

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003195.D
 Acq On : 06 Jul 2018 02:21
 Operator : JC/MD
 Sample : J3844-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 06 03:29:23 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	276321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202575	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	177299	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.51	113	147320	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	8.72	98	529297	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.14	95	187933	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

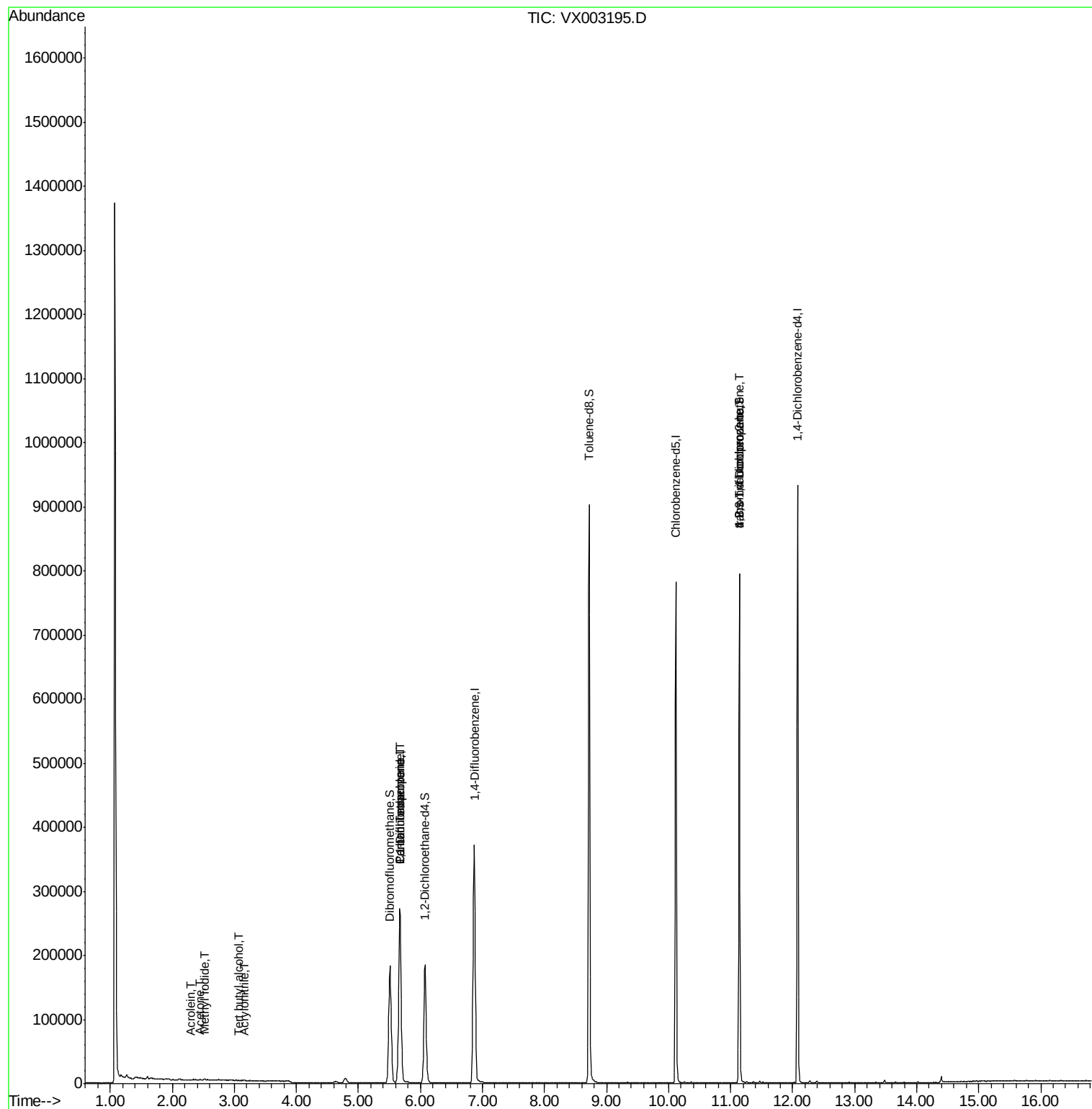
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	160	Below Cal	#	43
3) Chloromethane	1.33	50	752	Below Cal		95
5) Bromomethane	1.65	94	1567	Below Cal		95
6) Chloroethane	1.72	64	247	Below Cal	#	43
10) Methyl Iodide	2.52	142	2593	6.96	ug/l	# 96
11) Tert butyl alcohol	3.07	59	522	0.69	ug/l	95
13) Acrolein	2.29	56	157	4.60	ug/l	# 56
15) Acrylonitrile	3.15	53	430	0.26	ug/l	# 59
16) Acetone	2.45	43	863	0.55	ug/l	# 72
36) 1,1-Dichloropropene	5.66	75	17766	4.22	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24338	5.27	ug/l	# 17
76) 1,2,3-Trichloropropane	11.14	75	93227	25.41	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	93227	72.12	ug/l	# 6

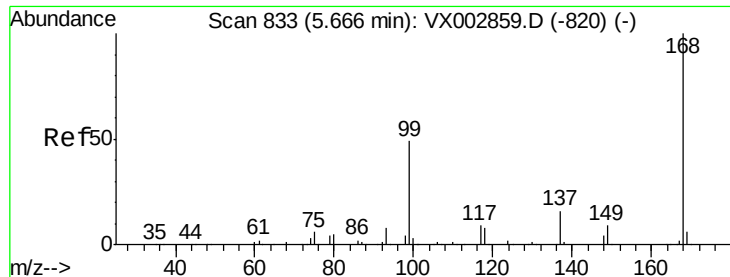
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

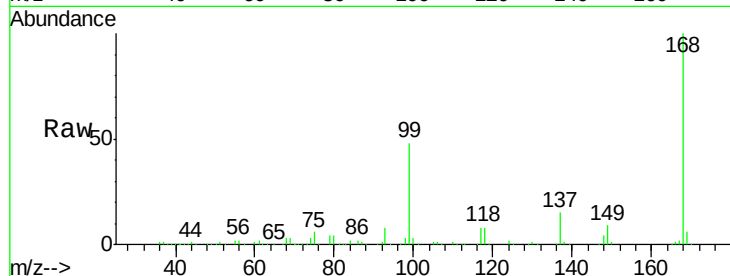
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 276321

Ion Ratio Lower Upper

168 100

99 47.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

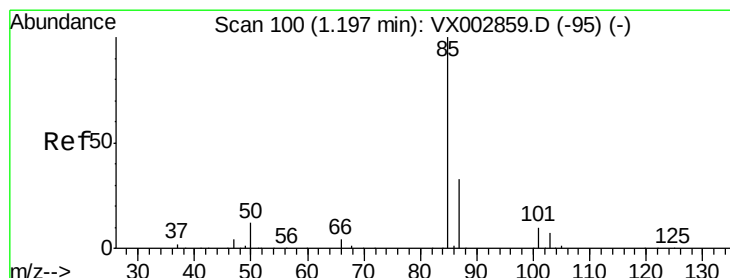
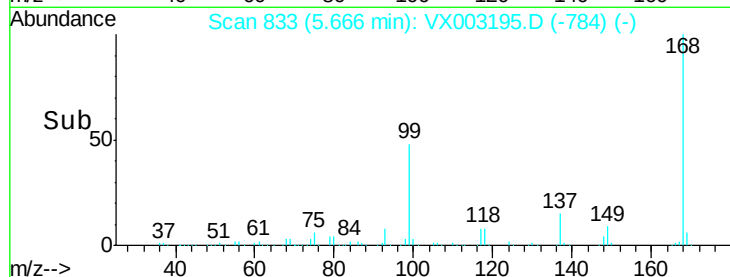
20000

