

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004843.D
 Acq On : 29 Sep 2018 01:52
 Operator : JC/MD
 Sample : J5134-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-3438

Quant Time: Sep 29 06:37:43 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

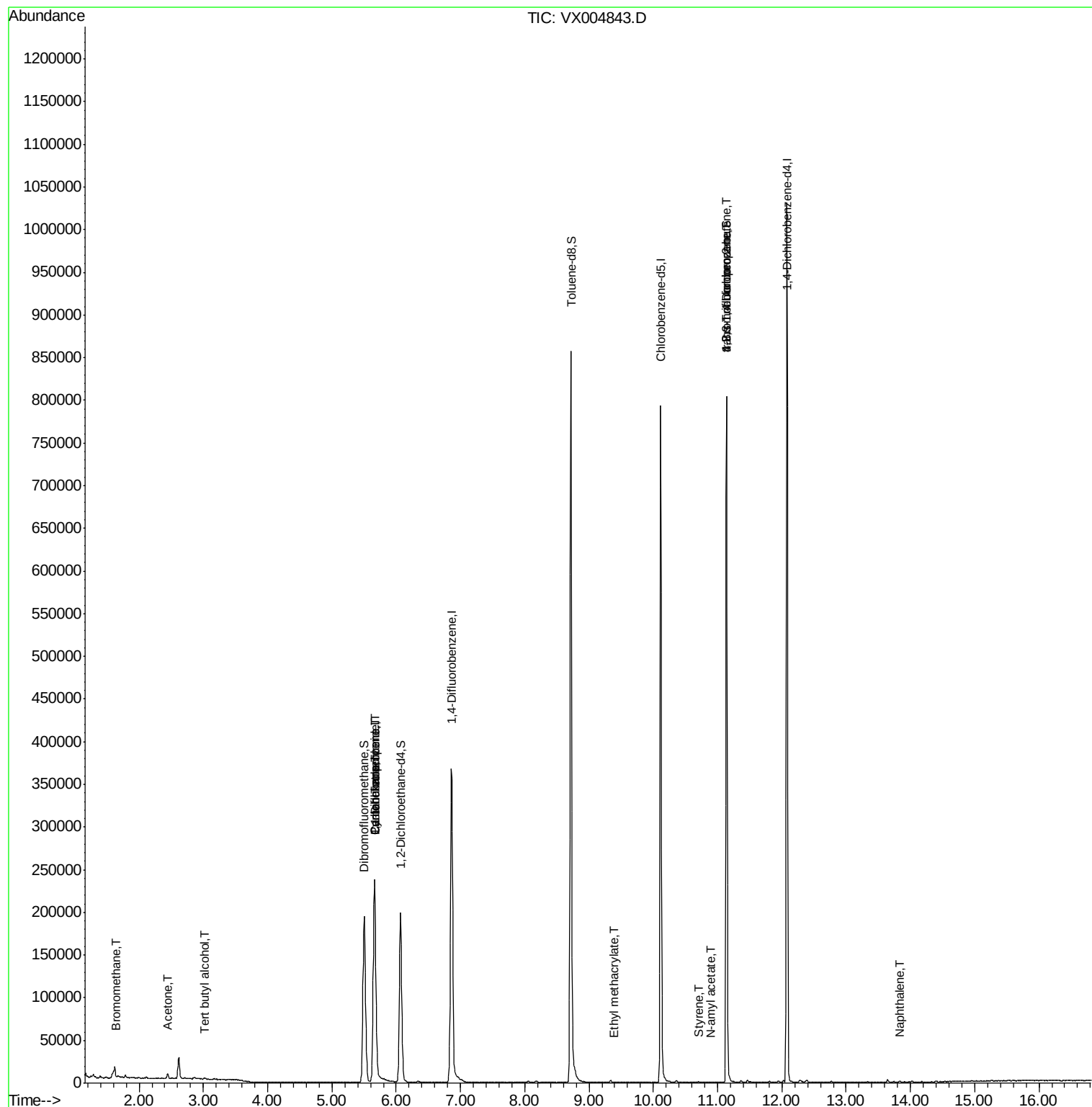
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216410	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	187763	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
35) Dibromofluoromethane	5.50	113	165788	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
50) Toluene-d8	8.72	98	563663	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	205560	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
Target Compounds				Qvalue		
5) Bromomethane	1.64	94	522	0.223	ug/l #	79
6) Chloroethane	1.76	64	853	Below Cal	#	67
11) Tert butyl alcohol	3.02	59	1020	1.002	ug/l #	85
16) Acetone	2.45	43	5720	2.692	ug/l	93
20) Methylene Chloride	2.86	84	894	Below Cal	#	73
31) Cyclohexane	5.67	56	4497	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17367	3.911	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21653	4.639	ug/l #	15
56) Ethyl methacrylate	9.38	69	41	2.869	ug/l #	5
70) Styrene	10.71	104	57	2.146	ug/l #	62
74) N-amyl acetate	10.90	43	98	1.760	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	102417	21.115	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	275	Below Cal		91
81) trans-1,4-Dichloro-2-buten	11.14	75	102417	57.286	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	652	Below Cal		99
95) Naphthalene	13.83	128	656	0.755	ug/l #	80

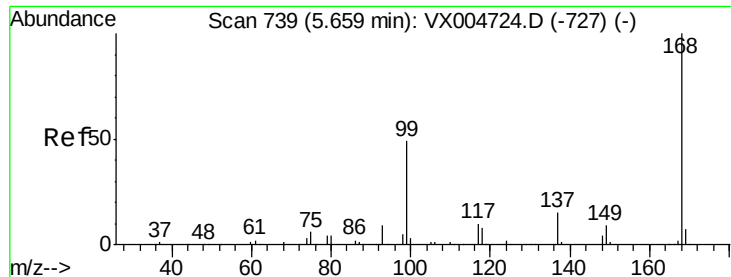
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

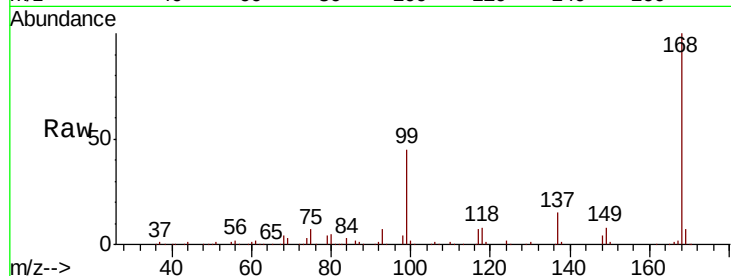
SA-TW504-3438

Tot Ion:168 Resp: 254815

Ion Ratio Lower Upper

168 100

99 45.0 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

100000

80000

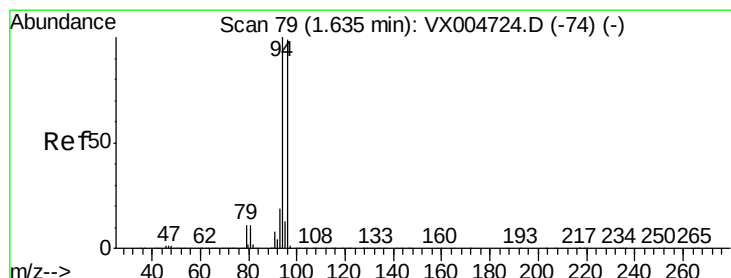
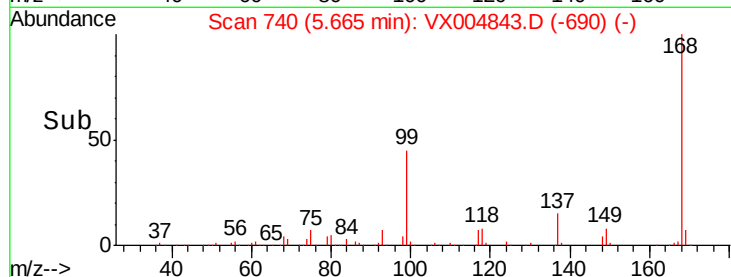
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004843.D

