

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040218\
 Data File : VX000634.D
 Acq On : 02 Apr 2018 11:59
 Operator : JC/MD
 Sample : VV0402WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL01

Quant Time: Apr 03 02:38:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	130529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	215560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	213599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	117259	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	83789	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	5.51	113	66128	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.72	98	272344	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.15	95	96967	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	

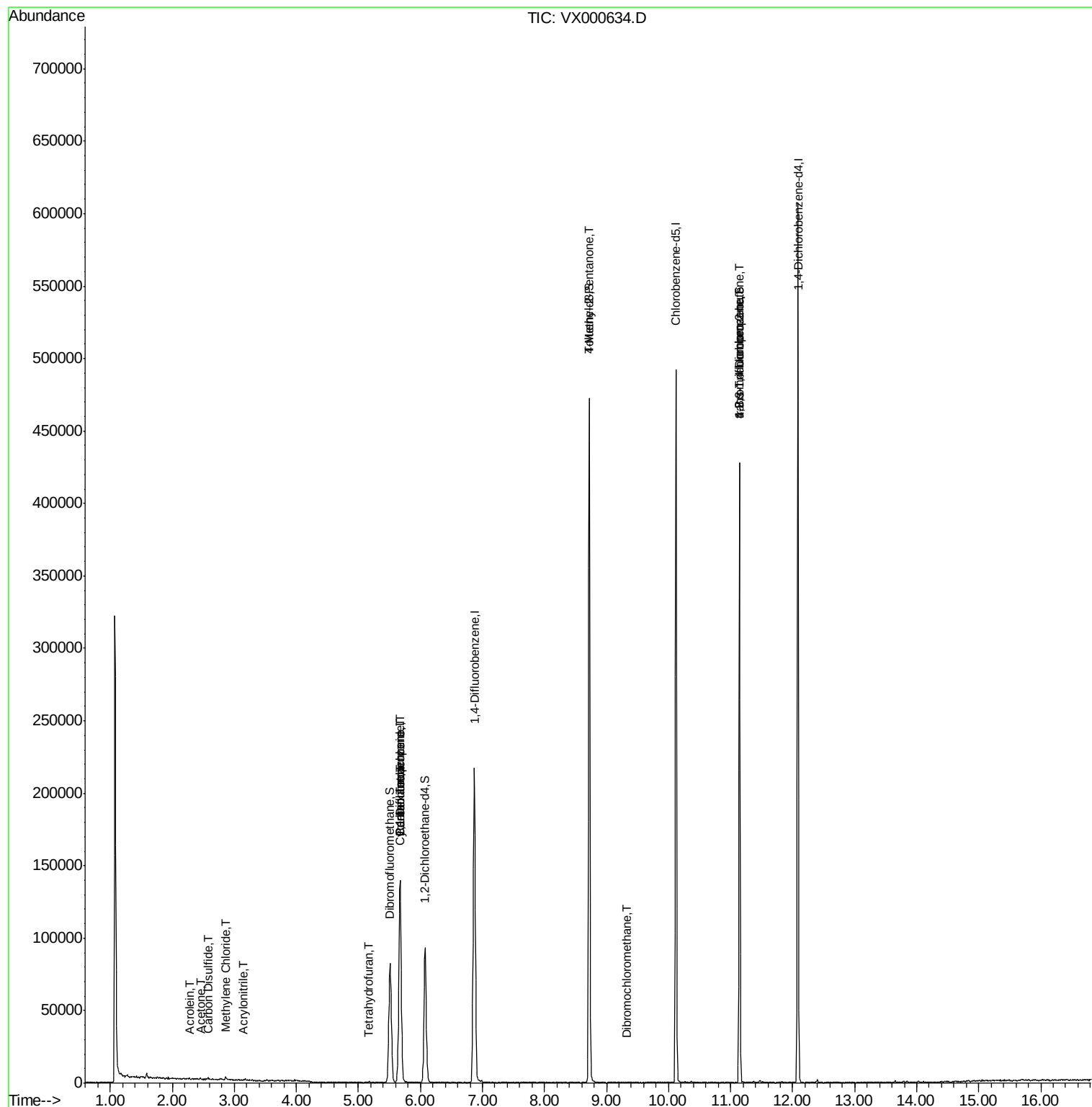
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	350	Below Cal	#	44
13) Acrolein	2.29	56	73	14.95	ug/l	13
14) Allyl chloride	2.74	41	205	Below Cal	#	22
15) Acrylonitrile	3.15	53	425	0.36	ug/l	31
16) Acetone	2.45	43	788	0.56	ug/l	76
17) Carbon Disulfide	2.58	76	899	0.25	ug/l	63
20) Methylene Chloride	2.86	84	487	0.30	ug/l	78
29) Tetrahydrofuran	5.16	42	398	0.41	ug/l	61
31) Cyclohexane	5.66	56	2883	1.34	ug/l	20
36) 1,1-Dichloropropene	5.67	75	10004	4.95	ug/l	46
38) Carbon Tetrachloride	5.67	117	12040	5.68	ug/l	18
51) 4-Methyl-2-Pentanone	8.72	43	1469	0.46	ug/l	1
60) Dibromochloromethane	9.34	129	28	4.13	ug/l	12
74) N-amyl acetate	6.55	43	20	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.14	75	56827	22.55	ug/l	34
81) trans-1,4-Dichloro-2-buten	11.14	75	56827	73.01	ug/l	9

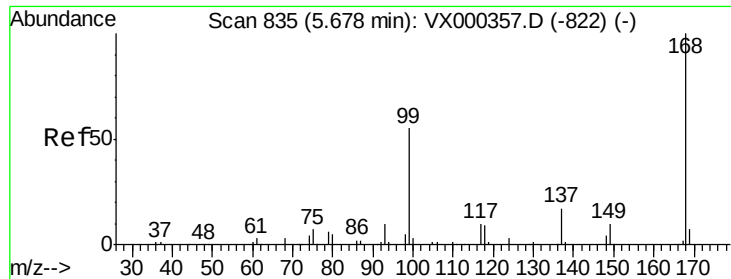
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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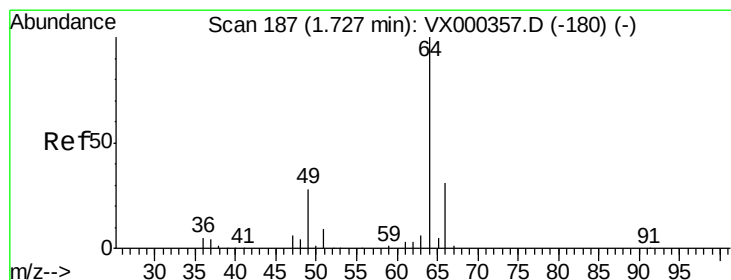
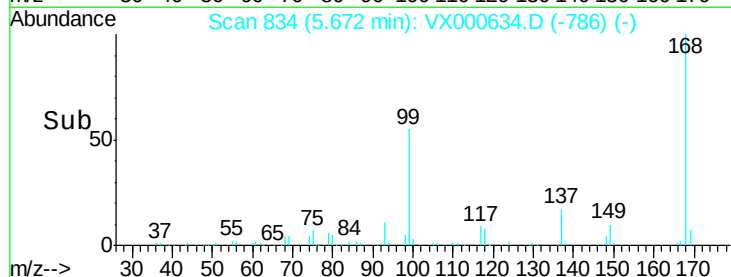
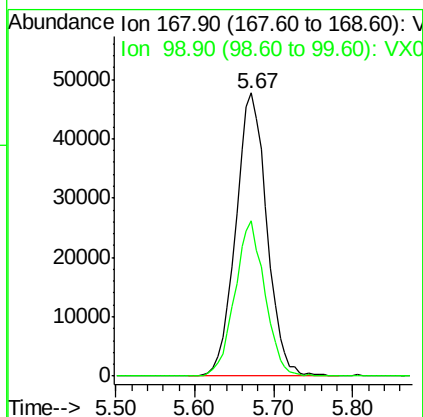
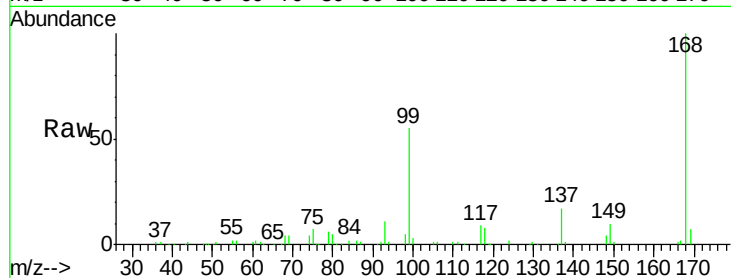




