

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001031.D
 Acq On : 21 Apr 2018 01:37
 Operator : JC/MD
 Sample : J2377-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:41:59 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	236185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193664	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	153040	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	5.51	113	118059	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.72	98	467339	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.14	95	178041	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

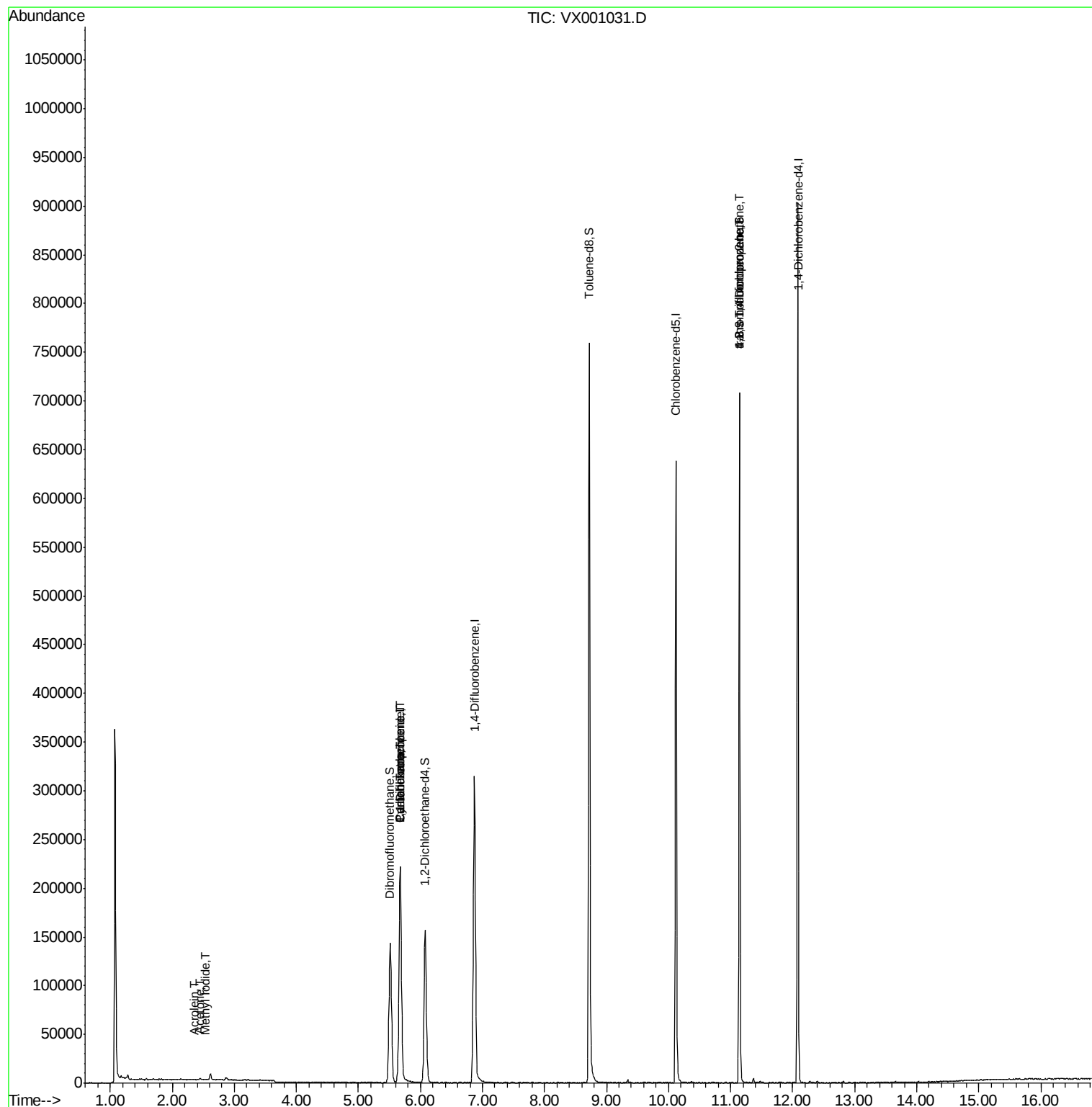
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	187	Below Cal	#	60
10) Methyl Iodide	2.53	142	82	7.63	ug/l #	41
13) Acrolein	2.34	56	48	11.26	ug/l #	16
16) Acetone	2.45	43	1280	1.14	ug/l	99
20) Methylene Chloride	2.87	84	979	Below Cal	#	86
31) Cyclohexane	5.67	56	4013	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14688	3.76	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20361	5.14	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	89915	26.76	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	89915	80.03	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: VX001031.D

Acq: 21 Apr 2018 01:37

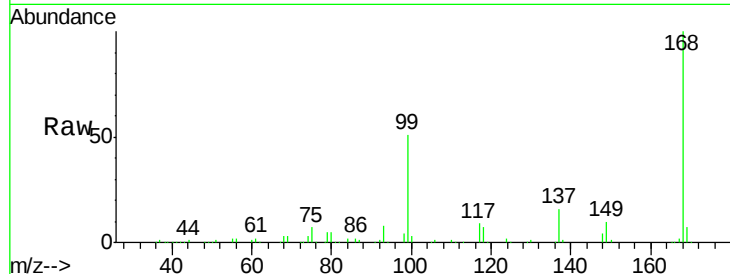
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 236185

Ion Ratio Lower Upper

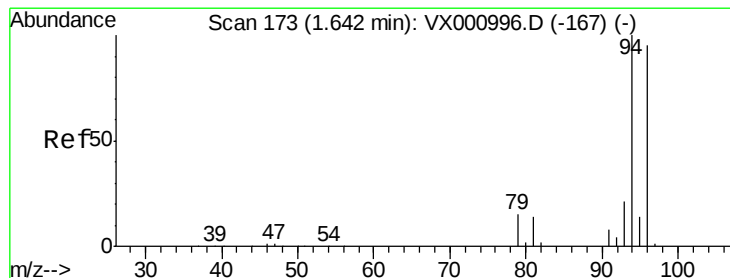
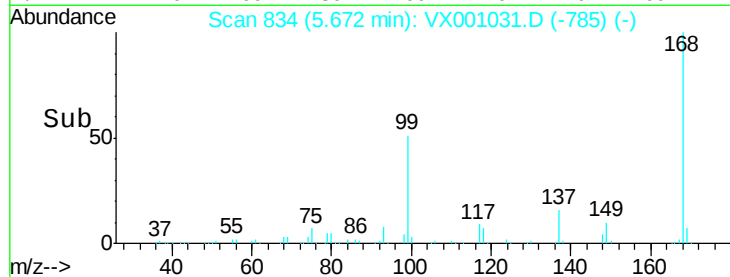
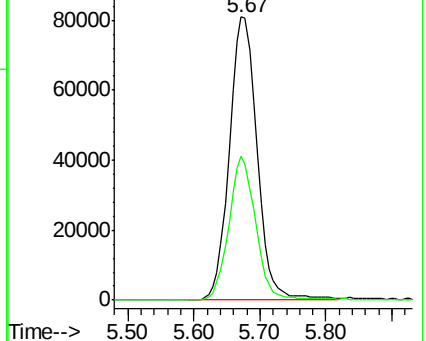
168 100

