

Data File : VX004201.D
Acq On : 22 Aug 2018 16:24
Operator : JC/MD
Sample : J4605-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-180821

Quant Time: Aug 23 05:49:34 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	5.67	168	289487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	204482	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	5.50	113	173865	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	8.71	98	652296	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	224881	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	

Target Compounds

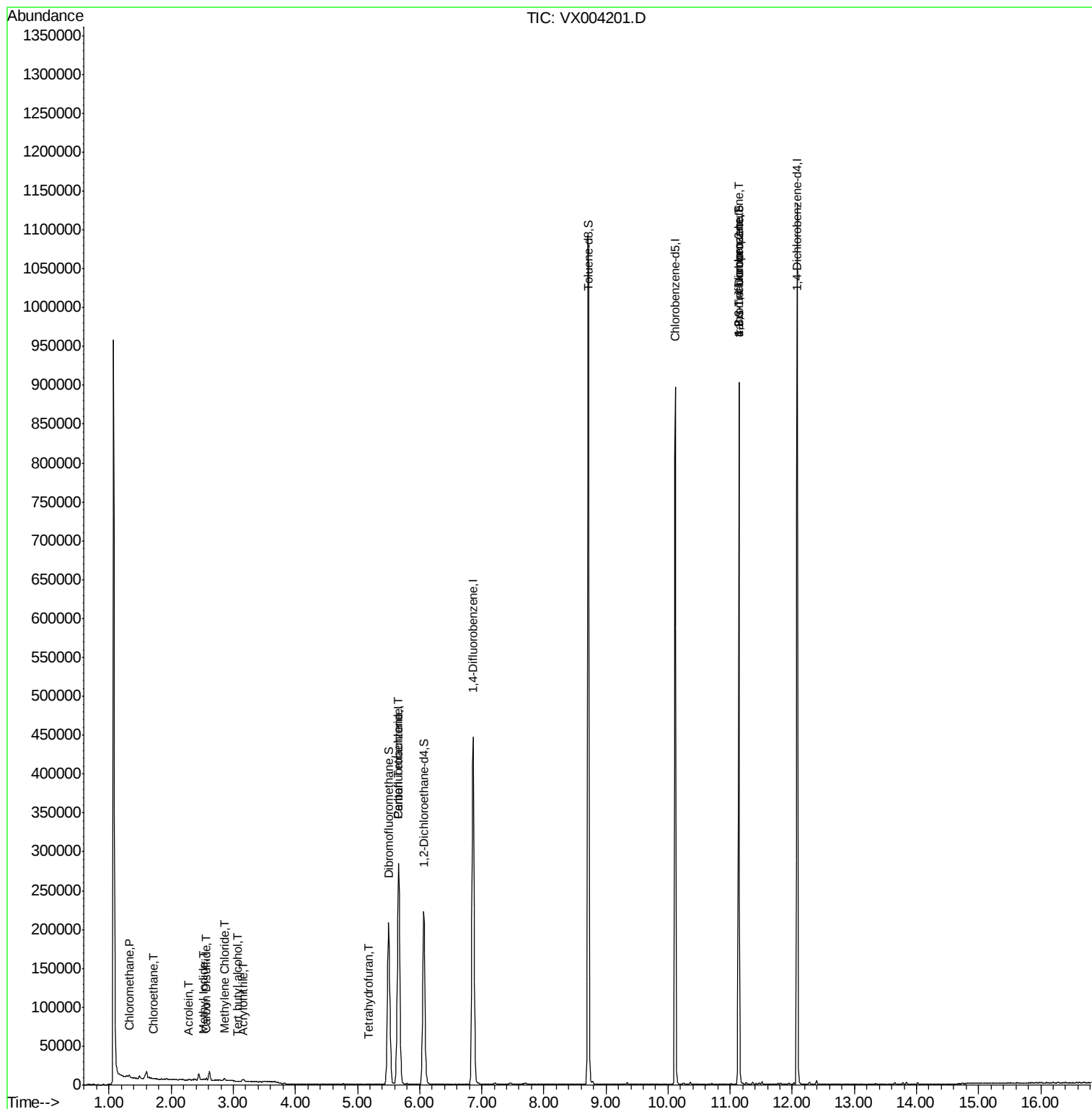
						Qvalue
3) Chloromethane	1.32	50	1777	0.767	ug/l	92
5) Bromomethane	1.64	94	1337	Below Cal		87
6) Chloroethane	1.71	64	346	1.083	ug/l #	59
10) Methyl Iodide	2.51	142	1825	4.719	ug/l #	97
11) Tert butyl alcohol	3.07	59	219	0.272	ug/l #	79
13) Acrolein	2.29	56	267	1.377	ug/l #	75
15) Acrylonitrile	3.15	53	936	0.470	ug/l #	81
16) Acetone	2.45	43	8755	Below Cal		95
17) Carbon Disulfide	2.57	76	3370	1.187	ug/l #	94
20) Methylene Chloride	2.85	84	1413	0.389	ug/l	93
25) 2-Butanone	4.71	43	807	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	1003	0.619	ug/l #	64
38) Carbon Tetrachloride	5.67	117	25745	5.298	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	105124	22.260	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	105124	72.225	ug/l #	10

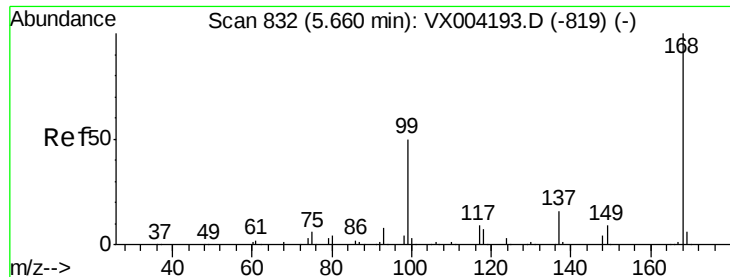
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

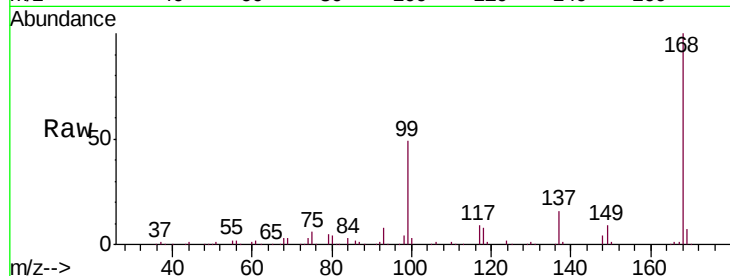
TB-01-180821

Tgt Ion:168 Resp: 289487

Ion Ratio Lower Upper

168 100

99 49.2 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

120000

100000

80000

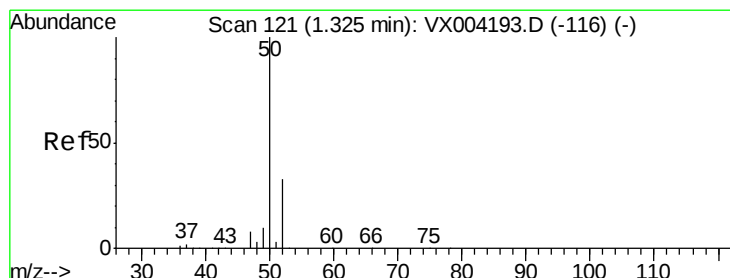
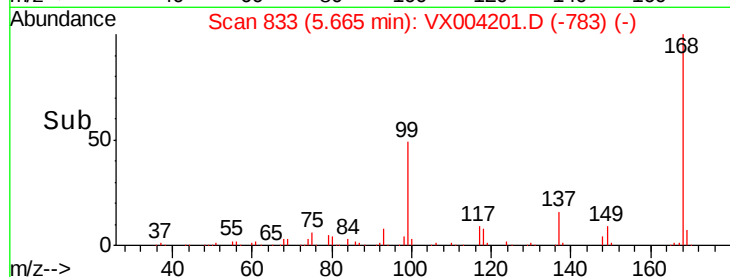
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.767 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004201.D

