

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005330.D
 Acq On : 15 Oct 2018 09:10
 Operator : JC/MD
 Sample : VX1015WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBL01

Quant Time: Oct 16 03:16:39 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	5.66	168	305307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	414909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182438	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	167428	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
35) Dibromofluoromethane	5.50	113	132278	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.72	98	493848	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.14	95	161440	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

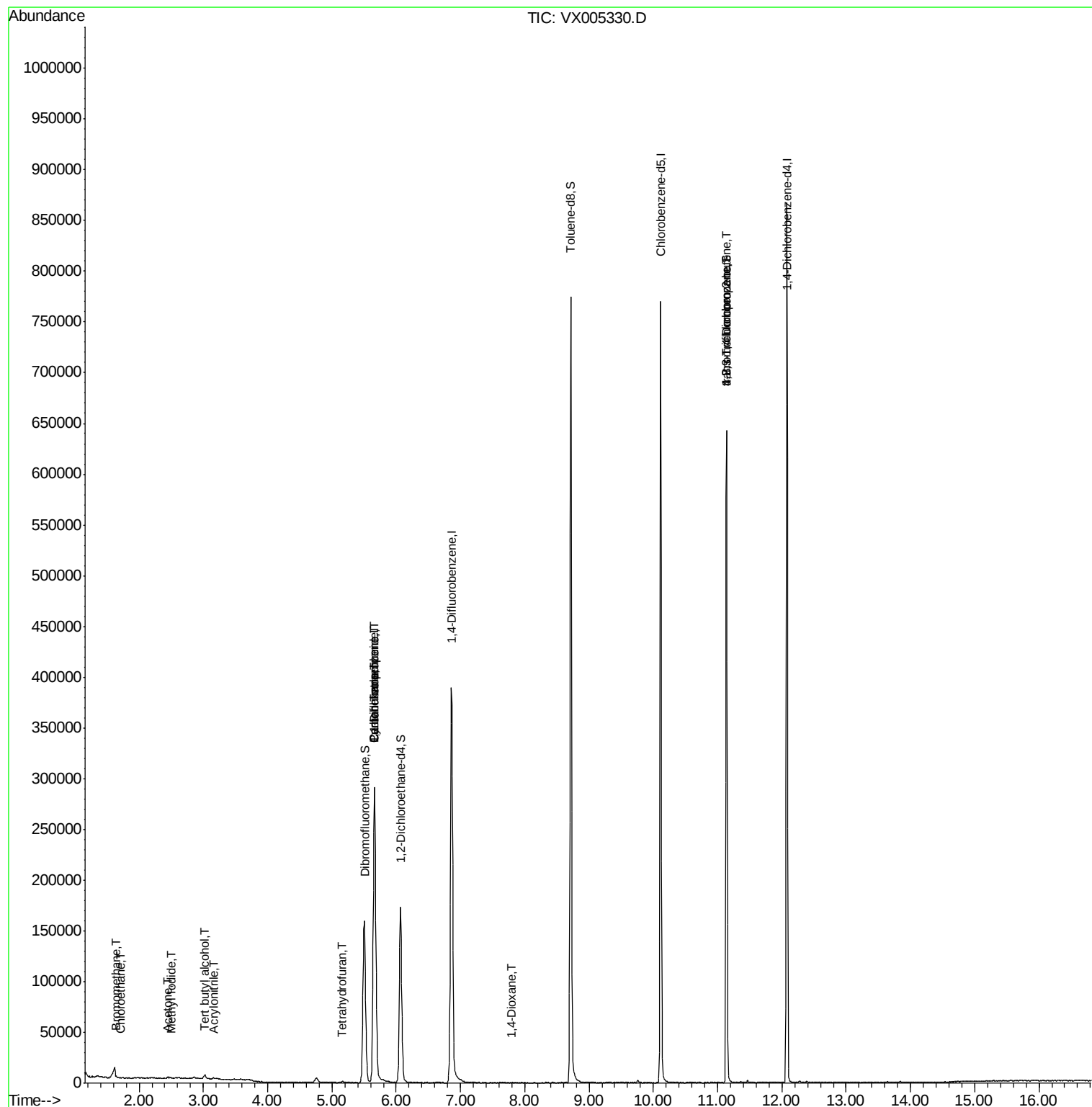
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	267	0.718	ug/l #	74
6) Chloroethane	1.71	64	159	0.404	ug/l #	44
10) Methyl Iodide	2.51	142	303	2.586	ug/l #	67
11) Tert butyl alcohol	3.02	59	2675	2.799	ug/l #	84
13) Acrolein	2.29	56	160	Below Cal	#	16
15) Acrylonitrile	3.15	53	591	0.273	ug/l	87
16) Acetone	2.45	43	1039	0.530	ug/l	90
20) Methylene Chloride	2.86	84	389	Below Cal	#	76
29) Tetrahydrofuran	5.15	42	1012	0.553	ug/l #	73
31) Cyclohexane	5.67	56	5539	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19500	4.853	ug/l #	50
38) Carbon Tetrachloride	5.66	117	27405	6.787	ug/l #	15
44) Trichloroethene	7.20	130	28	Below Cal		86
49) 1,4-Dioxane	7.79	88	20	0.243	ug/l #	24
76) 1,2,3-Trichloropropane	11.14	75	78503	22.184	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78503	67.405	ug/l #	10

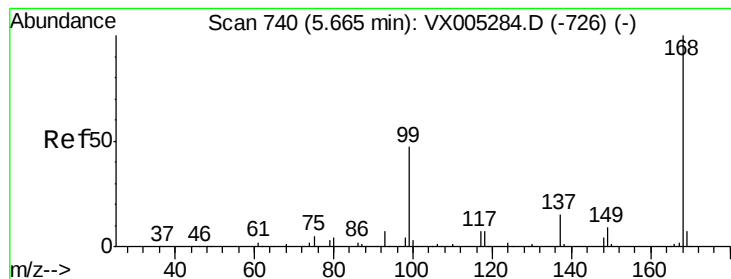
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101518\
Data File : VX005330.D
Acq On : 15 Oct 2018 09:10
Operator : JC/MD
Sample : VX1015WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBL01

Quant Time: Oct 16 03:16:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

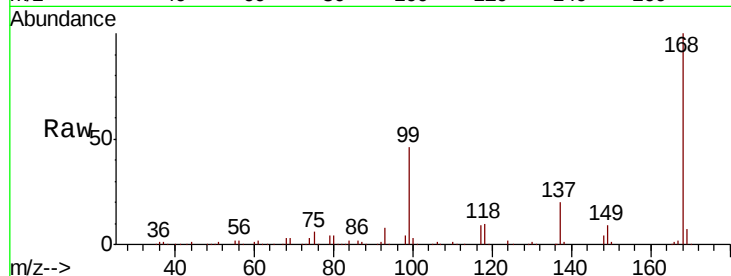
VX1015WBL01

Tot Ion:168 Resp: 305307

Ion Ratio Lower Upper

168 100

99 46.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

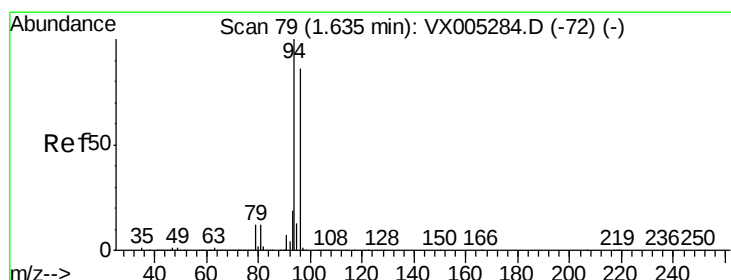
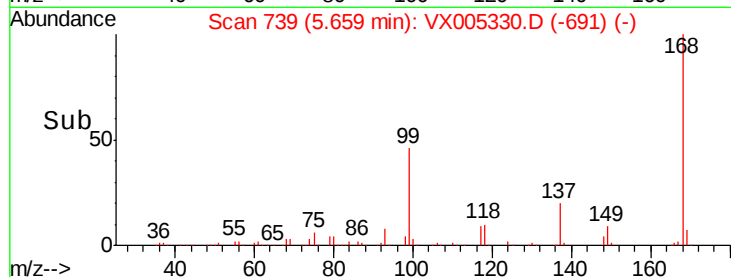
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.718 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005330.D

