

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004841.D
 Acq On : 29 Sep 2018 00:59
 Operator : JC/MD
 Sample : J5134-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-0913

Quant Time: Sep 29 06:37:08 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	239078	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	374804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197777	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	186314	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
35) Dibromofluoromethane	5.51	113	157779	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	541690	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.14	95	192518	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	

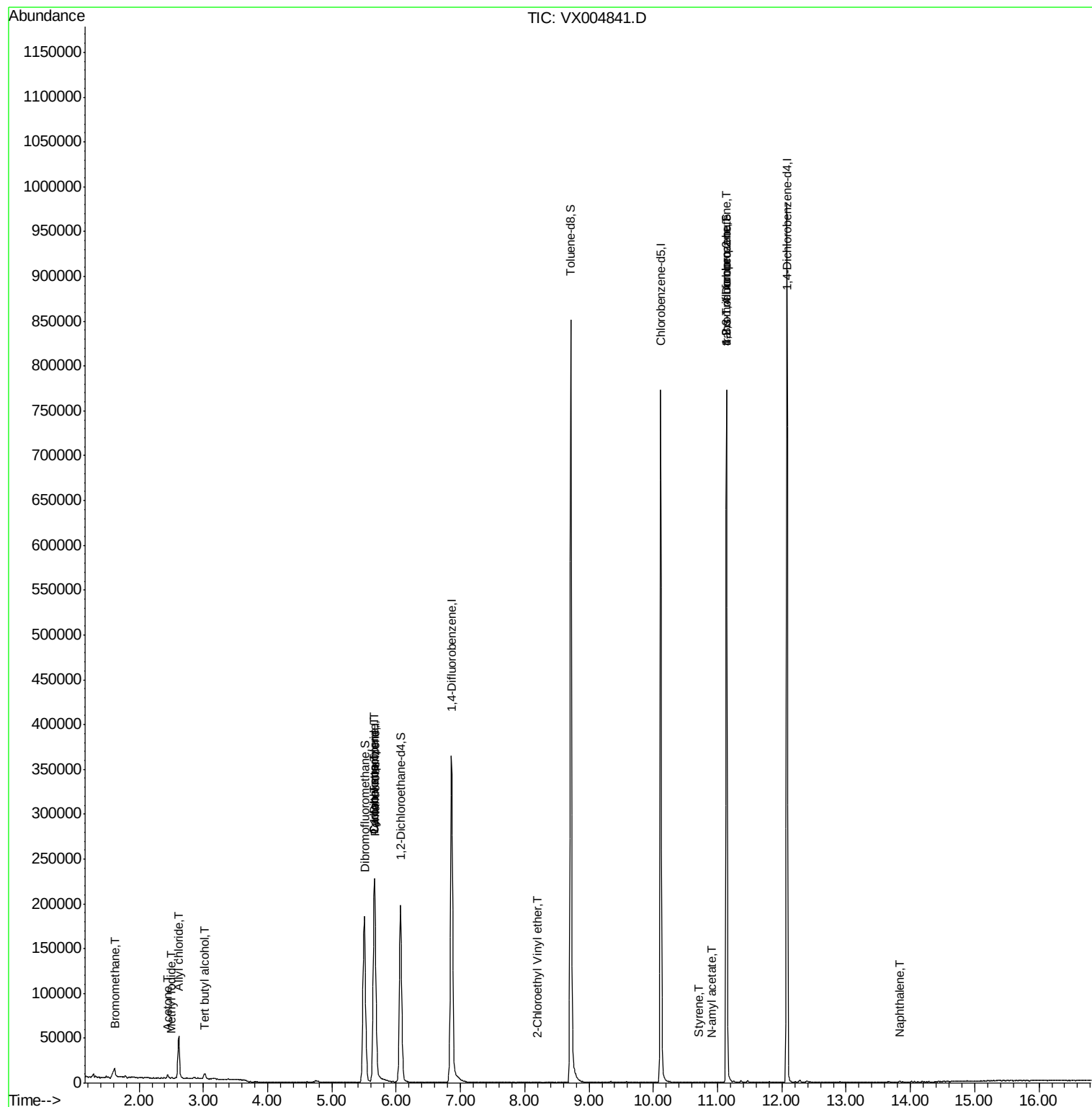
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	560	0.255	ug/l #	37
6) Chloroethane	1.70	64	670	Below Cal		92
10) Methyl Iodide	2.51	142	736	0.210	ug/l #	93
11) Tert butyl alcohol	3.01	59	4068	4.260	ug/l #	80
14) Allyl chloride	2.62	41	4789	0.847	ug/l #	68
16) Acetone	2.44	43	4570	2.292	ug/l #	81
20) Methylene Chloride	2.85	84	438	Below Cal	#	58
31) Cyclohexane	5.66	56	4567	1.051	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17390	4.013	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22326	4.901	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.19	63	19	14.248	ug/l #	45
70) Styrene	10.71	104	101	2.150	ug/l #	82
74) N-amyl acetate	10.90	43	102	1.762	ug/l #	32
76) 1,2,3-Trichloropropane	11.14	75	94917	21.412	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	241	Below Cal	#	55
81) trans-1,4-Dichloro-2-buten	11.14	75	94917	58.065	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	250	Below Cal		67
95) Naphthalene	13.83	128	473	0.748	ug/l #	79

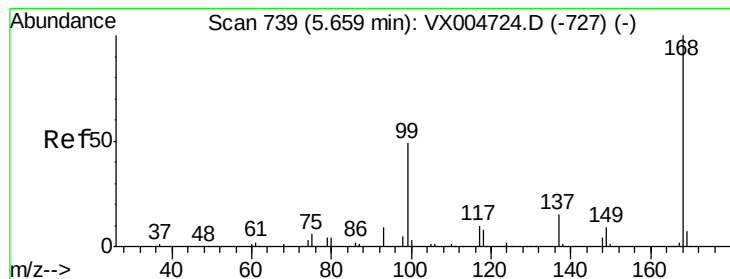
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampleId :

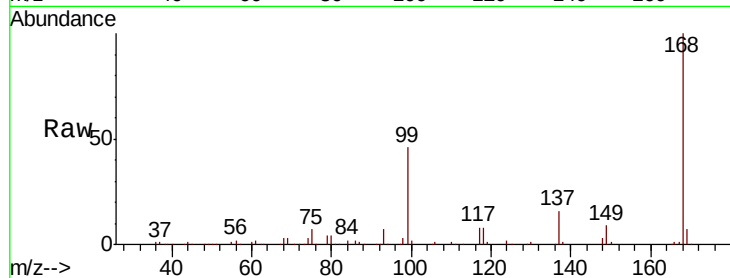
SA-TW504-0913

Tot Ion:168 Resp: 239078

Ion Ratio Lower Upper

168 100

99 45.7 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

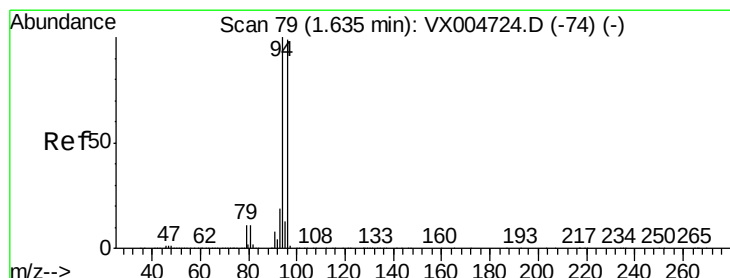
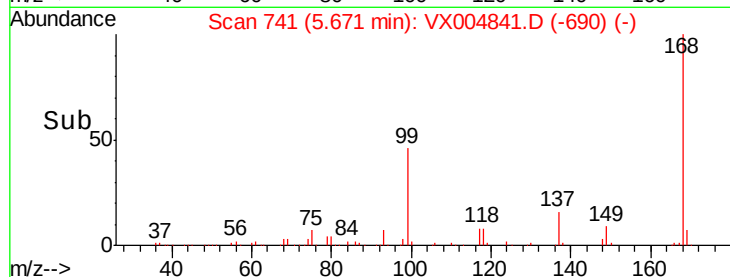
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.255 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004841.D

