

Data File : VX004199.D
Acq On : 22 Aug 2018 15:23
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 23 05:48:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	293856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	207170	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	5.50	113	178528	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	8.71	98	638796	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	211531	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	

Target Compounds

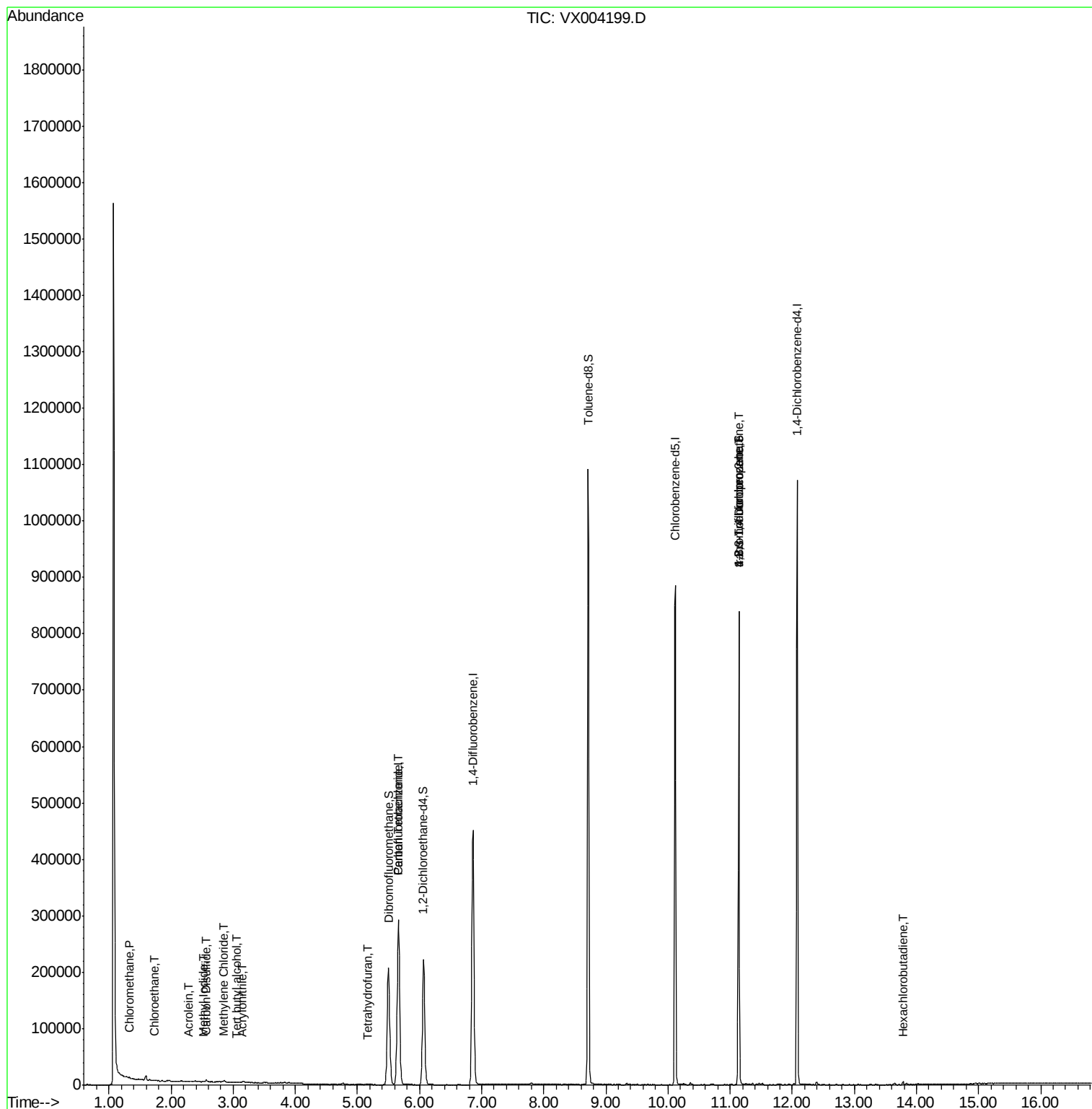
					Qvalue	
3) Chloromethane	1.32	50	1339	0.644	ug/l	95
5) Bromomethane	1.65	94	1098	Below Cal		99
6) Chloroethane	1.73	64	66	0.992	ug/l #	49
10) Methyl Iodide	2.51	142	811	4.464	ug/l #	95
11) Tert butyl alcohol	3.05	59	187	0.229	ug/l #	72
13) Acrolein	2.29	56	268	1.362	ug/l	96
15) Acrylonitrile	3.14	53	901	0.446	ug/l	93
16) Acetone	2.44	43	930	Below Cal	#	81
17) Carbon Disulfide	2.57	76	3586	1.206	ug/l	97
20) Methylene Chloride	2.85	84	796	0.216	ug/l #	88
25) 2-Butanone	4.69	43	219	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	1033	0.628	ug/l #	84
38) Carbon Tetrachloride	5.66	117	25711	5.293	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	105893	23.382	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	105893	75.863	ug/l #	10
94) Hexachlorobutadiene	13.78	225	937	0.254	ug/l	93

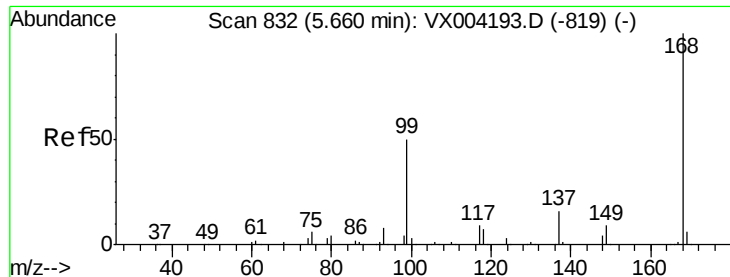
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

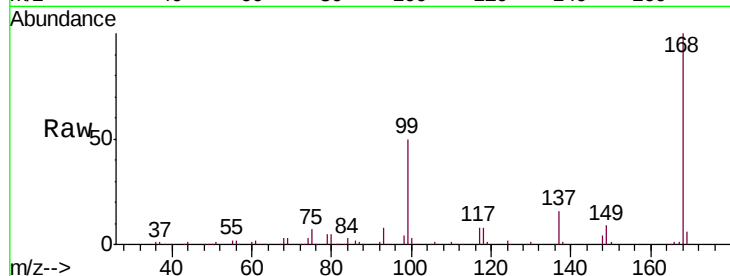
VX0822WBL01

Tgt Ion:168 Resp: 293856

Ion Ratio Lower Upper

168 100

99 49.9 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

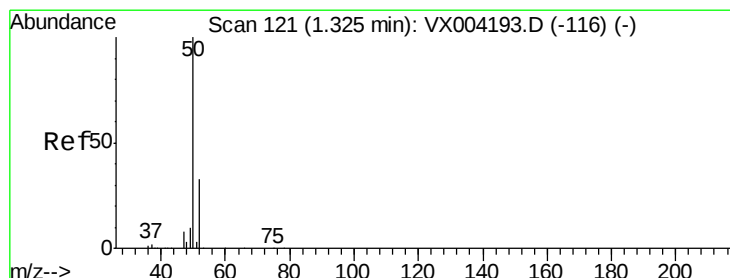
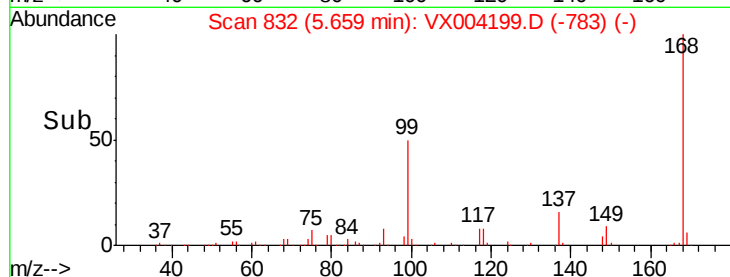
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.644 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004199.D

