

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003052.D
 Acq On : 30 Jun 2018 02:03
 Operator : JC/MD
 Sample : J3707-24 10X
 Misc : 6.07µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 02:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185646	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	5.51	113	151198	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	8.72	98	560887	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	204365	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	

Target Compounds

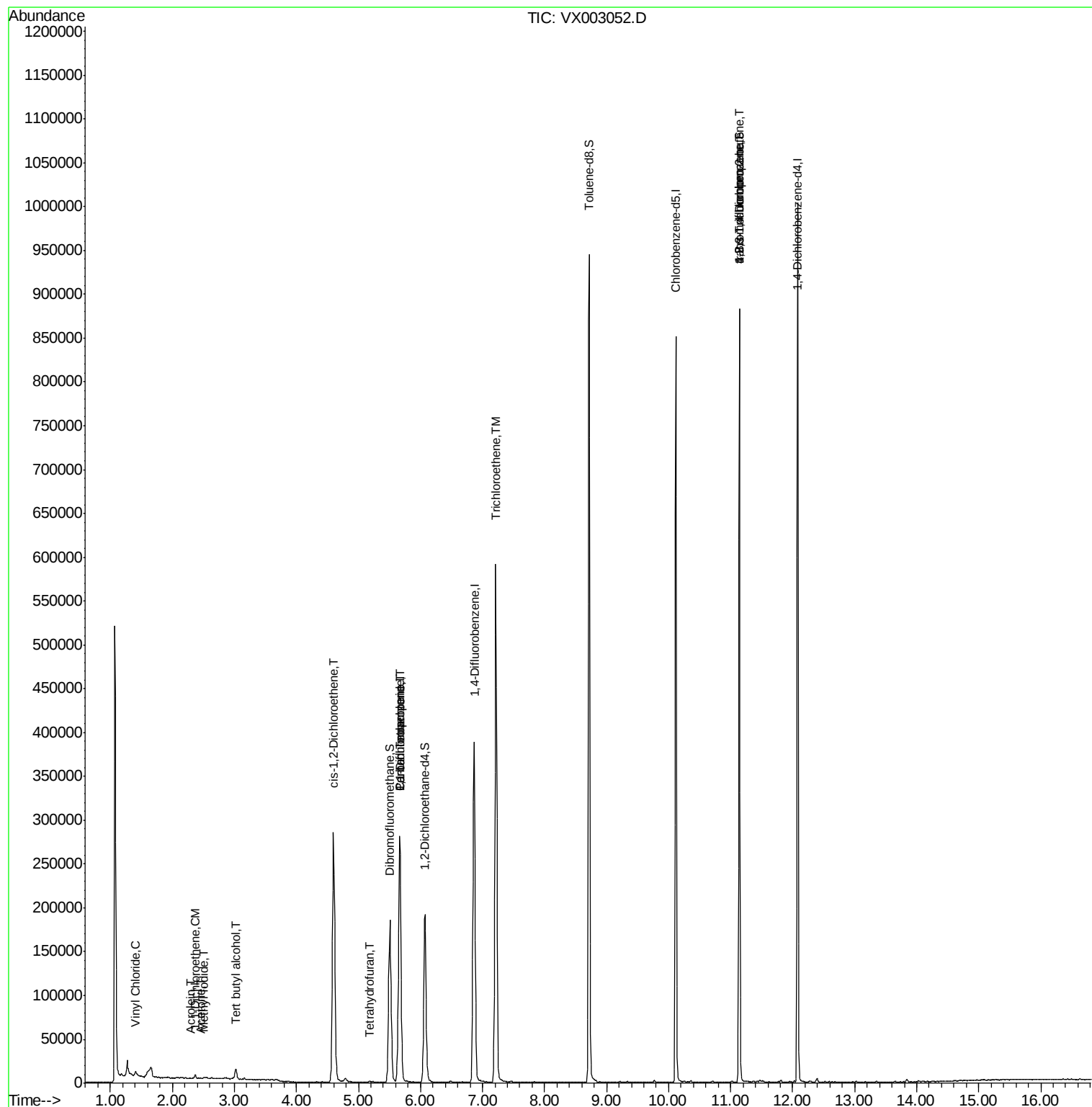
						Qvalue
2) Dichlorodifluoromethane	1.20	85	116	Below Cal	#	43
3) Chloromethane	1.33	50	578	Below Cal	#	84
4) Vinyl Chloride	1.40	62	1586	0.49	ug/l	1
5) Bromomethane	1.64	94	1706	Below Cal		94
6) Chloroethane	1.71	64	334	Below Cal	#	69
10) Methyl Iodide	2.51	142	2245	6.84	ug/l	97
11) Tert butyl alcohol	3.03	59	7250	9.24	ug/l	# 79
12) 1,1-Dichloroethene	2.37	96	1252	0.45	ug/l	90
13) Acrolein	2.29	56	145	4.56	ug/l	# 1
16) Acetone	2.45	43	586	0.36	ug/l	# 85
27) cis-1,2-Dichloroethene	4.60	96	181757	52.98	ug/l	84
29) Tetrahydrofuran	5.17	42	913	0.59	ug/l	# 89
36) 1,1-Dichloropropene	5.67	75	18650	4.28	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	25552	5.34	ug/l	# 16
44) Trichloroethene	7.21	130	234741	62.13	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	104667	26.28	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	104667	74.48	ug/l	# 7

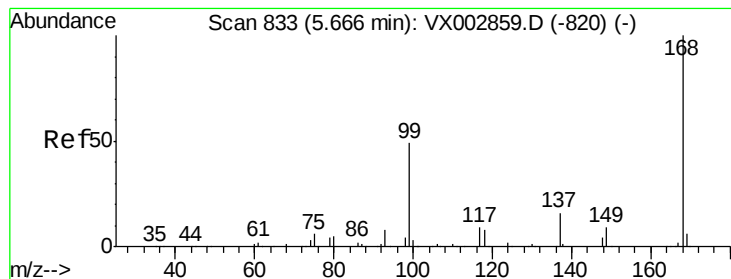
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

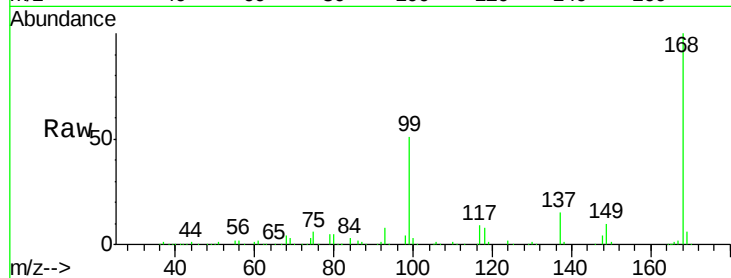
ClientSampleId :

Tot Ion:168 Resp: 284876

Ion Ratio Lower Upper

168 100

99 50.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

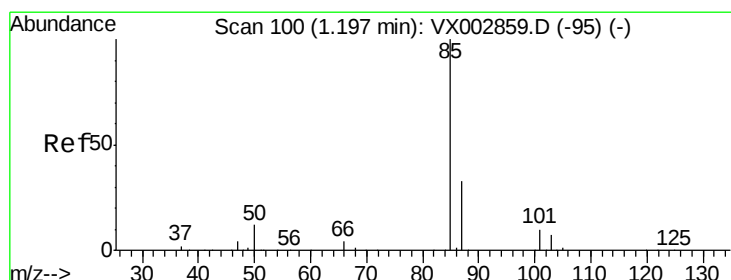
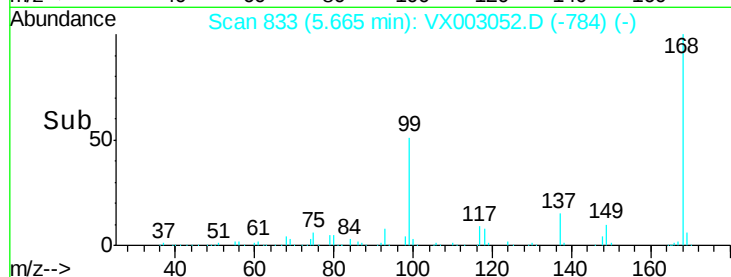
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003052.D

