

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001042.D
 Acq On : 21 Apr 2018 06:16
 Operator : JC/MD
 Sample : J2377-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 06:54:28 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	230663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206897	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	152781	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	118644	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.72	98	460982	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	179682	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

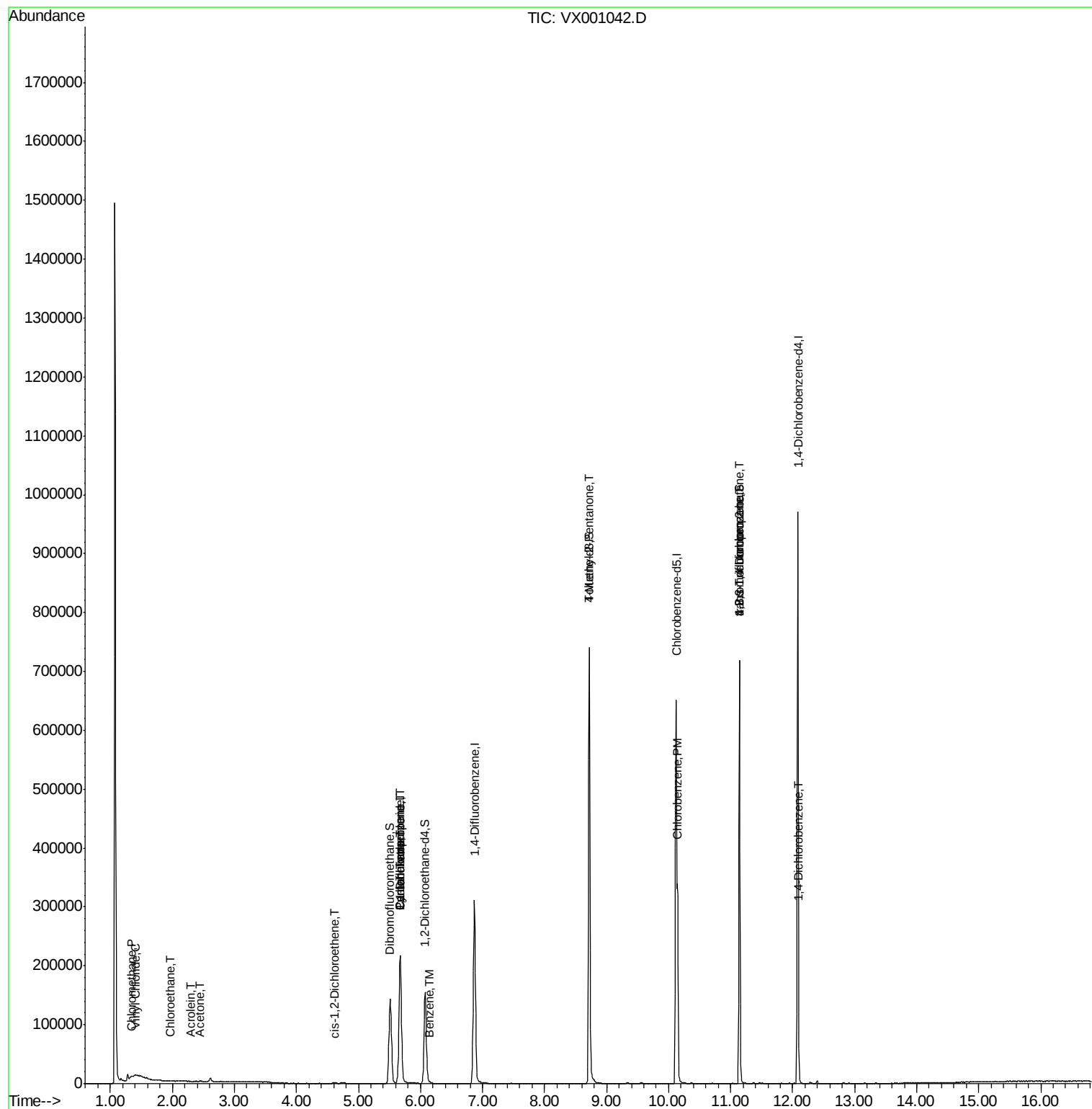
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.35	50	662	0.25	ug/l #	42
4) Vinyl Chloride	1.41	62	1098	0.40	ug/l #	47
5) Bromomethane	1.65	94	151	Below Cal	#	2
6) Chloroethane	1.98	64	334	0.20	ug/l #	79
13) Acrolein	2.29	56	23	11.09	ug/l #	14
16) Acetone	2.45	43	947	0.86	ug/l	93
20) Methylene Chloride	2.87	84	47	Below Cal	#	7
27) cis-1,2-Dichloroethene	4.60	96	1003	0.36	ug/l	77
31) Cyclohexane	5.68	56	4065	0.99	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	14773	3.88	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19744	5.12	ug/l #	16
40) Benzene	6.15	78	2234	0.21	ug/l #	79
51) 4-Methyl-2-Pentanone	8.72	43	2356	0.65	ug/l #	1
65) Chlorobenzene	10.15	112	139334	17.01	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	91596	25.52	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	91596	76.47	ug/l #	8
88) 1,4-Dichlorobenzene	12.10	146	2795	0.37	ug/l #	28

(#) = 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: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

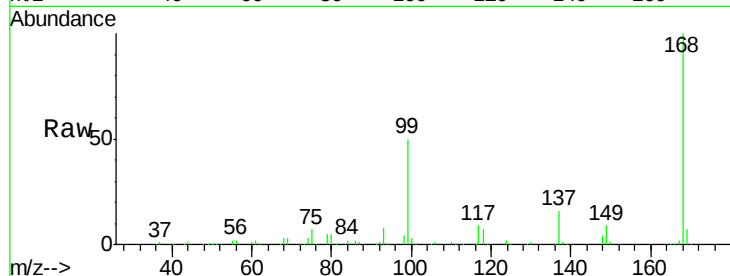
ClientSampleId :

Tot Ion:168 Resp: 230663

Ion Ratio Lower Upper

168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

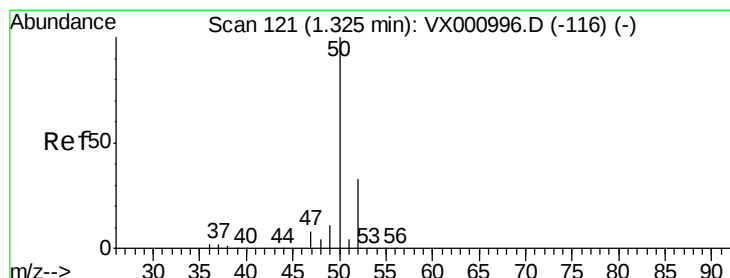
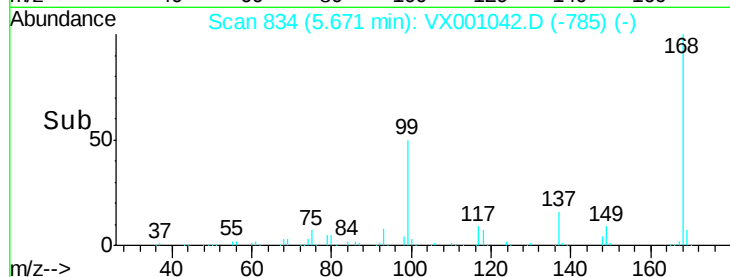
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.35 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX001042.D

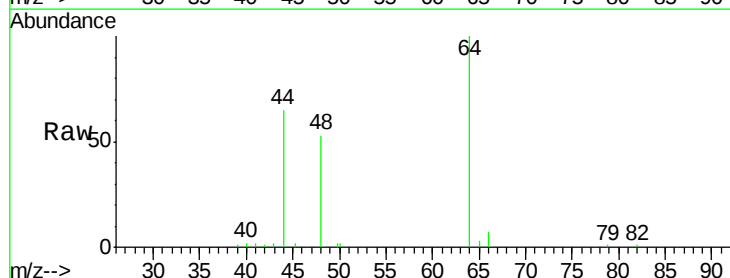
Acq: 21 Apr 2018 06:16

Tgt Ion: 50 Resp: 662

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.35

250

200

150

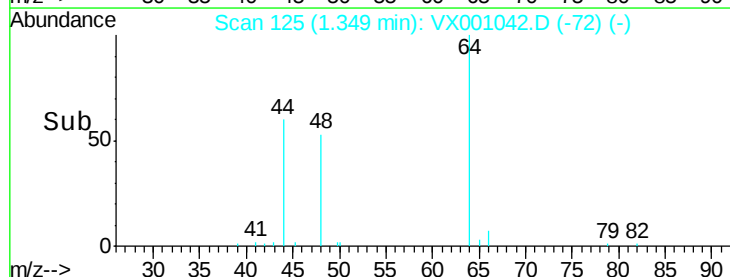
100

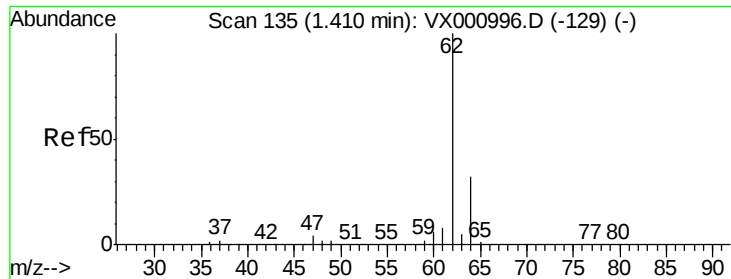
50

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.40 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