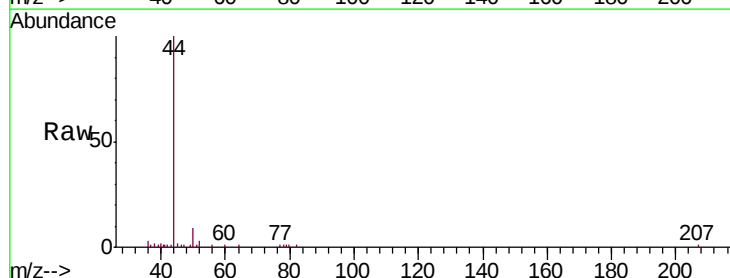
Acq: 22 Aug 2018 15:23

Tgt Ion: 50 Resp: 1339

Ion Ratio Lower Upper

50 100

52 30.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

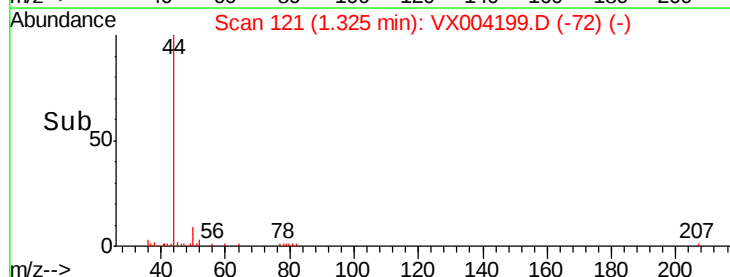
600

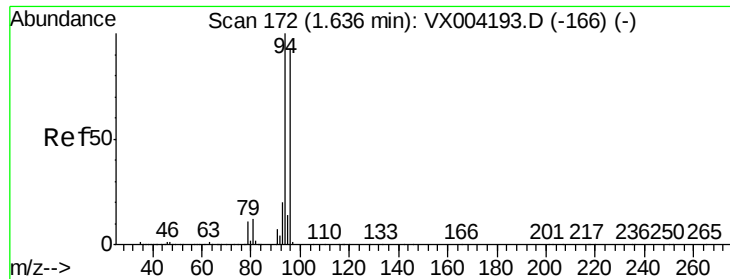
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

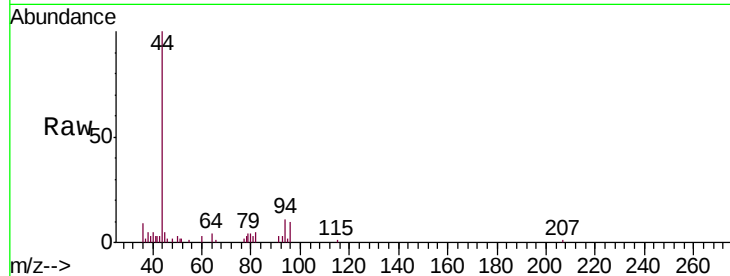
VX0822WBL01

Tgt Ion: 94 Resp: 1098

Ion Ratio Lower Upper

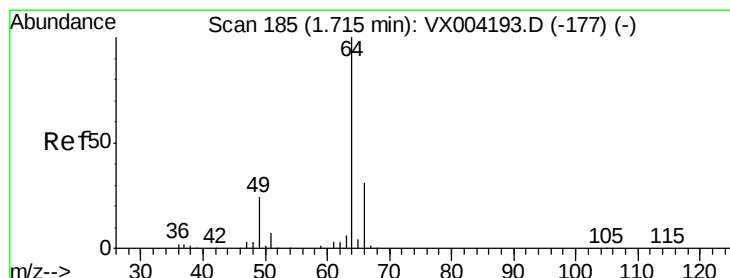
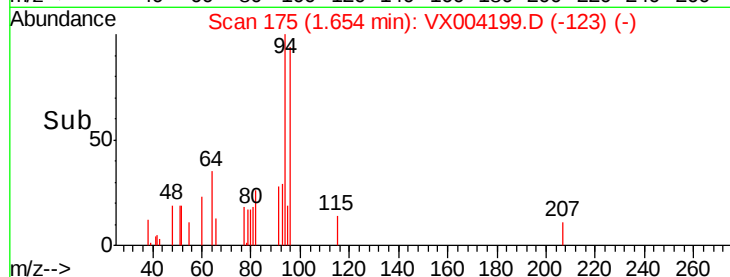
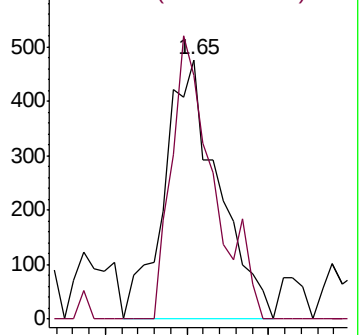
94 100

96 93.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.992 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004199.D

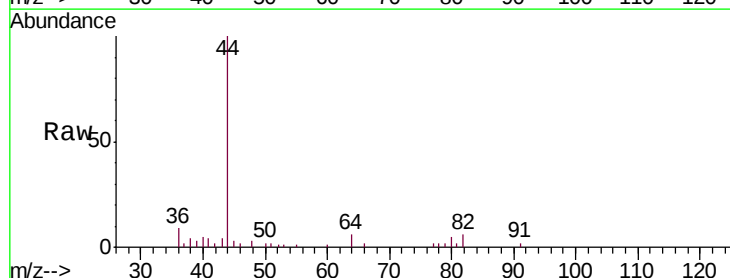
Acq: 22 Aug 2018 15:23

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

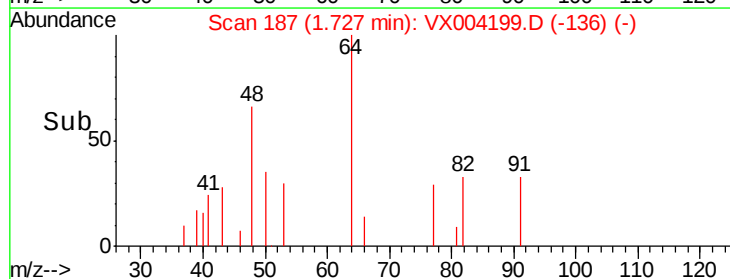
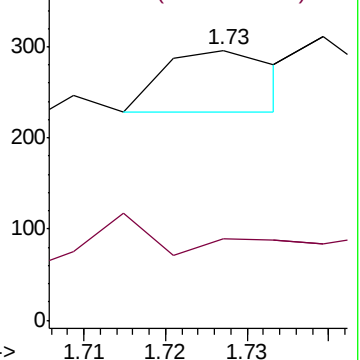
64 100

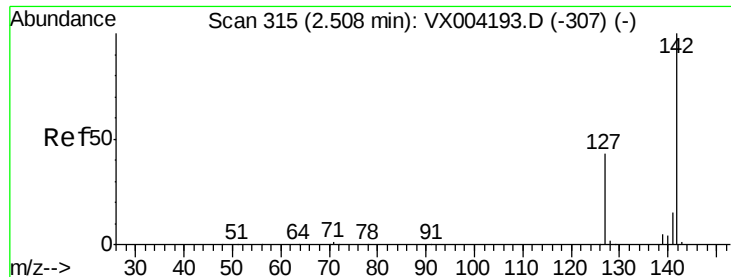
66 2.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

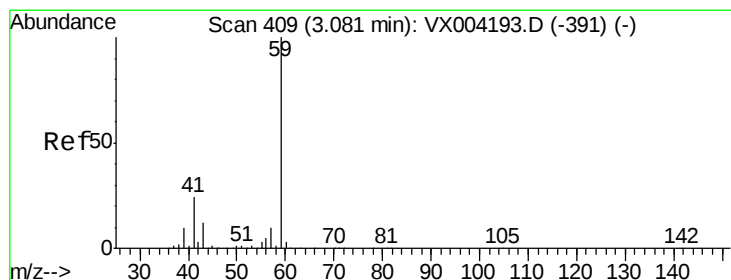
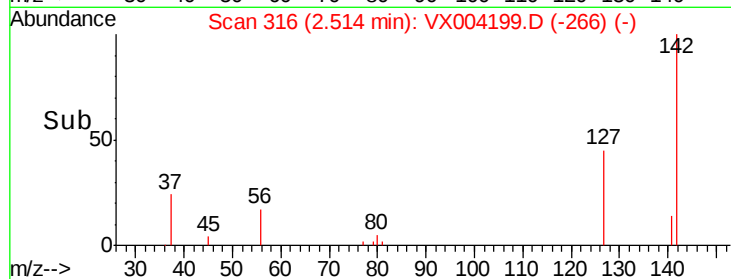
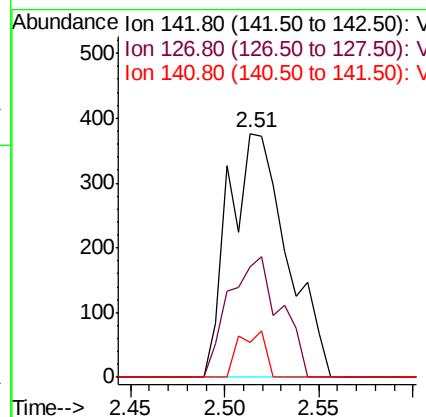
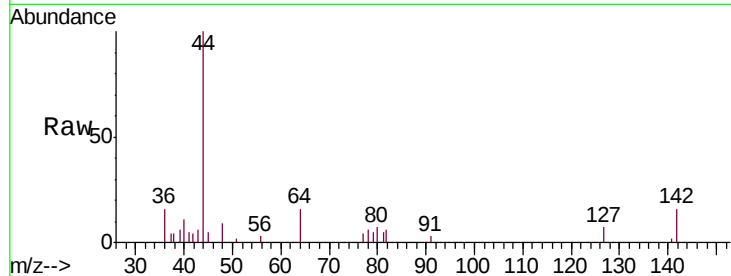