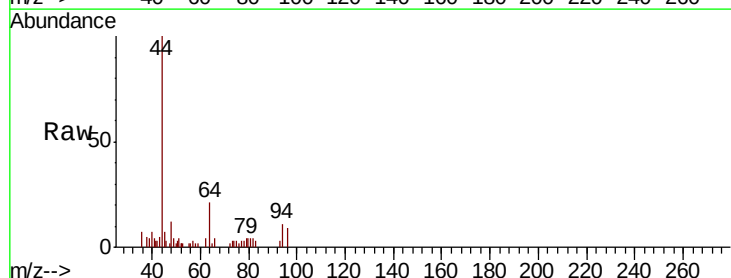
Acq: 29 Sep 2018 01:52

Tgt Ion: 94 Resp: 522

Ion Ratio Lower Upper

94 100

96 113.0 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

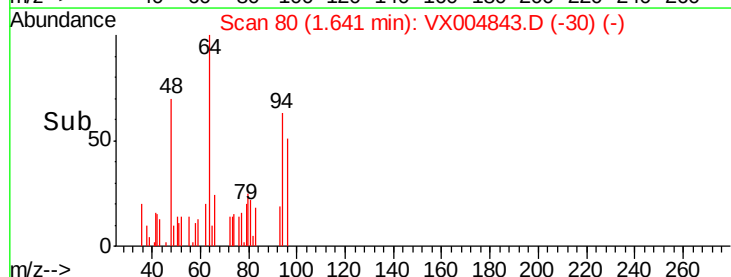
300

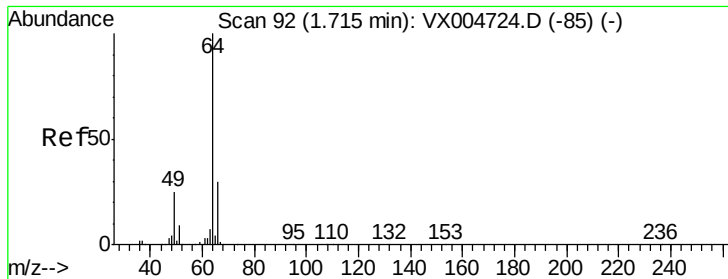
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

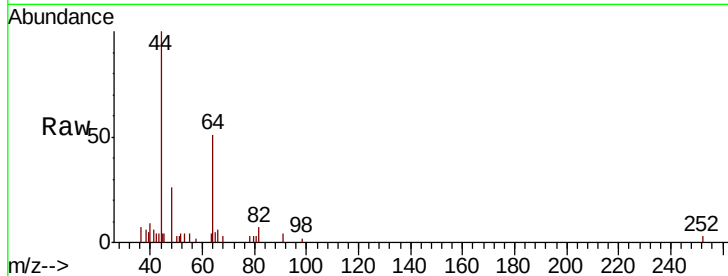
SA-TW504-3438

Tot Ion: 64 Resp: 853

Ion Ratio Lower Upper

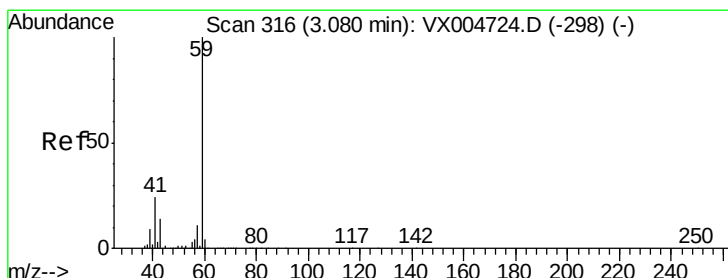
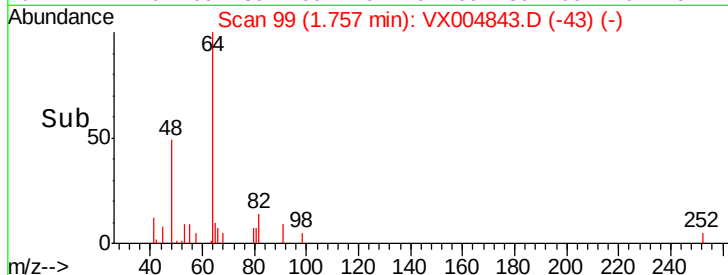
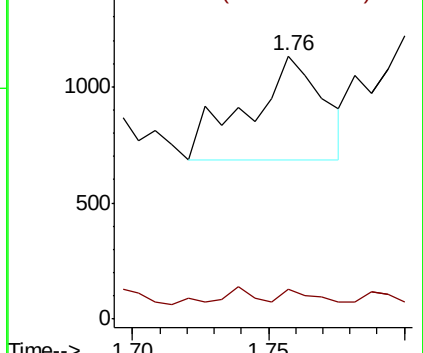
64 100

66 12.5 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: 1.002 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004843.D

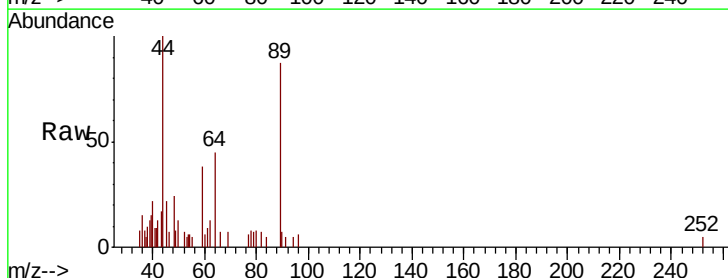
Acq: 29 Sep 2018 01:52

Tgt Ion: 59 Resp: 1020

Ion Ratio Lower Upper

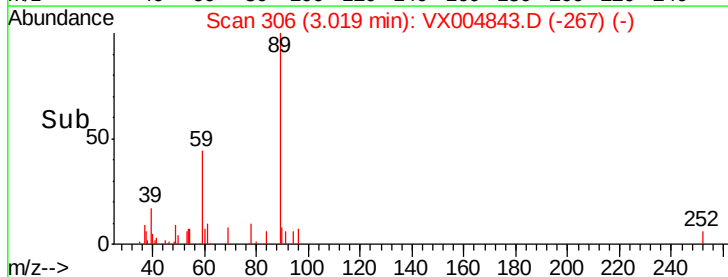
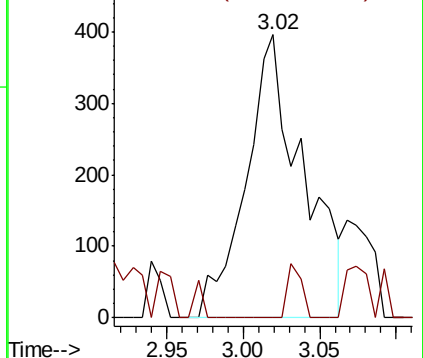
59 100

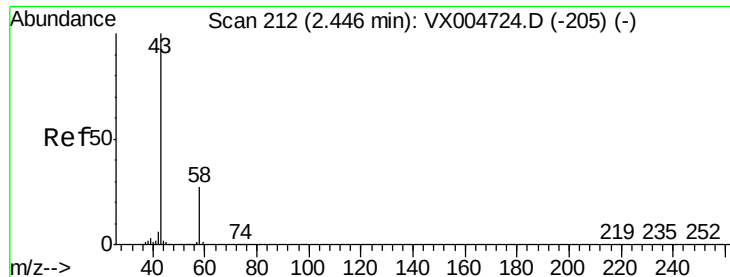
57 4.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.692 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