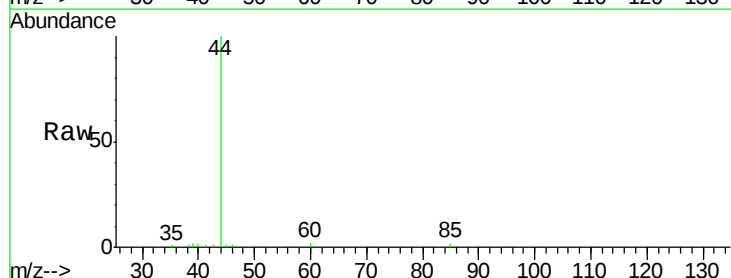
Acq: 30 Jun 2018 02:03

Tgt Ion: 85 Resp: 116

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

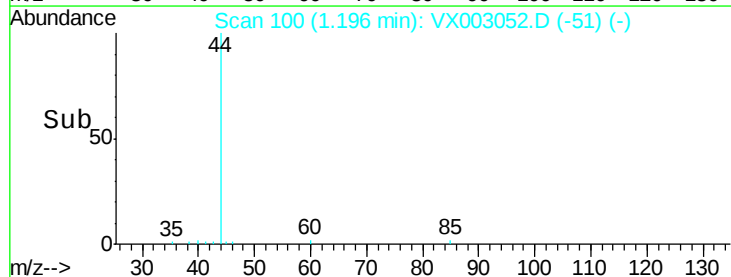
150

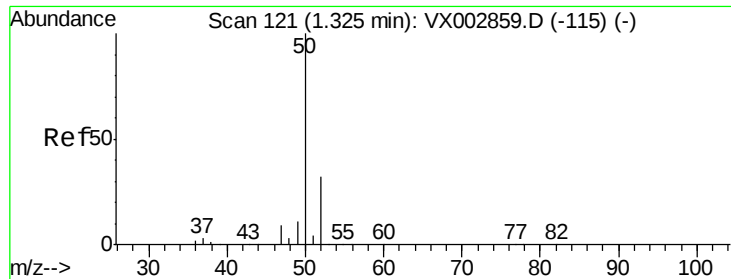
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

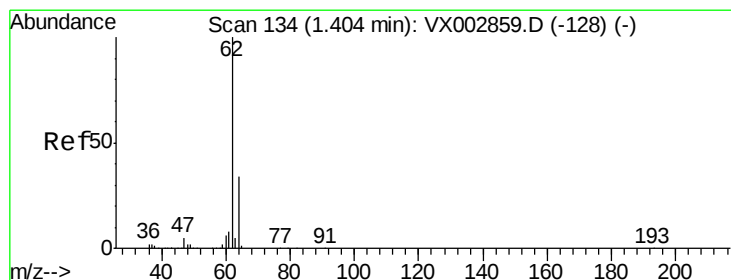
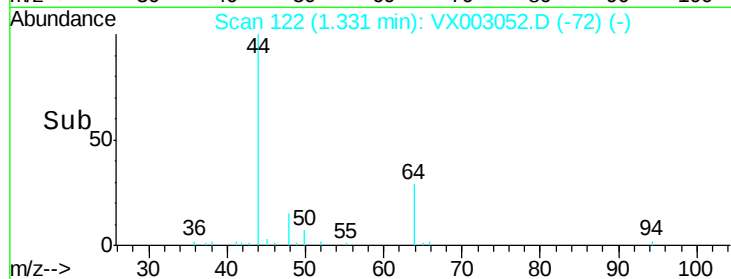
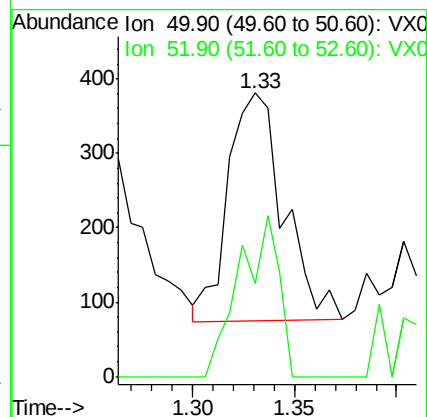
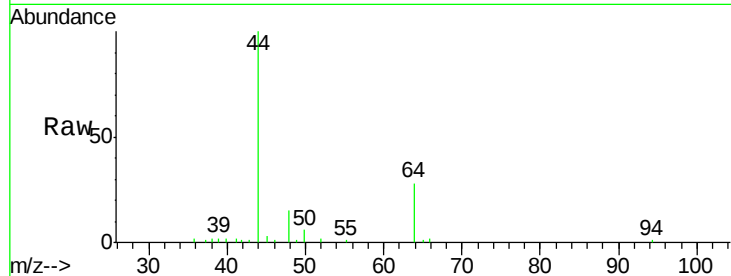
ClientSampleId :

Tot Ion: 50 Resp: 578

Ion Ratio Lower Upper

50 100

52 41.1 25.7 38.5#



#4

Vinyl Chloride

Concen: 0.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003052.D

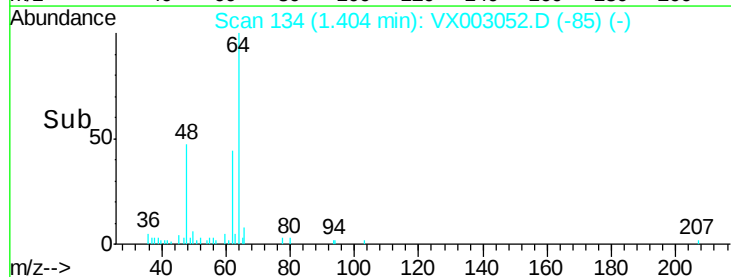
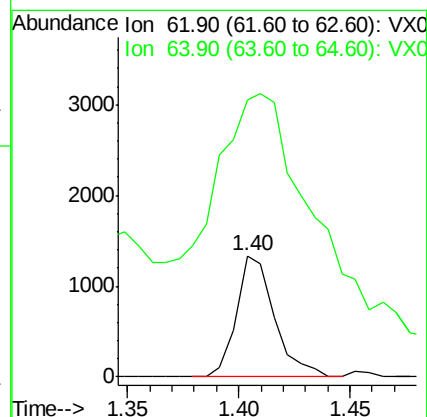
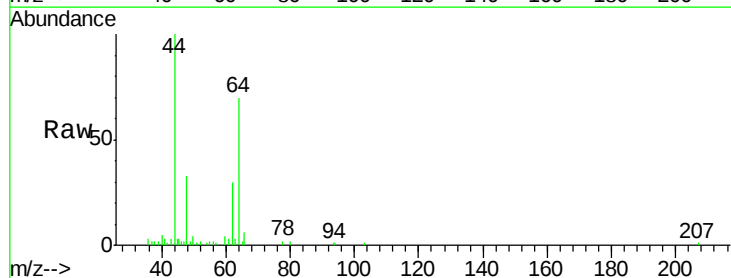
Acq: 30 Jun 2018 02:03

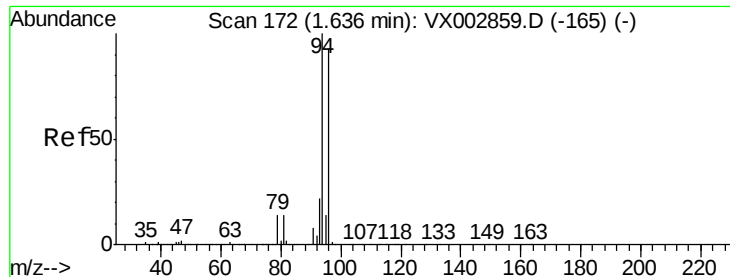
Tgt Ion: 62 Resp: 1586

Ion Ratio Lower Upper

62 100

64 144.2 25.4 38.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

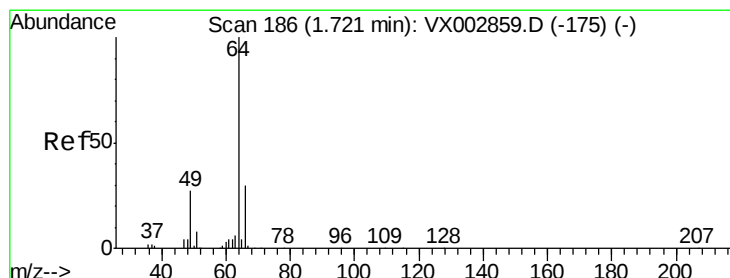
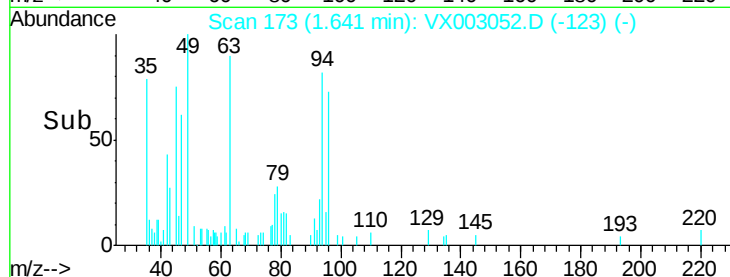
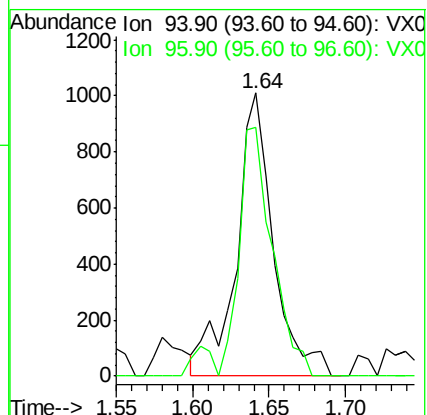
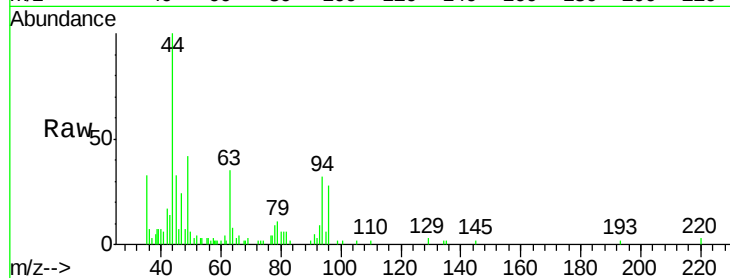
ClientSampleId :

