

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005084.D
 Acq On : 05 Oct 2018 23:19
 Operator : JC/MD
 Sample : J5207-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-4145

Quant Time: Oct 05 23:51:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	222031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186256	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	169696	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	5.51	113	136920	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	480129	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.14	95	174380	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

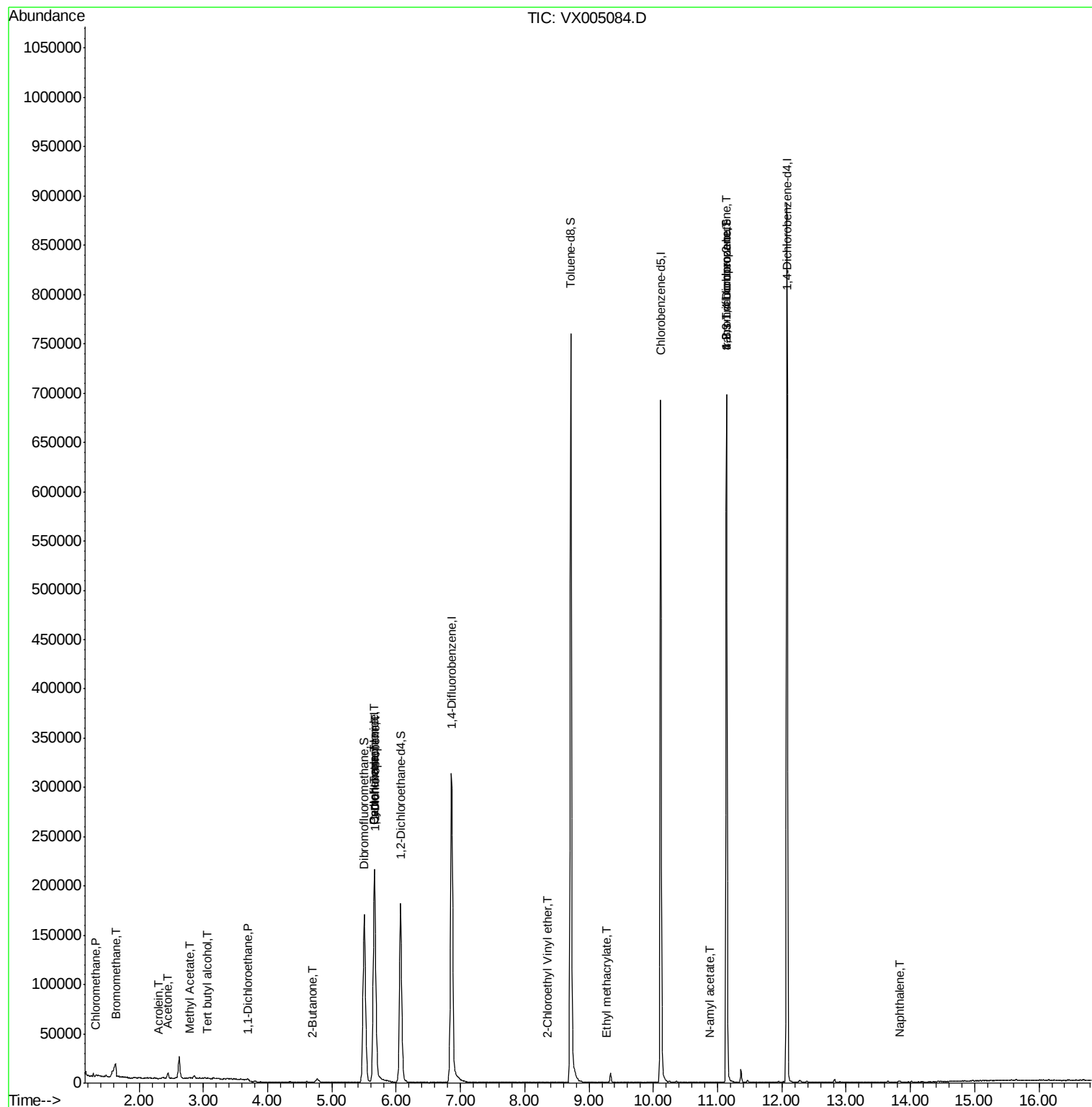
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	899	0.245	ug/l	92
5) Bromomethane	1.64	94	740	0.362	ug/l #	34
6) Chloroethane	1.71	64	188	Below Cal	#	69
11) Tert butyl alcohol	3.06	59	368	0.415	ug/l #	72
13) Acrolein	2.30	56	154	0.244	ug/l #	64
16) Acetone	2.45	43	5552	2.998	ug/l	99
18) Methyl Acetate	2.78	43	1139	0.243	ug/l #	82
20) Methylene Chloride	2.85	84	1116	Below Cal	#	85
24) 1,1-Dichloroethane	3.70	63	2489	0.472	ug/l #	87
25) 2-Butanone	4.70	43	599	0.219	ug/l #	49
31) Cyclohexane	5.67	56	4400	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14378	3.733	ug/l #	46
38) Carbon Tetrachloride	5.67	117	19189	4.739	ug/l #	18
56) Ethyl methacrylate	9.27	69	22	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.35	63	41	14.258	ug/l #	49
74) N-amyl acetate	10.88	43	151	1.770	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	86336	20.681	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	202	Below Cal		91
81) trans-1,4-Dichloro-2-buten	11.14	75	86336	56.150	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	348	Below Cal		76
95) Naphthalene	13.83	128	649	0.761	ug/l #	90

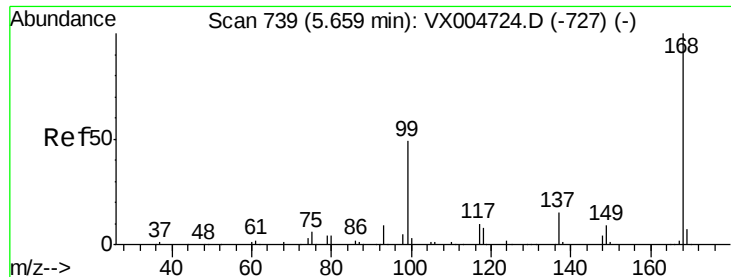
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005084.D
Acq On : 05 Oct 2018 23:19
Operator : JC/MD
Sample : J5207-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-4145

Quant Time: Oct 05 23:51:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 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: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

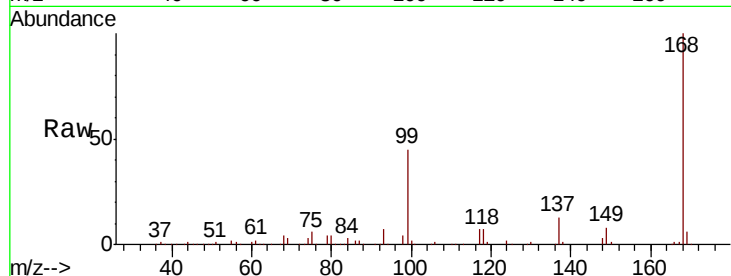
SA-TW511-4145

Tot Ion:168 Resp: 222031

Ion Ratio Lower Upper

168 100

99 44.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

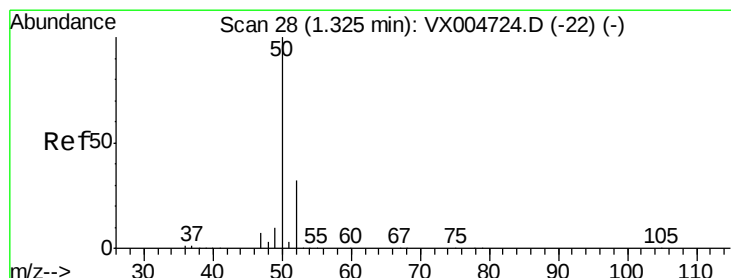
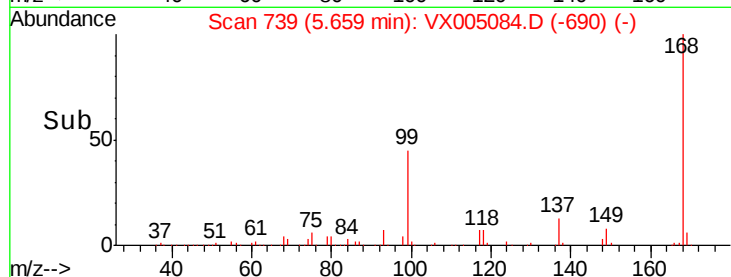
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005084.D

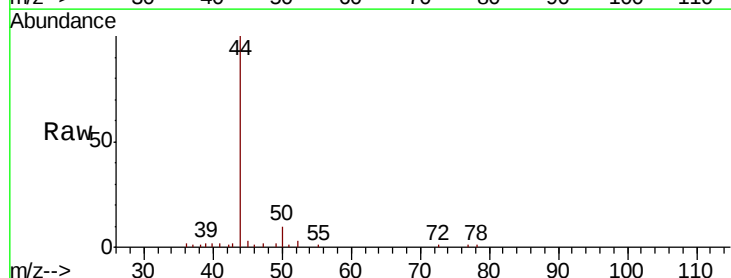
Acq: 05 Oct 2018 23:19

Tgt Ion: 50 Resp: 899

Ion Ratio Lower Upper

50 100

52 27.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

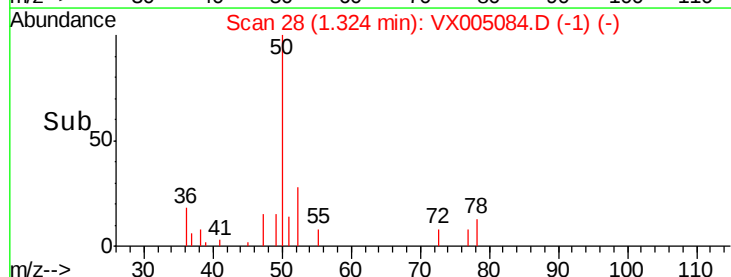
600

400

200

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.362 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

