

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001016.D
 Acq On : 20 Apr 2018 18:25
 Operator : JC/MD
 Sample : J2349-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:37:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197775	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	154134	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	5.51	113	117395	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.72	98	461850	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	177582	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

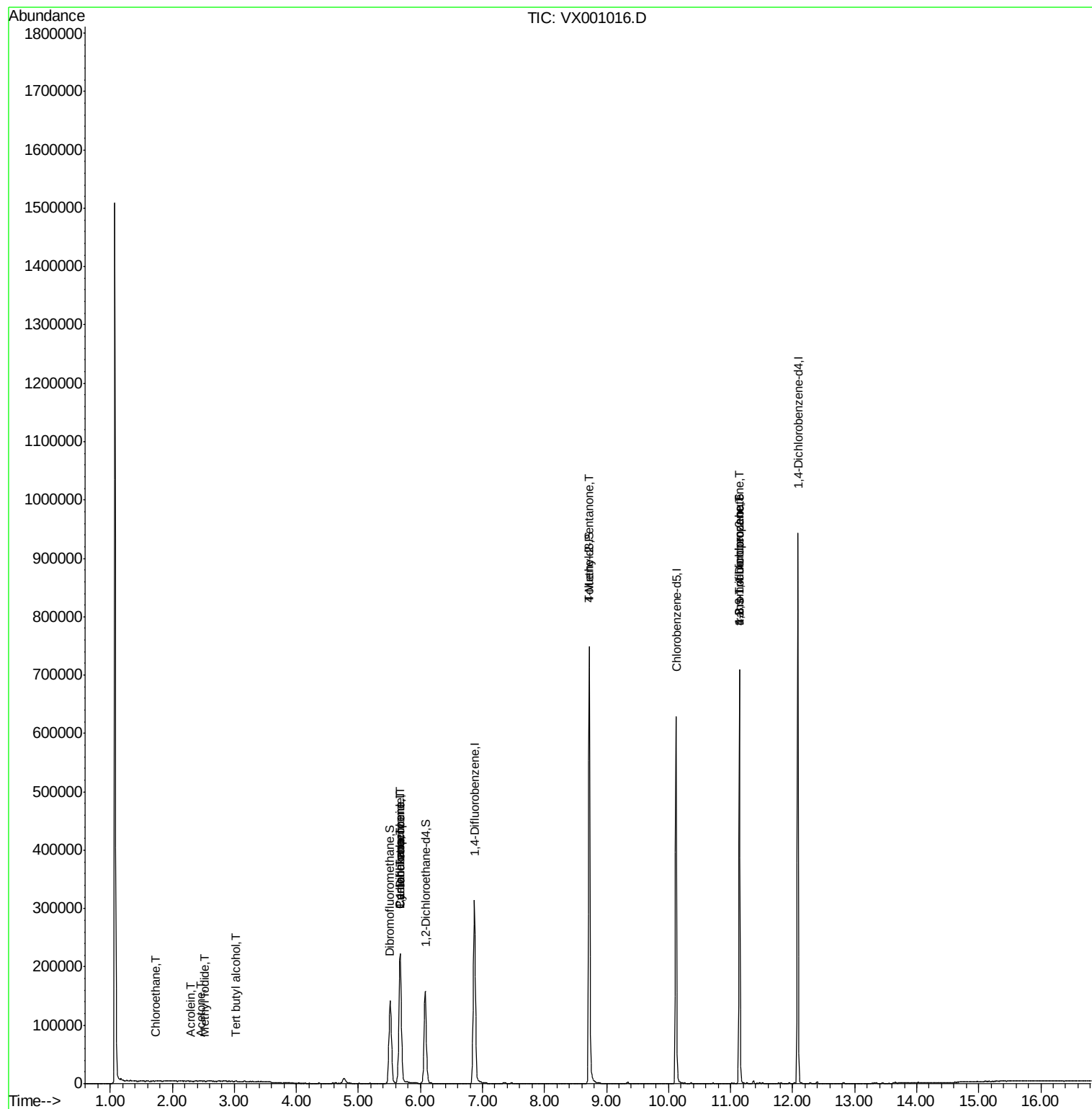
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	262	Below Cal	#	74
6) Chloroethane	1.73	64	372	0.22	ug/l #	43
10) Methyl Iodide	2.51	142	138	7.65	ug/l #	41
11) Tert butyl alcohol	3.01	59	172	0.38	ug/l #	72
13) Acrolein	2.29	56	50	11.27	ug/l #	4
16) Acetone	2.45	43	888	0.79	ug/l	90
20) Methylene Chloride	2.87	84	229	Below Cal	#	52
31) Cyclohexane	5.67	56	4229	1.00	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	15408	3.97	ug/l #	49
38) Carbon Tetrachloride	5.68	117	20413	5.19	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	2237	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	89475	26.08	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	89475	78.07	ug/l #	8

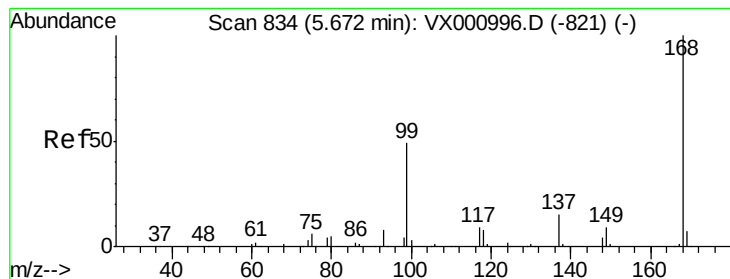
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

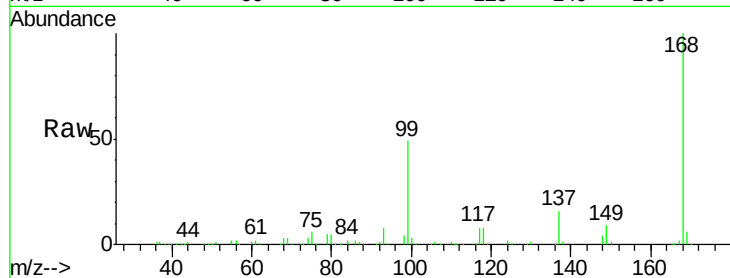
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 236603

Ion Ratio Lower Upper

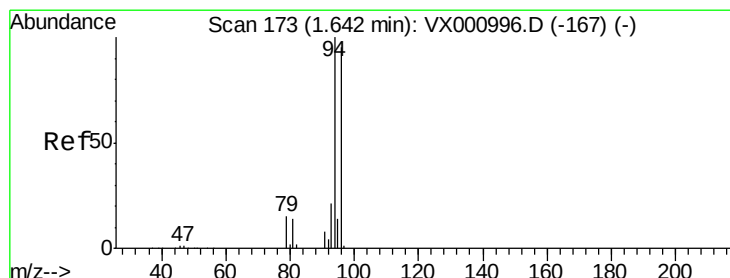
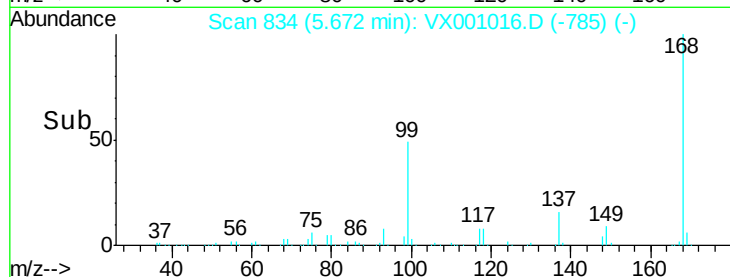
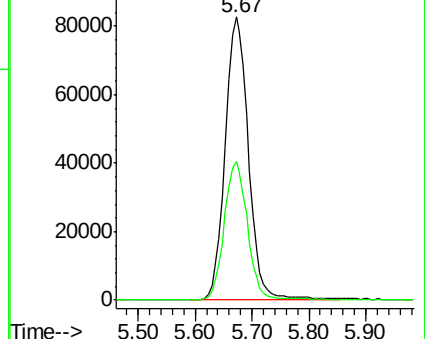
168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001016.D