Tot Ion: 94 Resp: 1706

Ion Ratio Lower Upper

94 100

96 88.1 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003052.D

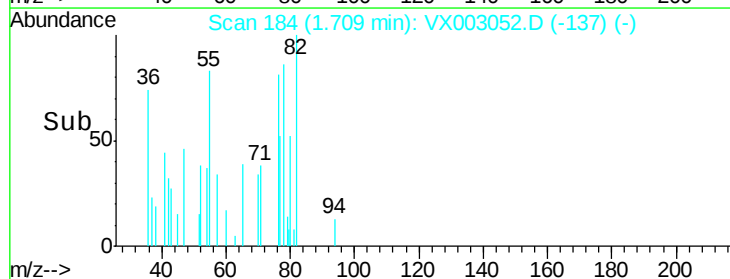
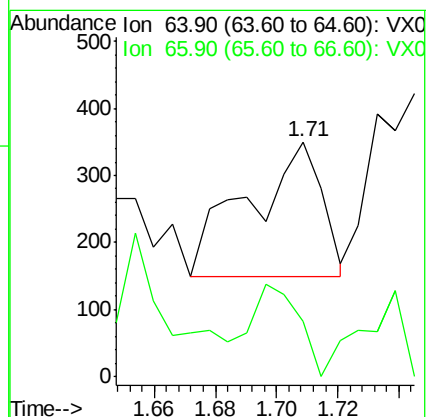
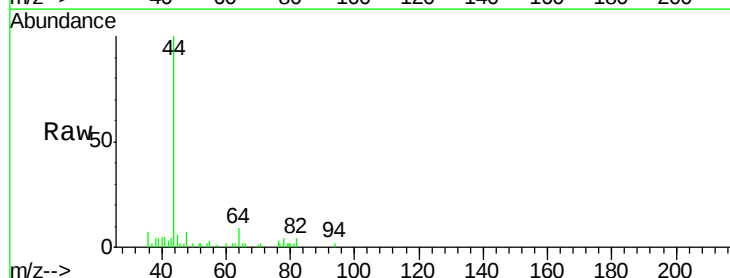
Acq: 30 Jun 2018 02:03

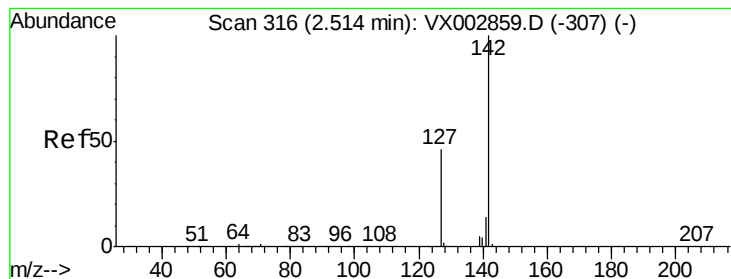
Tgt Ion: 64 Resp: 334

Ion Ratio Lower Upper

64 100

66 14.5 25.5 38.3#





#10

Methyl Iodide

Concen: 6.84 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :
MSVOA_X
ClientSampled :

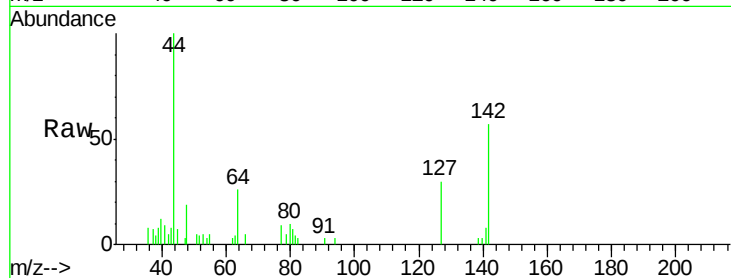
Tot Ion:142 Resp: 2245

Ion Ratio Lower Upper

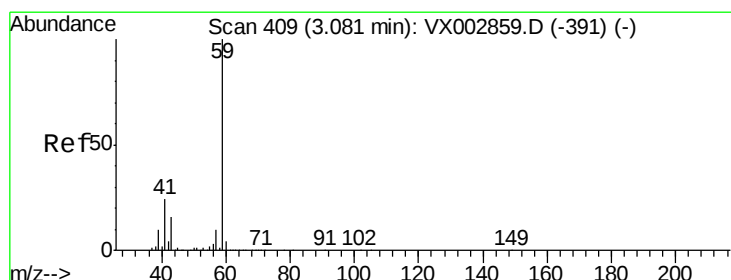
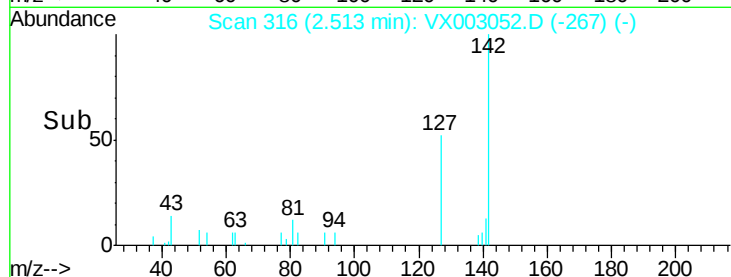
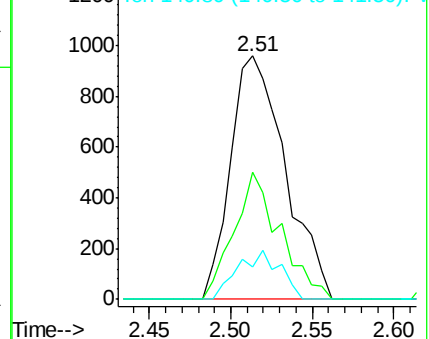
142 100

127 43.9 36.6 55.0

141 15.4 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 9.24 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX003052.D

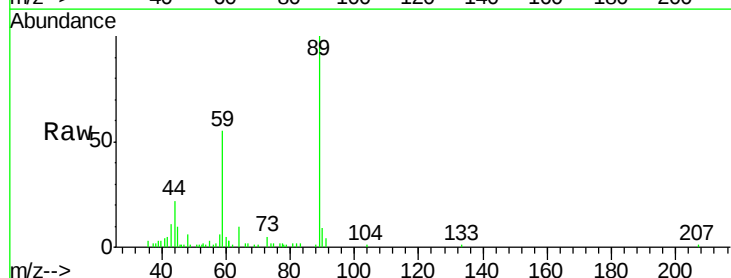
Acq: 30 Jun 2018 02:03

Tgt Ion: 59 Resp: 7250

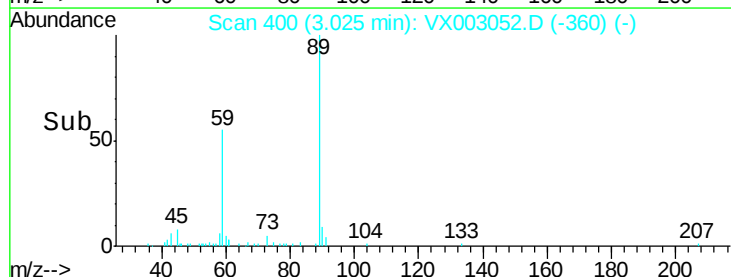
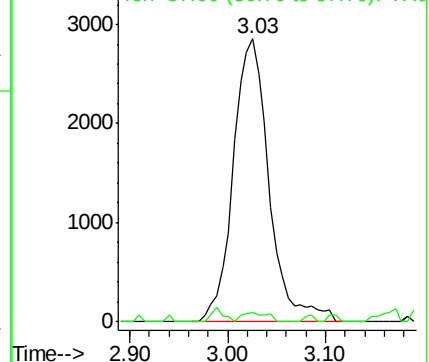
Ion Ratio Lower Upper

