

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003579.D
 Acq On : 22 Jul 2018 03:15
 Operator : JC/SP
 Sample : J4028-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC001-W-180716

Quant Time: Jul 23 03:49:57 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	268968	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	436830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204750	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	173309	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	5.51	113	160136	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.72	98	567523	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.14	95	193188	42.33	ug/l	0.00
Spiked Amount			Recovery	=	84.66%	

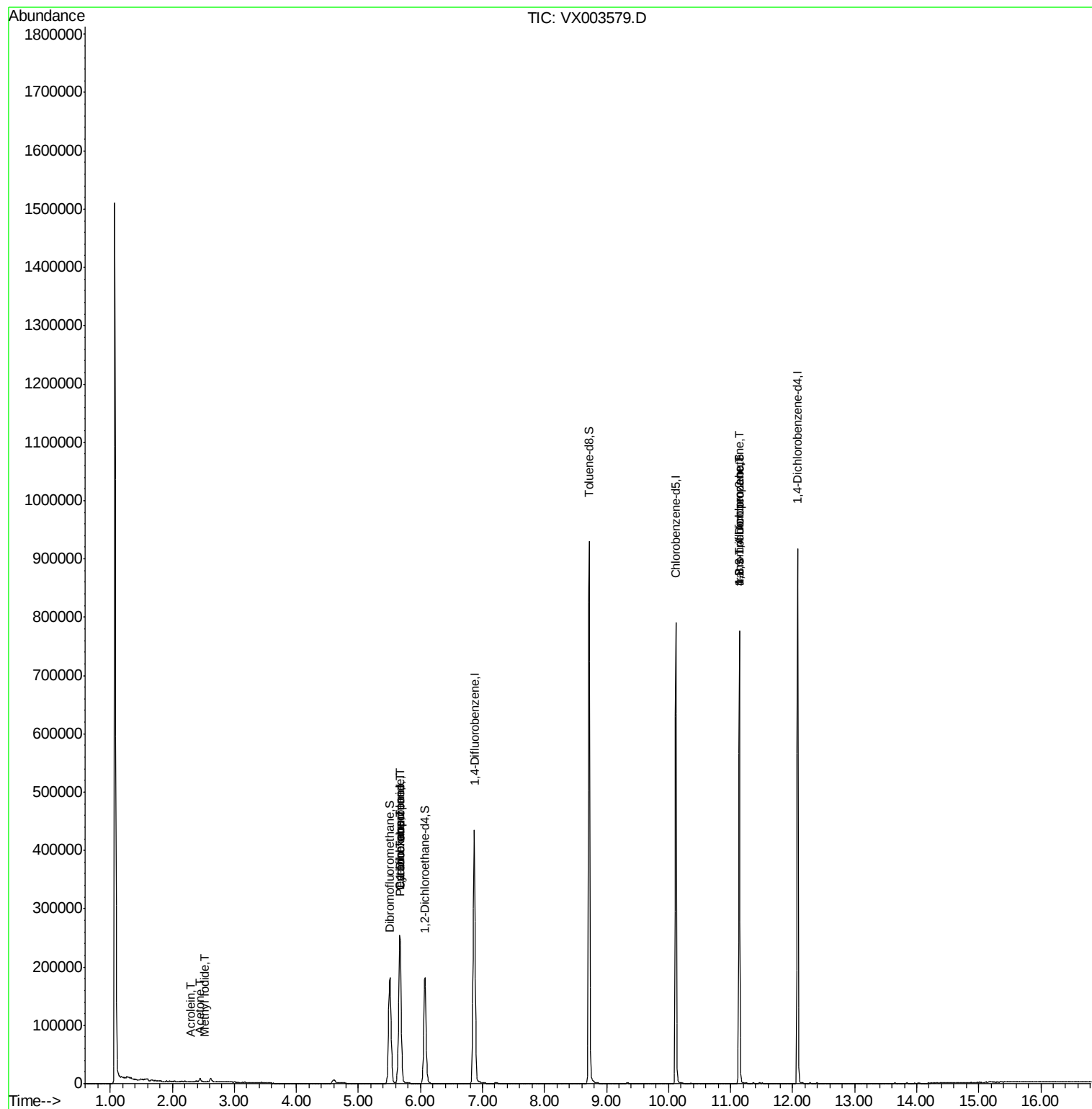
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	148	Below Cal	#	43
3) Chloromethane	1.33	50	524	Below Cal	#	69
5) Bromomethane	1.66	94	1103	Below Cal		89
10) Methyl Iodide	2.53	142	749	0.21	ug/l #	84
13) Acrolein	2.30	56	88	0.31	ug/l #	35
16) Acetone	2.45	43	5699	4.74	ug/l	96
20) Methylene Chloride	2.87	84	151	Below Cal	#	56
31) Cyclohexane	5.67	56	4244	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17121	3.63	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23299	5.04	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	91212	24.80	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	91212	69.46	ug/l #	7

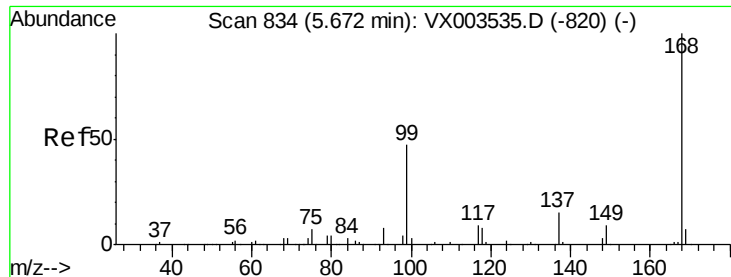
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

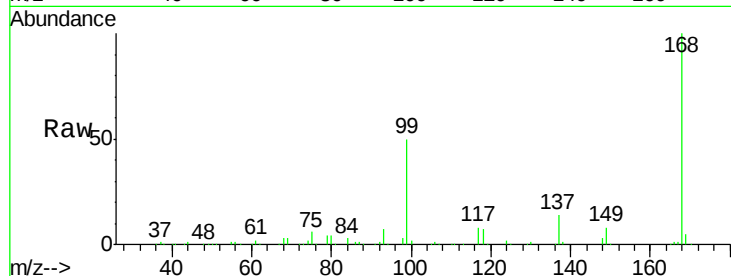
KY030LC001-W-180716

Tot Ion:168 Resp: 268968

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

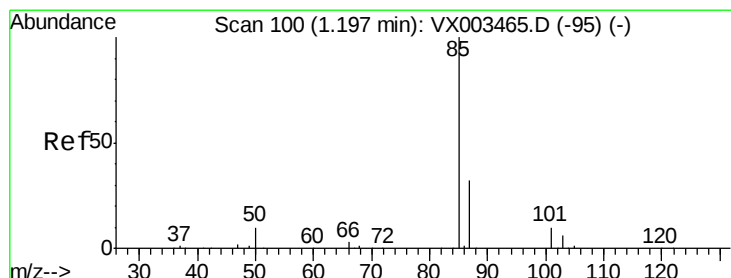
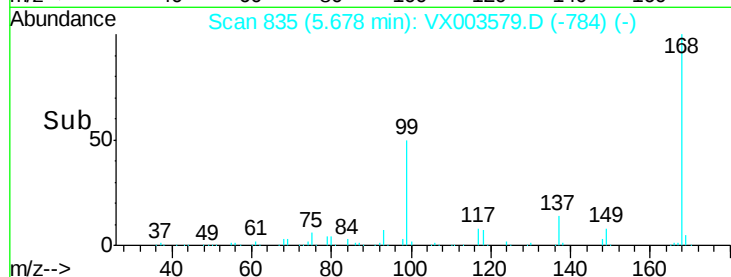
60000