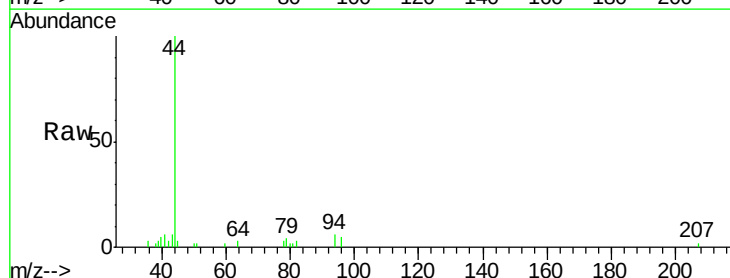
Acq: 20 Apr 2018 18:25

Tgt Ion: 94 Resp: 262

Ion Ratio Lower Upper

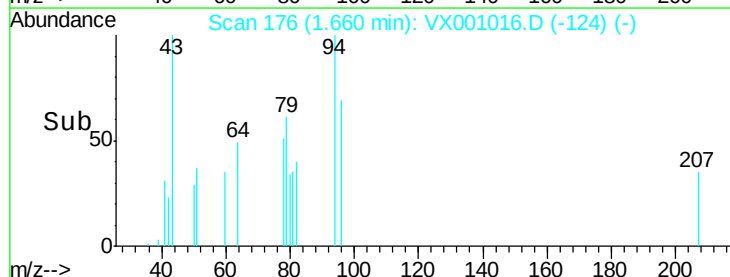
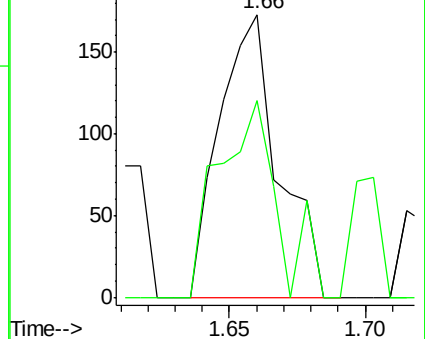
94 100

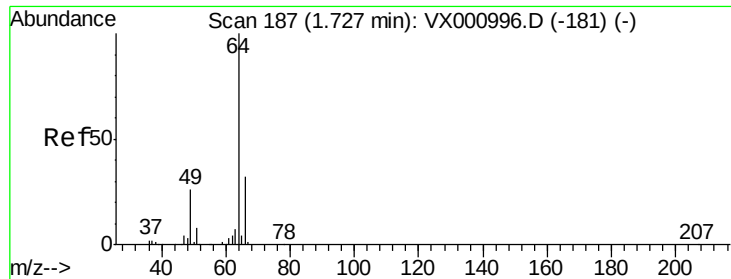
96 69.4 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Instrument :

MSVOA_X

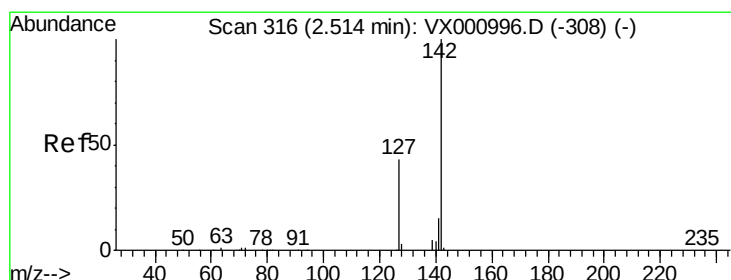
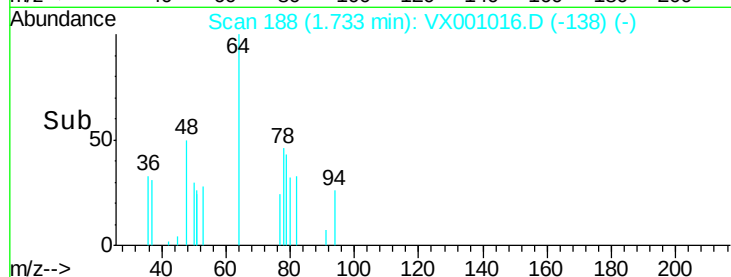
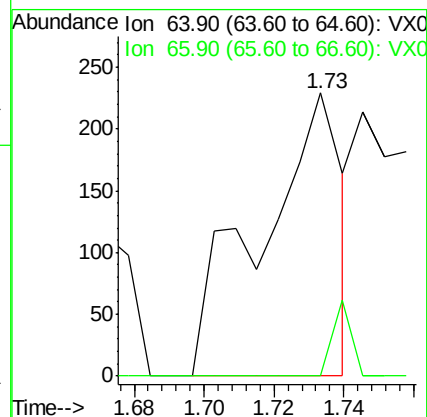
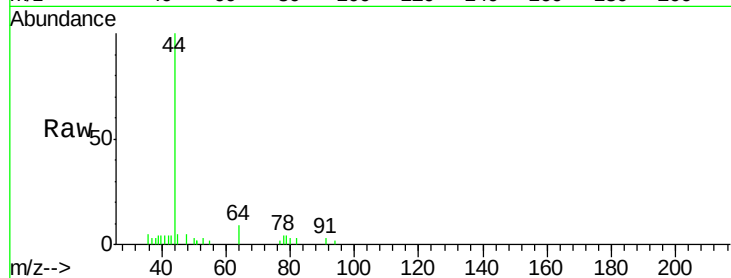
ClientSampled :

Tot Ion: 64 Resp: 372

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 7.65 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

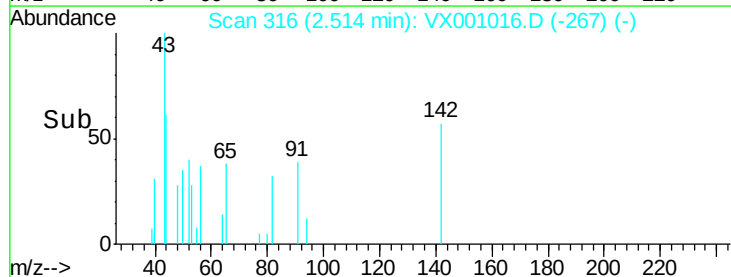
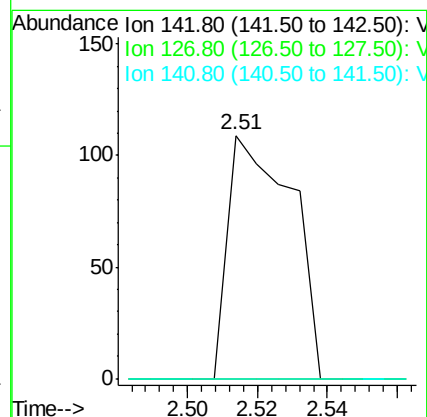
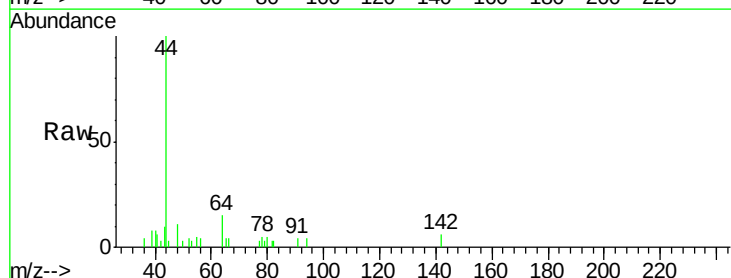
Tgt Ion: 142 Resp: 138

