

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003253.D
 Acq On : 09 Jul 2018 19:37
 Operator : JC/MD
 Sample : VX0709WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

Quant Time: Jul 10 01:01:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	325072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185312	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	200999	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
35) Dibromofluoromethane	5.51	113	168663	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.72	98	601497	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	11.14	95	206982	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

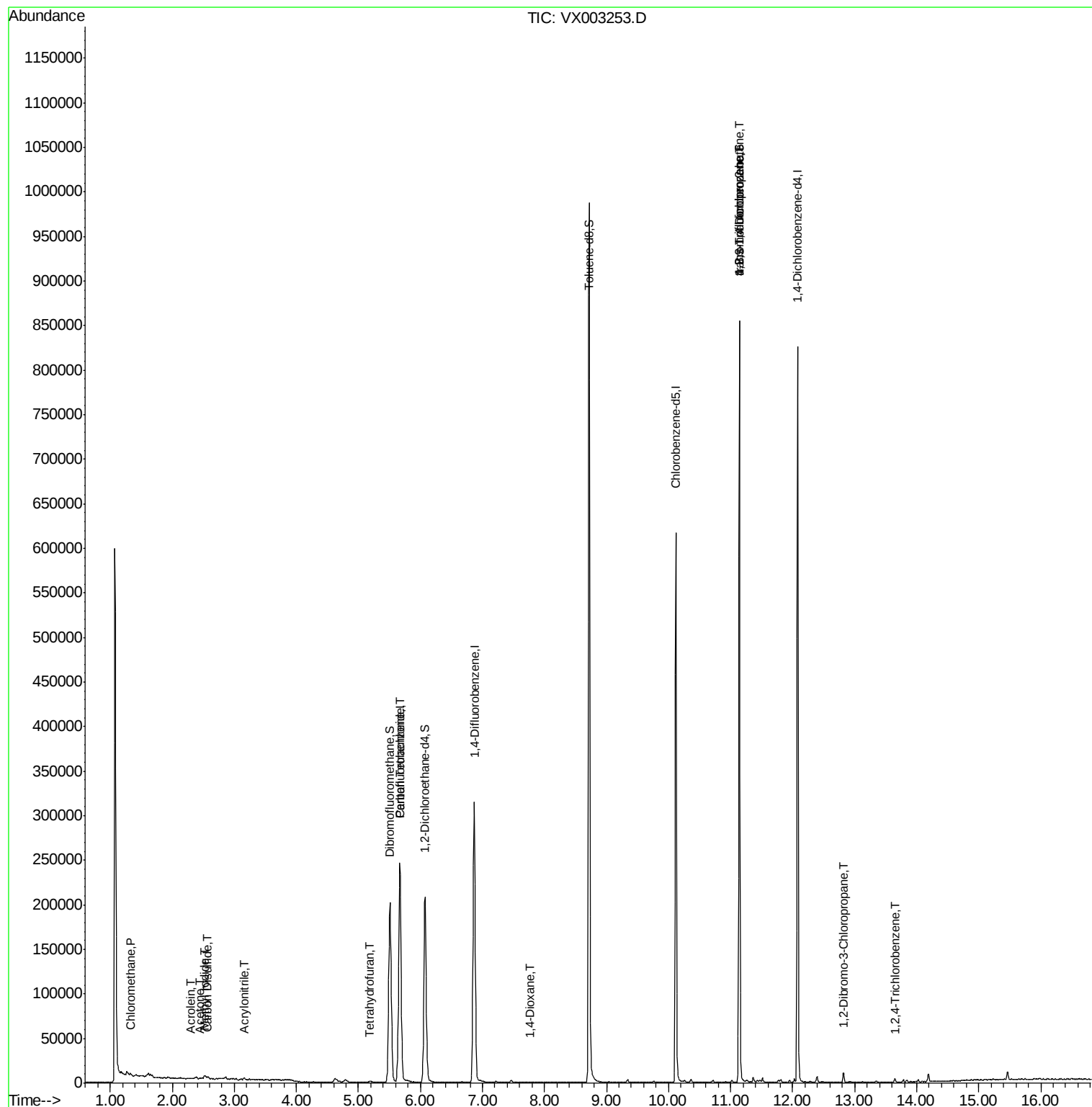
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1222	0.35	ug/l #	79
5) Bromomethane	1.64	94	3304	Below Cal	#	74
10) Methyl Iodide	2.52	142	4429	6.78	ug/l	97
13) Acrolein	2.31	56	601	1.03	ug/l #	42
15) Acrylonitrile	3.15	53	598	0.37	ug/l #	88
16) Acetone	2.45	43	477	0.34	ug/l #	41
17) Carbon Disulfide	2.57	76	2574	0.32	ug/l #	92
20) Methylene Chloride	2.87	84	1042	Below Cal	#	40
29) Tetrahydrofuran	5.18	42	1077	0.66	ug/l #	88
38) Carbon Tetrachloride	5.67	117	21730	4.32	ug/l #	16
49) 1,4-Dioxane	7.77	88	19	0.22	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	100156	25.01	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	100156	81.74	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.81	75	247	0.25	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1146	0.20	ug/l	94

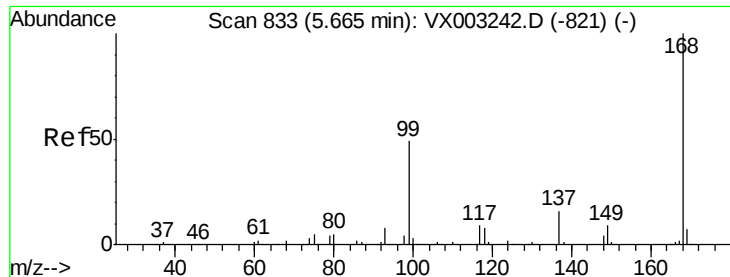
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

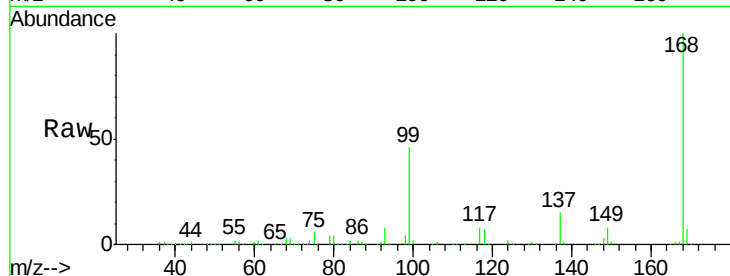
VX0709WBL01

Tot Ion:168 Resp: 254215

Ion Ratio Lower Upper

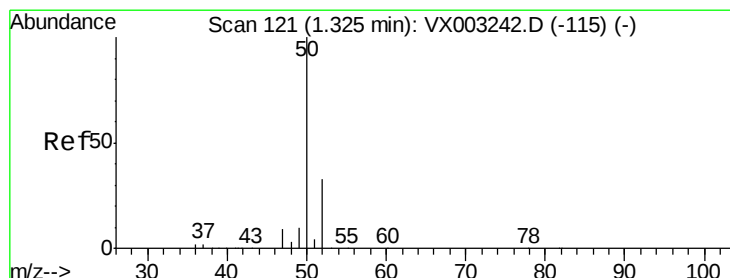
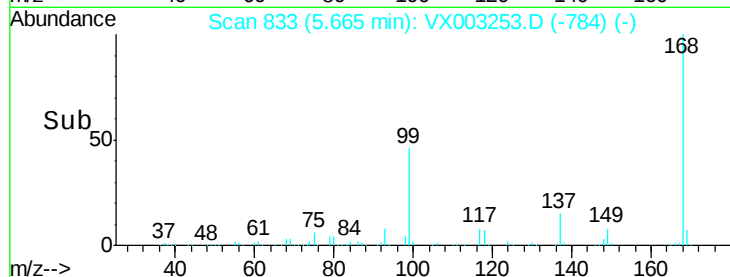
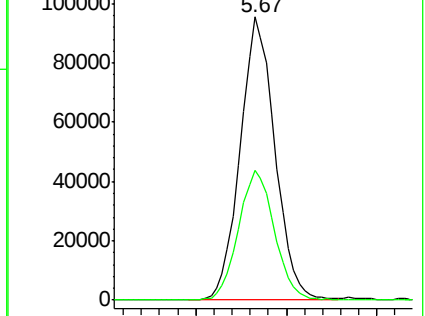
168 100

