

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002673.D
 Acq On : 17 Jun 2018 02:56
 Operator : JC/MD
 Sample : J3509-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Quant Time: Jun 18 01:43:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149028	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	5.51	113	119201	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	8.72	98	439074	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	164866	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	98961	46.680	ug/l	97
3) Chloromethane	1.32	50	115015	45.607	ug/l	100
4) Vinyl Chloride	1.41	62	128342	49.043	ug/l	99
5) Bromomethane	1.64	94	68143	43.156	ug/l	97
6) Chloroethane	1.73	64	86740	50.289	ug/l	98
7) Trichlorofluoromethane	1.93	101	218956	51.499	ug/l	98
8) Diethyl Ether	2.19	74	79298	49.037	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118852	50.010	ug/l	99
10) Methyl Iodide	2.51	142	124338	39.932	ug/l	98
11) Tert butyl alcohol	3.07	59	131146	209.050	ug/l	98
12) 1,1-Dichloroethene	2.38	96	110744	49.631	ug/l	94
13) Acrolein	2.30	56	58008	198.688	ug/l	99
14) Allyl chloride	2.73	41	210561	47.526	ug/l	98
15) Acrylonitrile	3.15	53	334329	244.222	ug/l	99
16) Acetone	2.45	43	307054	229.342	ug/l	99
17) Carbon Disulfide	2.57	76	274003	51.775	ug/l	98
18) Methyl Acetate	2.78	43	163033	45.708	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	413050	49.345	ug/l	99
20) Methylene Chloride	2.86	84	126200	45.972	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	120482	49.772	ug/l	96
22) Diisopropyl ether	3.87	45	395036	49.283	ug/l	94
23) Vinyl Acetate	3.83	43	1517855	226.249	ug/l	99
24) 1,1-Dichloroethane	3.70	63	227099	52.201	ug/l	99
25) 2-Butanone	4.71	43	431081	245.174	ug/l	100
26) 2,2-Dichloropropane	4.59	77	117475	37.580	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	126121	51.206	ug/l	91
28) Bromochloromethane	5.03	49	109400	53.696	ug/l	98
29) Tetrahydrofuran	5.17	42	284846	247.191	ug/l	97
30) Chloroform	5.22	83	222572	53.054	ug/l	97
31) Cyclohexane	5.58	56	176898	49.386	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	192403	54.835	ug/l	99
36) 1,1-Dichloropropene	5.81	75	157355	51.086	ug/l	99
37) Ethyl Acetate	4.87	43	158834	45.559	ug/l	100
38) Carbon Tetrachloride	5.79	117	164959	53.782	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175353	48.698	ug/l	98
40) Benzene	6.15	78	477417	51.691	ug/l	99
41) Methacrylonitrile	5.07	41	100499	51.055	ug/l	98
42) 1,2-Dichloroethane	6.20	62	186288	52.097	ug/l	100
43) Isopropyl Acetate	6.47	43	272423	47.163	ug/l	99
44) Trichloroethene	7.22	130	134838	50.581	ug/l	98
45) 1,2-Dichloropropane	7.52	63	126314	51.965	ug/l	99
46) Dibromomethane	7.67	93	88003	54.123	ug/l	99
47) Bromodichloromethane	7.90	83	160200	55.861	ug/l	99
48) Methyl methacrylate	7.78	41	149489	50.644	ug/l	97
49) 1,4-Dioxane	7.76	88	48020	859.052	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	950063	256.168	ug/l	100
52) Toluene	8.79	92	305674	51.883	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	177013	46.790	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	165100	45.873	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	127398	53.515	ug/l	98
56) Ethyl methacrylate	9.19	69	190729	52.061	ug/l	98
57) 1,3-Dichloropropane	9.38	76	207414	51.514	ug/l	100
59) 2-Hexanone	9.50	43	714470	255.653	ug/l	99
60) Dibromochloromethane	9.59	129	133604	49.899	ug/l	99
61) 1,2-Dibromoethane	9.68	107	133565	54.173	ug/l	100
64) Tetrachloroethene	9.34	164	139213	44.836	ug/l	98
65) Chlorobenzene	10.14	112	353859	51.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	130080	55.544	ug/l	99
67) Ethyl Benzene	10.26	91	587949	50.744	ug/l	100
68) m/p-Xylenes	10.36	106	462118	103.395	ug/l	98
69) o-Xylene	10.70	106	223537	50.905	ug/l	98
70) Stvrene	10.71	104	377273	52.242	ug/l	99
71) Bromoform	10.86	173	100137	47.260	ug/l #	100
73) Isopropylbenzene	11.02	105	600320	51.227	ug/l	100
74) N-amyl acetate	6.47	43	272423	46.788	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	190192	54.958	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	208449	63.044	ug/l	80
77) Bromobenzene	11.26	156	172547	52.851	ug/l	96
78) n-propylbenzene	11.37	91	680828	50.658	ug/l	100
79) 2-Chlorotoluene	11.43	91	403952	50.341	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	497680	50.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	43790	43.016	ug/l	95
82) 4-Chlorotoluene	11.51	91	484475	51.168	ug/l	99
83) tert-Butylbenzene	11.77	119	499769	52.383	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	518643	51.322	ug/l	98
85) sec-Butylbenzene	11.95	105	604873	50.987	ug/l	100
86) p-Isopropyltoluene	12.07	119	546896	50.950	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	305102	50.958	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	309130	50.743	ug/l	99
89) n-Butylbenzene	12.39	91	474365	50.096	ug/l	99
90) Hexachloroethane	12.60	117	78331	46.982	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	311121	51.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40998	56.558	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	224762	51.392	ug/l	99

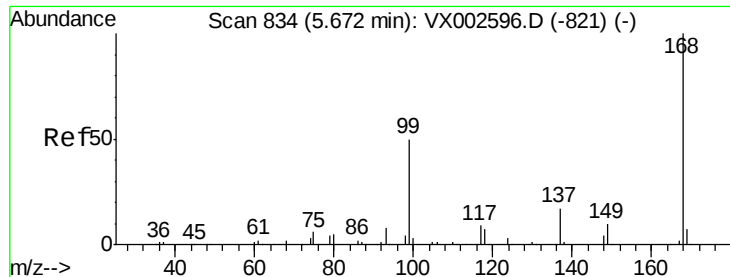
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	108885	47.262	ug/l	99
95) Naphthalene	13.84	128	634993	53.956	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	226500	51.565	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

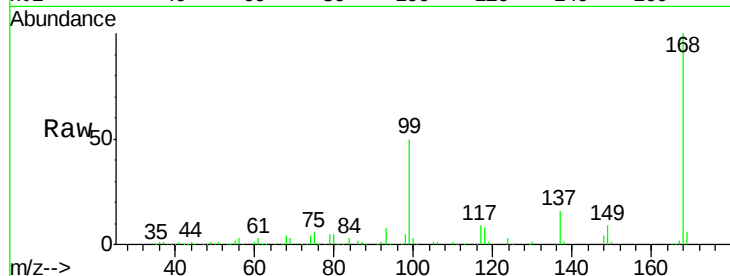
MWHR2-6-061318MS

Tot Ion:168 Resp: 199697

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

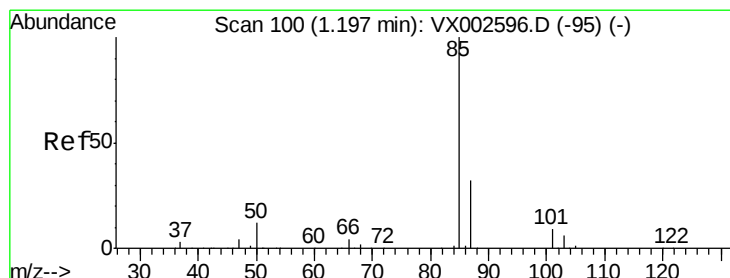
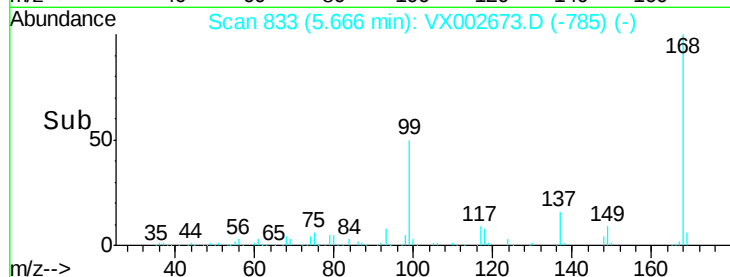
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.680 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002673.D

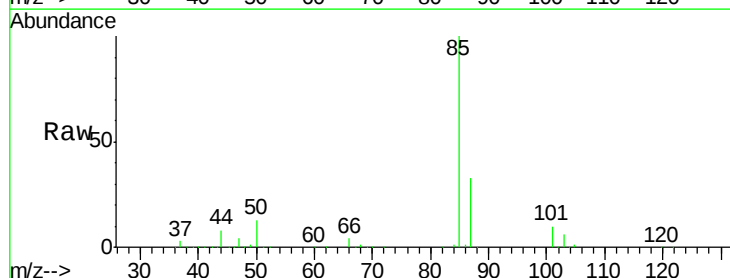
Acq: 17 Jun 2018 02:56

Tgt Ion: 85 Resp: 98961

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

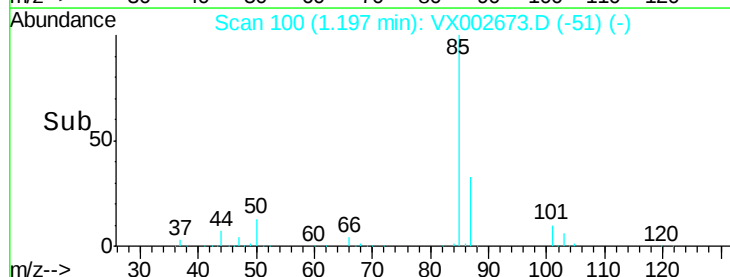
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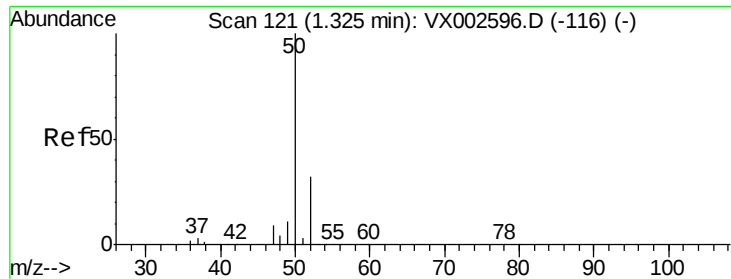
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.607 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

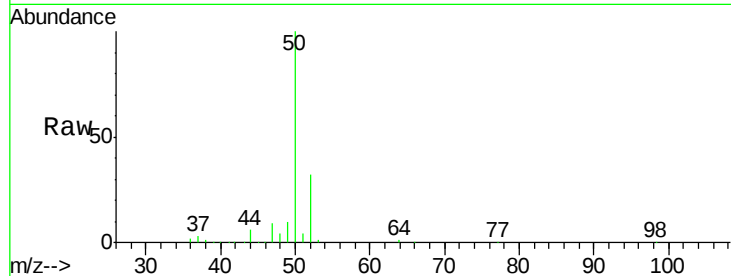
MWHR2-6-061318MS

Tot Ion: 50 Resp: 115015

Ion Ratio Lower Upper

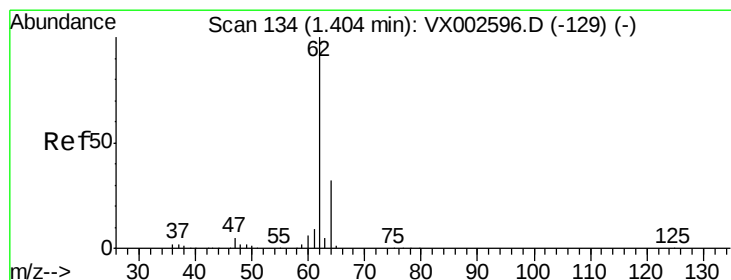
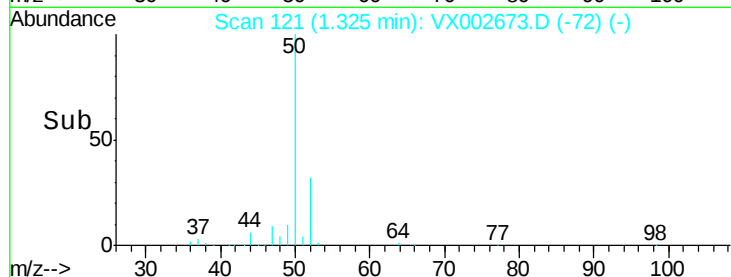
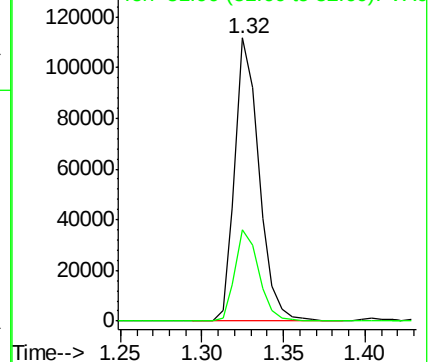
50 100

52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.043 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002673.D

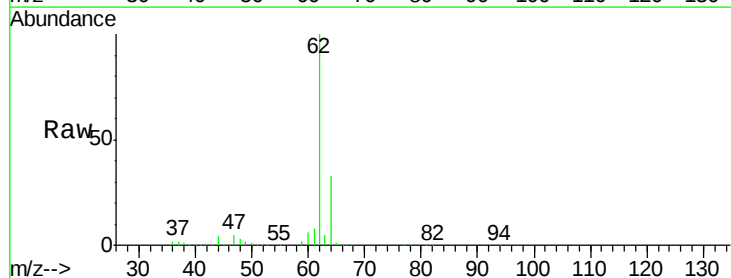
Acq: 17 Jun 2018 02:56

Tgt Ion: 62 Resp: 128342

Ion Ratio Lower Upper

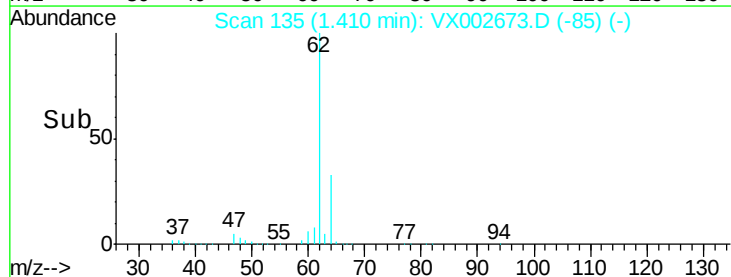
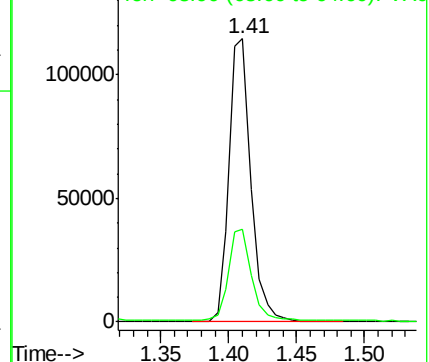
62 100

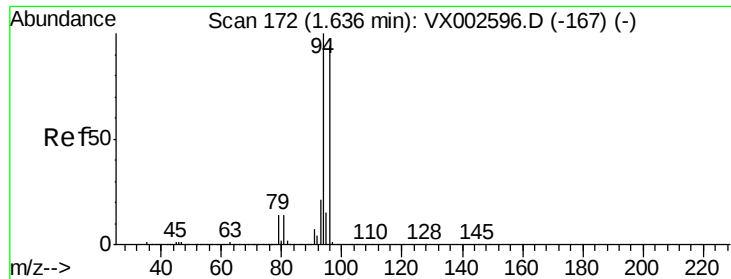
64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.156 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

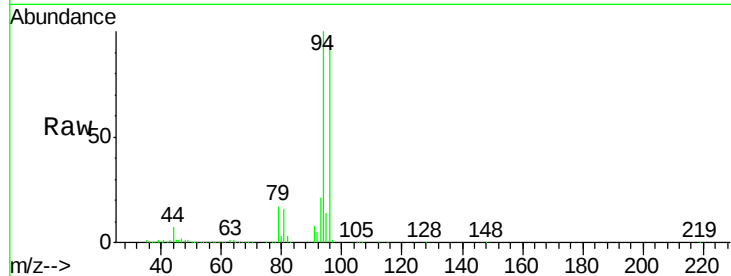
MWHR2-6-061318MS

Tot Ion: 94 Resp: 68143

Ion Ratio Lower Upper

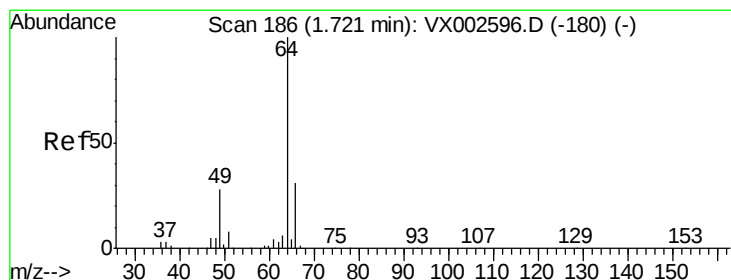
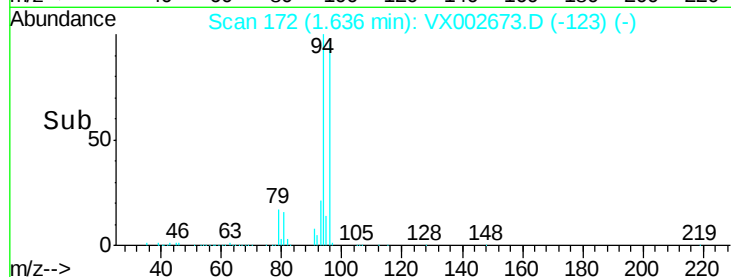
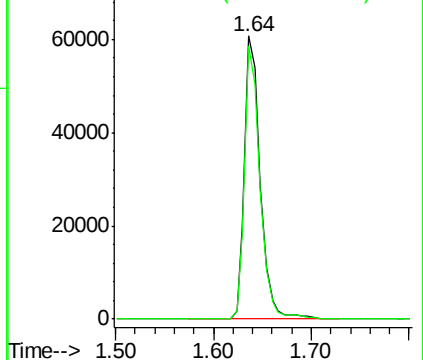
94 100

96 96.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.289 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002673.D

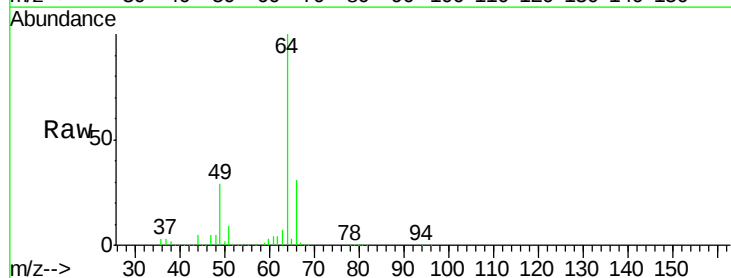
Acq: 17 Jun 2018 02:56

Tgt Ion: 64 Resp: 86740

Ion Ratio Lower Upper

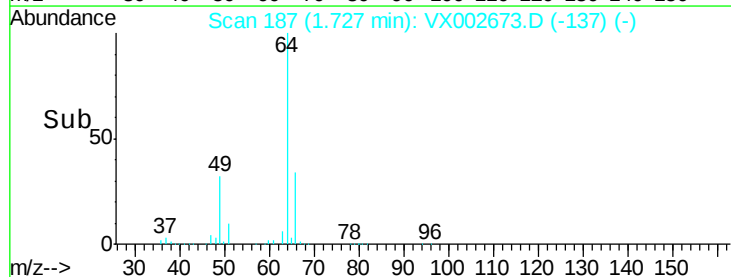
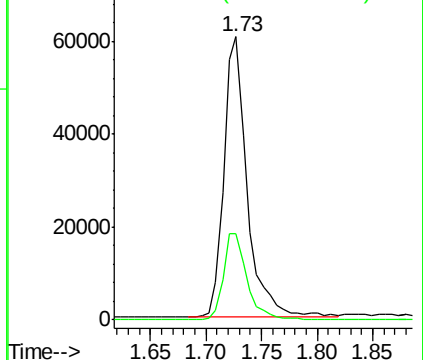
64 100

66 30.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



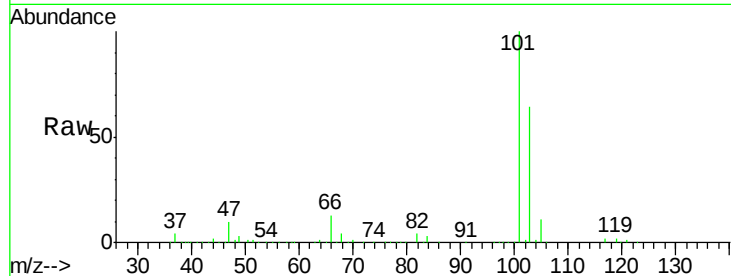


#7

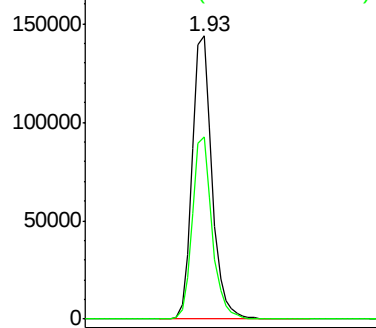
Trichlorofluoromethane
 Concen: 51.499 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