99 50.8 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: VX001031.D

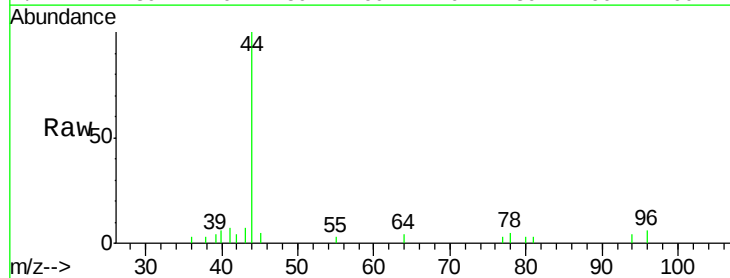
Acq: 21 Apr 2018 01:37

Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

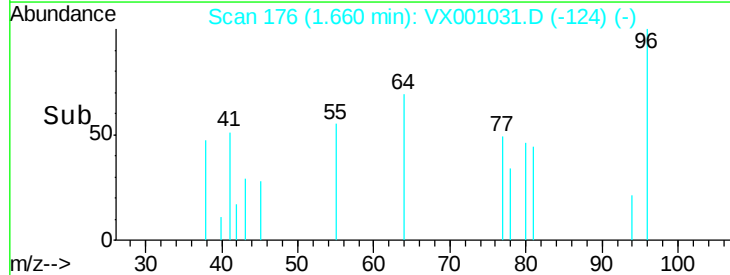
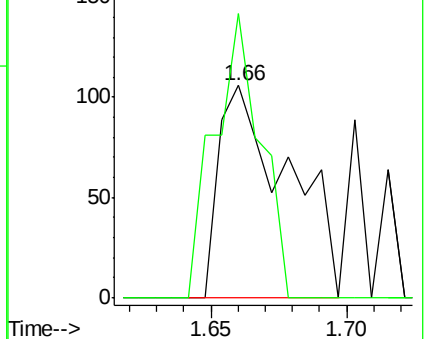
94 100

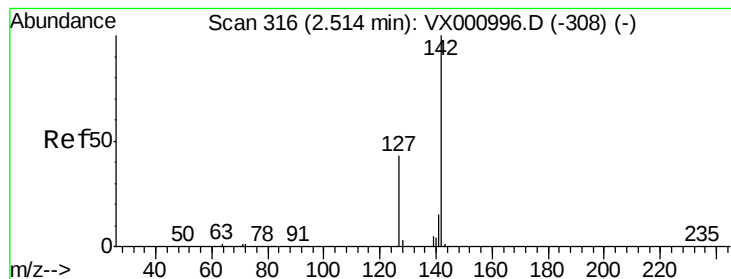
96 134.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methvl Iodide

Concen: 7.63 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX001031.D

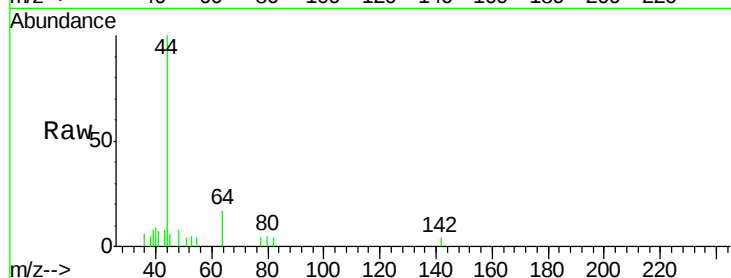
Acq: 21 Apr 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

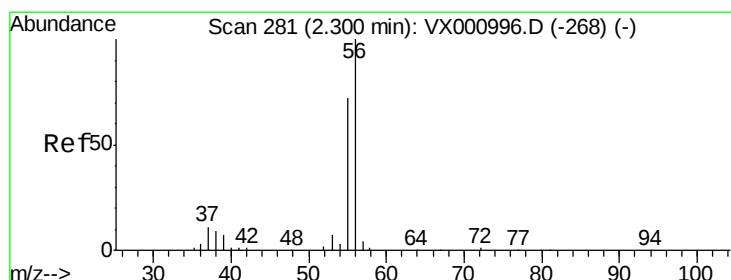
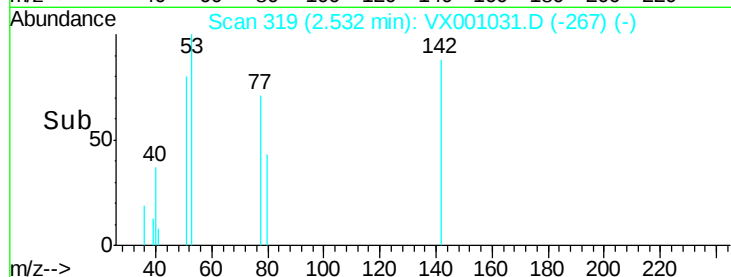
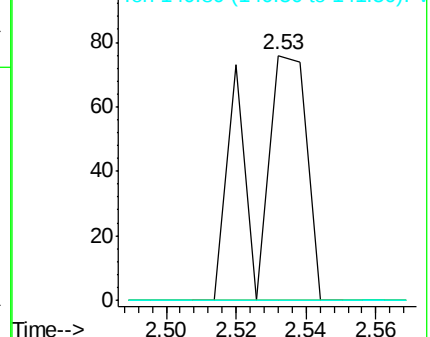
Tot Ion:142	Resp:	82
Ion Ratio	Lower	Upper
142 100		
127 0.0	34.0	51.0#
141 0.0	11.4	17.2#



