

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003490.D
 Acq On : 20 Jul 2018 03:39
 Operator : JC/SP
 Sample : J3170-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-071118

Quant Time: Jul 20 05:08:40 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	5.67	168	332300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188358	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	5.51	113	185862	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	8.72	98	625202	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.14	95	211058	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	

Target Compounds

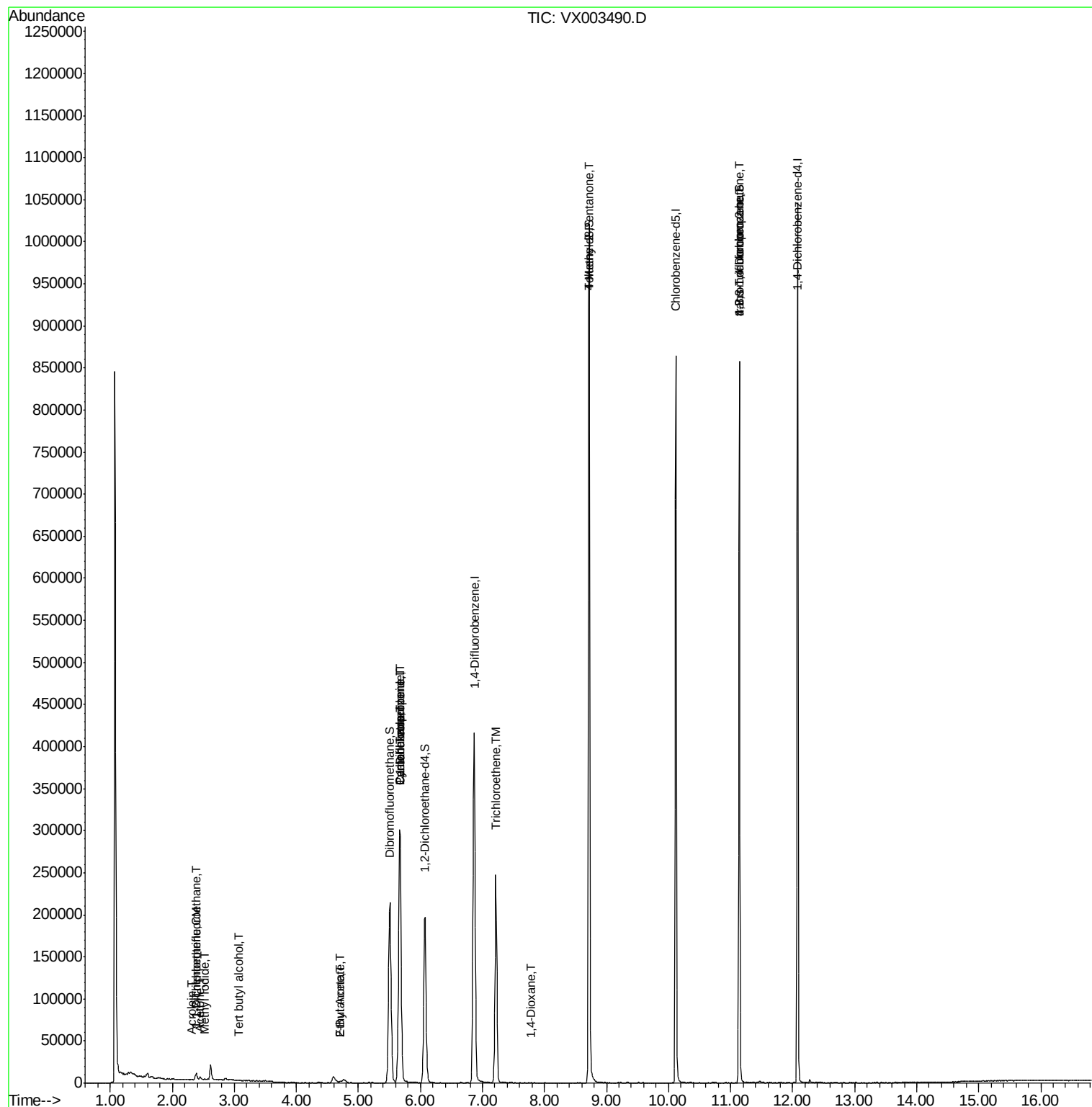
						Qvalue
2) Dichlorodifluoromethane	1.20	85	118	Below Cal	#	43
3) Chloromethane	1.32	50	836	Below Cal		90
5) Bromomethane	1.65	94	734	Below Cal		84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2455	0.67	ug/l	95
10) Methyl Iodide	2.52	142	977	0.22	ug/l #	83
11) Tert butyl alcohol	3.06	59	644	0.83	ug/l	98
12) 1,1-Dichloroethene	2.38	96	718	0.21	ug/l #	83
13) Acrolein	2.31	56	129	0.37	ug/l #	47
16) Acetone	2.45	43	3191	2.15	ug/l #	78
20) Methylene Chloride	2.86	84	769	Below Cal	#	81
25) 2-Butanone	4.71	43	2454	0.98	ug/l	97
31) Cyclohexane	5.66	56	4918	0.83	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19807	4.06	ug/l #	49
37) Ethyl Acetate	4.71	43	2454	0.53	ug/l #	70
38) Carbon Tetrachloride	5.67	117	27194	5.69	ug/l #	16
44) Trichloroethene	7.21	130	102559	23.36	ug/l	99
49) 1,4-Dioxane	7.77	88	26	0.31	ug/l #	1
51) 4-Methyl-2-Pentanone	8.72	43	2465	0.53	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	100374	24.62	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	100374	68.97	ug/l #	7

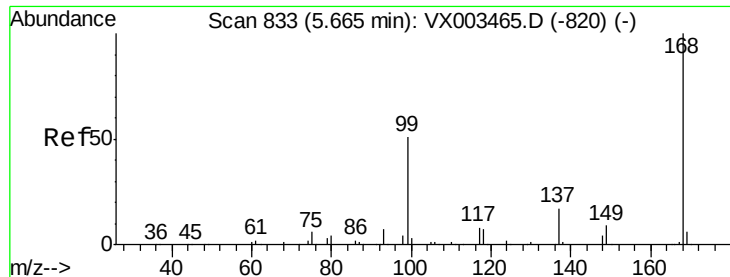
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

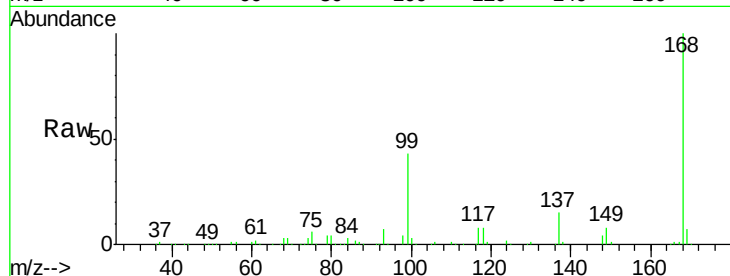
RE120D3-071118

Tot Ion:168 Resp: 332300

Ion Ratio Lower Upper

168 100

99 43.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

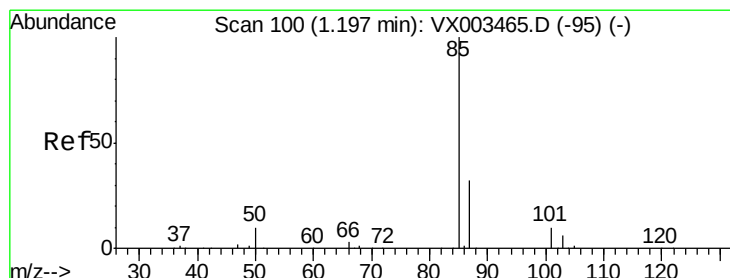
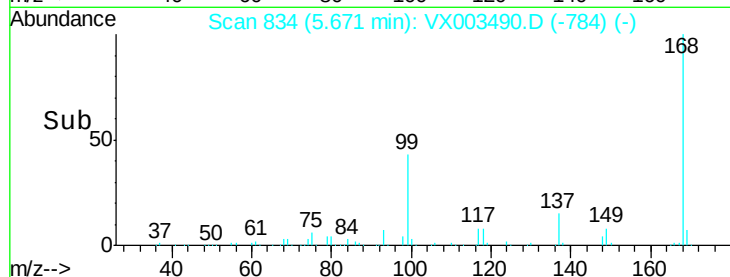
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003490.D

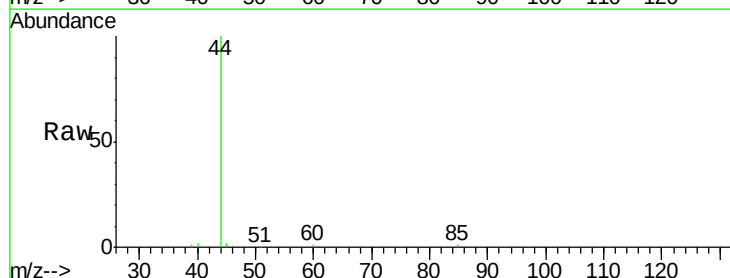
Acq: 20 Jul 2018 03:39

Tgt Ion: 85 Resp: 118

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

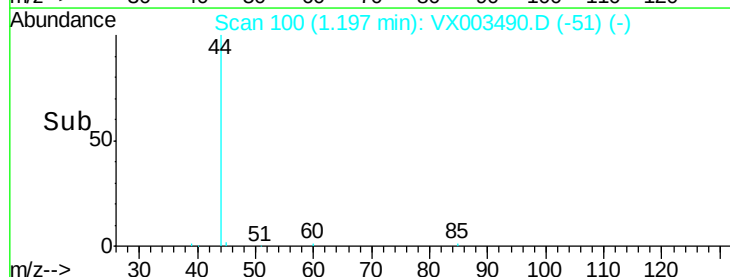
150

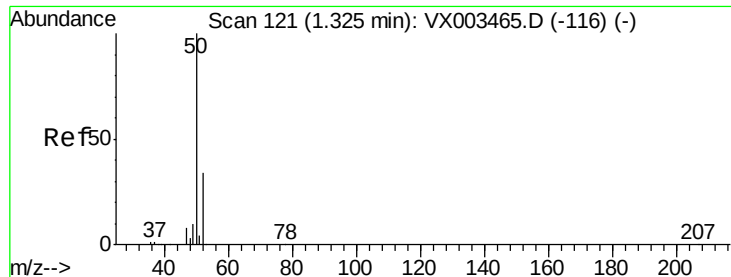
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