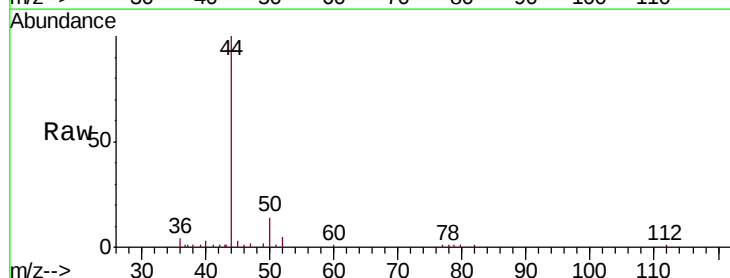
Acq: 22 Aug 2018 16:24

Tgt Ion: 50 Resp: 1777

Ion Ratio Lower Upper

50 100

52 37.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

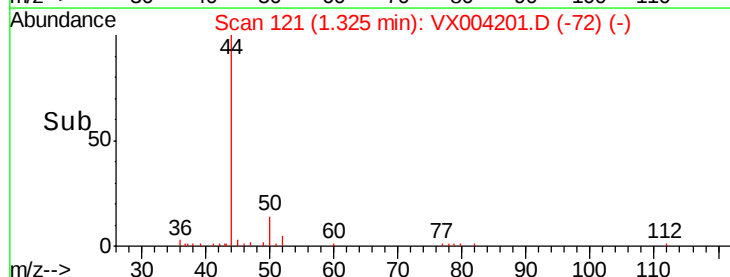
1.32

1000

500

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

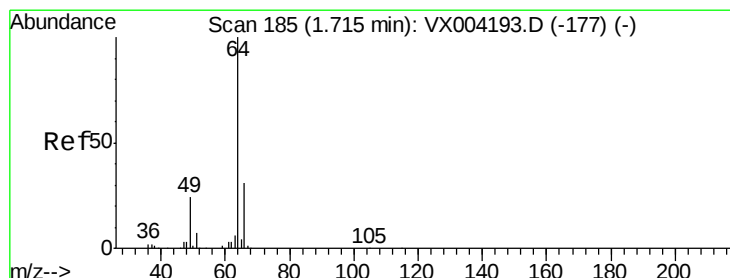
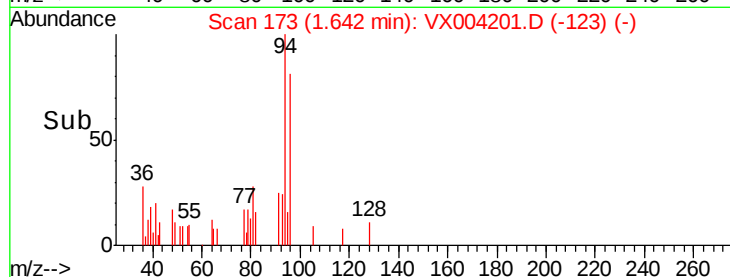
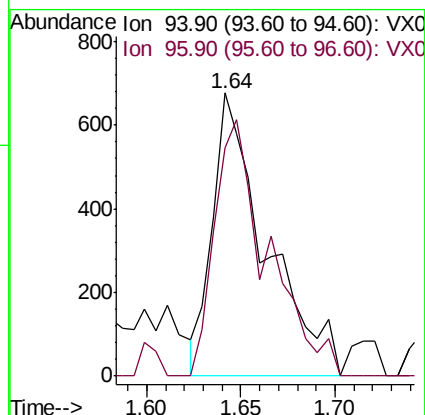
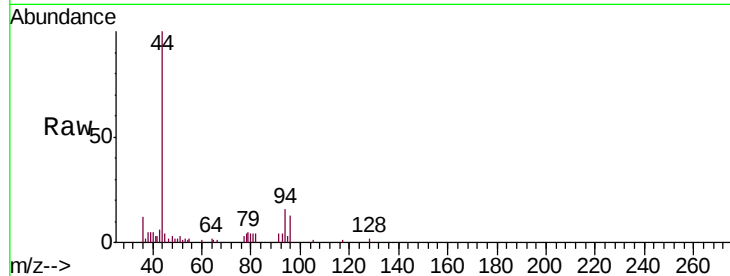
TB-01-180821

Tgt Ion: 94 Resp: 1337

Ion Ratio Lower Upper

94 100

96 80.5 74.5 111.7



#6

Chloroethane

Concen: 1.083 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004201.D

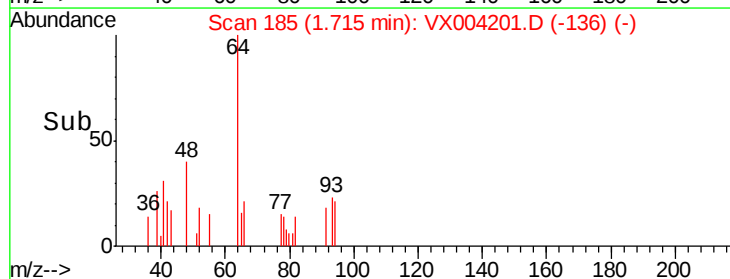
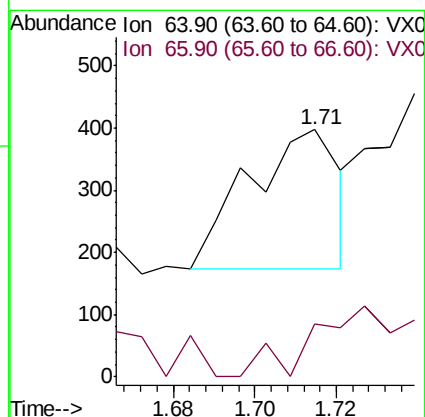
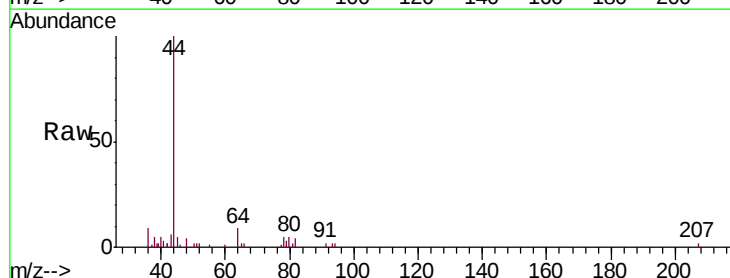
Acq: 22 Aug 2018 16:24

