

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004872.D
 Acq On : 01 Oct 2018 15:55
 Operator : JC/MD
 Sample : J5135-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW509-1317

Quant Time: Oct 02 02:40:23 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	5.67	168	209111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163744	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	5.50	113	136833	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	8.72	98	491364	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	169327	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	

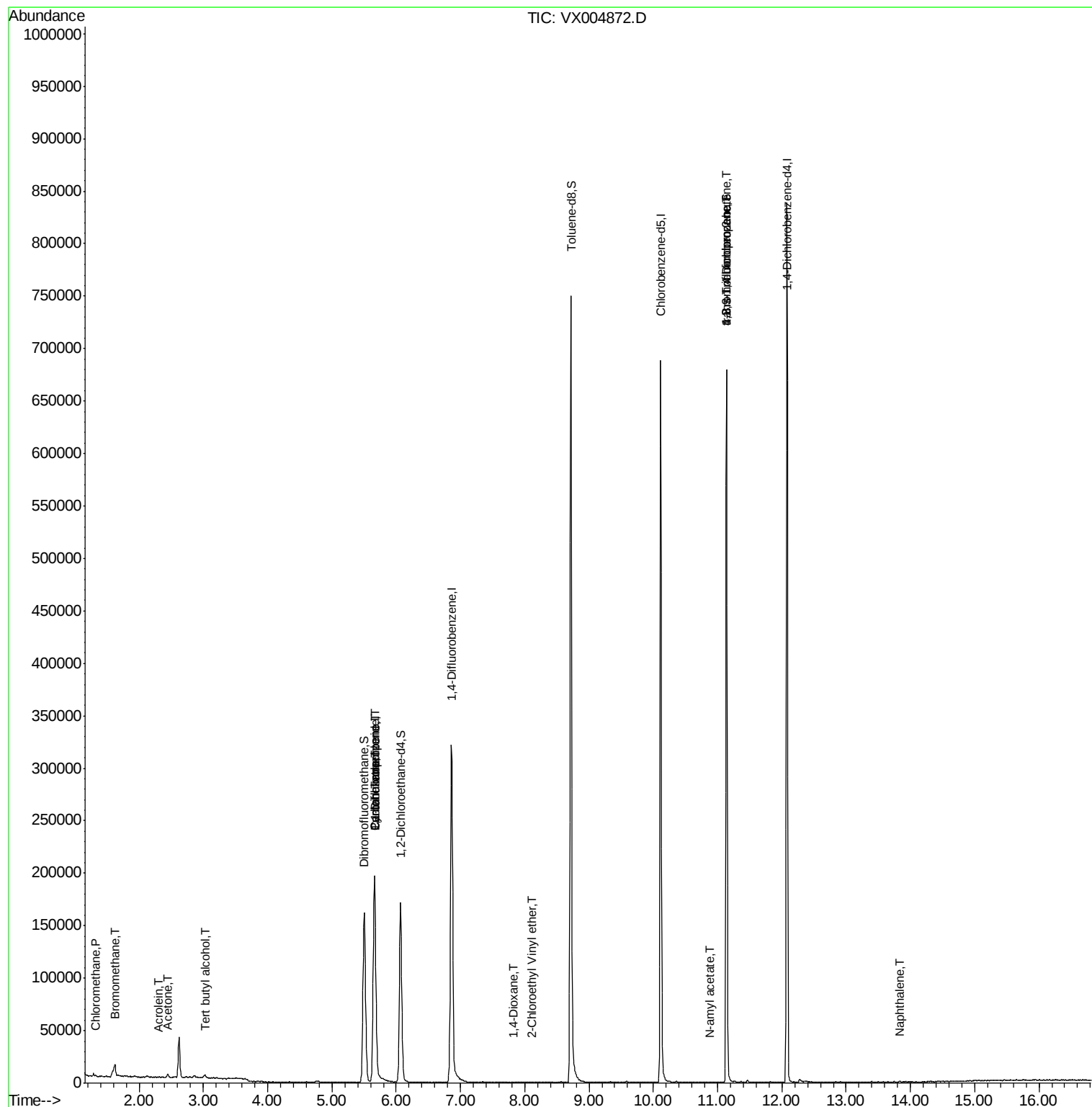
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	727	0.210	ug/l	96
5) Bromomethane	1.63	94	602	0.313	ug/l	98
6) Chloroethane	1.73	64	191	Below Cal	#	87
11) Tert butyl alcohol	3.02	59	2069	2.477	ug/l #	81
13) Acrolein	2.29	56	149	0.251	ug/l #	31
16) Acetone	2.45	43	3328	1.908	ug/l	94
20) Methylene Chloride	2.85	84	801	Below Cal	#	94
31) Cyclohexane	5.66	56	4122	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14318	3.658	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18501	4.497	ug/l #	15
49) 1,4-Dioxane	7.82	88	21	0.248	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.10	63	19	14.249	ug/l #	45
74) N-amyl acetate	10.88	43	94	1.763	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	83404	21.161	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	153	Below Cal	#	27
81) trans-1,4-Dichloro-2-buten	11.14	75	83404	57.409	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	270	Below Cal	#	64
95) Naphthalene	13.83	128	450	0.750	ug/l #	75

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

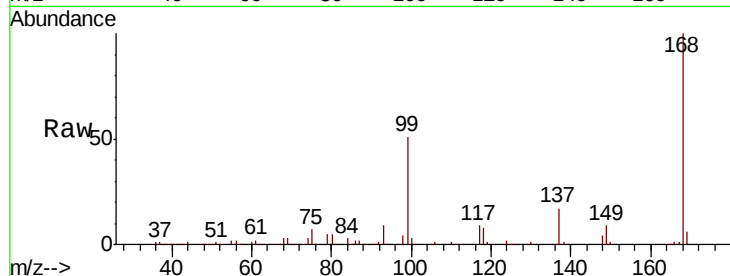
SA-TW509-1317

Tot Ion:168 Resp: 209111

Ion Ratio Lower Upper

168 100

99 50.7 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

80000

60000

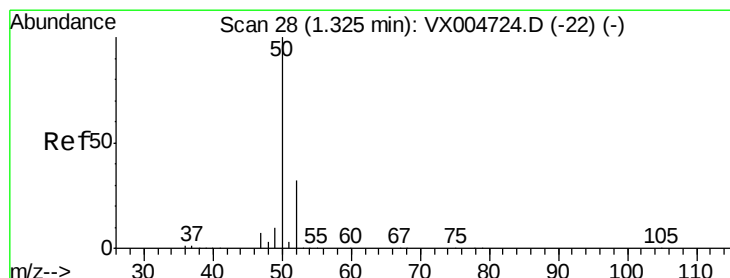
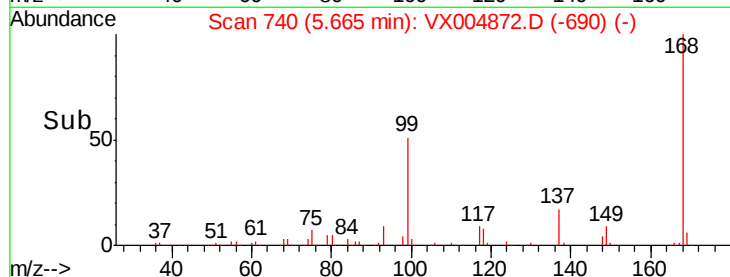
40000

