

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003027.D
 Acq On : 29 Jun 2018 14:31
 Operator : JC/MD
 Sample : J3743-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 15:06:40 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	264760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193009	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	176264	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.34%	
35) Dibromofluoromethane	5.51	113	142185	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
50) Toluene-d8	8.72	98	516145	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.14	95	182489	44.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.12%	

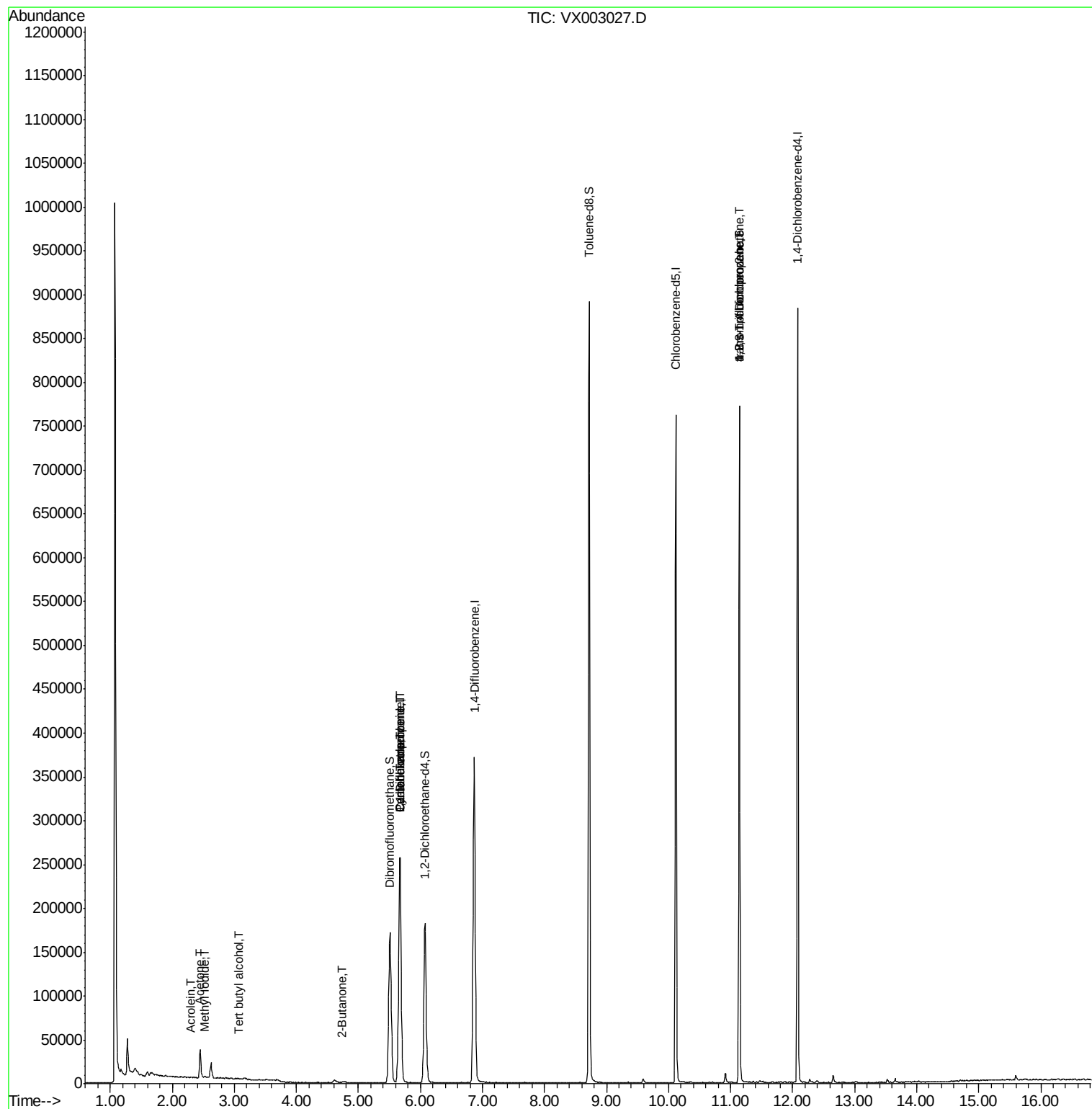
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	134	Below Cal		85
3) Chloromethane	1.32	50	695	Below Cal	#	88
5) Bromomethane	1.65	94	2176	Below Cal		95
6) Chloroethane	1.62	64	970	Below Cal	#	52
10) Methyl Iodide	2.52	142	1576	6.69	ug/l	# 74
11) Tert butyl alcohol	3.07	59	228	0.31	ug/l	# 1
13) Acrolein	2.30	56	445	5.31	ug/l	100
16) Acetone	2.45	43	35324	23.31	ug/l	98
25) 2-Butanone	4.73	43	782	0.35	ug/l	93
31) Cyclohexane	5.67	56	5060	1.10	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17305	4.25	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	23573	5.27	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	93728	26.81	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	93728	75.92	ug/l	# 7

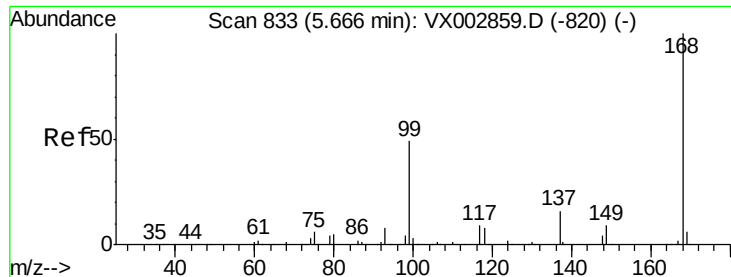
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003027.D

Acq: 29 Jun 2018 14:31

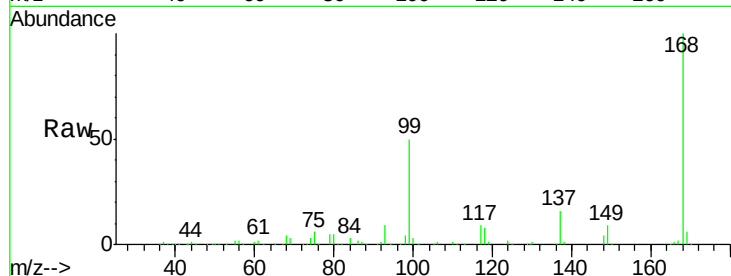
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 264760

Ion Ratio Lower Upper

168 100

99 49.6 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

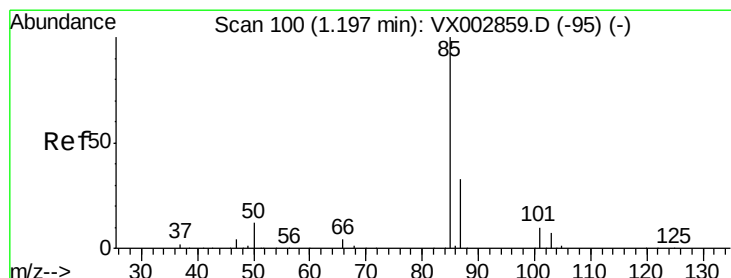
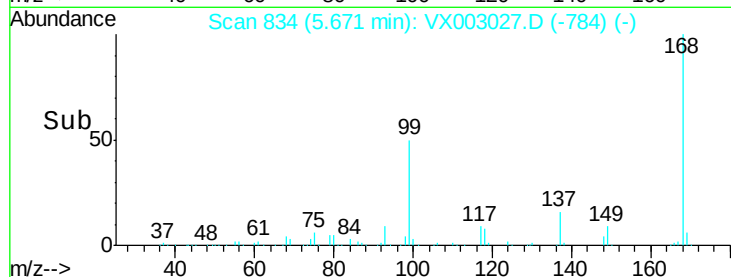
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003027.D