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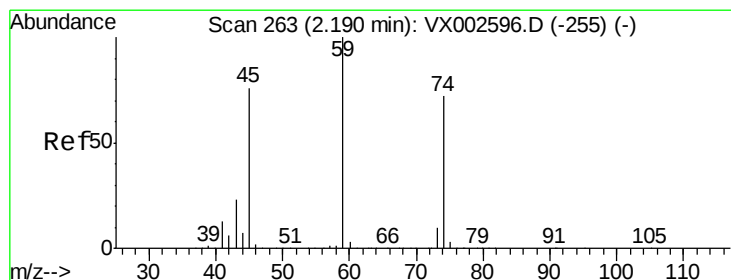
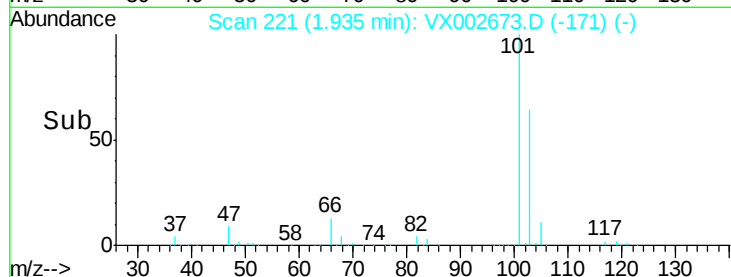
Tot Ion:101 Resp: 218956
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



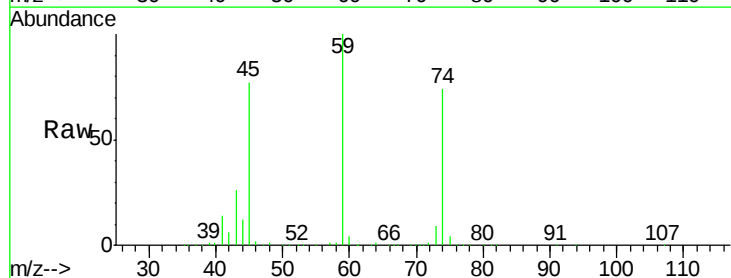
Time-->



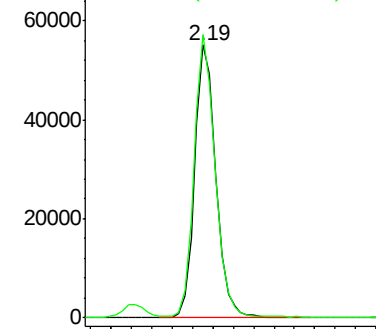
#8

Diethyl Ether
 Concen: 49.037 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

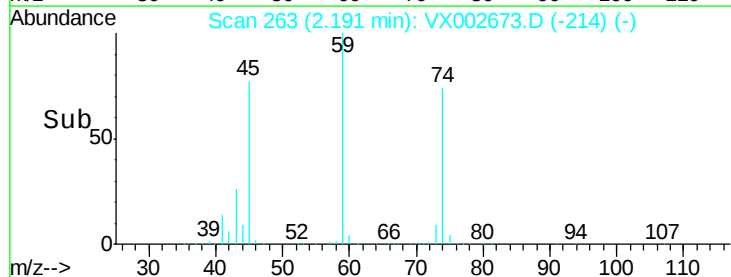
Tgt Ion: 74 Resp: 79298
 Ion Ratio Lower Upper
 74 100
 45 102.8 53.1 159.4

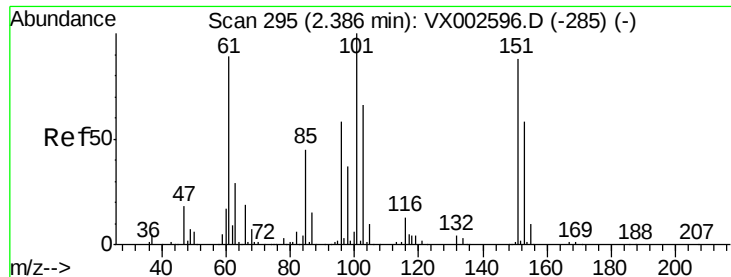


Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.010 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

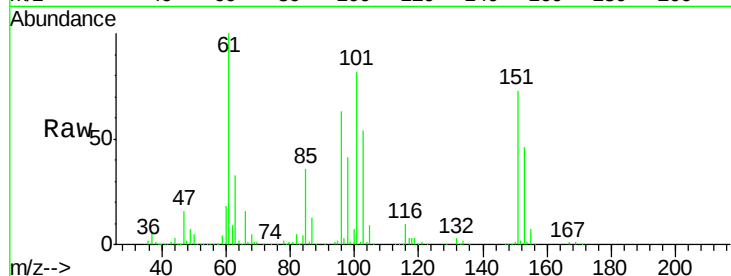
Tot Ion:101 Resp: 118852

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

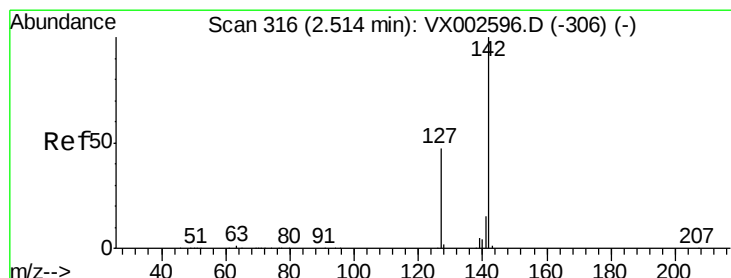
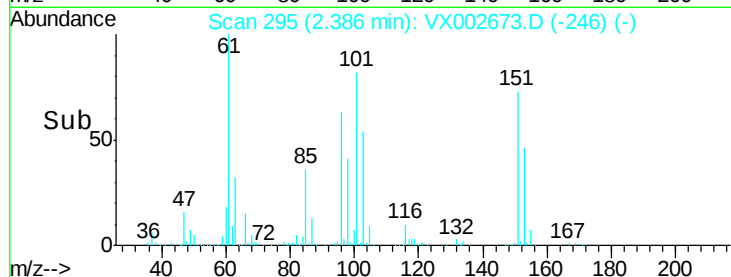
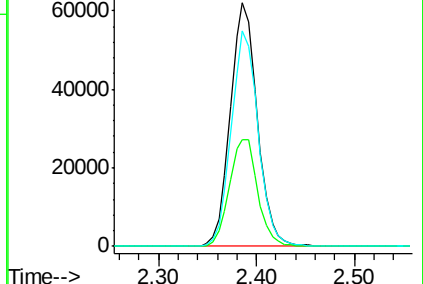
151 88.2 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.932 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

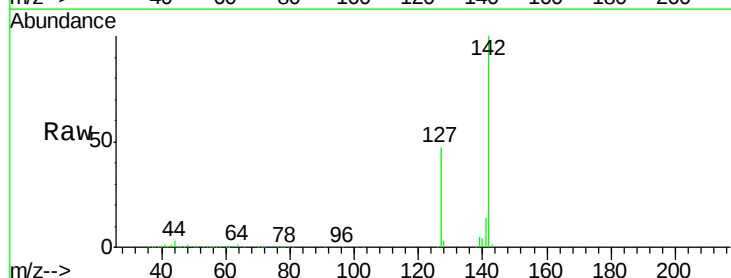
Tgt Ion:142 Resp: 124338

Ion Ratio Lower Upper

142 100

127 47.0 36.6 55.0

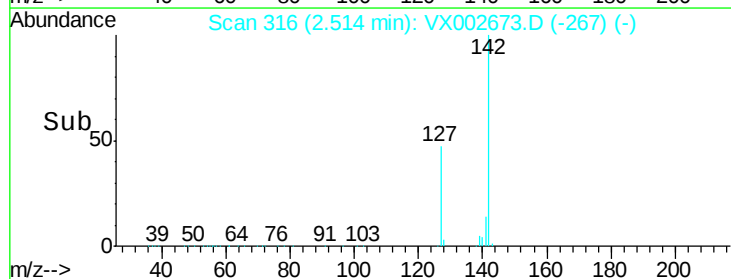
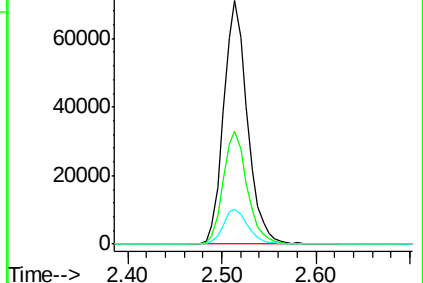
141 14.8 11.3 16.9

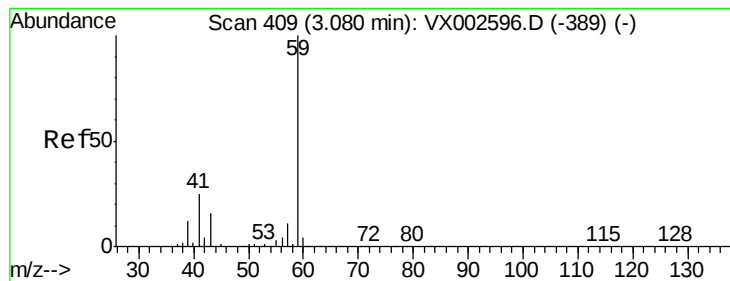


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



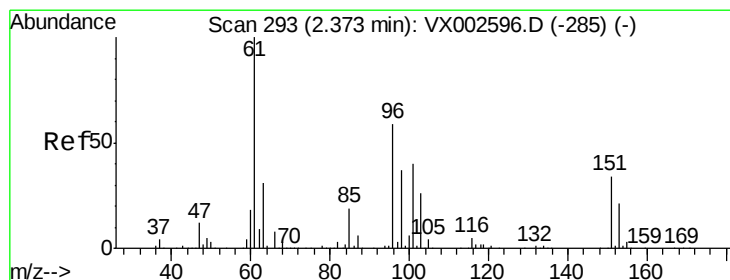
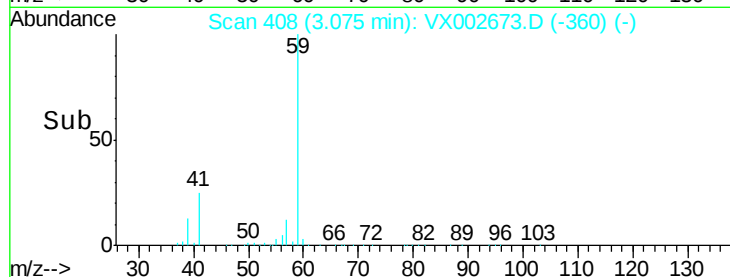
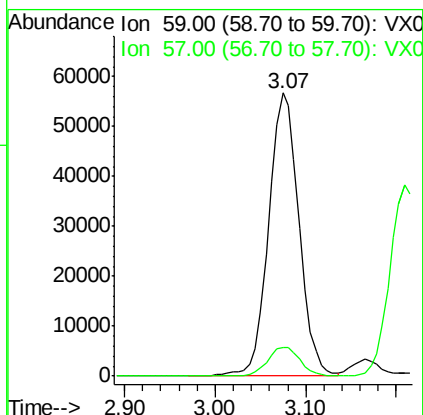
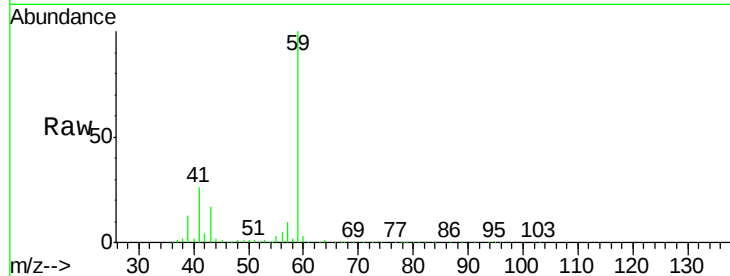


#11

Tert butyl alcohol
Concen: 209.050 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

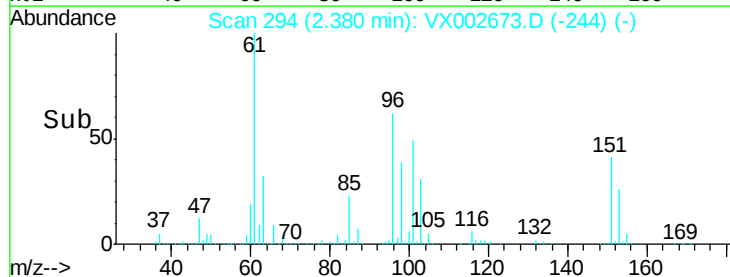
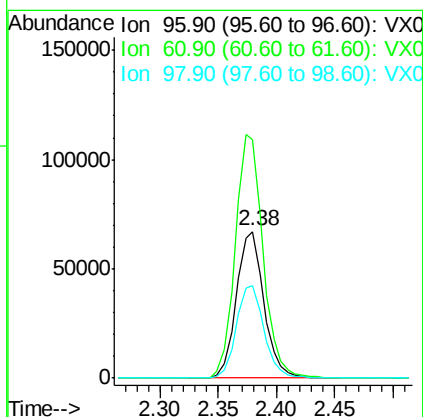
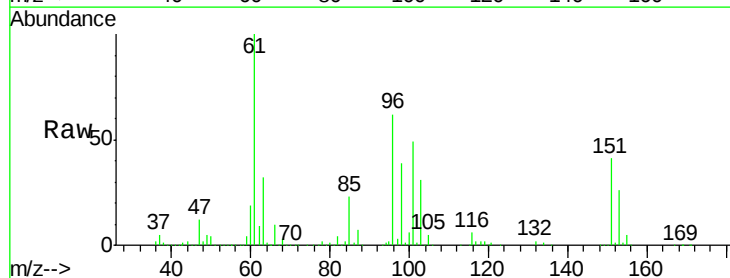
Tot Ion: 59 Resp: 131146
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

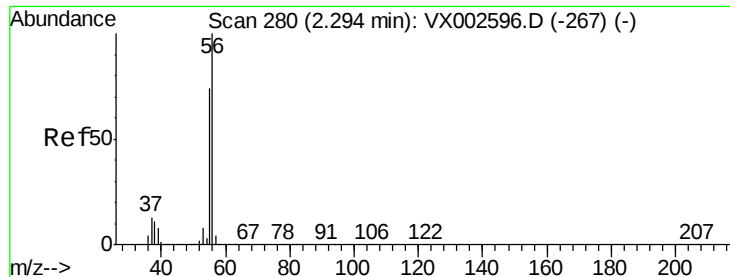


#12

1,1-Dichloroethene
Concen: 49.631 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 96 Resp: 110744
Ion Ratio Lower Upper
96 100
61 162.0 137.9 206.9
98 63.1 51.6 77.4





#13

Acrolein

Concen: 198.688 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

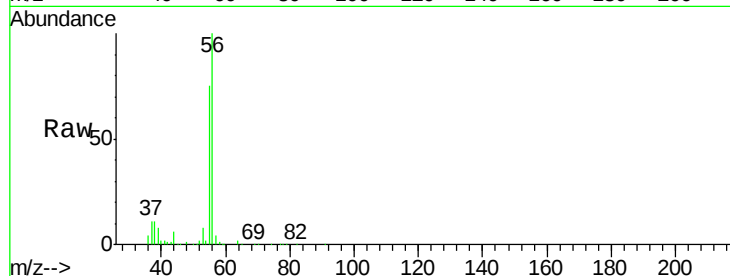
MWHR2-6-061318MS

Tot Ion: 56 Resp: 58008

Ion Ratio Lower Upper

56 100

55 72.4 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

40000

30000

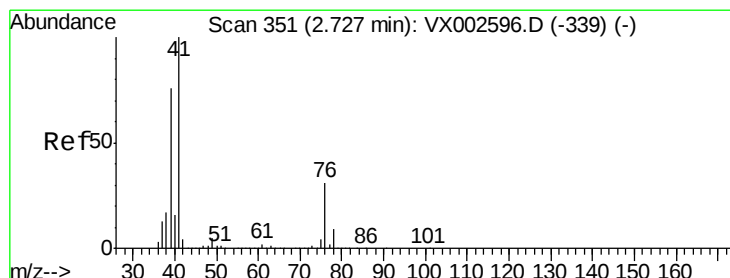
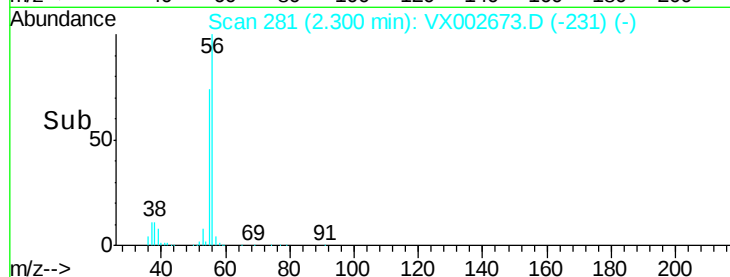
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 47.526 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

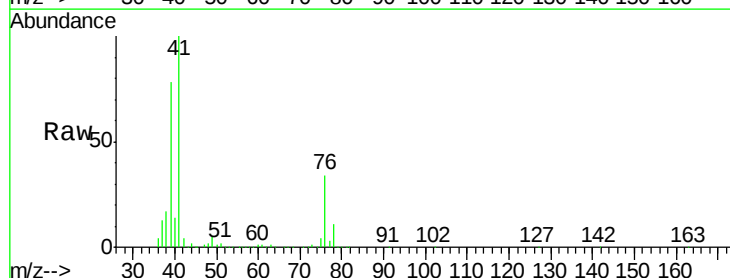
Tgt Ion: 41 Resp: 210561

Ion Ratio Lower Upper

41 100

39 73.4 56.8 85.2

76 30.4 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

150000

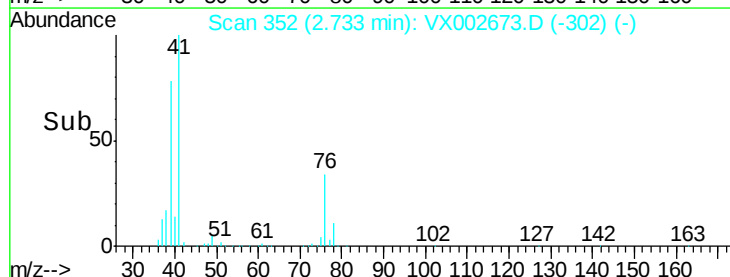
100000

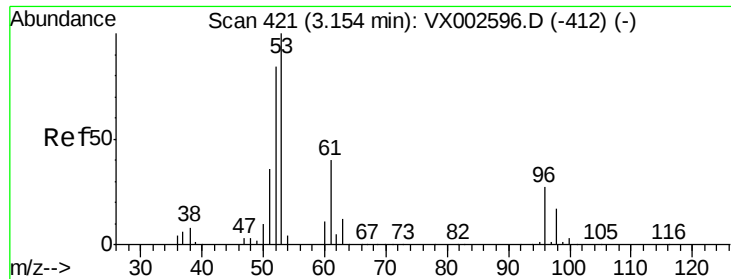
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 244.222 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

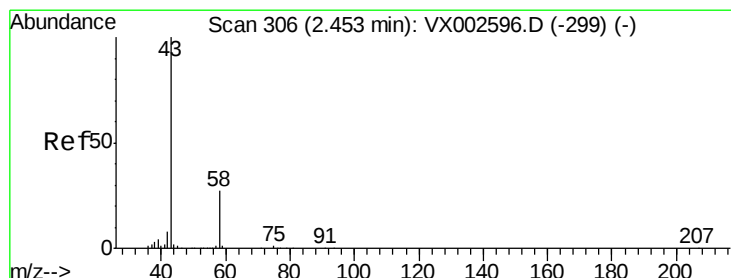
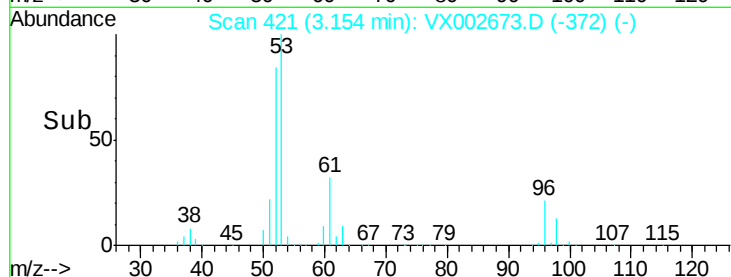
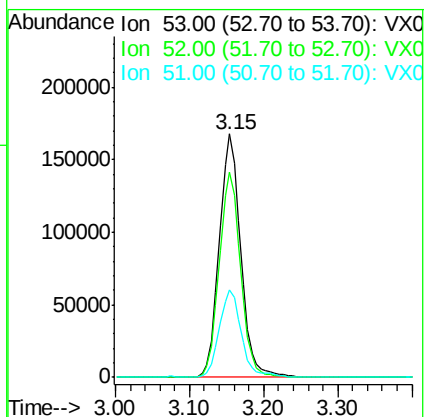
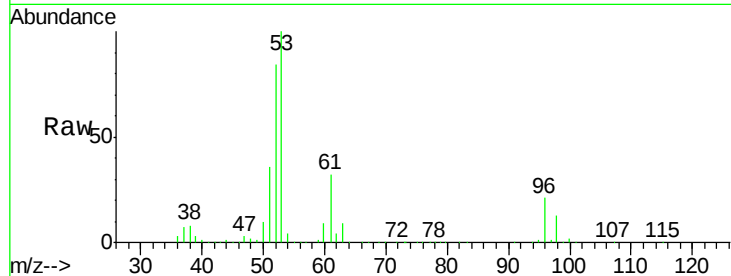
Tot Ion: 53 Resp: 334329

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

51 36.8 29.9 44.9



#16

Acetone

Concen: 229.342 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002673.D

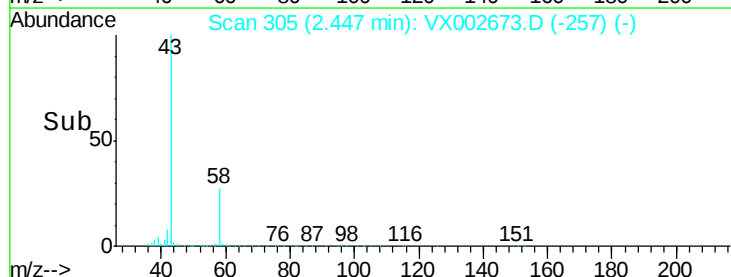
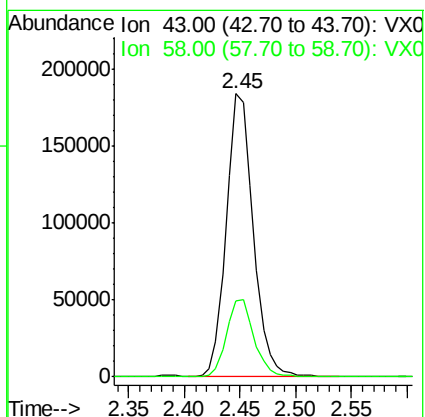
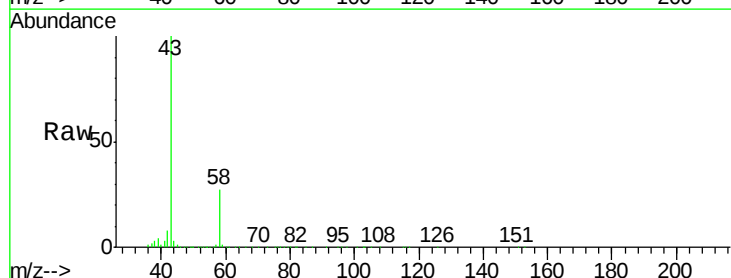
Acq: 17 Jun 2018 02:56

