

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003580.D
 Acq On : 22 Jul 2018 03:42
 Operator : JC/SP
 Sample : J4028-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP001-180716

Quant Time: Jul 23 03:50:09 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	290639	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	412754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213293	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	159131	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	5.51	113	156196	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	8.72	98	561190	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	11.14	95	194137	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

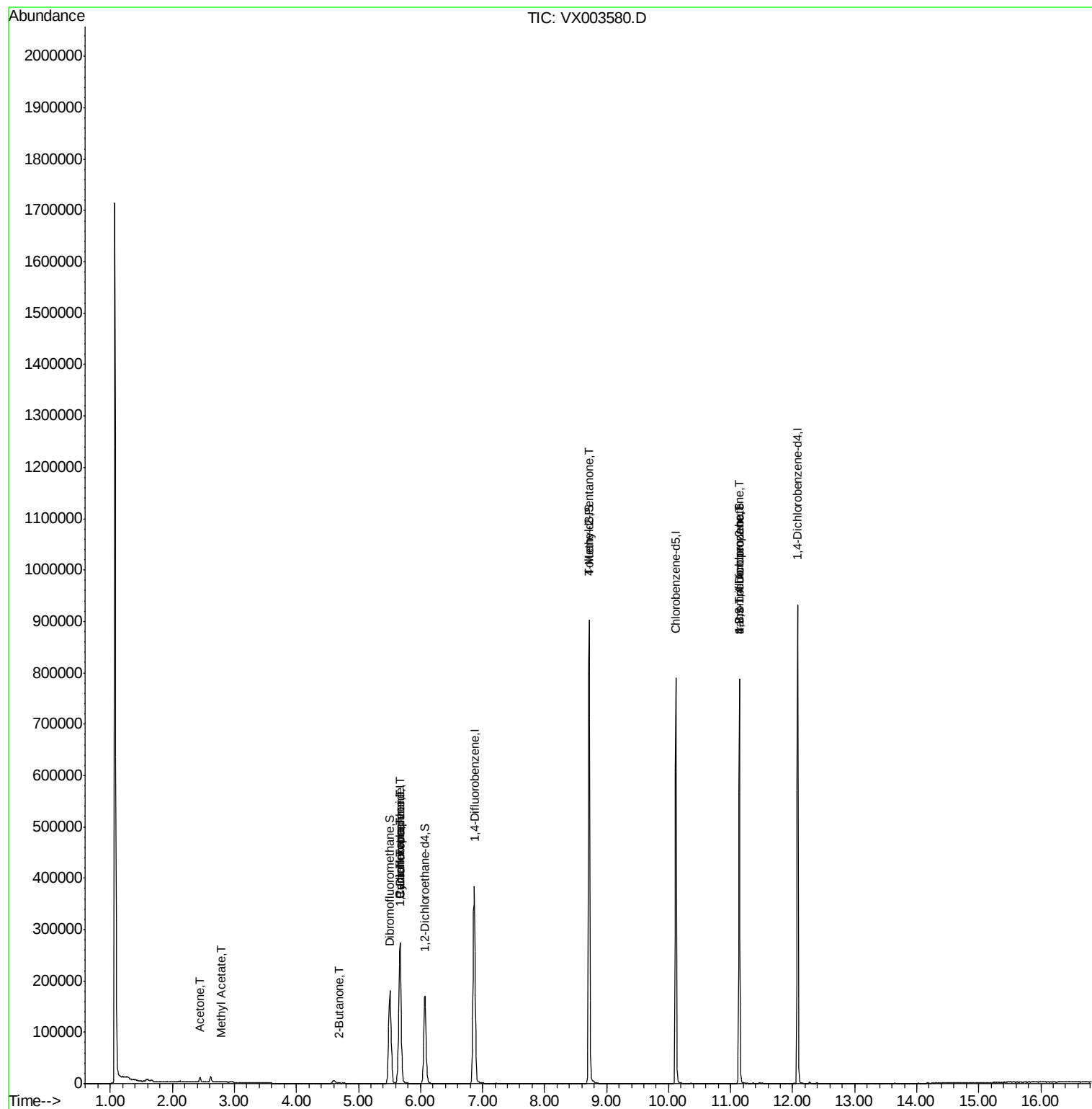
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102	Below Cal	#	43
3) Chloromethane	1.32	50	516	Below Cal	#	87
5) Bromomethane	1.66	94	989	Below Cal		94
16) Acetone	2.45	43	10587	8.15	ug/l	93
18) Methyl Acetate	2.79	43	934	0.23	ug/l	# 66
20) Methylene Chloride	2.86	84	229	Below Cal	#	60
25) 2-Butanone	4.70	43	591	0.27	ug/l	# 52
31) Cyclohexane	5.67	56	4351	0.84	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	16781	3.77	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23823	5.45	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.71	43	2114	0.50	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	89252	23.29	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	89252	65.39	ug/l	# 7

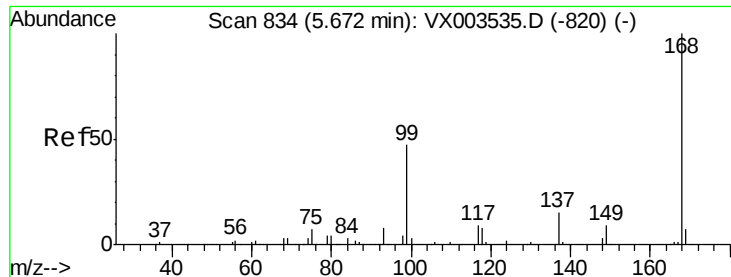
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

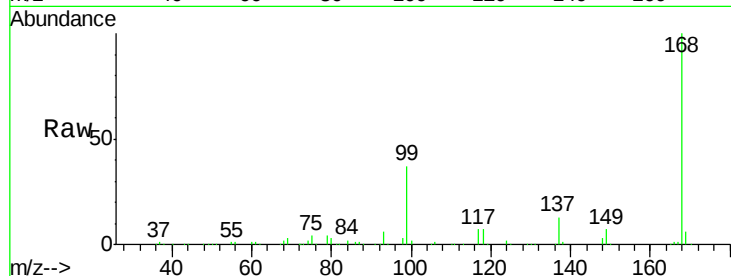
KY030SP001-180716

Tot Ion:168 Resp: 290639

Ion Ratio Lower Upper

168 100

99 36.9 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

120000

100000

80000

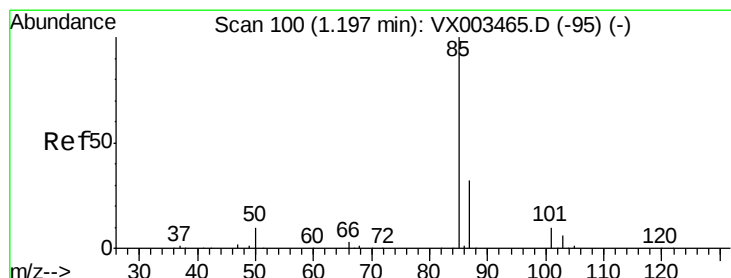
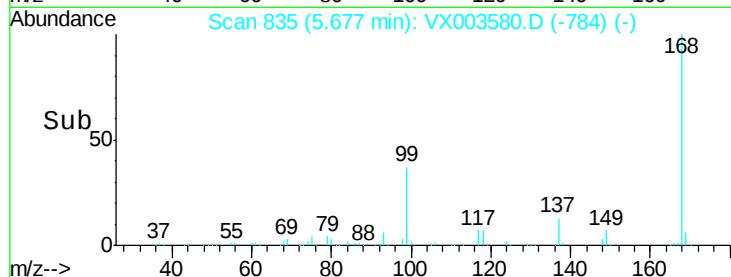
60000