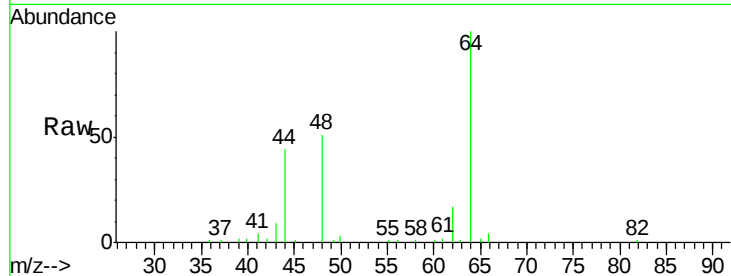
ClientSampleId :

Tot Ion: 62 Resp: 1098

Ion Ratio Lower Upper

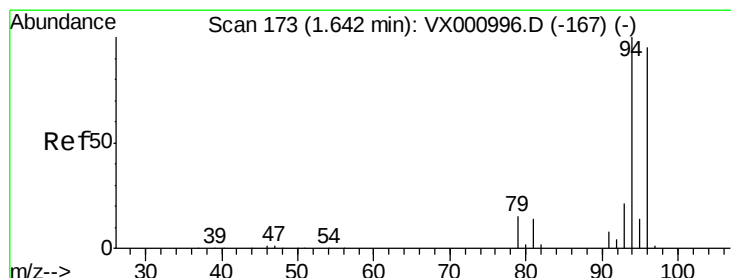
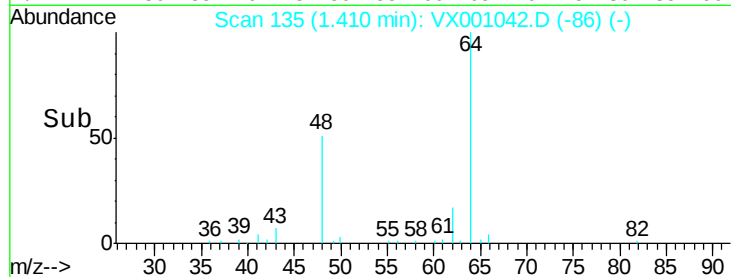
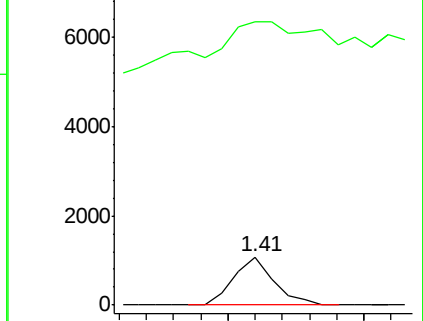
62 100

64 61.3 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001042.D

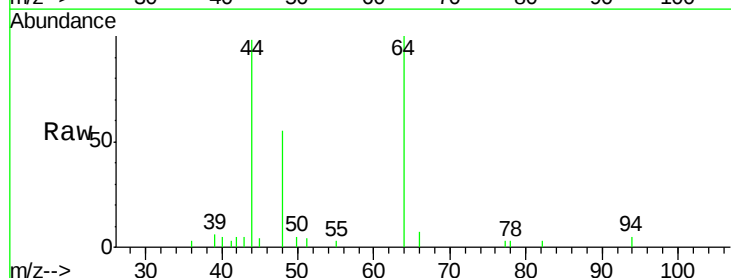
Acq: 21 Apr 2018 06:16

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

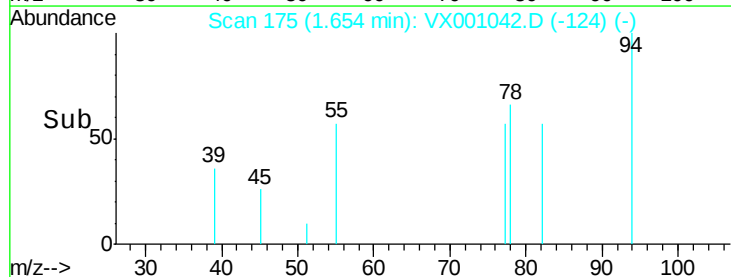
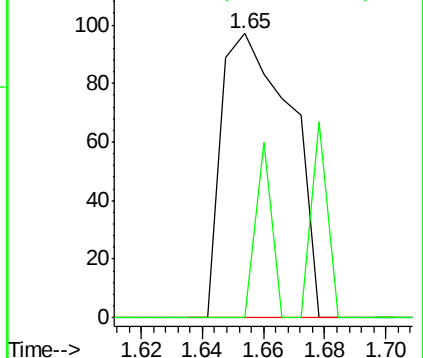
94 100

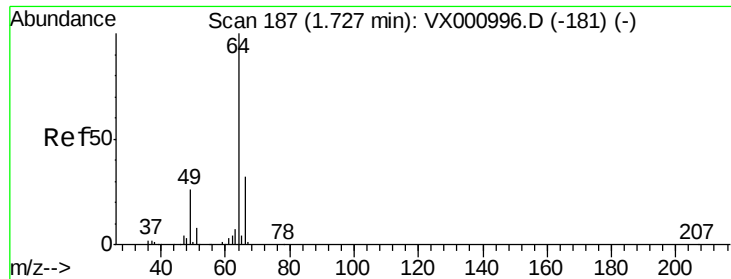
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.20 ug/l

RT: 1.98 min Scan# 228

Delta R.T. 0.25 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

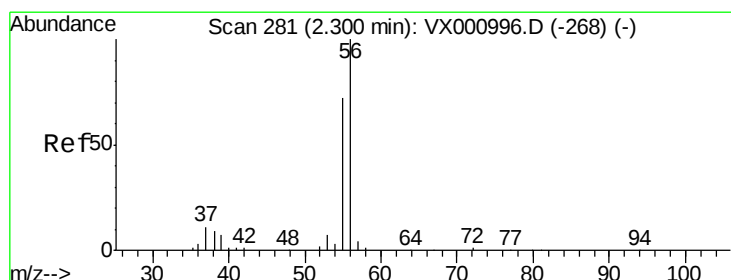
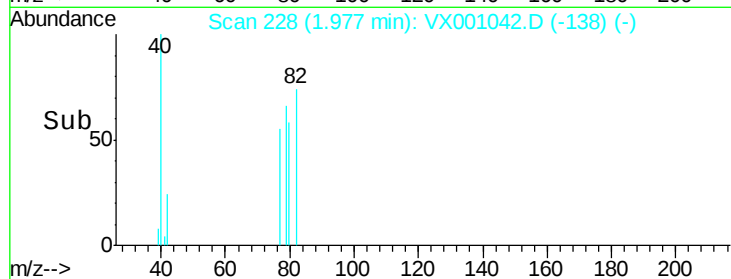
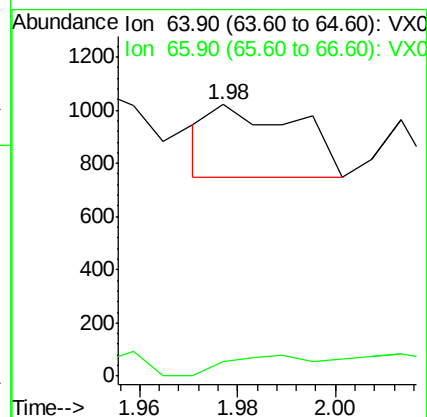
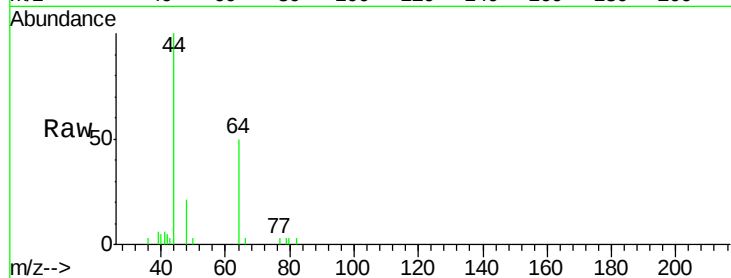
ClientSampled :

