

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005053.D
 Acq On : 05 Oct 2018 07:37
 Operator : JC/MD
 Sample : J5207-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 08:58:06 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

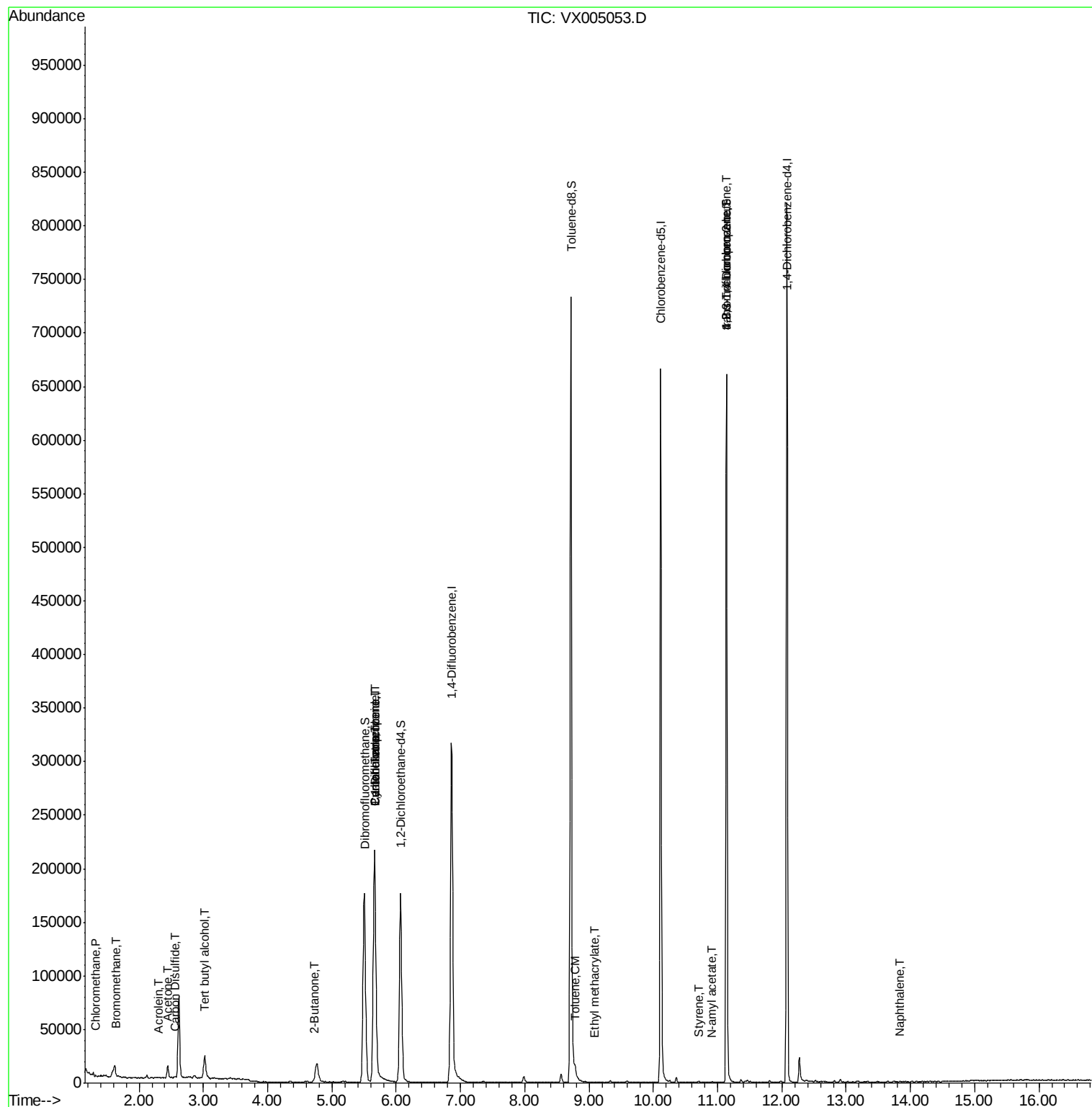
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230752	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	335134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164097	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	5.51	113	153647	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
50) Toluene-d8	8.72	98	484211	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	166735	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	820	0.215	ug/l	98
5) Bromomethane	1.64	94	719	0.339	ug/l #	35
6) Chloroethane	1.73	64	25	Below Cal	#	59
11) Tert butyl alcohol	3.03	59	13551	14.703	ug/l #	78
13) Acrolein	2.29	56	191	0.291	ug/l	91
16) Acetone	2.45	43	12091	6.283	ug/l	97
17) Carbon Disulfide	2.57	76	1853	0.247	ug/l	98
20) Methylene Chloride	2.86	84	1077	Below Cal		86
25) 2-Butanone	4.72	43	994	0.350	ug/l	97
31) Cyclohexane	5.66	56	4446	1.060	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	15946	4.115	ug/l #	45
38) Carbon Tetrachloride	5.66	117	20850	5.118	ug/l #	18
52) Toluene	8.79	92	1683	0.252	ug/l	100
56) Ethyl methacrylate	9.09	69	21	2.866	ug/l #	1
70) Styrene	10.71	104	216	2.164	ug/l #	60
74) N-amyl acetate	10.90	43	172	1.776	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	83243	21.728	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	305	Below Cal		95
81) trans-1,4-Dichloro-2-buten	11.14	75	83243	58.893	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	988	Below Cal		99
95) Naphthalene	13.83	128	695	0.768	ug/l #	87

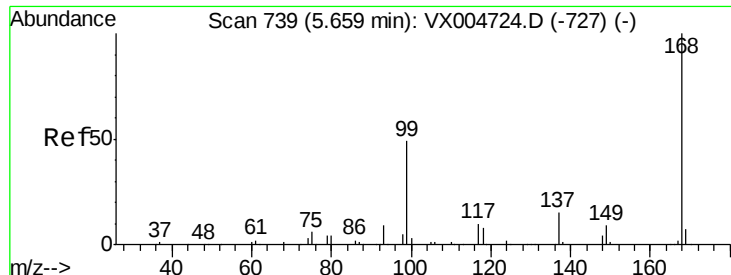
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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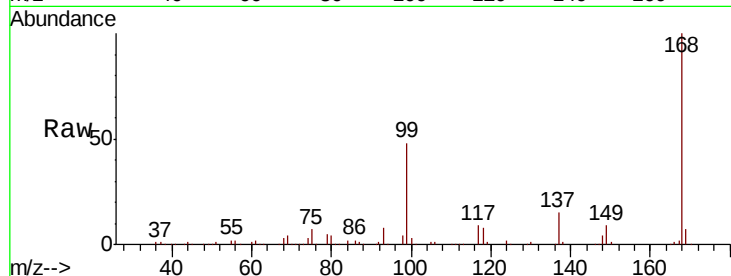




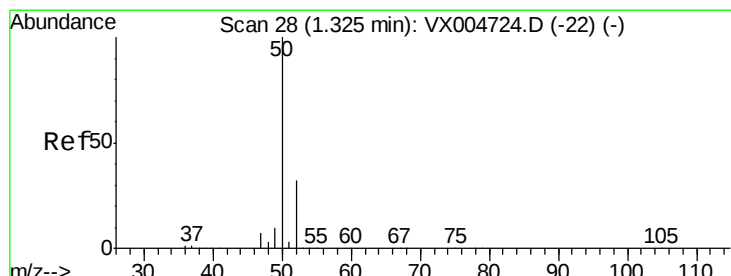
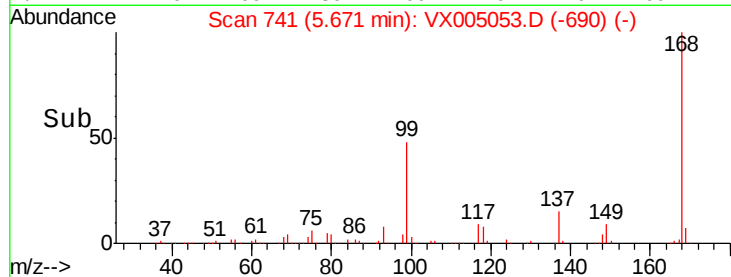
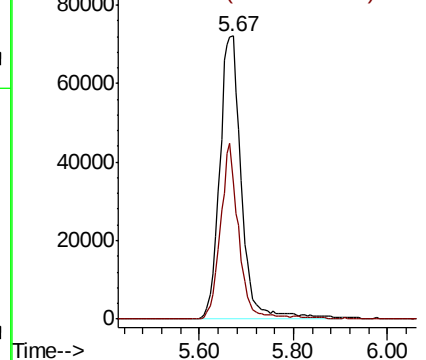
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 230752
Ion Ratio Lower Upper
168 100
99 48.1 39.3 58.9