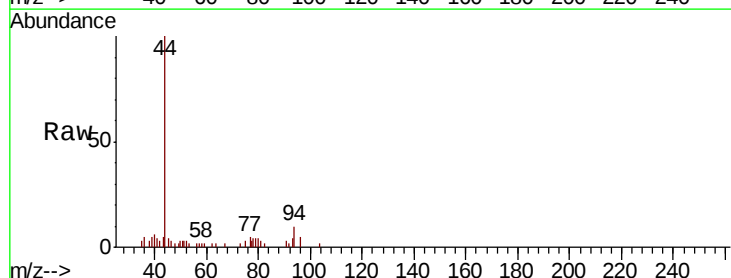
Acq: 15 Oct 2018 09:10

Tgt Ion: 94 Resp: 267

Ion Ratio Lower Upper

94 100

96 68.0 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

300

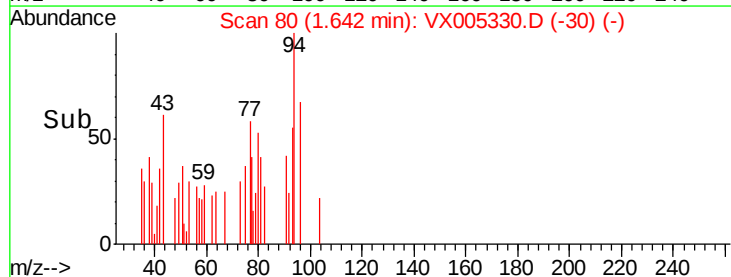
200

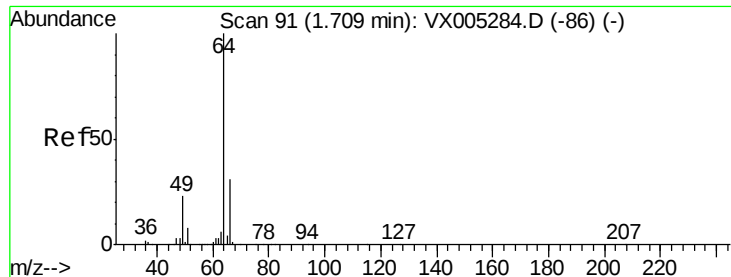
100

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.404 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

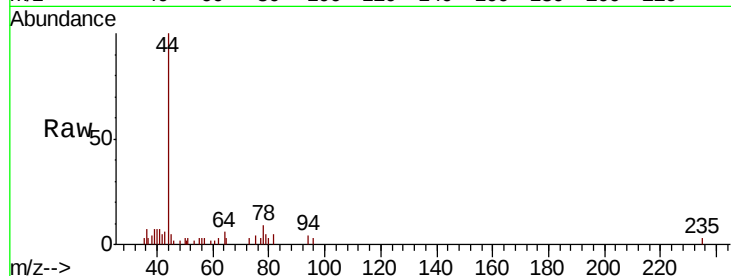
VX1015WBL01

Tot Ion: 64 Resp: 159

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX005284.D (-86) (-)

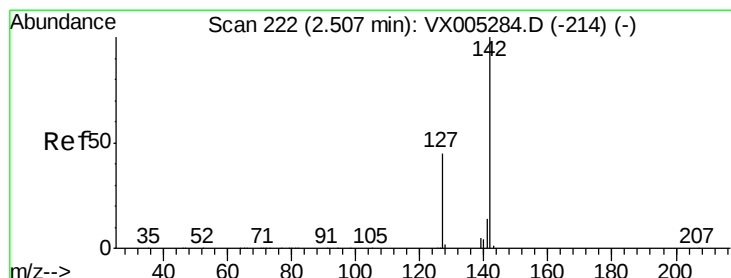
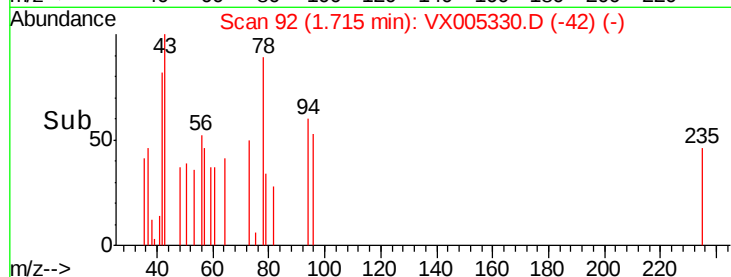
Ion 65.90 (65.60 to 66.60): VX005284.D (-86) (-)

1.71

1.72

1.74

Time-->



#10

Methyl Iodide

Concen: 2.586 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

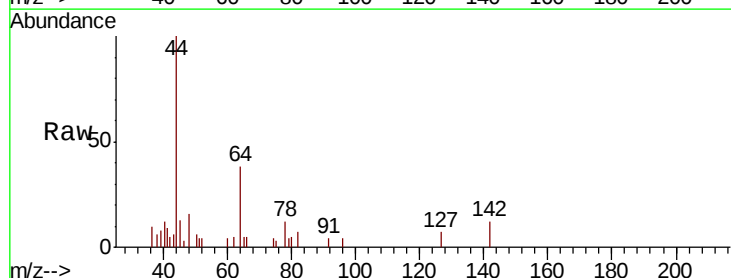
Tgt Ion: 142 Resp: 303

Ion Ratio Lower Upper

142 100

127 21.5 33.8 50.6#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VX005284.D (-214) (-)

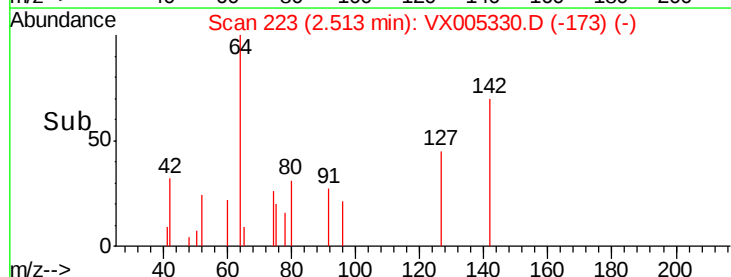
Ion 126.80 (126.50 to 127.50): VX005284.D (-214) (-)

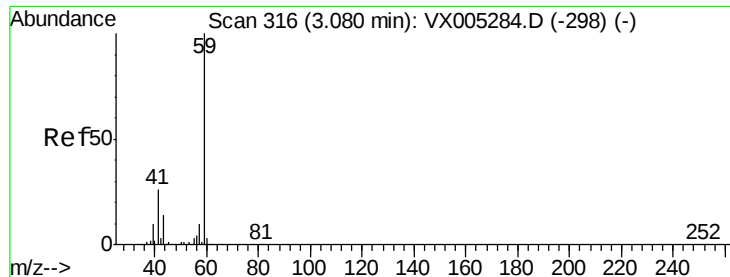
Ion 140.80 (140.50 to 141.50): VX005284.D (-214) (-)

2.51

2.55

Time-->



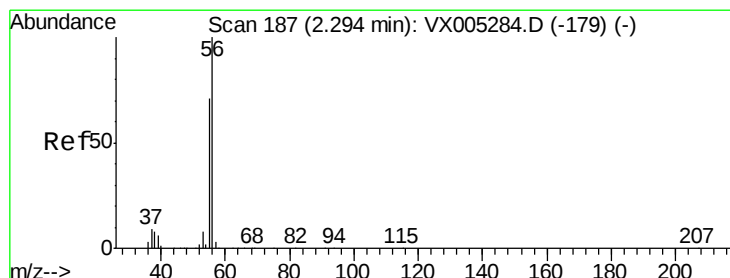
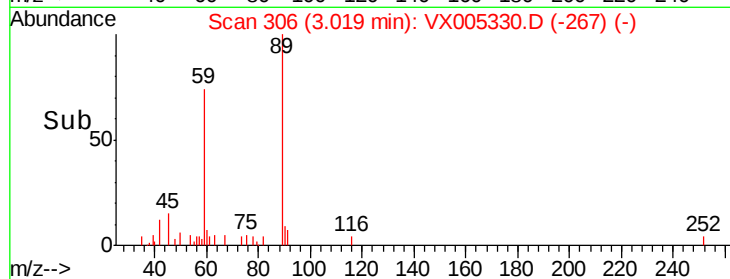
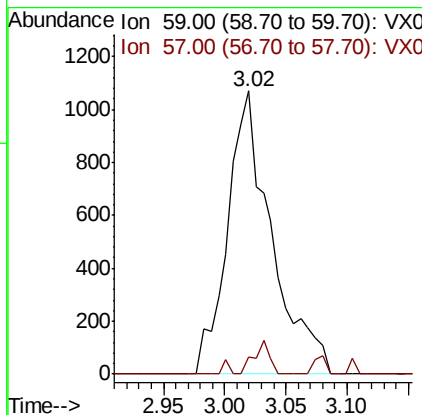
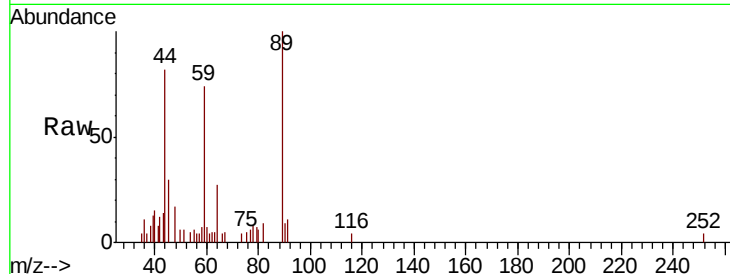