Tot Ion: 64 Resp: 334

Ion Ratio Lower Upper

64 100

66 20.0 25.3 37.9#



#13

Acrolein

Concen: 11.09 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001042.D

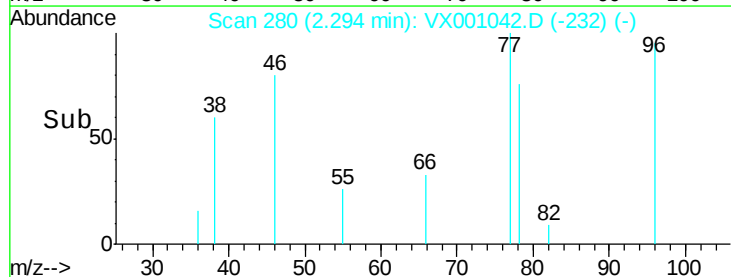
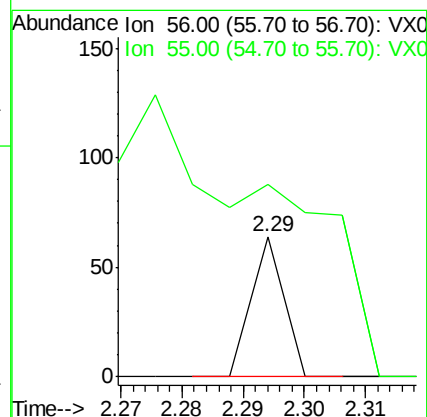
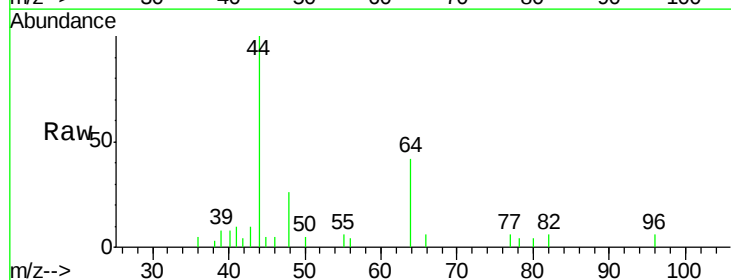
Acq: 21 Apr 2018 06:16

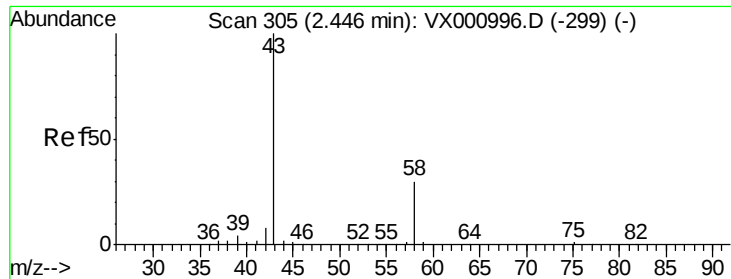
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#





#16

Acetone

Concen: 0.86 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

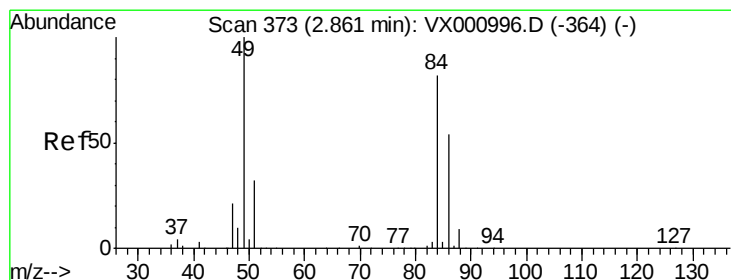
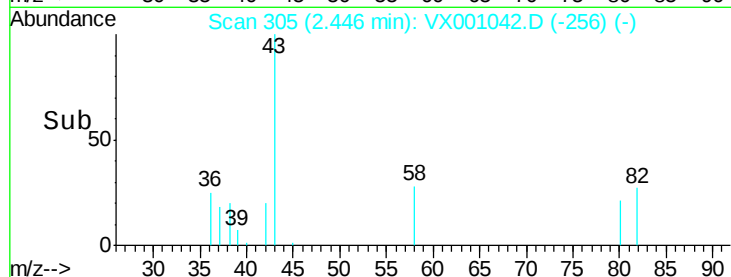
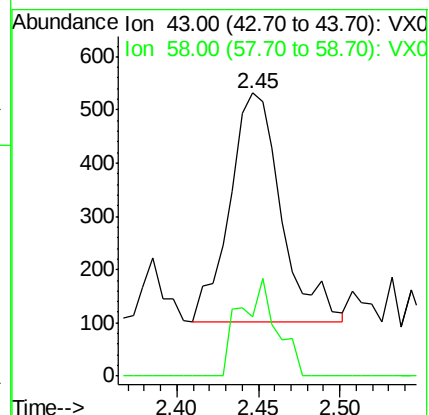
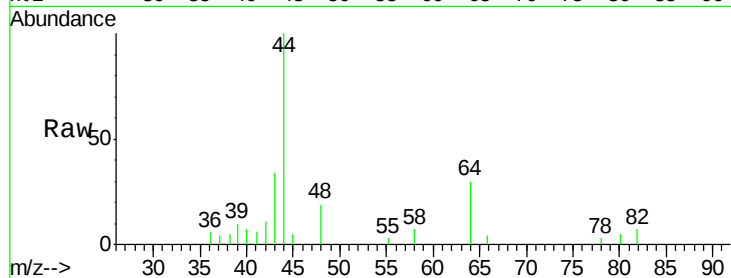
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

58 26.0 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Tgt Ion: 84 Resp: 47

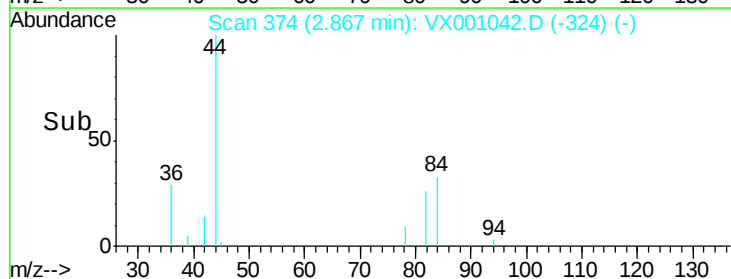
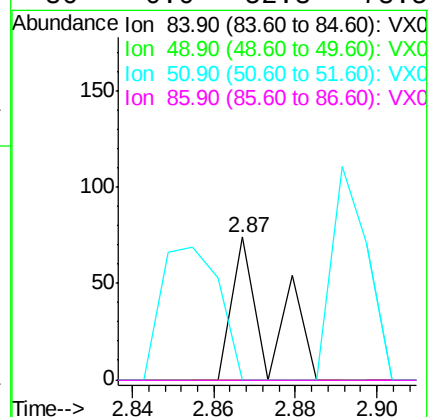
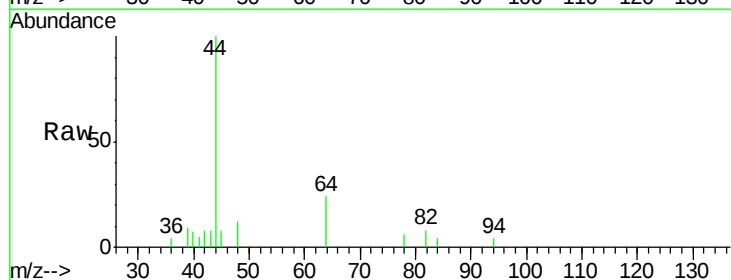
Ion Ratio Lower Upper

