

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003577.D
 Acq On : 22 Jul 2018 02:23
 Operator : JC/SP
 Sample : J4028-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-W-180716

Quant Time: Jul 23 03:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	278230	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	398914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209460	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	175432	53.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.54%	
35) Dibromofluoromethane	5.51	113	162419	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
50) Toluene-d8	8.72	98	575584	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	194597	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	

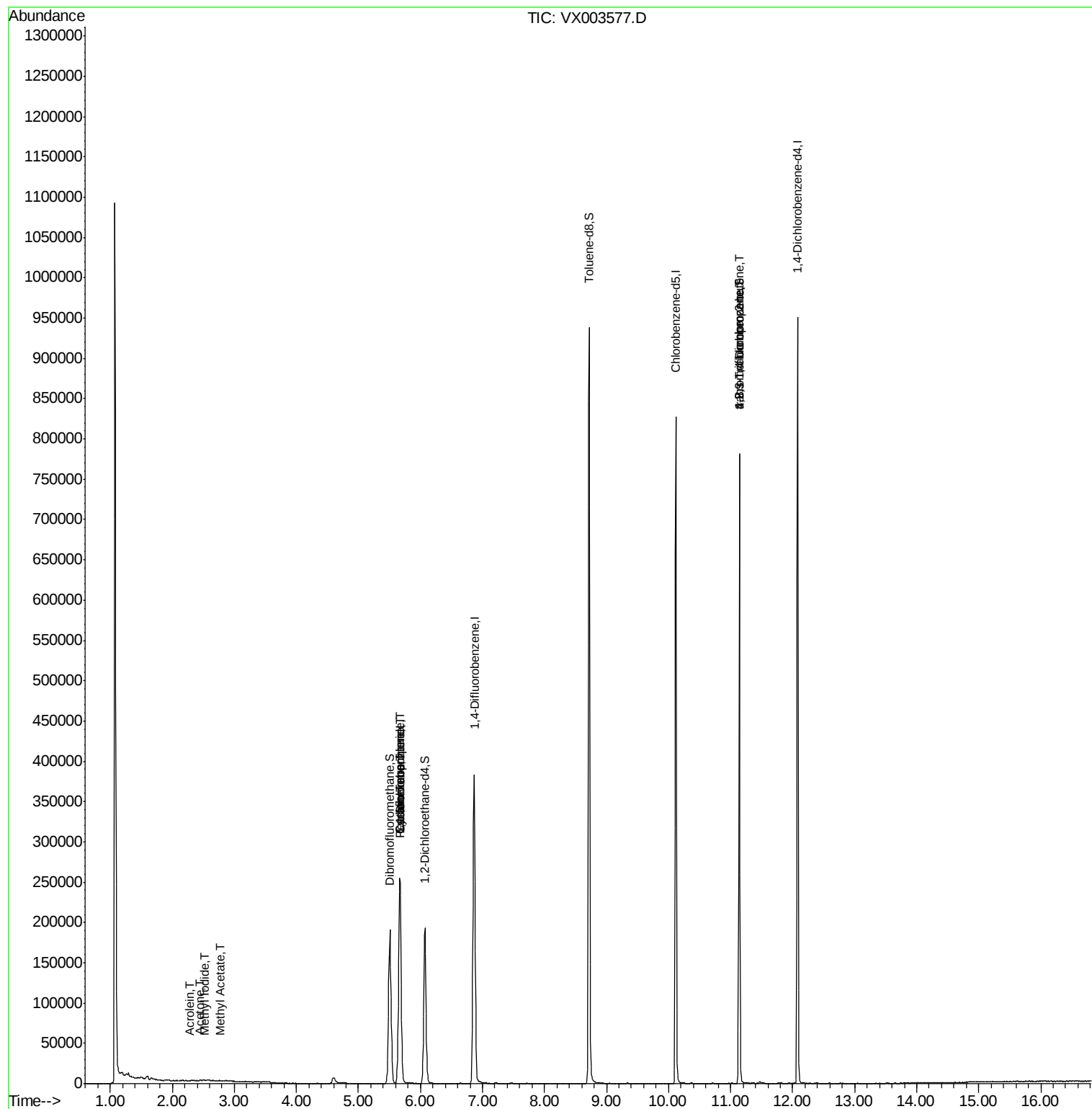
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	97	Below Cal	#	43
3) Chloromethane	1.32	50	399	Below Cal	#	61
5) Bromomethane	1.67	94	1260	Below Cal		93
10) Methyl Iodide	2.52	142	840	0.23	ug/l #	90
13) Acrolein	2.29	56	139	0.47	ug/l #	9
16) Acetone	2.45	43	1564	1.26	ug/l	94
18) Methyl Acetate	2.78	43	947	0.24	ug/l #	67
20) Methylene Chloride	2.86	84	168	Below Cal	#	41
31) Cyclohexane	5.67	56	4187	0.84	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16974	3.94	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23477	5.56	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	92961	24.70	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92961	69.21	ug/l #	7

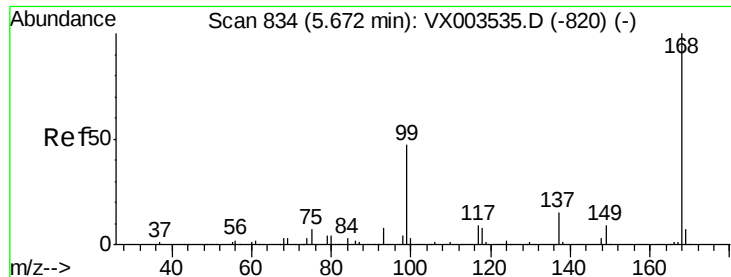
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

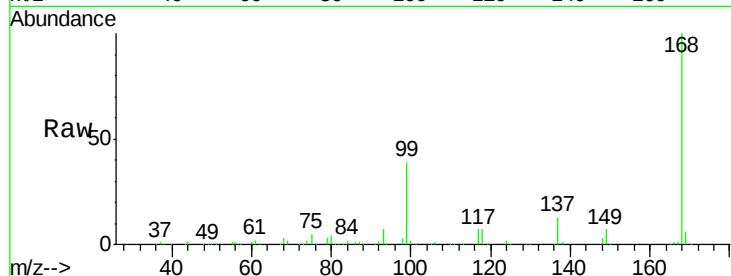
KY030LC068-W-180716

Tot Ion:168 Resp: 278230

Ion Ratio Lower Upper

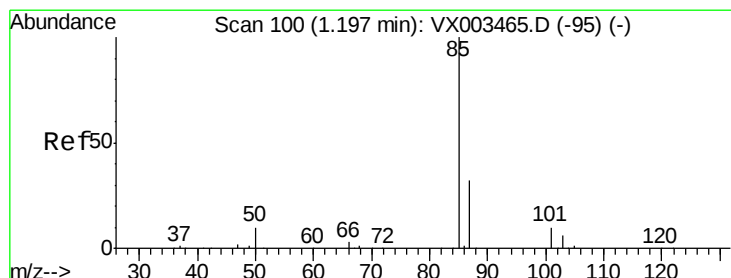
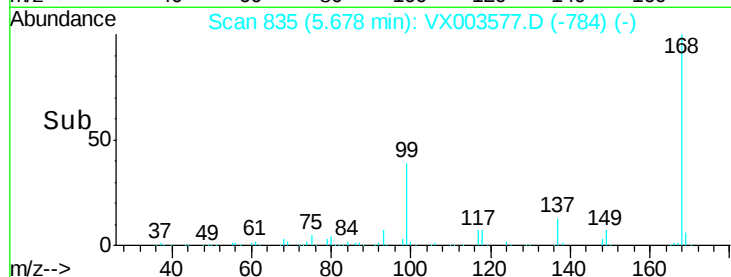
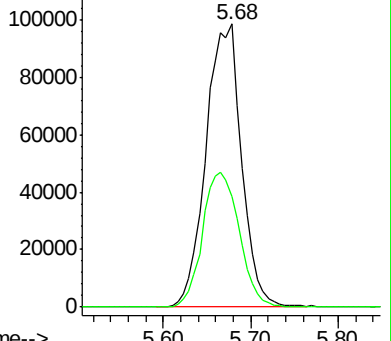
168 100