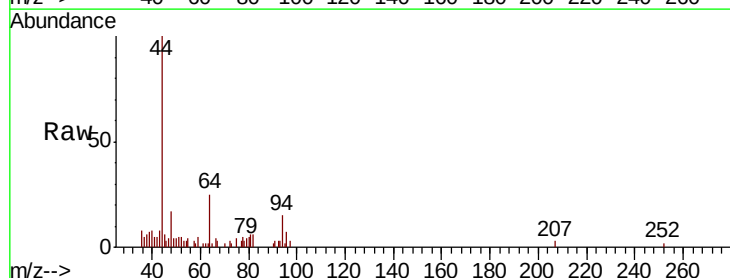
Acq: 29 Sep 2018 00:59

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

94 100

96 32.6 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

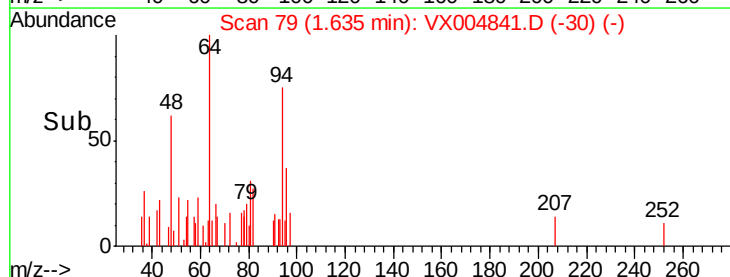
200

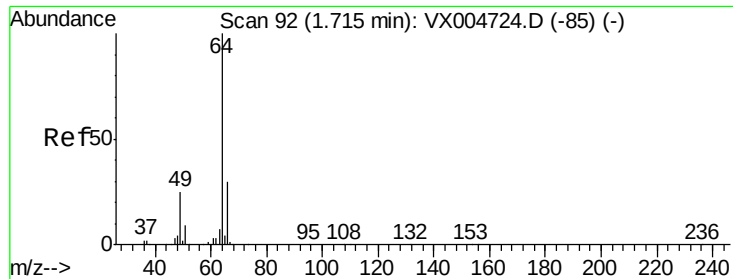
100

0

1.60 1.62 1.64 1.66 1.68

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampleId :

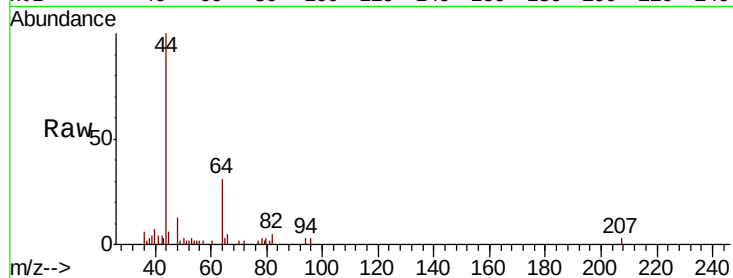
SA-TW504-0913

Tot Ion: 64 Resp: 670

Ion Ratio Lower Upper

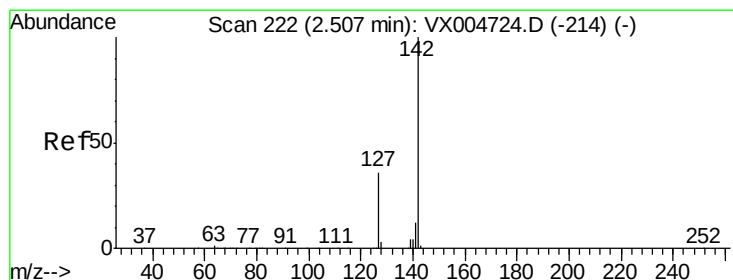
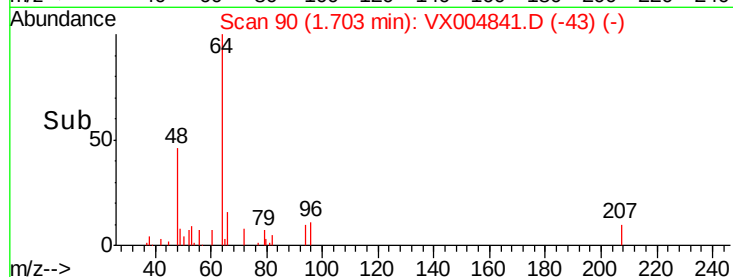
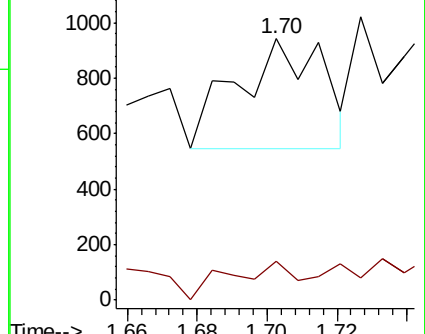
64 100

66 35.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.210 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

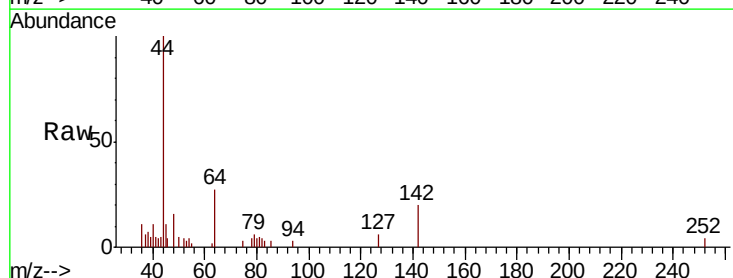
Tgt Ion: 142 Resp: 736

Ion Ratio Lower Upper

142 100

127 41.6 33.8 50.6

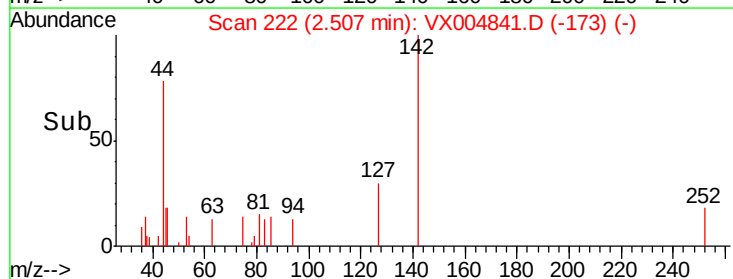
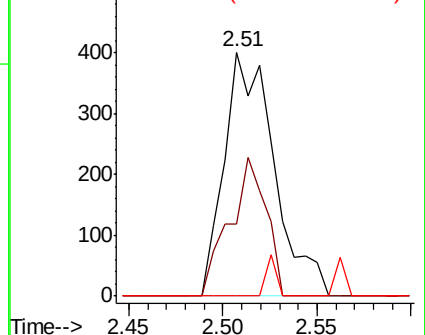
141 3.4 11.4 17.0#