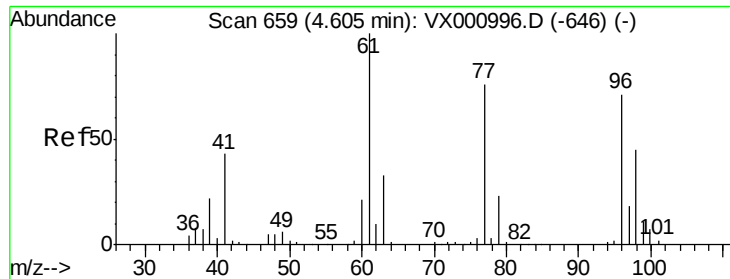
84 100

49 0.0 97.1 145.7#

51 0.0 30.8 46.2#

86 0.0 52.3 78.5#



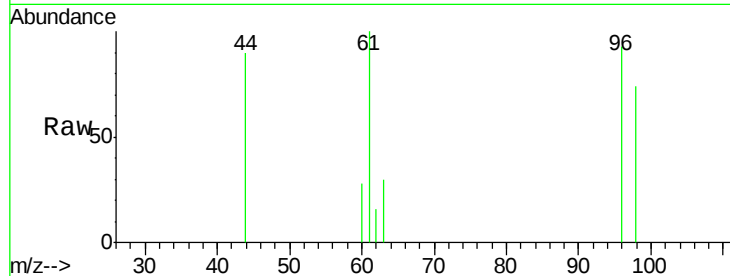


#27

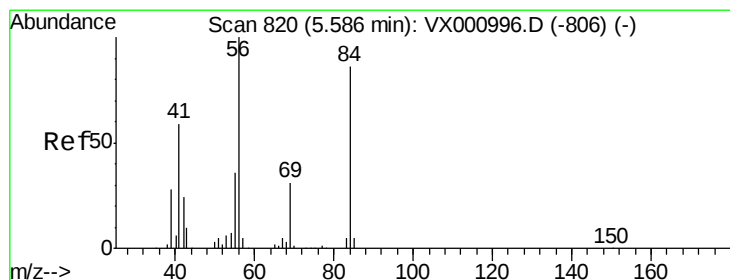
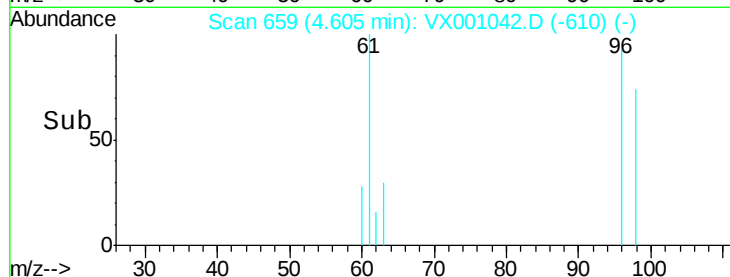
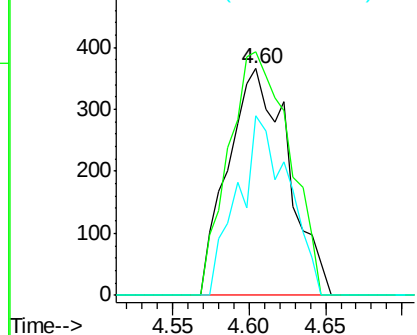
cis-1,2-Dichloroethene
Concen: 0.36 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 1003
Ion Ratio Lower Upper
96 100
61 108.1 0.0 297.0
98 66.3 0.0 130.0



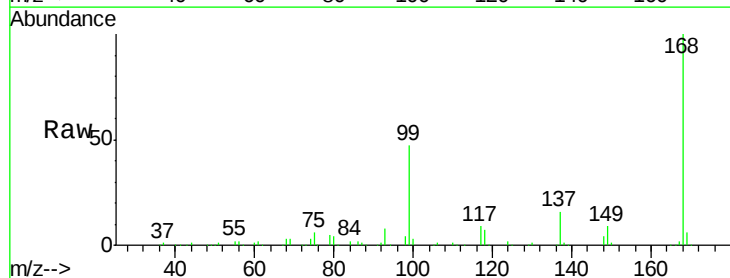
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



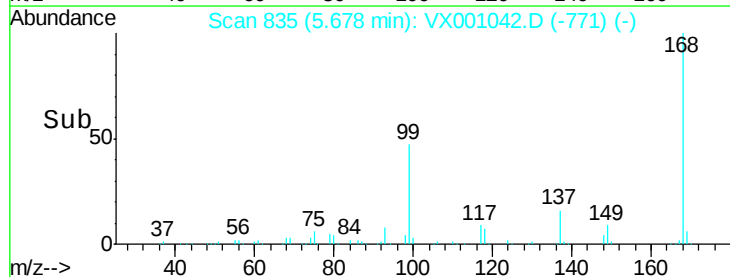
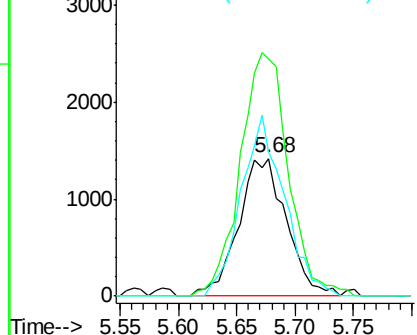
#31

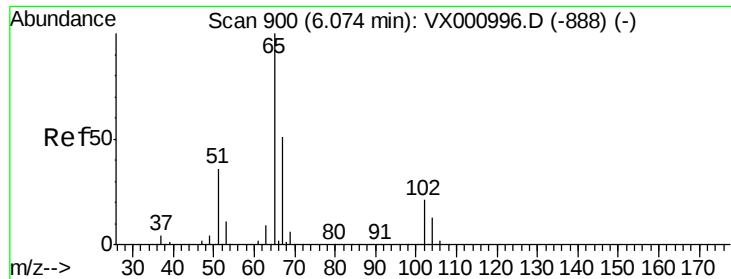
Cyclohexane
Concen: 0.99 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Tgt Ion: 56 Resp: 4065
Ion Ratio Lower Upper
56 100
69 171.9 24.6 36.8#
84 104.4 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: 52.25 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

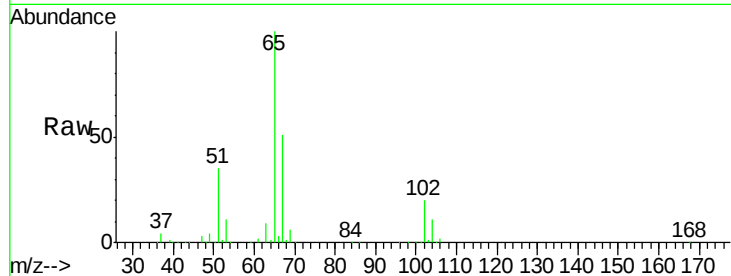
ClientSampleId :

Tot Ion: 65 Resp: 152781

Ion Ratio Lower Upper

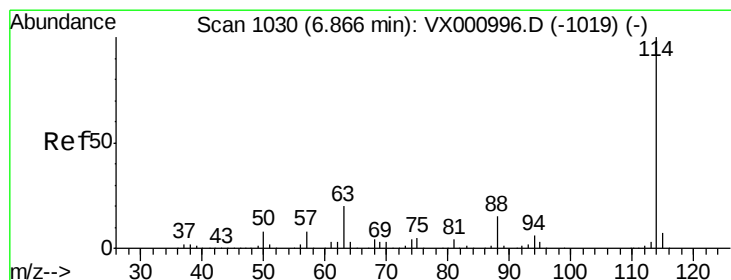
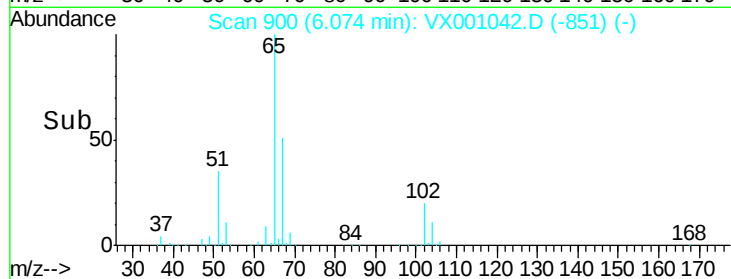
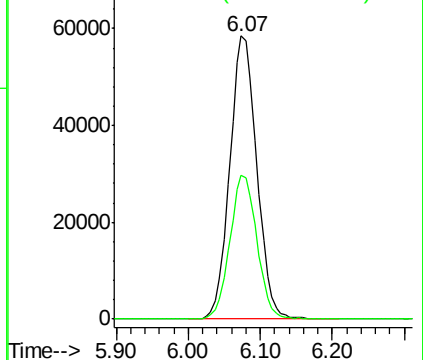
65 100