20000

0

5.60 5.80 6.00

Time-->



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004872.D

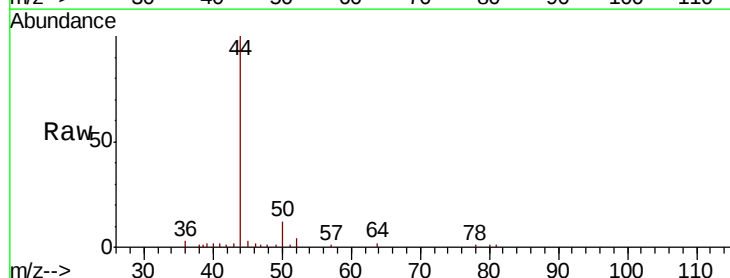
Acq: 01 Oct 2018 15:55

Tgt Ion: 50 Resp: 727

Ion Ratio Lower Upper

50 100

52 30.3 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

600

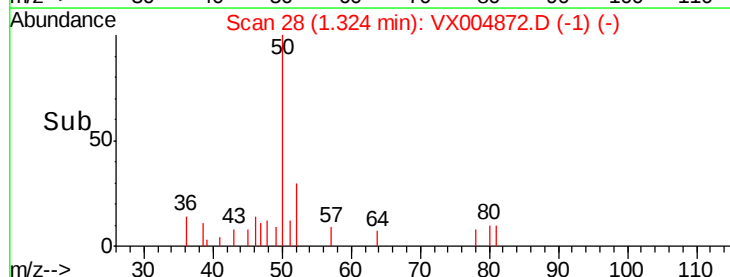
400

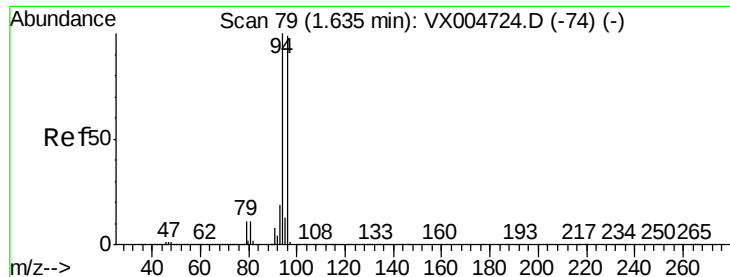
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

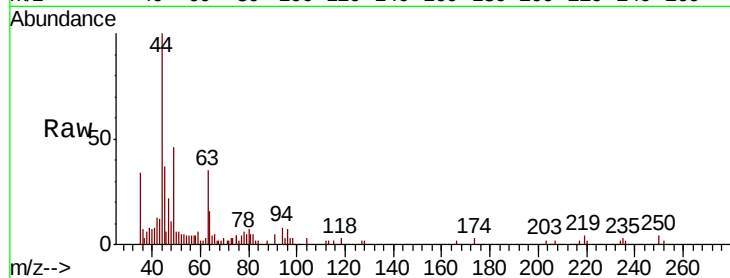
SA-TW509-1317

Tot Ion: 94 Resp: 602

Ion Ratio Lower Upper

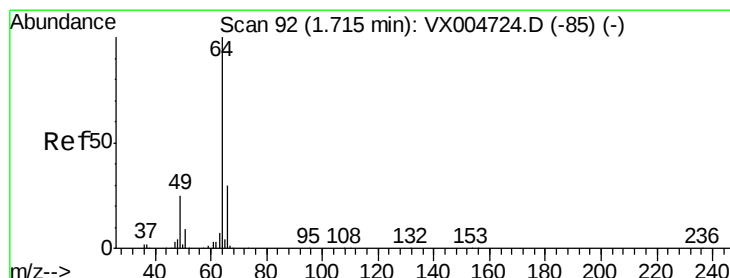
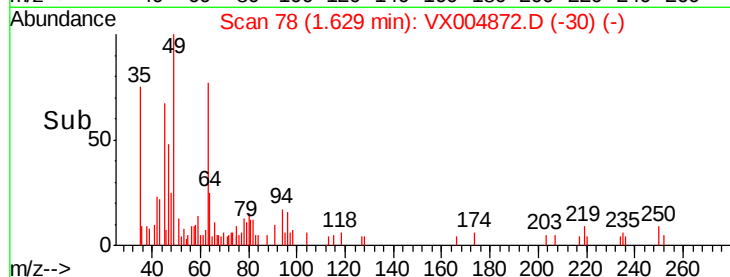
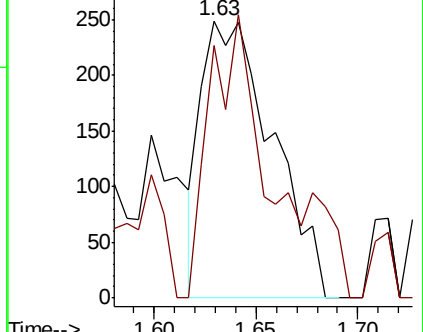
94 100

96 91.2 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: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004872.D

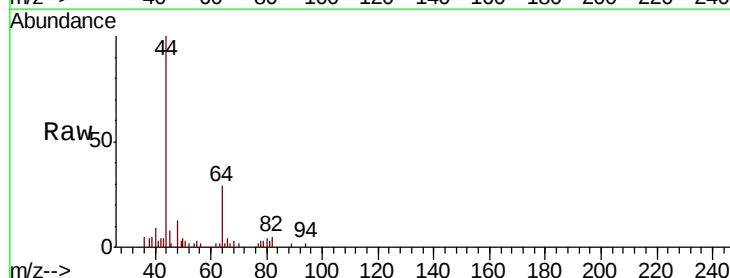
Acq: 01 Oct 2018 15:55

Tgt Ion: 64 Resp: 191

Ion Ratio Lower Upper

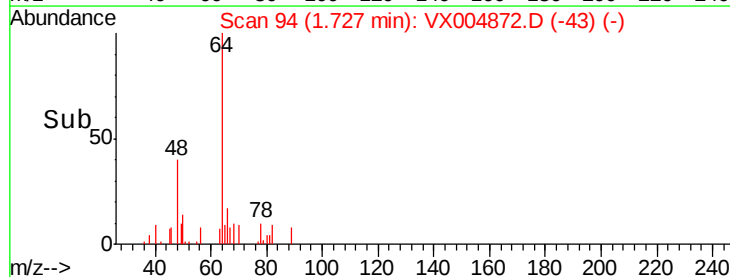
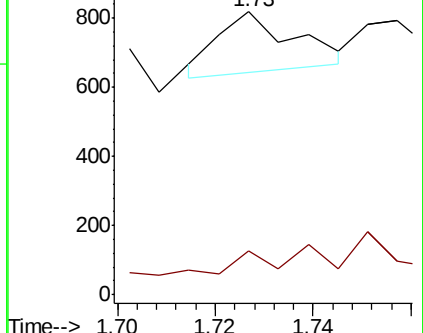
64 100

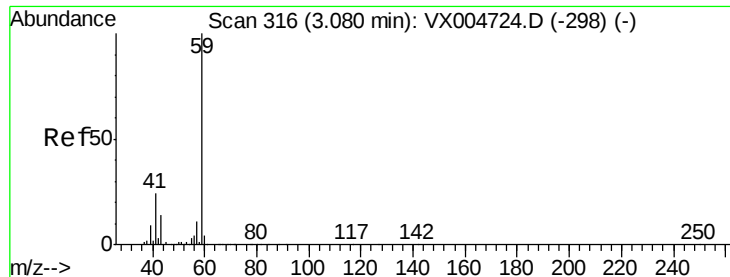
66 37.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



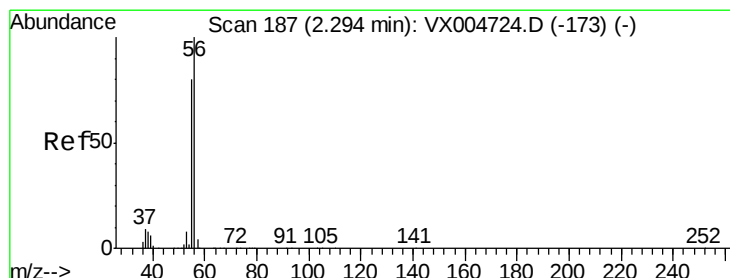
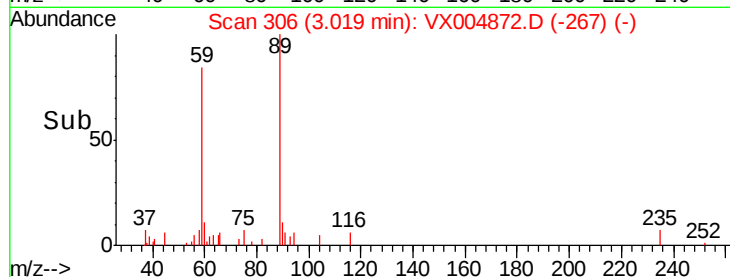
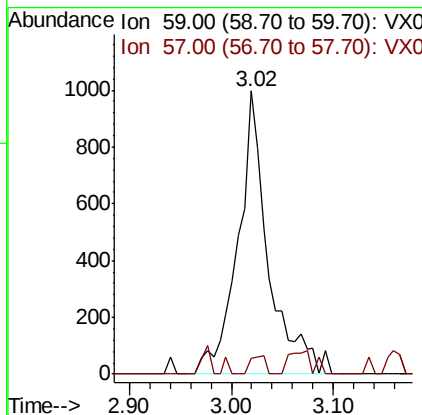
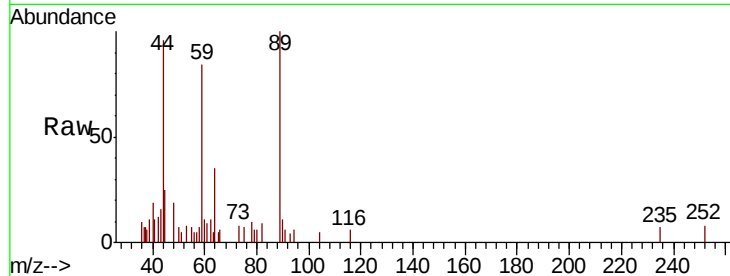