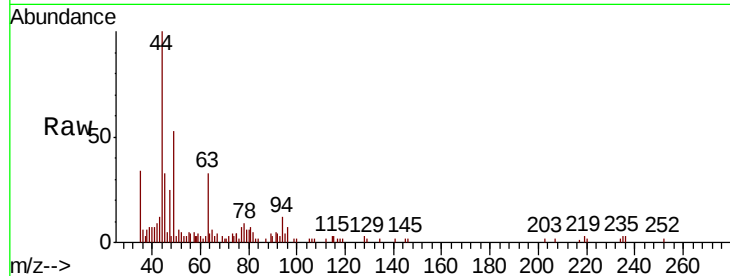
SA-TW511-4145

Tot Ion: 94 Resp: 740

Ion Ratio Lower Upper

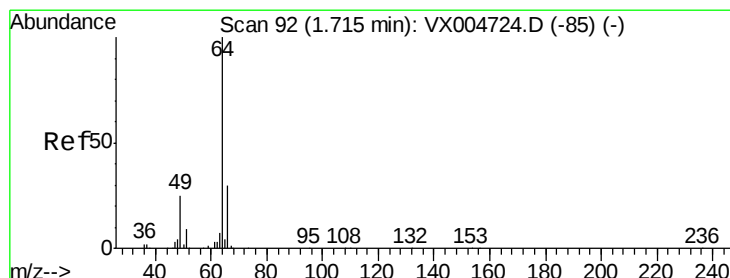
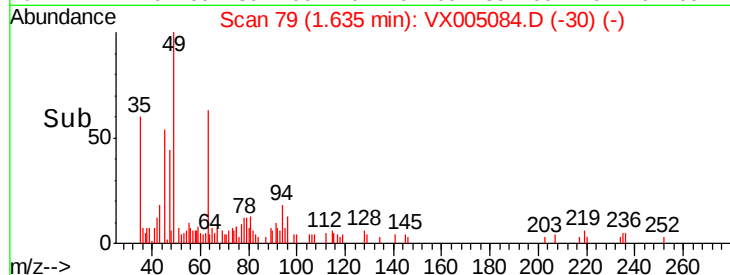
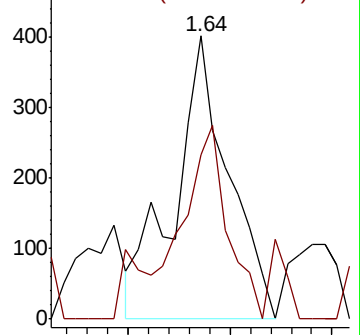
94 100

96 33.4 79.5 119.3#



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: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005084.D

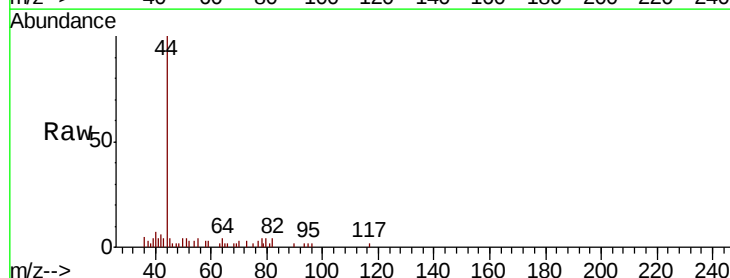
Acq: 05 Oct 2018 23:19

Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

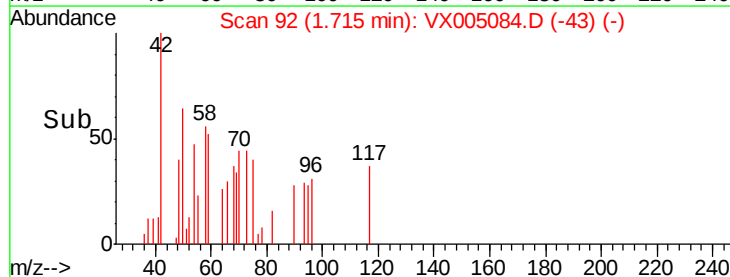
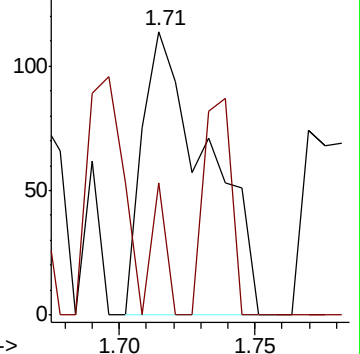
64 100

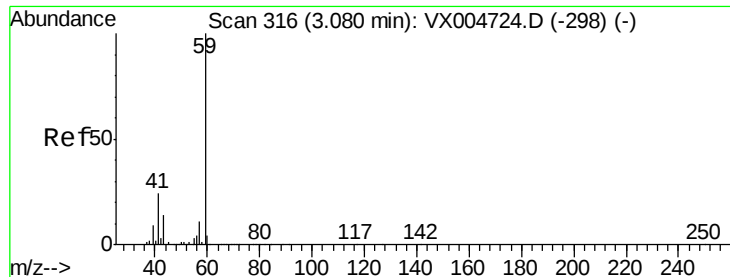
66 46.5 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



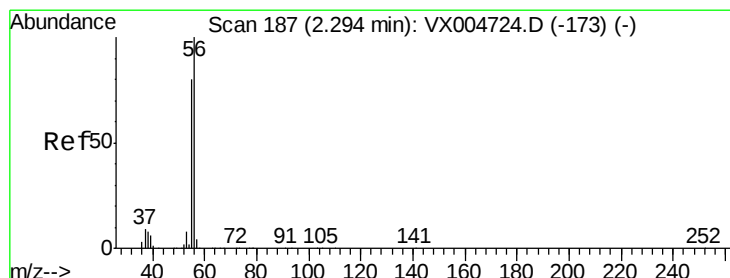
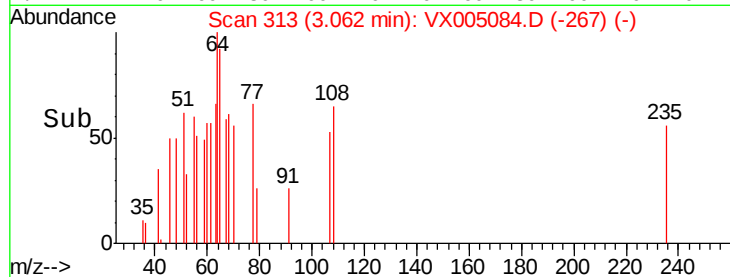
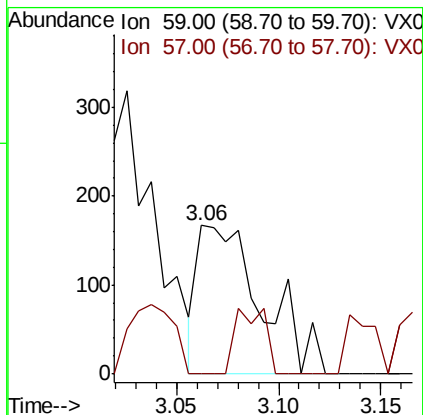
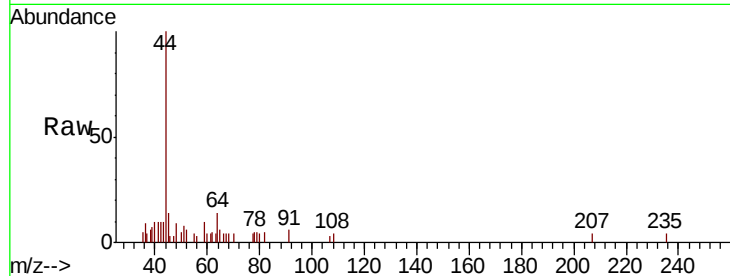


#11

Tert butyl alcohol
 Concen: 0.415 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-4145

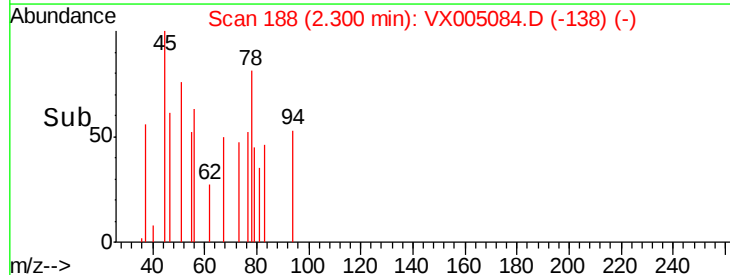
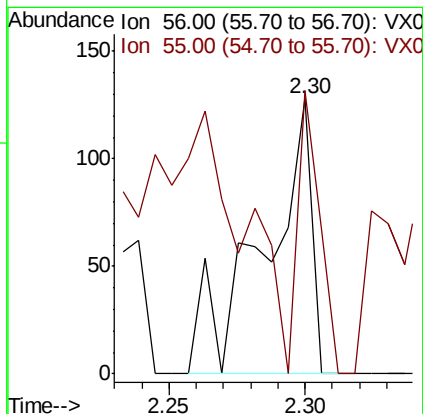
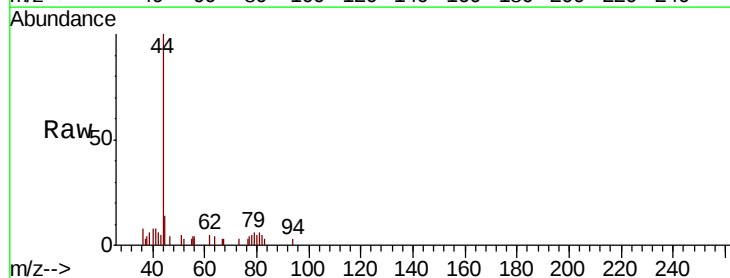
Tot Ion: 59 Resp: 368
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

