

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005491.D
 Acq On : 23 Oct 2018 01:26
 Operator : JC/MD
 Sample : VX1022WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL02

Quant Time: Oct 23 03:35:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	325394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145223	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	144151	59.47	ug/l	0.00
Spiked Amount			Recovery	=	118.94%	
35) Dibromofluoromethane	5.51	113	112954	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	8.71	98	394381	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	11.14	95	130003	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

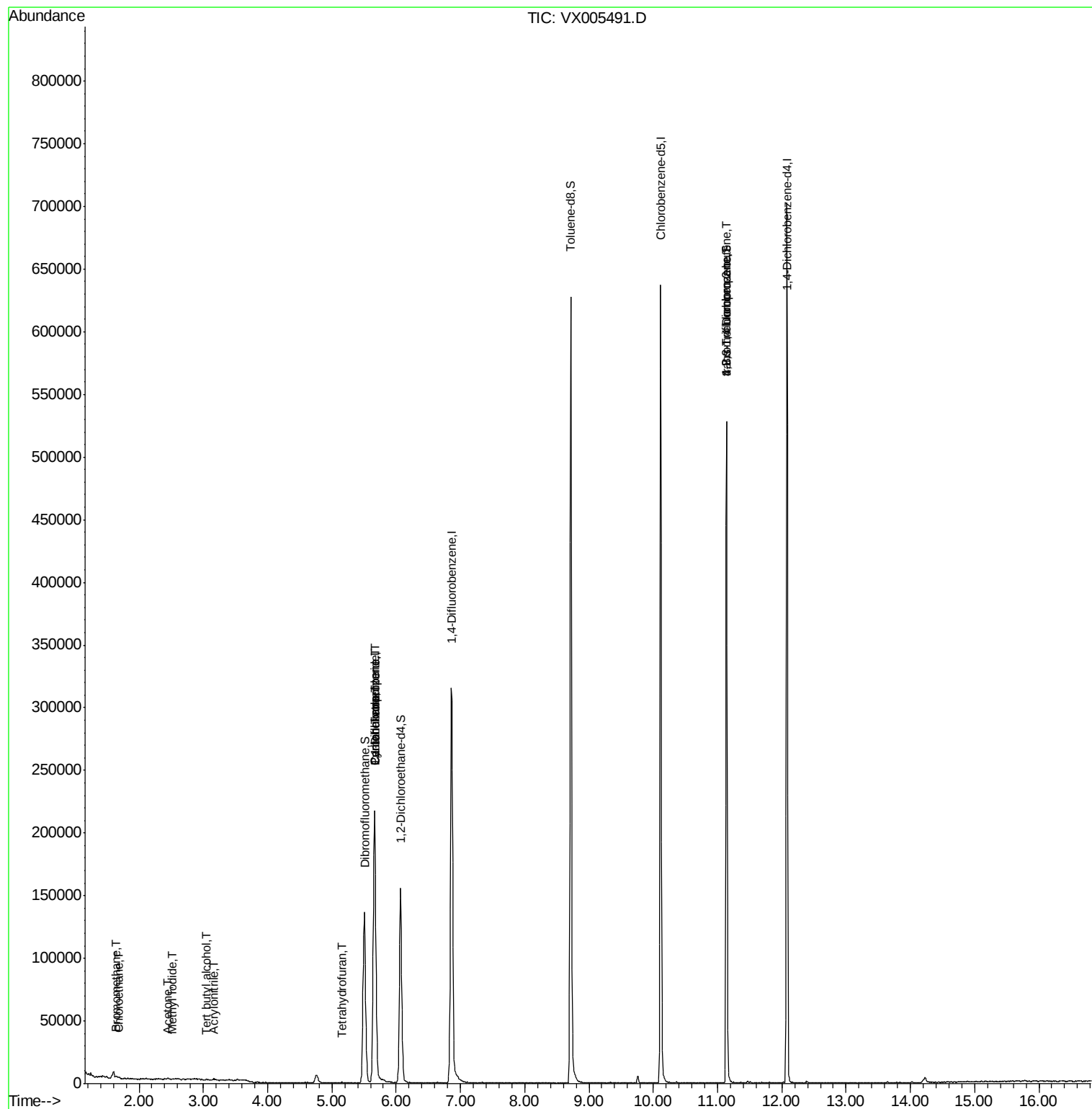
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	480	0.919	ug/l #	46
6) Chloroethane	1.69	64	42	0.360	ug/l #	44
10) Methyl Iodide	2.52	142	310	2.628	ug/l #	86
11) Tert butyl alcohol	3.06	59	169	0.247	ug/l #	72
13) Acrolein	2.29	56	184	Below Cal		95
15) Acrylonitrile	3.15	53	359	0.232	ug/l #	41
16) Acetone	2.44	43	973	0.694	ug/l #	86
20) Methylene Chloride	2.86	84	423	Below Cal	#	71
29) Tetrahydrofuran	5.16	42	489	0.374	ug/l #	62
31) Cyclohexane	5.66	56	4599	1.380	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15522	4.925	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20065	6.337	ug/l #	14
44) Trichloroethene	7.22	130	84	Below Cal		57
76) 1,2,3-Trichloropropane	11.14	75	65674	23.314	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	65674	70.840	ug/l #	10

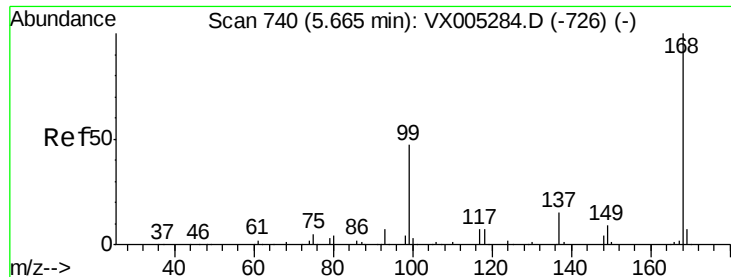
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

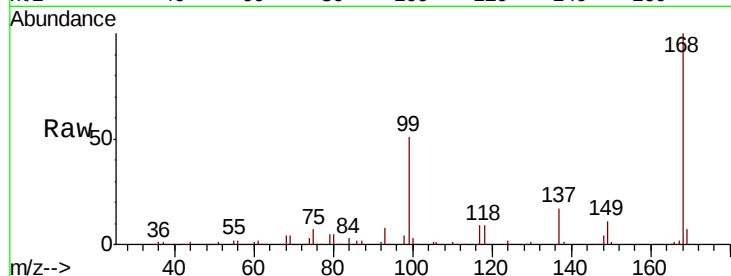
VX1022WBL02

Tot Ion:168 Resp: 218420

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

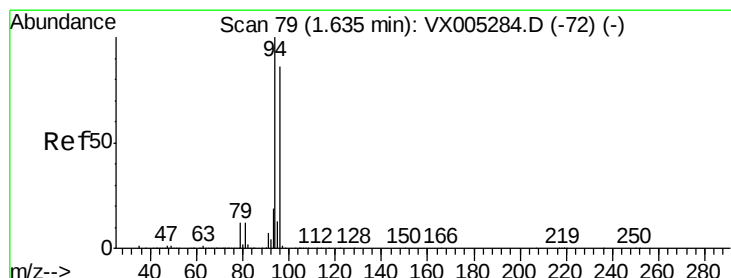
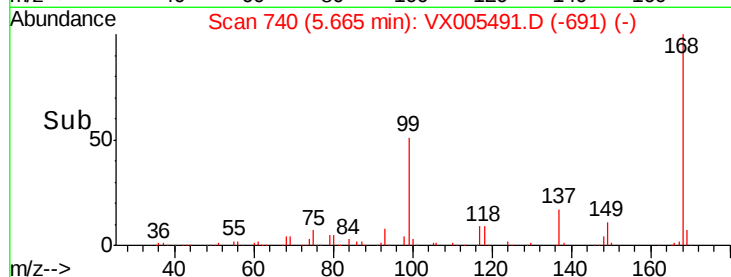
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.919 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005491.D

