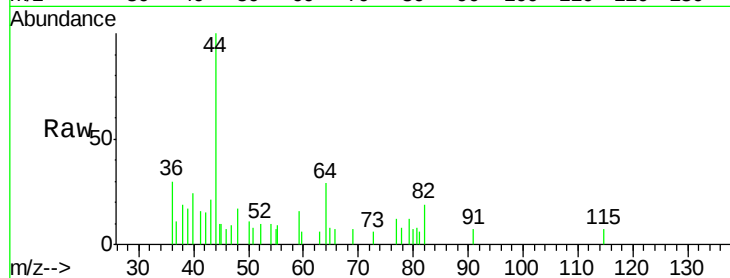


#11

Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Instrument :
MSVOA_X
ClientSampled :

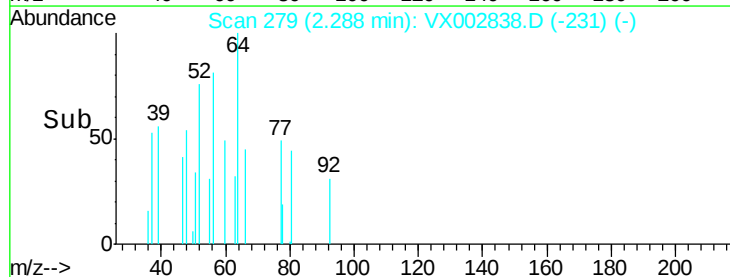
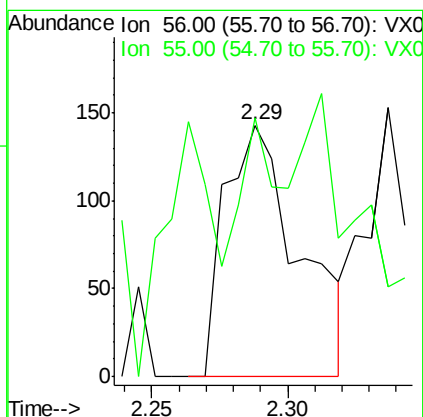
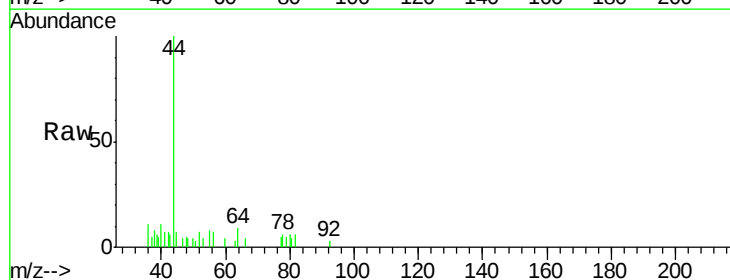
Tot Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 14.6 8.2 12.2#

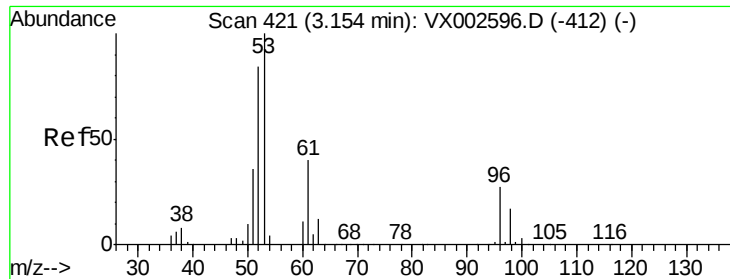


#13

Acrolein
Concen: 7.68 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 28.1 57.0 85.4#

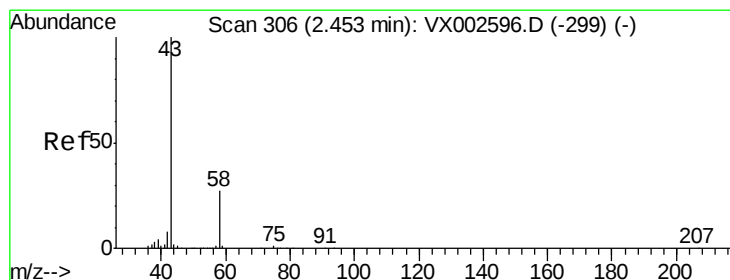
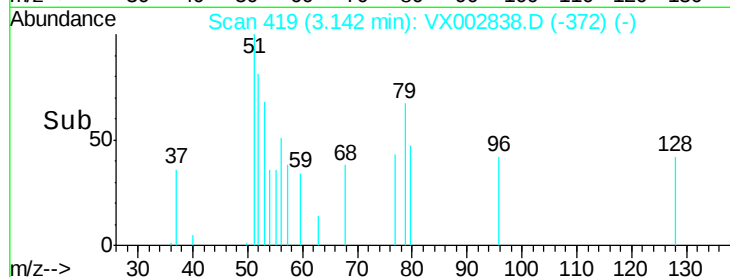
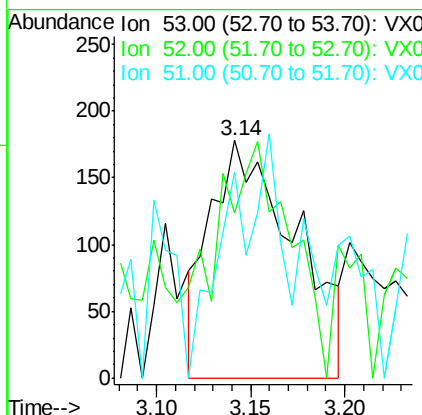
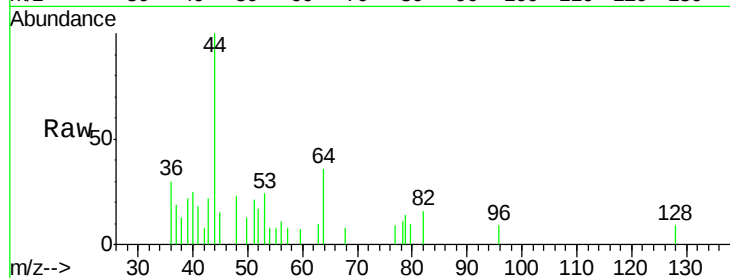




#15
 Acrylonitrile
 Concen: 0.37 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VX002838.D
 Acq: 22 Jun 2018 18:40

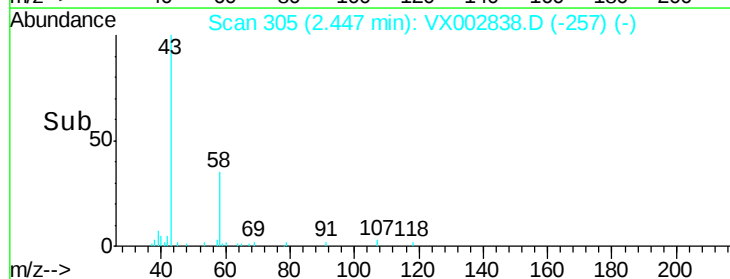
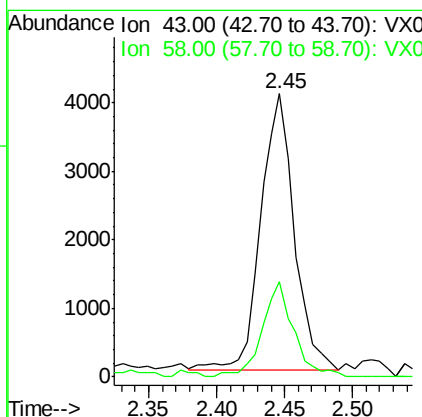
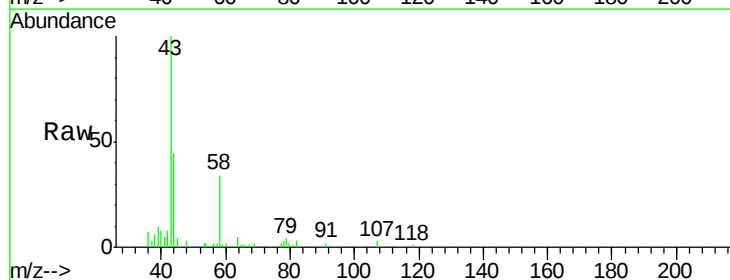
Instrument :
 MSVOA_X
 ClientSampled :