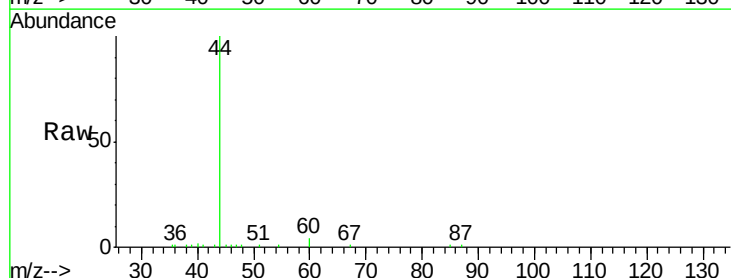
Acq: 29 Jun 2018 14:31

Tgt Ion: 85 Resp: 134

Ion Ratio Lower Upper

85 100

87 40.5 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

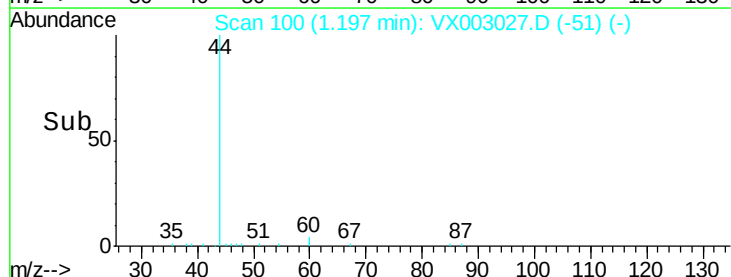
150

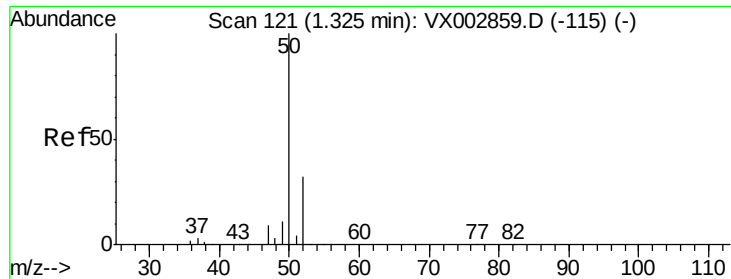
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

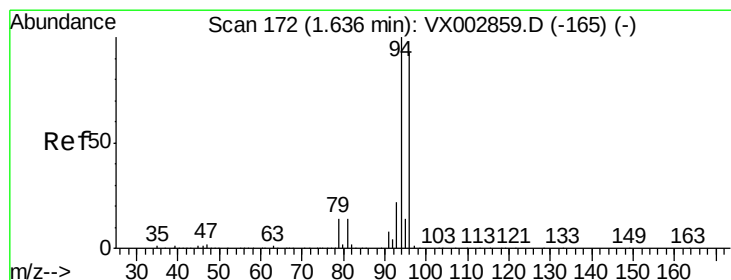
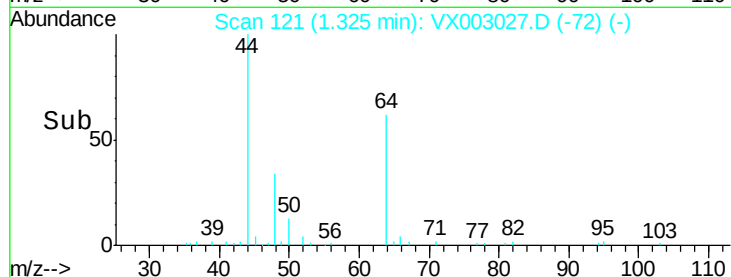
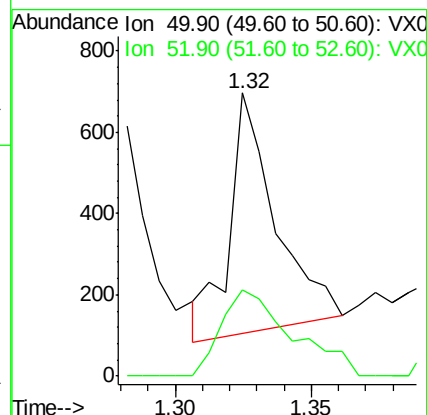
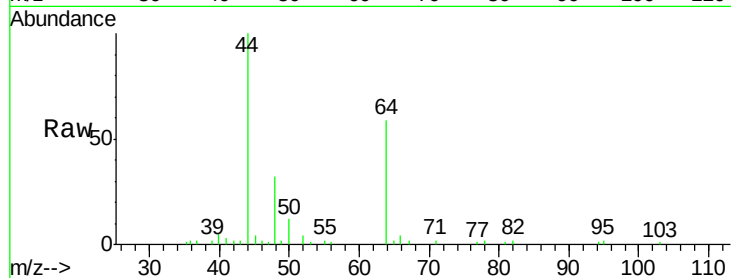
ClientSampleId :

Tot Ion: 50 Resp: 695

Ion Ratio Lower Upper

50 100

52 38.8 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003027.D

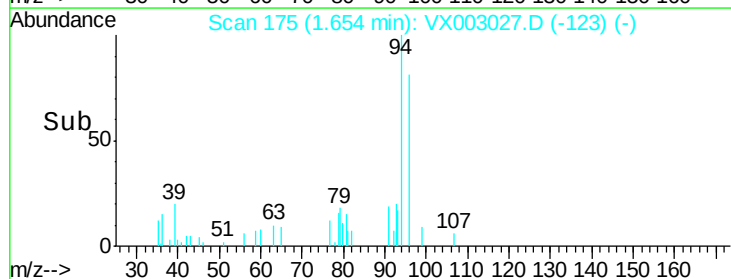
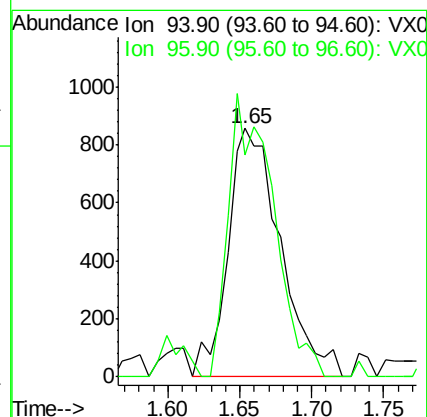
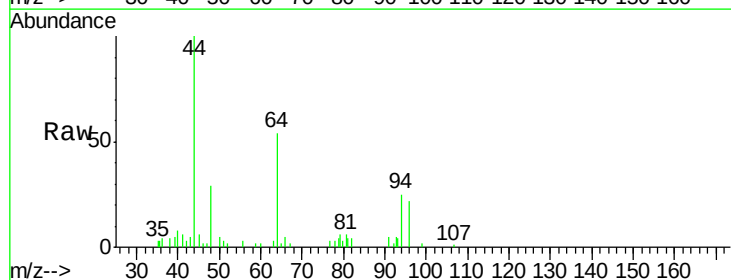
Acq: 29 Jun 2018 14:31

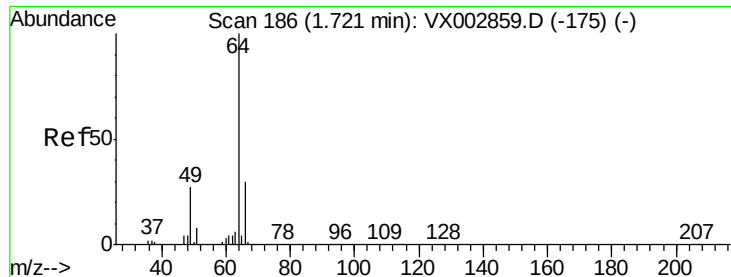
Tgt Ion: 94 Resp: 2176

Ion Ratio Lower Upper

94 100

96 89.1 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.10 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