67 51.0 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# 1031

Delta R.T. 0.01 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

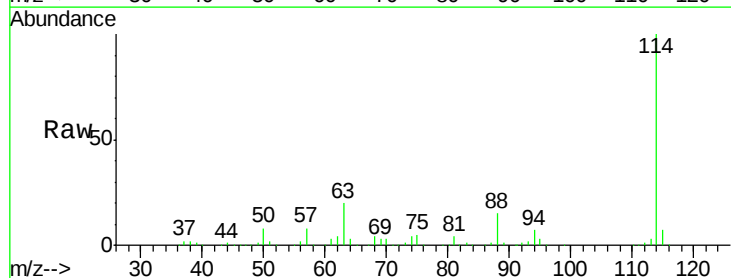
Tgt Ion: 114 Resp: 324066

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

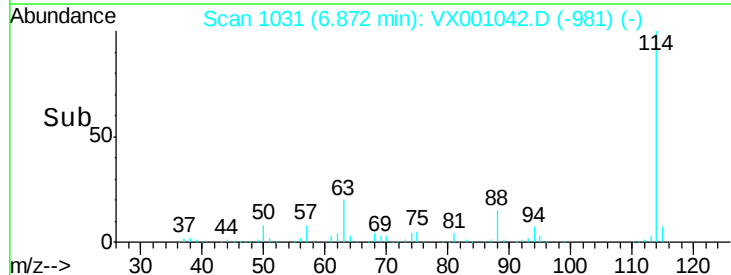
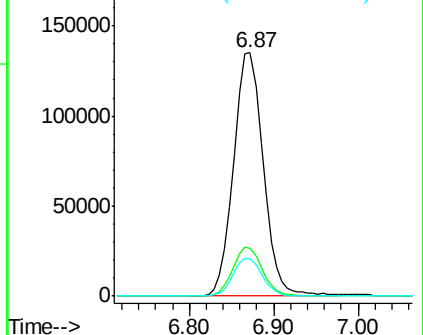
88 15.2 0.0 29.8

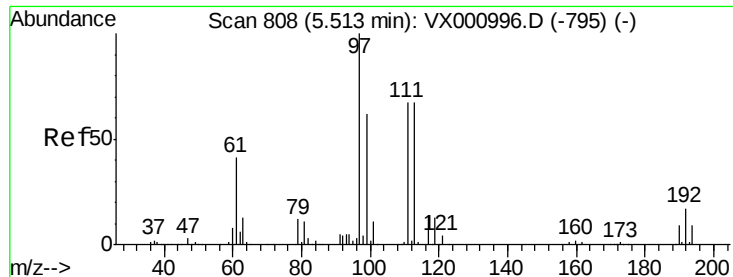


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.01 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

ClientSampled :

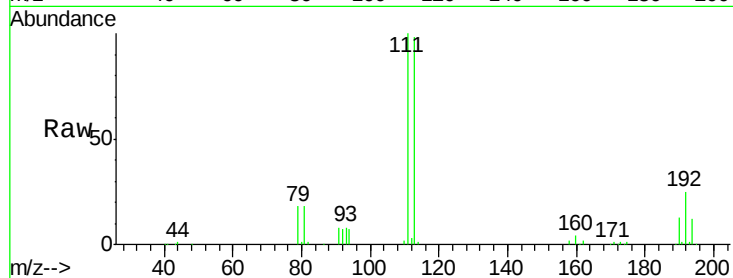
Tot Ion:113 Resp: 118644

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.2

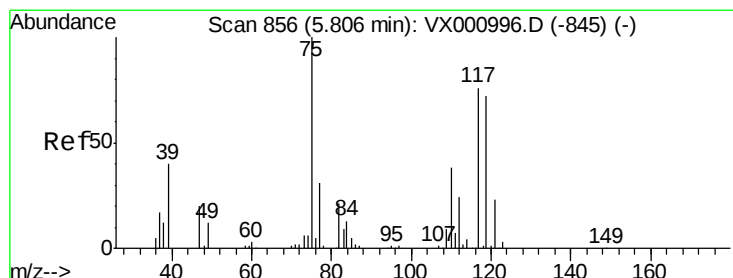
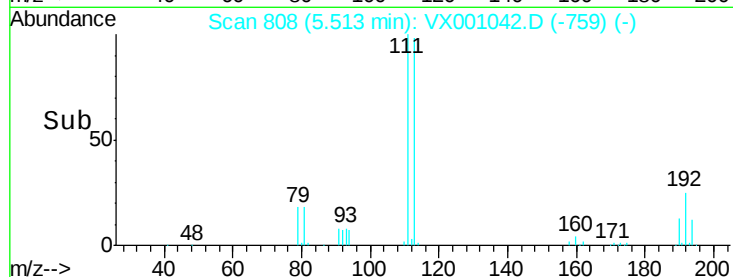
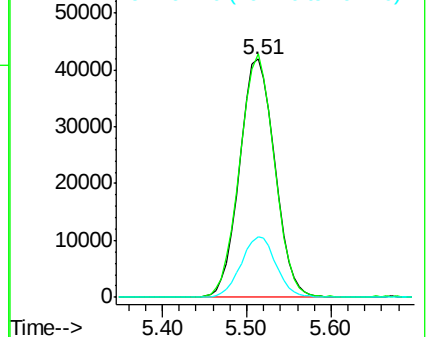
192 25.2 20.4 30.6



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: 3.88 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

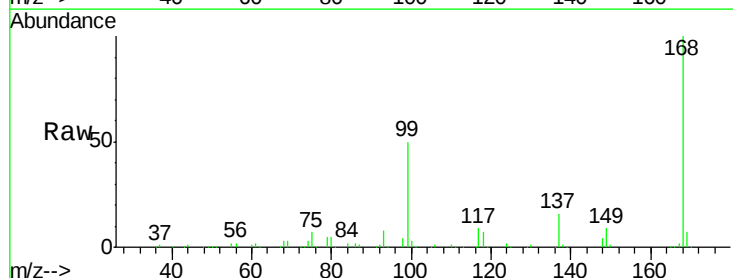
Tgt Ion: 75 Resp: 14773

Ion Ratio Lower Upper

75 100

110 8.8 18.7 56.1#

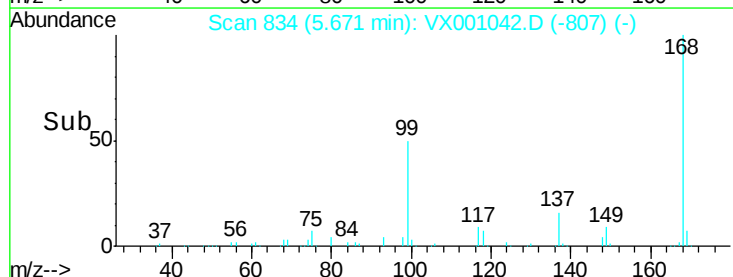
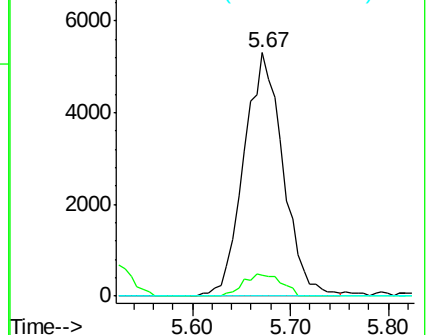
77 0.0 25.0 37.4#

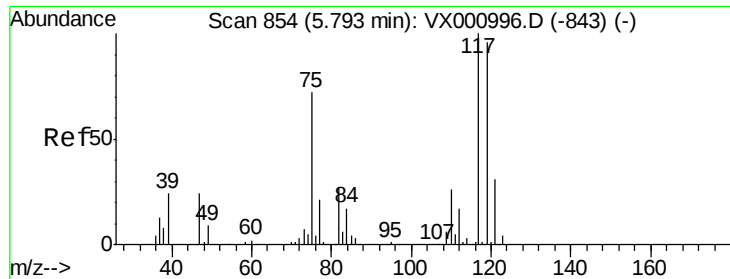


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.12 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

ClientSampled :

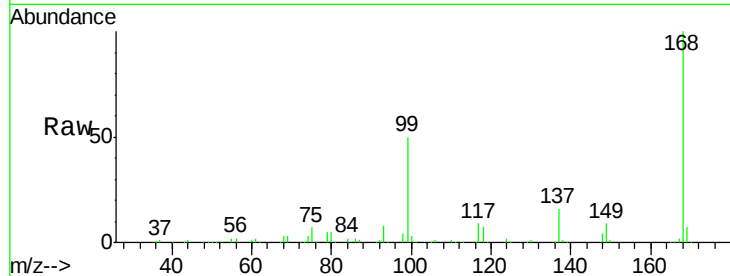
Tot Ion:117 Resp: 19744

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

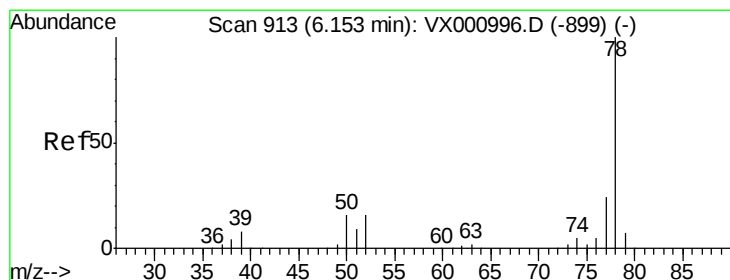
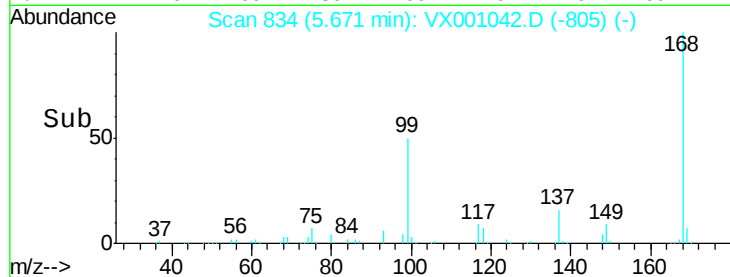
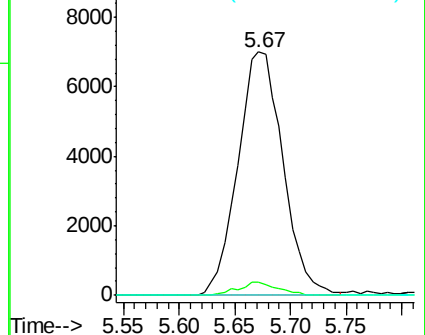
121 0.0 24.5 36.7#