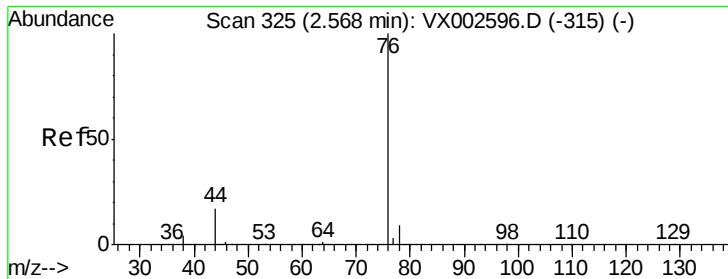
Tot Ion: 53 Resp: 556
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.7 100.1#
 51 31.8 29.9 44.9



#16
 Acetone
 Concen: 4.77 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002838.D
 Acq: 22 Jun 2018 18:40

Tgt Ion: 43 Resp: 7000
 Ion Ratio Lower Upper
 43 100
 58 33.1 22.1 33.1





#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

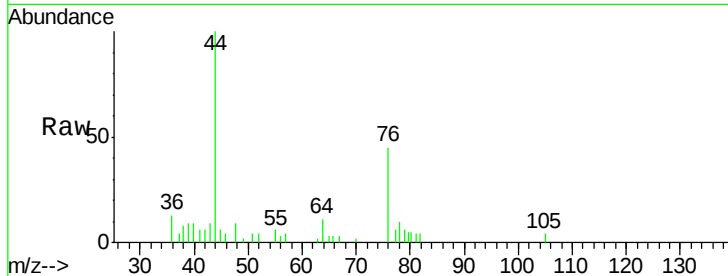
ClientSampled :

Tot Ion: 76 Resp: 1616

Ion Ratio Lower Upper

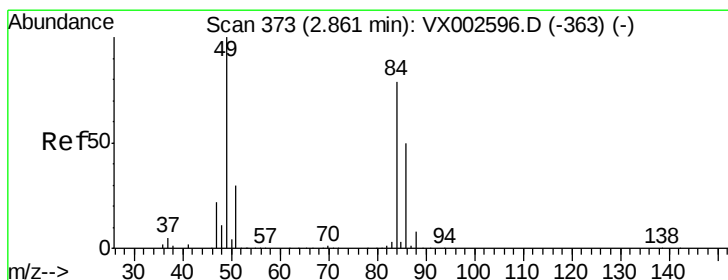
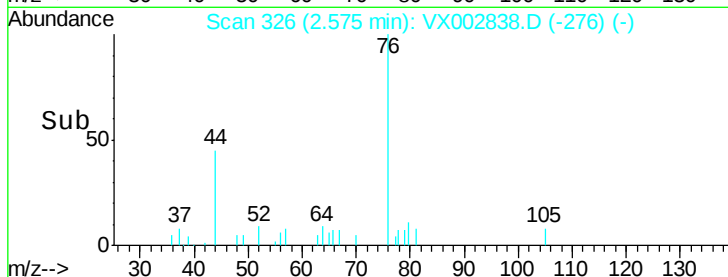
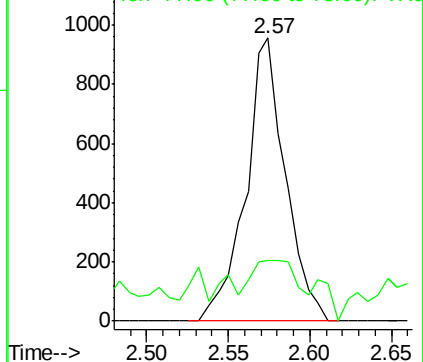
76 100

78 21.3 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# 373

Delta R.T. 0.00 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Tgt Ion: 84 Resp: 966

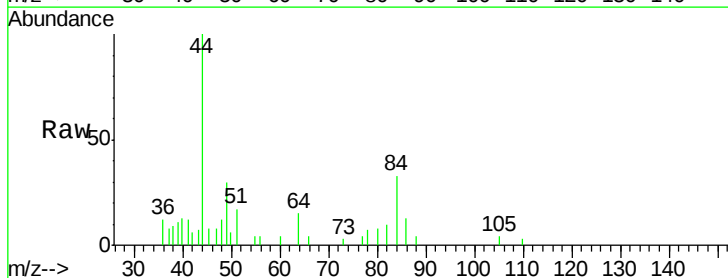
Ion Ratio Lower Upper

84 100

49 79.5 107.8 161.6#

51 49.6 32.8 49.2#

86 39.2 52.5 78.7#

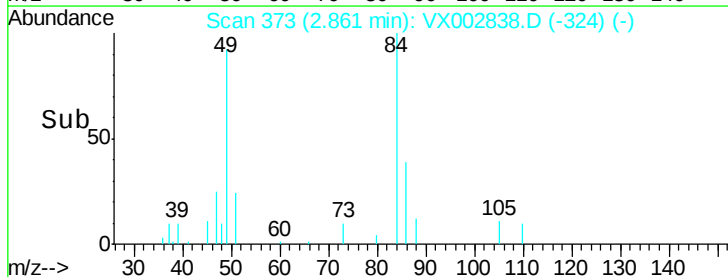
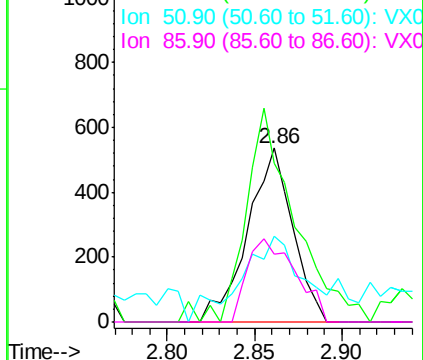


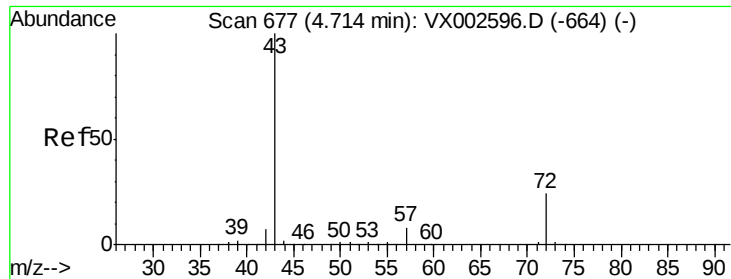
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

