

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005266.D
 Acq On : 11 Oct 2018 20:53
 Operator : JC/MD
 Sample : J5393-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D1-20181008

Quant Time: Oct 12 07:11:46 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

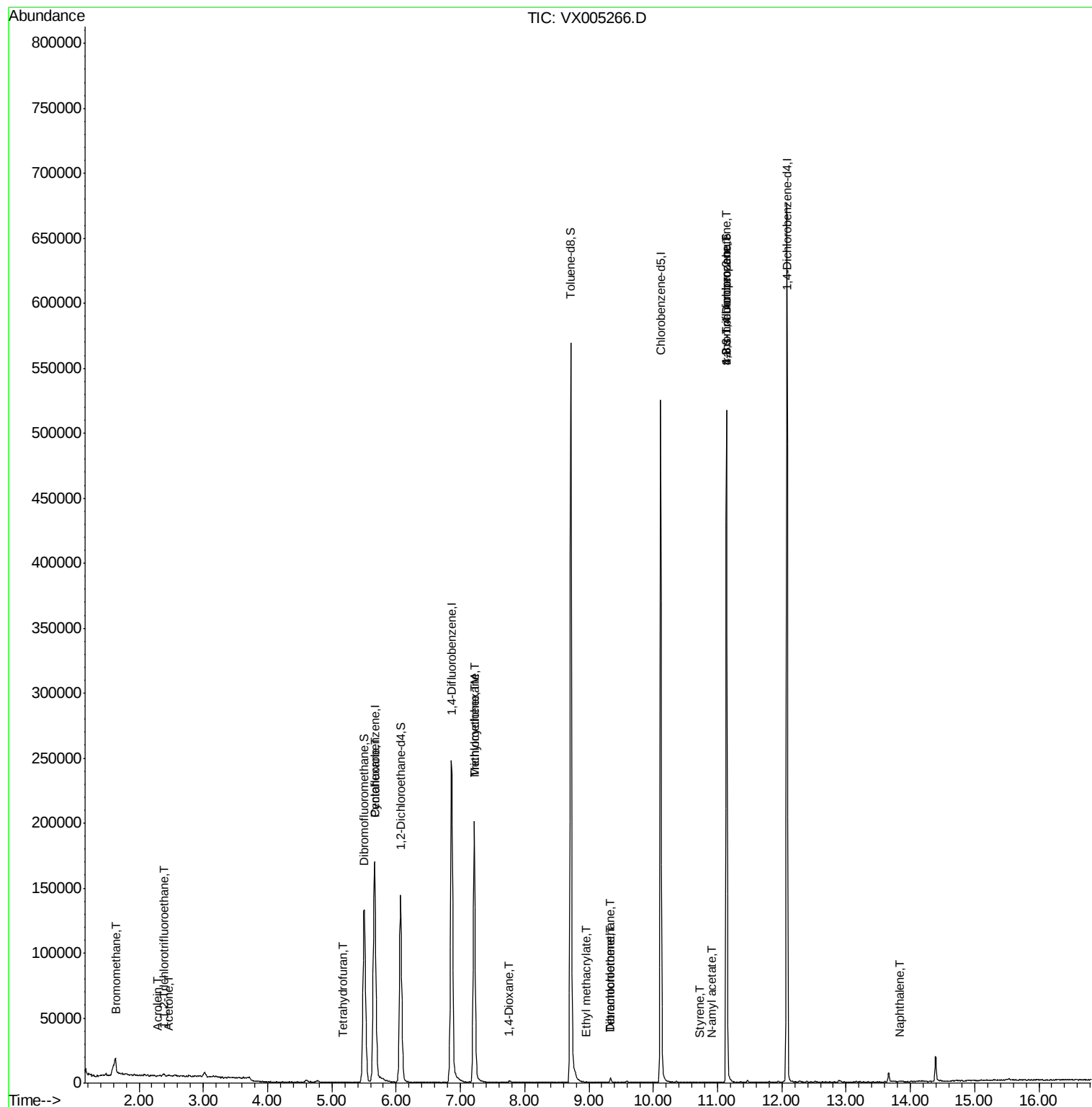
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137558	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	136932	56.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.04%	
35) Dibromofluoromethane	5.49	113	116121	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.26%	
50) Toluene-d8	8.72	98	368835	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	127637	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	665	0.422	ug/l	87
6) Chloroethane	1.67	64	296	Below Cal	#	45
9) 1,1,2-Trichlorotrifluoroet	2.39	101	579	0.309	ug/l #	34
13) Acrolein	2.29	56	244	0.502	ug/l #	37
16) Acetone	2.45	43	522	0.366	ug/l	95
20) Methylene Chloride	2.85	84	117	Below Cal	#	72
29) Tetrahydrofuran	5.17	42	304	0.233	ug/l #	34
31) Cyclohexane	5.67	56	3328	1.070	ug/l #	1
39) Methylcyclohexane	7.21	83	1100	0.365	ug/l #	1
44) Trichloroethene	7.21	130	82362	36.225	ug/l	99
49) 1,4-Dioxane	7.76	88	781	12.237	ug/l #	62
56) Ethyl methacrylate	8.96	69	20	2.867	ug/l #	1
60) Dibromochloromethane	9.34	129	649	0.292	ug/l #	10
64) Tetrachloroethene	9.34	164	613	0.247	ug/l	93
70) Styrene	10.73	104	28	2.144	ug/l #	25
74) N-amyl acetate	10.91	43	195	1.787	ug/l #	49
76) 1,2,3-Trichloropropane	11.14	75	63858	20.712	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	77	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	63858	56.231	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	201	Below Cal		88
95) Naphthalene	13.83	128	444	0.758	ug/l #	69

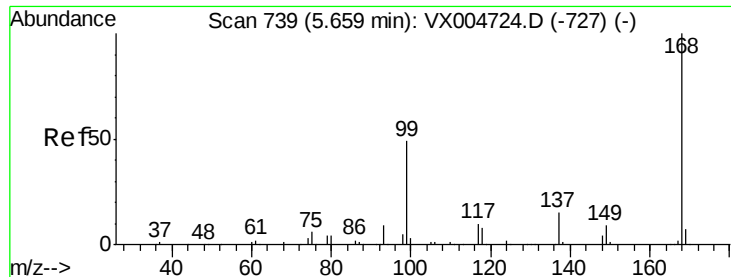
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

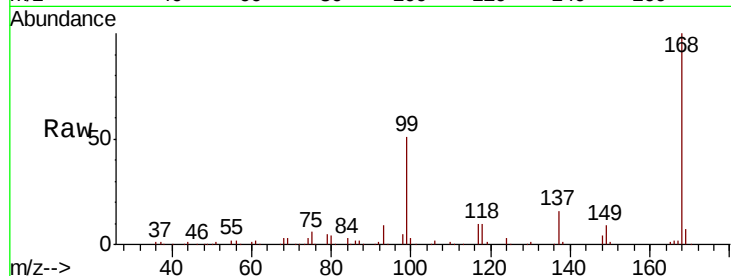
RE-126D1-20181008

Tot Ion:168 Resp: 171125

Ion Ratio Lower Upper

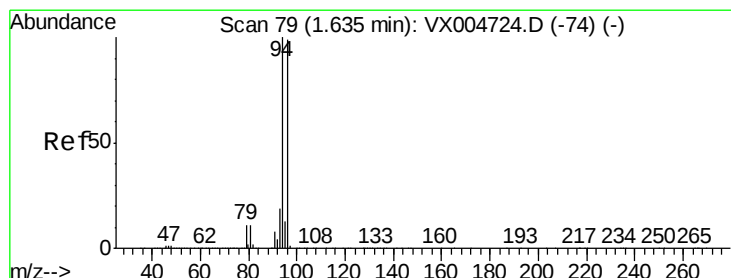
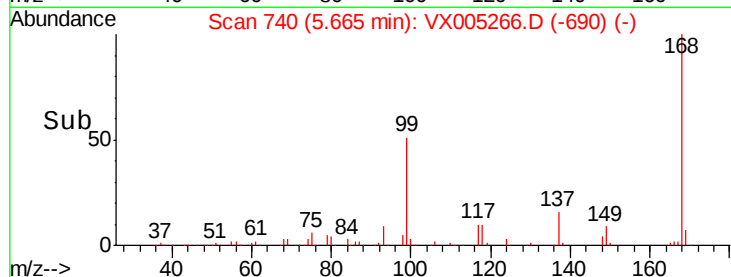
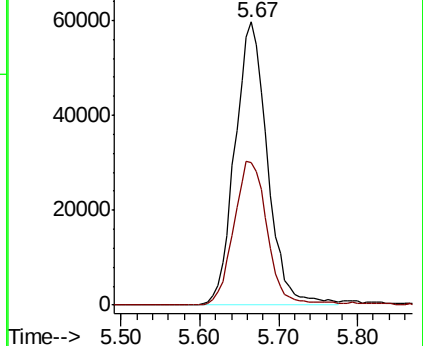
168 100

99 50.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.422 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005266.D