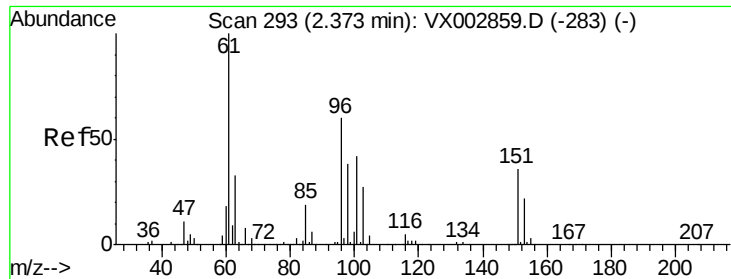
59 100

57 2.4 8.2 12.2#



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





#12

1,1-Dichloroethene

Concen: 0.45 ug/l

RT: 2.37 min Scan# 292

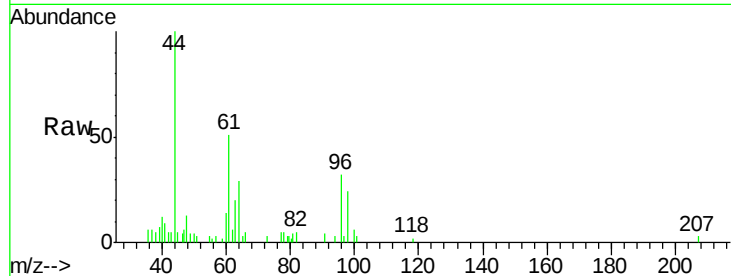
Delta R.T. -0.01 min

Lab File: VX003052.D

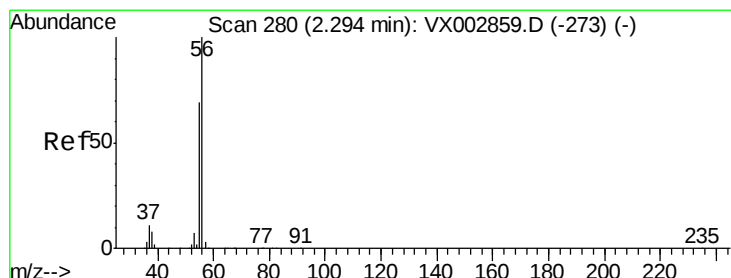
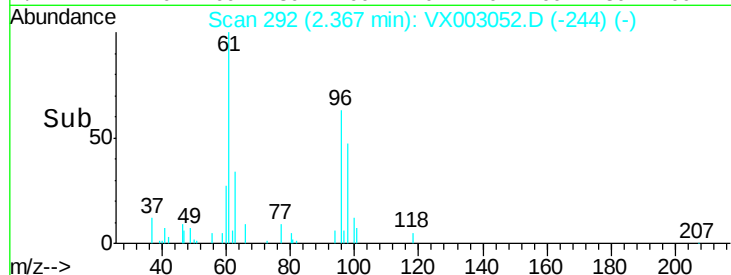
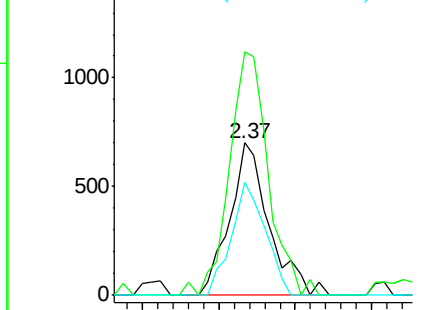
Acq: 30 Jun 2018 02:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	96	Resp:	1252
Ion	Ratio	Lower	Upper
96	100		
61	159.5	137.9	206.9
98	74.2	51.6	77.4



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



#13

Acrolein

Concen: 4.56 ug/l

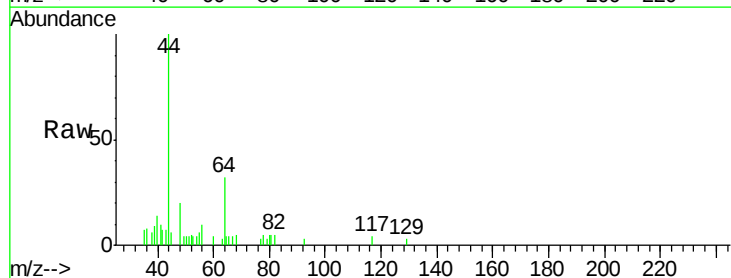
RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

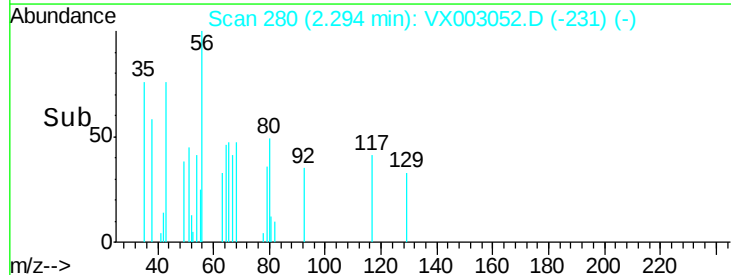
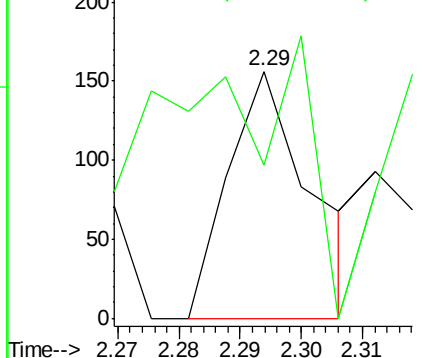
Lab File: VX003052.D

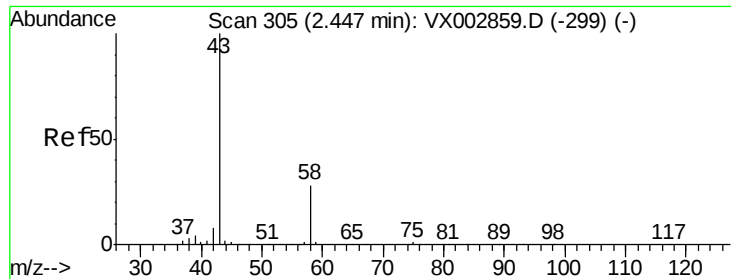
Acq: 30 Jun 2018 02:03

Tgt Ion:	56	Resp:	145
Ion	Ratio	Lower	Upper
56	100		
55	282.1	57.0	85.4#



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





#16

Acetone

Concen: 0.36 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

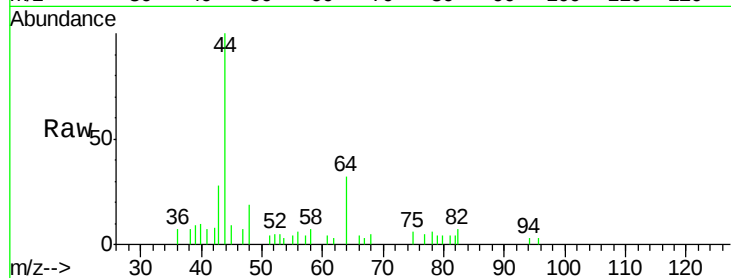
ClientSampleId :

Tot Ion: 43 Resp: 586

Ion Ratio Lower Upper

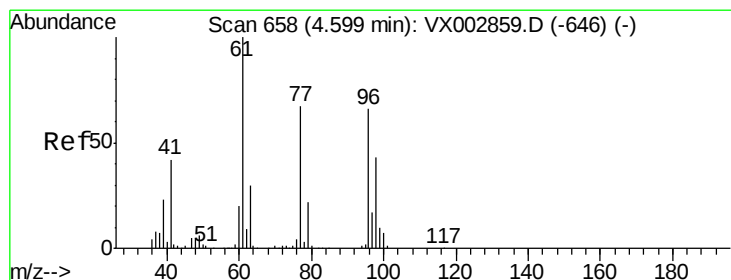
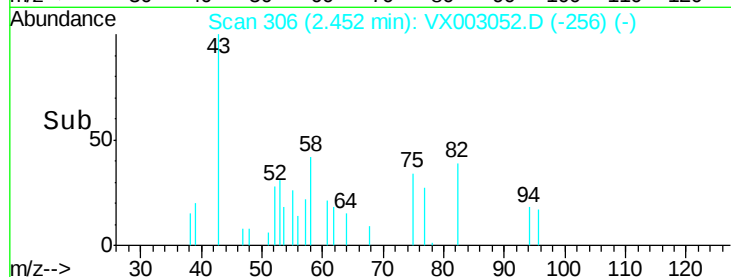
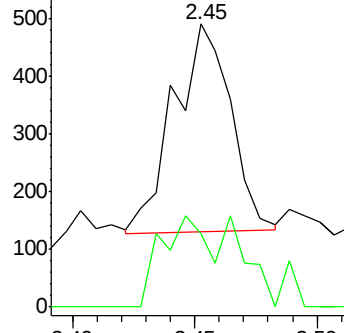
43 100