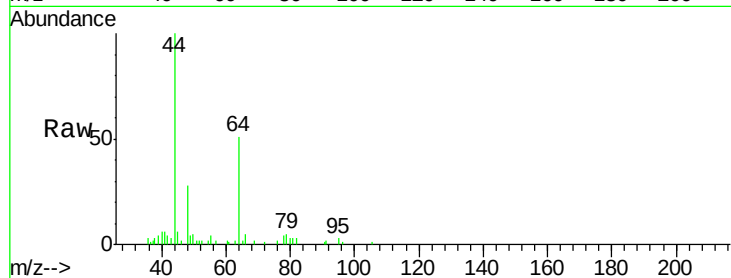
ClientSampleId :

Tot Ion: 64 Resp: 970

Ion Ratio Lower Upper

64 100

66 5.1 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

1500

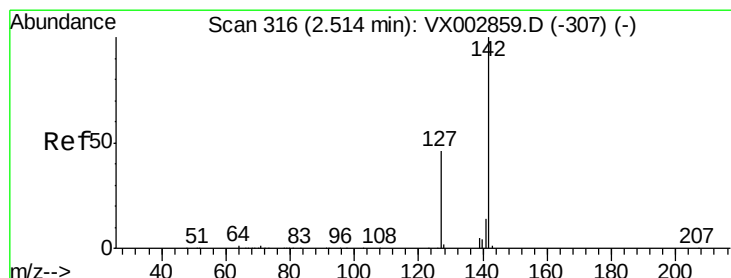
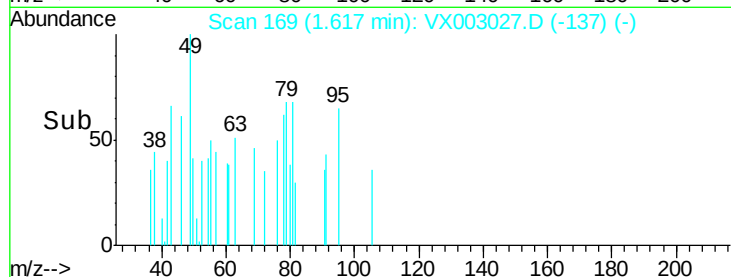
1000

500

0

1.60 1.62 1.64 1.66

Time-->



#10

Methyl Iodide

Concen: 6.69 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

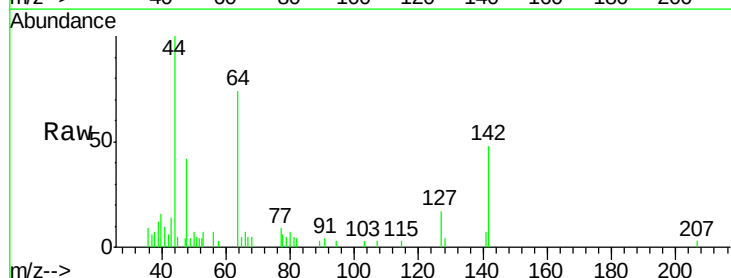
Tgt Ion:142 Resp: 1576

Ion Ratio Lower Upper

142 100

127 24.4 36.6 55.0#

141 16.4 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

2.52

1000

800

600

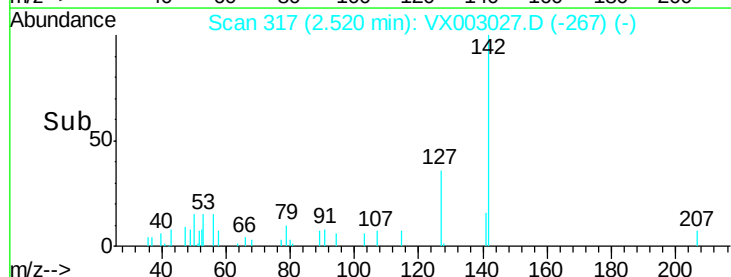
400

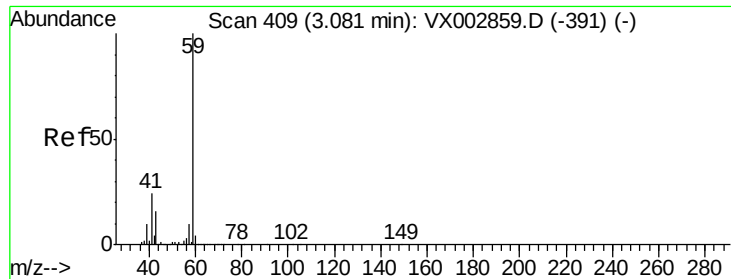
200

0

2.45 2.50 2.55

Time-->



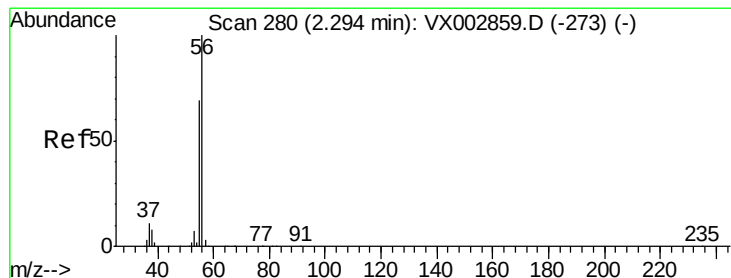
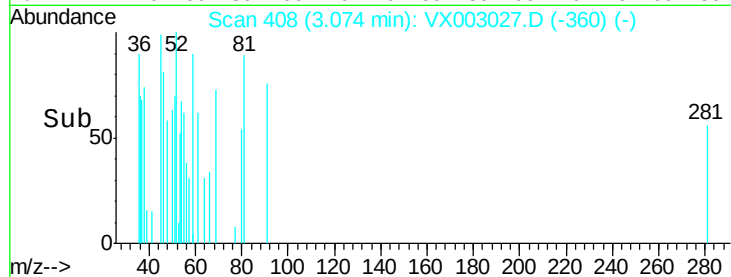
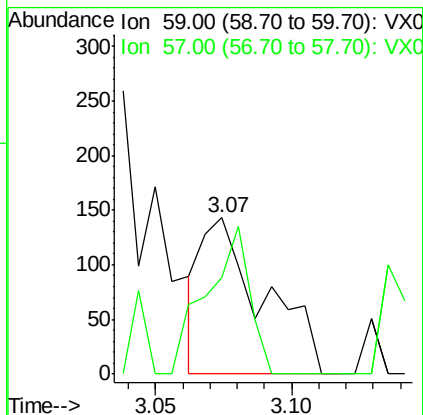
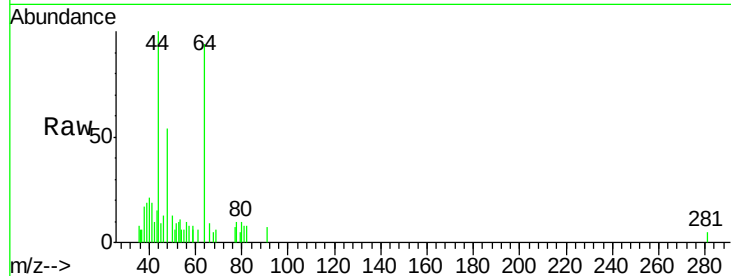


#11

Tert butyl alcohol
 Concen: 0.31 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003027.D
 Acq: 29 Jun 2018 14:31

Instrument :
 MSVOA_X
 ClientSampled :