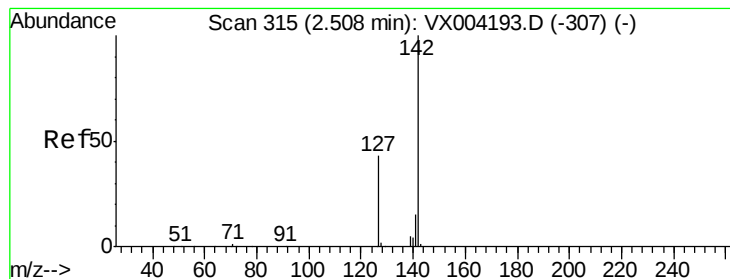
Tgt Ion: 64 Resp: 346

Ion Ratio Lower Upper

64 100

66 8.1 24.6 36.8#





#10

Methyl Iodide

Concen: 4.719 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180821

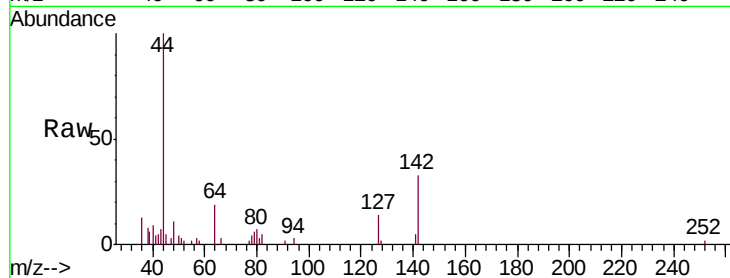
Tgt Ion:142 Resp: 1825

Ion Ratio Lower Upper

142 100

127 42.8 33.8 50.6

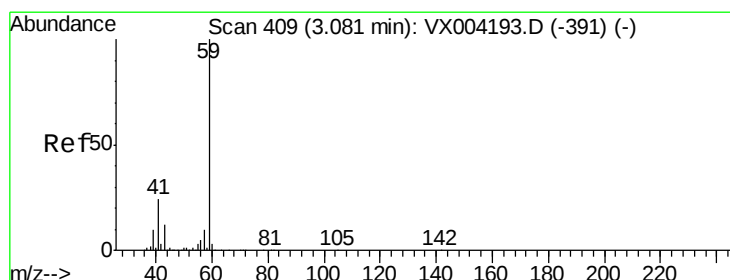
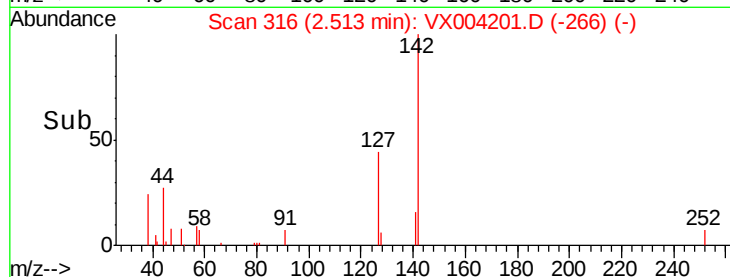
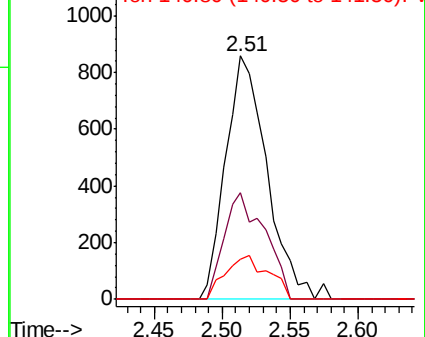
141 18.4 11.4 17.0#



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: 0.272 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX004201.D

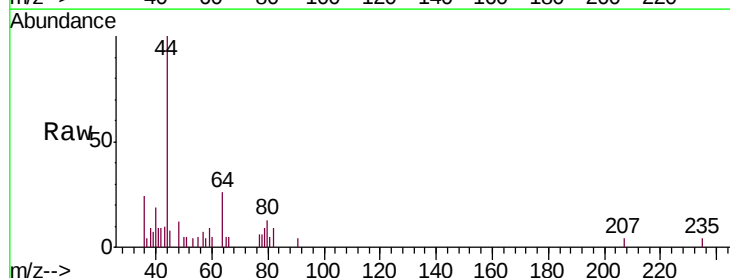
Acq: 22 Aug 2018 16:24

Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

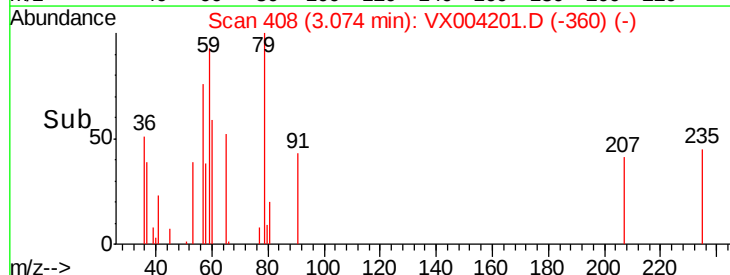
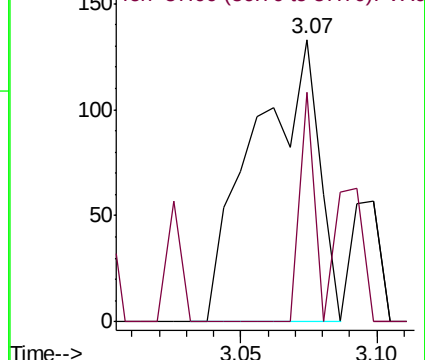
59 100

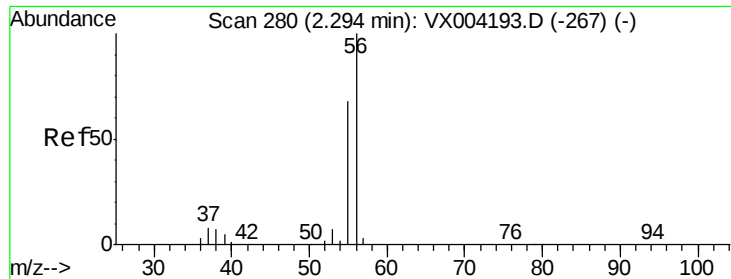
57 18.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.377 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

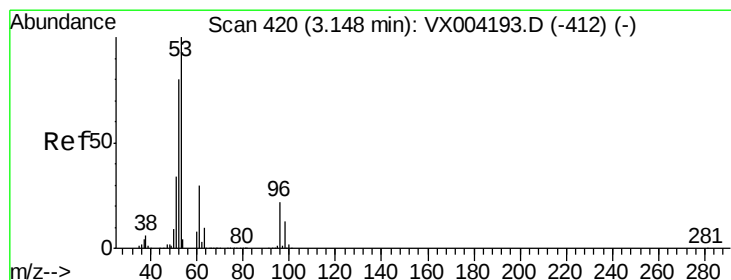
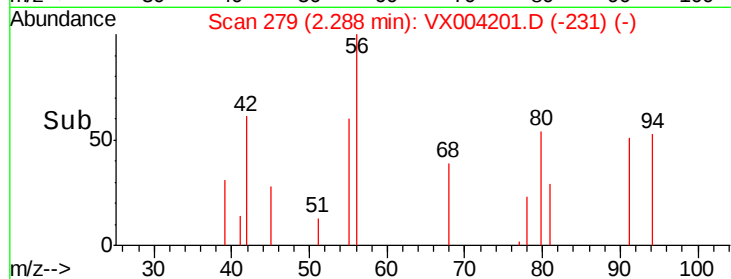
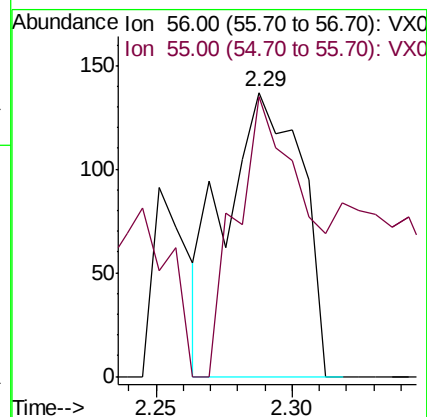
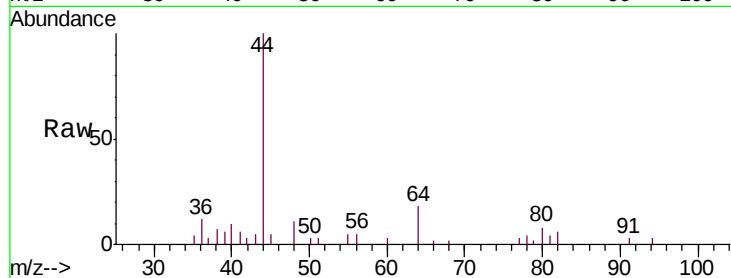
TB-01-180821

Tgt Ion: 56 Resp: 267

Ion Ratio Lower Upper

56 100

55 88.8 54.7 82.1#



#15

Acrylonitrile

Concen: 0.470 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

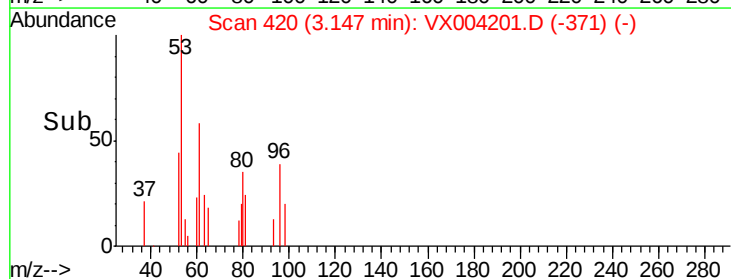
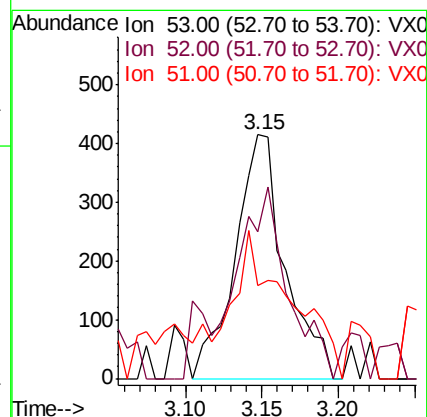
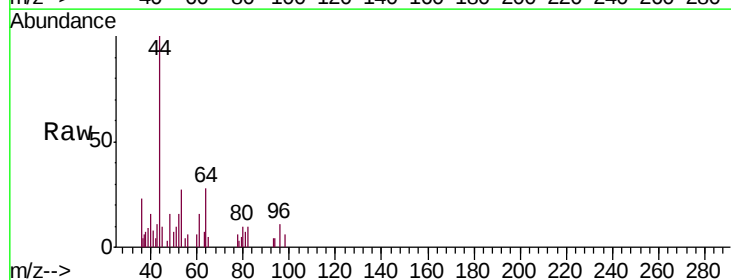
Tgt Ion: 53 Resp: 936