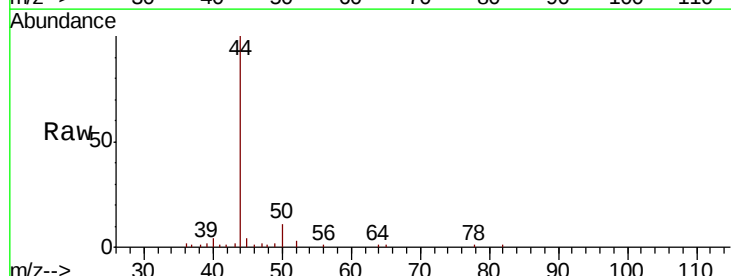


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

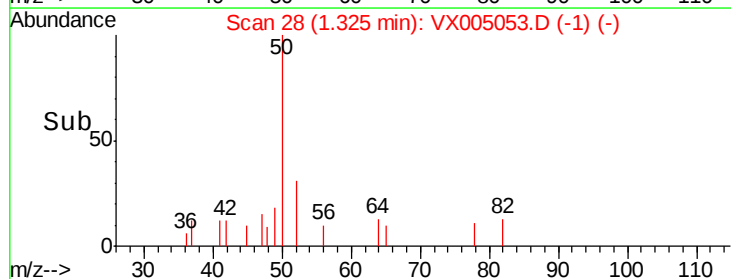
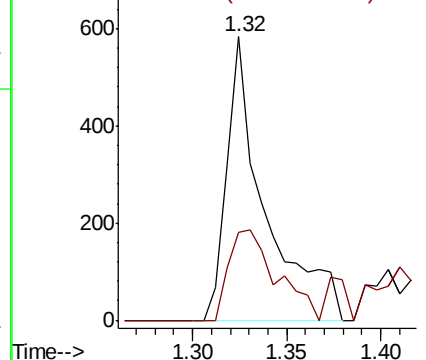


#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Tgt Ion: 50 Resp: 820
Ion Ratio Lower Upper
50 100
52 30.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

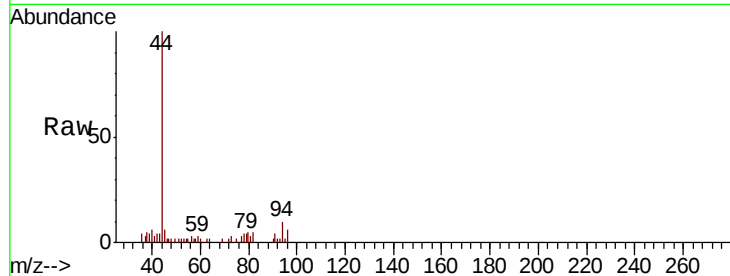
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 719

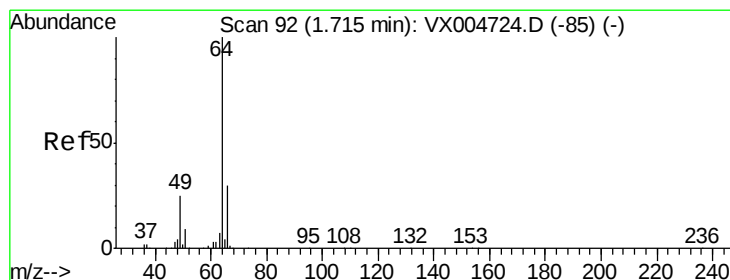
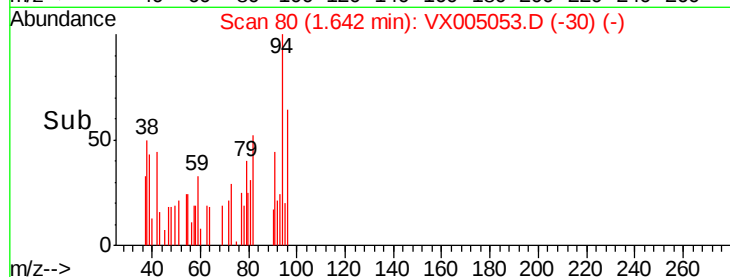
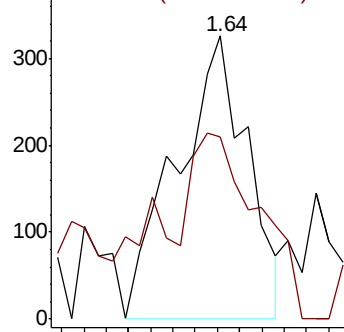
Ion Ratio Lower Upper

94 100

96 35.0 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: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005053.D

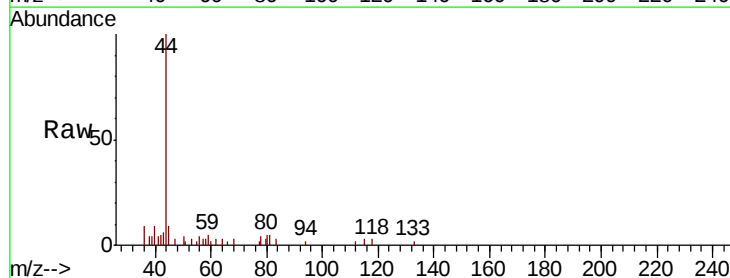
Acq: 05 Oct 2018 07:37

Tgt Ion: 64 Resp: 25

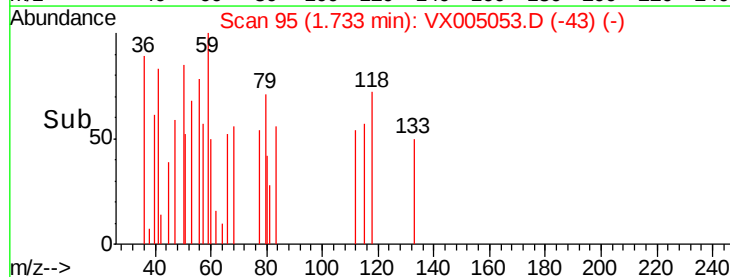
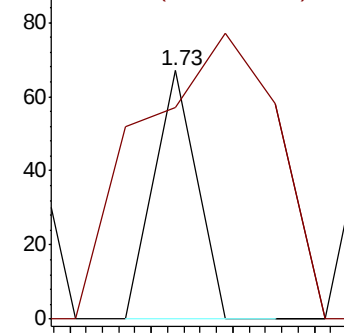
Ion Ratio Lower Upper

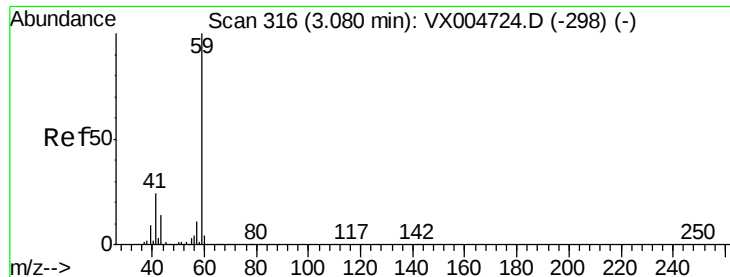
64 100

66 7.5 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0

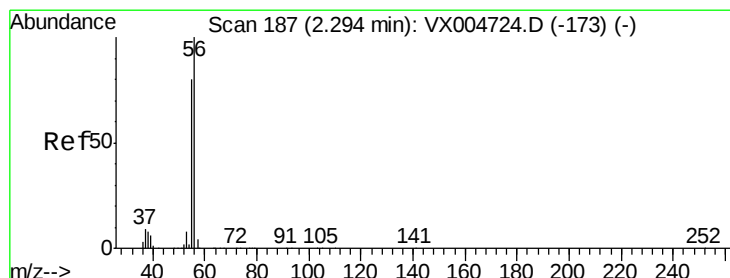
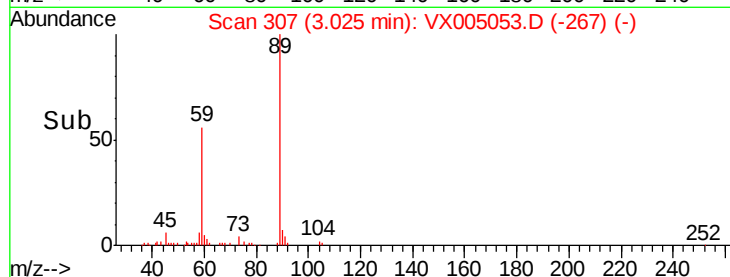
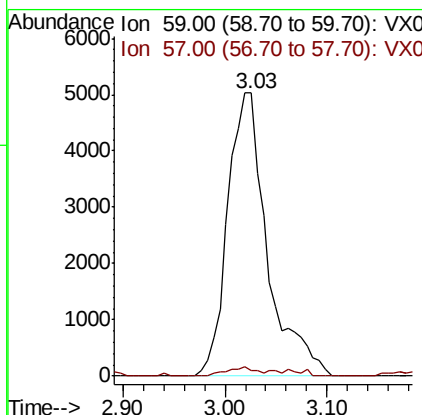
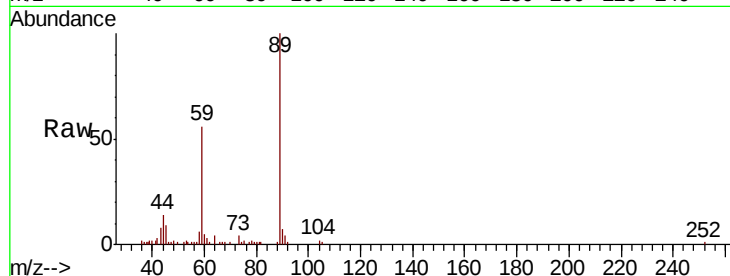




#11
Tert butyl alcohol
Concen: 14.703 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