#10
Methyl Iodide
Concen: 4.464 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

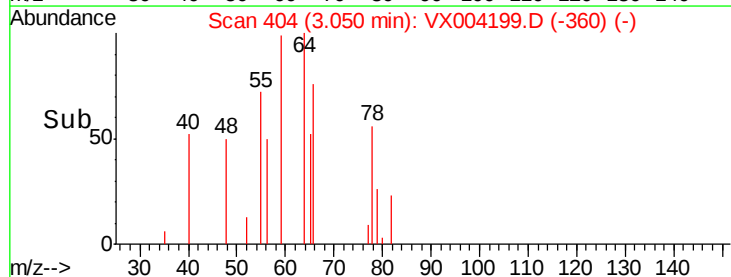
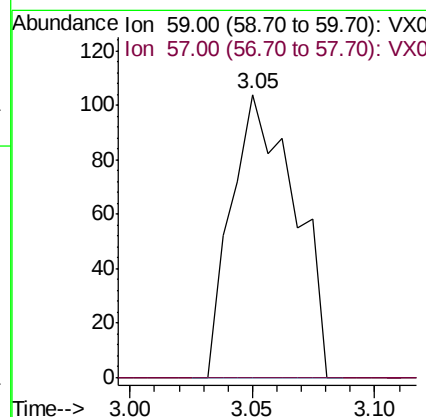
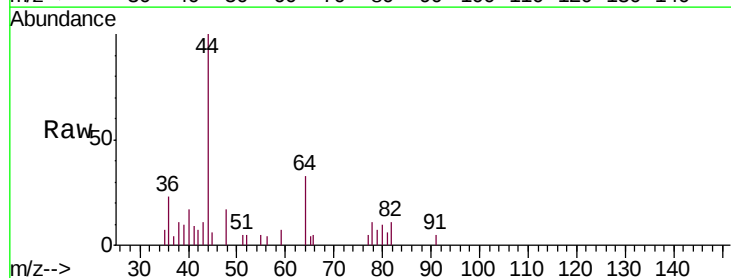
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

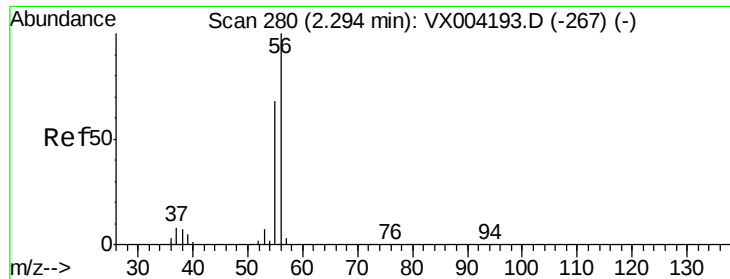
Tgt Ion: 142 Resp: 811
Ion Ratio Lower Upper
142 100
127 43.5 33.8 50.6
141 8.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.03 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.362 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

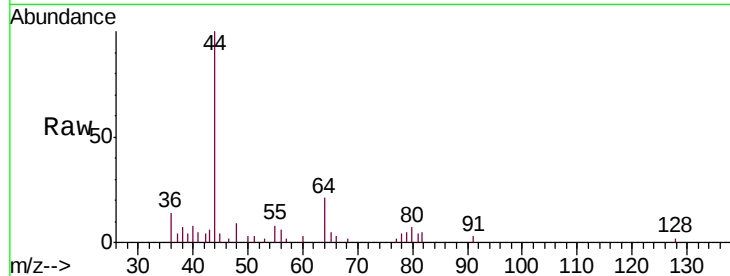
VX0822WBL01

Tgt Ion: 56 Resp: 268

Ion Ratio Lower Upper

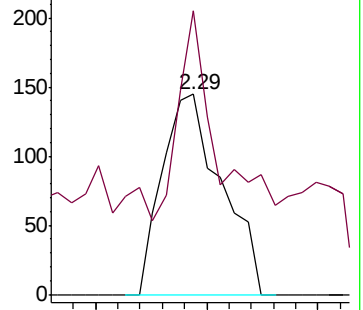
56 100

55 64.9 54.7 82.1

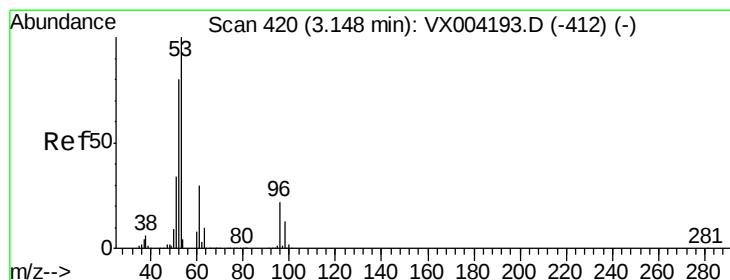
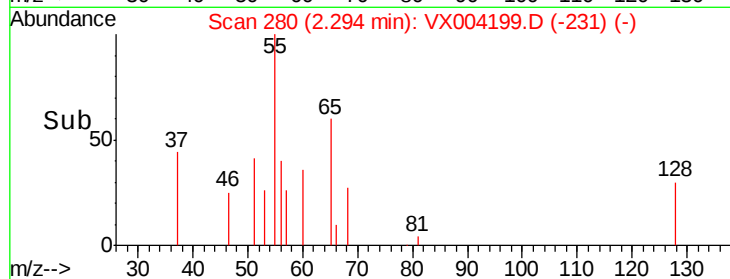


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.446 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

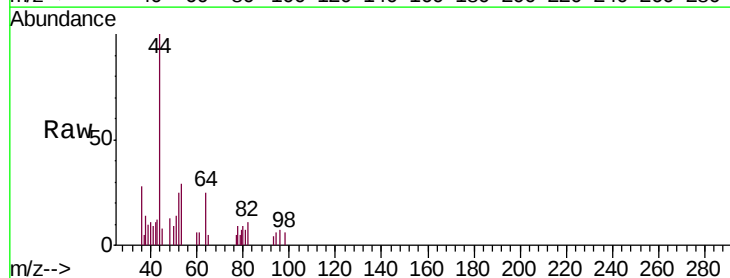
Tgt Ion: 53 Resp: 901

Ion Ratio Lower Upper

53 100

52 87.1 65.2 97.8

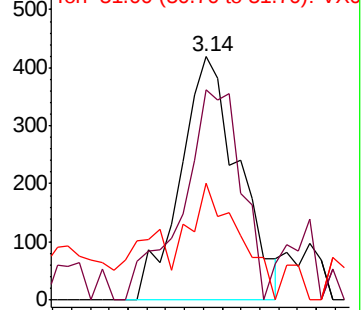
51 40.5 28.2 42.2



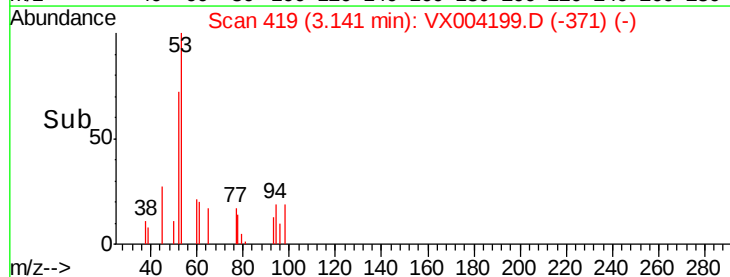
Abundance Ion 53.00 (52.70 to 53.70): VX0