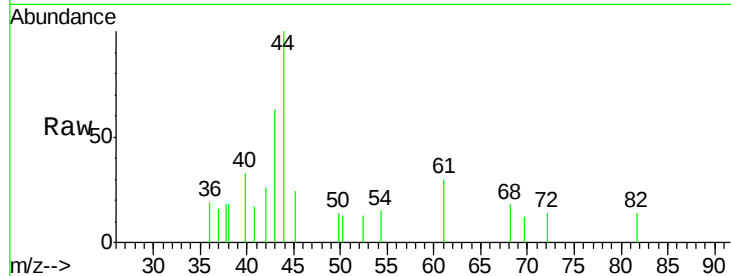
ClientSampled :

Tot Ion: 43 Resp: 396

Ion Ratio Lower Upper

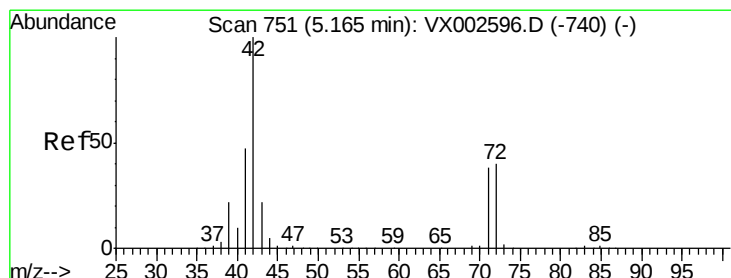
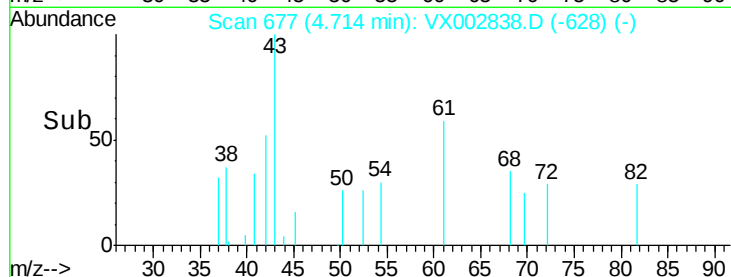
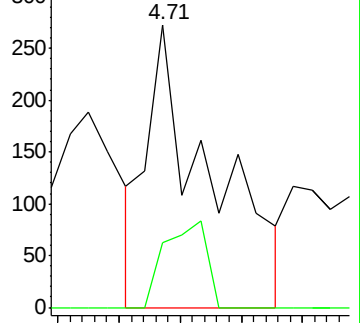
43 100

72 32.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

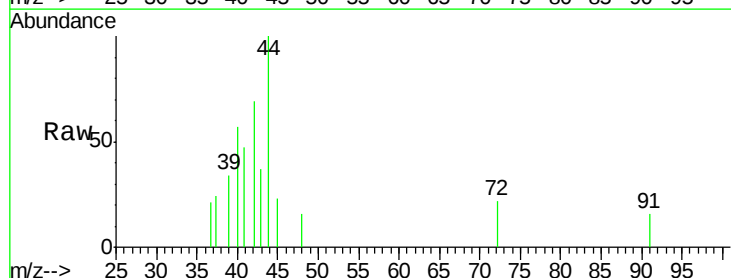
Tgt Ion: 42 Resp: 798

Ion Ratio Lower Upper

42 100

72 17.7 32.0 48.0#

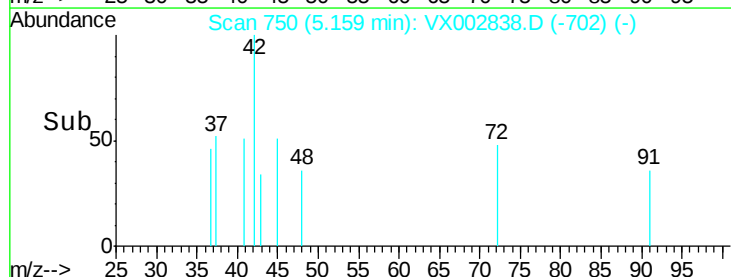
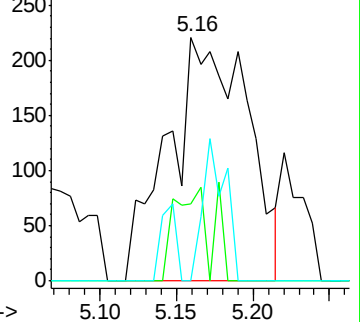
71 16.8 30.1 45.1#

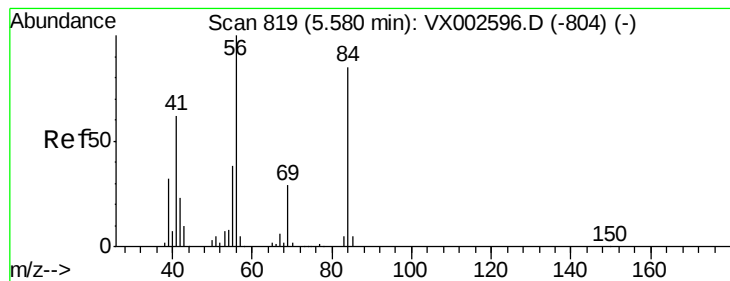


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.07 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :

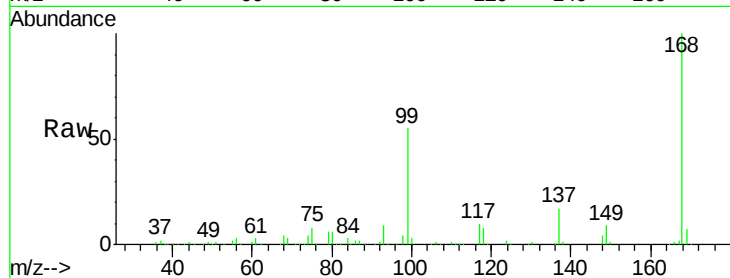
Tot Ion: 56 Resp: 4694

Ion Ratio Lower Upper

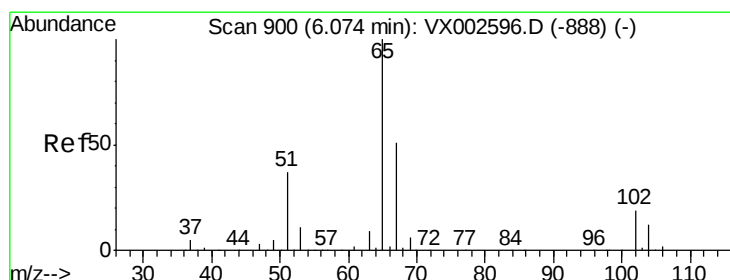
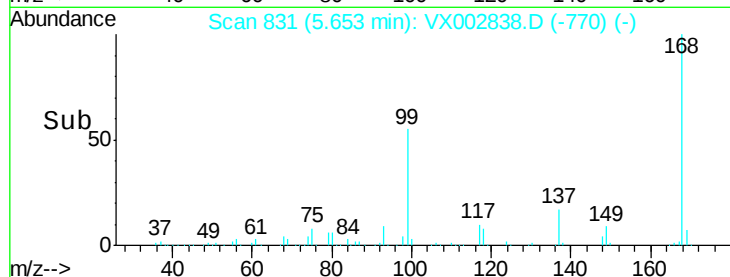
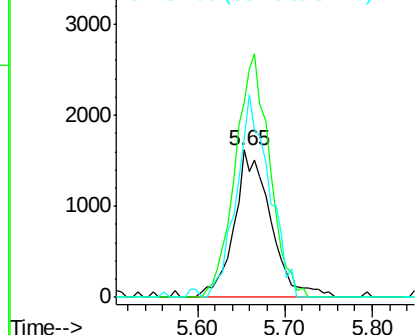
56 100