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: VX003579.D

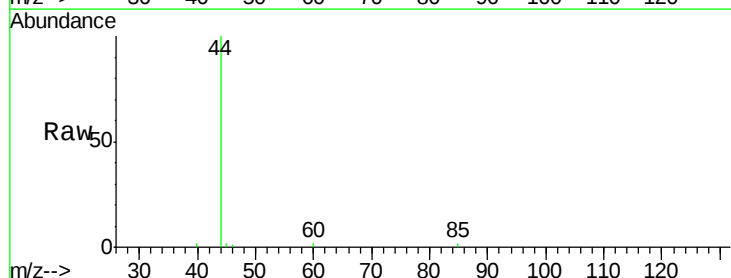
Acq: 22 Jul 2018 03:15

Tgt Ion: 85 Resp: 148

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

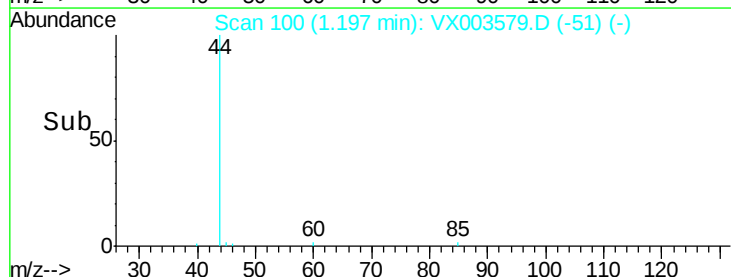
150

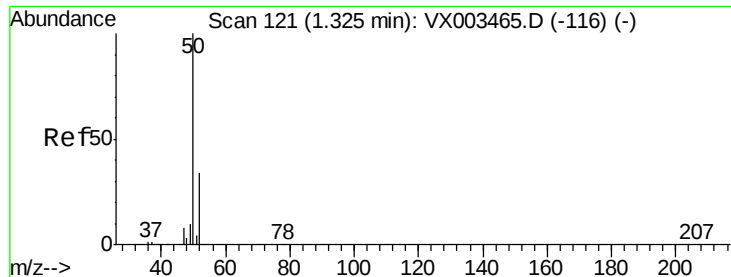
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

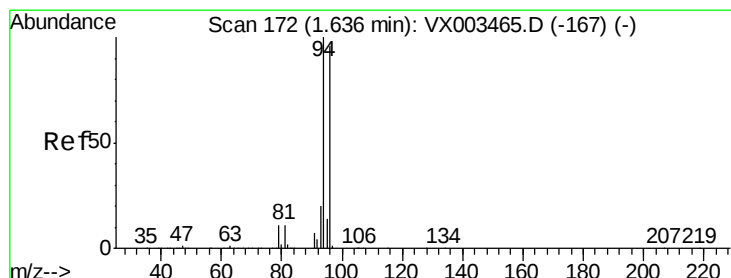
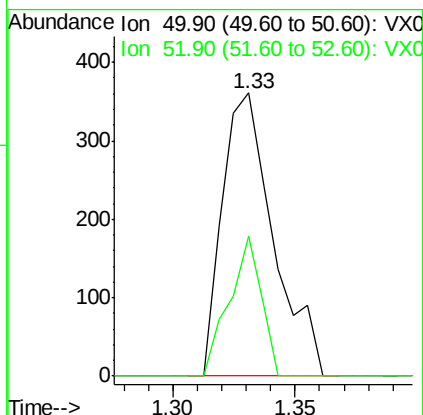
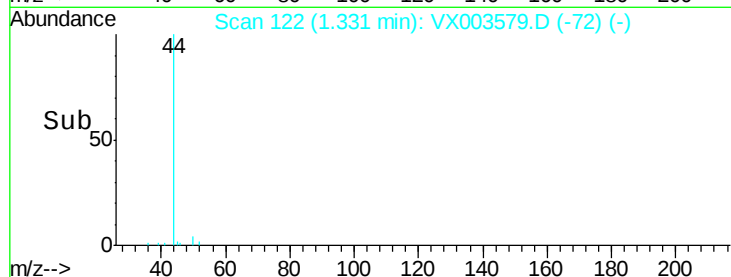
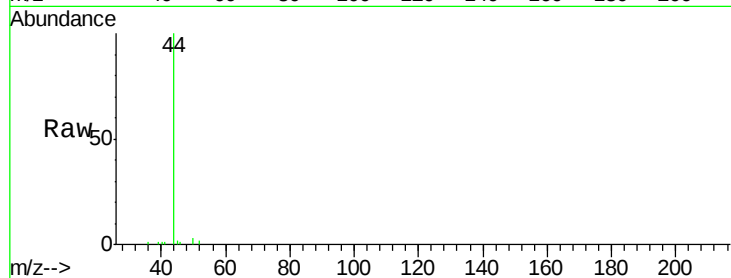
KY030LC001-W-180716

Tot Ion: 50 Resp: 524

Ion Ratio Lower Upper

50 100

52 49.6 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003579.D

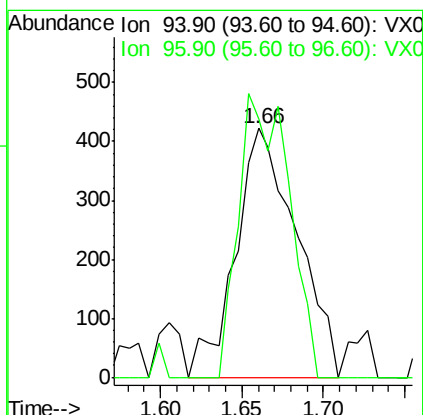
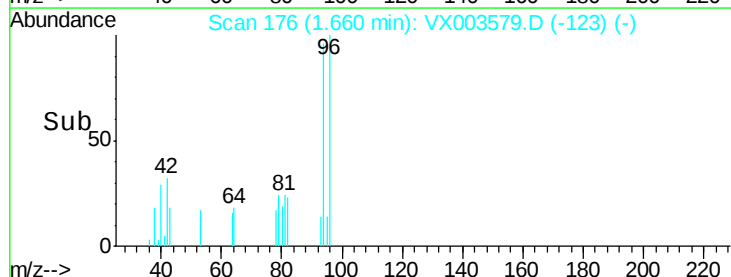
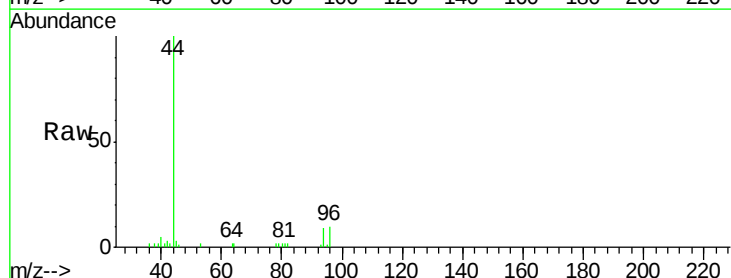
Acq: 22 Jul 2018 03:15