58 35.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 52.98 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

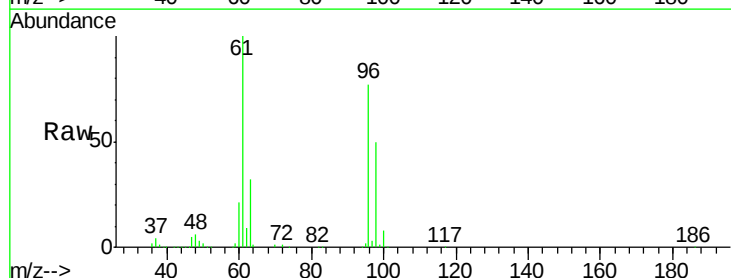
Tgt Ion: 96 Resp: 181757

Ion Ratio Lower Upper

96 100

61 135.9 0.0 330.2

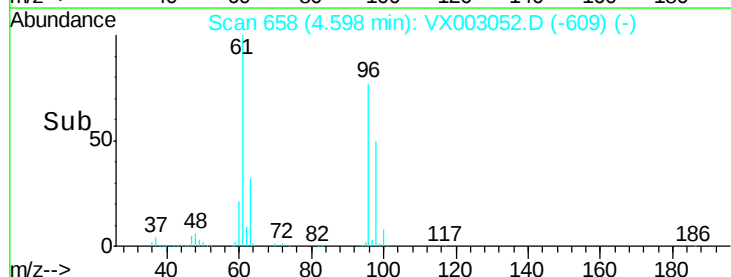
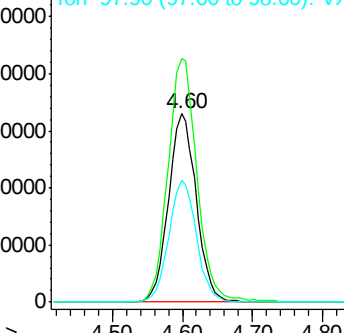
98 64.3 0.0 130.2

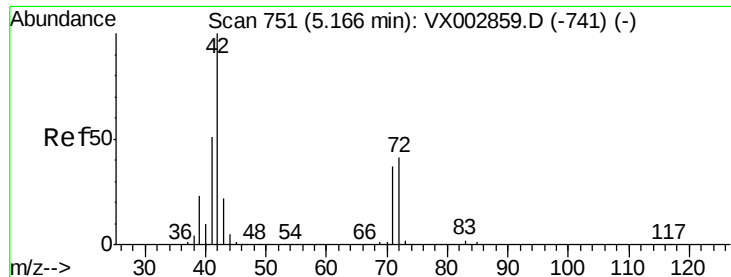


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

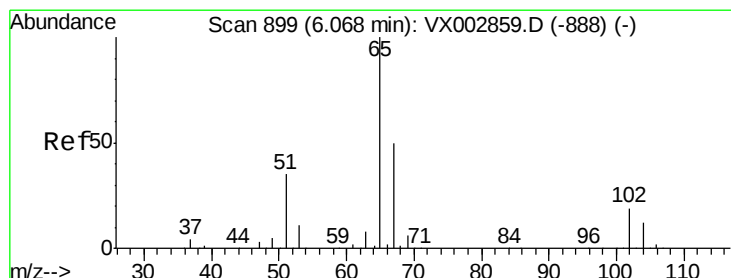
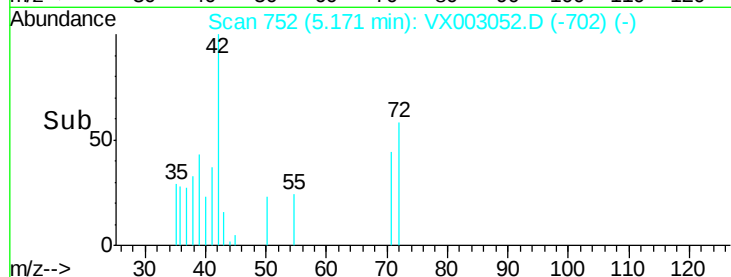
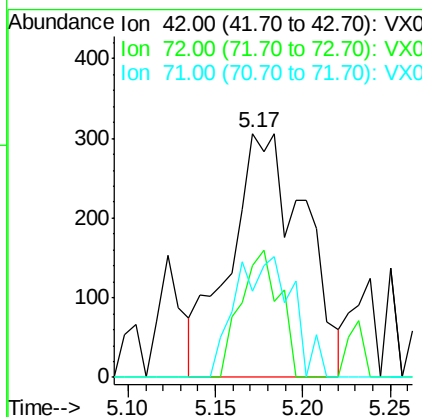
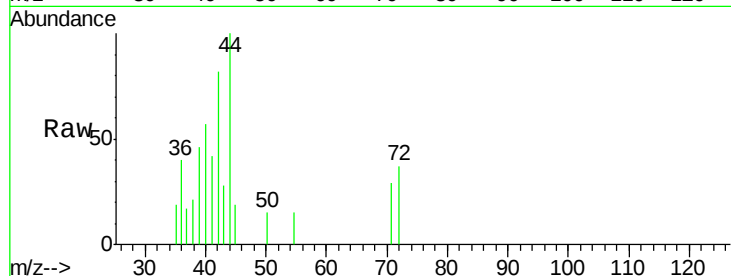




#29
Tetrahydrofuran
Concen: 0.59 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003052.D
Acq: 30 Jun 2018 02:03

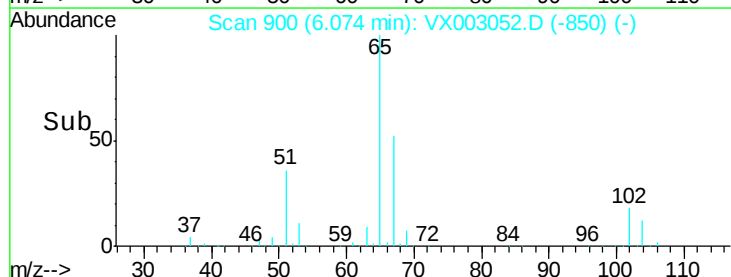
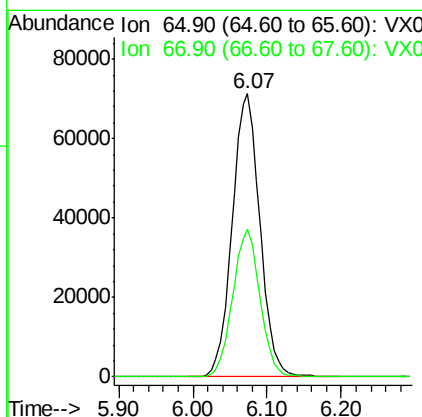
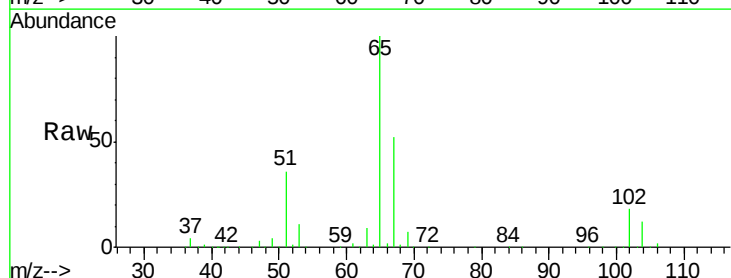
Instrument :
MSVOA_X
ClientSampleId :

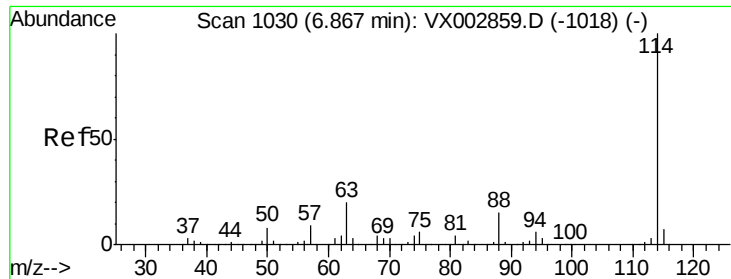
Tot Ion: 42 Resp: 913
Ion Ratio Lower Upper
42 100
72 27.1 32.0 48.0#
71 37.9 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 47.15 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003052.D
Acq: 30 Jun 2018 02:03