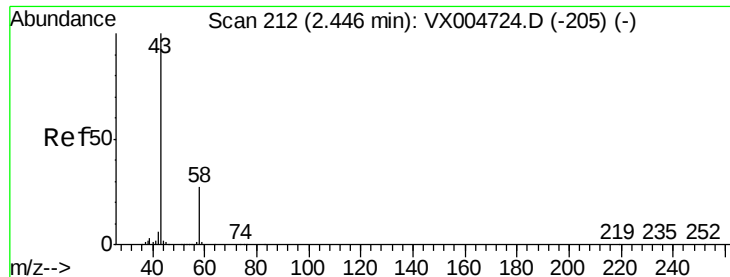


#13

Acrolein
 Concen: 0.244 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

Tgt Ion: 56 Resp: 154
 Ion Ratio Lower Upper
 56 100
 55 47.4 63.4 95.2#





#16

Acetone

Concen: 2.998 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

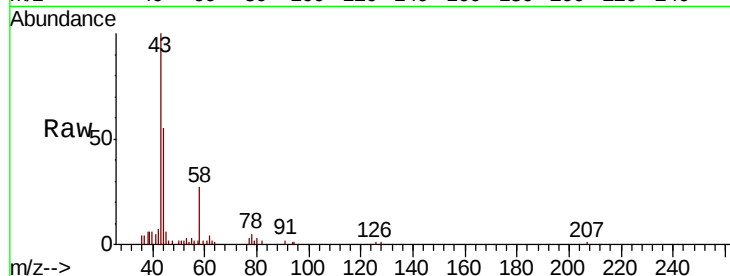
SA-TW511-4145

Tot Ion: 43 Resp: 5552

Ion Ratio Lower Upper

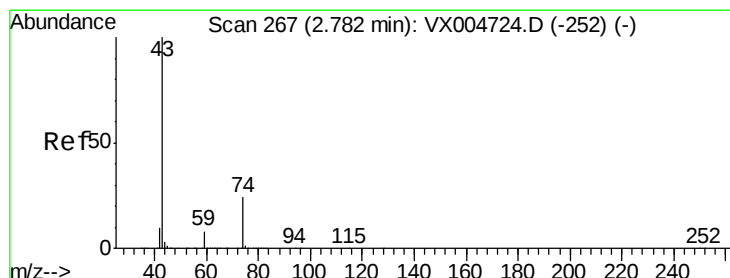
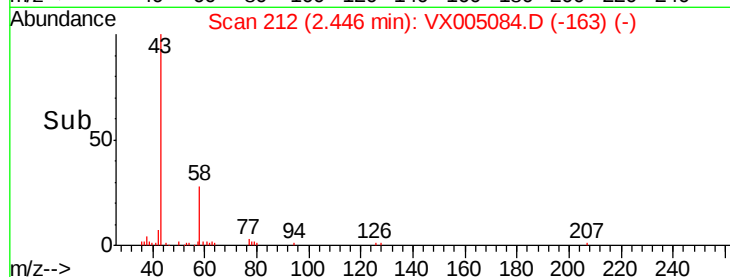
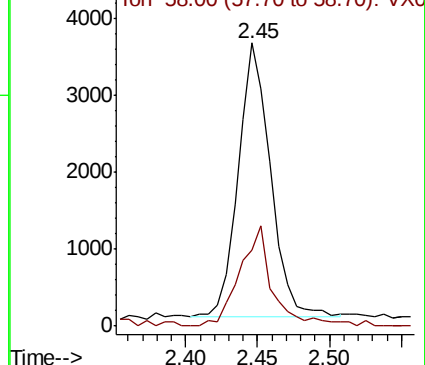
43 100

58 28.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005084.D

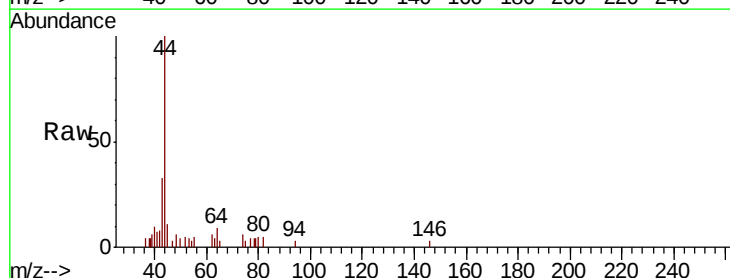
Acq: 05 Oct 2018 23:19

Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

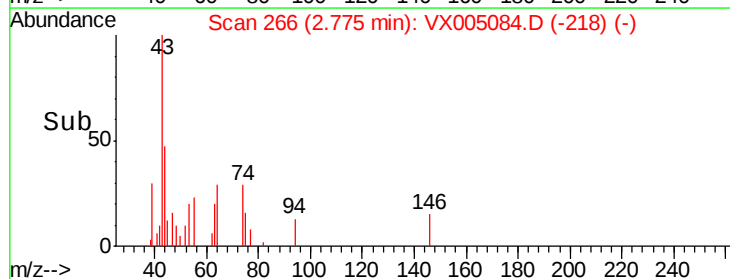
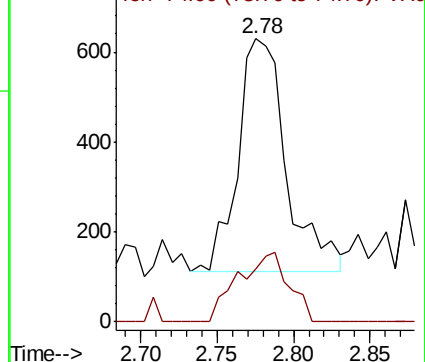
43 100

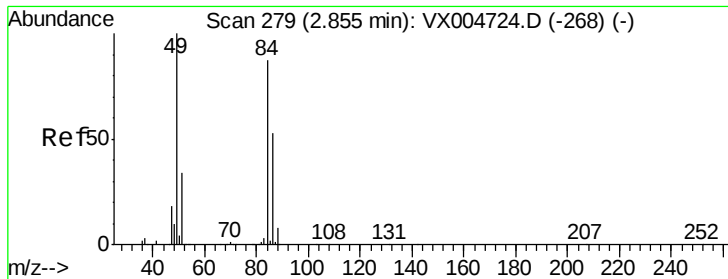
74 30.9 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

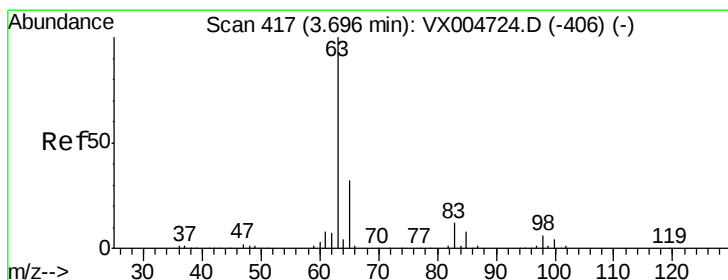
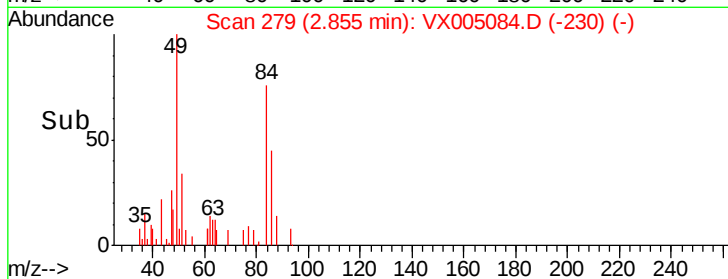
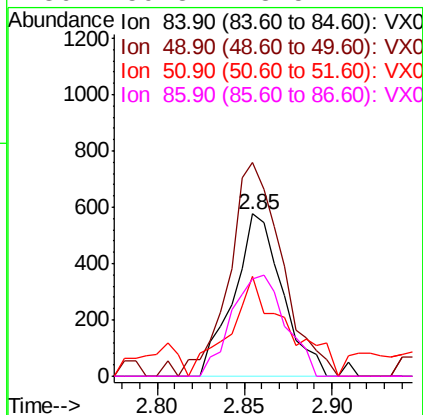
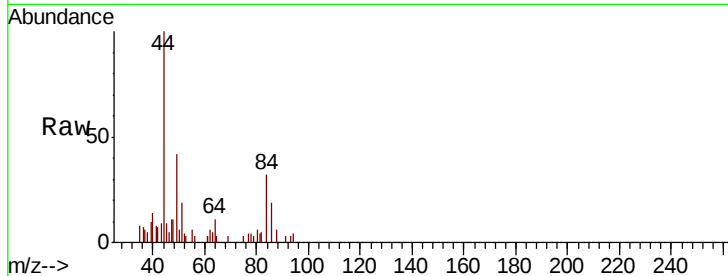




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005084.D
Acq: 05 Oct 2018 23:19