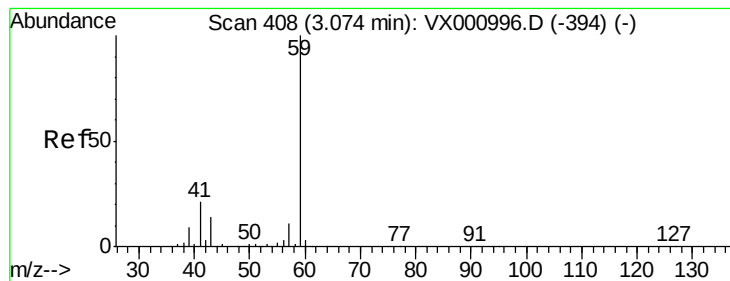
Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#



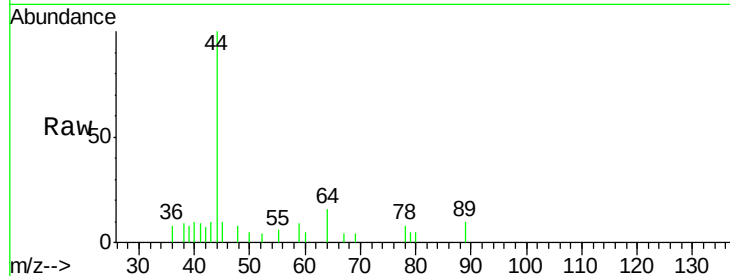


#11

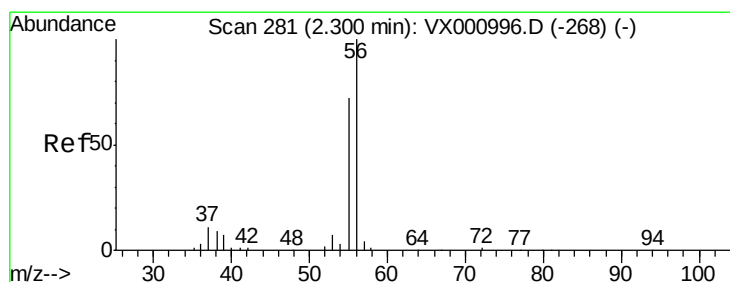
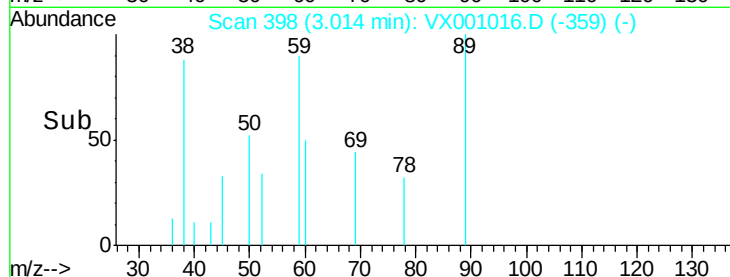
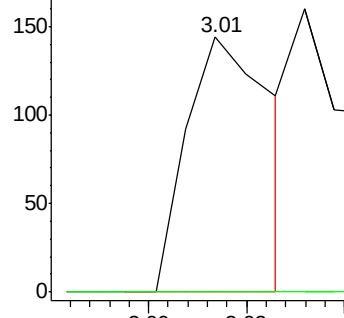
Tert butyl alcohol
 Concen: 0.38 ug/l
 RT: 3.01 min Scan# 398
 Delta R.T. -0.06 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 172
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



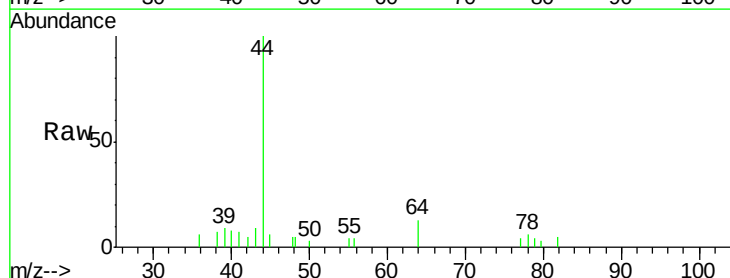
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



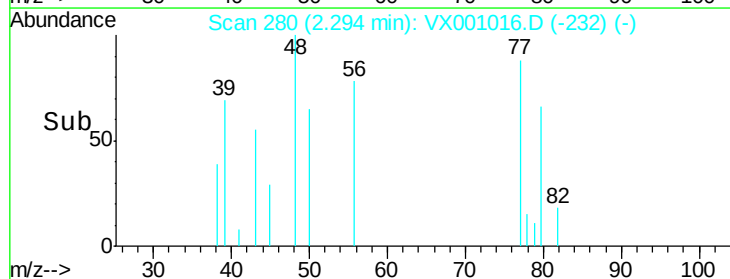
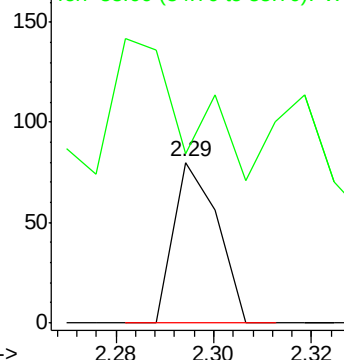
#13

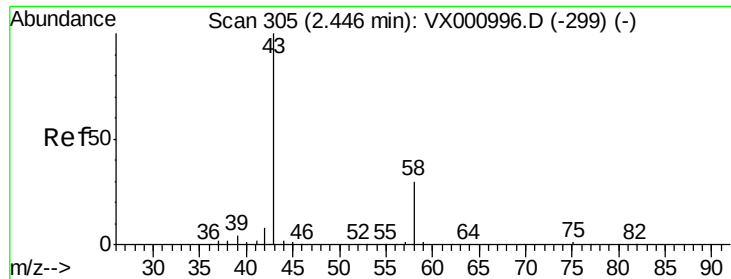
Acrolein
 Concen: 11.27 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

Tgt Ion: 56 Resp: 50
 Ion Ratio Lower Upper
 56 100
 55 152.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.79 ua/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