Tgt Ion: 65 Resp: 185646
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6

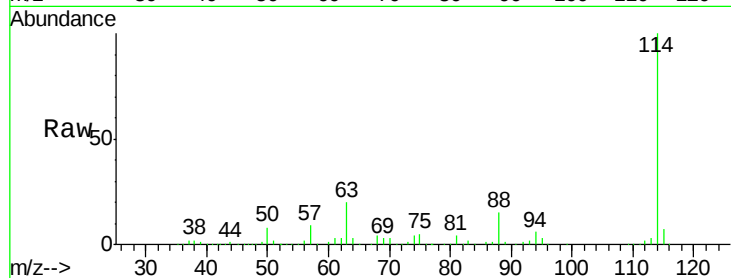




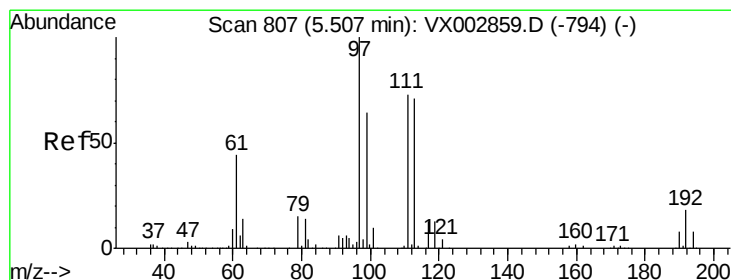
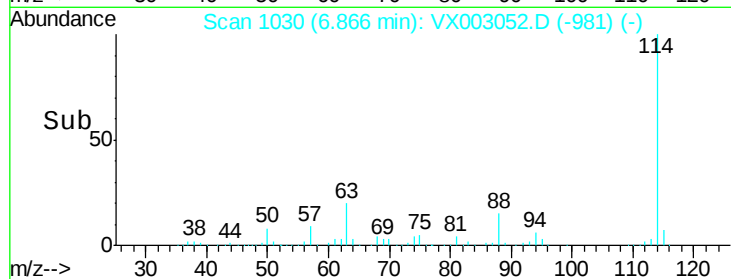
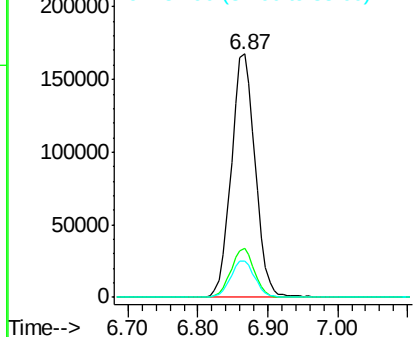
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003052.D
 Acq: 30 Jun 2018 02:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 397721
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.0 0.0 30.0

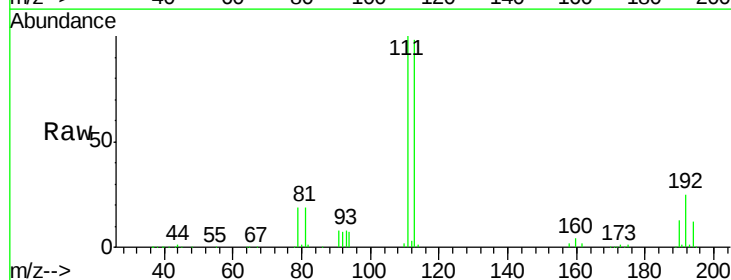


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

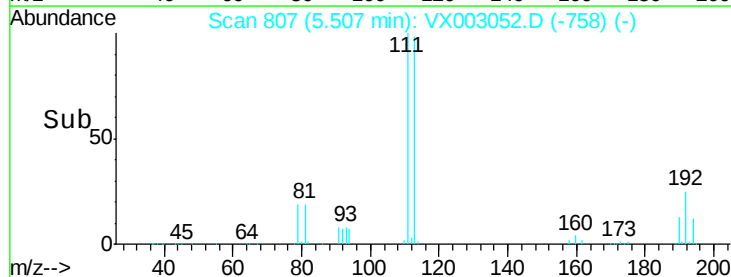
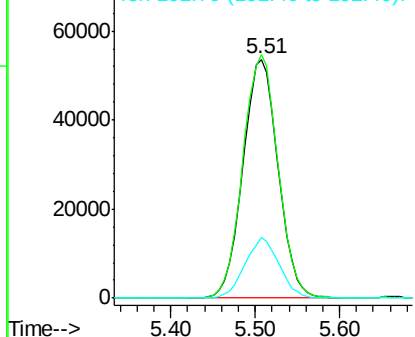


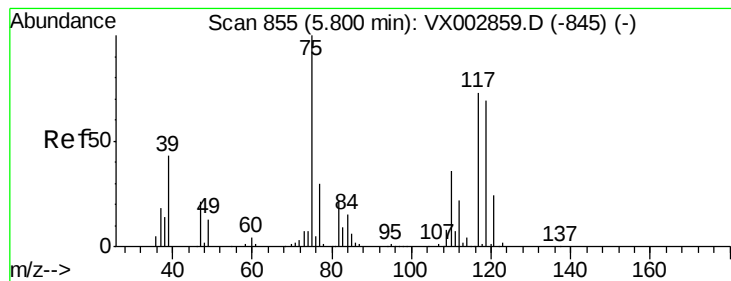
#35
 Dibromofluoromethane
 Concen: 48.01 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003052.D
 Acq: 30 Jun 2018 02:03

Tgt Ion:113 Resp: 151198
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.8 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.28 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

ClientSampleId :

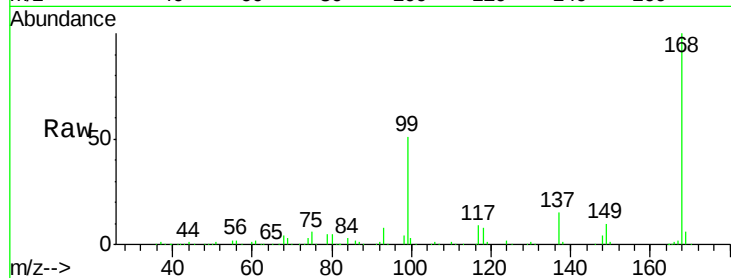
Tot Ion: 75 Resp: 18650

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

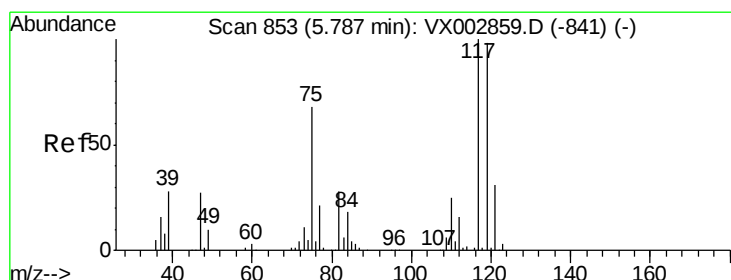
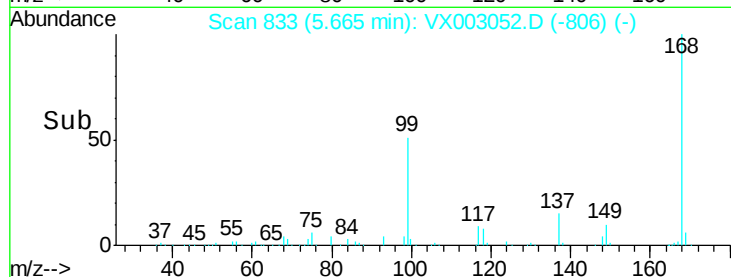
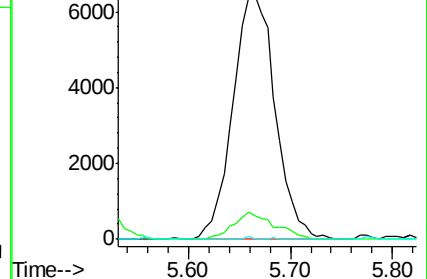
77 0.2 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX002859.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX002859.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX002859.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 5.34 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

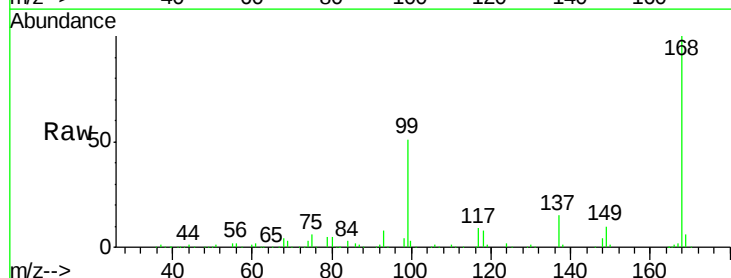
Tgt Ion: 117 Resp: 25552

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

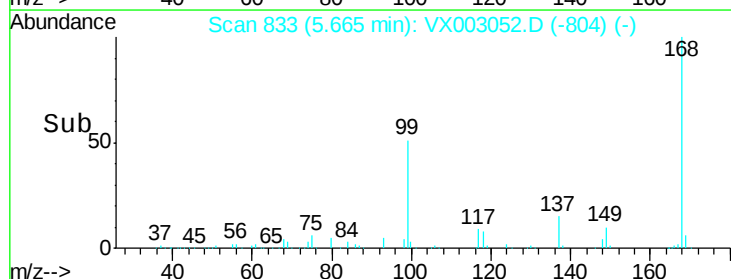
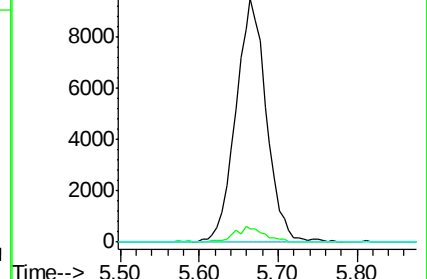
121 0.0 24.4 36.6#