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: VX003580.D

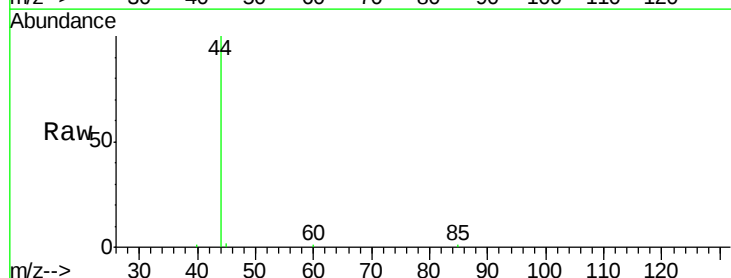
Acq: 22 Jul 2018 03:42

Tgt Ion: 85 Resp: 102

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

120

100

80

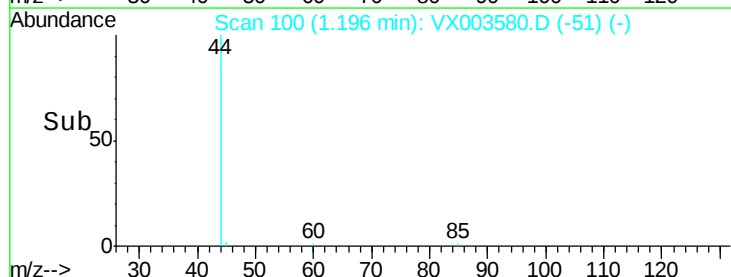
60

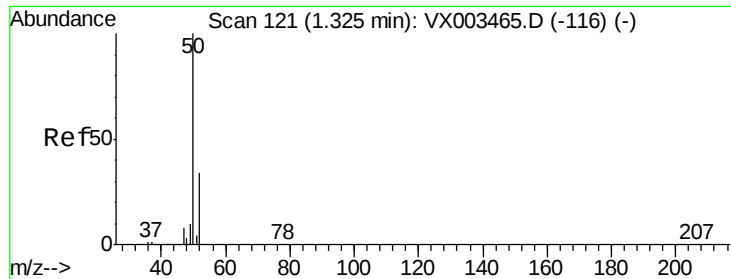
40

20

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: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

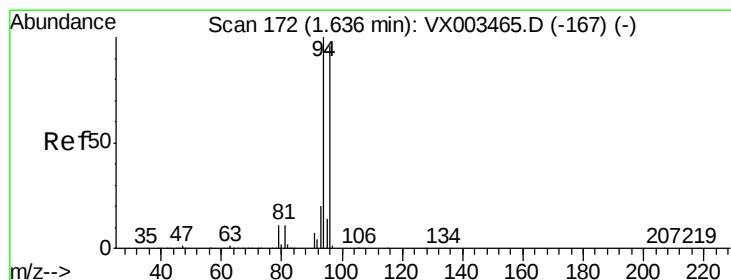
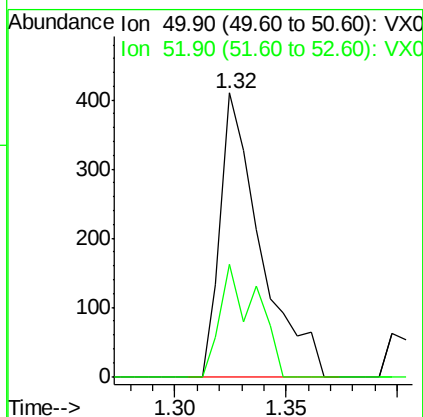
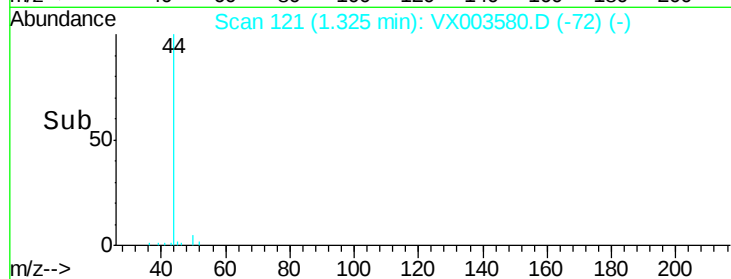
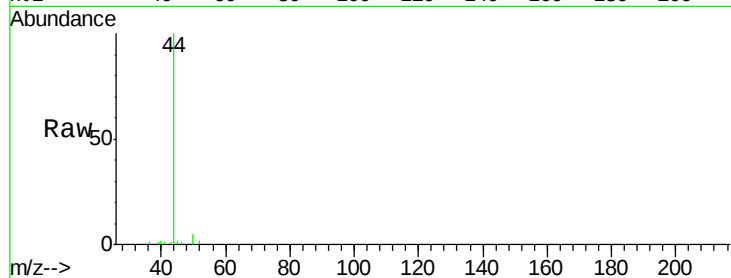
KY030SP001-180716

Tot Ion: 50 Resp: 516

Ion Ratio Lower Upper

50 100

52 39.5 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX003580.D

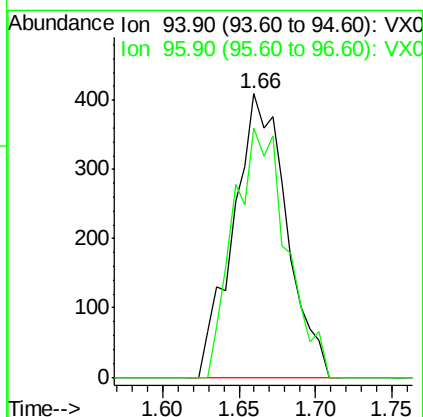
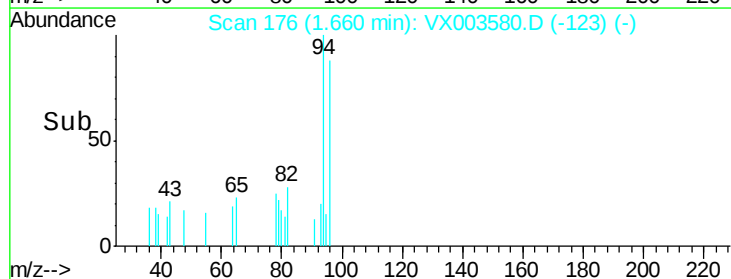
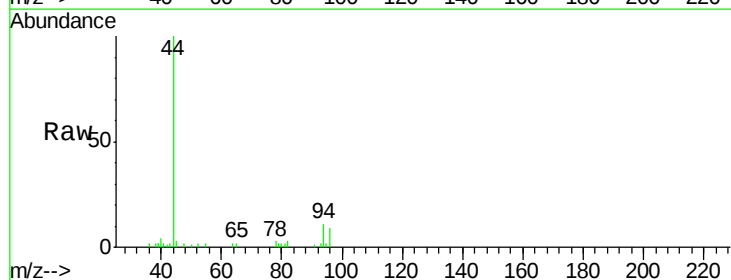
Acq: 22 Jul 2018 03:42