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



#13

Acrolein

Concen: 11.26 ug/l

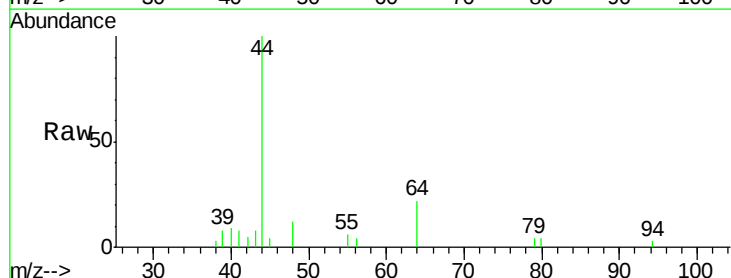
RT: 2.34 min Scan# 288

Delta R.T. 0.04 min

Lab File: VX001031.D

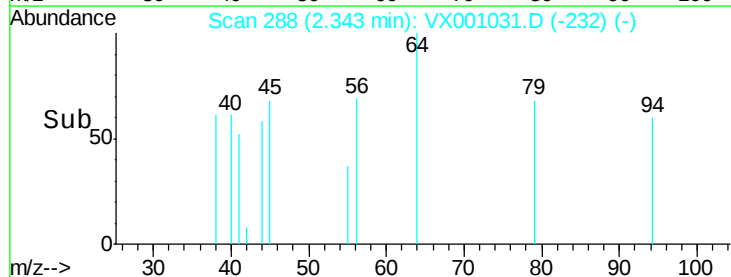
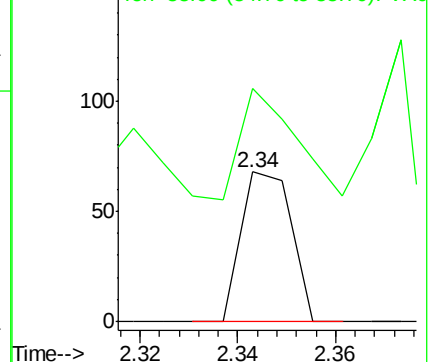
Acq: 21 Apr 2018 01:37

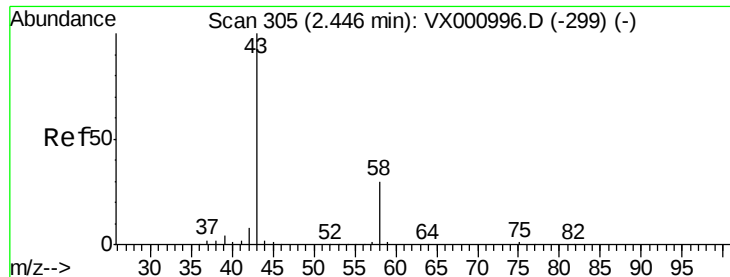
Tgt Ion: 56	Resp:	48
Ion Ratio	Lower	Upper
56 100		
55 141.7	57.4	86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.14 ua/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Instrument :

MSVOA_X

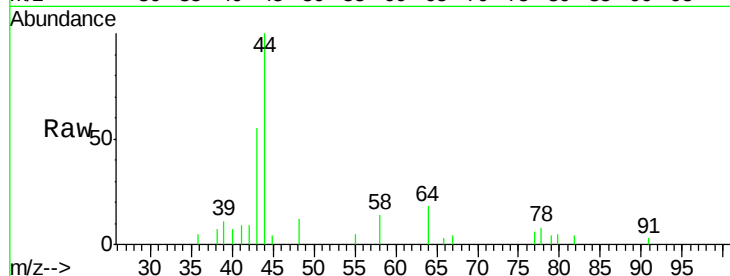
ClientSampled :

Tot Ion: 43 Resp: 1280

Ion Ratio Lower Upper

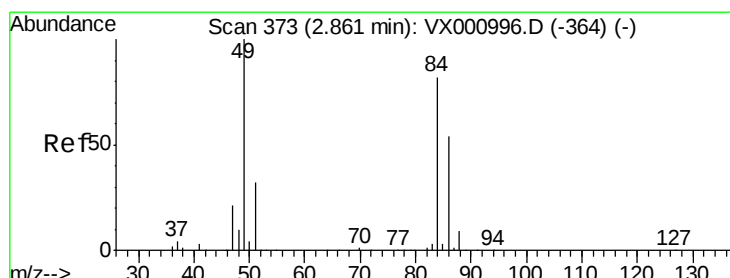
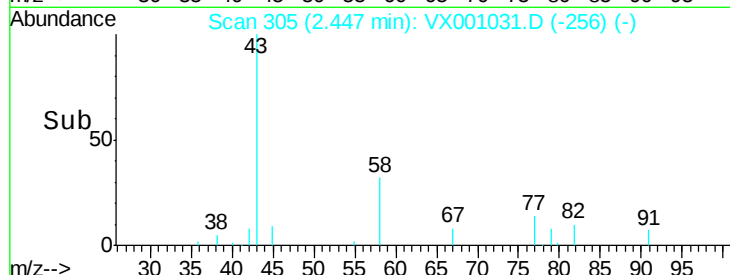
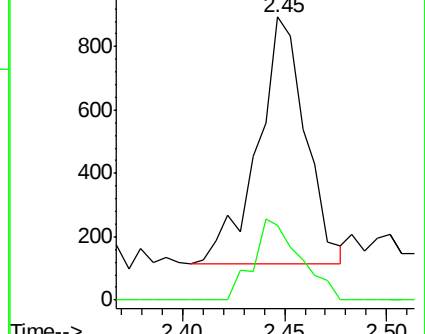
43 100

58 30.0 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Tgt Ion: 84 Resp: 979