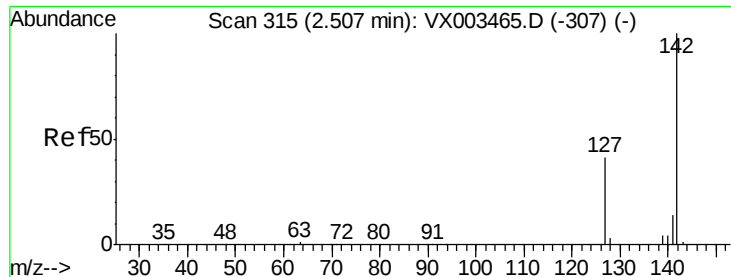
Tgt Ion: 94 Resp: 1103

Ion Ratio Lower Upper

94 100

96 103.8 74.9 112.3

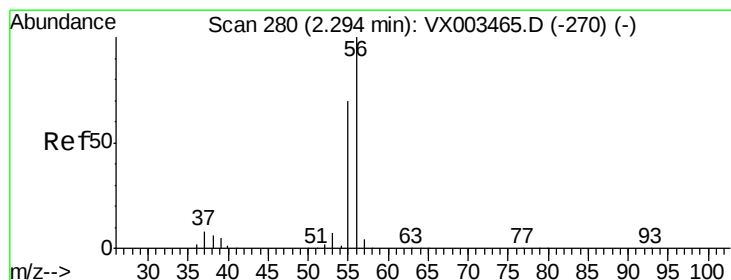
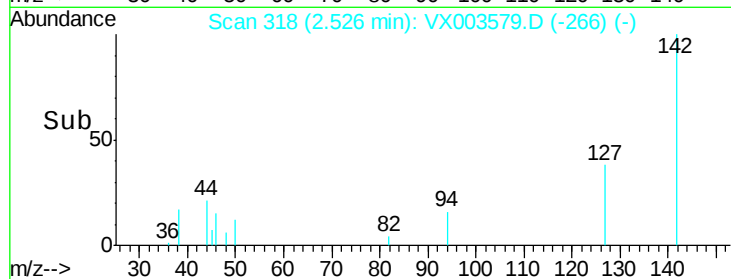
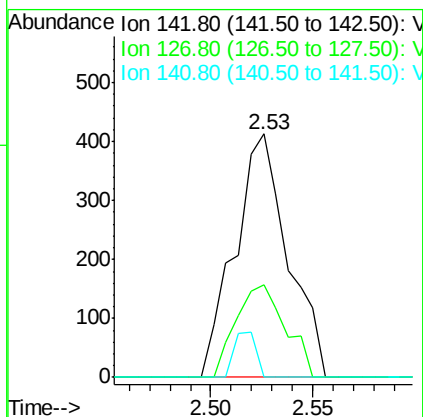
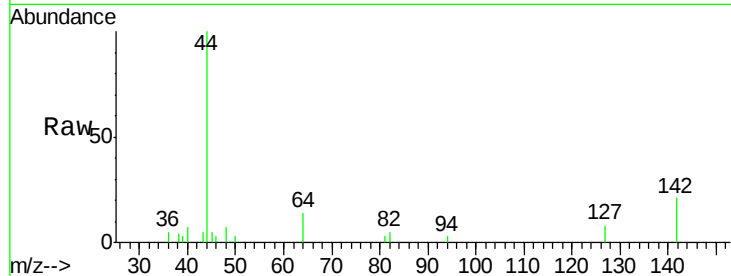




#10
Methvl Iodide
Concen: 0.21 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

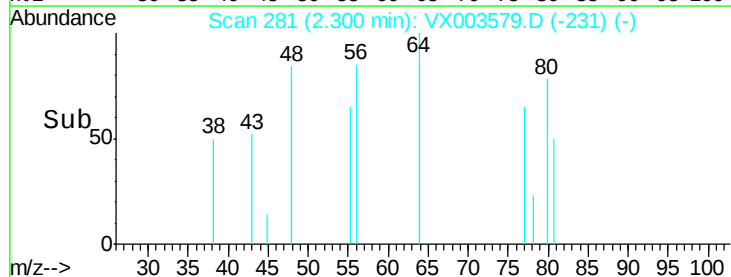
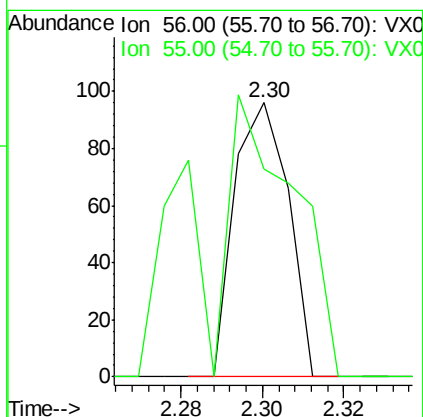
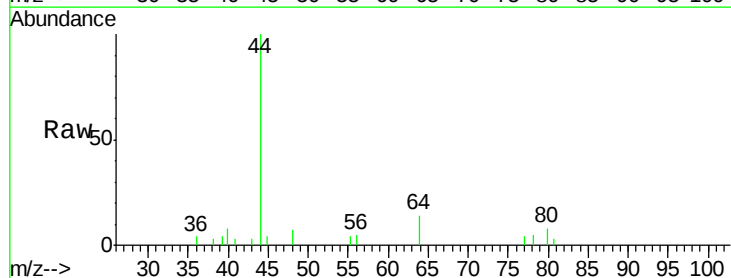
Instrument :
MSVOA_X
ClientSampleId :
KY030LC001-W-180716

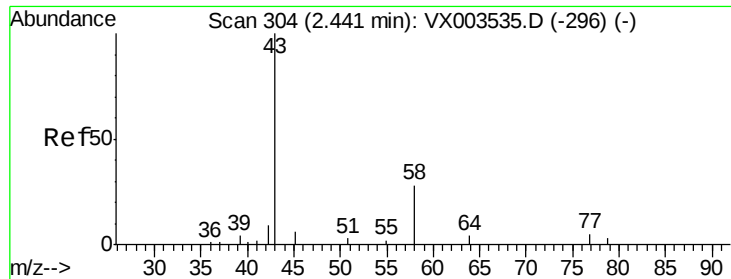
Tot Ion:142 Resp: 749
Ion Ratio Lower Upper
142 100
127 35.5 36.6 55.0#
141 7.5 11.3 16.9#