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

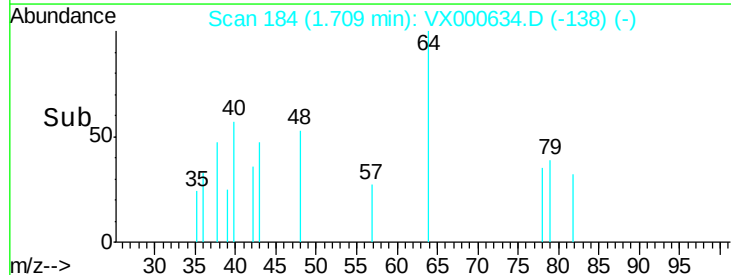
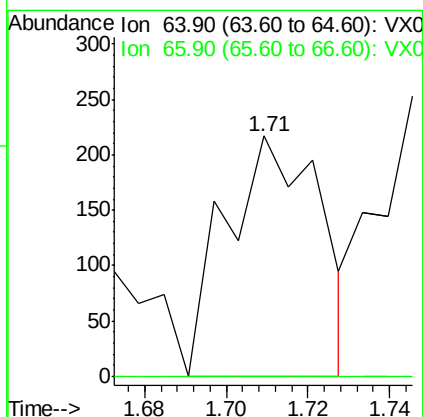
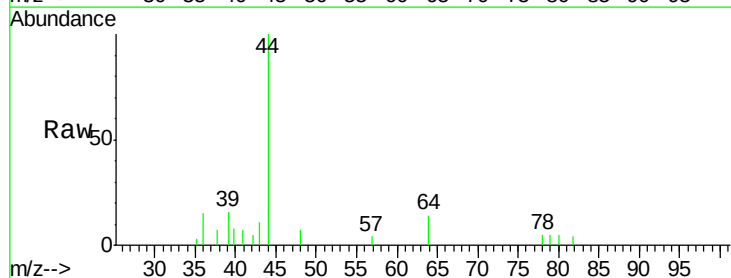
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL01

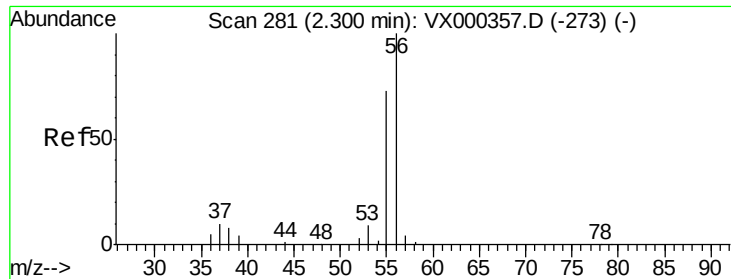
Tgt Ion: 168 Resp: 130529
Ion Ratio Lower Upper
168 100
99 54.7 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#





#13

Acrolein

Concen: 14.95 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

Instrument :

MSVOA_X

ClientSampled :

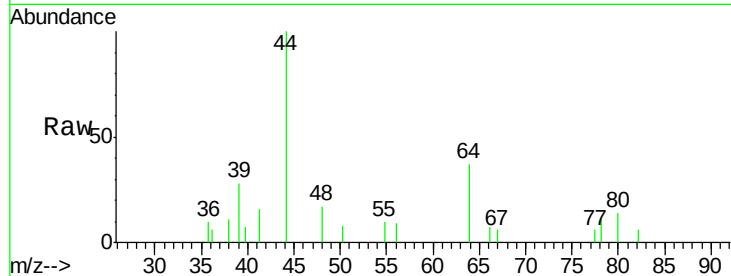
VX0402WBL01

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

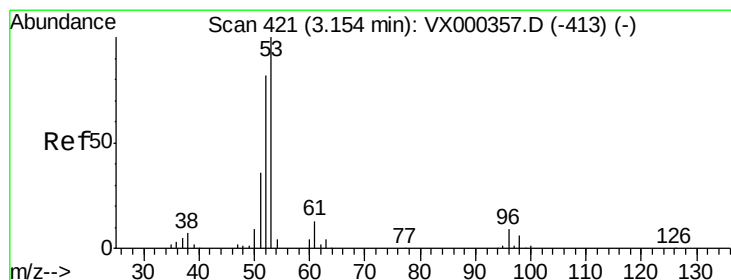
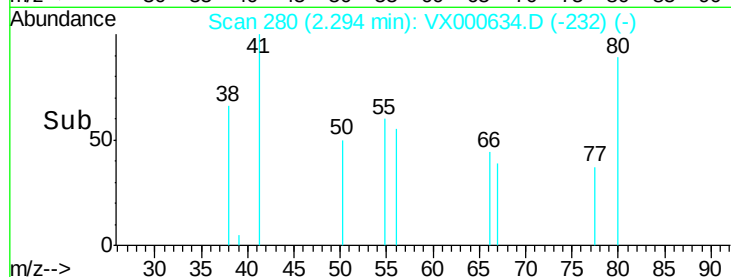
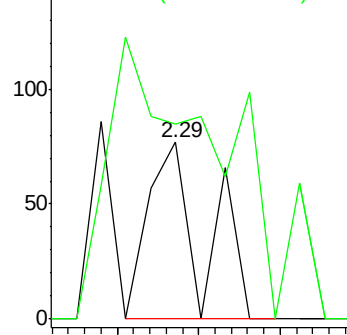
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

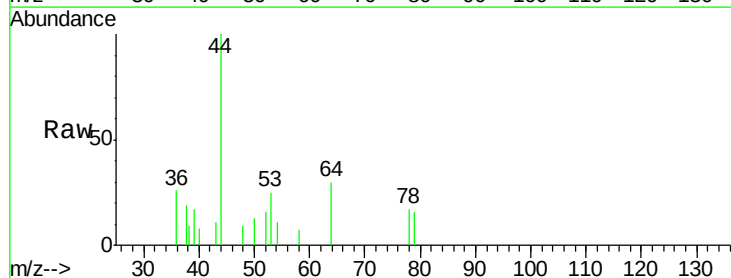
Tgt Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

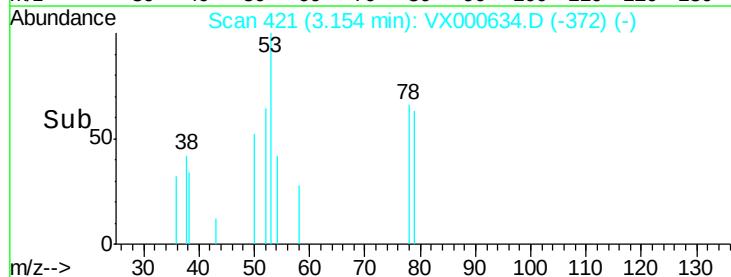
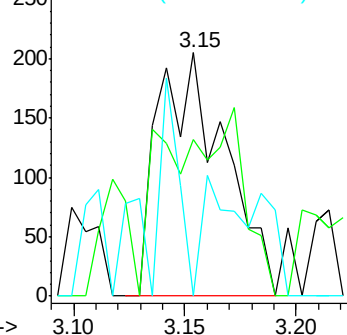
51 26.4 29.3 43.9#

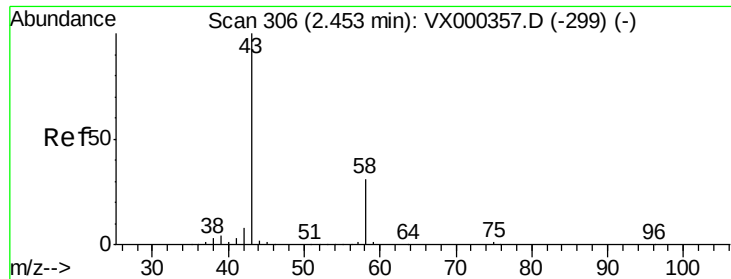


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.56 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