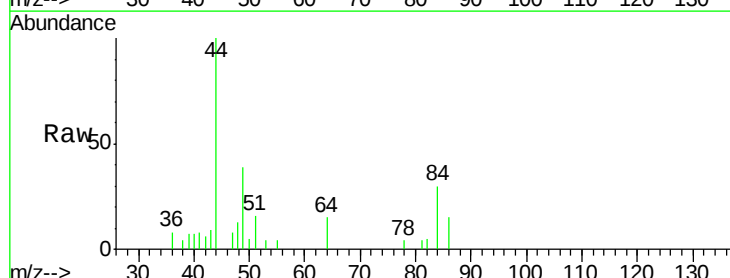
Ion Ratio Lower Upper

84 100

49 129.9 97.1 145.7

51 53.0 30.8 46.2#

86 49.6 52.3 78.5#

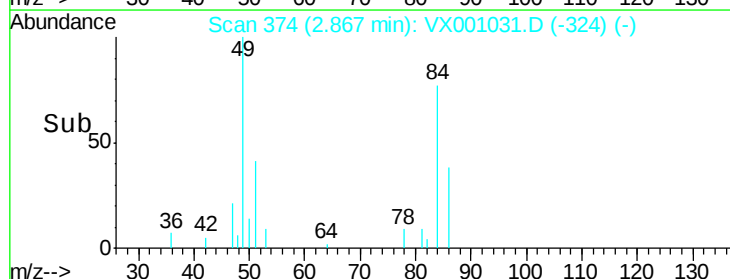
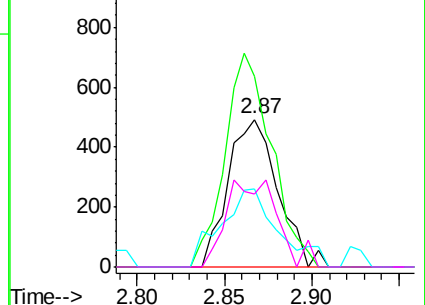


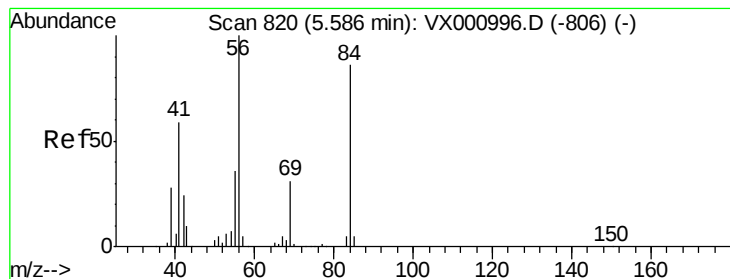
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

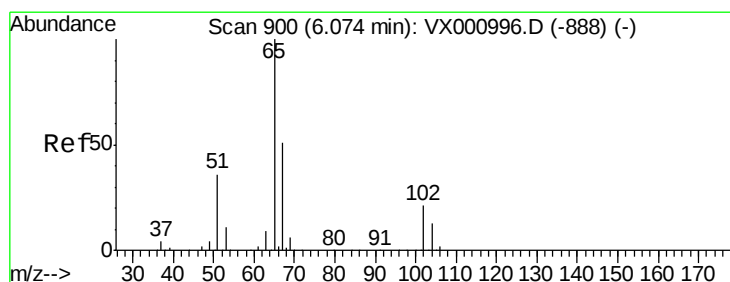
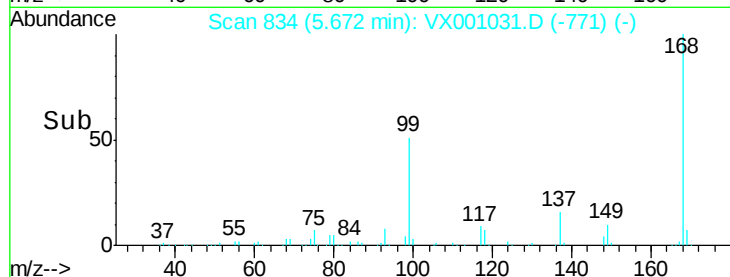
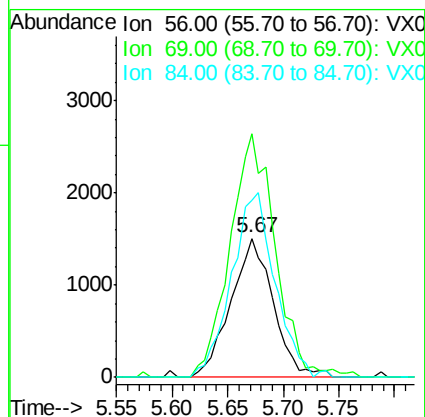
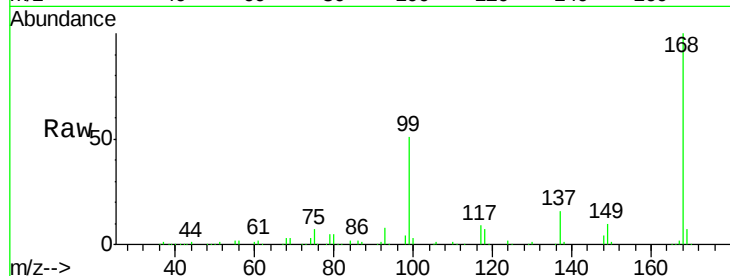
Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4013

Ion	Ratio	Lower	Upper
56	100		
69	175.1	24.6	36.8#
84	127.3	69.0	103.6#



#33

1,2-Dichloroethane-d4

Concen: 51.12 ug/l

RT: 6.07 min Scan# 900

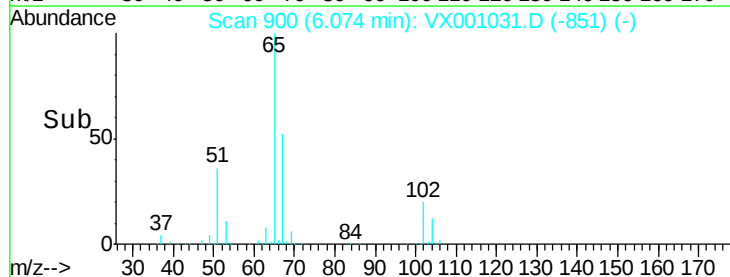
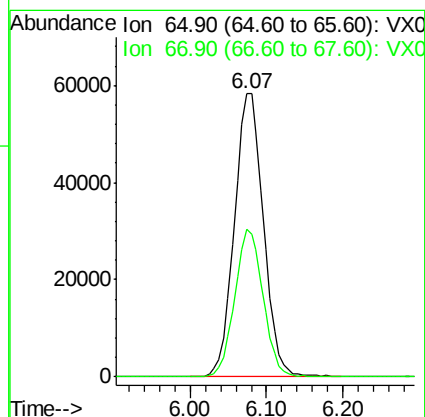
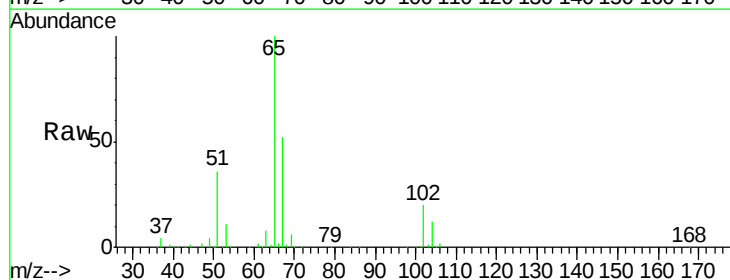
Delta R.T. 0.00 min