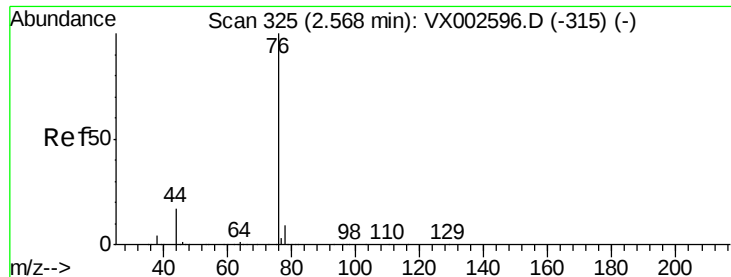
Tgt Ion: 43 Resp: 307054

Ion Ratio Lower Upper

43 100

58 26.8 22.1 33.1

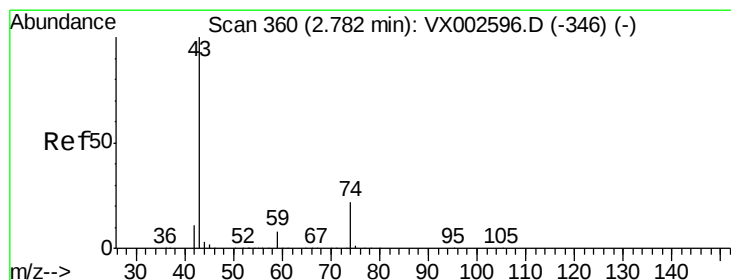
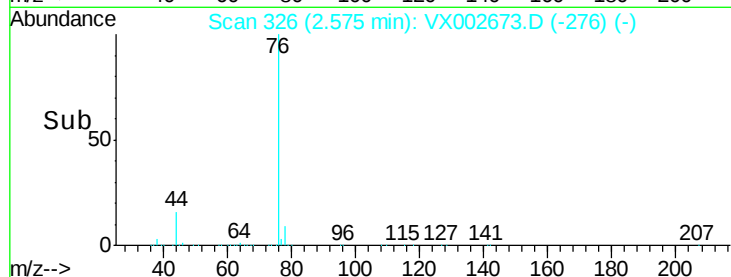
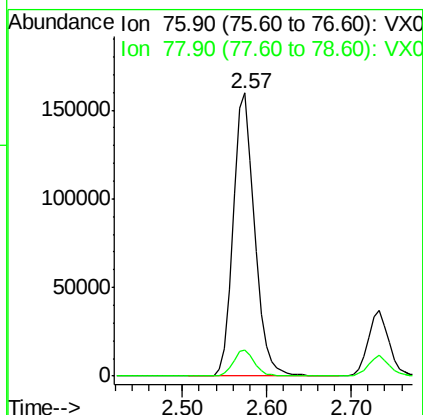
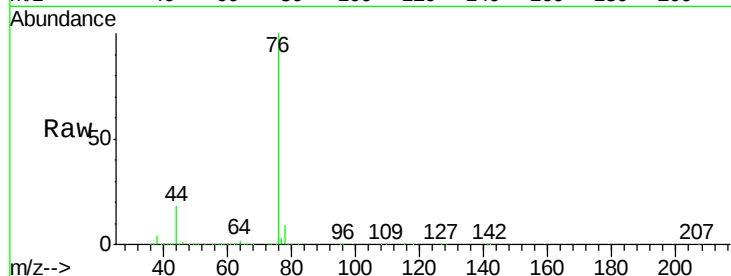




#17
Carbon Disulfide
Concen: 51.775 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

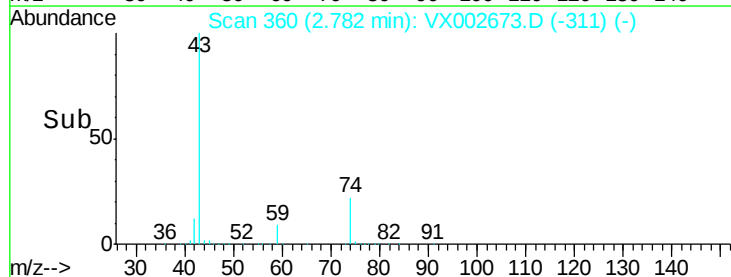
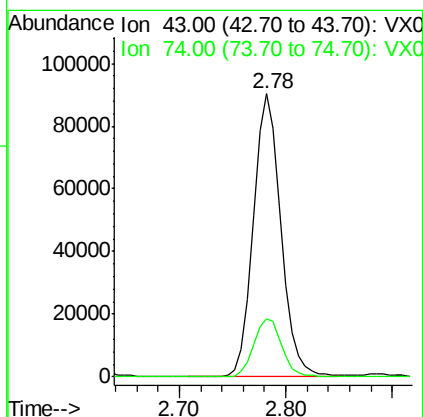
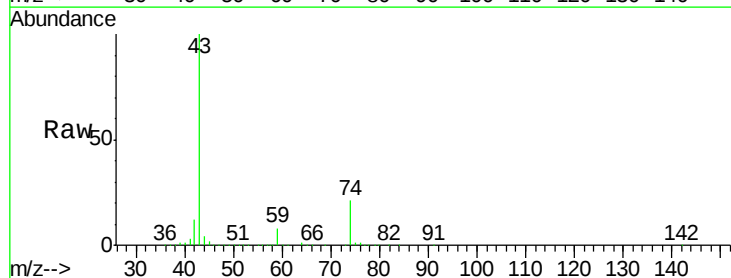
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

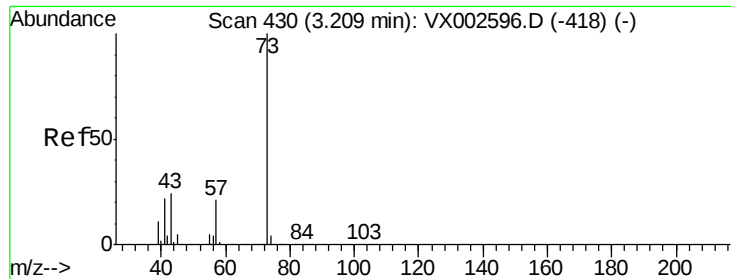
Tot Ion: 76 Resp: 274003
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 45.708 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 43 Resp: 163033
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1

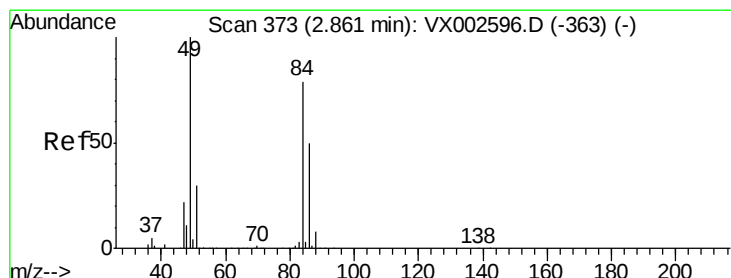
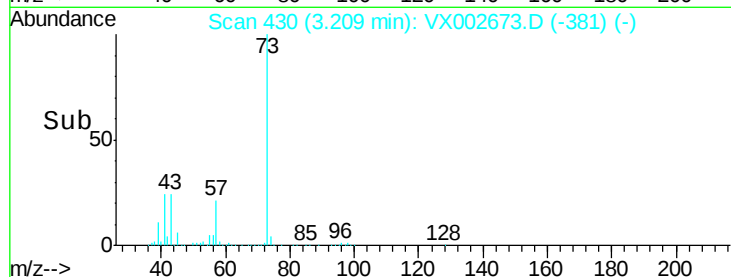
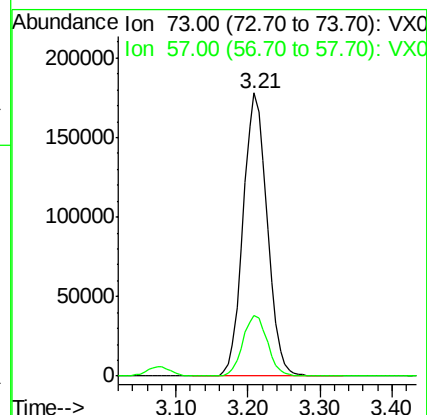
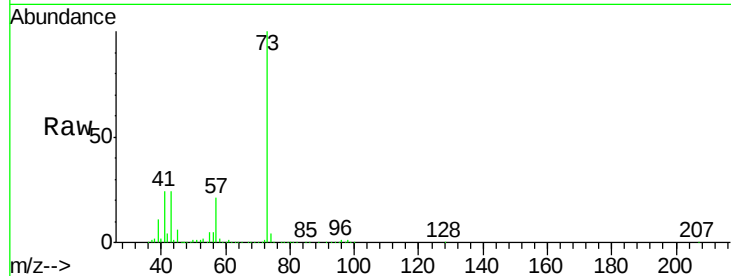




#19
Methvl tert-butvl Ether
Concen: 49.345 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

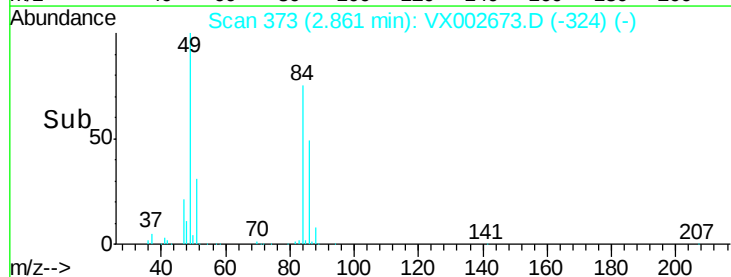
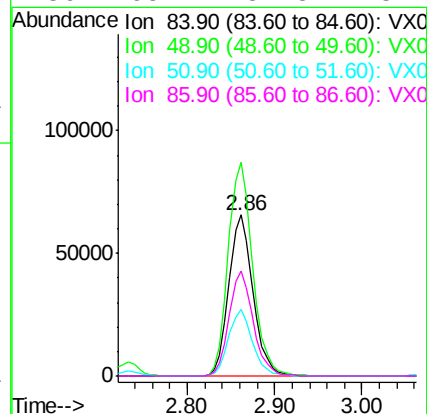
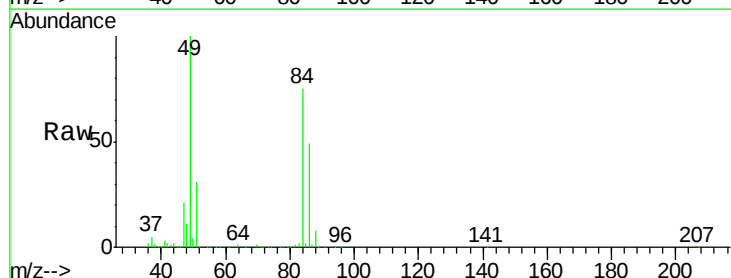
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

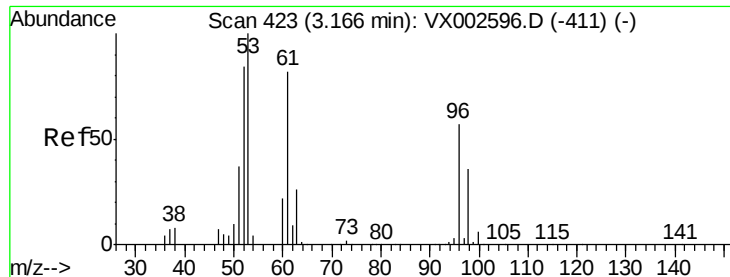
Tot Ion: 73 Resp: 413050
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 45.972 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 84 Resp: 126200
Ion Ratio Lower Upper
84 100
49 132.8 107.8 161.6
51 41.1 32.8 49.2
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.772 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

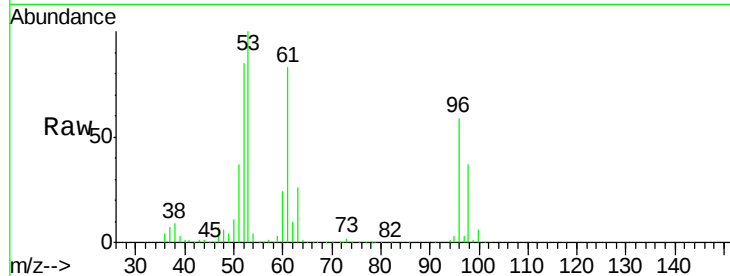
Tot Ion: 96 Resp: 120482

Ion Ratio Lower Upper

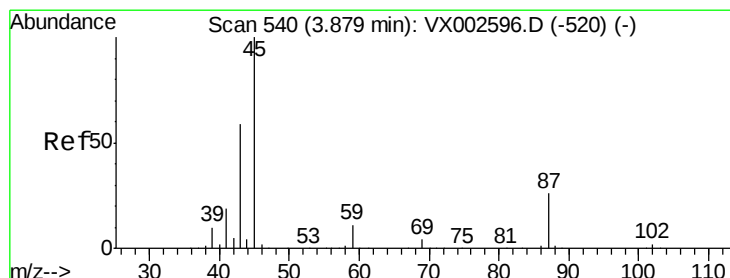
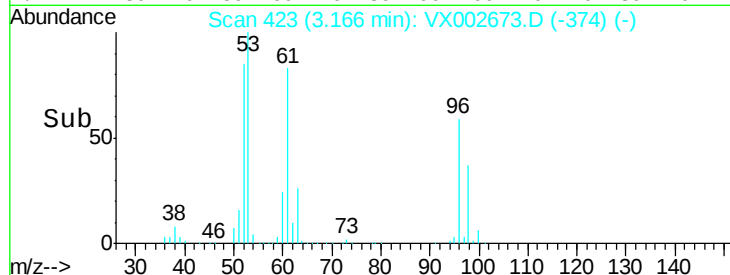
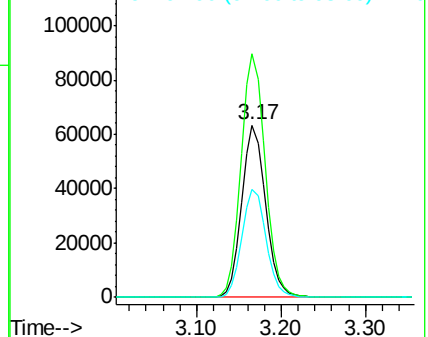
96 100

61 141.0 117.0 175.4

98 62.9 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.283 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion: 45 Resp: 395036

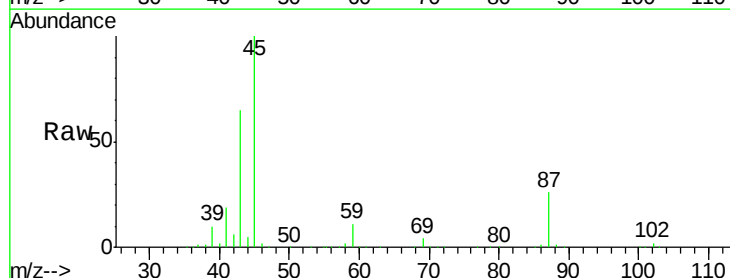
Ion Ratio Lower Upper

45 100

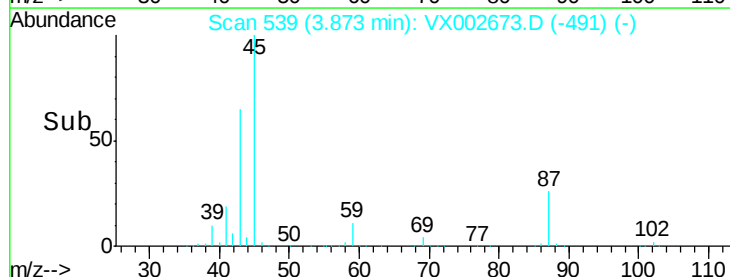
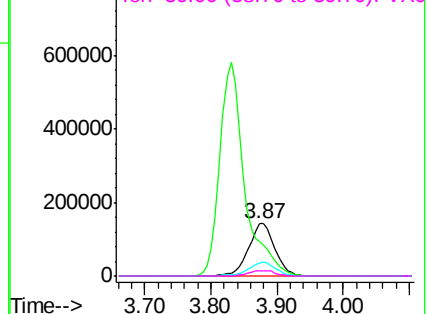
43 65.3 46.8 70.2

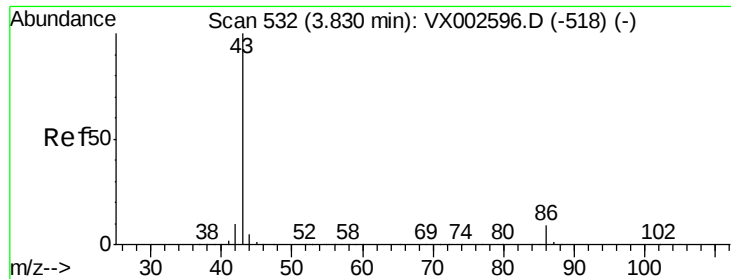
87 25.6 20.2 30.4

59 10.8 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 226.249 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

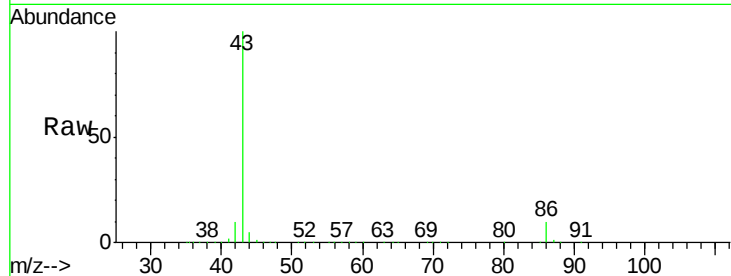
MWHR2-6-061318MS

Tot Ion: 43 Resp: 1517855

Ion Ratio Lower Upper

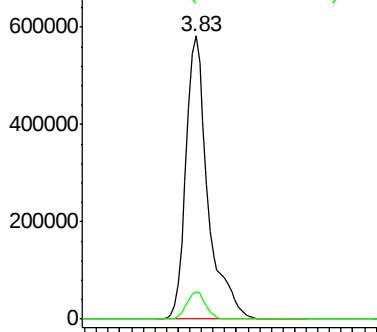
43 100

86 9.5 7.4 11.0

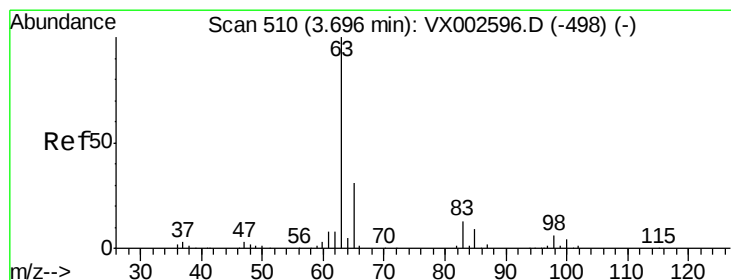
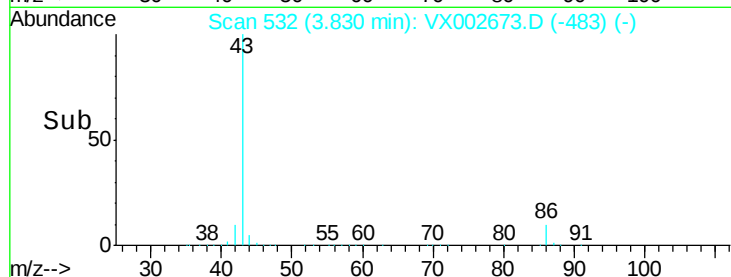


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 52.201 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

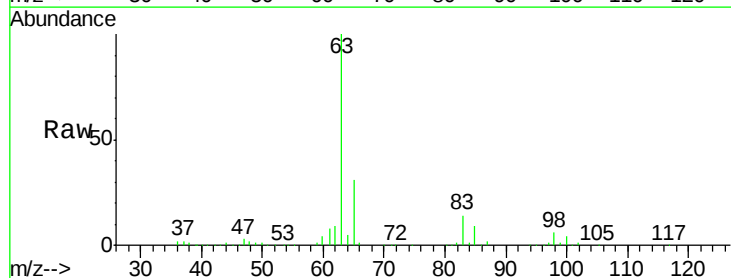
Tgt Ion: 63 Resp: 227099

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

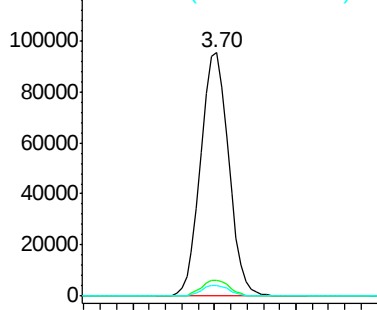
100 4.2 2.0 6.0



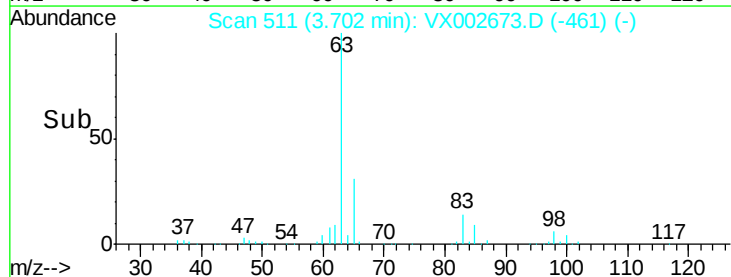
Abundance Ion 62.90 (62.60 to 63.60): VX0