69 132.9 23.7 35.5#

84 113.1 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: 44.28 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002838.D

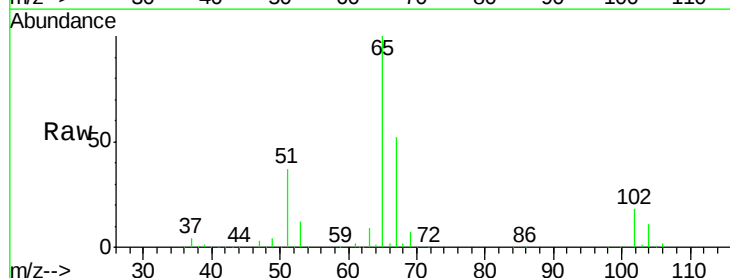
Acq: 22 Jun 2018 18:40

Tgt Ion: 65 Resp: 147304

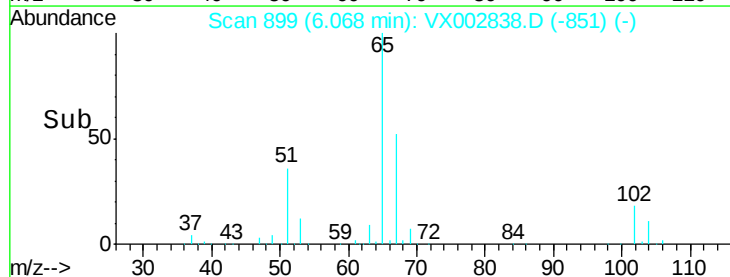
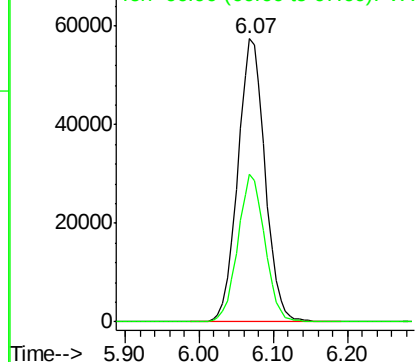
Ion Ratio Lower Upper

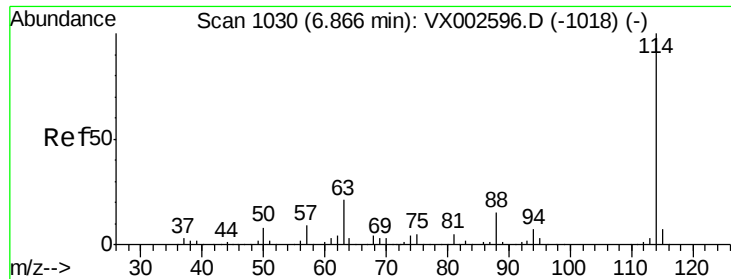
65 100

67 51.7 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: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

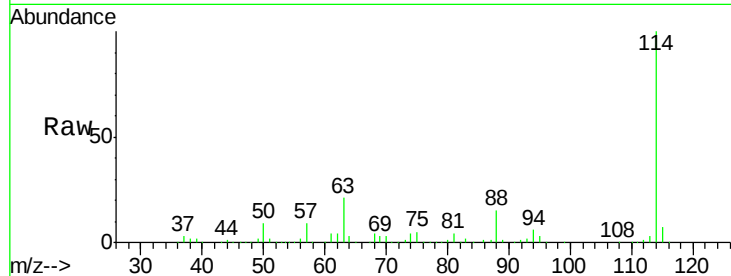
Tot Ion:114 Resp: 306848

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.4

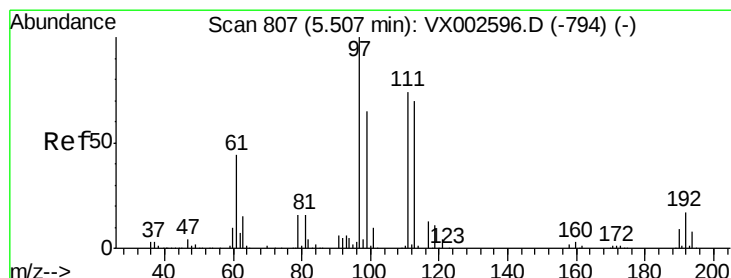
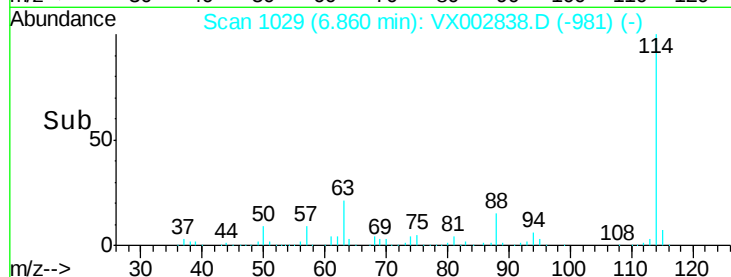
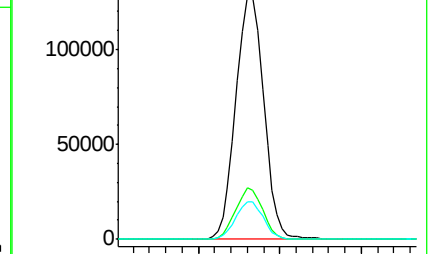
88 15.3 0.0 30.0



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: 47.14 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

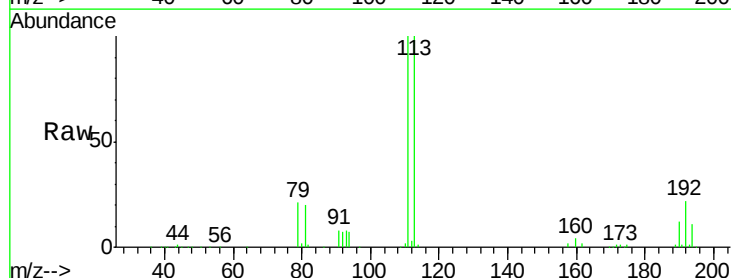
Tgt Ion:113 Resp: 115441

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

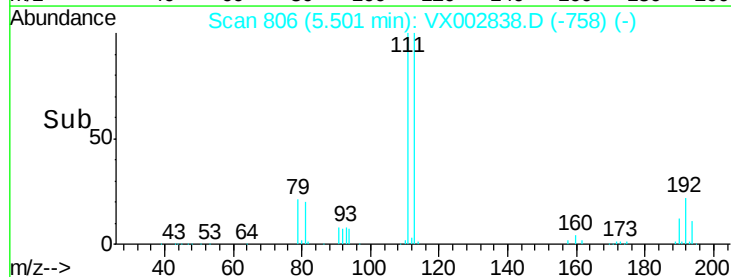
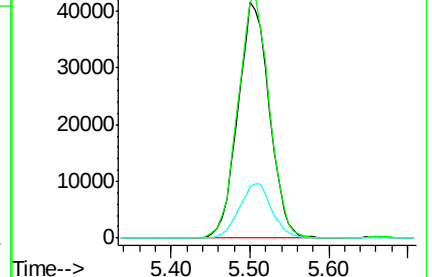
192 23.5 19.1 28.7