99 38.9 39.3 58.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003577.D

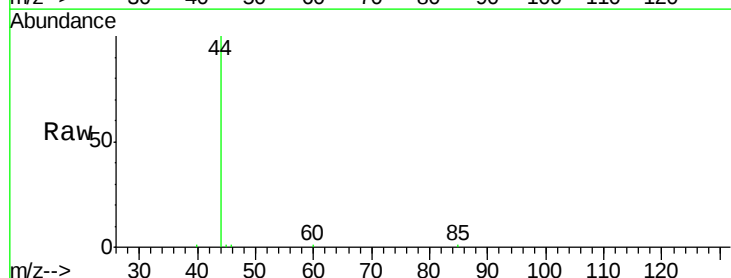
Acq: 22 Jul 2018 02:23

Tgt Ion: 85 Resp: 97

Ion Ratio Lower Upper

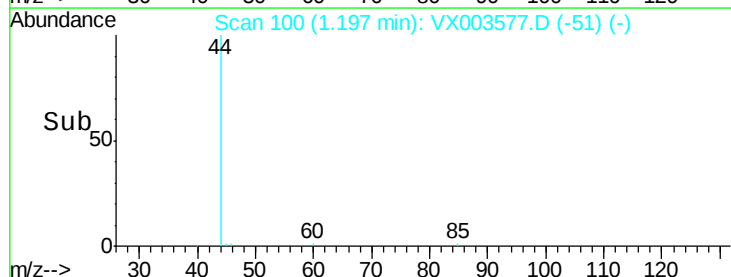
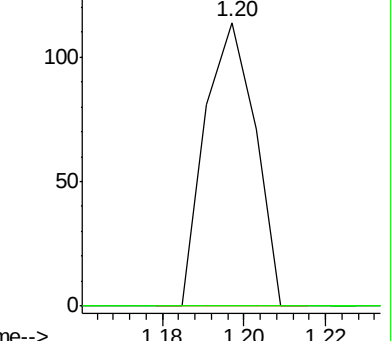
85 100

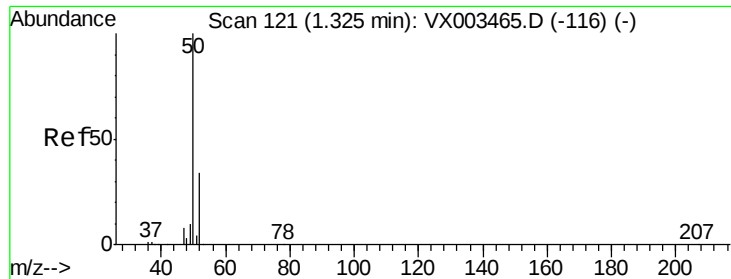
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

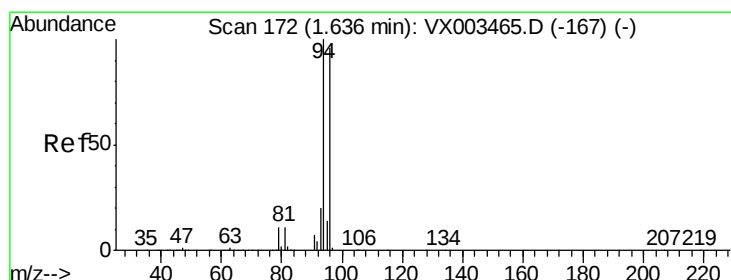
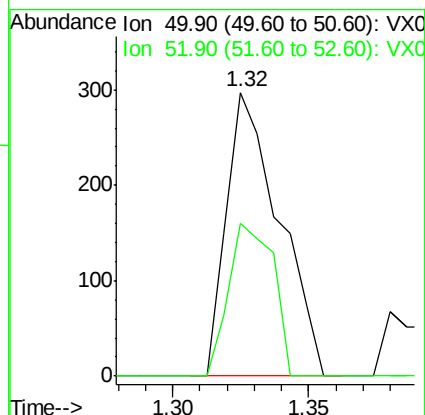
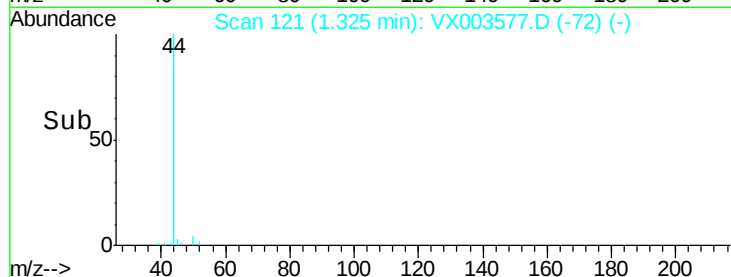
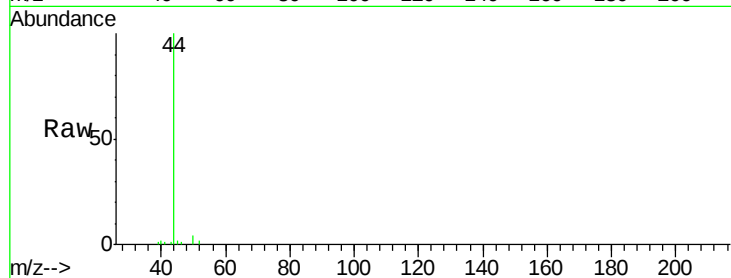
KY030LC068-W-180716

Tot Ion: 50 Resp: 399

Ion Ratio Lower Upper

50 100

52 53.9 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003577.D

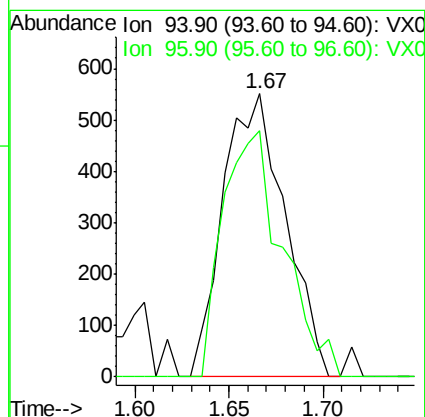
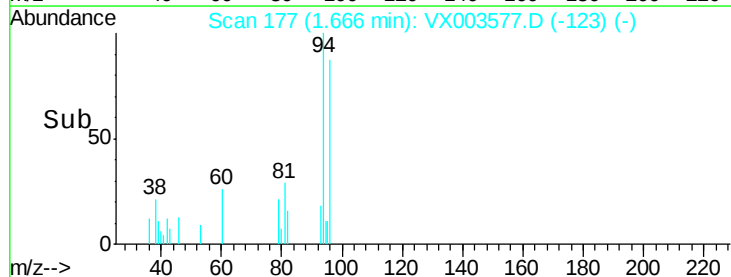
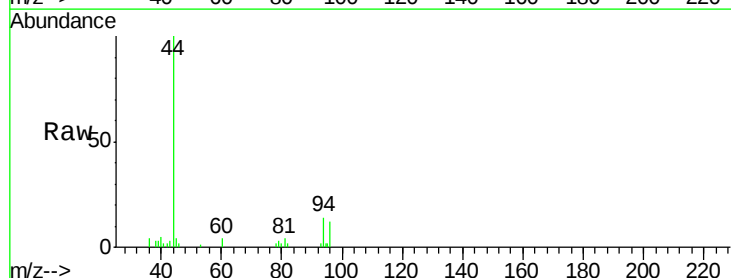
Acq: 22 Jul 2018 02:23