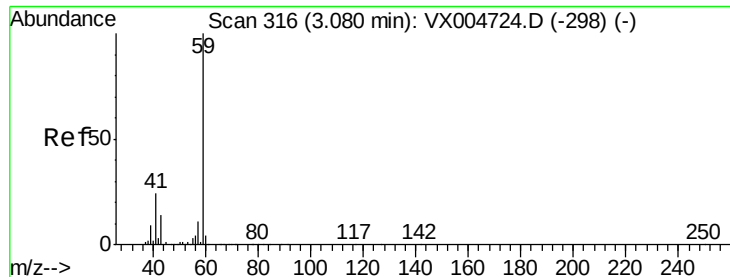


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

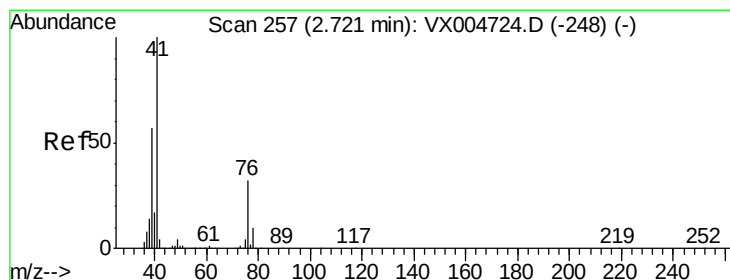
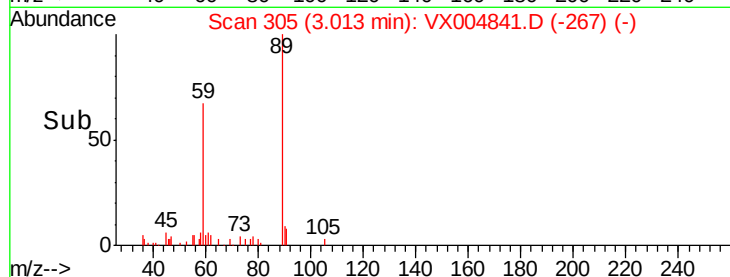
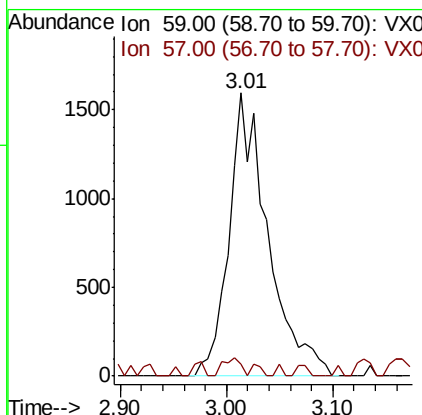
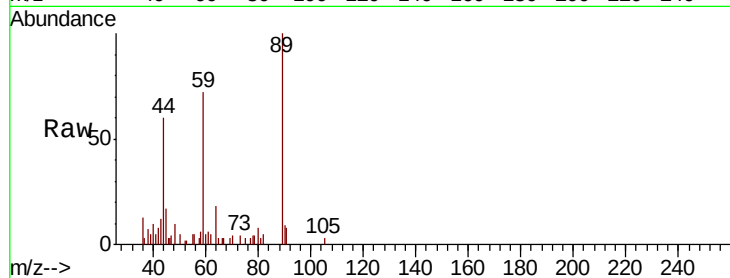




#11
Tert butyl alcohol
Concen: 4.260 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

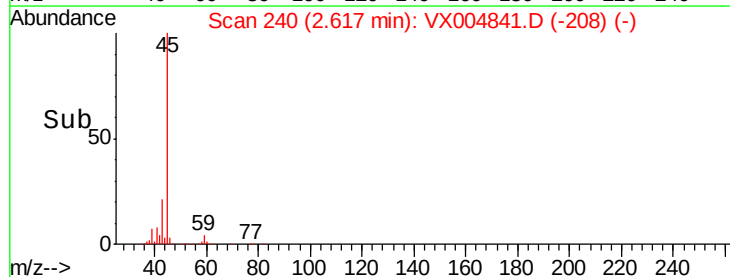
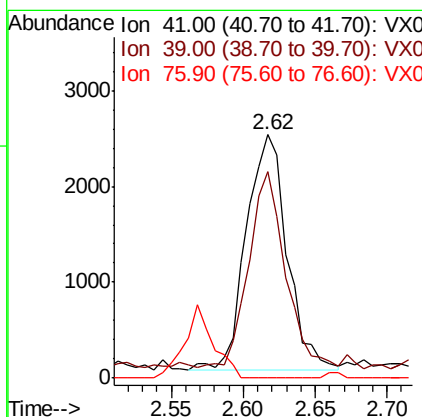
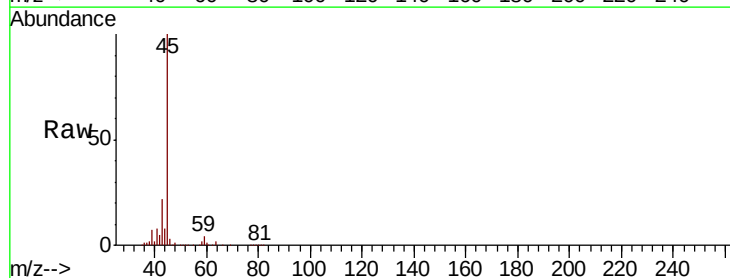
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-0913

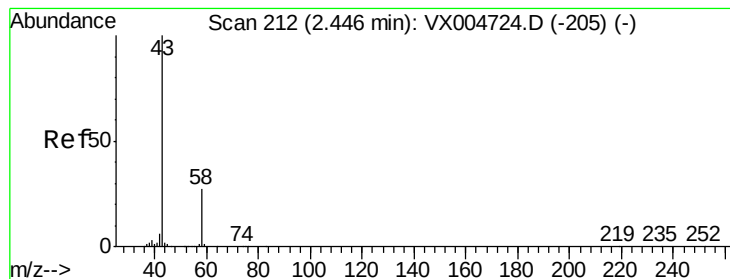
Tot Ion: 59 Resp: 4068
Ion Ratio Lower Upper
59 100
57 2.9 8.2 12.4#



#14
Allyl chloride
Concen: 0.847 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Tgt Ion: 41 Resp: 4789
Ion Ratio Lower Upper
41 100
39 74.4 48.9 73.3#
76 0.0 26.7 40.1#





#16

Acetone

Concen: 2.292 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampleId :

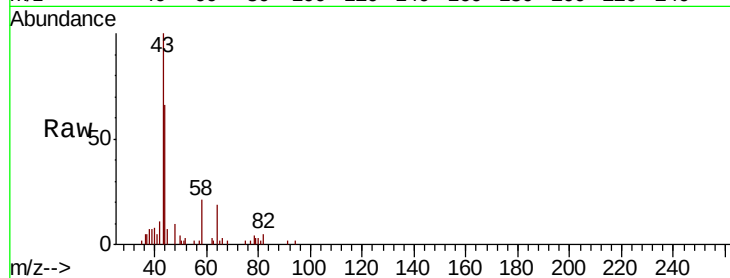
SA-TW504-0913

Tot Ion: 43 Resp: 4570

Ion Ratio Lower Upper

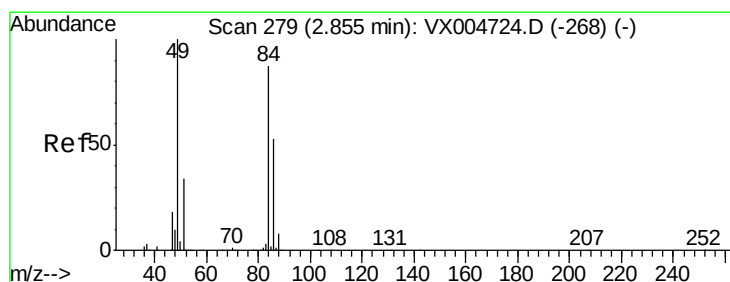
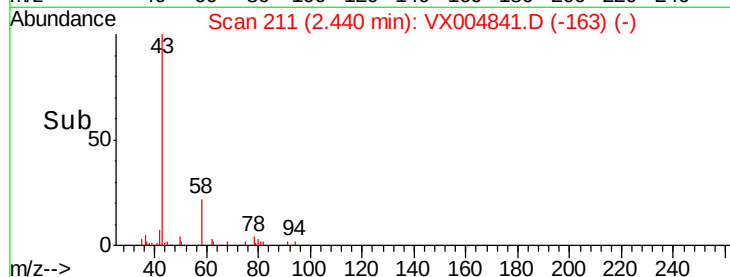
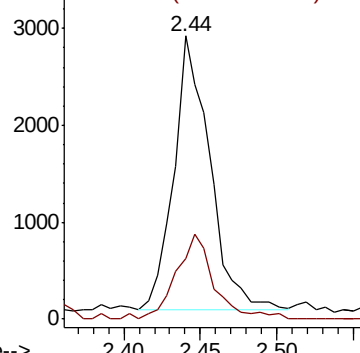
43 100

58 22.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Tgt Ion: 84 Resp: 438

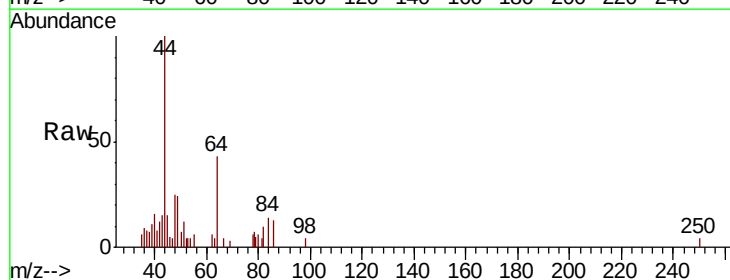
Ion Ratio Lower Upper

84 100

49 166.5 101.2 151.8#

51 84.0 29.5 44.3#

86 93.4 52.3 78.5#

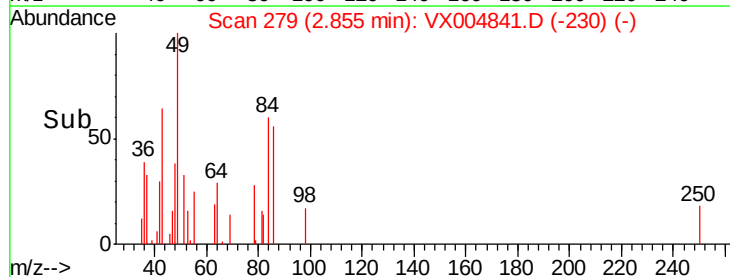
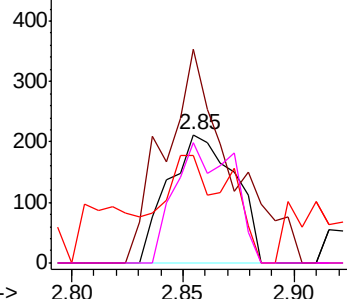