0

5.60 5.70 5.80

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003195.D

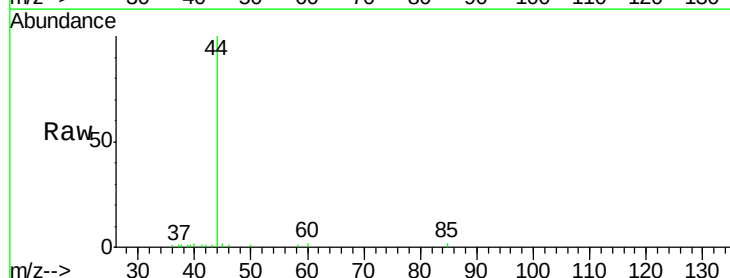
Acq: 06 Jul 2018 02:21

Tgt Ion: 85 Resp: 160

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

200

150

100

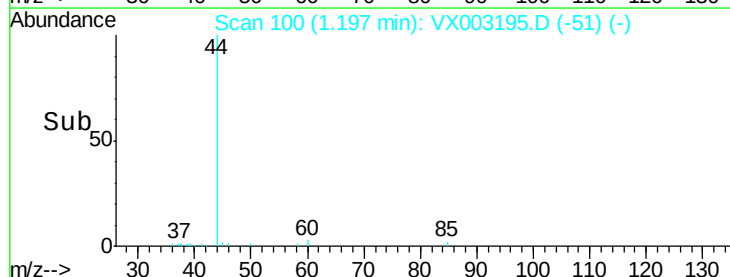
50

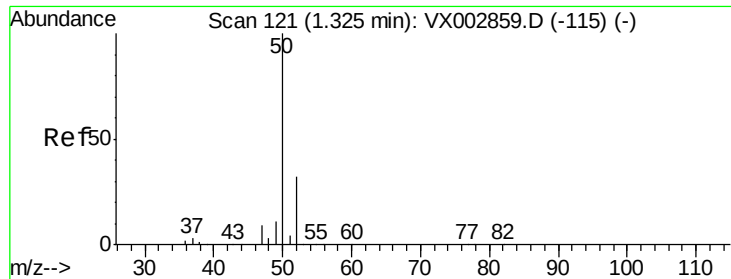
0

1.18 1.20 1.22

1.20

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

Instrument :

MSVOA_X

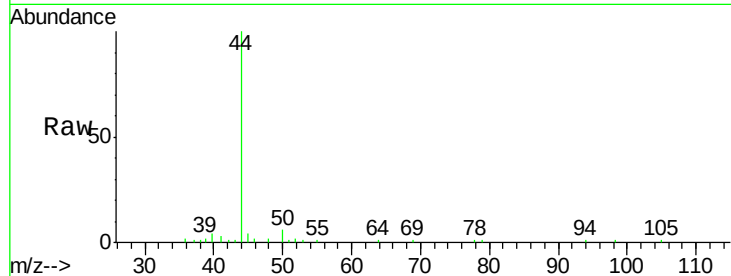
ClientSampleId :

Tot Ion: 50 Resp: 752

Ion Ratio Lower Upper

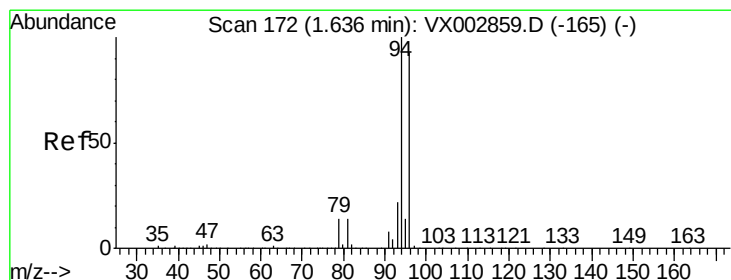
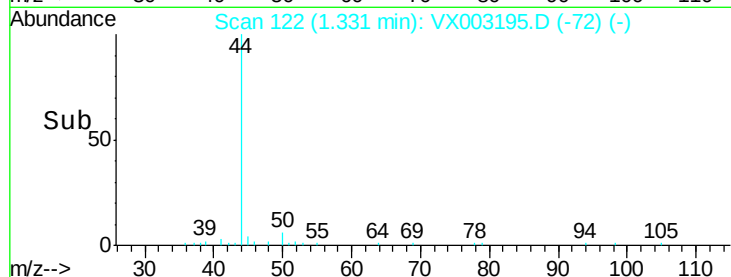
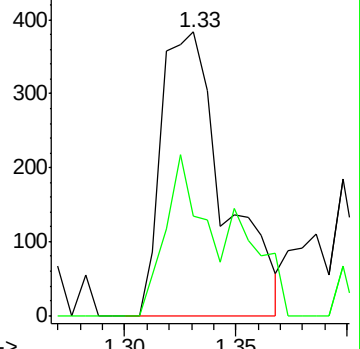
50 100

52 35.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003195.D

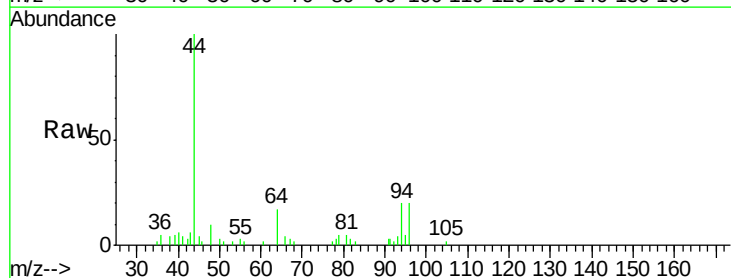
Acq: 06 Jul 2018 02:21

Tgt Ion: 94 Resp: 1567

Ion Ratio Lower Upper

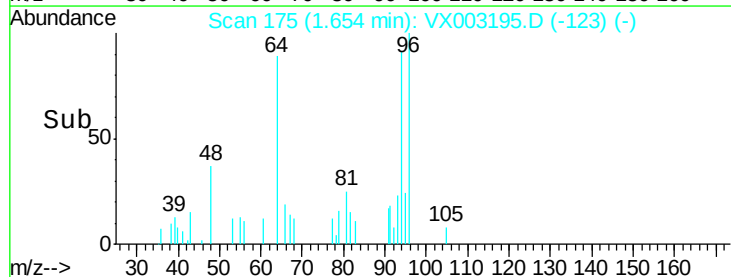
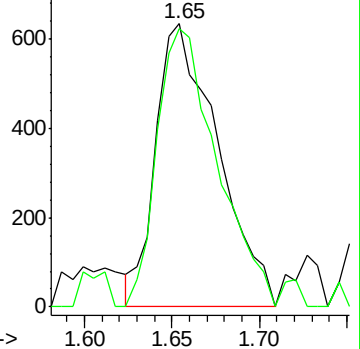
94 100