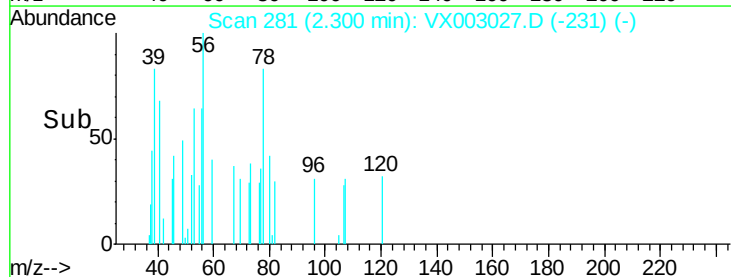
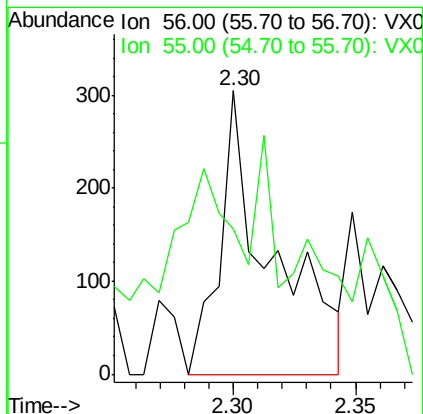
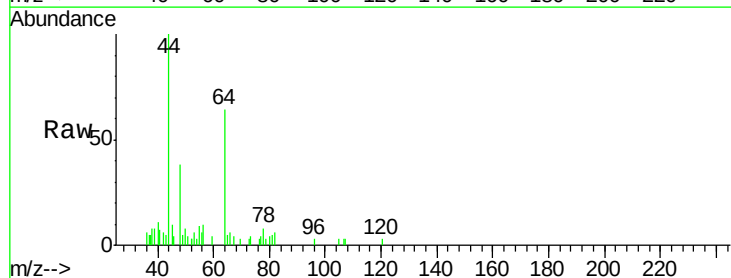
Tot Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 65.4 8.2 12.2#

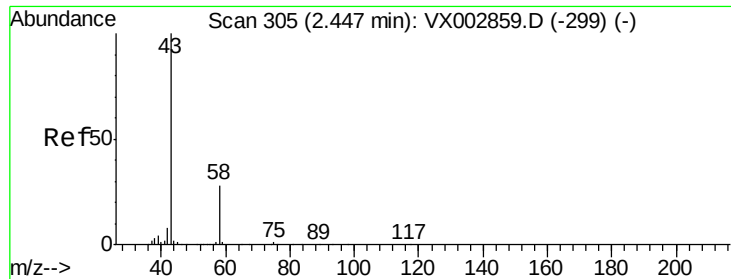


#13

Acrolein
 Concen: 5.31 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003027.D
 Acq: 29 Jun 2018 14:31

Tgt Ion: 56 Resp: 445
 Ion Ratio Lower Upper
 56 100
 55 71.0 57.0 85.4





#16

Acetone

Concen: 23.31 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

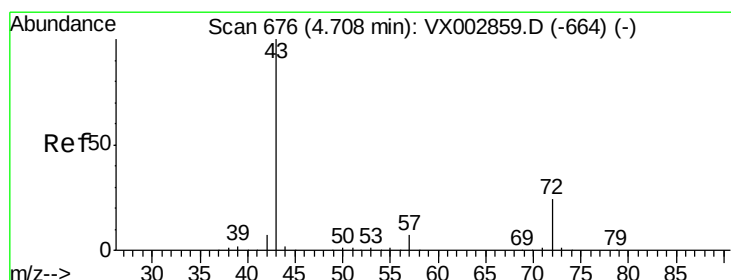
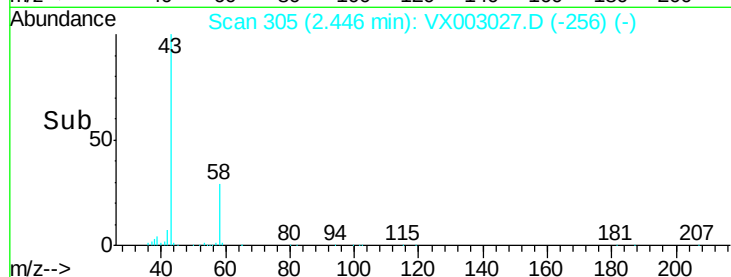
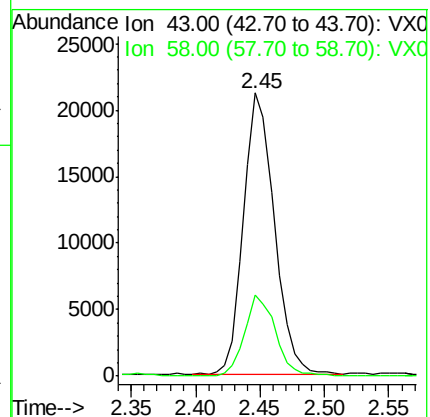
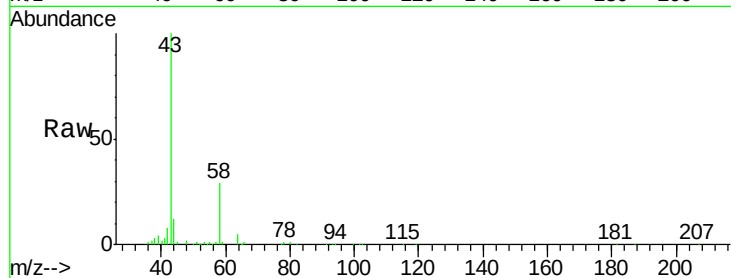
ClientSampleId :

Tot Ion: 43 Resp: 35324

Ion Ratio Lower Upper

43 100

58 28.8 22.1 33.1



#25

2-Butanone

Concen: 0.35 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX003027.D

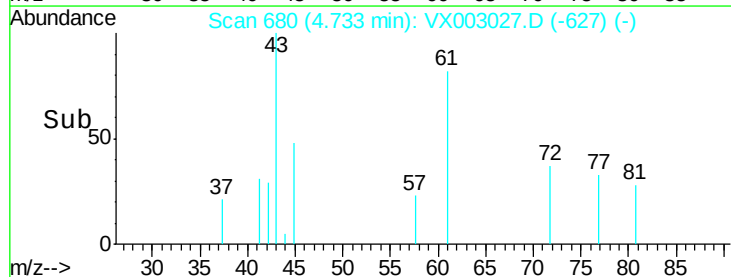
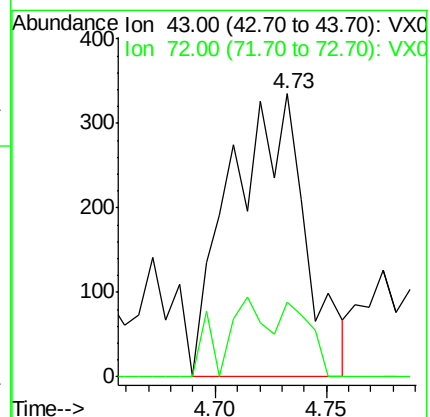
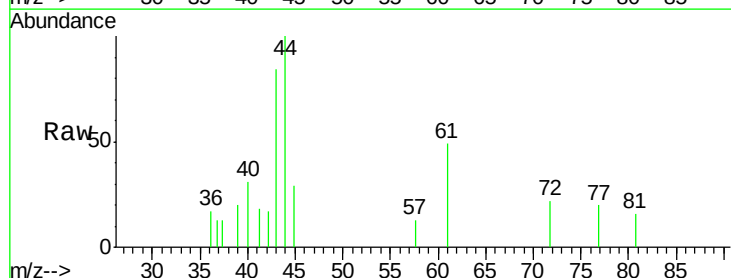
Acq: 29 Jun 2018 14:31