#13
Acrolein
Concen: 0.31 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 125.0 57.0 85.4#





#16

Acetone

Concen: 4.74 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

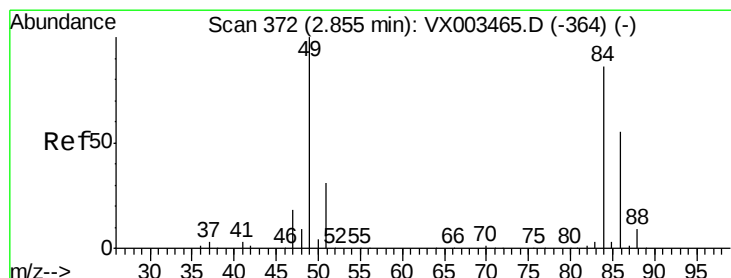
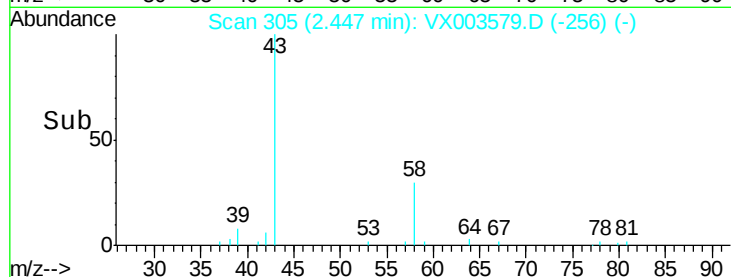
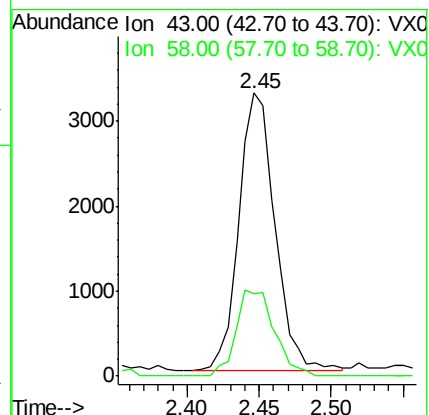
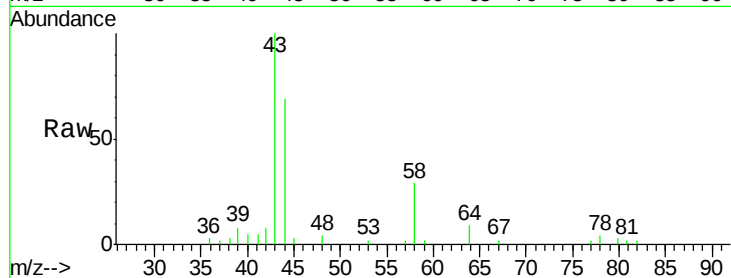
KY030LC001-W-180716

Tot Ion: 43 Resp: 5699

Ion Ratio Lower Upper

43 100

58 29.8 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Tgt Ion: 84 Resp: 151

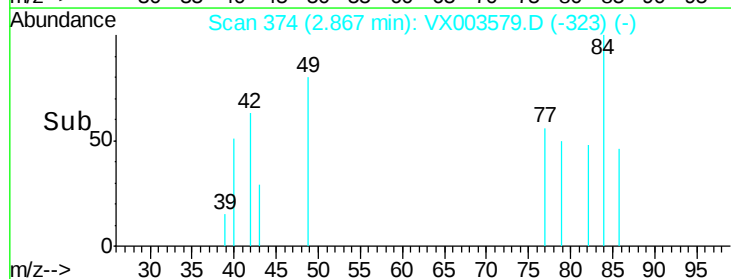
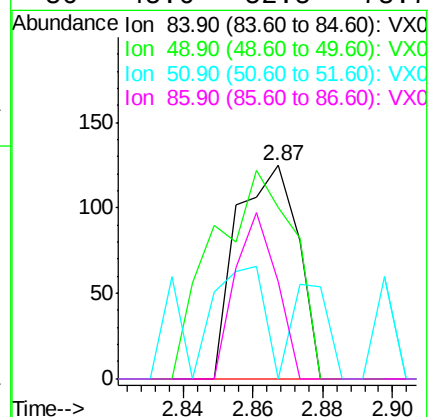
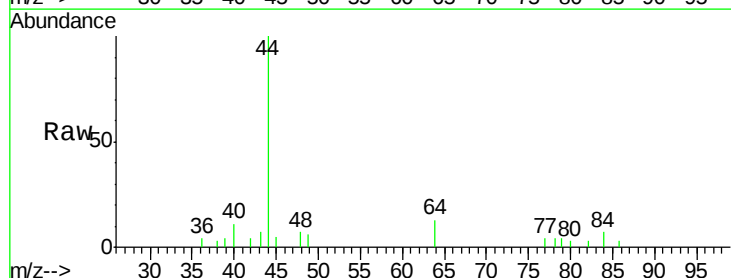
Ion Ratio Lower Upper