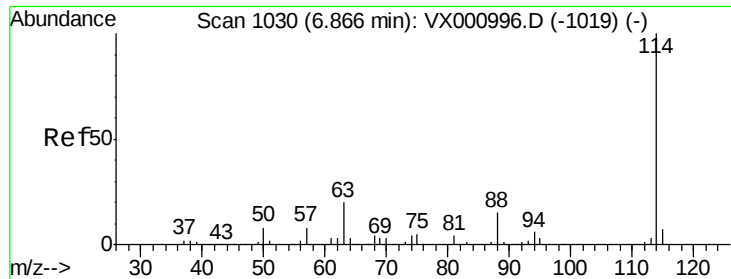
Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Tgt Ion: 65 Resp: 153040

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

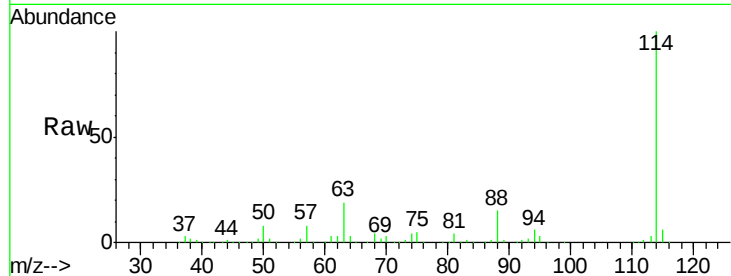
Tot Ion:114 Resp: 332748

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

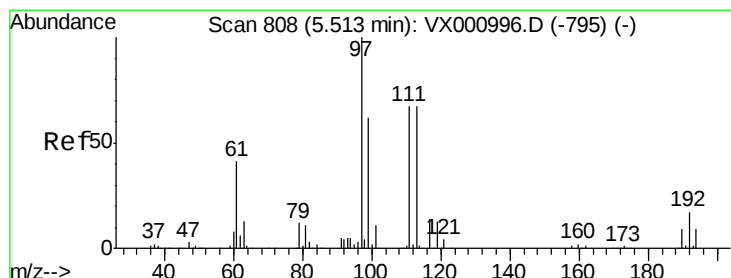
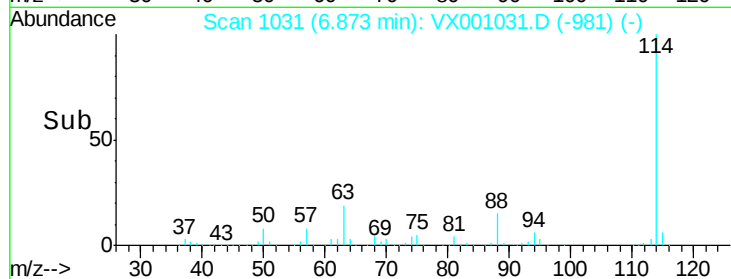
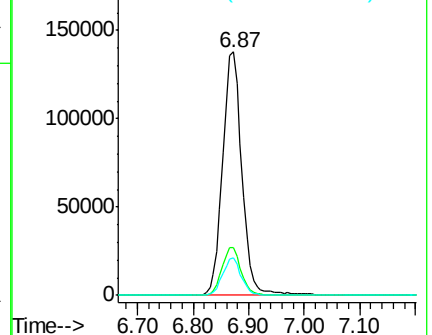
88 15.5 0.0 29.8



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: 46.53 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

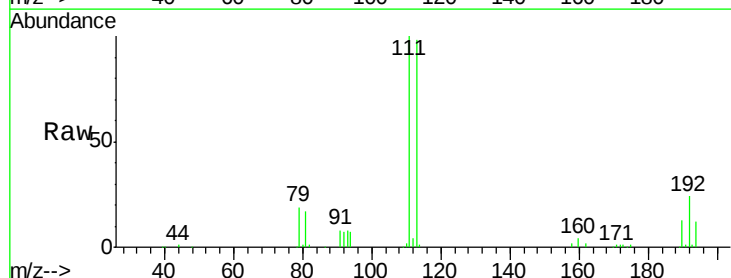
Tgt Ion:113 Resp: 118059

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

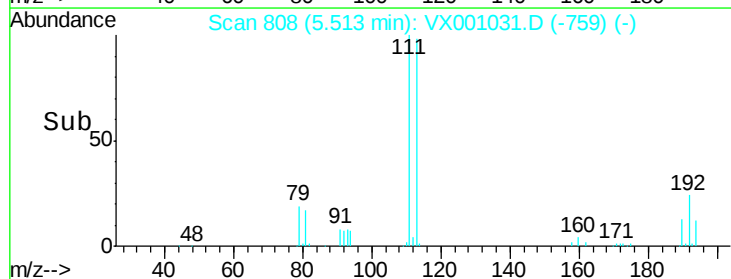
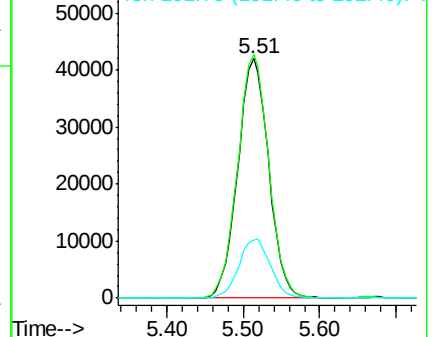
192 25.1 20.4 30.6