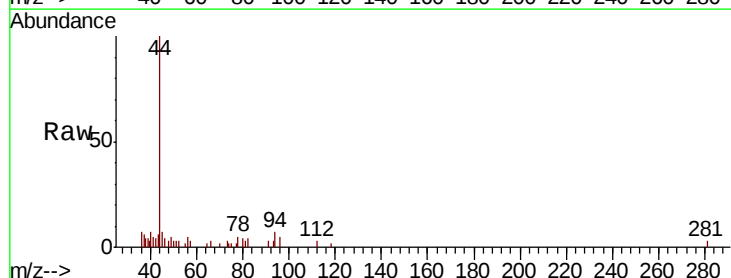
Acq: 23 Oct 2018 01:26

Tgt Ion: 94 Resp: 480

Ion Ratio Lower Upper

94 100

96 40.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

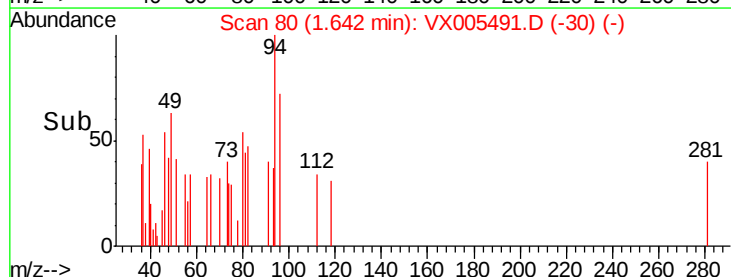
150

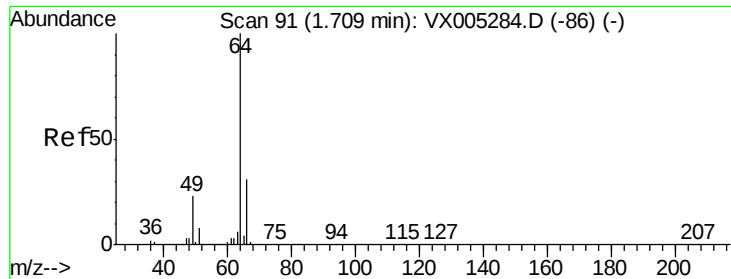
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.360 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

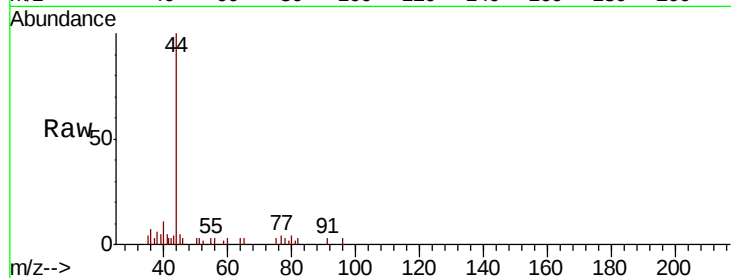
VX1022WBL02

Tot Ion: 64 Resp: 42

Ion Ratio Lower Upper

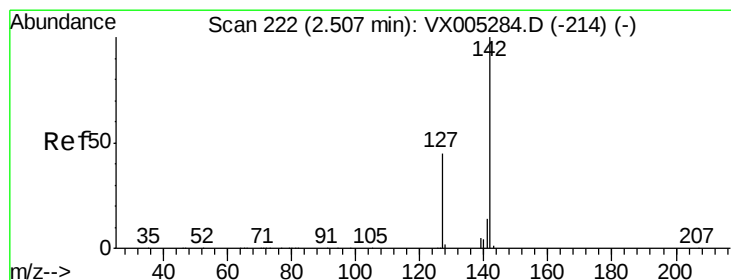
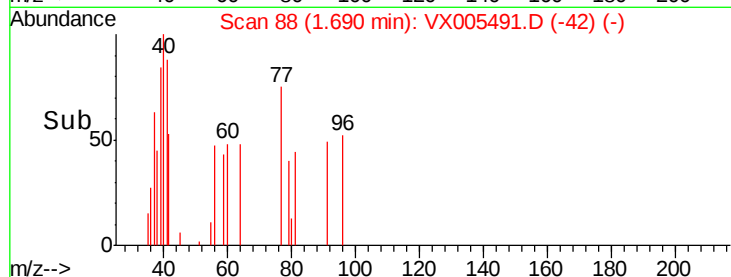
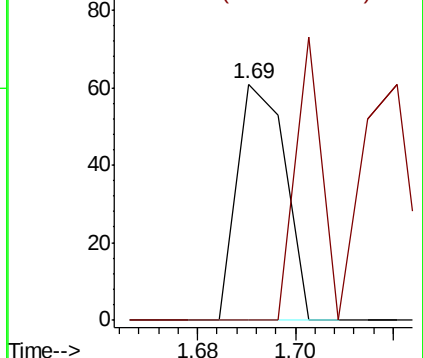
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.628 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

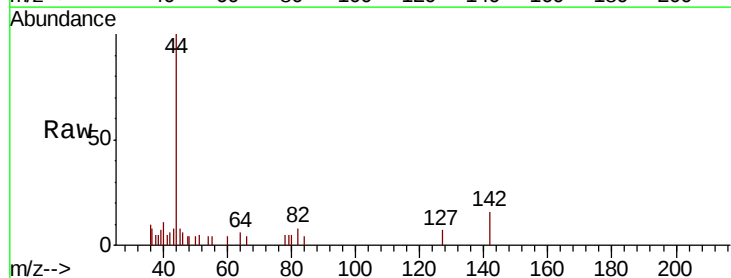
Tgt Ion: 142 Resp: 310

Ion Ratio Lower Upper

142 100

127 46.8 33.8 50.6

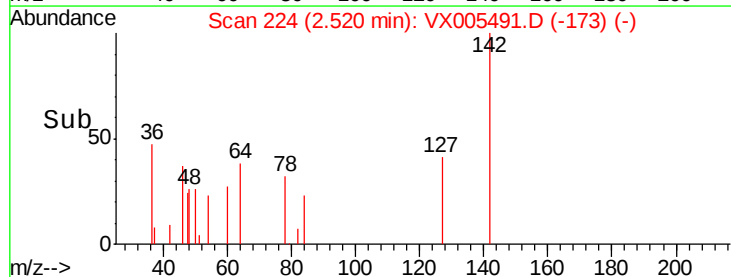
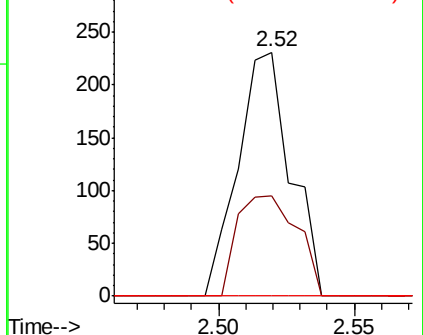
141 0.0 11.4 17.0#