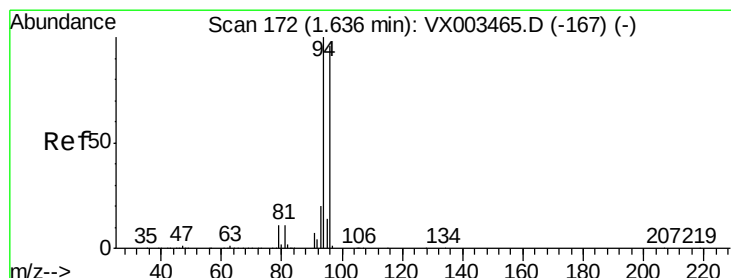
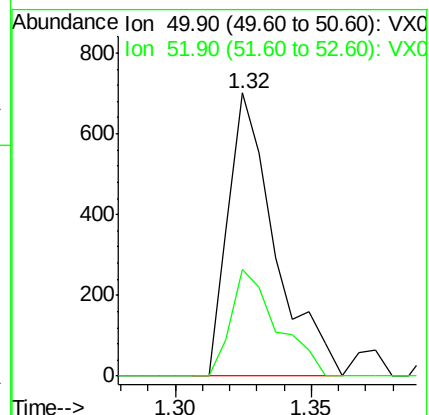
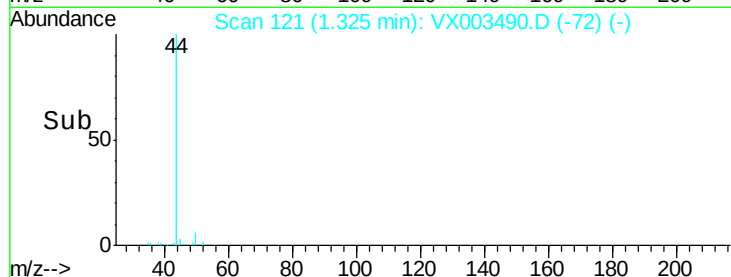
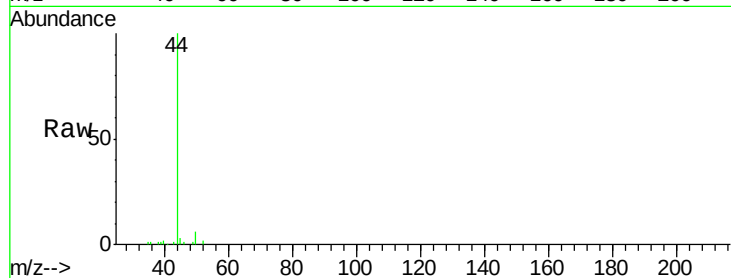
RE120D3-071118

Tot Ion: 50 Resp: 836

Ion Ratio Lower Upper

50 100

52 37.5 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003490.D

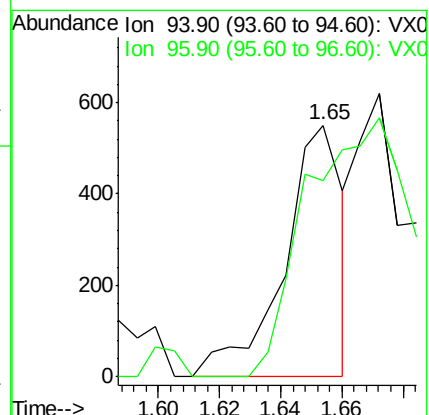
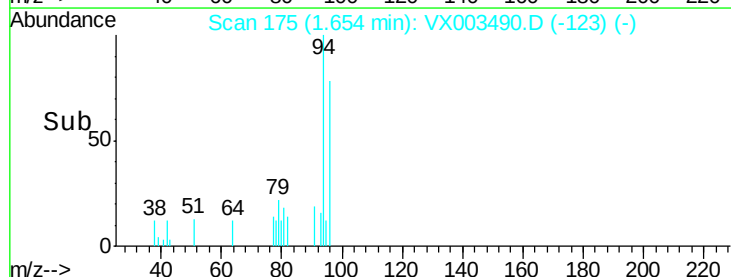
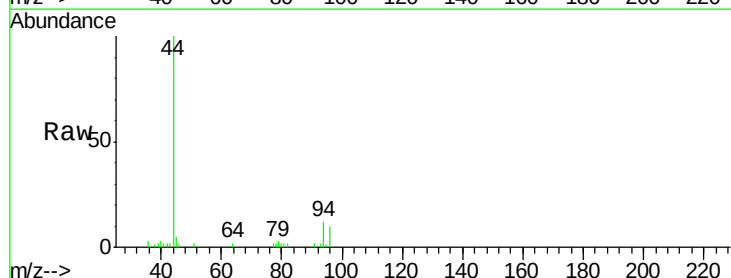
Acq: 20 Jul 2018 03:39

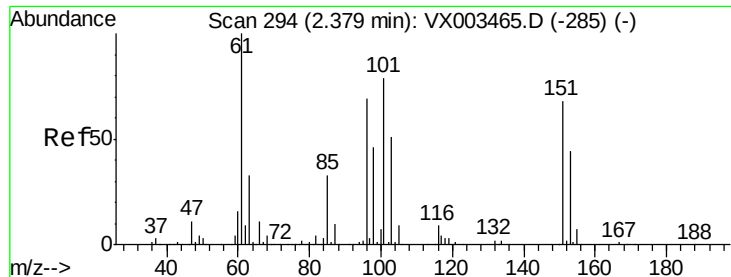
Tgt Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 77.8 74.9 112.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.67 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-071118

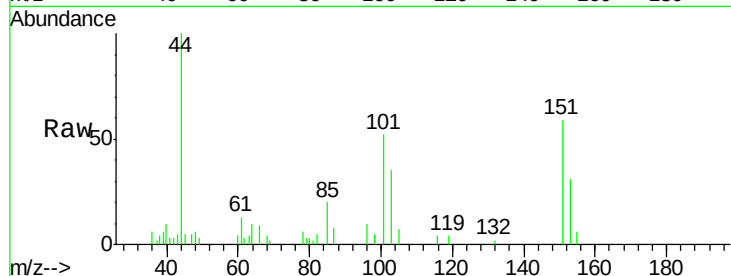
Tot Ion:101 Resp: 2455

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

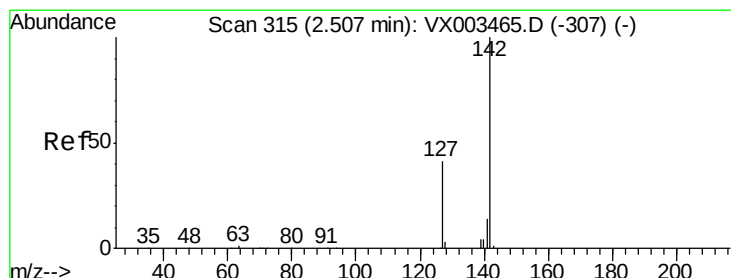
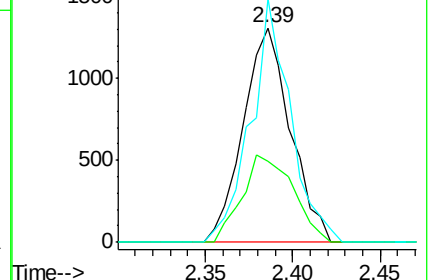
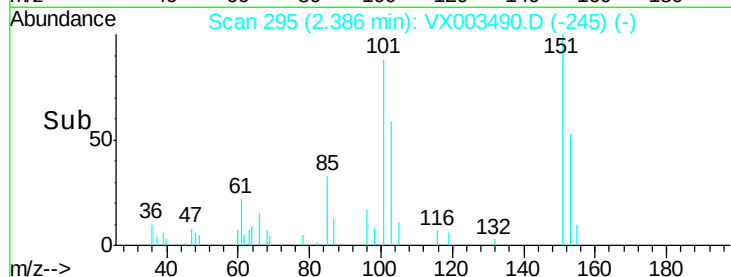
151 95.4 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

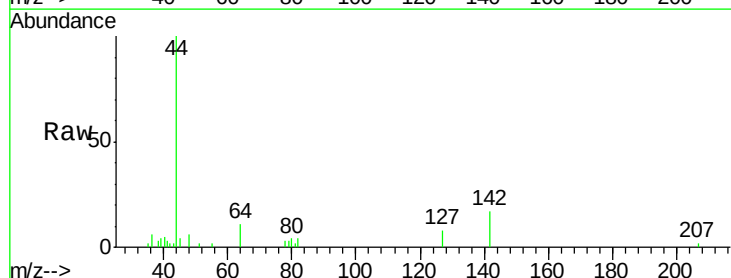
Tgt Ion:142 Resp: 977

Ion Ratio Lower Upper

142 100

127 38.5 36.6 55.0

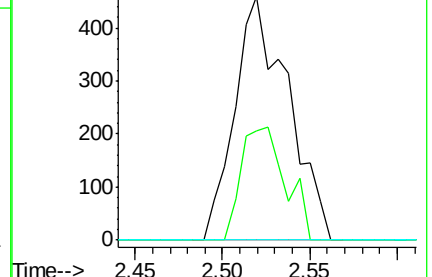
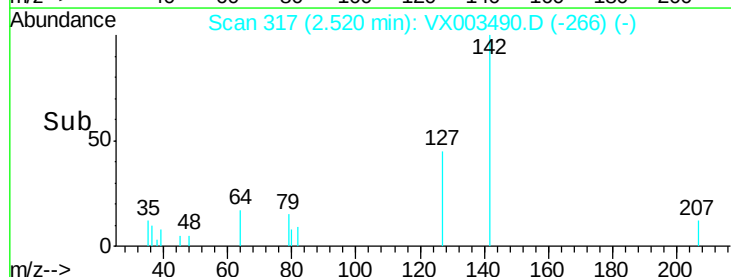
141 0.0 11.3 16.9#