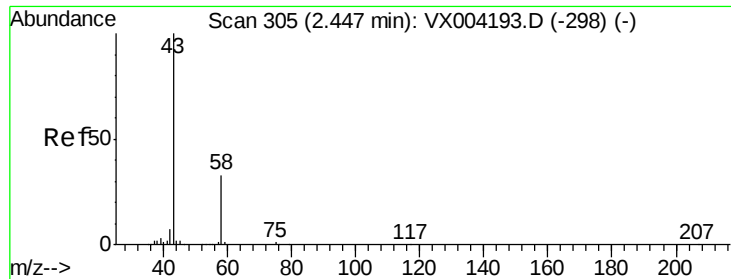
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

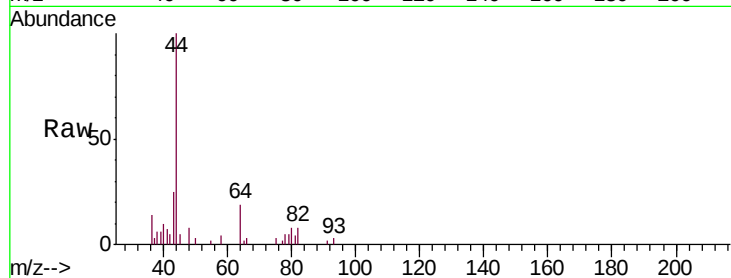
VX0822WBL01

Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

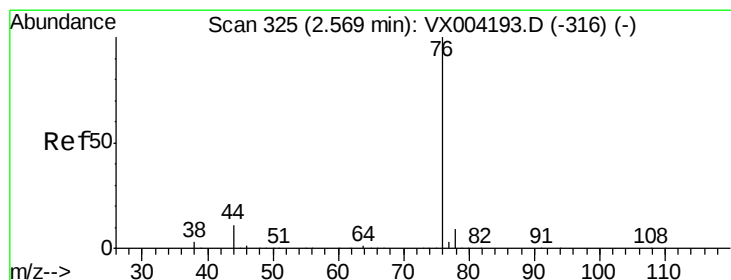
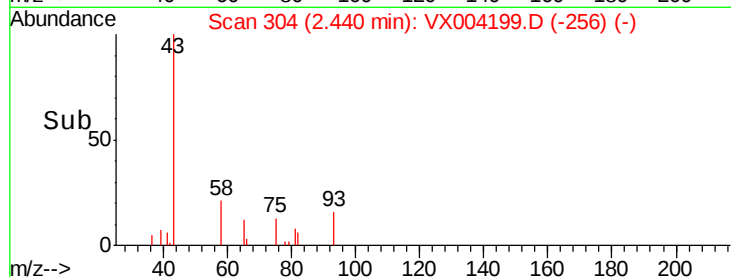
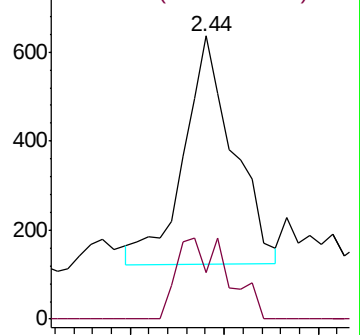
43 100

58 22.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.206 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004199.D

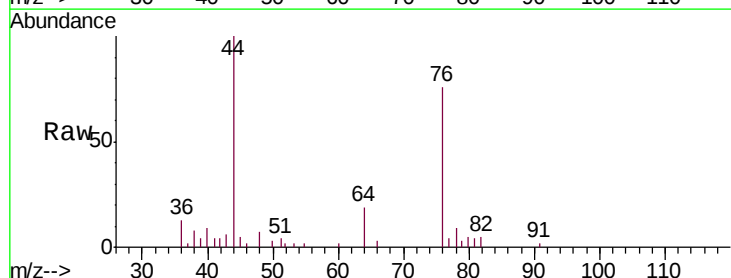
Acq: 22 Aug 2018 15:23

Tgt Ion: 76 Resp: 3586

Ion Ratio Lower Upper

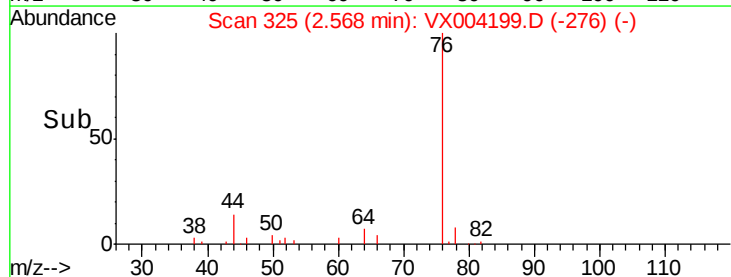
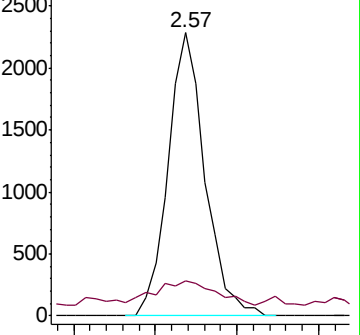
76 100

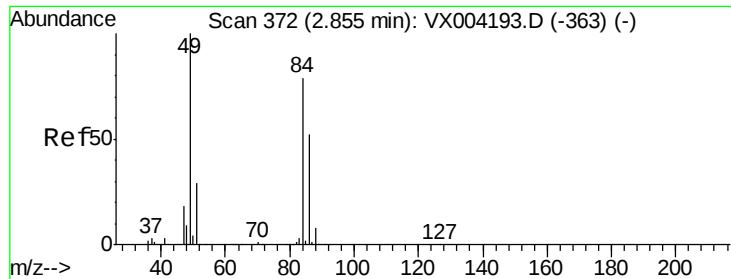
78 7.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

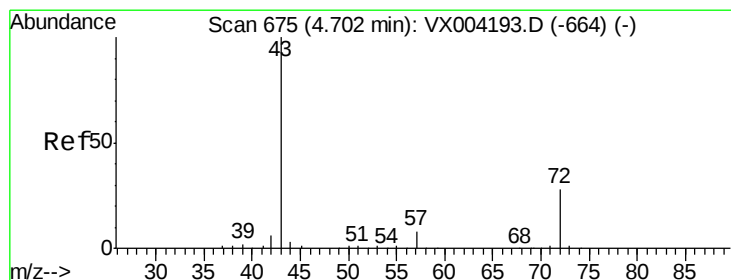
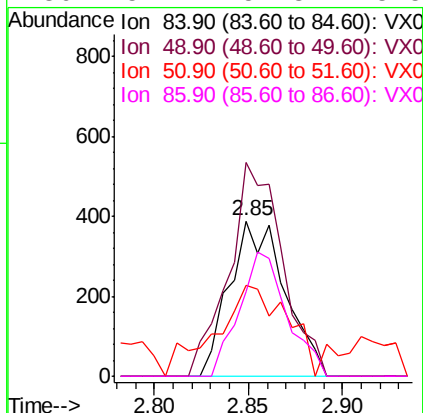
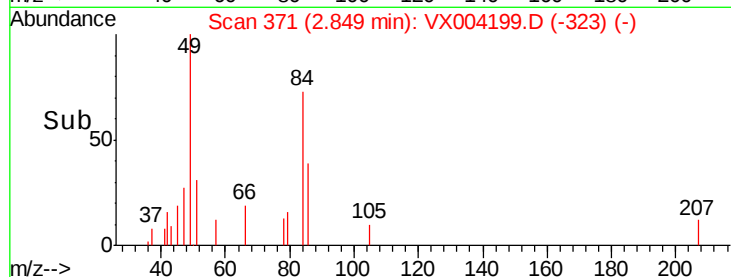
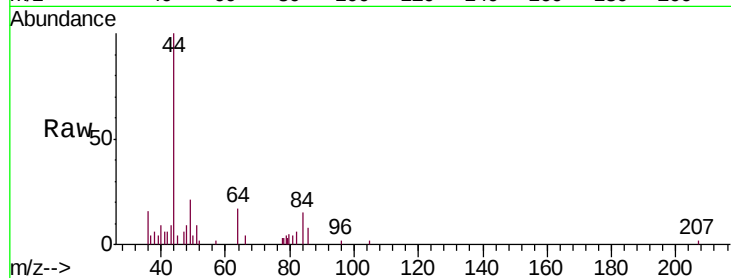