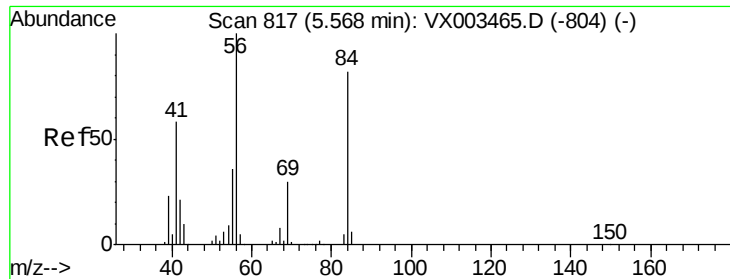
84 100

49 80.0 107.8 161.6#

51 0.0 32.8 49.2#

86 45.6 52.5 78.7#

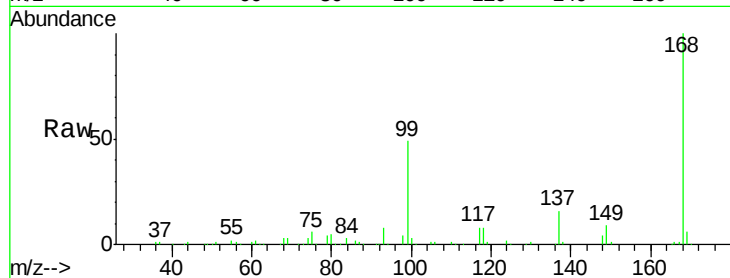




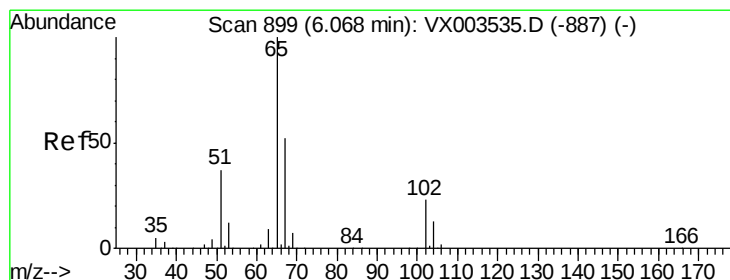
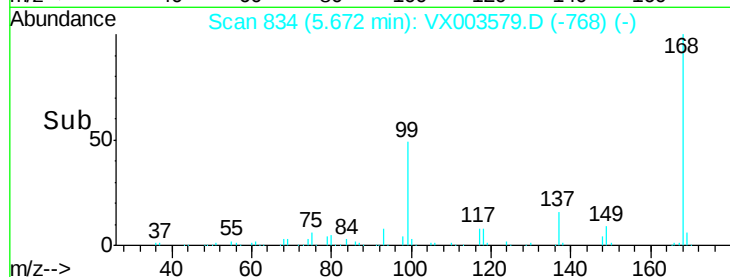
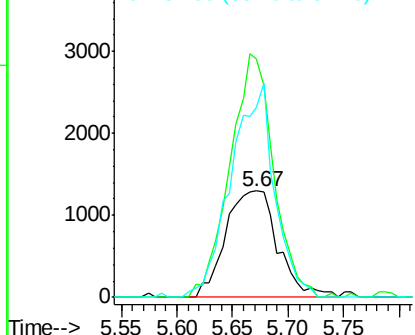
#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

Instrument :
MSVOA_X
ClientSampleId :
KY030LC001-W-180716

Tot Ion: 56 Resp: 4244
Ion Ratio Lower Upper
56 100
69 224.9 23.7 35.5#
84 178.5 64.1 96.1#

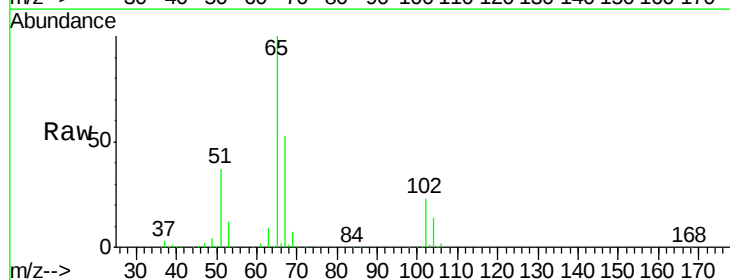


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

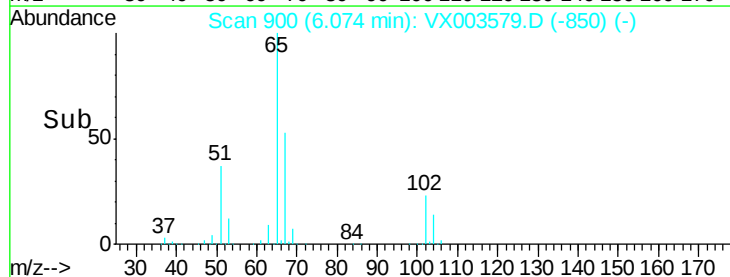
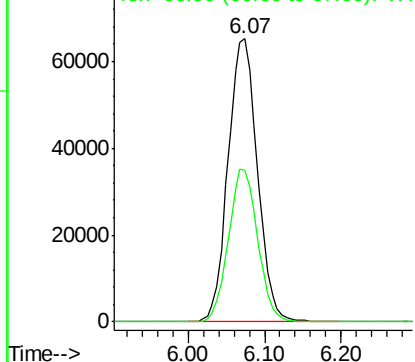


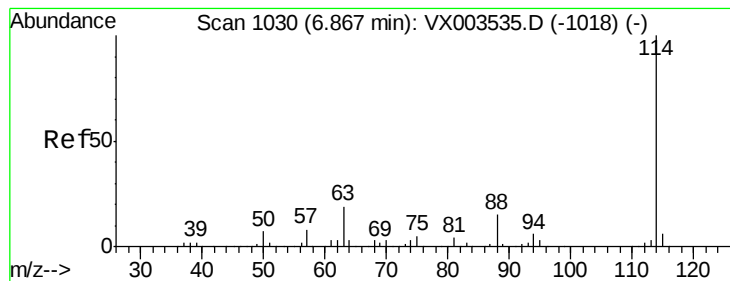
#33
1,2-Dichloroethane-d4
Concen: 54.43 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

Tgt Ion: 65 Resp: 173309
Ion Ratio Lower Upper
65 100
67 53.8 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: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

KY030LC001-W-180716

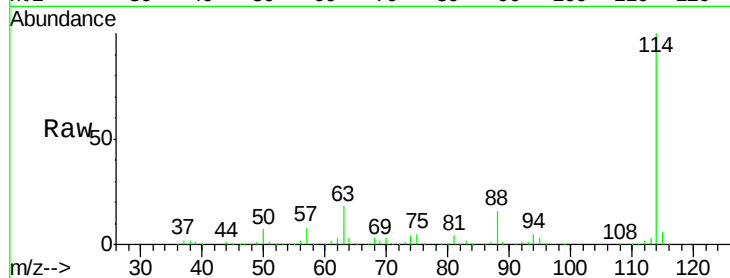
Tot Ion:114 Resp: 436830

Ion Ratio Lower Upper

114 100

63 17.5 0.0 41.4

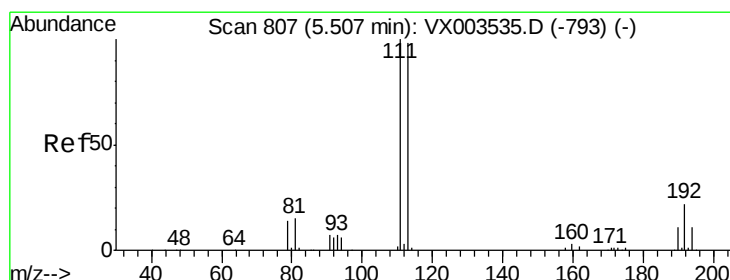
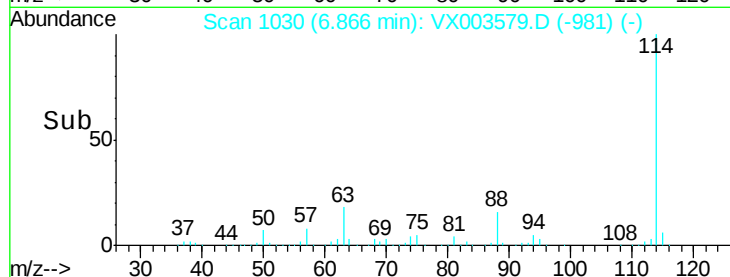
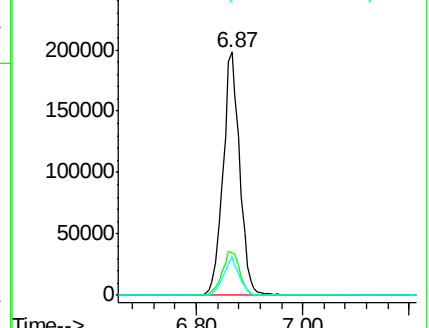
88 15.9 0.0 30.0