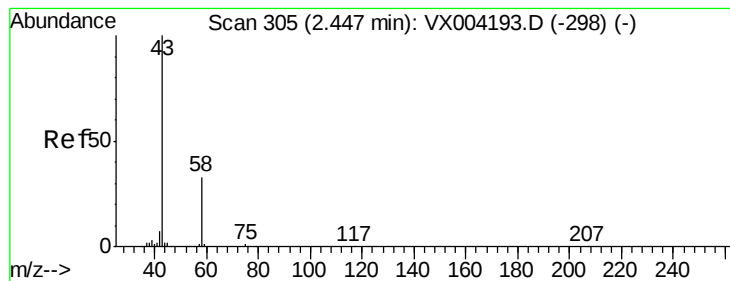
Ion Ratio Lower Upper

53 100

52 78.3 65.2 97.8

51 67.9 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampled :

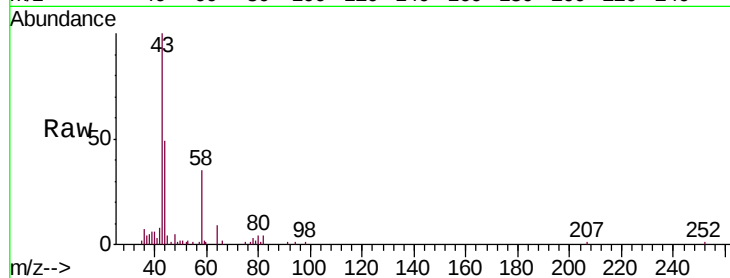
TB-01-180821

Tgt Ion: 43 Resp: 8755

Ion Ratio Lower Upper

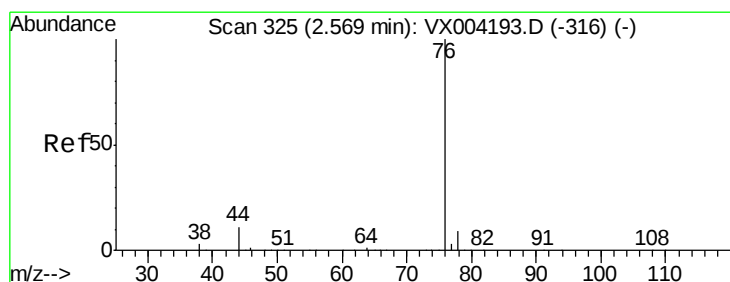
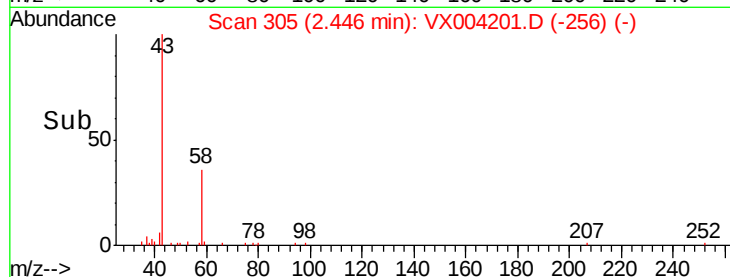
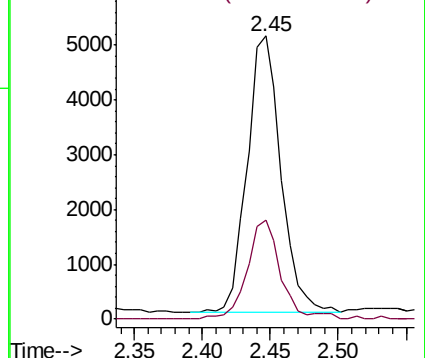
43 100

58 35.7 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: 1.187 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004201.D

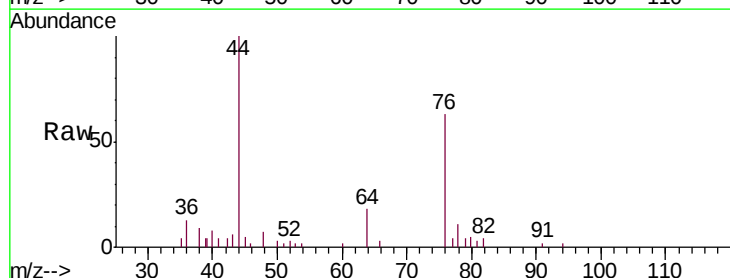
Acq: 22 Aug 2018 16:24

Tgt Ion: 76 Resp: 3370

Ion Ratio Lower Upper

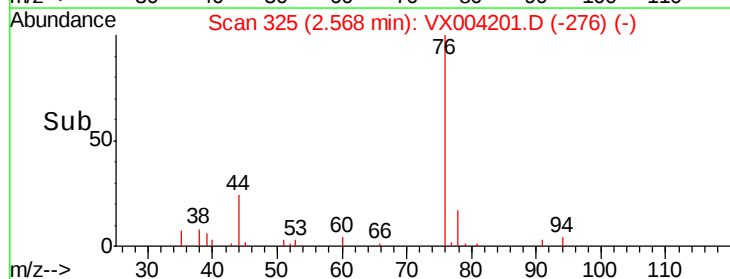
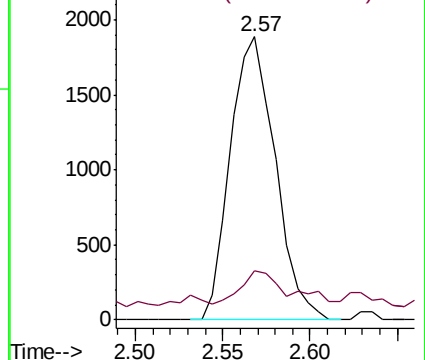
76 100

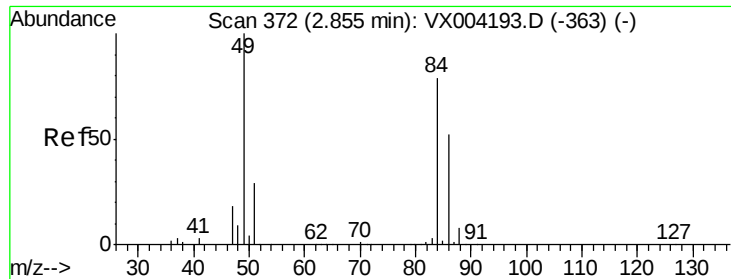
78 10.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