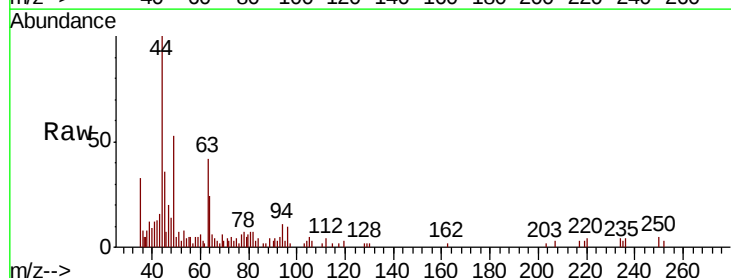
Acq: 11 Oct 2018 20:53

Tgt Ion: 94 Resp: 665

Ion Ratio Lower Upper

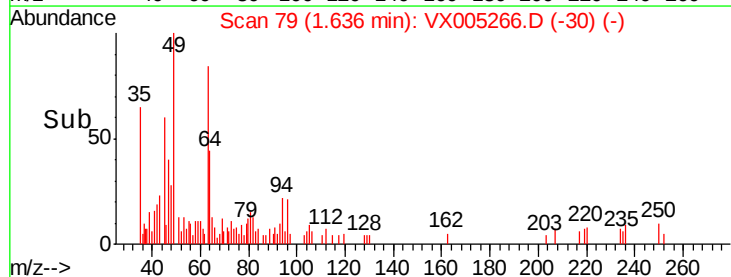
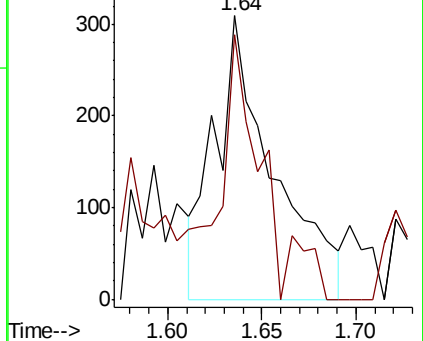
94 100

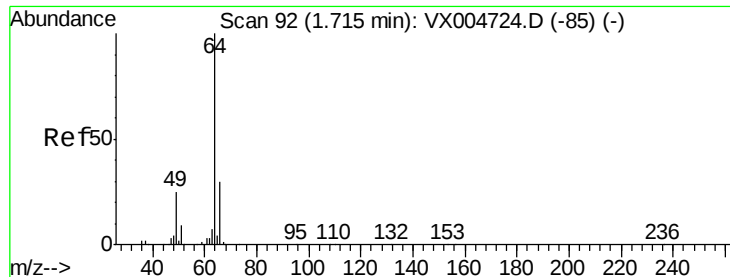
96 112.5 79.5 119.3



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: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

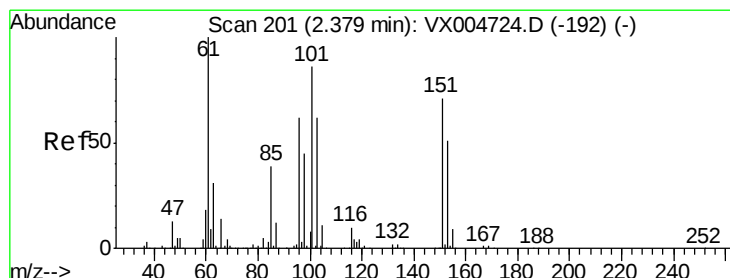
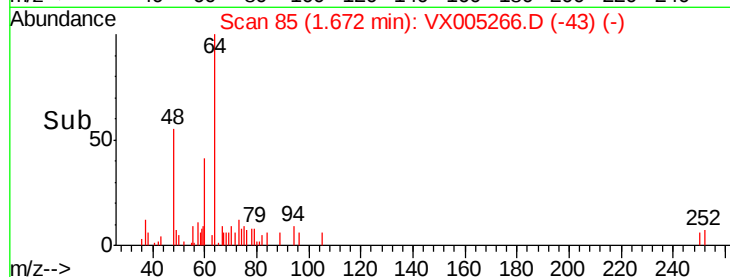
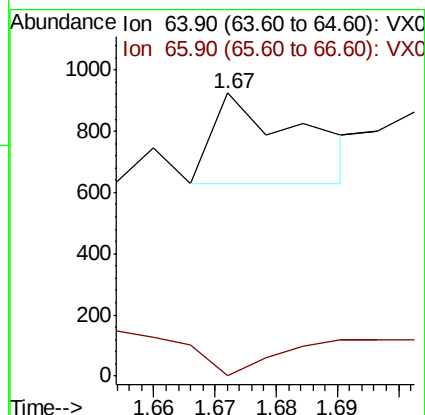
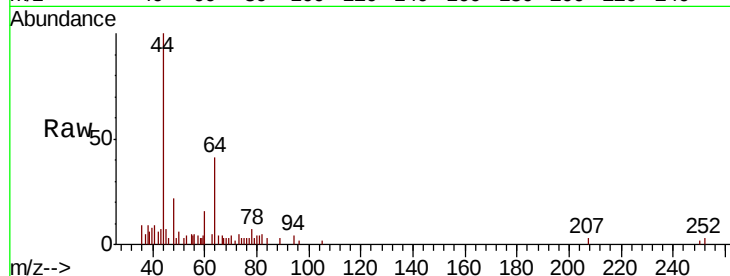
RE-126D1-20181008

Tot Ion: 64 Resp: 296

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.309 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

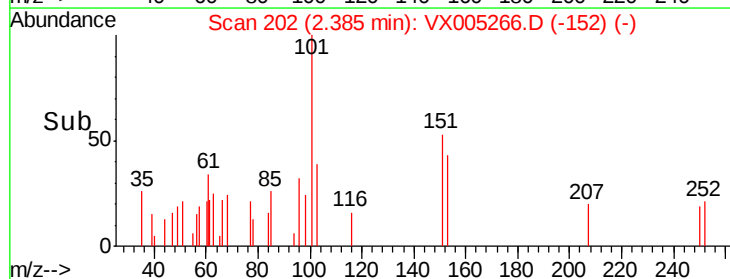
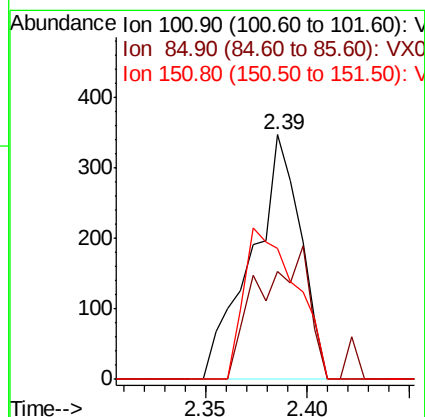
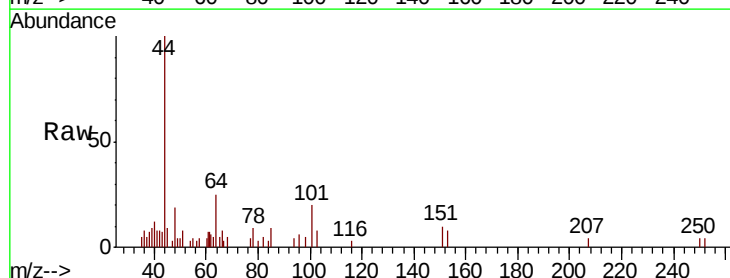
Tgt Ion: 101 Resp: 579

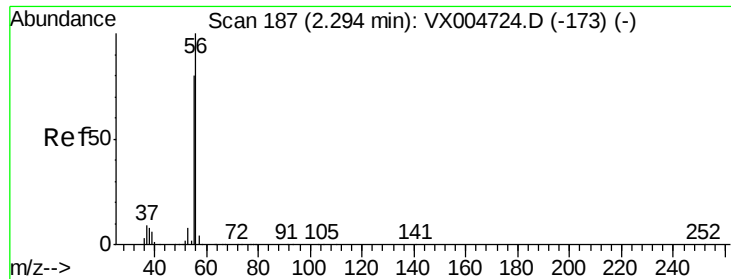
Ion Ratio Lower Upper

101 100

85 55.4 35.9 53.9#

151 0.0 66.6 100.0#

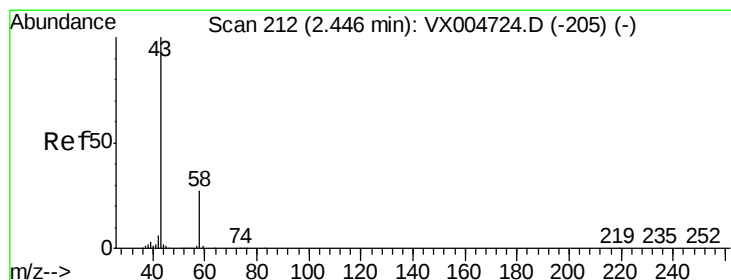
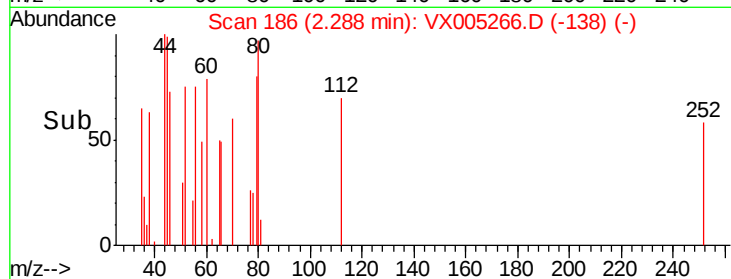
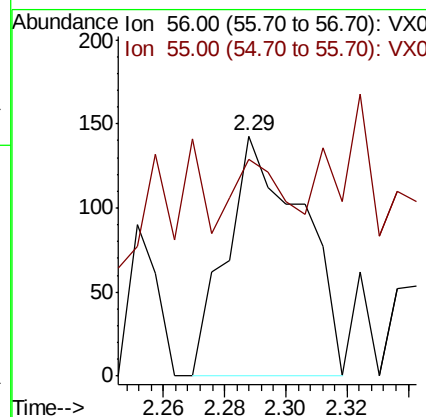
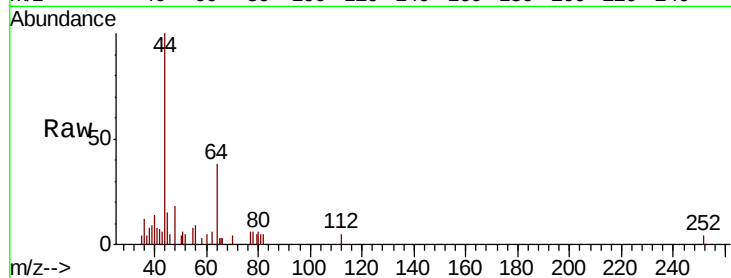