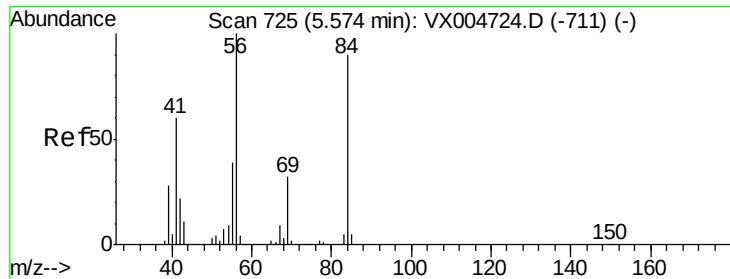
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

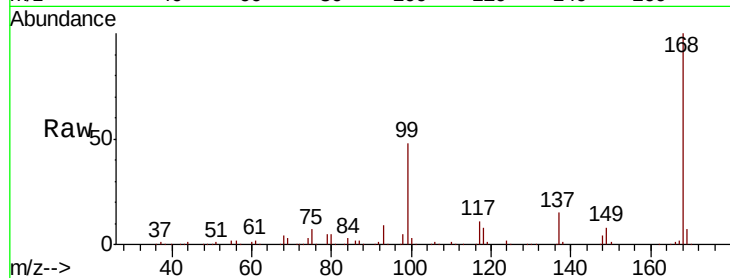




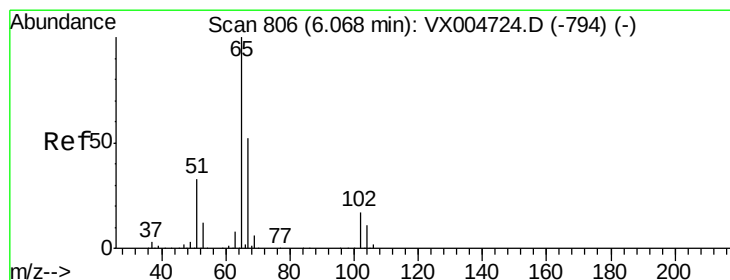
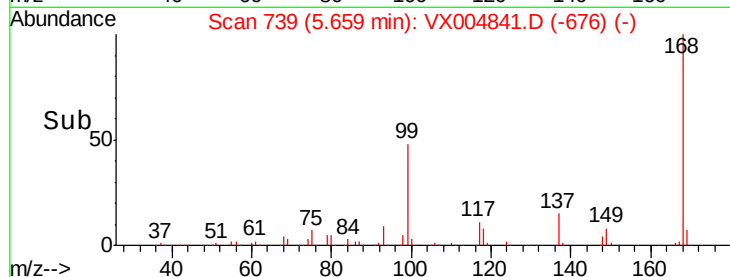
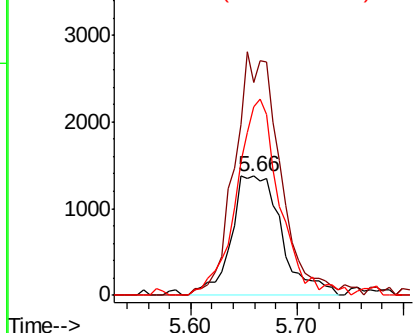
#31
Cyclohexane
Concen: 1.051 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-0913

Tot Ion: 56 Resp: 4567
Ion Ratio Lower Upper
56 100
69 178.6 25.4 38.2#
84 157.8 71.4 107.2#

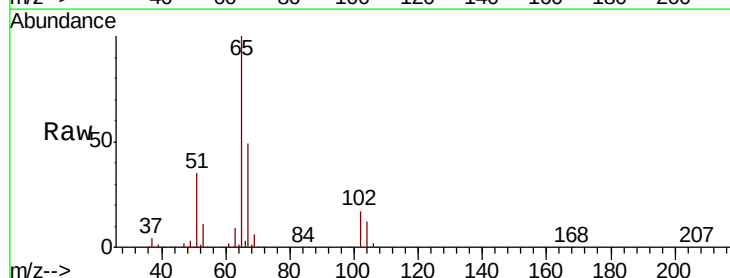


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

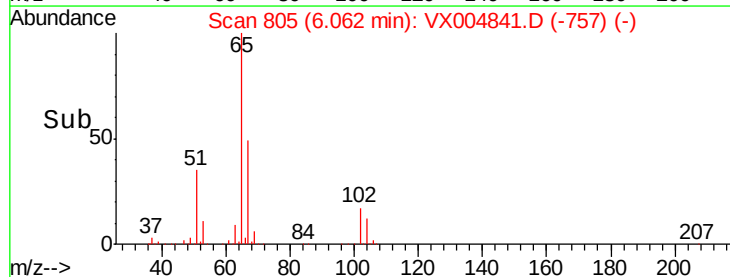
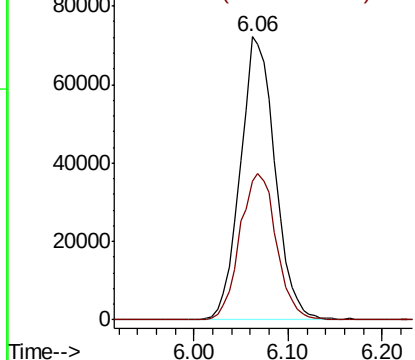


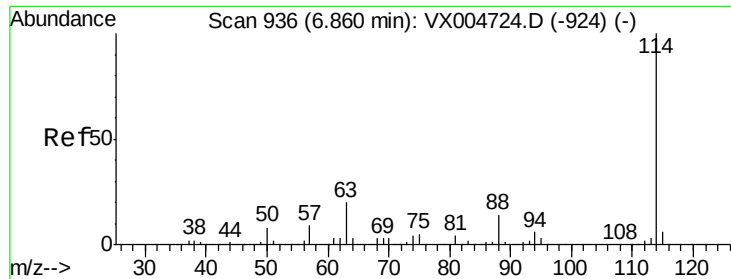
#33
1,2-Dichloroethane-d4
Concen: 54.554 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Tgt Ion: 65 Resp: 186314
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.8



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

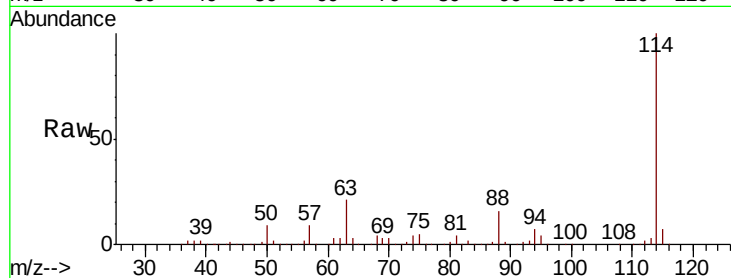




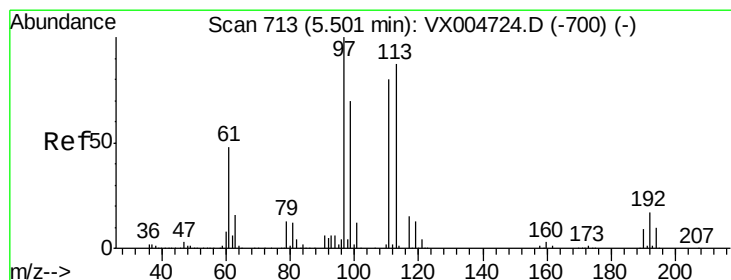
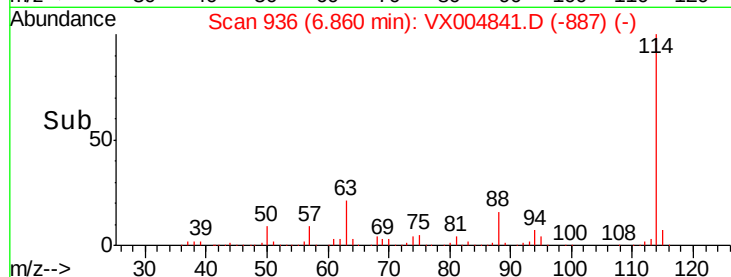
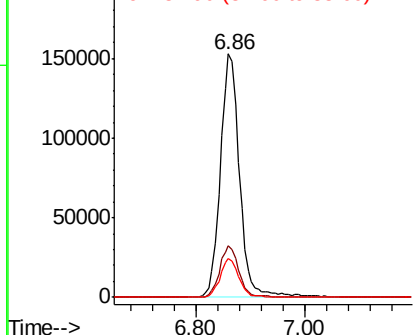
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004841.D
 Acq: 29 Sep 2018 00:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-0913