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

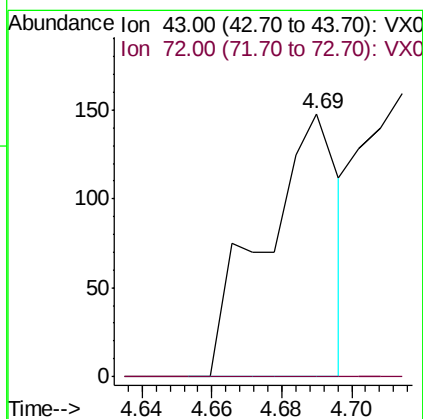
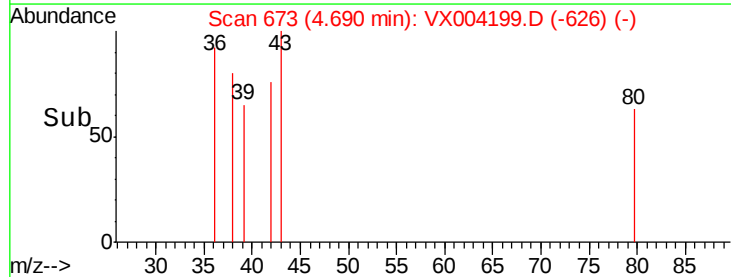
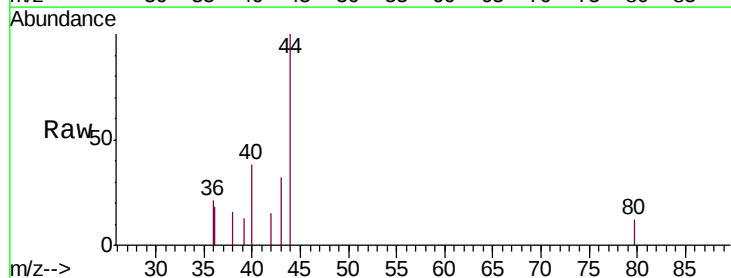
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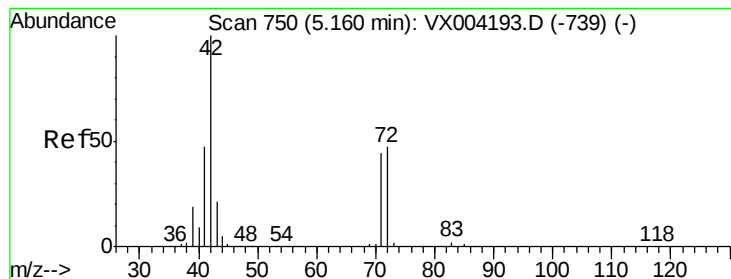
Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 137.5 101.2 151.8
51 45.2 29.5 44.3#
86 54.2 52.3 78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.69 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.628 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

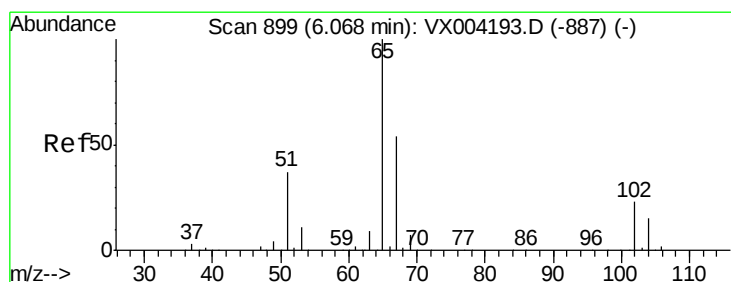
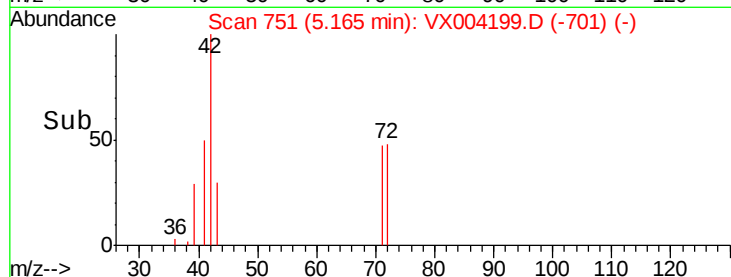
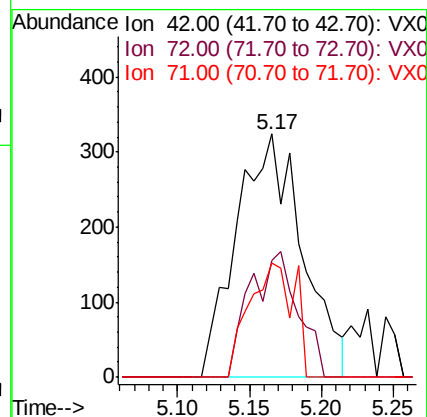
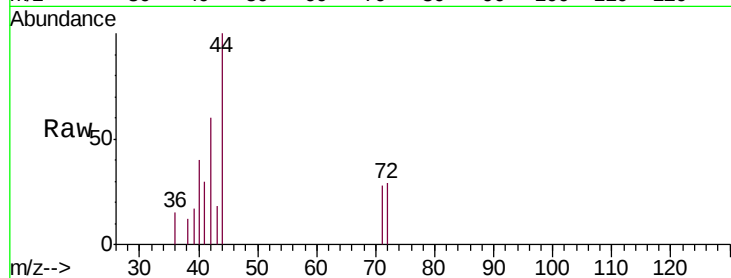
Tgt Ion: 42 Resp: 1033

Ion Ratio Lower Upper

42 100

72 37.5 37.4 56.0

71 31.9 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 54.091 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004199.D

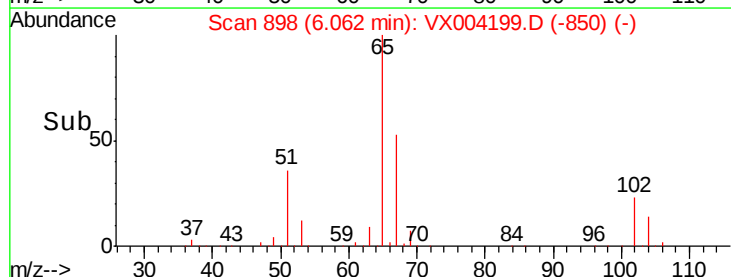
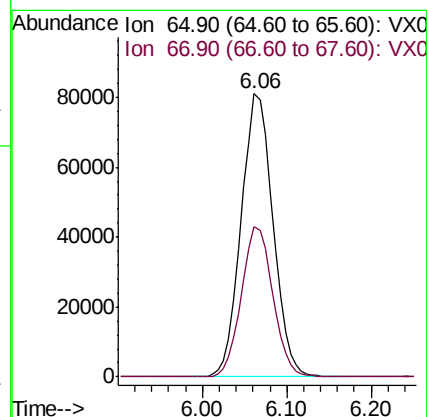
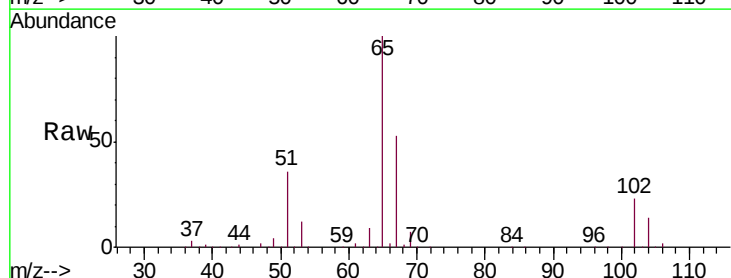
Acq: 22 Aug 2018 15:23