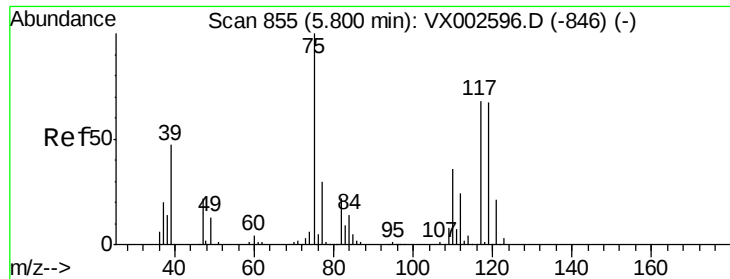


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

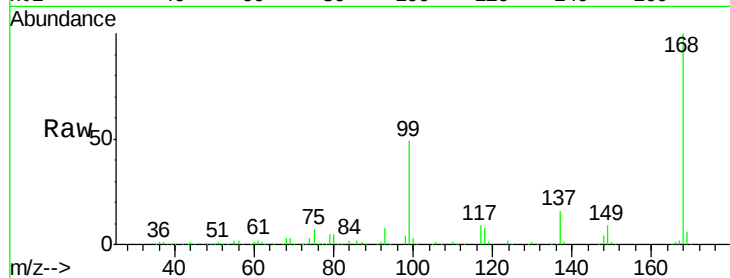




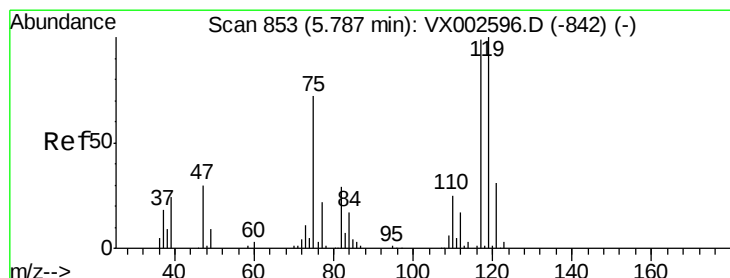
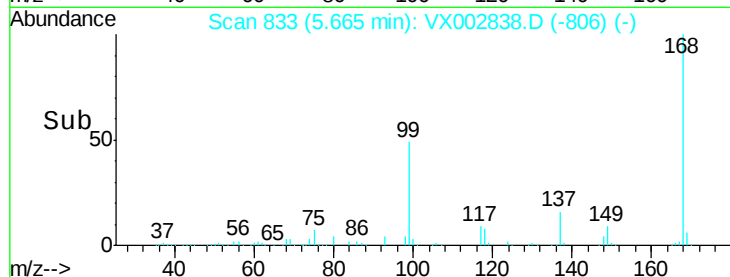
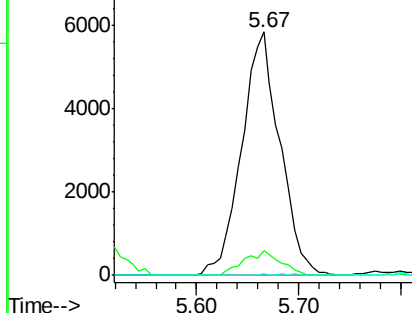
#36
 1,1-Dichloropropene
 Concen: 4.66 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002838.D
 Acq: 22 Jun 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.1	24.3	36.5#

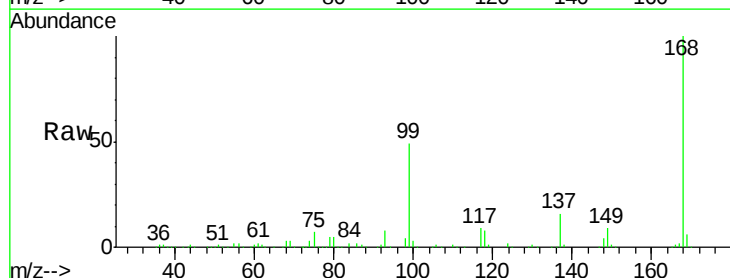


Abundance Ion 74.90 (74.60 to 75.60): VX002596.D (-846) (-)
 Ion 109.90 (109.60 to 110.60): VX002596.D (-846) (-)
 Ion 76.90 (76.60 to 77.60): VX002596.D (-846) (-)

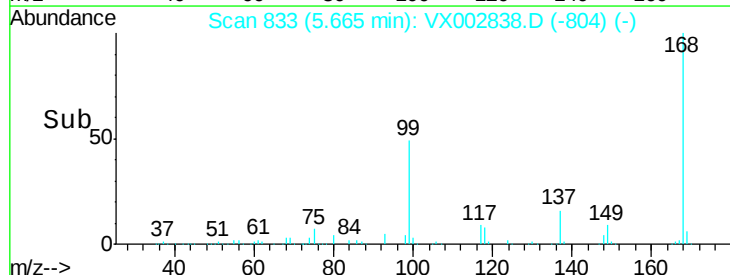
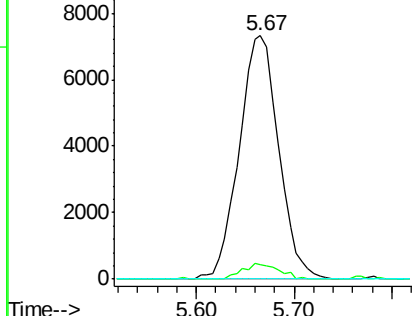


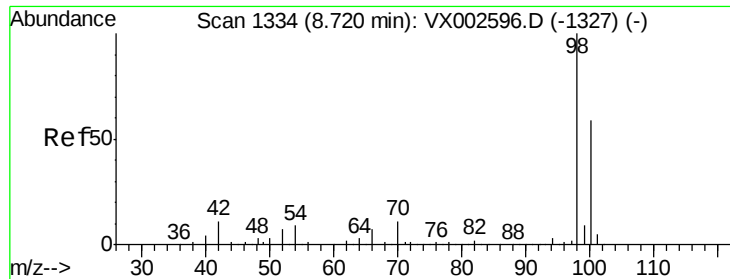
#38
 Carbon Tetrachloride
 Concen: 6.30 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002838.D
 Acq: 22 Jun 2018 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.4	116.0#
121	0.0	24.4	36.6#



Abundance Ion 116.80 (116.50 to 117.50): VX002596.D (-842) (-)
 Ion 118.80 (118.50 to 119.50): VX002596.D (-842) (-)
 Ion 120.80 (120.50 to 121.50): VX002596.D (-842) (-)