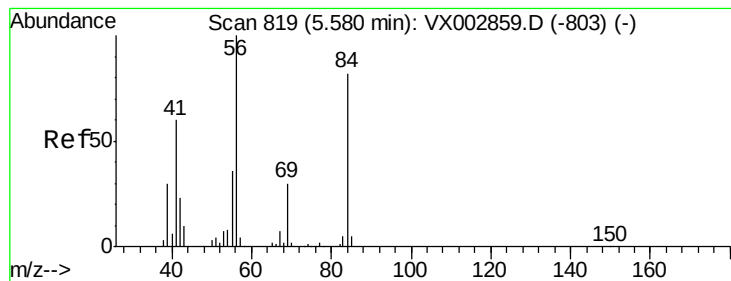
Tgt Ion: 43 Resp: 782

Ion Ratio Lower Upper

43 100

72 26.6 18.5 27.7





#31

Cyclohexane

Concen: 1.10 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

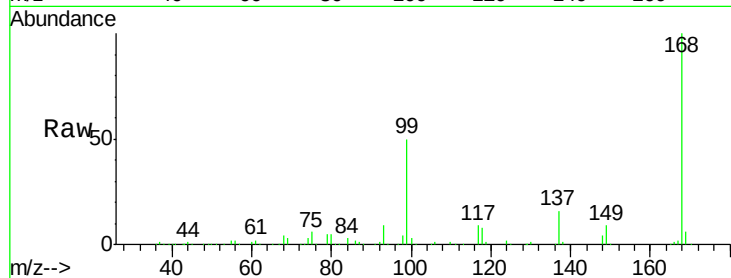
Tot Ion: 56 Resp: 5060

Ion Ratio Lower Upper

56 100

69 151.6 23.7 35.5#

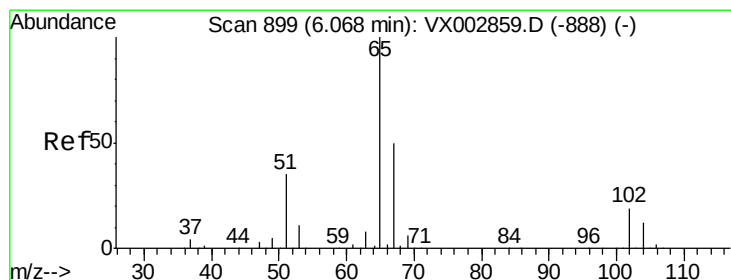
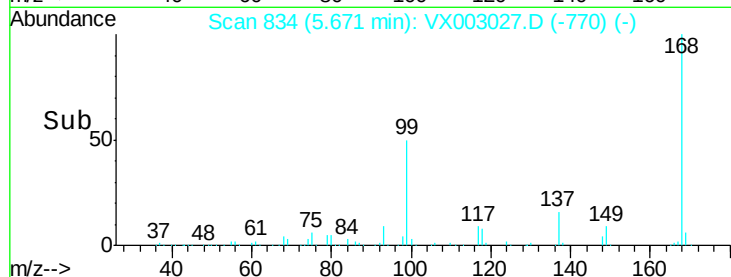
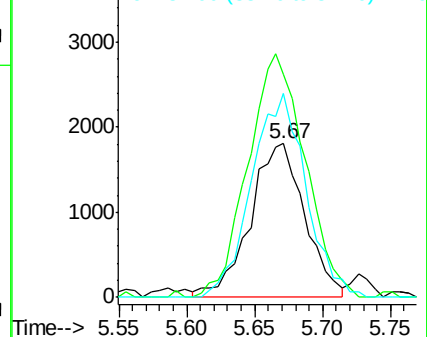
84 138.7 64.1 96.1#



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: 48.17 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003027.D

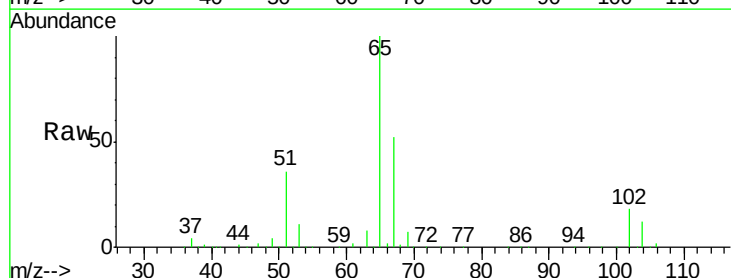
Acq: 29 Jun 2018 14:31

Tgt Ion: 65 Resp: 176264

Ion Ratio Lower Upper

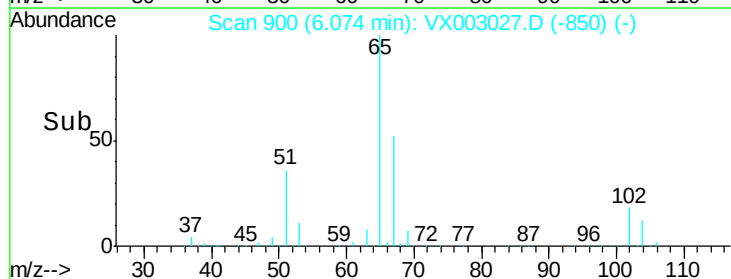
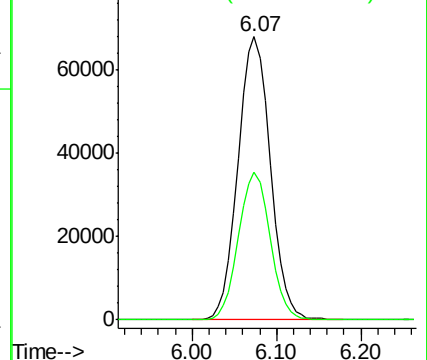
65 100

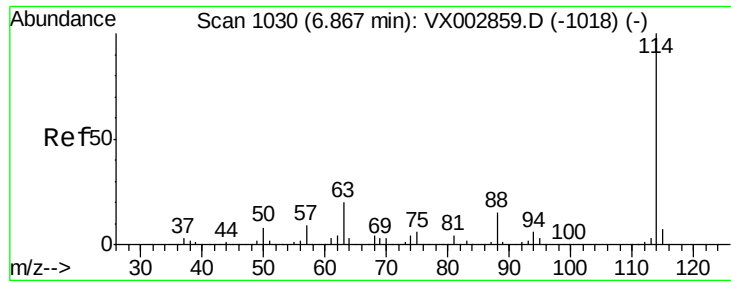
67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