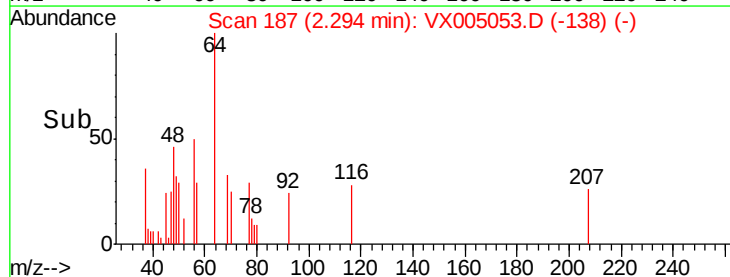
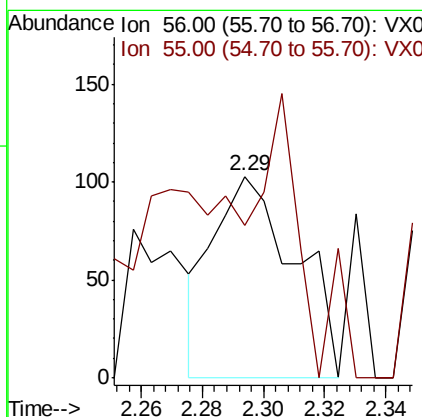
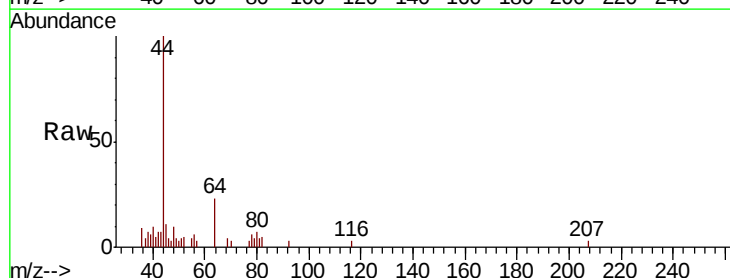
Instrument :
MSVOA_X
ClientSampled :

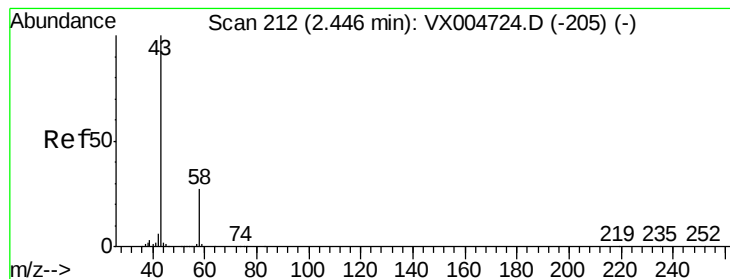
Tot Ion: 59 Resp: 13551
Ion Ratio Lower Upper
59 100
57 2.4 8.6 12.8#



#13
Acrolein
Concen: 0.291 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 71.2 63.4 95.2





#16

Acetone

Concen: 6.283 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

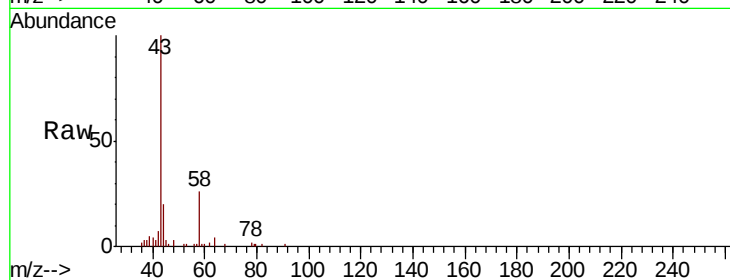
ClientSampleId :

Tot Ion: 43 Resp: 12091

Ion Ratio Lower Upper

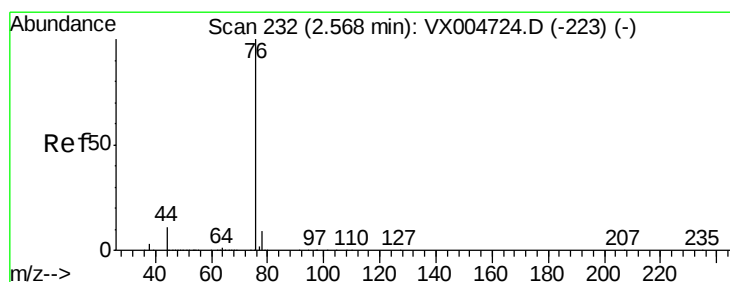
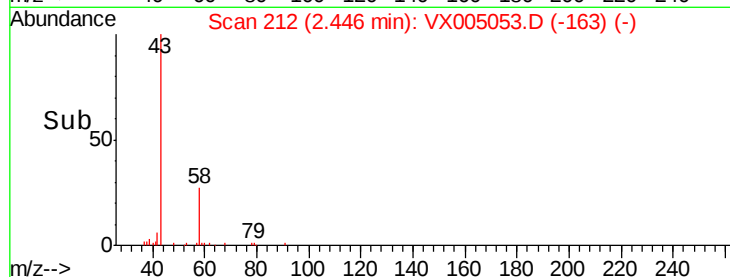
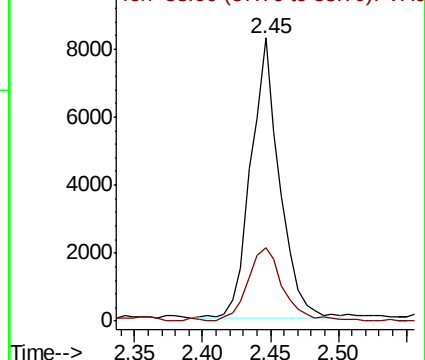
43 100

58 25.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005053.D

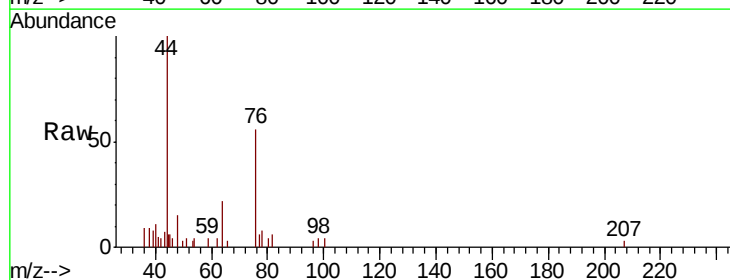
Acq: 05 Oct 2018 07:37

Tgt Ion: 76 Resp: 1853

Ion Ratio Lower Upper

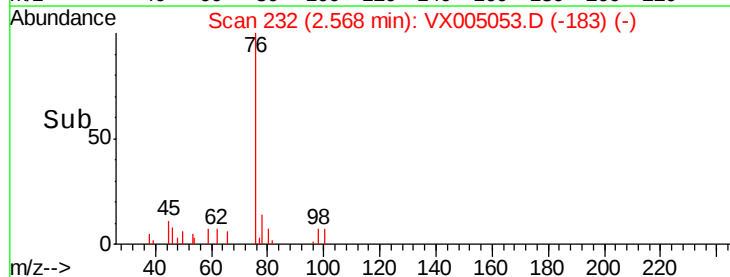
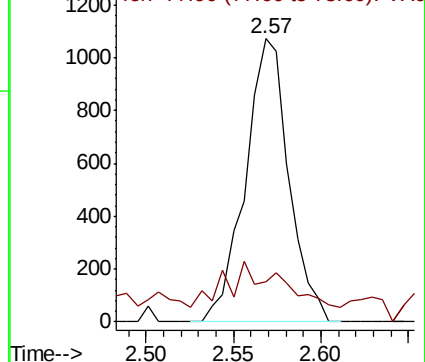
76 100

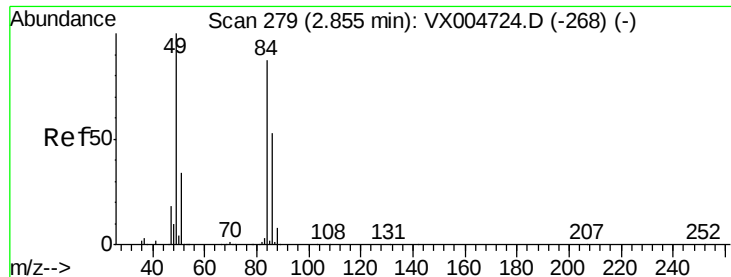
78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

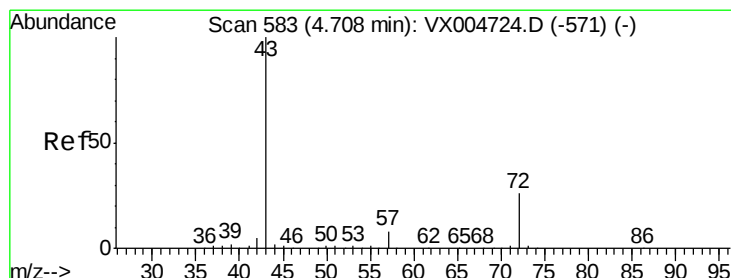
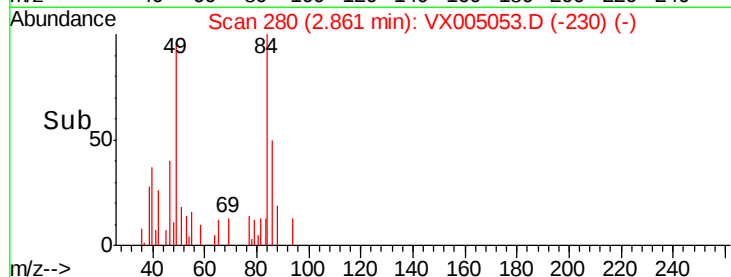
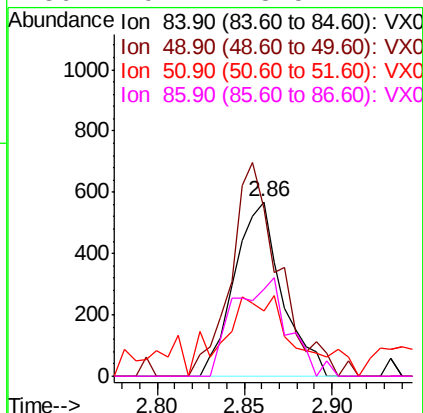
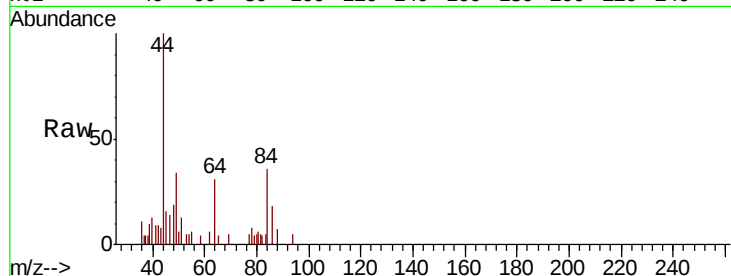