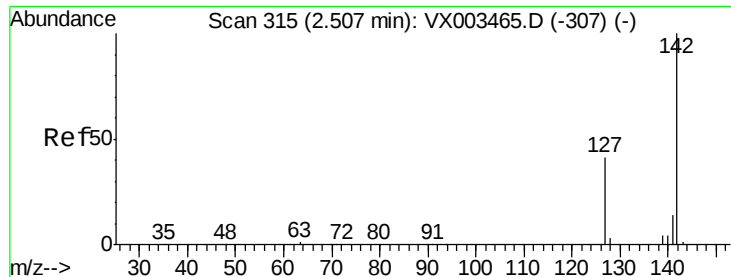
Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 86.9 74.9 112.3

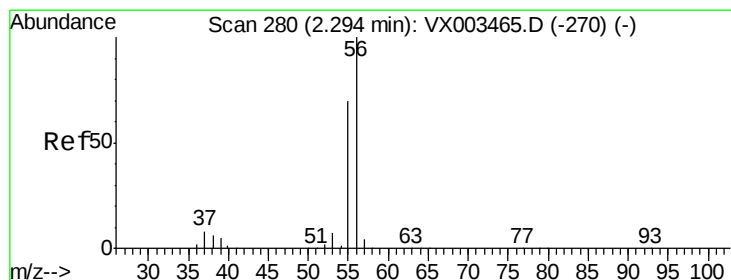
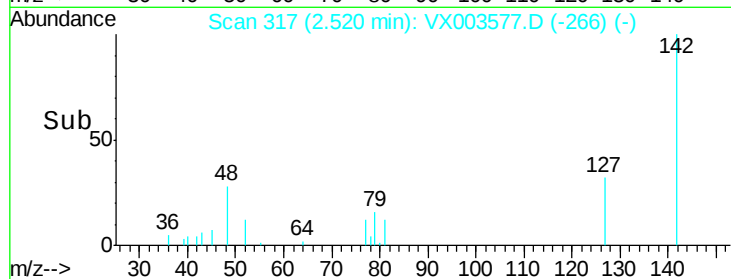
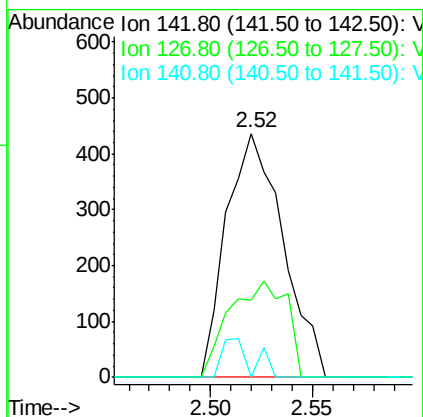
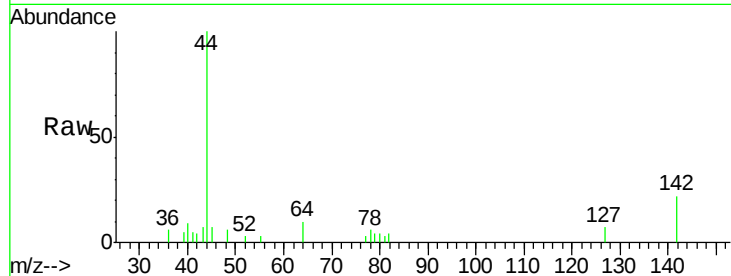




#10
Methvl Iodide
Concen: 0.23 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003577.D
Acq: 22 Jul 2018 02:23

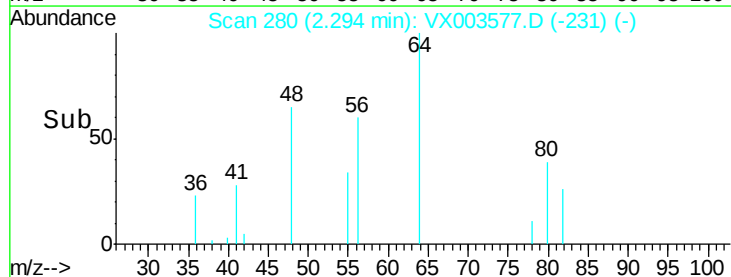
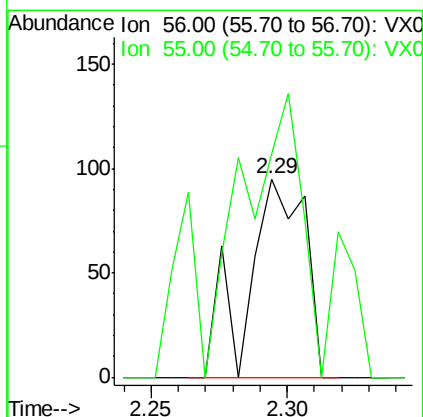
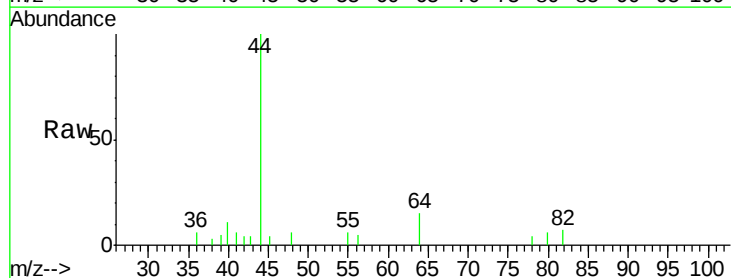
Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716

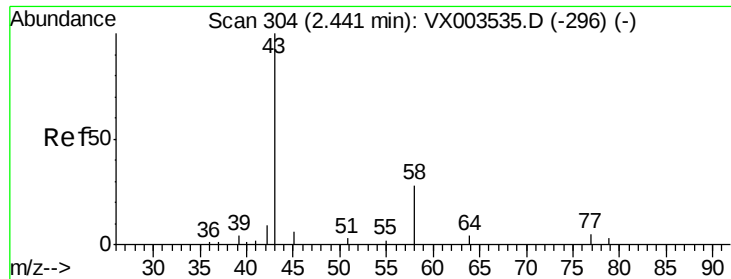
Tot Ion:142 Resp: 840
Ion Ratio Lower Upper
142 100
127 39.8 36.6 55.0
141 8.3 11.3 16.9#



#13
Acrolein
Concen: 0.47 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003577.D
Acq: 22 Jul 2018 02:23

Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 146.8 57.0 85.4#





#16

Acetone

Concen: 1.26 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

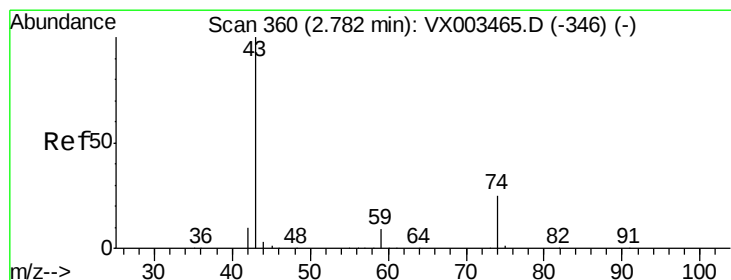
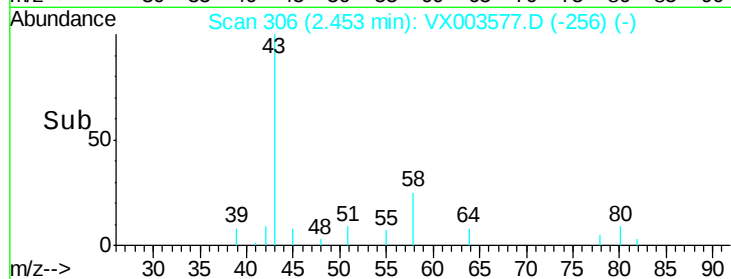
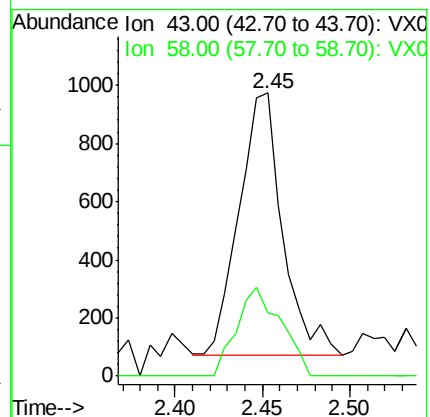
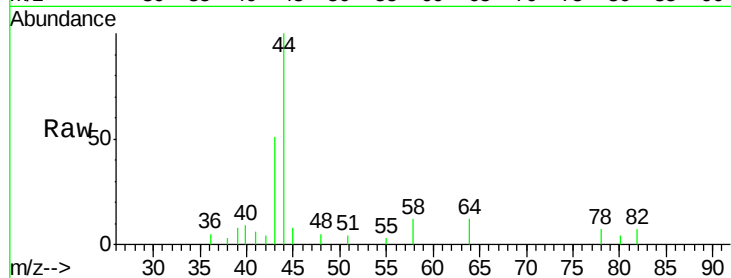
KY030LC068-W-180716

Tot Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

58 24.3 22.1 33.1



#18

Methyl Acetate

Concen: 0.24 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003577.D

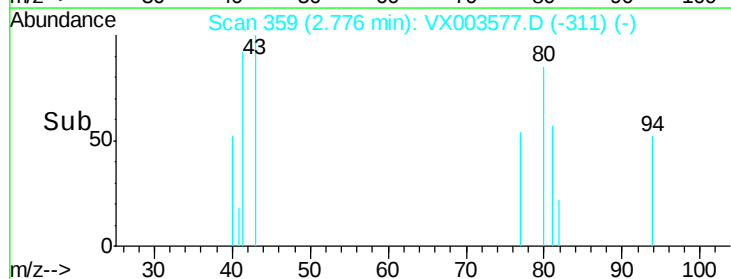
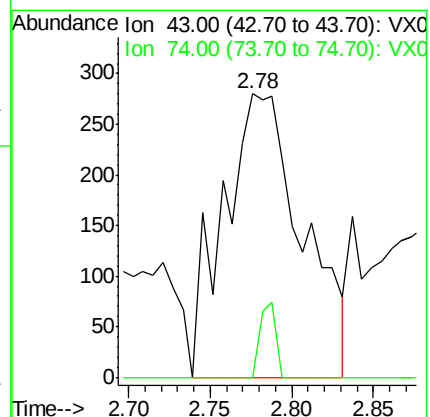
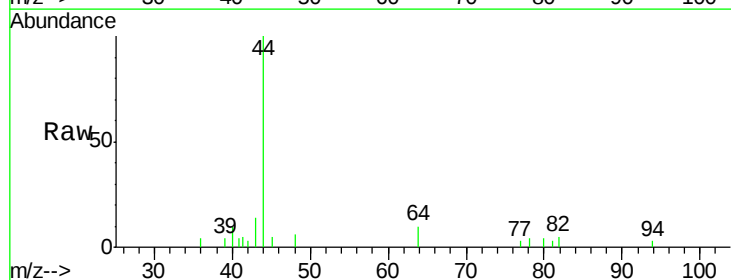
Acq: 22 Jul 2018 02:23

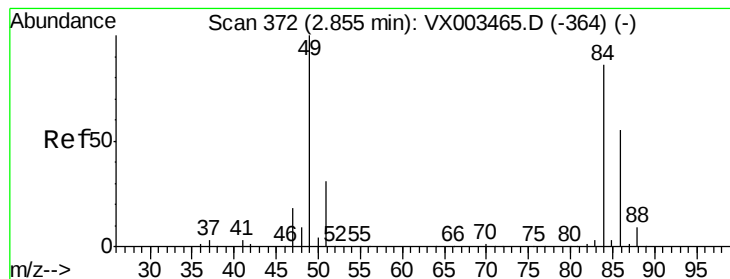
Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

74 5.4 16.7 25.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716

Tot Ion: 84 Resp: 168

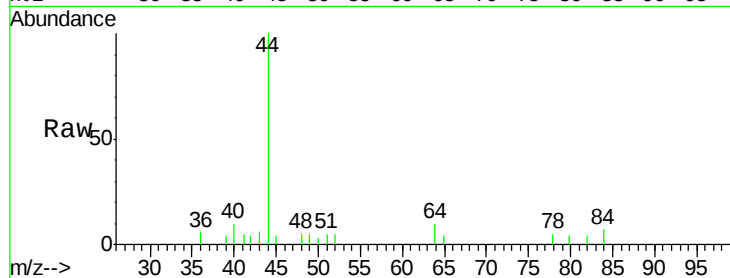
Ion Ratio Lower Upper

84 100

49 73.0 107.8 161.6#

51 70.4 32.8 49.2#

86 0.0 52.5 78.7#

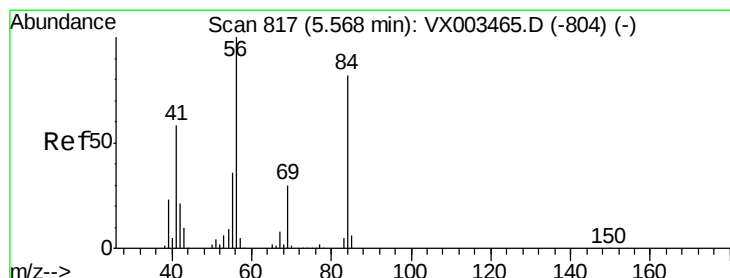
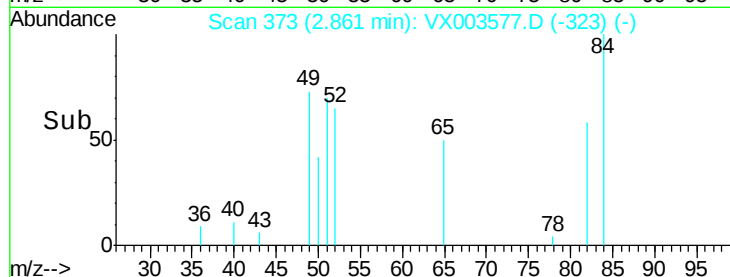
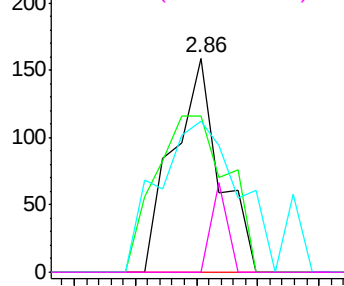


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 0.84 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