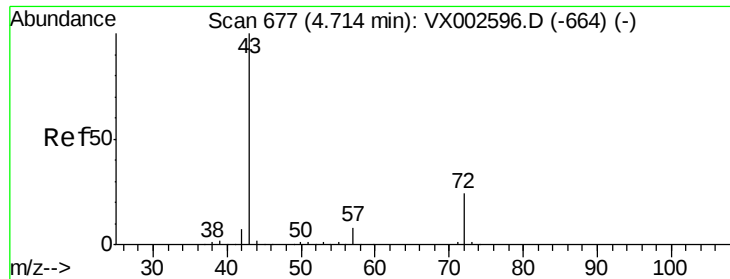
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 245.174 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

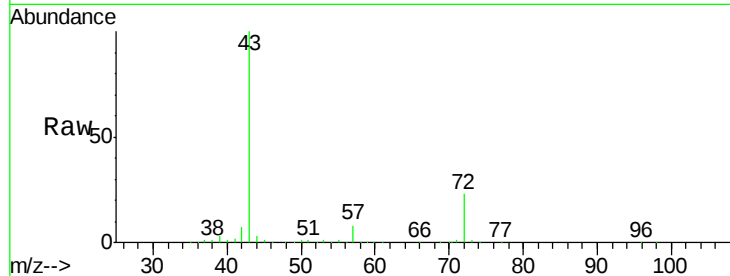
MWHR2-6-061318MS

Tot Ion: 43 Resp: 431081

Ion Ratio Lower Upper

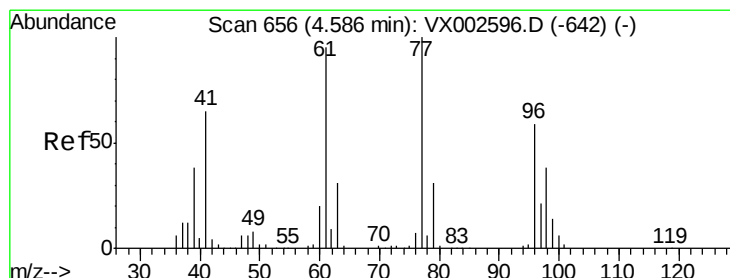
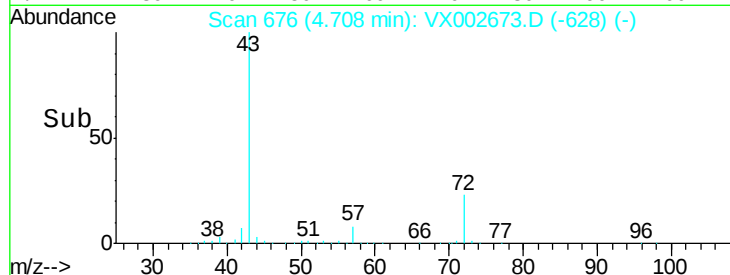
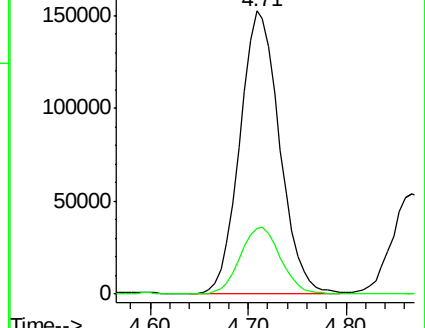
43 100

72 23.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 37.580 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002673.D

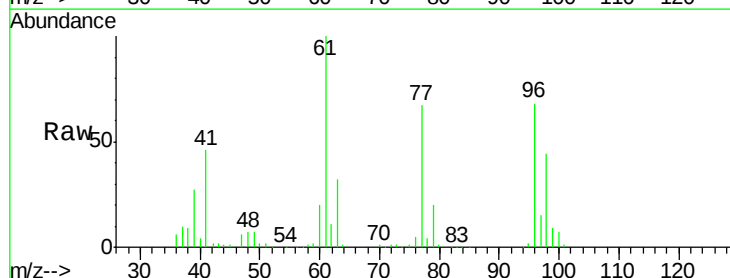
Acq: 17 Jun 2018 02:56

Tgt Ion: 77 Resp: 117475

Ion Ratio Lower Upper

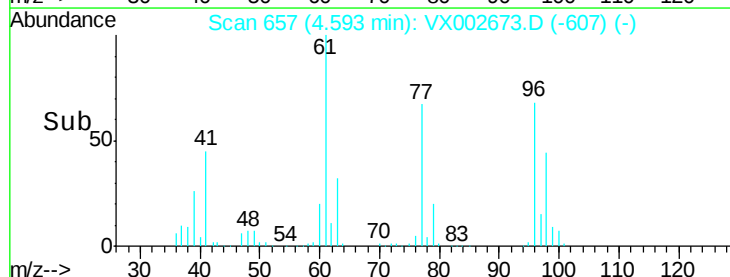
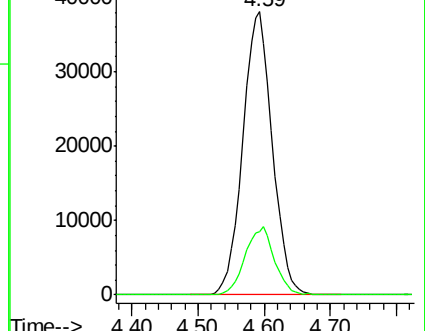
77 100

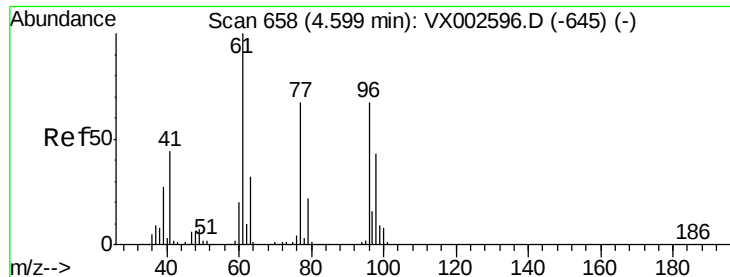
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



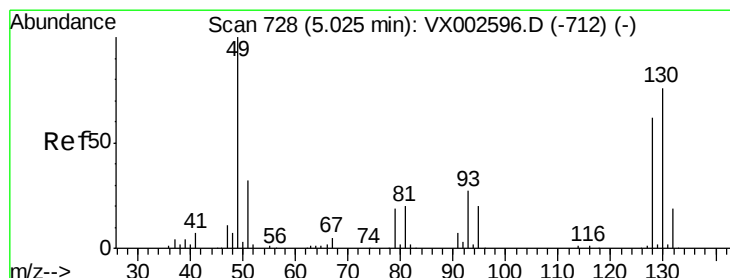
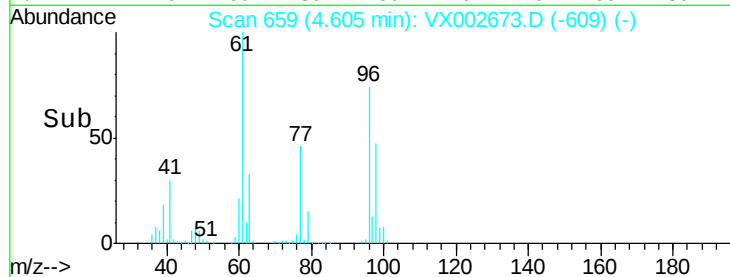
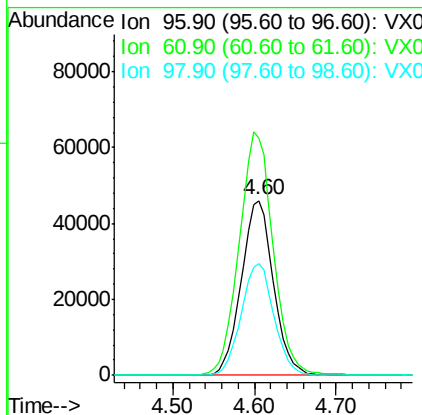
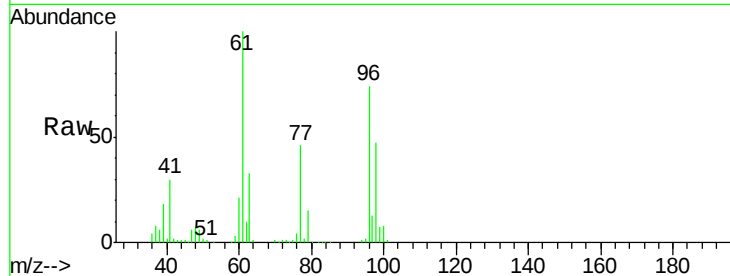


#27

cis-1,2-Dichloroethene
Concen: 51.206 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

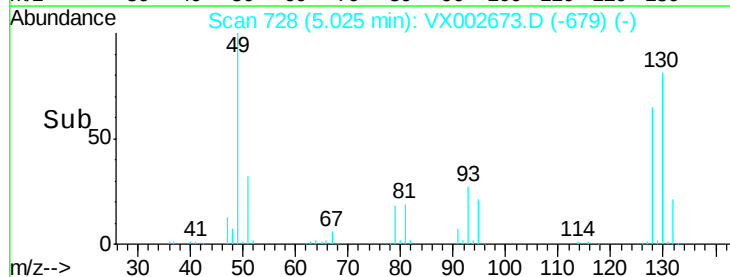
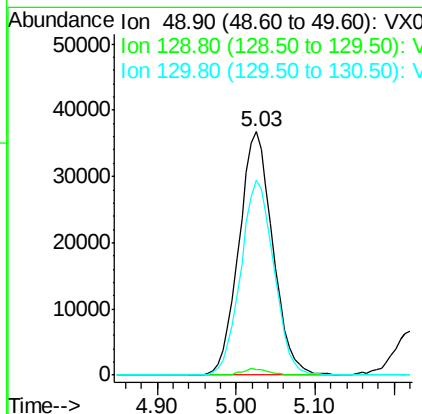
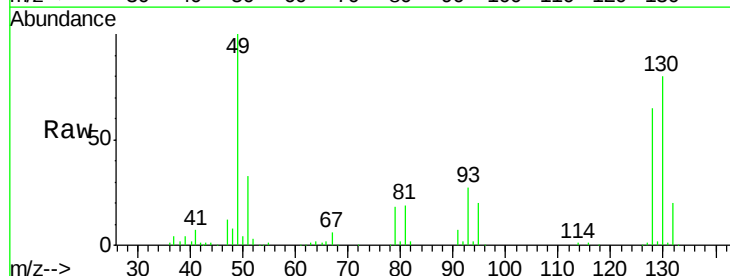
Tot Ion: 96 Resp: 126121
Ion Ratio Lower Upper
96 100
61 147.5 0.0 330.2
98 65.2 0.0 130.2

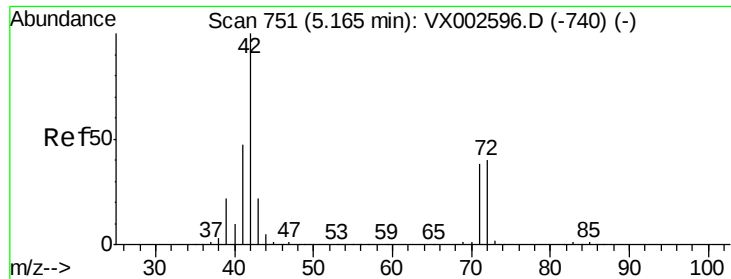


#28

Bromochloromethane
Concen: 53.696 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 49 Resp: 109400
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 78.6 61.2 91.8

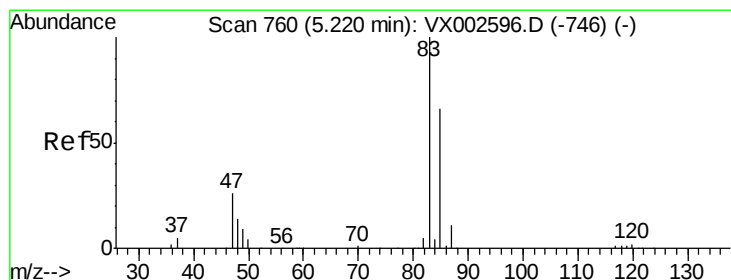
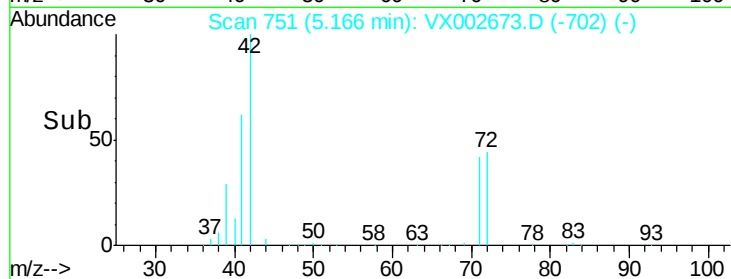
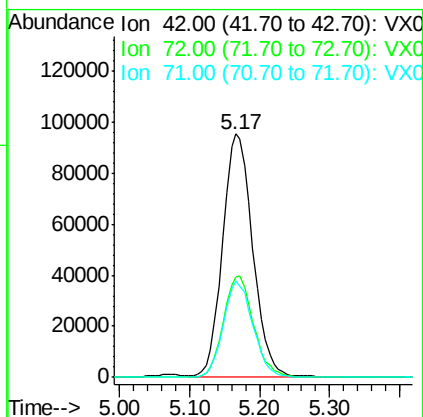
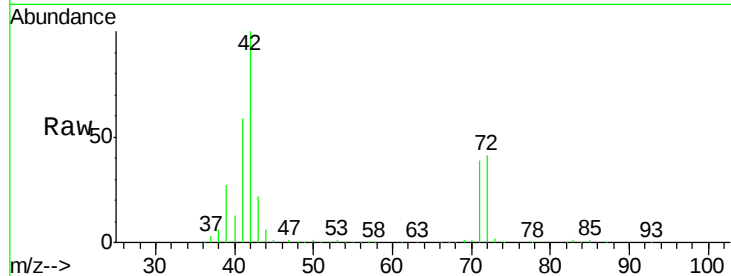




#29
Tetrahydrofuran
Concen: 247.191 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

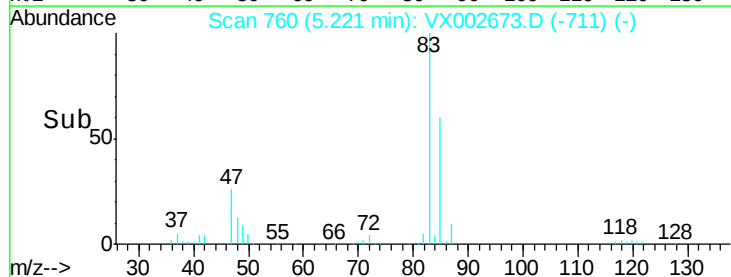
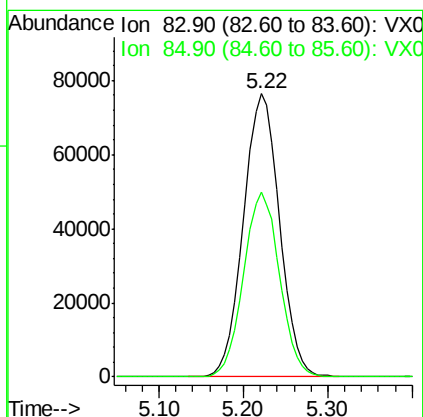
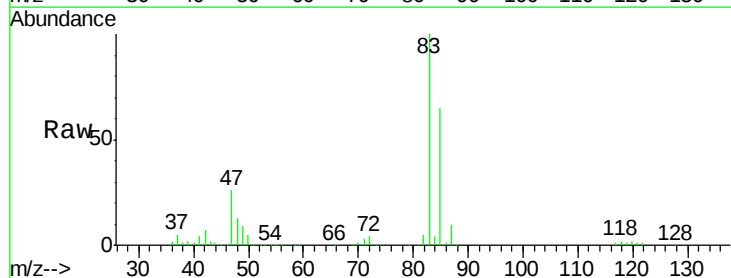
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

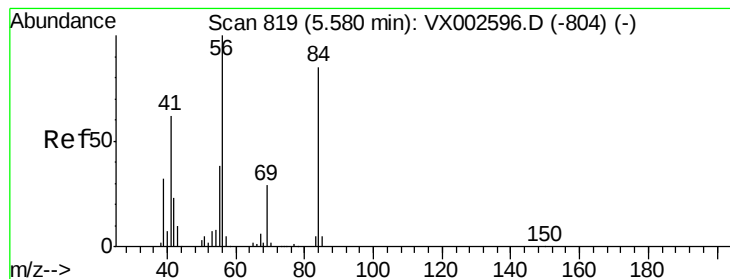
Tot Ion: 42 Resp: 284846
Ion Ratio Lower Upper
42 100
72 42.0 32.0 48.0
71 38.9 30.1 45.1



#30
Chloroform
Concen: 53.054 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 83 Resp: 222572
Ion Ratio Lower Upper
83 100
85 65.2 50.4 75.6





#31

Cyclohexane

Concen: 49.386 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

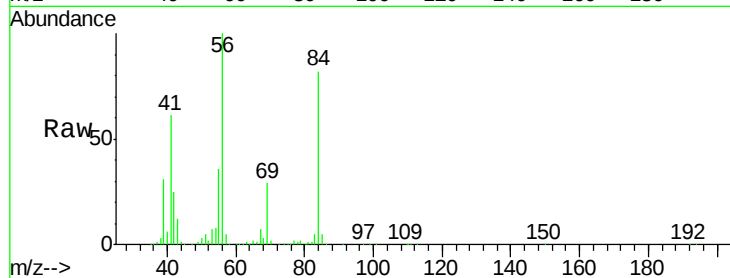
Tot Ion: 56 Resp: 176898

Ion Ratio Lower Upper

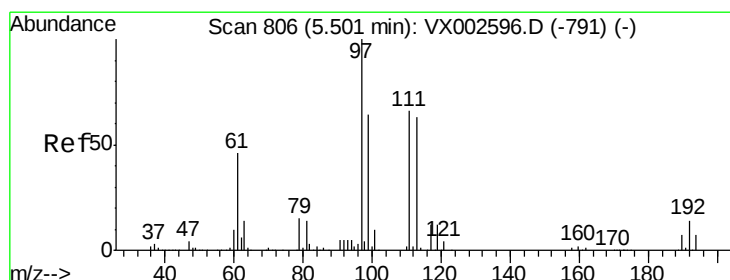
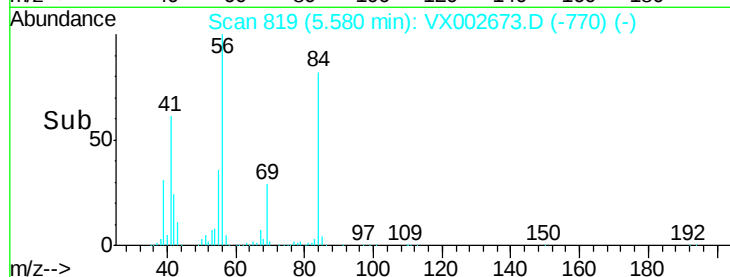
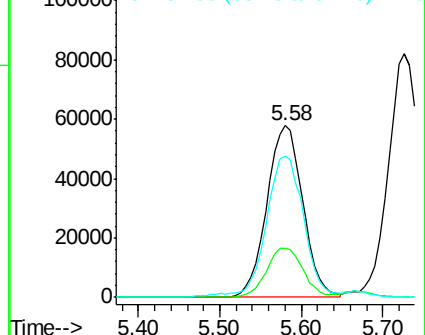
56 100

69 28.8 23.7 35.5

84 82.0 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 54.835 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

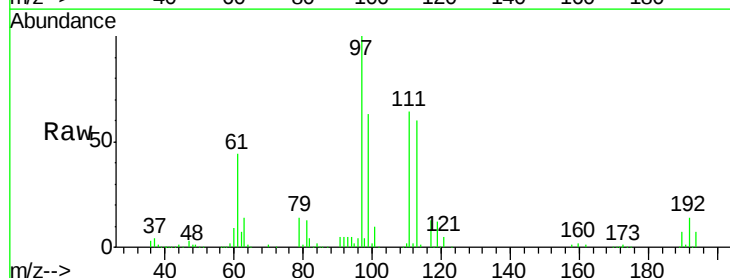
Tgt Ion: 97 Resp: 192403

Ion Ratio Lower Upper

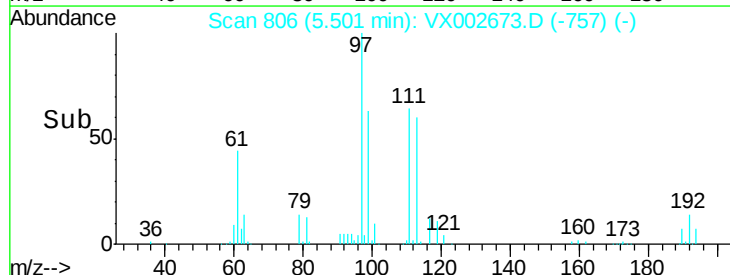
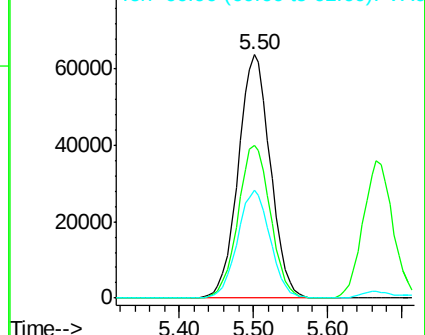
97 100