#13
Acrolein
Concen: 0.502 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

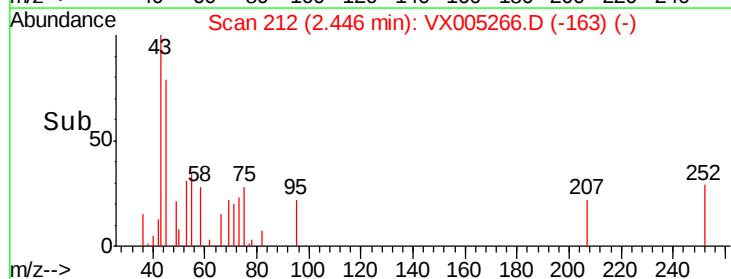
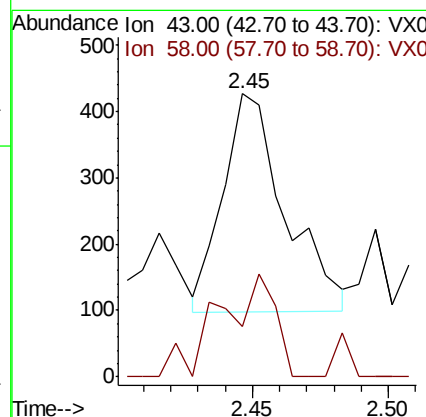
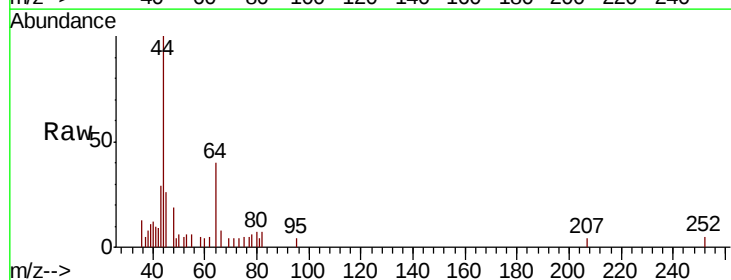
Instrument :
MSVOA_X
ClientSampleId :
RE-126D1-20181008

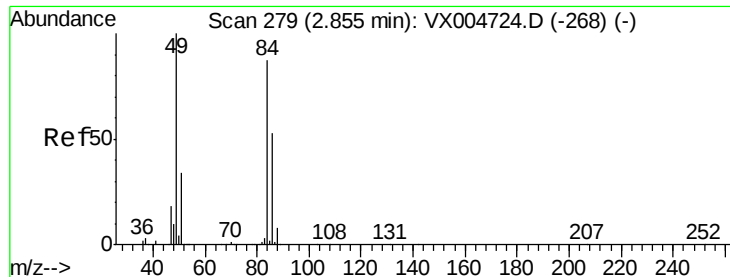
Tot Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 24.2 63.4 95.2#



#16
Acetone
Concen: 0.366 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 24.4 21.8 32.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

RE-126D1-20181008

Tot Ion: 84 Resp: 117

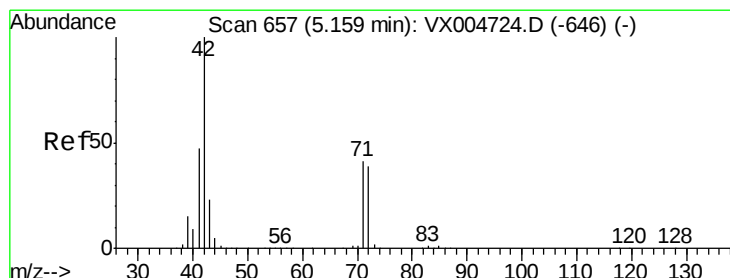
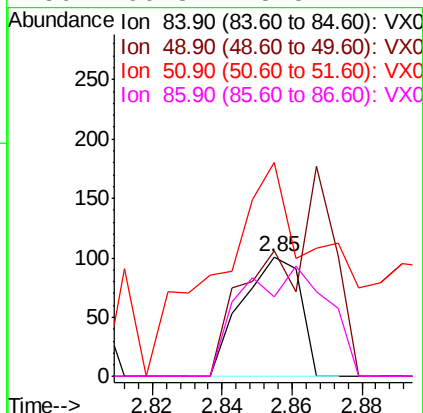
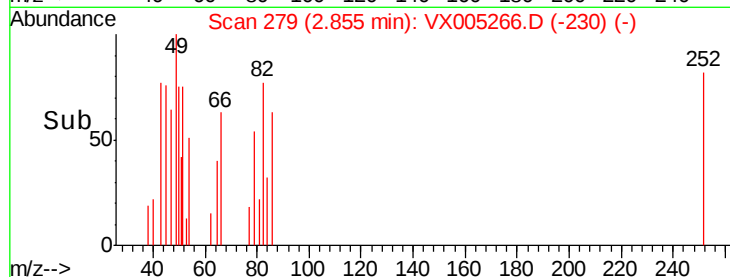
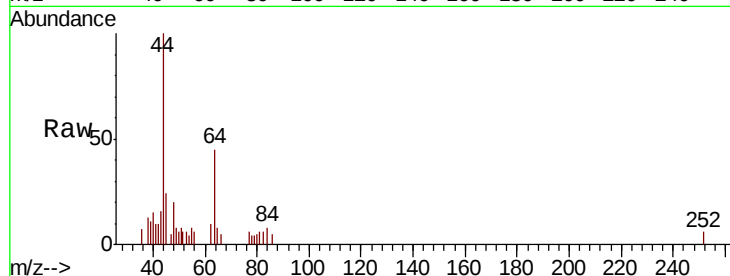
Ion Ratio Lower Upper

84 100

49 105.0 92.3 138.5

51 108.9 31.8 47.6#

86 66.3 48.5 72.7



#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

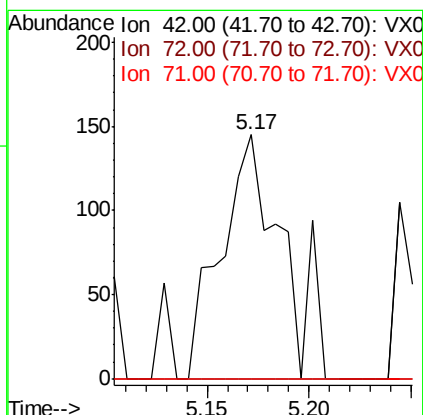
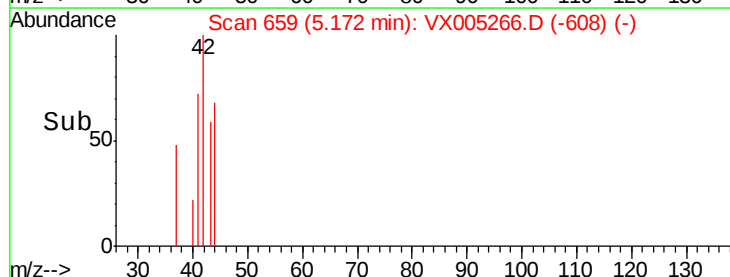
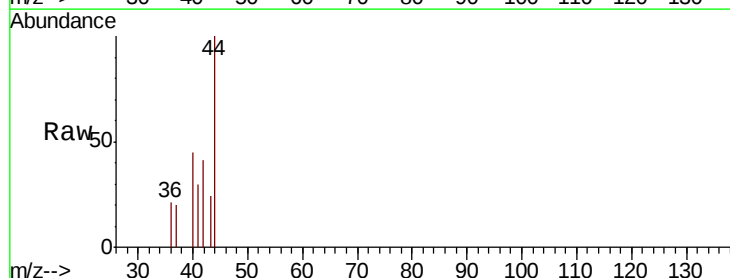
Tgt Ion: 42 Resp: 304

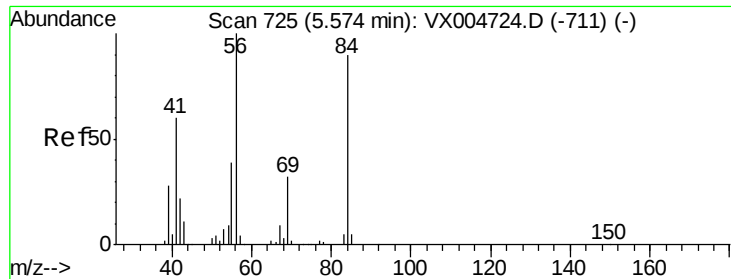
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.2 48.4#

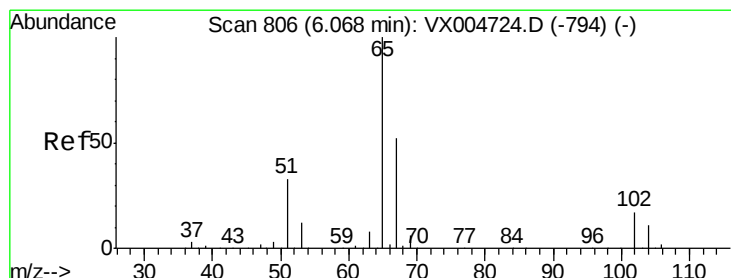
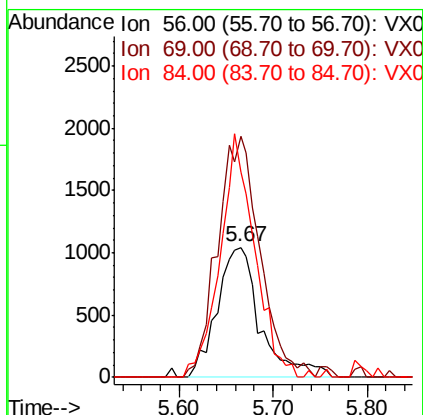
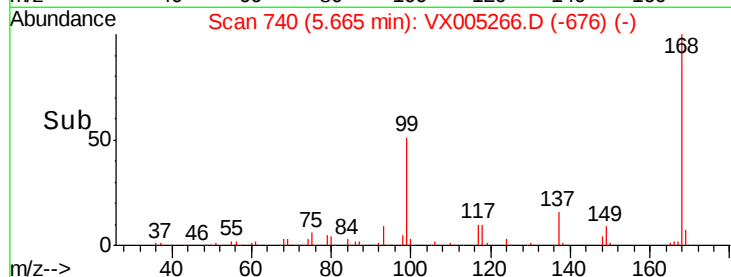
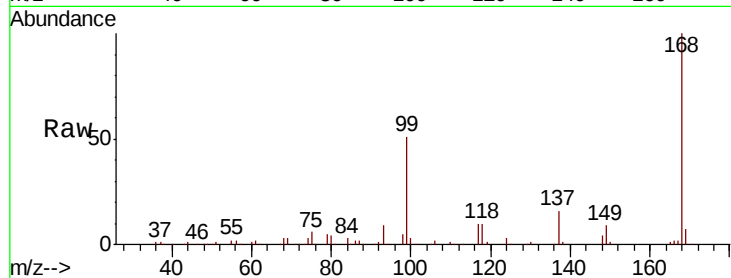