#11

Tert butvl alcohol
 Concen: 2.799 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005330.D
 Acq: 15 Oct 2018 09:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBL01

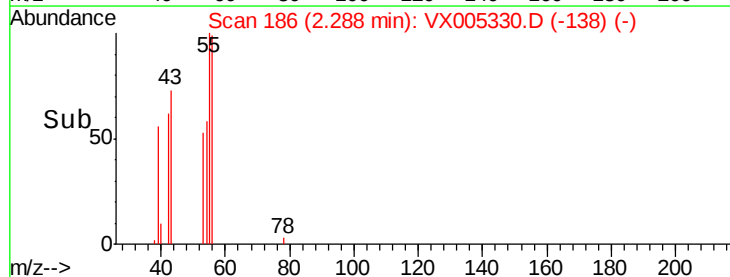
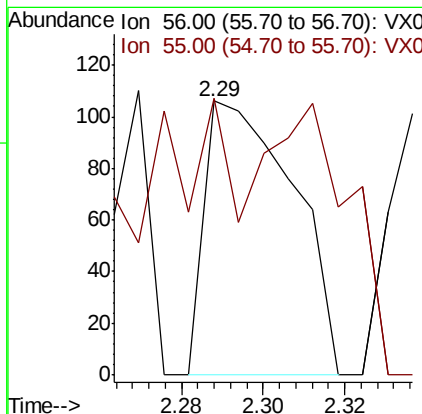
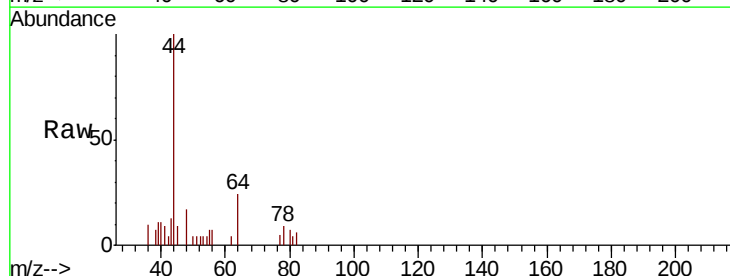
Tot Ion: 59 Resp: 2675
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.2 12.4#

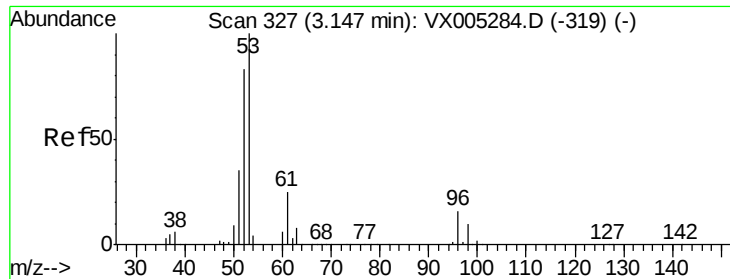


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX005330.D
 Acq: 15 Oct 2018 09:10

Tgt Ion: 56 Resp: 160
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBL01

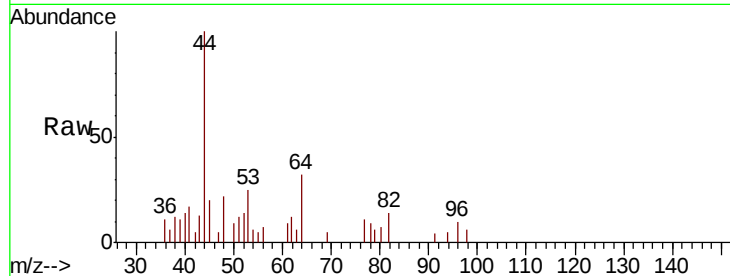
Tot Ion: 53 Resp: 591

Ion Ratio Lower Upper

53 100

52 94.8 65.2 97.8

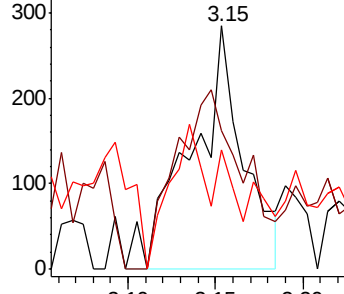
51 39.6 28.2 42.2



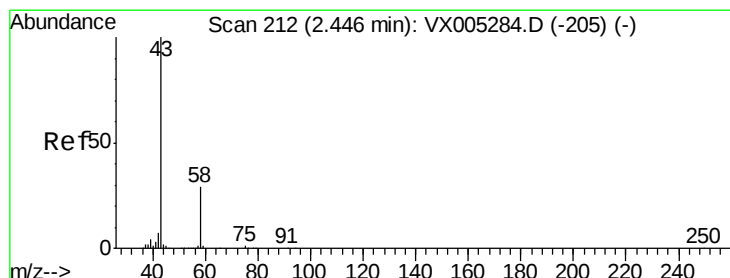
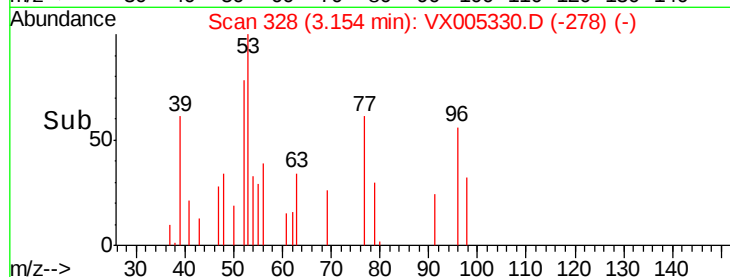
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.530 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005330.D

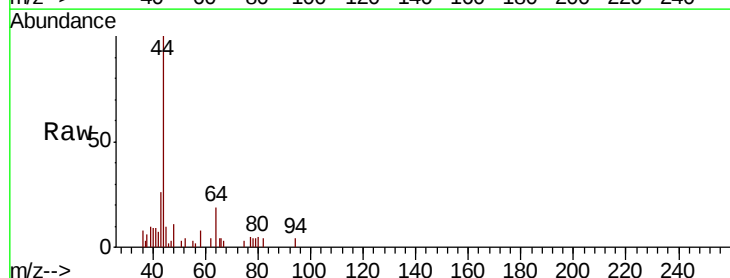
Acq: 15 Oct 2018 09:10

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

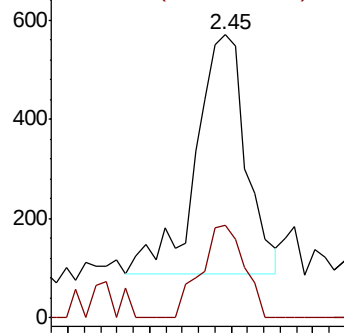
43 100

58 38.7 26.2 39.4

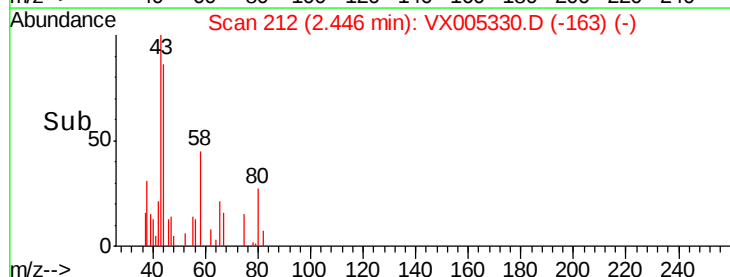


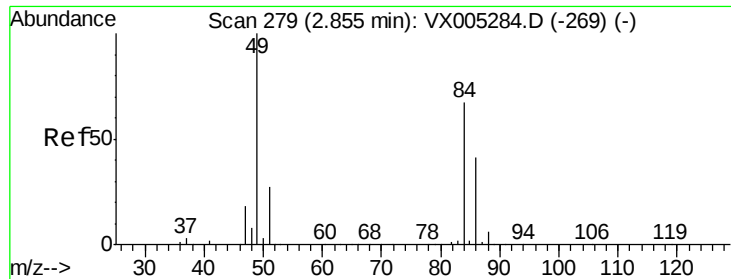
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