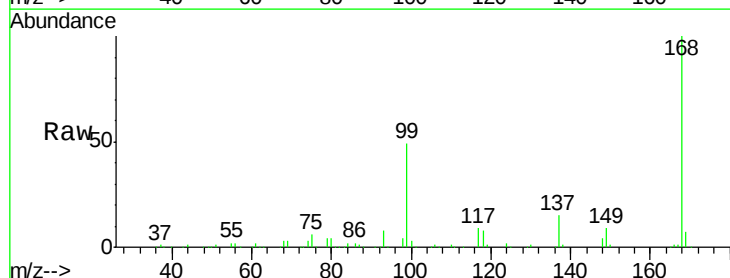
Tgt Ion: 56 Resp: 4187

Ion Ratio Lower Upper

56 100

69 187.0 23.7 35.5#

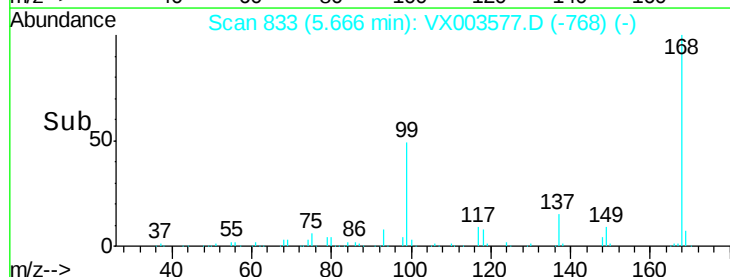
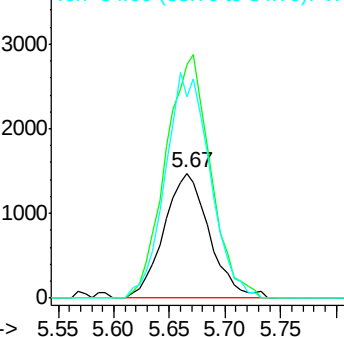
84 161.4 64.1 96.1#

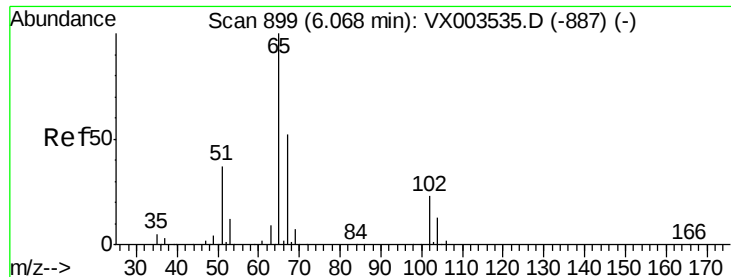


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.27 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

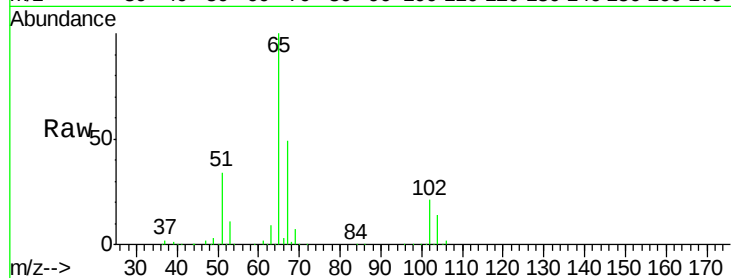
KY030LC068-W-180716

Tot Ion: 65 Resp: 175432

Ion Ratio Lower Upper

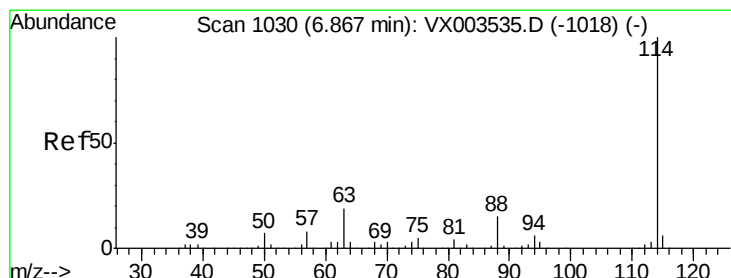
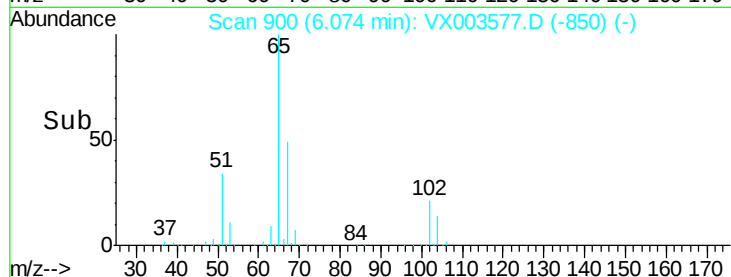
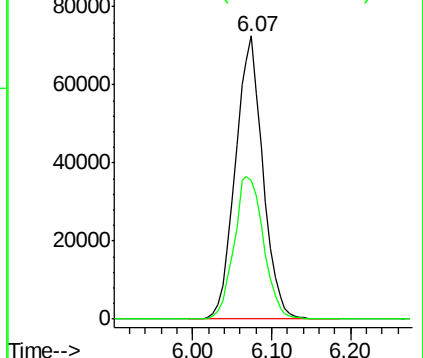
65 100

67 54.3 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: VX003577.D

Acq: 22 Jul 2018 02:23

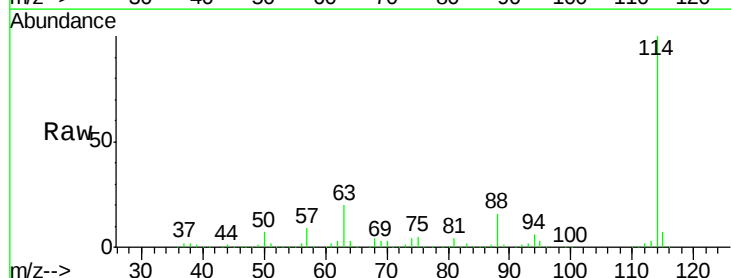
Tgt Ion: 114 Resp: 398914

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

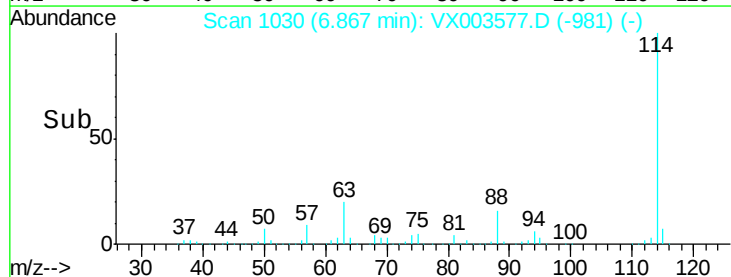
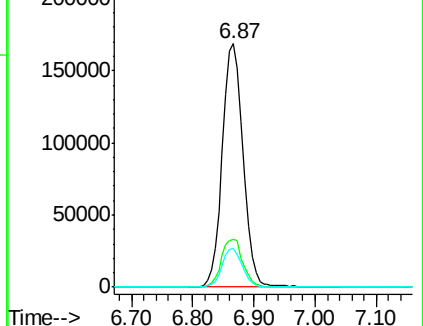
88 15.7 0.0 30.0

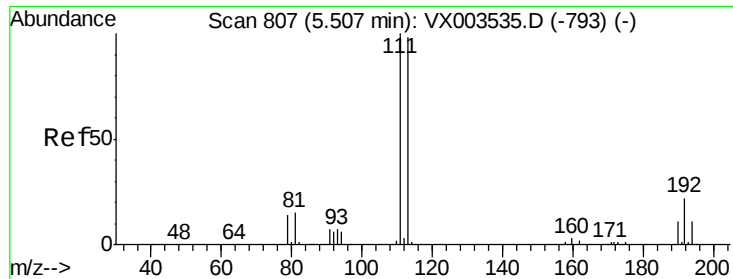


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.46 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