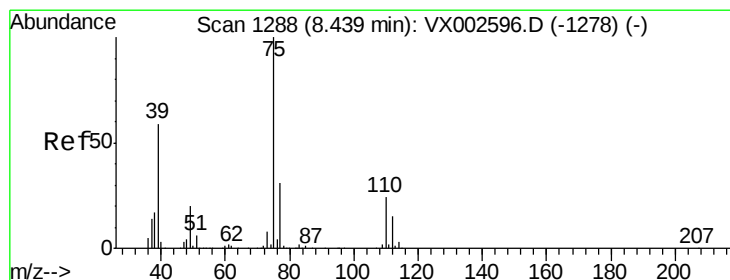
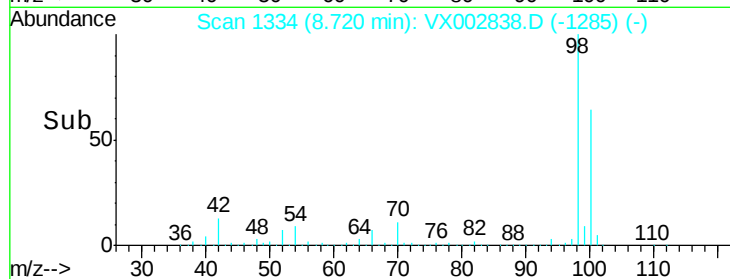
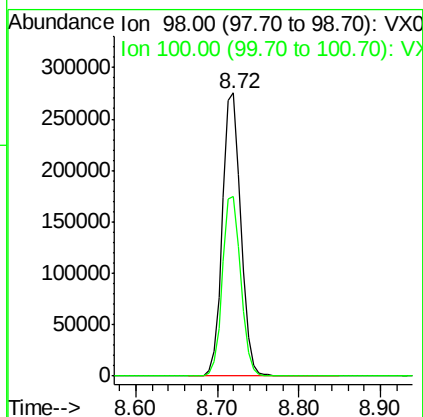
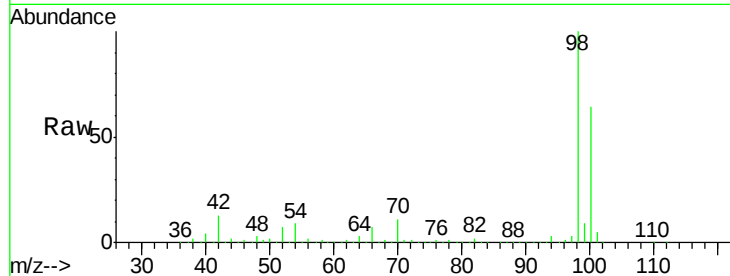




#50
Toluene-d8
Concen: 46.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

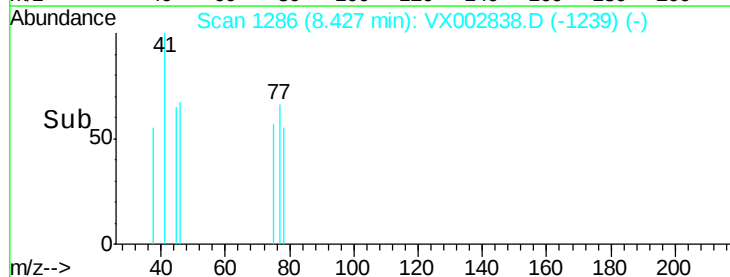
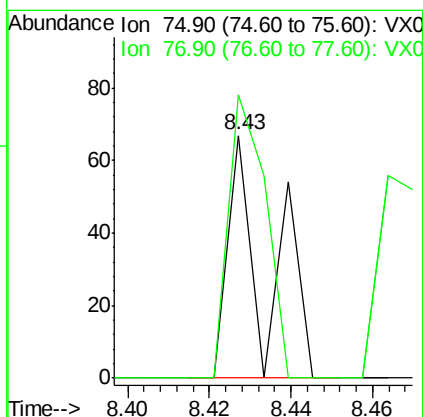
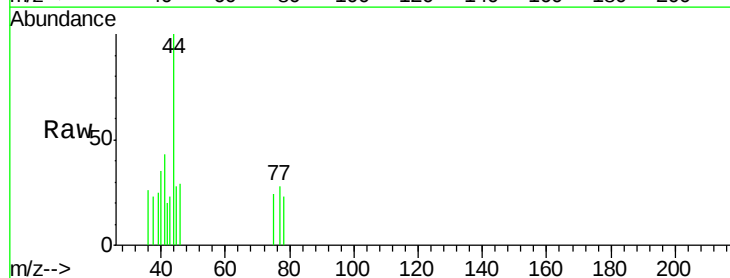
Instrument :
MSVOA_X
ClientSampled :

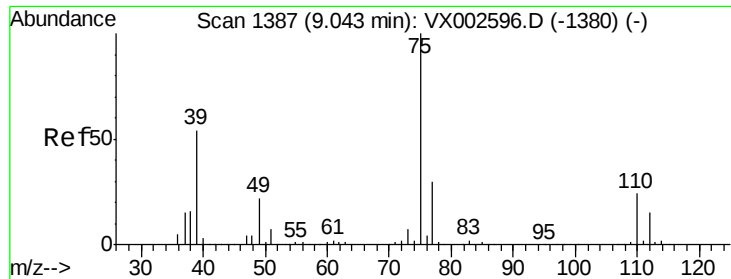
Tot Ion: 98 Resp: 431780
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
77 116.4 25.4 38.2#



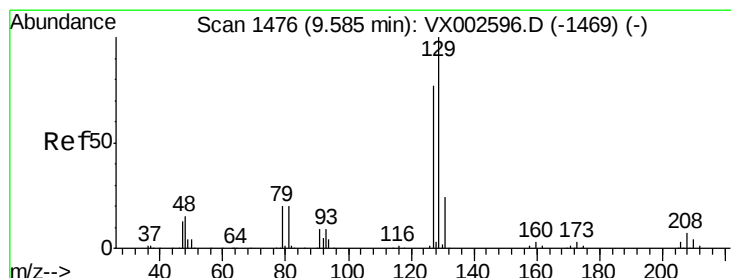
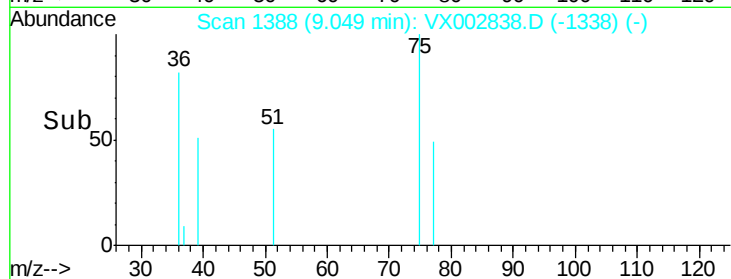
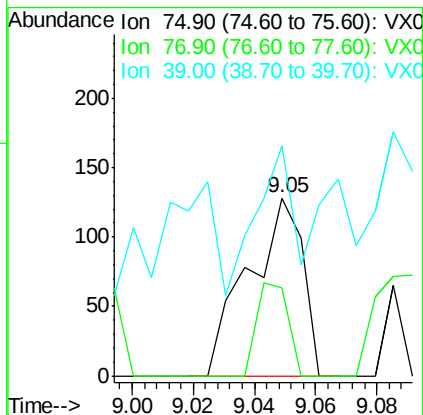
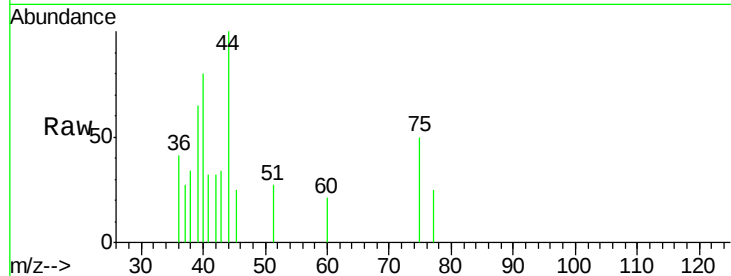


#54

cis-1,3-Dichloropropene
Concen: 3.25 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Instrument :
MSVOA_X
ClientSampled :