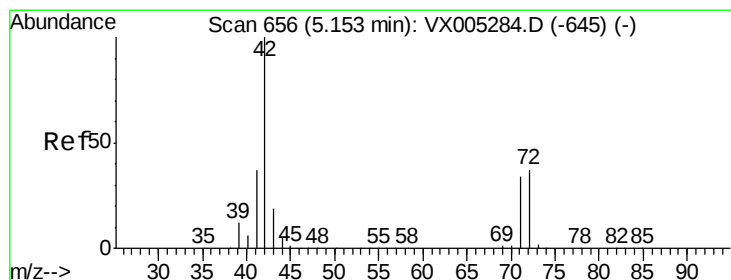
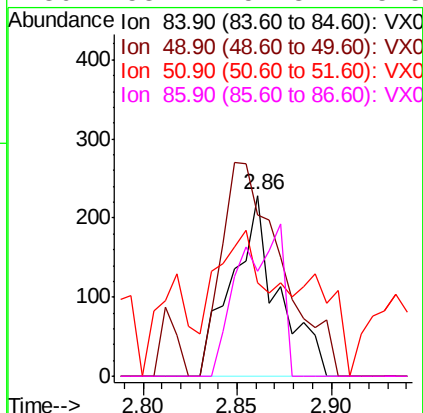
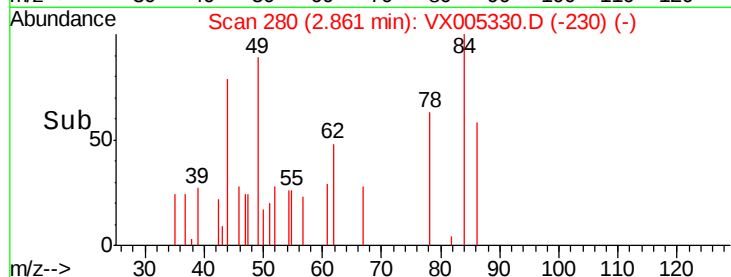
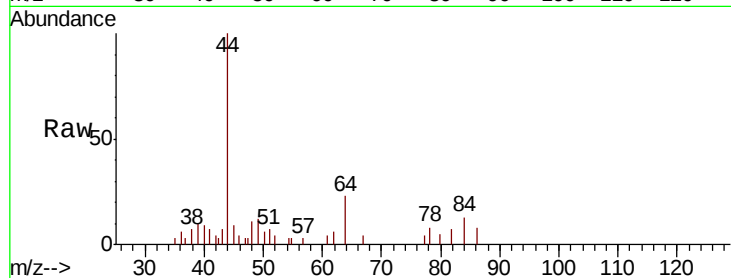




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

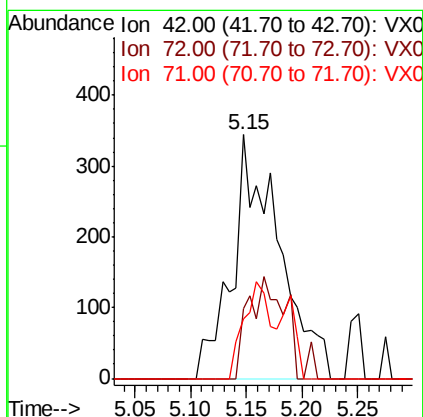
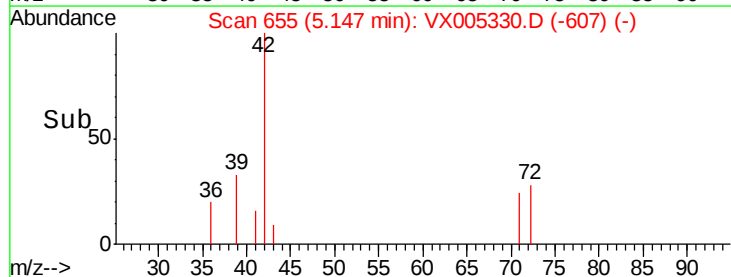
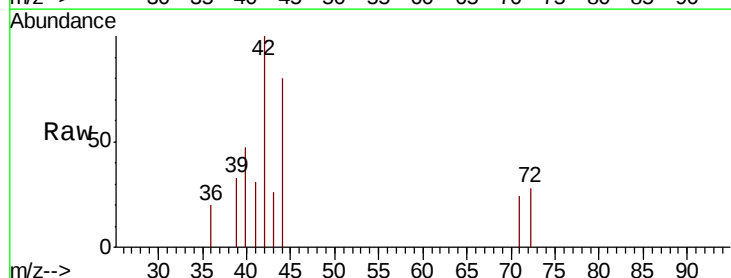
Instrument :
MSVOA_X
ClientSampleId :
VX1015WBL01

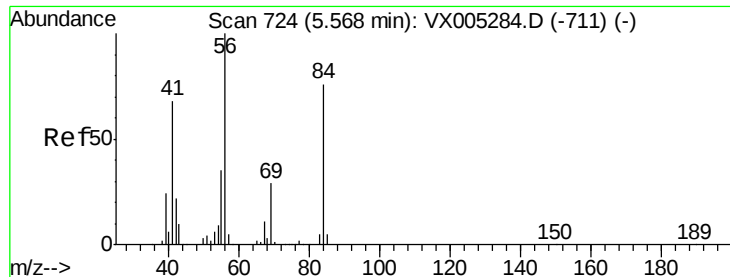
Tot Ion: 84 Resp: 389
Ion Ratio Lower Upper
84 100
49 89.1 101.2 151.8#
51 24.0 29.5 44.3#
86 58.1 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.553 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Tgt Ion: 42 Resp: 1012
Ion Ratio Lower Upper
42 100
72 31.6 37.4 56.0#
71 22.8 34.5 51.7#

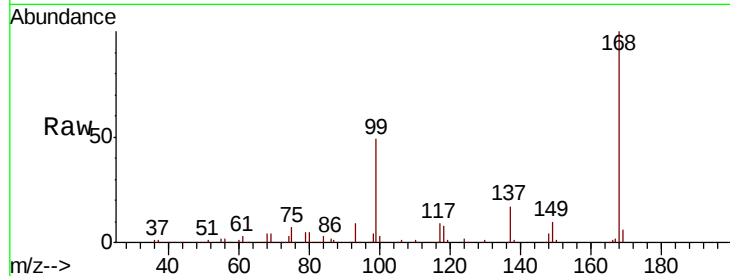




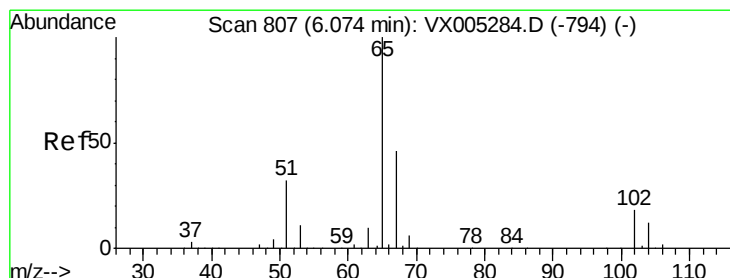
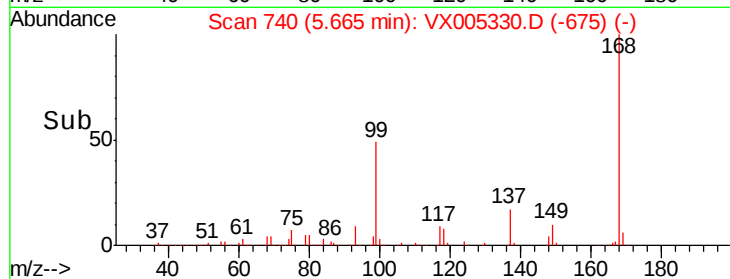
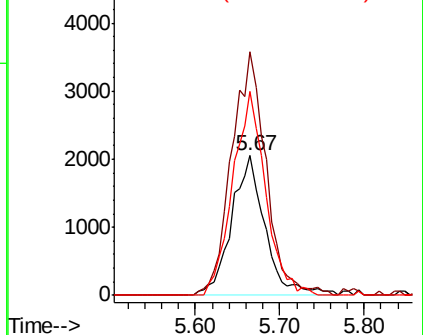
#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBL01