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

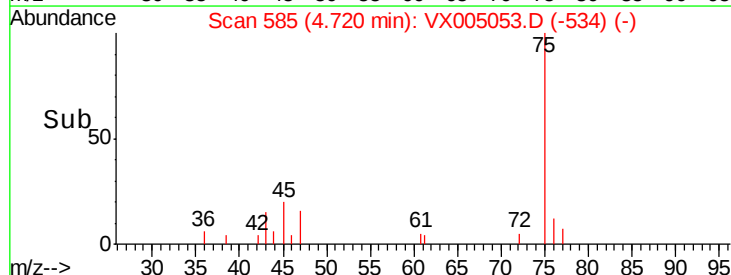
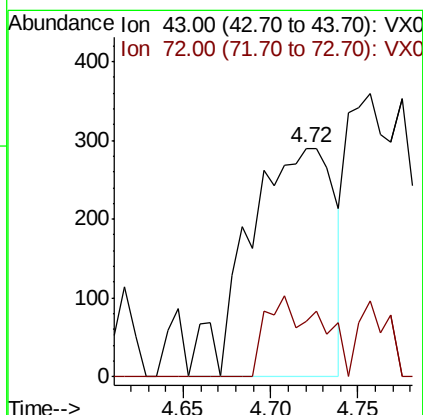
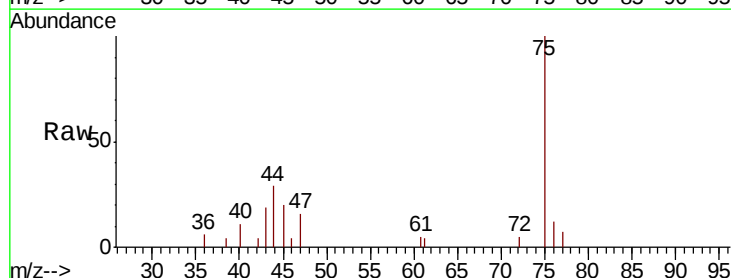
Instrument :
MSVOA_X
ClientSampleId :

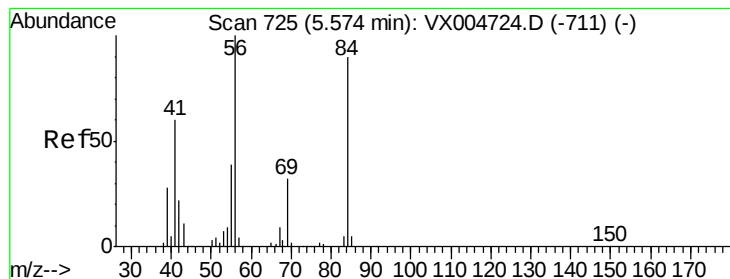
Tot Ion:	84	Resp:	1077
Ion	Ratio	Lower	Upper
84	100		
49	96.0	92.3	138.5
51	37.3	31.8	47.6
86	49.7	48.5	72.7



#25
2-Butanone
Concen: 0.350 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Tgt Ion:	43	Resp:	994
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.8	31.2





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

ClientSampleId :

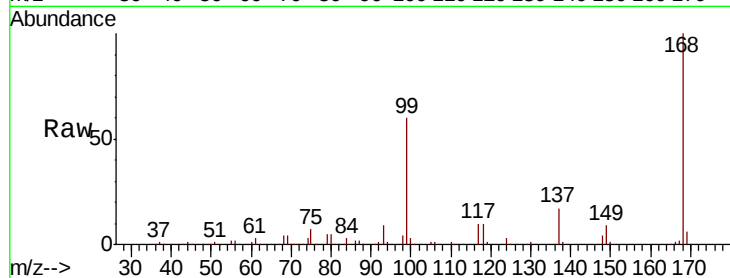
Tot Ion: 56 Resp: 4446

Ion Ratio Lower Upper

56 100

69 169.8 25.9 38.9#

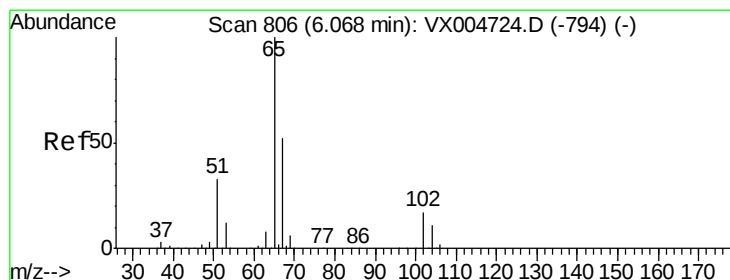
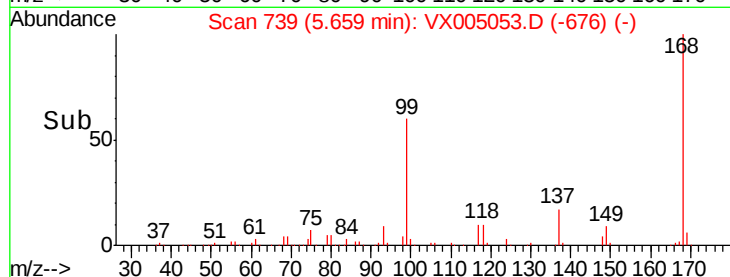
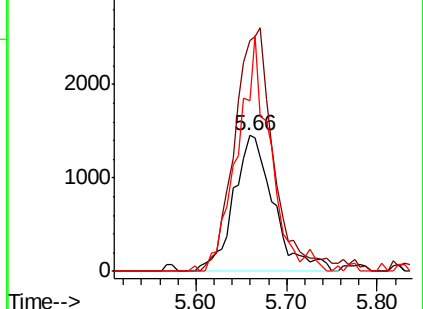
84 125.8 71.9 107.9#



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: 49.782 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005053.D

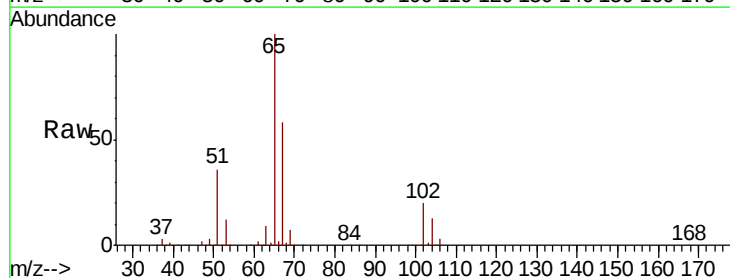
Acq: 05 Oct 2018 07:37

Tgt Ion: 65 Resp: 164097

Ion Ratio Lower Upper

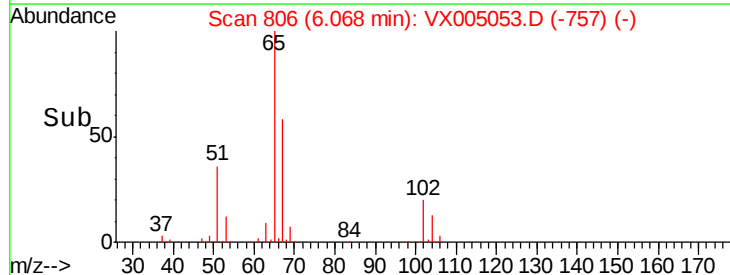
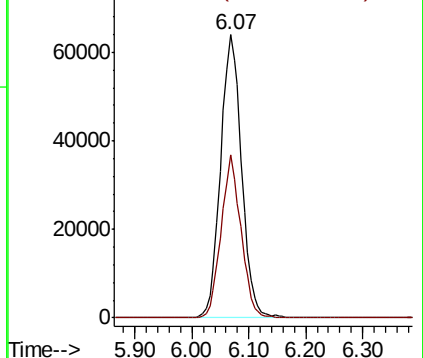
65 100

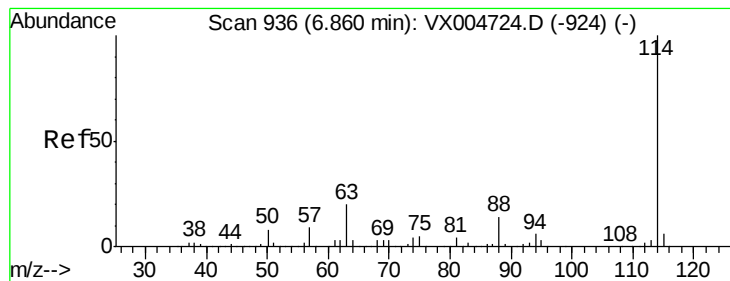
67 54.2 0.0 107.4



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: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

ClientSampleId :