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: 48.13 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

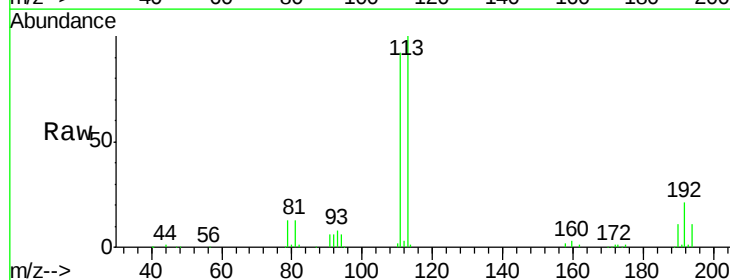
Tgt Ion:113 Resp: 160136

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

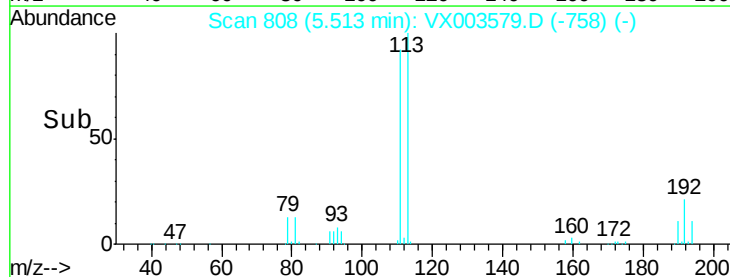
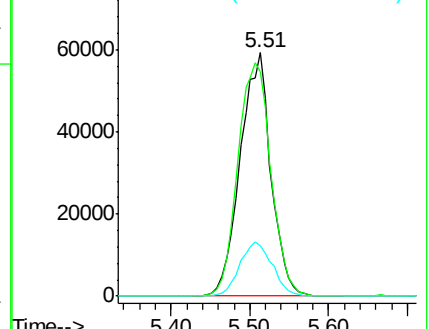
192 23.7 19.1 28.7

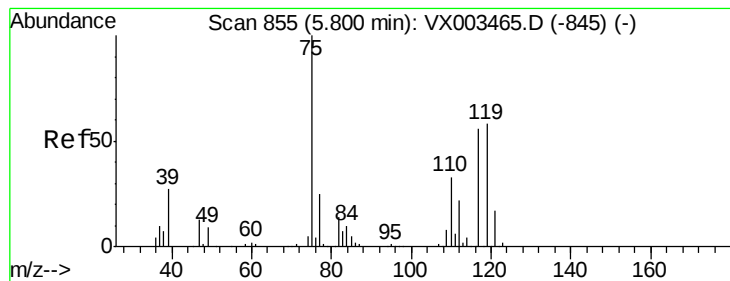


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.63 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

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ClientSampleId :

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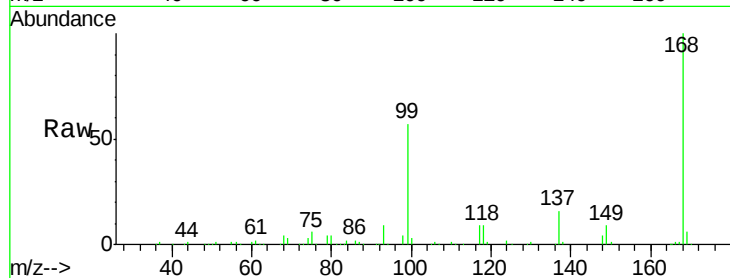
Tot Ion: 75 Resp: 17121

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

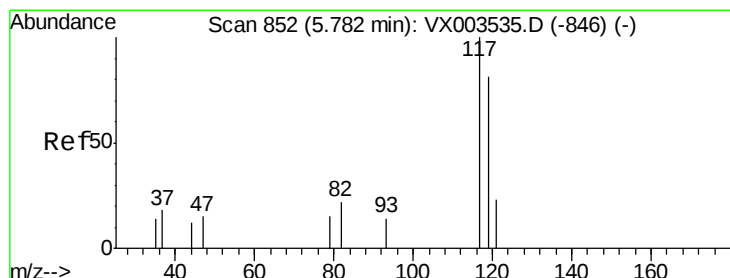
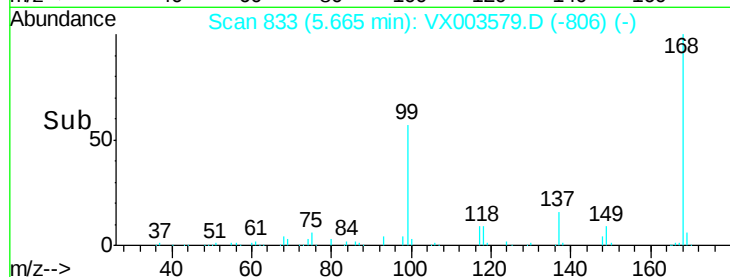
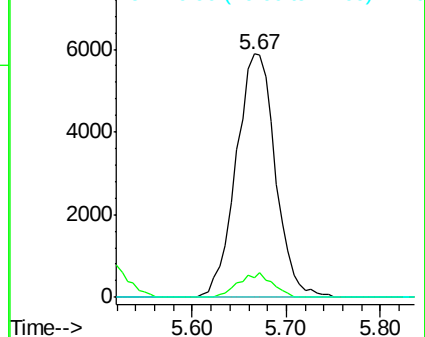
77 0.0 24.3 36.5#



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: 5.04 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

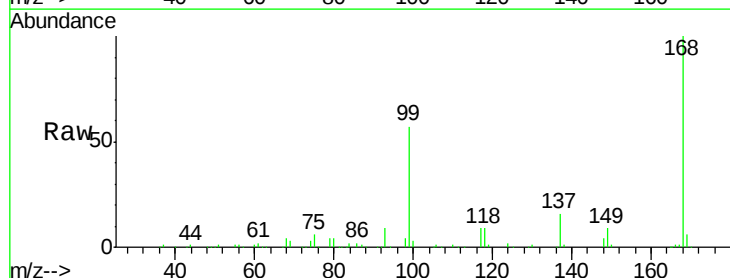
Tgt Ion: 117 Resp: 23299

Ion Ratio Lower Upper

117 100

119 7.4 77.4 116.0#

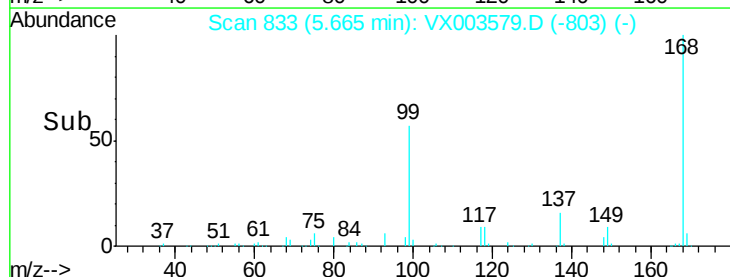
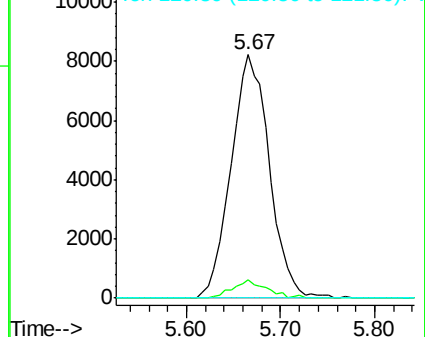
121 0.0 24.4 36.6#