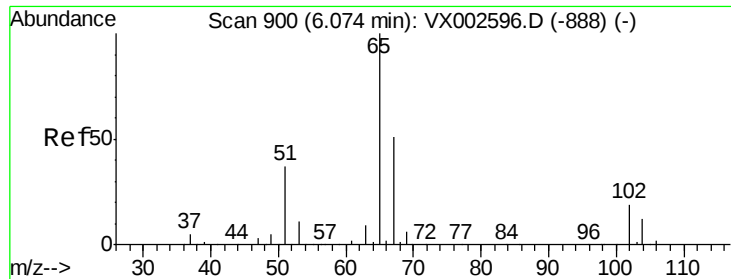
99 63.7 51.6 77.4

61 45.3 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

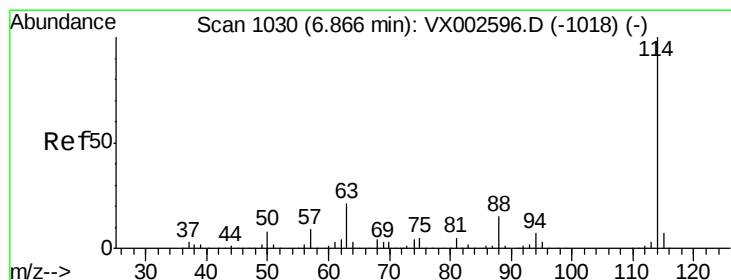
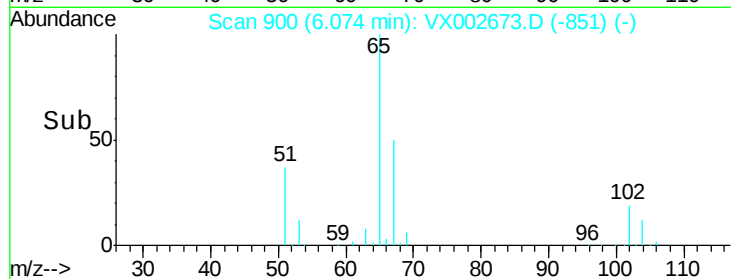
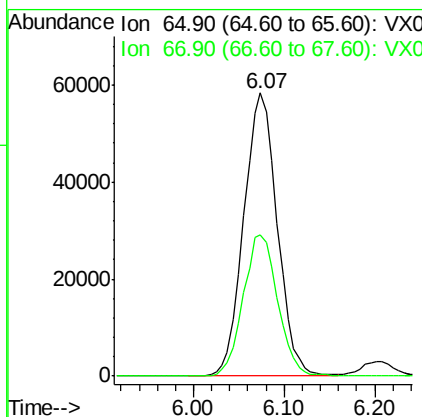
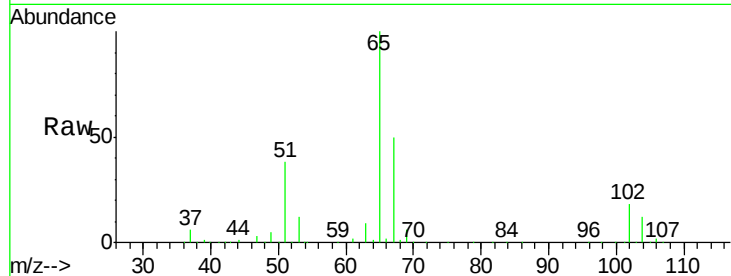




#33
 1,2-Dichloroethane-d4
 Concen: 49.109 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

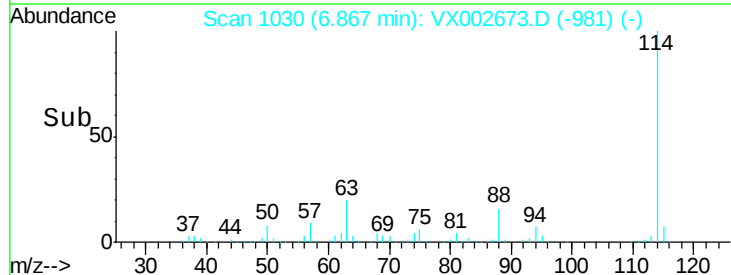
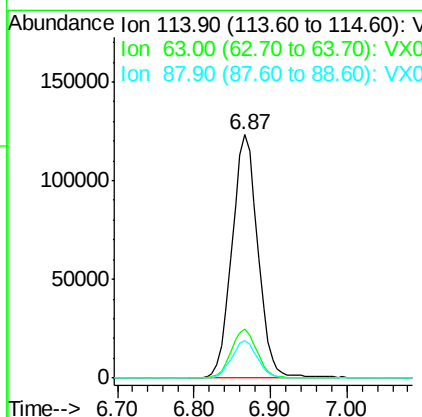
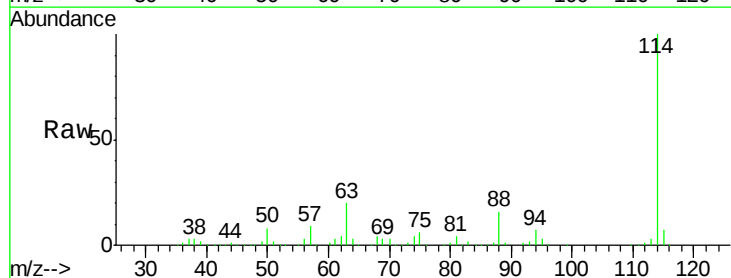
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

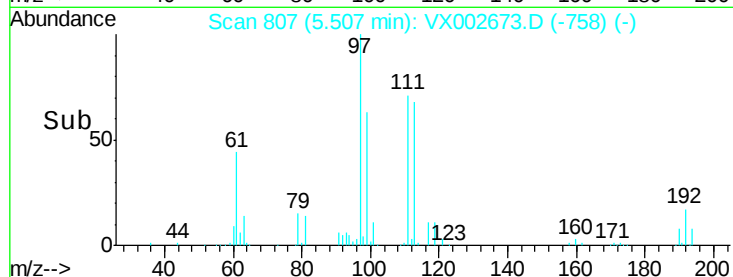
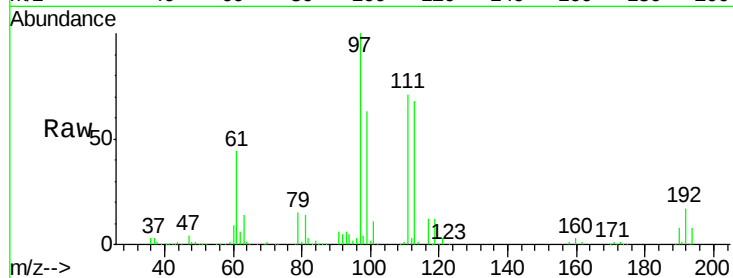
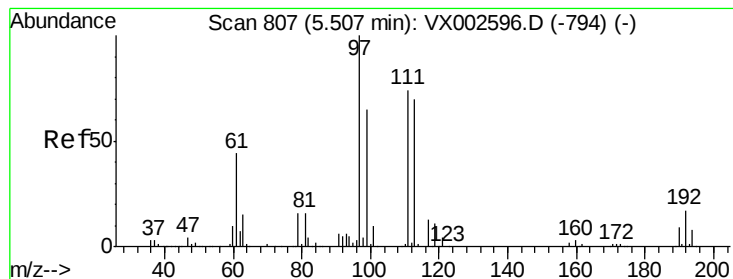
Tot Ion: 65 Resp: 149028
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 114 Resp: 290020
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.499 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

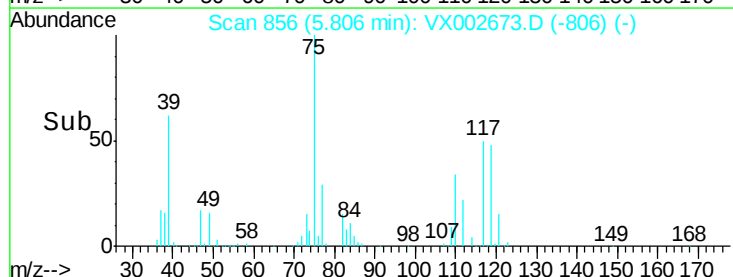
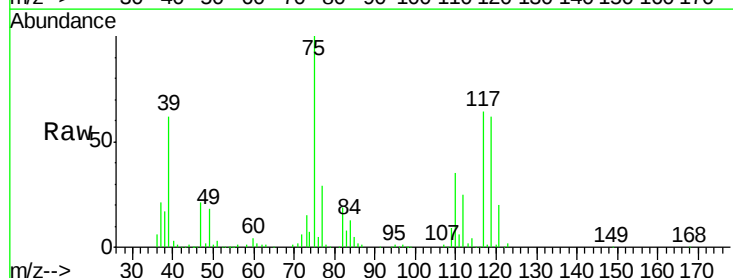
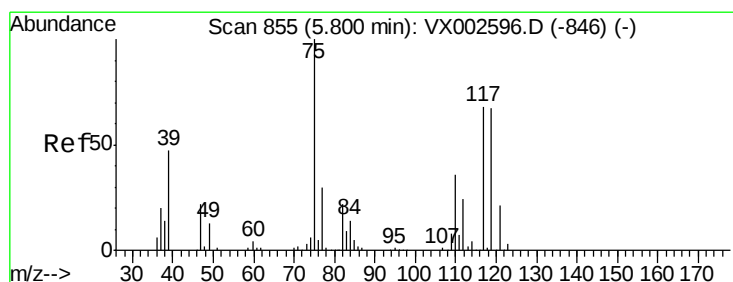
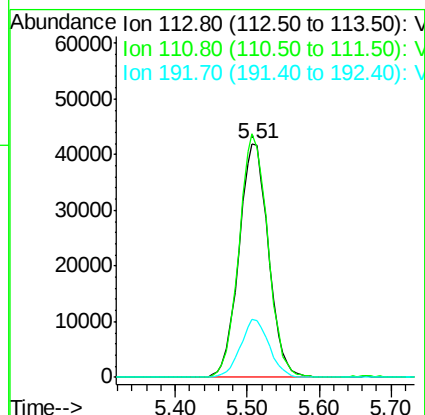
Tot Ion:113 Resp: 119201

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 24.2 19.1 28.7



#36

1,1-Dichloropropene

Concen: 51.086 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

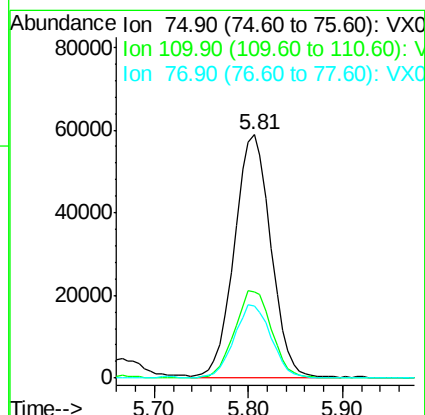
Tgt Ion: 75 Resp: 157355

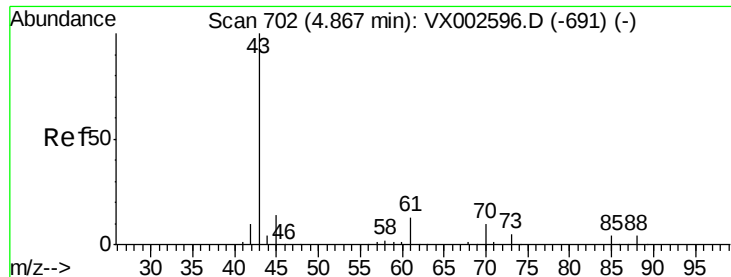
Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.4

77 30.6 24.3 36.5





#37

Ethyl Acetate

Concen: 45.559 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

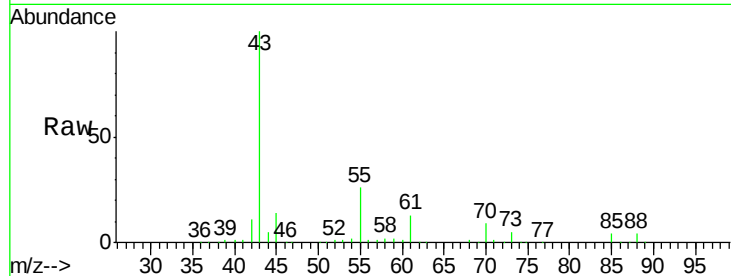
Tot Ion: 43 Resp: 158834

Ion Ratio Lower Upper

43 100

61 12.9 10.4 15.6

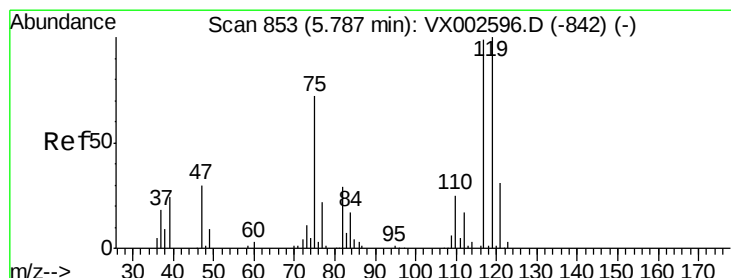
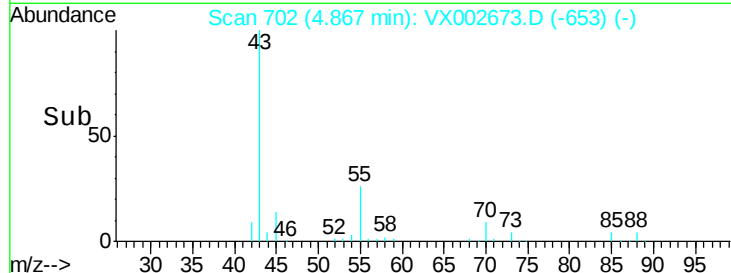
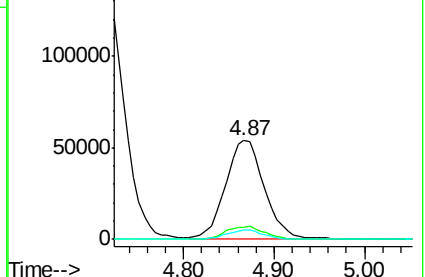
70 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX002596.D (-691) (-)

Ion 60.90 (60.60 to 61.60): VX002596.D (-691) (-)

Ion 70.00 (69.70 to 70.70): VX002596.D (-691) (-)



#38

Carbon Tetrachloride

Concen: 53.782 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

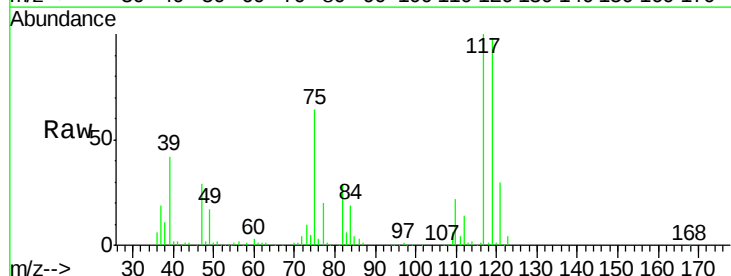
Tgt Ion: 117 Resp: 164959

Ion Ratio Lower Upper

117 100

119 97.9 77.4 116.0

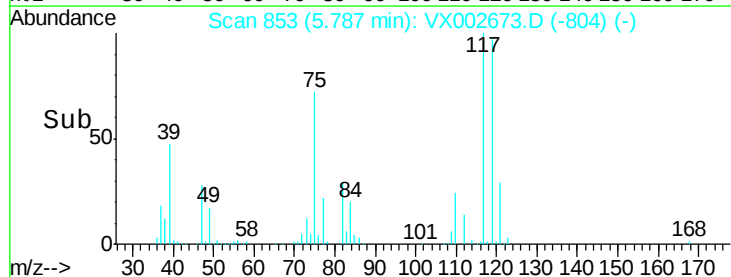
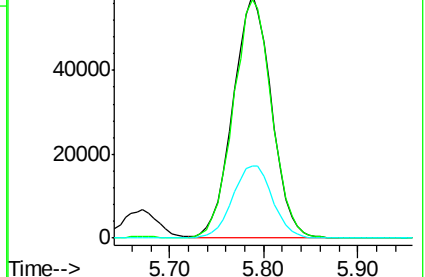
121 29.6 24.4 36.6

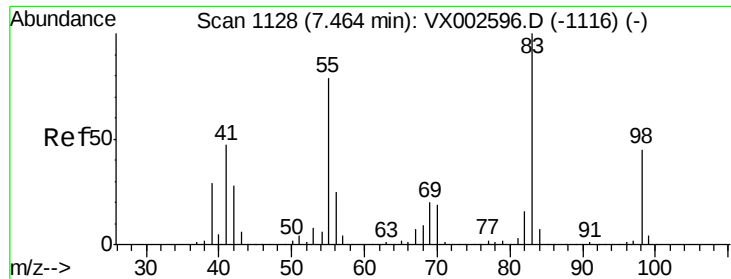


Abundance Ion 116.80 (116.50 to 117.50): VX002596.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX002596.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX002596.D (-842) (-)

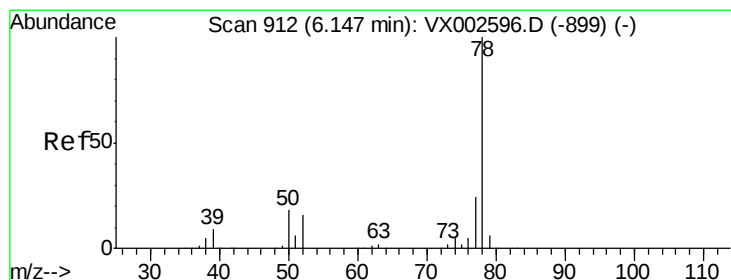
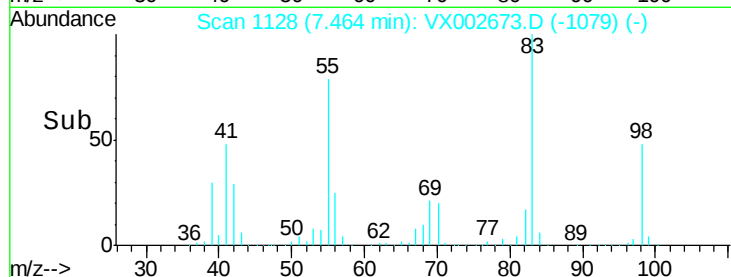
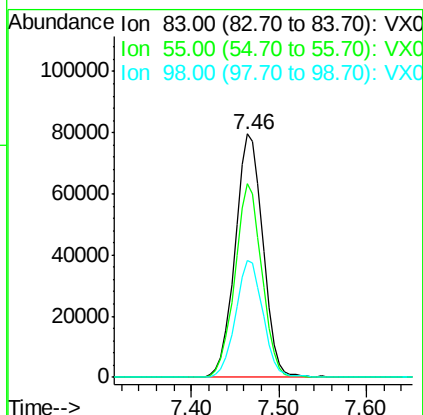
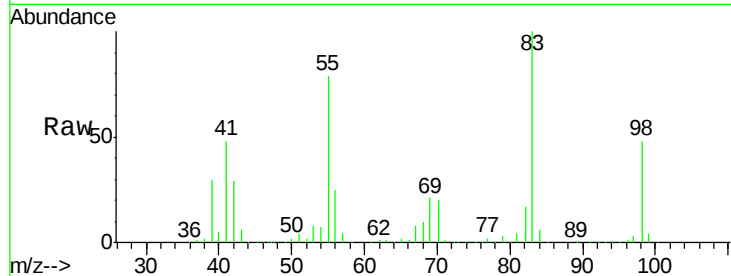




#39
Methvlcvclohexane
Concen: 48.698 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

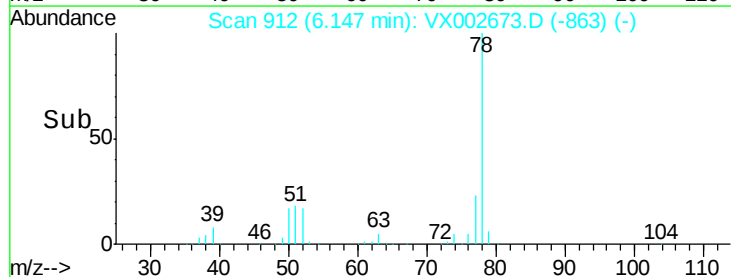
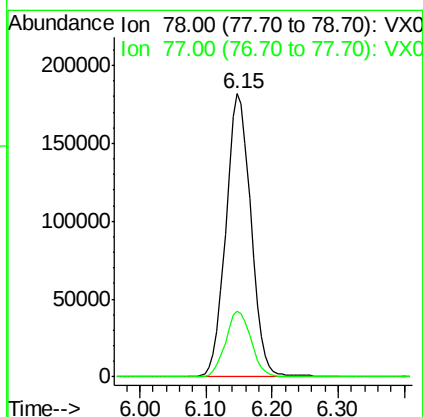
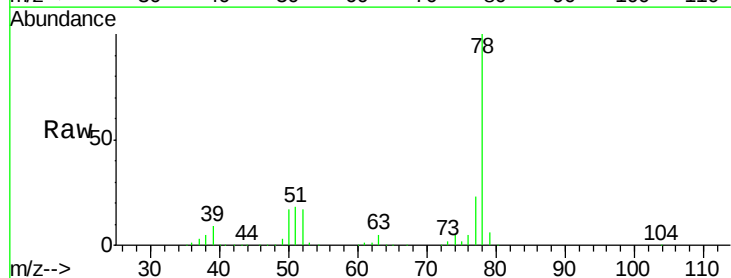
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

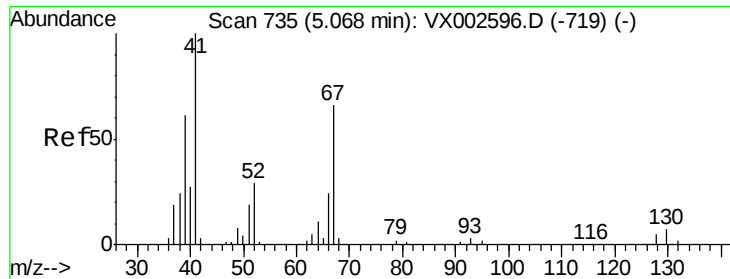
Tot Ion: 83 Resp: 175353
Ion Ratio Lower Upper
83 100
55 79.3 65.4 98.0
98 47.9 37.4 56.0



#40
Benzene
Concen: 51.691 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 78 Resp: 477417
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