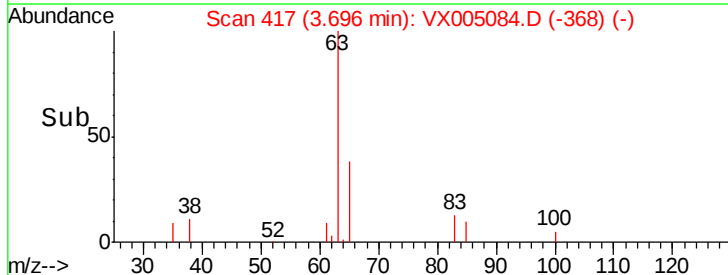
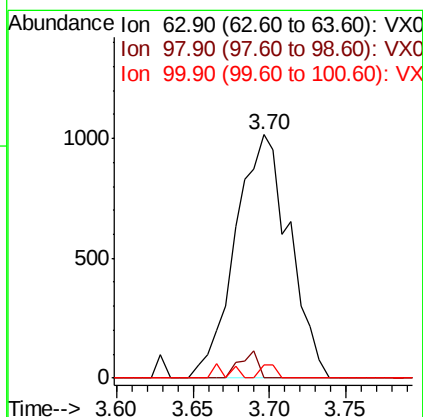
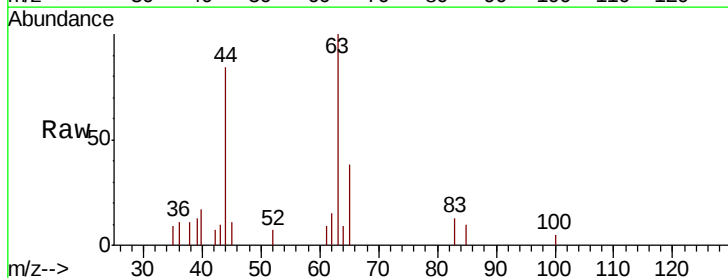
Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-4145

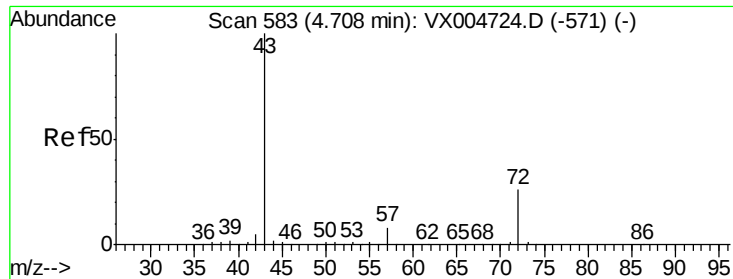
Tot Ion:	84	Resp:	1116
Ion	Ratio	Lower	Upper
84	100		
49	131.5	92.3	138.5
51	61.4	31.8	47.6#
86	59.8	48.5	72.7



#24
1,1-Dichloroethane
Concen: 0.472 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX005084.D
Acq: 05 Oct 2018 23:19

Tgt Ion:	63	Resp:	2489
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.0	9.2#
100	5.3	2.0	5.8

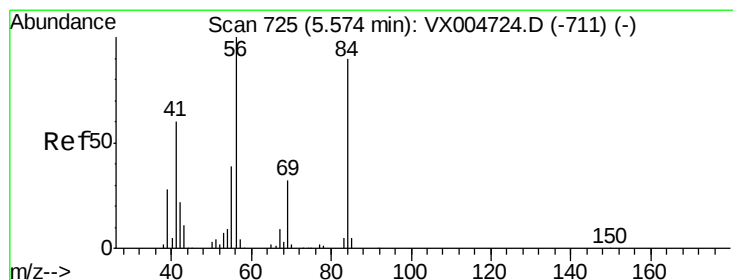
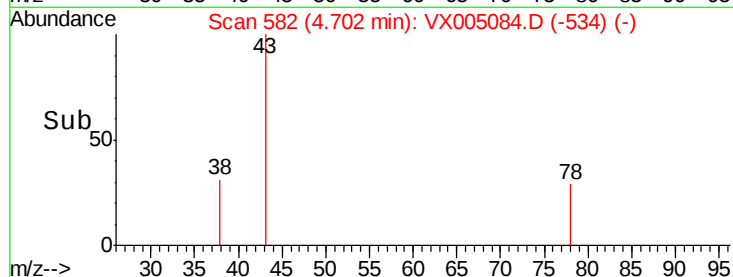
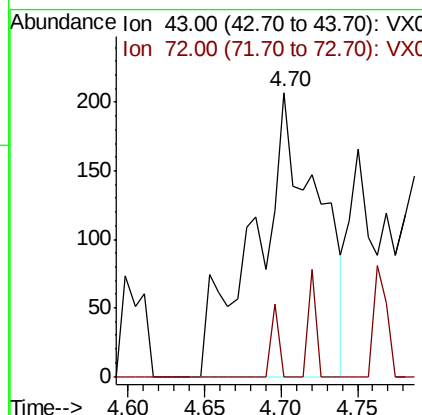
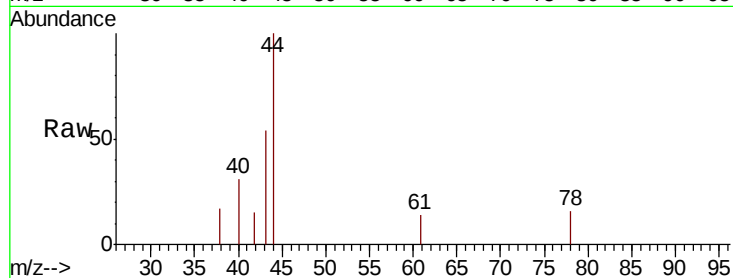




#25
2-Butanone
Concen: 0.219 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005084.D
Acq: 05 Oct 2018 23:19

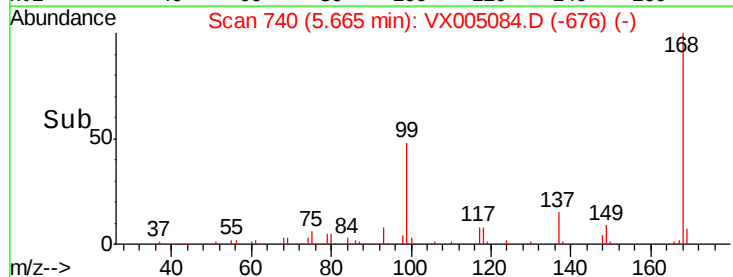
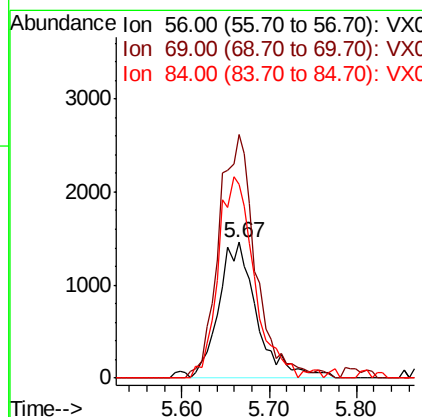
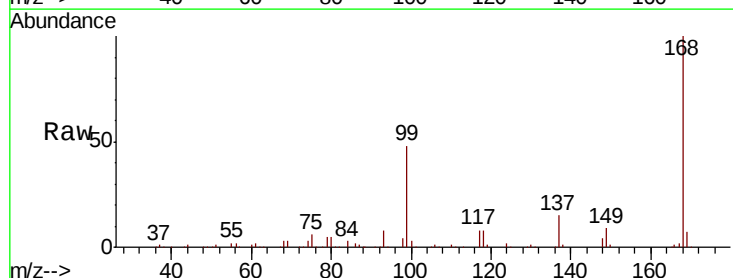
Instrument :
MSVOA_X
ClientSampleId :
SA-TW511-4145

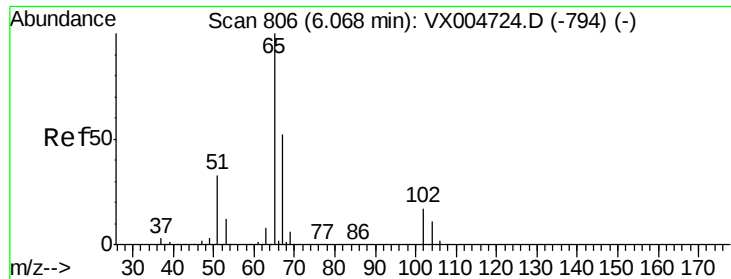
Tot Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005084.D
Acq: 05 Oct 2018 23:19

Tgt Ion: 56 Resp: 4400
Ion Ratio Lower Upper
56 100
69 179.1 25.9 38.9#
84 142.3 71.9 107.9#