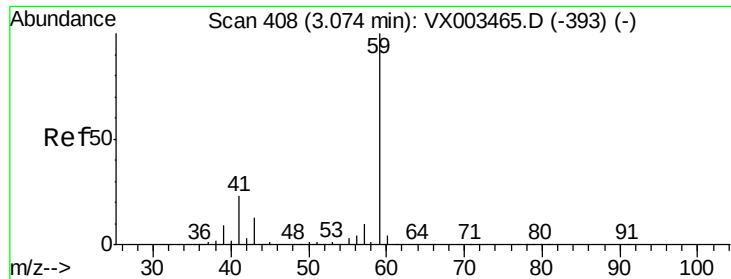


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



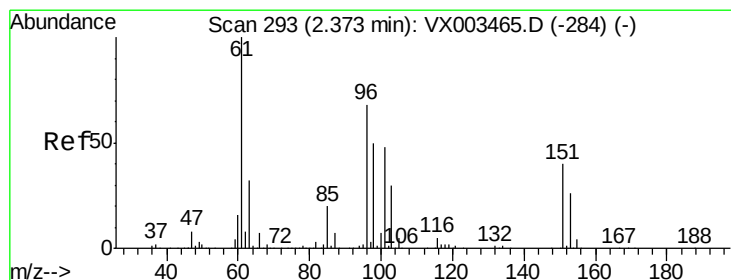
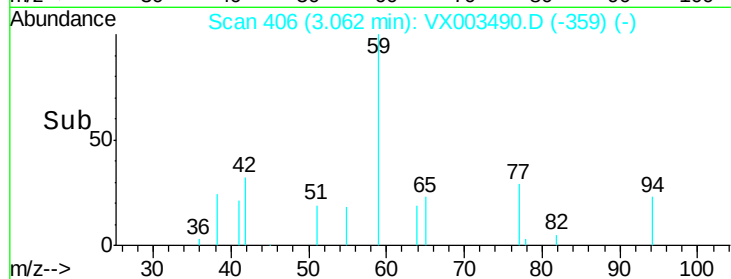
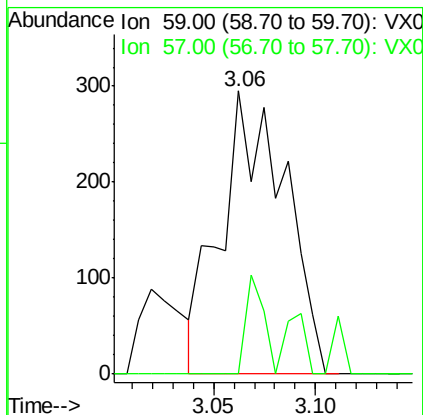
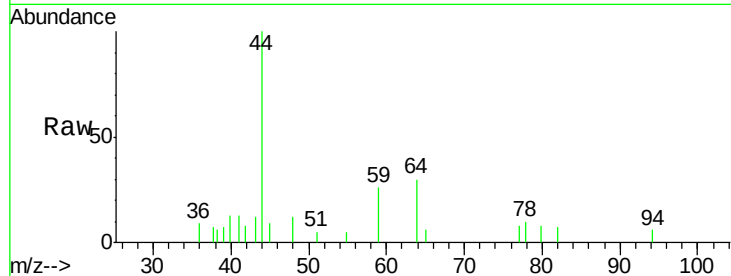


#11

Tert butyl alcohol
 Concen: 0.83 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-071118

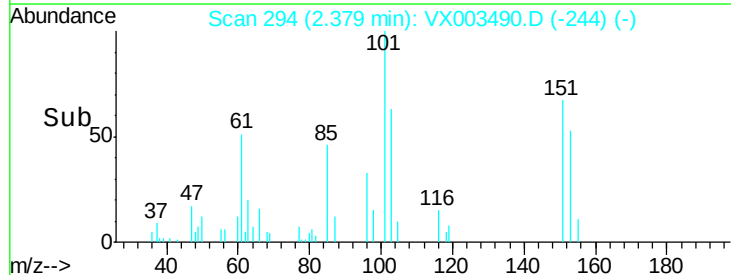
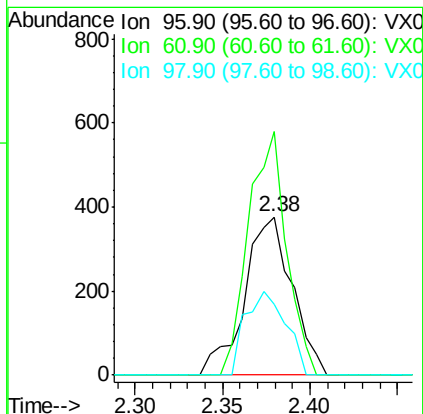
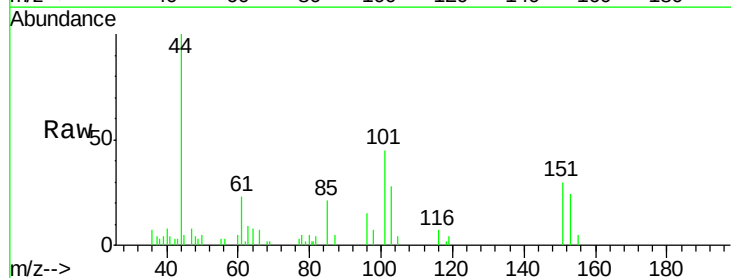
Tot Ion: 59 Resp: 644
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.2

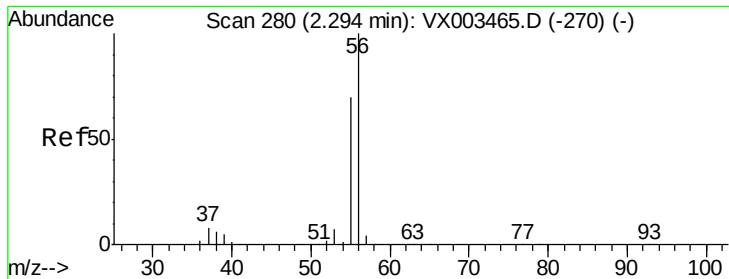


#12

1,1-Dichloroethene
 Concen: 0.21 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

Tgt Ion: 96 Resp: 718
 Ion Ratio Lower Upper
 96 100
 61 153.6 137.9 206.9
 98 45.1 51.6 77.4#





#13

Acrolein

Concen: 0.37 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

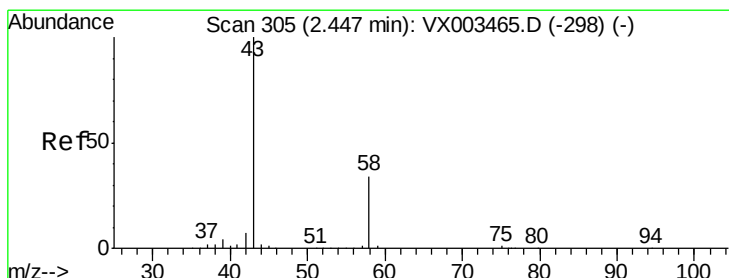
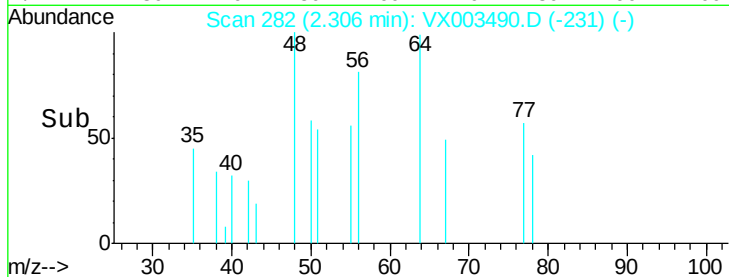
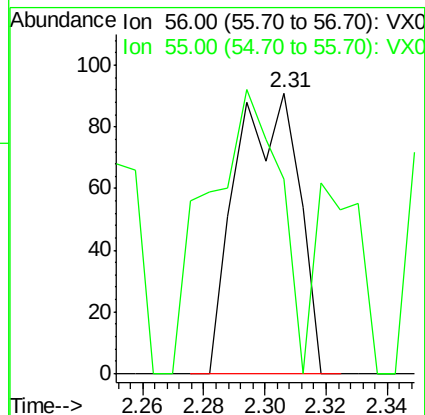
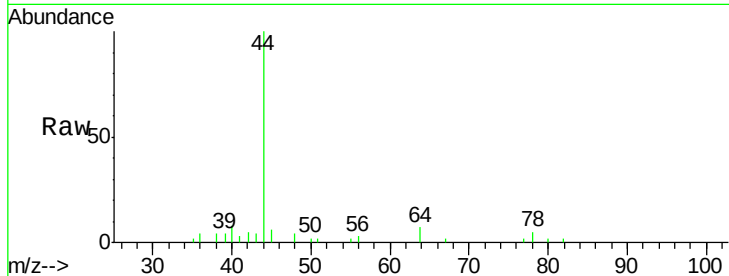
RE120D3-071118