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



#40

Benzene

Concen: 0.21 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001042.D

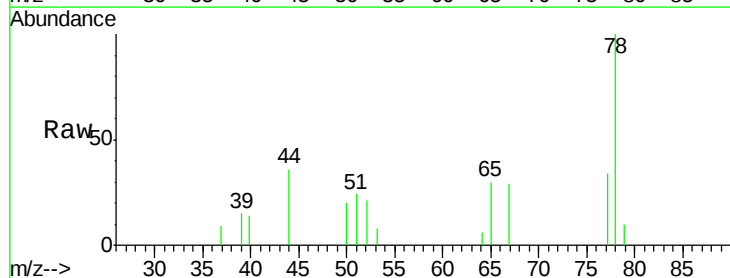
Acq: 21 Apr 2018 06:16

Tgt Ion: 78 Resp: 2234

Ion Ratio Lower Upper

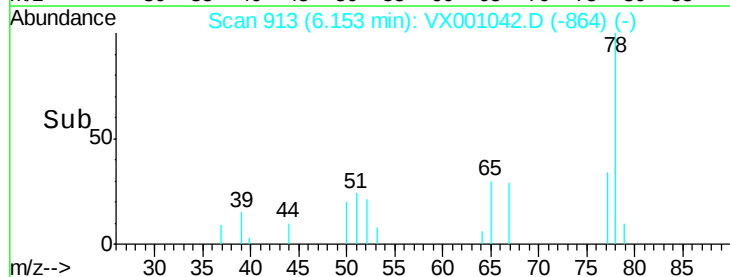
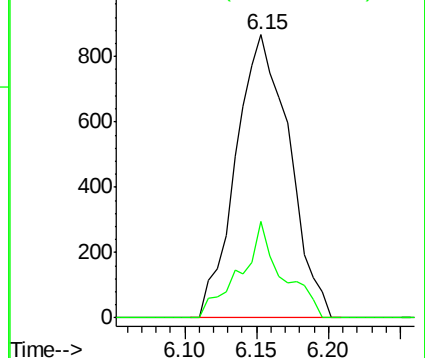
78 100

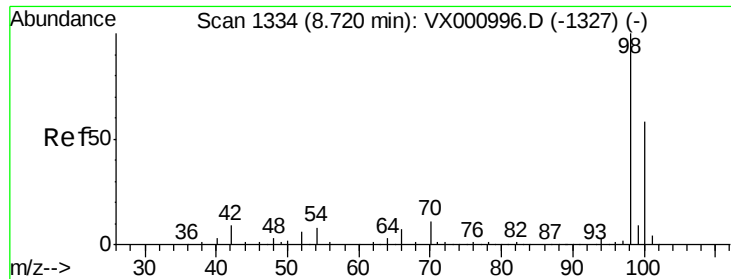
77 33.9 18.9 28.3#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

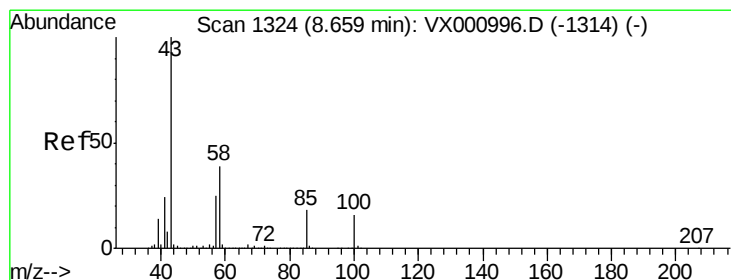
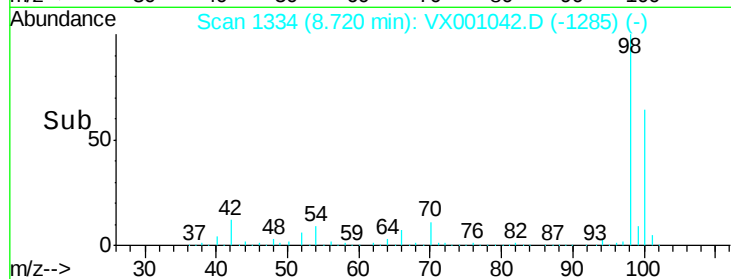
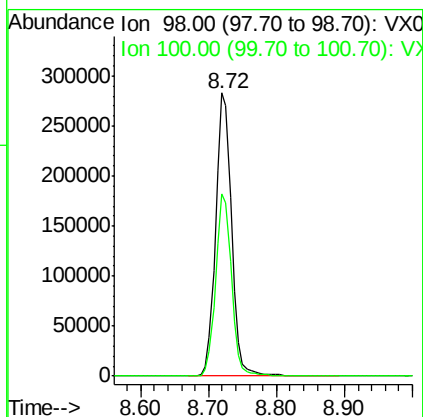
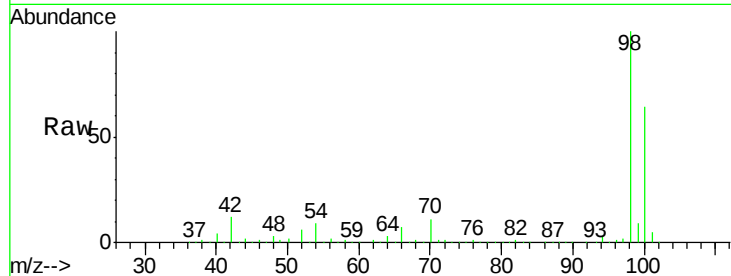




#50
Toluene-d8
Concen: 50.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

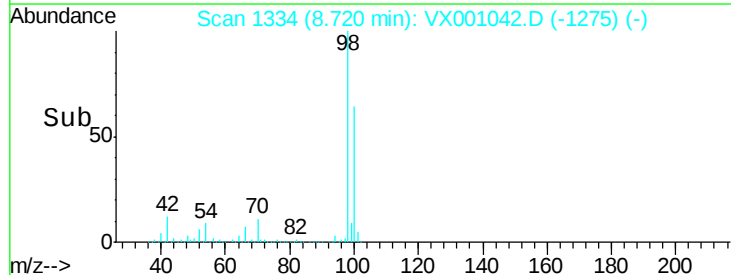
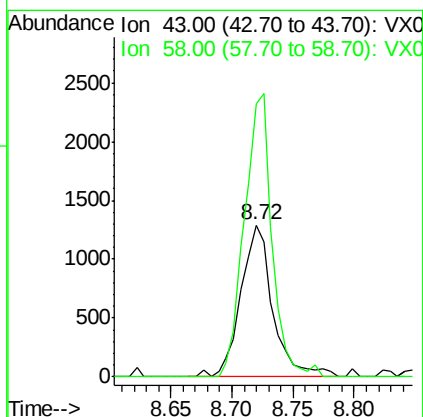
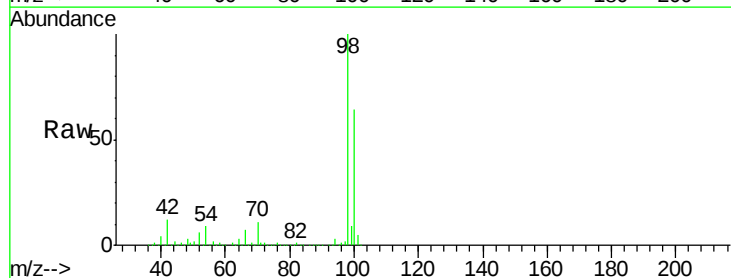
Instrument :
MSVOA_X
ClientSampleId :