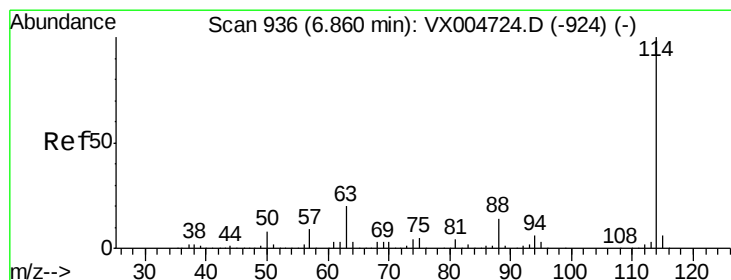
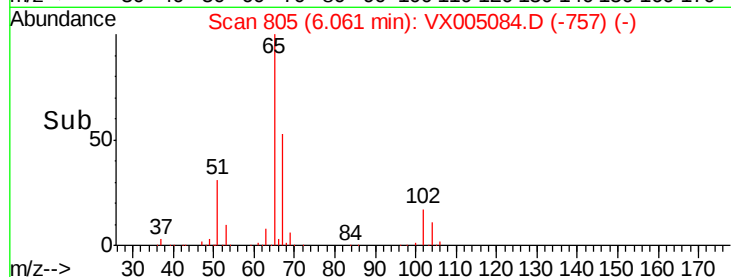
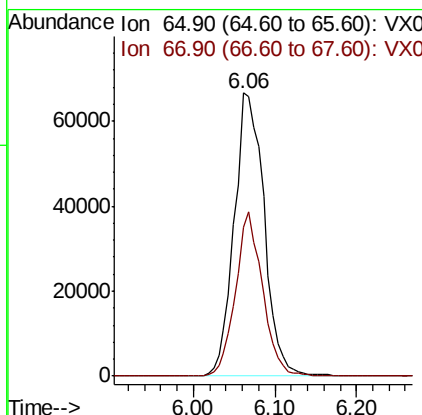
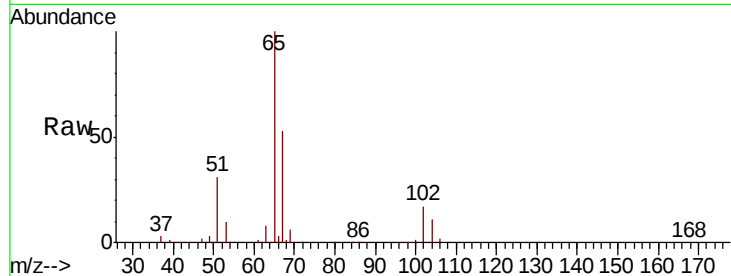




#33
 1,2-Dichloroethane-d4
 Concen: 53.503 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

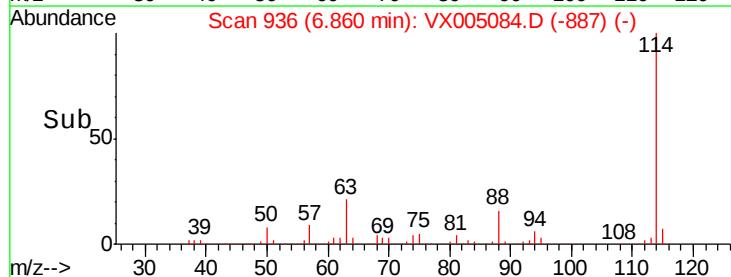
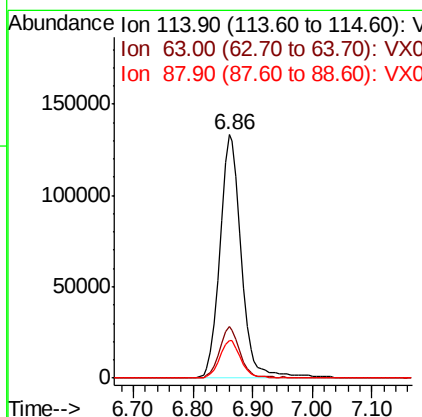
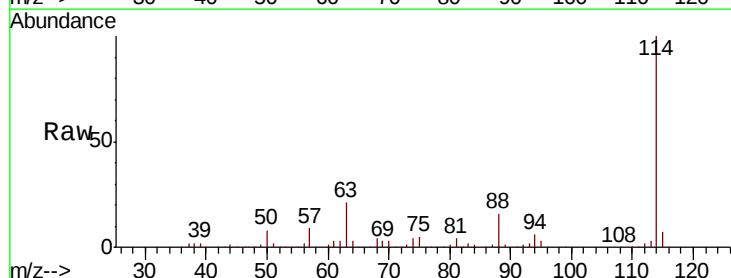
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-4145

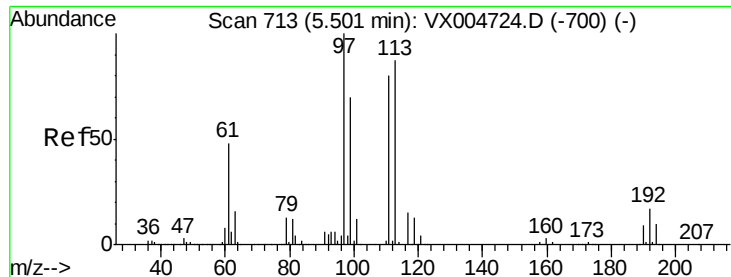
Tot Ion: 65 Resp: 169696
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

Tgt Ion: 114 Resp: 333108
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.8
 88 15.7 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.499 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-4145

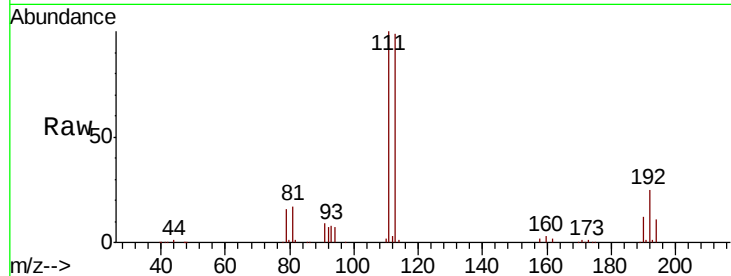
Tot Ion:113 Resp: 136920

Ion Ratio Lower Upper

113 100

111 106.1 77.0 115.4

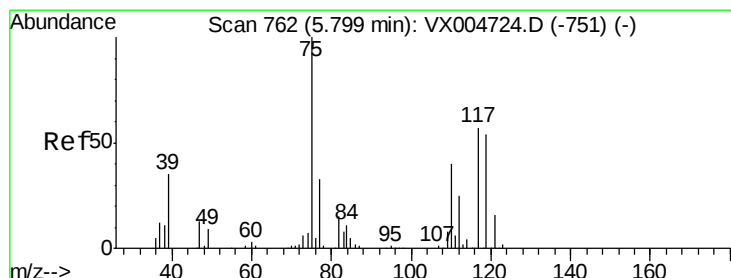
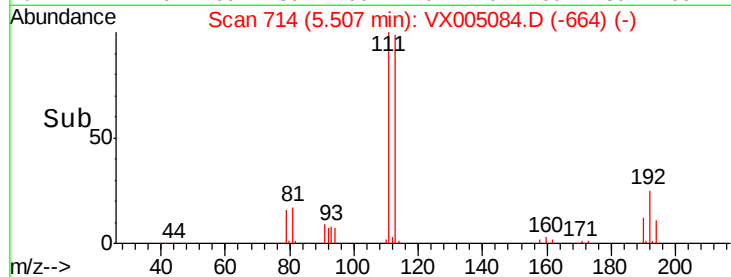
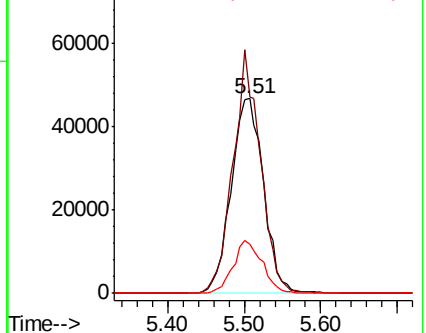
192 24.7 17.0 25.6



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: 3.733 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

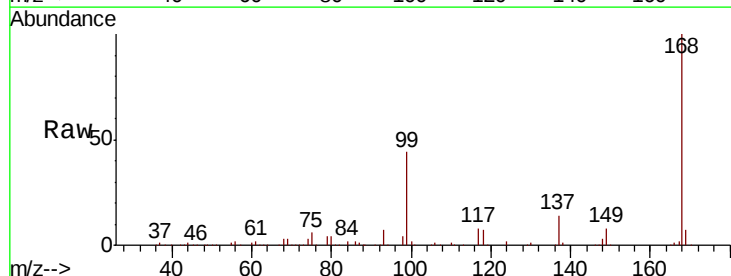
Tgt Ion: 75 Resp: 14378

Ion Ratio Lower Upper

75 100

110 9.2 20.0 59.9#

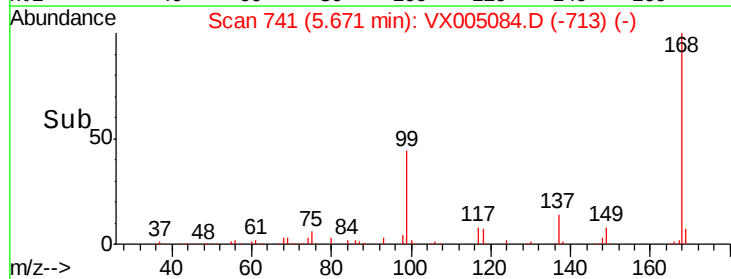
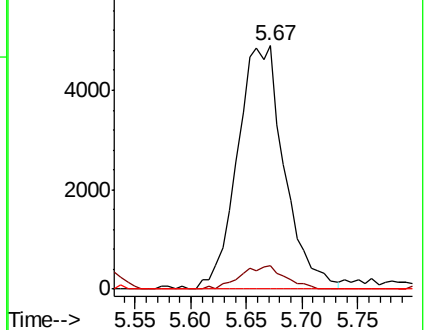
77 0.0 27.1 40.7#

