

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004880.D
 Acq On : 01 Oct 2018 19:29
 Operator : JC/MD
 Sample : J5135-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913

Quant Time: Oct 02 02:42:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

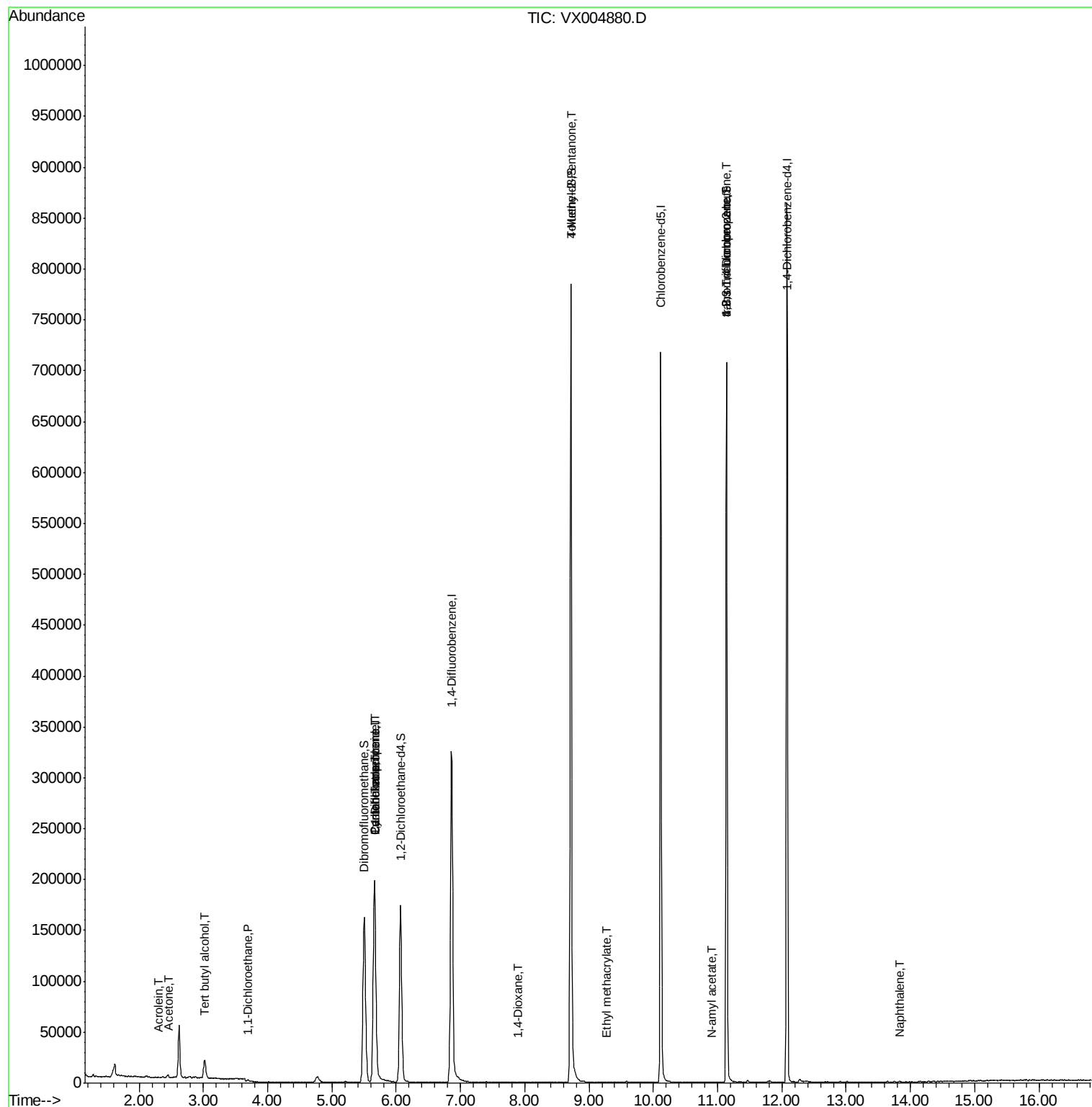
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	206686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340879	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179809	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165462	56.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.08%	
35) Dibromofluoromethane	5.50	113	139887	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	8.72	98	496344	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.14	95	173650	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.73	64	223	Below Cal	#	64
11) Tert butyl alcohol	3.01	59	11381	13.786	ug/l #	81
13) Acrolein	2.30	56	222	0.378	ug/l #	63
16) Acetone	2.45	43	3044	1.766	ug/l	94
20) Methylene Chloride	2.85	84	541	Below Cal	#	73
24) 1,1-Dichloroethane	3.70	63	1579	0.322	ug/l #	82
31) Cyclohexane	5.67	56	4102	1.092	ug/l #	11
36) 1,1-Dichloropropene	5.66	75	14866	3.772	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18589	4.486	ug/l #	17
49) 1,4-Dioxane	7.90	88	19	0.223	ug/l #	30
51) 4-Methyl-2-Pentanone	8.72	43	2331	0.490	ug/l #	1
56) Ethyl methacrylate	9.27	69	18	2.866	ug/l #	1
74) N-amyl acetate	10.90	43	21	1.751	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	86895	21.561	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.50	105	113	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	86895	58.455	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	166	Below Cal	#	30
95) Naphthalene	13.83	128	219	0.734	ug/l #	70

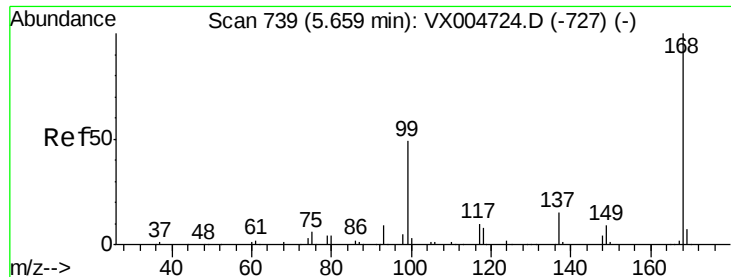
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004880.D
Acq On : 01 Oct 2018 19:29
Operator : JC/MD
Sample : J5135-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913

Quant Time: Oct 02 02:42:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

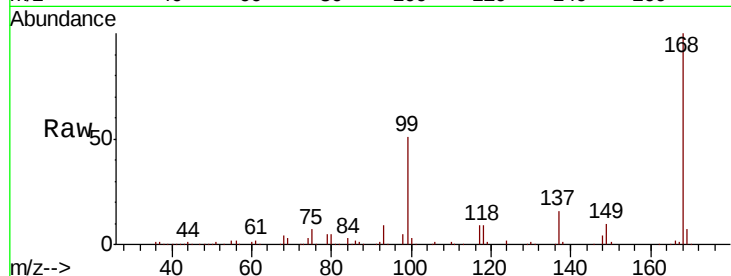
SA-TW502-0913

Tot Ion:168 Resp: 206686

Ion Ratio Lower Upper

168 100

99 51.4 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

80000

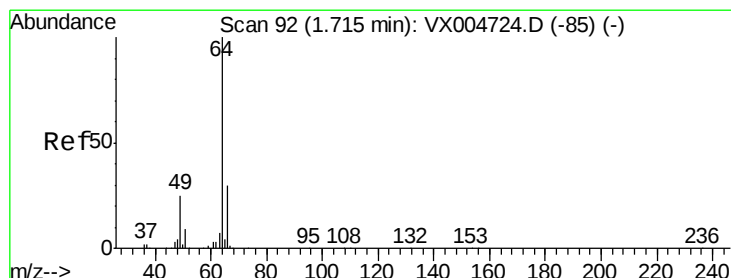
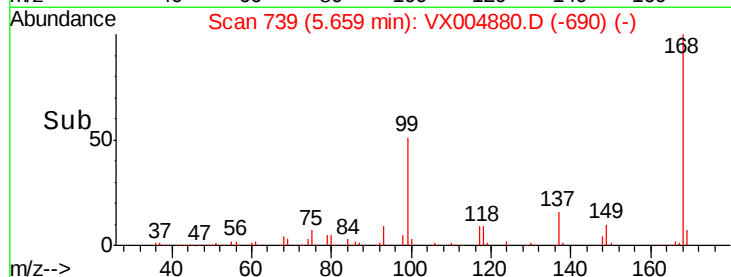
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004880.D