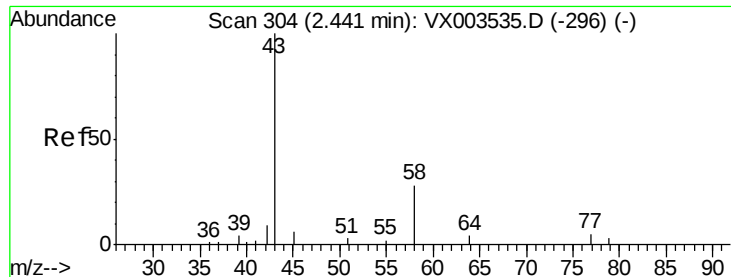
Tgt Ion: 94 Resp: 989

Ion Ratio Lower Upper

94 100

96 87.8 74.9 112.3





#16

Acetone

Concen: 8.15 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

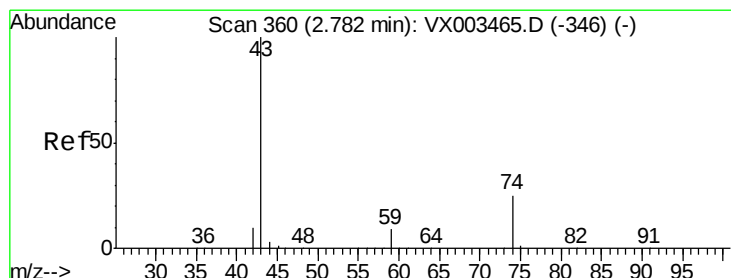
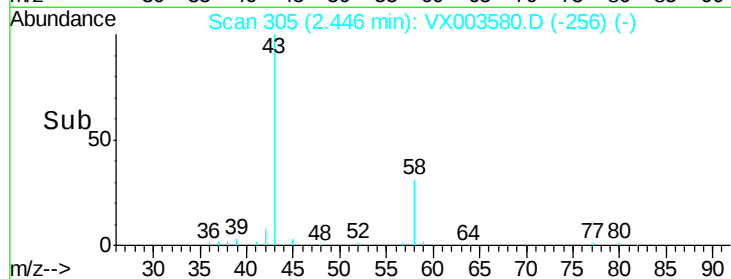
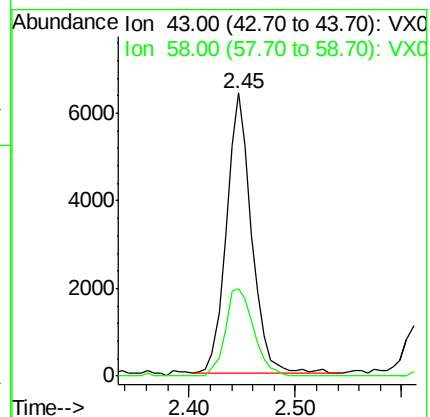
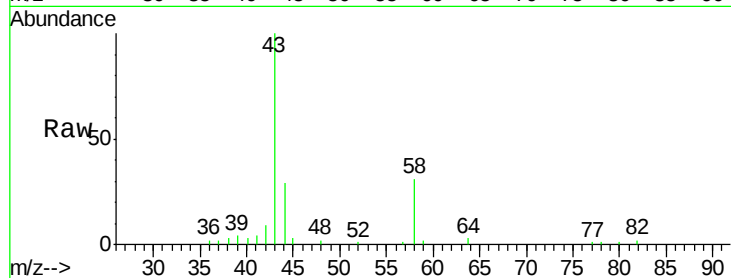
KY030SP001-180716

Tot Ion: 43 Resp: 10587

Ion Ratio Lower Upper

43 100

58 31.3 22.1 33.1



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003580.D

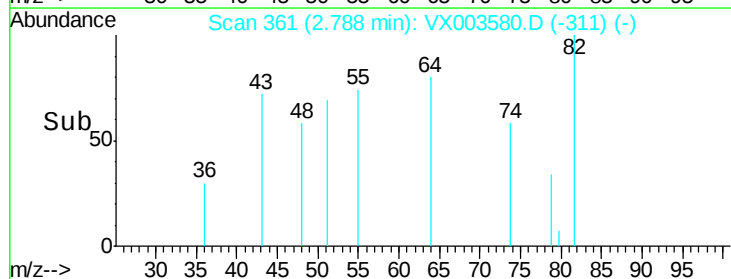
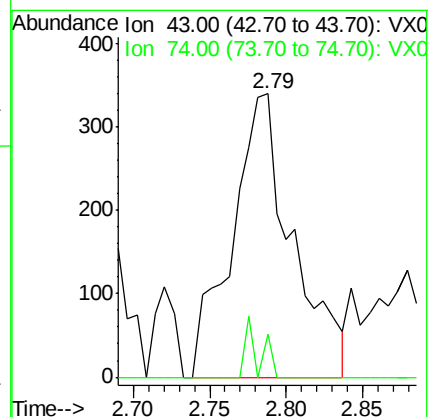
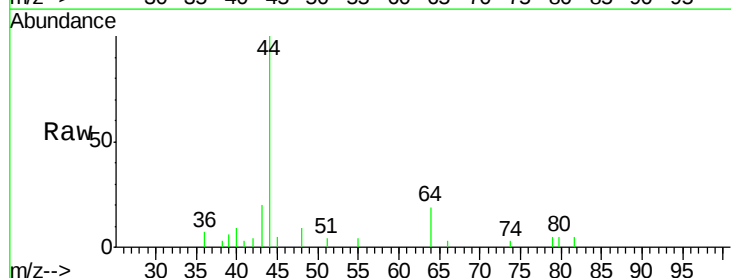
Acq: 22 Jul 2018 03:42

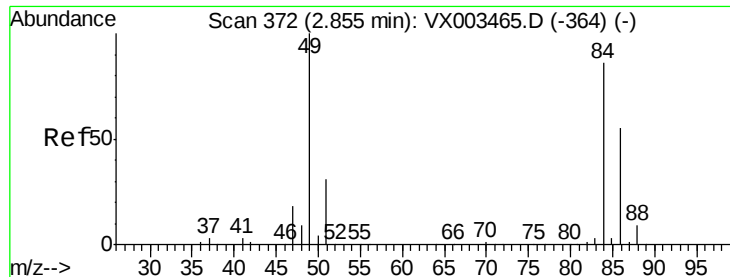
Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

43 100

74 4.9 16.7 25.1#

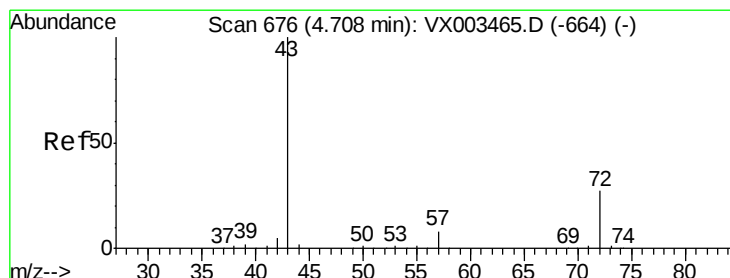
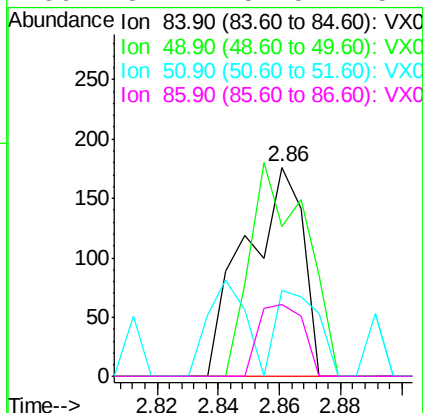
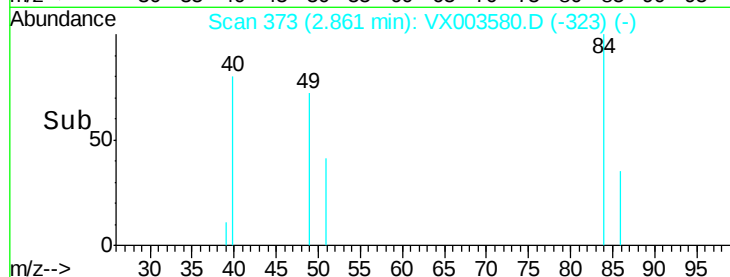
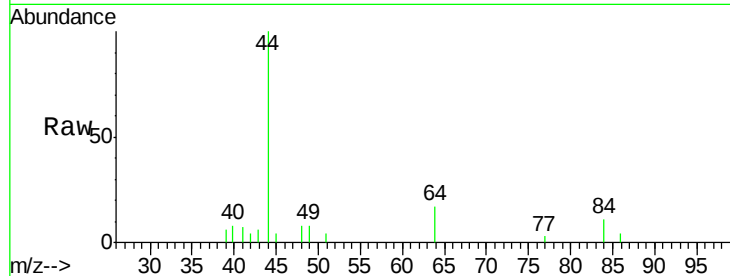