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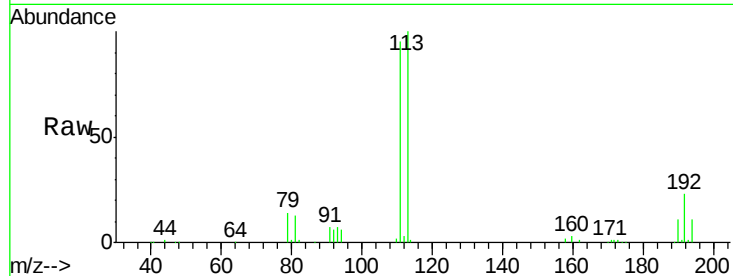
Tot Ion:113 Resp: 162419

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

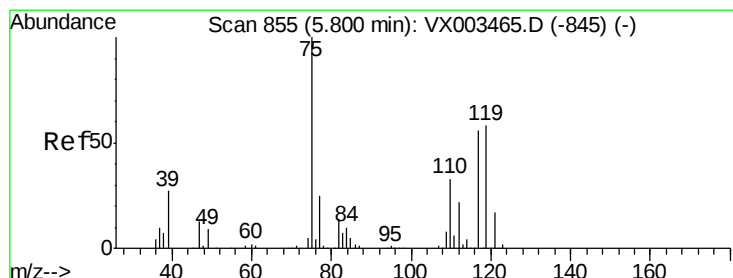
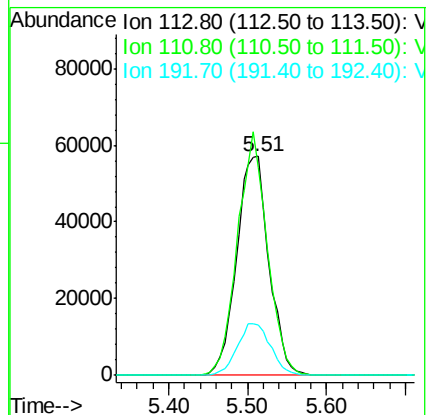
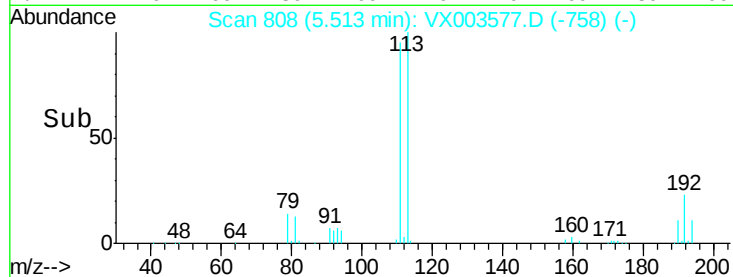
192 24.4 19.1 28.7



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: 3.94 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

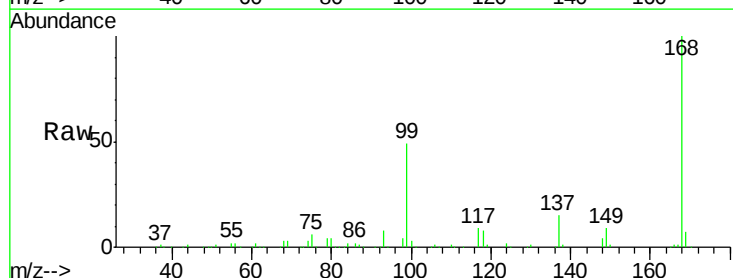
Tgt Ion: 75 Resp: 16974

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

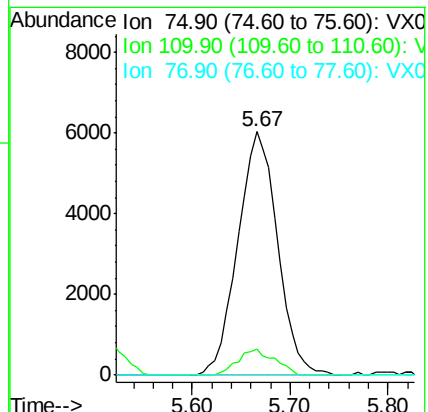
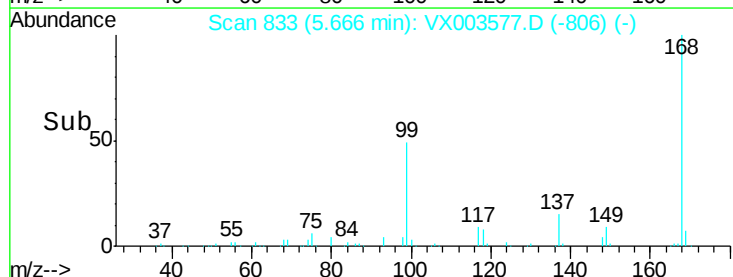
77 0.0 24.3 36.5#

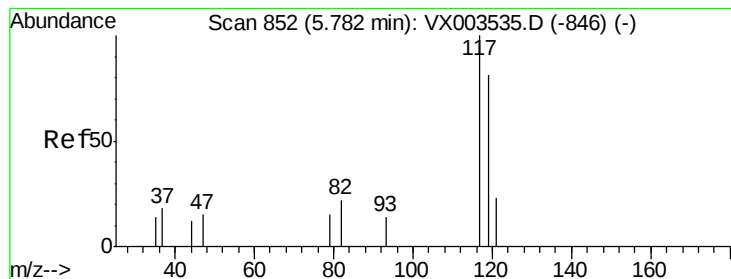


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.56 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716

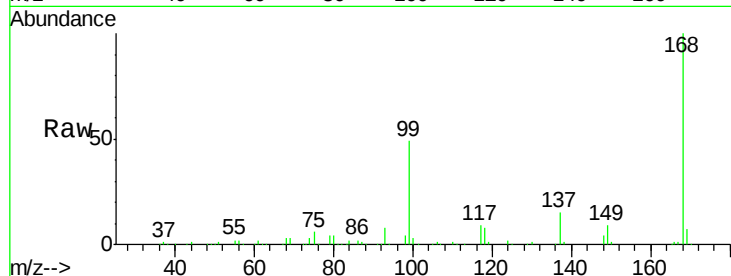
Tot Ion:117 Resp: 23477

Ion Ratio Lower Upper

117 100

119 7.6 77.4 116.0#

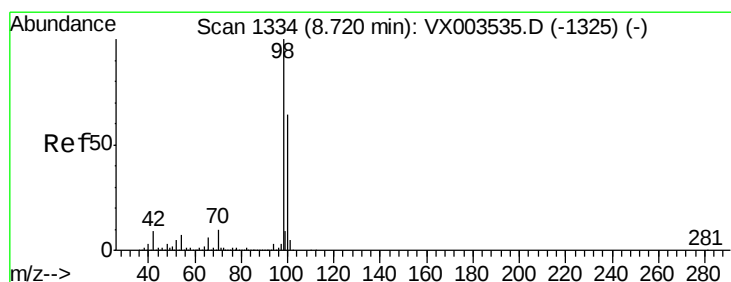
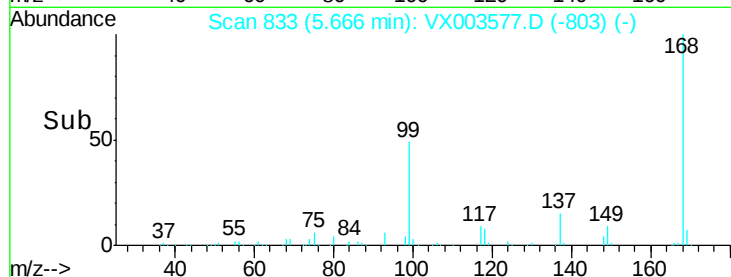
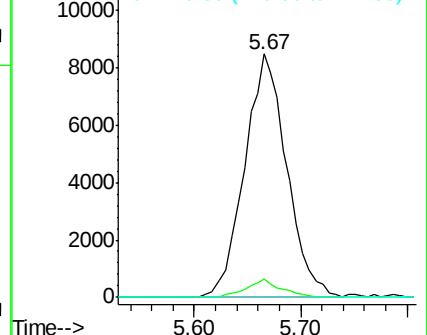
121 0.0 24.4 36.6#