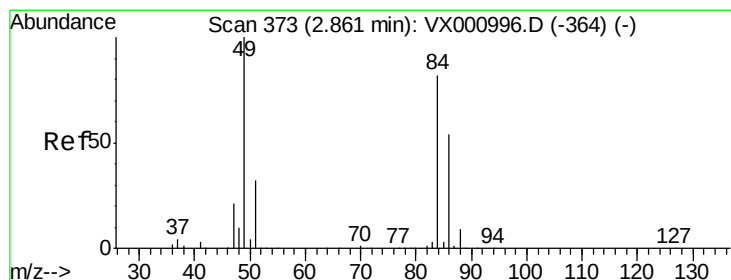
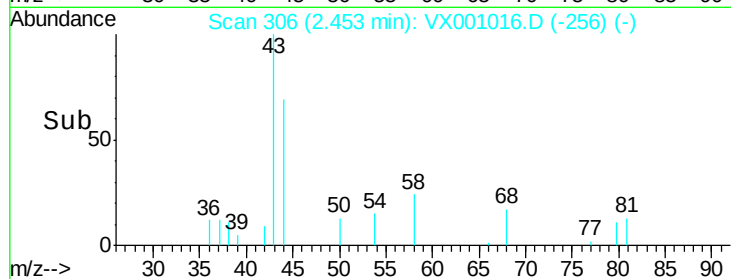
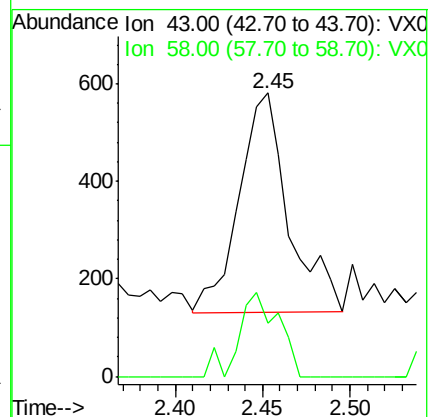
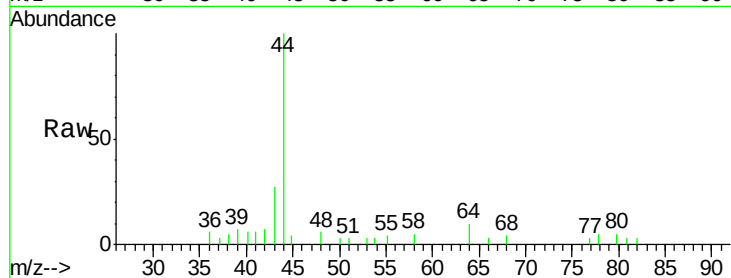
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

58 24.1 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Tgt Ion: 84 Resp: 229

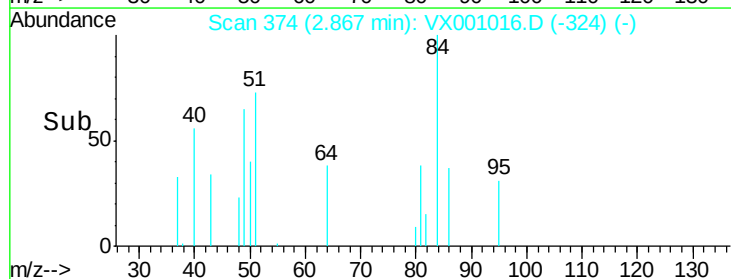
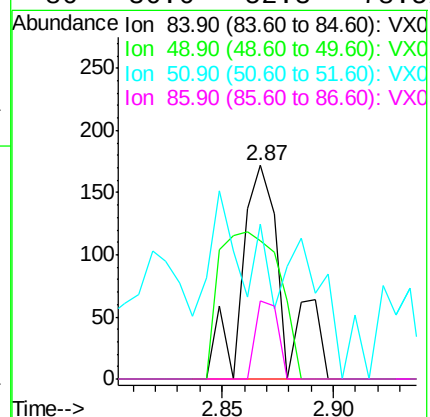
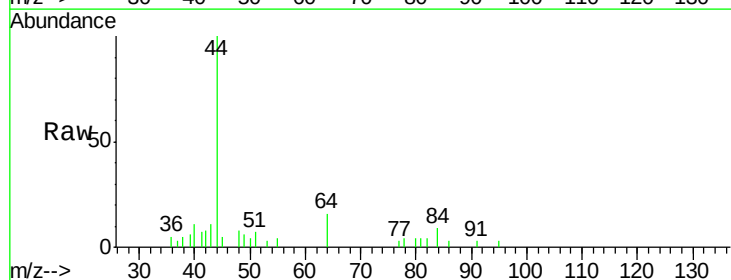
Ion Ratio Lower Upper

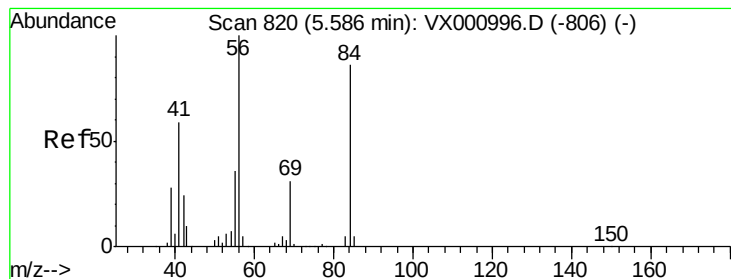
84 100

49 64.5 97.1 145.7#

51 72.7 30.8 46.2#

86 36.6 52.3 78.5#





#31

Cyclohexane

Concen: 1.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Instrument :

MSVOA_X

ClientSampled :

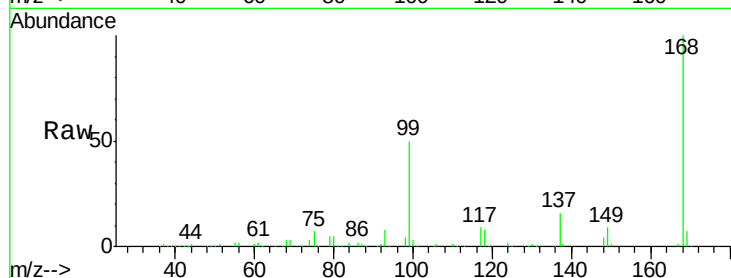
Tot Ion: 56 Resp: 4229

Ion Ratio Lower Upper

56 100

69 156.7 24.6 36.8#

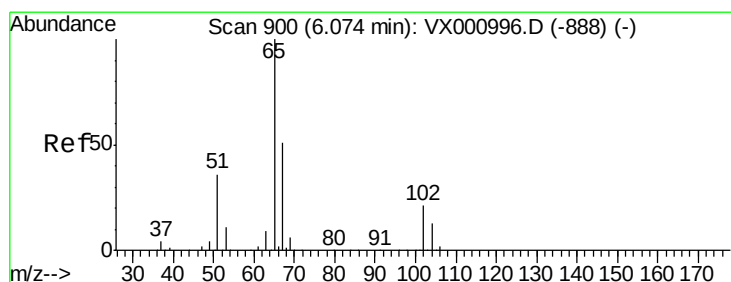
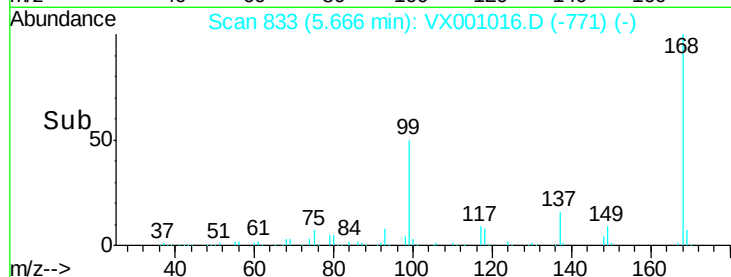
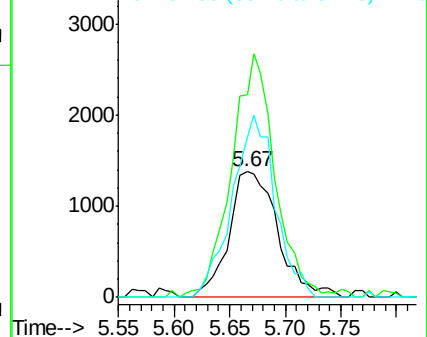
84 127.6 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.39 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001016.D