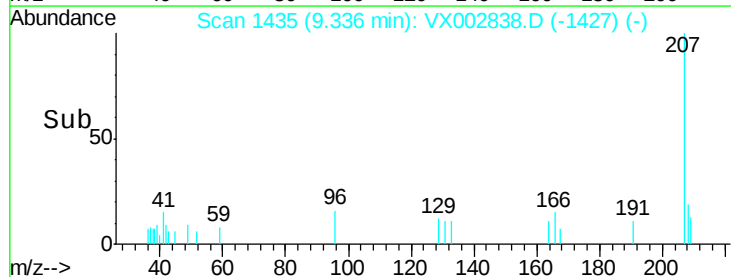
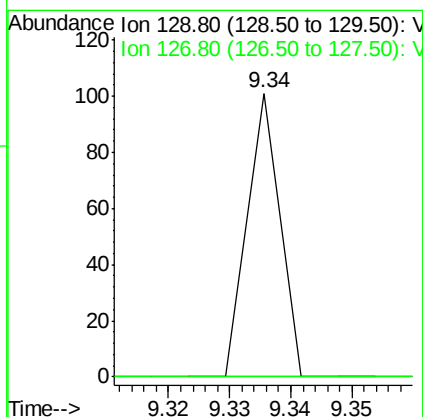
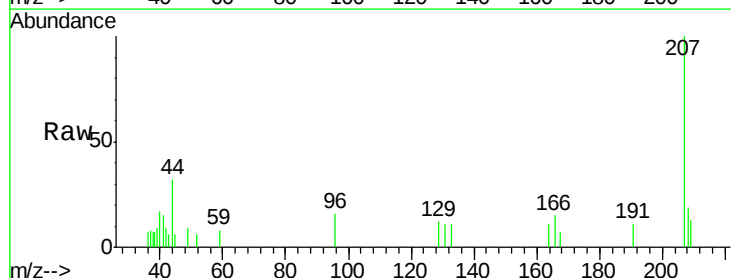
Tot Ion: 75 Resp: 157
Ion Ratio Lower Upper
75 100
77 49.2 24.8 37.2#
39 36.7 42.4 63.6#

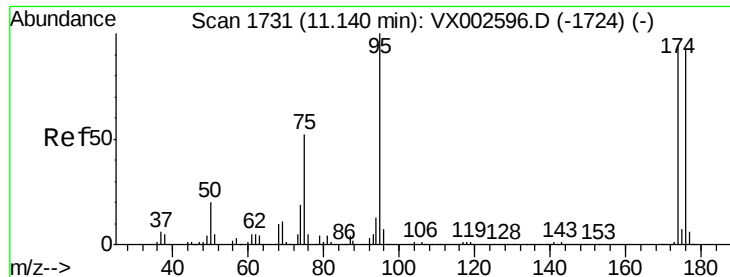


#60

Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Tgt Ion:129 Resp: 37
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

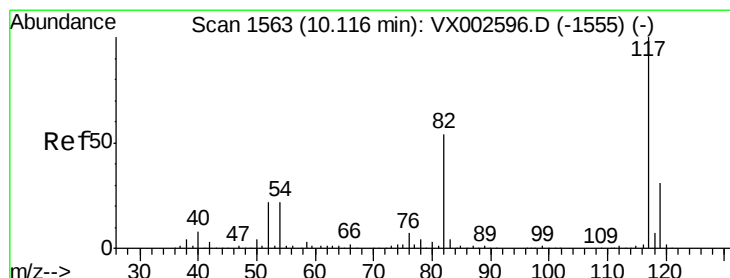
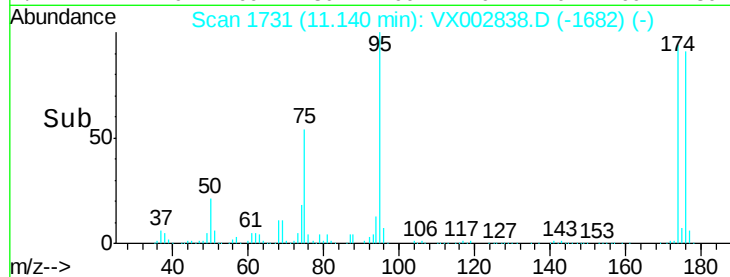
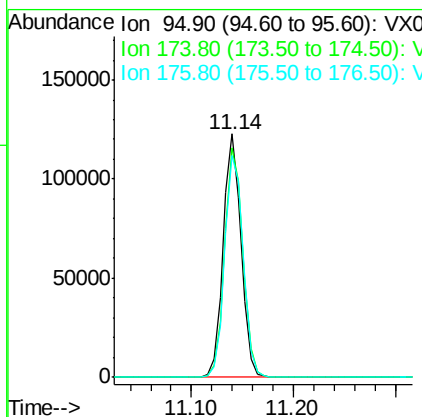
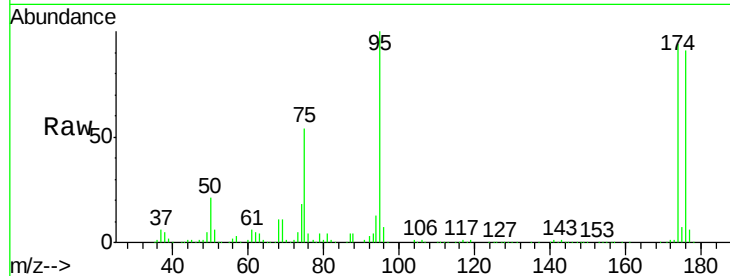




#62
4-Bromofluorobenzene
Concen: 42.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

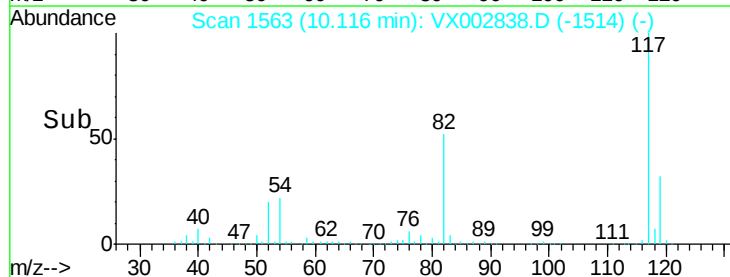
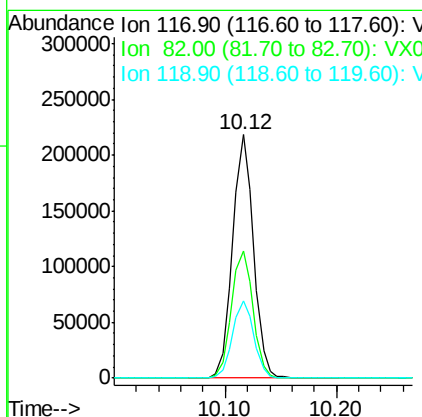
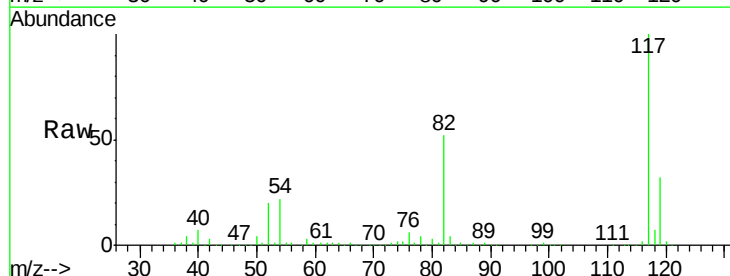
Instrument :
MSVOA_X
ClientSampleId :