#11

Tert butyl alcohol
 Concen: 2.477 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW509-1317

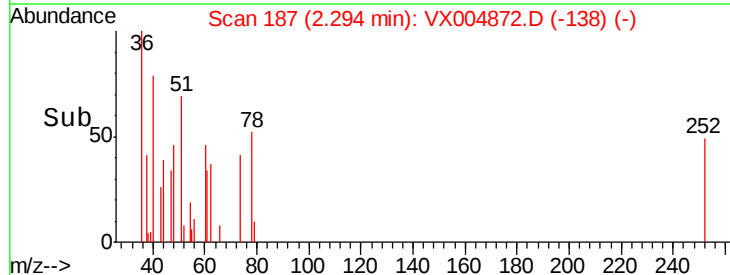
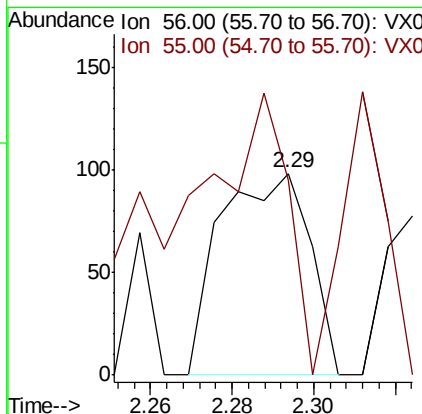
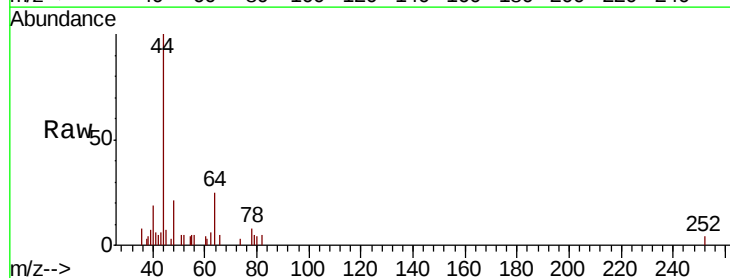
Tot Ion: 59 Resp: 2069
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.4#

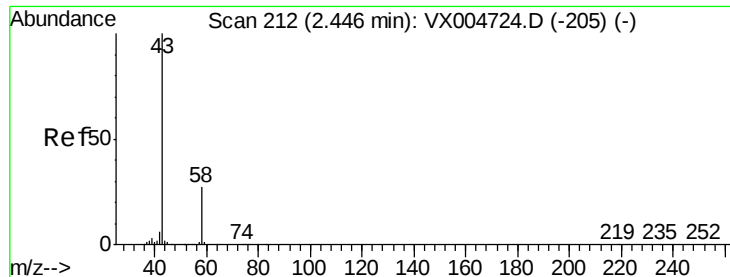


#13

Acrolein
 Concen: 0.251 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 124.2 54.7 82.1#





#16

Acetone

Concen: 1.908 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

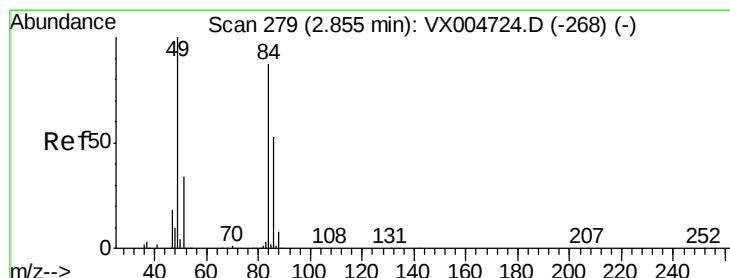
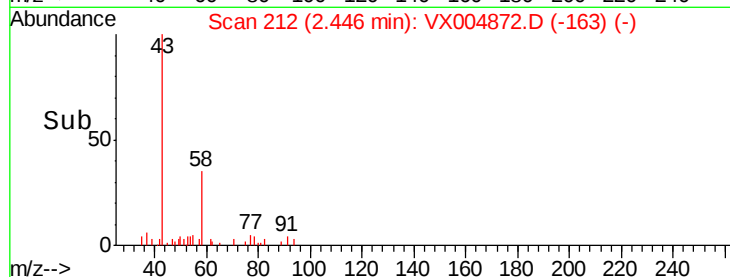
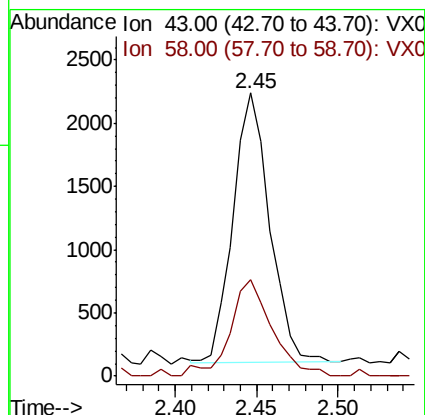
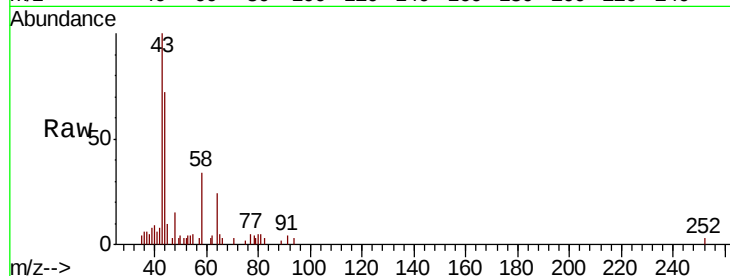
SA-TW509-1317

Tot Ion: 43 Resp: 3328

Ion Ratio Lower Upper

43 100

58 36.1 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Tgt Ion: 84 Resp: 801

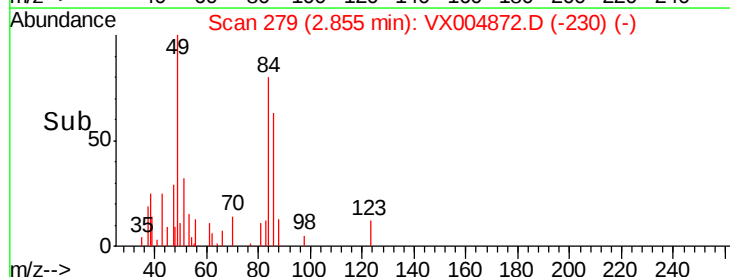
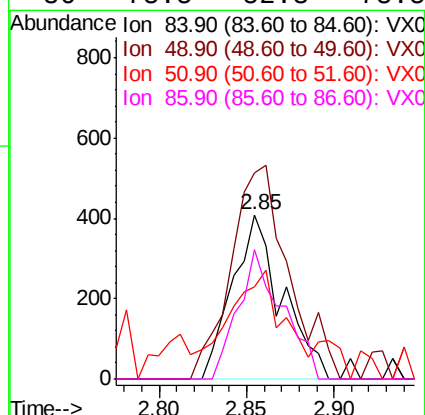
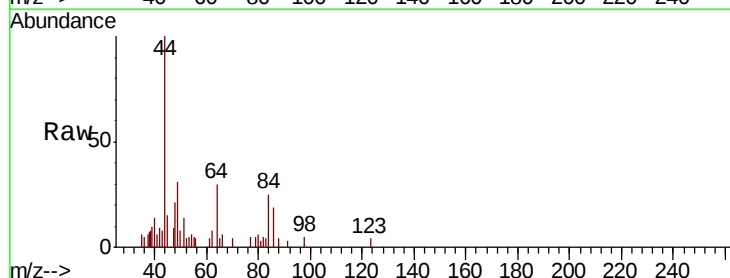
Ion Ratio Lower Upper