#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

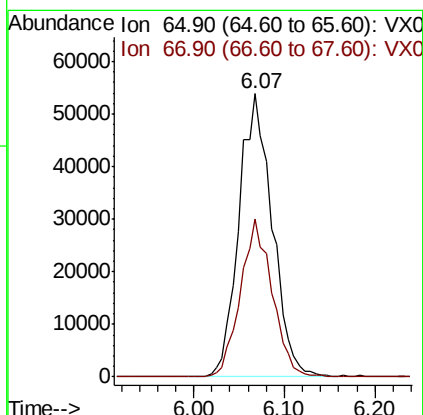
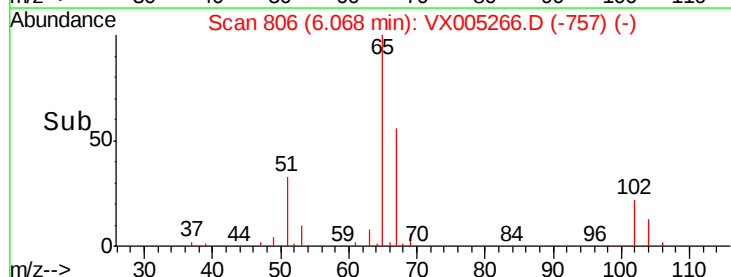
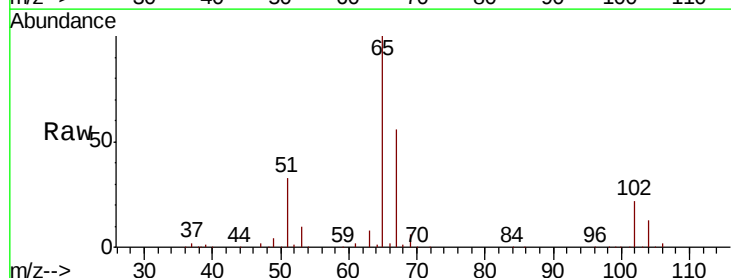
Instrument :
MSVOA_X
ClientSampleId :
RE-126D1-20181008

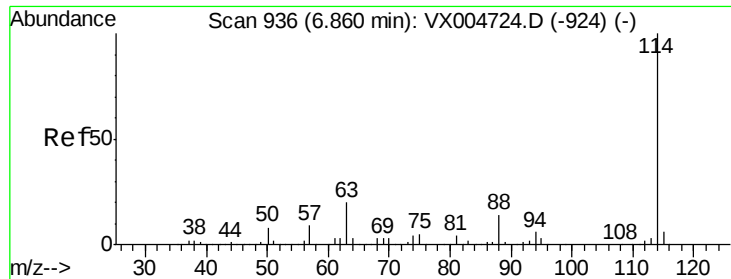
Tot Ion: 56 Resp: 3328
Ion Ratio Lower Upper
56 100
69 185.6 25.9 38.9#
84 158.3 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 56.016 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Tgt Ion: 65 Resp: 136932
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4

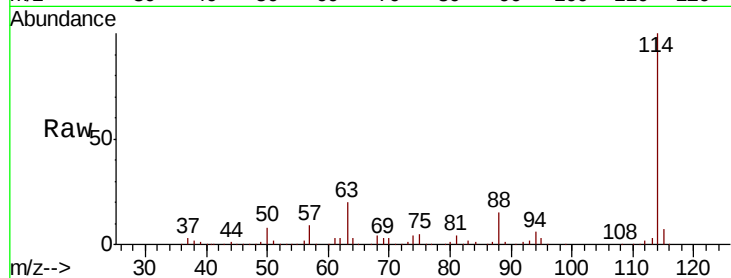




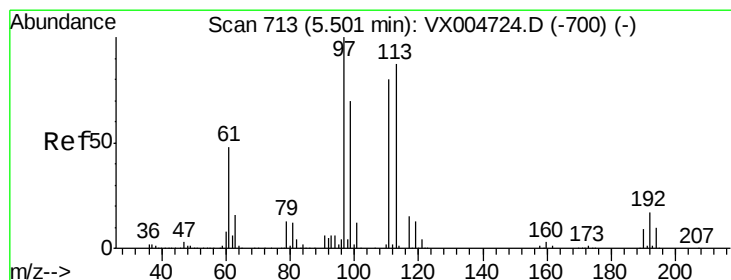
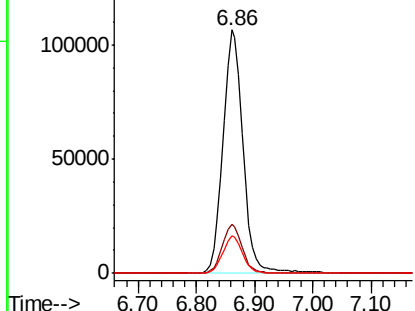
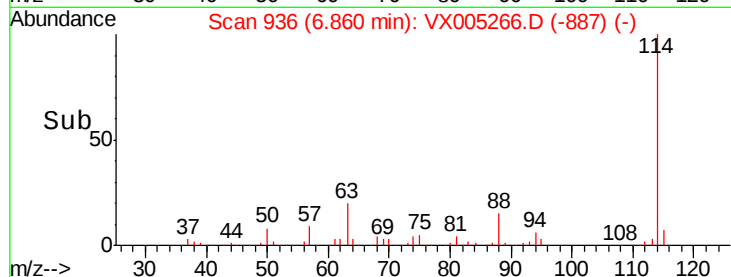
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005266.D
 Acq: 11 Oct 2018 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D1-20181008

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.8
88	15.4	0.0	27.0

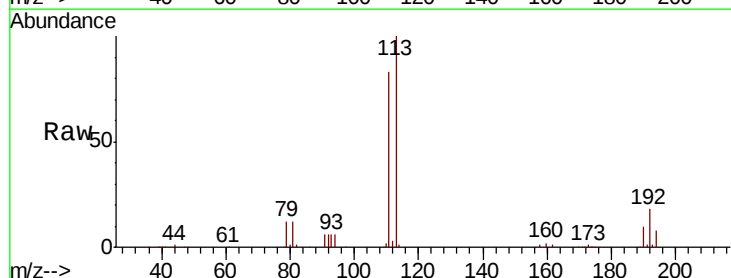


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

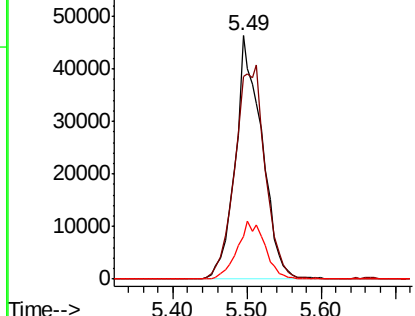
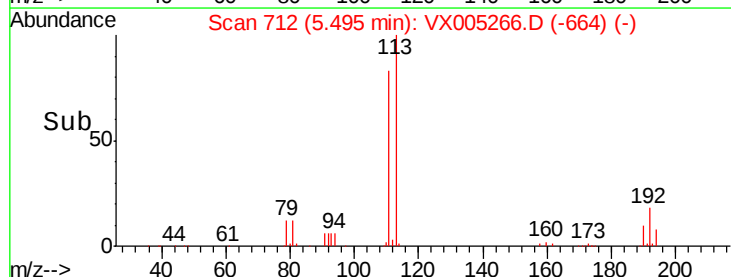


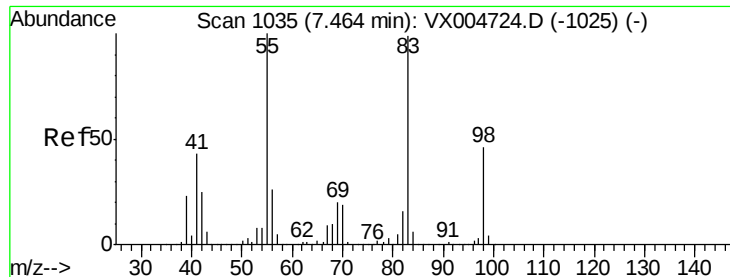
#35
 Dibromofluoromethane
 Concen: 53.629 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005266.D
 Acq: 11 Oct 2018 20:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	77.0	115.4
192	24.8	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