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

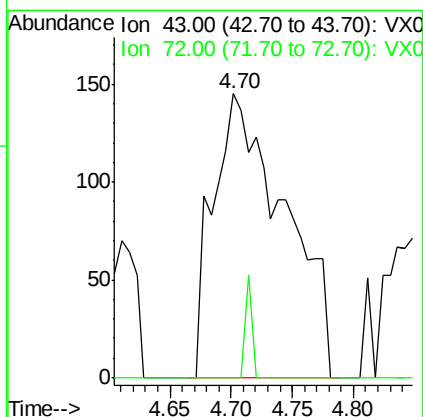
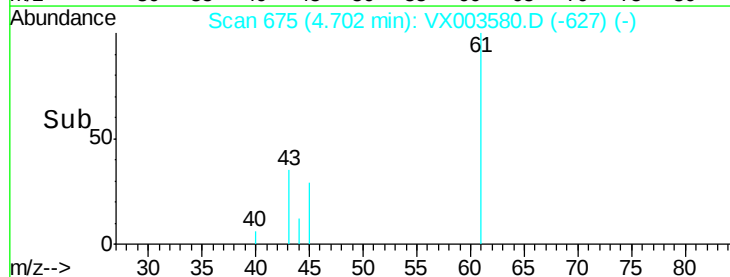
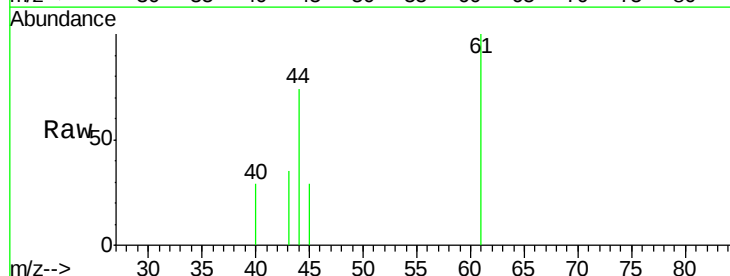
Instrument :
MSVOA_X
ClientSampleId :
KY030SP001-180716

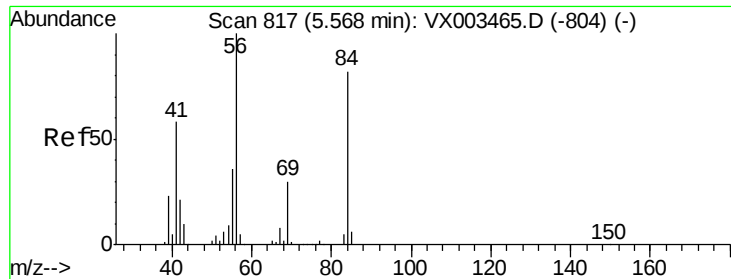
Tot Ion: 84 Resp: 229
Ion Ratio Lower Upper
84 100
49 71.6 107.8 161.6#
51 41.5 32.8 49.2
86 34.7 52.5 78.7#



#25
2-Butanone
Concen: 0.27 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#

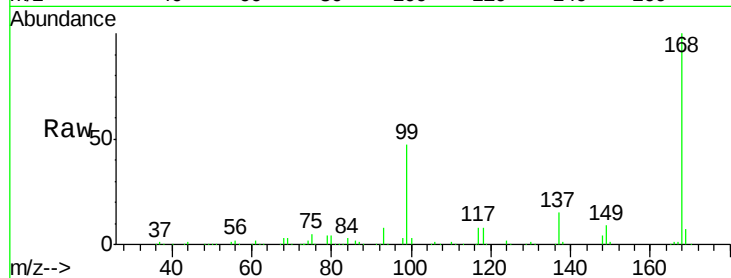




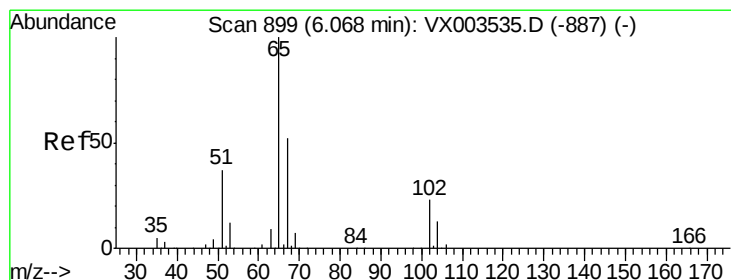
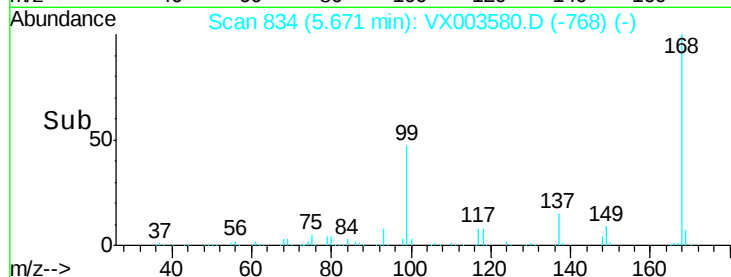
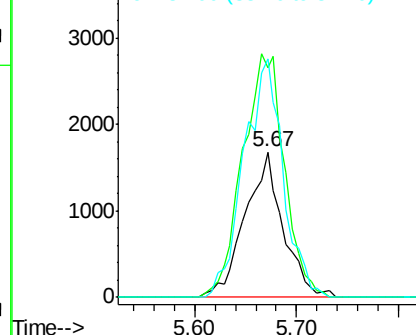
#31
Cyclohexane
Concen: 0.84 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

Instrument :
MSVOA_X
ClientSampleId :
KY030SP001-180716

Tot Ion: 56 Resp: 4351
Ion Ratio Lower Upper
56 100
69 157.5 23.7 35.5#
84 163.9 64.1 96.1#