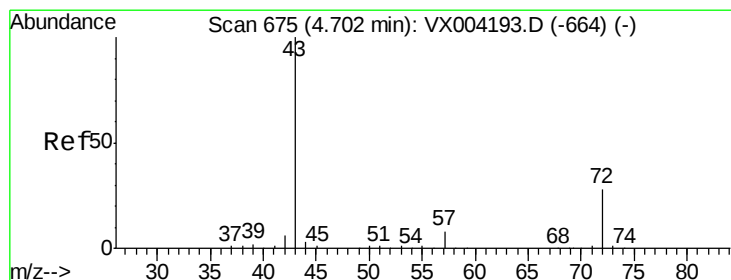
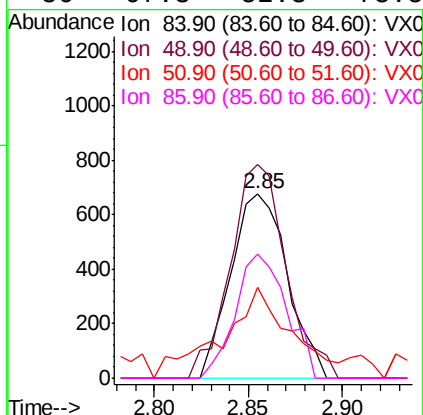
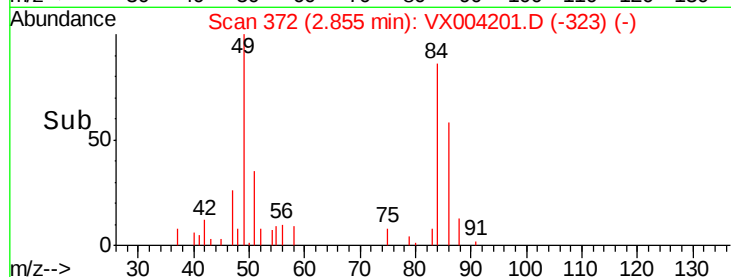
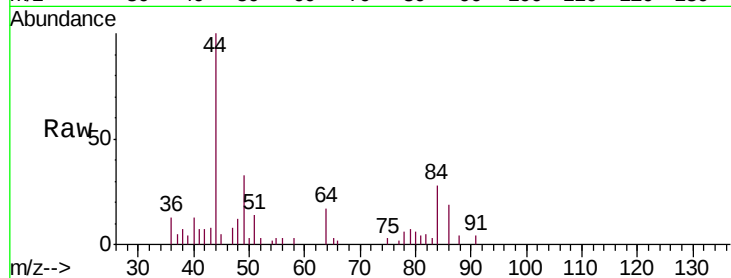




#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004201.D
Acq: 22 Aug 2018 16:24

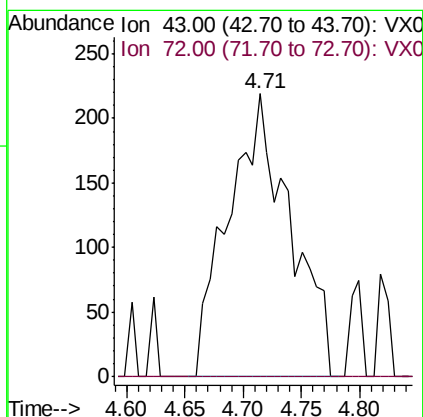
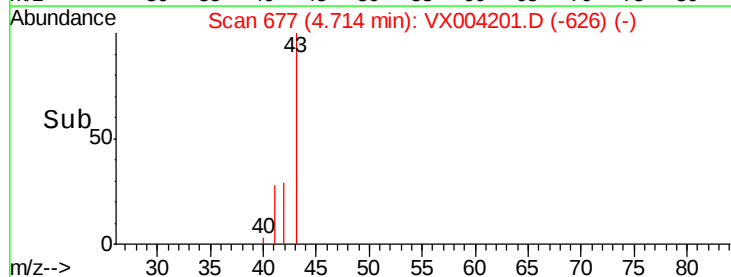
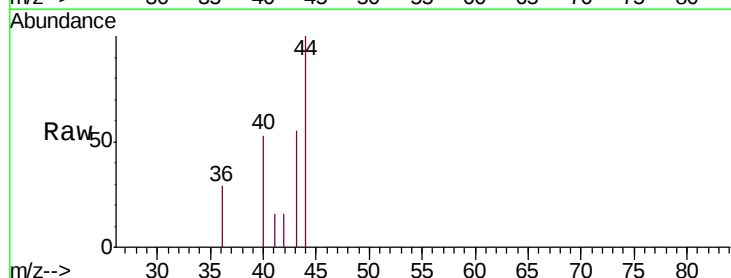
Instrument :
MSVOA_X
ClientSampled :
TB-01-180821

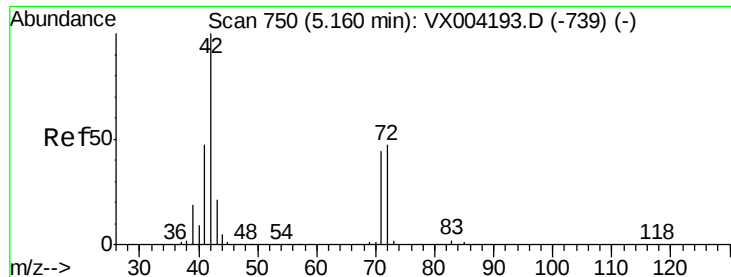
Tgt Ion:	84	Resp:	1413
Ion	Ratio	Lower	Upper
84	100		
49	115.6	101.2	151.8
51	40.9	29.5	44.3
86	67.3	52.3	78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX004201.D
Acq: 22 Aug 2018 16:24

Tgt Ion:	43	Resp:	807
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.619 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180821

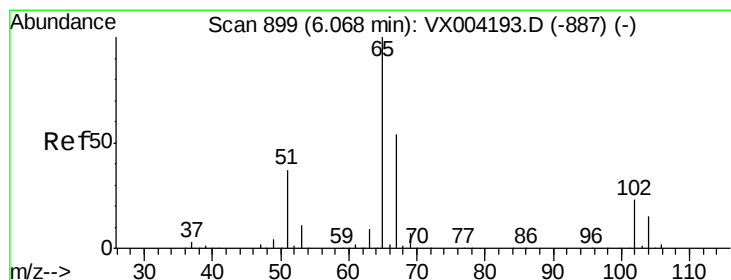
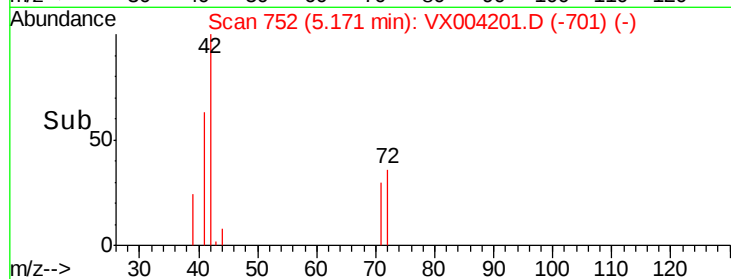
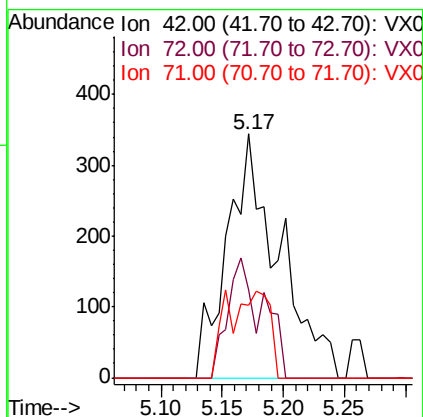
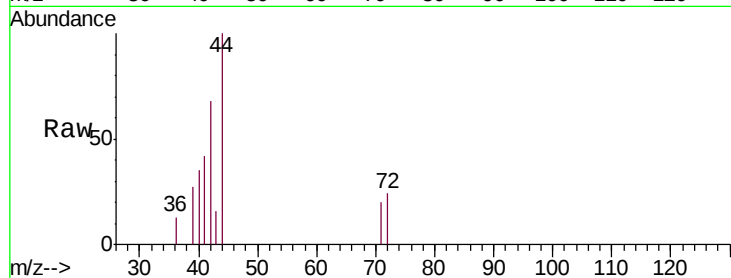
Tgt Ion: 42 Resp: 1003

Ion Ratio Lower Upper

42 100

72 22.7 37.4 56.0#

71 20.0 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 54.195 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004201.D