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

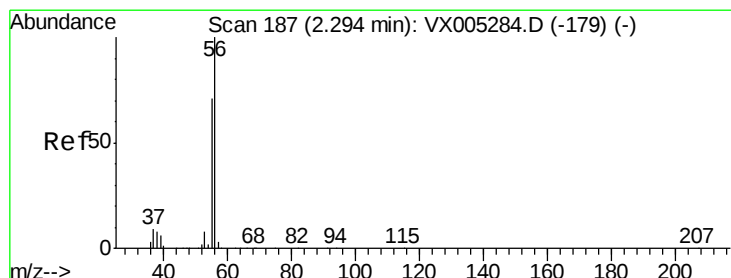
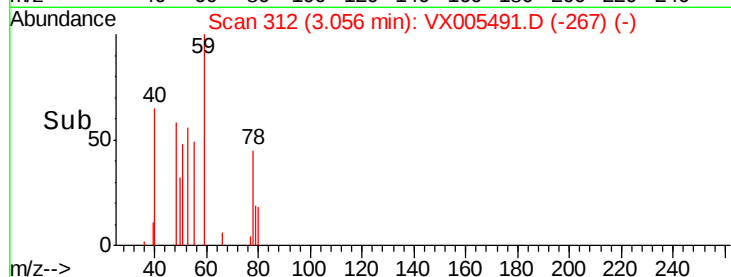
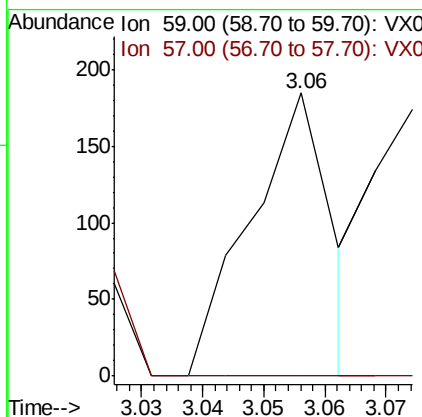
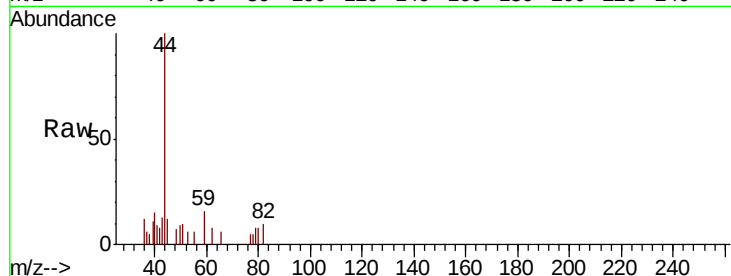




#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005491.D
Acq: 23 Oct 2018 01:26

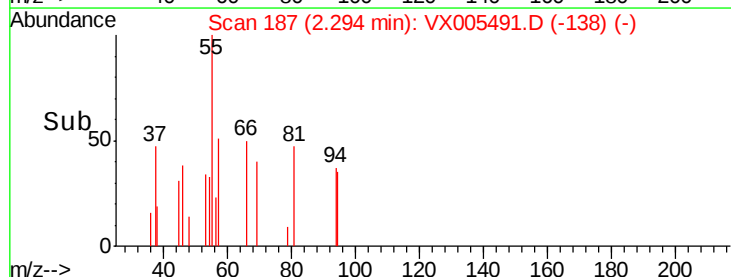
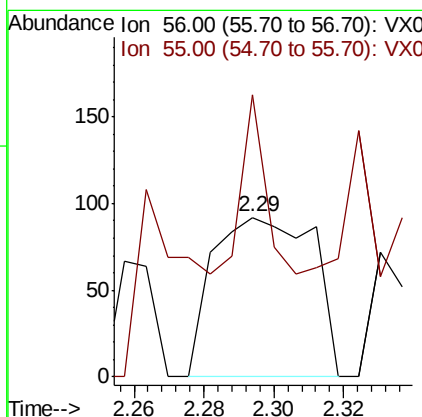
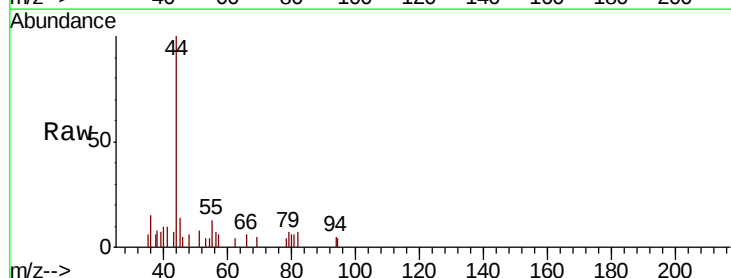
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL02

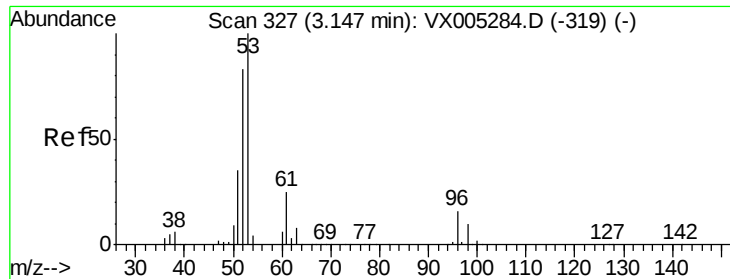
Tot Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005491.D
Acq: 23 Oct 2018 01:26

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 72.8 54.7 82.1





#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampled :

VX1022WBL02

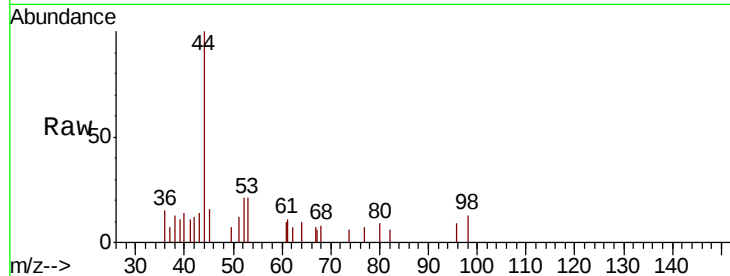
Tot Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 133.1 65.2 97.8#

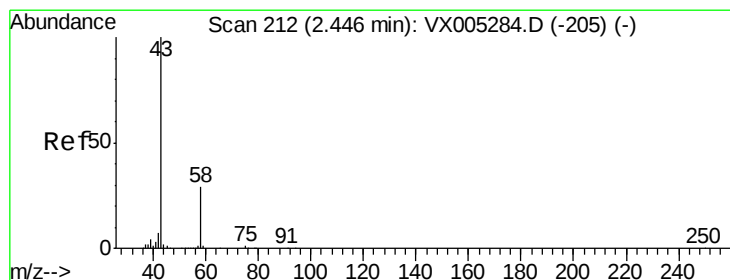
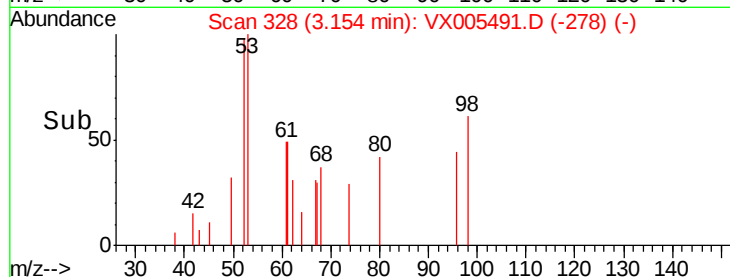
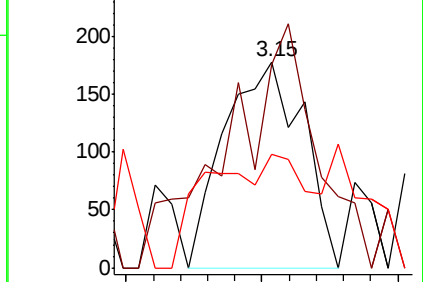
51 0.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.694 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005491.D

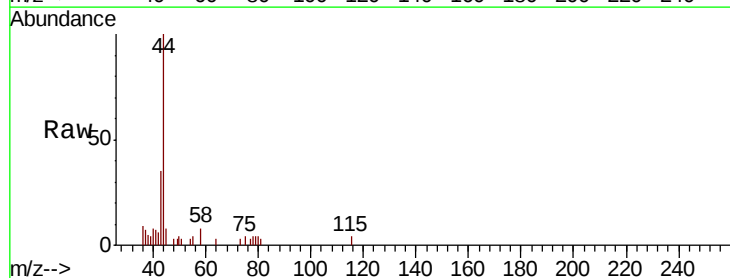
Acq: 23 Oct 2018 01:26

Tgt Ion: 43 Resp: 973

Ion Ratio Lower Upper

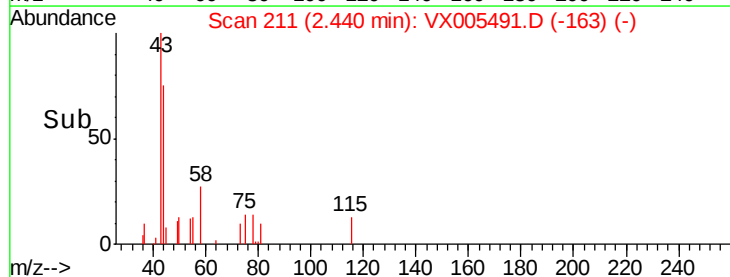
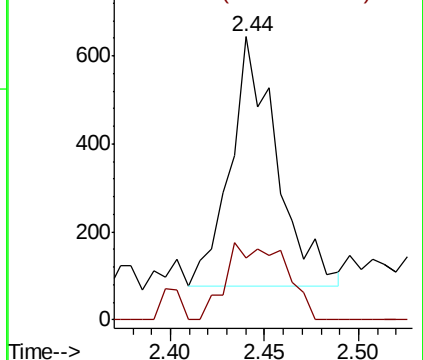
43 100