Tot Ion: 56 Resp: 5539
Ion Ratio Lower Upper
56 100
69 174.6 25.4 38.2#
84 146.1 71.4 107.2#

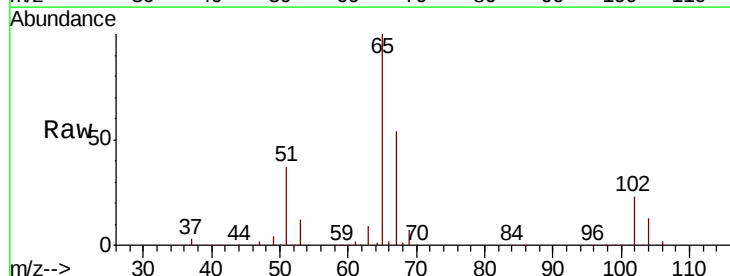


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

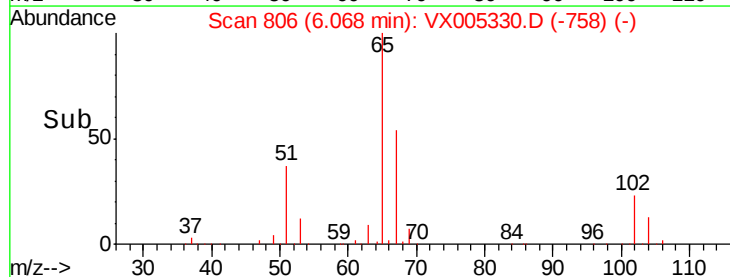
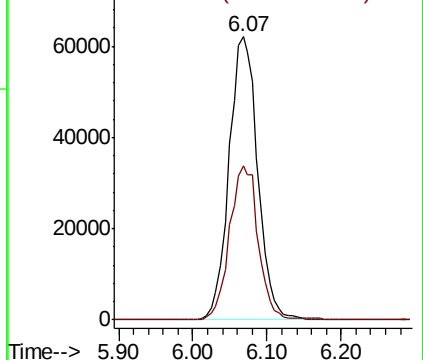


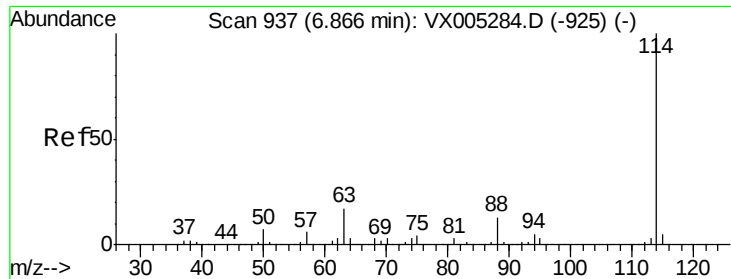
#33
1,2-Dichloroethane-d4
Concen: 49.411 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Tgt Ion: 65 Resp: 167428
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.8



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

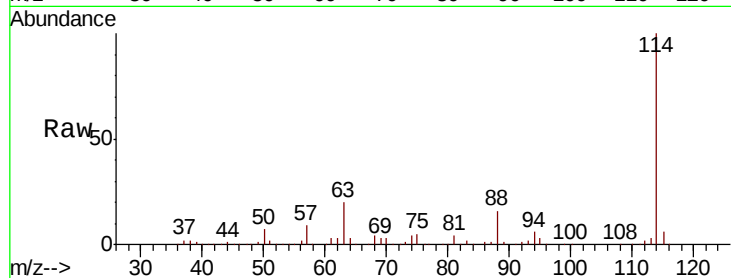




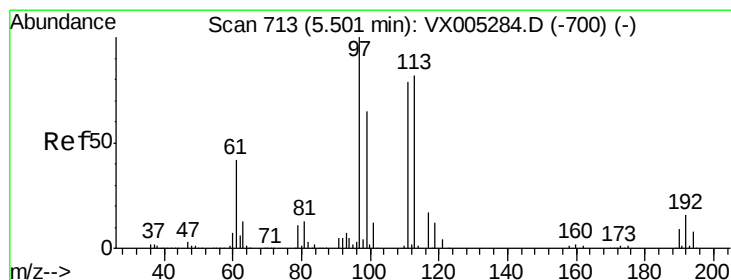
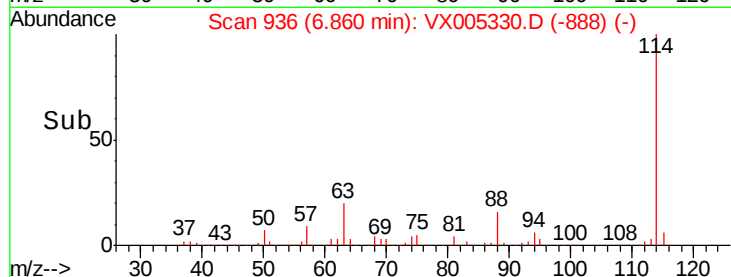
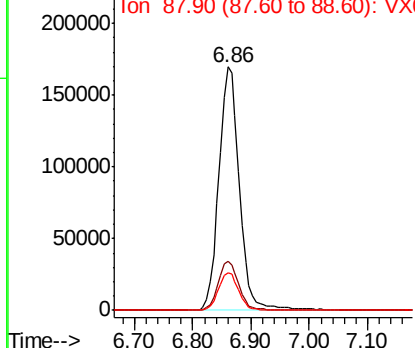
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005330.D
 Acq: 15 Oct 2018 09:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBL01

Tot Ion:114 Resp: 414909
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.6 0.0 30.4

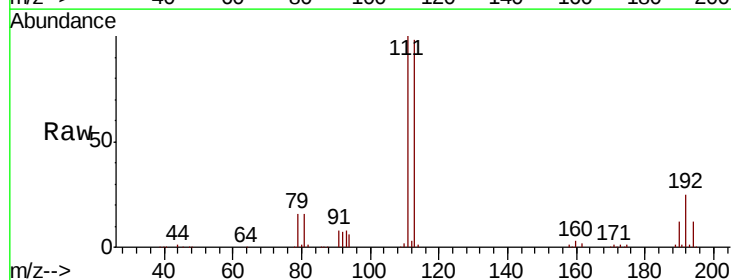


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

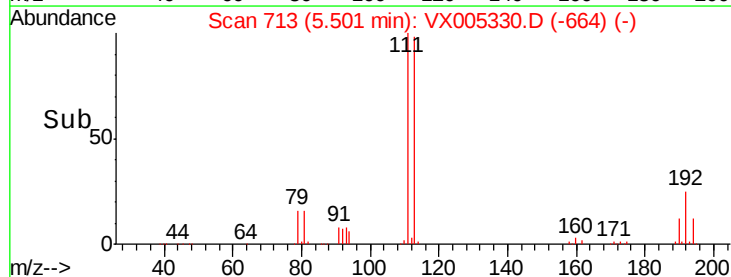
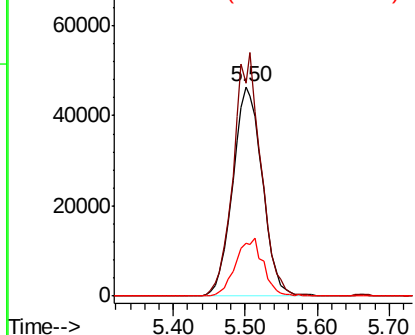


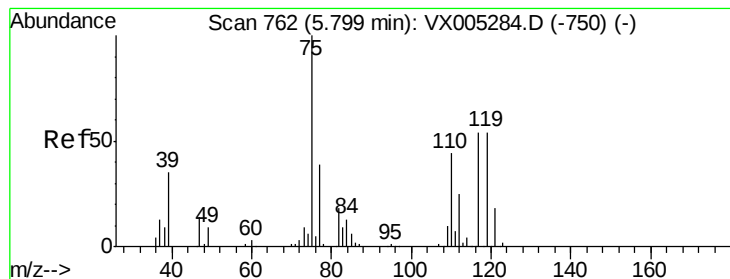
#35
 Dibromofluoromethane
 Concen: 48.135 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005330.D
 Acq: 15 Oct 2018 09:10