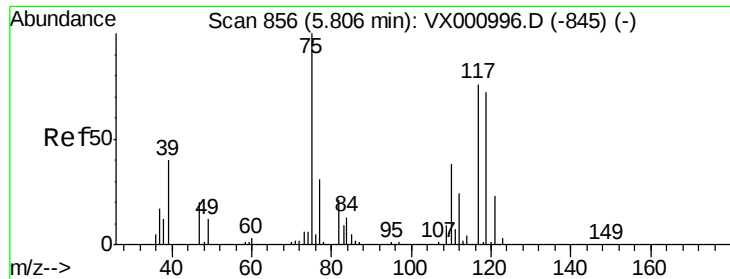


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

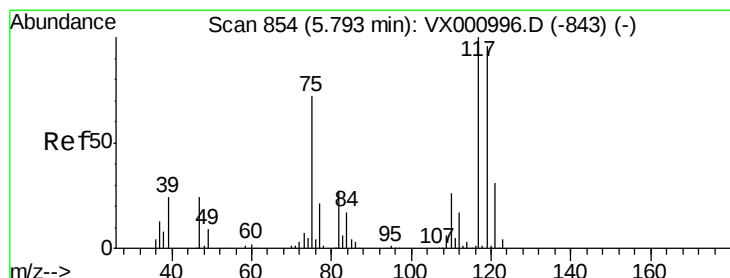
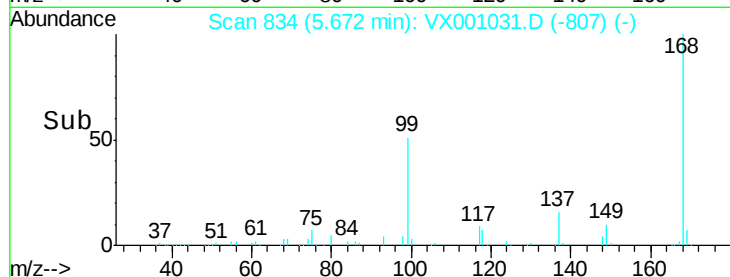
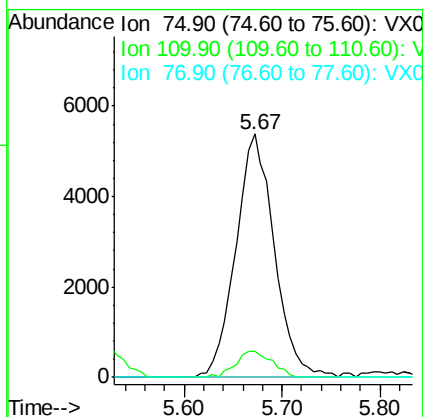
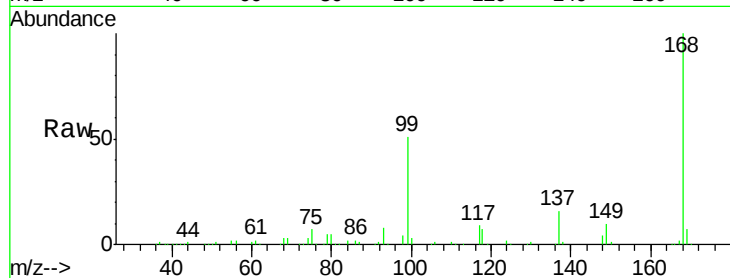




#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001031.D
 Acq: 21 Apr 2018 01:37

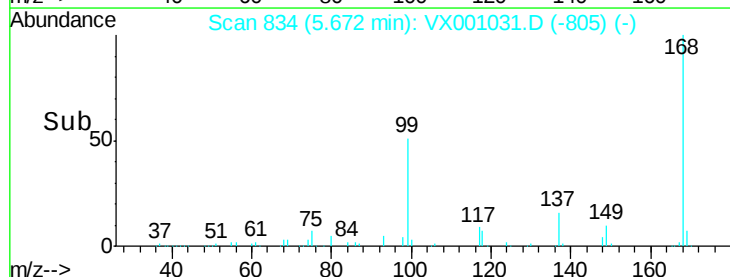
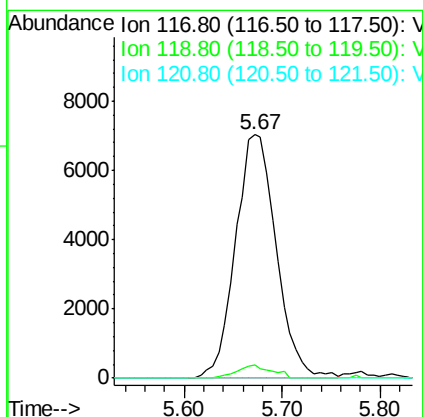
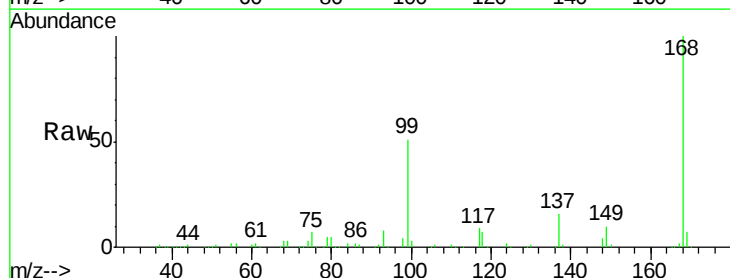
Instrument :
 MSVOA_X
 ClientSampleId :

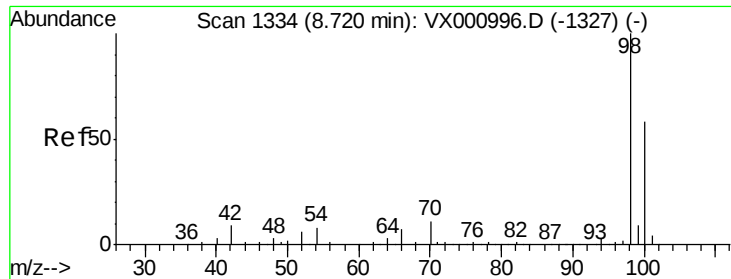
Tot Ion: 75 Resp: 14688
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.14 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001031.D
 Acq: 21 Apr 2018 01:37

Tgt Ion: 117 Resp: 20361
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.5 114.7#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Instrument :

MSVOA_X

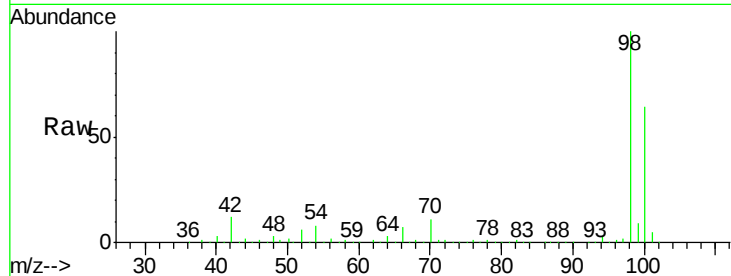
ClientSampleId :