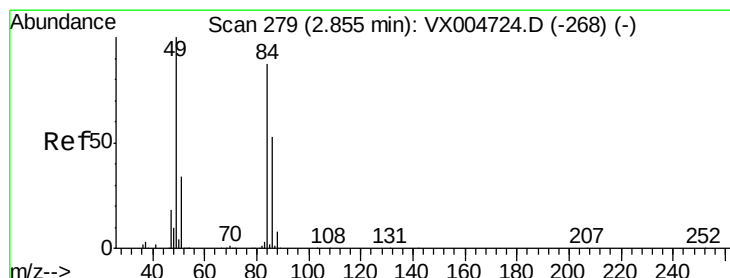
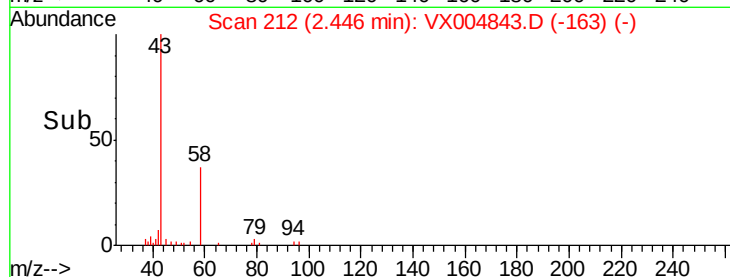
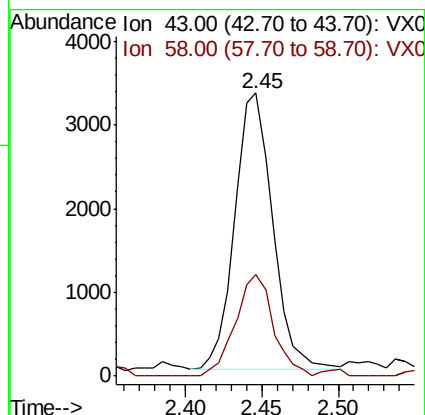
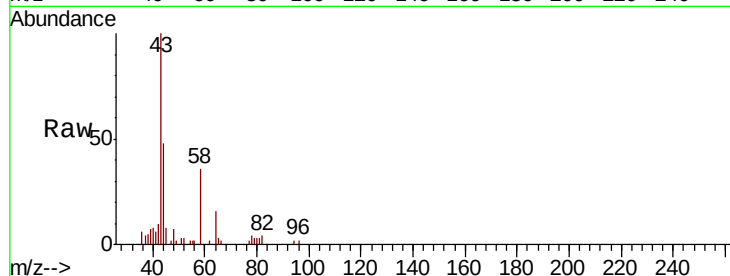
SA-TW504-3438

Tot Ion: 43 Resp: 5720

Ion Ratio Lower Upper

43 100

58 37.0 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Tgt Ion: 84 Resp: 894

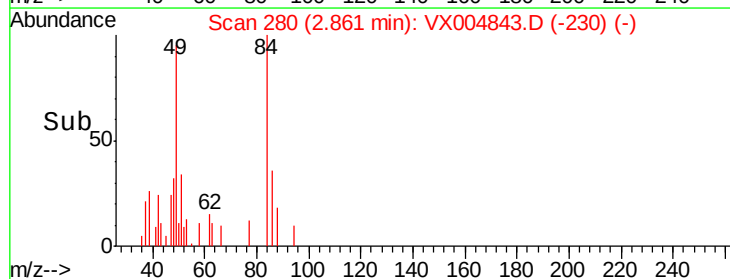
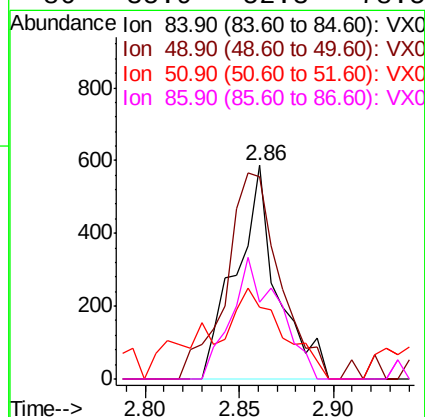
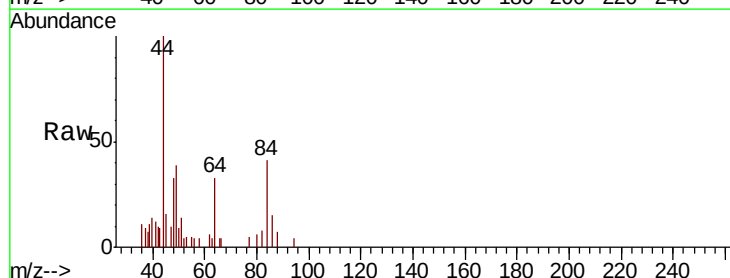
Ion Ratio Lower Upper

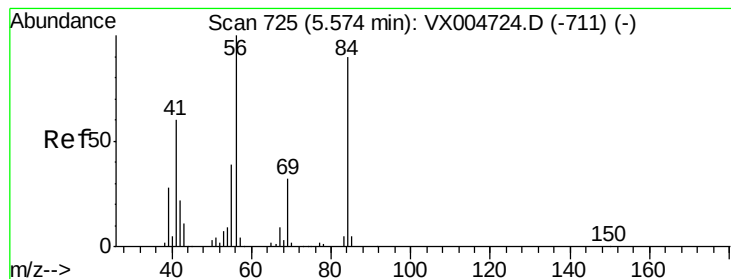
84 100

49 94.5 101.2 151.8#

51 33.6 29.5 44.3

86 35.9 52.3 78.5#





#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-3438

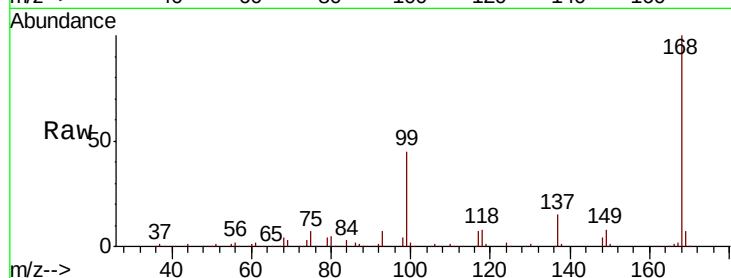
Tot Ion: 56 Resp: 4497

Ion Ratio Lower Upper

56 100

69 186.5 25.4 38.2#

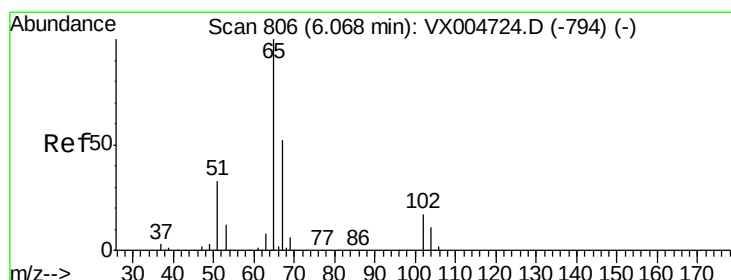
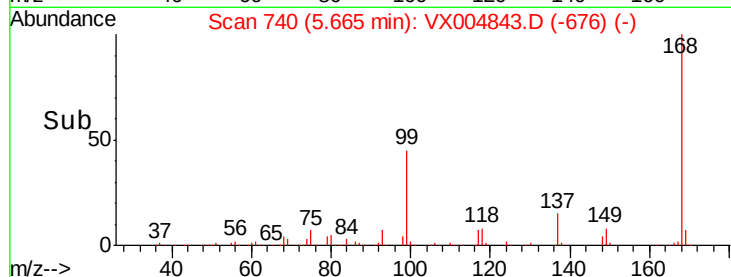
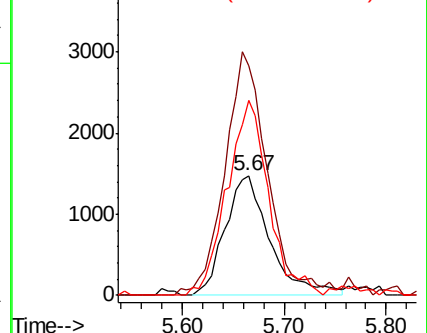
84 157.3 71.4 107.2#