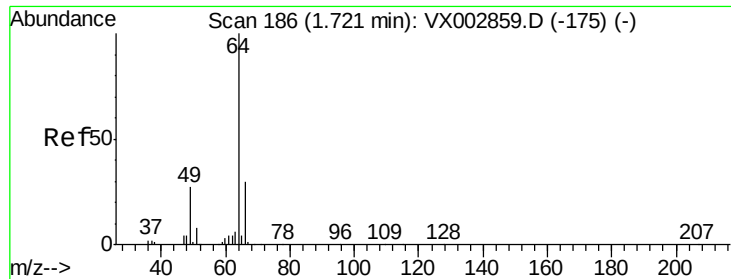
96 98.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

Instrument :

MSVOA_X

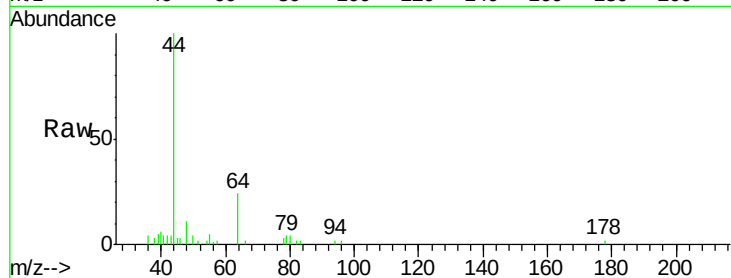
ClientSampleId :

Tot Ion: 64 Resp: 247

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

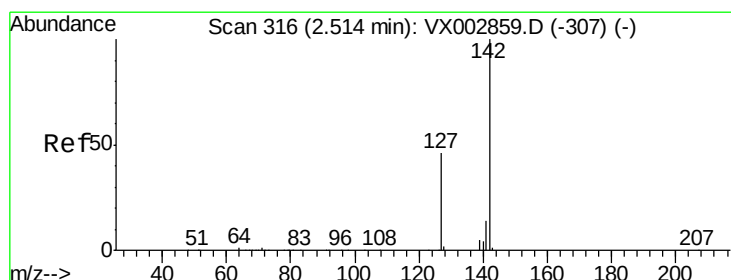
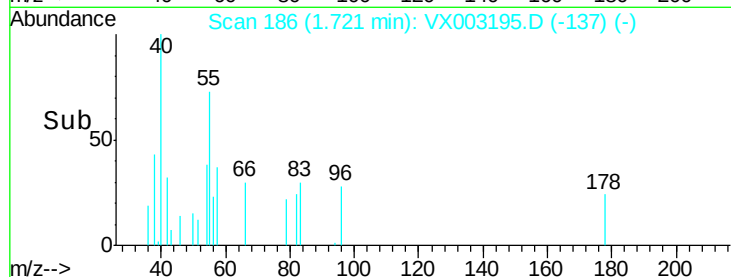
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 6.96 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

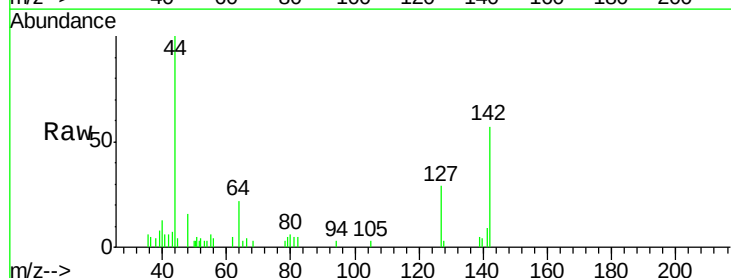
Tgt Ion: 142 Resp: 2593

Ion Ratio Lower Upper

142 100

127 47.7 36.6 55.0

141 17.7 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

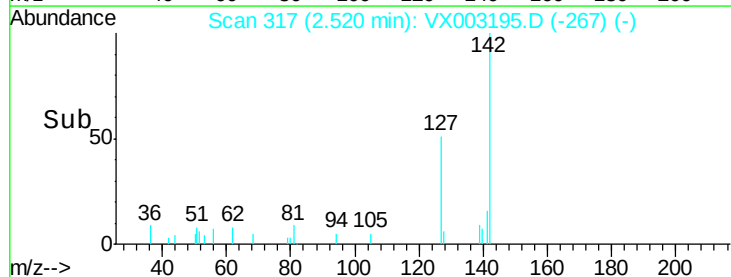
1500

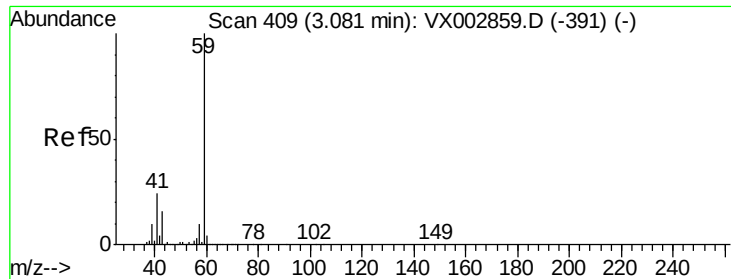
1000

500

0

Time-->

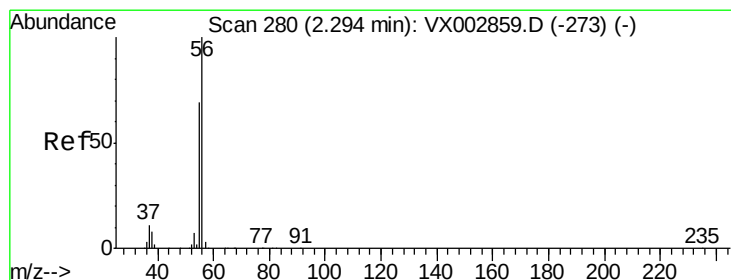
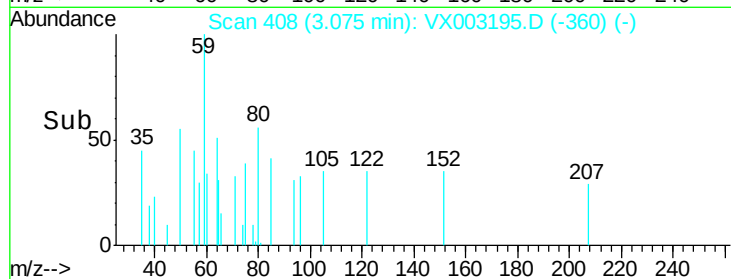
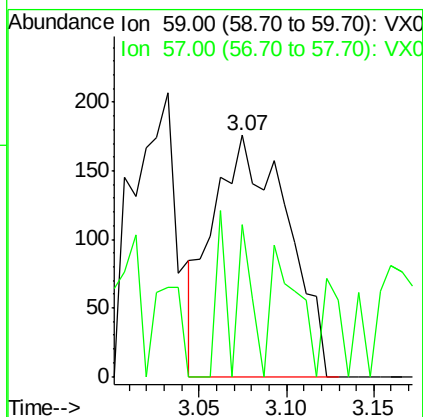
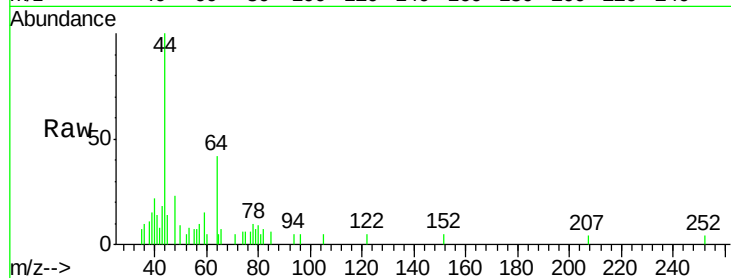