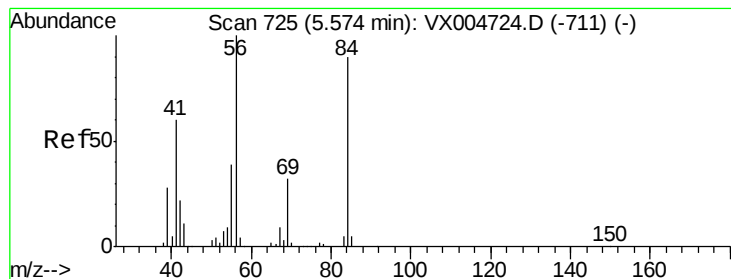
84 100

49 125.4 101.2 151.8

51 41.3 29.5 44.3

86 78.5 52.3 78.5#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW509-1317

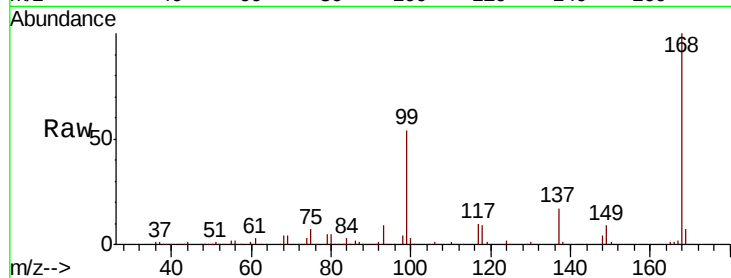
Tot Ion: 56 Resp: 4122

Ion Ratio Lower Upper

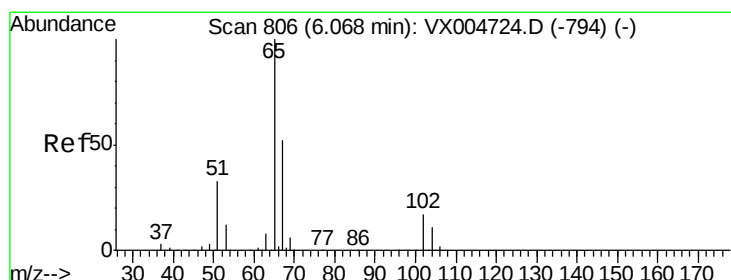
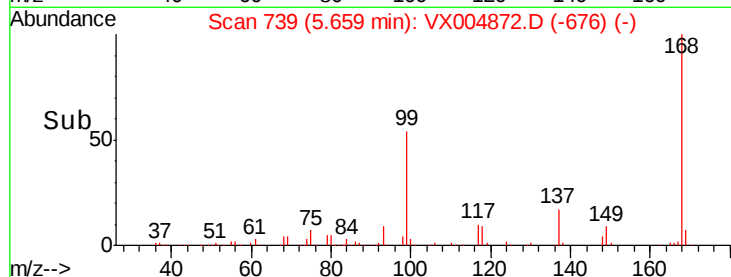
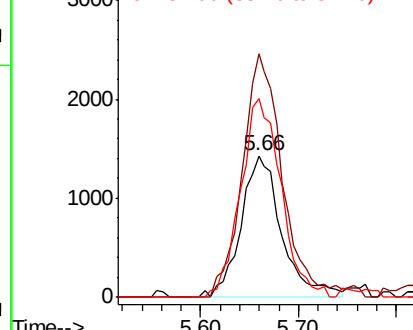
56 100

69 172.4 25.4 38.2#

84 140.5 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: 54.816 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004872.D

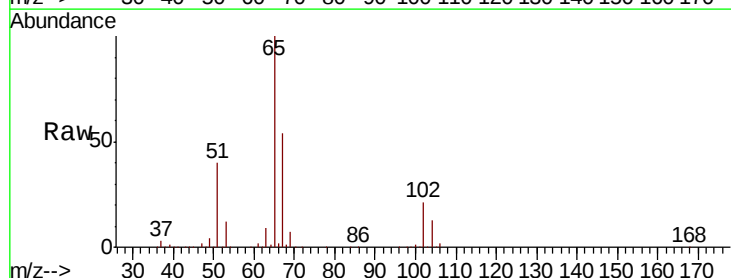
Acq: 01 Oct 2018 15:55

Tgt Ion: 65 Resp: 163744

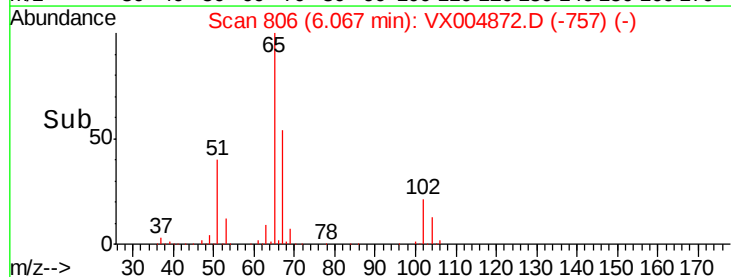
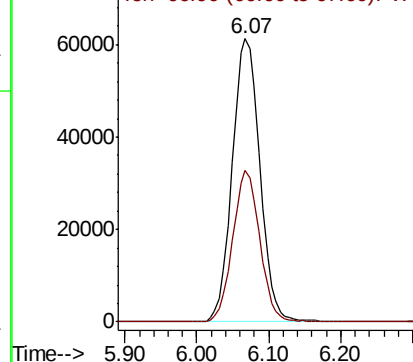
Ion Ratio Lower Upper

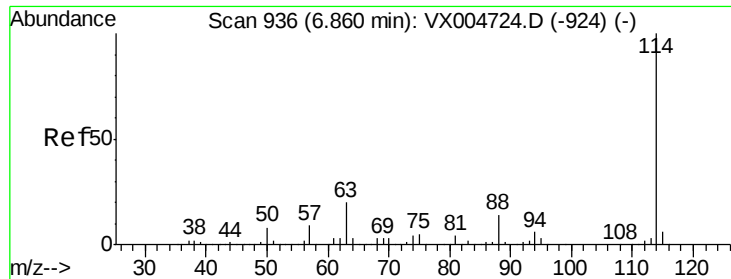
65 100

67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

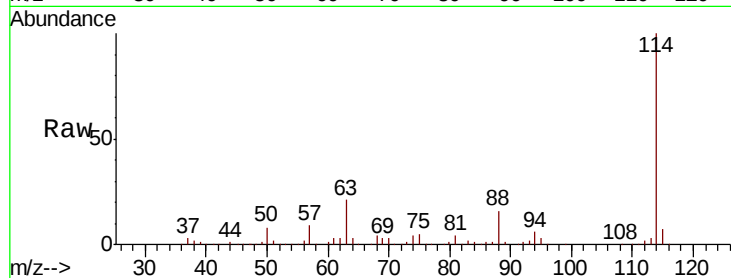




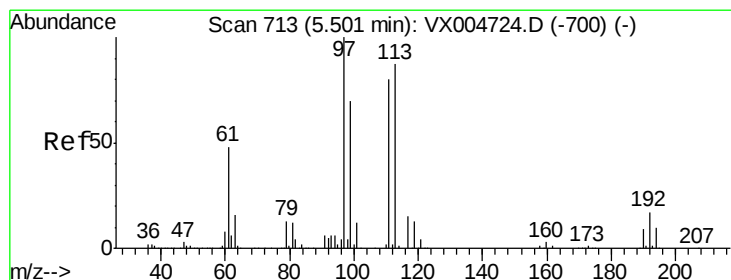
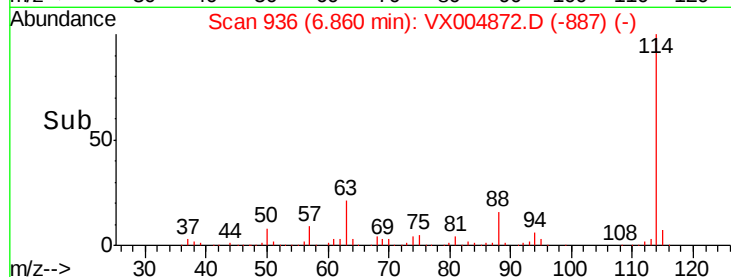
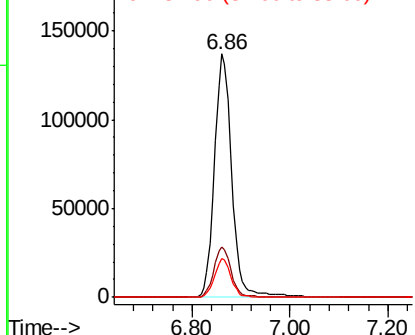
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW509-1317