Tgt Ion:113 Resp: 132278
 Ion Ratio Lower Upper
 113 100
 111 108.7 82.4 123.6
 192 25.9 19.4 29.2



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: 4.853 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

VX1015WBL01

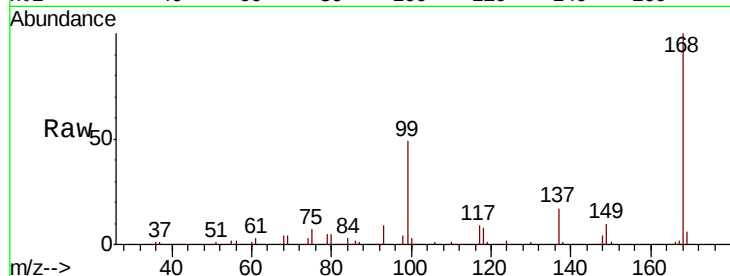
Tot Ion: 75 Resp: 19500

Ion Ratio Lower Upper

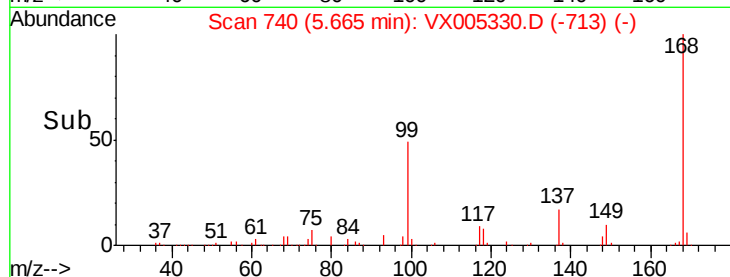
75 100

110 9.5 18.0 54.0#

77 0.0 24.6 36.8#



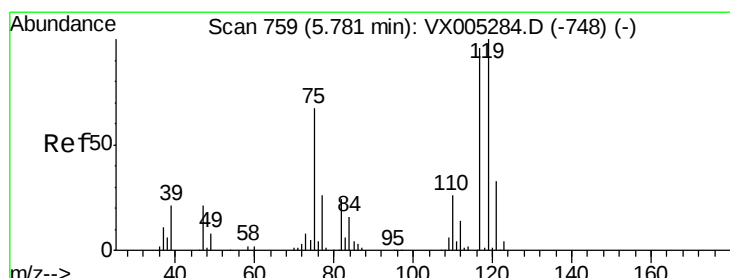
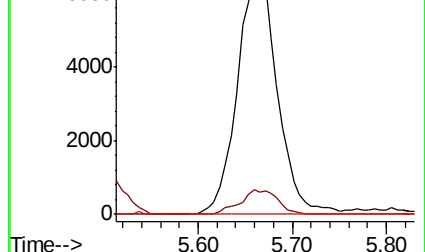
Abundance Ion 74.90 (74.60 to 75.60): VX005330.D (-713) (-)



Ion 109.90 (109.60 to 110.60): VX005330.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX005330.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.787 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

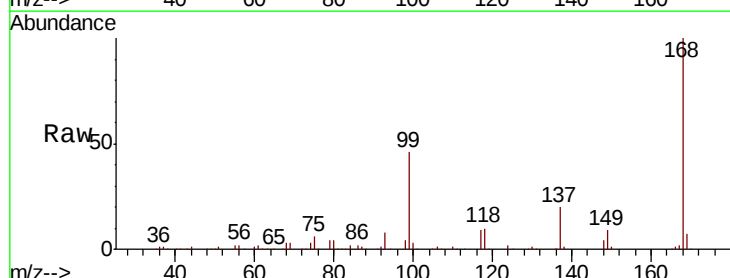
Tgt Ion: 117 Resp: 27405

Ion Ratio Lower Upper

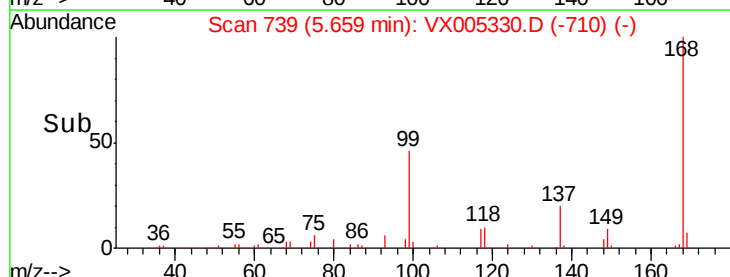
117 100

119 5.0 78.8 118.2#

121 0.0 24.9 37.3#



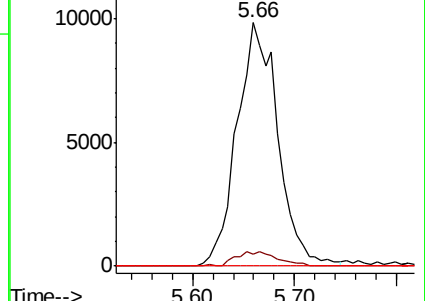
Abundance Ion 116.80 (116.50 to 117.50): VX005330.D (-710) (-)

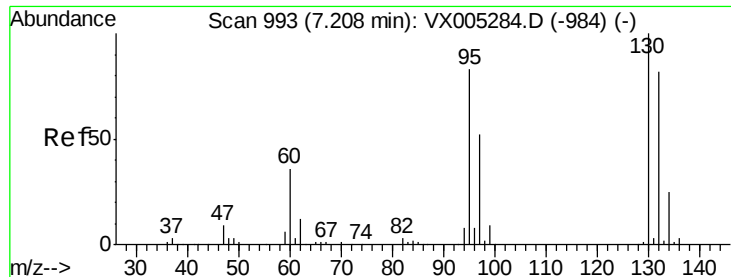


Ion 118.80 (118.50 to 119.50): VX005330.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005330.D (-710) (-)

Time-->





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampled :

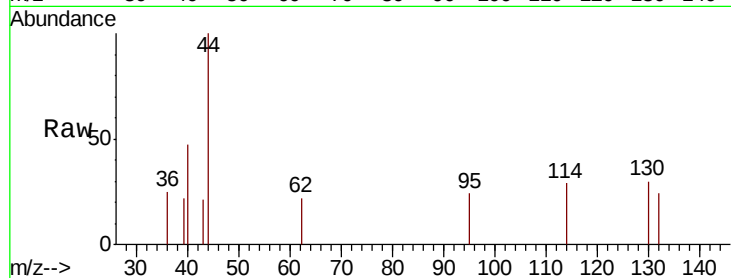
VX1015WBL01

Tot Ion:130 Resp: 28

Ion Ratio Lower Upper

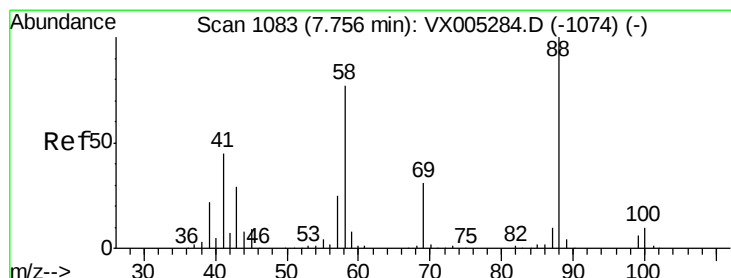
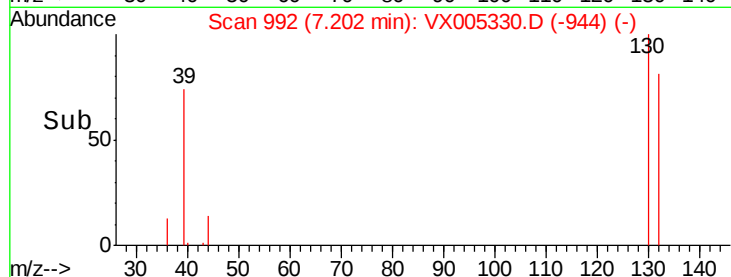
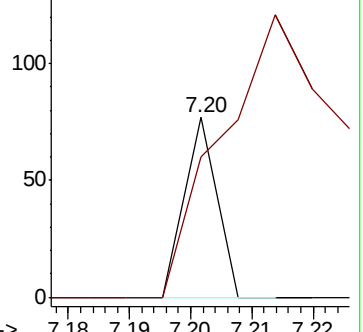
130 100