Tot Ion: 98 Resp: 467339

Ion Ratio Lower Upper

98 100

100 63.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX000996.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX000996.D (-1327) (-)

8.72

300000

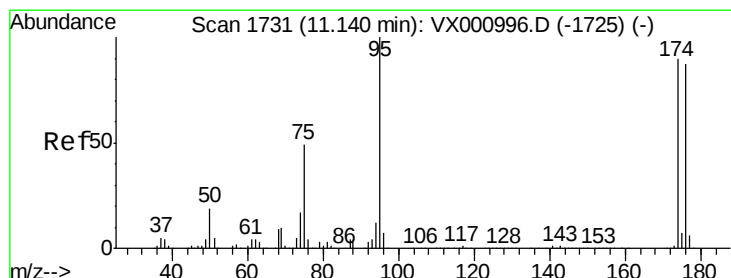
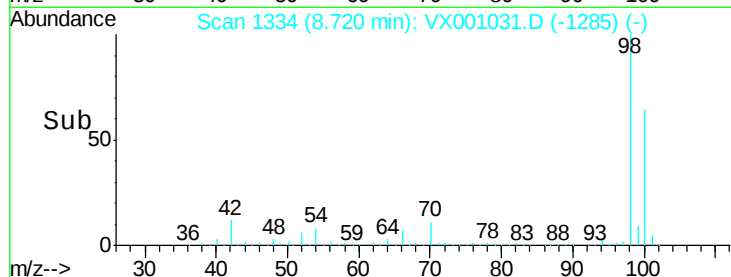
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

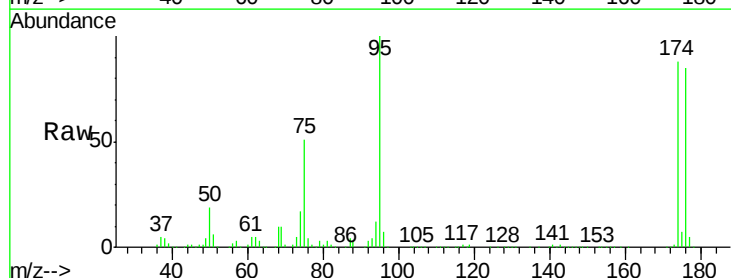
Tgt Ion: 95 Resp: 178041

Ion Ratio Lower Upper

95 100

174 97.0 0.0 198.4

176 94.6 0.0 192.0



Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)

11.14

150000

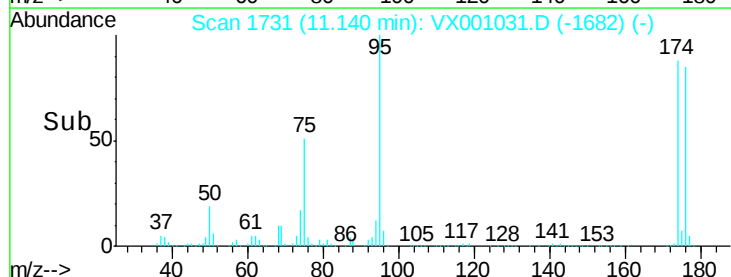
100000

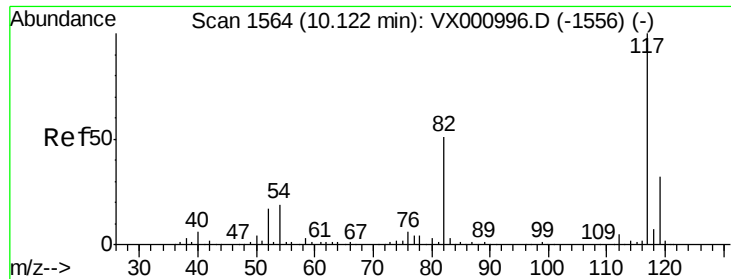
50000

0

11.10 11.20

Time-->

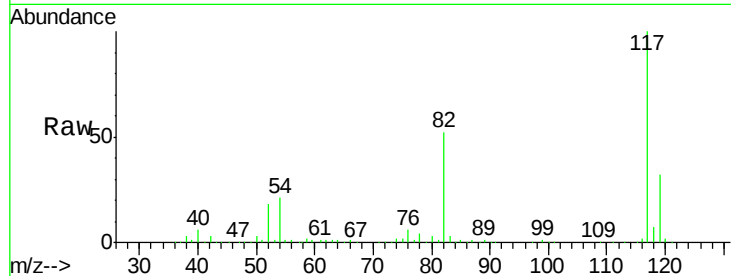




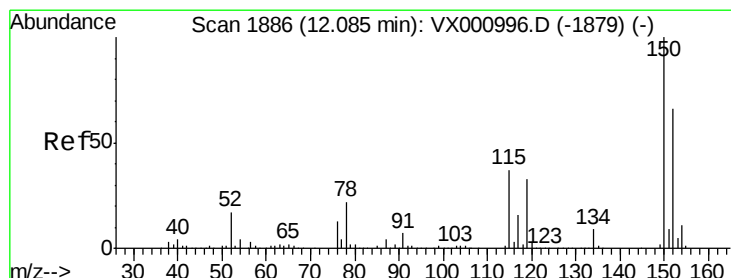
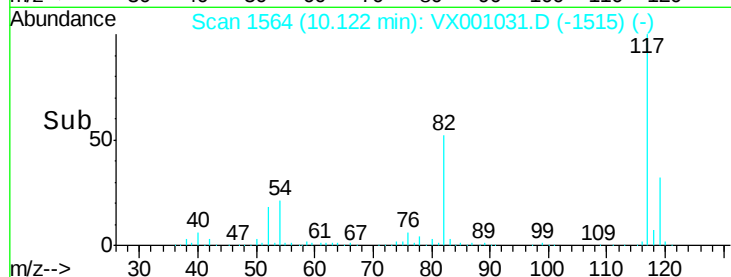
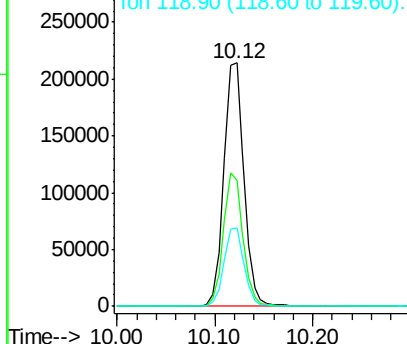
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001031.D
Acq: 21 Apr 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 307452
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 32.2 26.0 39.0

