

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004340.D
 Acq On : 04 Sep 2018 12:11
 Operator : JC/MD
 Sample : VX0904WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

Quant Time: Sep 05 06:37:50 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	281975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	445011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231820	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	197308	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	
35) Dibromofluoromethane	5.50	113	176001	53.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.32%	
50) Toluene-d8	8.71	98	634483	50.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	218881	46.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.88%	

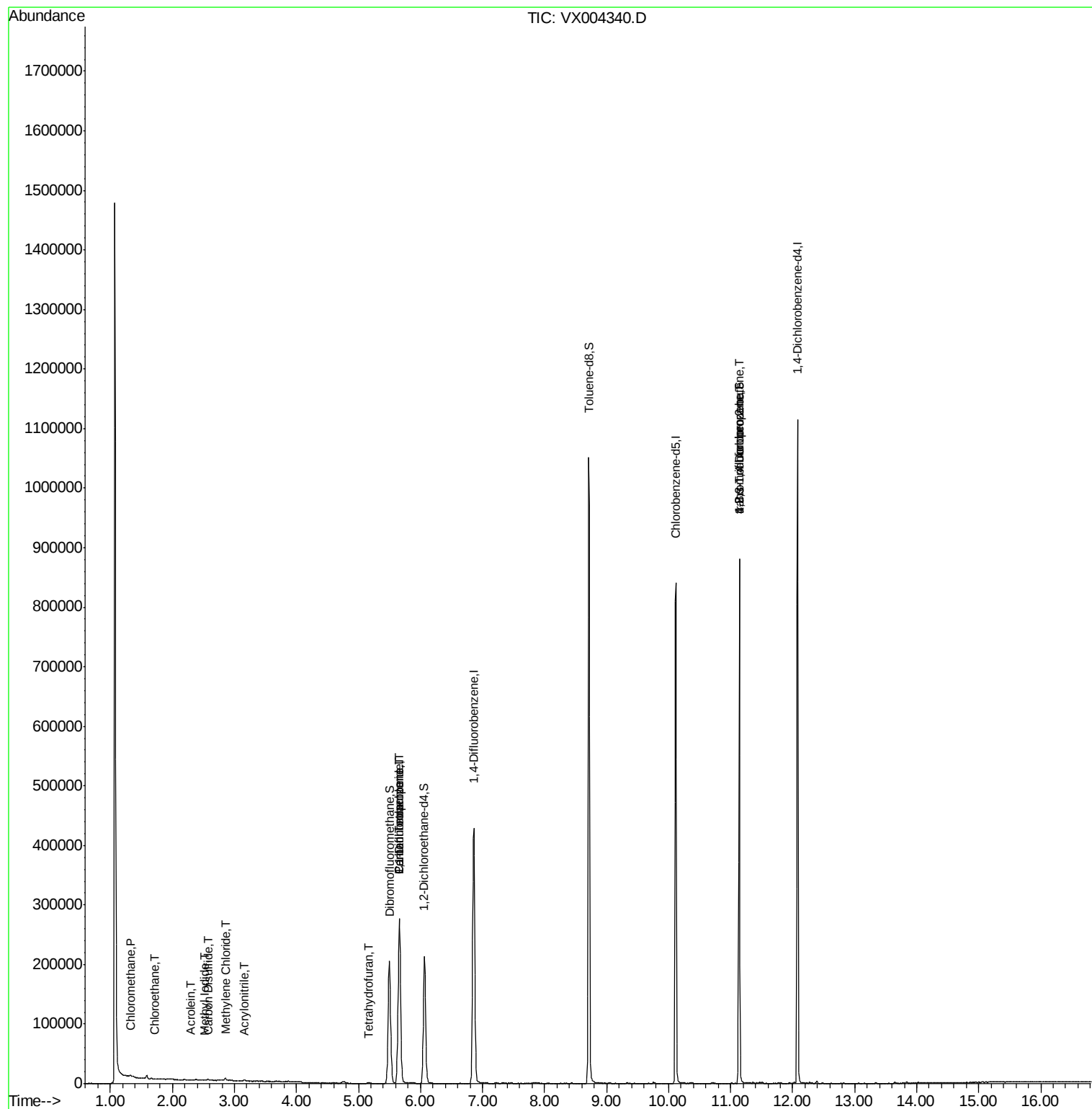
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	982	0.56	ug/l	93
5) Bromomethane	1.65	94	877	Below Cal		93
6) Chloroethane	1.71	64	278	1.06	ug/l #	71
10) Methyl Iodide	2.53	142	586	4.41	ug/l #	90
13) Acrolein	2.29	56	371	1.96	ug/l #	10
15) Acrylonitrile	3.15	53	827	0.43	ug/l	96
16) Acetone	2.44	43	556	Below Cal	#	57
17) Carbon Disulfide	2.57	76	1987	1.03	ug/l #	92
20) Methylene Chloride	2.86	84	1800	0.51	ug/l #	84
25) 2-Butanone	4.70	43	384	Below Cal	#	47
29) Tetrahydrofuran	5.16	42	662	0.42	ug/l #	51
36) 1,1-Dichloropropene	5.65	75	18577	3.71	ug/l #	49
38) Carbon Tetrachloride	5.66	117	24988	5.31	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	102236	21.68	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	102236	70.36	ug/l #	10
94) Hexachlorobutadiene	13.79	225	326	Below Cal		95

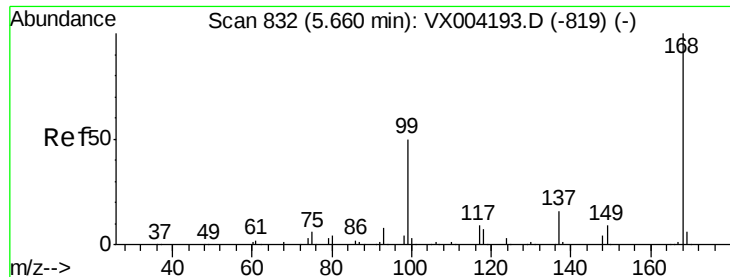
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 05 06:37:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

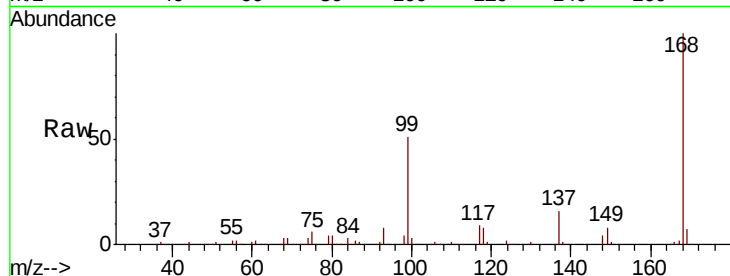
VX0904WBL01

Tot Ion:168 Resp: 281975

Ion Ratio Lower Upper

168 100

99 51.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

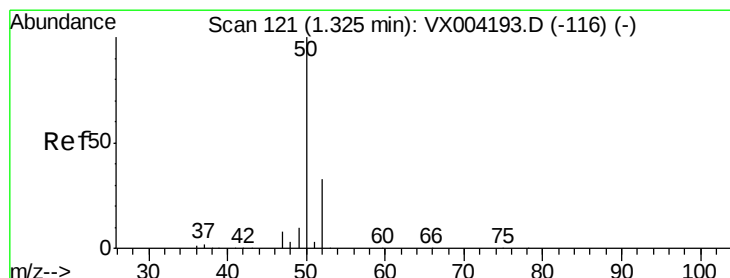
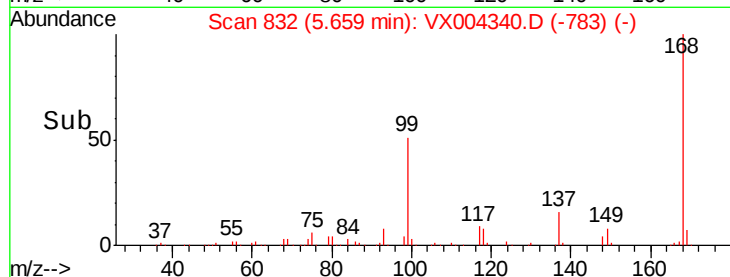
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.56 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004340.D