99 45.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003253.D

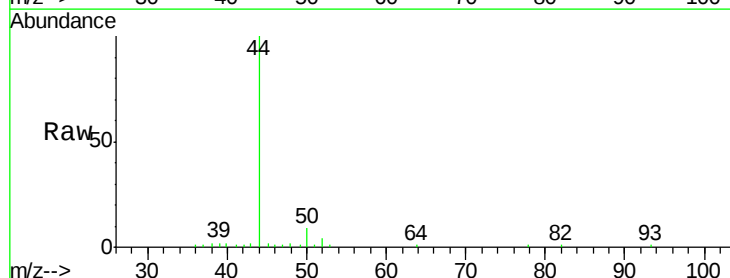
Acq: 09 Jul 2018 19:37

Tgt Ion: 50 Resp: 1222

Ion Ratio Lower Upper

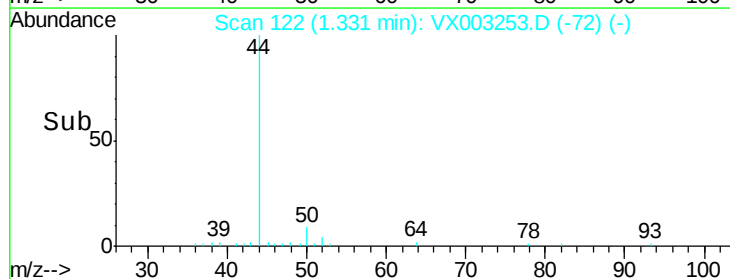
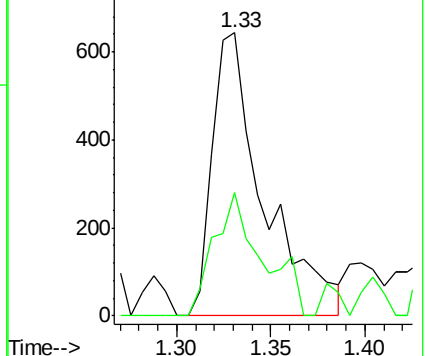
50 100

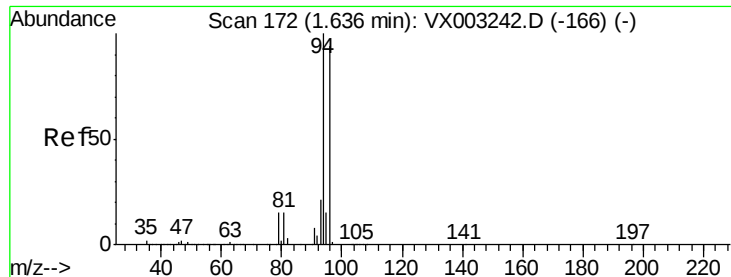
52 43.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

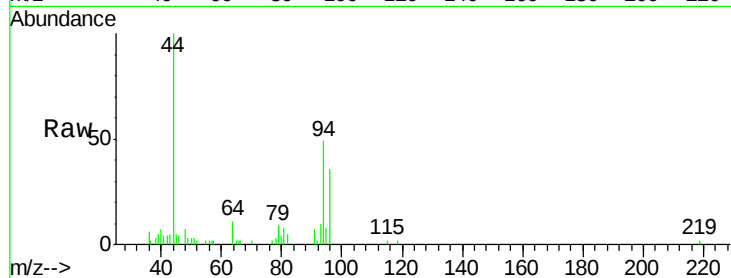
VX0709WBL01

Tot Ion: 94 Resp: 3304

Ion Ratio Lower Upper

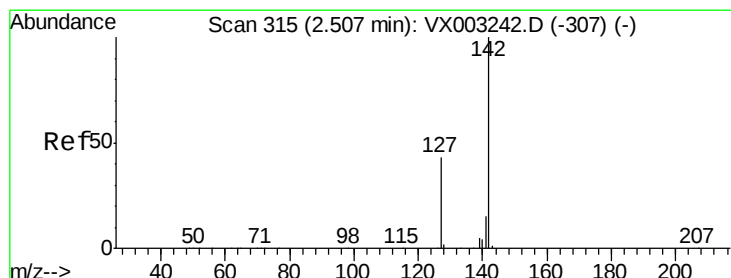
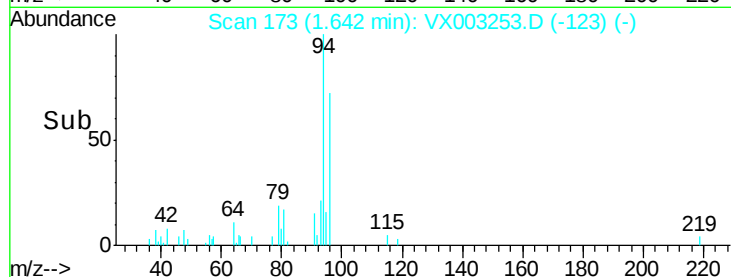
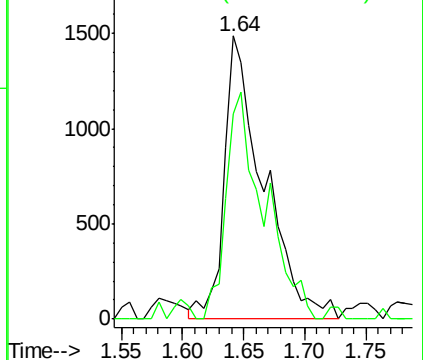
94 100

96 68.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 6.78 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

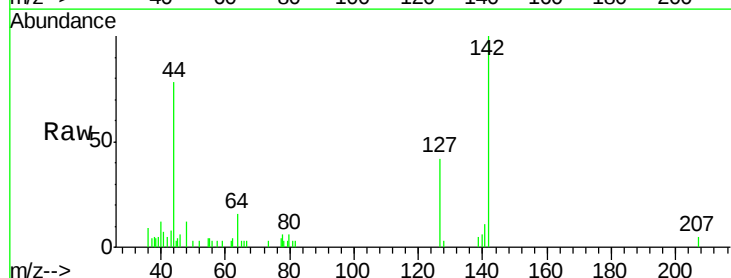
Tgt Ion:142 Resp: 4429

Ion Ratio Lower Upper

142 100

127 48.3 36.6 55.0

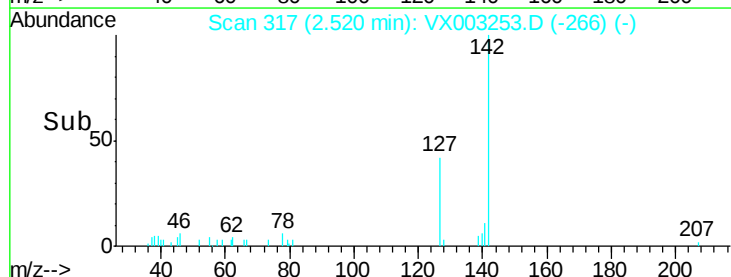
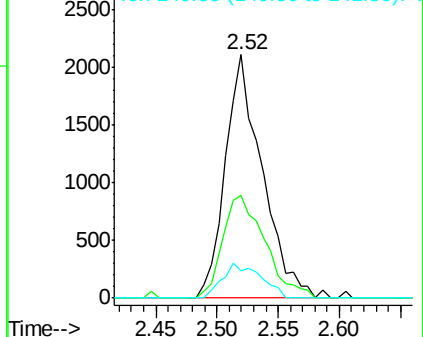
141 14.7 11.3 16.9

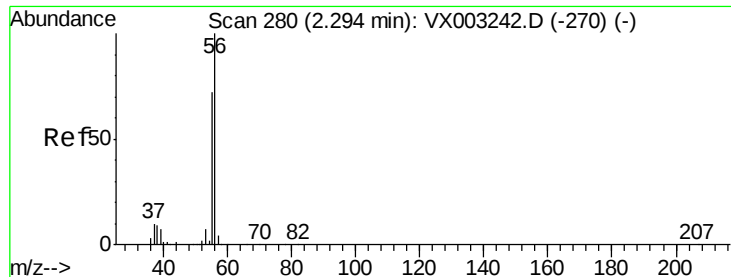


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.03 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