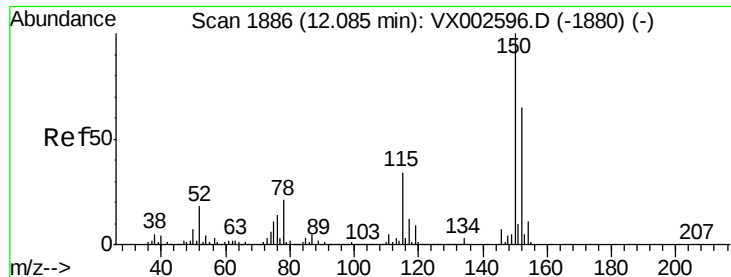
Tot Ion: 95 Resp: 149716
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.4
176 93.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002838.D
Acq: 22 Jun 2018 18:40

Tgt Ion: 117 Resp: 284269
Ion Ratio Lower Upper
117 100
82 52.1 45.0 67.4
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

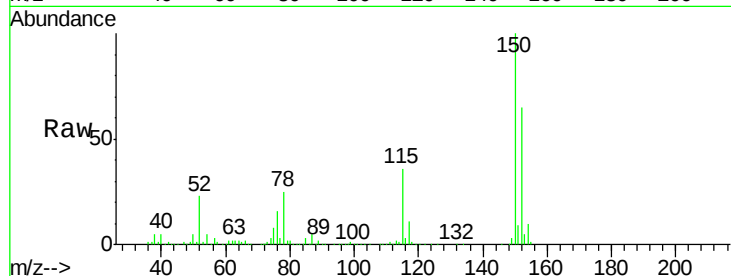
Tot Ion:152 Resp: 156493

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

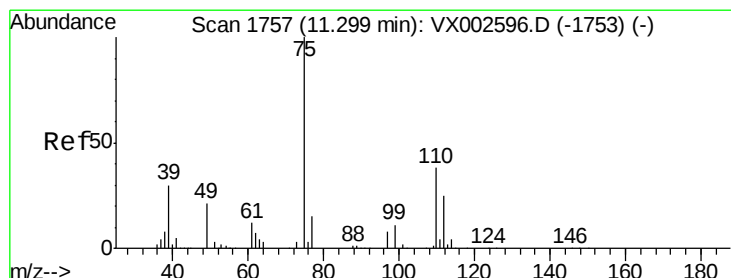
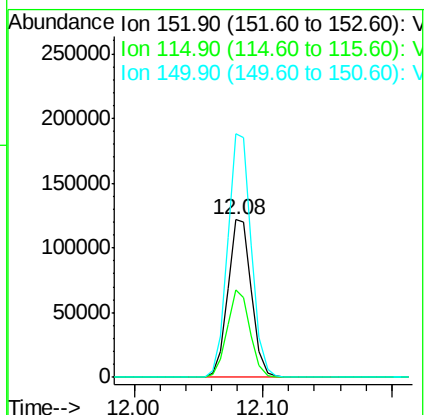
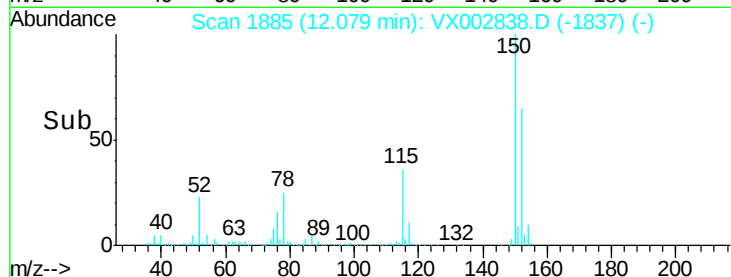
150 155.0 0.0 347.2



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: 26.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002838.D

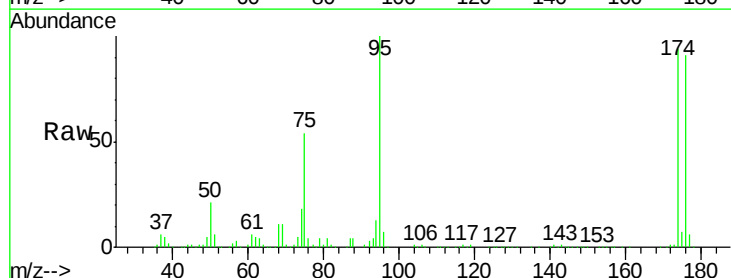
Acq: 22 Jun 2018 18:40

Tgt Ion: 75 Resp: 79018

Ion Ratio Lower Upper

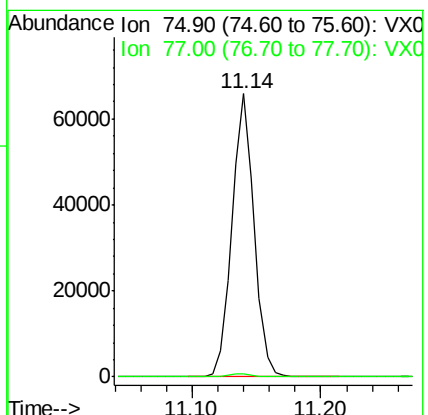
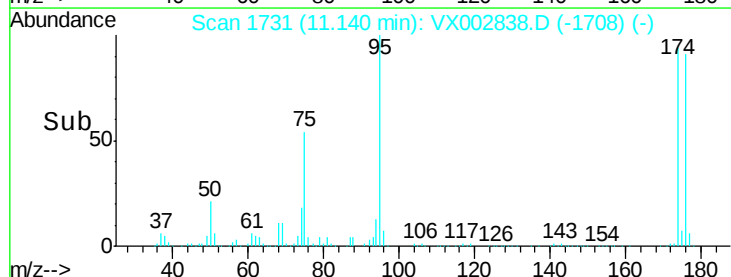
75 100

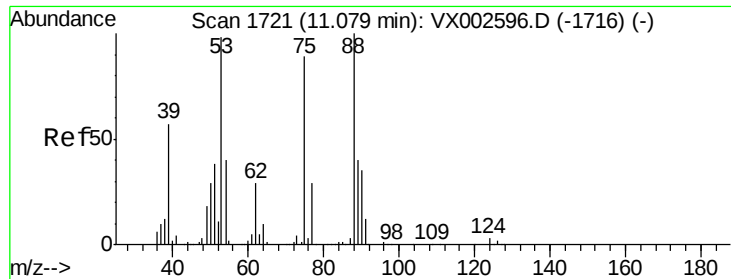
77 1.3 22.8 68.3#



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: 82.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002838.D

Acq: 22 Jun 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

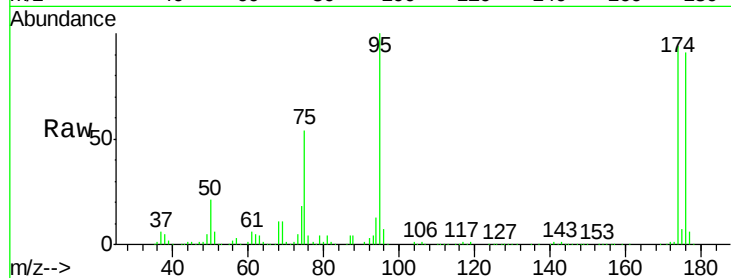
Tot Ion: 75 Resp: 79018

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