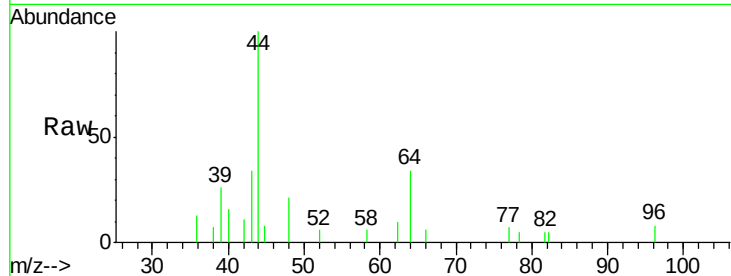
VX0402WBL01

Tgt Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 17.8 24.7 37.1#



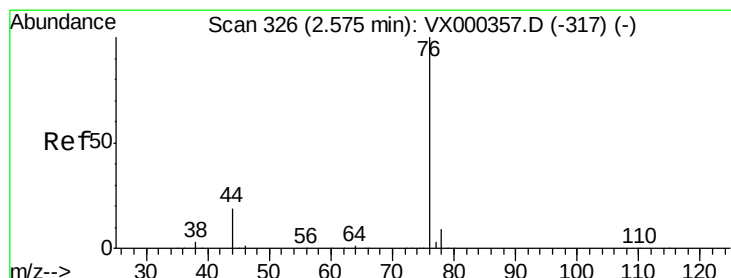
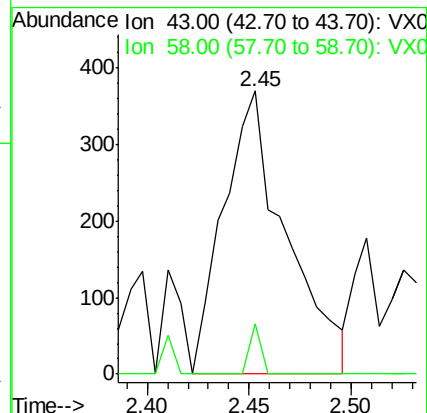
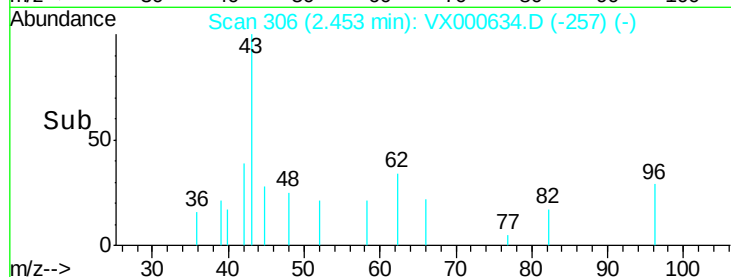
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.45

2.50



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000634.D

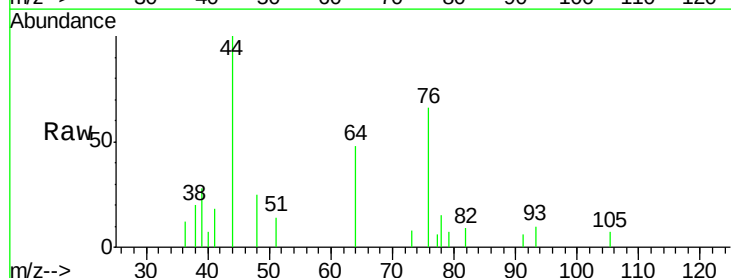
Acq: 02 Apr 2018 11:59

Tgt Ion: 76 Resp: 899

Ion Ratio Lower Upper

76 100

78 22.1 7.0 10.6#



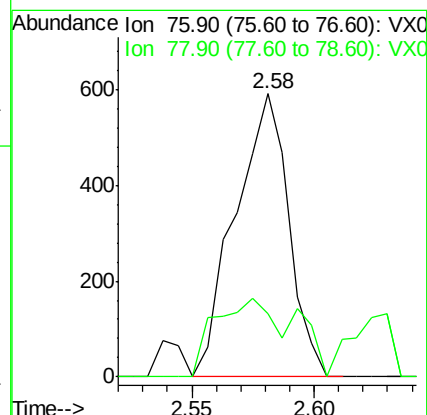
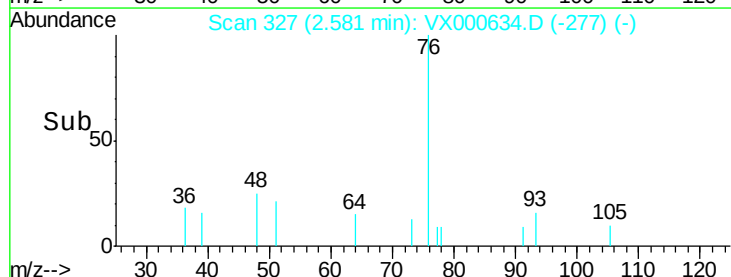
Abundance Ion 75.90 (75.60 to 76.60): VX0

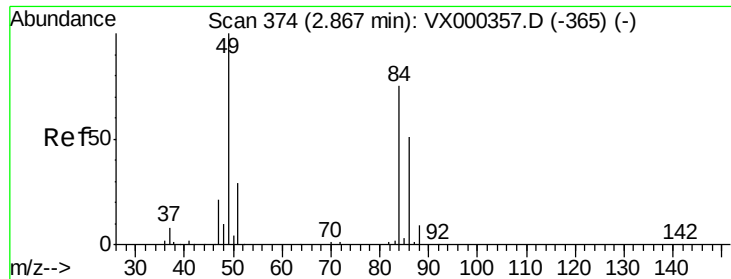
Ion 77.90 (77.60 to 78.60): VX0

2.58

2.58

2.60

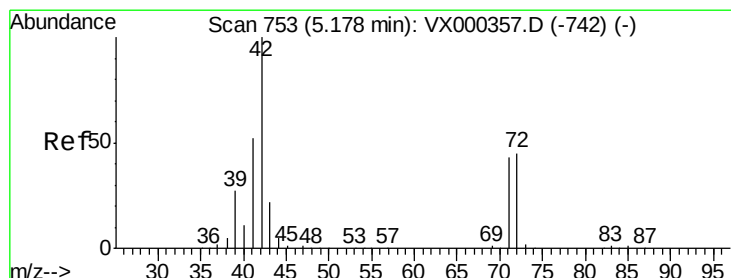
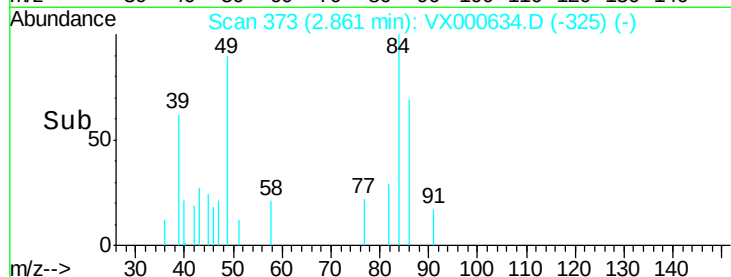
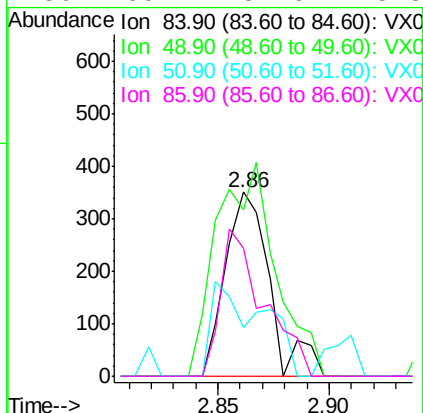
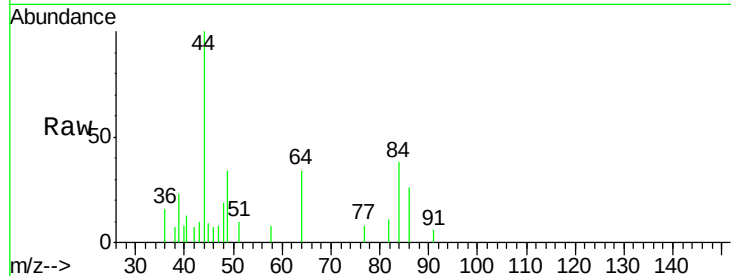