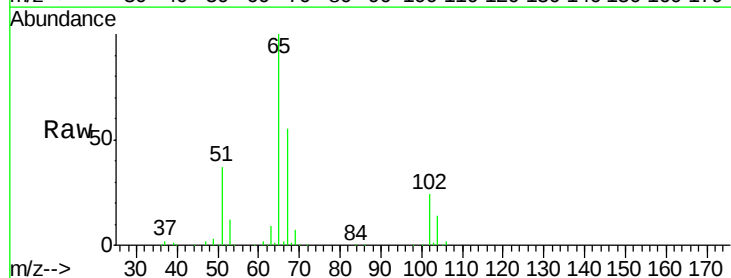


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

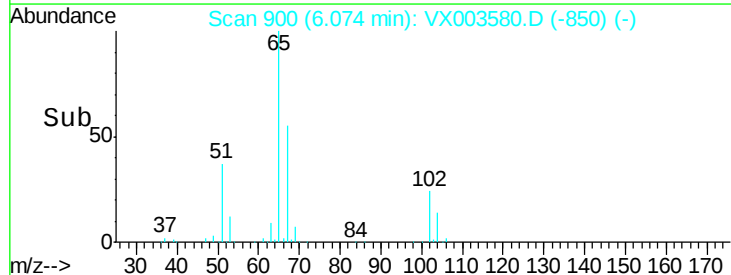
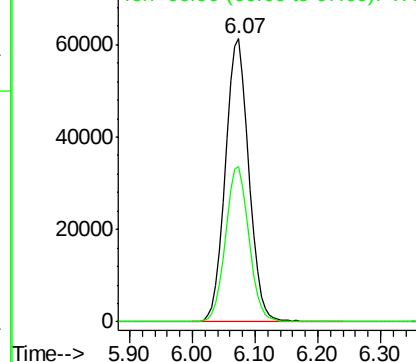


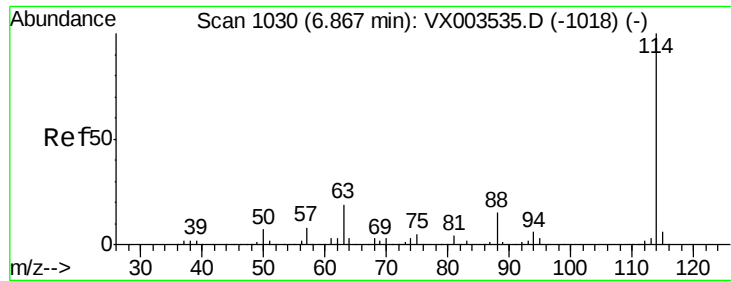
#33
1,2-Dichloroethane-d4
Concen: 46.25 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

Tgt Ion: 65 Resp: 159131
Ion Ratio Lower Upper
65 100
67 54.7 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: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

KY030SP001-180716

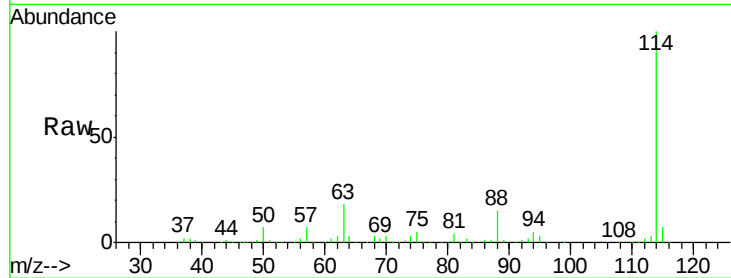
Tot Ion:114 Resp: 412754

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.4

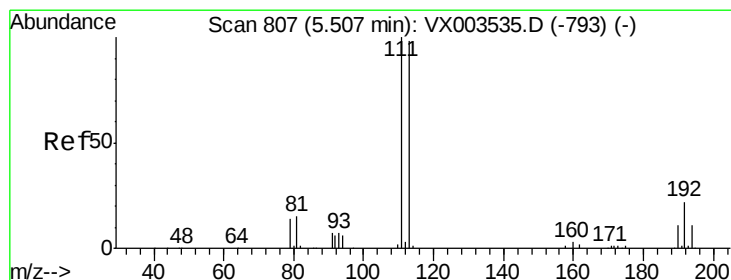
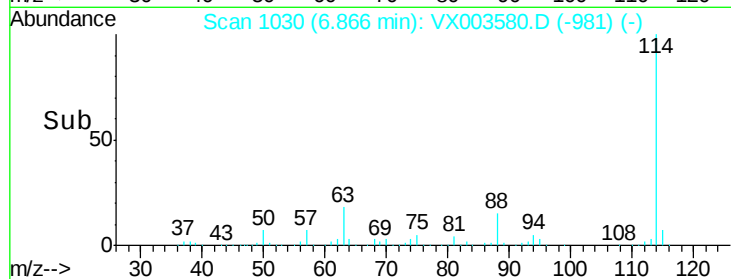
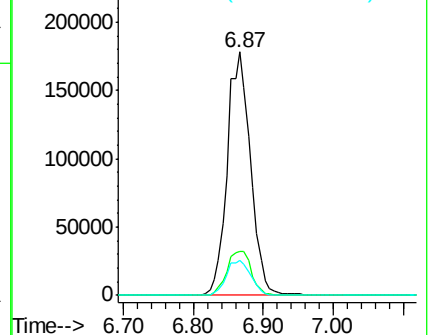
88 14.6 0.0 30.0



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: 49.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

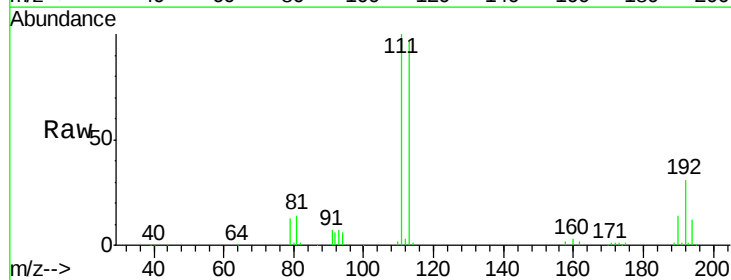
Tgt Ion:113 Resp: 156196

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

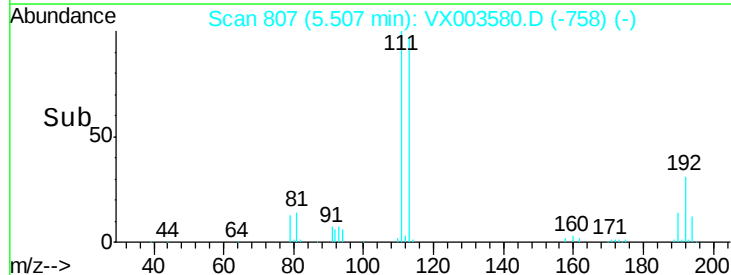
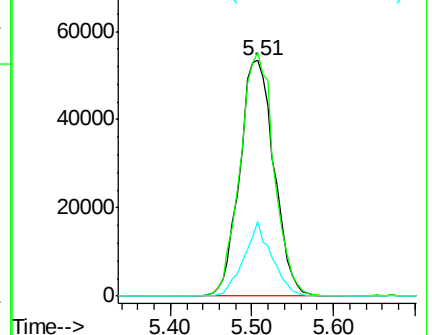
192 25.8 19.1 28.7

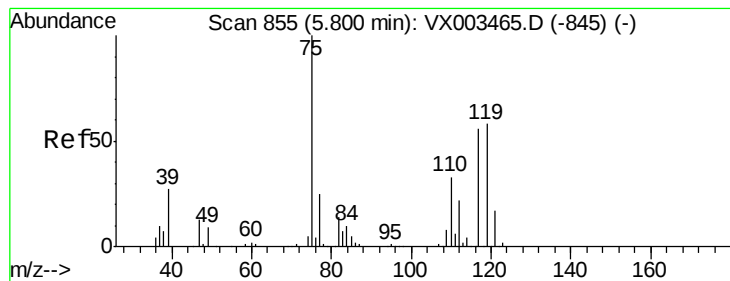


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

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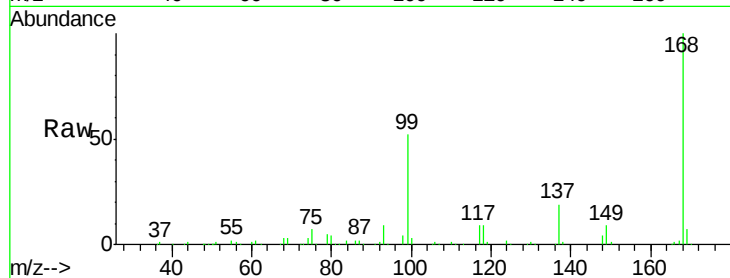
Tot Ion: 75 Resp: 16781