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: 51.583 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004843.D

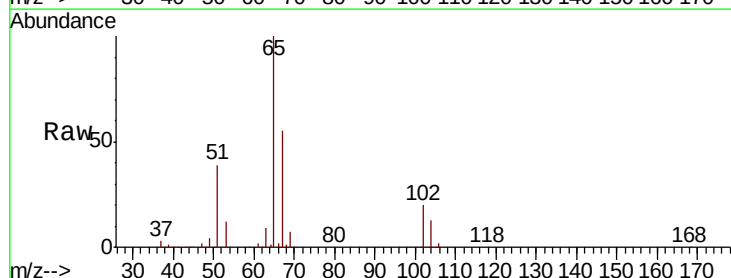
Acq: 29 Sep 2018 01:52

Tgt Ion: 65 Resp: 187763

Ion Ratio Lower Upper

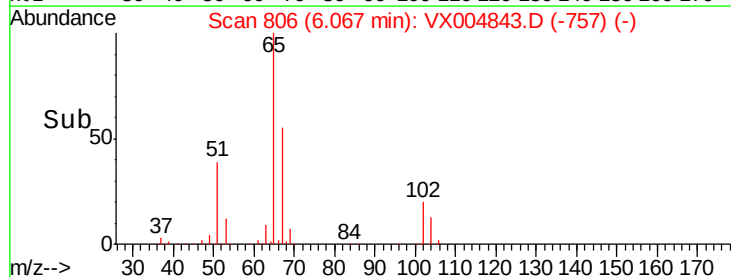
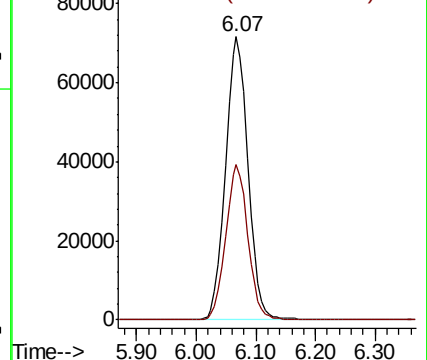
65 100

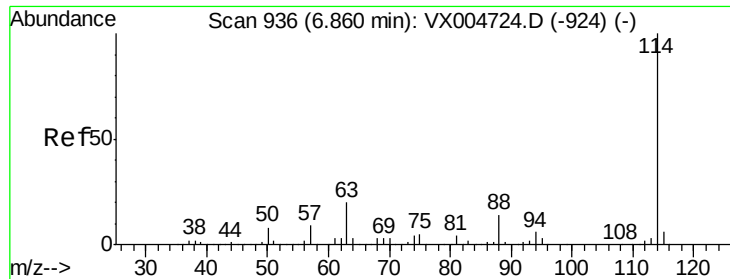
67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

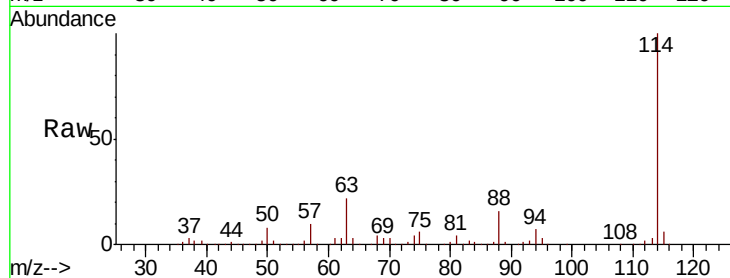




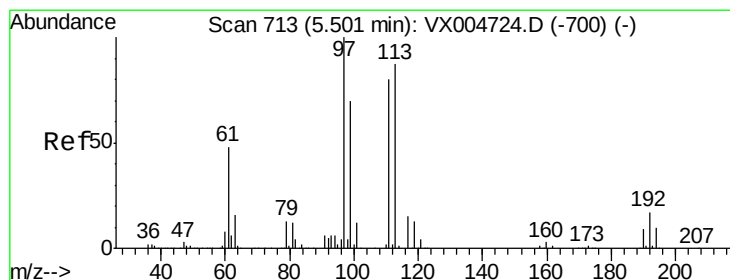
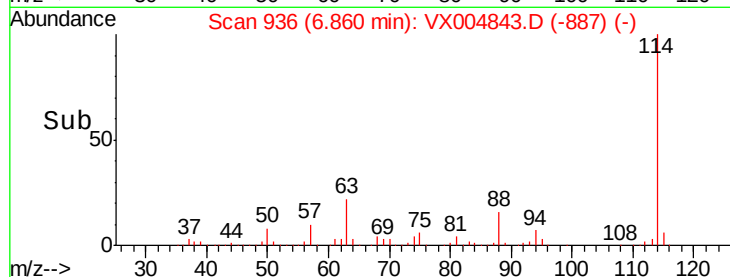
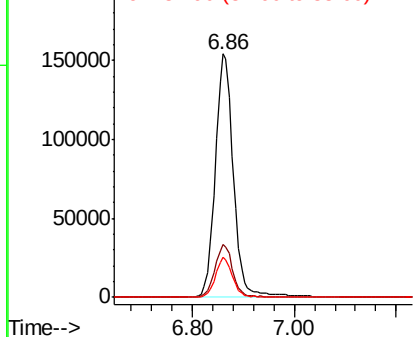
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-3438

Tot Ion:114 Resp: 383980
Ion Ratio Lower Upper
114 100
63 21.8 0.0 39.0
88 16.3 0.0 30.4

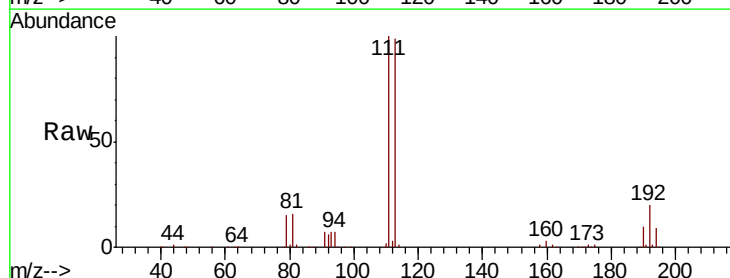


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

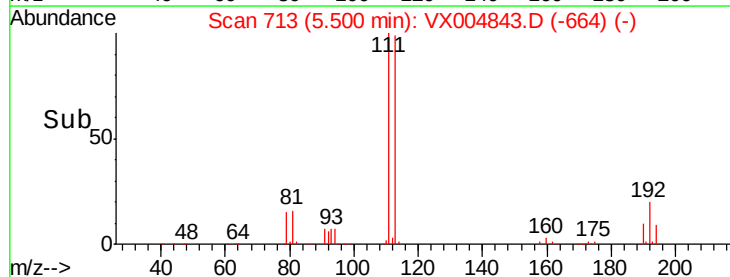
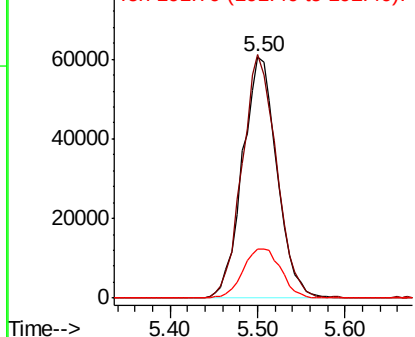