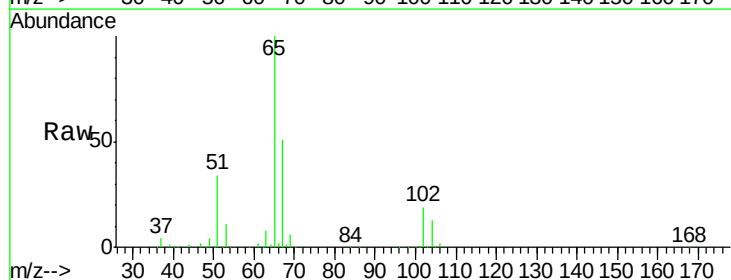
Acq: 20 Apr 2018 18:25

Tgt Ion: 65 Resp: 154134

Ion Ratio Lower Upper

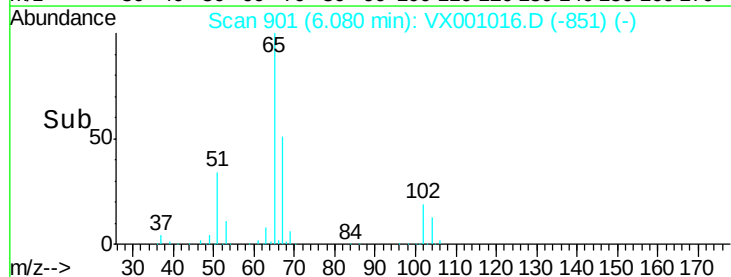
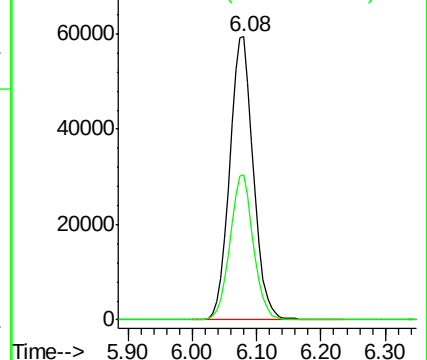
65 100

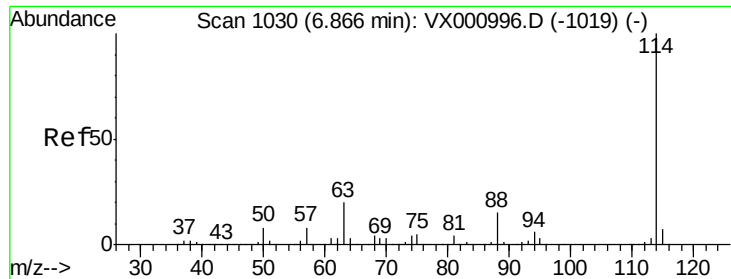
67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

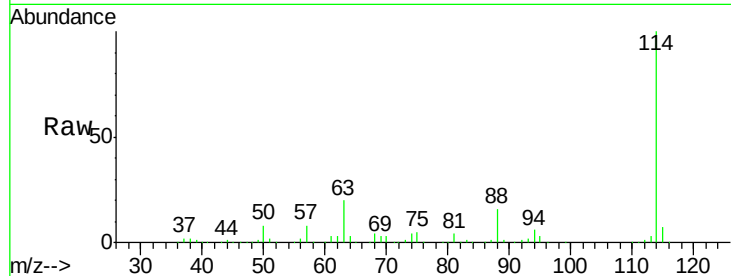




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

Instrument :
 MSVOA_X
 ClientSampleId :

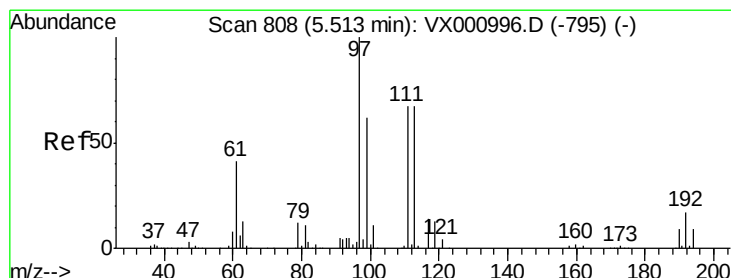
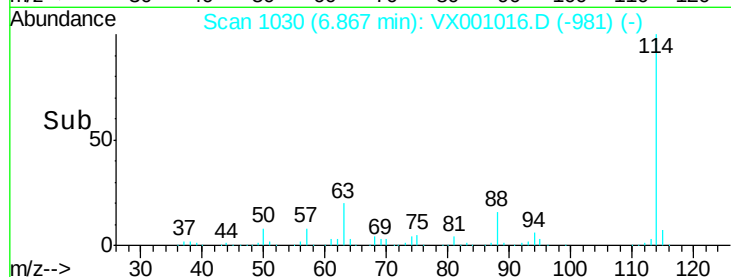
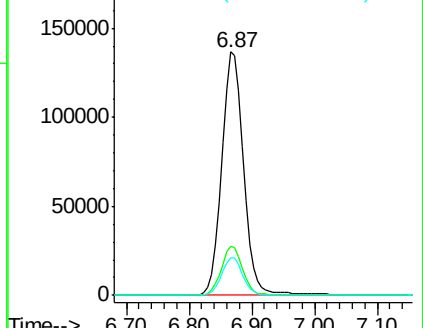
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.4
88	15.7	0.0	29.8



Abundance Ion 113.90 (113.60 to 114.60): V

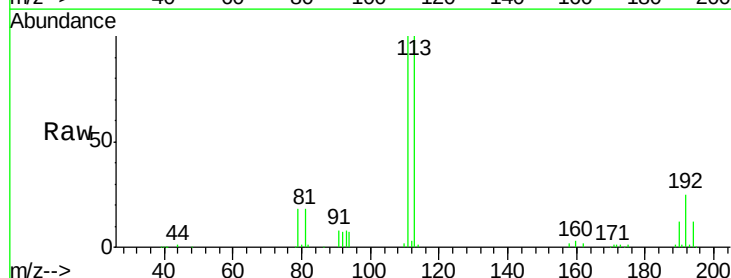
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 46.61 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

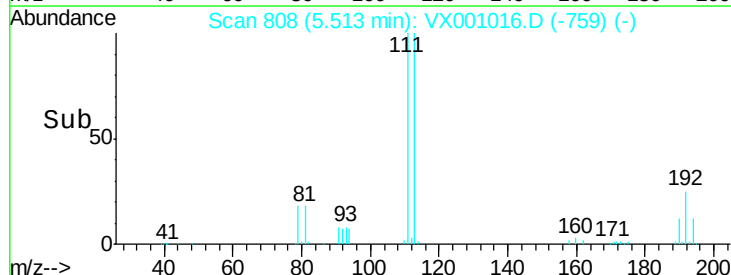
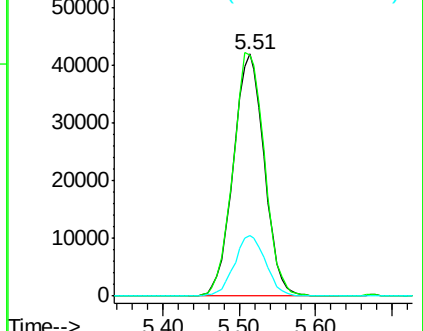
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	25.2	20.4	30.6