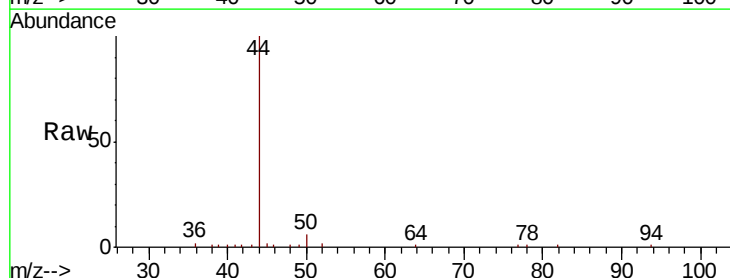
Acq: 04 Sep 2018 12:11

Tgt Ion: 50 Resp: 982

Ion Ratio Lower Upper

50 100

52 36.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

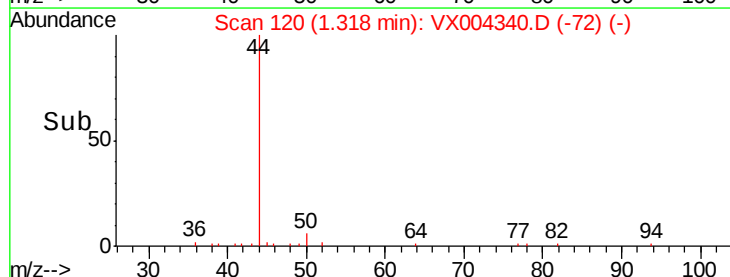
400

200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

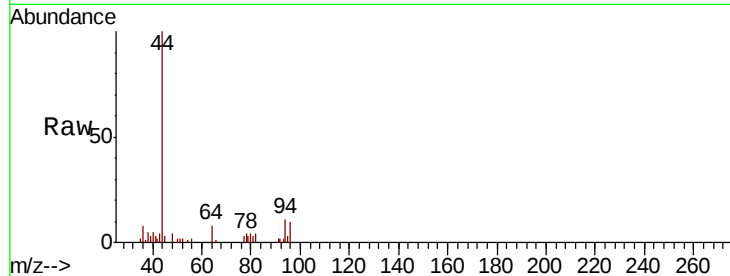
VX0904WBL01

Tot Ion: 94 Resp: 877

Ion Ratio Lower Upper

94 100

96 86.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

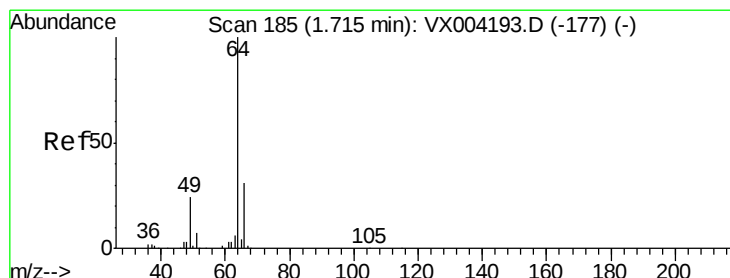
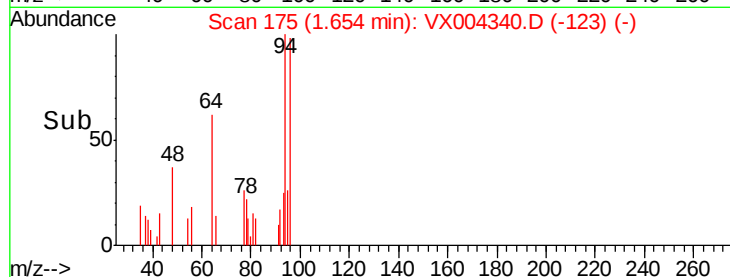
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.06 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004340.D

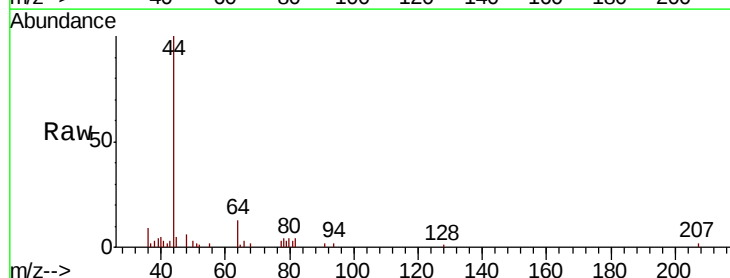
Acq: 04 Sep 2018 12:11

Tgt Ion: 64 Resp: 278

Ion Ratio Lower Upper

64 100

66 46.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

600

500

400

300

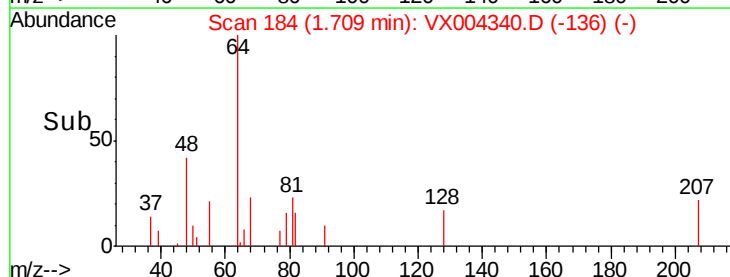
200

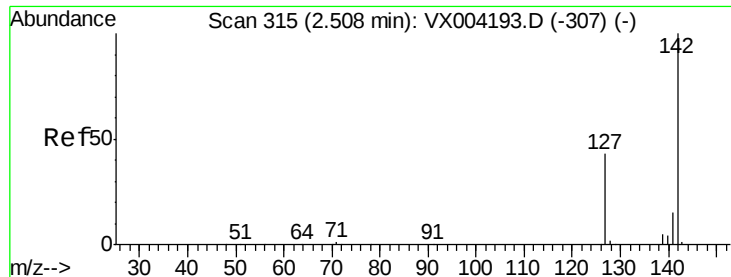
100

0

1.66 1.68 1.70 1.72

Time-->

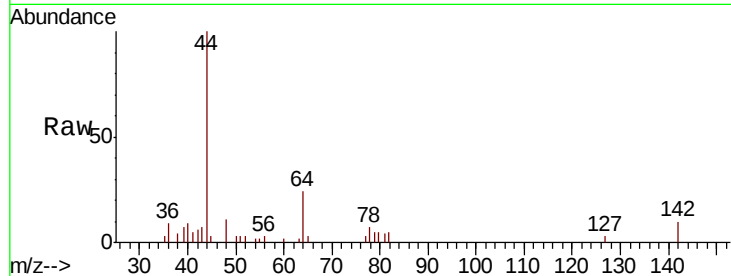




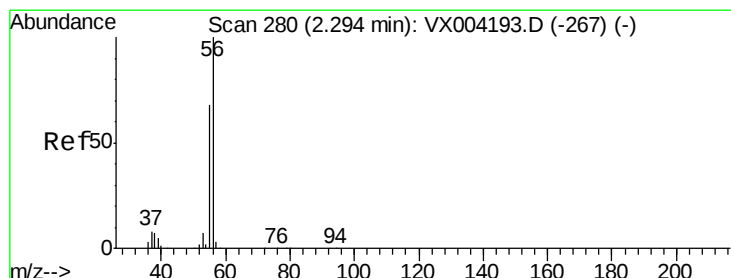
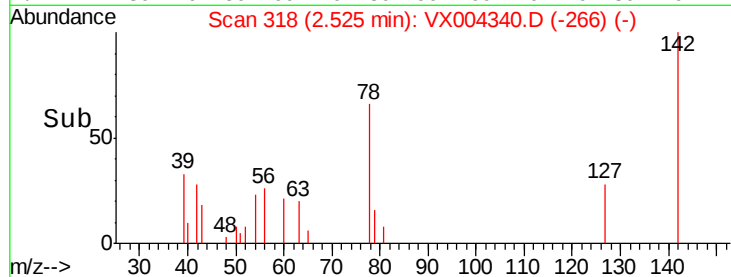
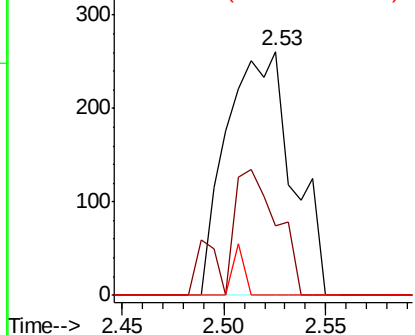
#10
Methvl Iodide
Concen: 4.41 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX004340.D
Acq: 04 Sep 2018 12:11