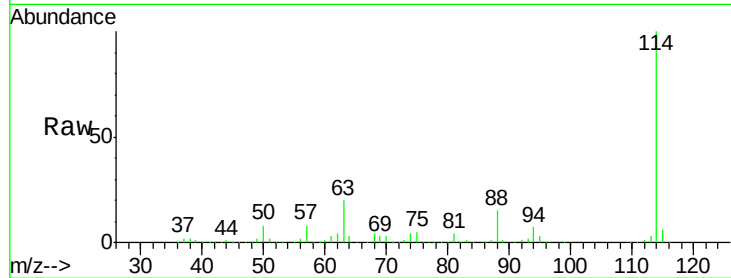
Tot Ion:114 Resp: 371349

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

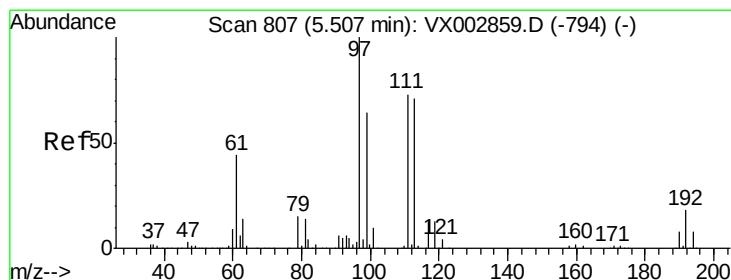
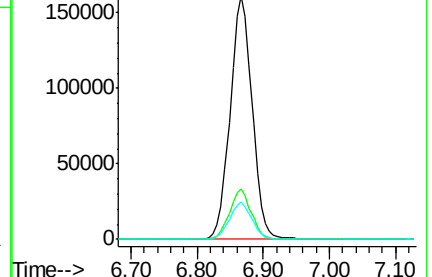
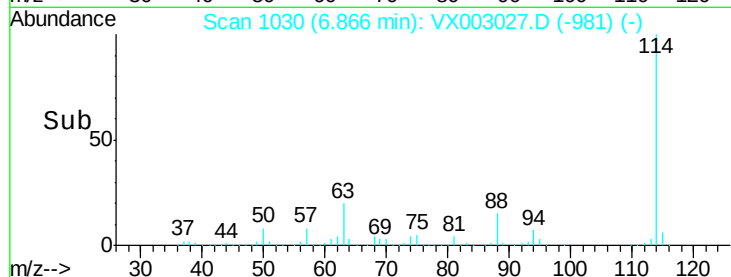
88 15.3 0.0 30.0



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: 48.35 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

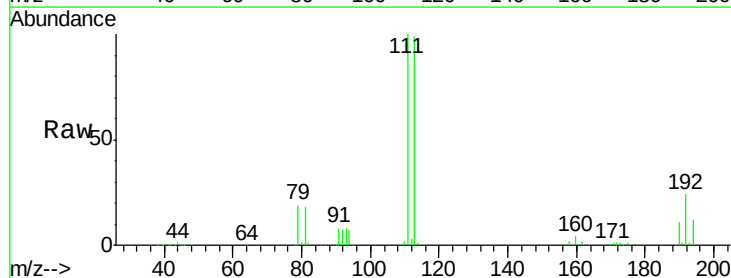
Tgt Ion:113 Resp: 142185

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

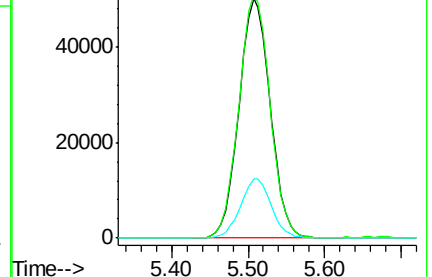
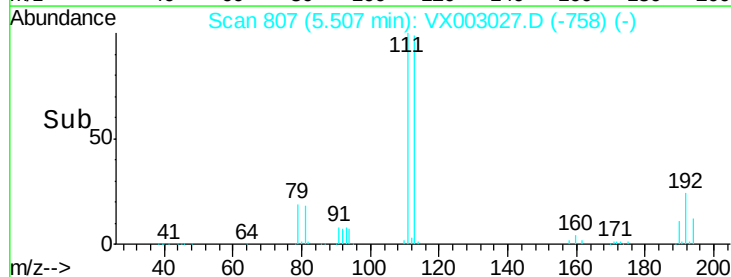
192 24.4 19.1 28.7

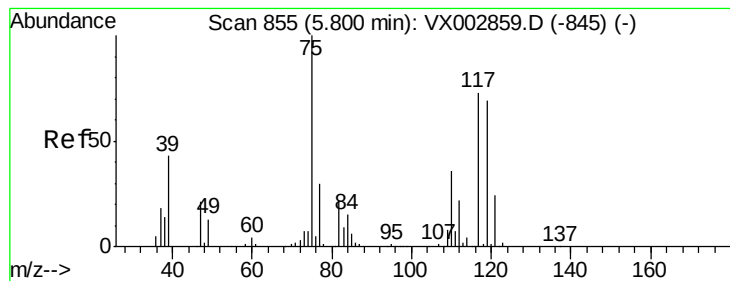


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

Instrument :

MSVOA_X

ClientSampleId :

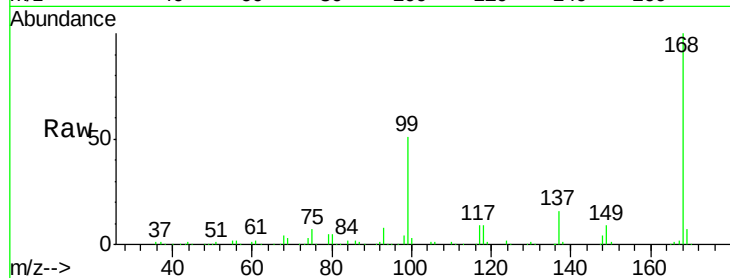
Tot Ion: 75 Resp: 17305

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

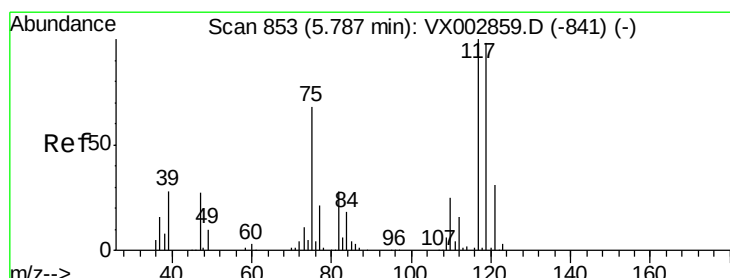
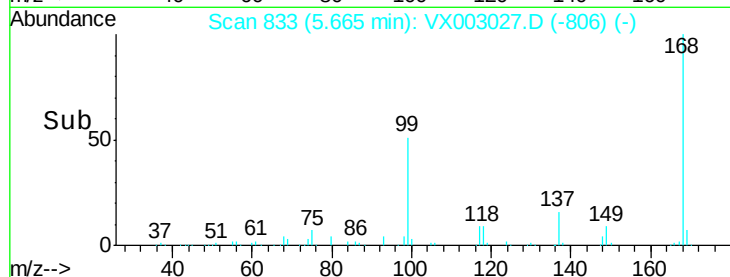
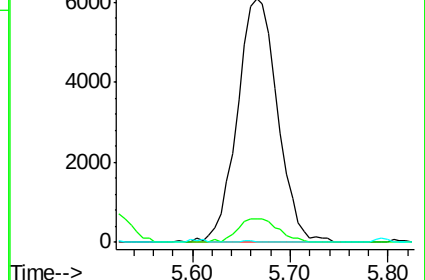
77 0.2 24.3 36.5#



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: 5.27 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003027.D

Acq: 29 Jun 2018 14:31

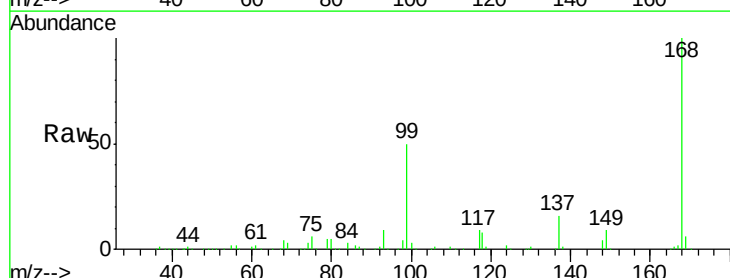
Tgt Ion: 117 Resp: 23573

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

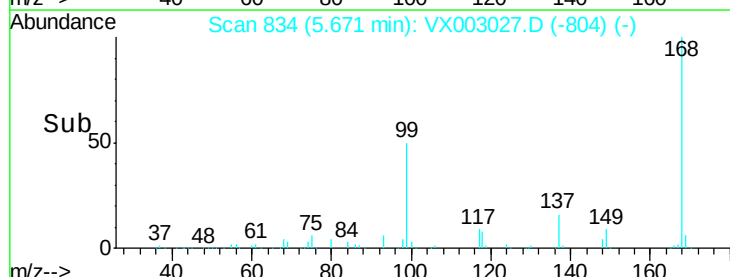
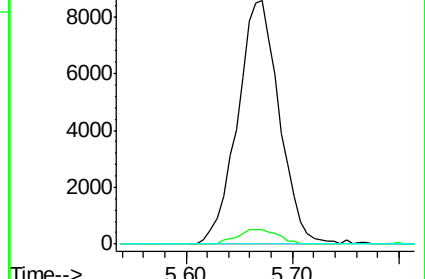
121 0.0 24.4 36.6#