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: 50.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003577.D

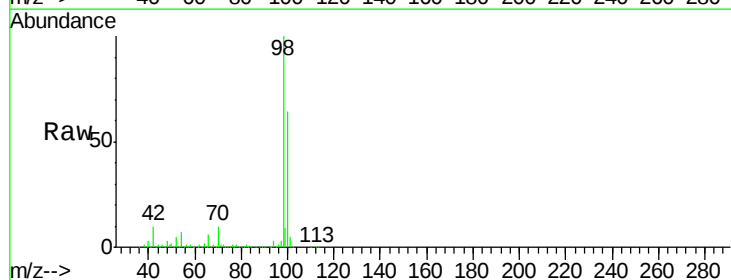
Acq: 22 Jul 2018 02:23

Tgt Ion: 98 Resp: 575584

Ion Ratio Lower Upper

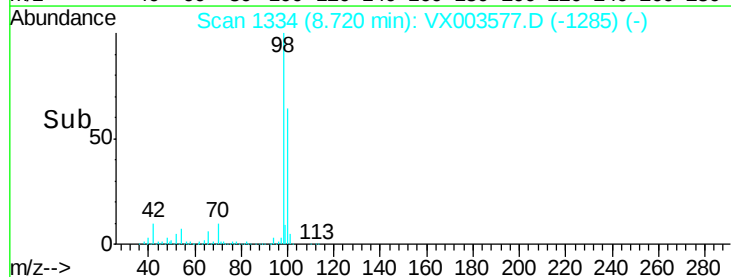
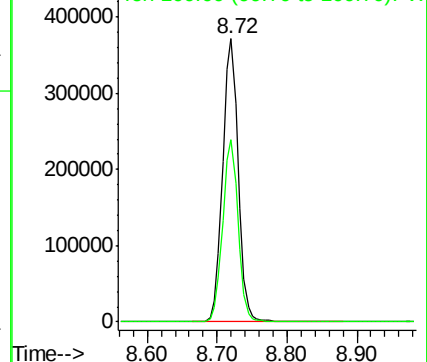
98 100

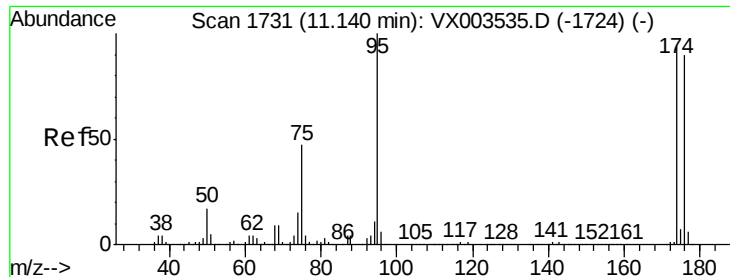
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

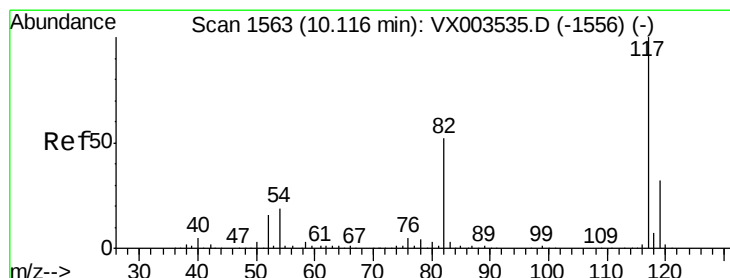
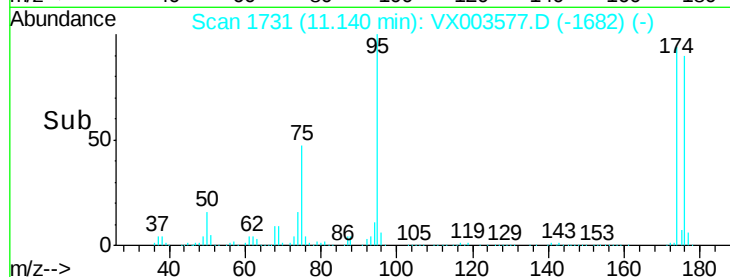
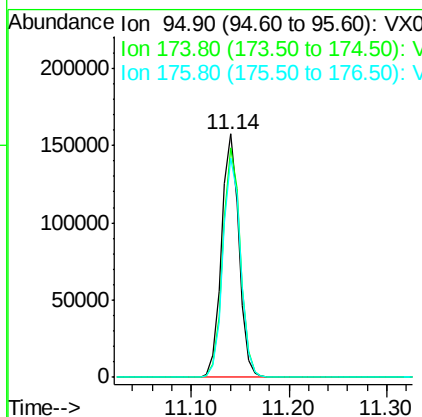
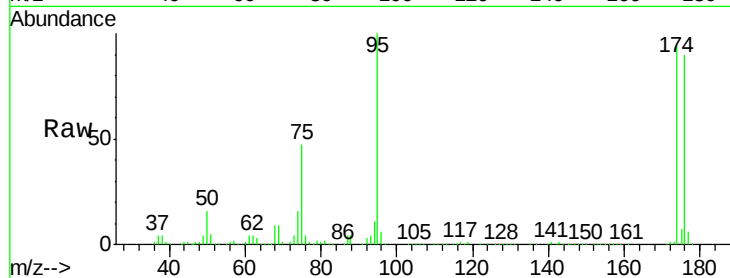




#62
4-Bromofluorobenzene
Concen: 46.69 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003577.D
Acq: 22 Jul 2018 02:23

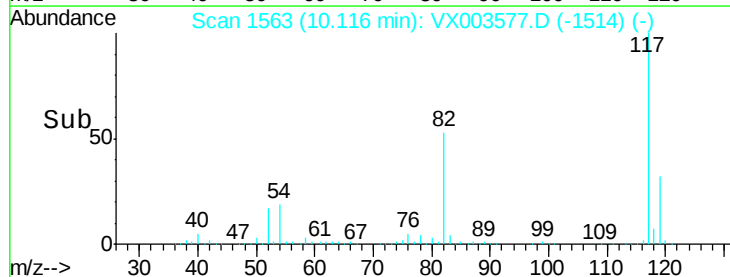
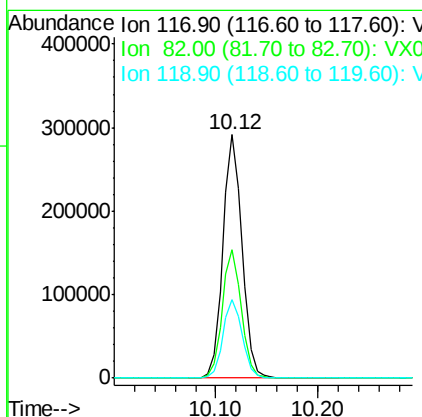
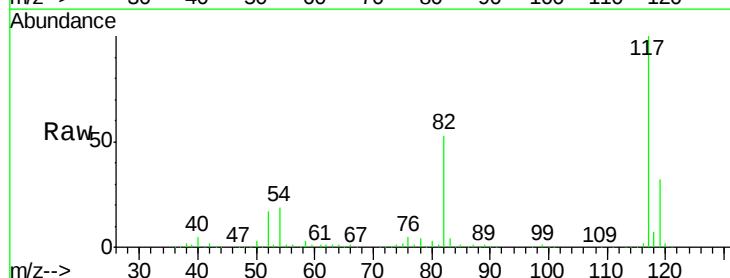
Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-W-180716