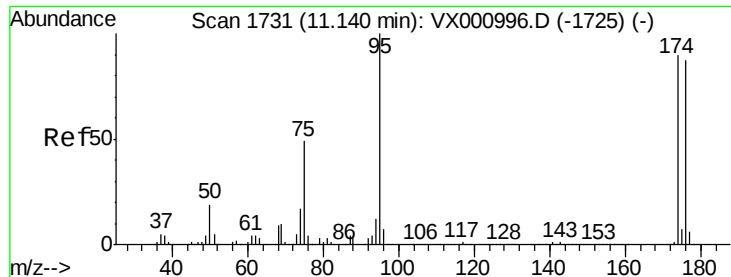
Tot Ion: 98 Resp: 460982
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
58 161.5 30.2 45.4#

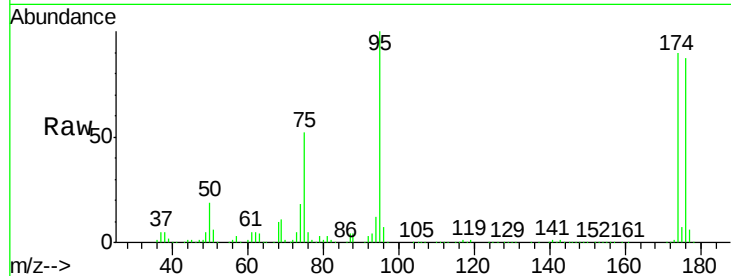




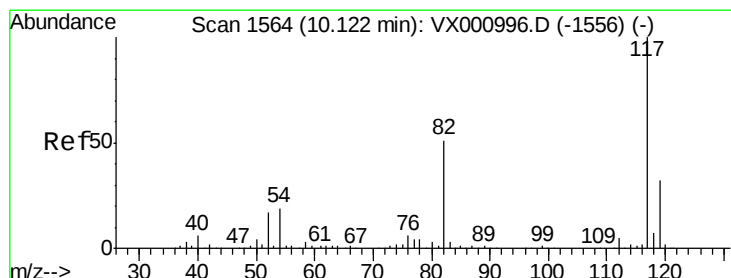
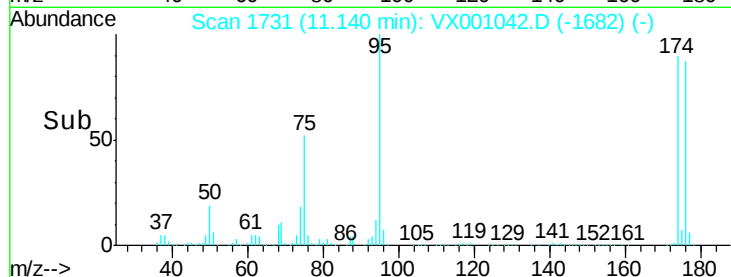
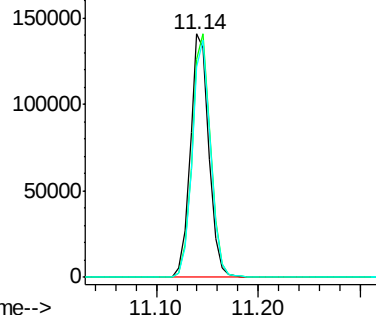
#62
4-Bromofluorobenzene
Concen: 46.86 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 179682
Ion Ratio Lower Upper
95 100
174 98.5 0.0 198.4
176 96.0 0.0 192.0

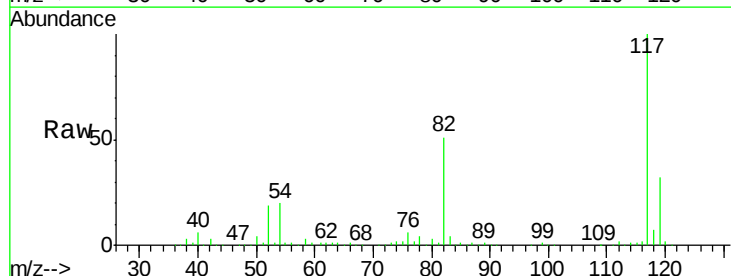


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

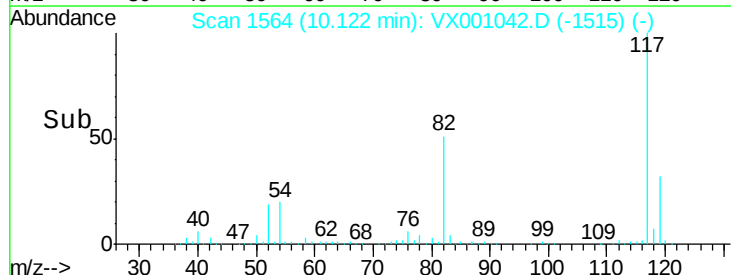
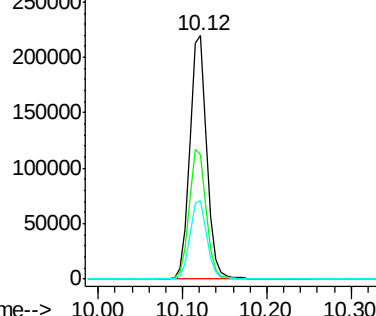


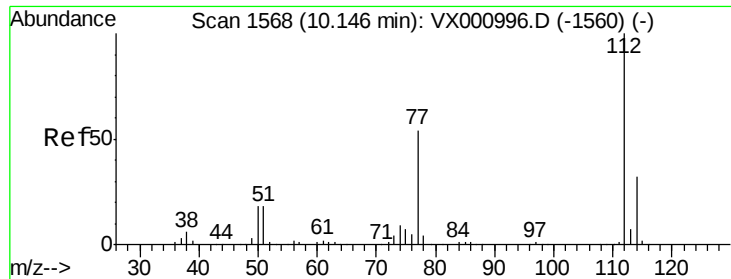
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Tgt Ion: 117 Resp: 307614
Ion Ratio Lower Upper
117 100
82 51.3 40.6 60.8
119 32.3 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

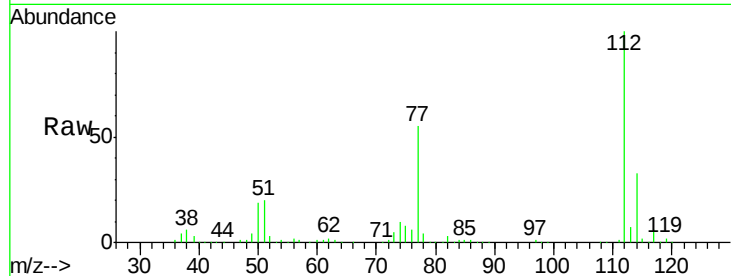




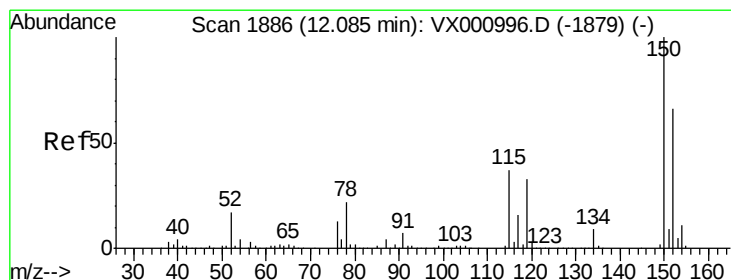
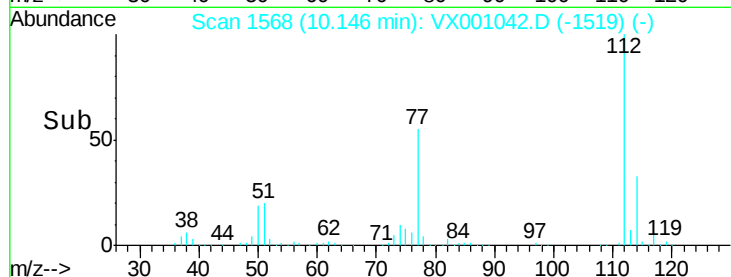
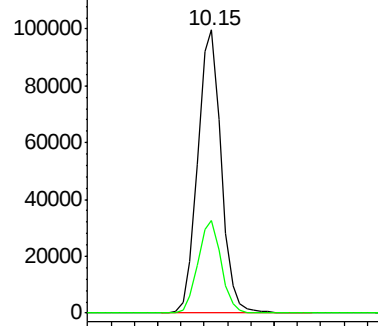
#65
Chlorobenzene
Concen: 17.01 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:112 Resp: 139334
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