Tot Ion:114 Resp: 374804
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 15.9 0.0 30.4

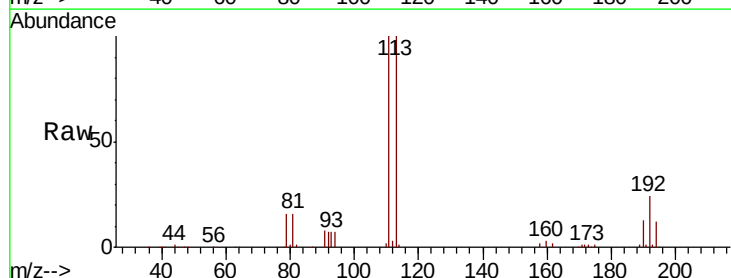


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

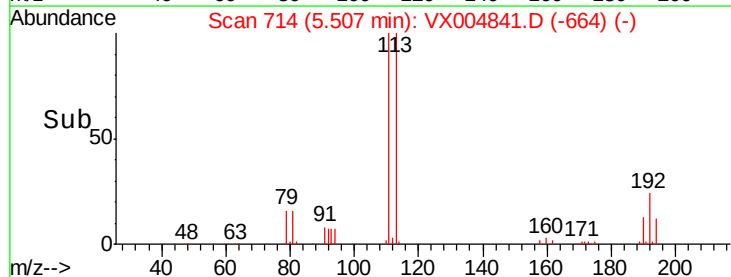
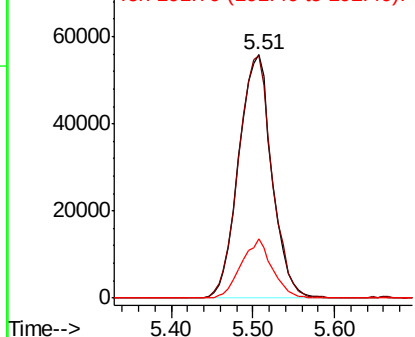


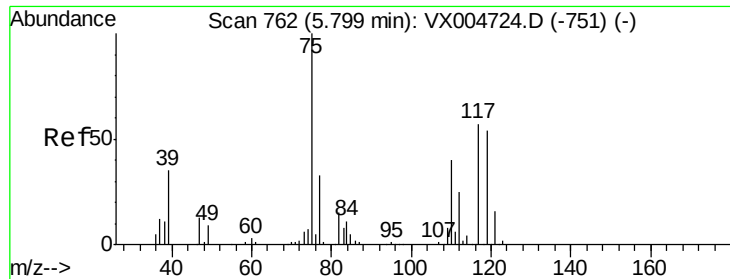
#35
 Dibromofluoromethane
 Concen: 49.670 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004841.D
 Acq: 29 Sep 2018 00:59

Tgt Ion:113 Resp: 157779
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 22.6 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

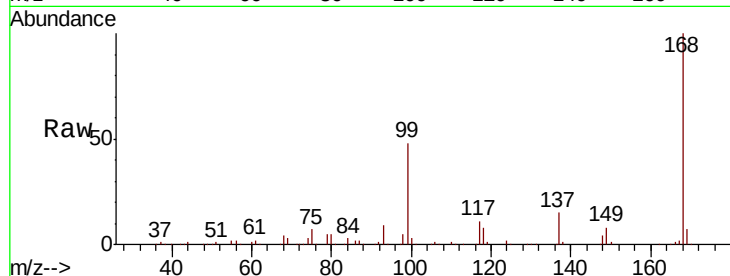




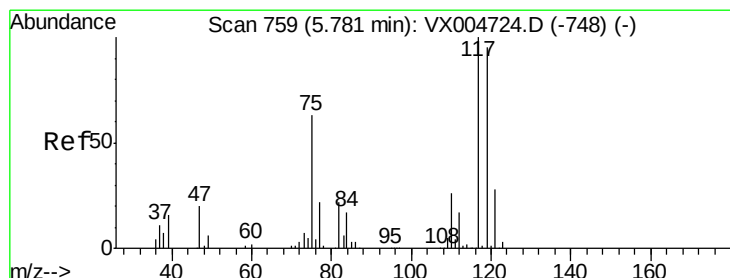
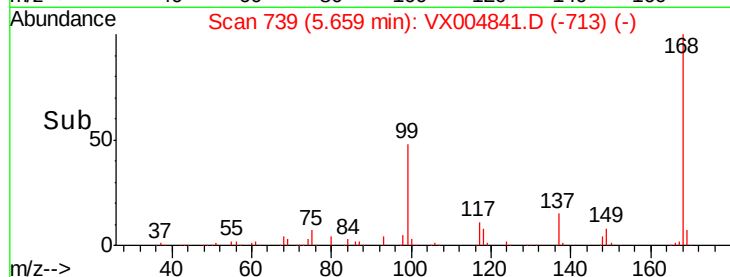
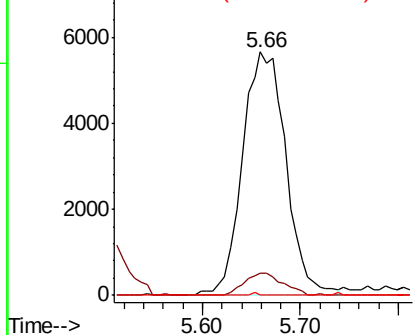
#36
 1,1-Dichloropropene
 Concen: 4.013 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004841.D
 Acq: 29 Sep 2018 00:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-0913

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.0	54.0#
77	0.1	24.6	36.8#

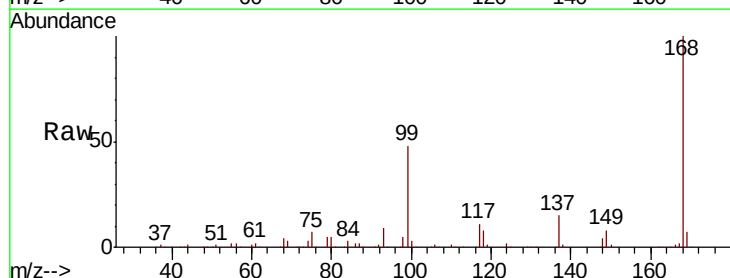


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

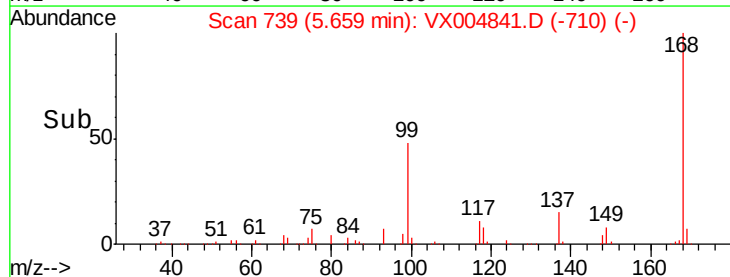
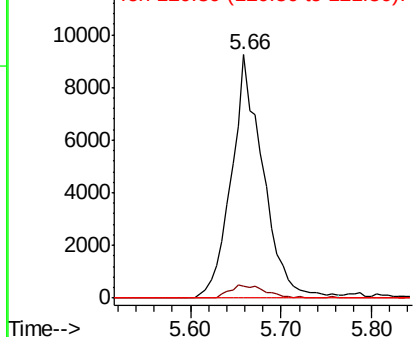