#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003195.D
Acq: 06 Jul 2018 02:21

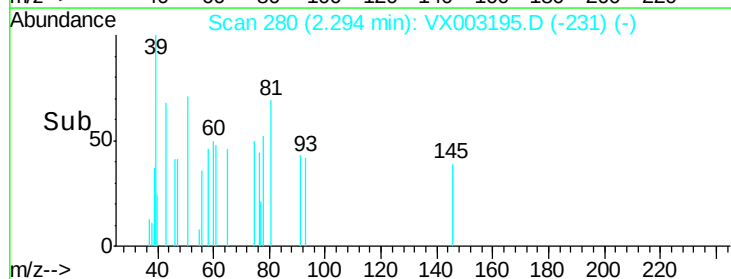
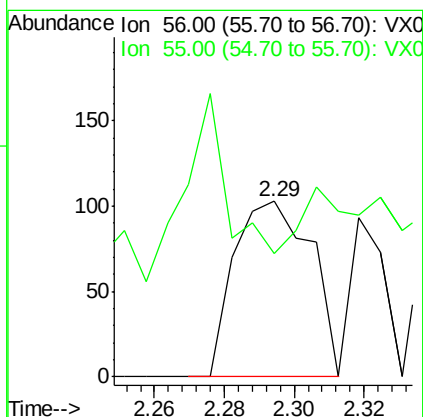
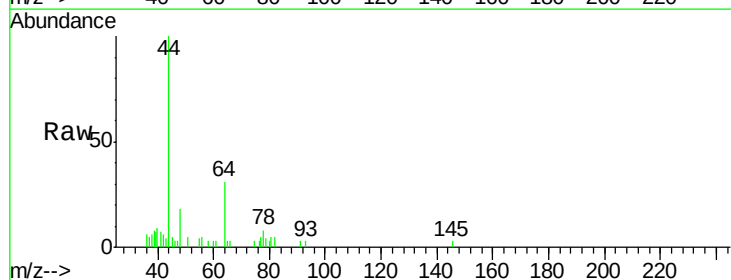
Instrument :
MSVOA_X
ClientSampled :

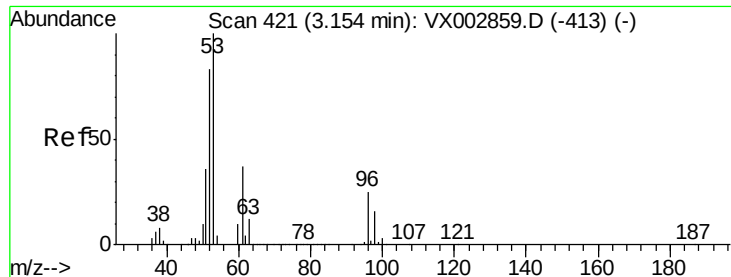
Tot Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 8.4 8.2 12.2



#13
Acrolein
Concen: 4.60 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003195.D
Acq: 06 Jul 2018 02:21

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 35.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 421

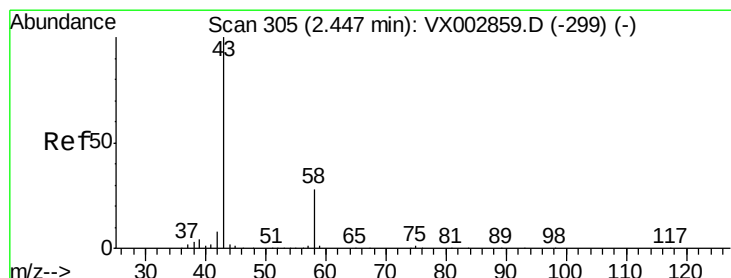
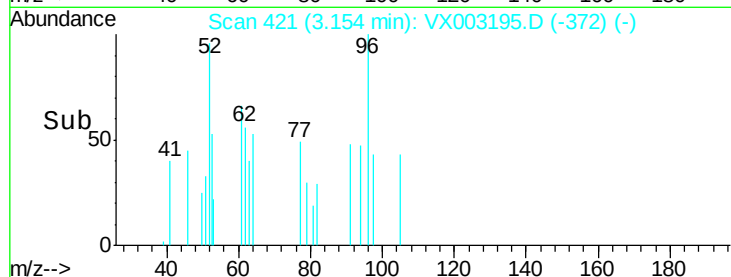
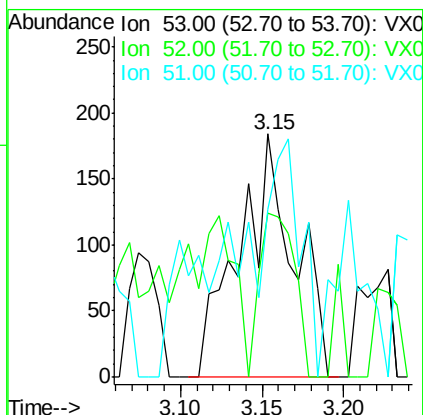
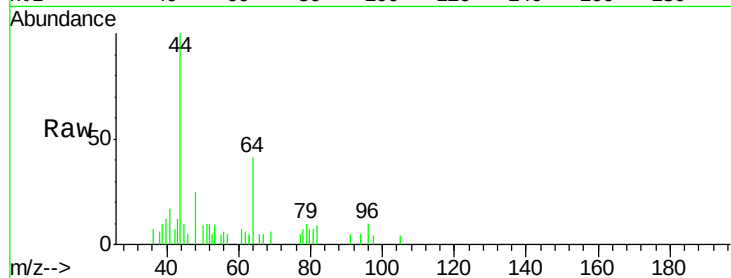
Delta R.T. 0.00 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 430
Ion Ratio Lower Upper
53 100
52 43.0 66.7 100.1#
51 57.2 29.9 44.9#



#16

Acetone

Concen: 0.55 ug/l

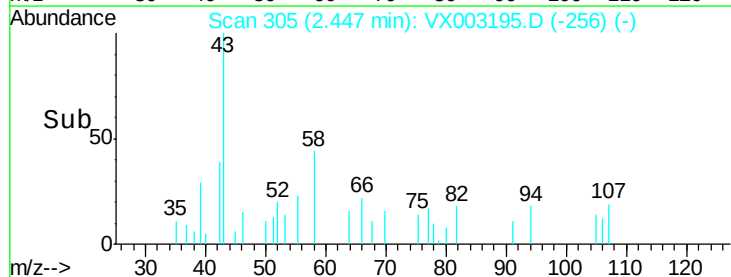
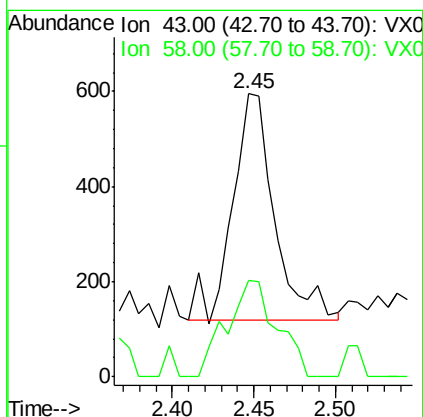
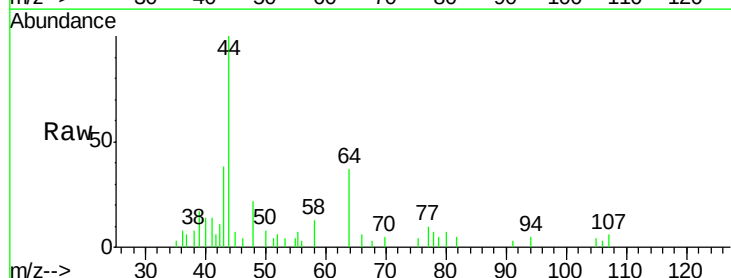
RT: 2.45 min Scan# 305