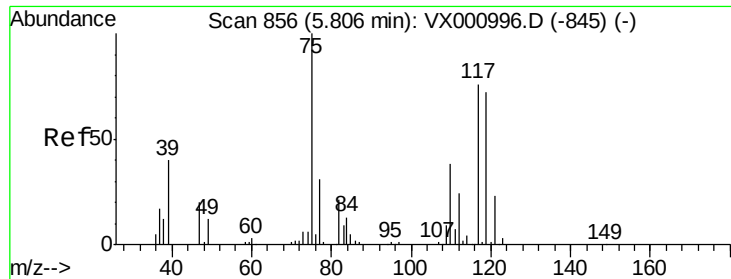


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

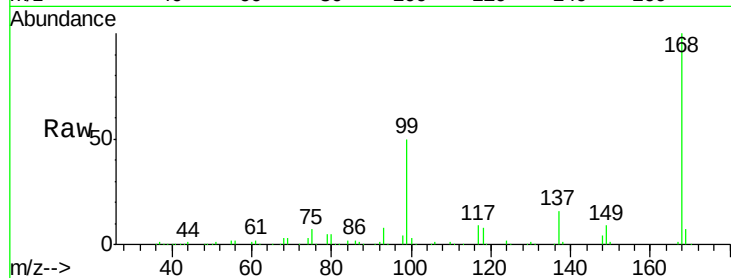




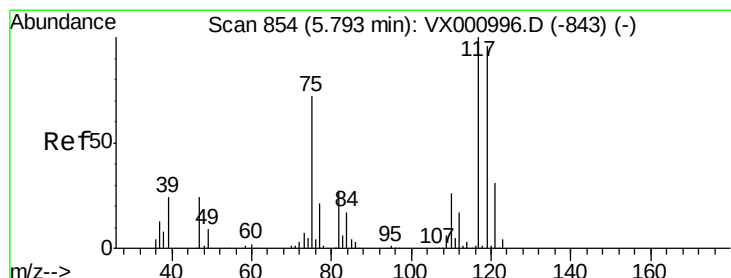
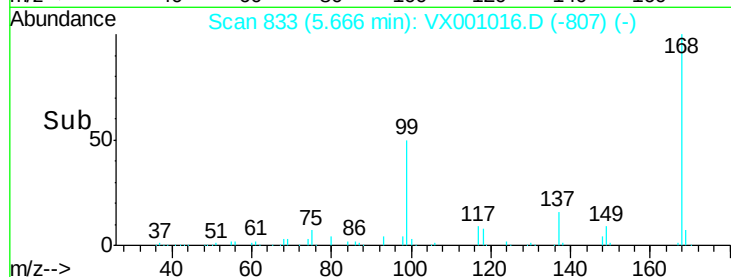
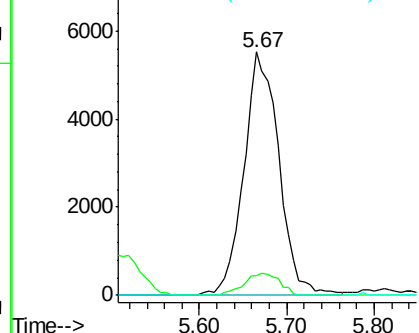
#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 15408
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.7 56.1#
 77 0.0 25.0 37.4#

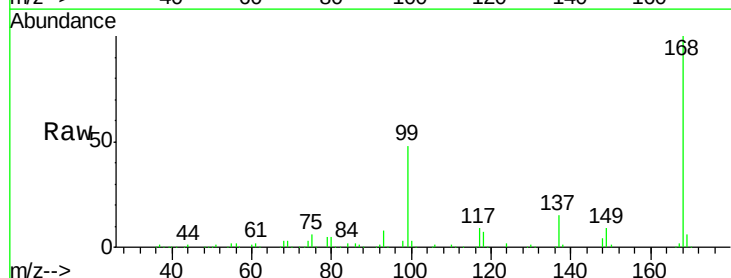


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

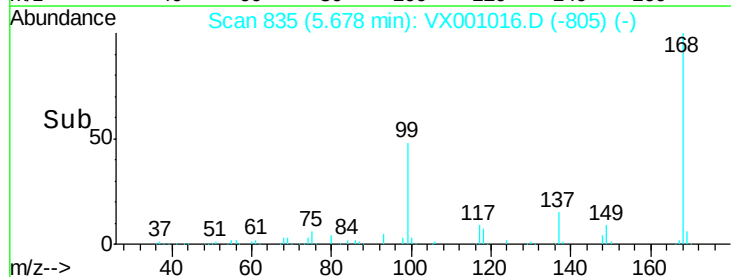
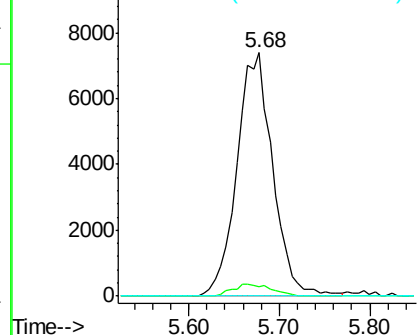


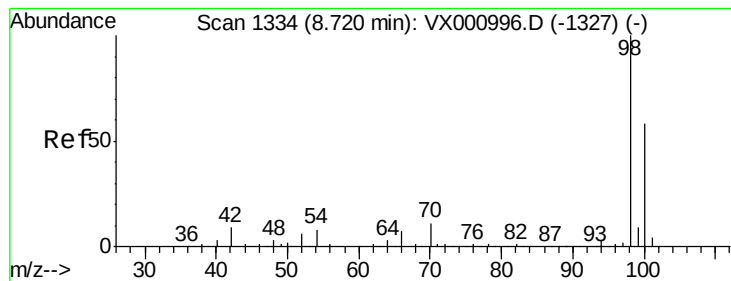
#38
 Carbon Tetrachloride
 Concen: 5.19 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX001016.D
 Acq: 20 Apr 2018 18:25

Tgt Ion: 117 Resp: 20413
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.5 114.7#
 121 0.0 24.5 36.7#



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





#50

Toluene-d8

Concen: 49.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Instrument :

MSVOA_X

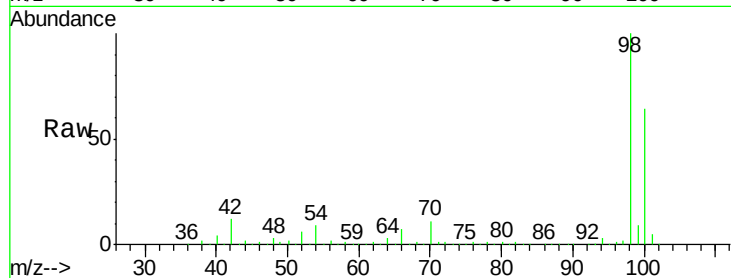
ClientSampleId :

Tot Ion: 98 Resp: 461850

Ion Ratio Lower Upper

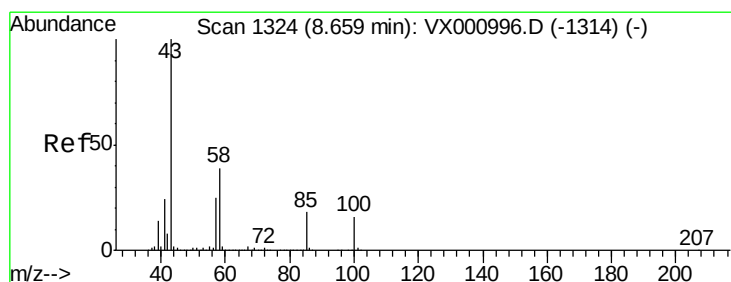
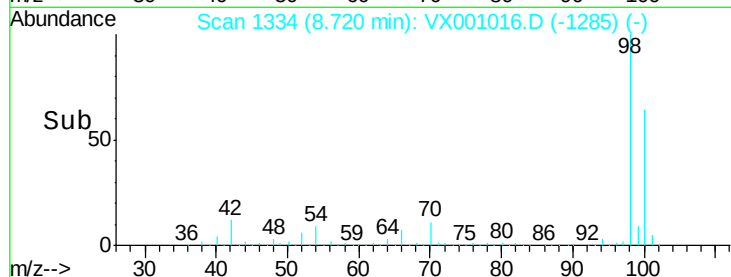
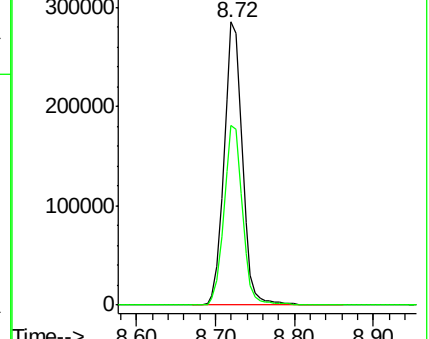
98 100