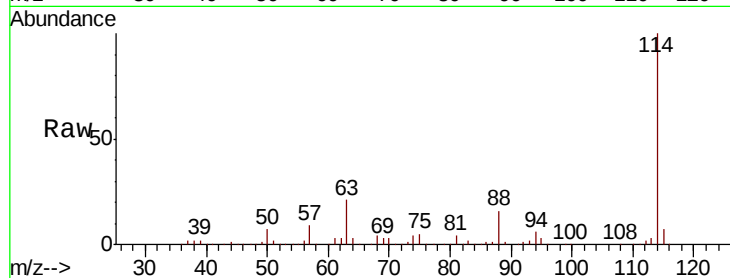
Tot Ion:114 Resp: 335134

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.8

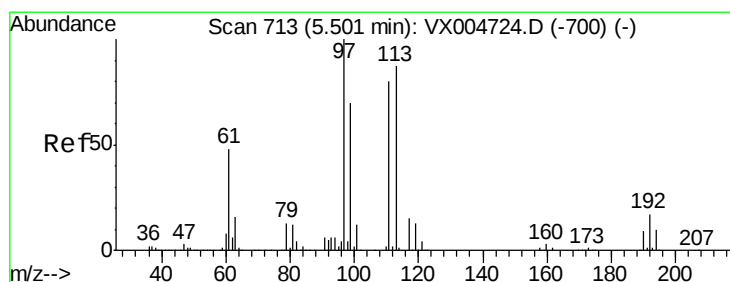
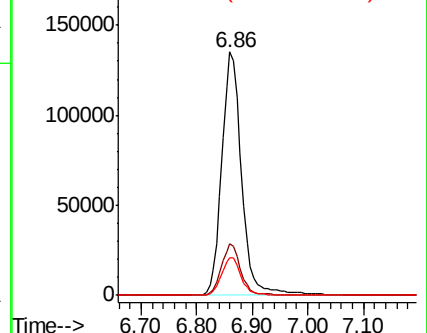
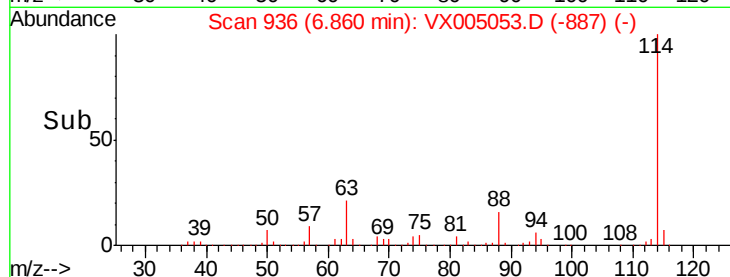
88 15.5 0.0 27.0



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: 54.095 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

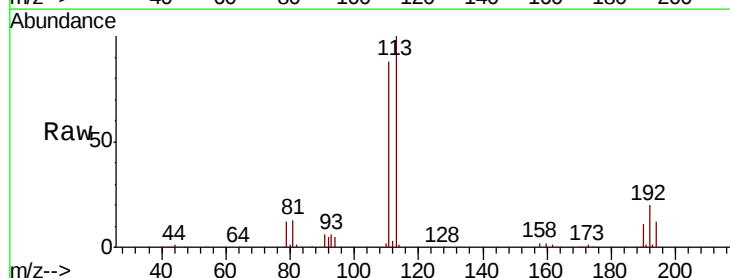
Tgt Ion:113 Resp: 153647

Ion Ratio Lower Upper

113 100

111 98.7 77.0 115.4

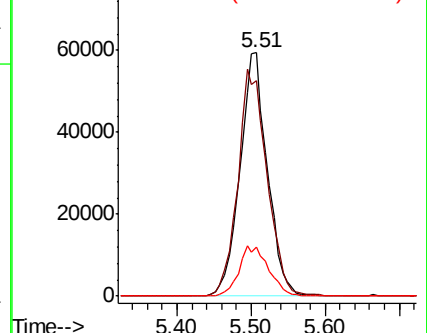
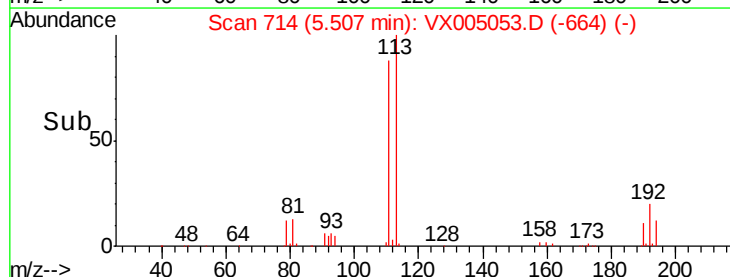
192 22.2 17.0 25.6

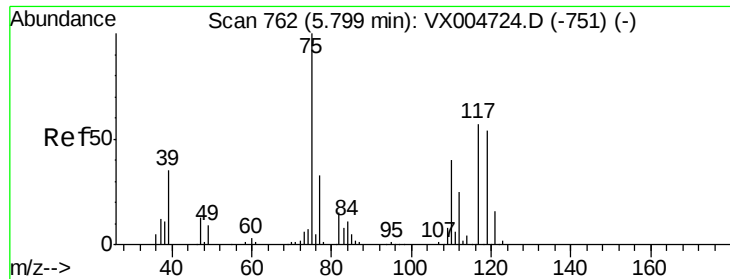


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.115 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

ClientSampleId :

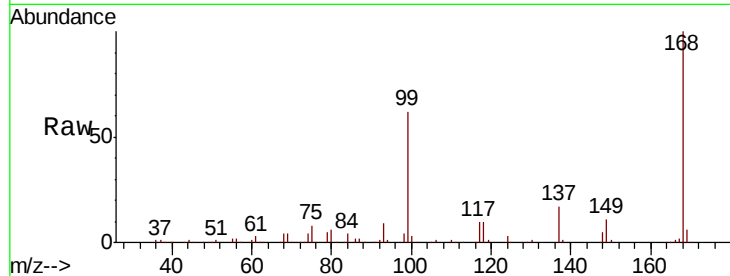
Tot Ion: 75 Resp: 15946

Ion Ratio Lower Upper

75 100

110 8.5 20.0 59.9#

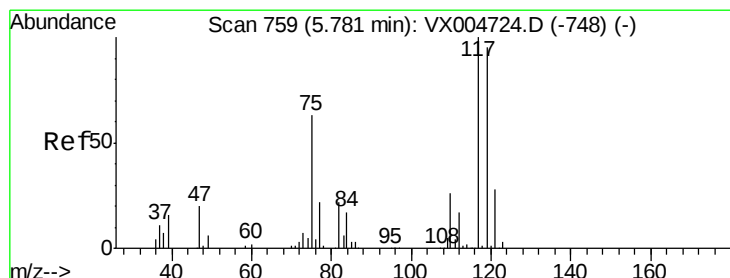
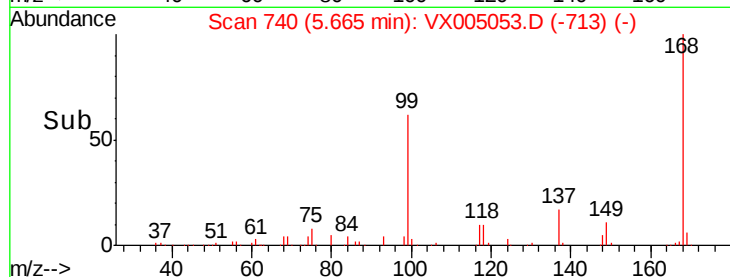
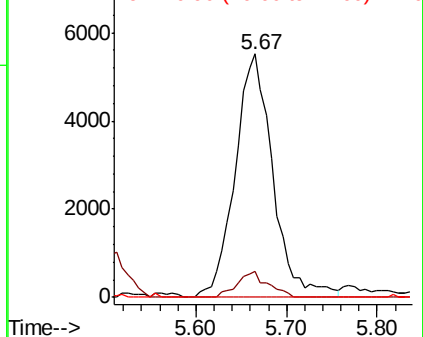
77 0.0 27.1 40.7#



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: 5.118 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

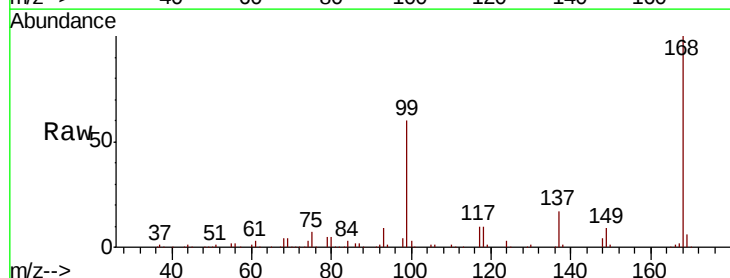
Tgt Ion: 117 Resp: 20850

Ion Ratio Lower Upper

117 100

119 6.8 75.2 112.8#

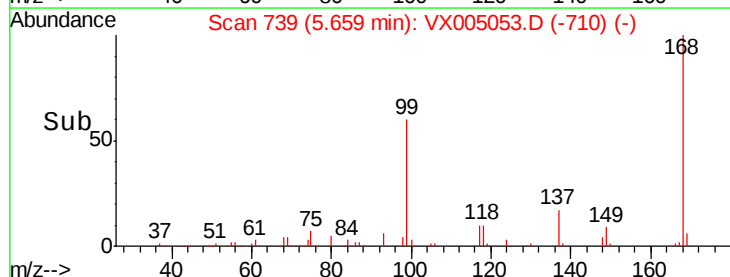
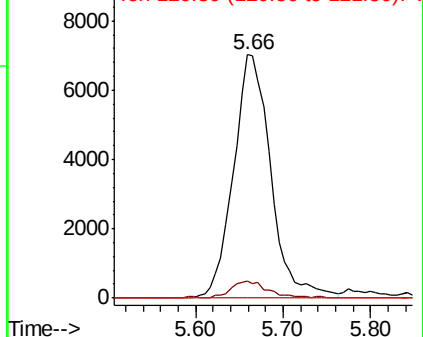
121 0.0 22.5 33.7#