Instrument :
MSVOA_X
ClientSampleId :
VX0904WBL01

Tot Ion:142 Resp: 586
Ion Ratio Lower Upper
142 100
127 39.2 33.8 50.6
141 3.4 11.4 17.0#

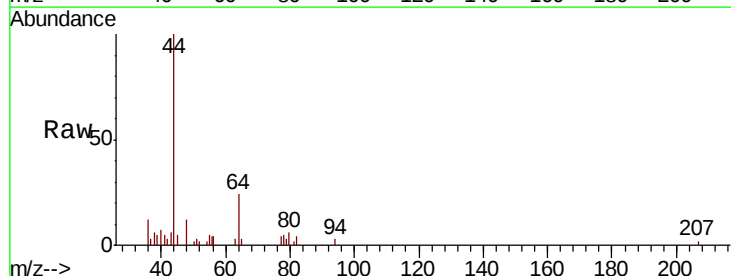


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

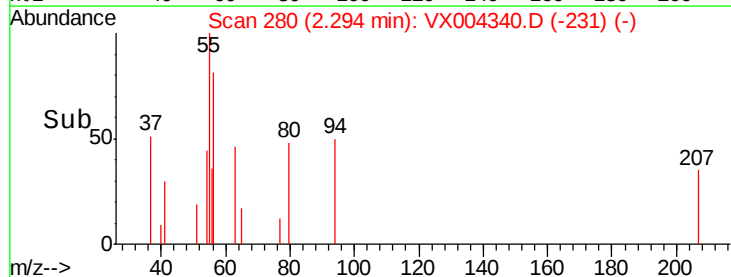
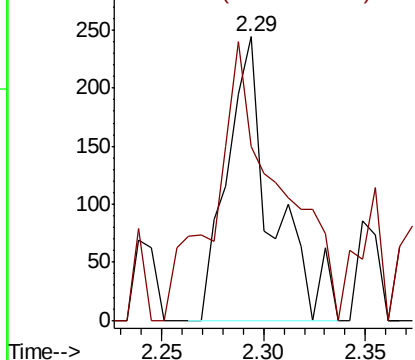


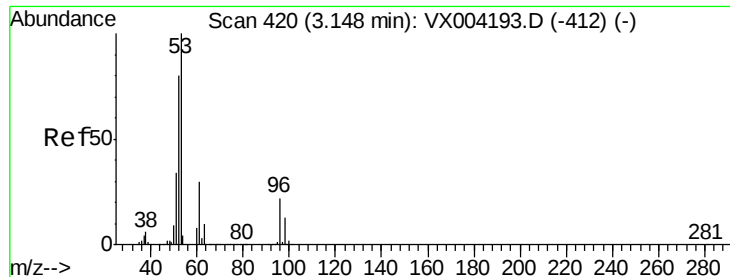
#13
Acrolein
Concen: 1.96 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX004340.D
Acq: 04 Sep 2018 12:11

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 141.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

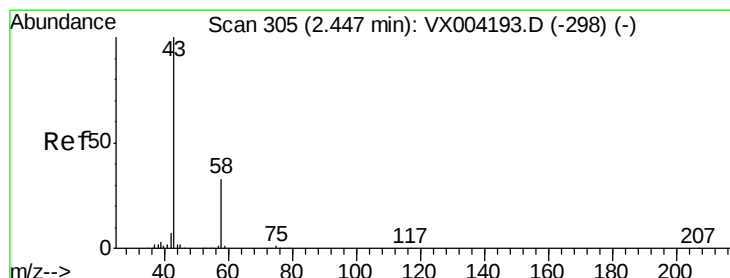
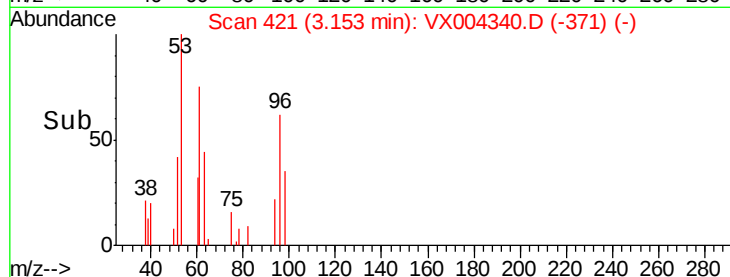
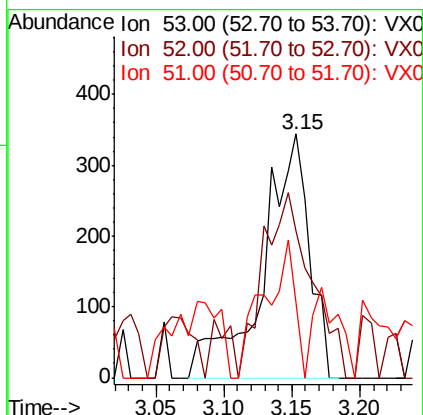
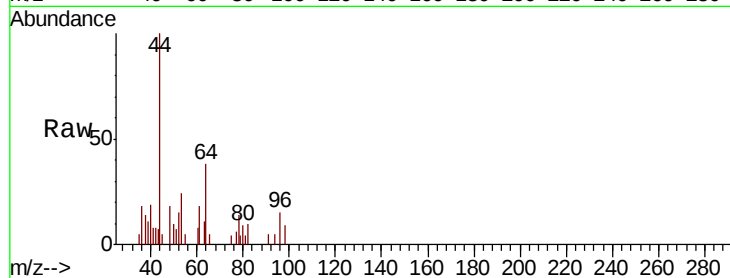




#15
 Acrylonitrile
 Concen: 0.43 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

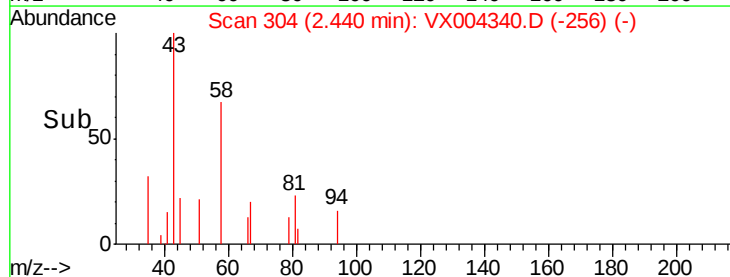
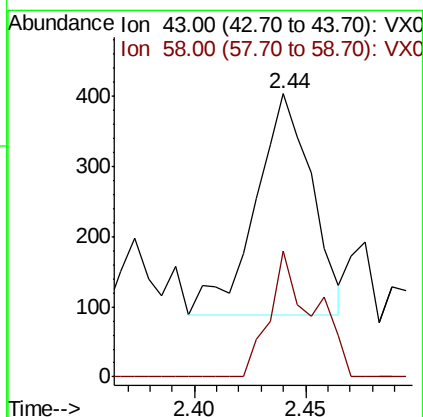
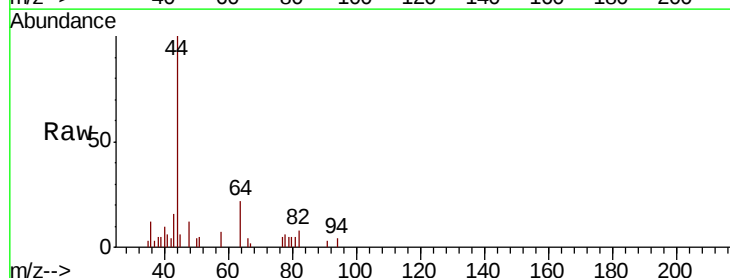
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0904WBL01