Tot Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 114.7 57.0 85.4#



#16

Acetone

Concen: 2.15 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003490.D

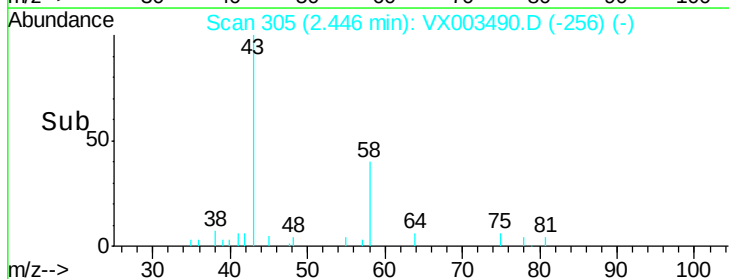
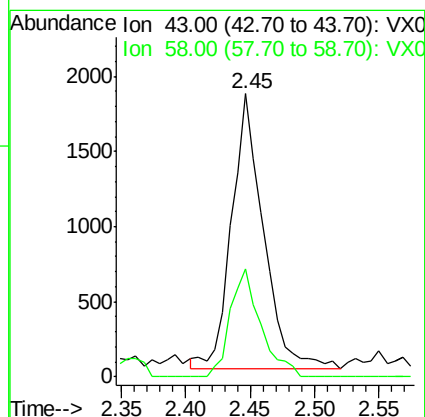
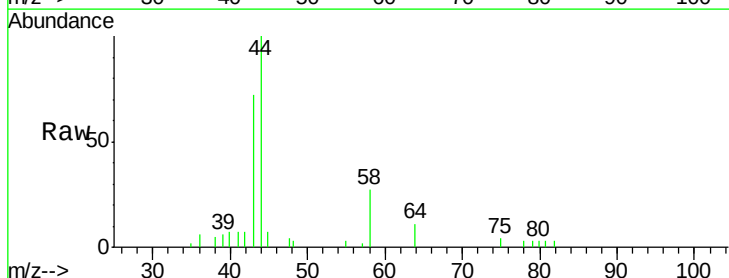
Acq: 20 Jul 2018 03:39

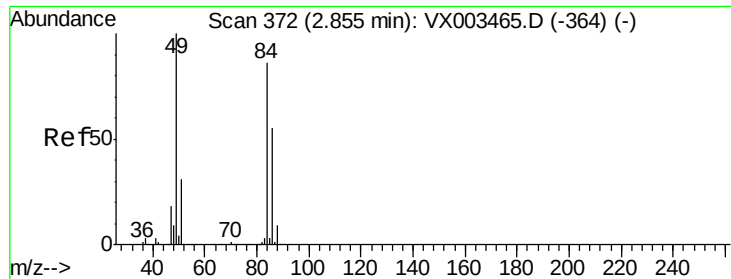
Tgt Ion: 43 Resp: 3191

Ion Ratio Lower Upper

43 100

58 39.0 22.1 33.1#

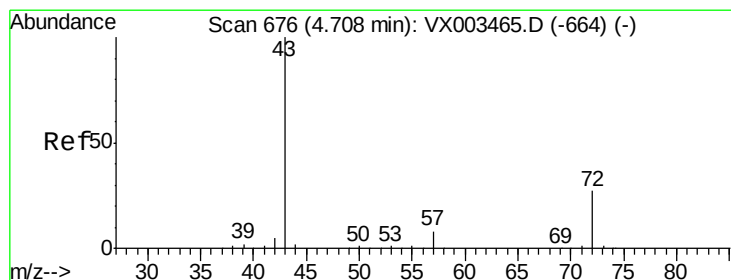
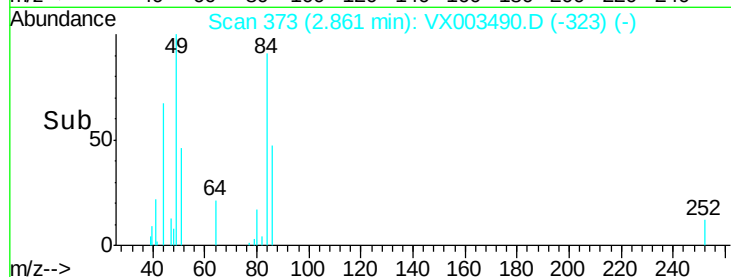
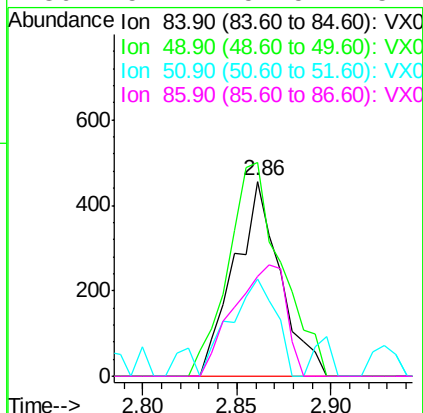
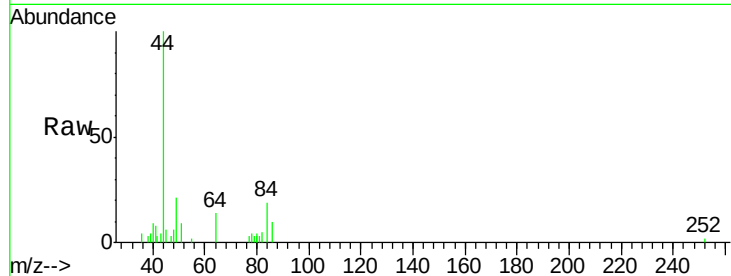




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003490.D
Acq: 20 Jul 2018 03:39

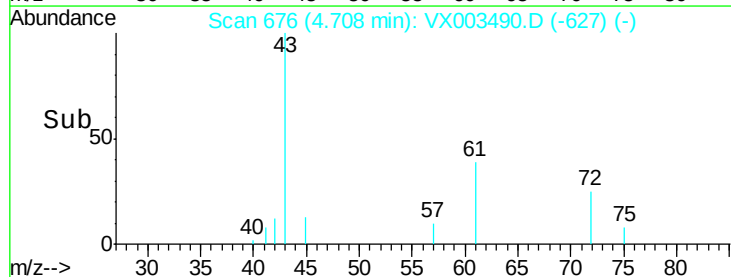
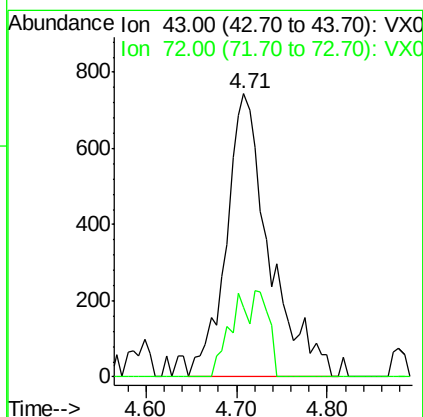
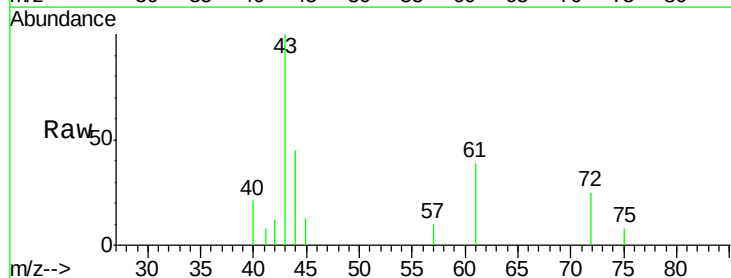
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-071118

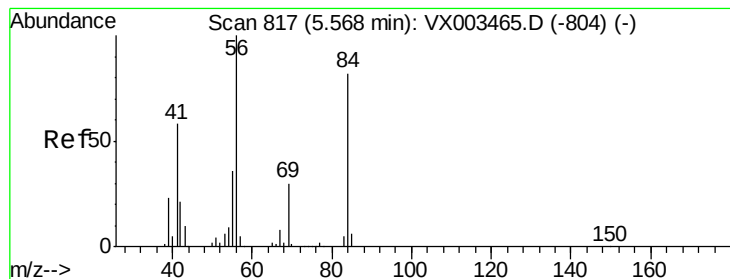
Tot Ion: 84 Resp: 769
Ion Ratio Lower Upper
84 100
49 109.4 107.8 161.6
51 49.9 32.8 49.2#
86 51.2 52.5 78.7#



#25
2-Butanone
Concen: 0.98 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX003490.D
Acq: 20 Jul 2018 03:39

Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
72 24.8 18.5 27.7





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-071118

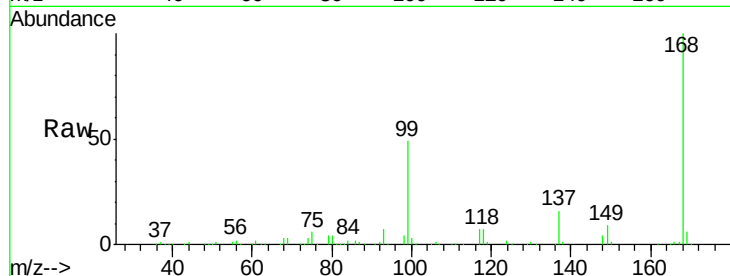
Tot Ion: 56 Resp: 4918

Ion Ratio Lower Upper

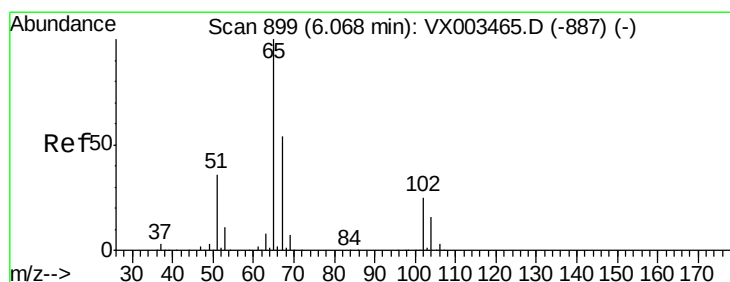
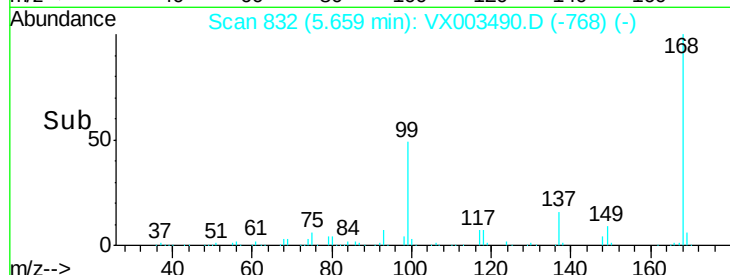
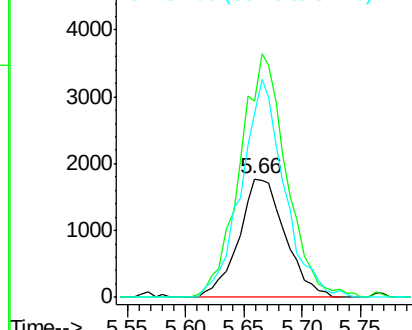
56 100