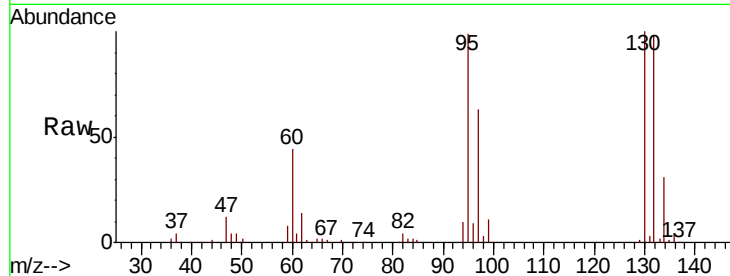




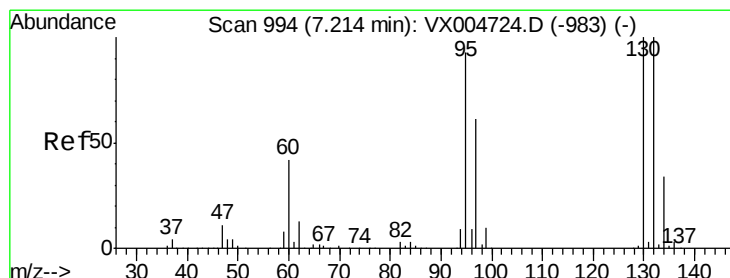
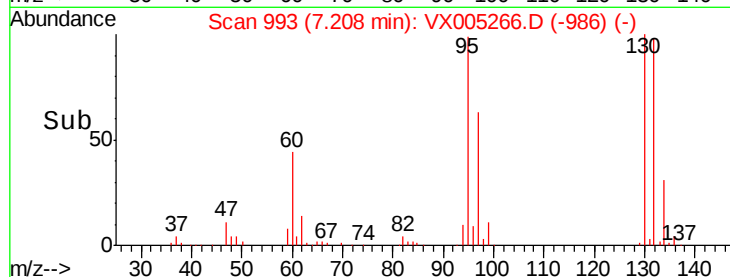
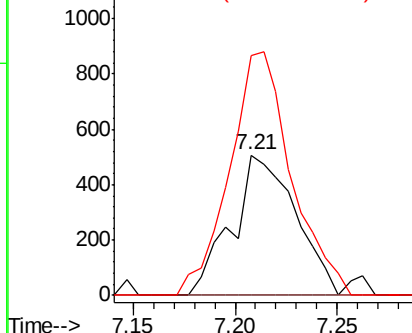
#39
Methvlcvclohexane
Concen: 0.365 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.26 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Instrument :
MSVOA_X
ClientSampleId :
RE-126D1-20181008

Tot Ion: 83 Resp: 1100
Ion Ratio Lower Upper
83 100
55 0.0 81.1 121.7#
98 156.5 37.3 55.9#

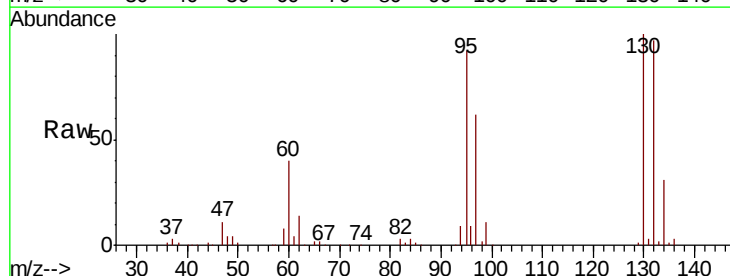


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

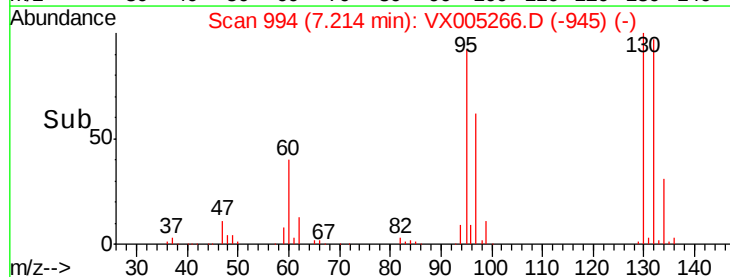
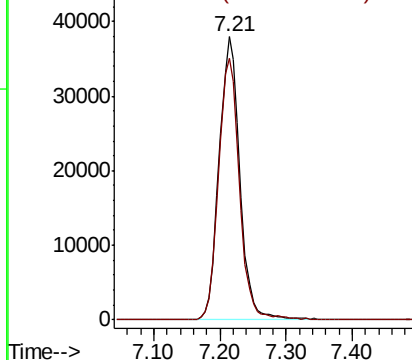


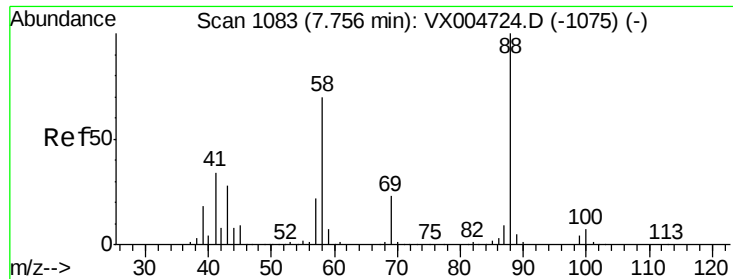
#44
Trichloroethene
Concen: 36.225 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Tgt Ion:130 Resp: 82362
Ion Ratio Lower Upper
130 100
95 92.3 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

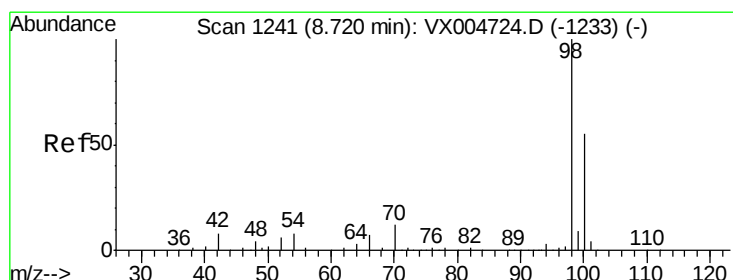
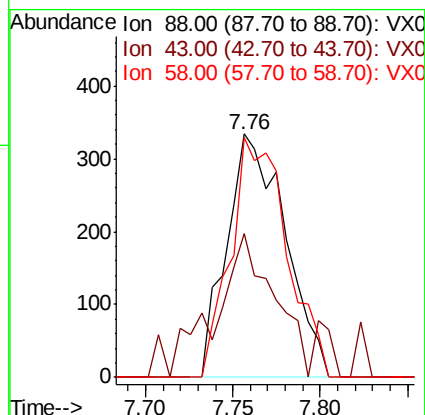
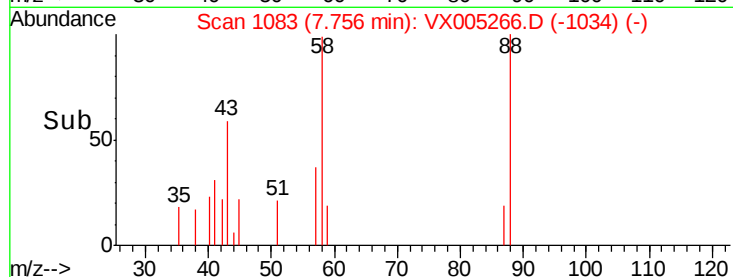
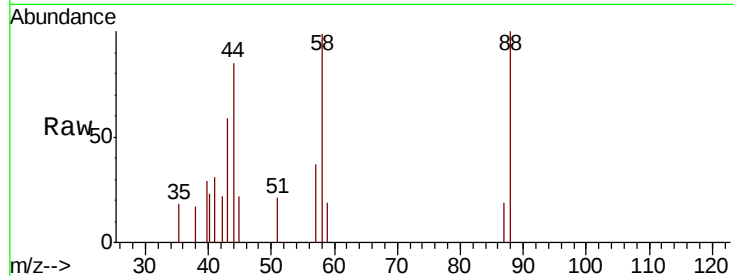




#49
1,4-Dioxane
Concen: 12.237 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

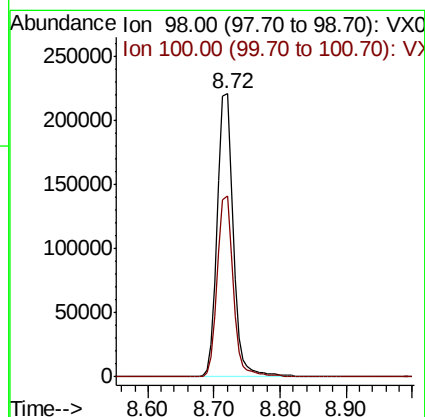
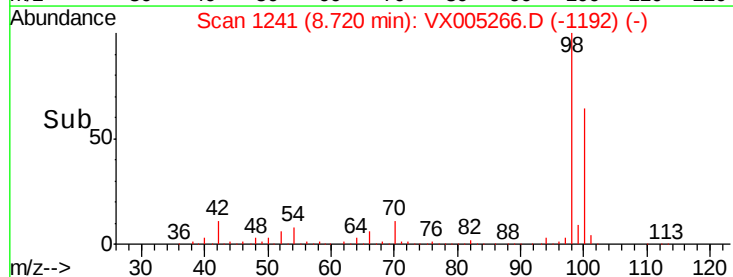
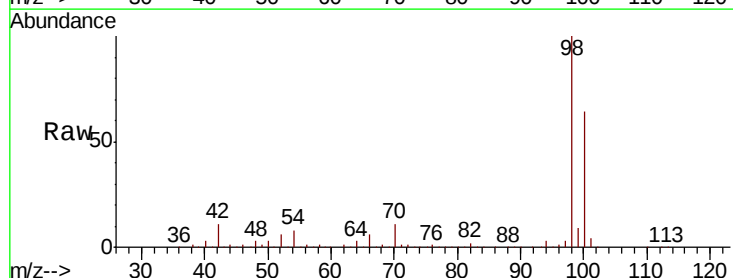
Instrument :
MSVOA_X
ClientSampleId :
RE-126D1-20181008