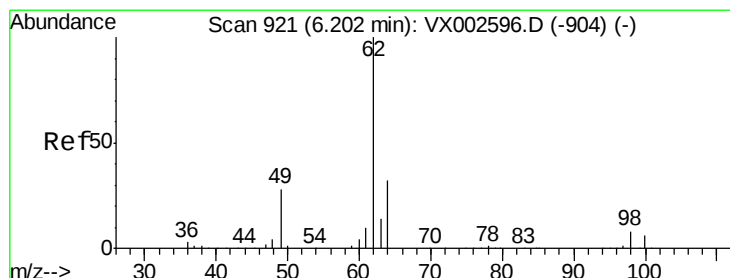
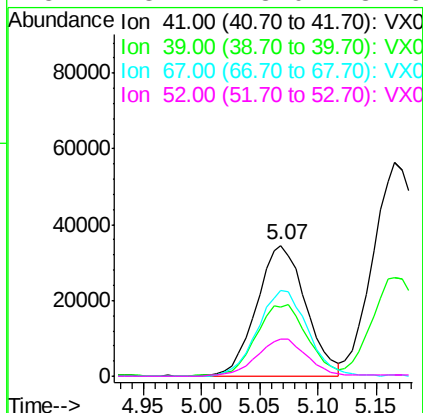
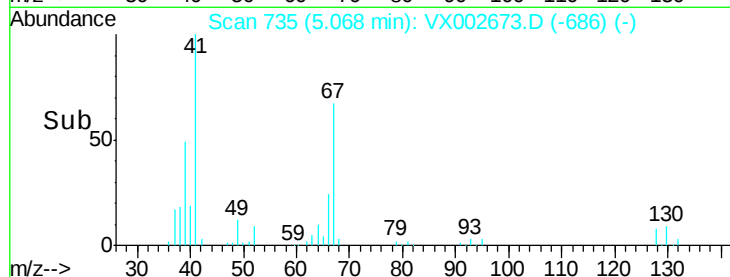
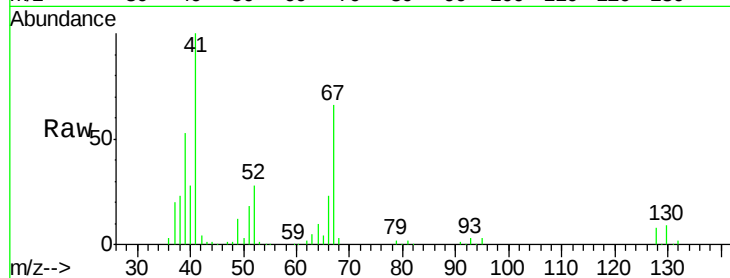




#41
Methacrylonitrile
Concen: 51.055 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

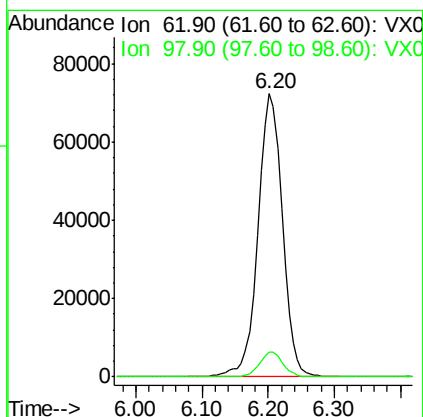
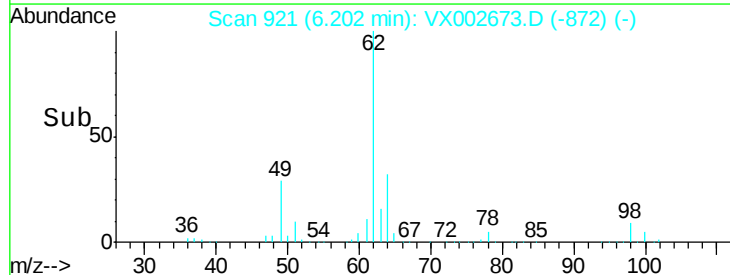
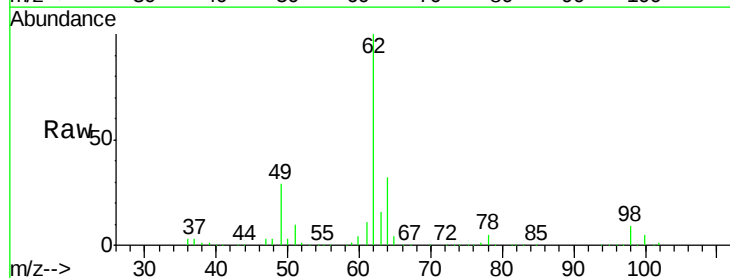
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

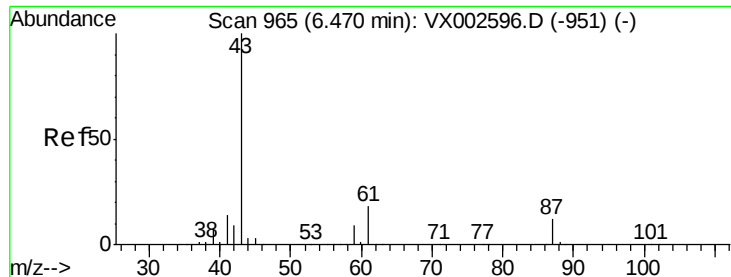
Tot Ion:	41	Resp:	100499
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.6
67	67.3	51.3	76.9
52	28.7	23.0	34.6



#42
1,2-Dichloroethane
Concen: 52.097 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:	62	Resp:	186288
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



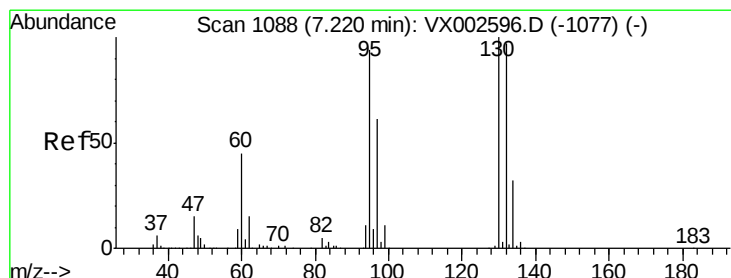
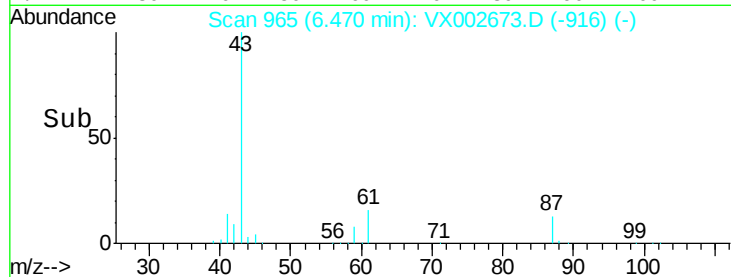
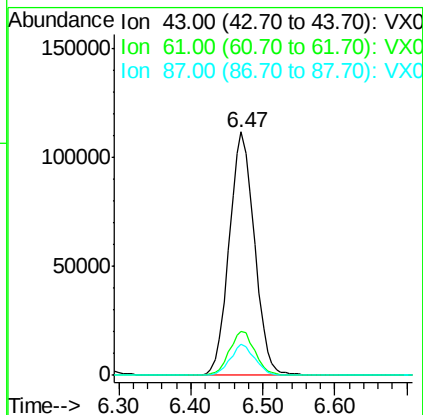
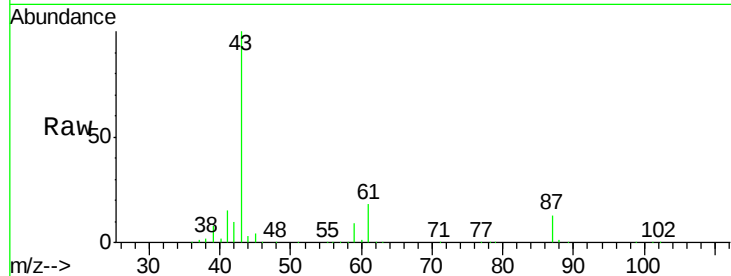


#43

Isopropyl Acetate
 Concen: 47.163 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

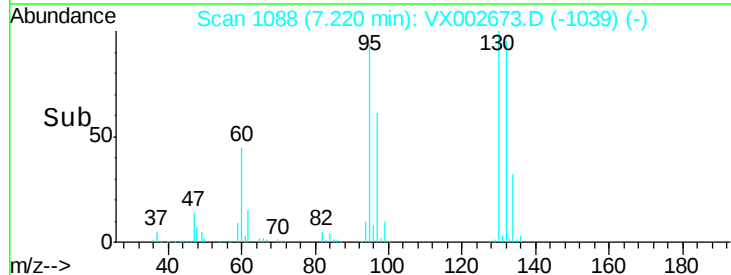
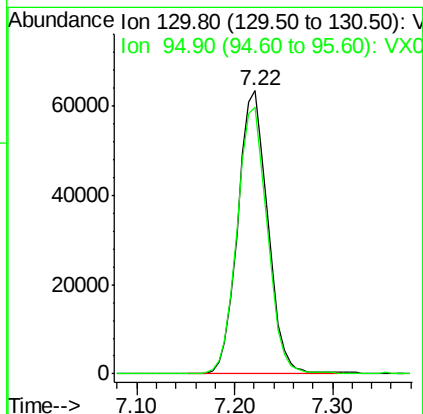
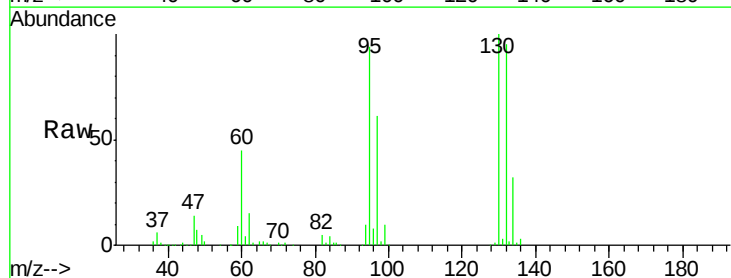
Tot Ion: 43 Resp: 272423
 Ion Ratio Lower Upper
 43 100
 61 18.3 14.4 21.6
 87 12.4 9.5 14.3

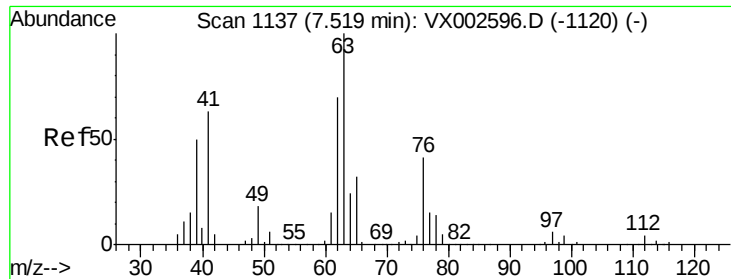


#44

Trichloroethene
 Concen: 50.581 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 130 Resp: 134838
 Ion Ratio Lower Upper
 130 100
 95 94.5 0.0 185.4





#45

1,2-Dichloropropane

Concen: 51.965 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

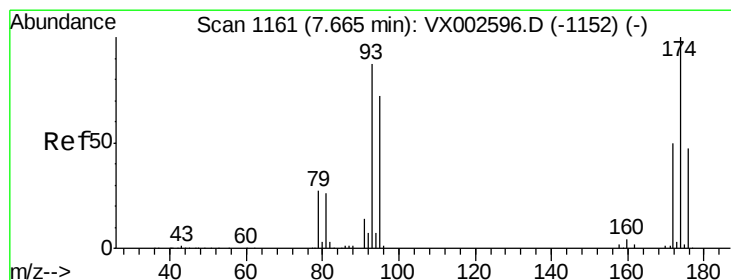
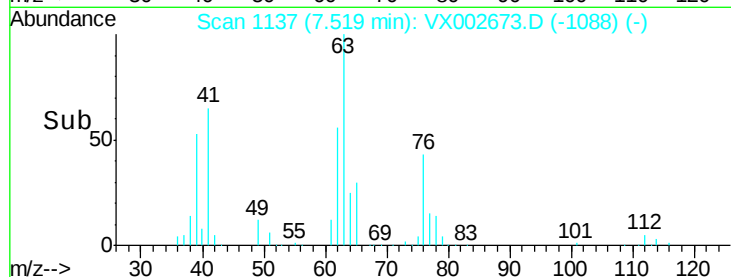
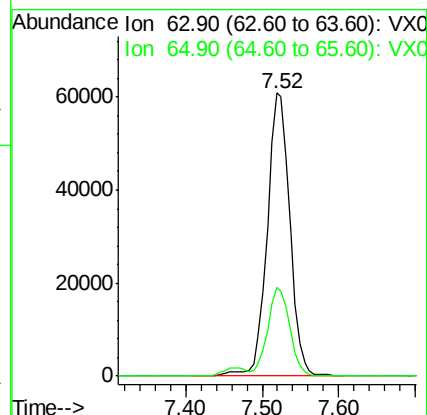
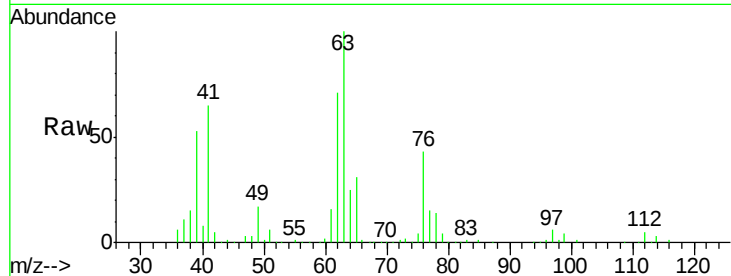
MWHR2-6-061318MS

Tot Ion: 63 Resp: 126314

Ion Ratio Lower Upper

63 100

65 31.3 24.7 37.1



#46

Dibromomethane

Concen: 54.123 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

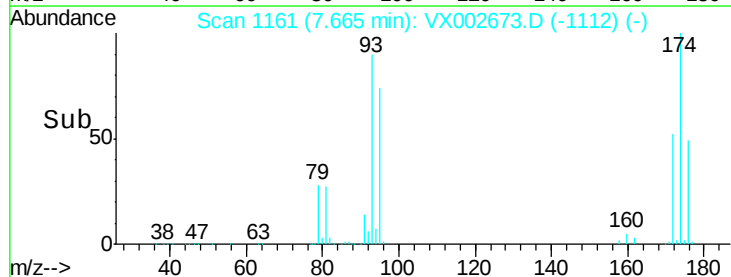
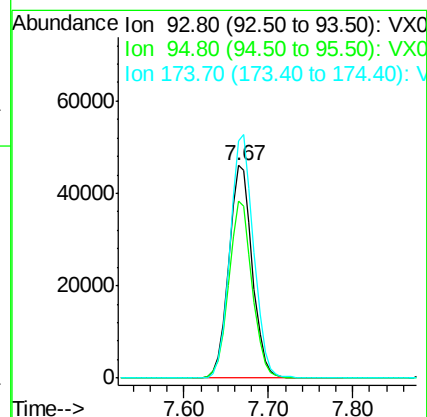
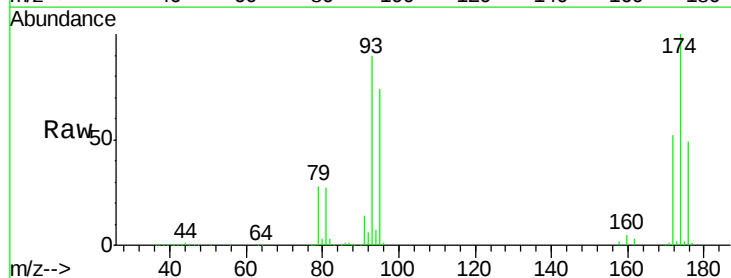
Tgt Ion: 93 Resp: 88003

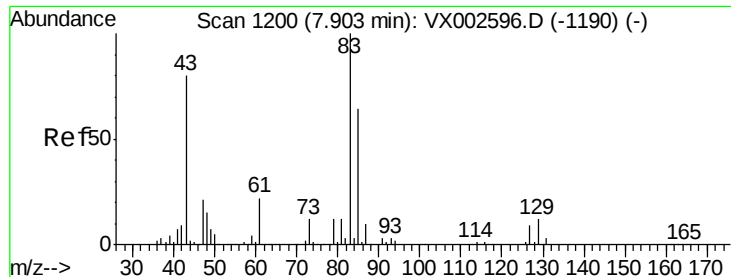
Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 114.4 92.4 138.6





#47

Bromodichloromethane

Concen: 55.861 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

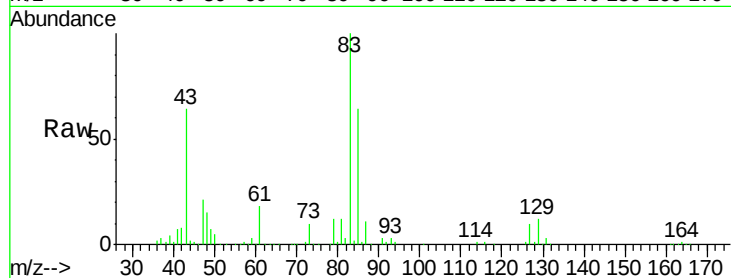
Tot Ion: 83 Resp: 160200

Ion Ratio Lower Upper

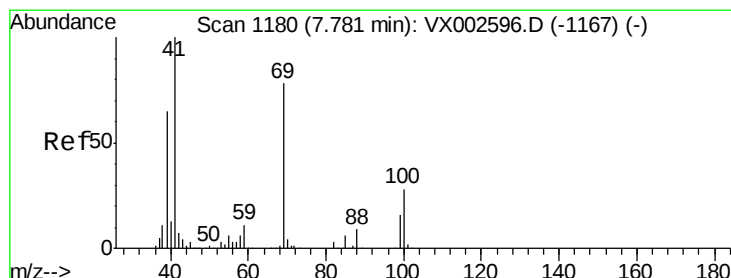
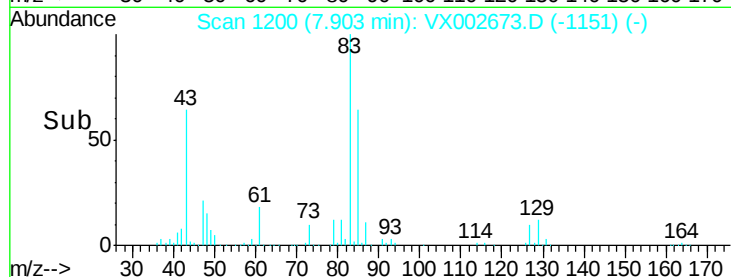
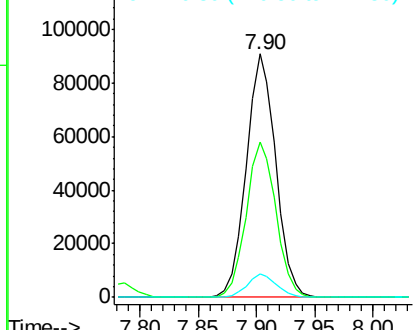
83 100

85 63.7 50.3 75.5

127 9.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.644 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

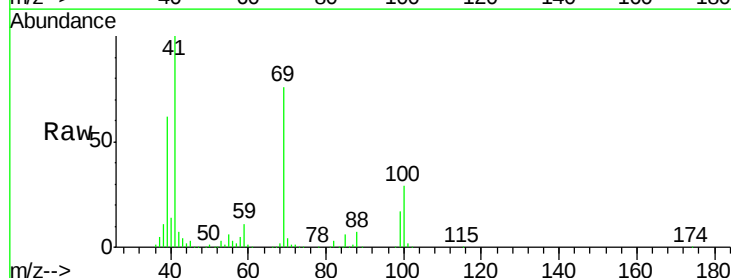
Tgt Ion: 41 Resp: 149489

Ion Ratio Lower Upper

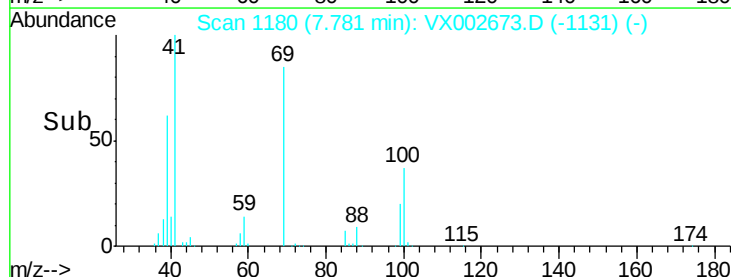
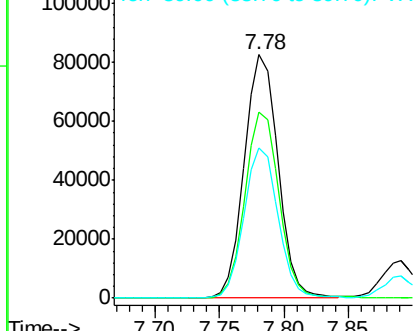
41 100

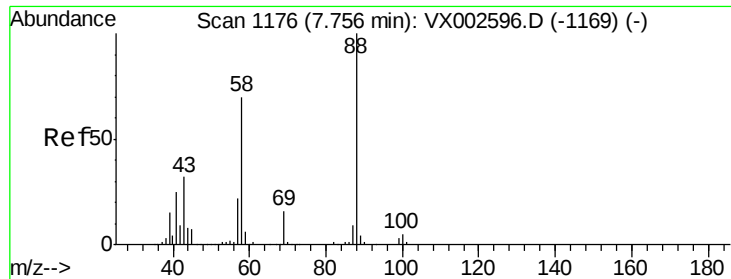
69 77.7 59.1 88.7

39 61.9 48.9 73.3



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

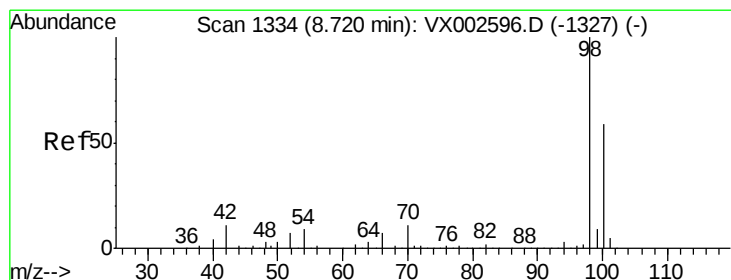
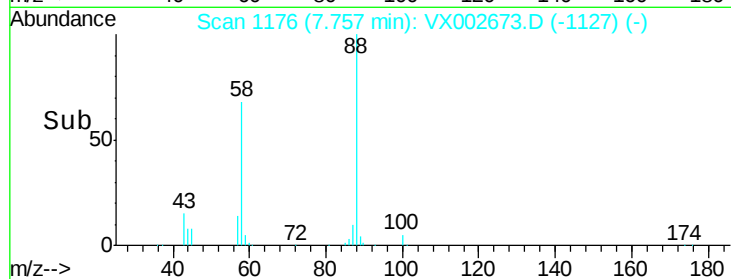
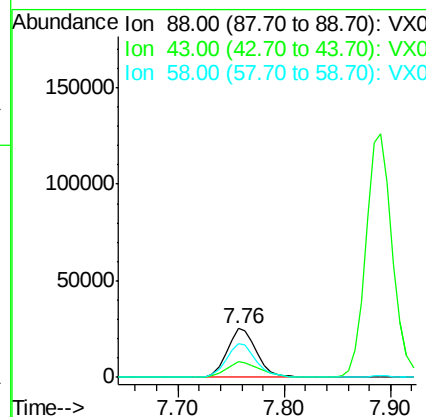
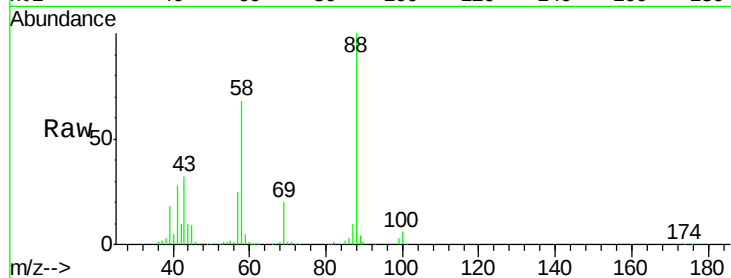