69 166.4 23.7 35.5#

84 154.6 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: 47.89 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003490.D

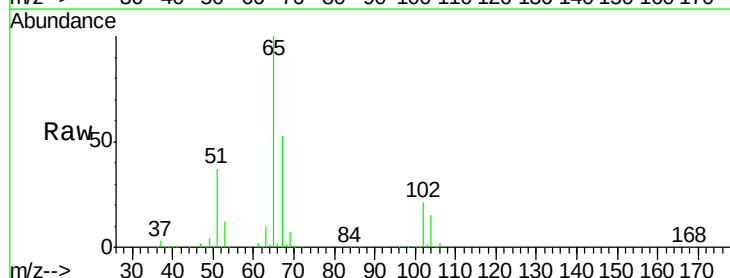
Acq: 20 Jul 2018 03:39

Tgt Ion: 65 Resp: 188358

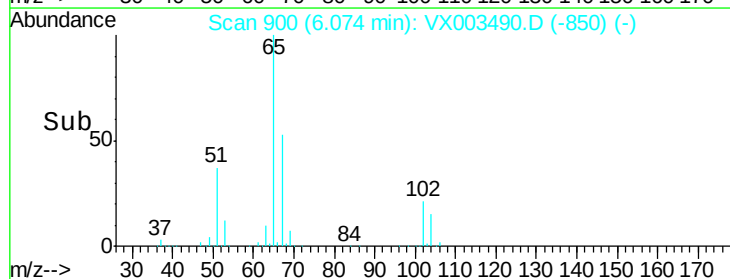
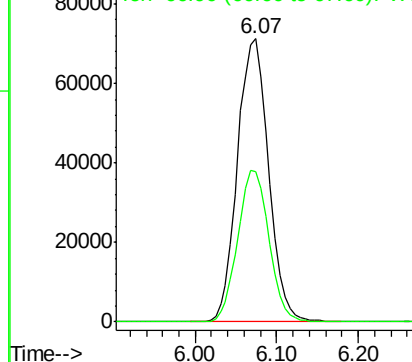
Ion Ratio Lower Upper

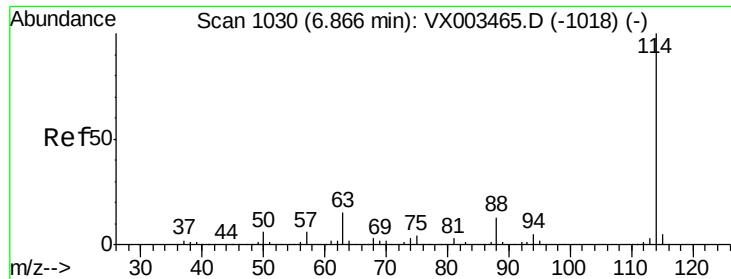
65 100

67 54.0 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: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-071118

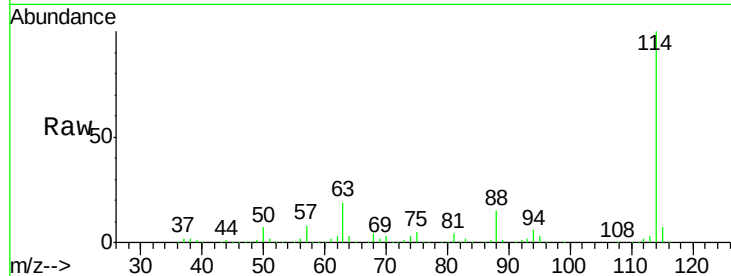
Tot Ion:114 Resp: 451651

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

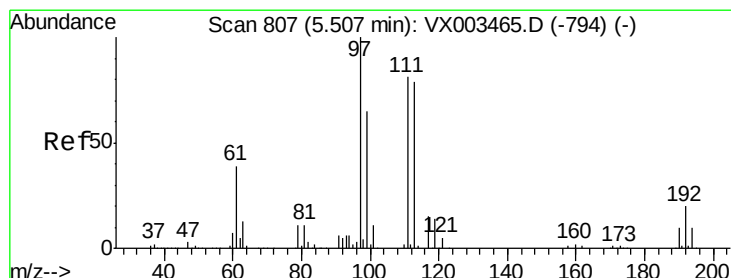
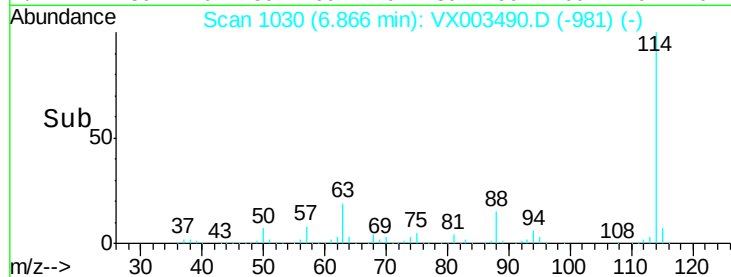
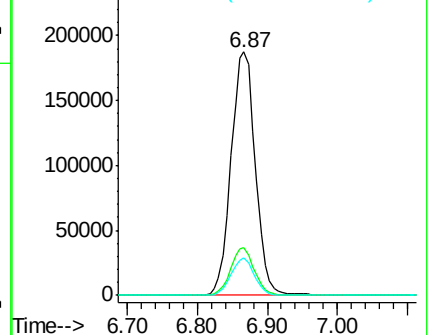
88 15.2 0.0 30.0



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: 54.03 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

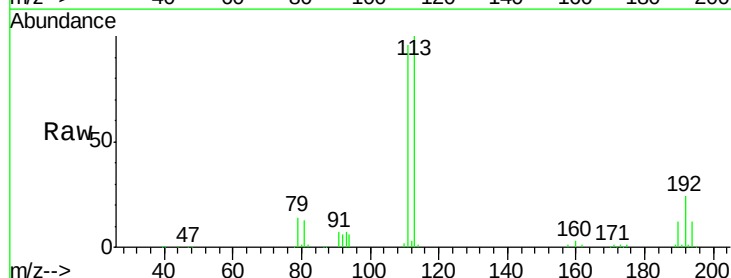
Tgt Ion:113 Resp: 185862

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

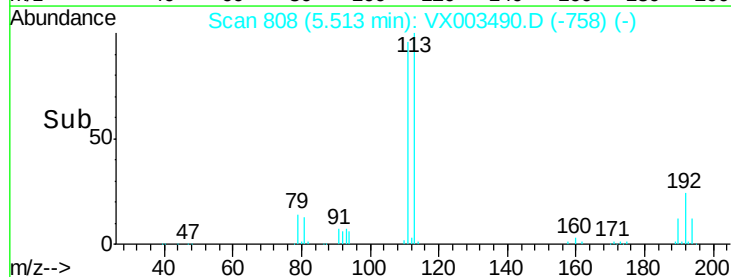
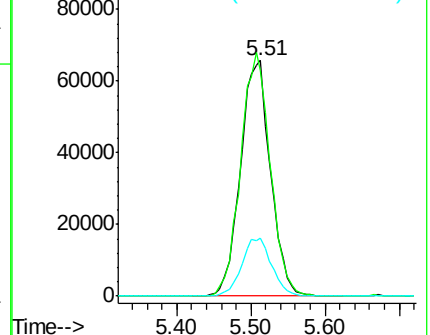
192 24.5 19.1 28.7