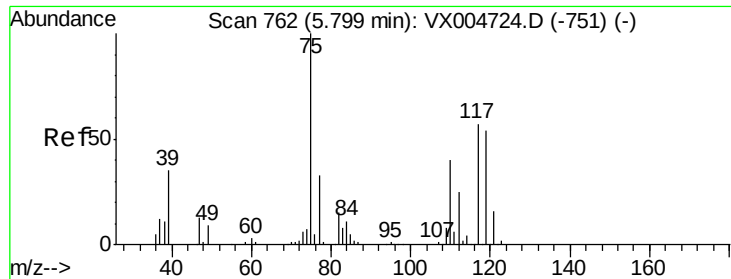
#35
Dibromofluoromethane
Concen: 50.945 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Tgt Ion:113 Resp: 165788
Ion Ratio Lower Upper
113 100
111 101.0 82.4 123.6
192 22.7 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

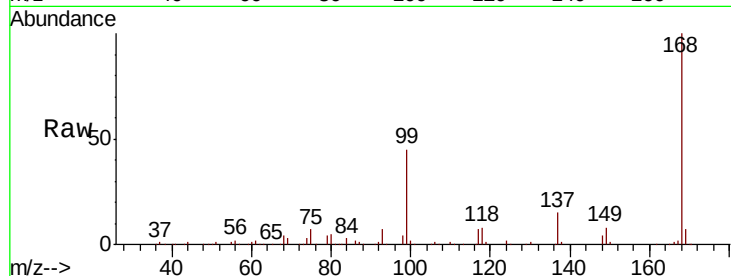




#36
 1,1-Dichloropropene
 Concen: 3.911 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004843.D
 Acq: 29 Sep 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW504-3438

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.0	54.0#
77	0.0	24.6	36.8#

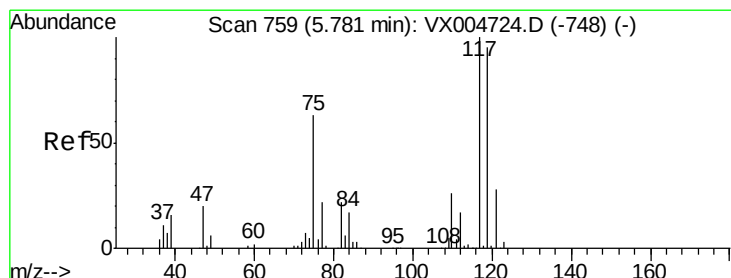
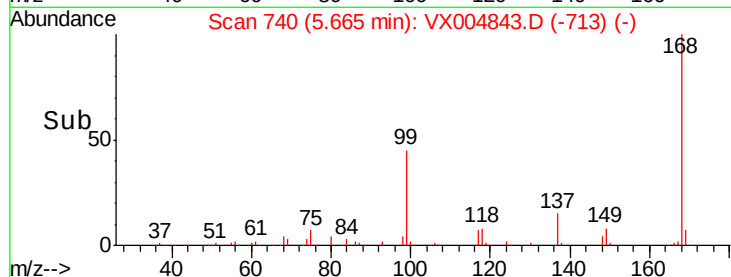
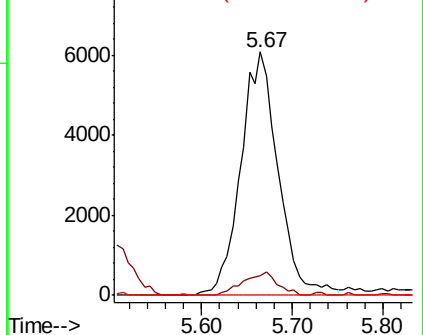


Abundance

Ion 74.90 (74.60 to 75.60): VX0

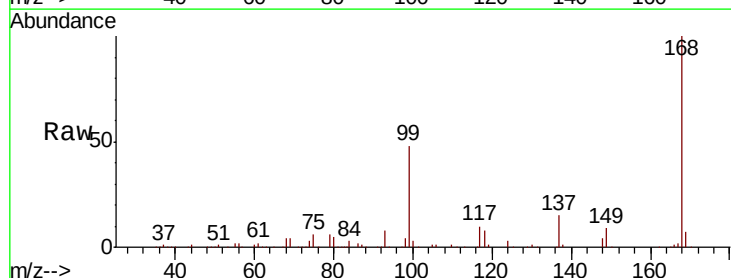
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 4.639 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004843.D
 Acq: 29 Sep 2018 01:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.8	118.2#
121	0.0	24.9	37.3#

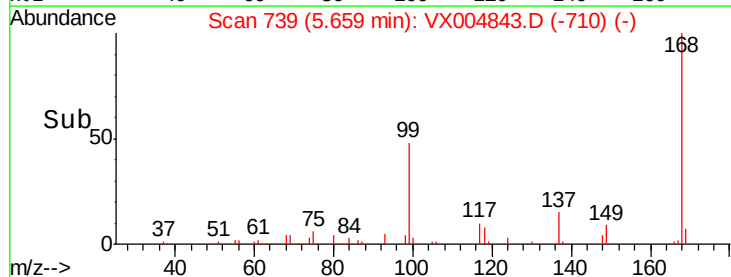
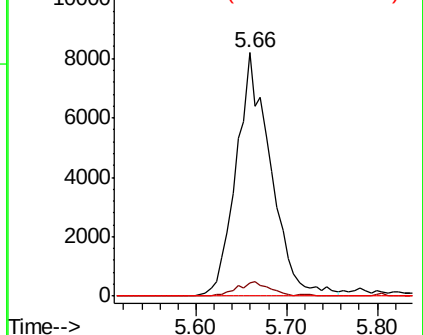


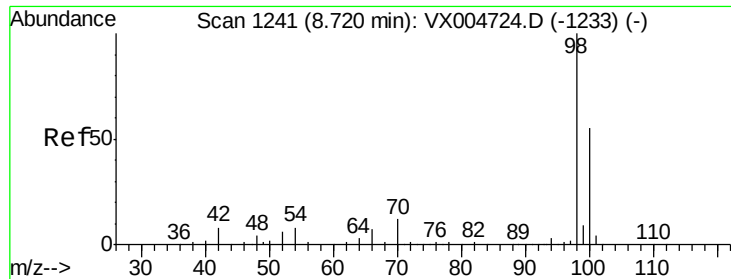
Abundance

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

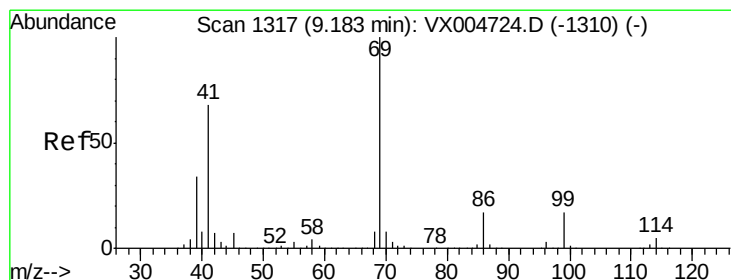
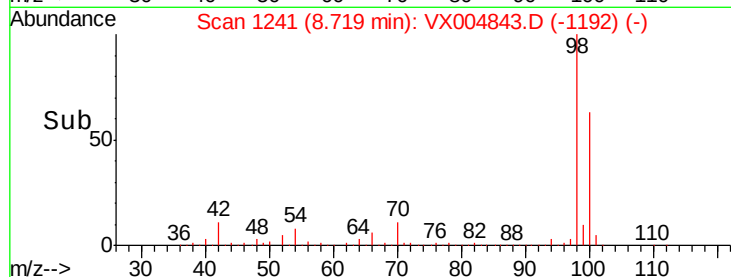
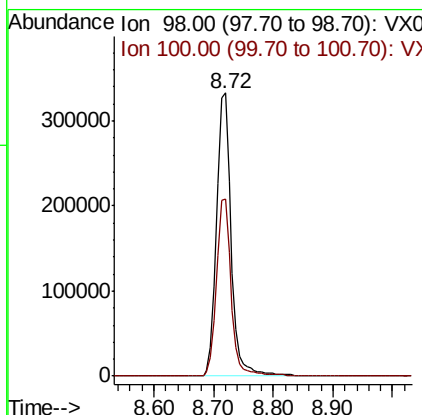
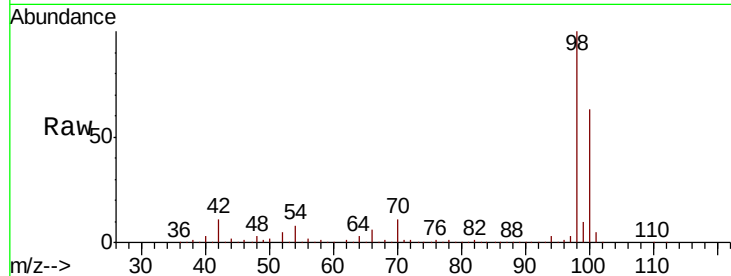