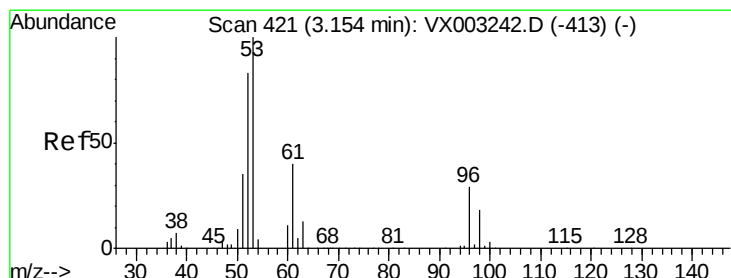
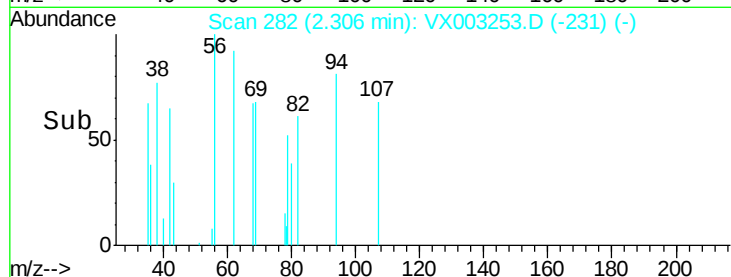
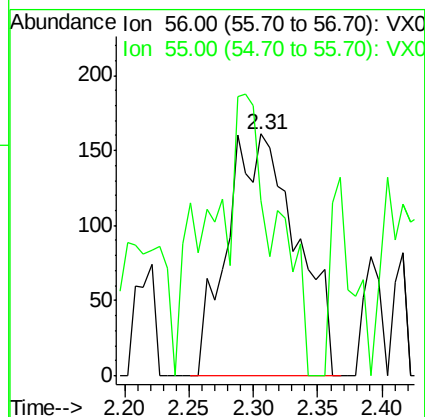
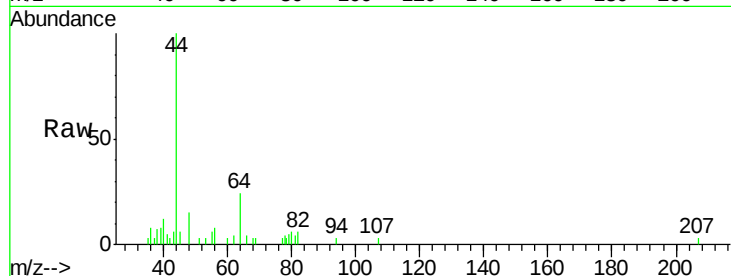
VX0709WBL01

Tot Ion: 56 Resp: 601

Ion Ratio Lower Upper

56 100

55 23.5 57.0 85.4#



#15

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

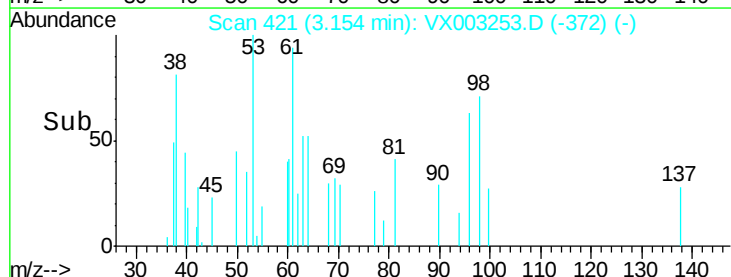
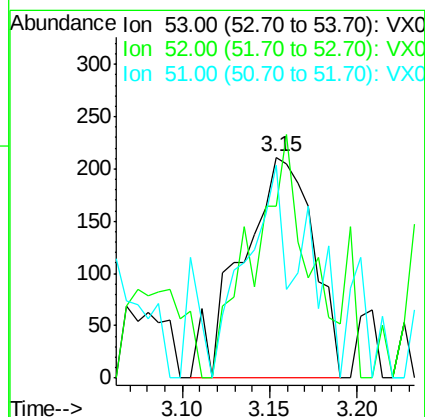
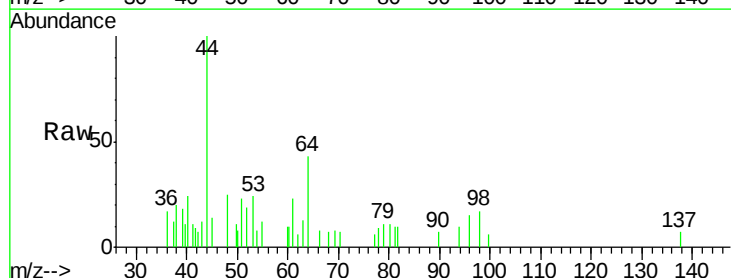
Tgt Ion: 53 Resp: 598

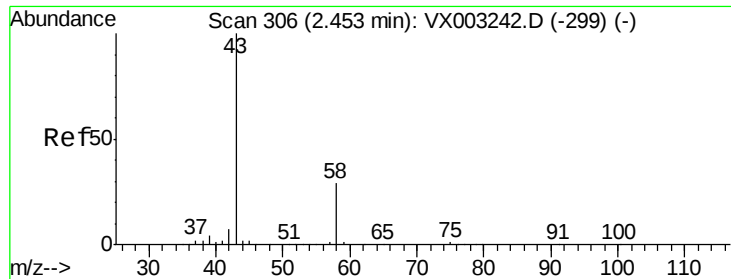
Ion Ratio Lower Upper

53 100

52 85.1 66.7 100.1

51 57.7 29.9 44.9#





#16

Acetone

Concen: 0.34 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

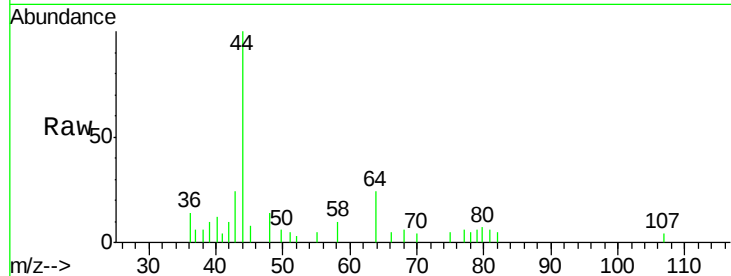
VX0709WBL01

Tot Ion: 43 Resp: 477

Ion Ratio Lower Upper

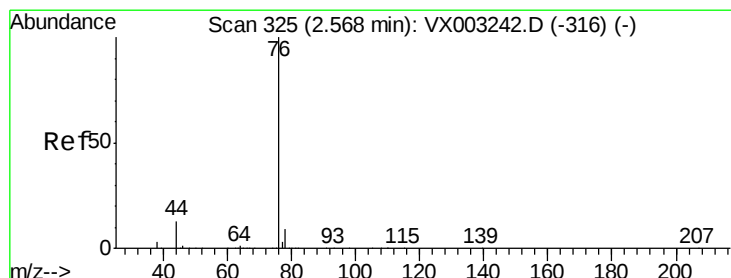
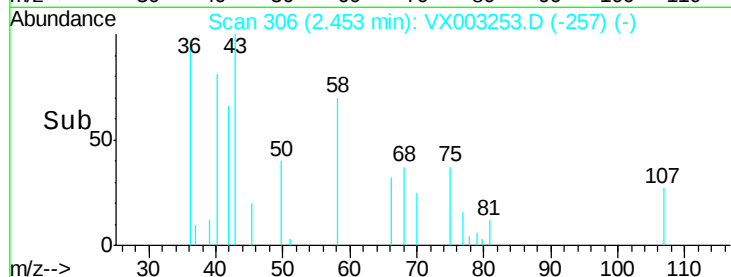
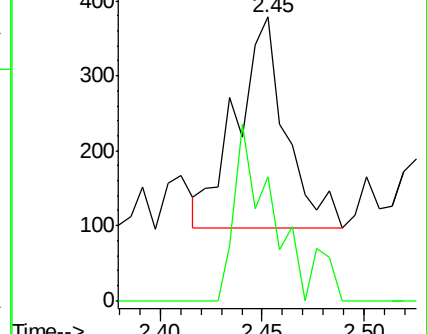
43 100