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

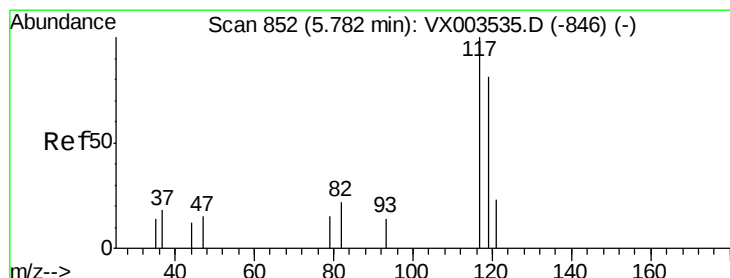
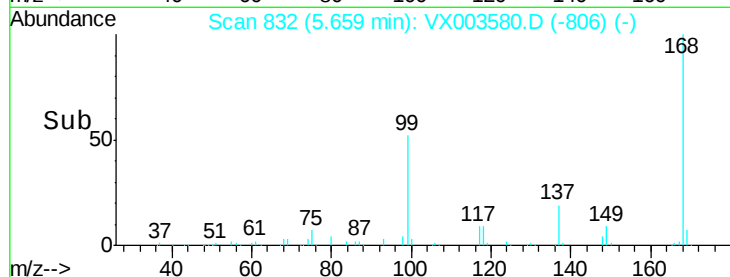
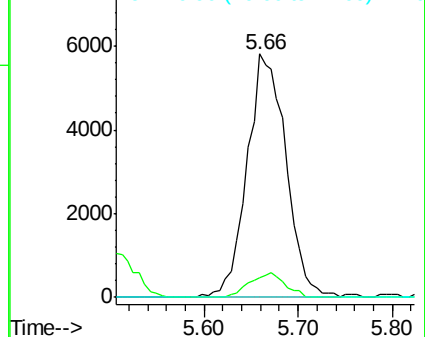
77 0.0 24.3 36.5#



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: 5.45 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

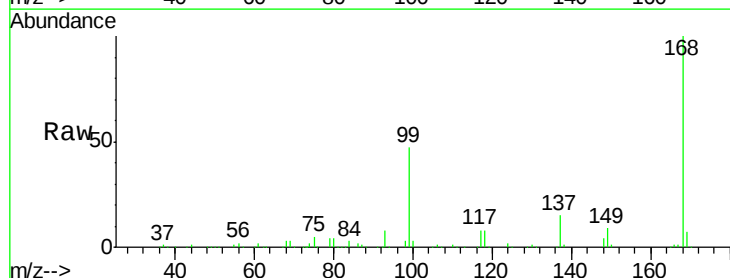
Tgt Ion: 117 Resp: 23823

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

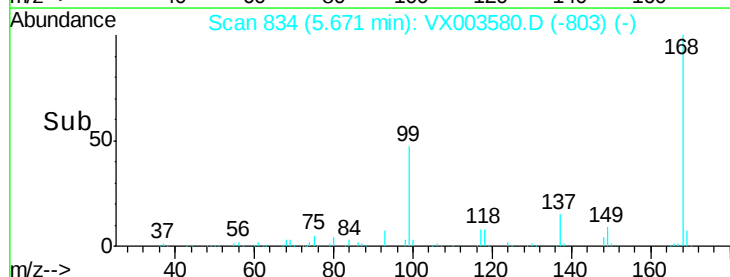
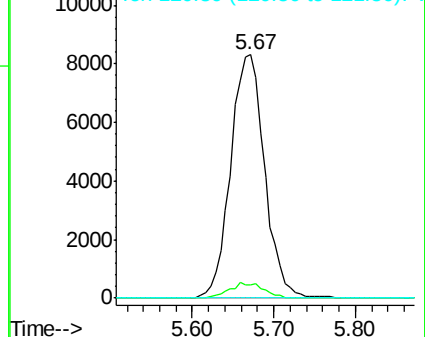
121 0.0 24.4 36.6#

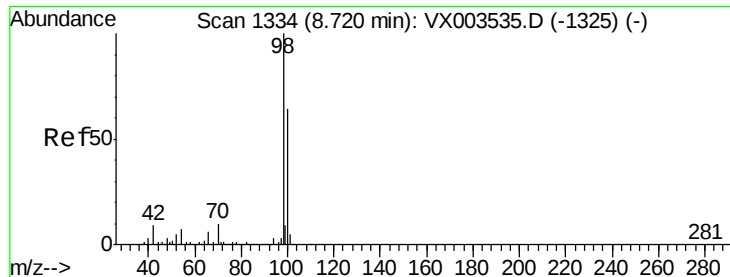


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

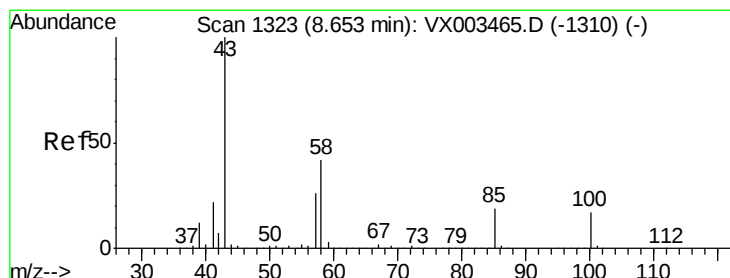
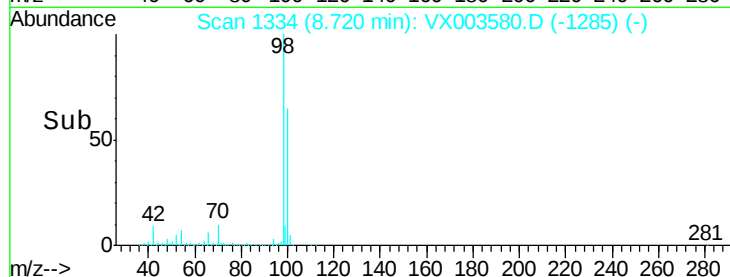
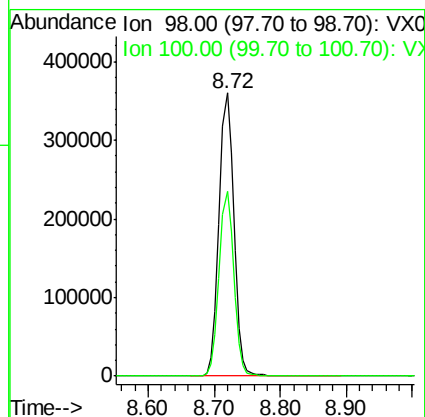
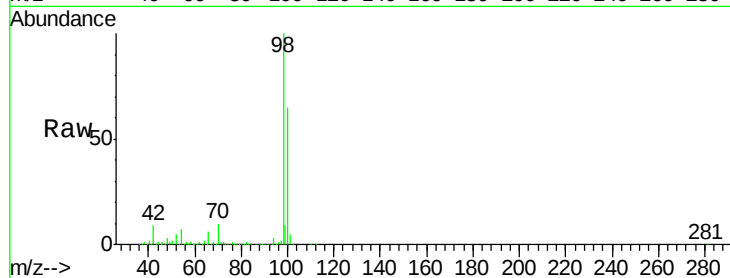
KY030SP001-180716