#50
Toluene-d8
Concen: 52.100 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

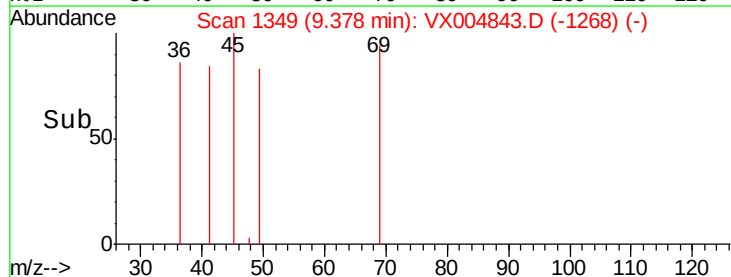
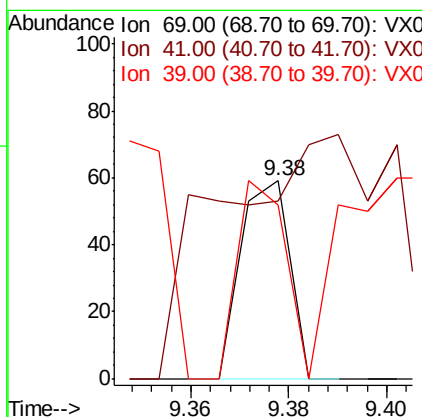
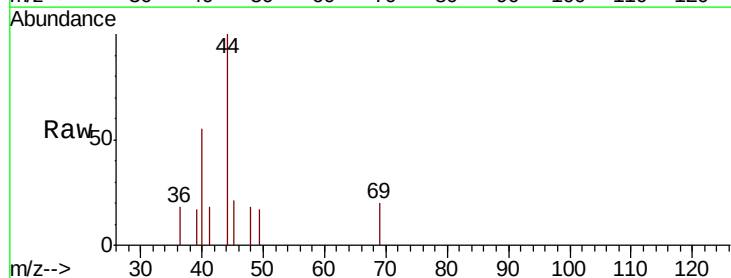
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-3438

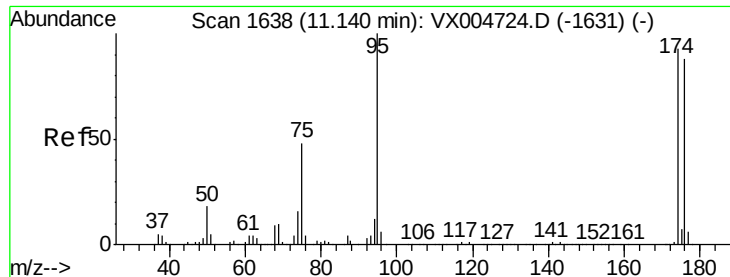
Tot Ion: 98 Resp: 563663
Ion Ratio Lower Upper
98 100
100 63.0 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.869 ug/l
RT: 9.38 min Scan# 1349
Delta R.T. 0.20 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Tgt Ion: 69 Resp: 41
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 100.0 26.1 39.1#

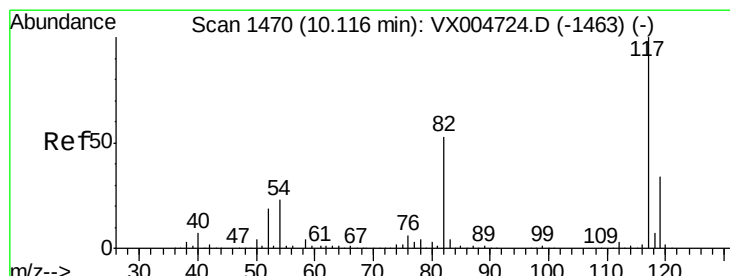
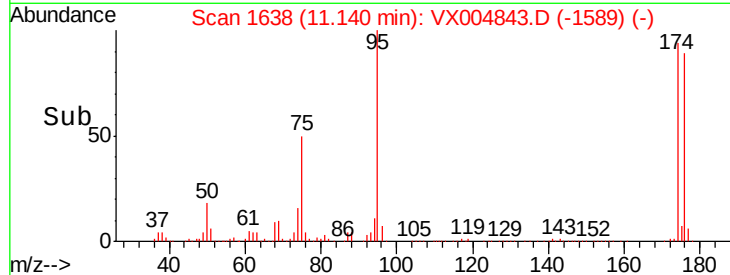
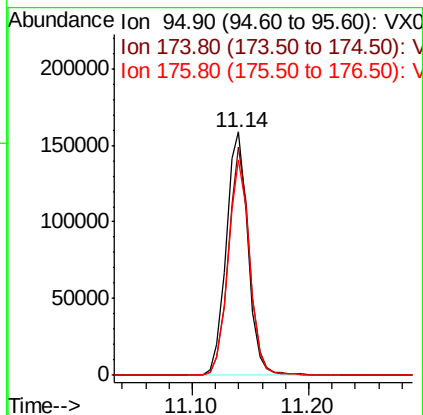
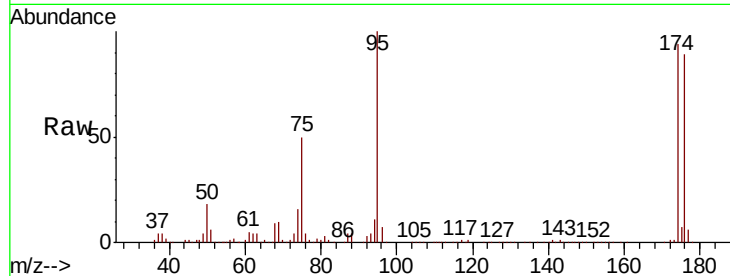




#62
4-Bromofluorobenzene
Concen: 52.741 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

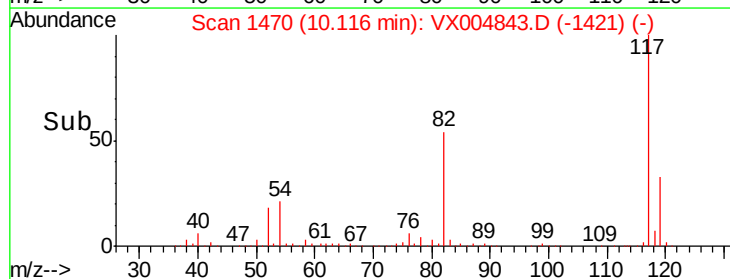
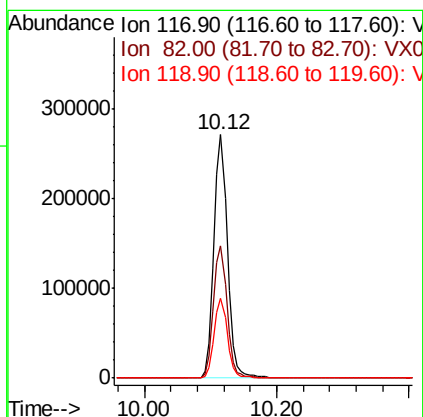
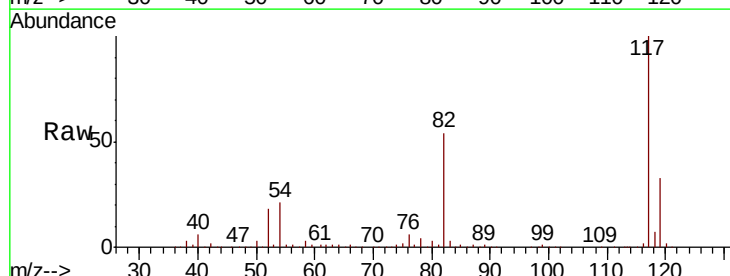
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-3438