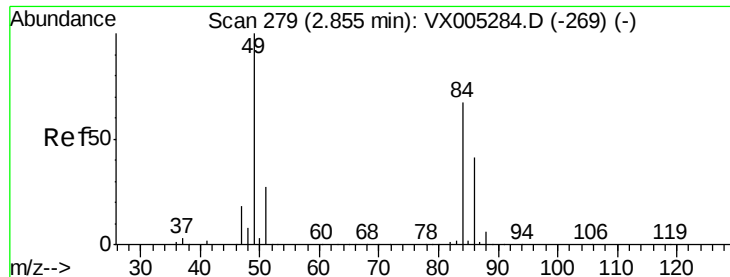
58 24.9 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

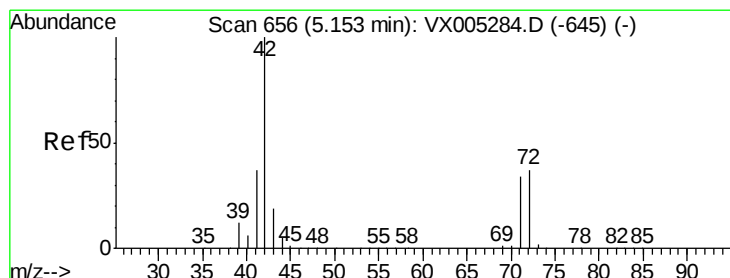
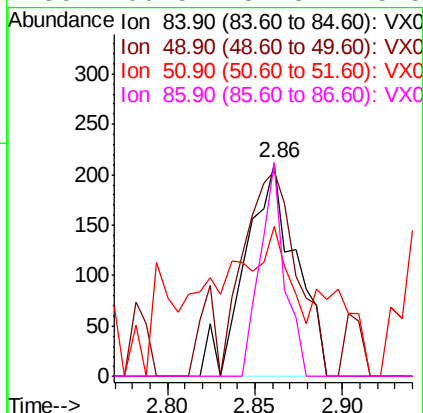
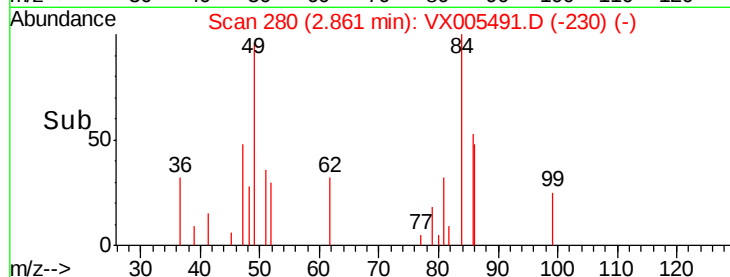
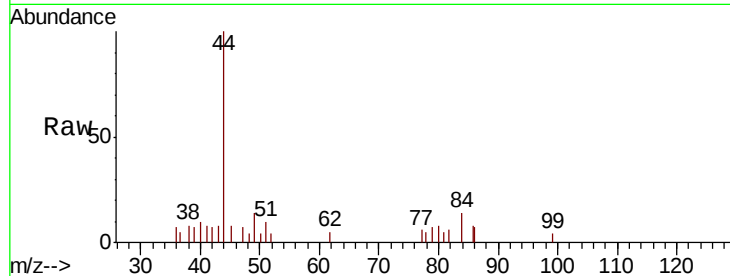




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005491.D
Acq: 23 Oct 2018 01:26

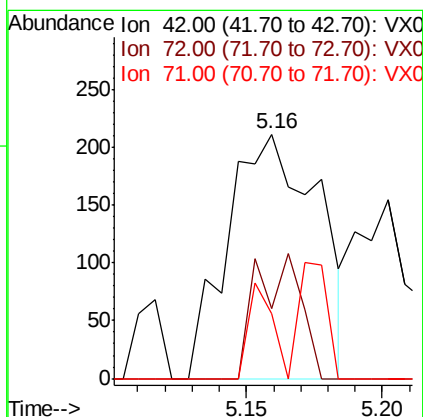
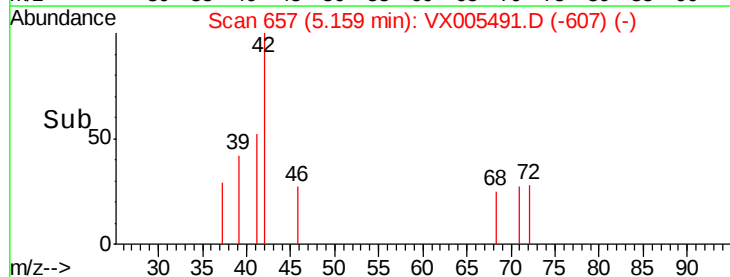
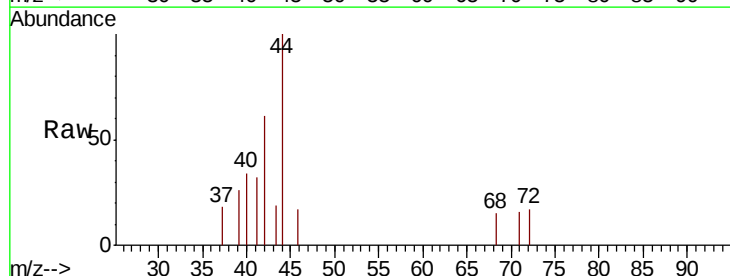
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL02

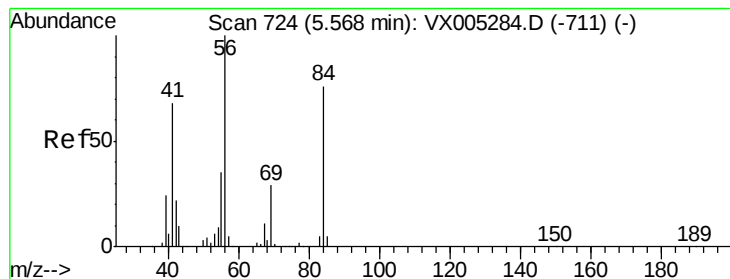
Tot Ion: 84 Resp: 423
Ion Ratio Lower Upper
84 100
49 96.2 101.2 151.8#
51 32.2 29.5 44.3
86 100.5 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005491.D
Acq: 23 Oct 2018 01:26

Tgt Ion: 42 Resp: 489
Ion Ratio Lower Upper
42 100
72 24.7 37.4 56.0#
71 14.7 34.5 51.7#