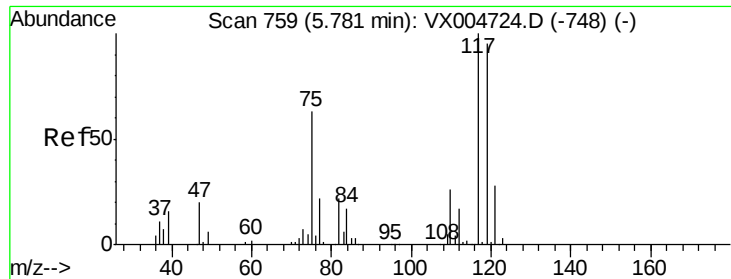


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.739 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-4145

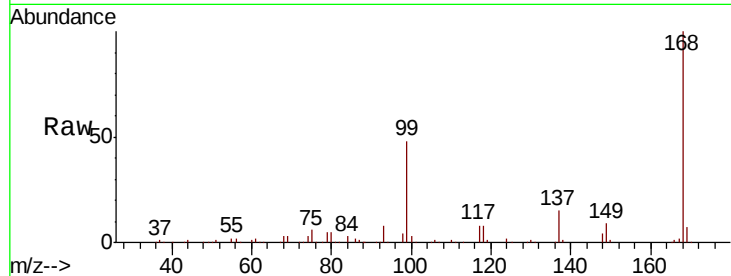
Tot Ion:117 Resp: 19189

Ion Ratio Lower Upper

117 100

119 6.7 75.2 112.8#

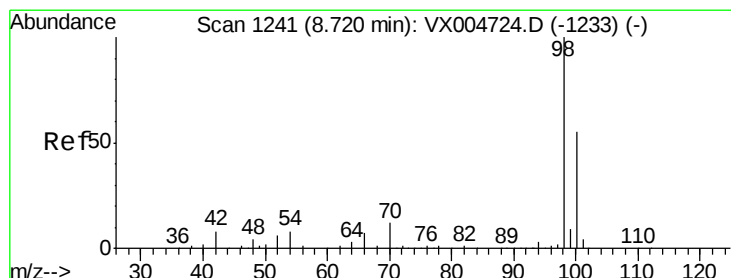
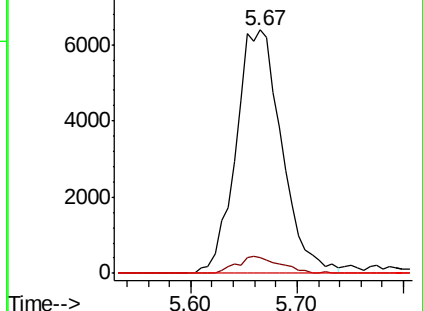
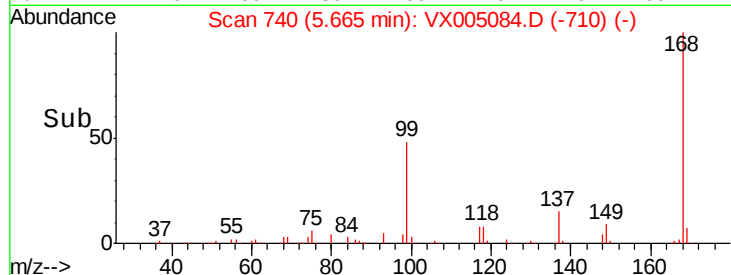
121 0.0 22.5 33.7#



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: 51.157 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX005084.D

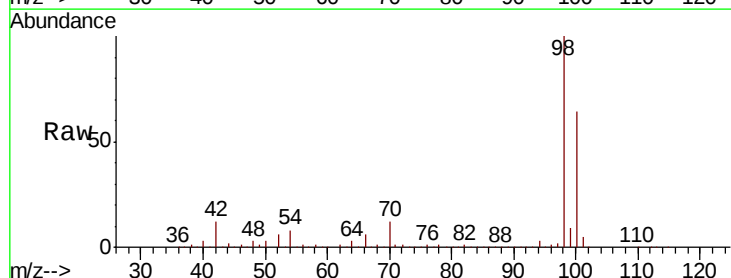
Acq: 05 Oct 2018 23:19

Tgt Ion: 98 Resp: 480129

Ion Ratio Lower Upper

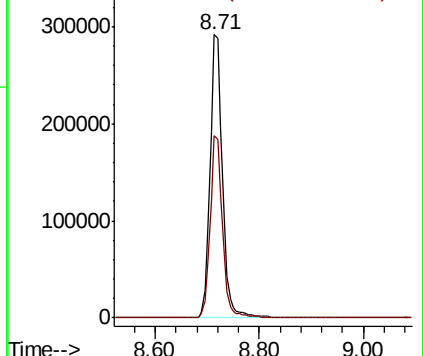
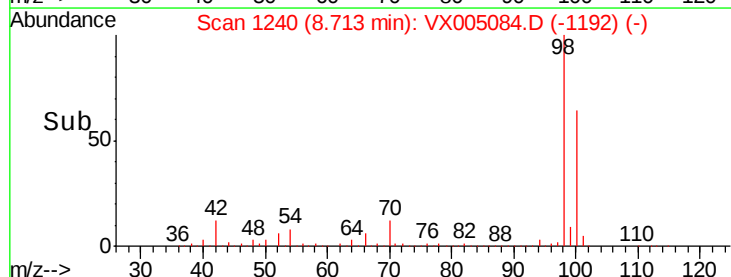
98 100

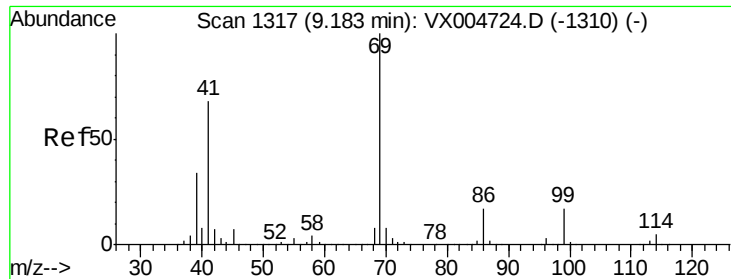
100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.27 min Scan# 1331

Delta R.T. 0.09 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-4145

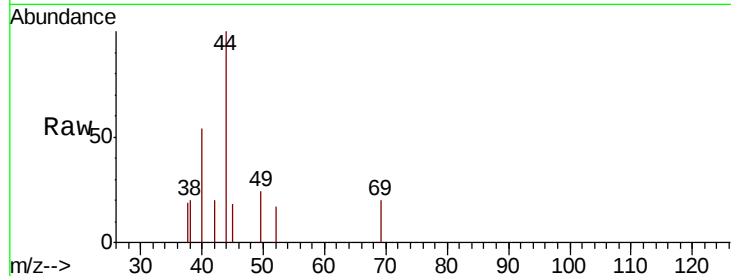
Tot Ion: 69 Resp: 22

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

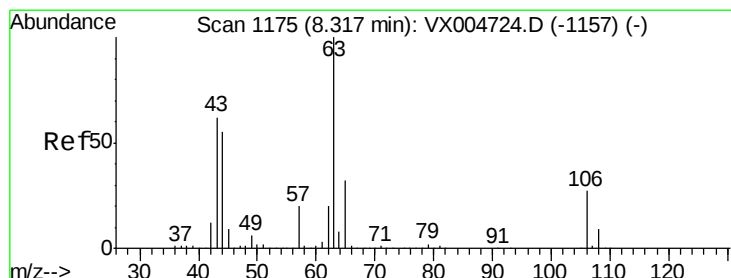
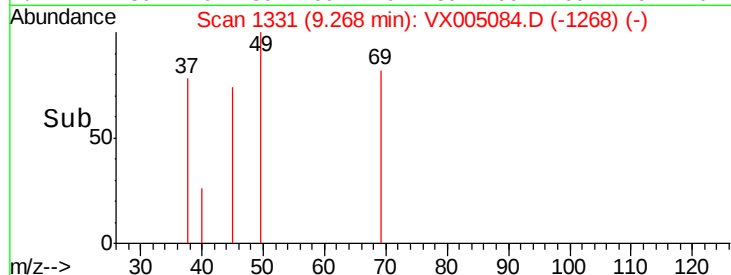
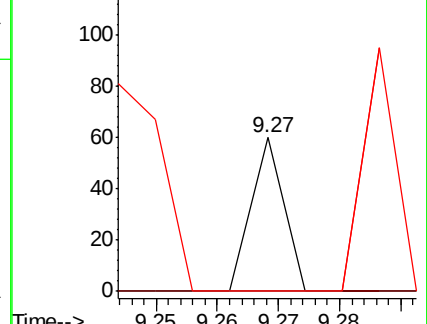
39 159.1 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.258 ug/l