58 58.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003253.D

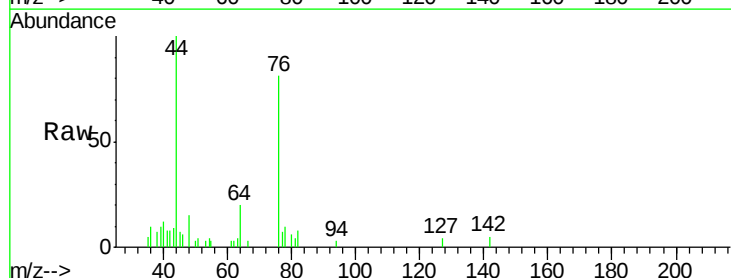
Acq: 09 Jul 2018 19:37

Tgt Ion: 76 Resp: 2574

Ion Ratio Lower Upper

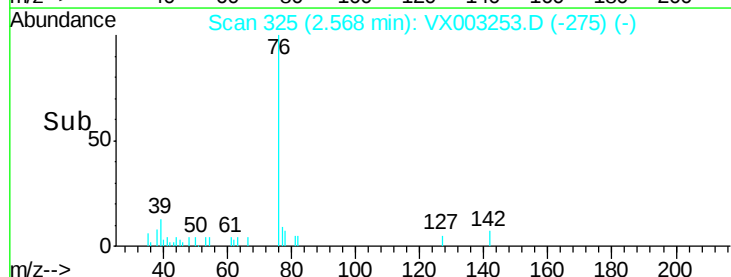
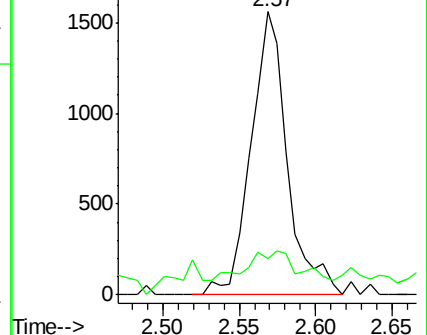
76 100

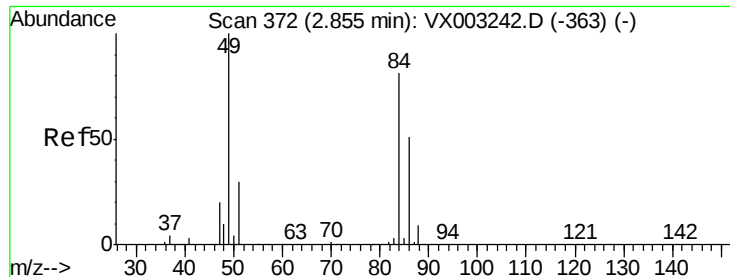
78 5.8 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

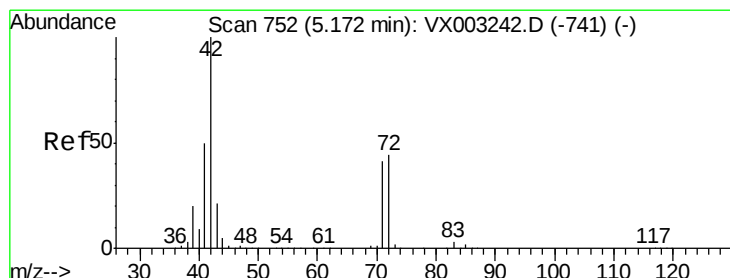
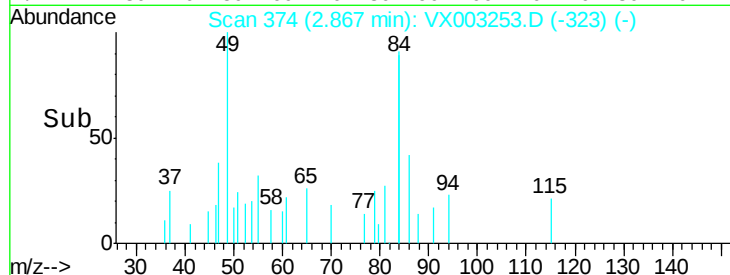
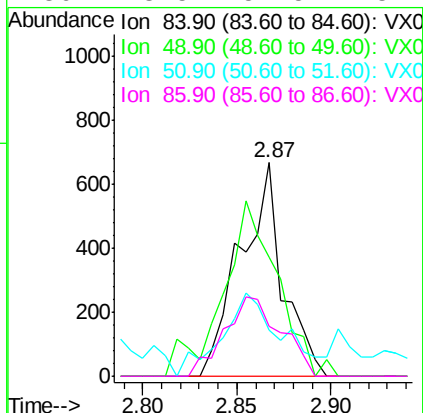
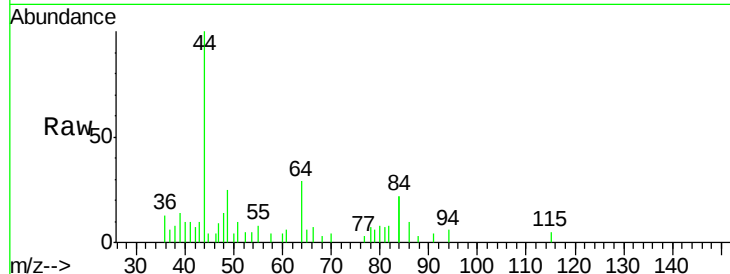




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX003253.D
Acq: 09 Jul 2018 19:37

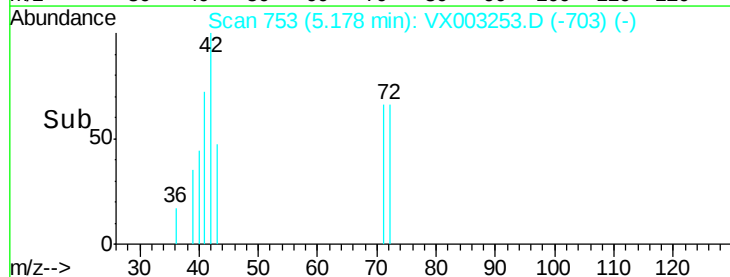
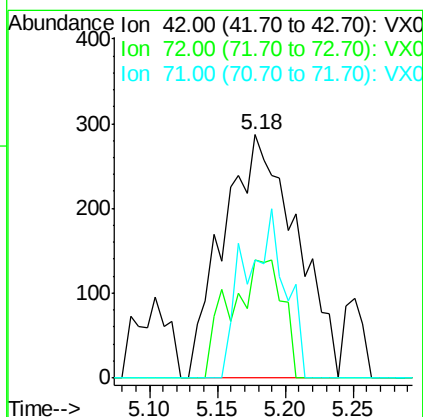
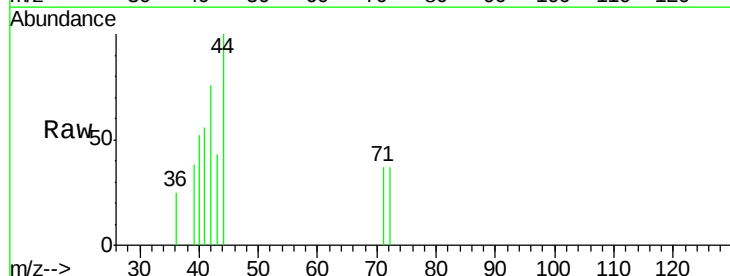
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

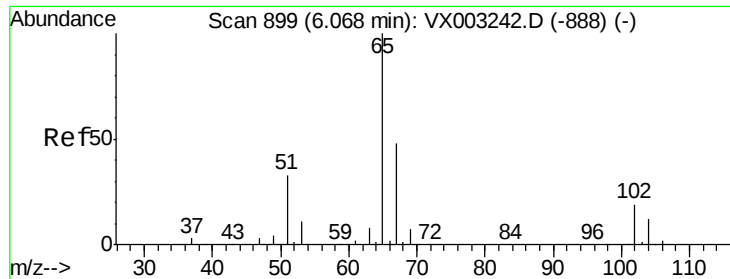
Tot Ion: 84 Resp: 1042
Ion Ratio Lower Upper
84 100
49 55.6 107.8 161.6#
51 10.5 32.8 49.2#
86 23.5 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003253.D
Acq: 09 Jul 2018 19:37

Tgt Ion: 42 Resp: 1077
Ion Ratio Lower Upper
42 100
72 26.3 32.0 48.0#
71 38.3 30.1 45.1