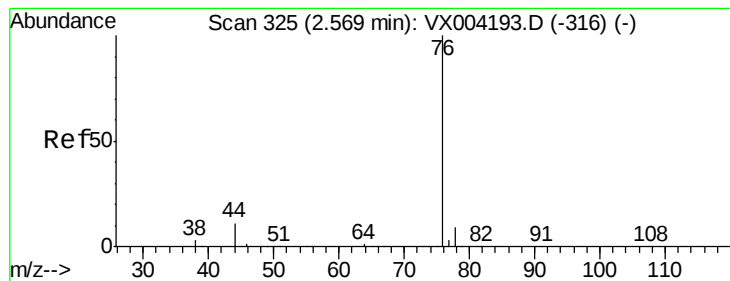
Tot Ion: 53 Resp: 827
 Ion Ratio Lower Upper
 53 100
 52 78.2 65.2 97.8
 51 37.4 28.2 42.2



#16
 Acetone
 Concen: Below Cal
 RT: 2.44 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

Tgt Ion: 43 Resp: 556
 Ion Ratio Lower Upper
 43 100
 58 57.1 26.2 39.4#





#17

Carbon Disulfide

Concen: 1.03 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

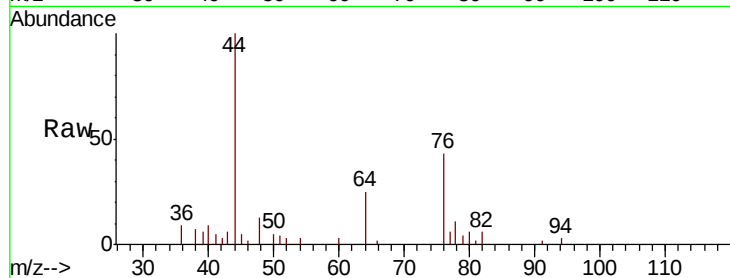
VX0904WBL01

Tot Ion: 76 Resp: 1987

Ion Ratio Lower Upper

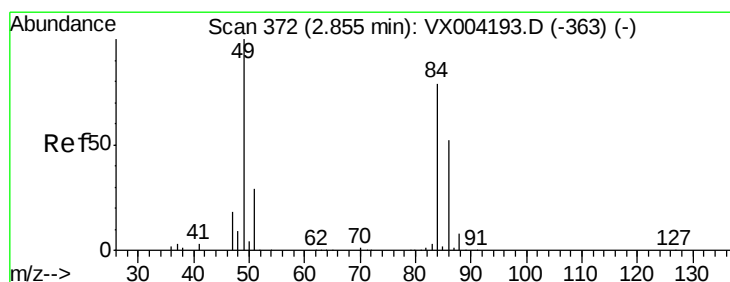
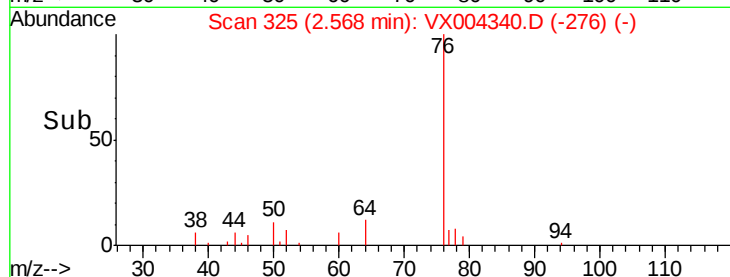
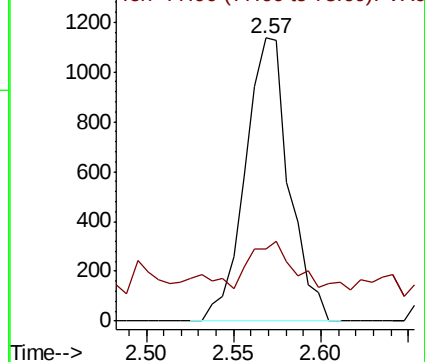
76 100

78 11.5 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: 0.51 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Tgt Ion: 84 Resp: 1800

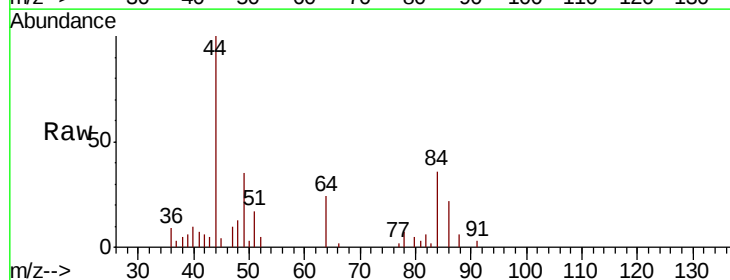
Ion Ratio Lower Upper

84 100

49 97.3 101.2 151.8#

51 37.4 29.5 44.3

86 60.8 52.3 78.5

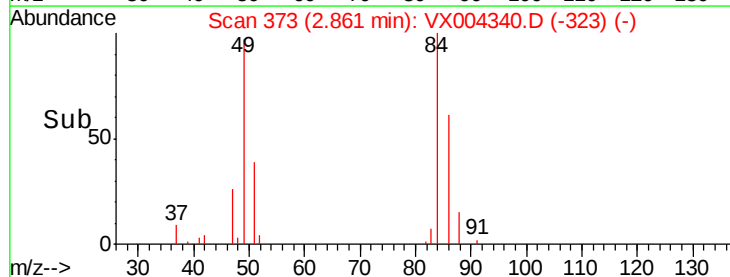
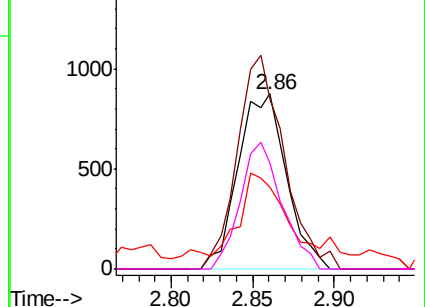


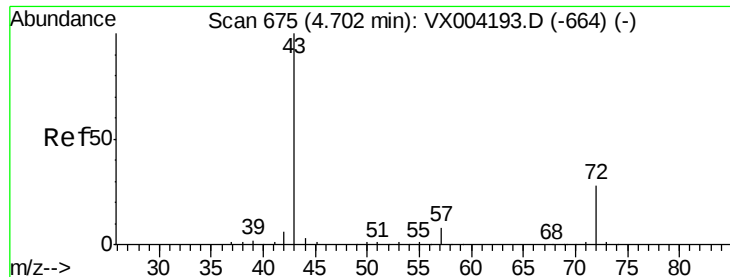
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