Tot Ion:114 Resp: 338472
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 15.9 0.0 30.4

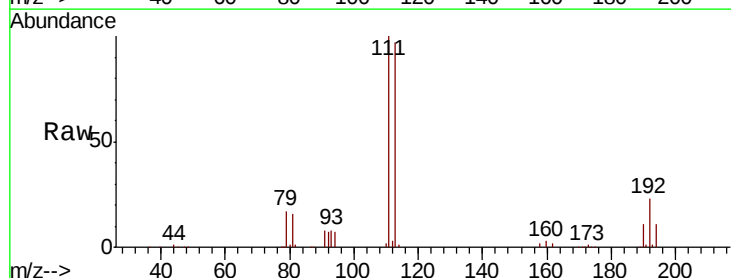


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

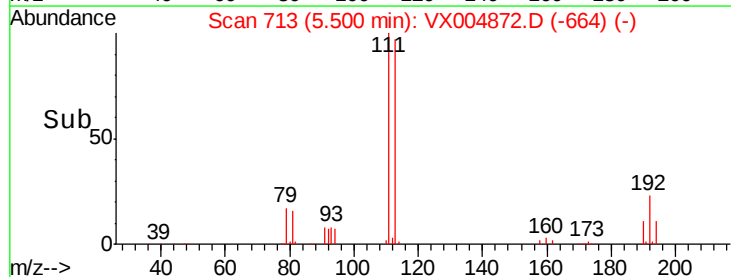
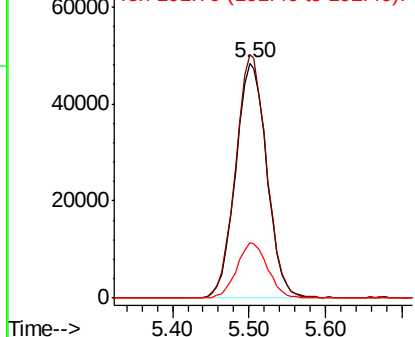


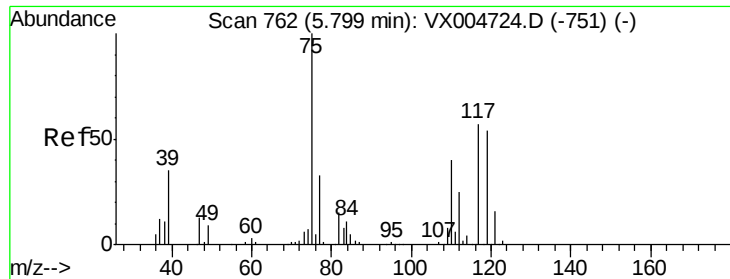
#35
 Dibromofluoromethane
 Concen: 47.700 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

Tgt Ion:113 Resp: 136833
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 23.2 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: 3.658 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW509-1317

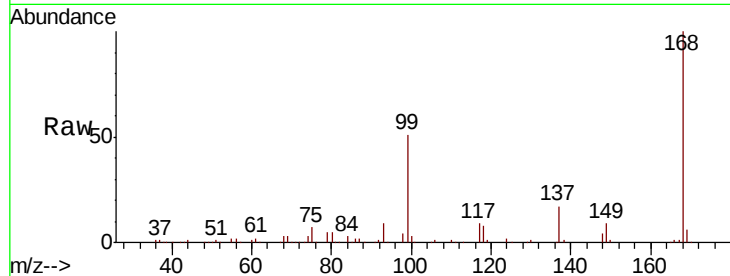
Tot Ion: 75 Resp: 14318

Ion Ratio Lower Upper

75 100

110 9.9 18.0 54.0#

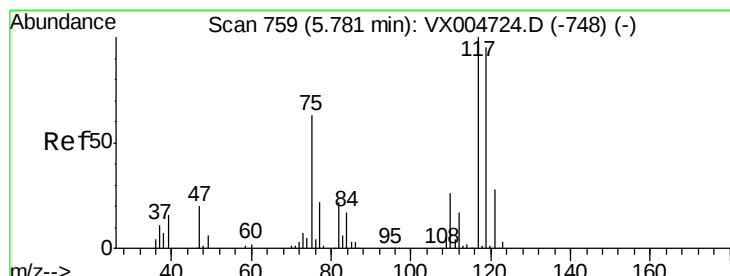
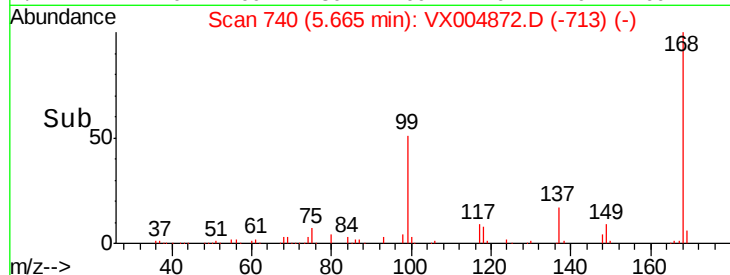
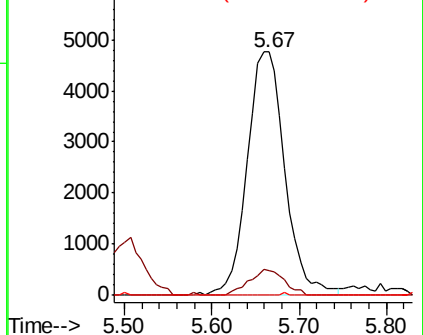
77 0.0 24.6 36.8#



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: 4.497 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

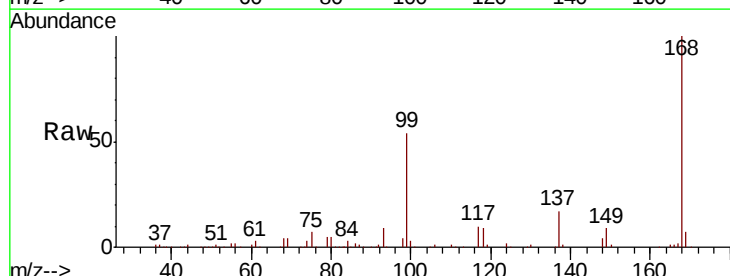
Tgt Ion: 117 Resp: 18501

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

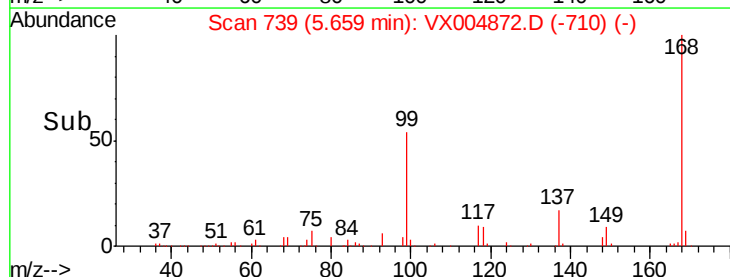
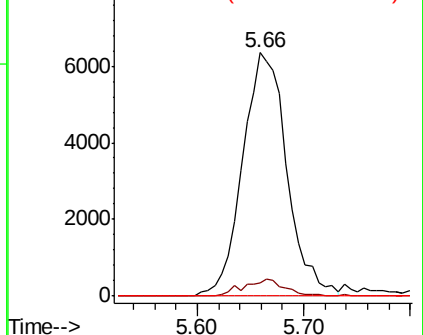
121 0.0 24.9 37.3#

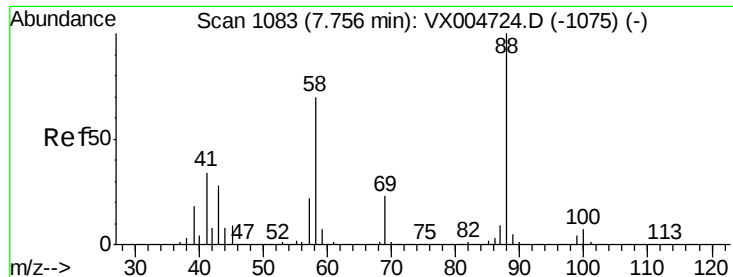


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.248 ug/l

RT: 7.82 min Scan# 1094

Delta R.T. 0.07 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampled :

SA-TW509-1317

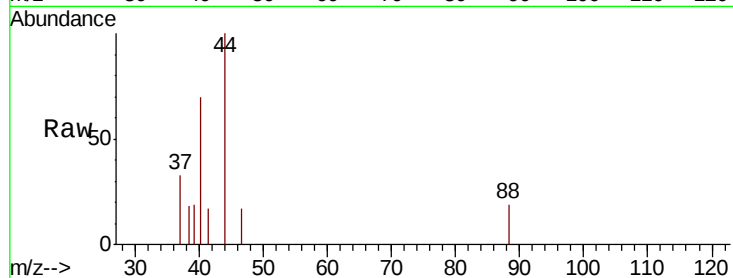
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 261.9 24.7 37.1#

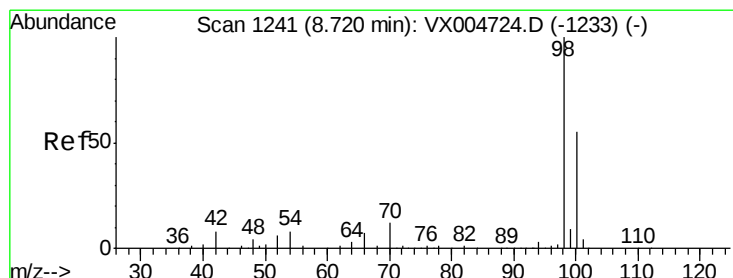
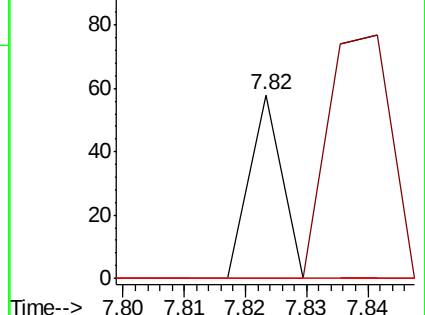
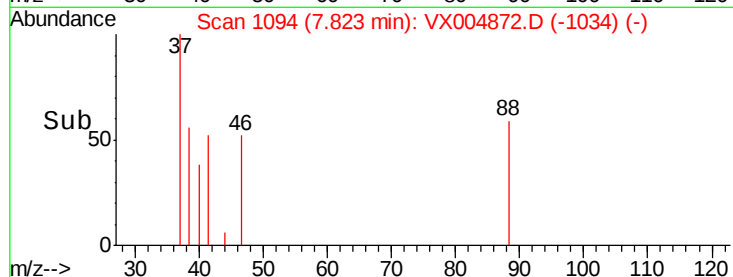
58 0.0 55.3 82.9#



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: 51.524 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004872.D

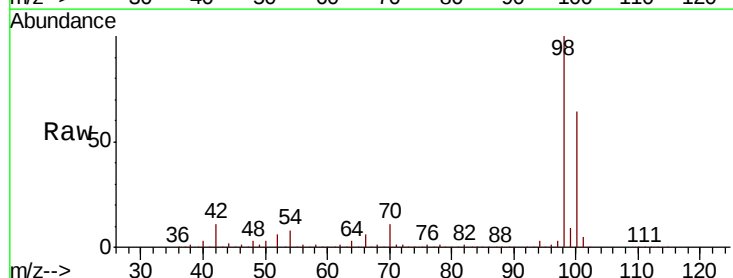
Acq: 01 Oct 2018 15:55

Tgt Ion: 98 Resp: 491364

Ion Ratio Lower Upper

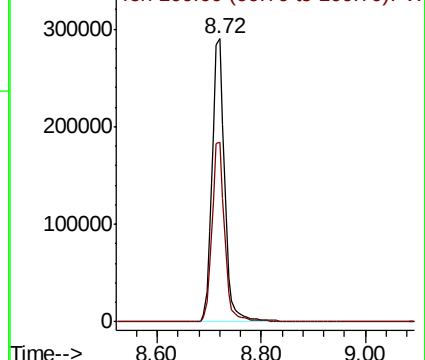
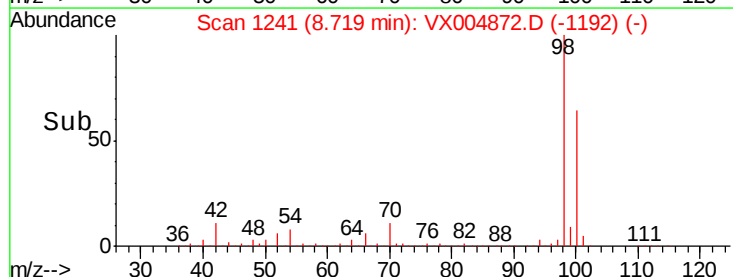
98 100

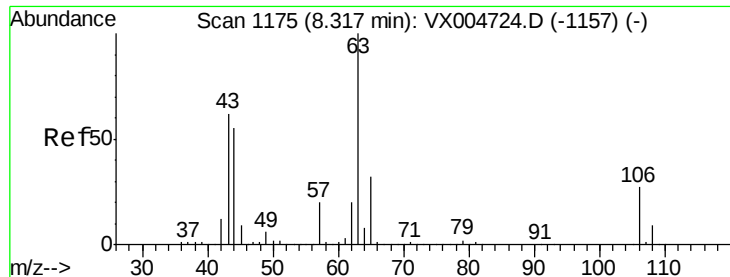
100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

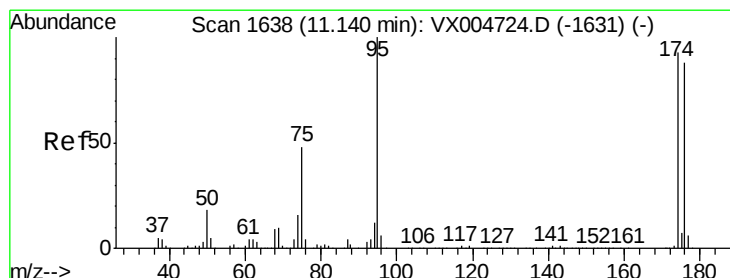
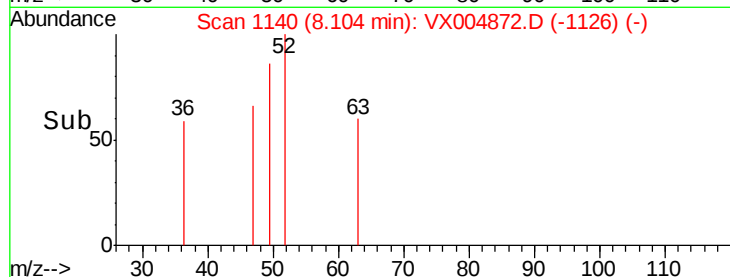
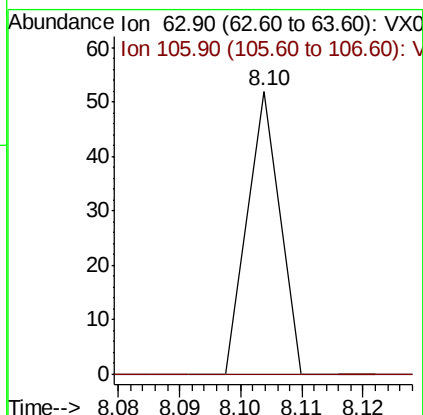
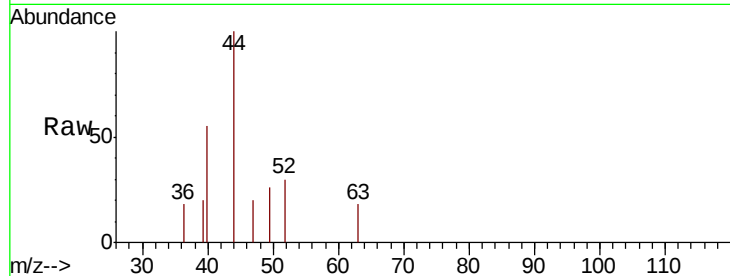




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.10 min Scan# 1140
 Delta R.T. -0.21 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