100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001016.D

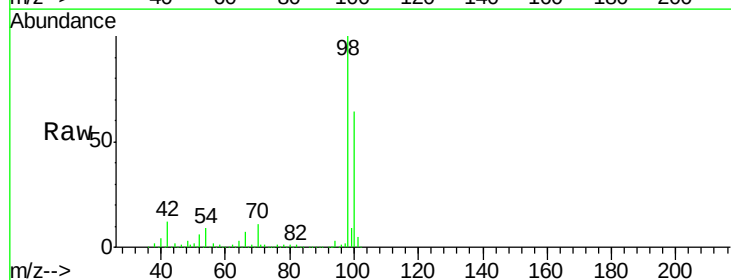
Acq: 20 Apr 2018 18:25

Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

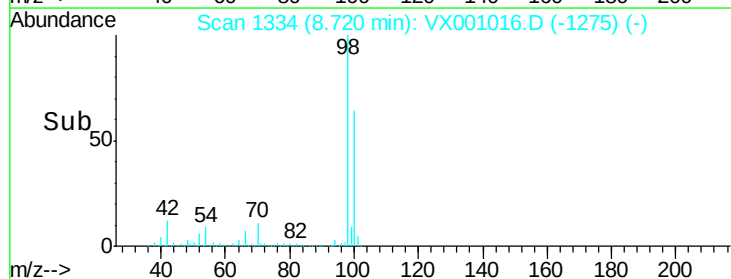
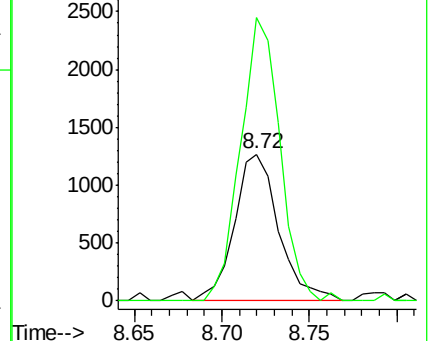
43 100

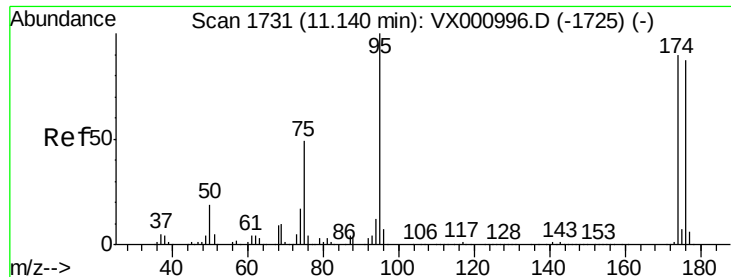
58 171.6 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

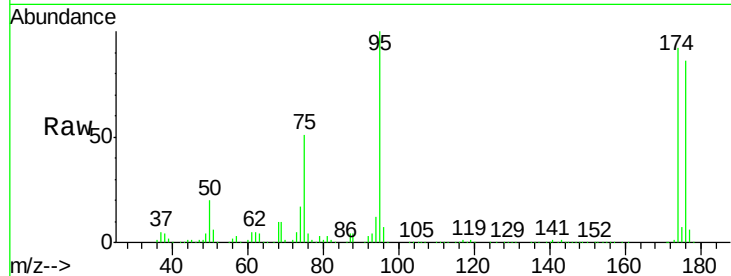




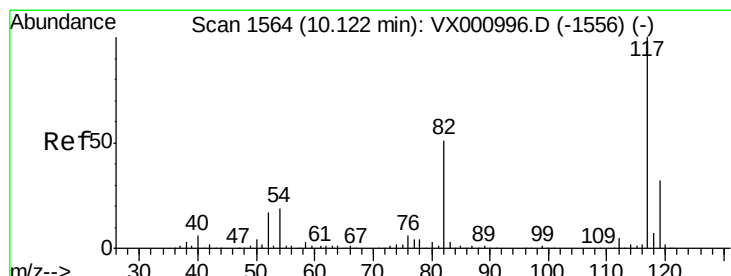
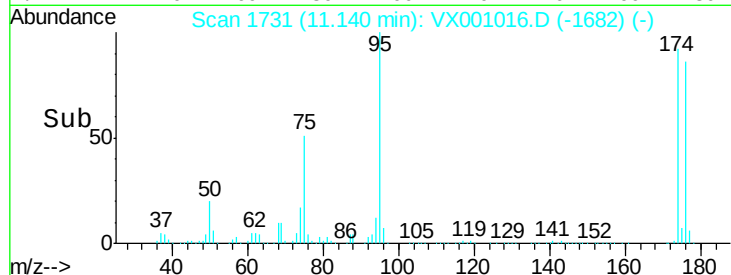
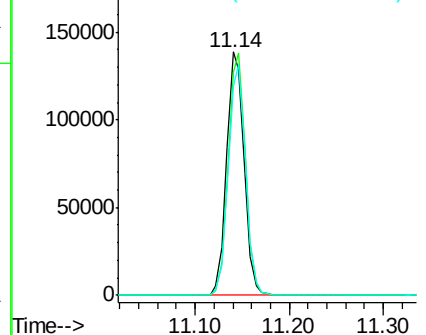
#62
4-Bromofluorobenzene
Concen: 45.43 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001016.D
Acq: 20 Apr 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 177582
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 94.1 0.0 192.0

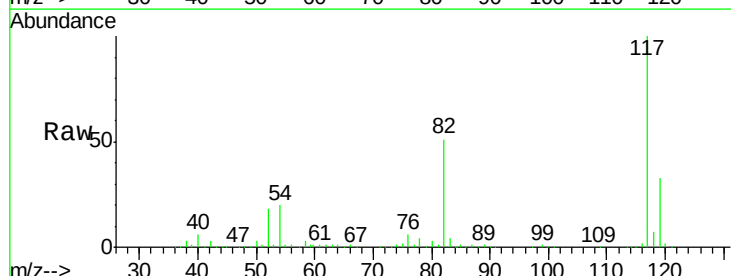


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

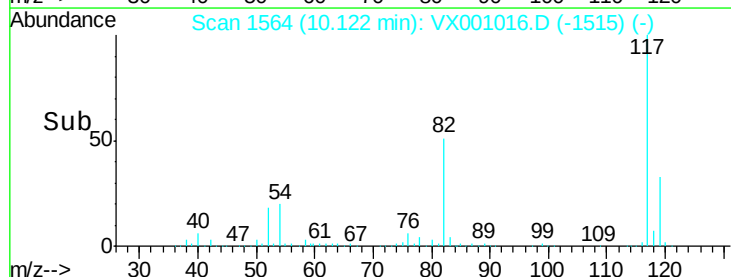
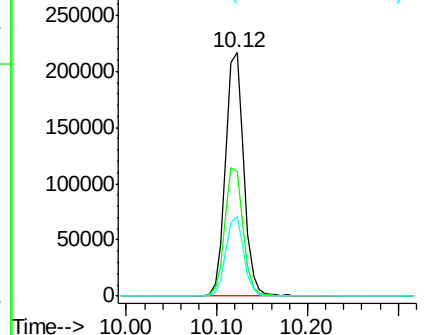