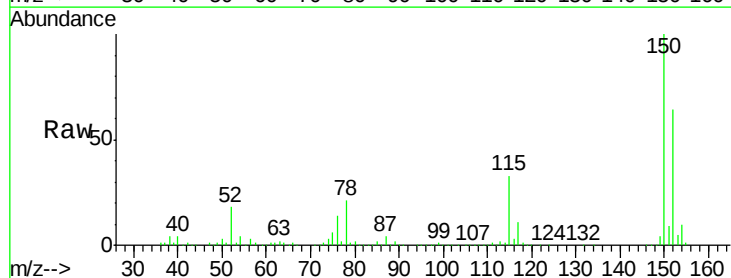


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

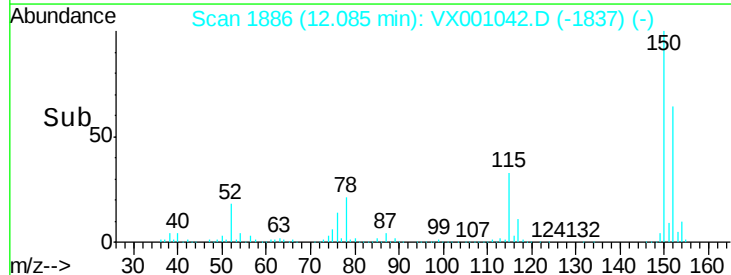
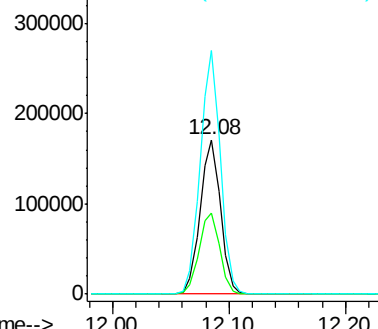


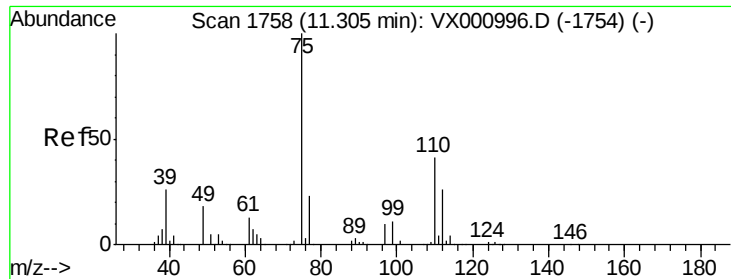
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001042.D
Acq: 21 Apr 2018 06:16

Tgt Ion:152 Resp: 206897
Ion Ratio Lower Upper
152 100
115 53.5 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: 25.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

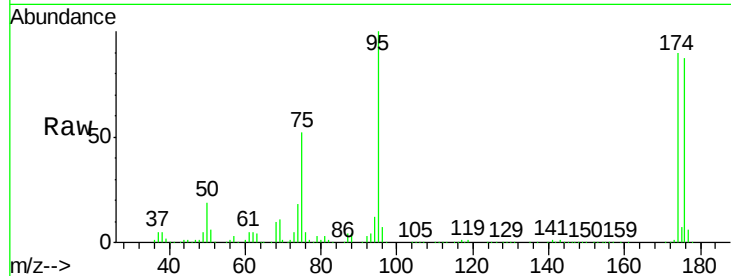
ClientSampleId :

Tot Ion: 75 Resp: 91596

Ion Ratio Lower Upper

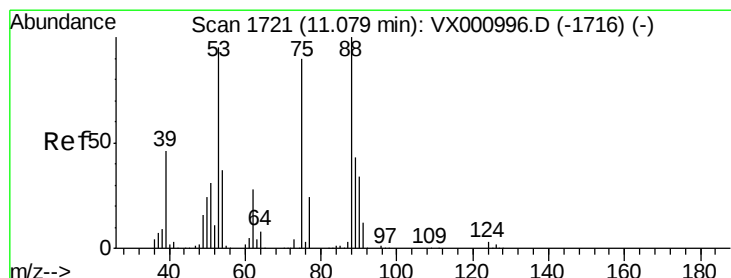
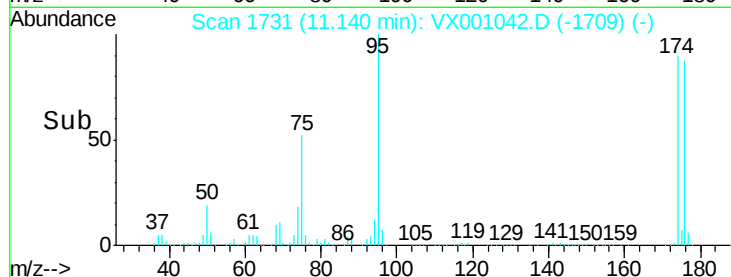
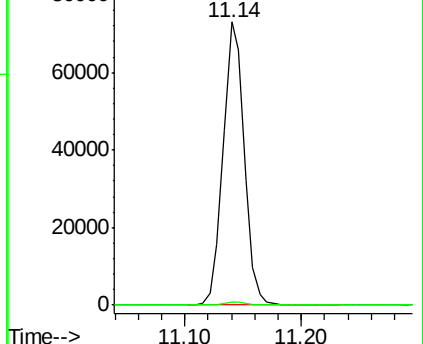
75 100

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: 76.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

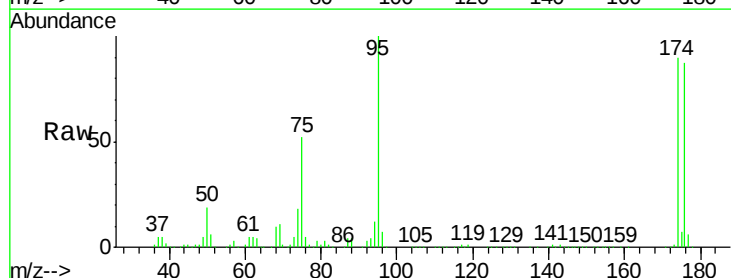
Tgt Ion: 75 Resp: 91596

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

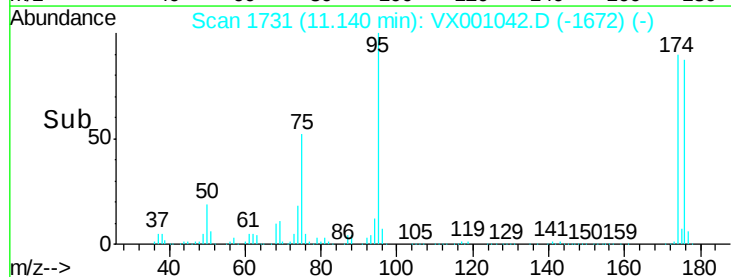
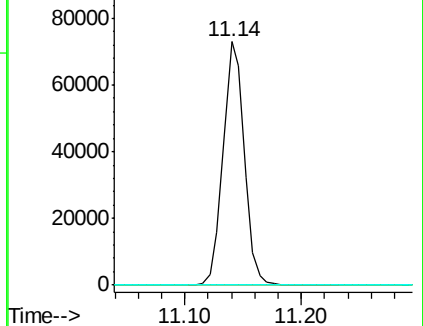
89 0.0 39.7 59.5#

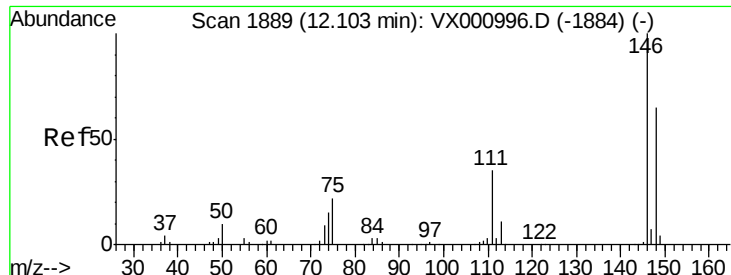


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.37 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

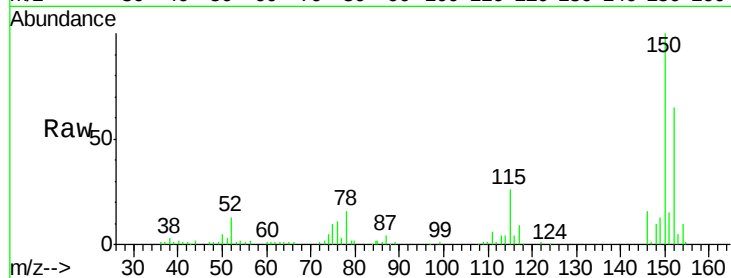
Lab File: VX001042.D

Acq: 21 Apr 2018 06:16

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	146	Resp:	2795
Ion	Ratio	Lower	Upper
146	100		
111	123.4	18.0	54.0#
148	87.4	32.4	97.0