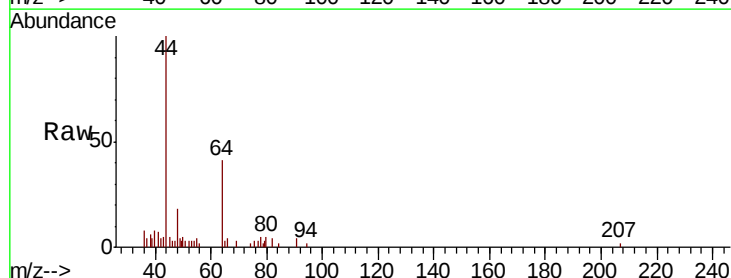
Acq: 01 Oct 2018 19:29

Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 11.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

1000

800

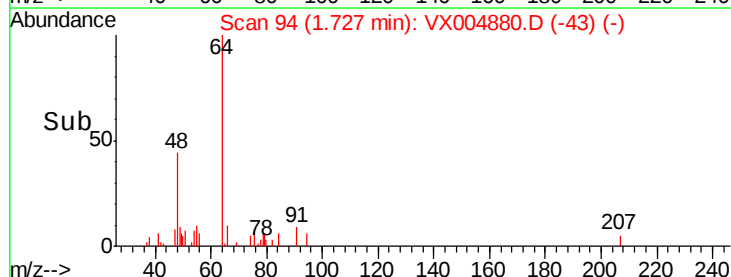
600

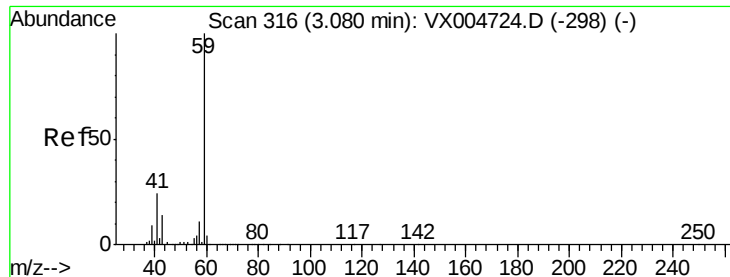
400

200

0

Time--> 1.71 1.72 1.73 1.74

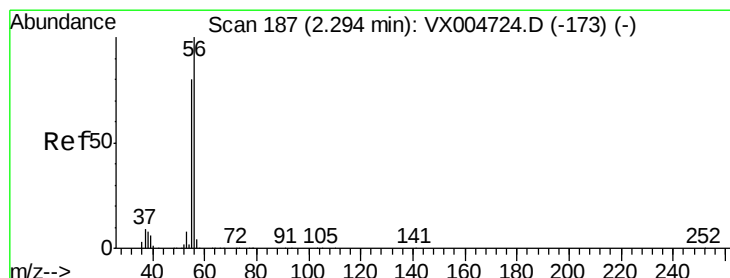
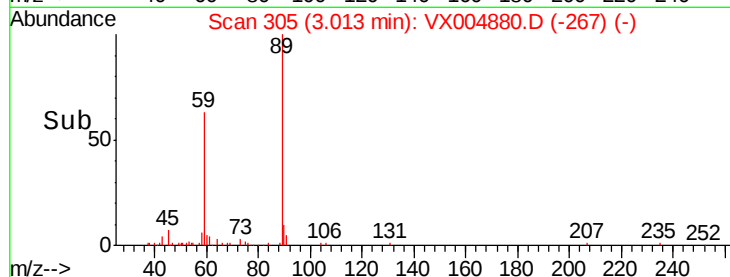
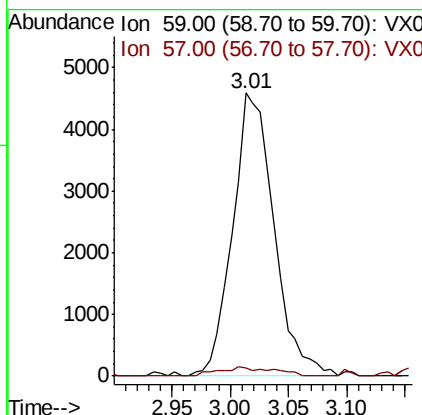
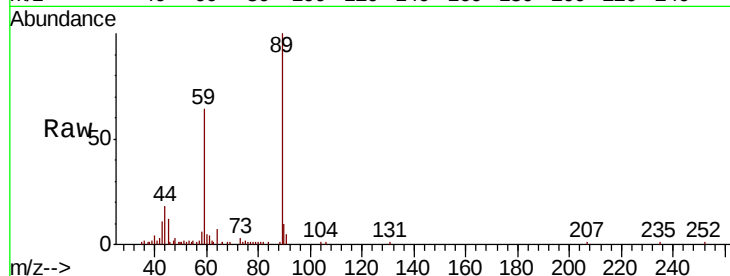




#11
Tert butyl alcohol
Concen: 13.786 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004880.D
Acq: 01 Oct 2018 19:29

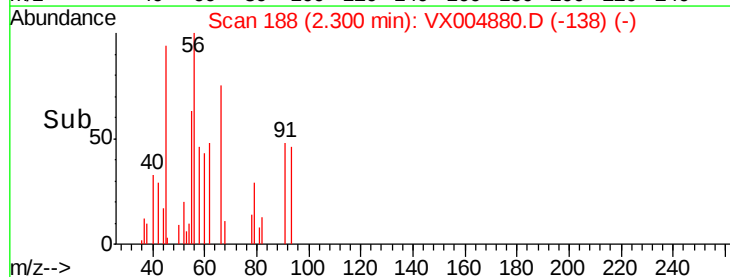
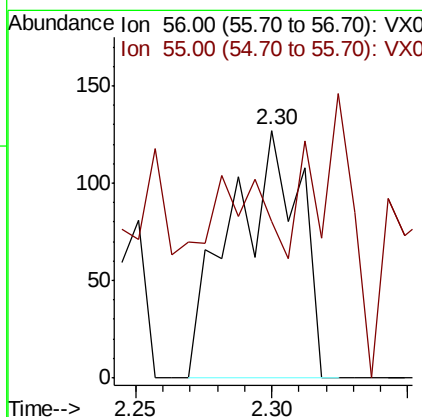
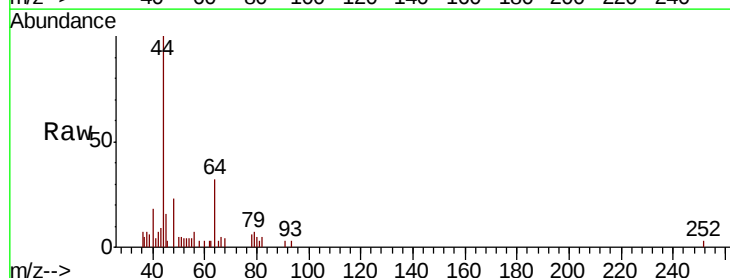
Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913

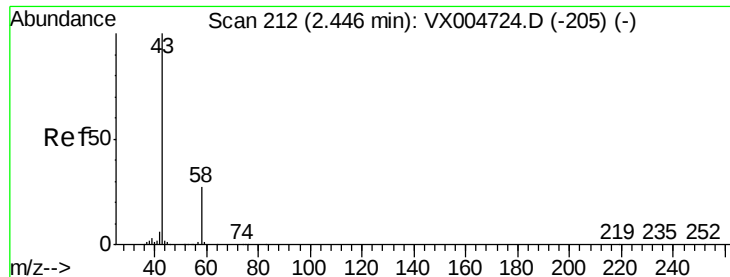
Tot Ion: 59 Resp: 11381
Ion Ratio Lower Upper
59 100
57 3.2 8.2 12.4#



#13
Acrolein
Concen: 0.378 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX004880.D
Acq: 01 Oct 2018 19:29