RT: 8.35 min Scan# 1181

Delta R.T. 0.04 min

Lab File: VX005084.D

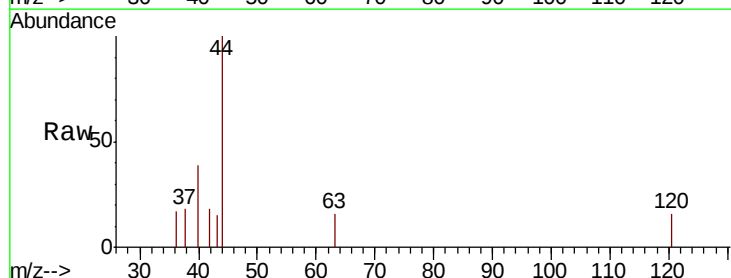
Acq: 05 Oct 2018 23:19

Tgt Ion: 63 Resp: 41

Ion Ratio Lower Upper

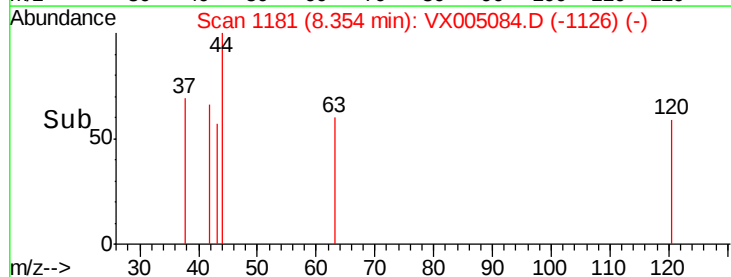
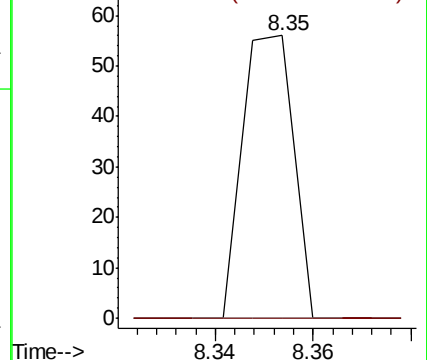
63 100

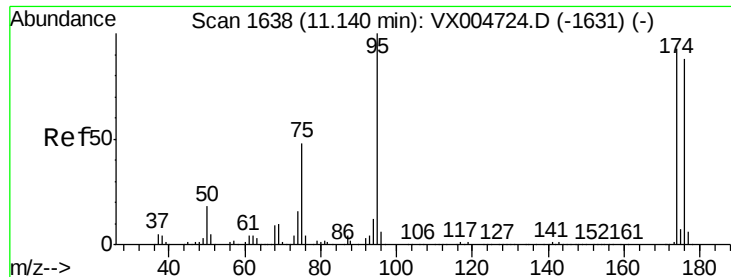
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

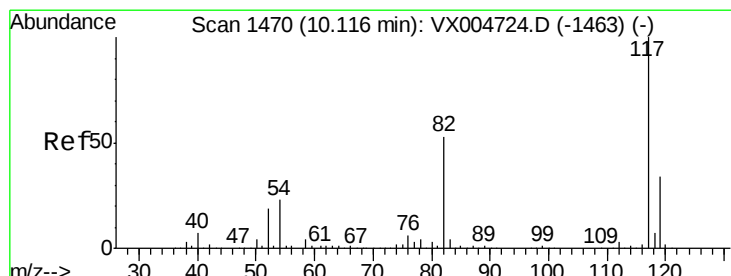
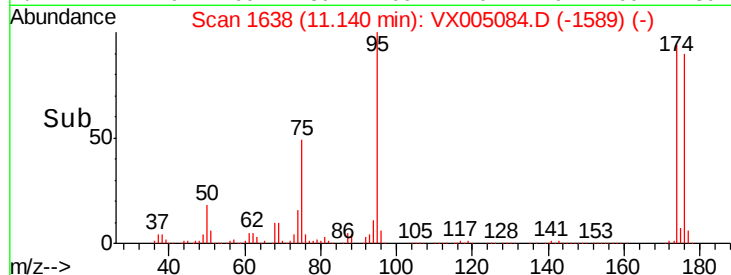
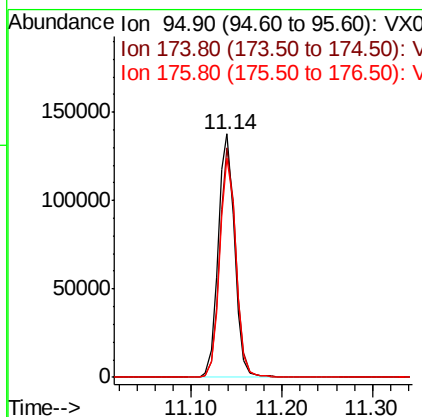
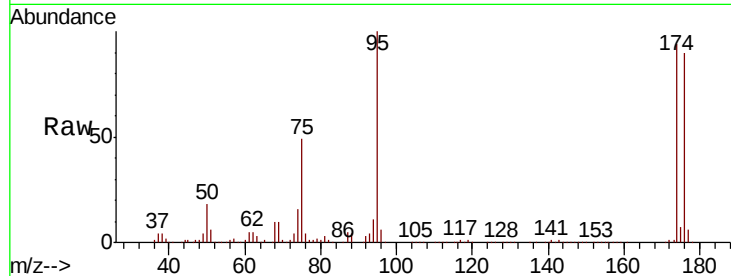




#62
 4-Bromofluorobenzene
 Concen: 51.574 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

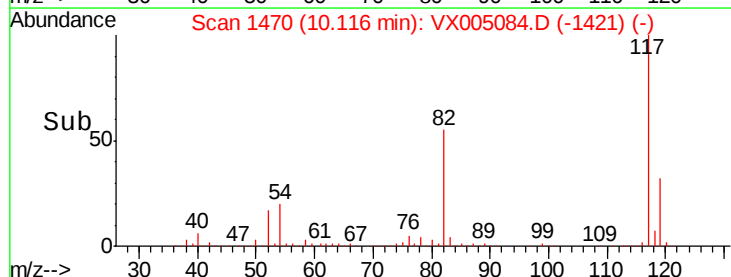
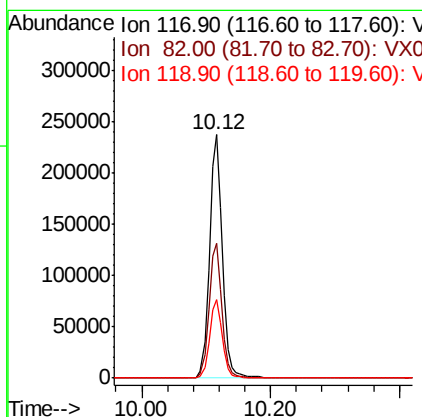
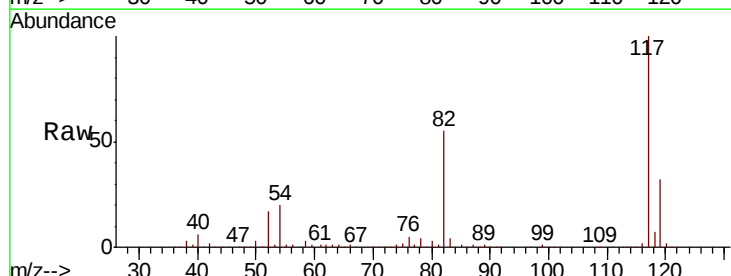
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW511-4145

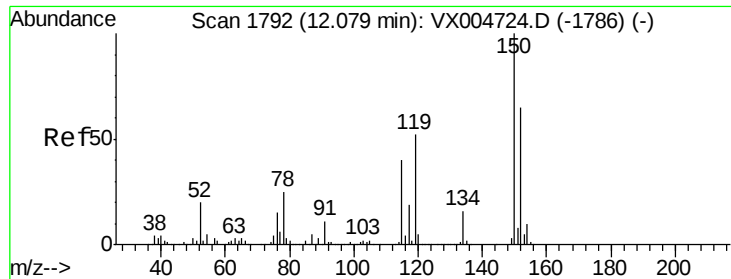
Tot Ion: 95 Resp: 174380
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 185.0
 176 89.3 0.0 180.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VX005084.D
 Acq: 05 Oct 2018 23:19

Tgt Ion: 117 Resp: 328073
 Ion Ratio Lower Upper
 117 100
 82 55.4 42.2 63.4
 119 32.2 27.4 41.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-4145

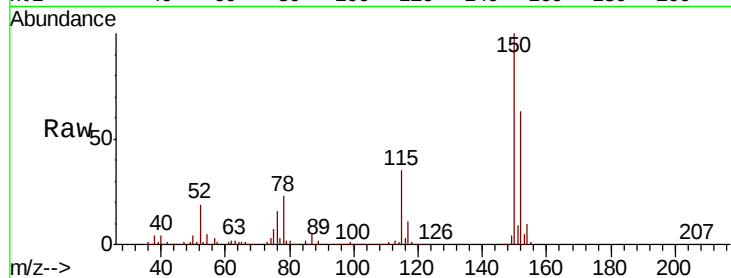
Tot Ion:152 Resp: 186256

Ion Ratio Lower Upper

152 100

115 54.9 40.2 120.6

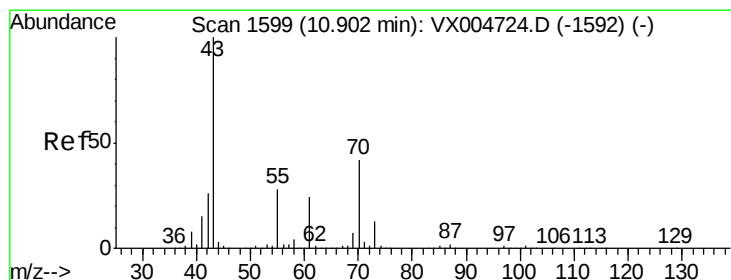
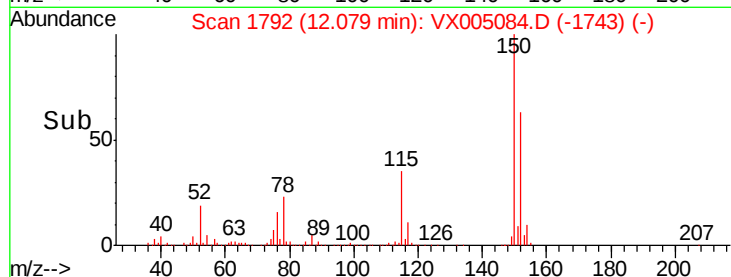
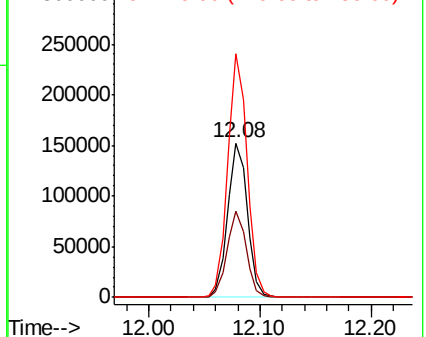
150 155.7 0.0 351.0