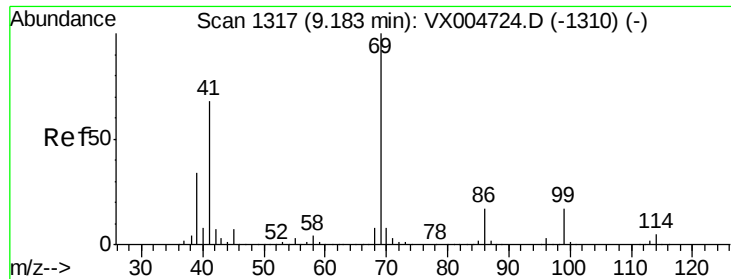
Tot Ion: 88 Resp: 781
Ion Ratio Lower Upper
88 100
43 61.7 25.1 37.7#
58 94.9 56.2 84.2#



#50
Toluene-d8
Concen: 51.238 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Tgt Ion: 98 Resp: 368835
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9





#56

Ethyl methacrylate

Concen: 2.867 ug/l

RT: 8.96 min Scan# 1281

Delta R.T. -0.22 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

RE-126D1-20181008

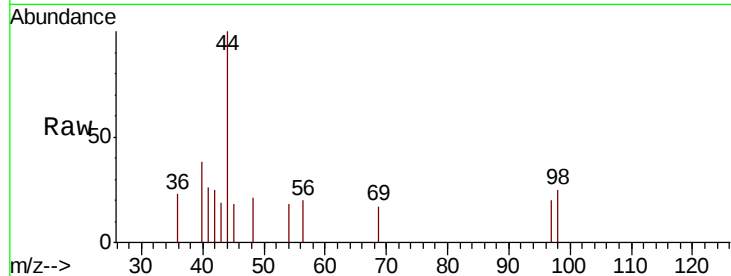
Tot Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 960.0 56.9 85.3#

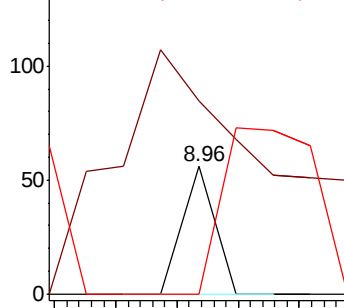
39 385.0 28.4 42.6#



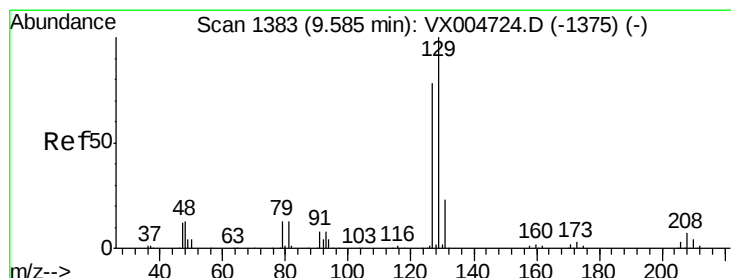
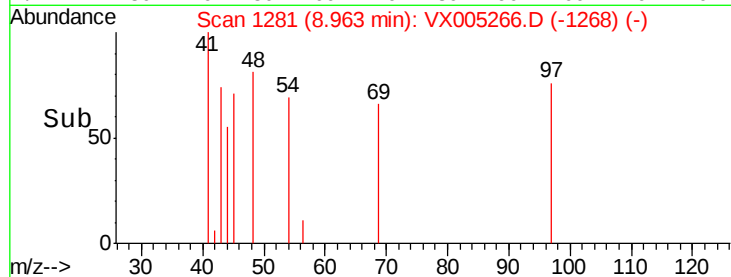
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 0.292 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX005266.D

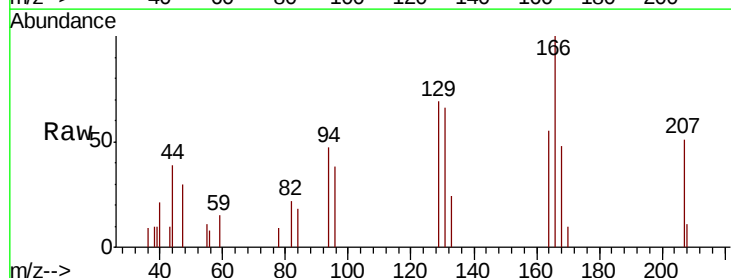
Acq: 11 Oct 2018 20:53

Tgt Ion: 129 Resp: 649

Ion Ratio Lower Upper

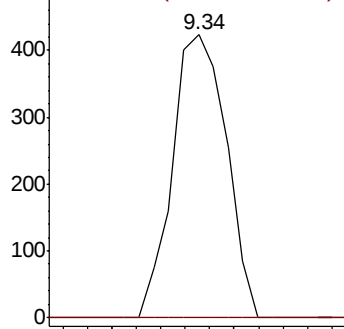
129 100

127 0.0 39.1 117.2#

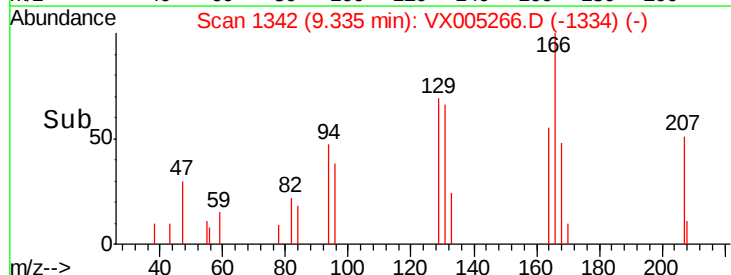


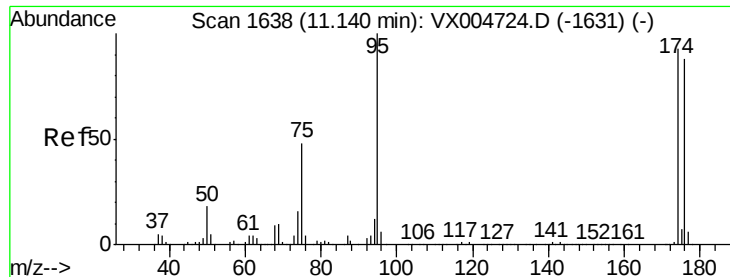
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 49.219 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

RE-126D1-20181008

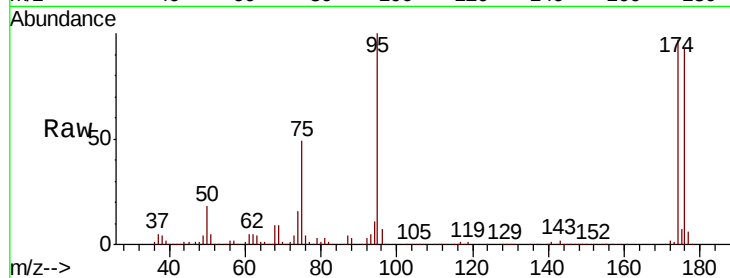
Tot Ion: 95 Resp: 127637

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.0

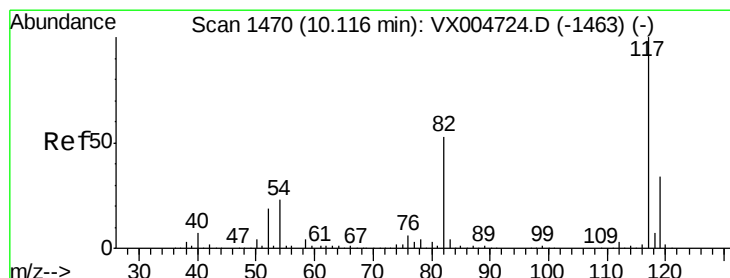
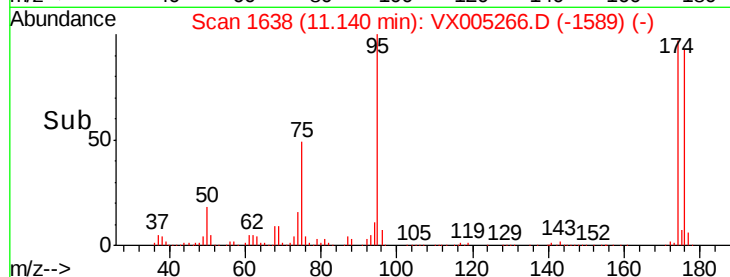
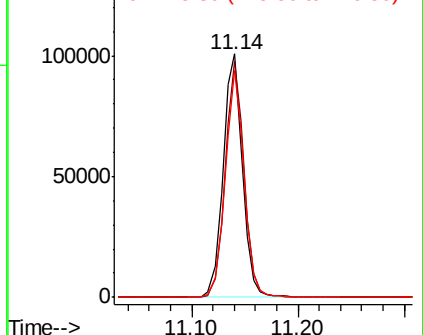
176 91.0 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

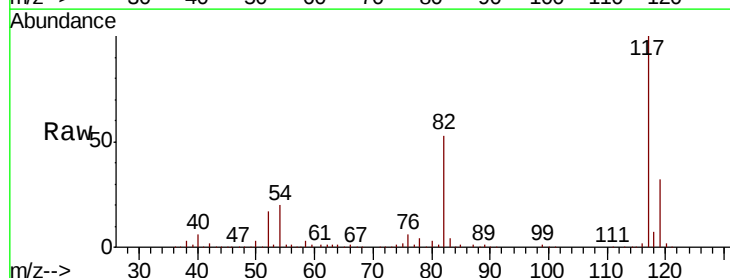
Tgt Ion: 117 Resp: 251998

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

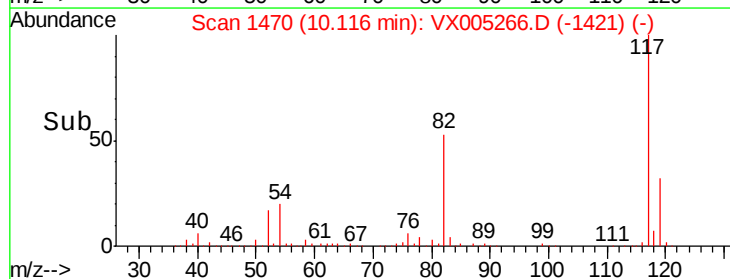
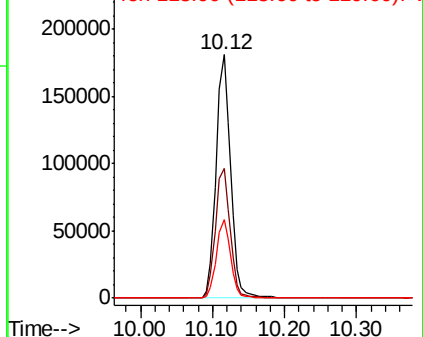
119 32.3 27.4 41.0