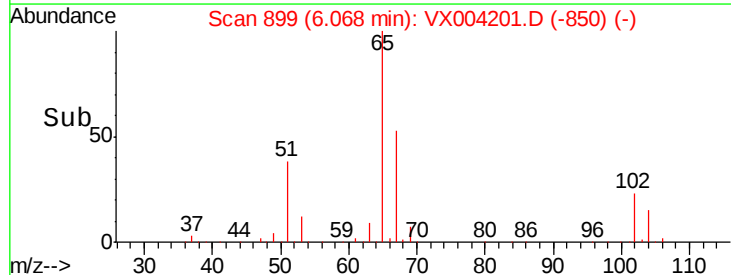
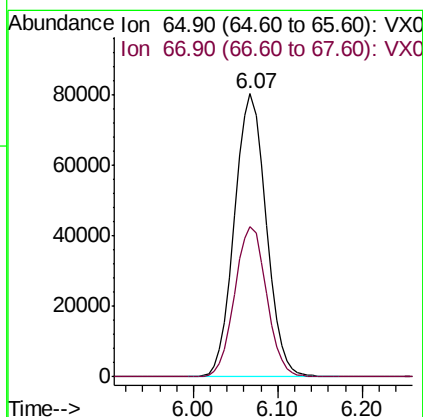
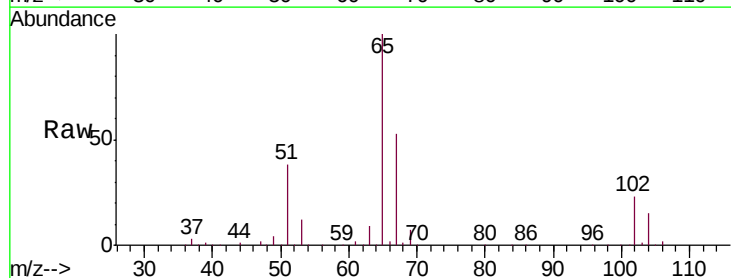
Acq: 22 Aug 2018 16:24

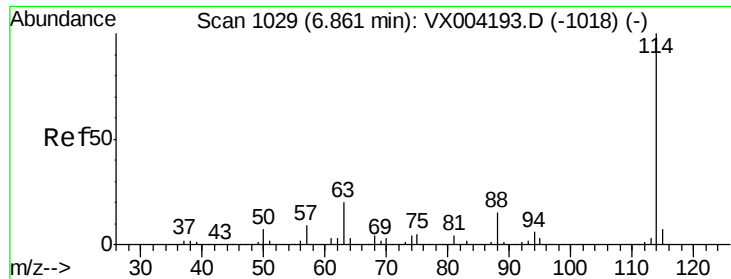
Tgt Ion: 65 Resp: 204482

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8

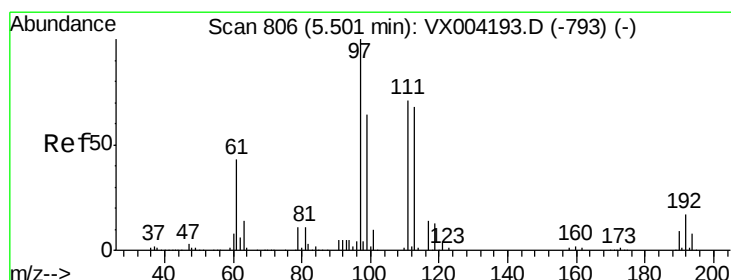
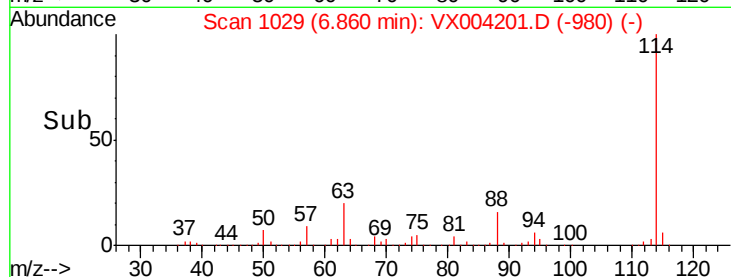
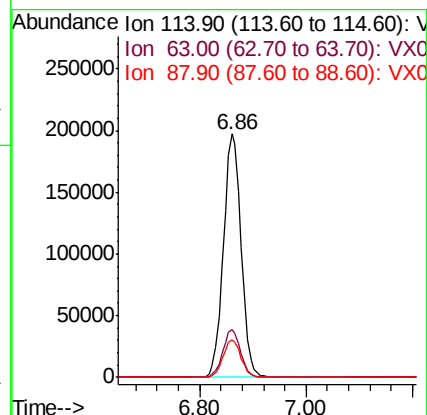
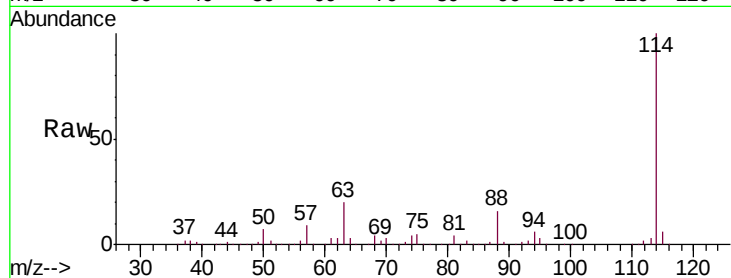




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004201.D
 Acq: 22 Aug 2018 16:24

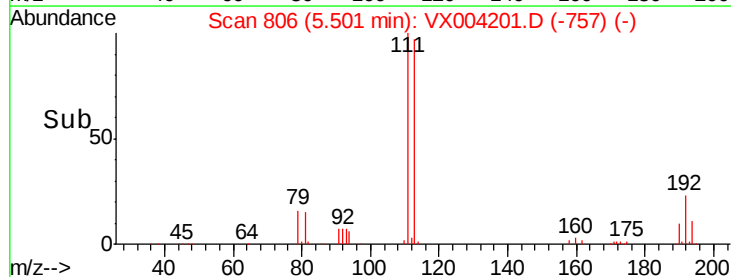
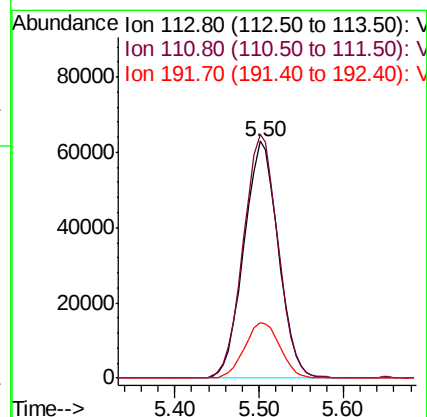
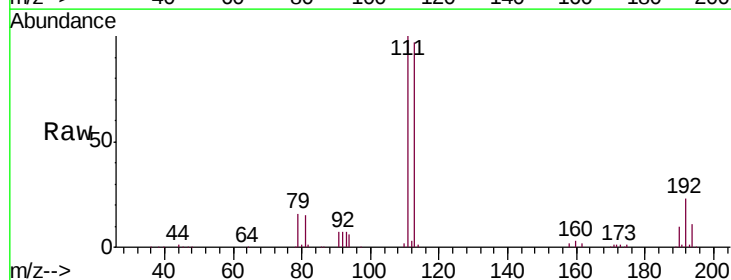
Instrument :
 MSVOA_X
 ClientSampleID :
 TB-01-180821

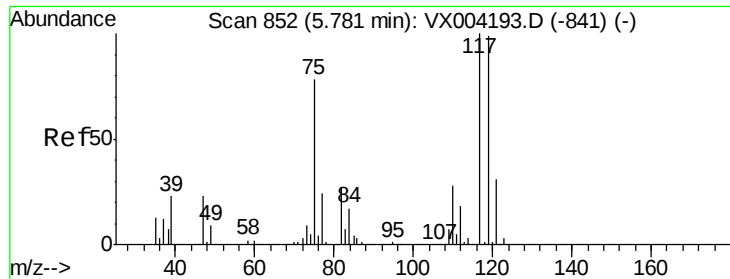
Tgt Ion:114 Resp: 459453
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.867 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004201.D
 Acq: 22 Aug 2018 16:24

Tgt Ion:113 Resp: 173865
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 24.3 19.4 29.2