#33

1,2-Dichloroethane-d4

Concen: 50.24 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

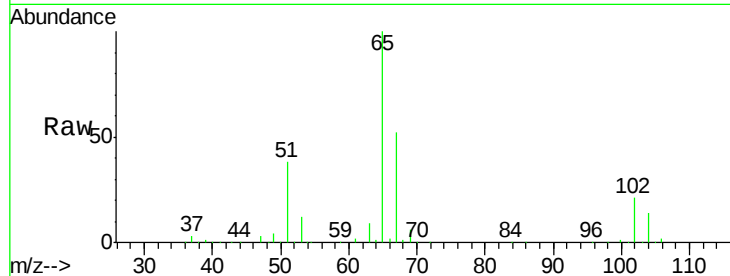
VX0709WBL01

Tot Ion: 65 Resp: 200999

Ion Ratio Lower Upper

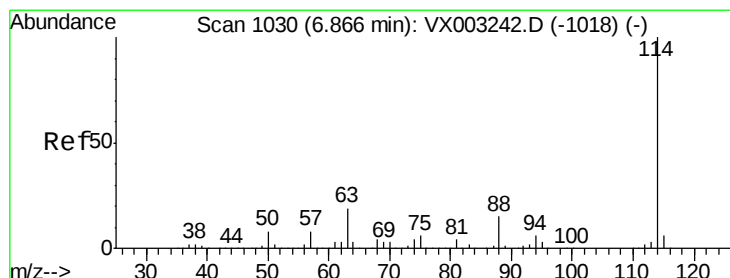
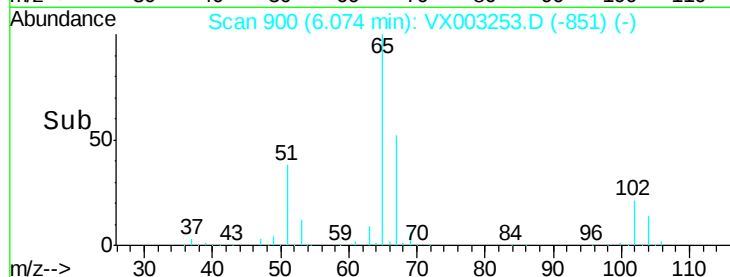
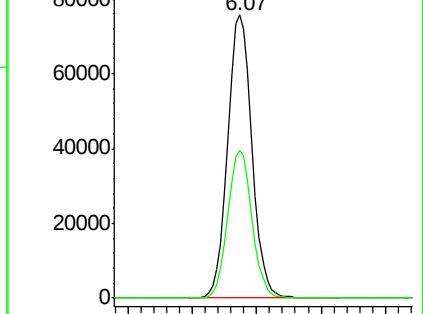
65 100

67 52.2 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: VX003253.D

Acq: 09 Jul 2018 19:37

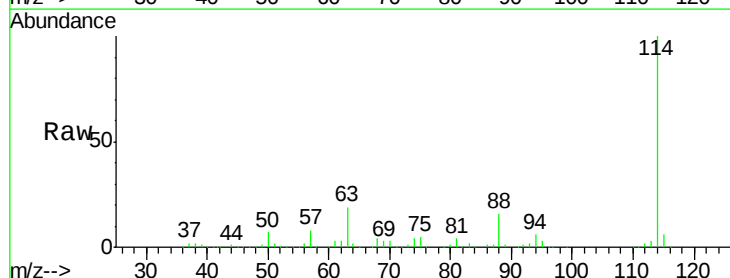
Tgt Ion: 114 Resp: 325072

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

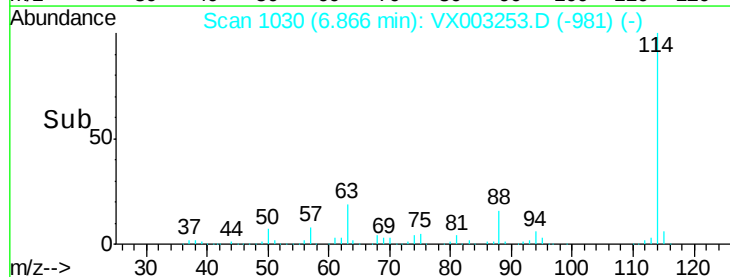
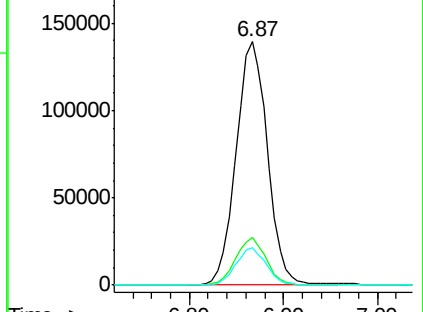
88 15.7 0.0 30.0

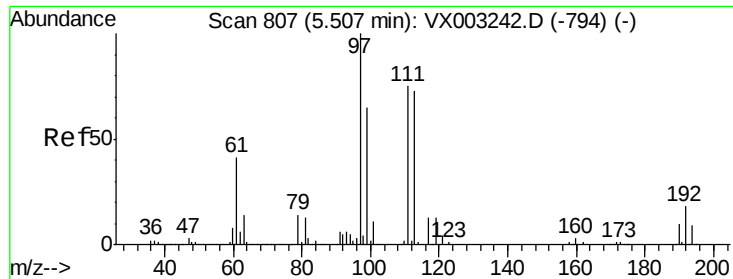


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

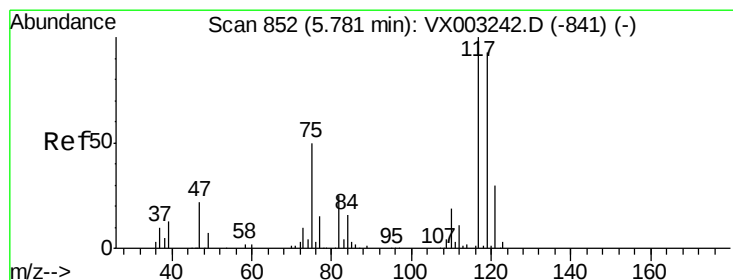
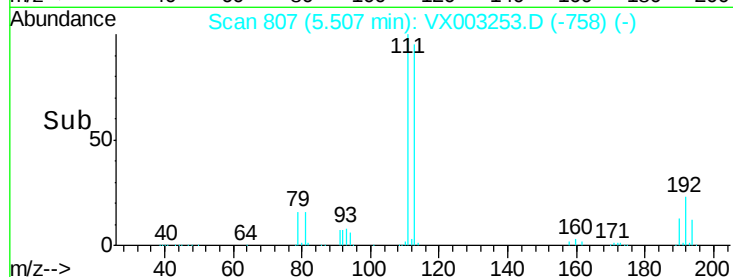
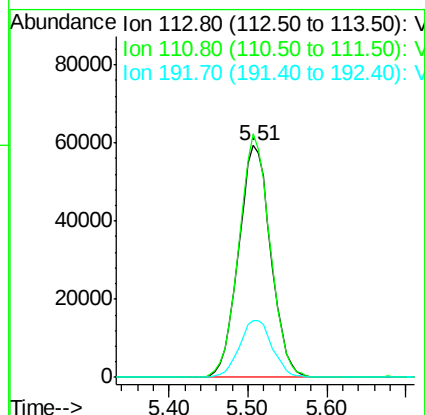
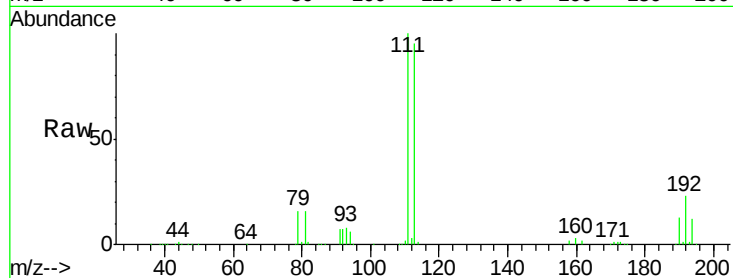




#35
 Dibromofluoromethane
 Concen: 48.29 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003253.D
 Acq: 09 Jul 2018 19:37