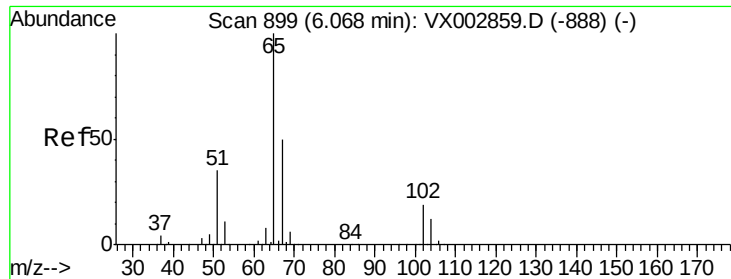
Delta R.T. 0.00 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 42.3 22.1 33.1#

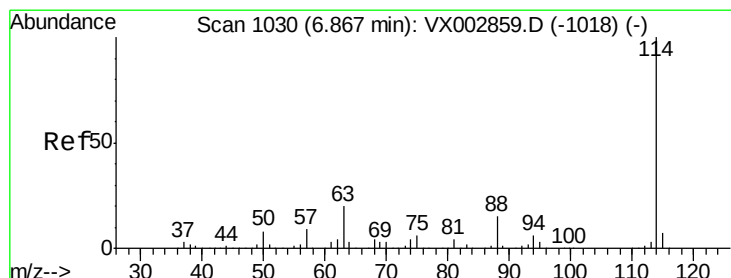
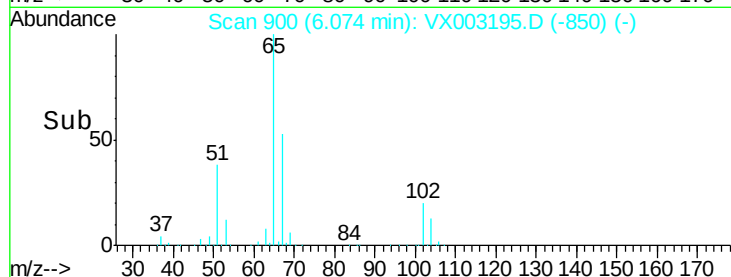
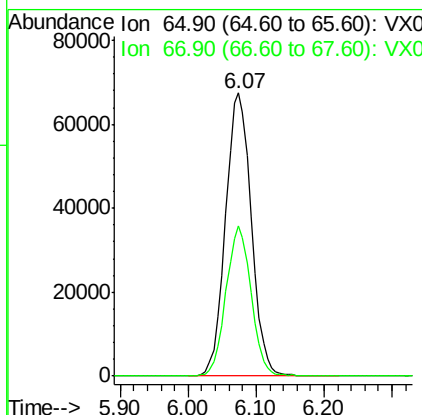
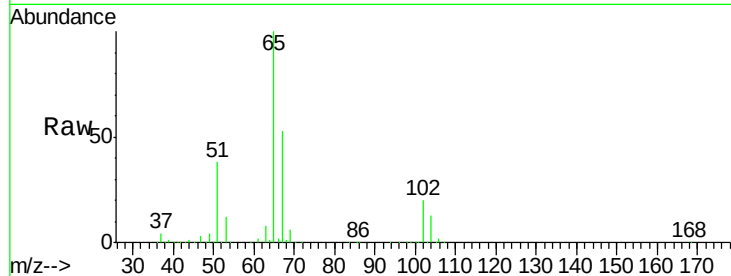




#33
 1,2-Dichloroethane-d4
 Concen: 46.42 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003195.D
 Acq: 06 Jul 2018 02:21

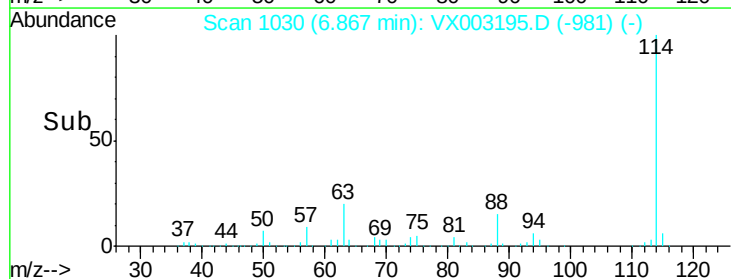
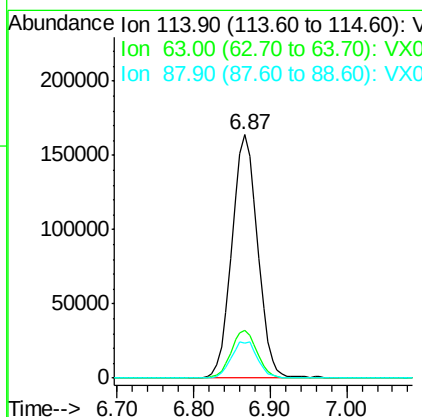
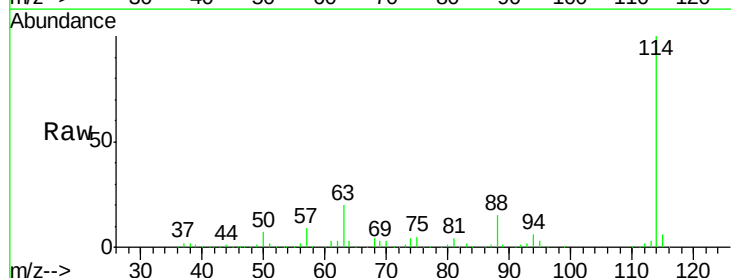
Instrument :
 MSVOA_X
 ClientSampleId :

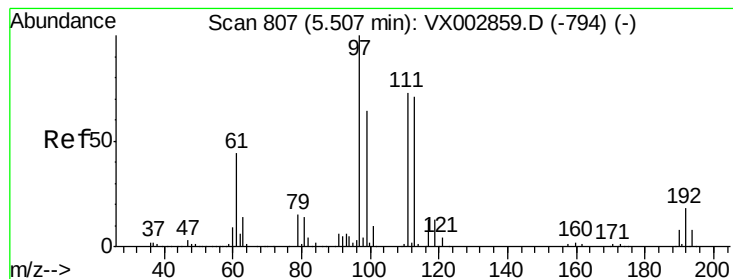
Tot Ion: 65 Resp: 177299
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003195.D
 Acq: 06 Jul 2018 02:21

Tgt Ion: 114 Resp: 384091
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.43 ug/l