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 38.7 54.7 82.1#





#16

Acetone

Concen: 1.766 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

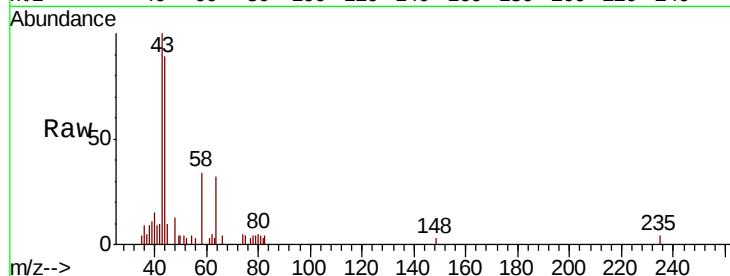
SA-TW502-0913

Tot Ion: 43 Resp: 3044

Ion Ratio Lower Upper

43 100

58 36.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

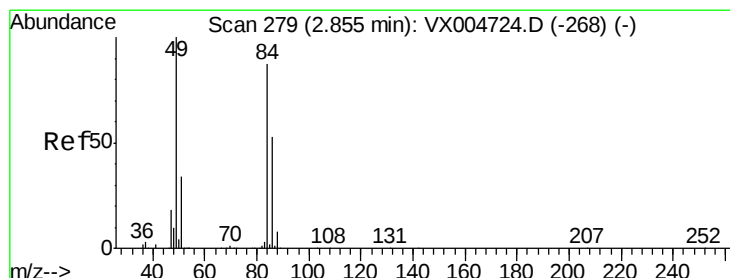
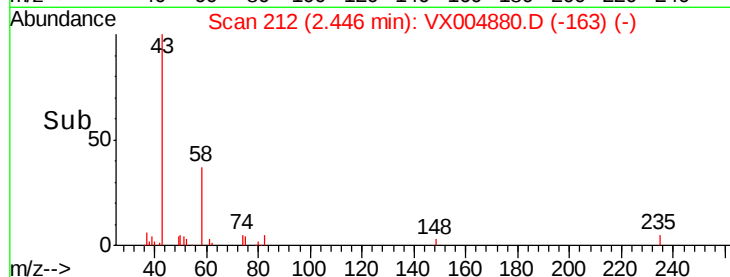
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Tgt Ion: 84 Resp: 541

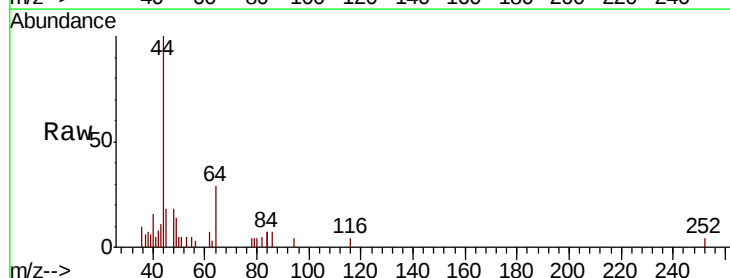
Ion Ratio Lower Upper

84 100

49 98.8 101.2 151.8#

51 4.0 29.5 44.3#

86 51.4 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

2.85

300

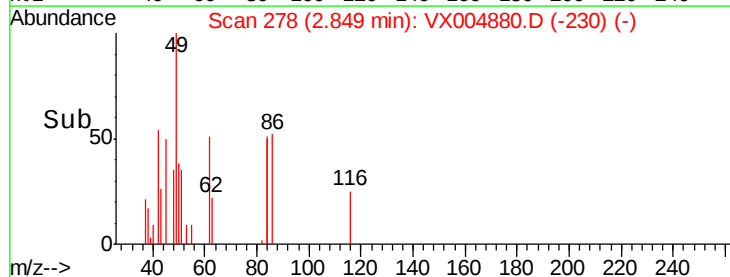
200

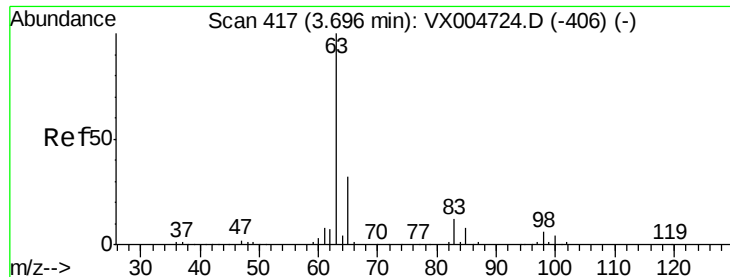
100

0

2.80 2.85 2.90

Time-->





#24

1,1-Dichloroethane

Concen: 0.322 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913

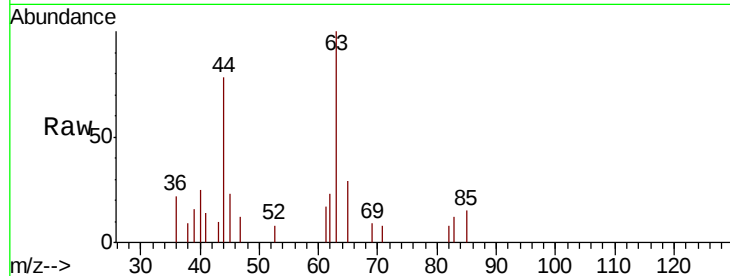
Tot Ion: 63 Resp: 1579

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

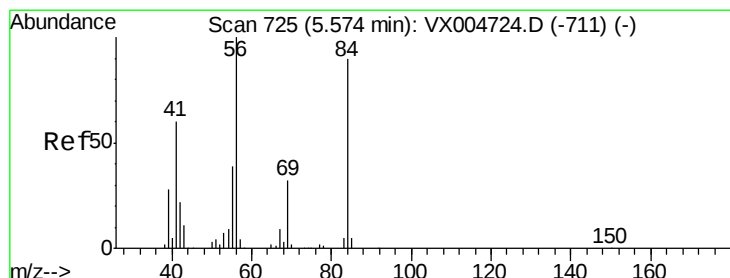
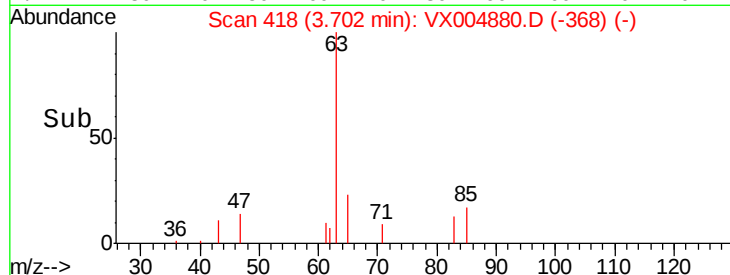
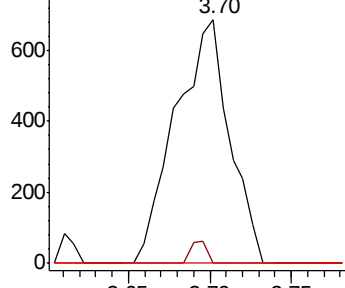
100 0.0 2.4 7.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

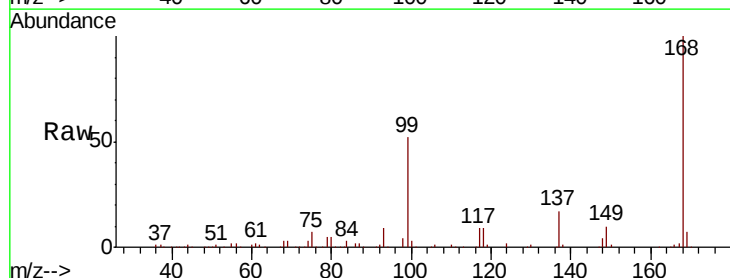
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 153.6 25.4 38.2#

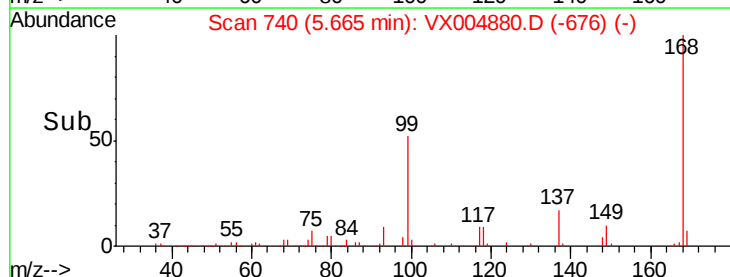
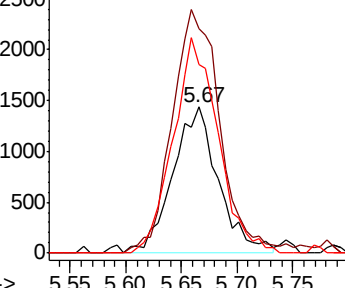
84 129.5 71.4 107.2#