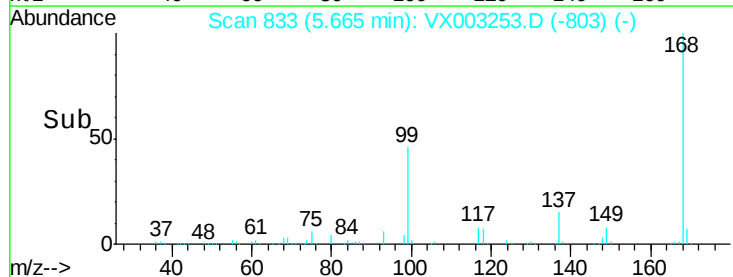
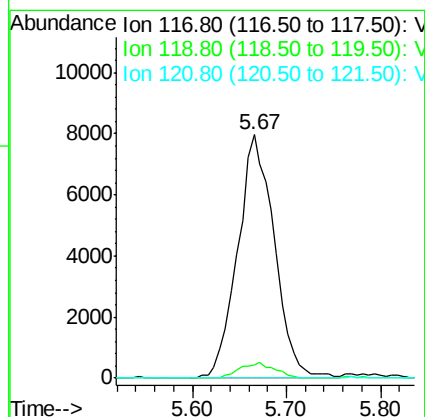
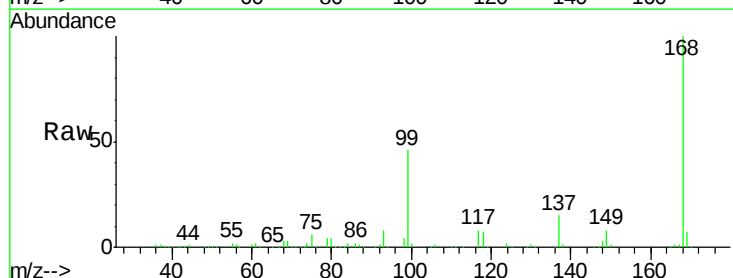
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBL01

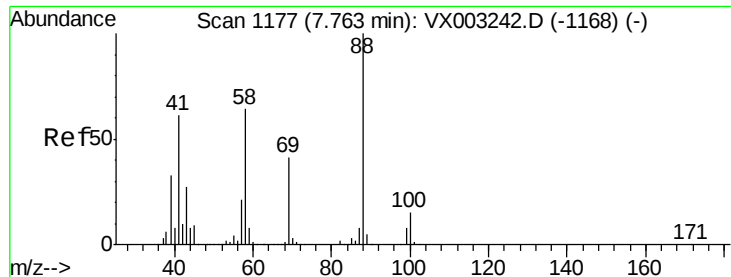
Tot Ion:113 Resp: 168663
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 25.2 19.1 28.7



#38
 Carbon Tetrachloride
 Concen: 4.32 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003253.D
 Acq: 09 Jul 2018 19:37

Tgt Ion:117 Resp: 21730
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.4 116.0#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.22 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

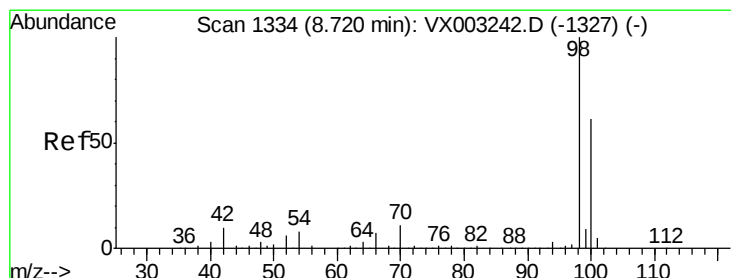
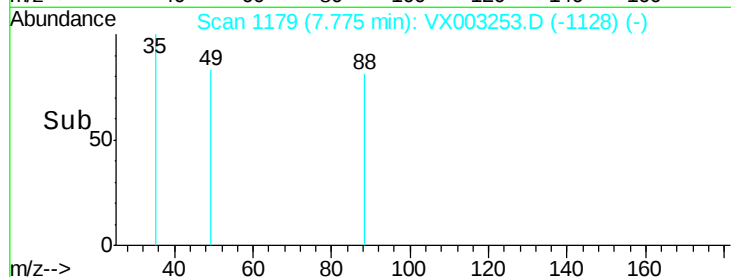
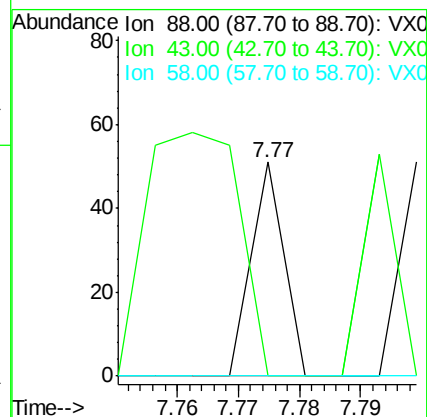
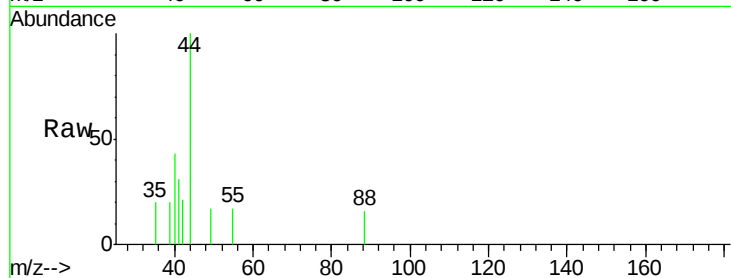
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 321.1 29.8 44.6#

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 48.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003253.D

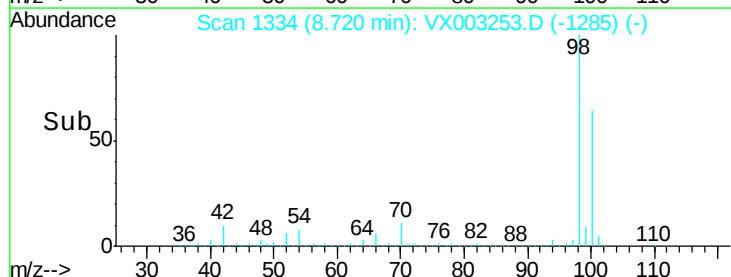
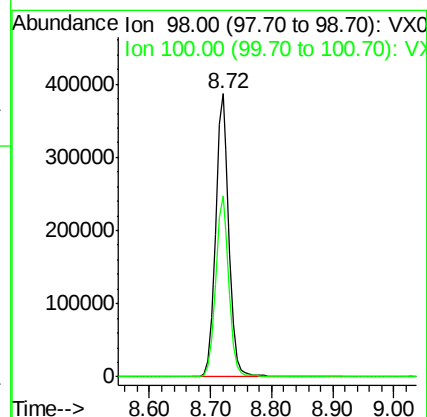
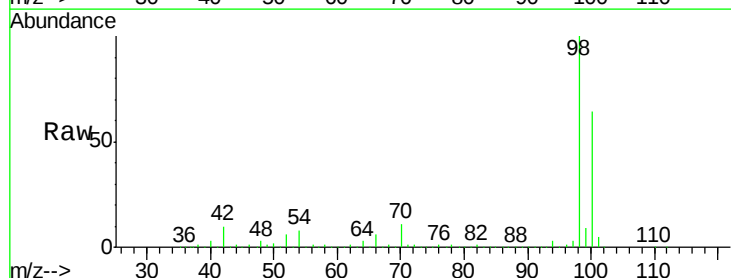
Acq: 09 Jul 2018 19:37