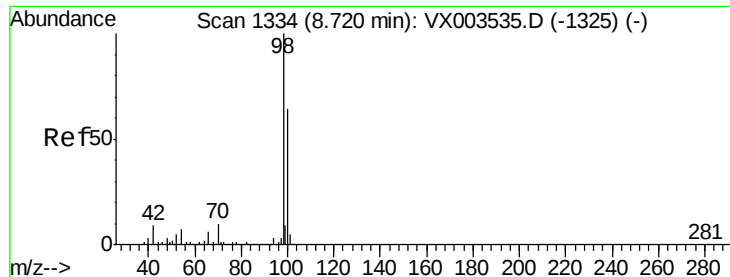


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 45.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

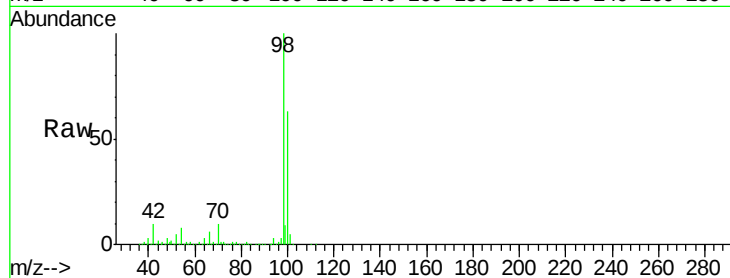
KY030LC001-W-180716

Tot Ion: 98 Resp: 567523

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

400000

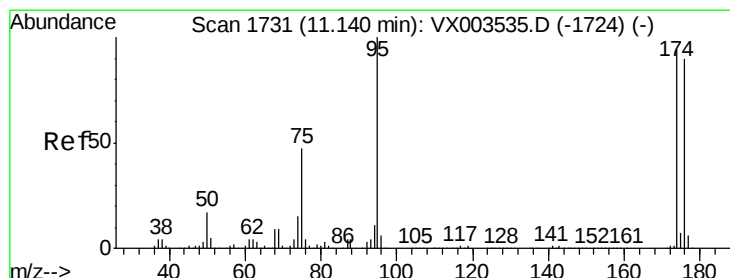
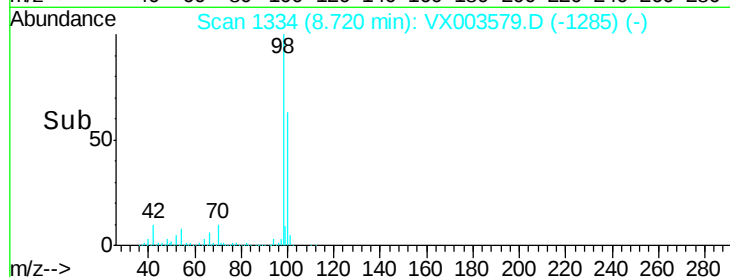
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 42.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