RT: 5.51 min Scan# 807

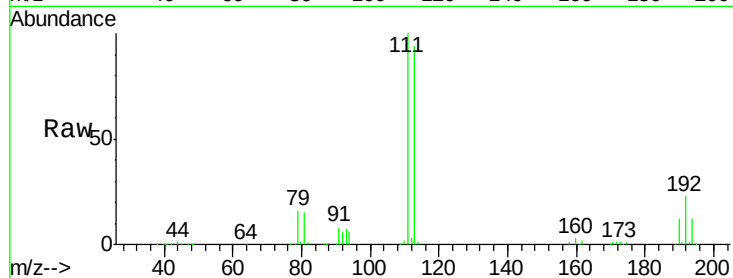
Delta R.T. 0.00 min

Lab File: VX003195.D

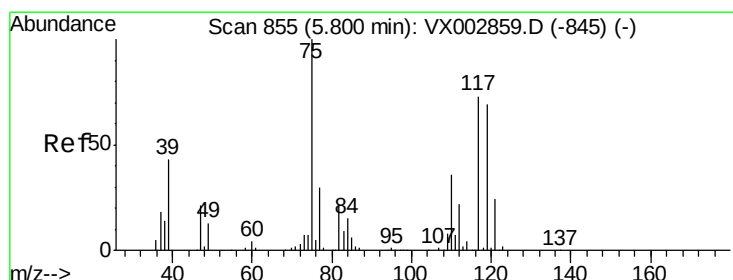
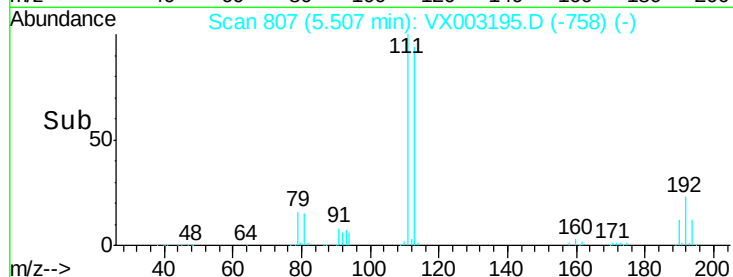
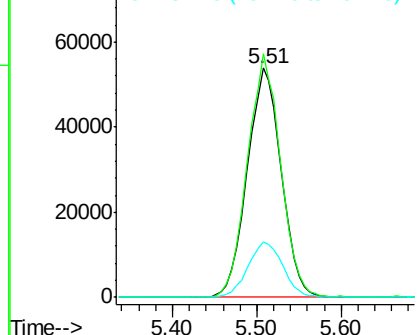
Acq: 06 Jul 2018 02:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	147320
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	24.7	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: 4.22 ug/l

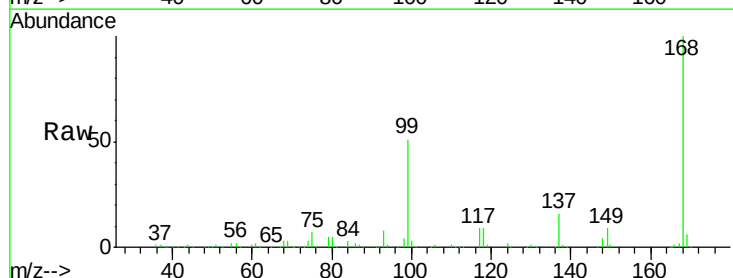
RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

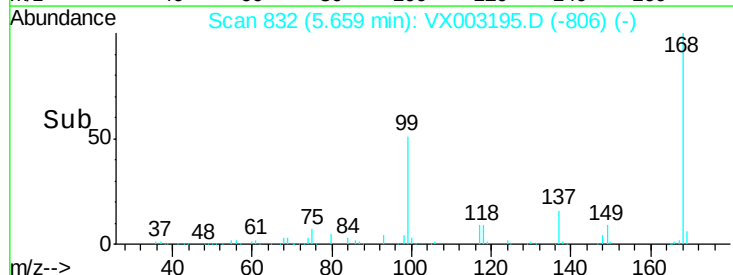
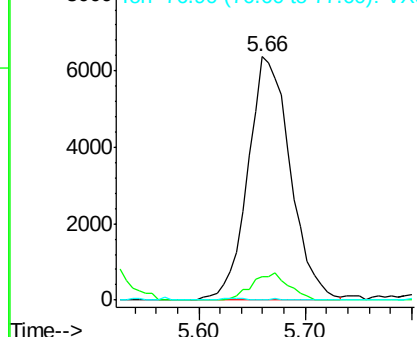
Lab File: VX003195.D

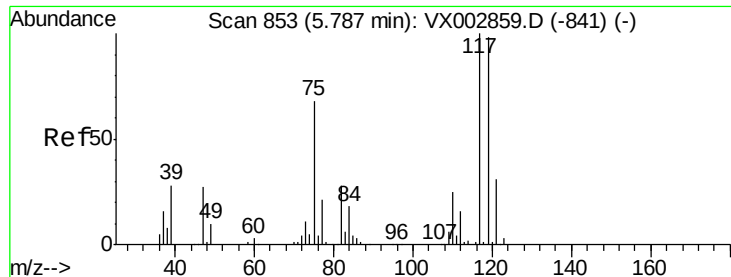
Acq: 06 Jul 2018 02:21

Tgt Ion:	75	Resp:	17766
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.4#
77	0.1	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: VX003195.D

Acq: 06 Jul 2018 02:21

Instrument :

MSVOA_X

ClientSampleId :

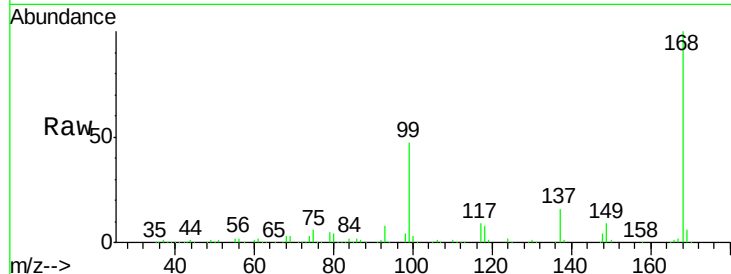
Tot Ion:117 Resp: 24338

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

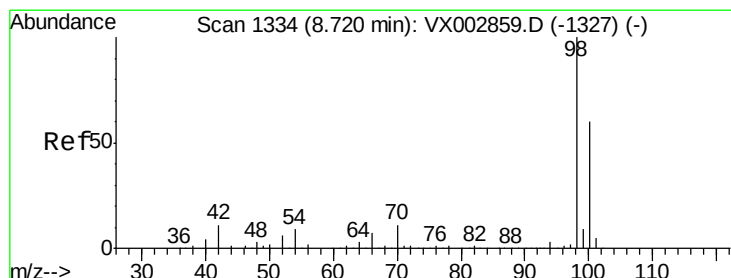
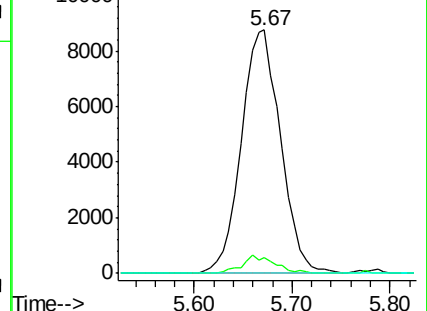
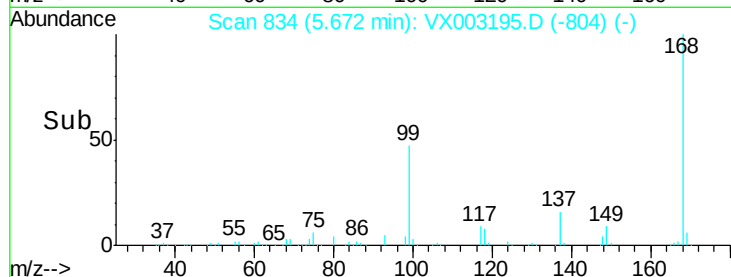
121 0.0 24.4 36.6#