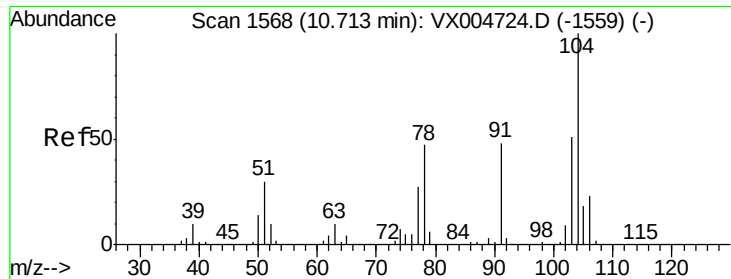
Tot Ion: 95 Resp: 205560
Ion Ratio Lower Upper
95 100
174 91.1 0.0 185.2
176 87.6 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Tgt Ion: 117 Resp: 381397
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.6
119 32.8 29.3 43.9

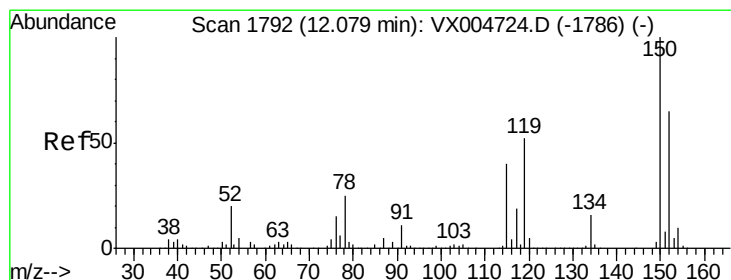
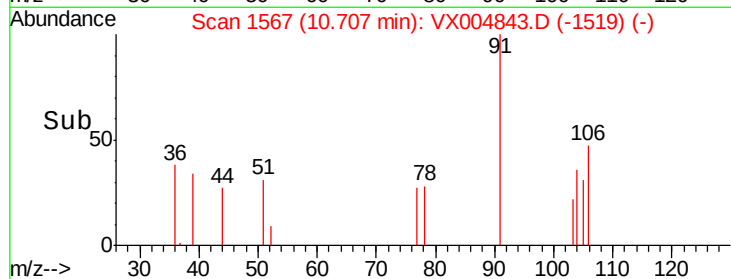
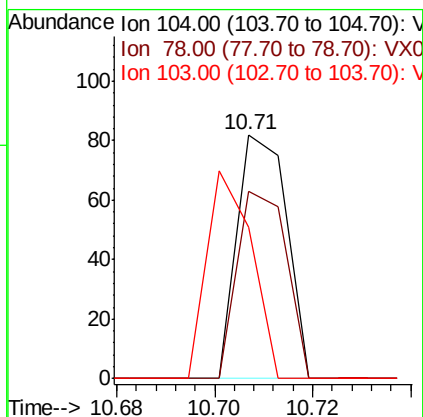
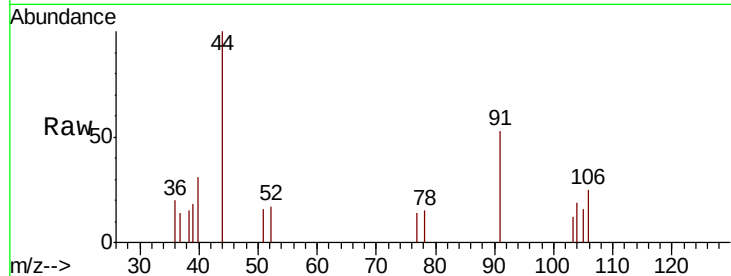




#70
Stvrene
Concen: 2.146 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

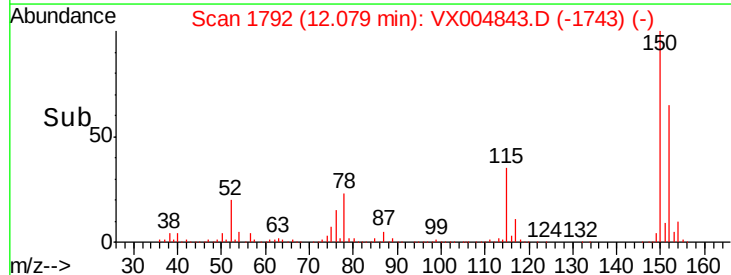
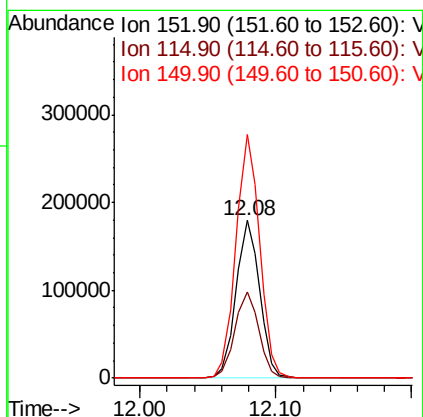
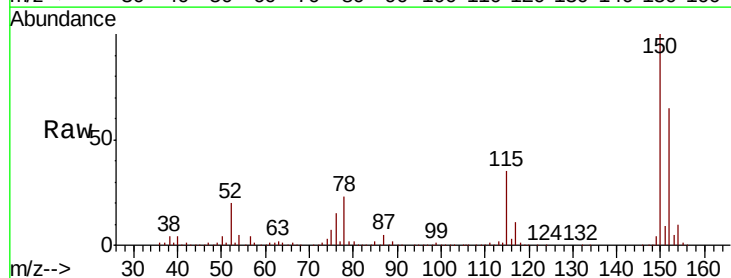
Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-3438

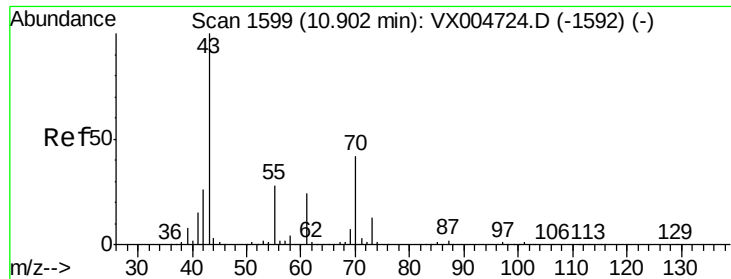
Tot Ion:104 Resp: 57
Ion Ratio Lower Upper
104 100
78 77.2 37.4 56.0#
103 77.2 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Tgt Ion:152 Resp: 216410
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 155.7 0.0 351.0