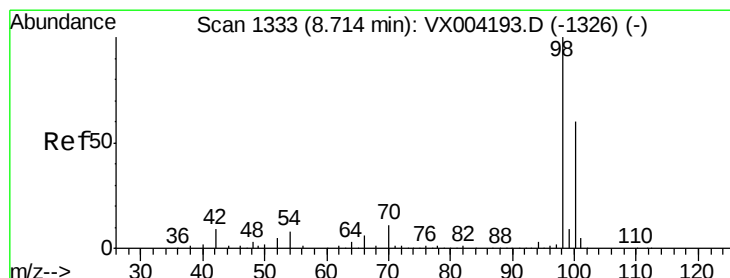
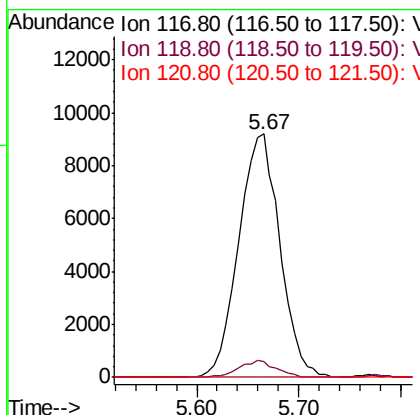
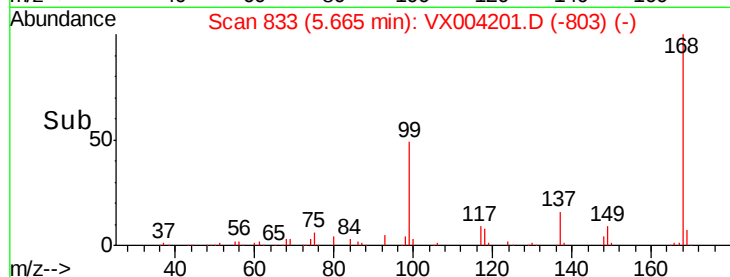
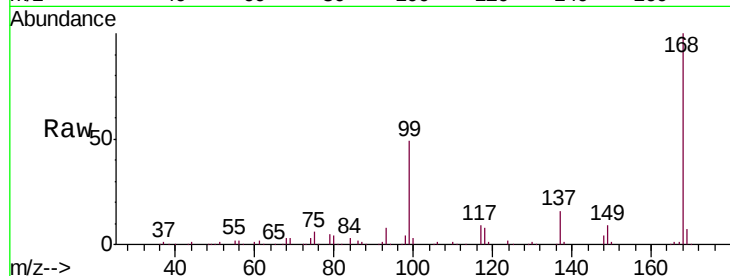




#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004201.D
Acq: 22 Aug 2018 16:24

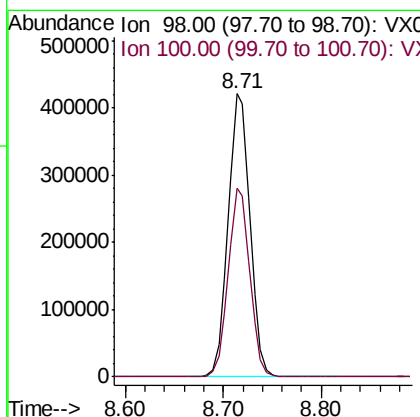
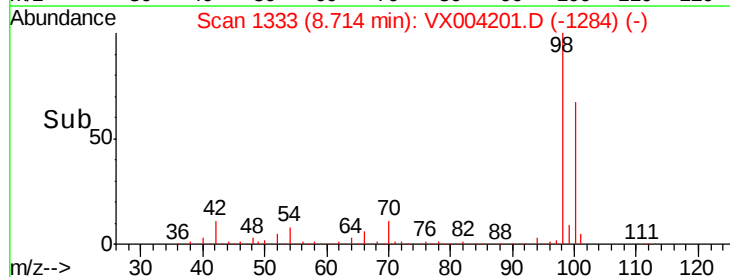
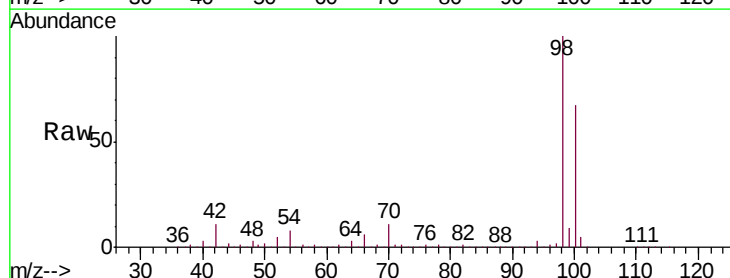
Instrument :
MSVOA_X
ClientSampleId :
TB-01-180821

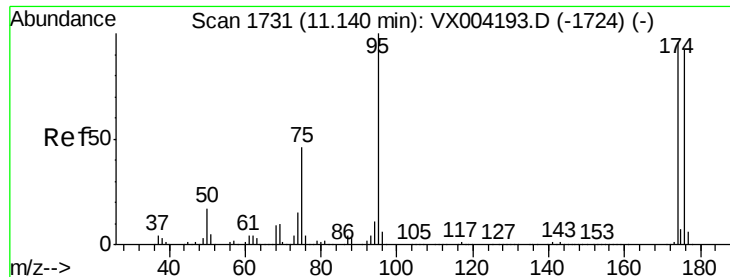
Tgt Ion: 117 Resp: 25745
Ion Ratio Lower Upper
117 100
119 6.6 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.558 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004201.D
Acq: 22 Aug 2018 16:24

Tgt Ion: 98 Resp: 652296
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 46.714 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180821

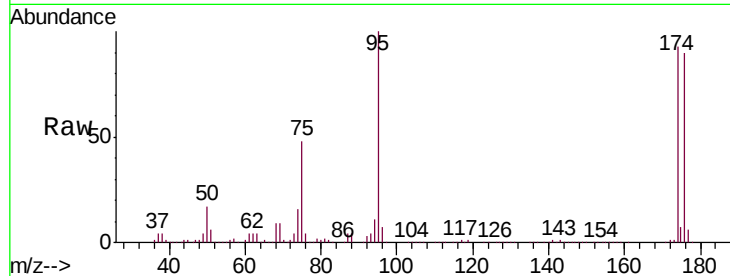
Tgt Ion: 95 Resp: 224881

Ion Ratio Lower Upper

95 100

174 89.5 0.0 185.2

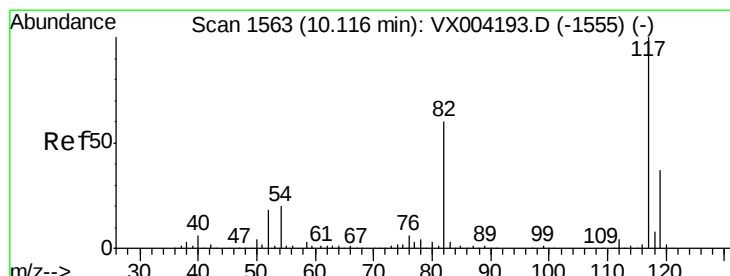
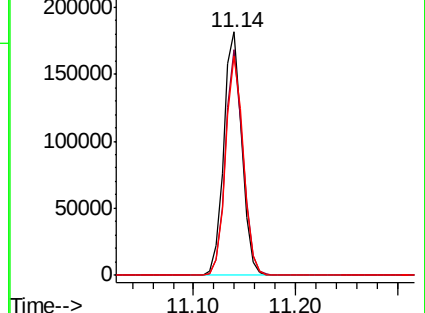
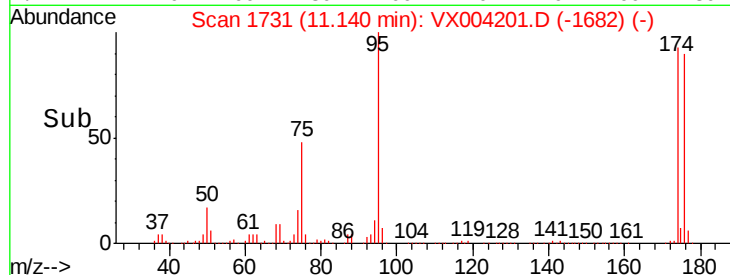
176 88.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004201.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004201.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004201.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