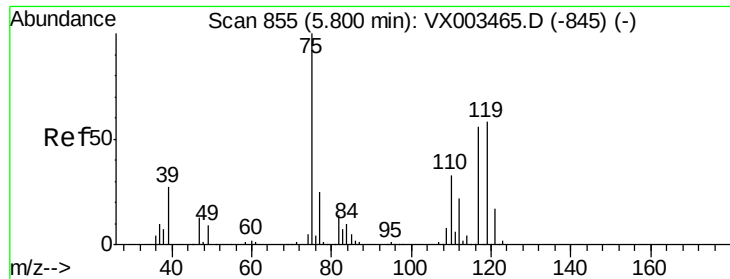


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

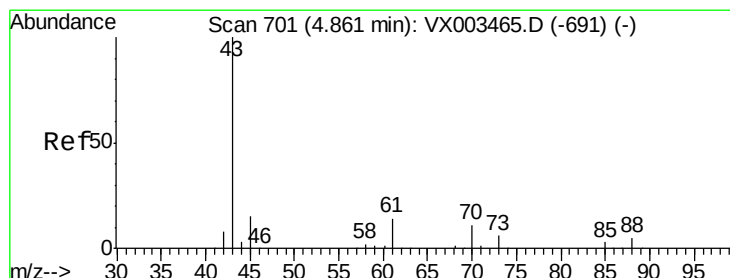
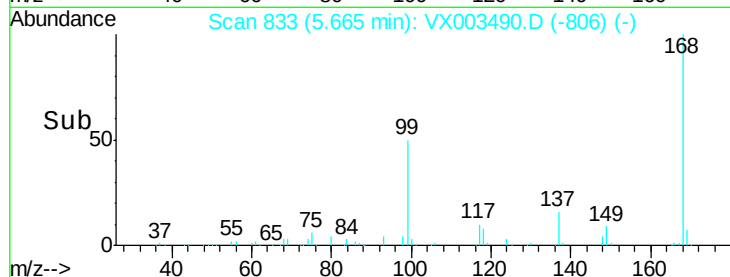
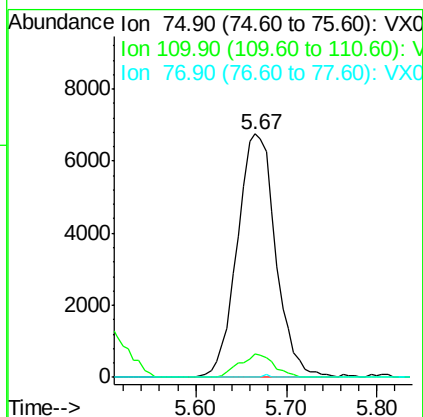
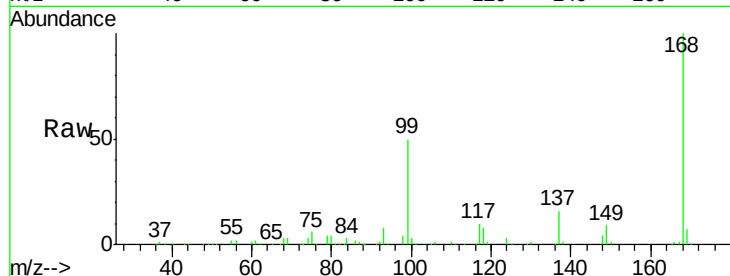




#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

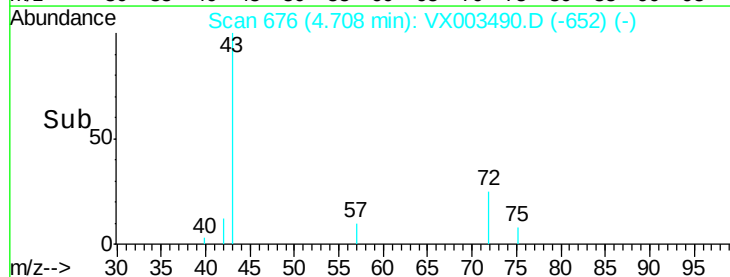
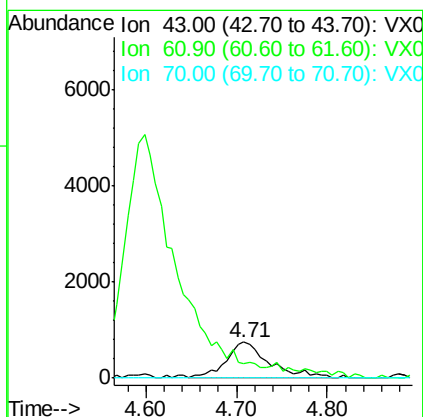
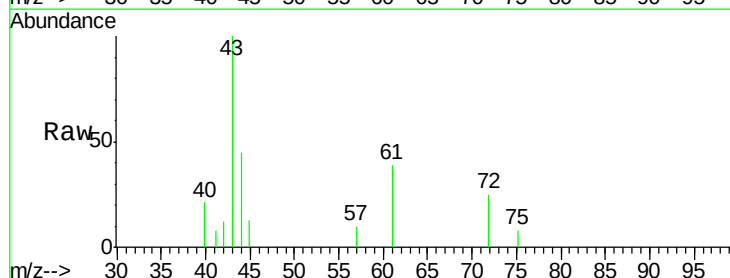
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-071118

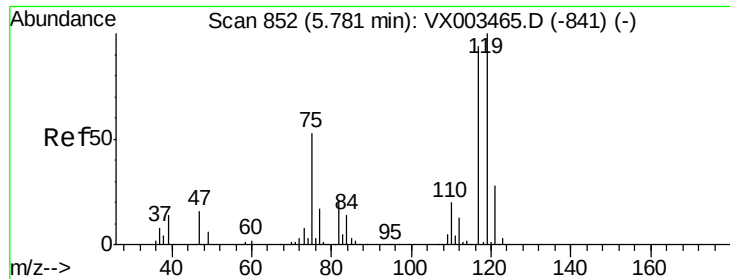
Tot Ion: 75 Resp: 19807
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.1 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 0.53 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

Tgt Ion: 43 Resp: 2454
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 5.69 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-071118

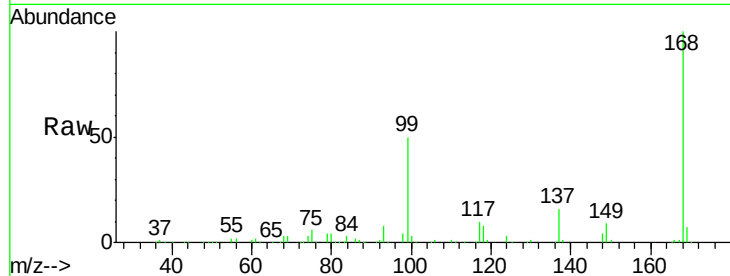
Tot Ion:117 Resp: 27194

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

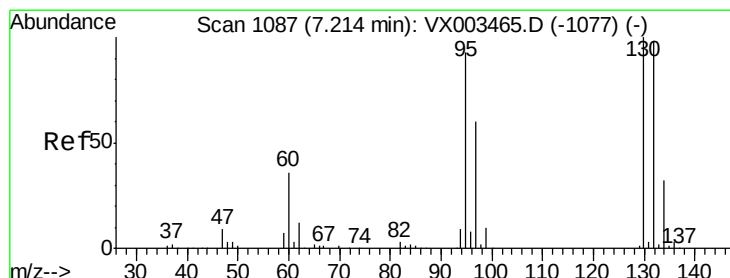
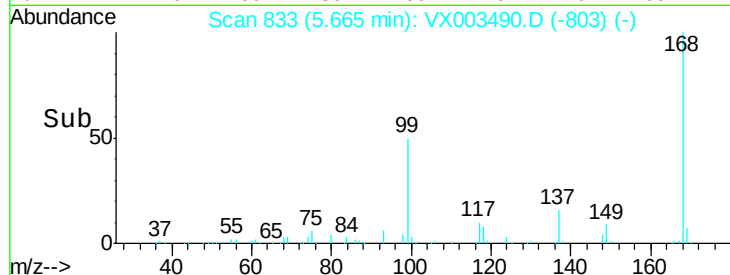
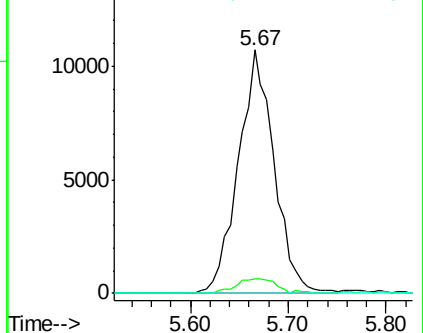
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 23.36 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003490.D

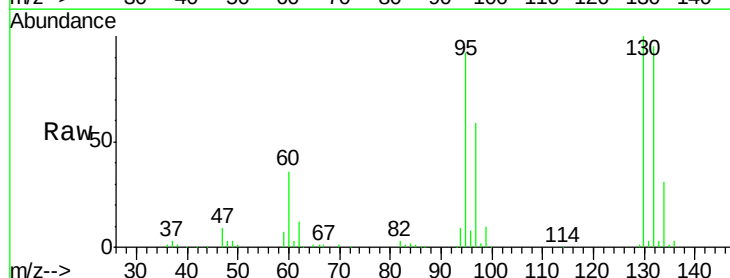
Acq: 20 Jul 2018 03:39

Tgt Ion:130 Resp: 102559

Ion Ratio Lower Upper

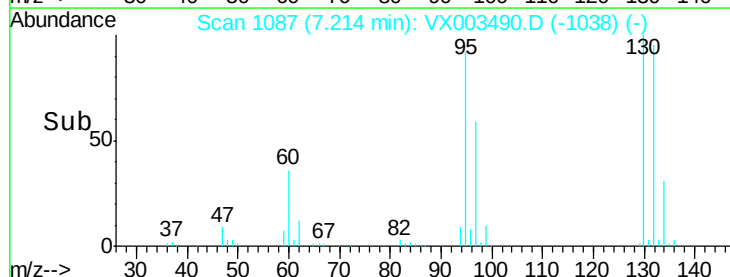
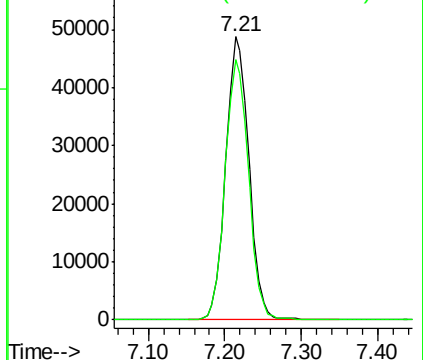
130 100

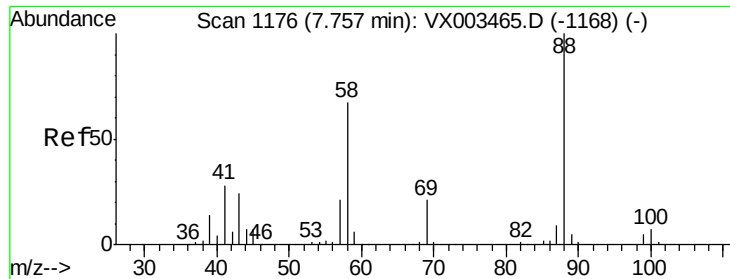
95 92.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