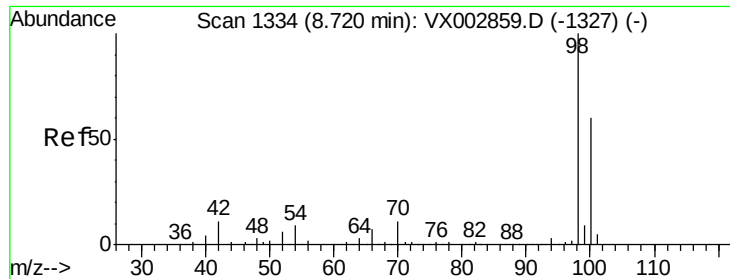


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

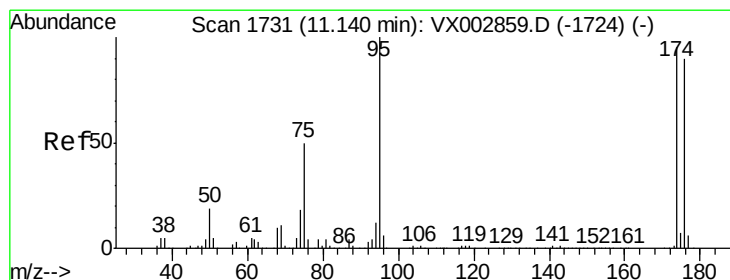
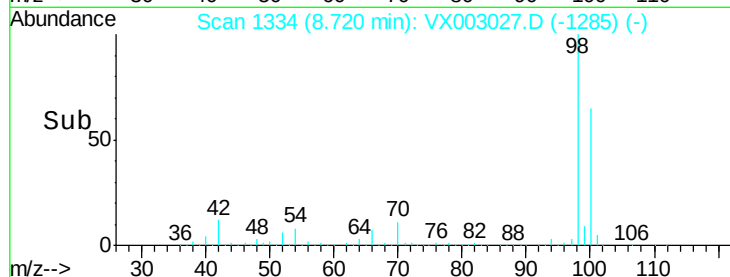
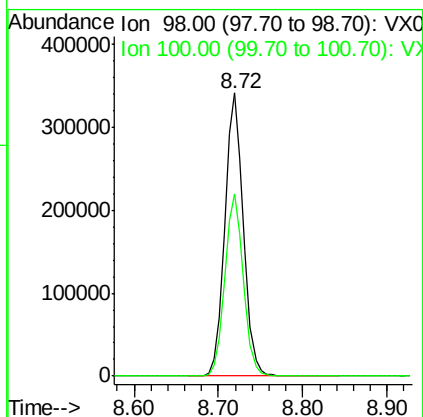
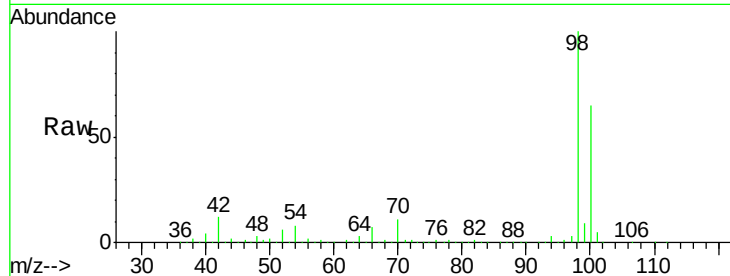




#50
Toluene-d8
Concen: 48.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003027.D
Acq: 29 Jun 2018 14:31

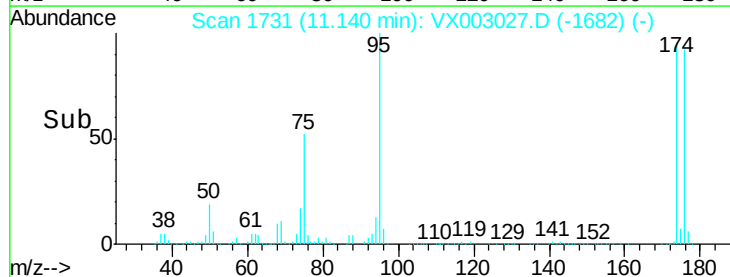
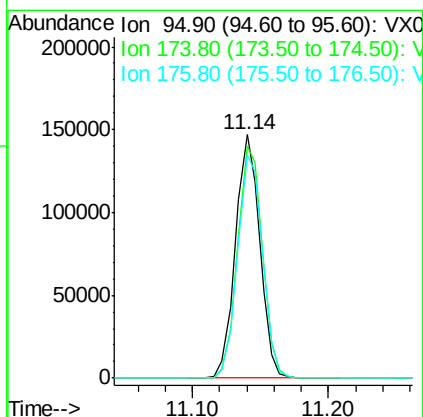
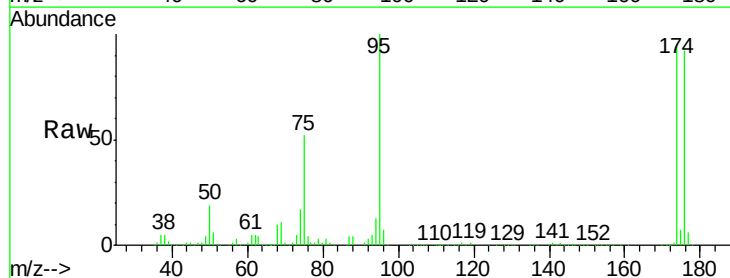
Instrument :
MSVOA_X
ClientSampleId :

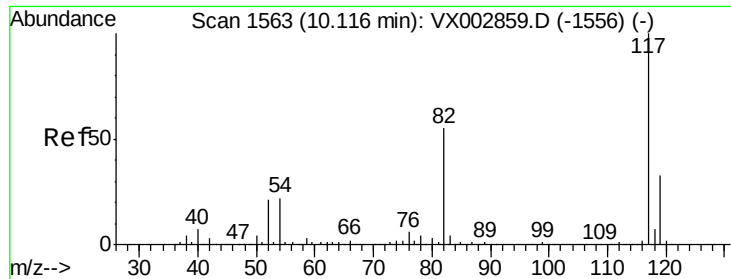
Tot Ion: 98 Resp: 516145
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.06 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003027.D
Acq: 29 Jun 2018 14:31

Tgt Ion: 95 Resp: 182489
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 94.5 0.0 181.0