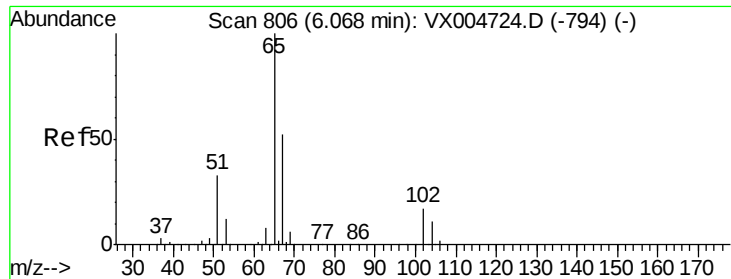


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

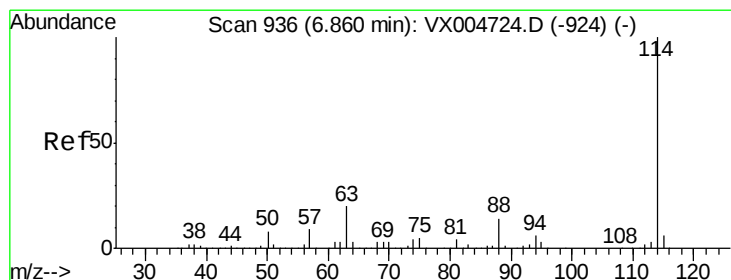
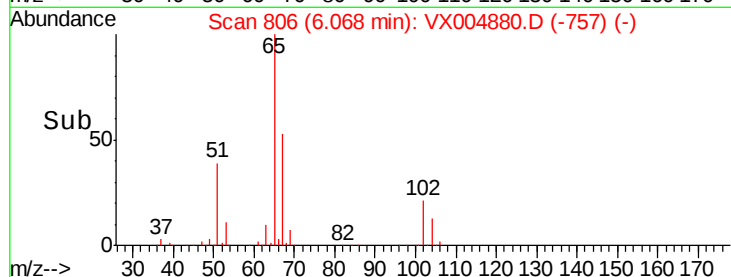
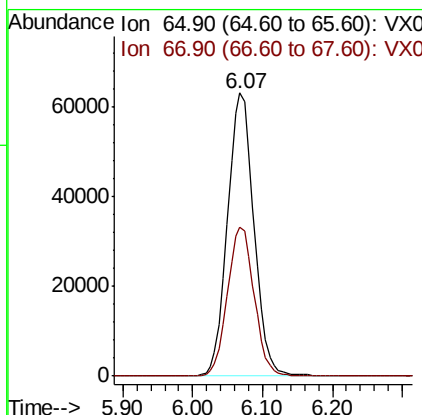
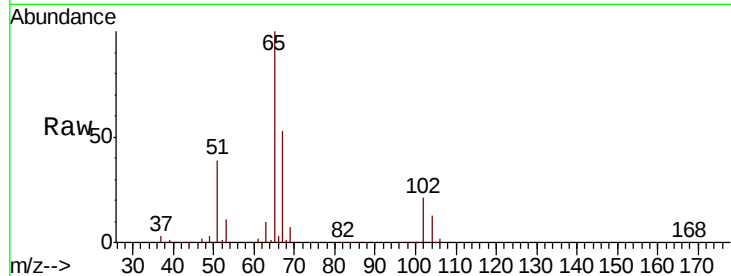




#33
 1,2-Dichloroethane-d4
 Concen: 56.041 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004880.D
 Acq: 01 Oct 2018 19:29

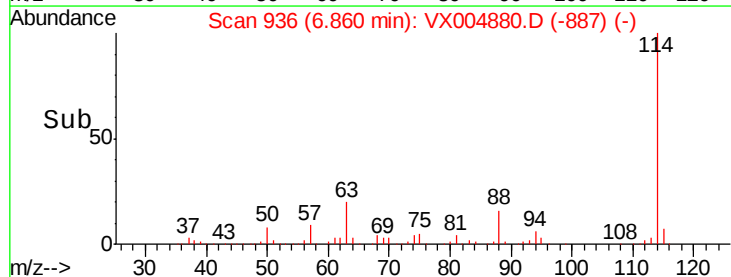
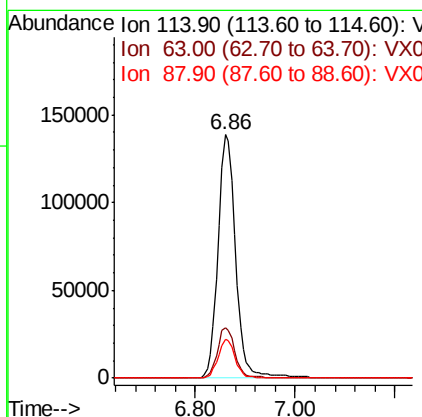
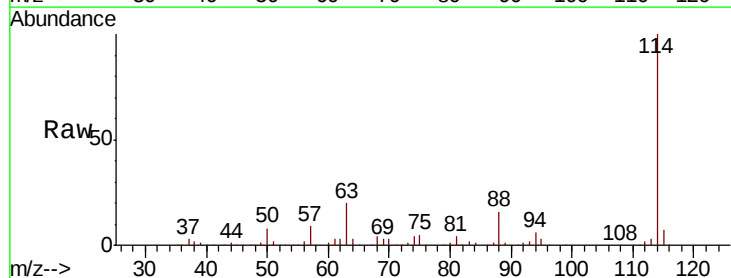
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913

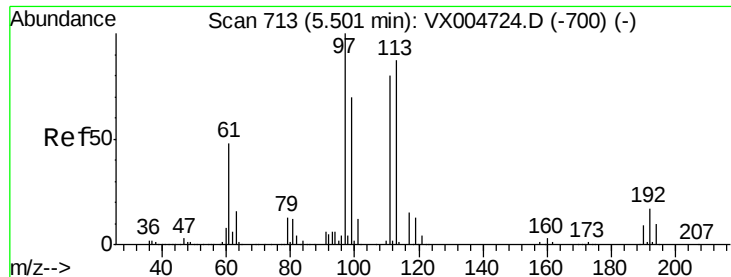
Tot Ion: 65 Resp: 165462
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004880.D
 Acq: 01 Oct 2018 19:29

Tgt Ion: 114 Resp: 340879
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.421 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913

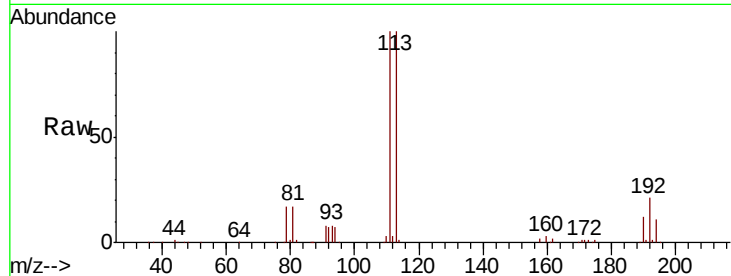
Tot Ion:113 Resp: 139887

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

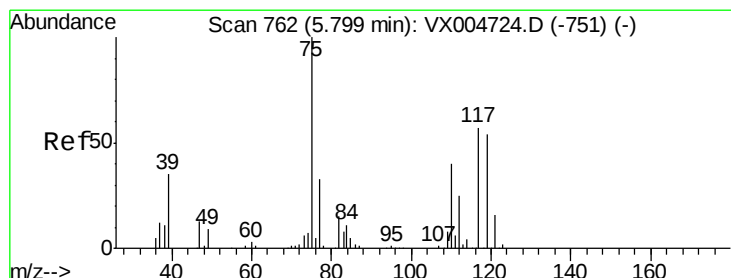
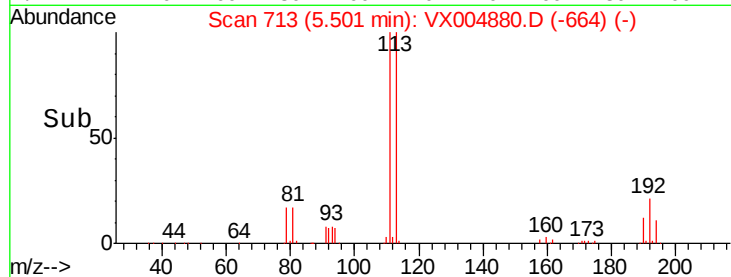
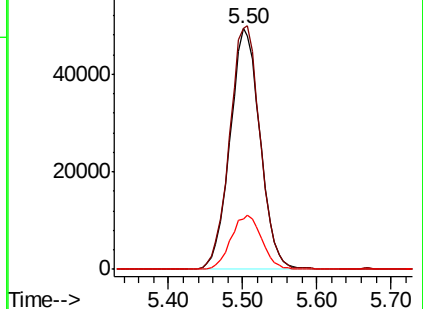
192 22.8 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.772 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