95 77.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.243 ug/l

RT: 7.79 min Scan# 1089

Delta R.T. 0.04 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

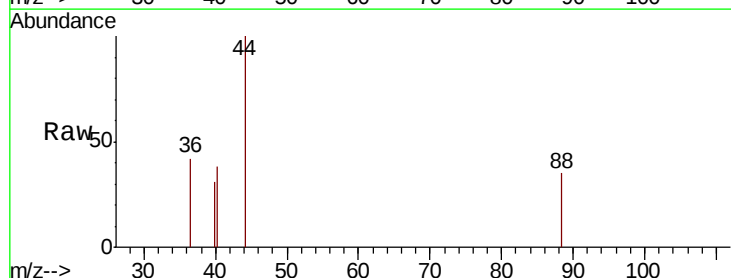
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 24.7 37.1#

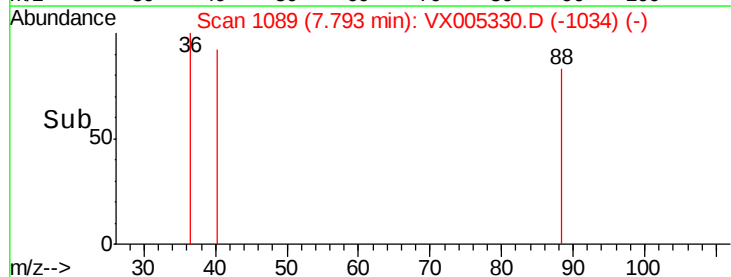
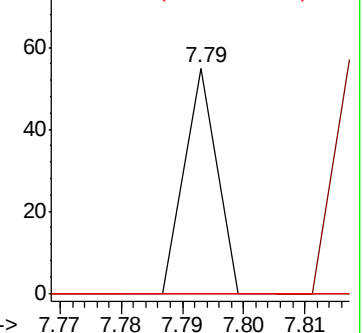
58 0.0 55.3 82.9#

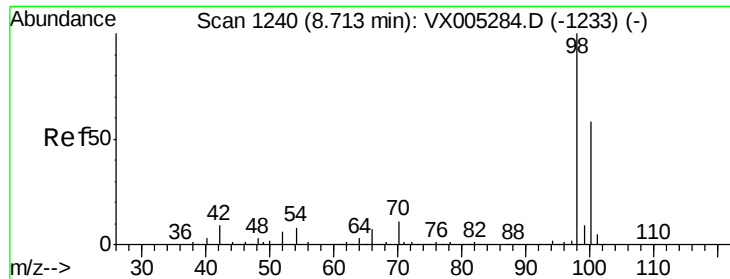


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

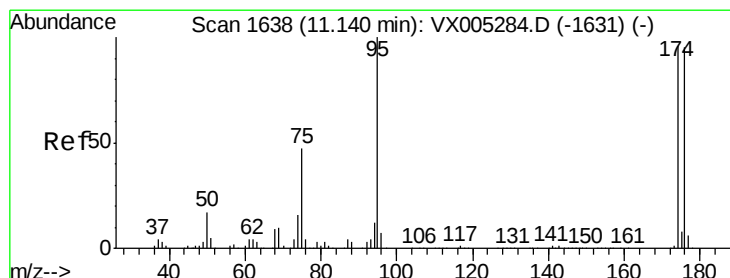
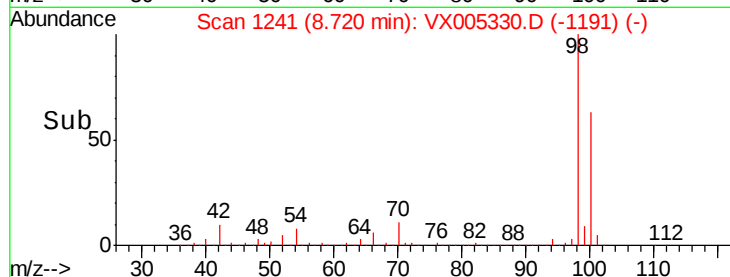
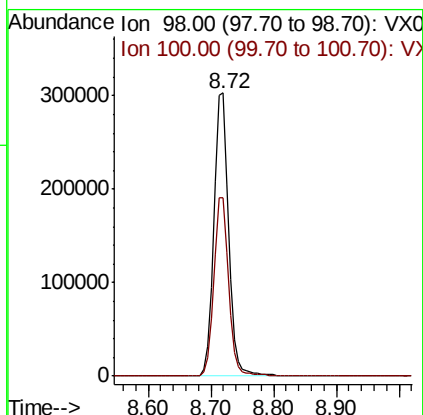
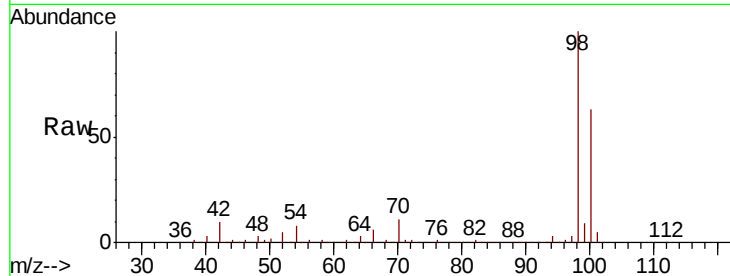




#50
Toluene-d8
Concen: 52.346 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

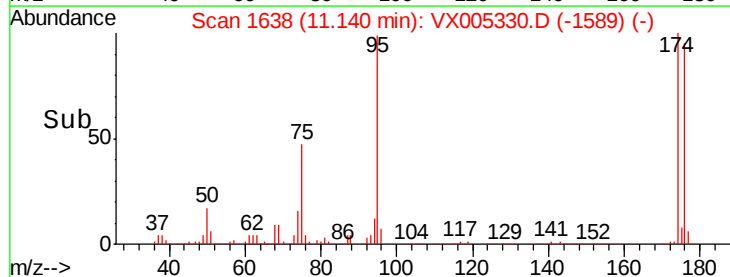
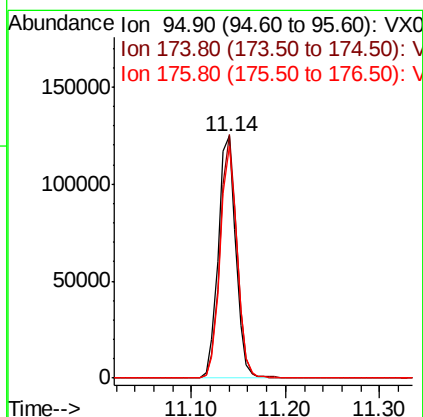
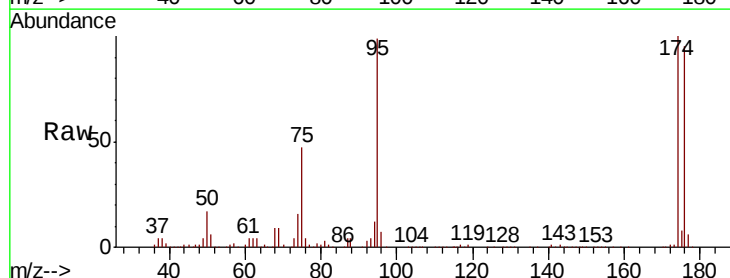
Instrument :
MSVOA_X
ClientSampleId :
VX1015WBL01

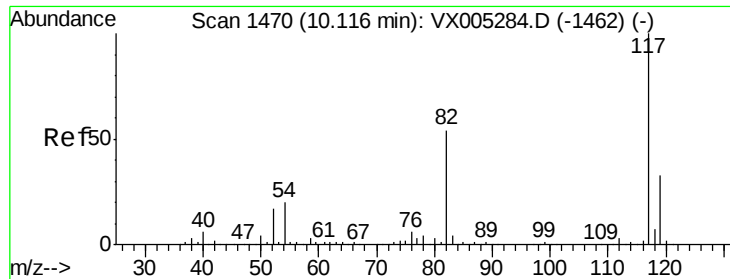
Tot Ion: 98 Resp: 493848
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.552 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Tgt Ion: 95 Resp: 161440
Ion Ratio Lower Upper
95 100
174 96.7 0.0 185.2
176 92.9 0.0 178.6