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: 47.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003195.D

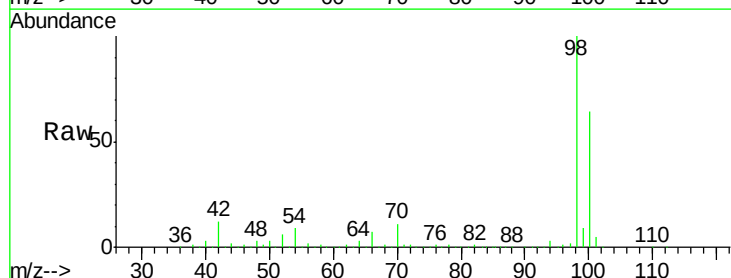
Acq: 06 Jul 2018 02:21

Tgt Ion: 98 Resp: 529297

Ion Ratio Lower Upper

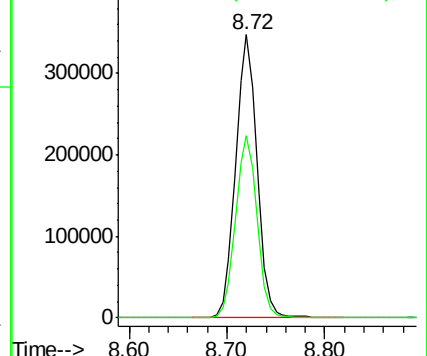
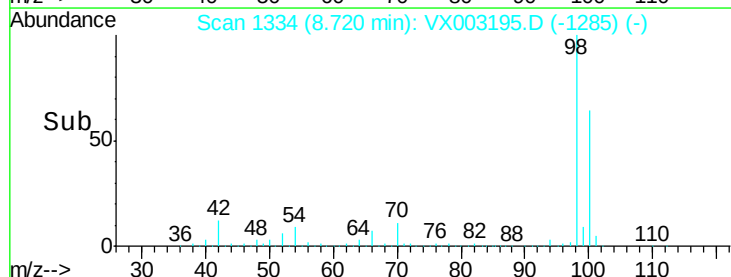
98 100

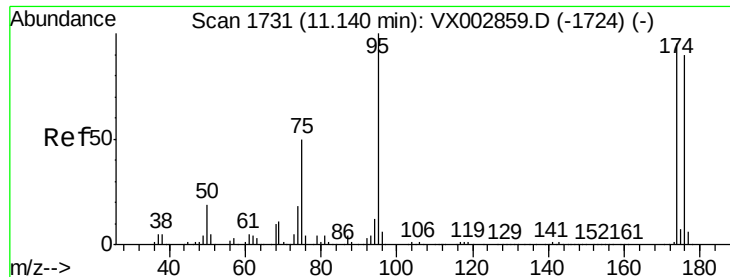
100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

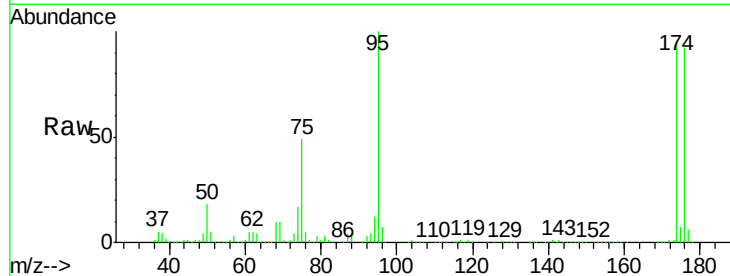




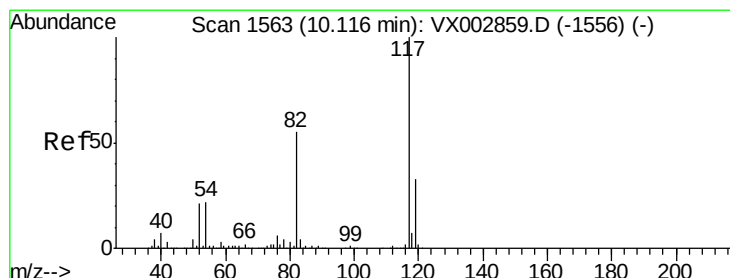
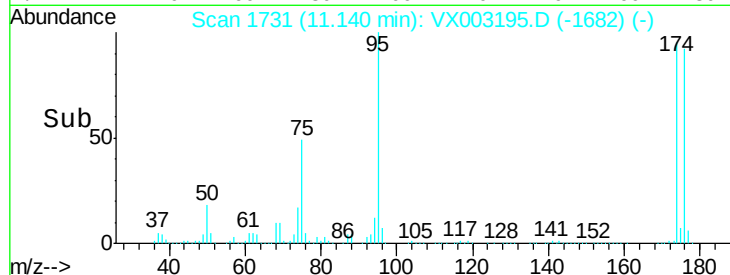
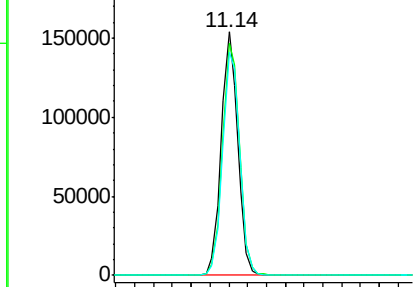
#62
4-Bromofluorobenzene
Concen: 43.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003195.D
Acq: 06 Jul 2018 02:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 187933
Ion Ratio Lower Upper
95 100
174 98.4 0.0 187.4
176 94.9 0.0 181.0

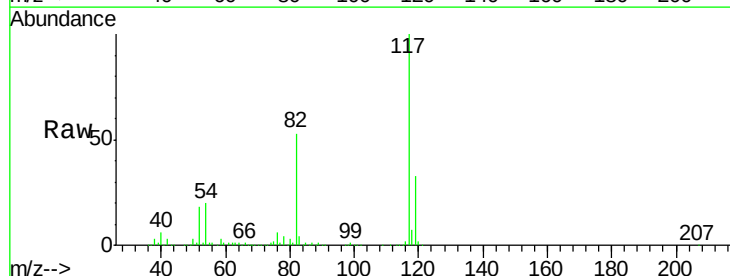


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

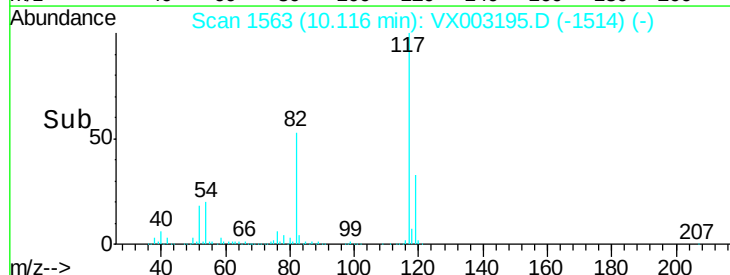
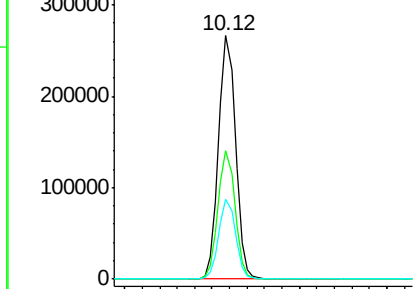