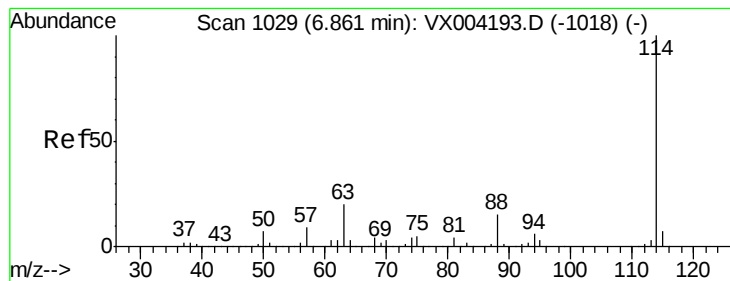
Tgt Ion: 65 Resp: 207170

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

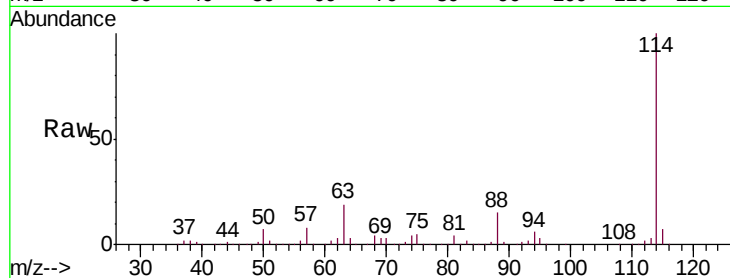
Tgt Ion:114 Resp: 459308

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

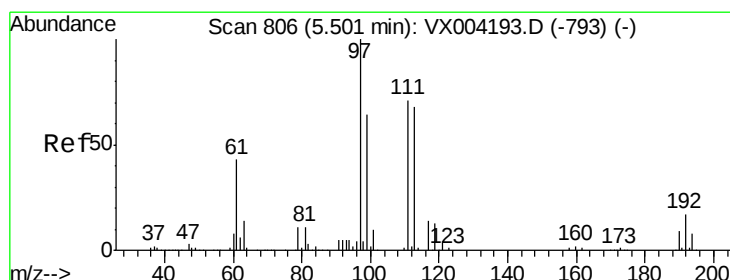
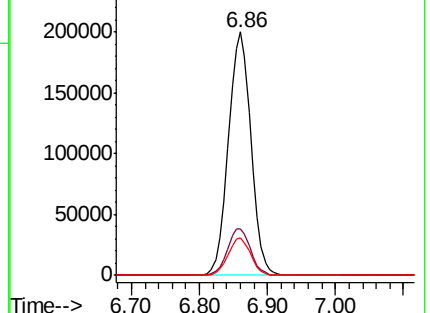
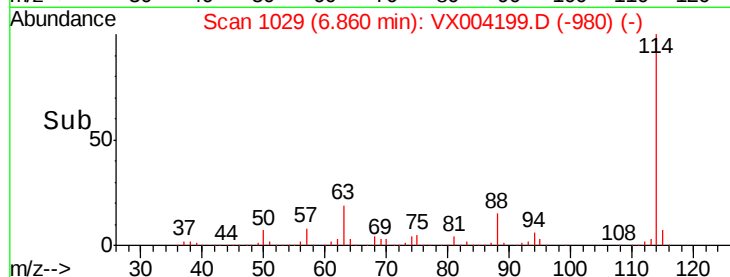
88 15.2 0.0 30.4



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: 52.248 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

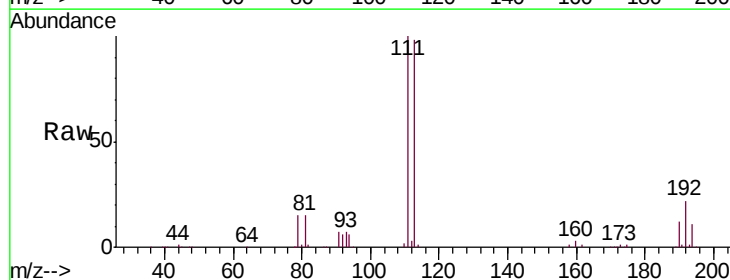
Tgt Ion:113 Resp: 178528

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

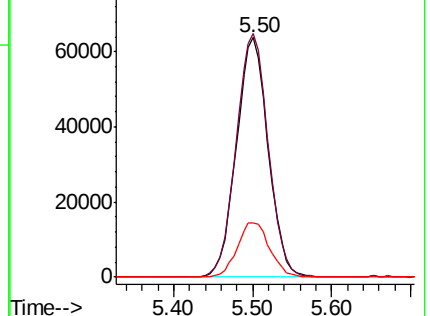
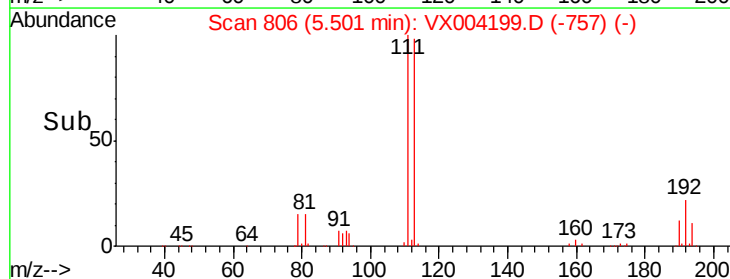
192 23.3 19.4 29.2

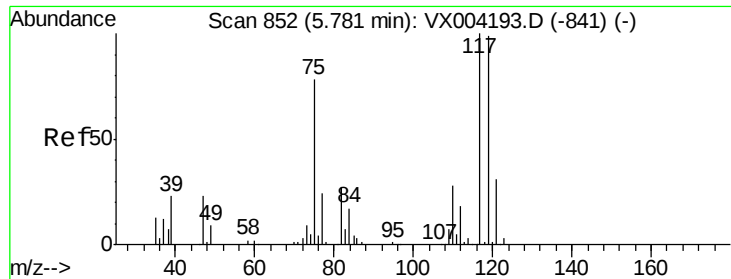


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

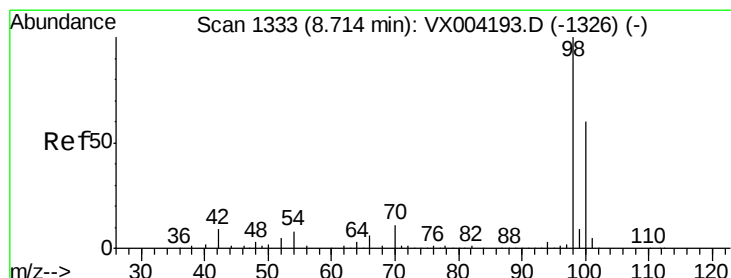
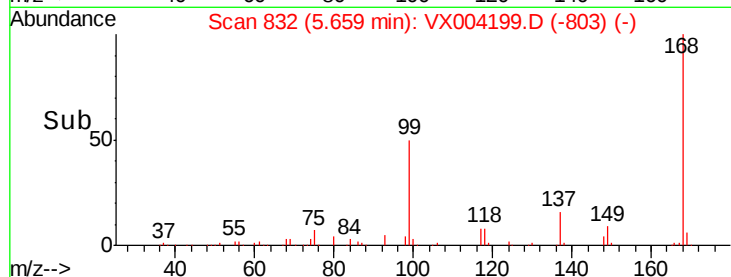
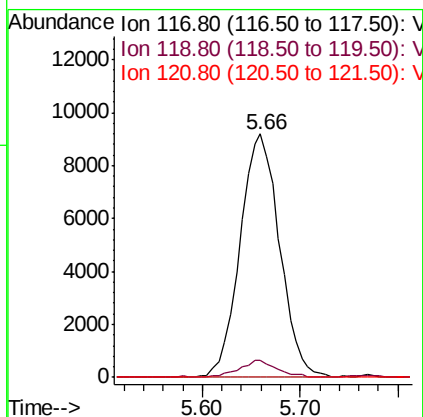
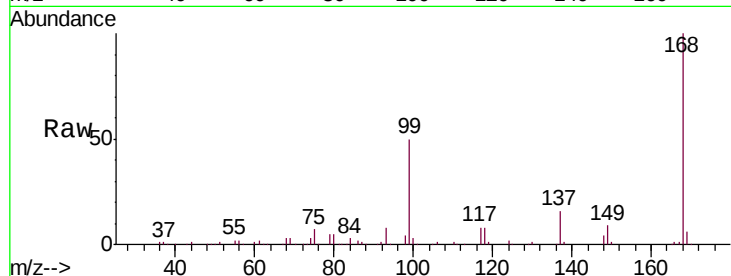




#38
Carbon Tetrachloride
Concen: 5.293 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