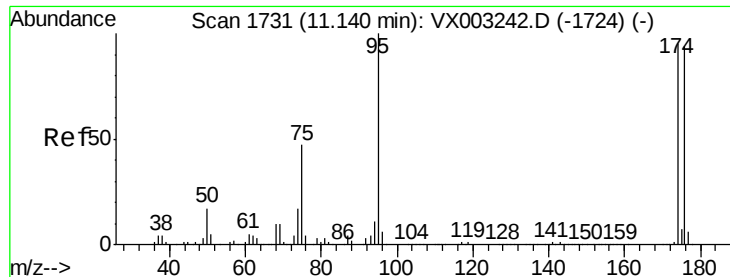
Tgt Ion: 98 Resp: 601497

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3

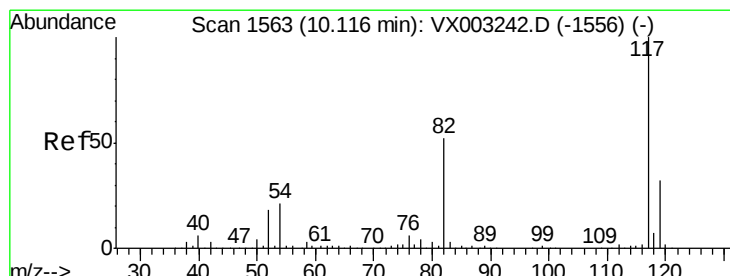
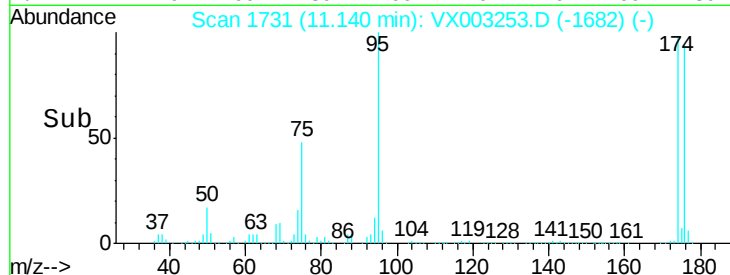
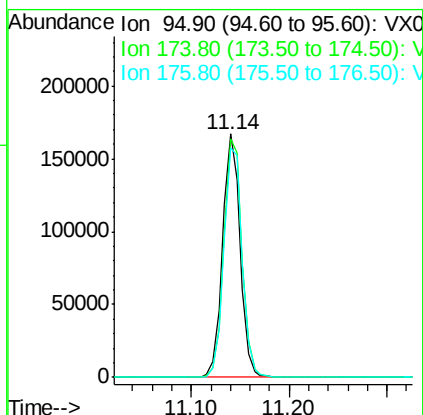
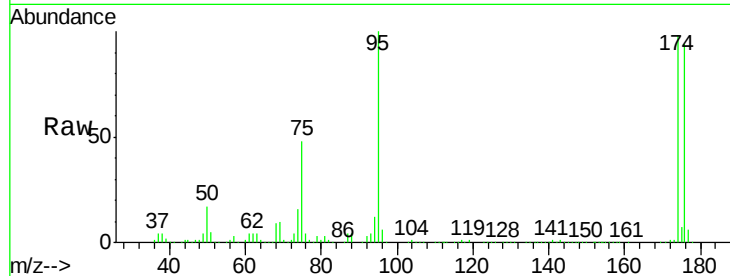




#62
4-Bromofluorobenzene
Concen: 45.16 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003253.D
Acq: 09 Jul 2018 19:37

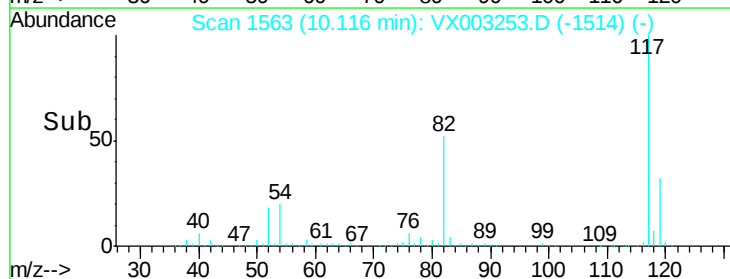
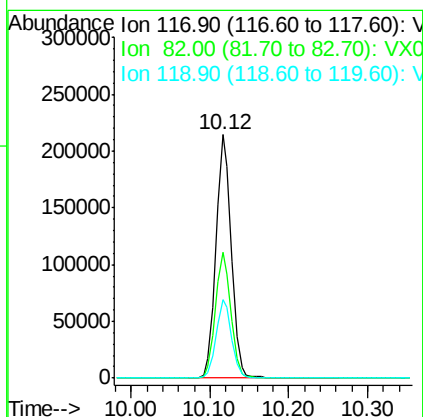
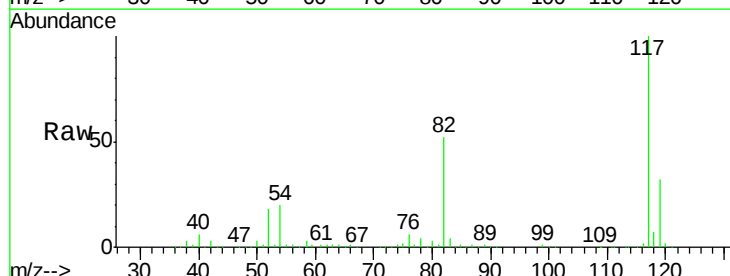
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBL01

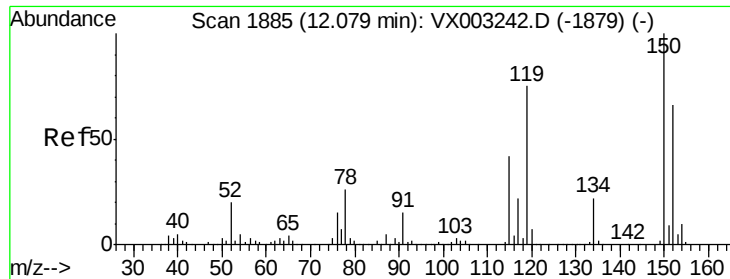
Tot Ion: 95 Resp: 206982
Ion Ratio Lower Upper
95 100
174 101.3 0.0 187.4
176 98.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003253.D
Acq: 09 Jul 2018 19:37

Tgt Ion: 117 Resp: 291955
Ion Ratio Lower Upper
117 100
82 51.6 45.0 67.4
119 32.0 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: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

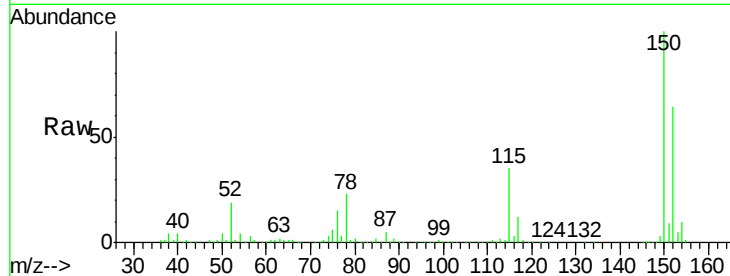
Tot Ion:152 Resp: 185312

Ion Ratio Lower Upper

152 100

115 53.3 40.1 120.2

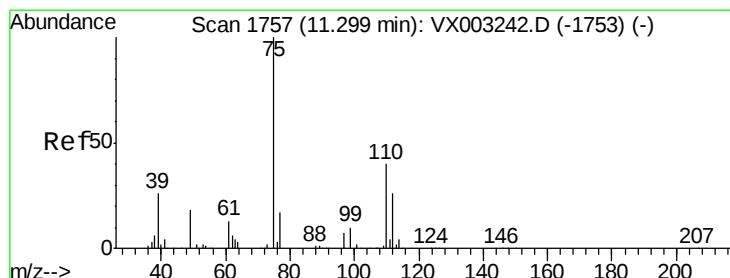
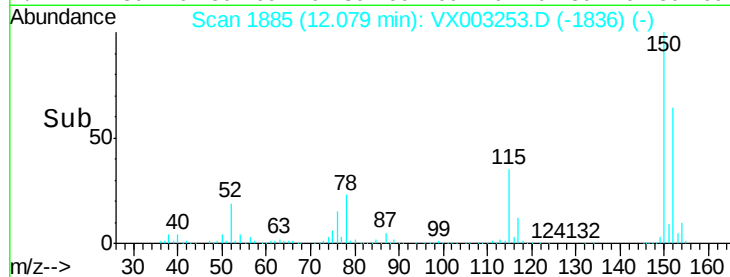
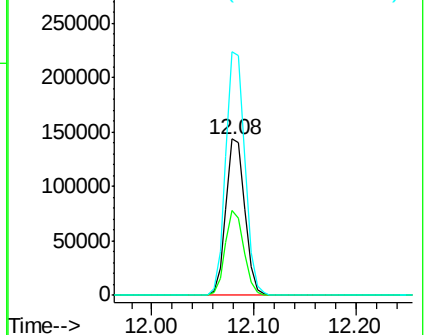
150 157.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003253.D