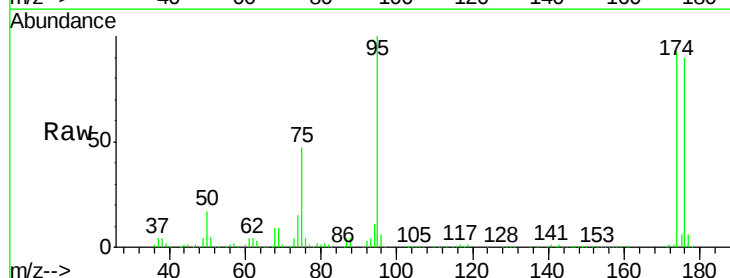
Tgt Ion: 95 Resp: 193188

Ion Ratio Lower Upper

95 100

174 95.0 0.0 187.4

176 91.7 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

11.14

200000

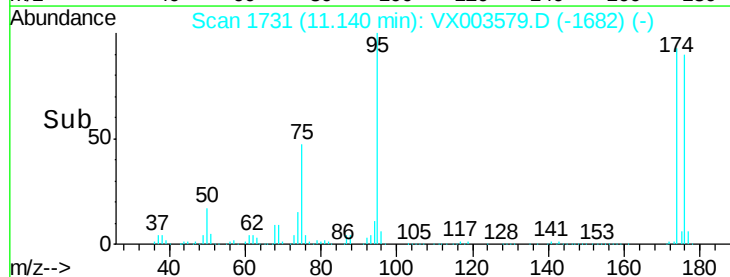
150000

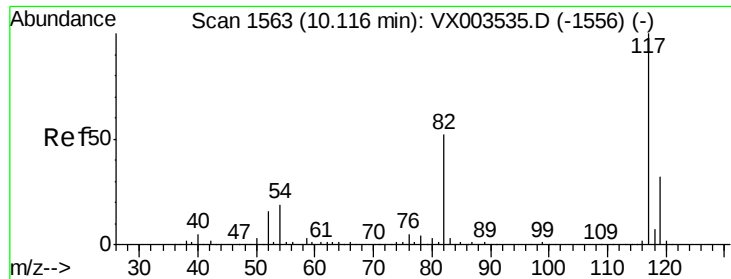
100000

50000

0

Time--> 11.10 11.20

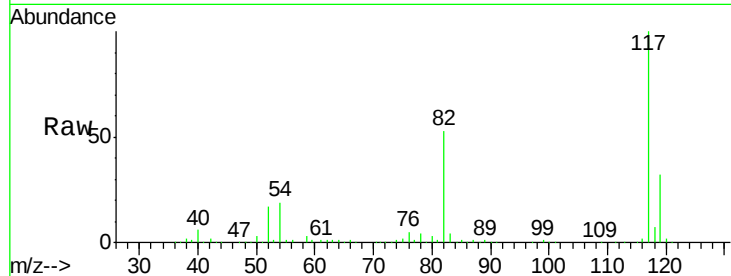




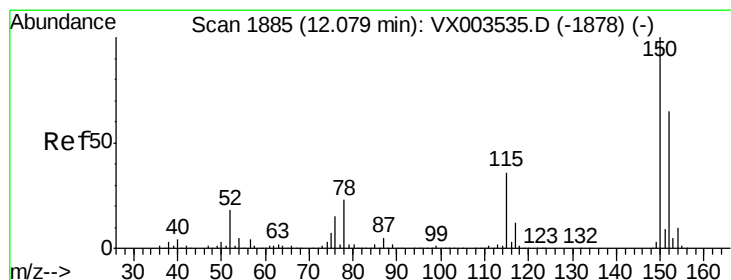
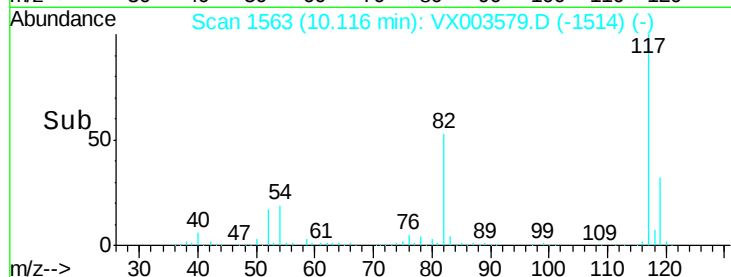
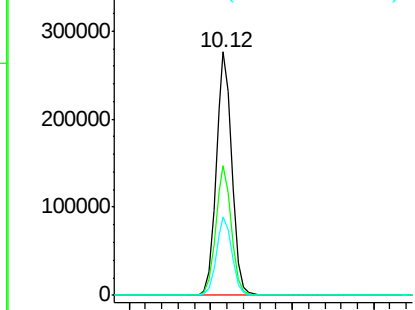
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

Instrument :
MSVOA_X
ClientSampleId :
KY030LC001-W-180716

Tot Ion:117 Resp: 375066
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.4 25.8 38.6

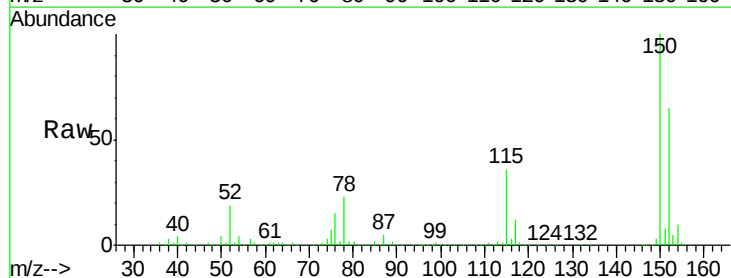


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

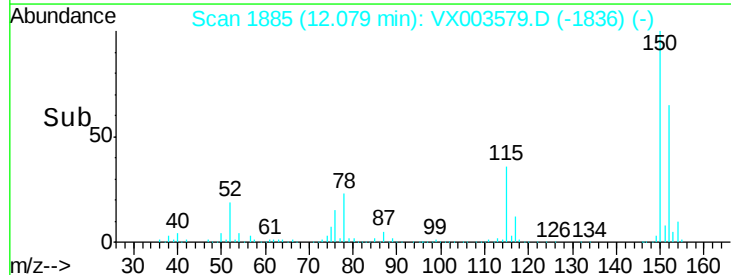
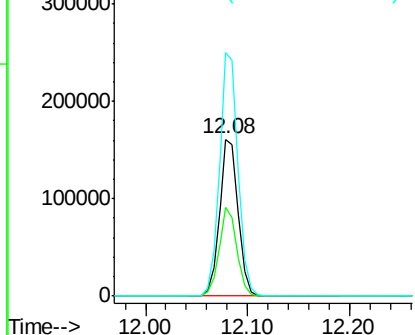


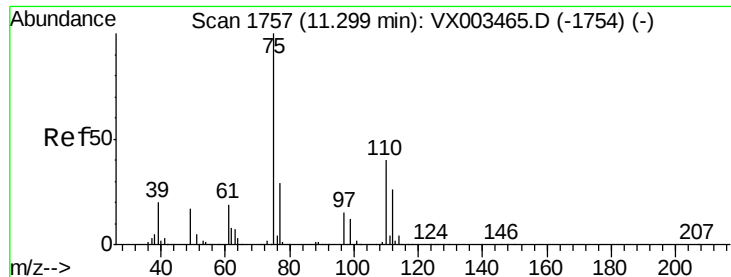
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003579.D
Acq: 22 Jul 2018 03:15

Tgt Ion:152 Resp: 204750
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 155.4 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: 24.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

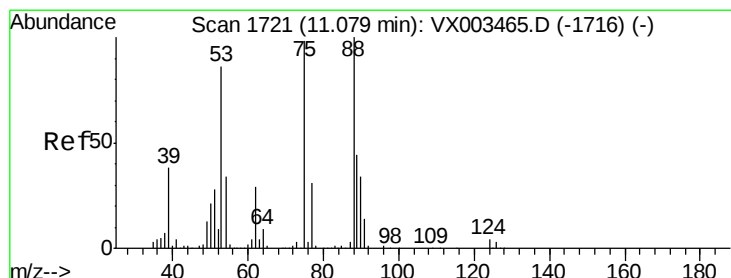
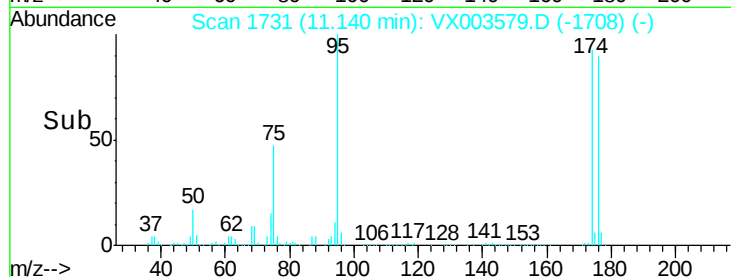
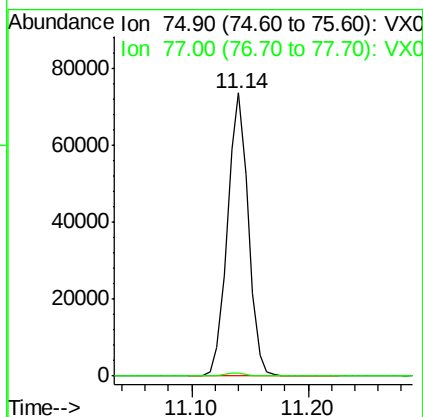
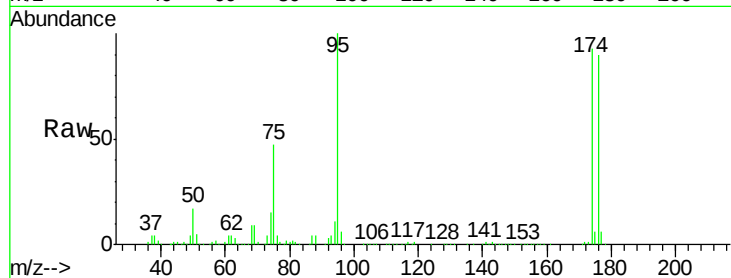
KY030LC001-W-180716

Tot Ion: 75 Resp: 91212

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003579.D

Acq: 22 Jul 2018 03:15

Tgt Ion: 75 Resp: 91212

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