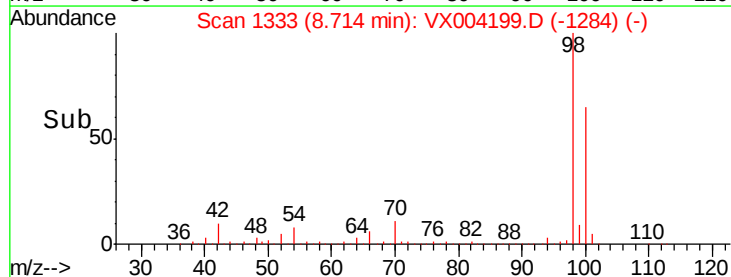
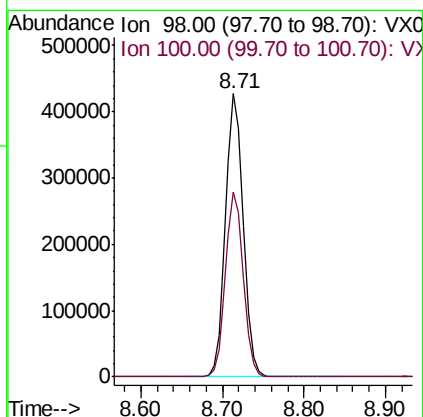
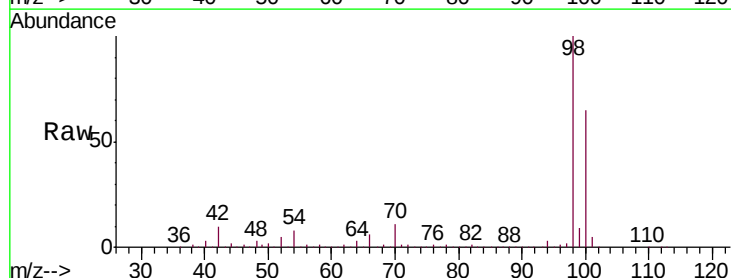
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

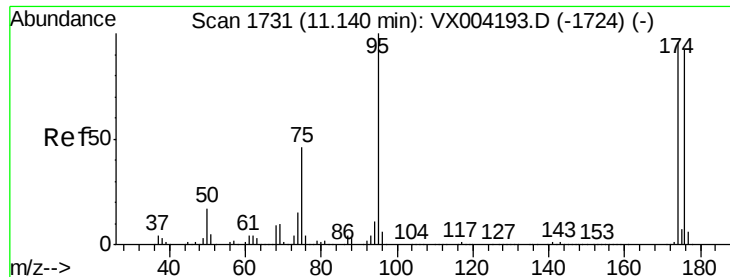
Tgt Ion:117 Resp: 25711
Ion Ratio Lower Upper
117 100
119 6.8 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.528 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

Tgt Ion: 98 Resp: 638796
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

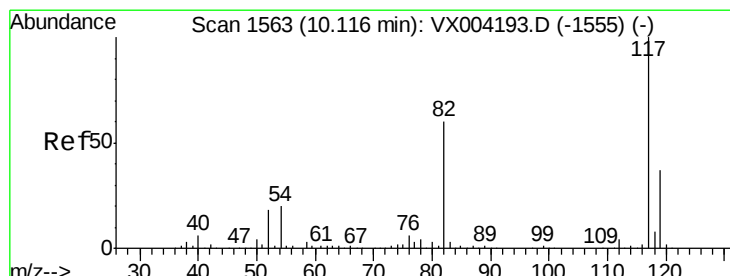
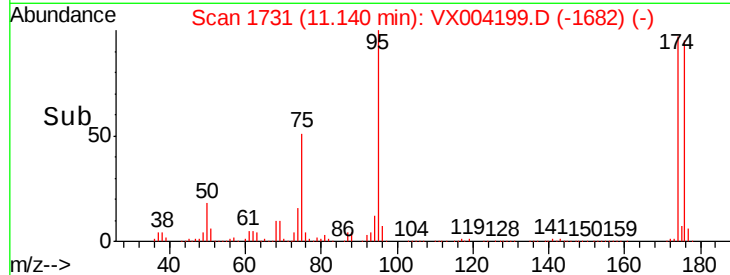
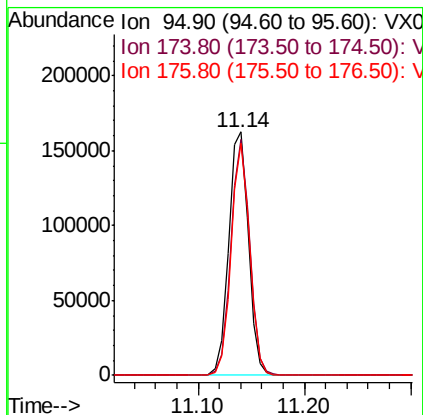
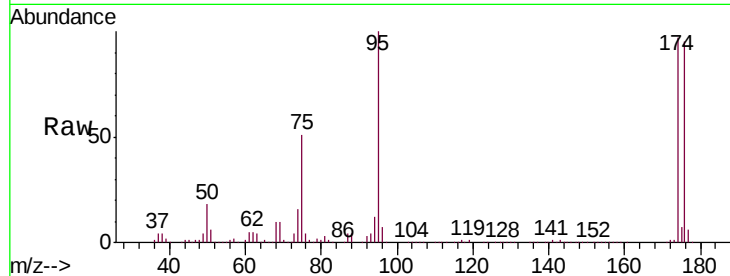




#62
4-Bromofluorobenzene
Concen: 43.955 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

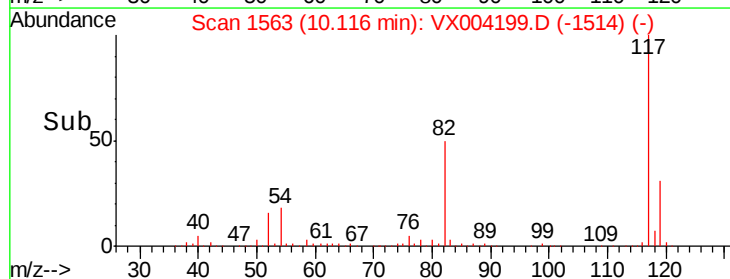
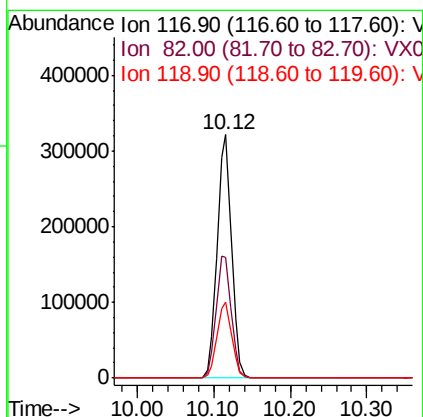
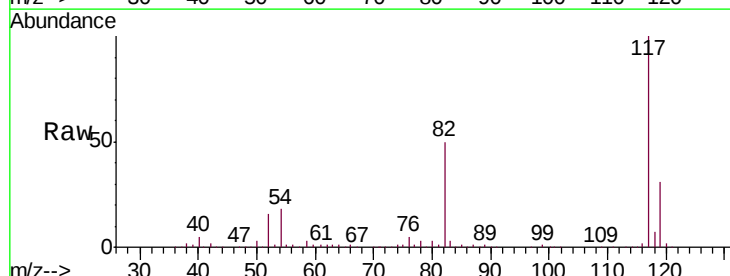
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

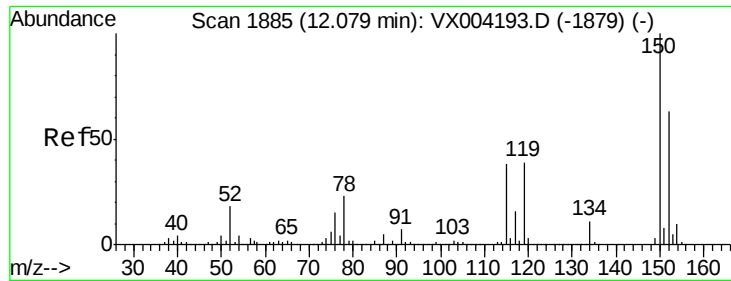
Tgt Ion: 95 Resp: 211531
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.2
176 89.7 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004199.D
Acq: 22 Aug 2018 15:23

Tgt Ion: 117 Resp: 419565
Ion Ratio Lower Upper
117 100
82 49.6 47.8 71.6
119 31.2 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