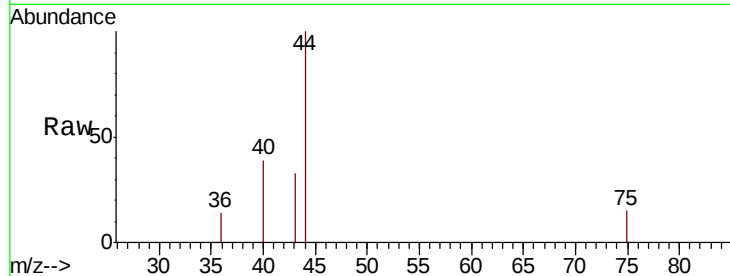
VX0904WBL01

Tot Ion: 43 Resp: 384

Ion Ratio Lower Upper

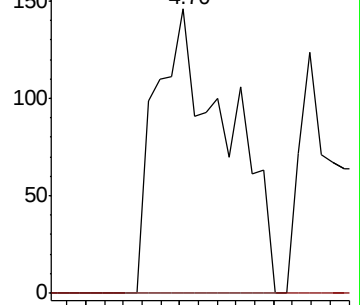
43 100

72 0.0 22.0 33.0#

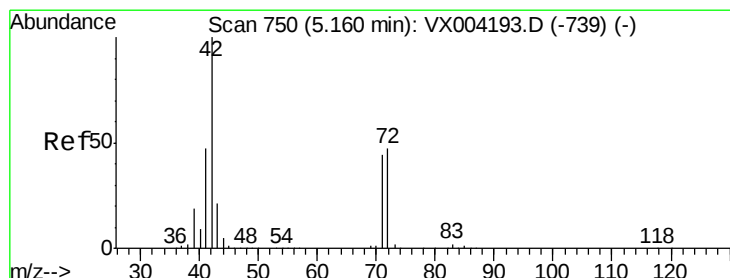
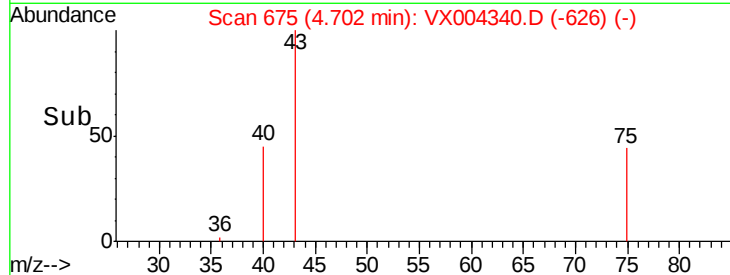


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

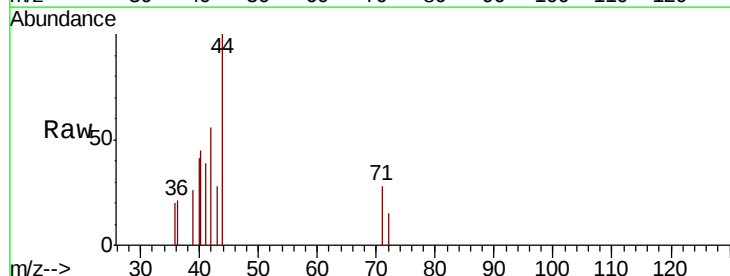
Tgt Ion: 42 Resp: 662

Ion Ratio Lower Upper

42 100

72 13.4 37.4 56.0#

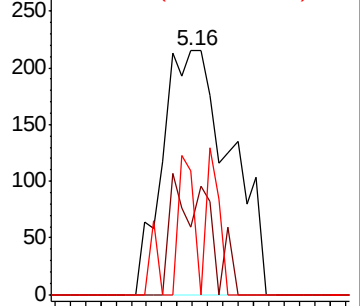
71 12.8 34.5 51.7#



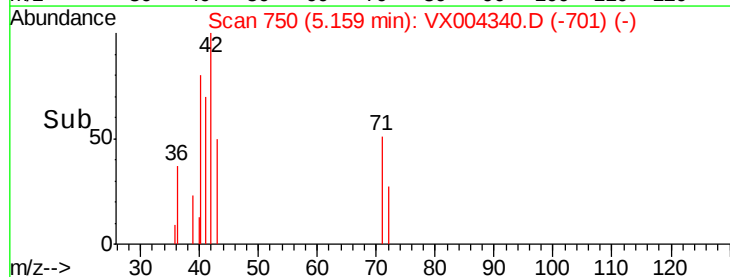
Abundance Ion 42.00 (41.70 to 42.70): VX0

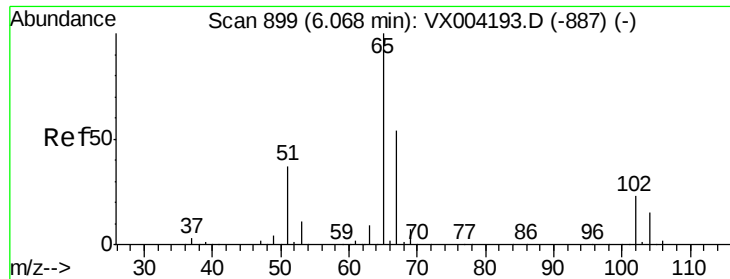
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

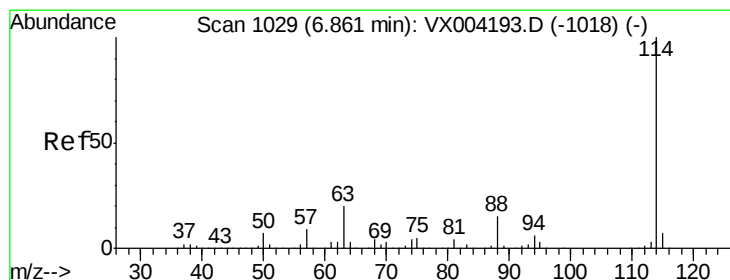
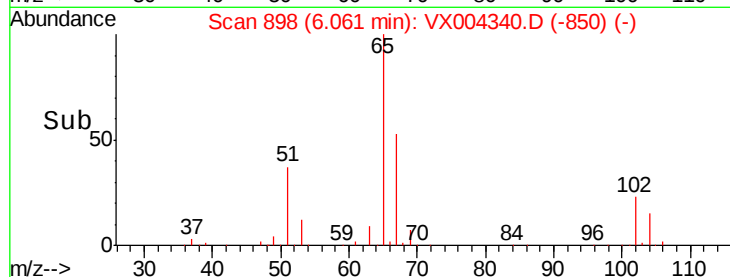
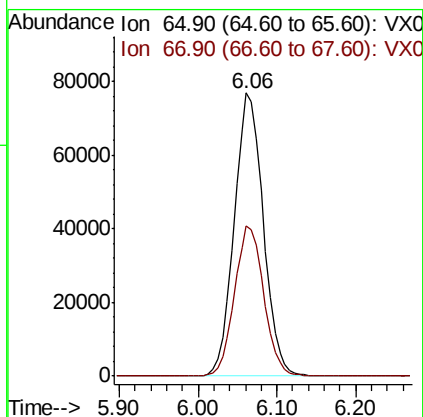
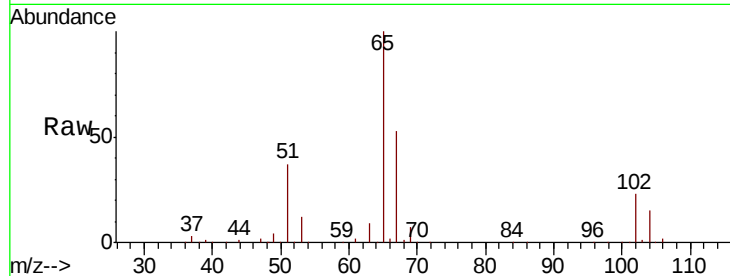




#33
 1,2-Dichloroethane-d4
 Concen: 53.69 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