#74

N-amvl acetate

Concen: 1.760 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004843.D

Acq: 29 Sep 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

SA-TW504-3438

Tot Ion: 43 Resp: 98

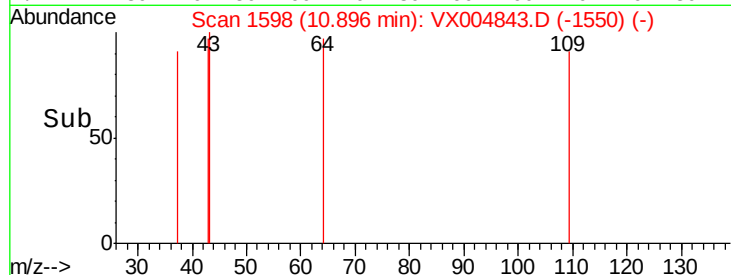
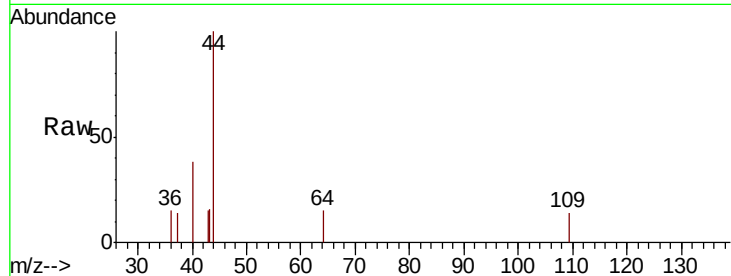
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

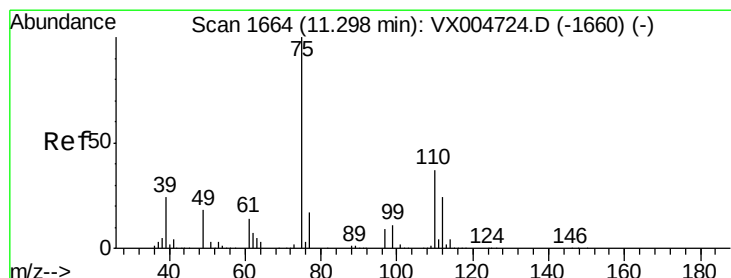
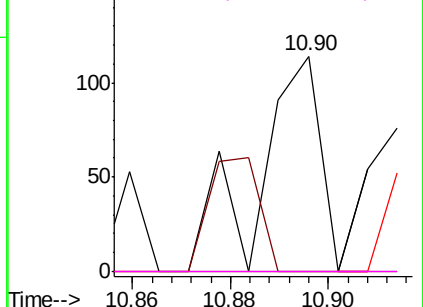


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.115 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004843.D

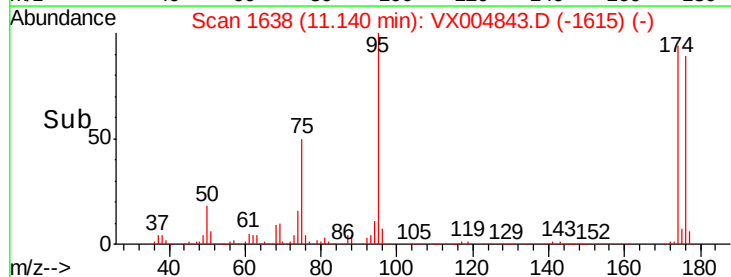
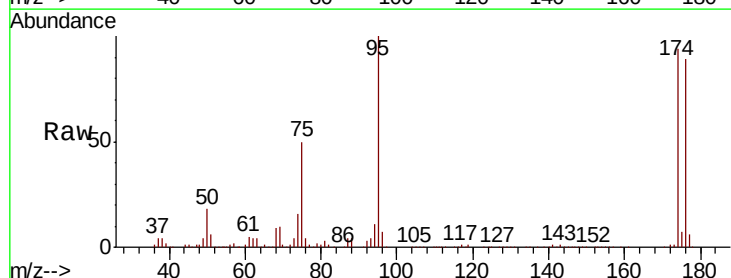
Acq: 29 Sep 2018 01:52

Tgt Ion: 75 Resp: 102417

Ion Ratio Lower Upper

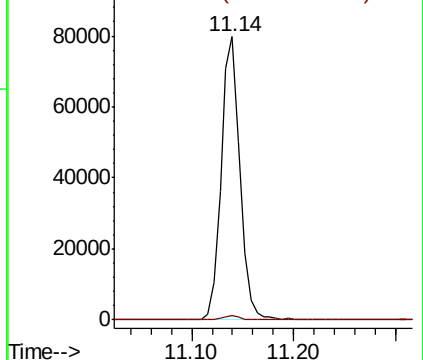
75 100

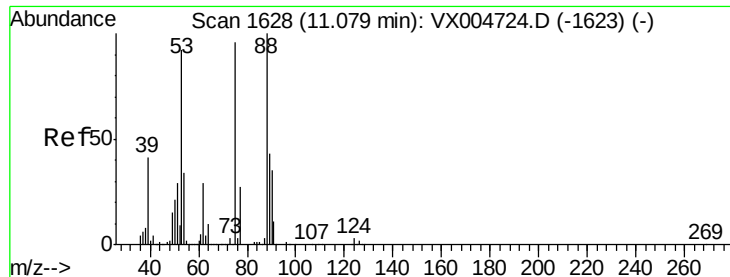
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

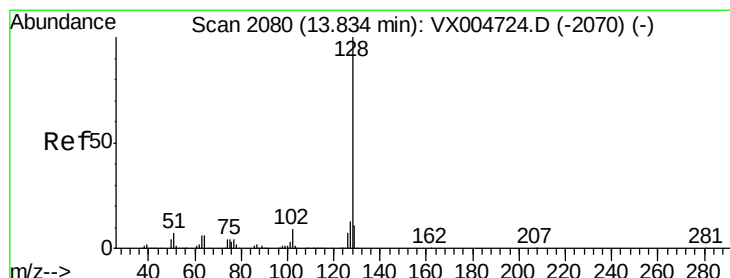
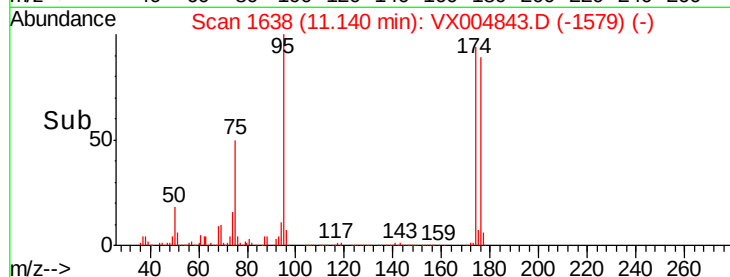
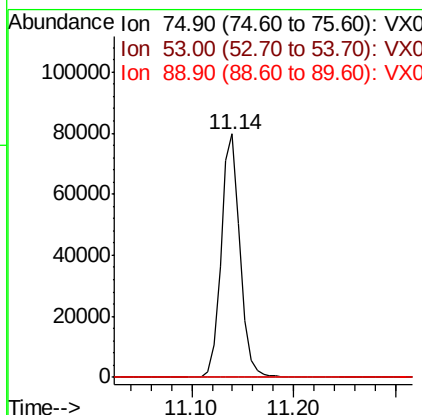
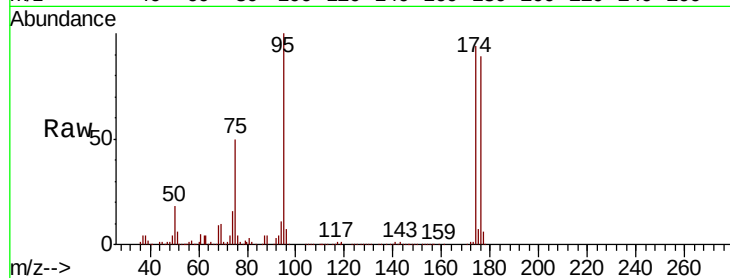




#81
trans-1,4-Dichloro-2-butene
Concen: 57.286 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
SA-TW504-3438

Tot Ion: 75 Resp: 102417
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.755 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX004843.D
Acq: 29 Sep 2018 01:52

Tgt Ion:128 Resp: 656
Ion Ratio Lower Upper
128 100
127 3.0 10.2 15.2#
129 16.3 8.6 12.8#