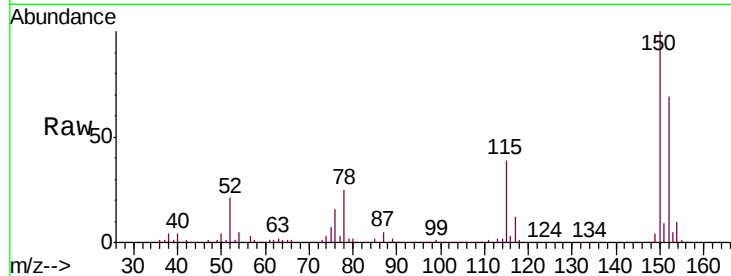
Tgt Ion: 152 Resp: 222680

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

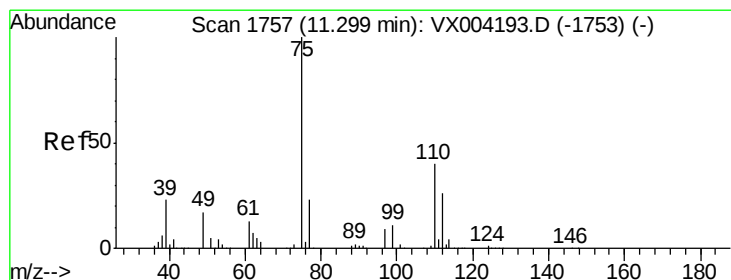
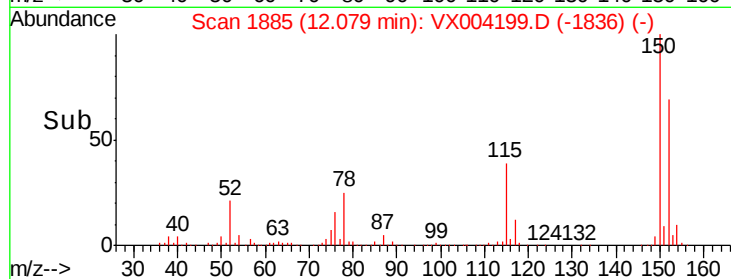
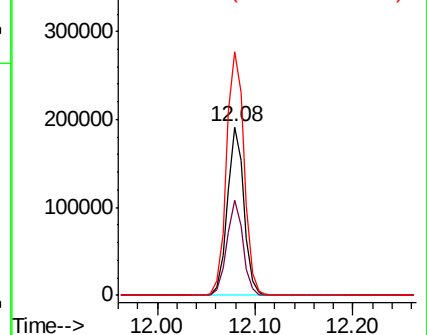
150 154.5 0.0 351.0



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: 23.382 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004199.D

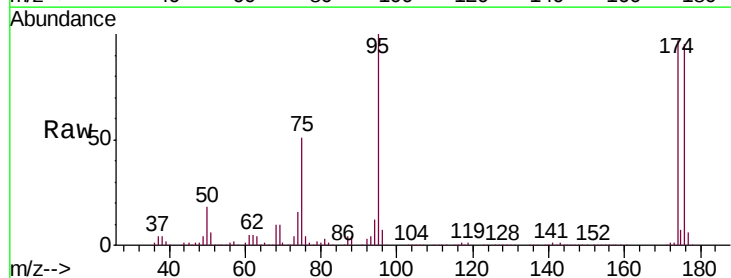
Acq: 22 Aug 2018 15:23

Tgt Ion: 75 Resp: 105893

Ion Ratio Lower Upper

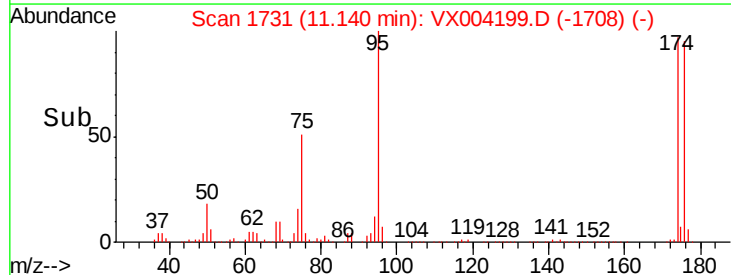
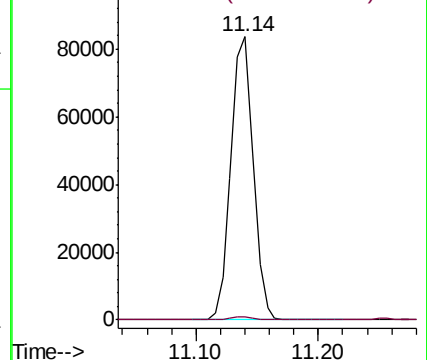
75 100

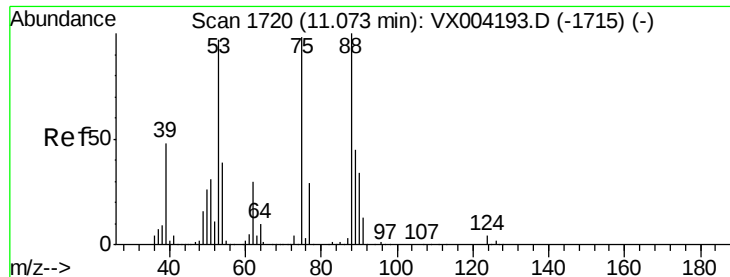
77 1.1 20.2 60.6#



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: 75.863 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

Instrument :

MSVOA_X

ClientSampleId :

VX0822WBL01

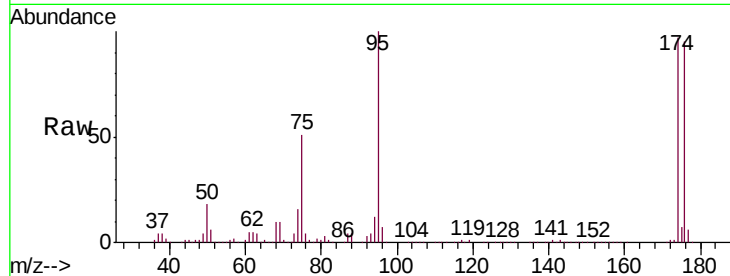
Tgt Ion: 75 Resp: 105893

Ion Ratio Lower Upper

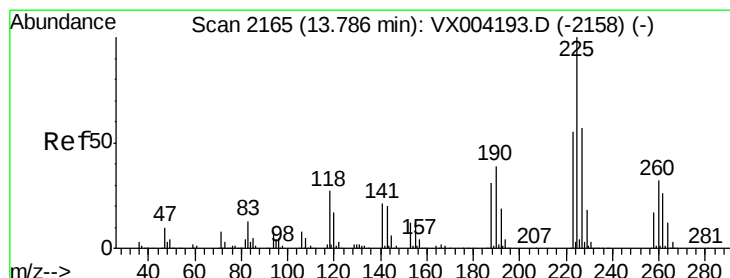
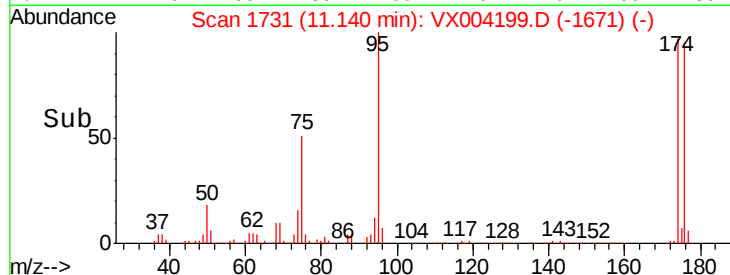
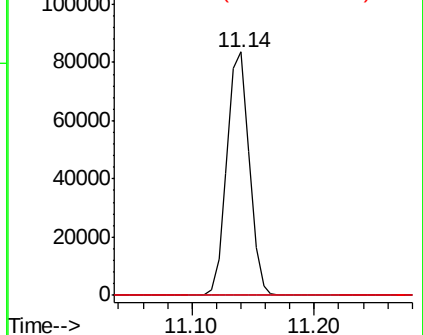
75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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



#94

Hexachlorobutadiene

Concen: 0.254 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004199.D

Acq: 22 Aug 2018 15:23

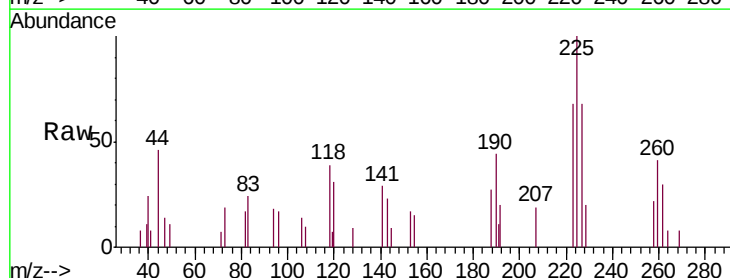
Tgt Ion: 225 Resp: 937

Ion Ratio Lower Upper

225 100

223 63.0 30.1 90.5

227 70.3 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