#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

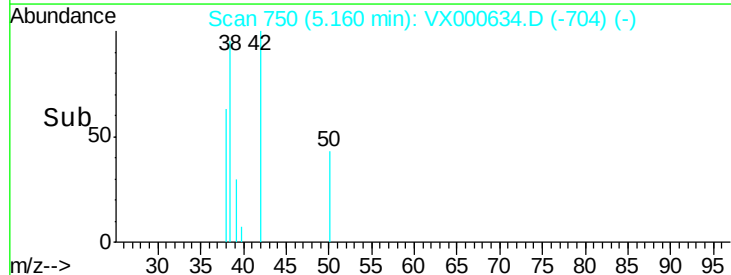
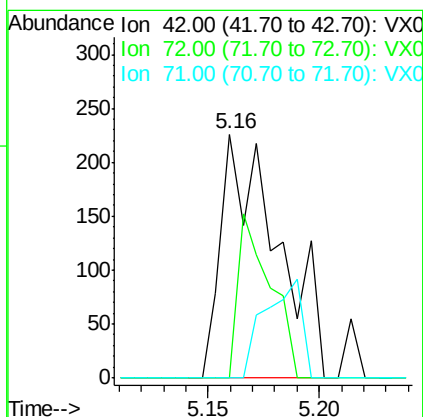
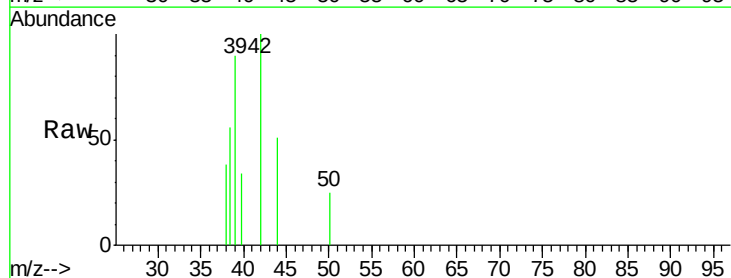
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL01

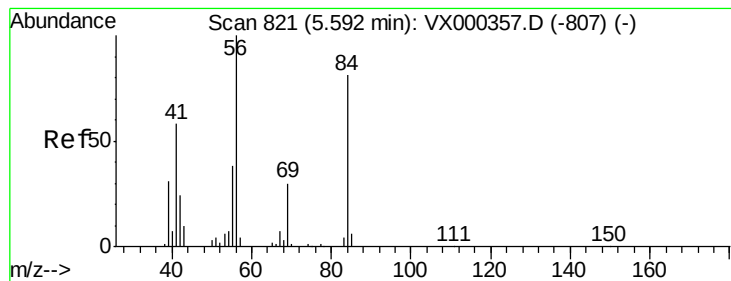
Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 90.0 100.6 151.0#
51 26.8 31.6 47.4#
86 69.2 52.6 78.8



#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

Tgt Ion: 42 Resp: 398
Ion Ratio Lower Upper
42 100
72 38.9 37.9 56.9
71 0.0 34.4 51.6#





#31

Cyclohexane

Concen: 1.34 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.07 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL01

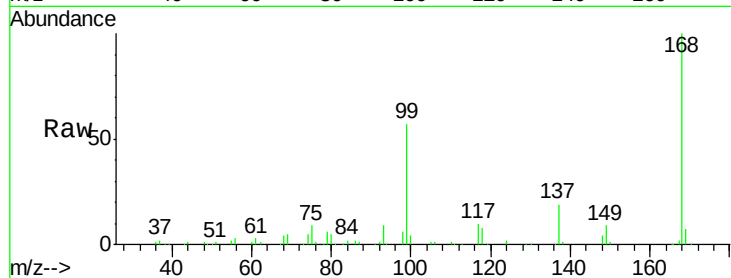
Tgt Ion: 56 Resp: 2883

Ion Ratio Lower Upper

56 100

69 142.4 23.4 35.0#

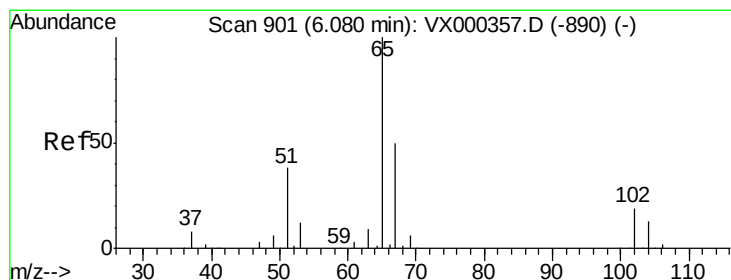
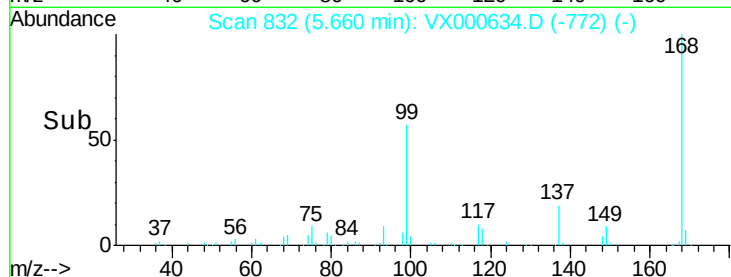
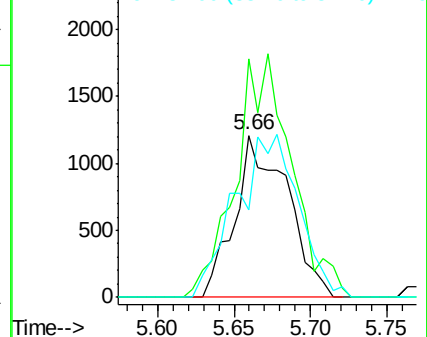
84 54.2 71.0 106.4#



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: 49.18 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000634.D

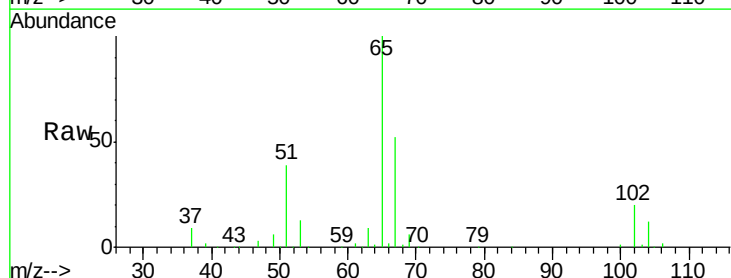
Acq: 02 Apr 2018 11:59

Tgt Ion: 65 Resp: 83789

Ion Ratio Lower Upper

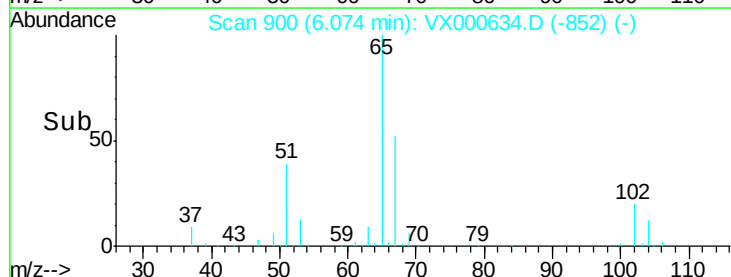
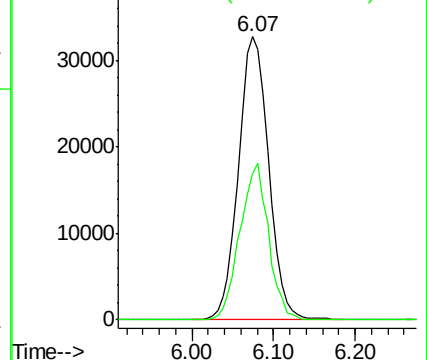
65 100

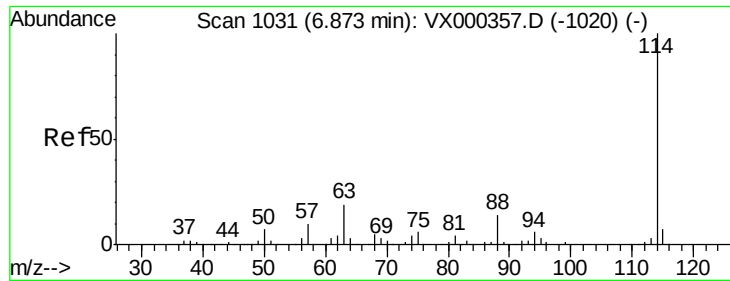
67 52.4 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