#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL02

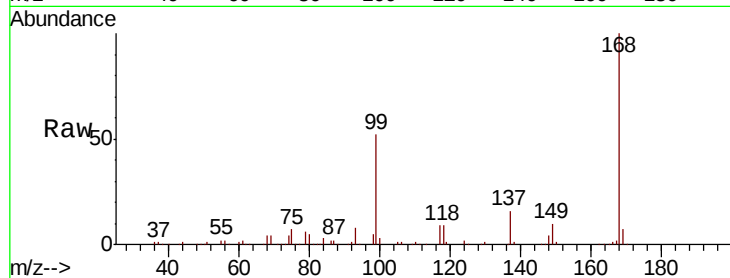
Tot Ion: 56 Resp: 4599

Ion Ratio Lower Upper

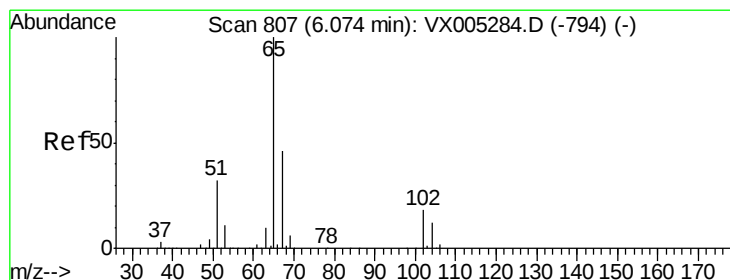
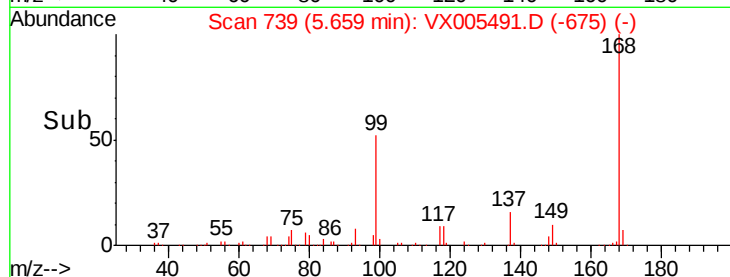
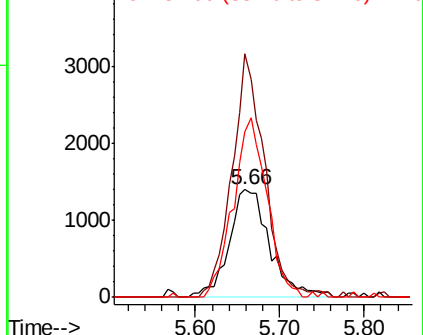
56 100

69 226.1 25.4 38.2#

84 153.7 71.4 107.2#



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: 59.465 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005491.D

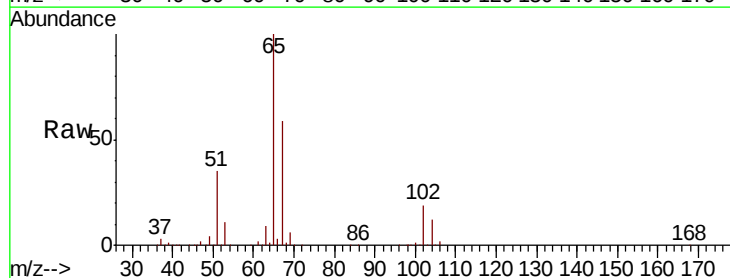
Acq: 23 Oct 2018 01:26

Tgt Ion: 65 Resp: 144151

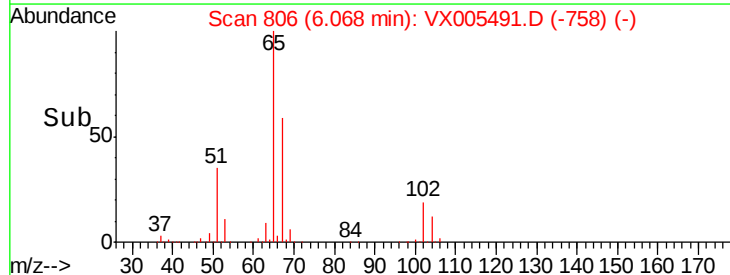
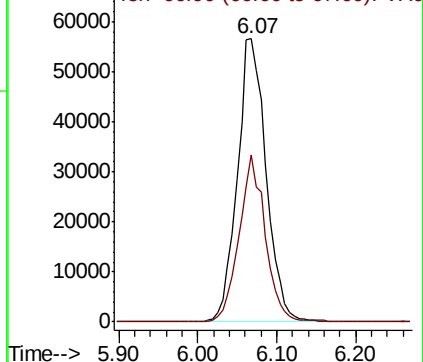
Ion Ratio Lower Upper

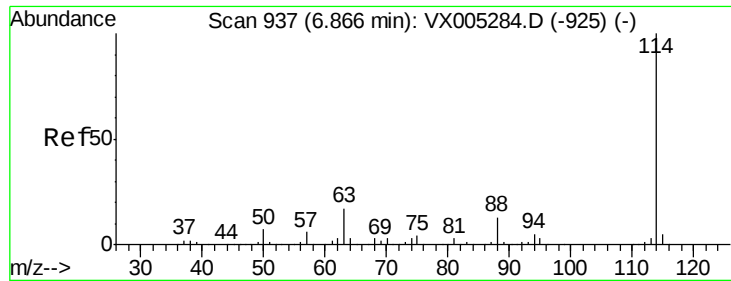
65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

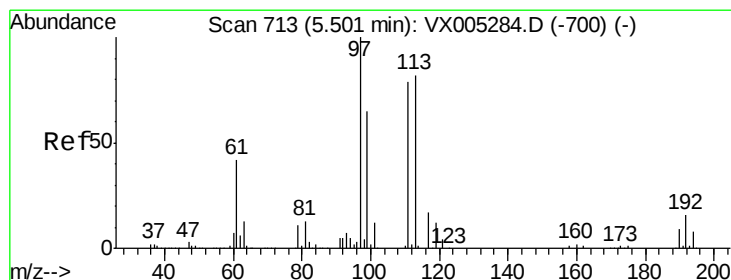
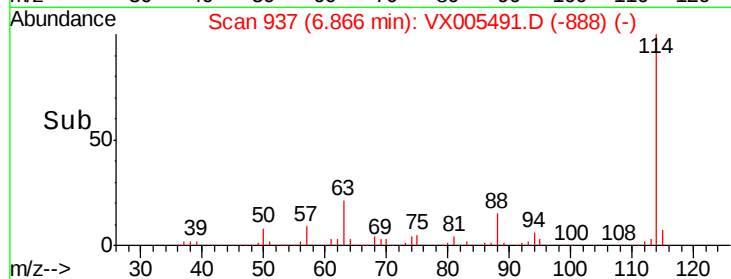
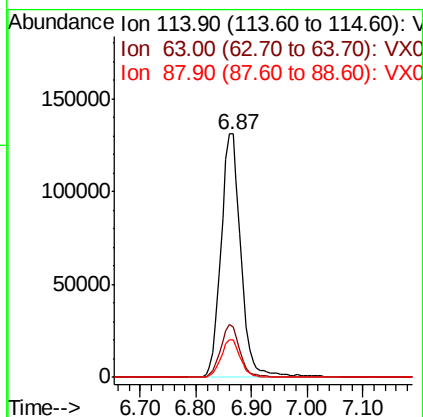
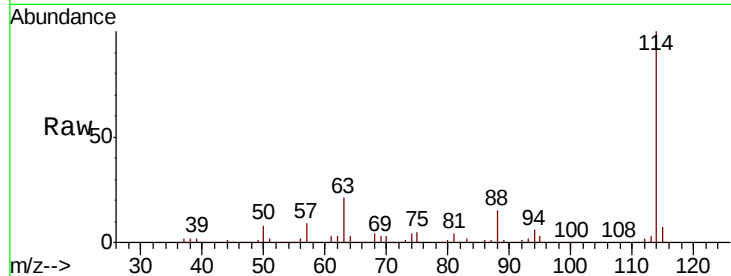




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VX005491.D
 Acq: 23 Oct 2018 01:26