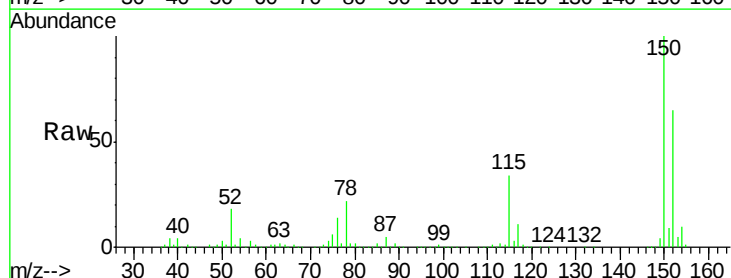


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

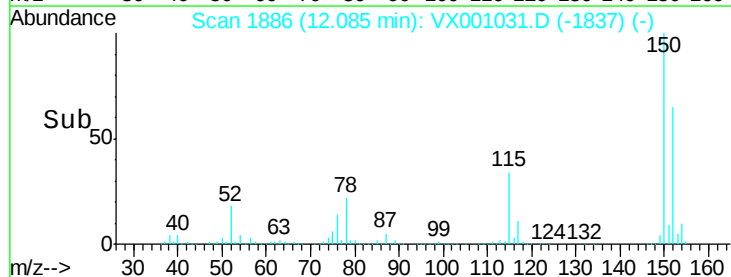
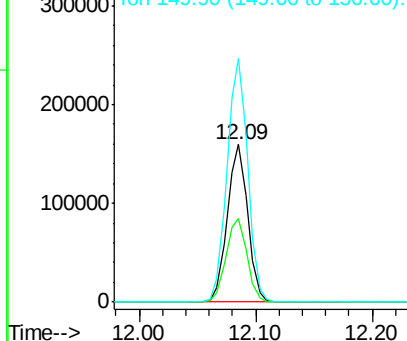


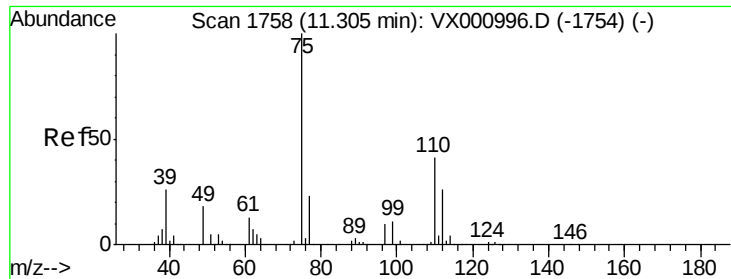
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001031.D
Acq: 21 Apr 2018 01:37

Tgt Ion:152 Resp: 193664
Ion Ratio Lower Upper
152 100
115 54.3 38.2 114.6
150 156.2 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: 26.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

Instrument :

MSVOA_X

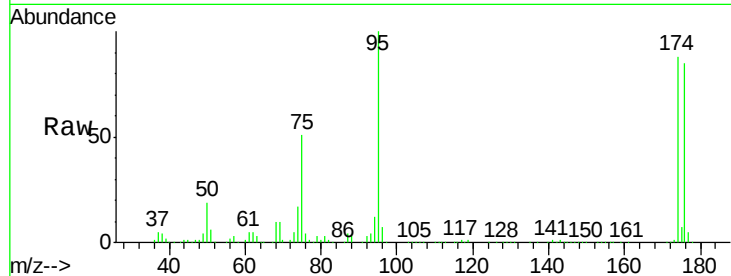
ClientSampleId :

Tot Ion: 75 Resp: 89915

Ion Ratio Lower Upper

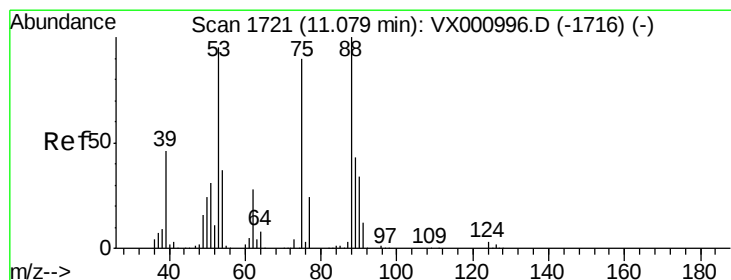
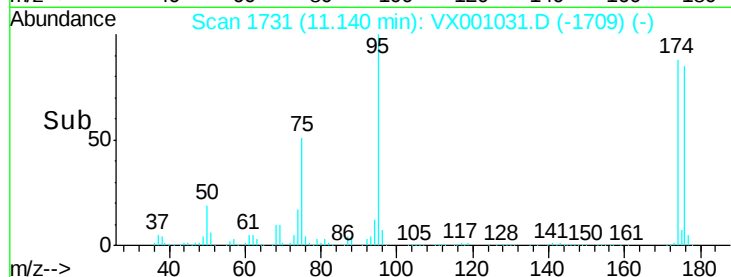
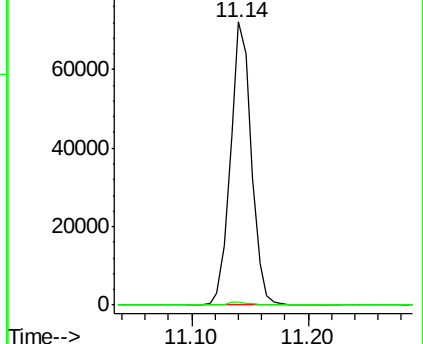
75 100

77 1.1 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: 80.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001031.D

Acq: 21 Apr 2018 01:37

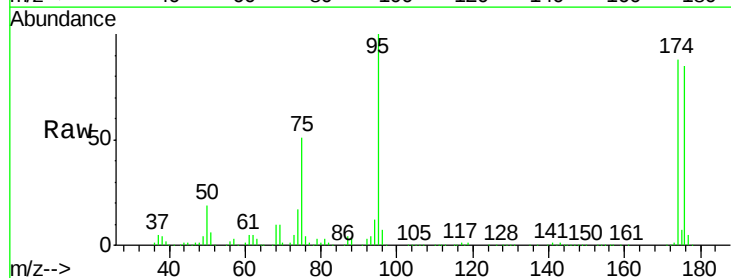
Tgt Ion: 75 Resp: 89915

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



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