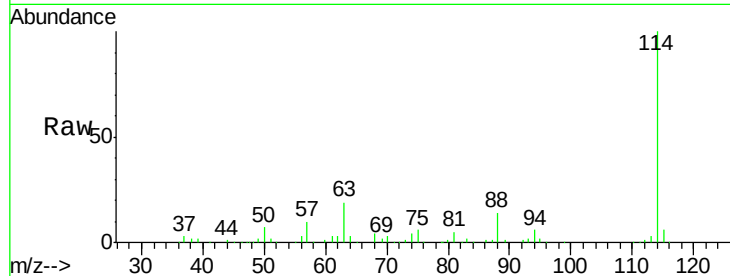




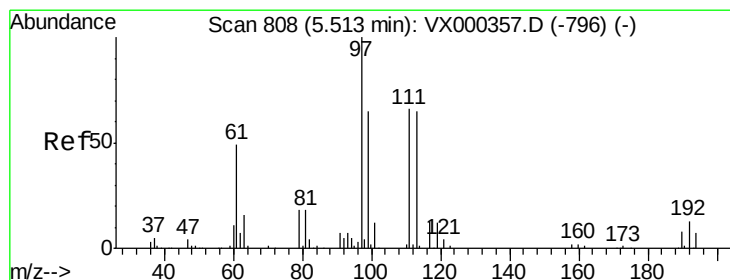
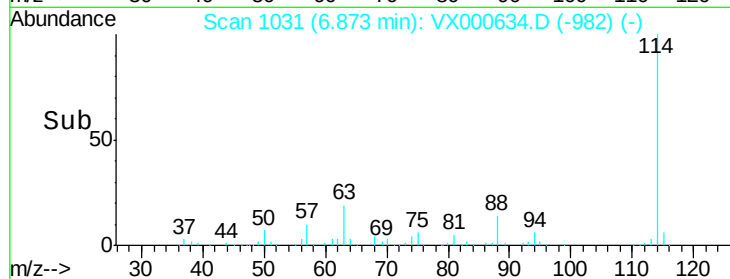
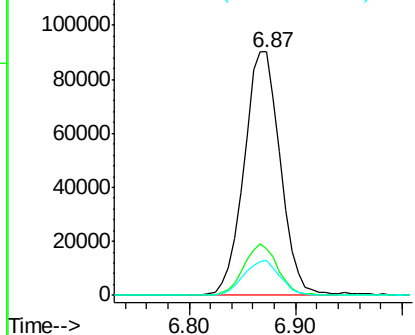
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000634.D
 Acq: 02 Apr 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBL01

Tgt Ion:114 Resp: 215560
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 14.4 0.0 27.0

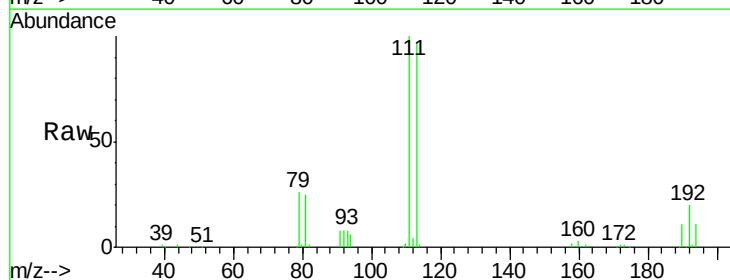


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

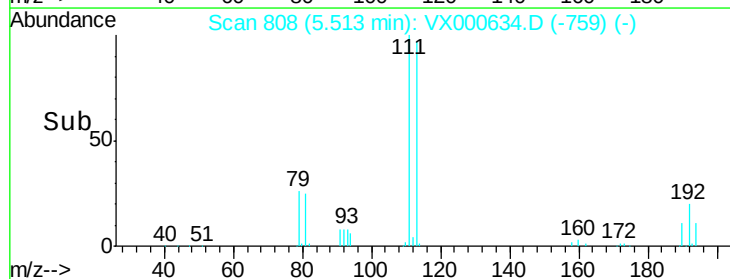
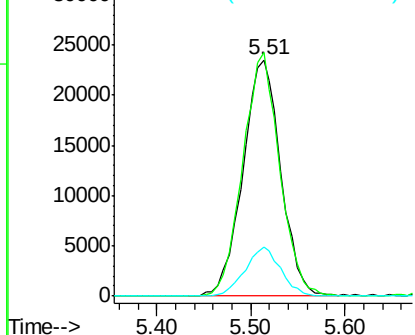


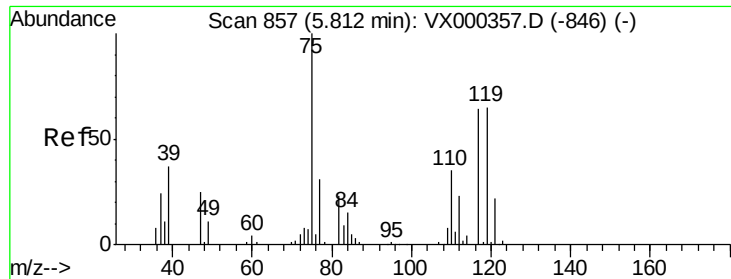
#35
 Dibromofluoromethane
 Concen: 48.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000634.D
 Acq: 02 Apr 2018 11:59

Tgt Ion:113 Resp: 66128
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.4 123.6
 192 19.7 15.8 23.6



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

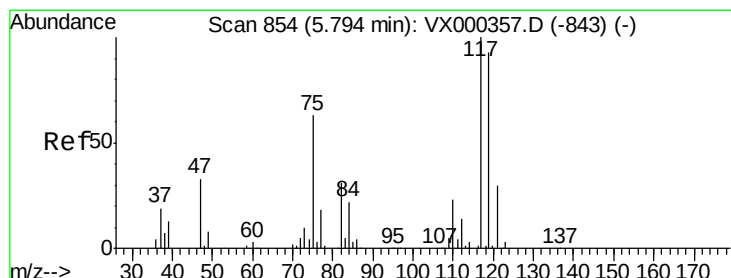
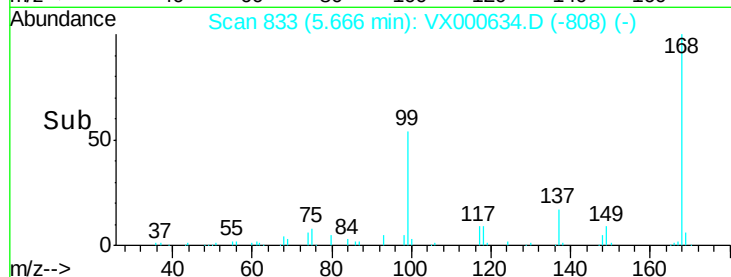
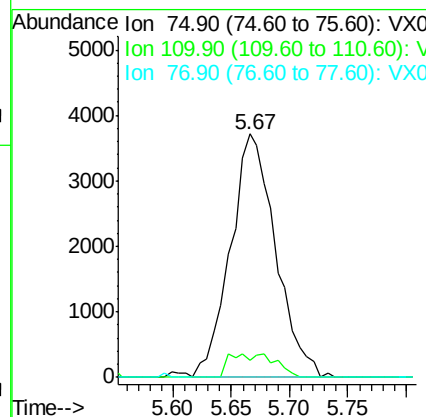
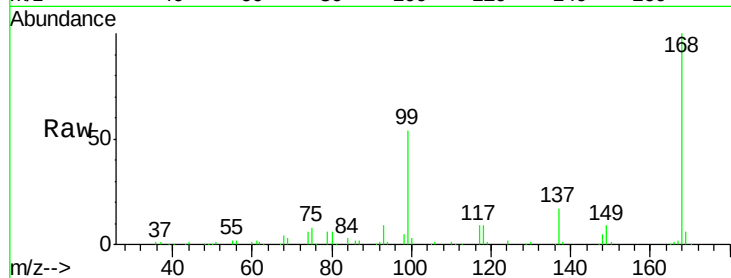




#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000634.D
 Acq: 02 Apr 2018 11:59