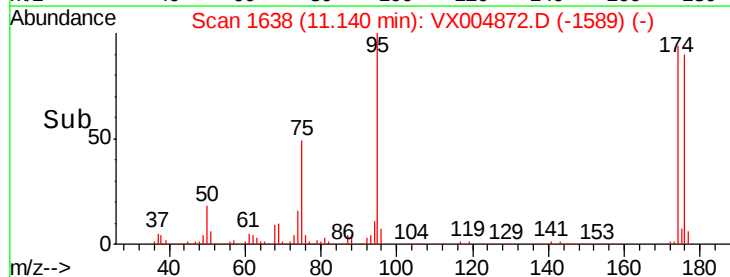
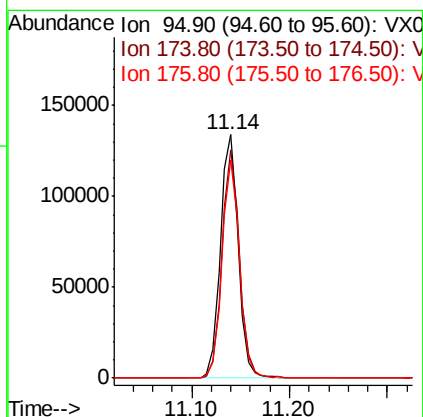
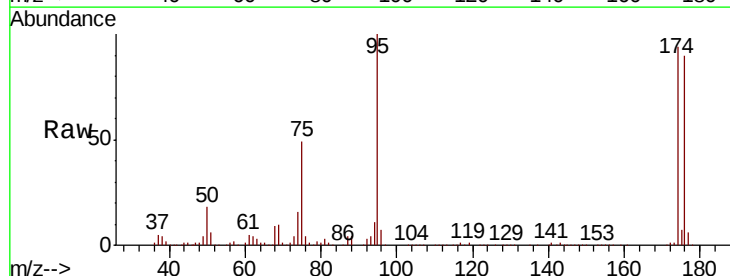
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW509-1317

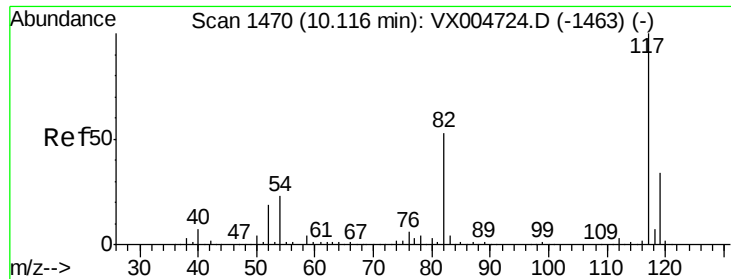
Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 49.286 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004872.D
 Acq: 01 Oct 2018 15:55

Tgt Ion: 95 Resp: 169327
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 185.2
 176 88.0 0.0 178.6

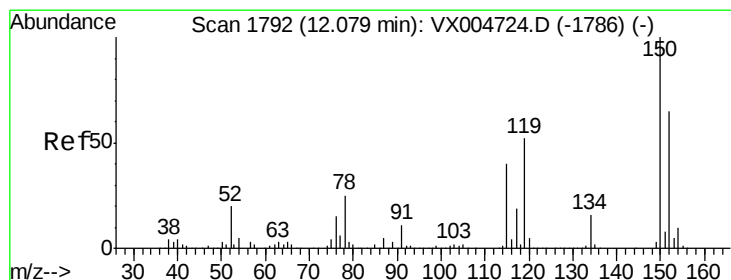
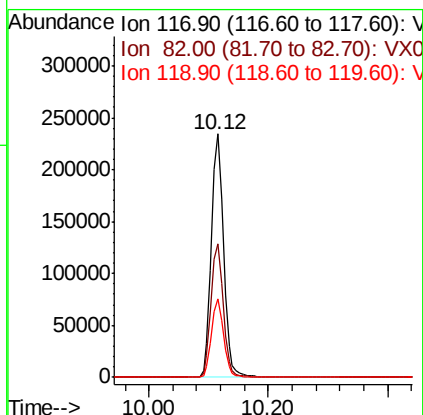
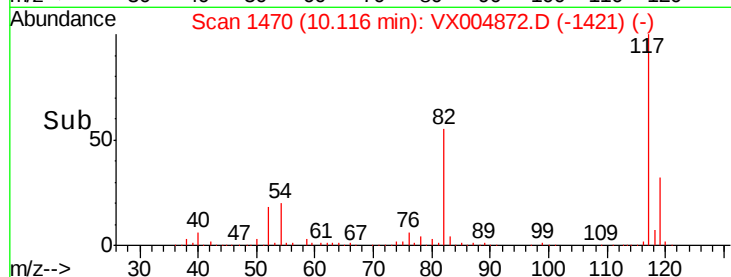
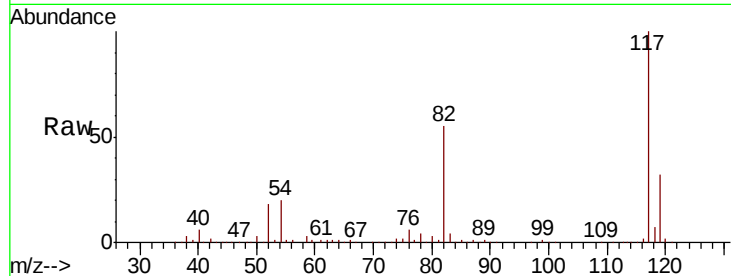




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004872.D
Acq: 01 Oct 2018 15:55

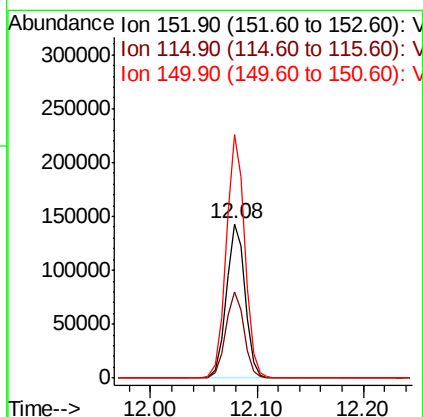
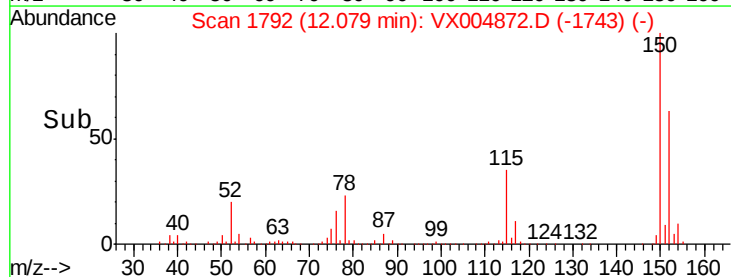
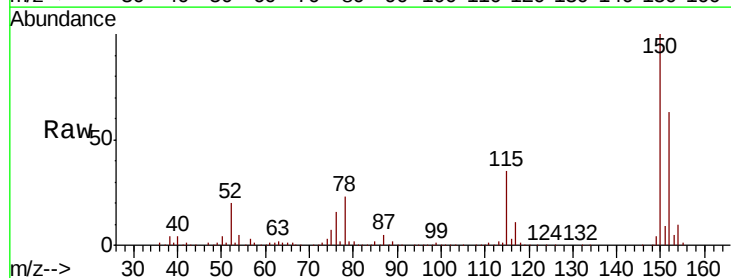
Instrument :
MSVOA_X
ClientSampleId :
SA-TW509-1317

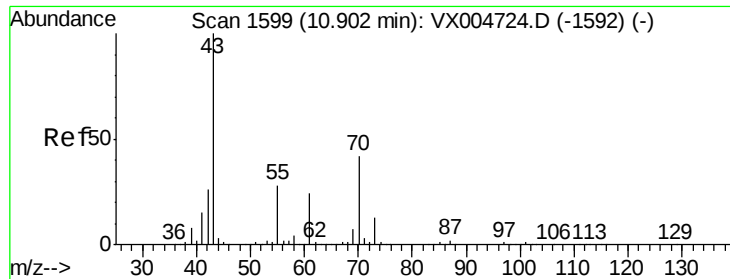
Tot Ion:117 Resp: 326942
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 32.3 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004872.D
Acq: 01 Oct 2018 15:55

Tgt Ion:152 Resp: 175845
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 156.2 0.0 351.0





#74

N-amvl acetate

Concen: 1.763 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.02 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW509-1317