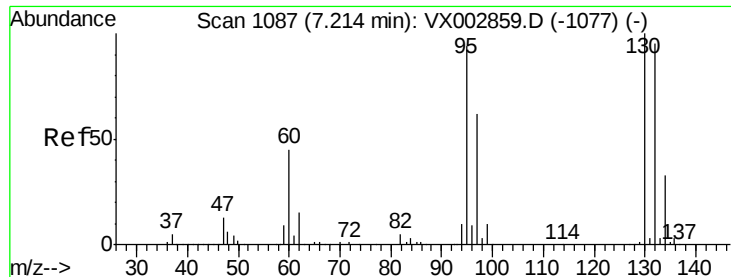


Abundance Ion 116.80 (116.50 to 117.50): VX002859.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX002859.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX002859.D (-841) (-)

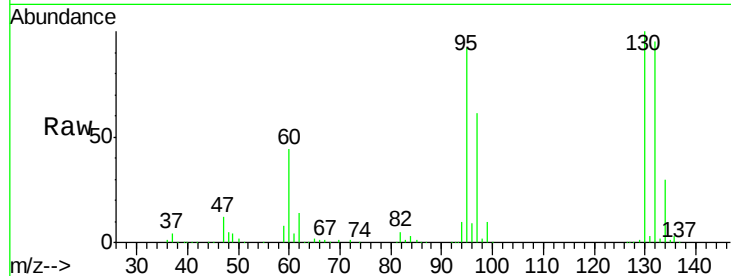




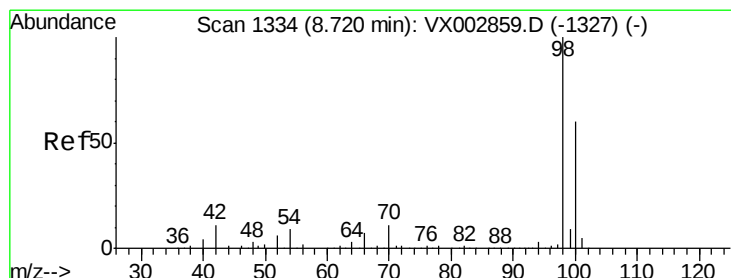
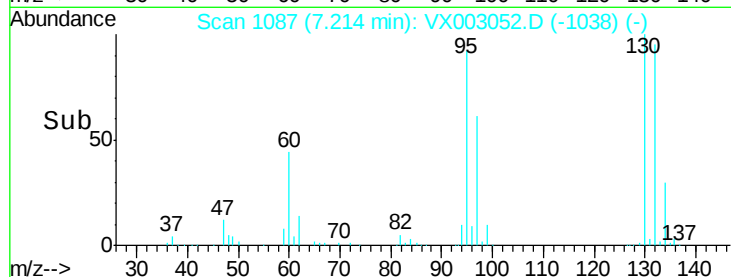
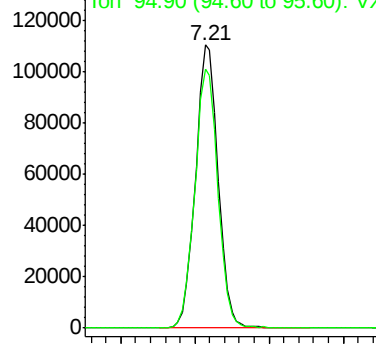
#44
 Trichloroethene
 Concen: 62.13 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003052.D
 Acq: 30 Jun 2018 02:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 234741
 Ion Ratio Lower Upper
 130 100
 95 91.7 0.0 185.4

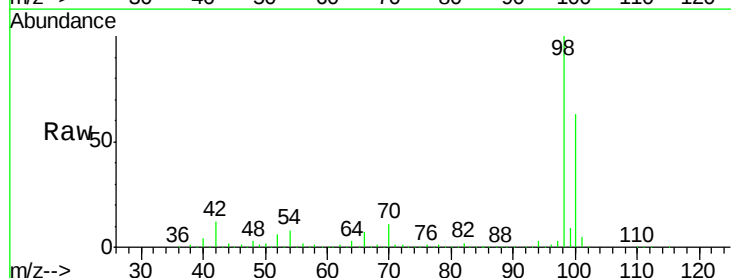


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

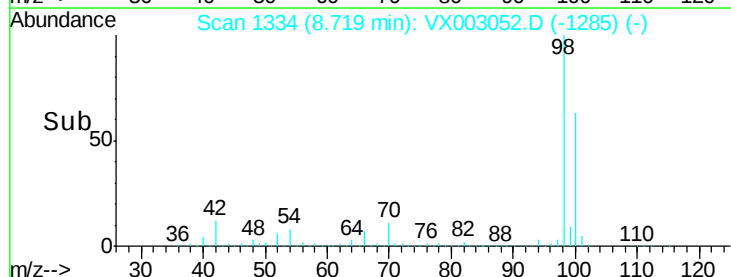
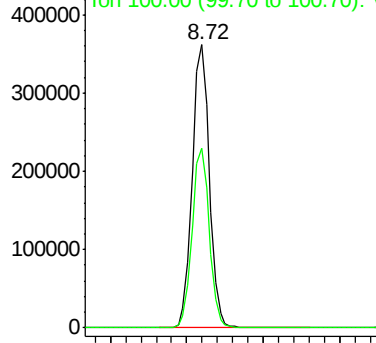


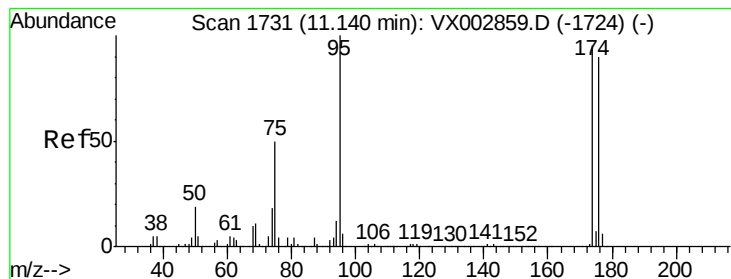
#50
 Toluene-d8
 Concen: 48.77 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003052.D
 Acq: 30 Jun 2018 02:03

Tgt Ion: 98 Resp: 560887
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

ClientSampleId :

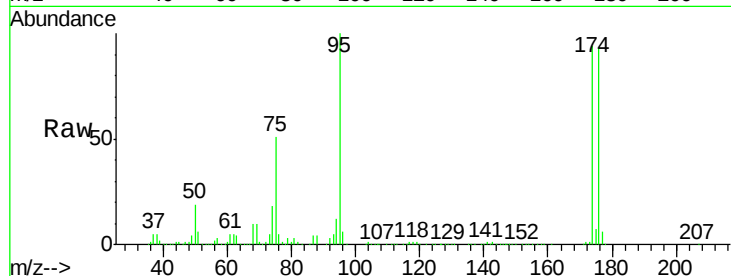
Tot Ion: 95 Resp: 204365

Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

176 94.8 0.0 181.0

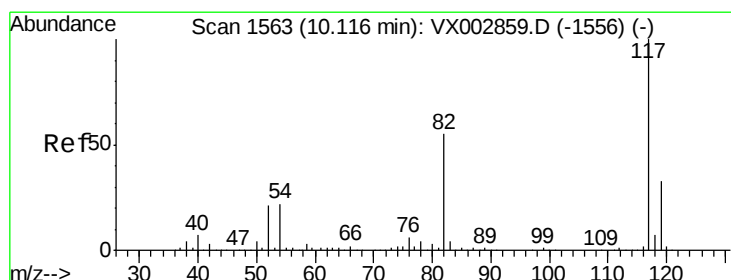
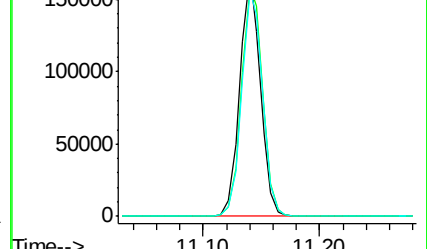
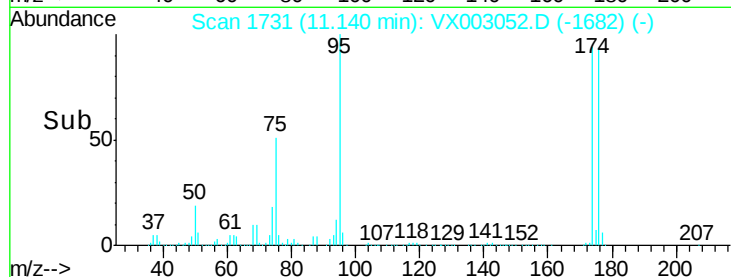