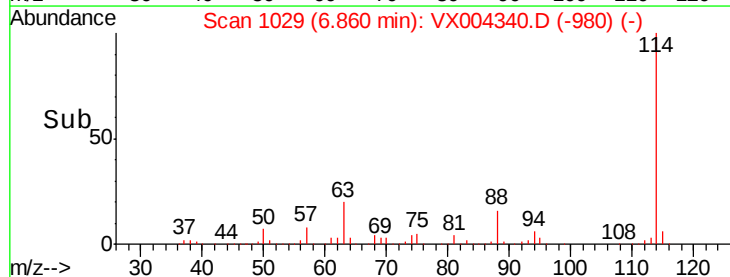
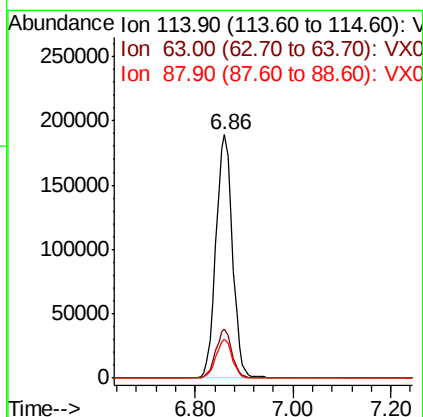
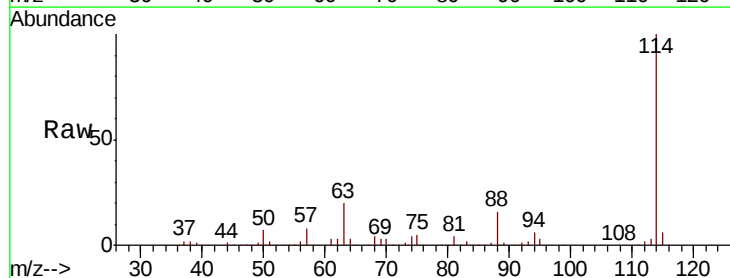
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

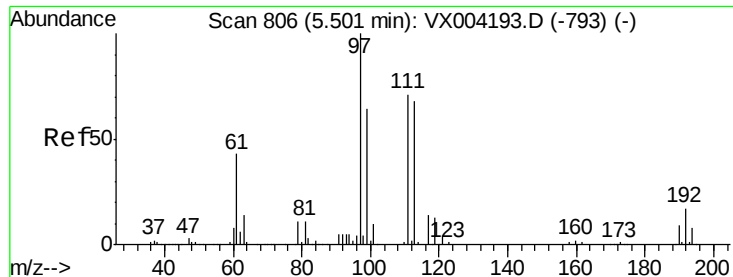
Tot Ion: 65 Resp: 197308
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

Tgt Ion: 114 Resp: 445011
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 16.0 0.0 30.4

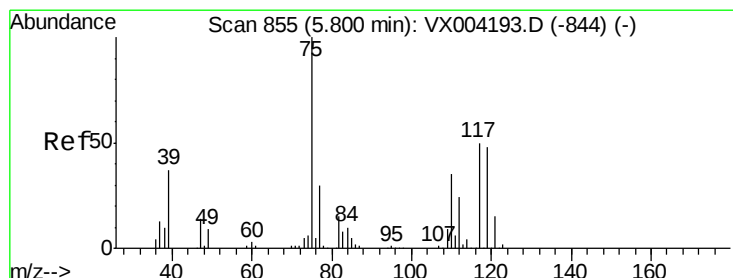
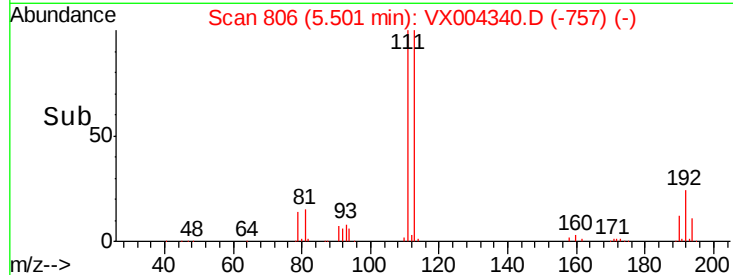
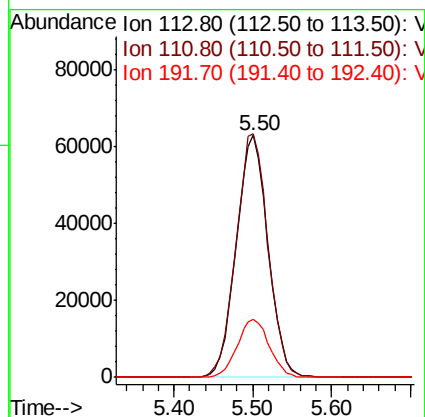
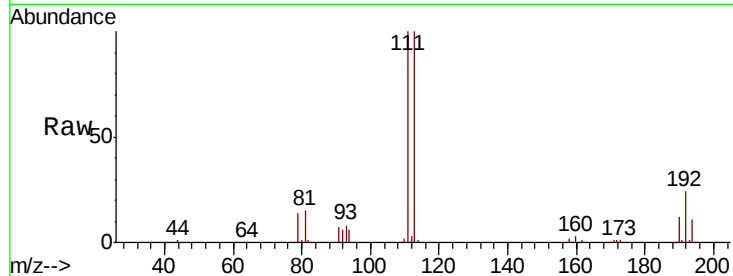




#35
 Dibromofluoromethane
 Concen: 53.16 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

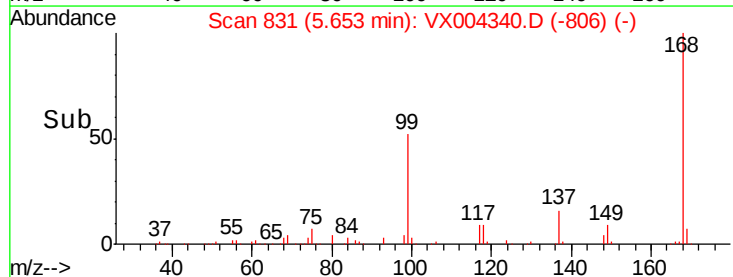
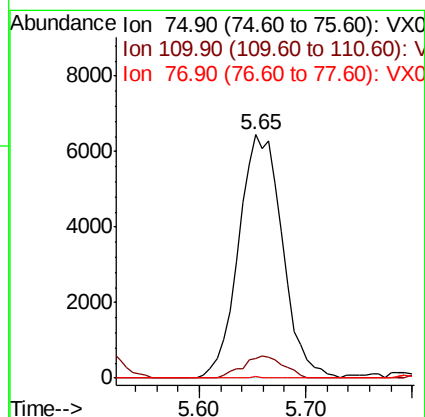
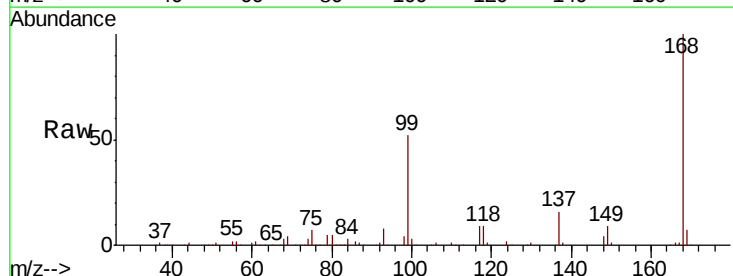
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904WBL01

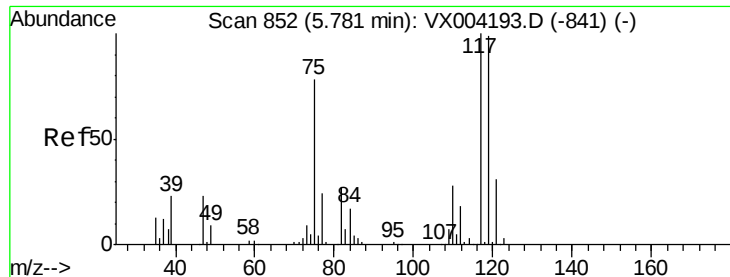
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	24.3	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 5.65 min Scan# 831
 Delta R.T. -0.15 min
 Lab File: VX004340.D
 Acq: 04 Sep 2018 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.0	54.0#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.31 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBL01