Tot Ion: 98 Resp: 561190

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003580.D

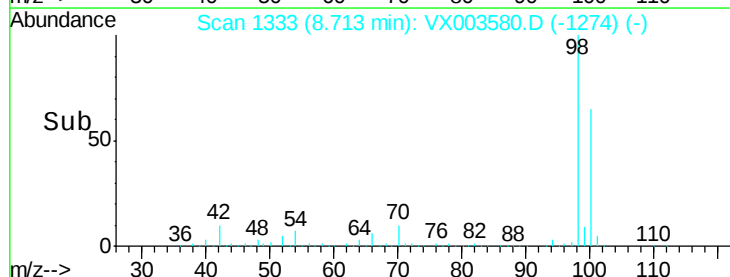
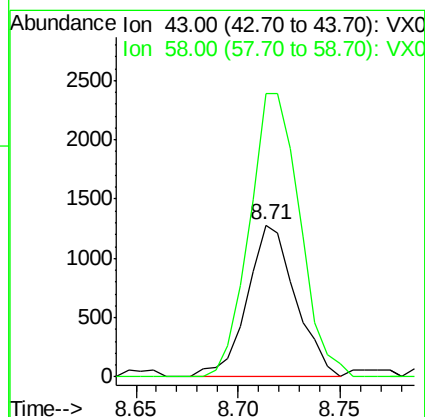
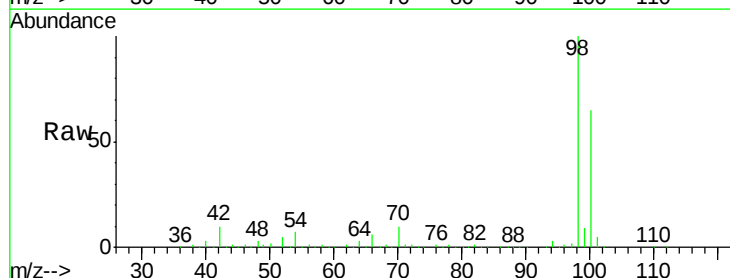
Acq: 22 Jul 2018 03:42

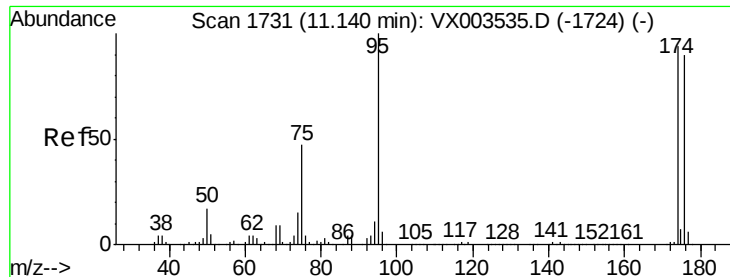
Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

58 194.4 28.6 42.8#

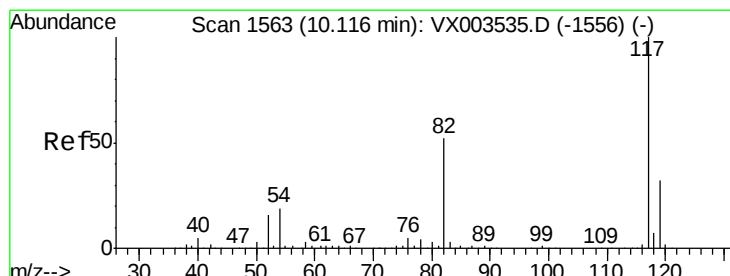
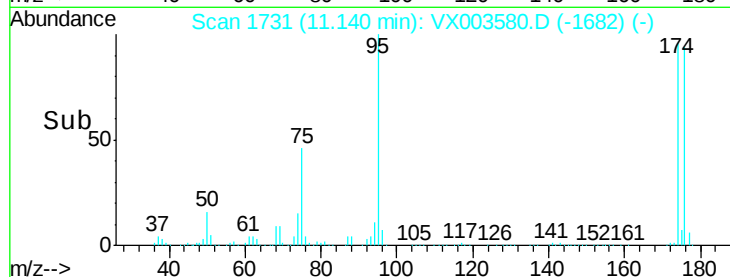
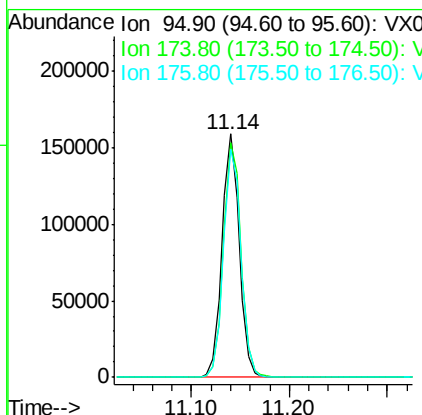
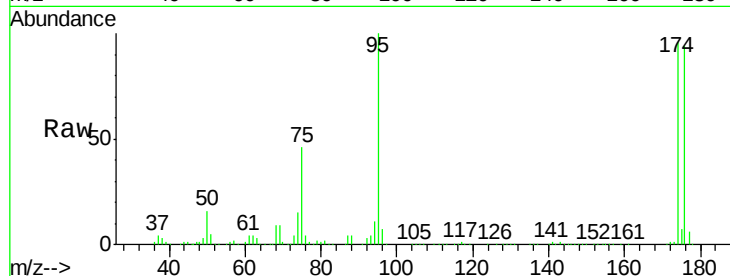




#62
4-Bromofluorobenzene
Concen: 45.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

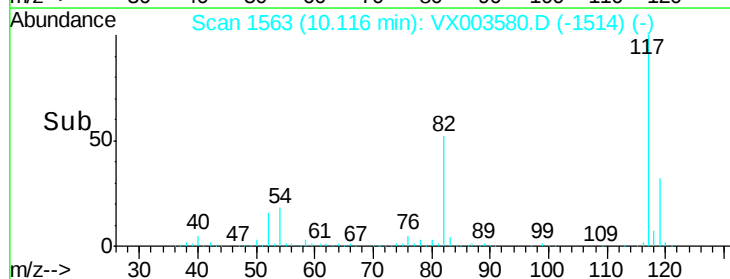
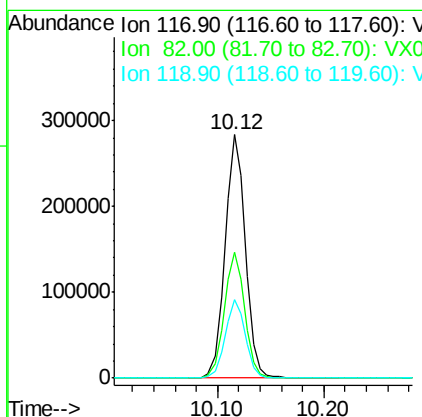
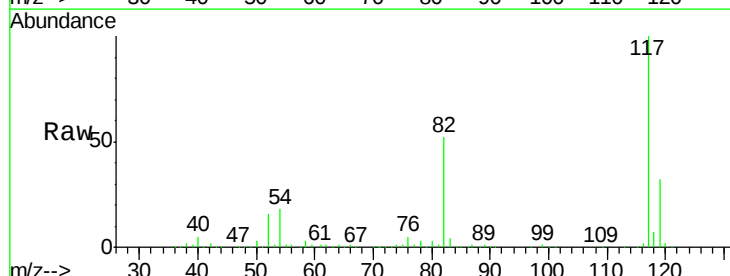
Instrument :
MSVOA_X
ClientSampleId :
KY030SP001-180716