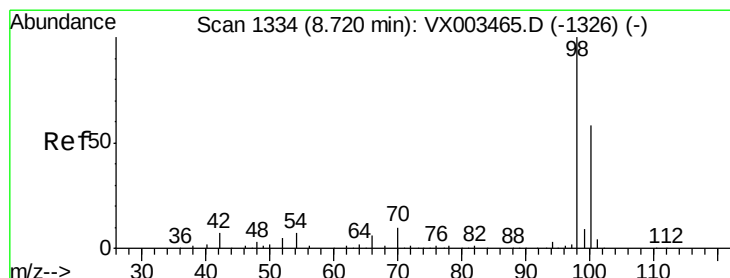
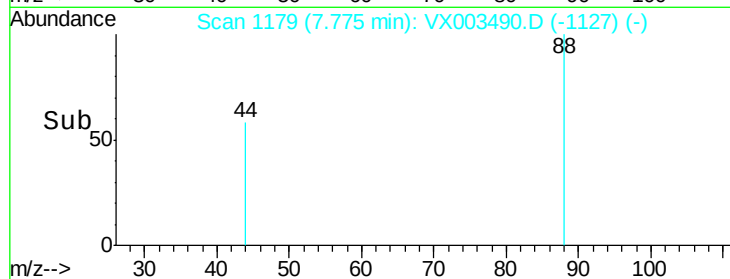
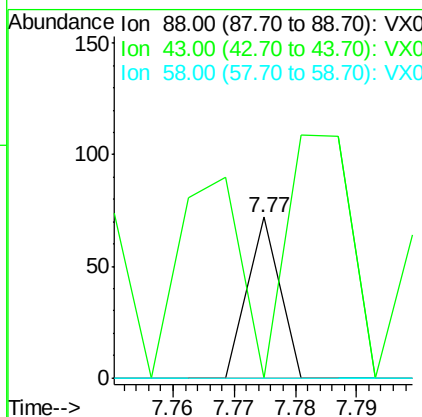
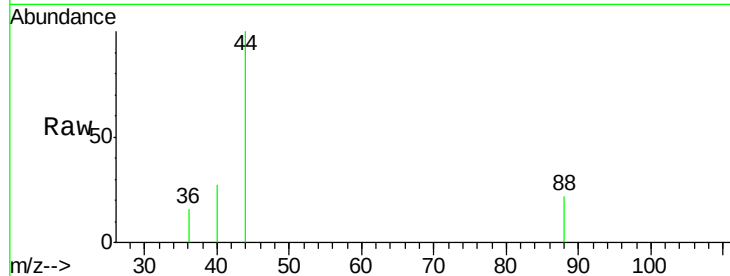




#49
 1,4-Dioxane
 Concen: 0.31 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

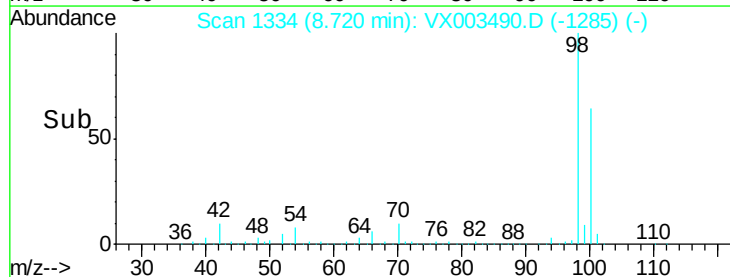
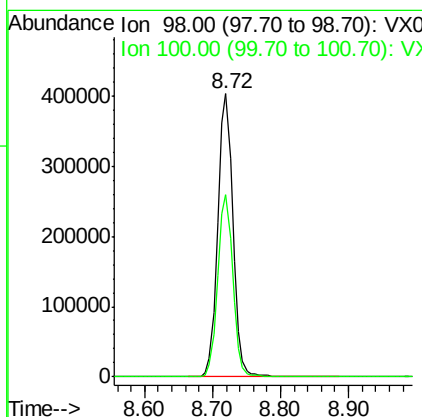
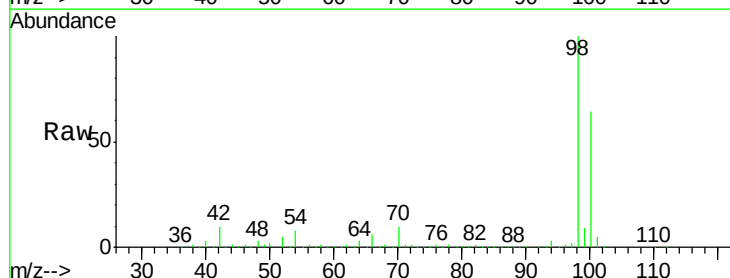
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-071118

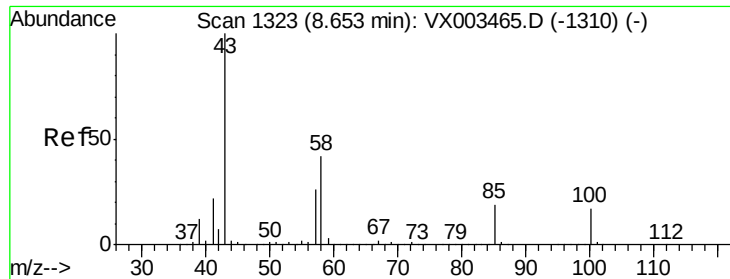
Tot Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 396.2 29.8 44.6#
 58 0.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 48.35 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003490.D
 Acq: 20 Jul 2018 03:39

Tgt Ion: 98 Resp: 625202
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

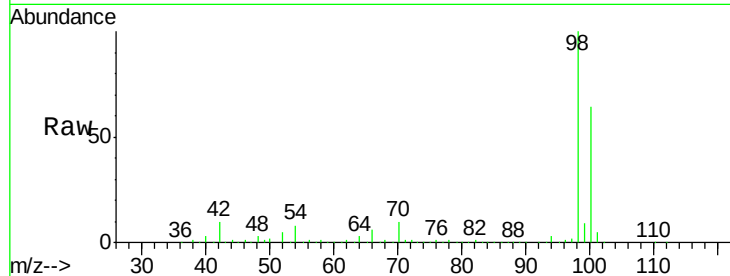
RE120D3-071118

Tot Ion: 43 Resp: 2465

Ion Ratio Lower Upper

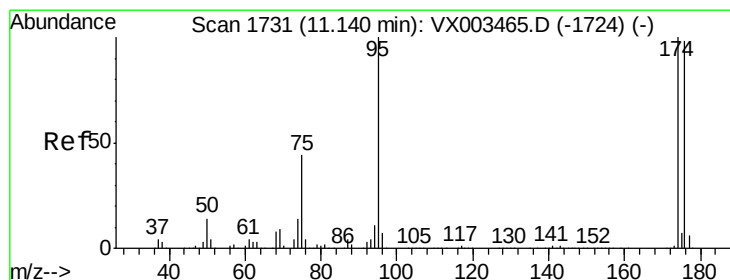
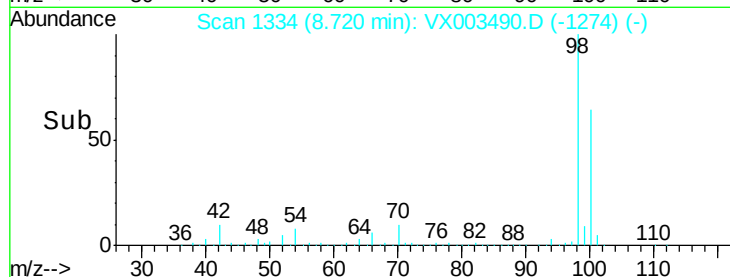
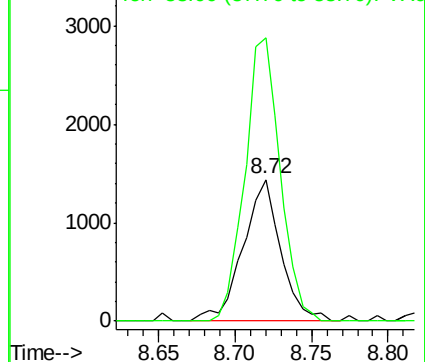
43 100

58 186.7 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

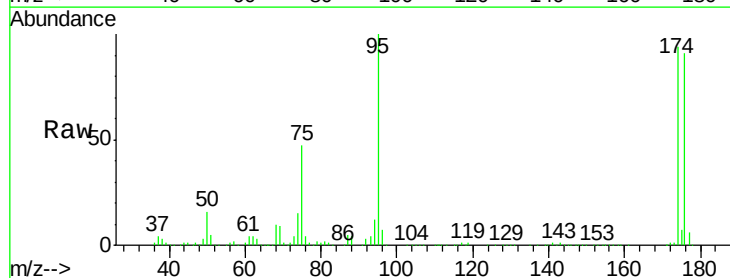
Tgt Ion: 95 Resp: 211058

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

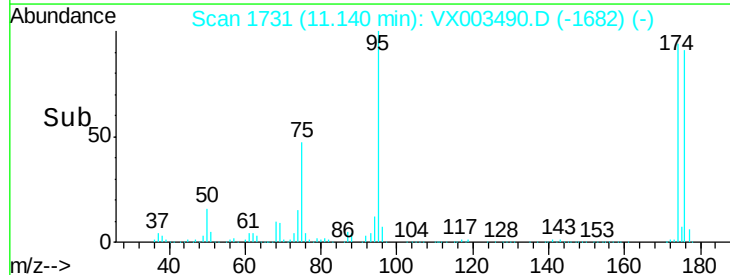
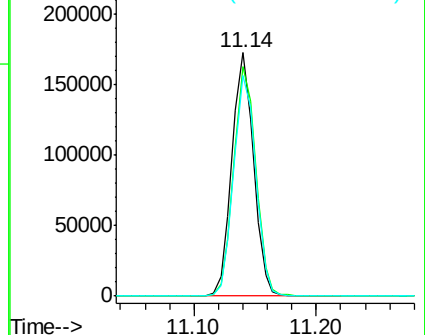
176 92.7 0.0 181.0