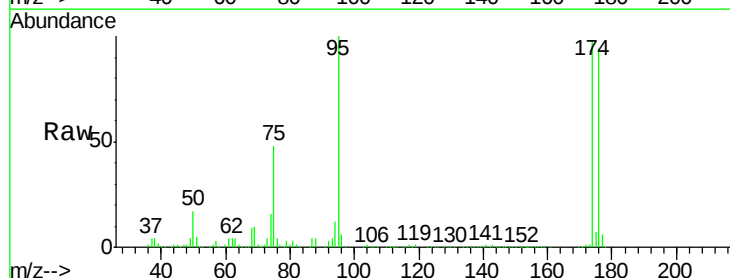
Acq: 09 Jul 2018 19:37

Tgt Ion: 75 Resp: 100156

Ion Ratio Lower Upper

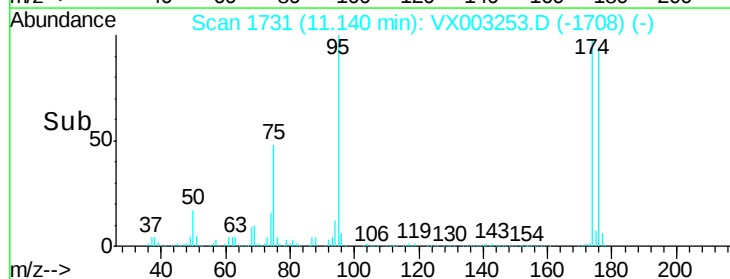
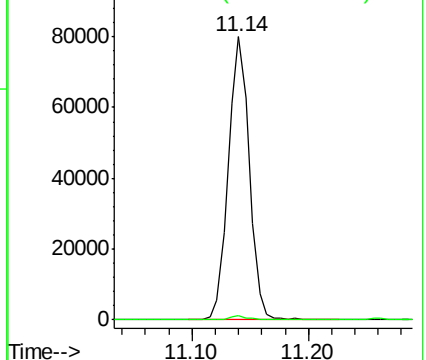
75 100

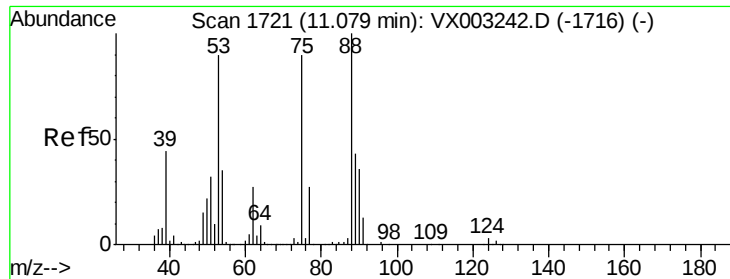
77 1.2 22.8 68.3#



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: 81.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

VX0709WBL01

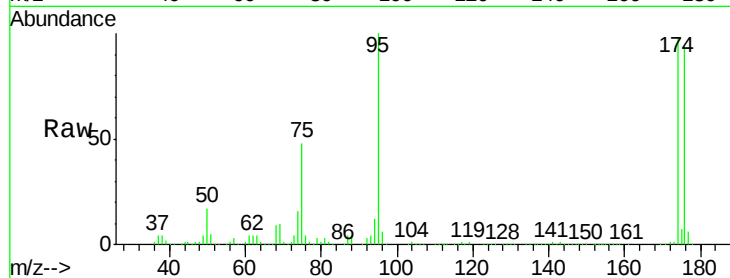
Tot Ion: 75 Resp: 100156

Ion Ratio Lower Upper

75 100

53 0.3 86.8 130.2#

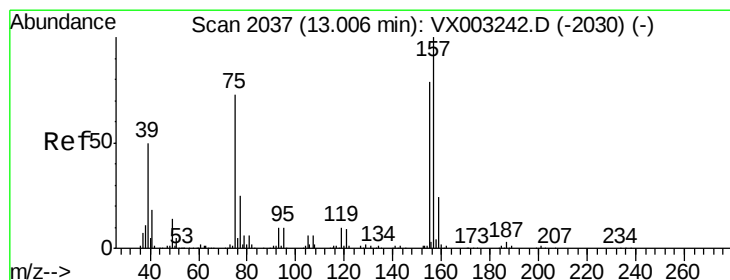
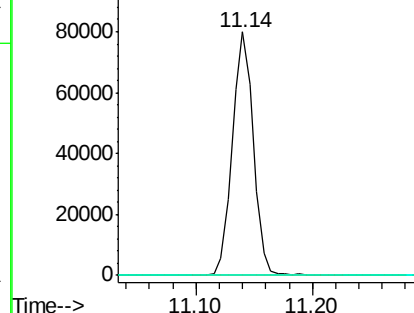
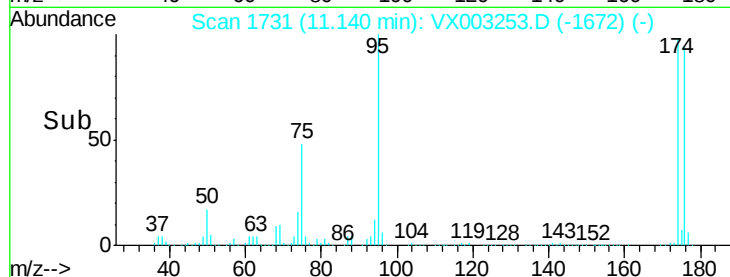
89 0.0 38.2 57.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.25 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.20 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

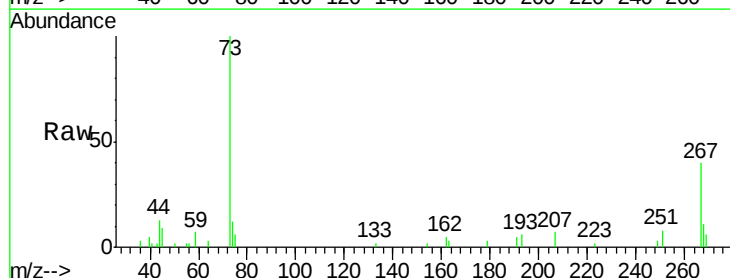
Tgt Ion: 75 Resp: 247

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

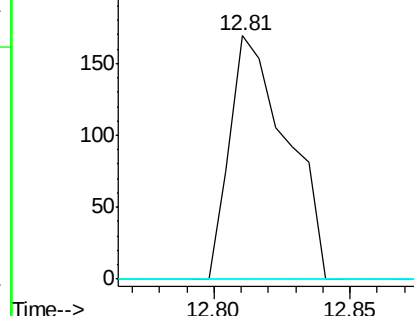
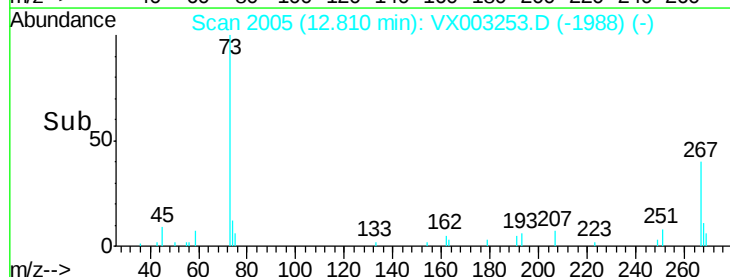
157 0.0 60.1 180.3#

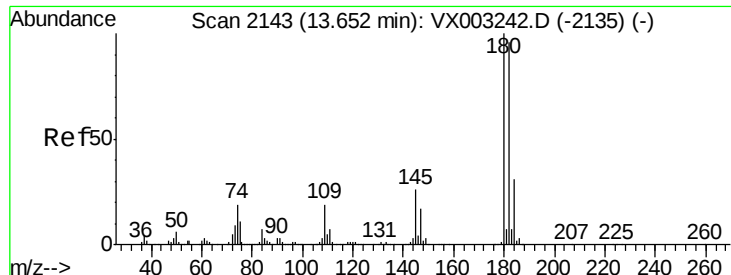


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.20 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003253.D

Acq: 09 Jul 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBL01

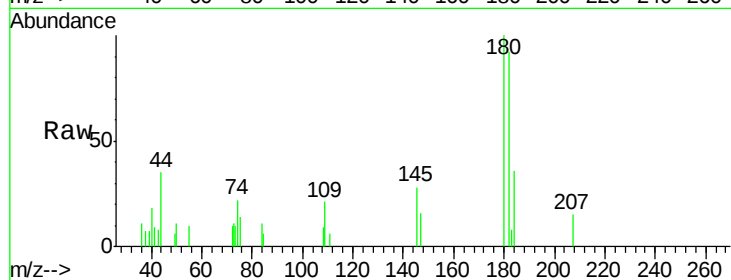
Tot Ion:180 Resp: 1146

Ion Ratio Lower Upper

180 100

182 102.0 47.7 143.1

145 27.4 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