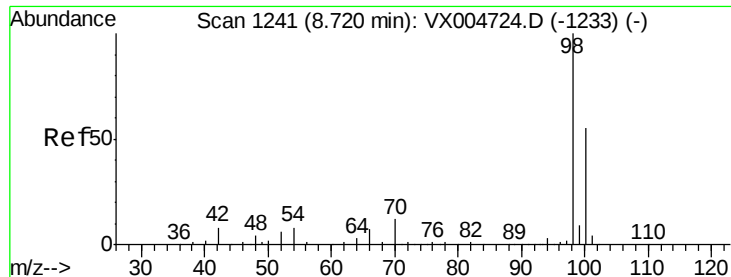


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

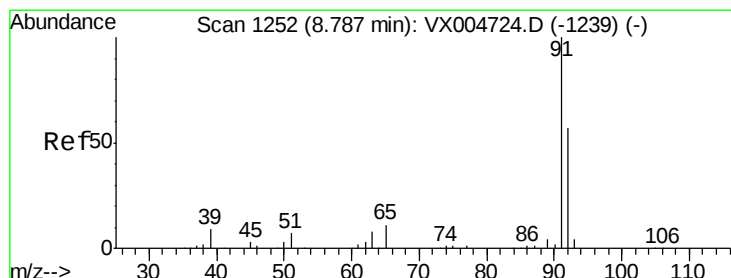
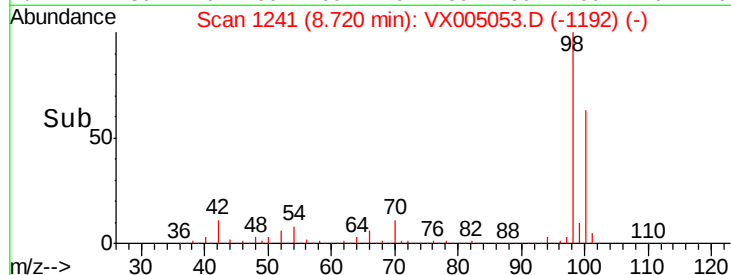
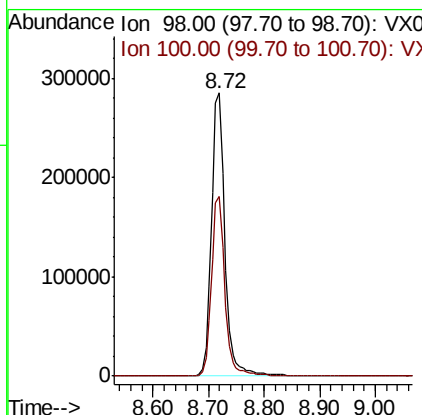
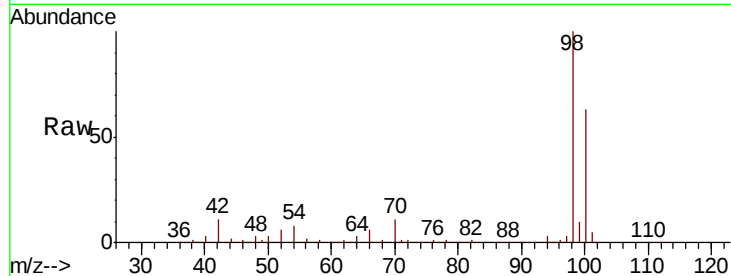




#50
Toluene-d8
Concen: 51.280 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

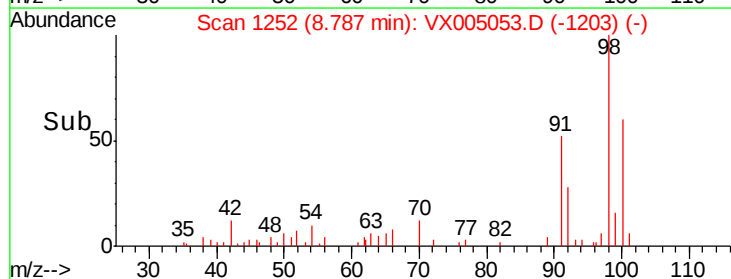
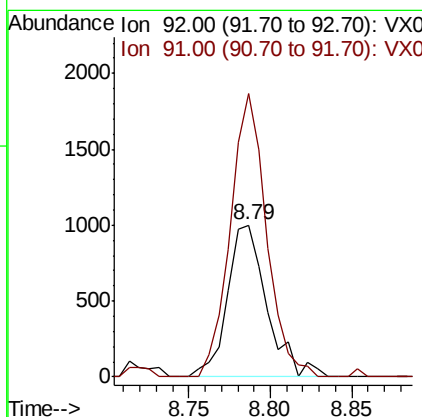
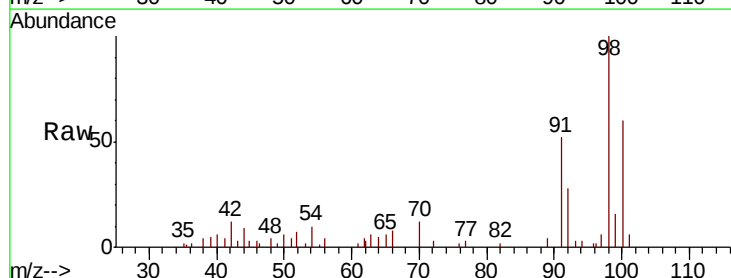
Instrument :
MSVOA_X
ClientSampleId :

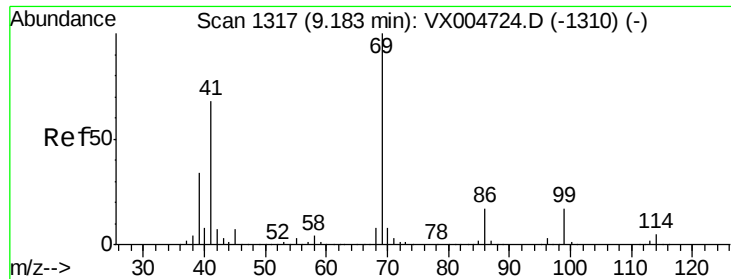
Tot Ion: 98 Resp: 484211
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#52
Toluene
Concen: 0.252 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Tgt Ion: 92 Resp: 1683
Ion Ratio Lower Upper
92 100
91 170.7 136.7 205.1

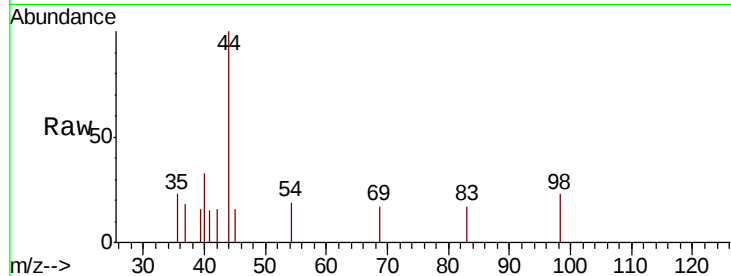




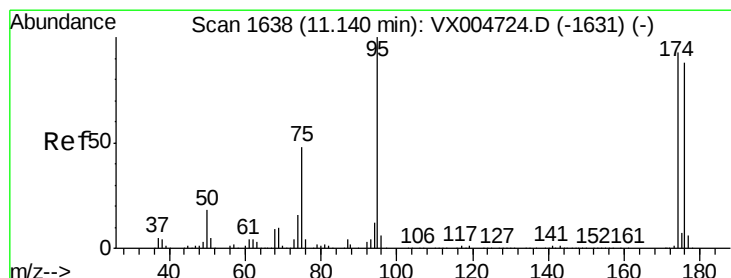
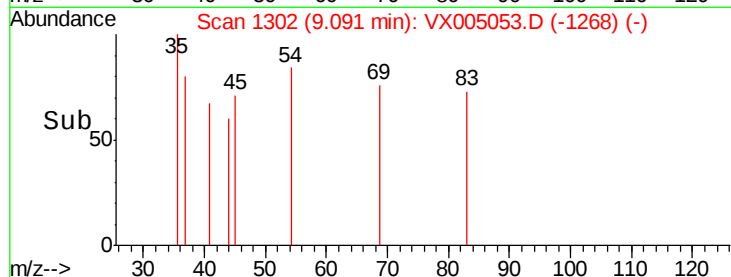
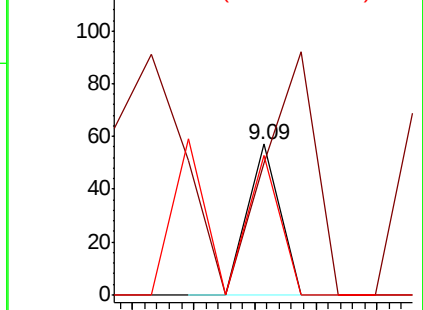
#56
 Ethyl methacrylate
 Concen: 2.866 ug/l
 RT: 9.09 min Scan# 1302
 Delta R.T. -0.09 min
 Lab File: VX005053.D
 Acq: 05 Oct 2018 07:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 69 Resp: 21
 Ion Ratio Lower Upper
 69 100
 41 247.6 56.9 85.3#
 39 0.0 28.4 42.6#