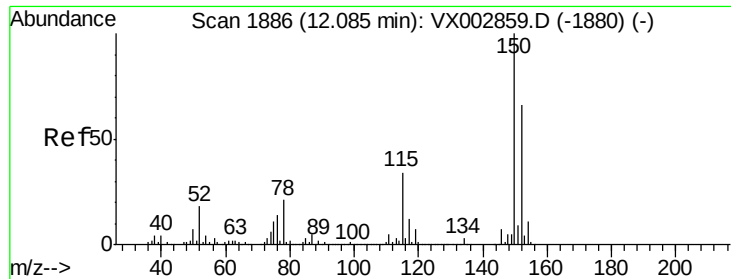
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003195.D
Acq: 06 Jul 2018 02:21

Tgt Ion: 117 Resp: 359322
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.9 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# 1885

Delta R.T. -0.01 min

Lab File: VX003195.D

Acq: 06 Jul 2018 02:21

Instrument :

MSVOA_X

ClientSampleId :

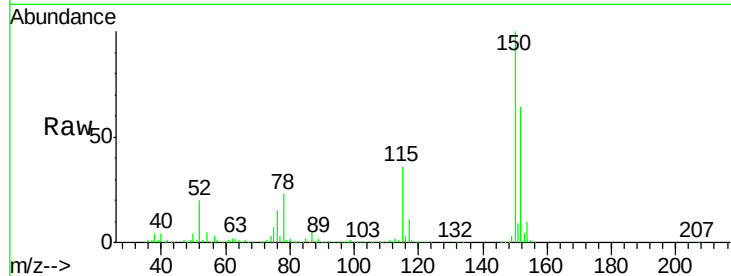
Tot Ion:152 Resp: 202575

Ion Ratio Lower Upper

152 100

115 53.6 40.1 120.2

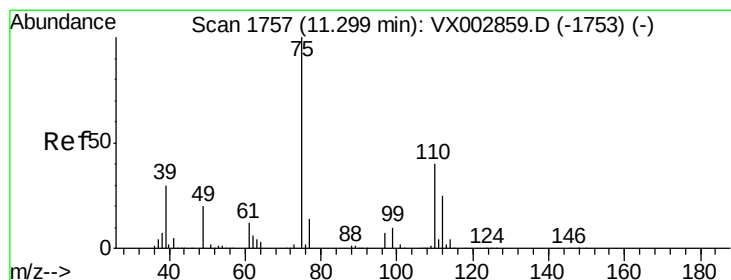
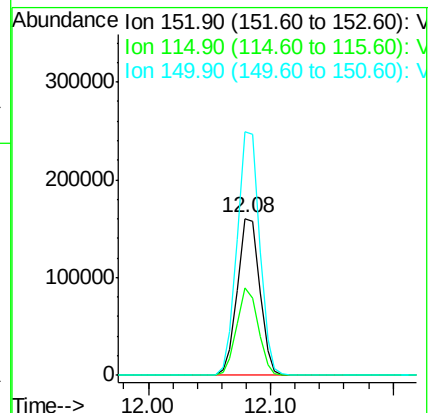
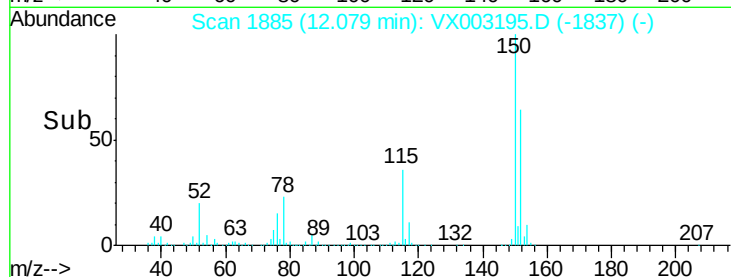
150 156.1 0.0 347.2



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: 25.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003195.D

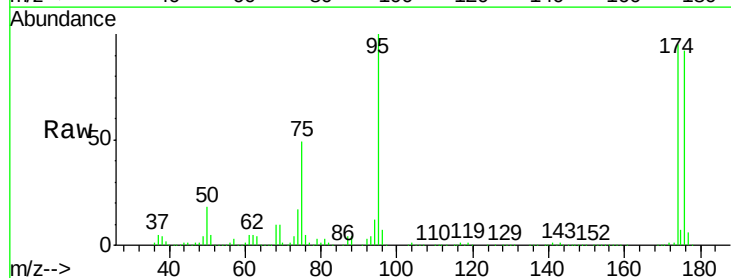
Acq: 06 Jul 2018 02:21

Tgt Ion: 75 Resp: 93227

Ion Ratio Lower Upper

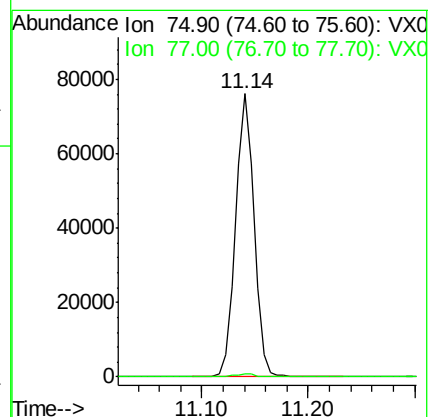
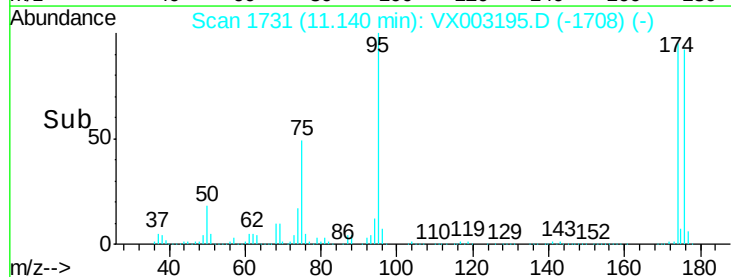
75 100

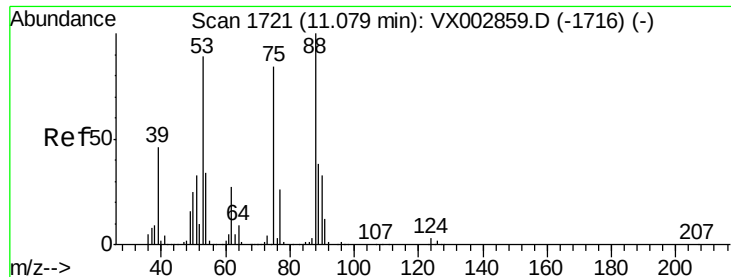
77 1.1 22.8 68.3#



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: 72.12 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003195.D
 Acq: 06 Jul 2018 02:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 93227
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