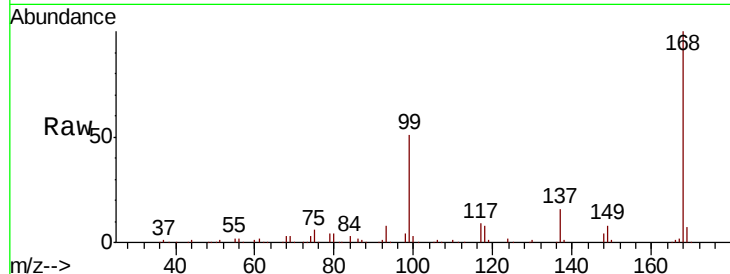
Tot Ion:117 Resp: 24988

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

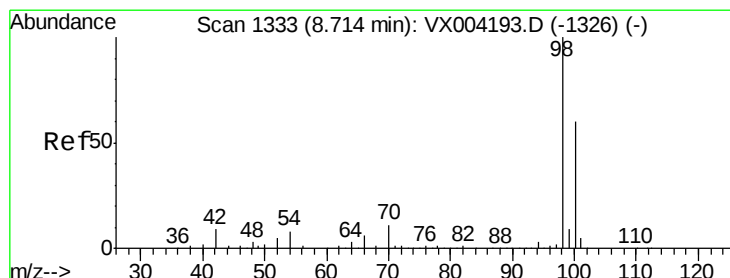
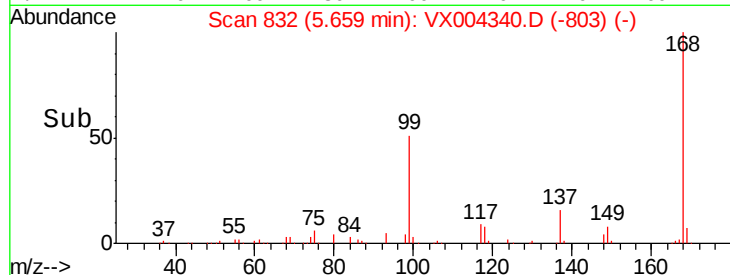
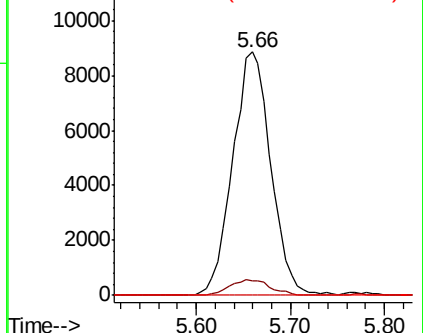
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.77 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004340.D

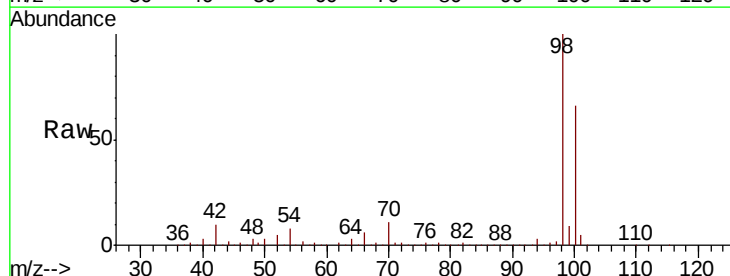
Acq: 04 Sep 2018 12:11

Tgt Ion: 98 Resp: 634483

Ion Ratio Lower Upper

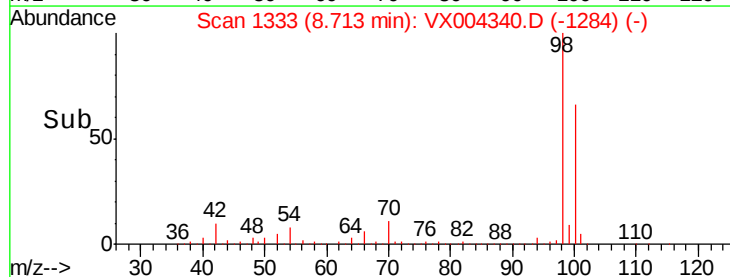
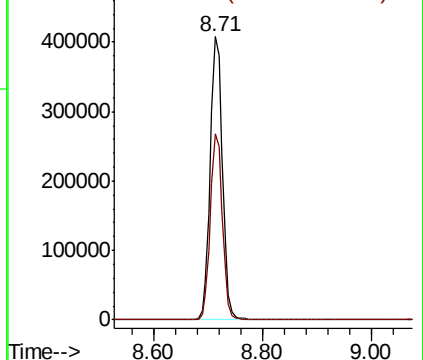
98 100

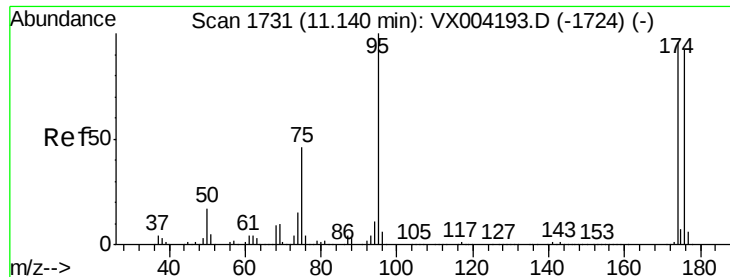
100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBL01

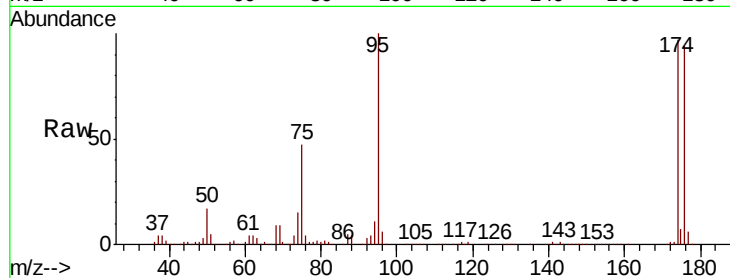
Tot Ion: 95 Resp: 218881

Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.2

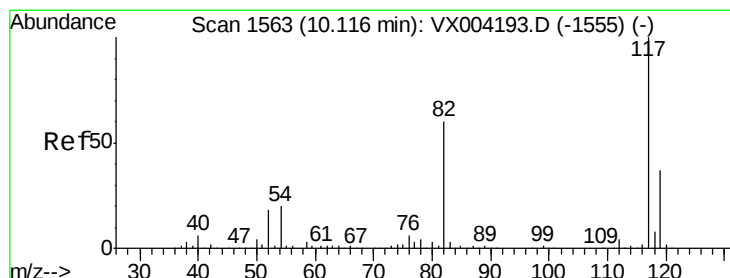
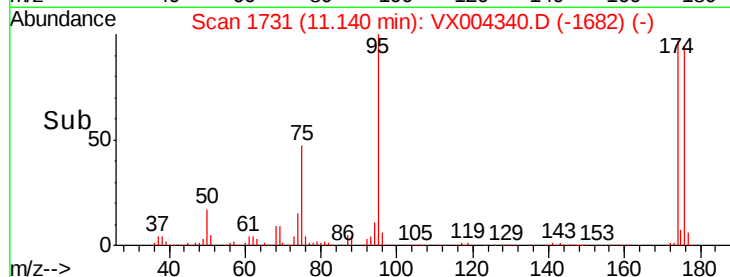
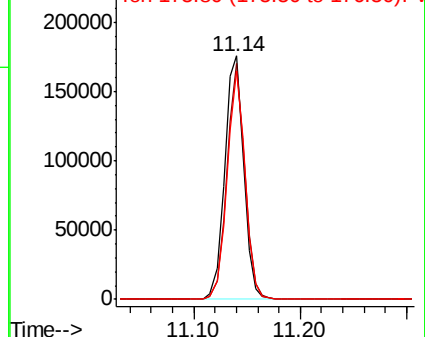
176 89.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