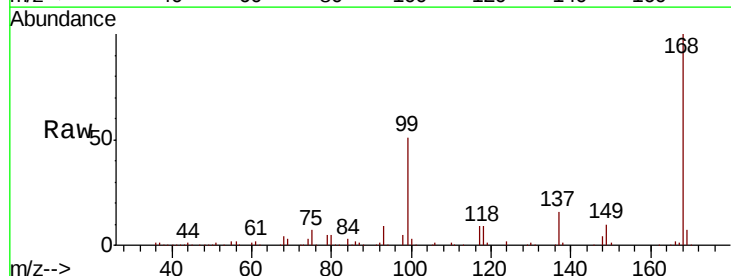
Tgt Ion: 75 Resp: 14866

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

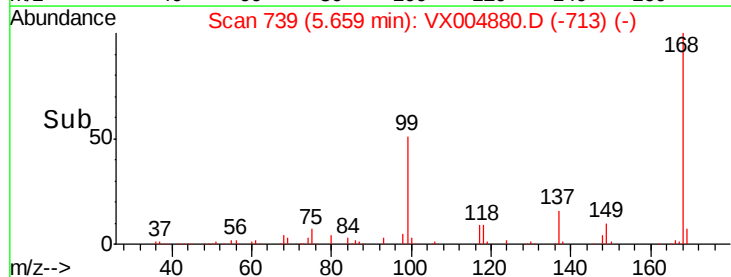
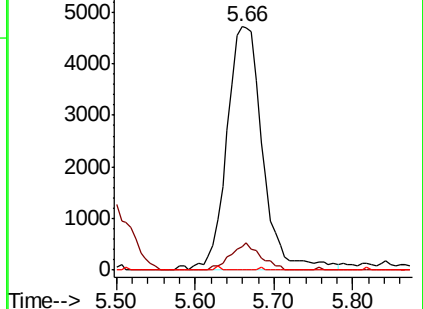
77 0.0 24.6 36.8#

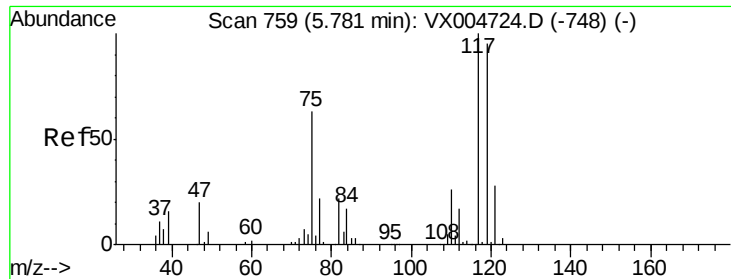


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.486 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913

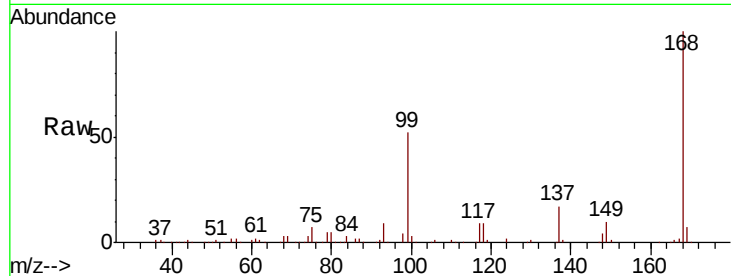
Tot Ion:117 Resp: 18589

Ion Ratio Lower Upper

117 100

119 7.8 78.8 118.2#

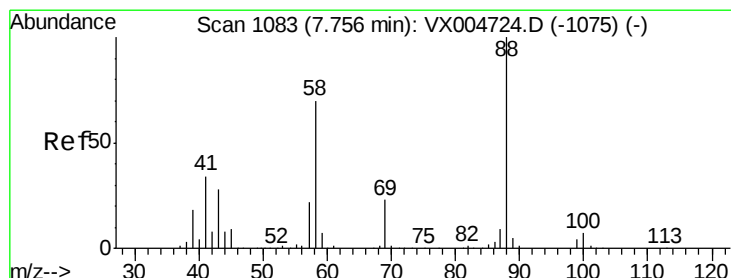
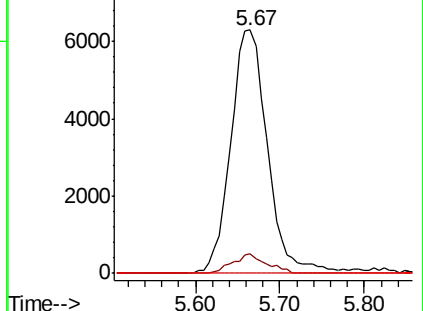
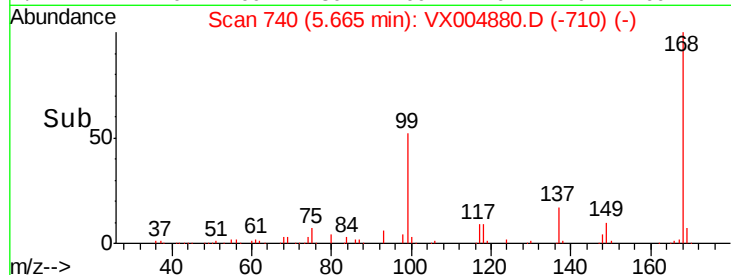
121 0.0 24.9 37.3#



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



#49

1,4-Dioxane

Concen: 0.223 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.14 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

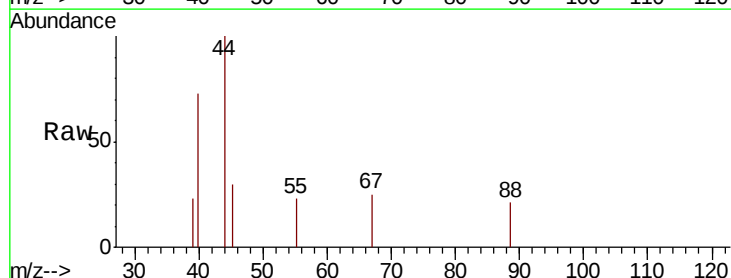
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 24.7 37.1#

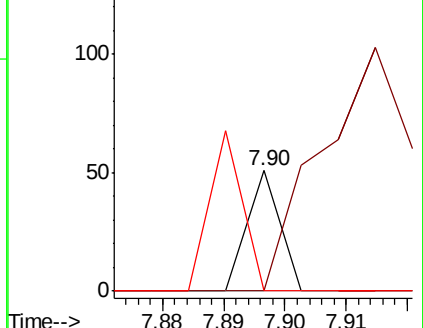
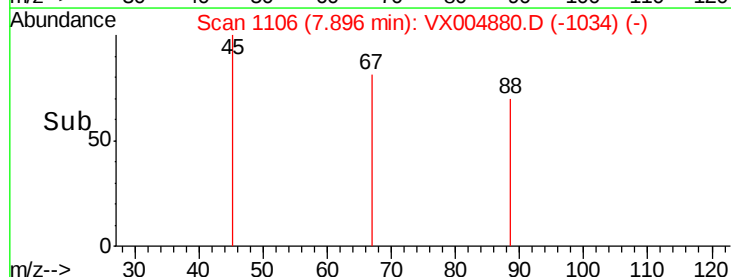
58 131.6 55.3 82.9#

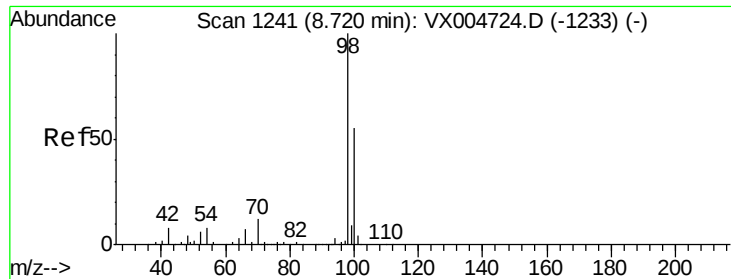


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.679 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