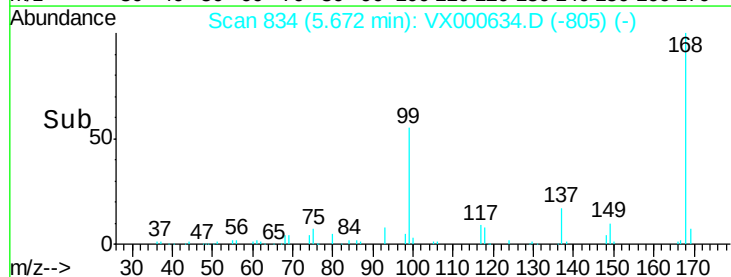
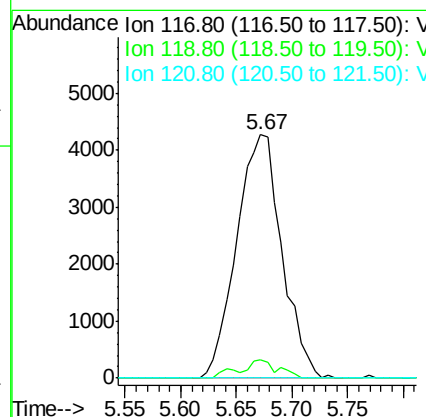
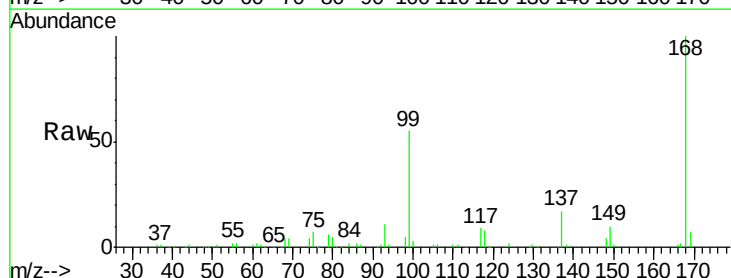
Instrument :
 MSVOA_X
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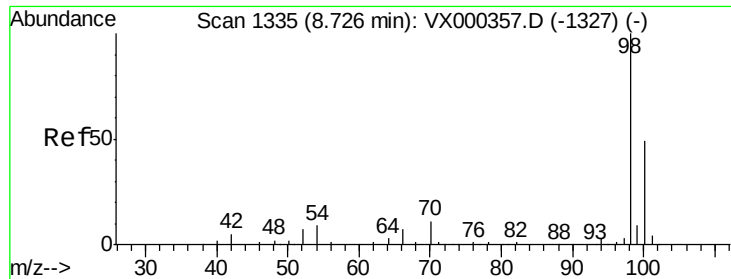
Tgt Ion: 75 Resp: 10004
 Ion Ratio Lower Upper
 75 100
 110 4.6 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.68 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000634.D
 Acq: 02 Apr 2018 11:59

Tgt Ion: 117 Resp: 12040
 Ion Ratio Lower Upper
 117 100
 119 7.7 77.4 116.2#
 121 0.0 24.8 37.2#

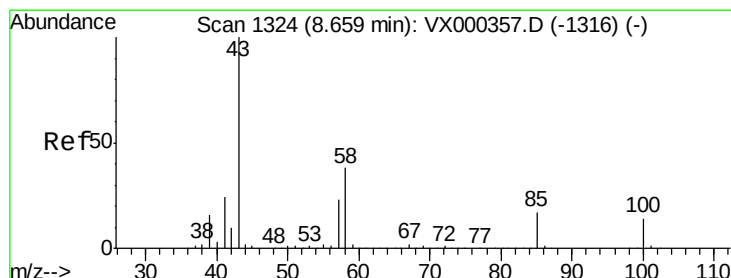
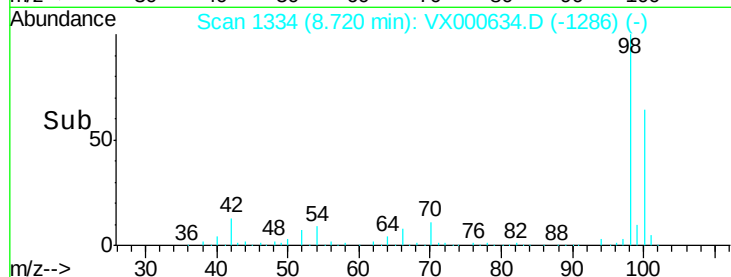
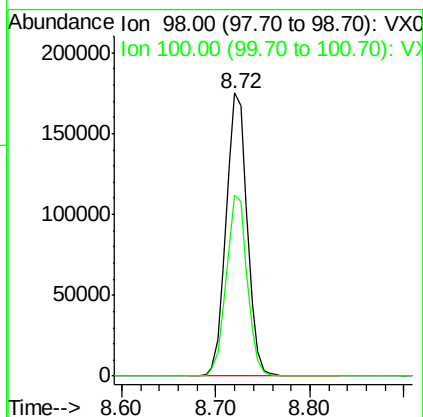
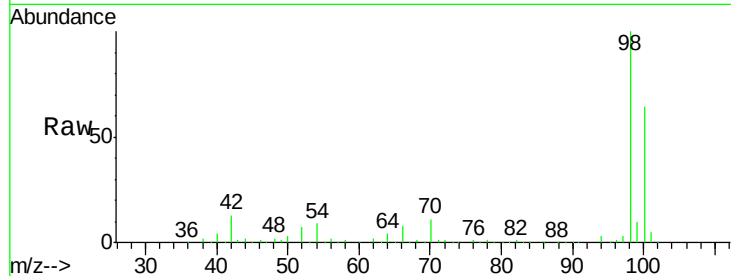




#50
Toluene-d8
Concen: 48.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

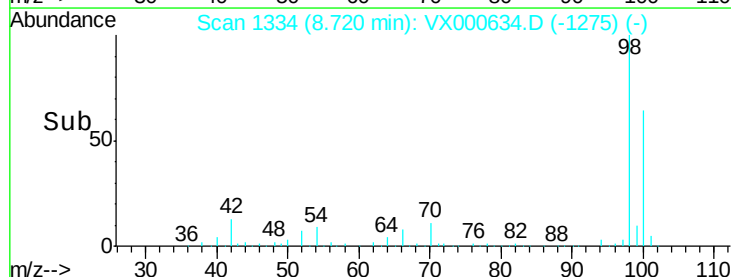
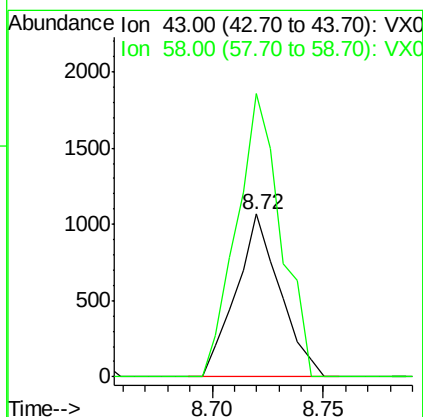
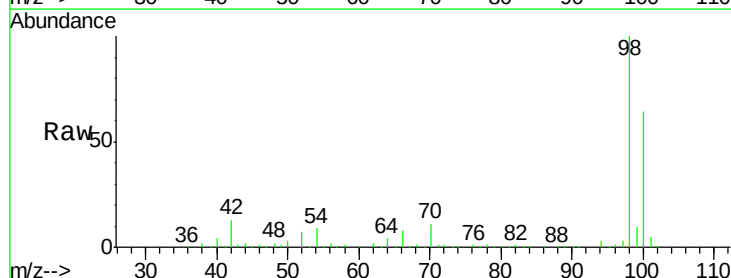
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL01

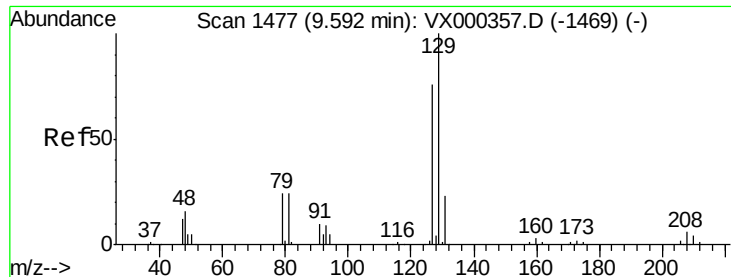
Tgt Ion: 98 Resp: 272344
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
58 174.2 30.3 45.5#