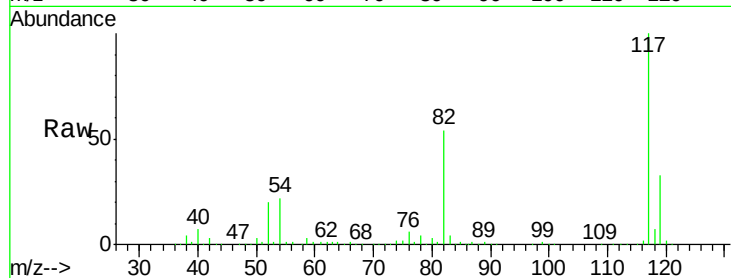




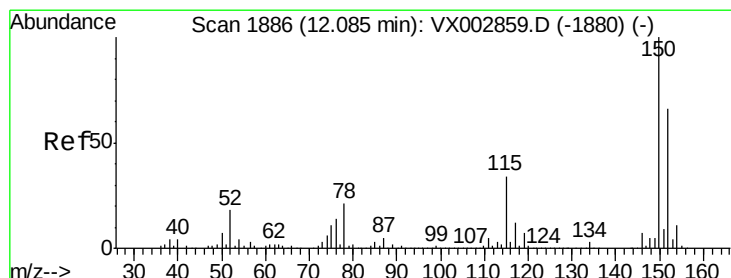
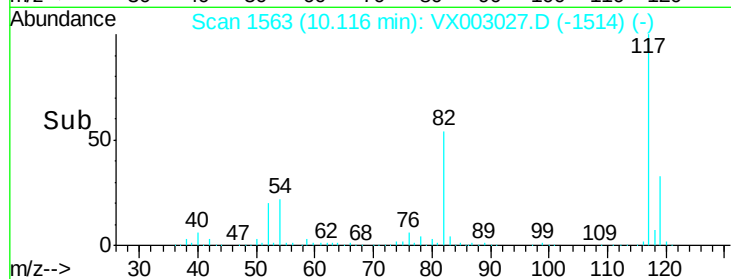
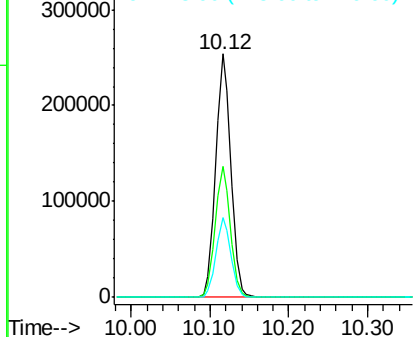
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003027.D
Acq: 29 Jun 2018 14:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 341944
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.5 25.8 38.6

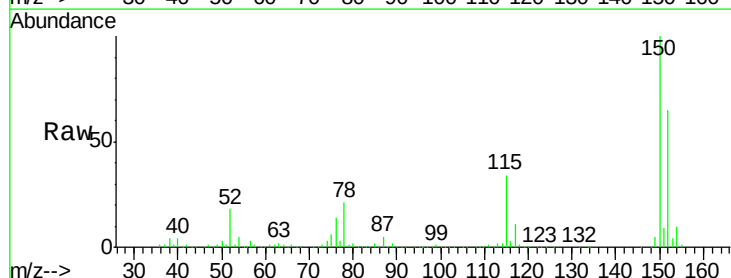


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

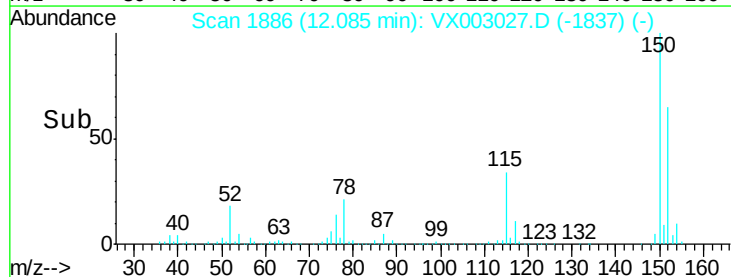
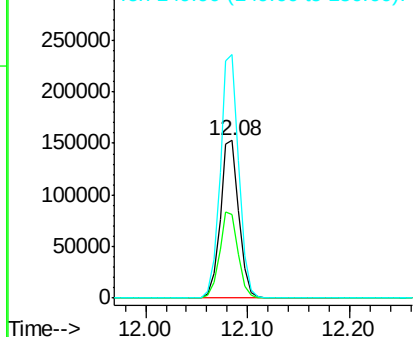


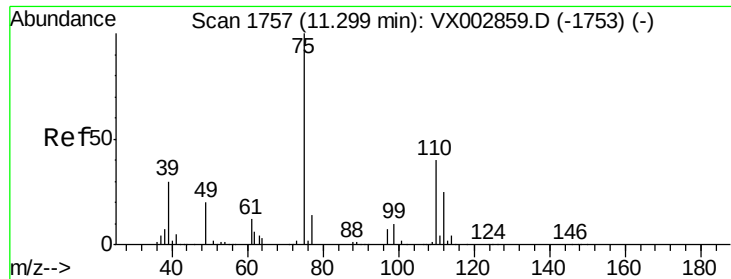
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003027.D
Acq: 29 Jun 2018 14:31

Tgt Ion:152 Resp: 193009
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 155.5 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

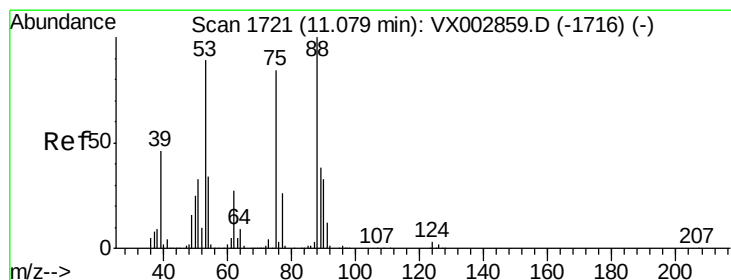
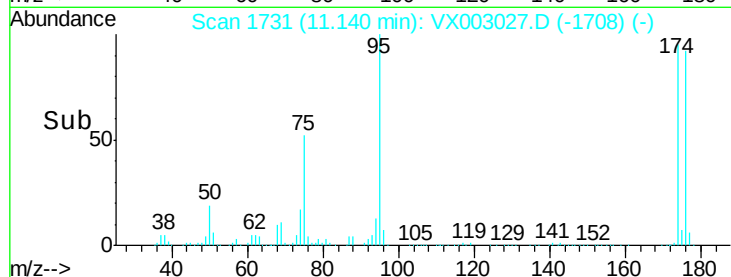
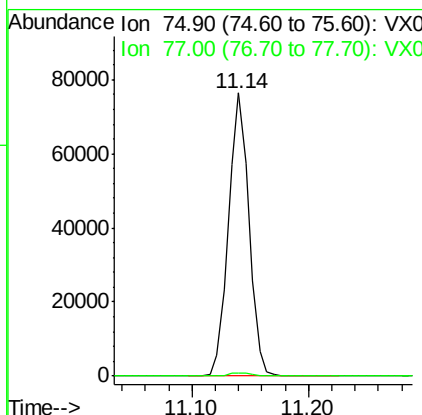
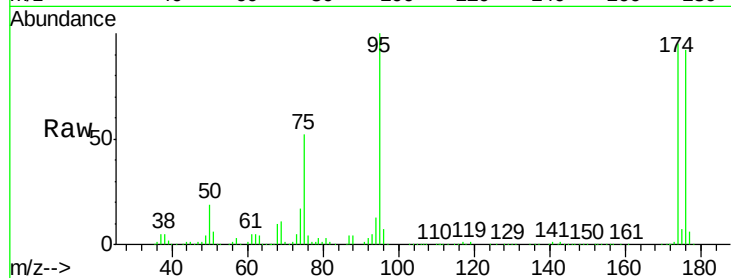




#76
 1,2,3-Trichloropropane
 Concen: 26.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003027.D
 Acq: 29 Jun 2018 14:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 93728
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.92 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003027.D
 Acq: 29 Jun 2018 14:31

Tgt Ion: 75 Resp: 93728
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