#49
1,4-Dioxane
Concen: 859.052 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

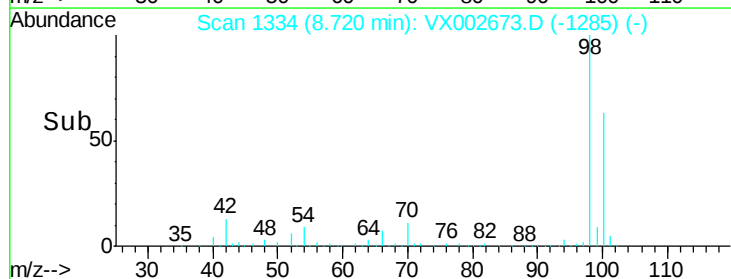
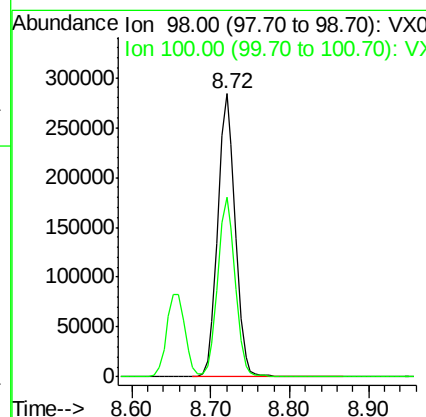
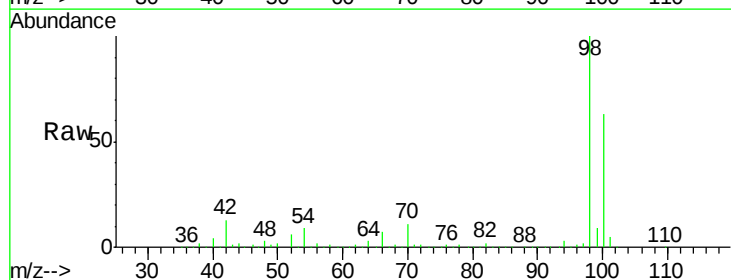
Instrument :
MSVOA_X
ClientSampleId :
MWHHR2-6-061318MS

Tot Ion	88	Resp	48020
Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.8	44.6
58	70.4	57.1	85.7



#50
Toluene-d8
Concen: 49.959 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion	98	Resp	439074
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3

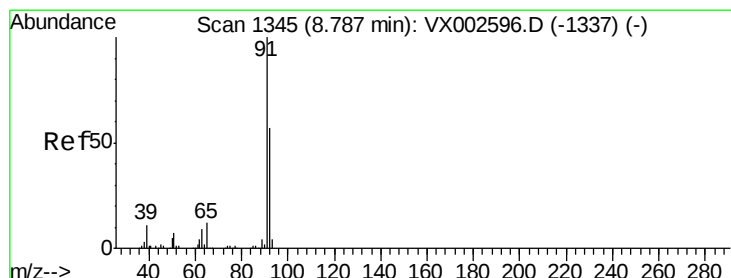
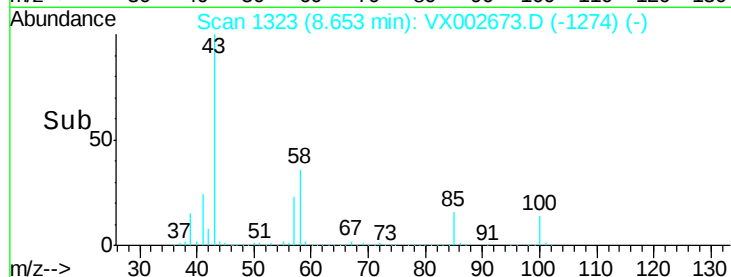
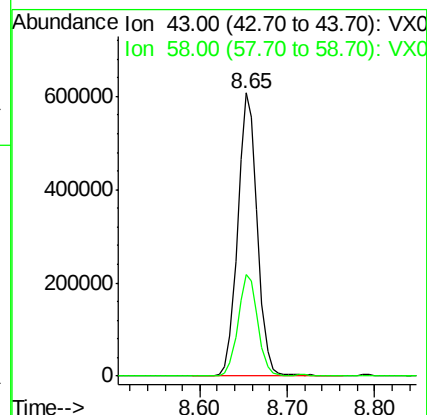
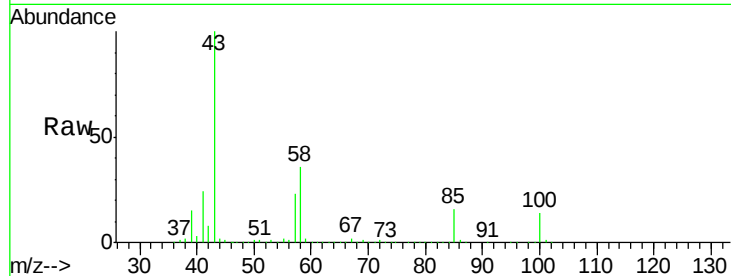




#51
 4-Methyl-2-Pentanone
 Concen: 256.168 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

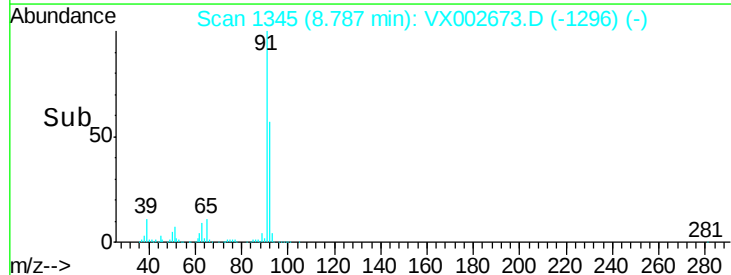
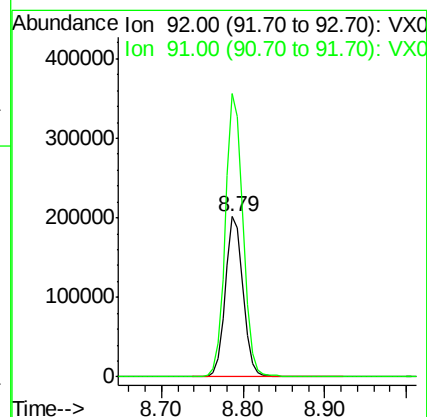
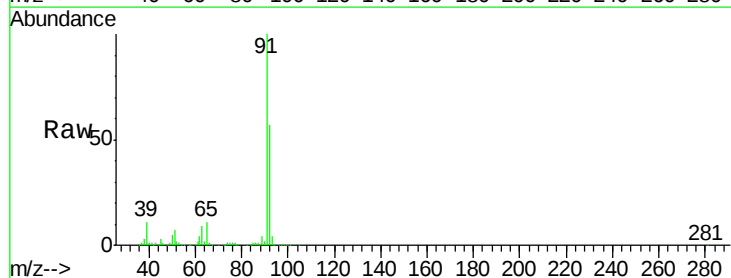
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

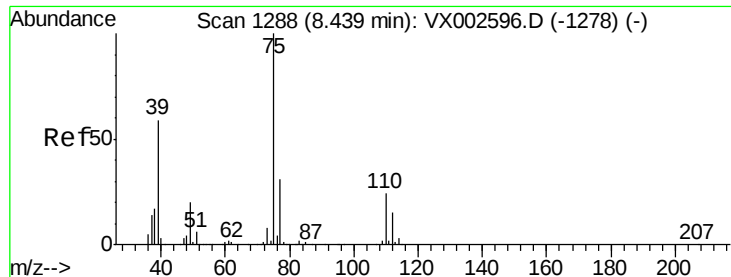
Tot Ion: 43 Resp: 950063
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 42.8



#52
 Toluene
 Concen: 51.883 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 92 Resp: 305674
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 46.790 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

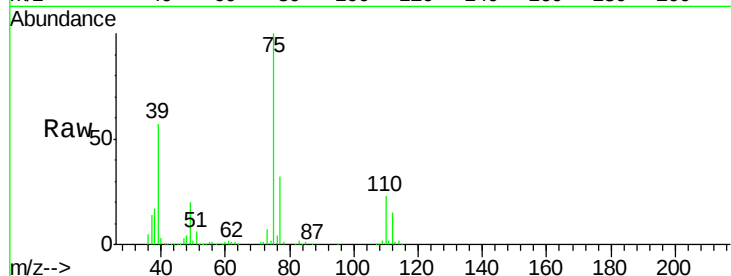
MWHR2-6-061318MS

Tot Ion: 75 Resp: 177013

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

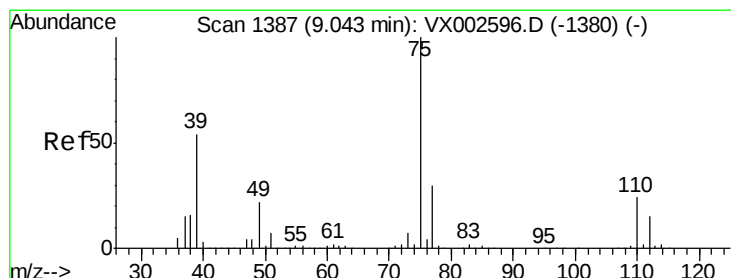
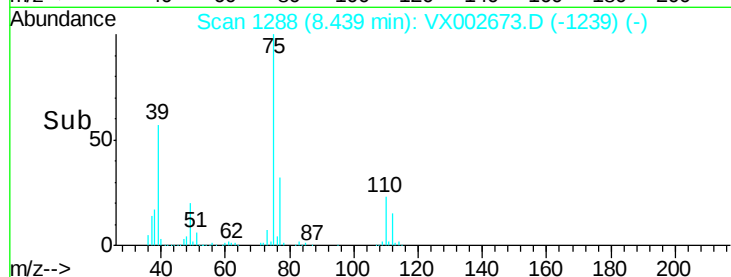
8.44

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.873 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

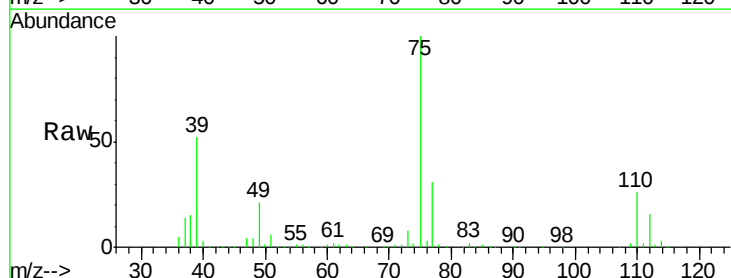
Tgt Ion: 75 Resp: 165100

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 51.4 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

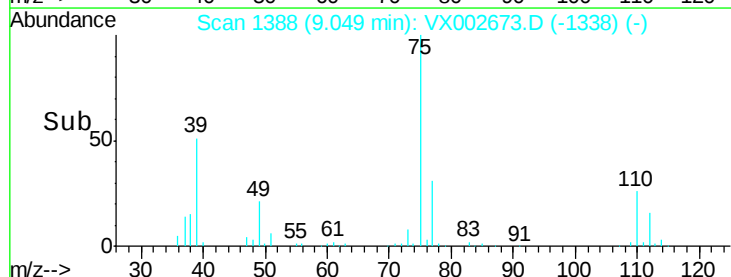
150000

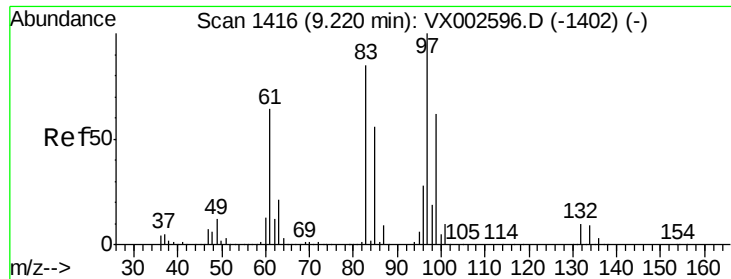
100000

50000

0

Time-->

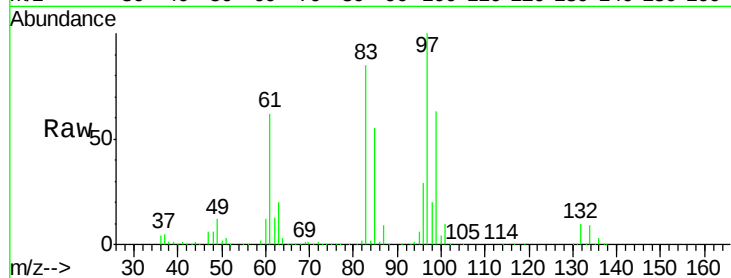




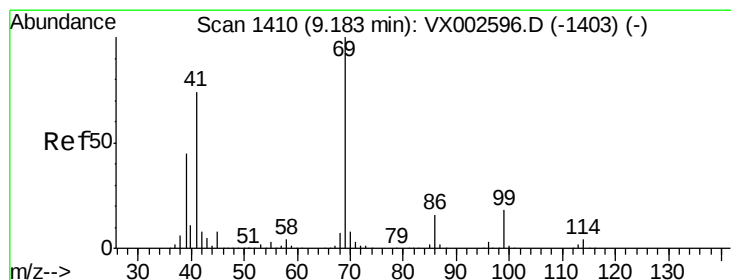
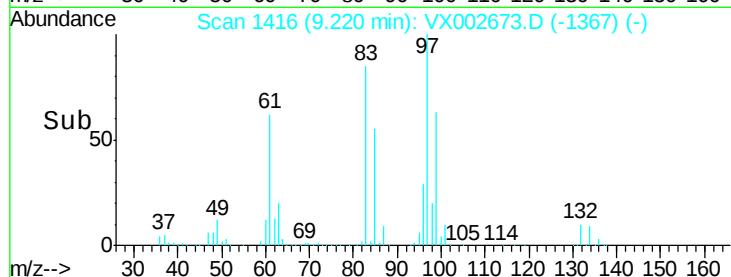
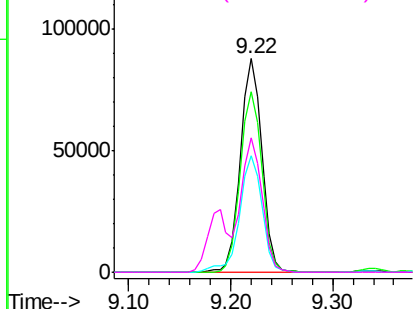
#55
 1,1,2-Trichloroethane
 Concen: 53.515 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion: 97 Resp: 127398
 Ion Ratio Lower Upper
 97 100
 83 84.6 70.2 105.2
 85 54.6 44.9 67.3
 99 62.9 49.8 74.8

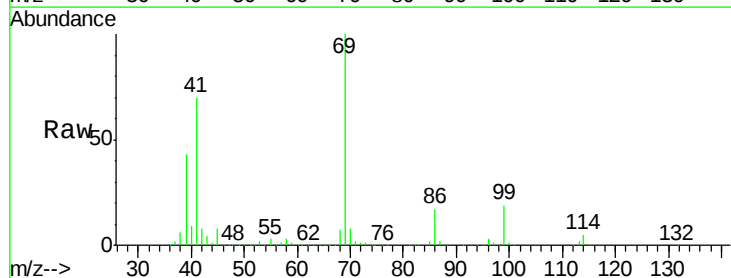


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

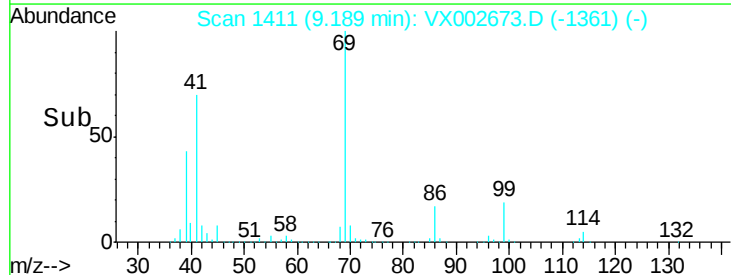
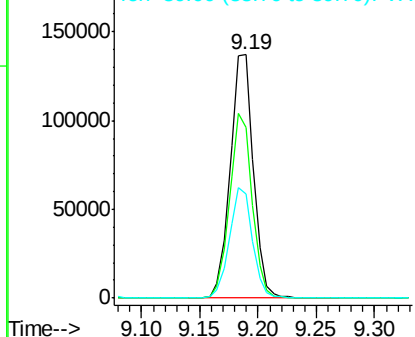


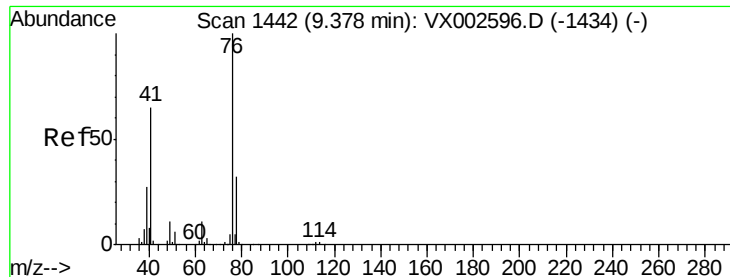
#56
 Ethyl methacrylate
 Concen: 52.061 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 69 Resp: 190729
 Ion Ratio Lower Upper
 69 100
 41 73.0 60.3 90.5
 39 44.7 35.8 53.8



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





#57

1,3-Dichloropropane

Concen: 51.514 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

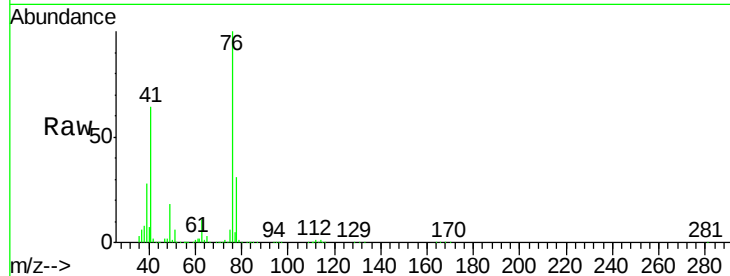
MWHR2-6-061318MS

Tot Ion: 76 Resp: 207414

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

150000

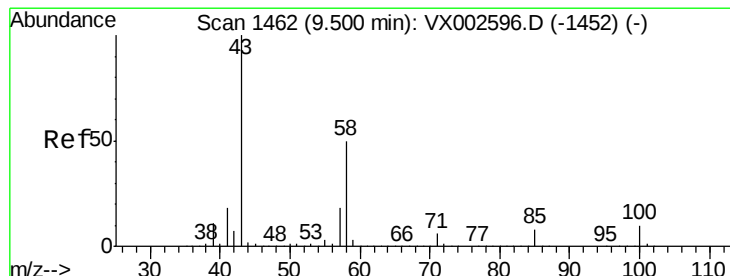
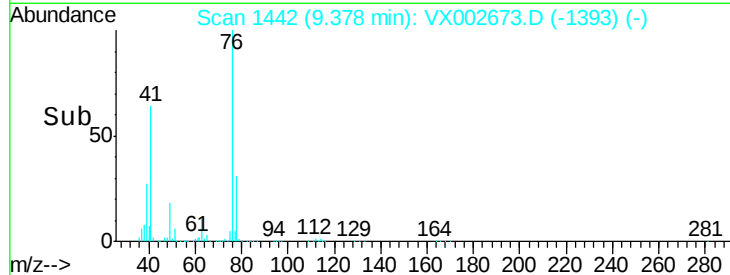
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#59

2-Hexanone

Concen: 255.653 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX002673.D

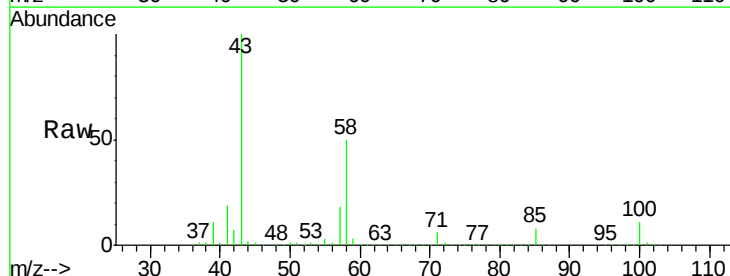
Acq: 17 Jun 2018 02:56

Tgt Ion: 43 Resp: 714470

Ion Ratio Lower Upper

43 100

58 50.1 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

300000

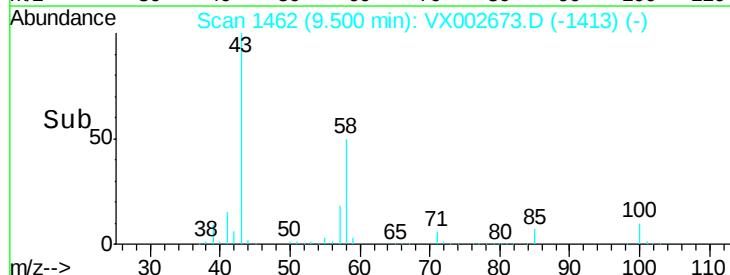
200000

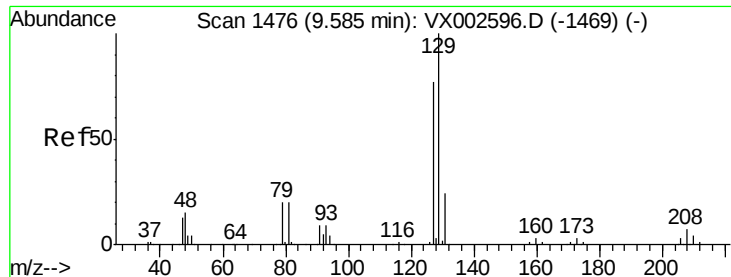
100000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 49.899 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