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-ethyl acetate

Concen: 1.770 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Tgt Ion: 43 Resp: 151

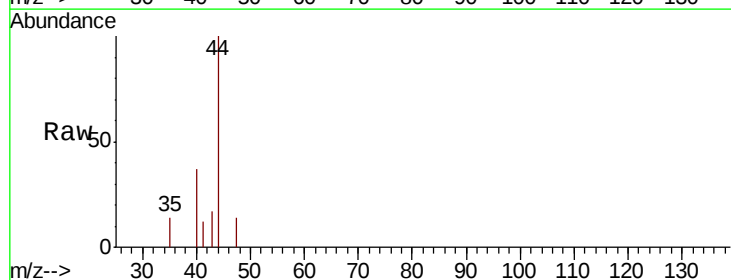
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

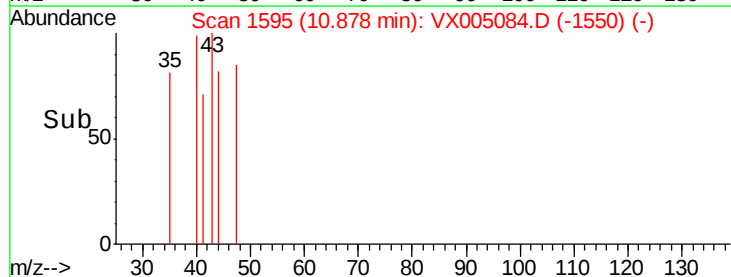
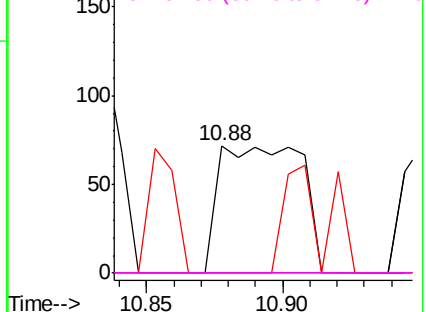


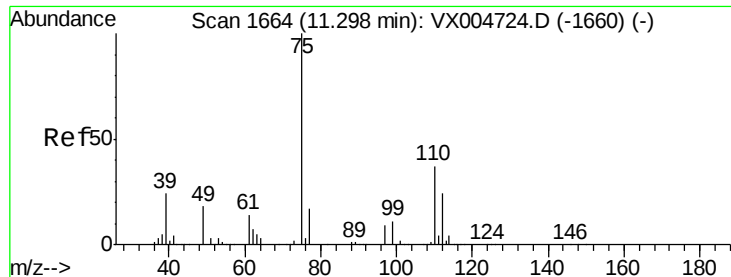
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.681 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

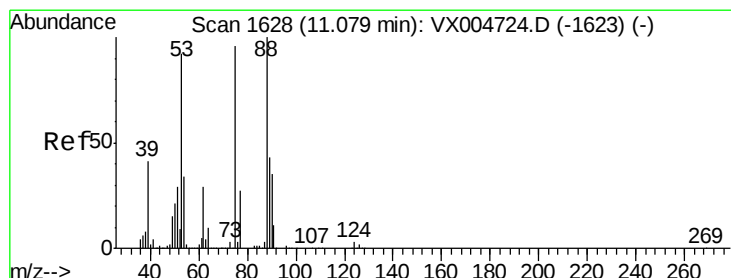
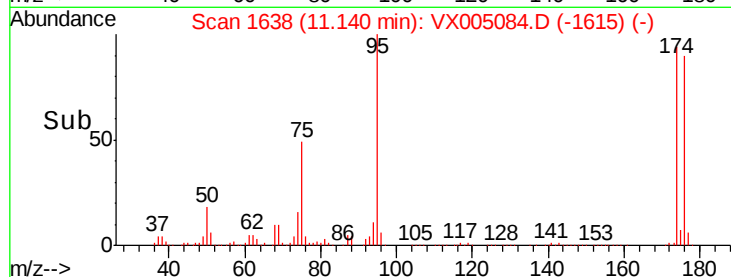
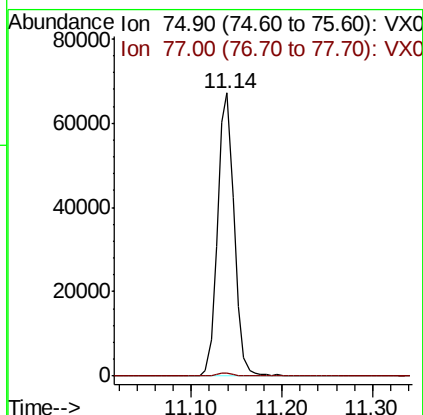
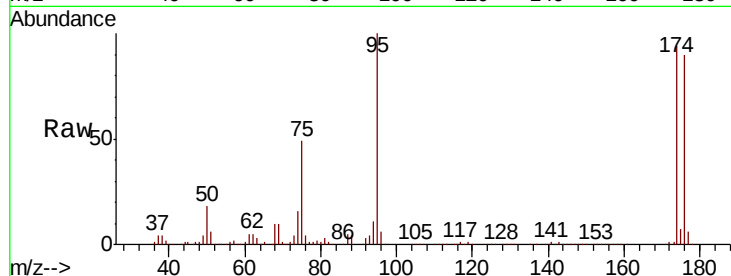
SA-TW511-4145

Tot Ion: 75 Resp: 86336

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.150 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

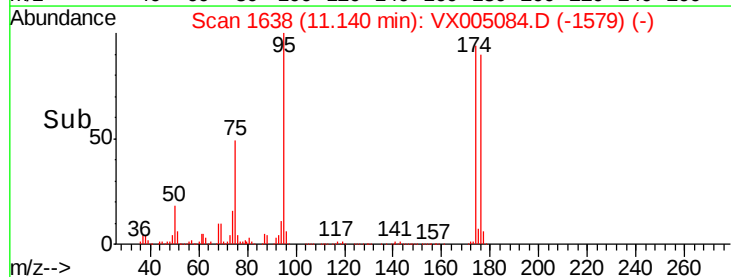
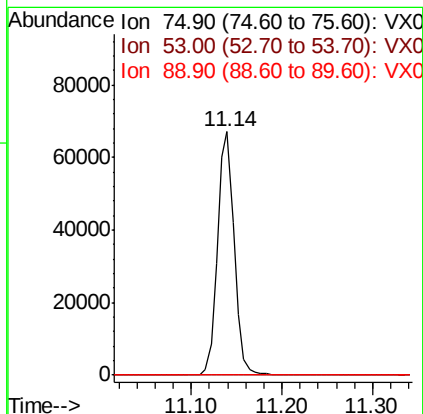
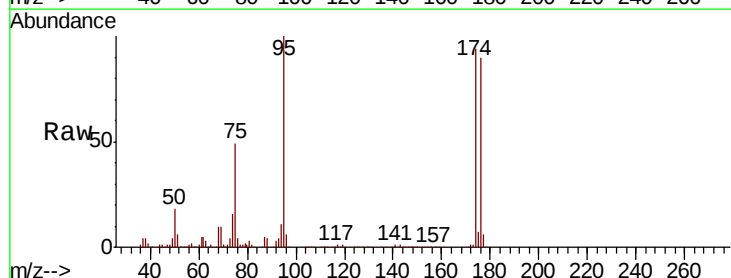
Tgt Ion: 75 Resp: 86336

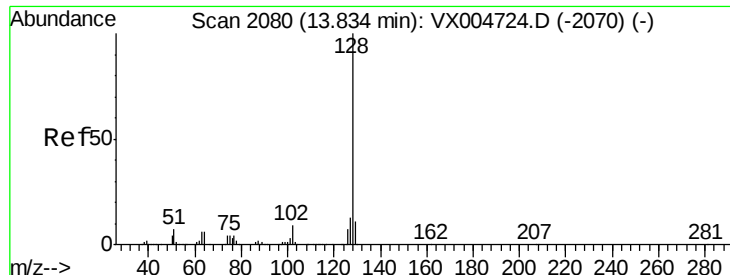
Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.761 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005084.D

Acq: 05 Oct 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

SA-TW511-4145

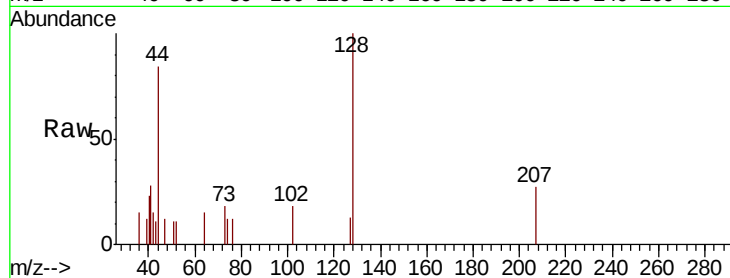
Tot Ion:128 Resp: 649

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 3.2 8.7 13.1#



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