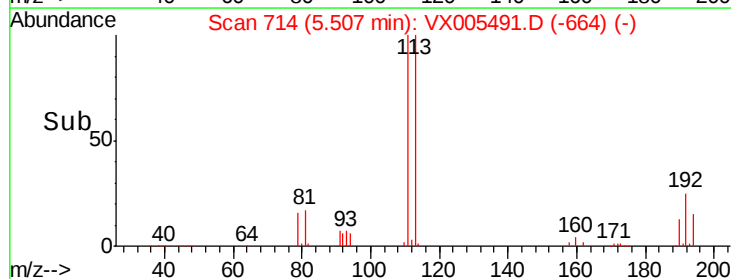
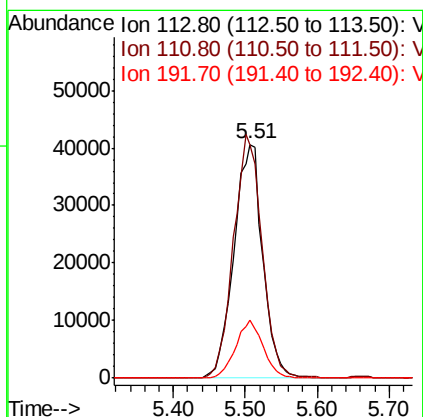
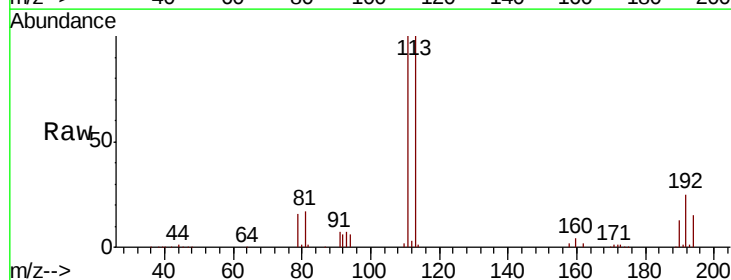
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL02

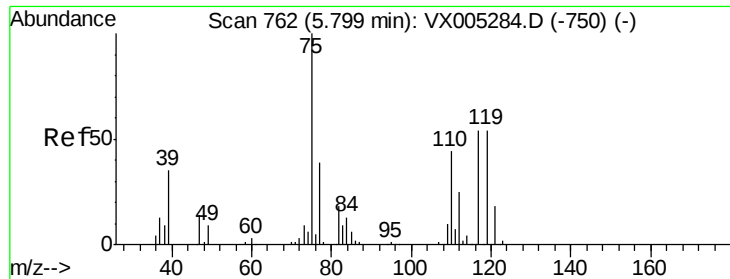
Tot Ion:114 Resp: 325394
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.411 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005491.D
 Acq: 23 Oct 2018 01:26

Tgt Ion:113 Resp: 112954
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.4 123.6
 192 23.4 19.4 29.2

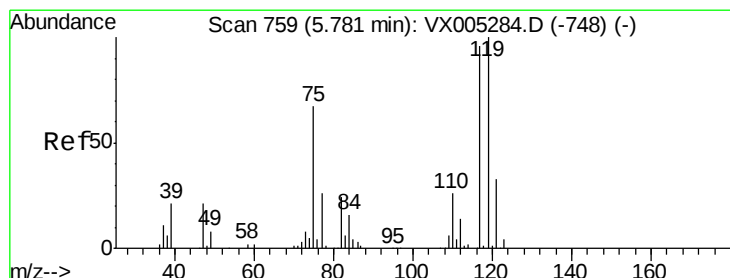
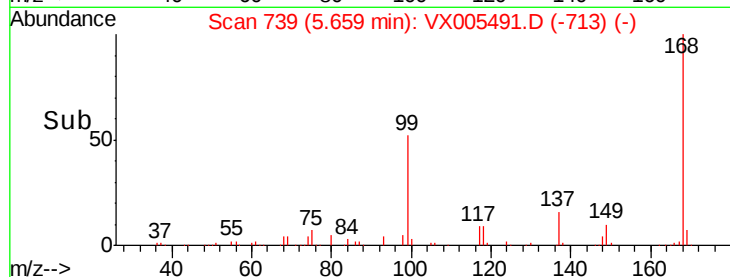
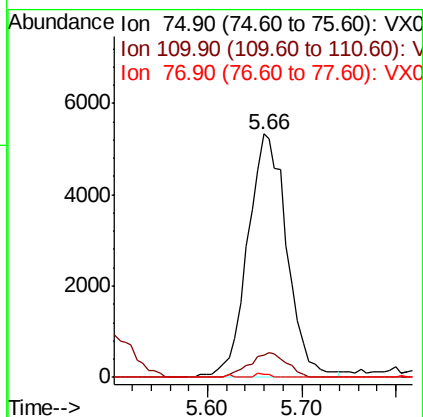
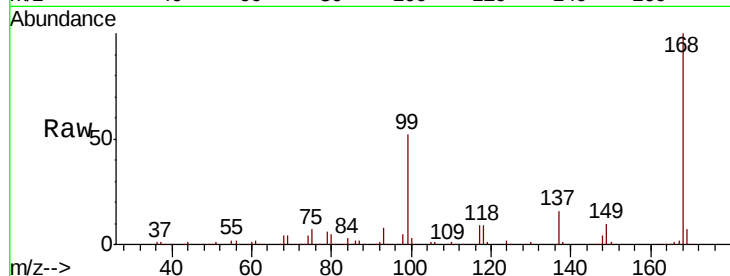




#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005491.D
 Acq: 23 Oct 2018 01:26

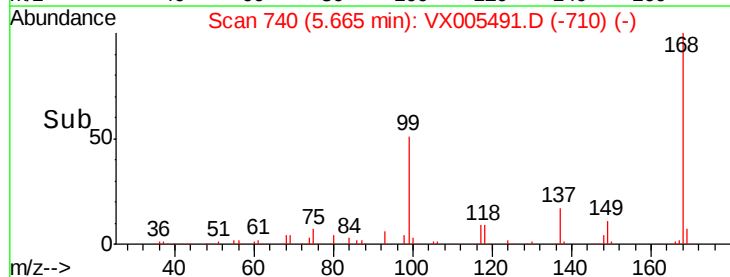
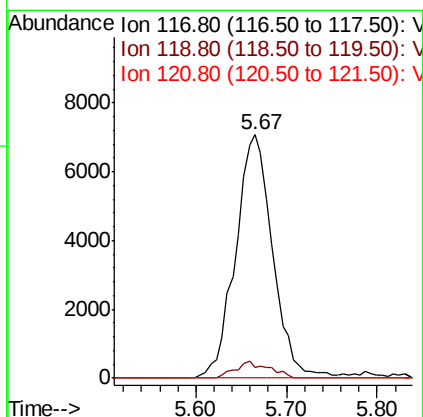
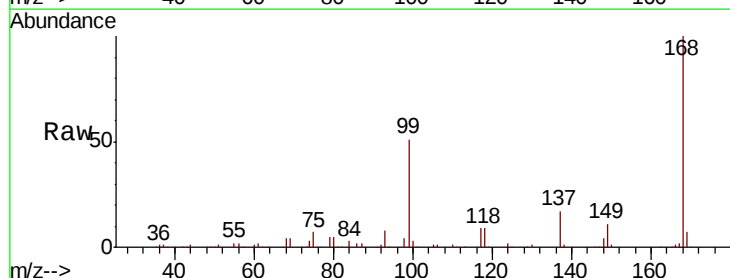
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL02

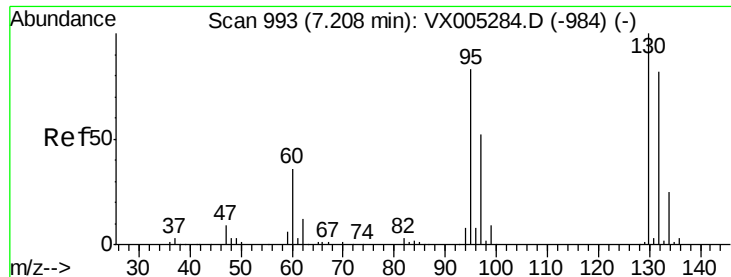
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.0	54.0#
77	0.5	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.337 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005491.D
 Acq: 23 Oct 2018 01:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