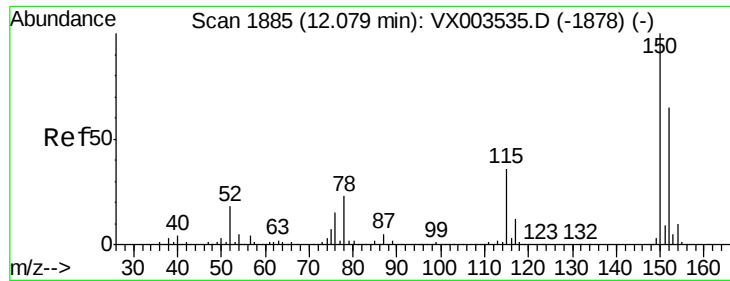
Tot Ion: 95 Resp: 194137
Ion Ratio Lower Upper
95 100
174 98.7 0.0 187.4
176 95.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003580.D
Acq: 22 Jul 2018 03:42

Tgt Ion: 117 Resp: 378011
Ion Ratio Lower Upper
117 100
82 51.6 45.0 67.4
119 32.2 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: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

KY030SP001-180716

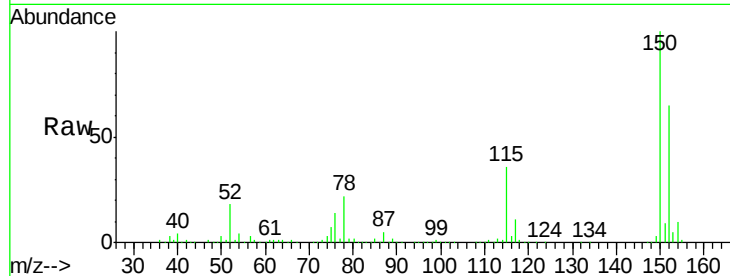
Tot Ion:152 Resp: 213293

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

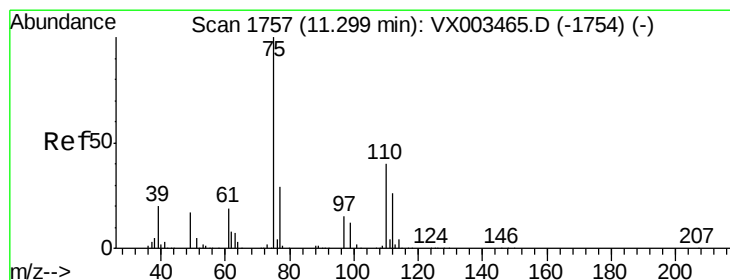
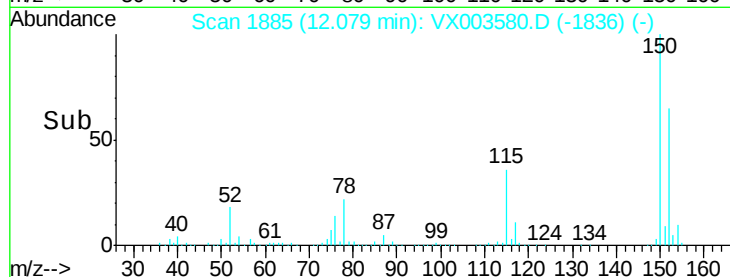
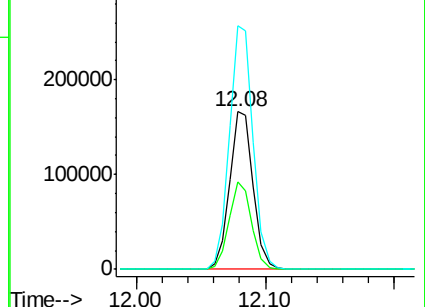
150 155.1 0.0 347.2



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: 23.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003580.D

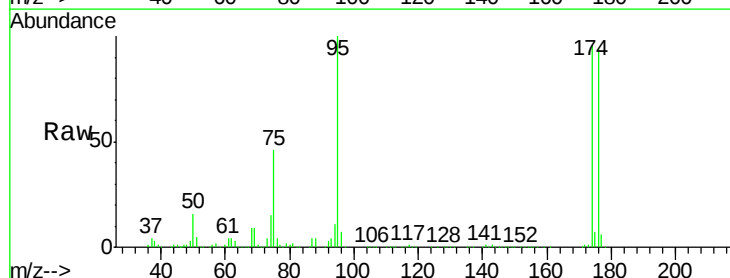
Acq: 22 Jul 2018 03:42

Tgt Ion: 75 Resp: 89252

Ion Ratio Lower Upper

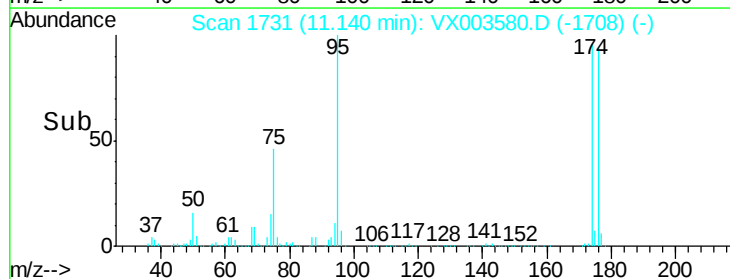
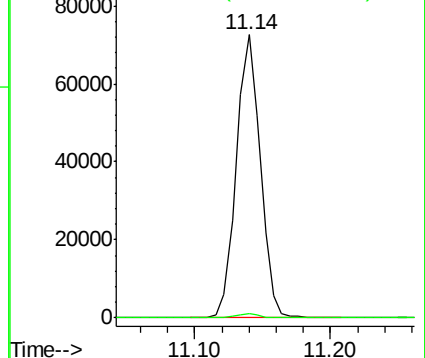
75 100

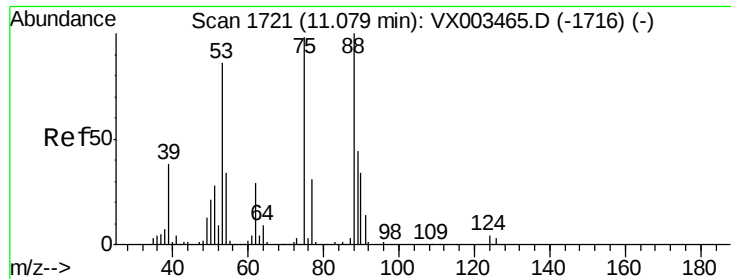
77 1.4 22.8 68.3#



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: 65.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003580.D

Acq: 22 Jul 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

KY030SP001-180716

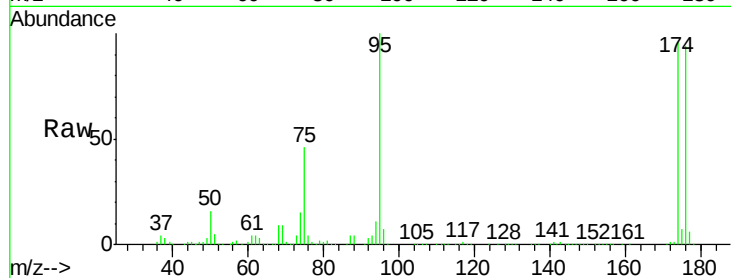
Tot Ion: 75 Resp: 89252

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