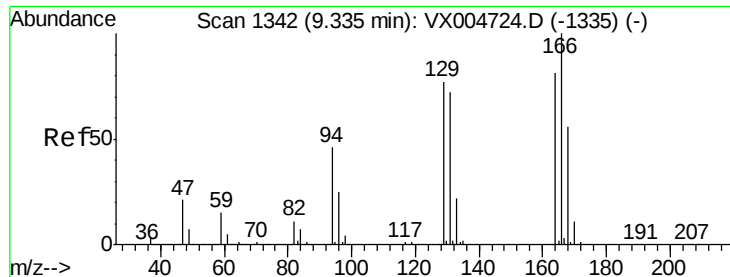


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

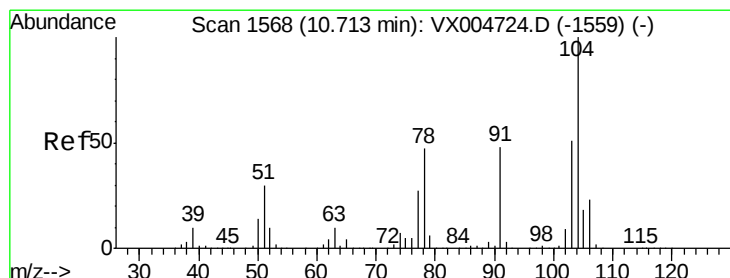
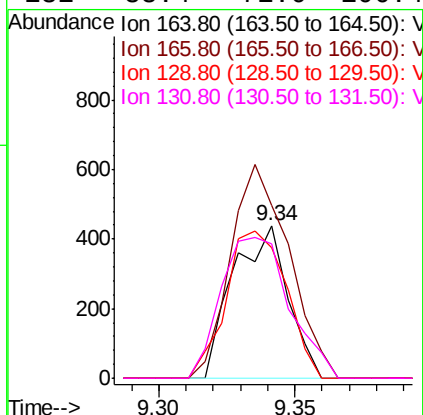
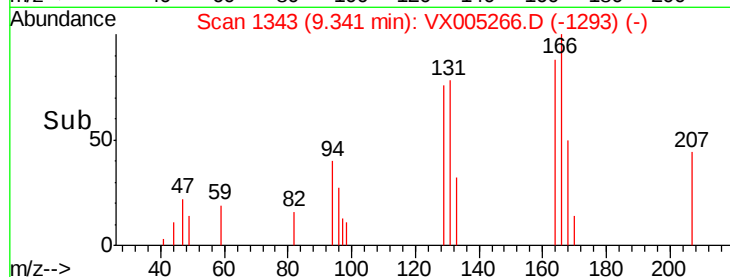
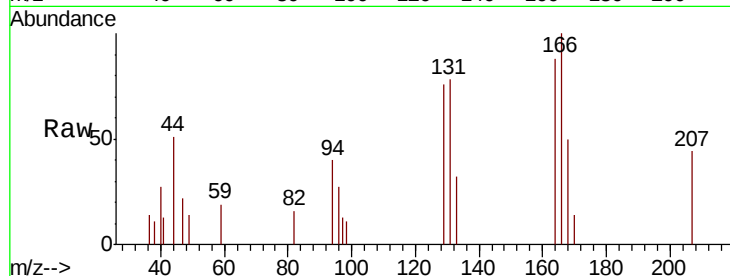




#64
Tetrachloroethene
Concen: 0.247 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

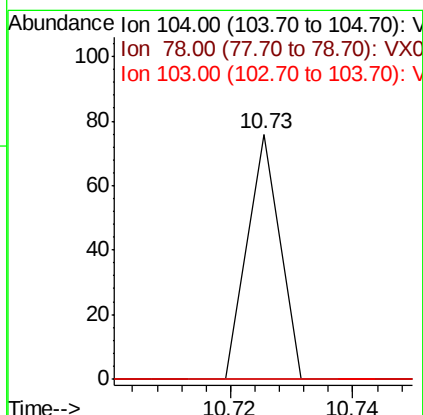
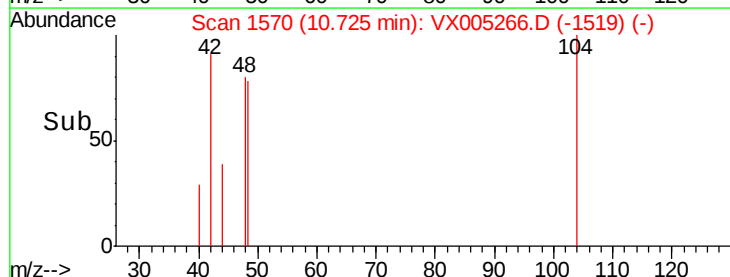
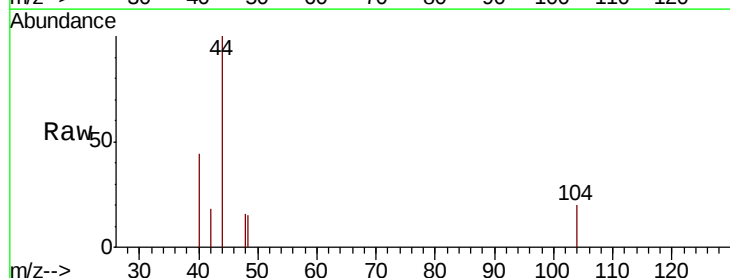
Instrument :
MSVOA_X
ClientSampleId :
RE-126D1-20181008

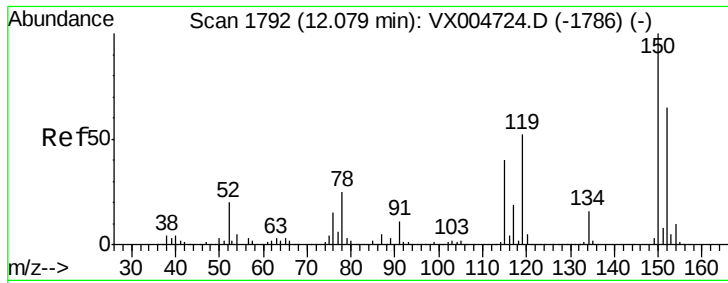
Tot Ion:164 Resp: 613
Ion Ratio Lower Upper
164 100
166 113.4 98.4 147.6
129 85.6 76.1 114.1
131 88.4 71.0 106.4



#70
Styrene
Concen: 2.144 ug/l
RT: 10.73 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX005266.D
Acq: 11 Oct 2018 20:53

Tgt Ion:104 Resp: 28
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 0.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

RE-126D1-20181008

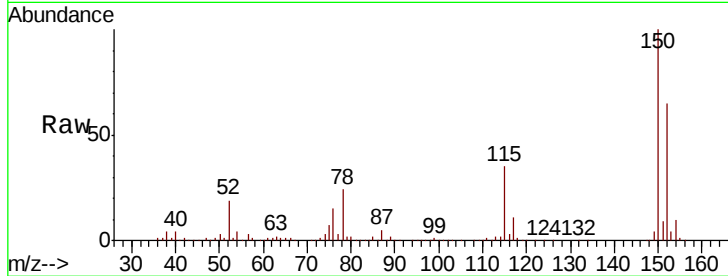
Tot Ion:152 Resp: 137558

Ion Ratio Lower Upper

152 100

115 55.2 40.2 120.6

150 156.4 0.0 351.0

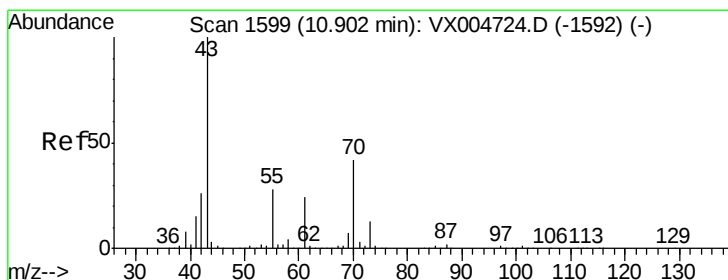
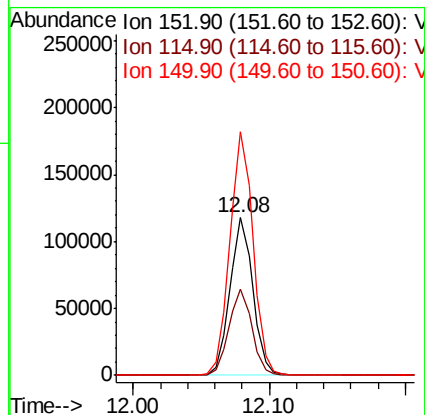
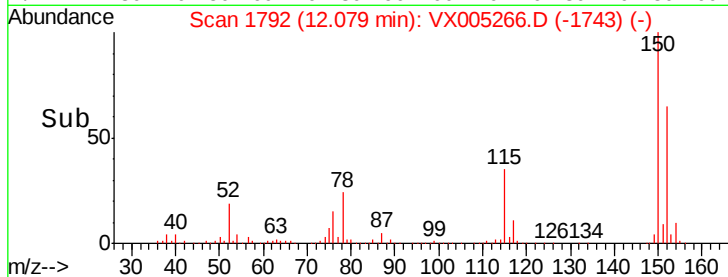