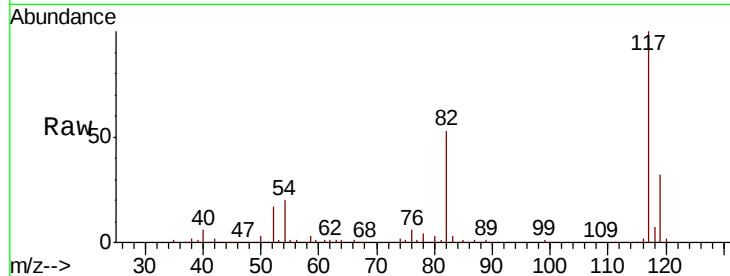




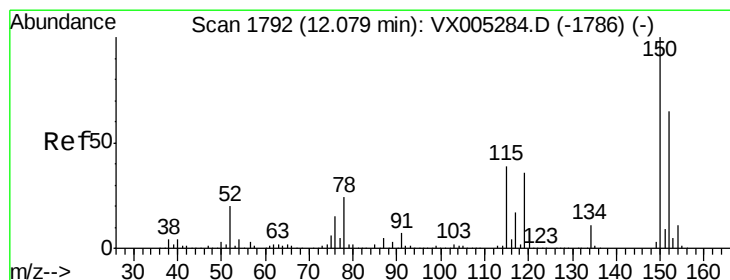
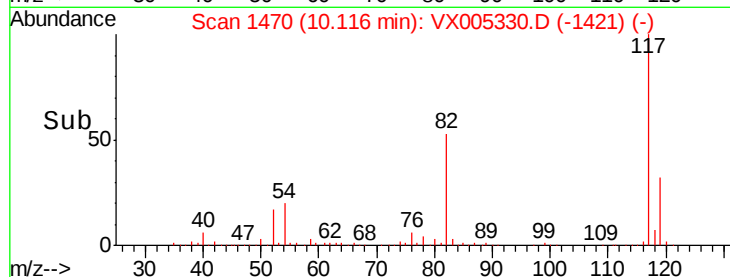
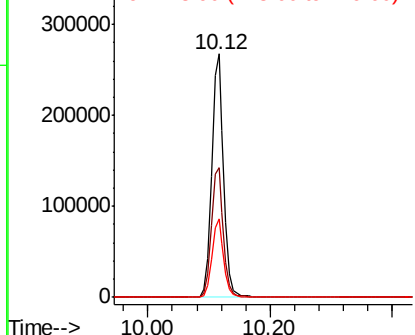
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Instrument :
MSVOA_X
ClientSampleId :
VX1015WBL01

Tot Ion:117 Resp: 370019
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.6
119 32.2 29.3 43.9

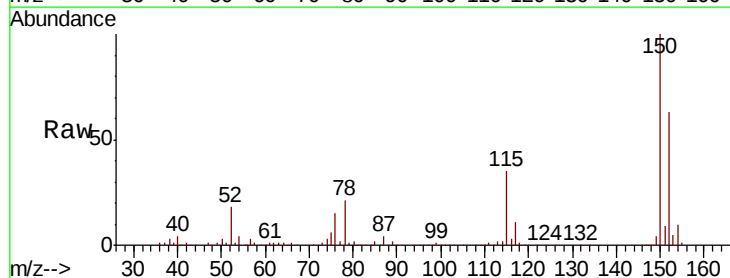


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

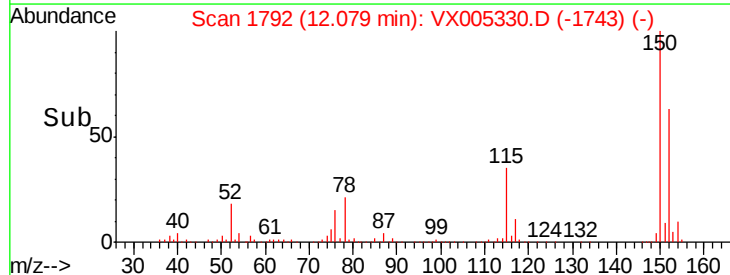
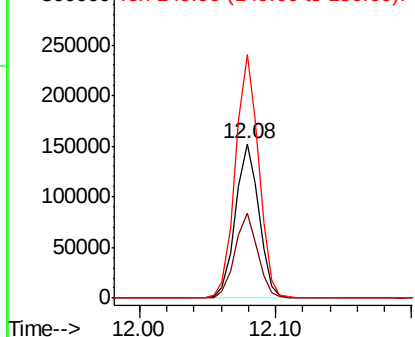


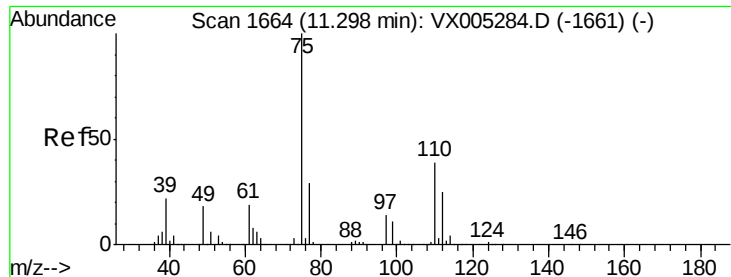
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005330.D
Acq: 15 Oct 2018 09:10

Tgt Ion:152 Resp: 182438
Ion Ratio Lower Upper
152 100
115 53.6 39.0 117.0
150 156.4 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: 22.184 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

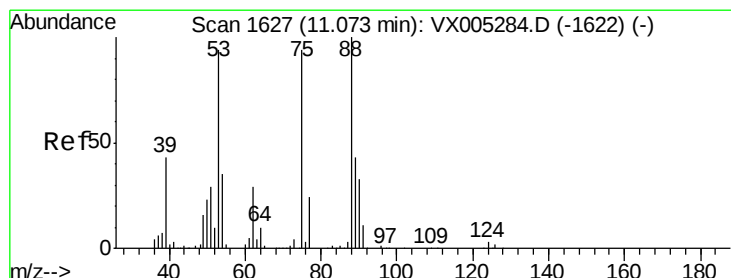
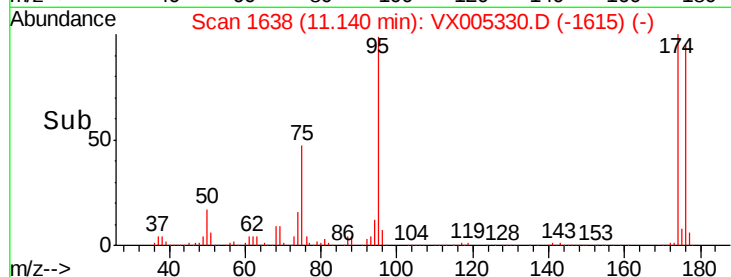
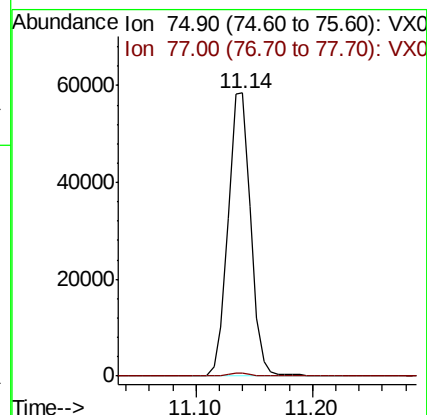
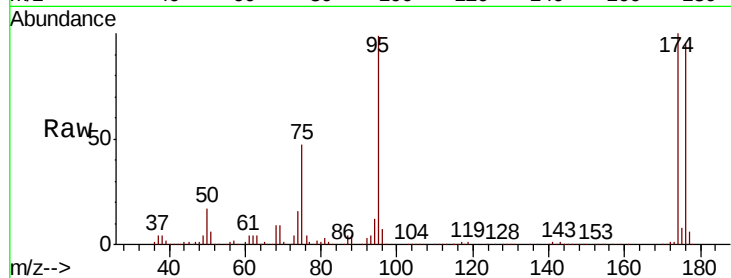
VX1015WBL01

Tot Ion: 75 Resp: 78503

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.405 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005330.D

Acq: 15 Oct 2018 09:10

Tgt Ion: 75 Resp: 78503

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