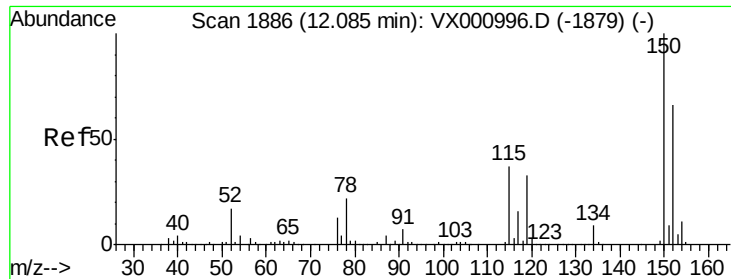
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001016.D
Acq: 20 Apr 2018 18:25

Tgt Ion: 117 Resp: 306040
Ion Ratio Lower Upper
117 100
82 51.1 40.6 60.8
119 32.5 26.0 39.0



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Instrument :

MSVOA_X

ClientSampleId :

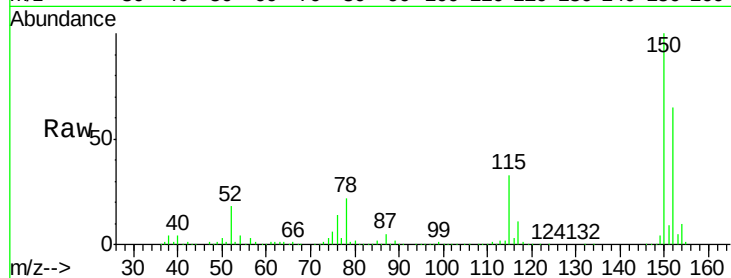
Tot Ion:152 Resp: 197775

Ion Ratio Lower Upper

152 100

115 53.4 38.2 114.6

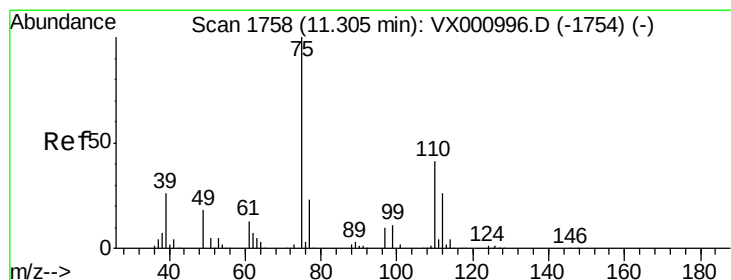
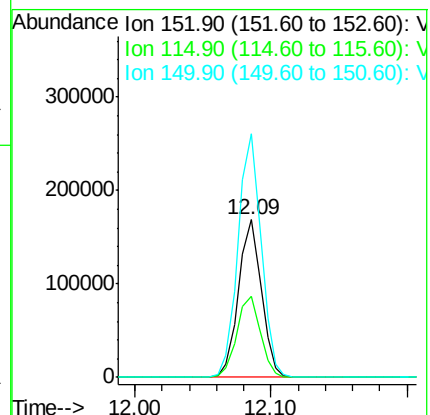
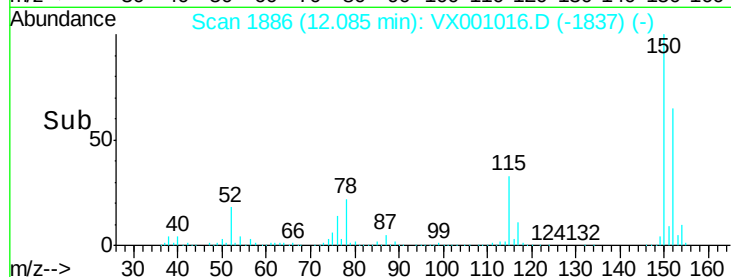
150 156.4 0.0 350.4



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: 26.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001016.D

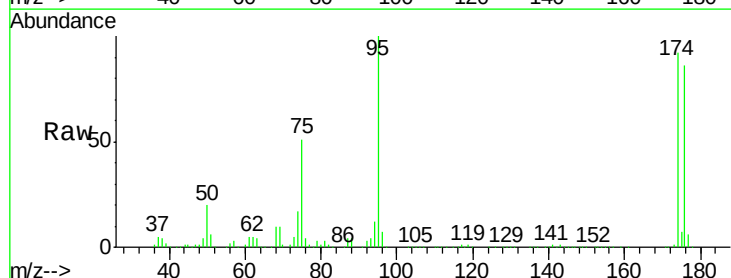
Acq: 20 Apr 2018 18:25

Tgt Ion: 75 Resp: 89475

Ion Ratio Lower Upper

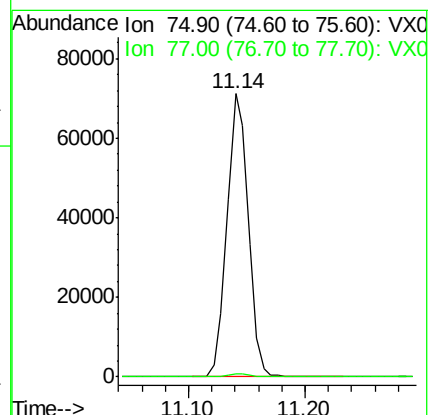
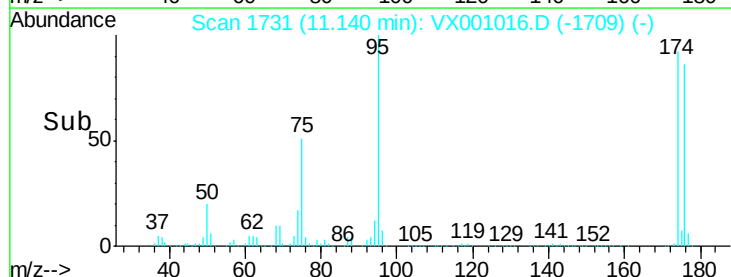
75 100

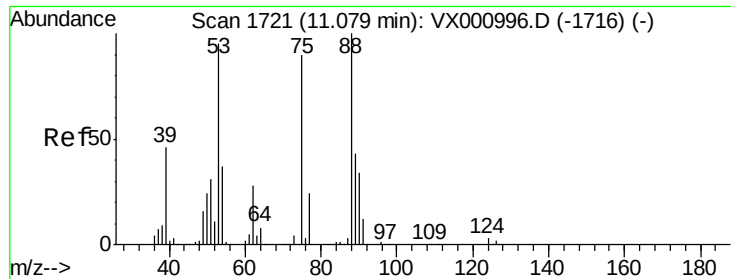
77 1.2 19.6 58.7#



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: 78.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

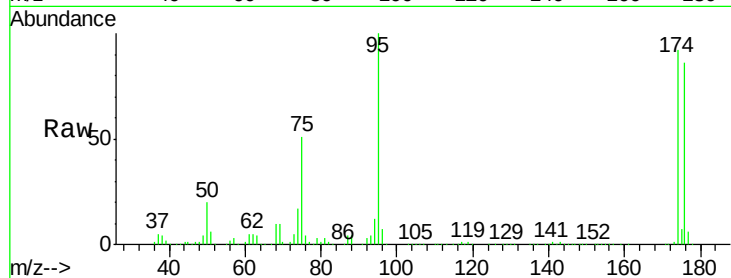
Lab File: VX001016.D

Acq: 20 Apr 2018 18:25

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	75	Resp:	89475
Ion	Ratio	Lower	Upper
75	100		
53	0.0	83.4	125.2#
89	0.0	39.7	59.5#