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

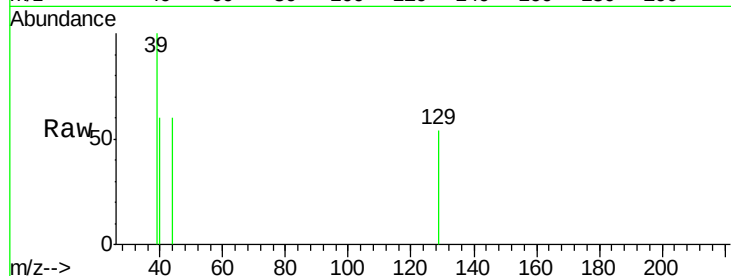
VX0402WBL01

Tgt Ion: 129 Resp: 28

Ion Ratio Lower Upper

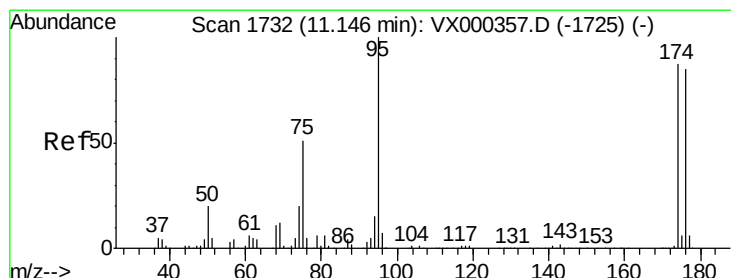
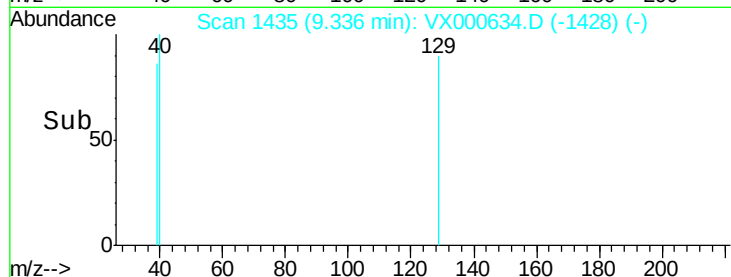
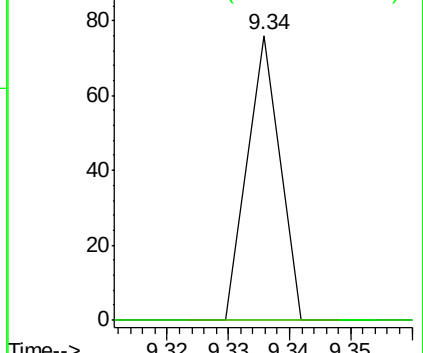
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

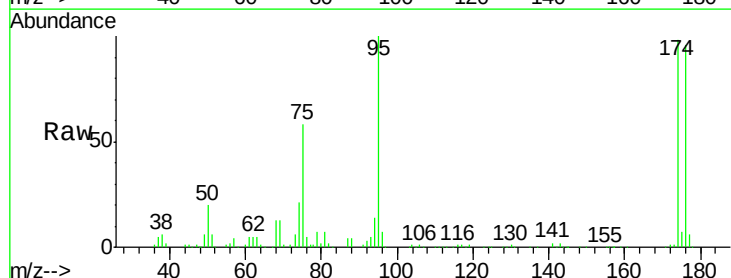
Tgt Ion: 95 Resp: 96967

Ion Ratio Lower Upper

95 100

174 90.9 0.0 173.6

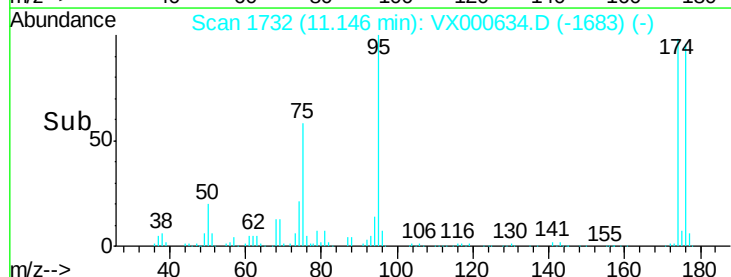
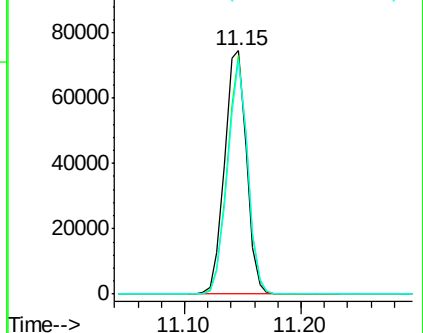
176 88.7 0.0 164.6

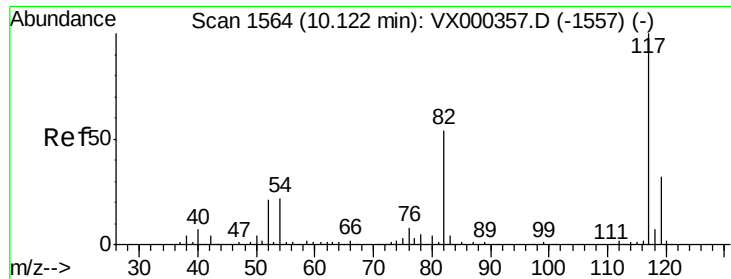


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

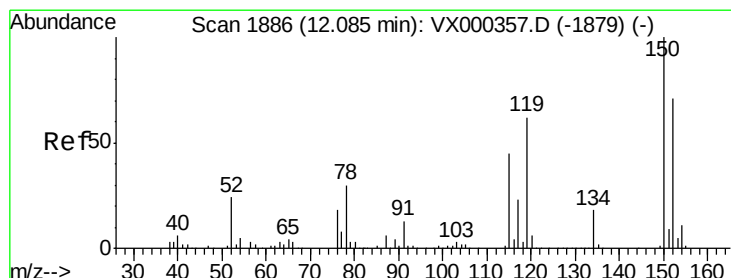
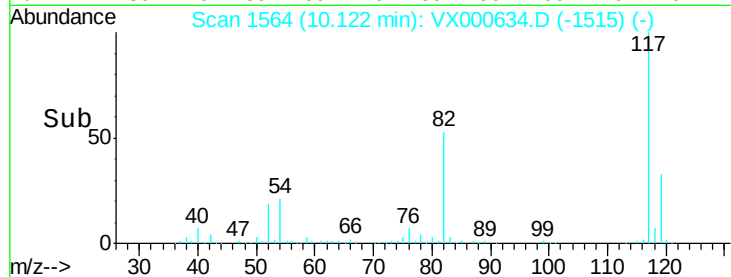
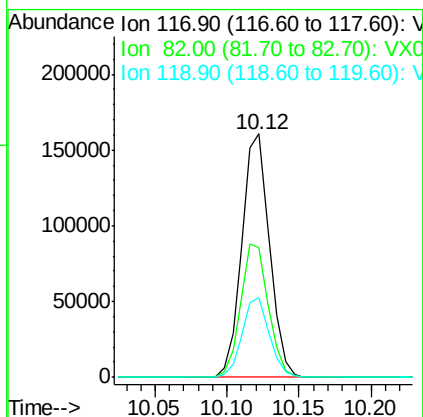
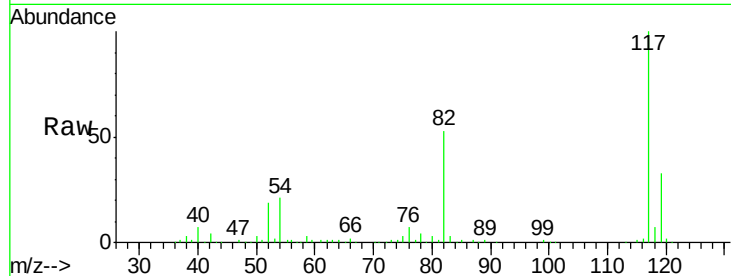