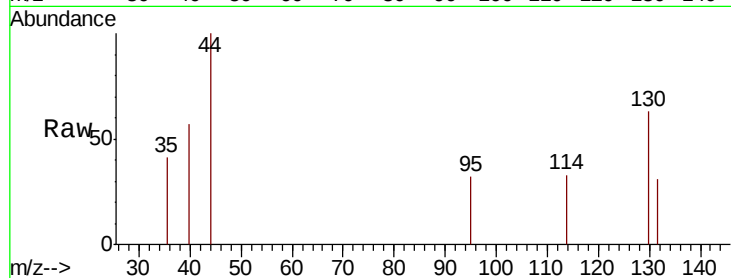
VX1022WBL02

Tot Ion:130 Resp: 84

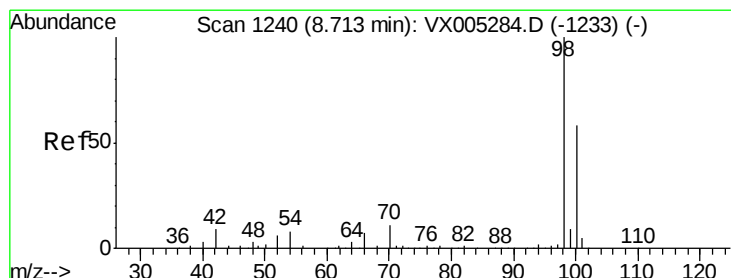
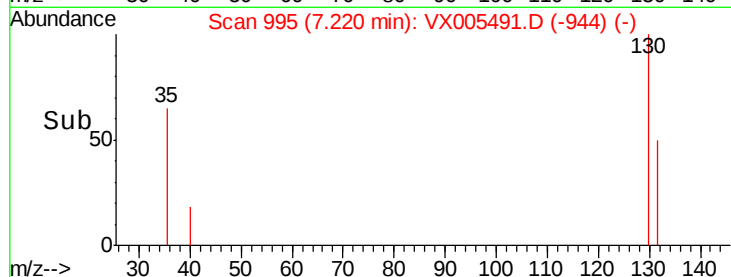
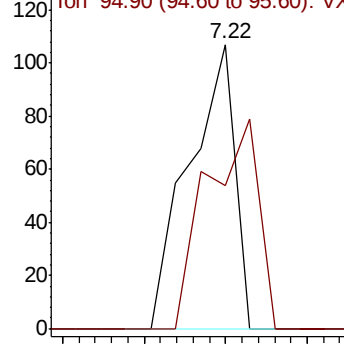
Ion Ratio Lower Upper

130 100

95 50.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 53.303 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005491.D

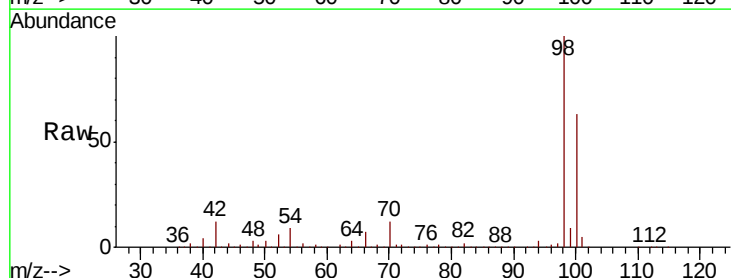
Acq: 23 Oct 2018 01:26

Tgt Ion: 98 Resp: 394381

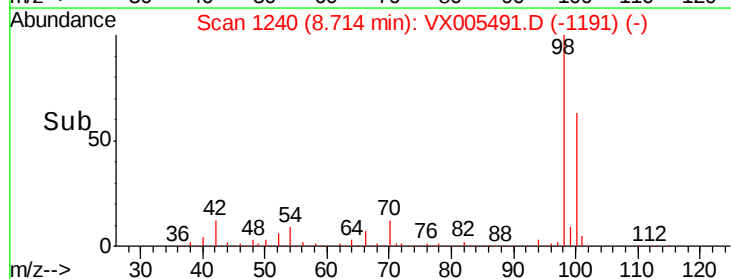
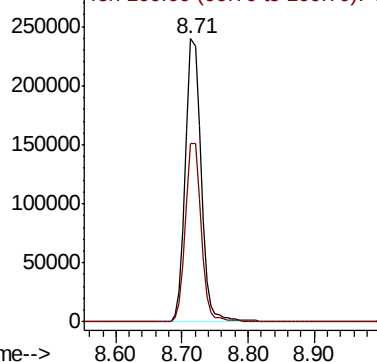
Ion Ratio Lower Upper

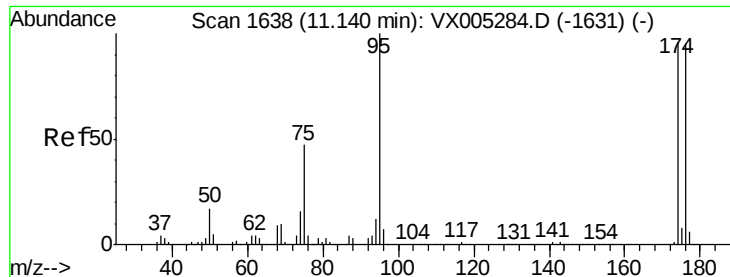
98 100

100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL02

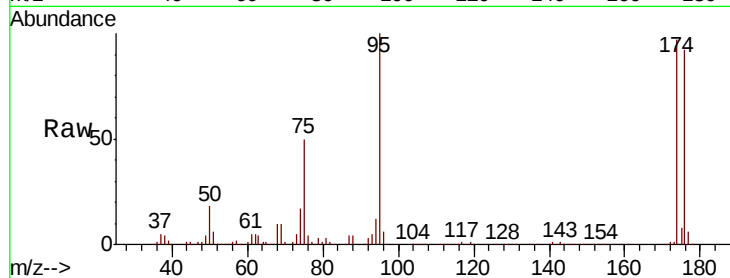
Tot Ion: 95 Resp: 130003

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

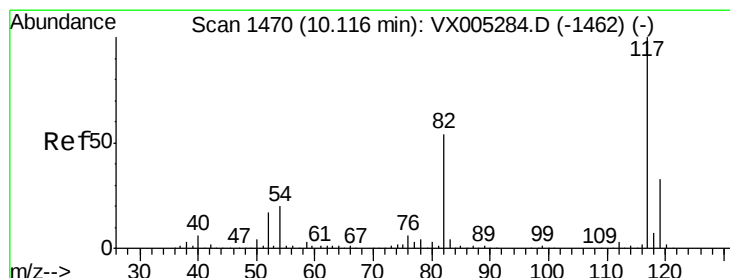
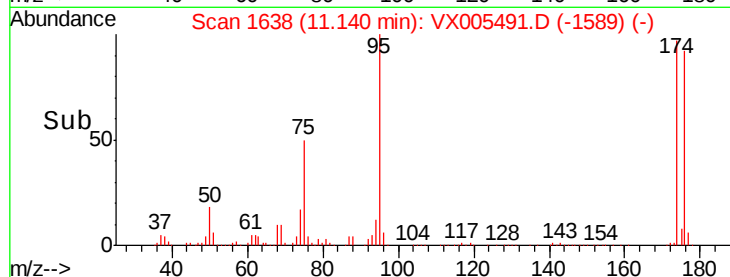
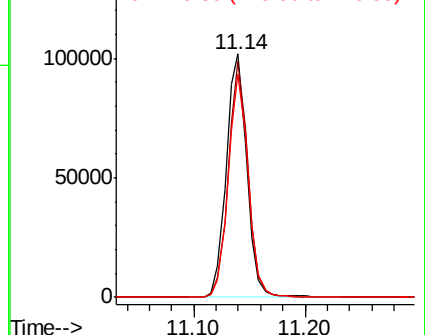
176 89.0 0.0 178.6



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: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