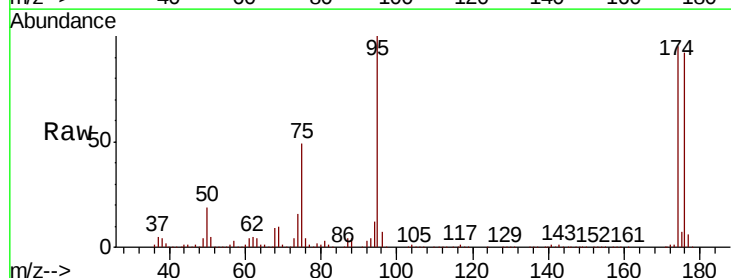


Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

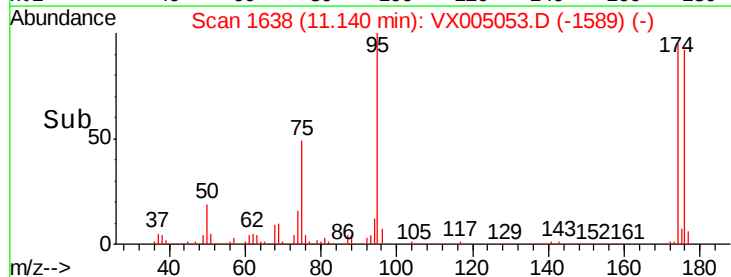
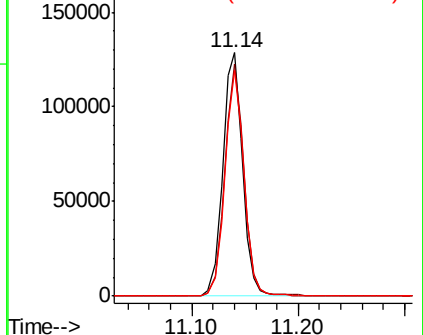


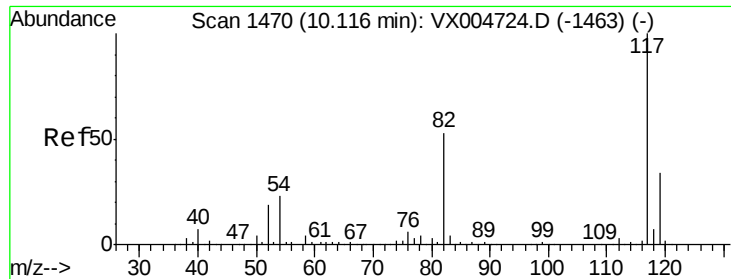
#62
 4-Bromofluorobenzene
 Concen: 49.015 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005053.D
 Acq: 05 Oct 2018 07:37

Tgt Ion: 95 Resp: 166735
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 185.0
 176 89.5 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

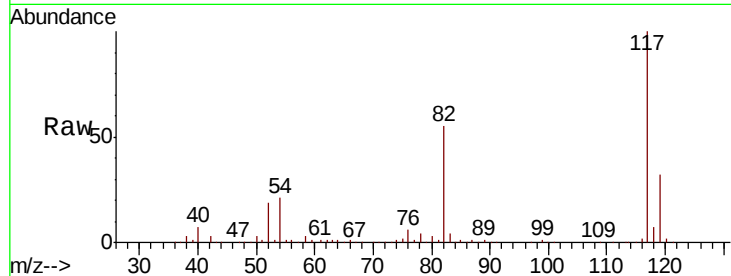




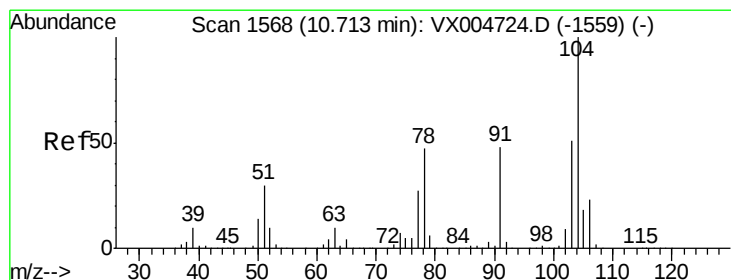
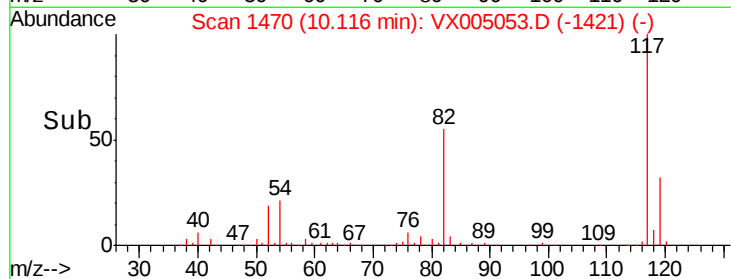
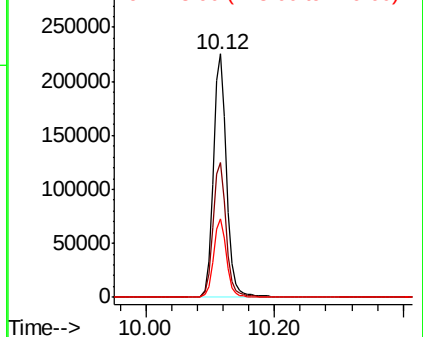
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 324879
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 32.3 27.4 41.0

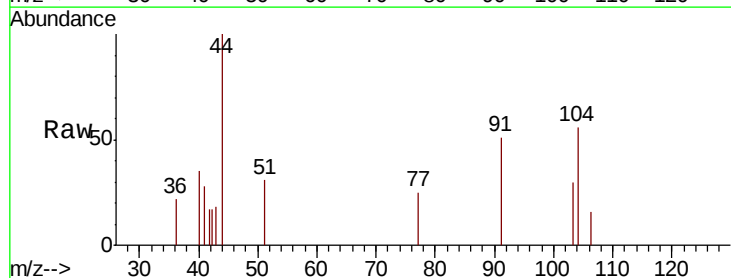


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

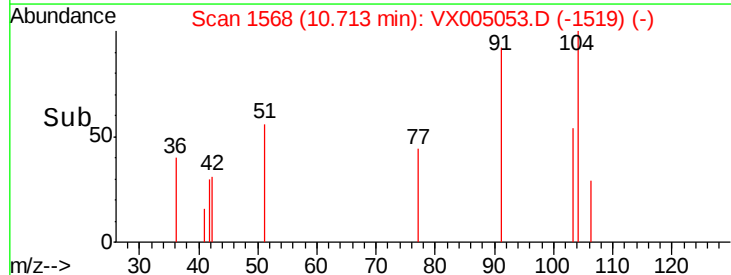
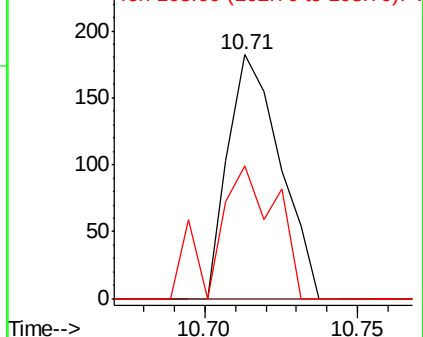


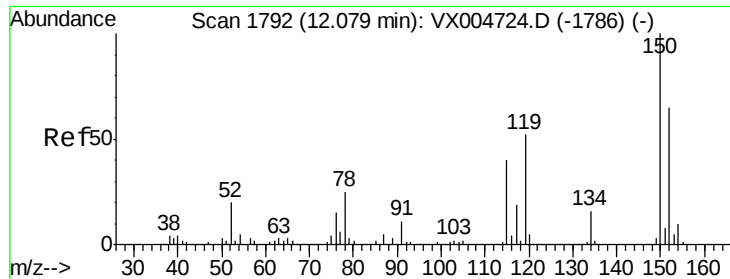
#70
Styrene
Concen: 2.164 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Tgt Ion:104 Resp: 216
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 63.0 44.3 66.5



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: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

ClientSampleId :

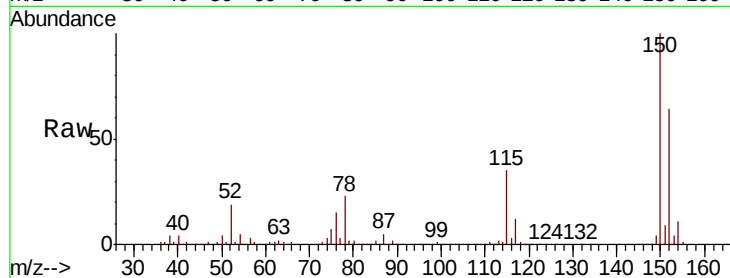
Tot Ion:152 Resp: 170928

Ion Ratio Lower Upper

152 100

115 55.5 40.2 120.6

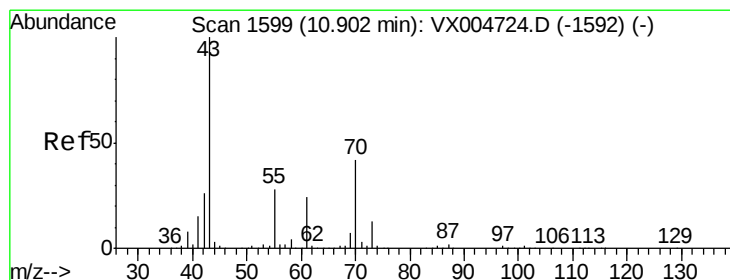
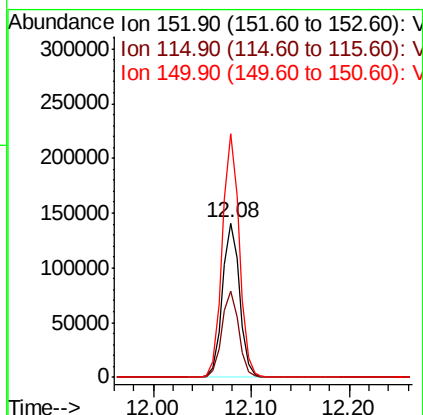
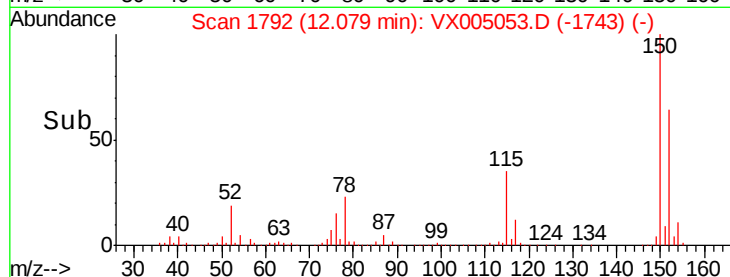
150 156.7 0.0 351.0