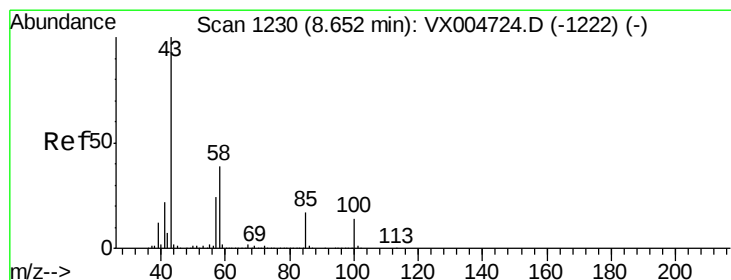
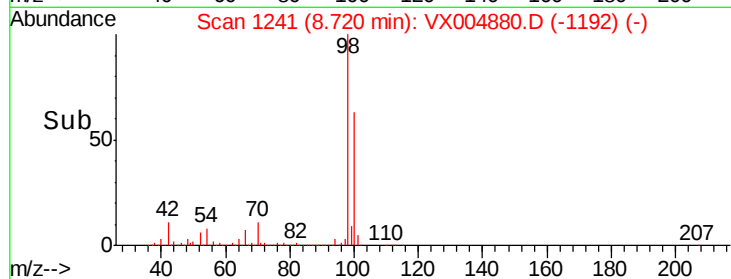
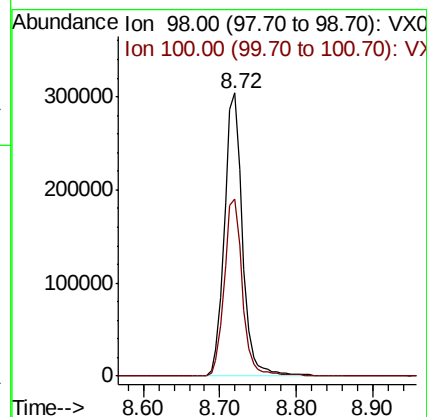
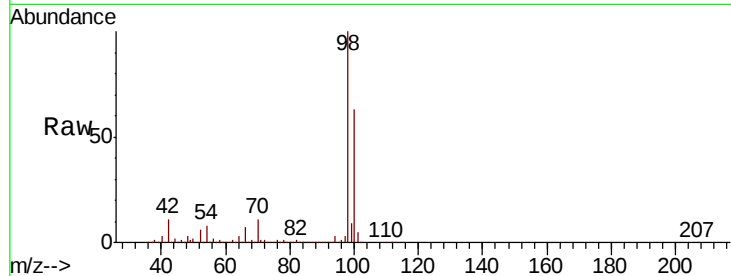
SA-TW502-0913

Tot Ion: 98 Resp: 496344

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.490 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX004880.D

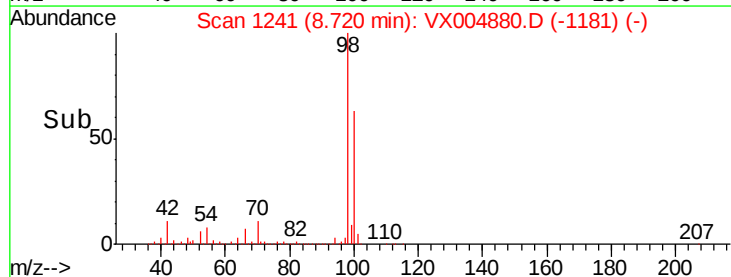
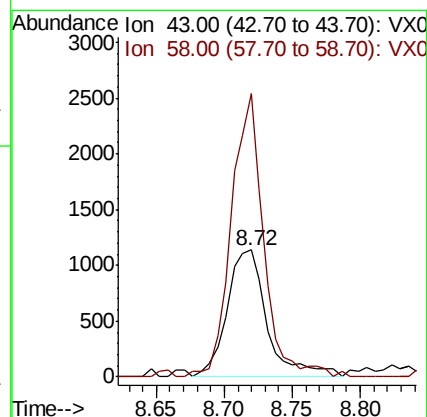
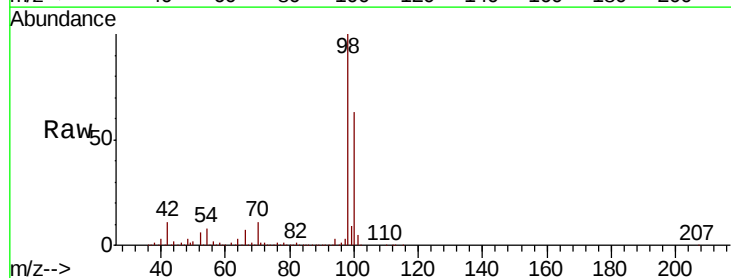
Acq: 01 Oct 2018 19:29

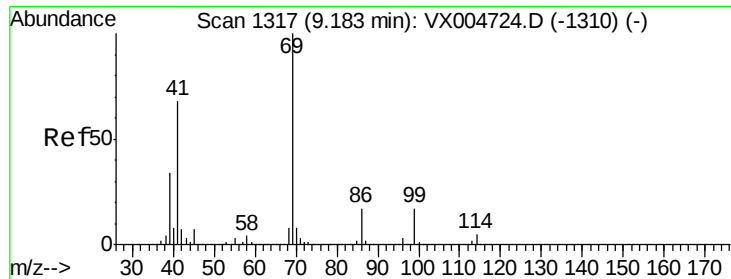
Tgt Ion: 43 Resp: 2331

Ion Ratio Lower Upper

43 100

58 180.7 33.1 49.7#

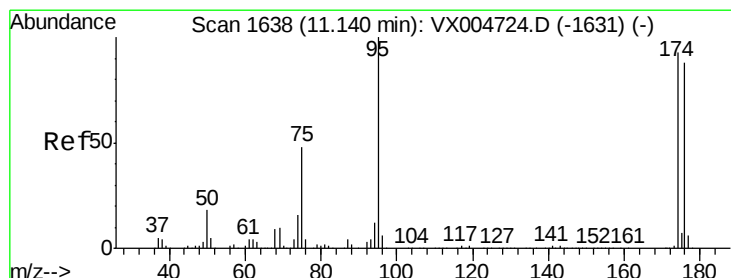
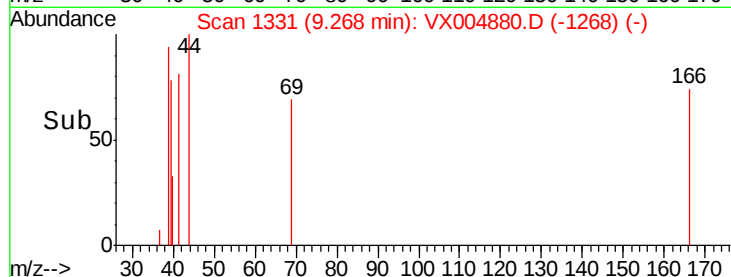
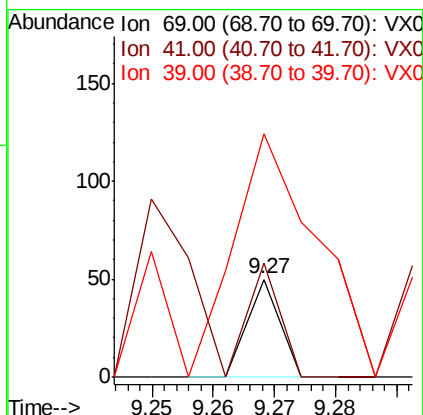
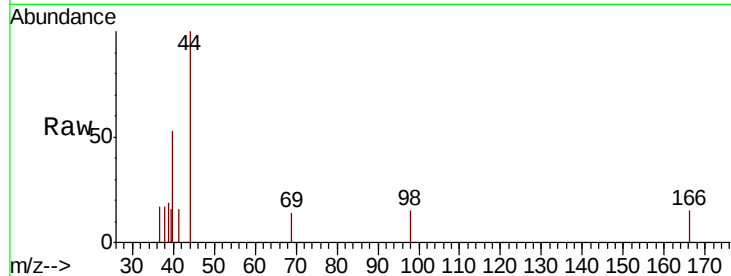




#56
 Ethyl methacrylate
 Concen: 2.866 ug/l
 RT: 9.27 min Scan# 1331
 Delta R.T. 0.09 min
 Lab File: VX004880.D
 Acq: 01 Oct 2018 19:29