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

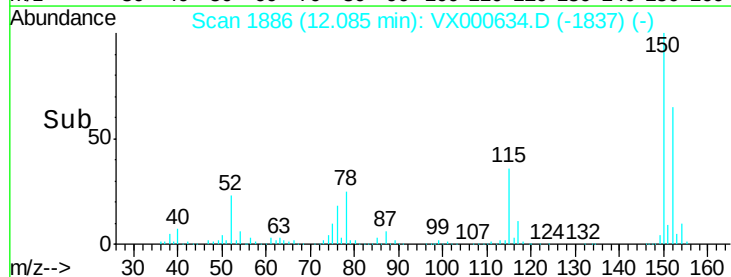
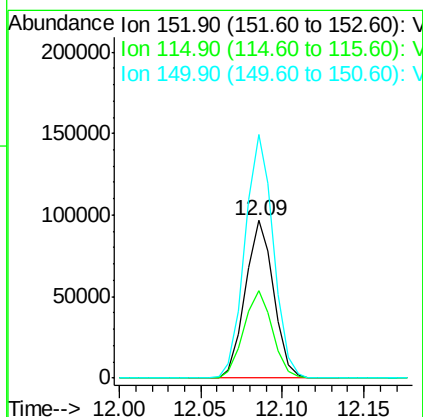
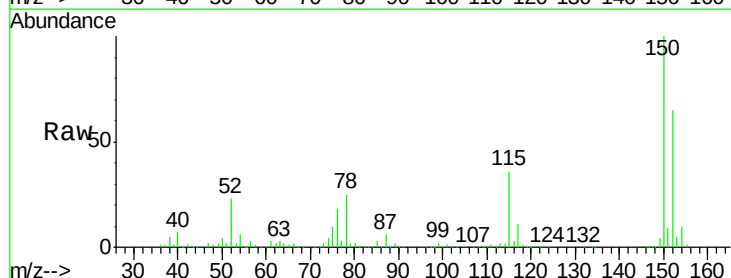
Instrument :
MSVOA_X
ClientSampleId :
VX0402WBL01

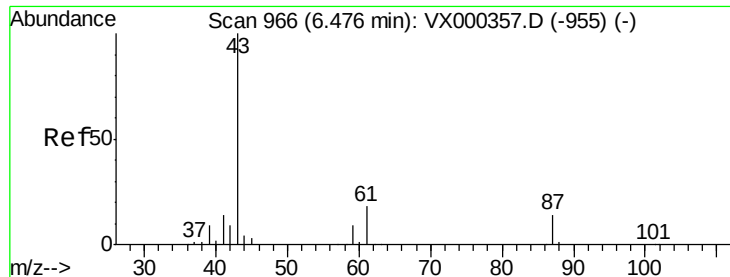
Tgt Ion:117 Resp: 213599
Ion Ratio Lower Upper
117 100
82 53.5 43.8 65.8
119 33.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000634.D
Acq: 02 Apr 2018 11:59

Tgt Ion:152 Resp: 117259
Ion Ratio Lower Upper
152 100
115 56.2 39.8 119.3
150 154.9 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.55 min Scan# 978

Delta R.T. 0.07 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

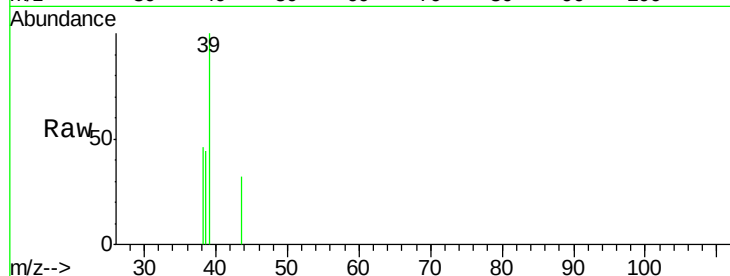
Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL01

Tgt Ion:	43	Resp:	20
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#

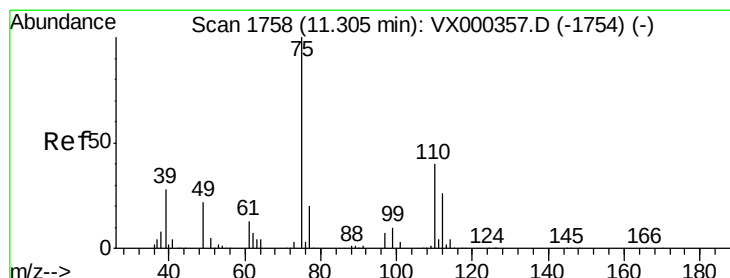
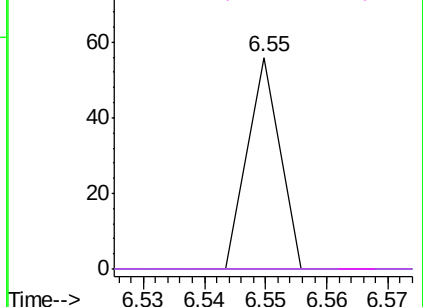
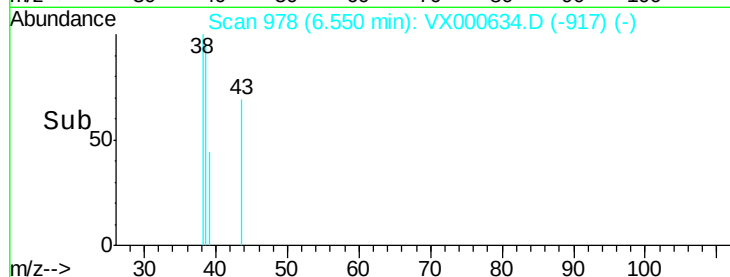


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.55 ug/l

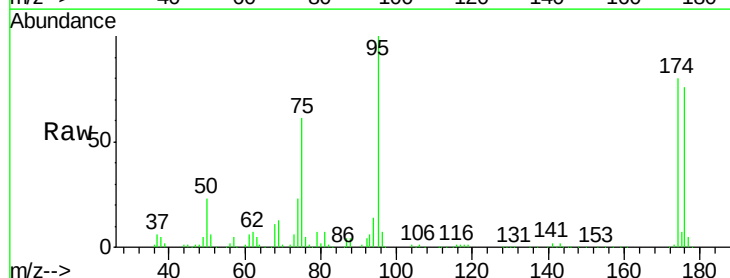
RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000634.D

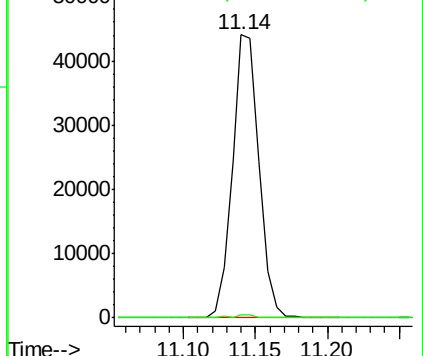
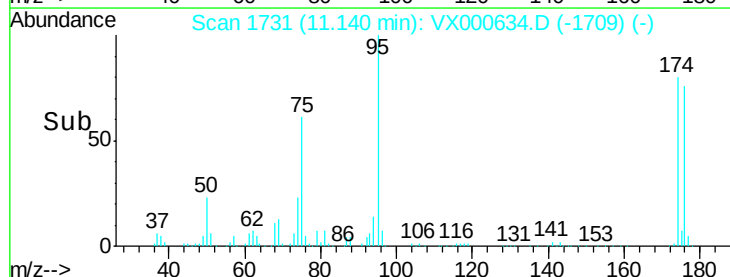
Acq: 02 Apr 2018 11:59

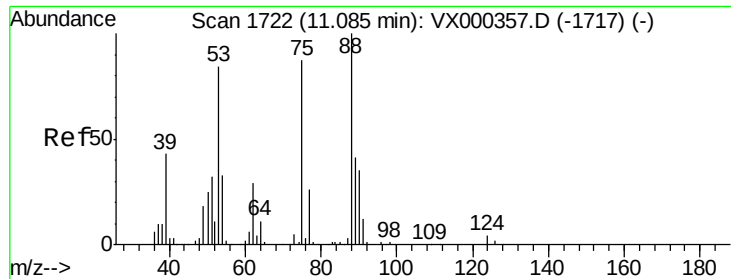
Tgt Ion:	75	Resp:	56827
Ion	Ratio	Lower	Upper
75	100		
77	1.0	21.4	64.2#



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: 73.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000634.D

Acq: 02 Apr 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX0402WBL01

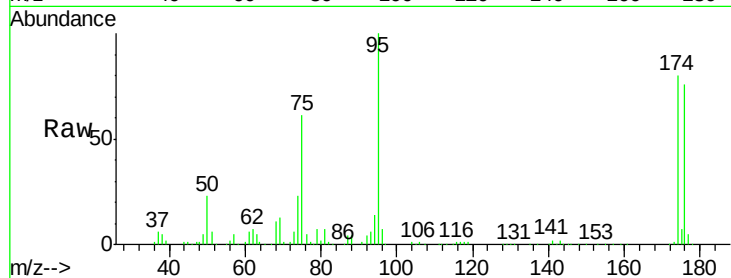
Tgt Ion: 75 Resp: 56827

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

89 0.0 39.4 59.0#



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