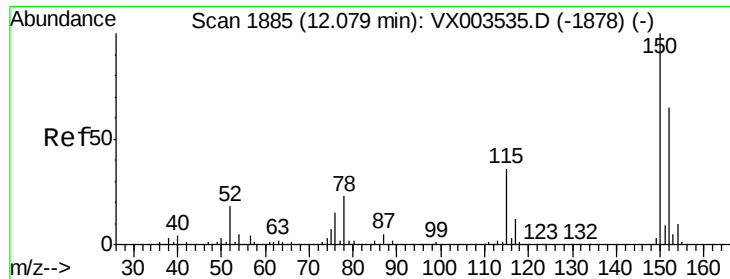
Tot Ion: 95 Resp: 194597
Ion Ratio Lower Upper
95 100
174 95.3 0.0 187.4
176 91.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003577.D
Acq: 22 Jul 2018 02:23

Tgt Ion: 117 Resp: 380977
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716

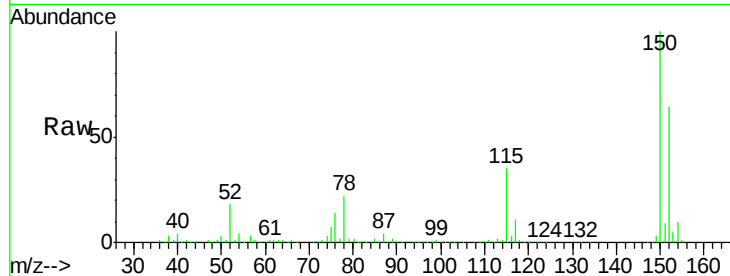
Tot Ion:152 Resp: 209460

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

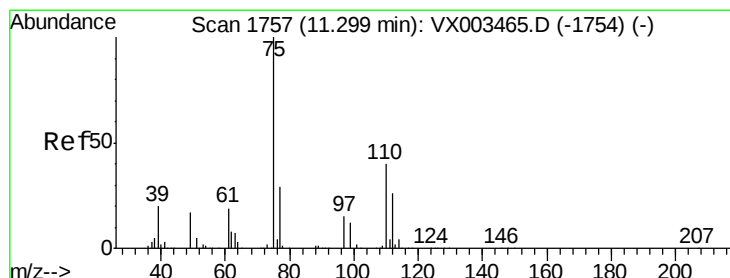
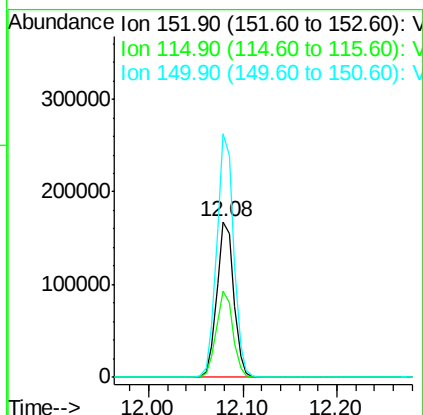
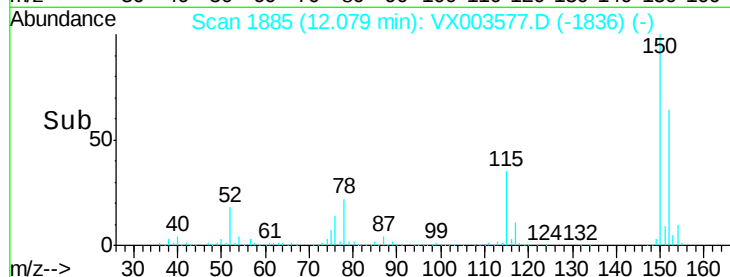
150 156.1 0.0 347.2



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: 24.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003577.D

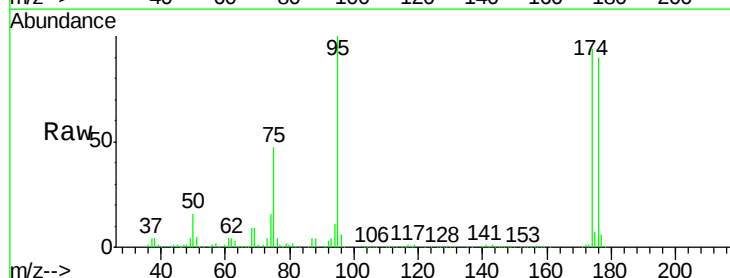
Acq: 22 Jul 2018 02:23

Tgt Ion: 75 Resp: 92961

Ion Ratio Lower Upper

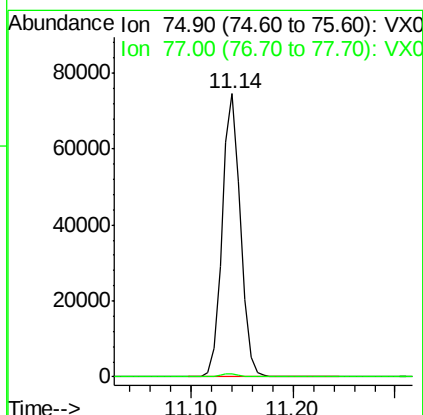
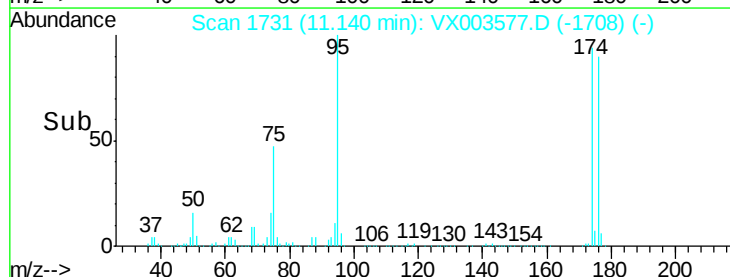
75 100

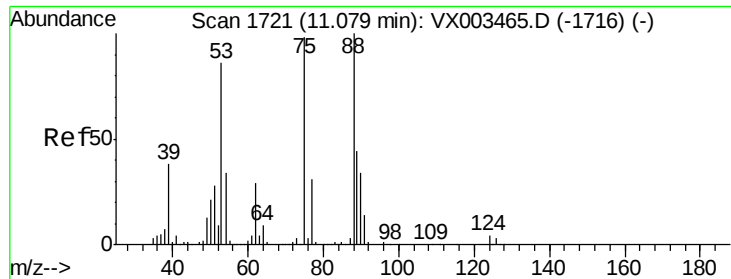
77 1.2 22.8 68.3#



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: 69.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003577.D

Acq: 22 Jul 2018 02:23

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-W-180716

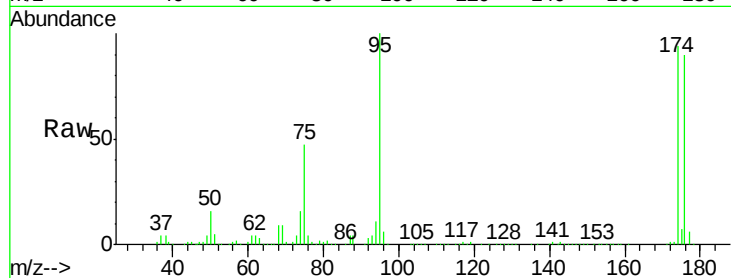
Tot Ion: 75 Resp: 92961

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