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: 1.776 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

Tgt Ion: 43 Resp: 172

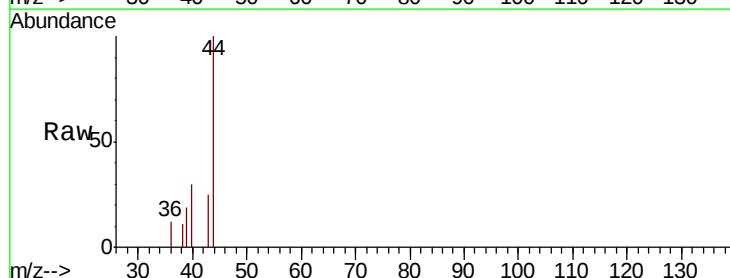
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

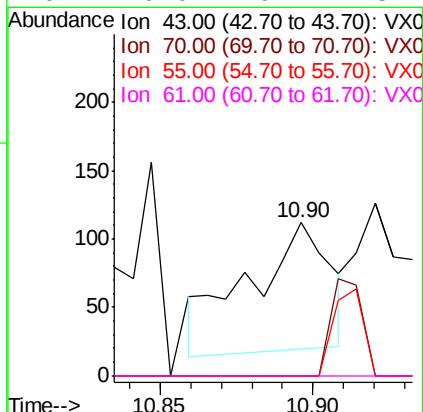
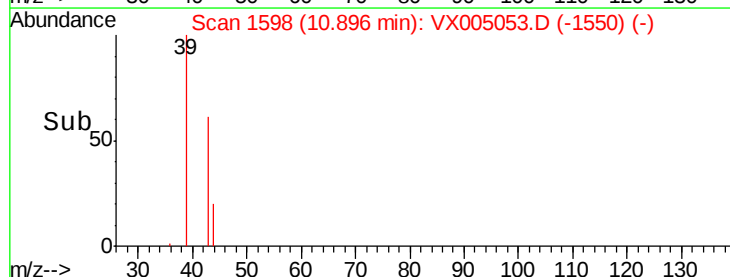


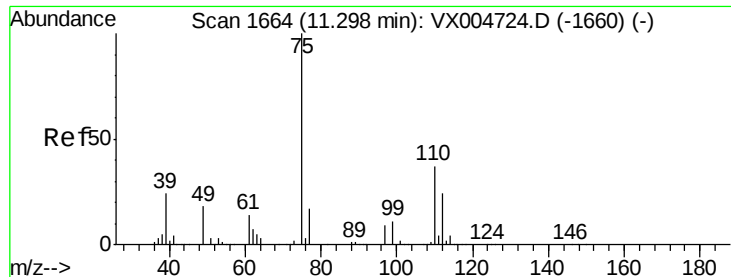
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.728 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

Instrument :

MSVOA_X

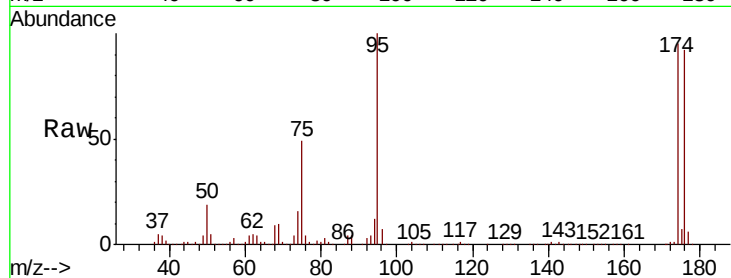
ClientSampleId :

Tot Ion: 75 Resp: 83243

Ion Ratio Lower Upper

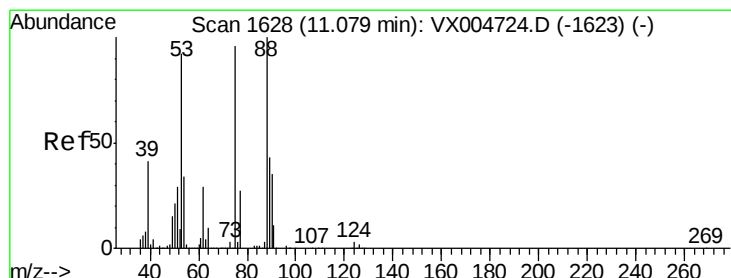
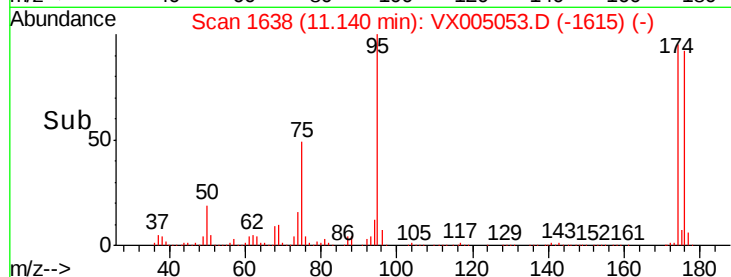
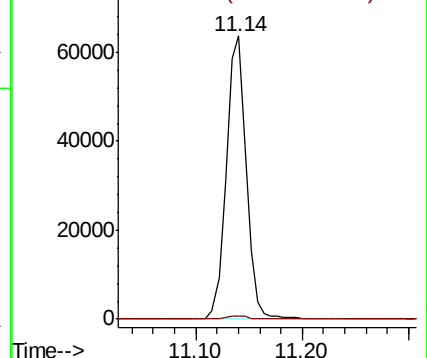
75 100

77 1.3 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: 58.893 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005053.D

Acq: 05 Oct 2018 07:37

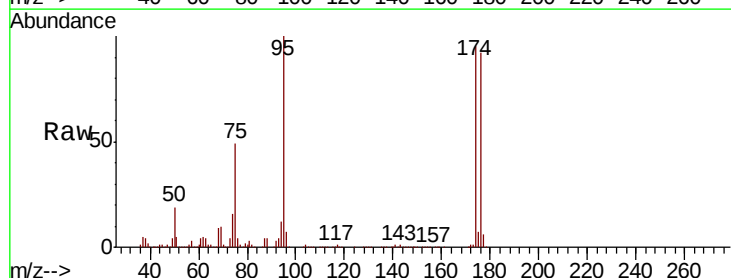
Tgt Ion: 75 Resp: 83243

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

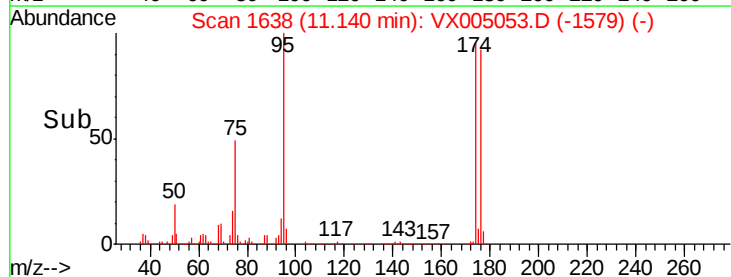
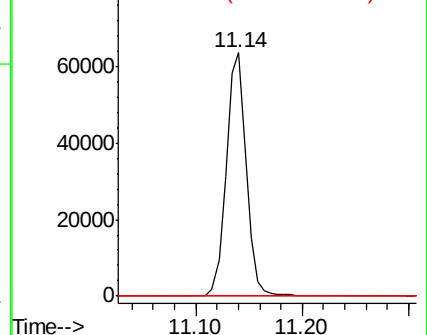
89 0.0 37.1 55.7#

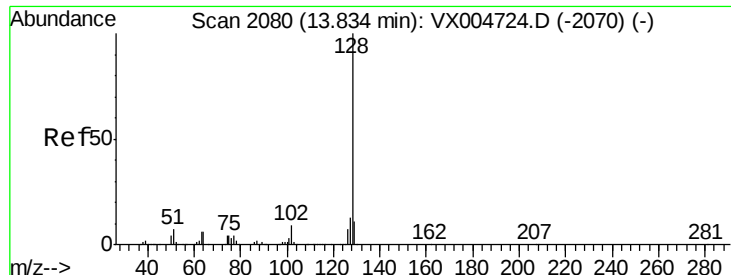


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.768 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005053.D
Acq: 05 Oct 2018 07:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.3	10.4	15.6#
129	11.1	8.7	13.1