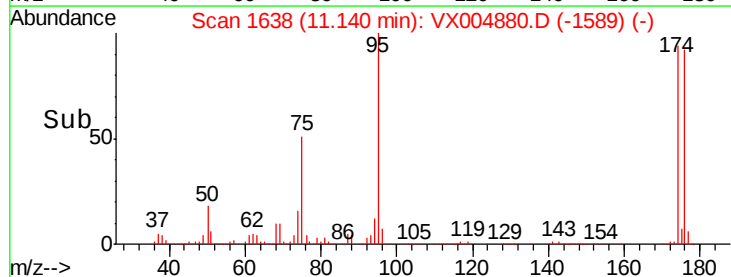
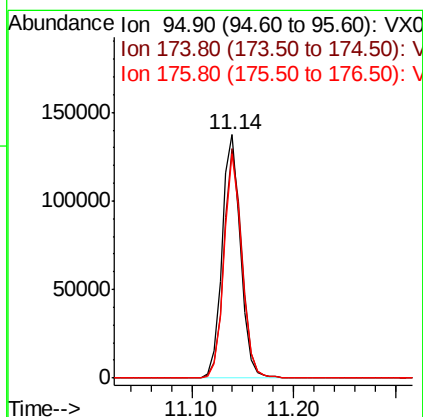
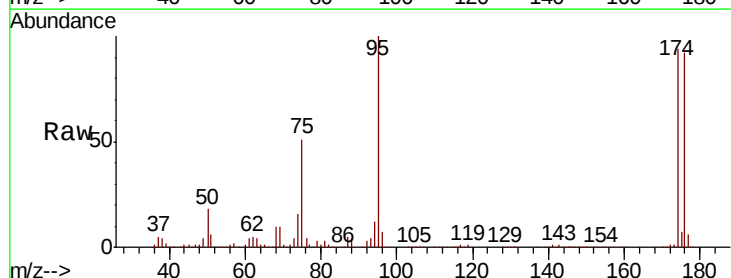
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW502-0913

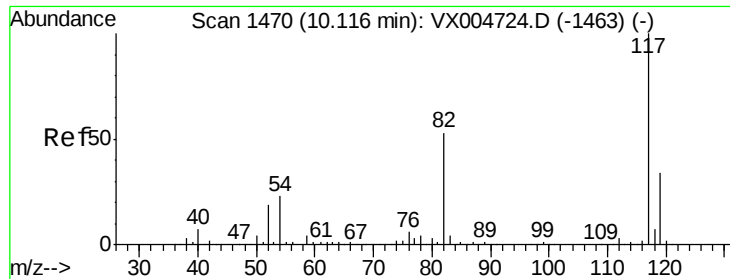
Tot Ion: 69 Resp: 18
 Ion Ratio Lower Upper
 69 100
 41 427.8 51.0 76.4#
 39 877.8 26.1 39.1#



#62
 4-Bromofluorobenzene
 Concen: 50.187 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004880.D
 Acq: 01 Oct 2018 19:29

Tgt Ion: 95 Resp: 173650
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 185.2
 176 88.7 0.0 178.6

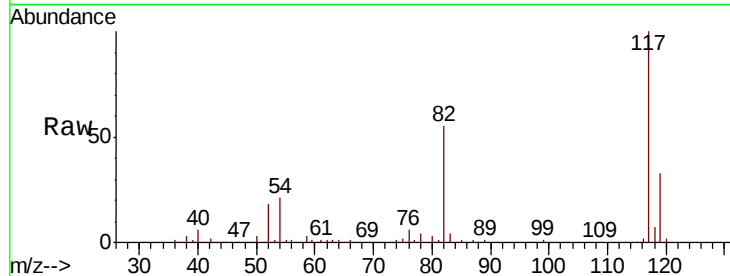




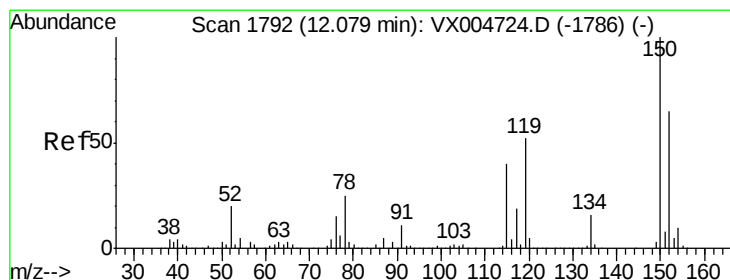
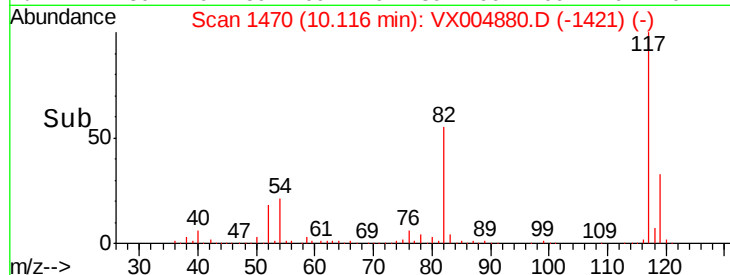
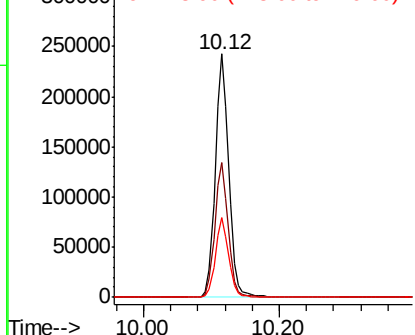
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004880.D
Acq: 01 Oct 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
SA-TW502-0913

Tot Ion:117 Resp: 332711
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 32.6 29.3 43.9

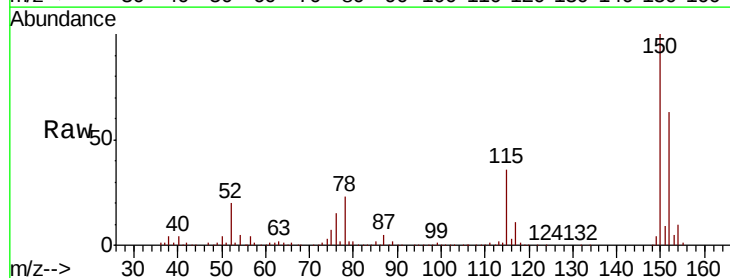


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

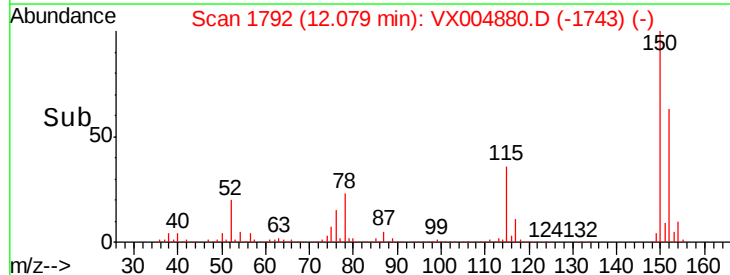
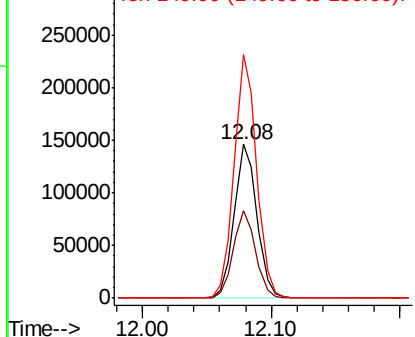


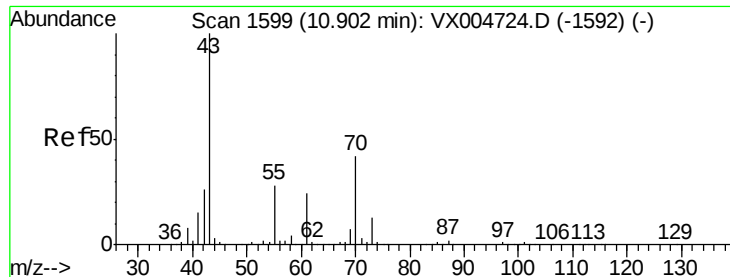
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004880.D
Acq: 01 Oct 2018 19:29

Tgt Ion:152 Resp: 179809
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 156.8 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