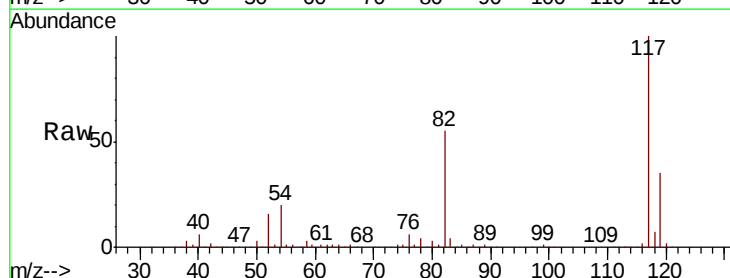
Tgt Ion: 117 Resp: 406581

Ion Ratio Lower Upper

117 100

82 55.3 47.8 71.6

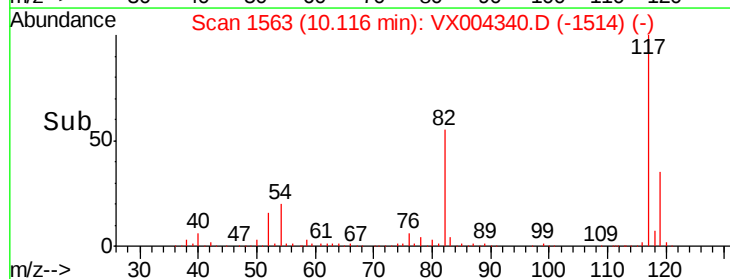
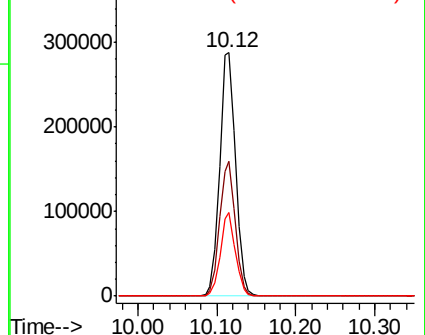
119 34.6 29.3 43.9

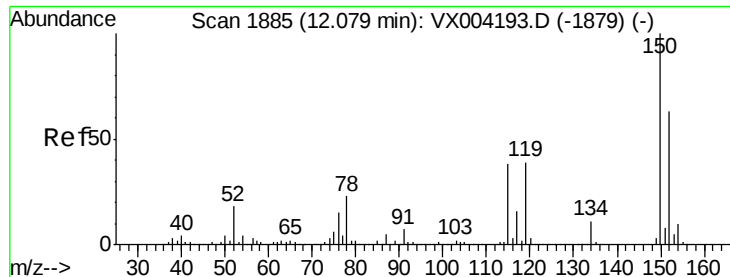


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBL01

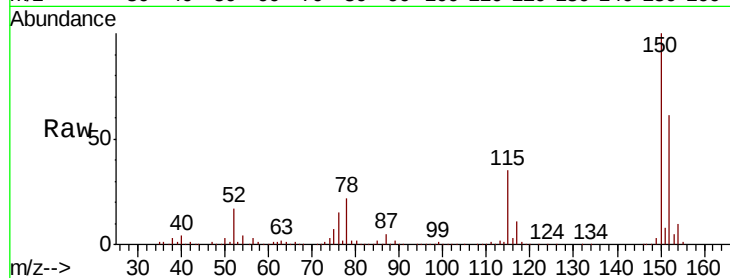
Tot Ion:152 Resp: 231820

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

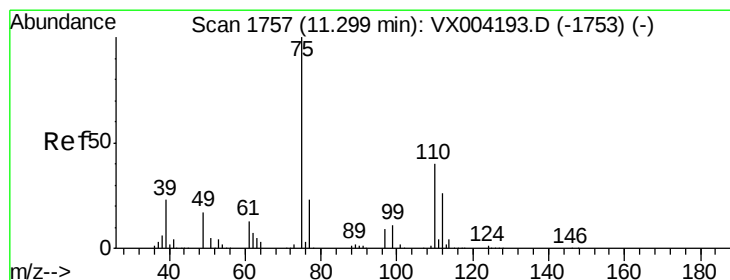
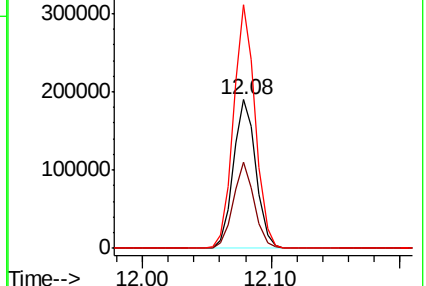
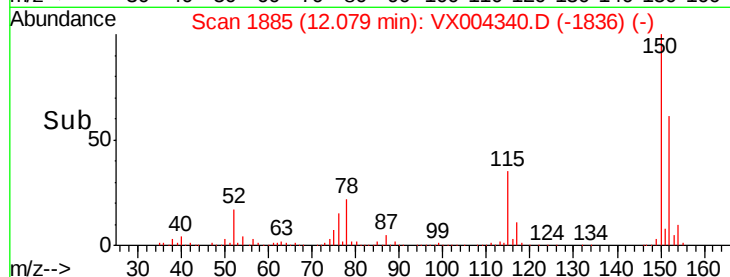
150 158.0 0.0 351.0



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: 21.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004340.D

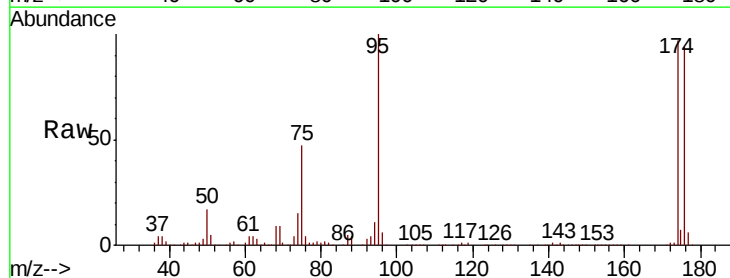
Acq: 04 Sep 2018 12:11

Tgt Ion: 75 Resp: 102236

Ion Ratio Lower Upper

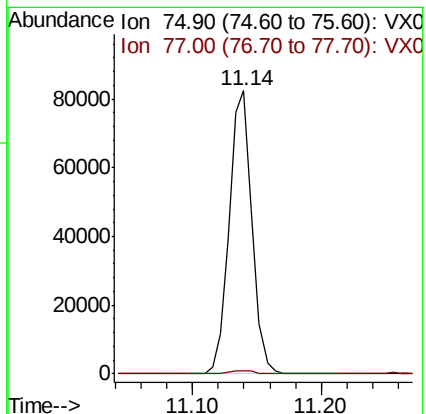
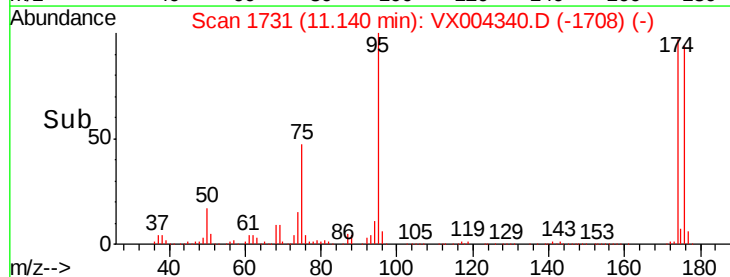
75 100

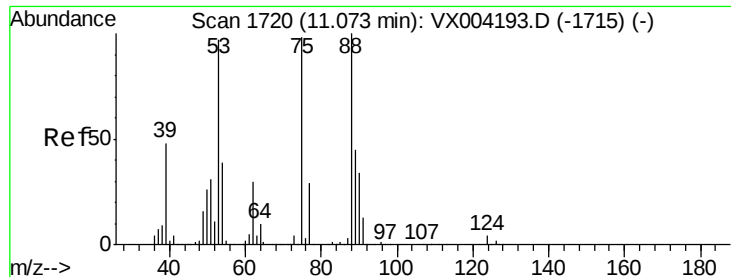
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004340.D

Acq: 04 Sep 2018 12:11

Instrument :

MSVOA_X

ClientSampleId :

VX0904WBL01

Tot Ion: 75 Resp: 102236

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