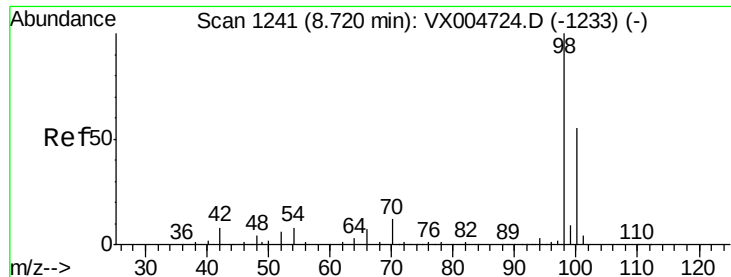
#38
 Carbon Tetrachloride
 Concen: 4.901 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004841.D
 Acq: 29 Sep 2018 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	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





#50

Toluene-d8

Concen: 51.295 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampleId :

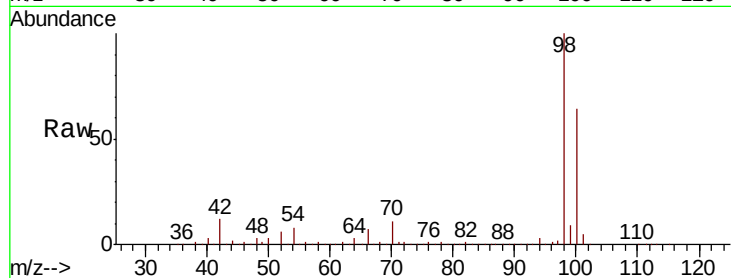
SA-TW504-0913

Tot Ion: 98 Resp: 541690

Ion Ratio Lower Upper

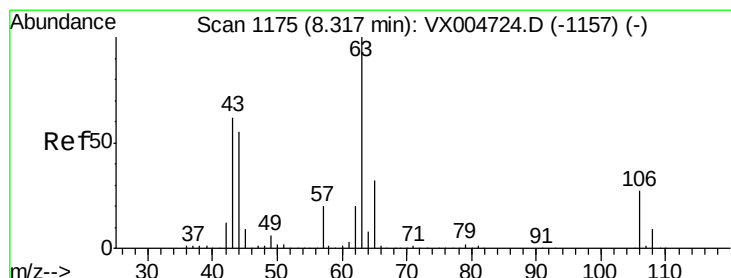
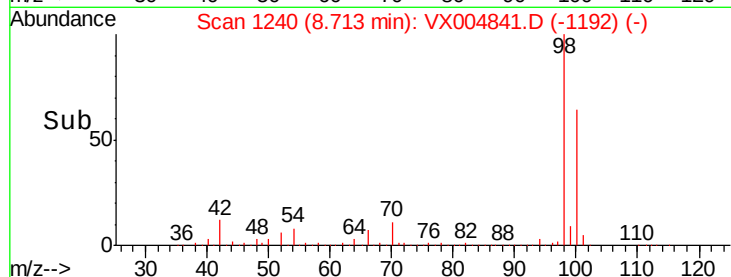
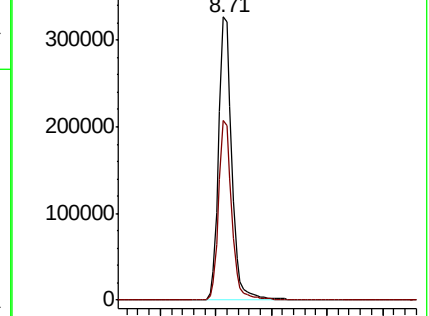
98 100

100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#58

2-Chloroethyl Vinyl ether

Concen: 14.248 ug/l

RT: 8.19 min Scan# 1154

Delta R.T. -0.13 min

Lab File: VX004841.D

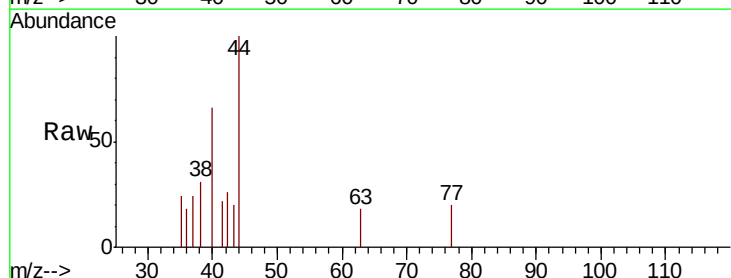
Acq: 29 Sep 2018 00:59

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

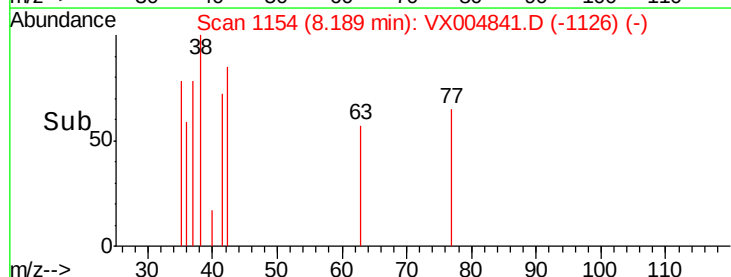
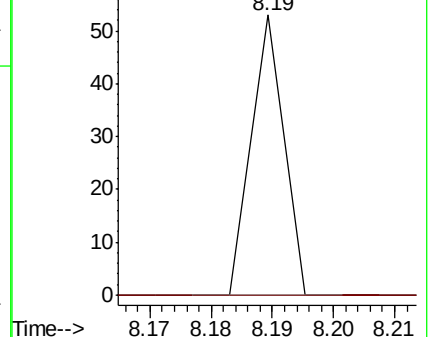
63 100

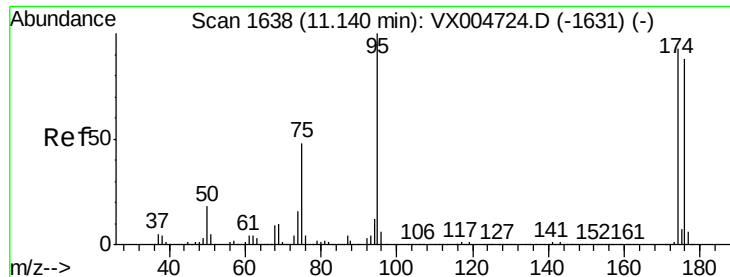
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

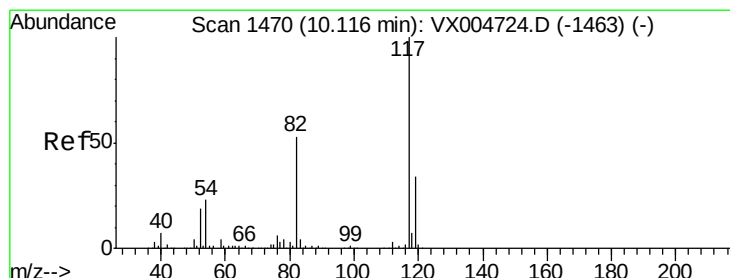
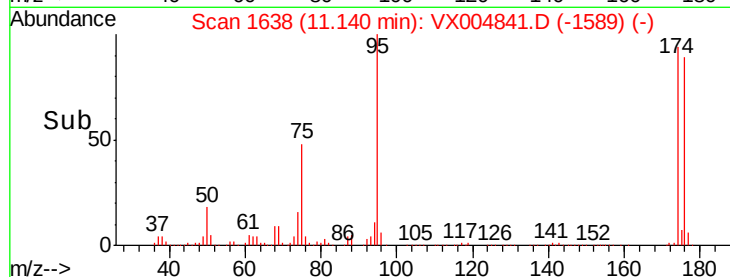
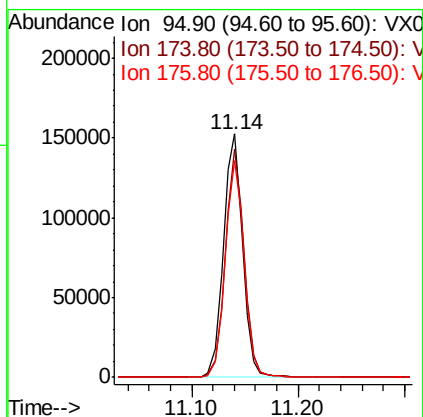
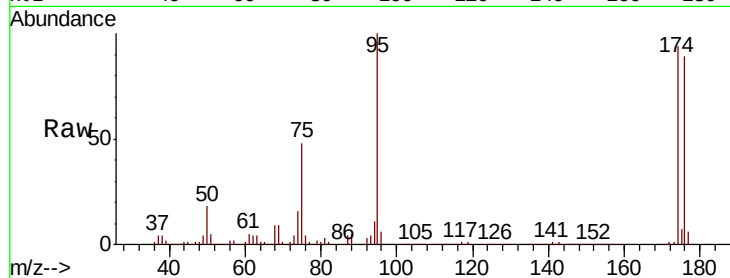