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

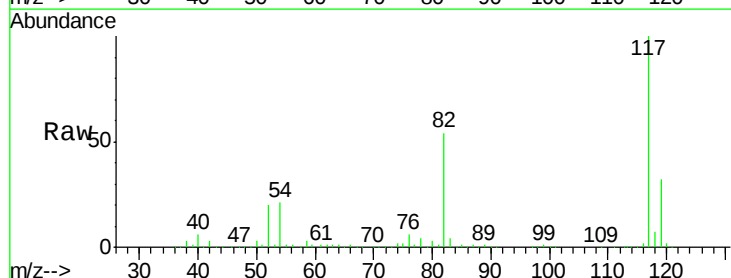
Tgt Ion: 117 Resp: 371396

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

119 32.5 25.8 38.6

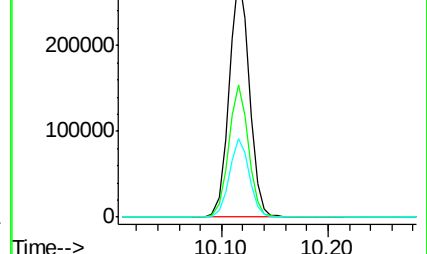
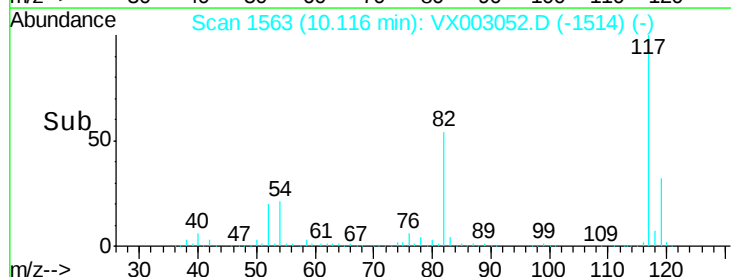


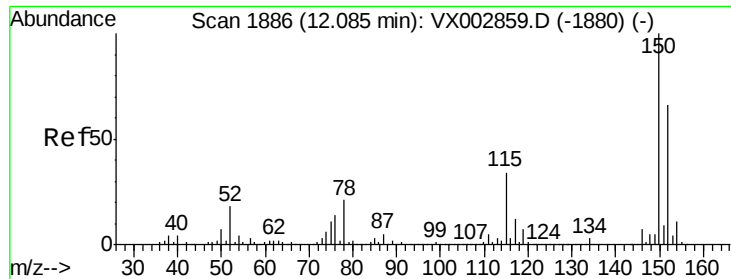
Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003052.D

Acq: 30 Jun 2018 02:03

Instrument :

MSVOA_X

ClientSampleId :

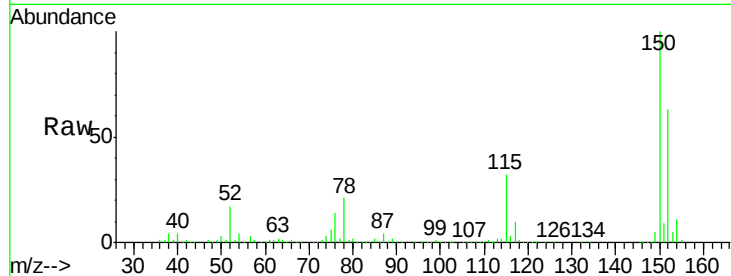
Tot Ion:152 Resp: 219877

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

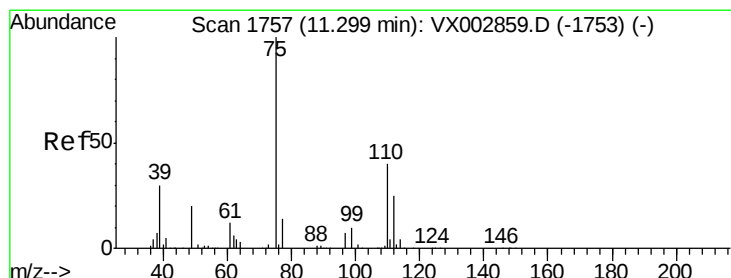
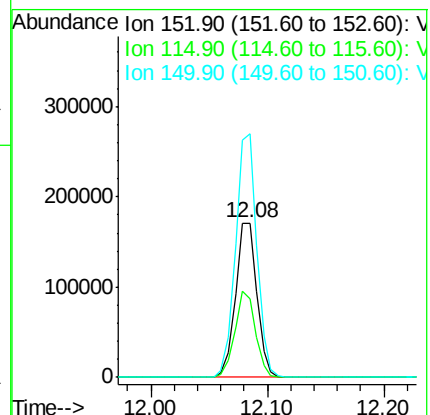
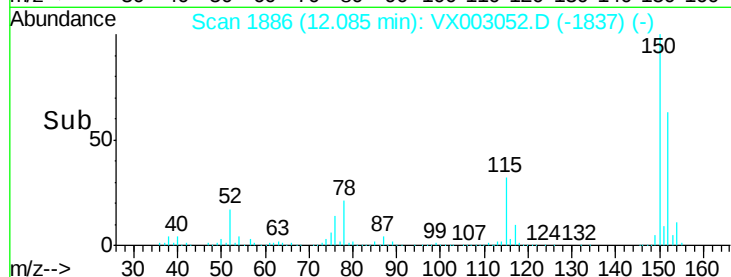
150 156.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003052.D

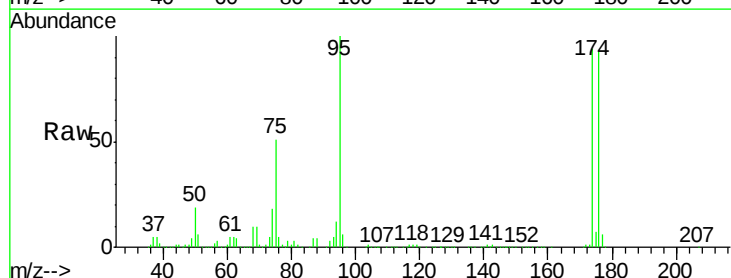
Acq: 30 Jun 2018 02:03

Tgt Ion: 75 Resp: 104667

Ion Ratio Lower Upper

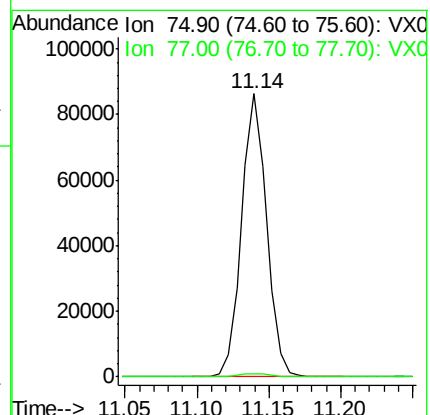
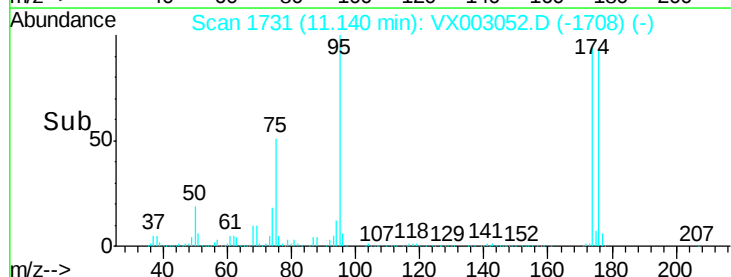
75 100

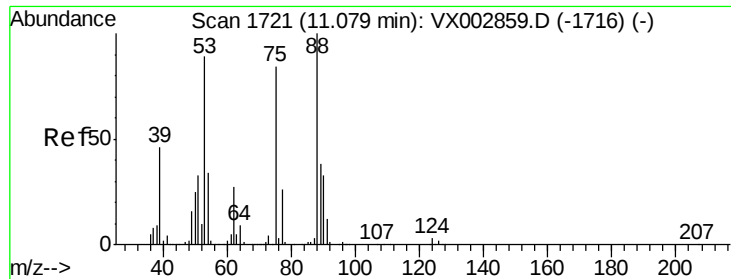
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003052.D
 Acq: 30 Jun 2018 02:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 104667
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