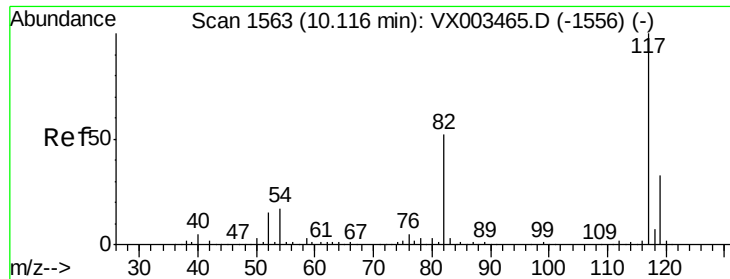


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

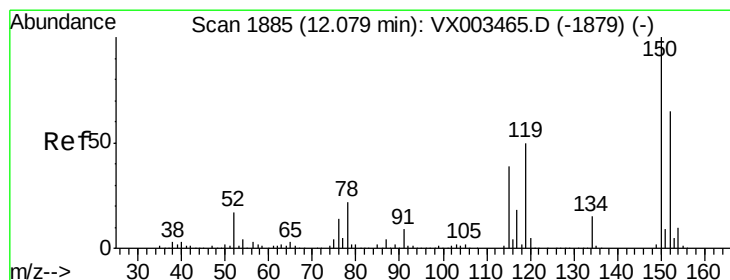
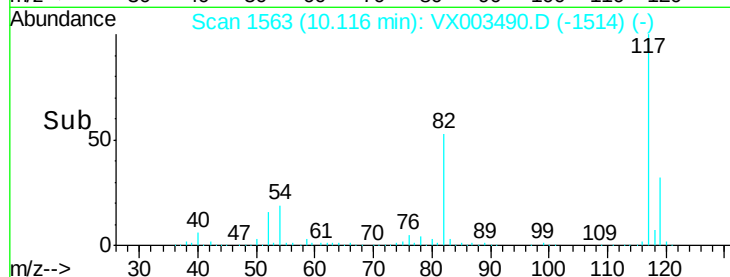
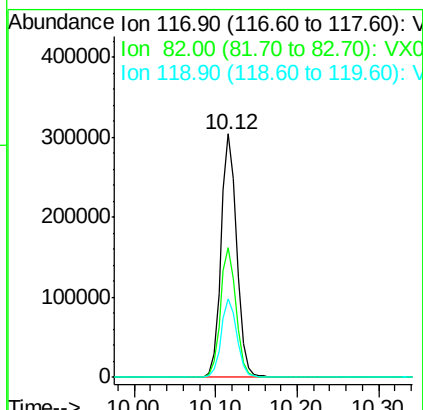
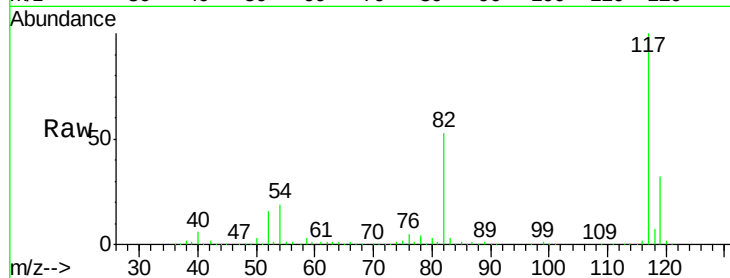




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003490.D
Acq: 20 Jul 2018 03:39

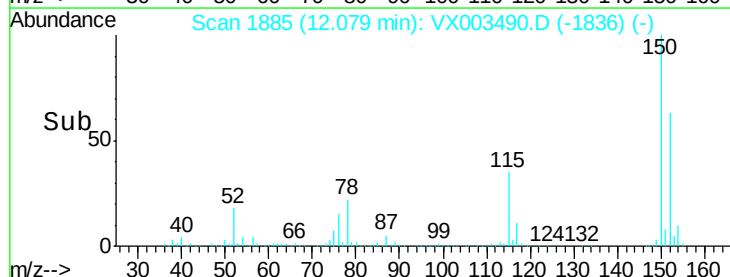
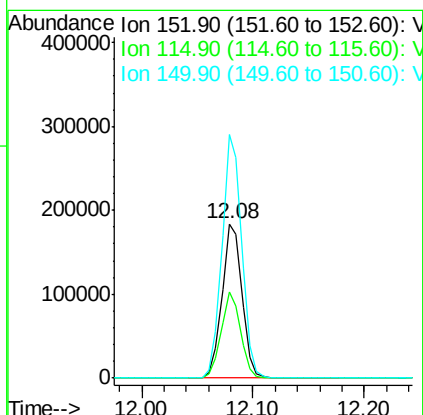
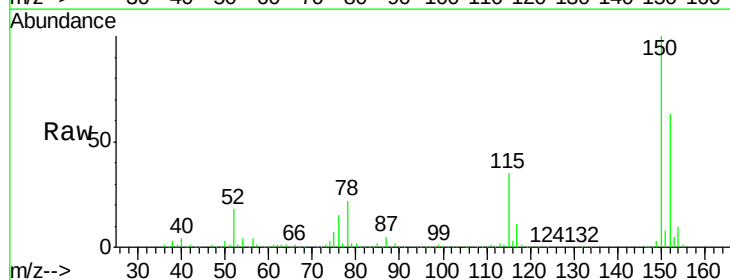
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-071118

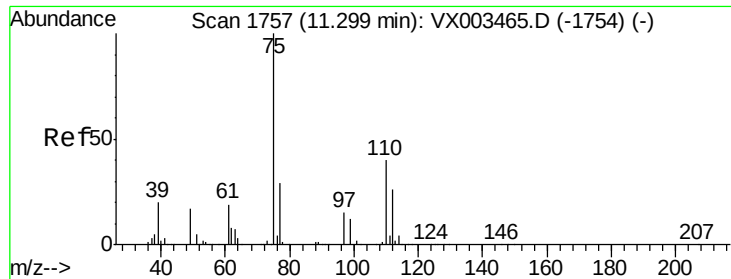
Tot Ion:117 Resp: 409148
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003490.D
Acq: 20 Jul 2018 03:39

Tgt Ion:152 Resp: 226983
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 156.9 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

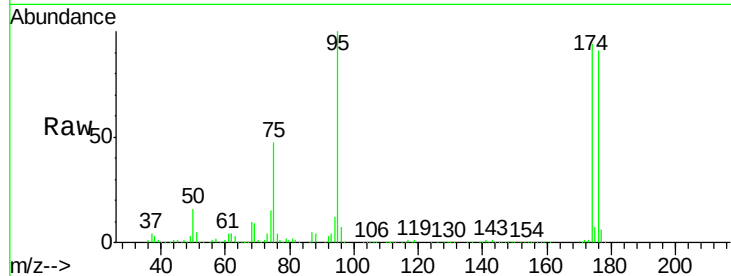
RE120D3-071118

Tot Ion: 75 Resp: 100374

Ion Ratio Lower Upper

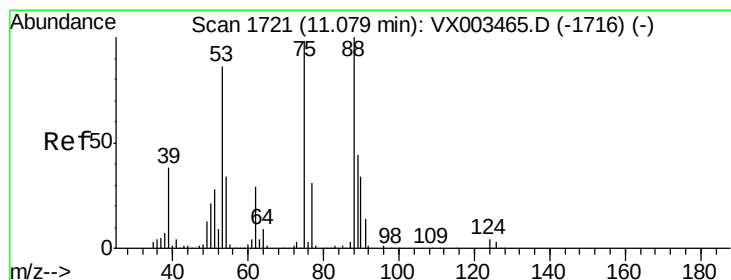
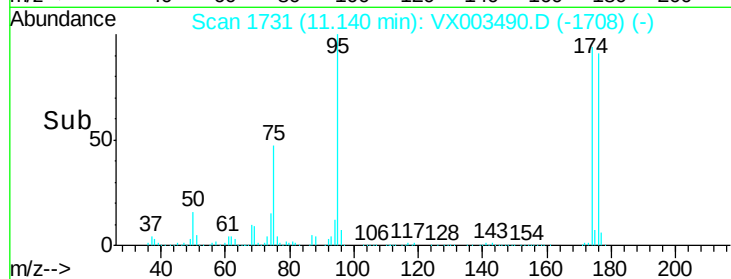
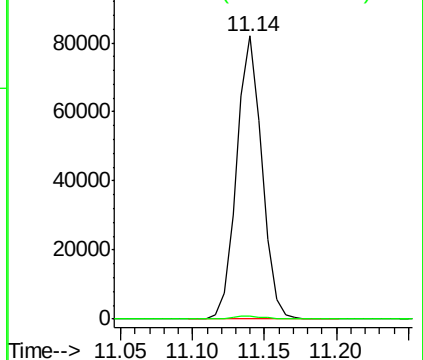
75 100

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: 68.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003490.D

Acq: 20 Jul 2018 03:39

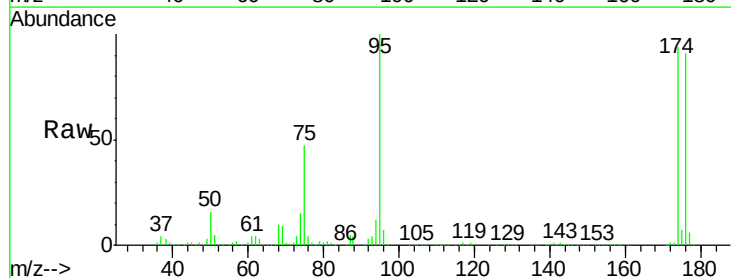
Tgt Ion: 75 Resp: 100374

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