#62
4-Bromofluorobenzene
Concen: 50.604 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

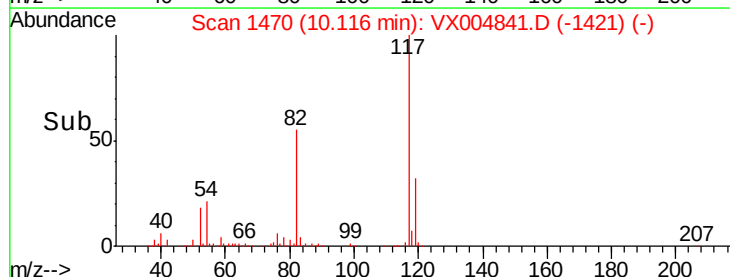
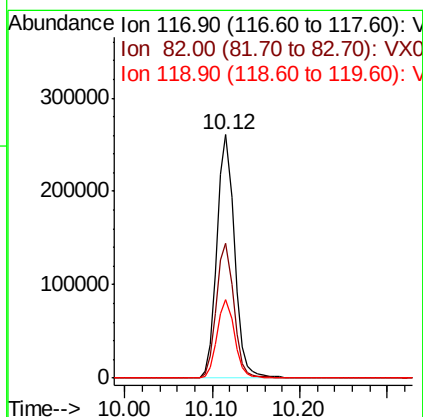
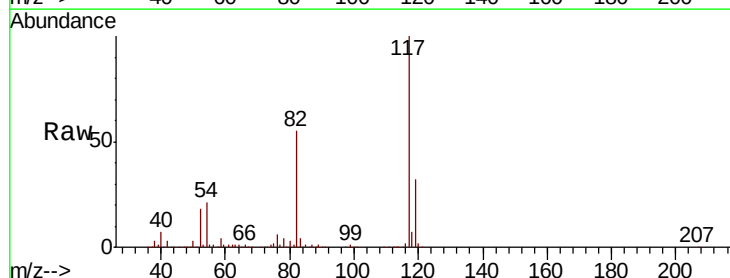
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-0913

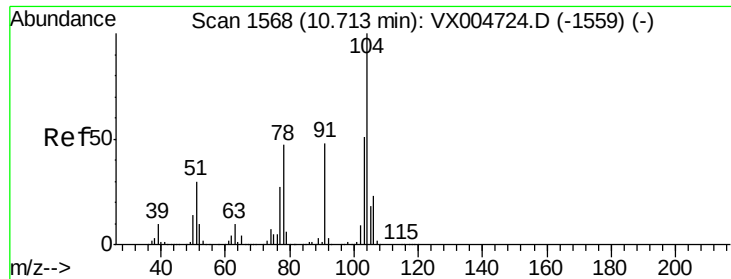
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	185.2
176	88.2	0.0	178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.8	71.6
119	32.3	29.3	43.9





#70

Stvrene

Concen: 2.150 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampled :

SA-TW504-0913

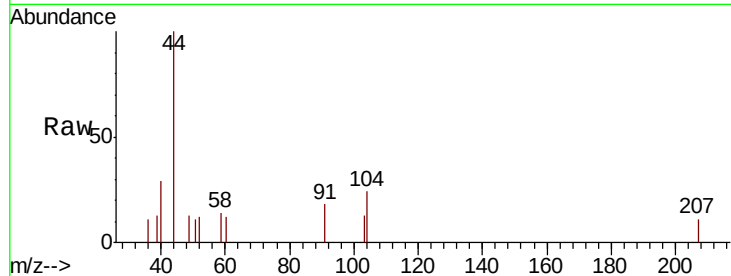
Tot Ion:104 Resp: 101

Ion Ratio Lower Upper

104 100

78 29.7 37.4 56.0#

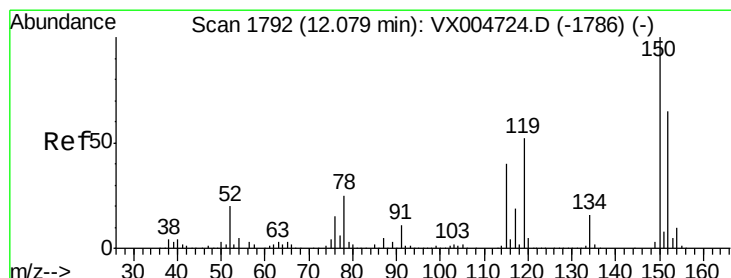
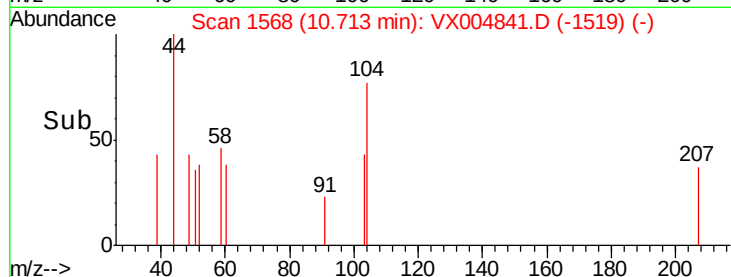
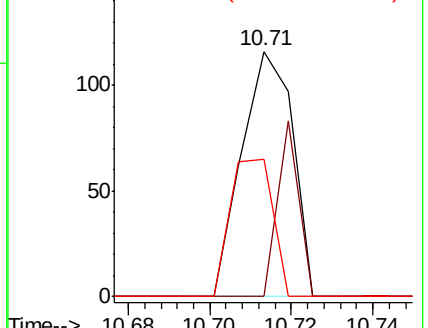
103 46.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX004841.D

Acq: 29 Sep 2018 00:59

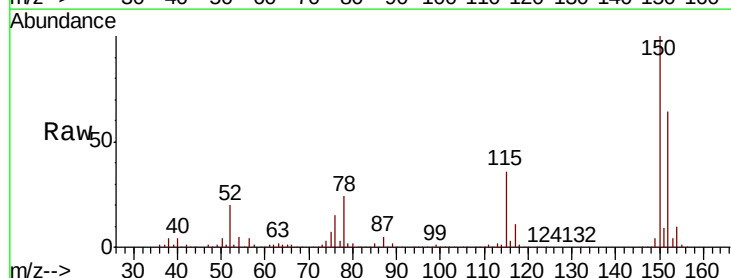
Tgt Ion:152 Resp: 197777

Ion Ratio Lower Upper

152 100

115 55.6 39.0 117.0

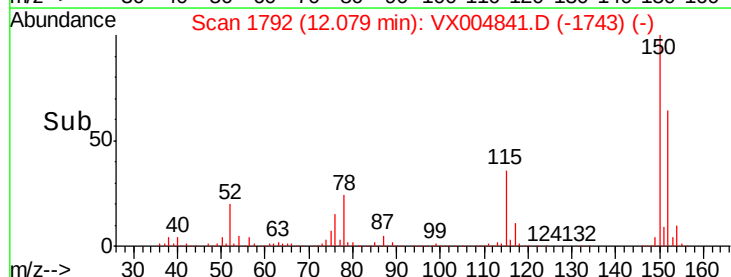
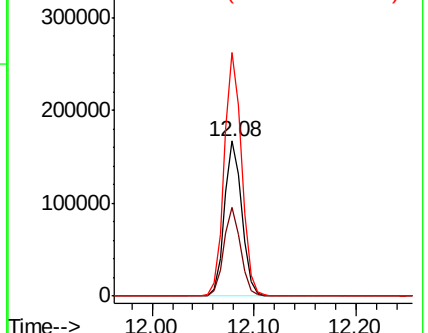
150 157.3 0.0 351.0

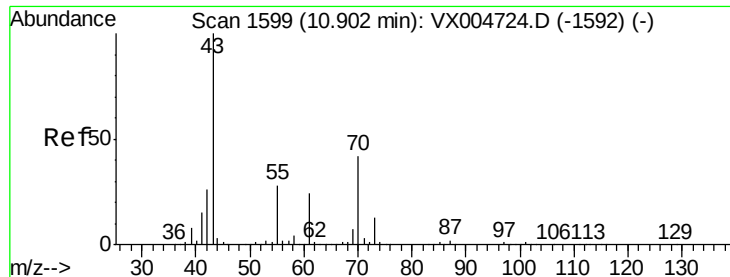


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.762 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004841.D