Tot Ion: 43 Resp: 94

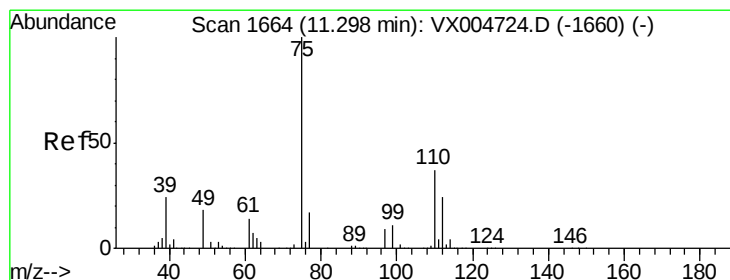
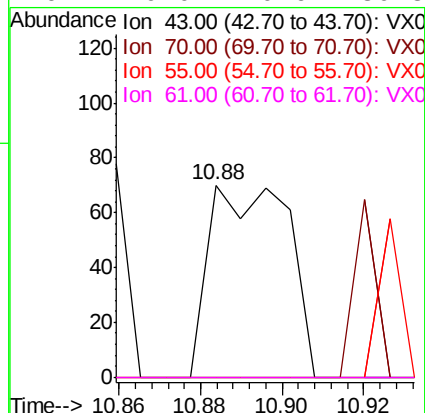
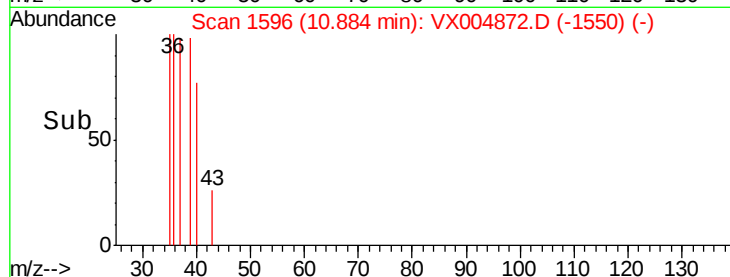
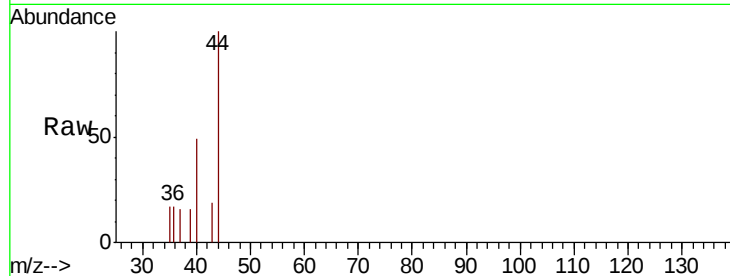
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#



#76

1,2,3-Trichloropropane

Concen: 21.161 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004872.D

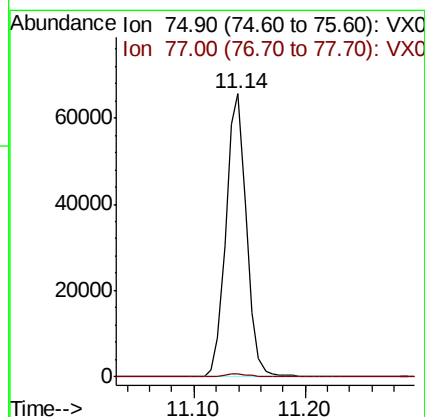
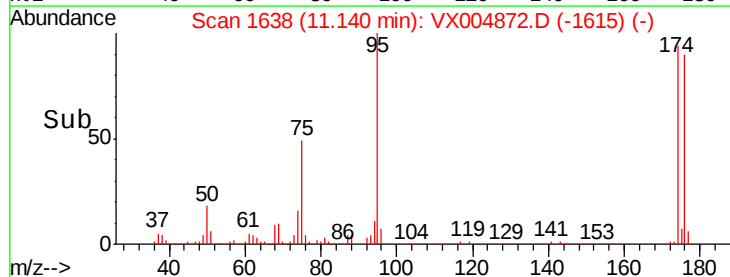
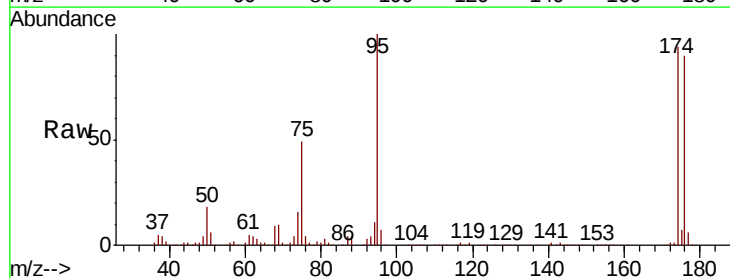
Acq: 01 Oct 2018 15:55

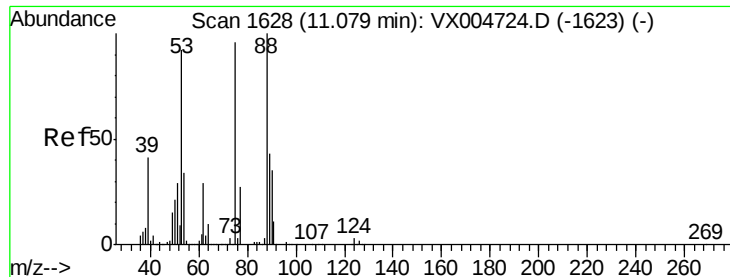
Tgt Ion: 75 Resp: 83404

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.409 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW509-1317

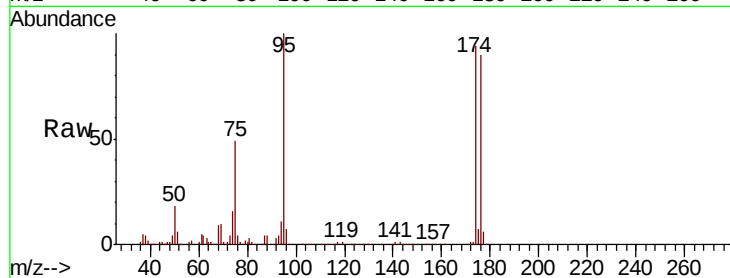
Tot Ion: 75 Resp: 83404

Ion Ratio Lower Upper

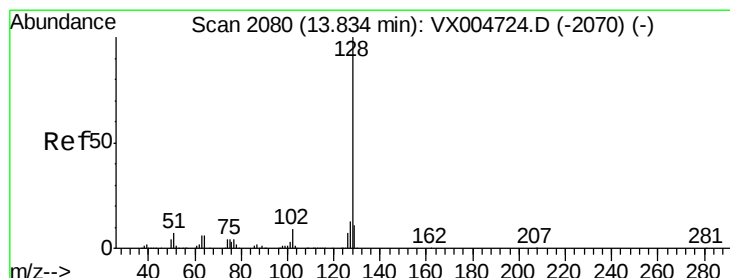
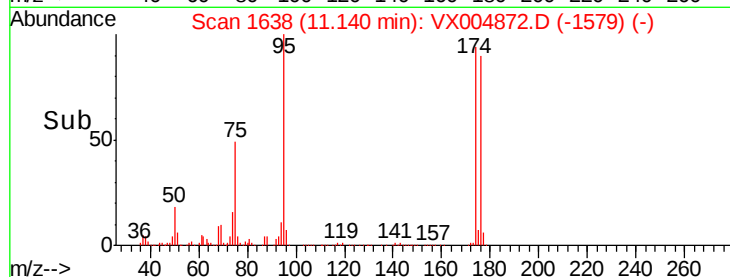
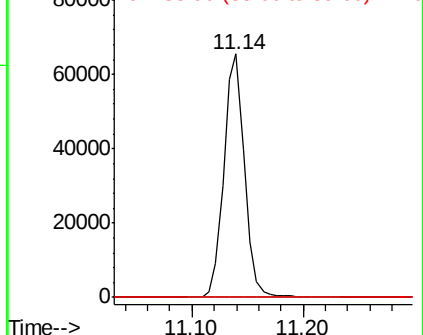
75 100

53 0.3 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: 0.750 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004872.D

Acq: 01 Oct 2018 15:55

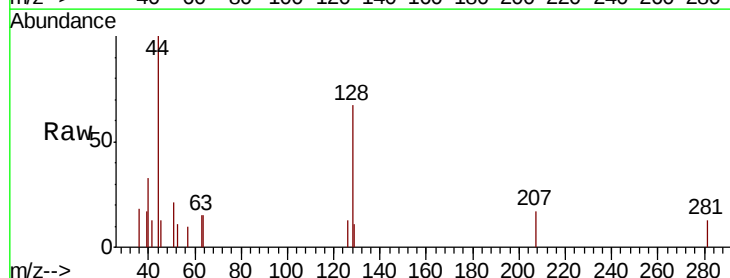
Tgt Ion:128 Resp: 450

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 4.4 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