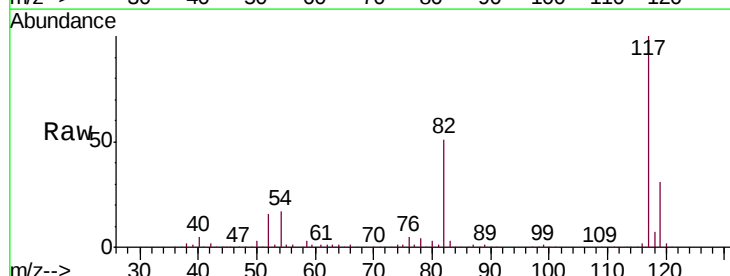
Tgt Ion: 117 Resp: 415427

Ion Ratio Lower Upper

117 100

82 50.6 47.8 71.6

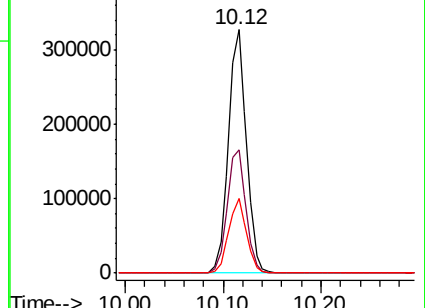
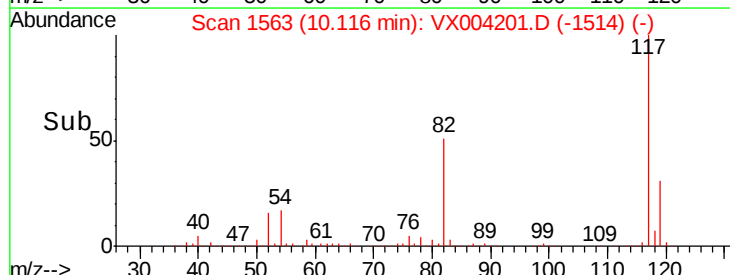
119 30.9 29.3 43.9

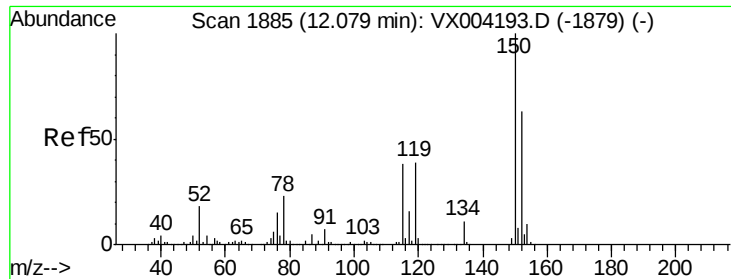


Abundance Ion 116.90 (116.60 to 117.60): VX004201.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004201.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004201.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180821

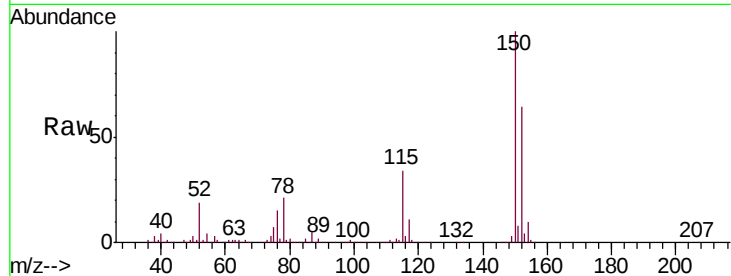
Tgt Ion:152 Resp: 232200

Ion Ratio Lower Upper

152 100

115 54.4 39.0 117.0

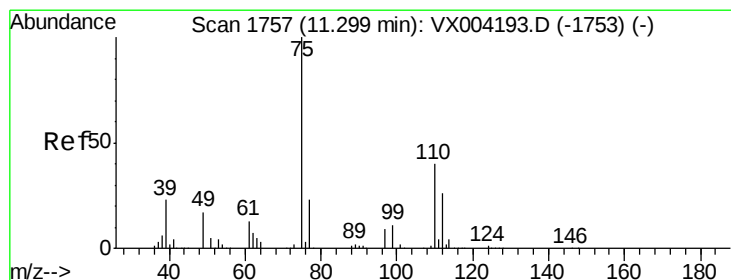
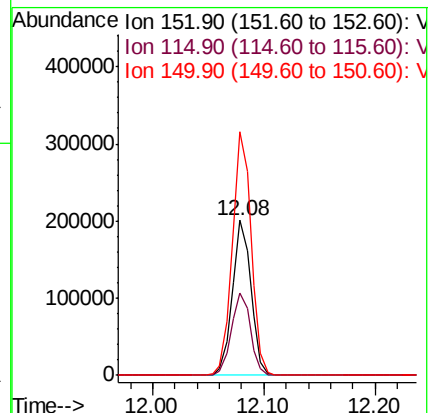
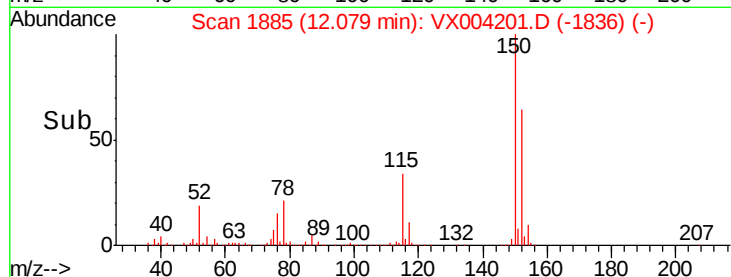
150 158.6 0.0 351.0



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: 22.260 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004201.D

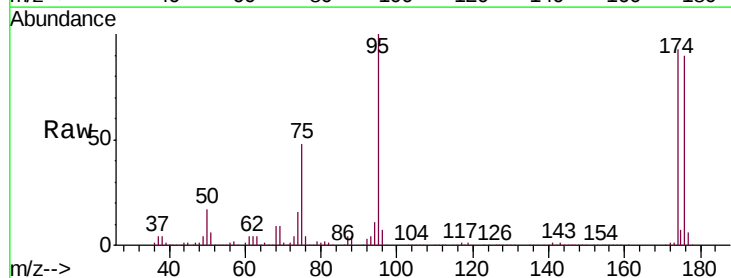
Acq: 22 Aug 2018 16:24

Tgt Ion: 75 Resp: 105124

Ion Ratio Lower Upper

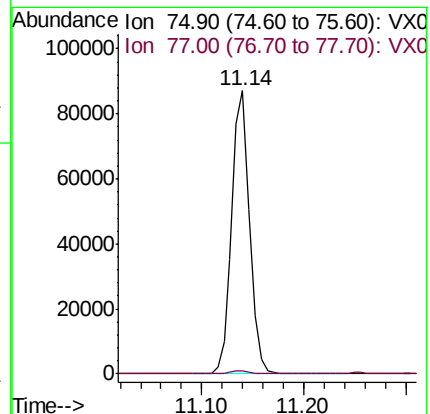
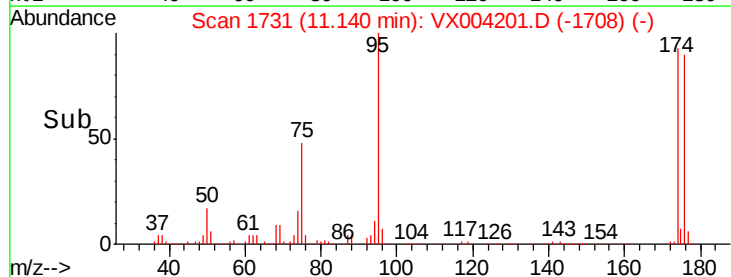
75 100

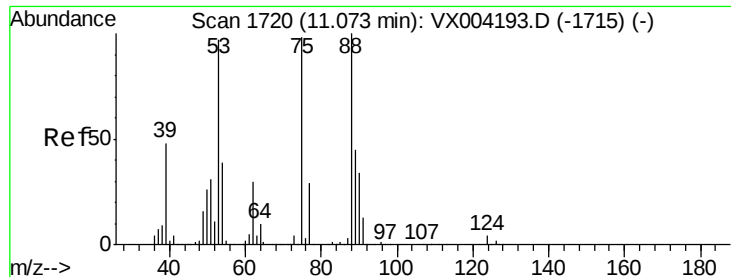
77 1.3 20.2 60.6#



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: 72.225 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004201.D

Acq: 22 Aug 2018 16:24

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180821

Tgt Ion: 75 Resp: 105124

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