Acq: 29 Sep 2018 00:59

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-0913

Tot Ion: 43 Resp: 102

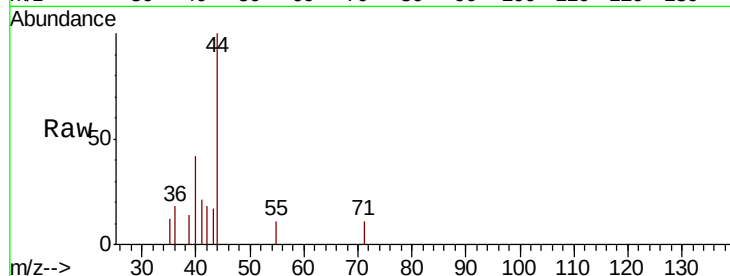
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 68.6 21.8 32.8#

61 0.0 20.6 30.8#

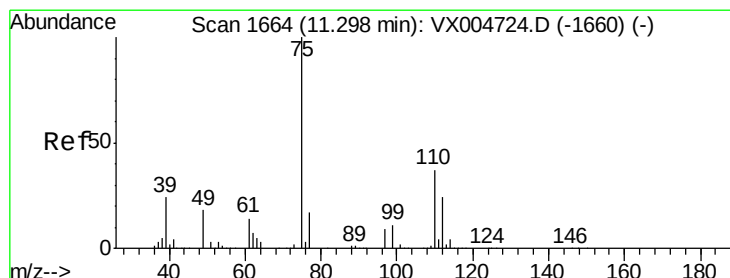
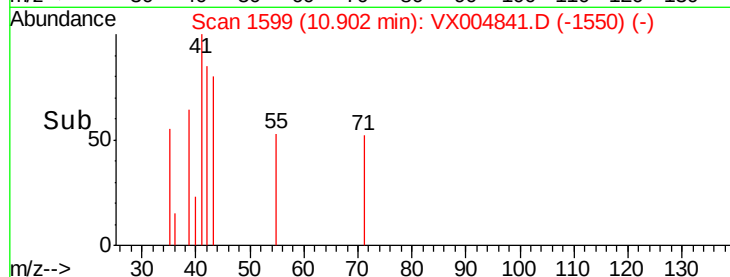
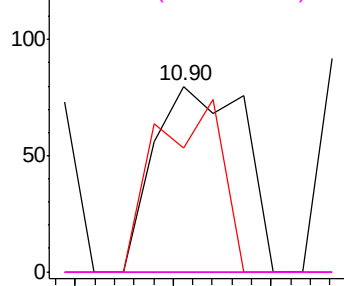


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.412 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004841.D

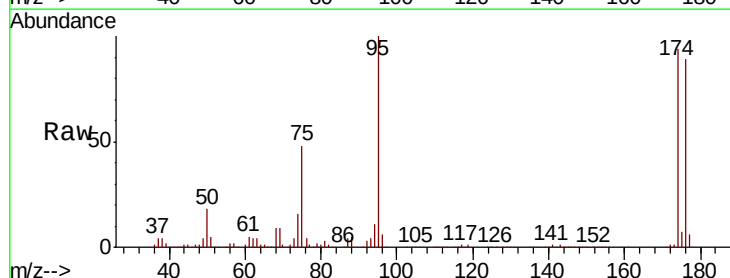
Acq: 29 Sep 2018 00:59

Tgt Ion: 75 Resp: 94917

Ion Ratio Lower Upper

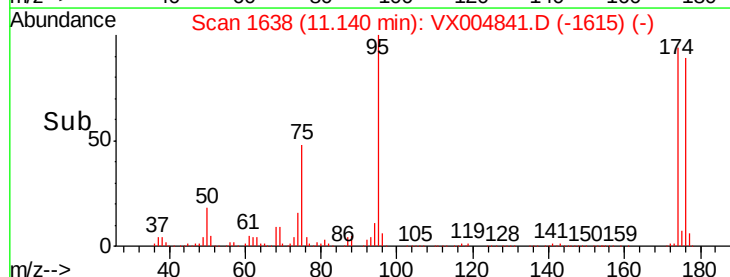
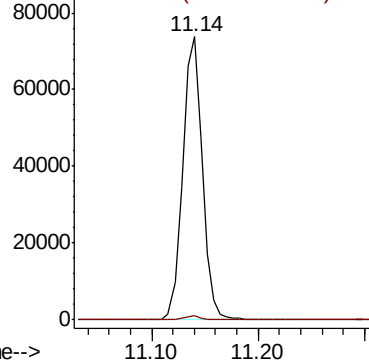
75 100

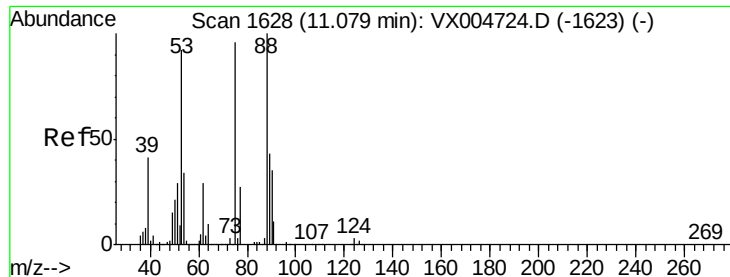
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

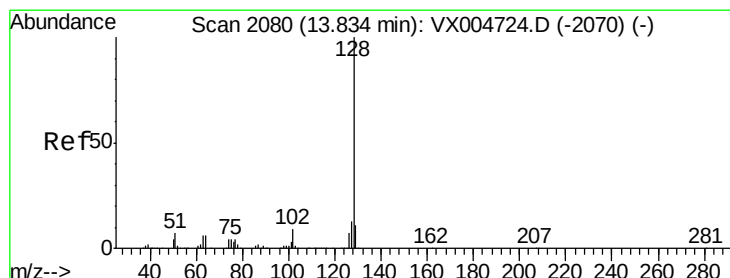
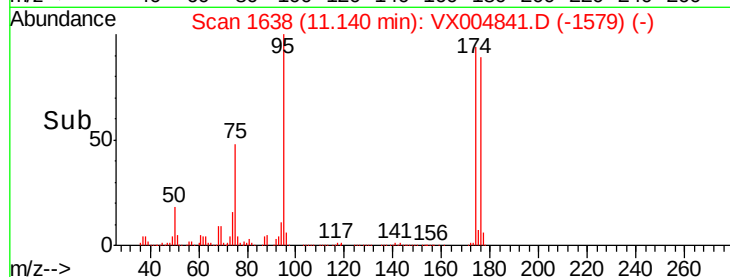
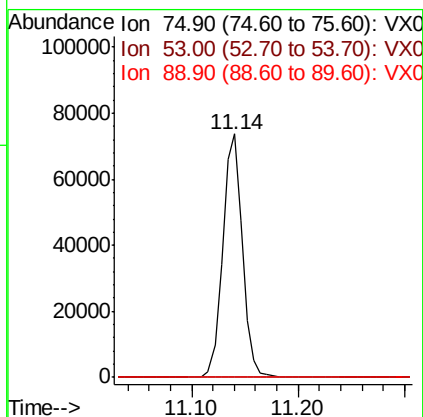
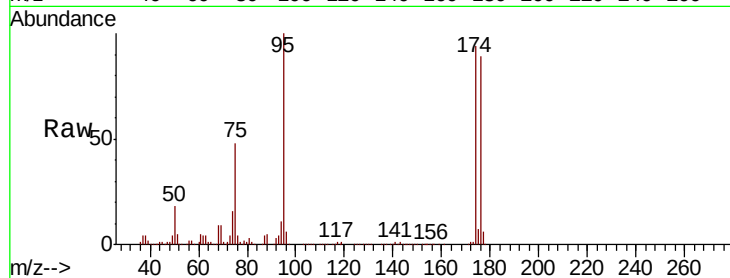




#81
trans-1,4-Dichloro-2-butene
Concen: 58.065 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-0913

Tot Ion: 75 Resp: 94917
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.748 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX004841.D
Acq: 29 Sep 2018 00:59

Tgt Ion: 128 Resp: 473
Ion Ratio Lower Upper
128 100
127 7.2 10.2 15.2#
129 0.0 8.6 12.8#