#74

N-amvl acetate

Concen: 1.751 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913

Tot Ion: 43 Resp: 21

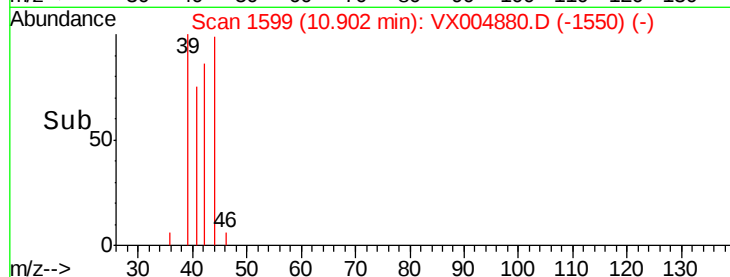
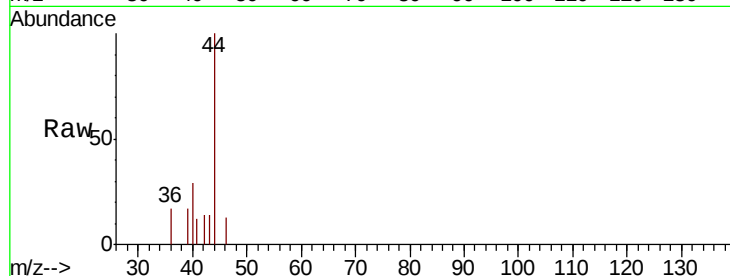
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

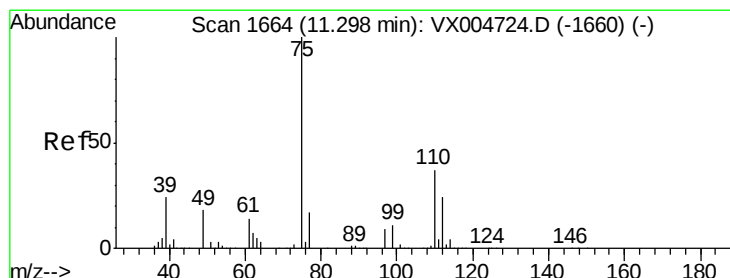
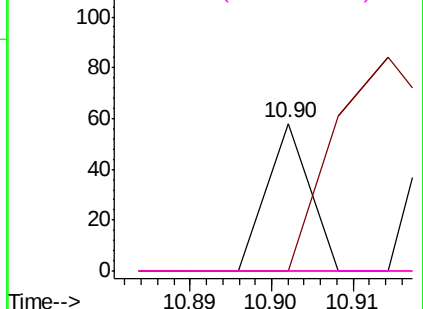


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.561 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004880.D

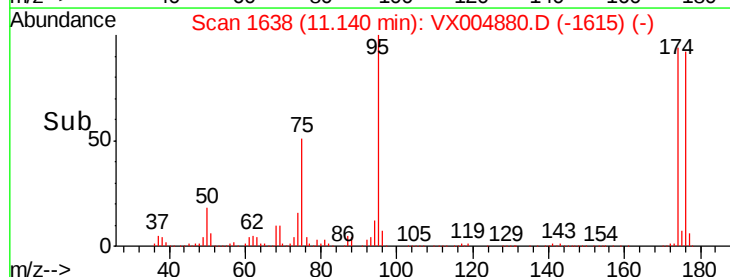
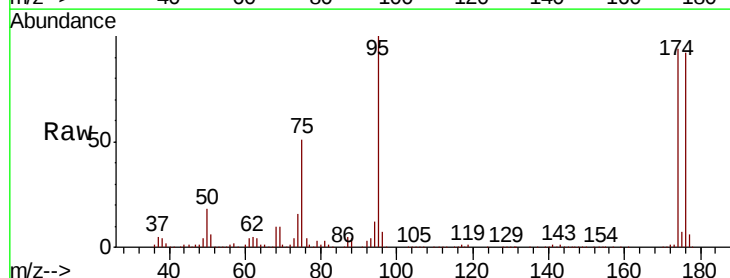
Acq: 01 Oct 2018 19:29

Tgt Ion: 75 Resp: 86895

Ion Ratio Lower Upper

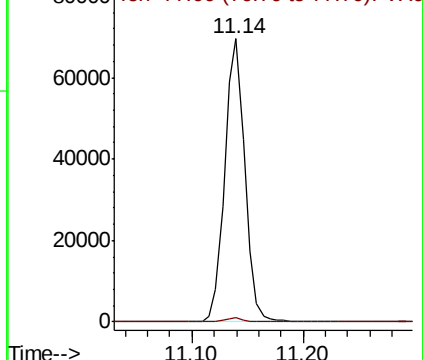
75 100

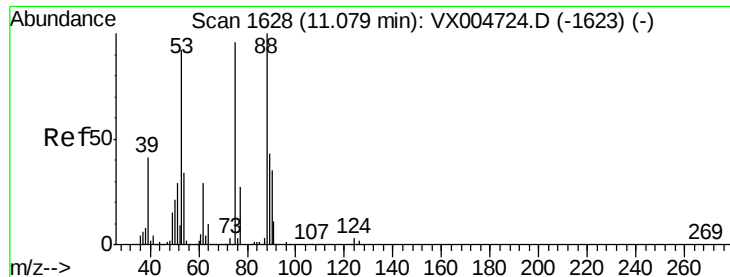
77 1.4 20.2 60.6#



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: 58.455 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW502-0913

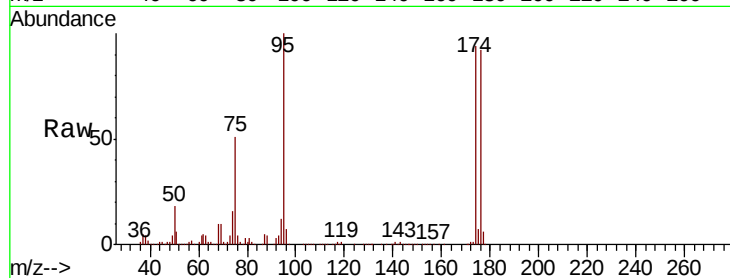
Tot Ion: 75 Resp: 86895

Ion Ratio Lower Upper

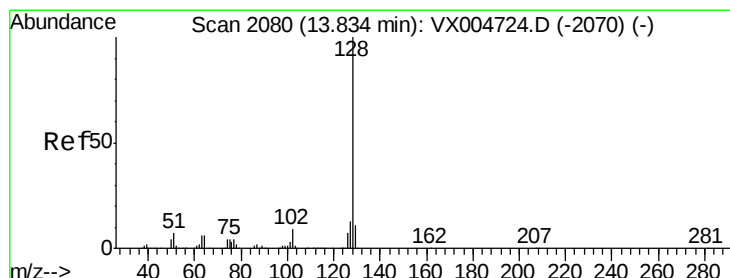
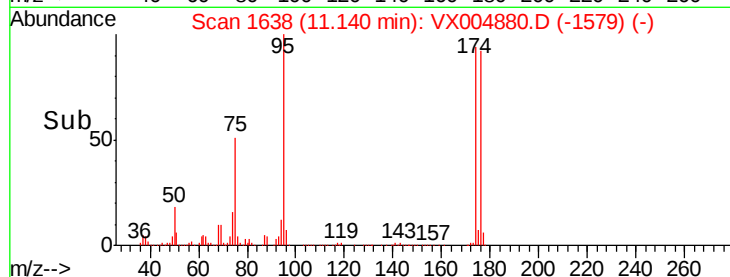
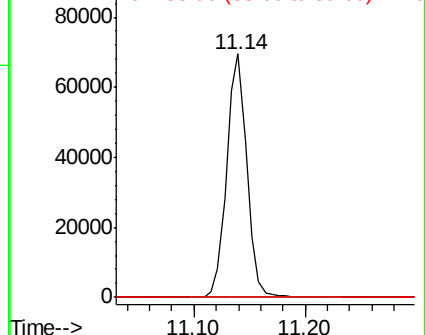
75 100

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



#95

Naphthalene

Concen: 0.734 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004880.D

Acq: 01 Oct 2018 19:29

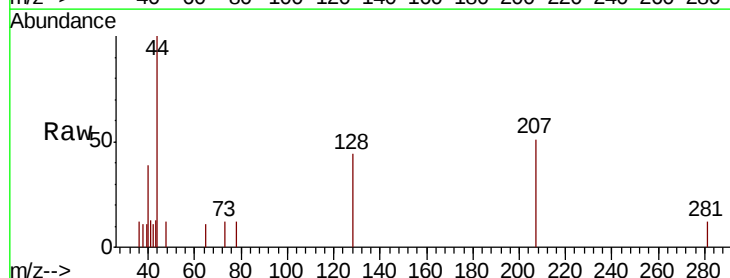
Tgt Ion: 128 Resp: 219

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