Abundance

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-amyl acetate

Concen: 1.787 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Tgt Ion: 43 Resp: 195

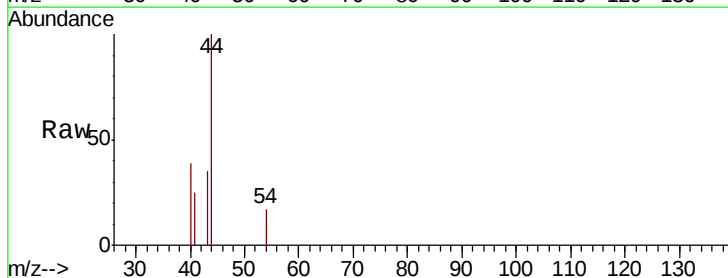
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 10.8 21.6 32.4#

61 0.0 19.1 28.7#



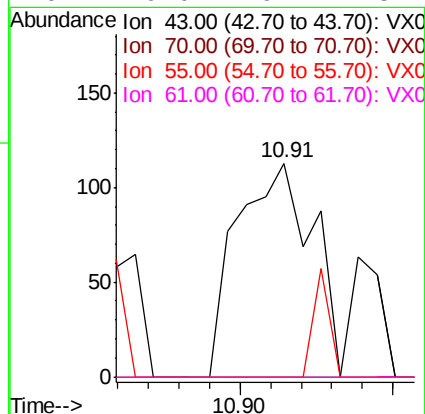
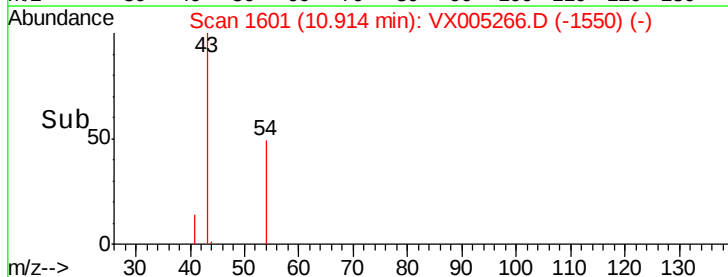
Abundance

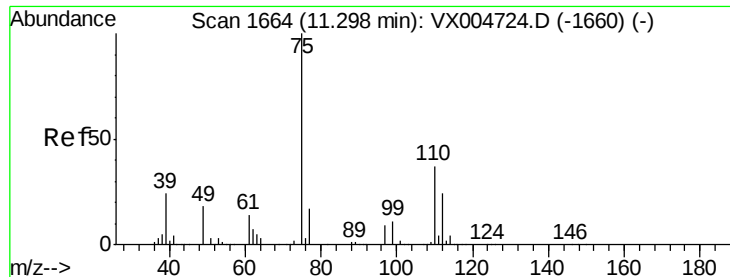
Ion 43.00 (42.70 to 43.70): VX0

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: 20.712 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

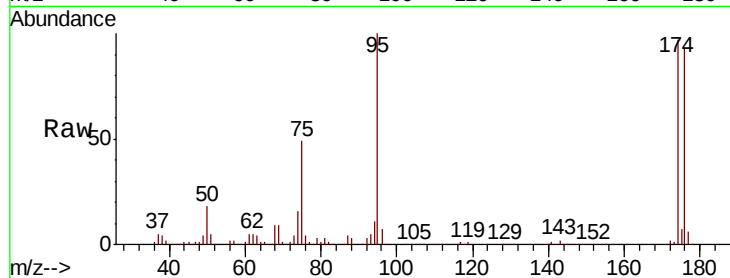
RE-126D1-20181008

Tot Ion: 75 Resp: 63858

Ion Ratio Lower Upper

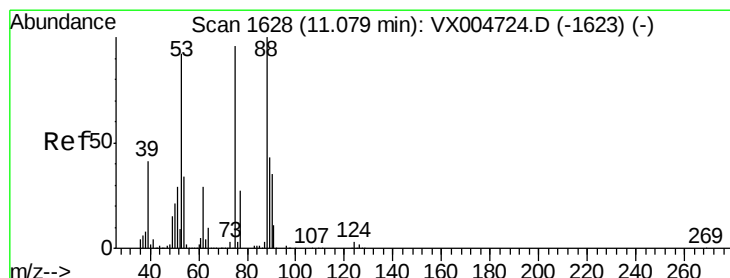
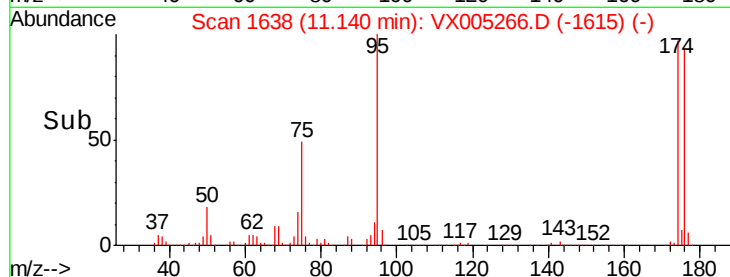
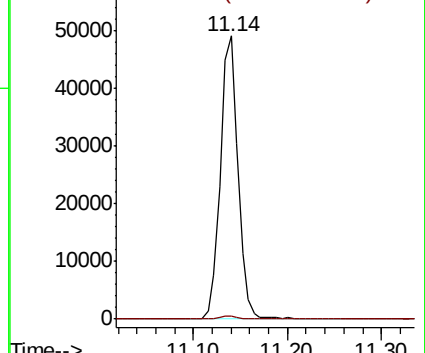
75 100

77 1.4 21.4 64.3#



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: 56.231 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005266.D

Acq: 11 Oct 2018 20:53

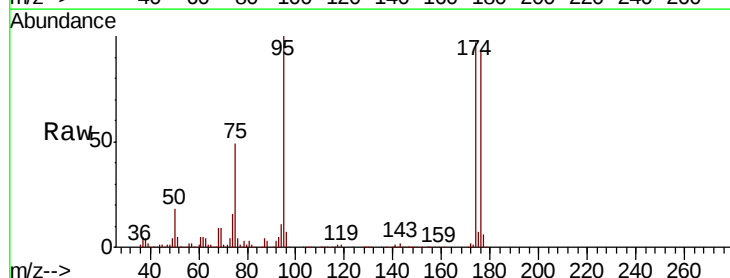
Tgt Ion: 75 Resp: 63858

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

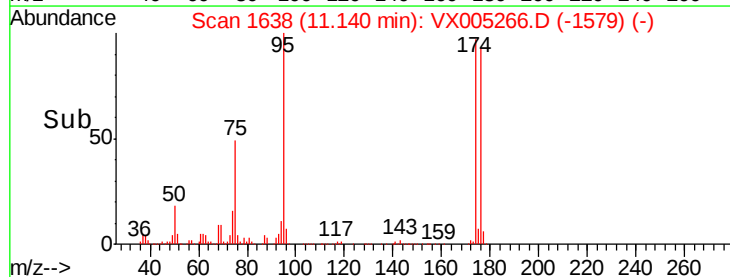
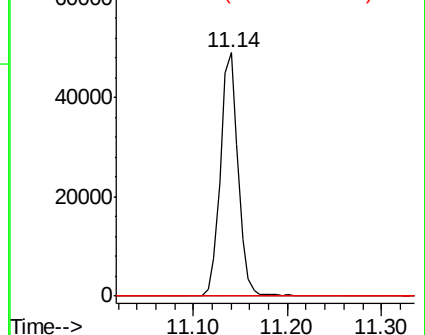
89 0.0 37.1 55.7#

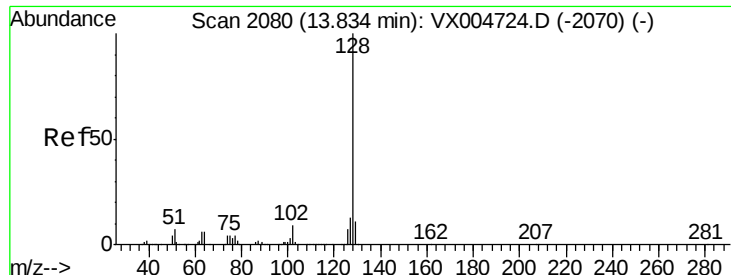


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.758 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005266.D

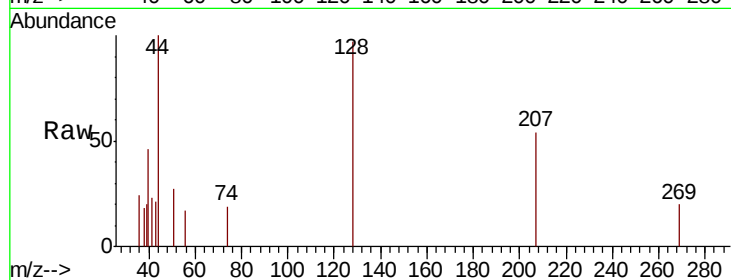
Acq: 11 Oct 2018 20:53

Instrument :

MSVOA_X

ClientSampleId :

RE-126D1-20181008



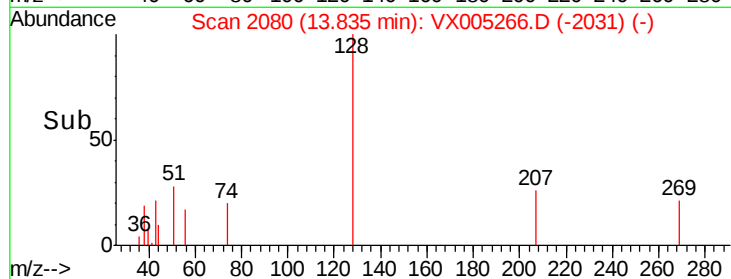
Tot Ion:128 Resp: 444

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