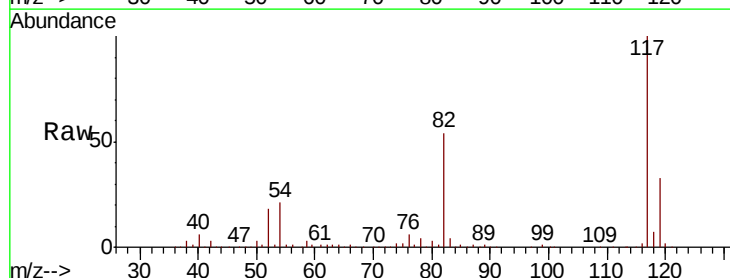
Tgt Ion: 117 Resp: 294644

Ion Ratio Lower Upper

117 100

82 54.3 47.8 71.6

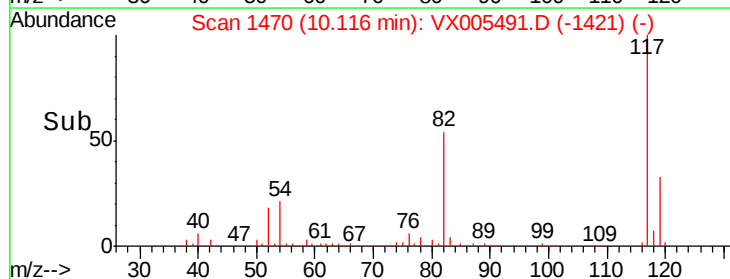
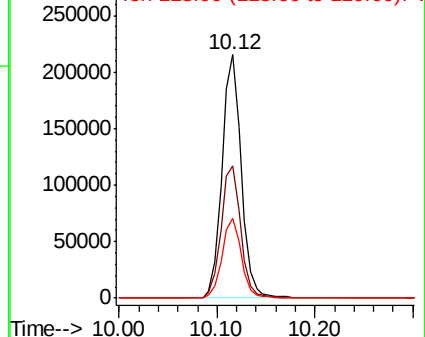
119 32.8 29.3 43.9

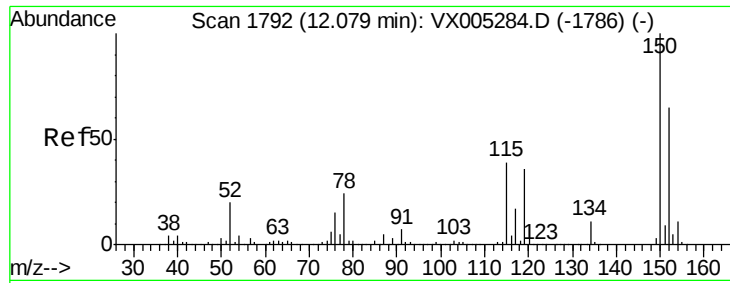


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL02

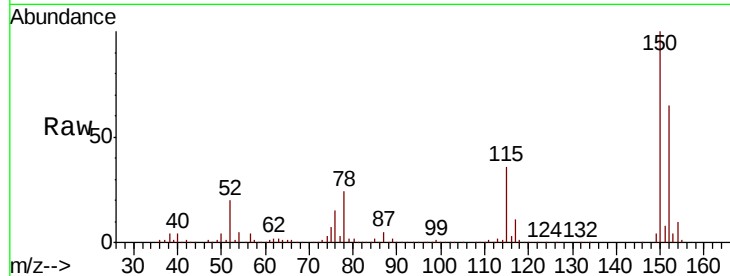
Tot Ion:152 Resp: 145223

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

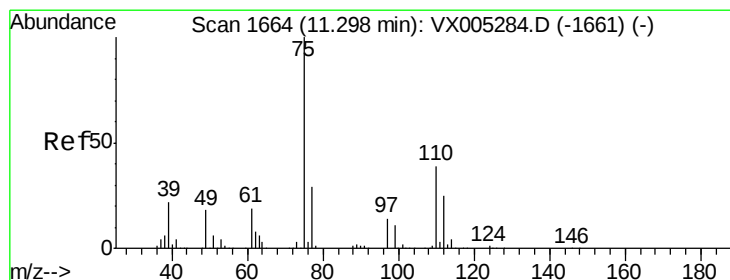
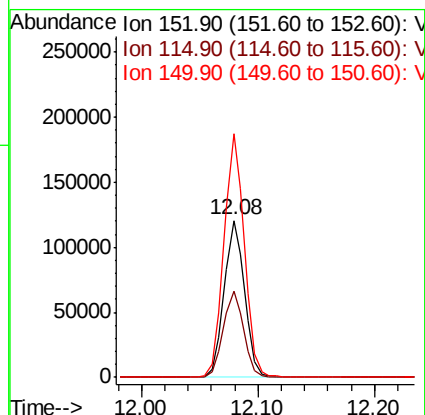
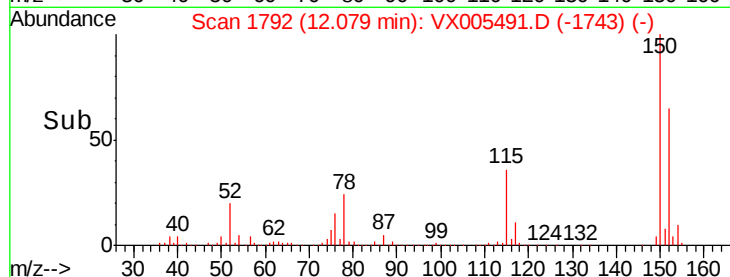
150 154.4 0.0 351.0



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: 23.314 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005491.D

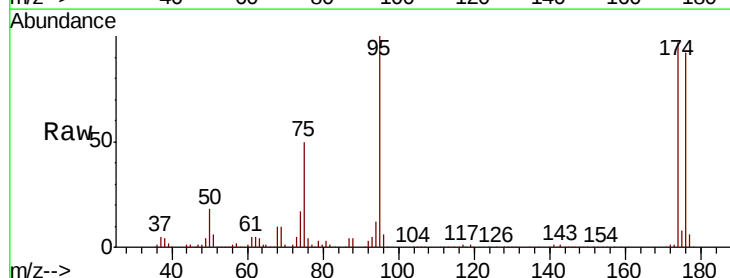
Acq: 23 Oct 2018 01:26

Tgt Ion: 75 Resp: 65674

Ion Ratio Lower Upper

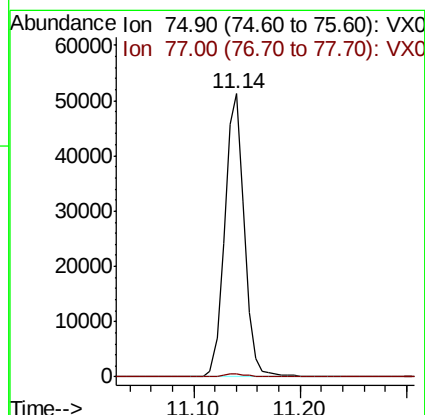
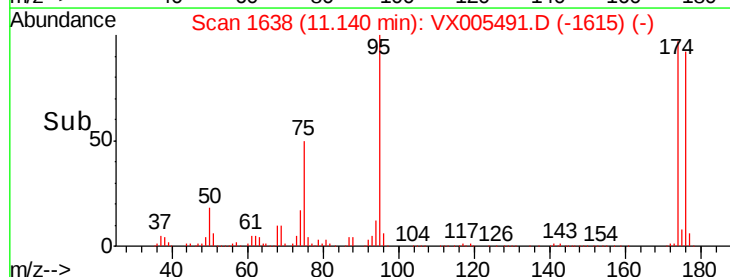
75 100

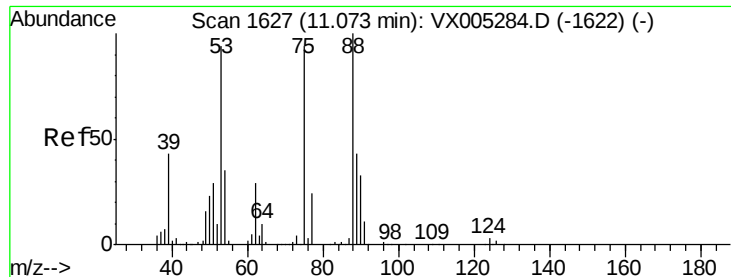
77 1.3 20.2 60.6#



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: 70.840 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005491.D

Acq: 23 Oct 2018 01:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL02

Tot Ion: 75 Resp: 65674

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