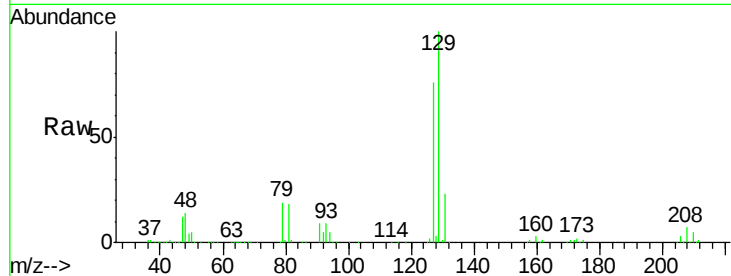
MWHR2-6-061318MS

Tot Ion:129 Resp: 133604

Ion Ratio Lower Upper

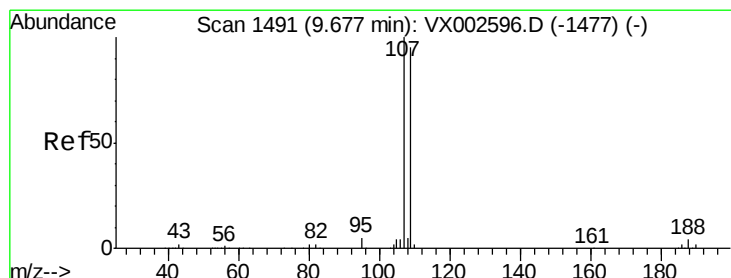
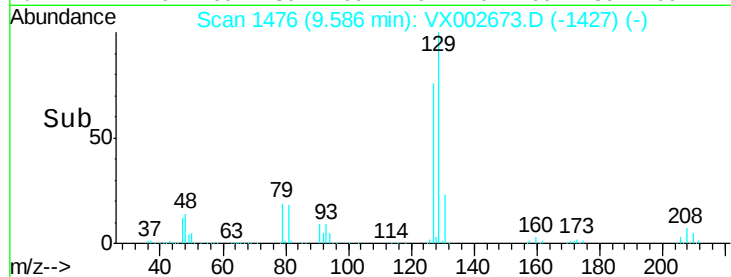
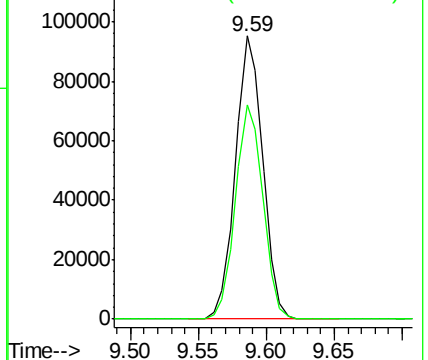
129 100

127 76.0 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.173 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002673.D

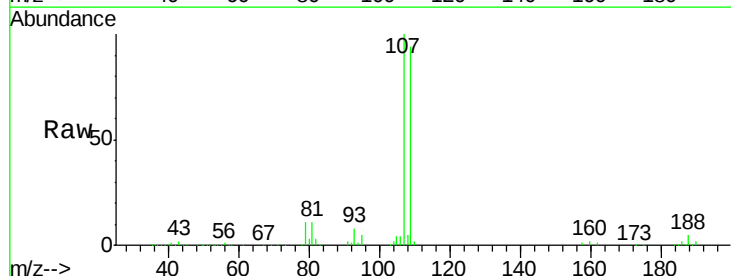
Acq: 17 Jun 2018 02:56

Tgt Ion:107 Resp: 133565

Ion Ratio Lower Upper

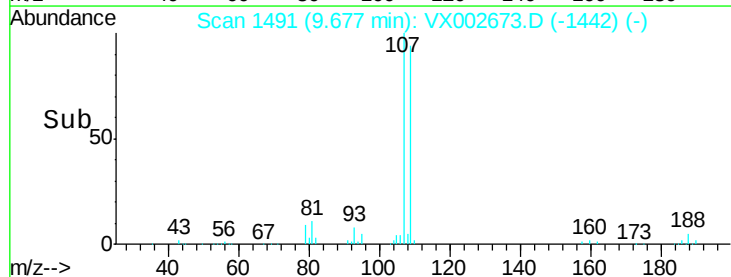
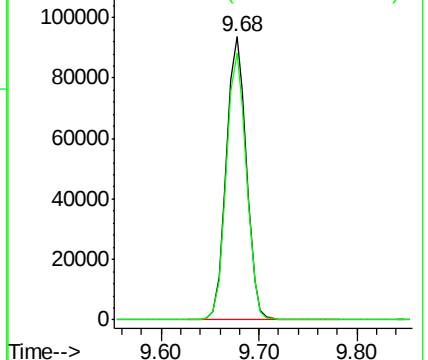
107 100

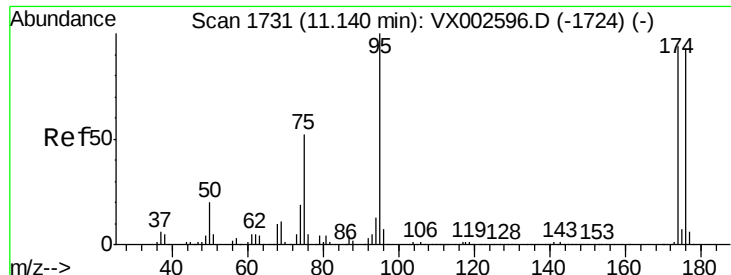
109 94.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

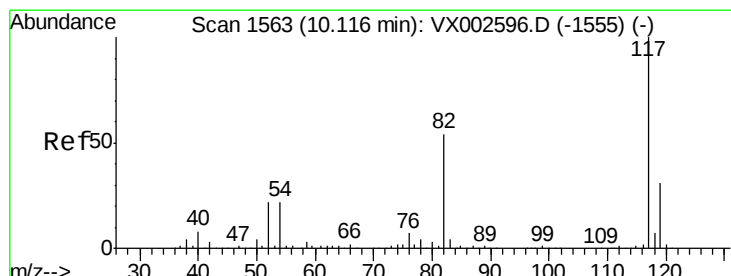
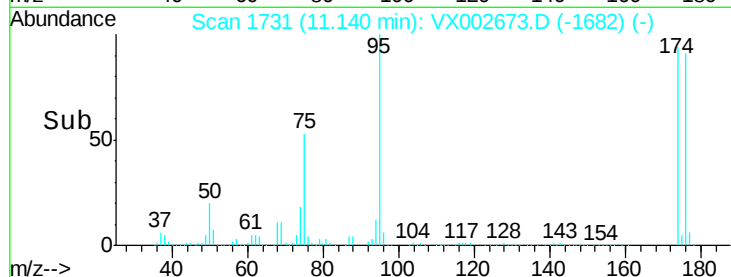
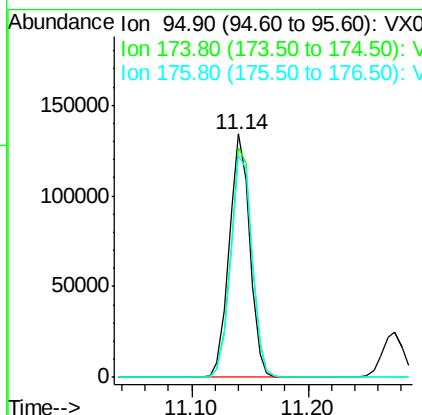
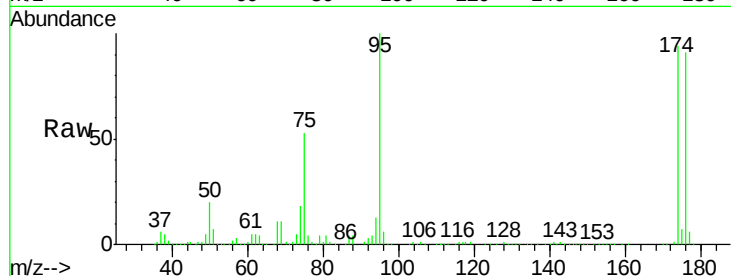




#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

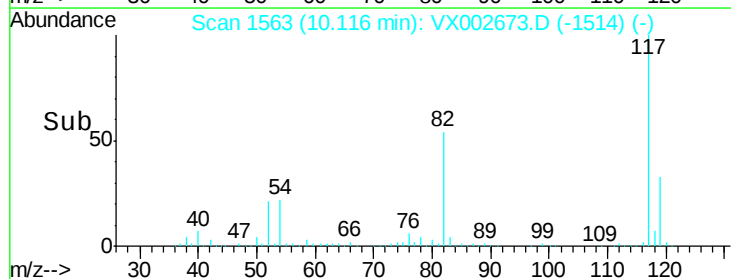
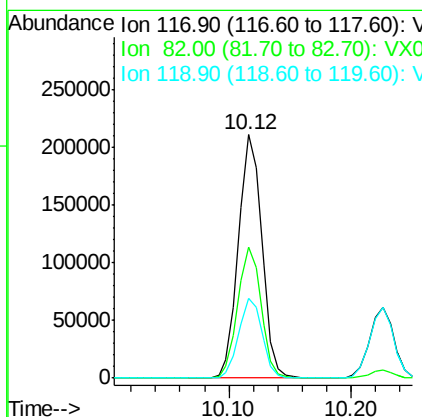
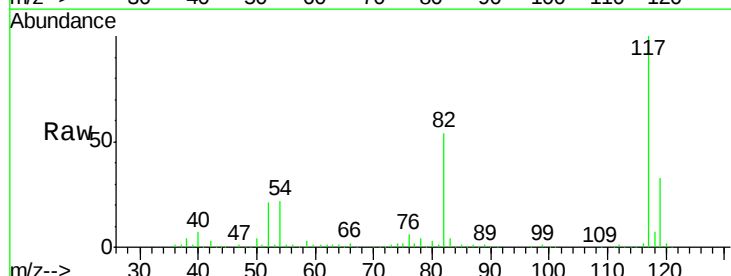
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

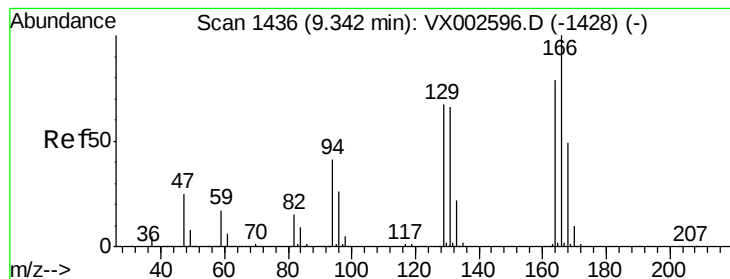
Tot Ion: 95 Resp: 164866
Ion Ratio Lower Upper
95 100
174 97.5 0.0 187.4
176 95.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 117 Resp: 279716
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.6 25.8 38.6





#64

Tetrachloroethene

Concen: 44.836 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion:164 Resp: 139213

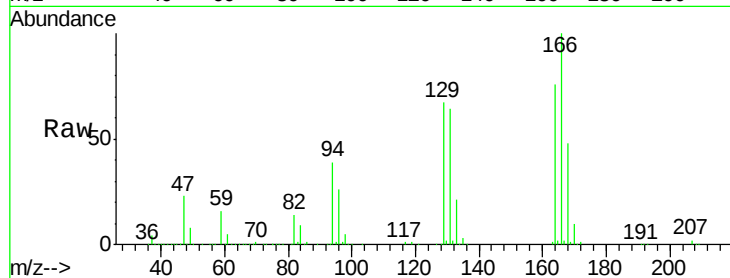
Ion Ratio Lower Upper

164 100

166 130.8 102.9 154.3

129 87.9 68.6 102.8

131 83.6 66.8 100.2

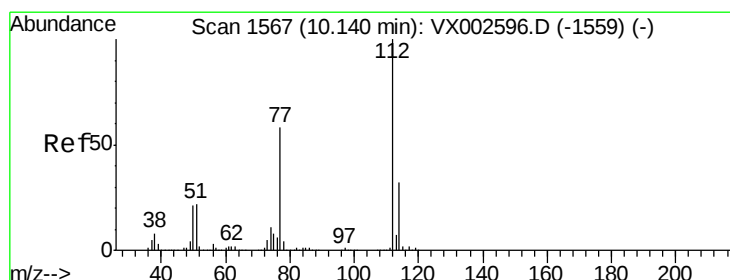
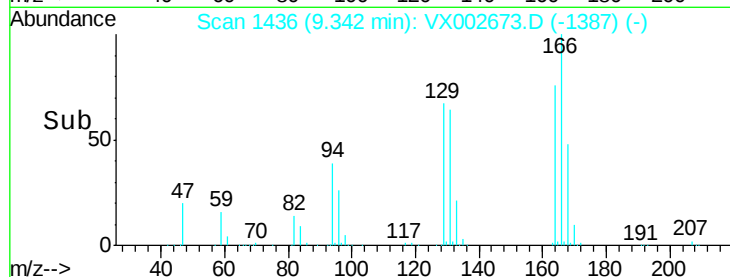
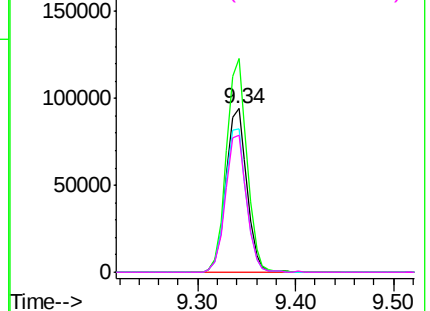


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.512 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002673.D

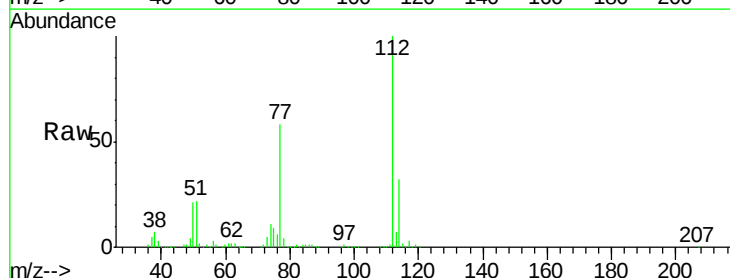
Acq: 17 Jun 2018 02:56

Tgt Ion:112 Resp: 353859

Ion Ratio Lower Upper

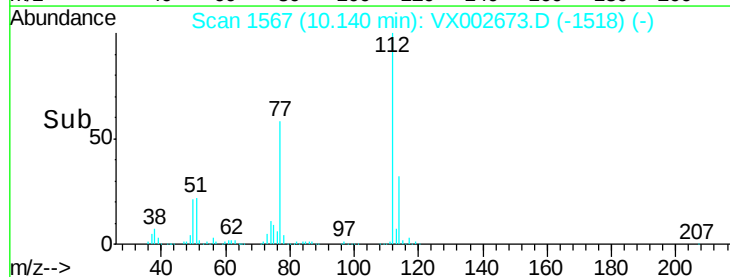
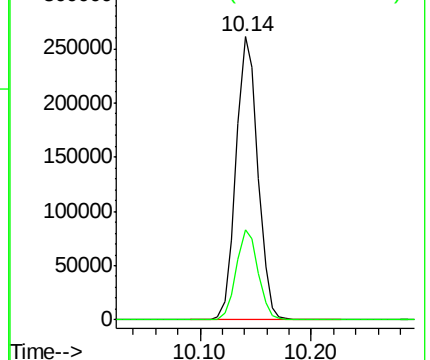
112 100

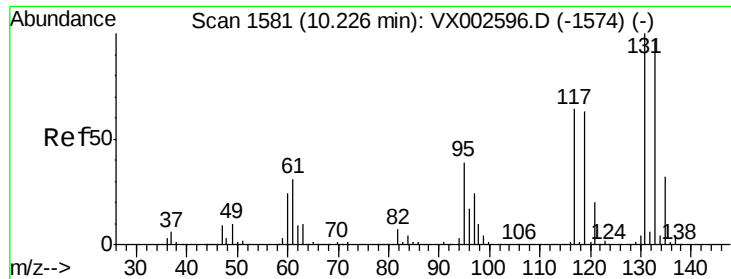
114 32.0 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 55.544 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

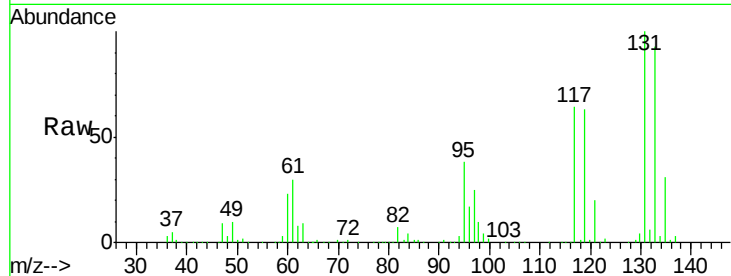
Tot Ion:131 Resp: 130080

Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.6

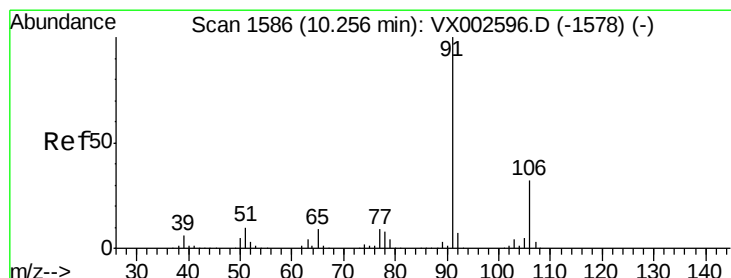
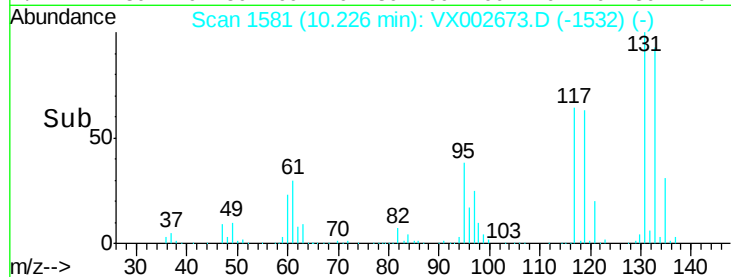
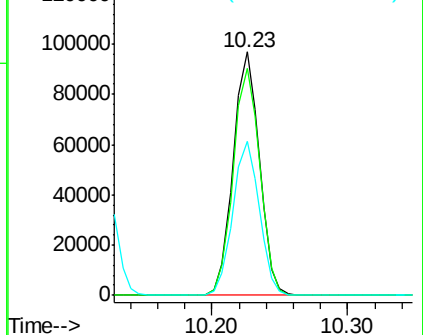
119 63.9 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.744 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002673.D

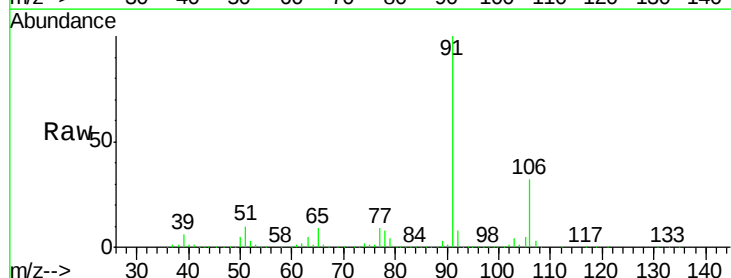
Acq: 17 Jun 2018 02:56

Tgt Ion: 91 Resp: 587949

Ion Ratio Lower Upper

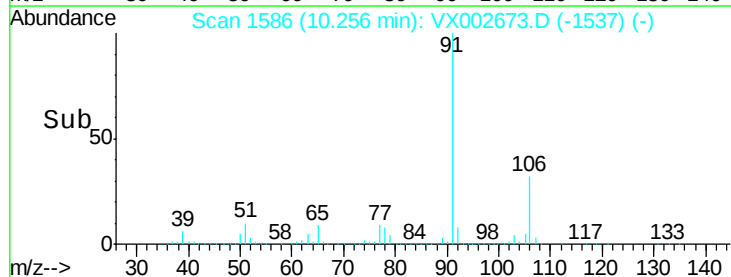
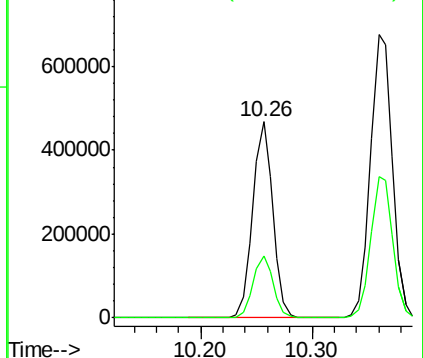
91 100

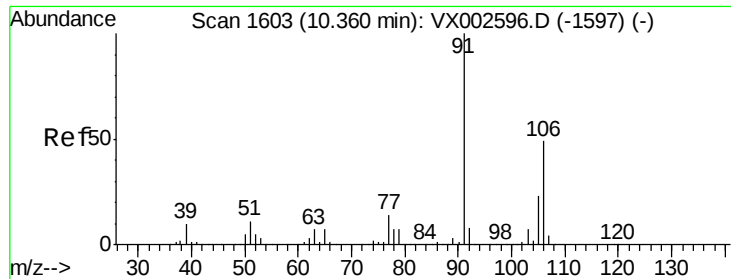
106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

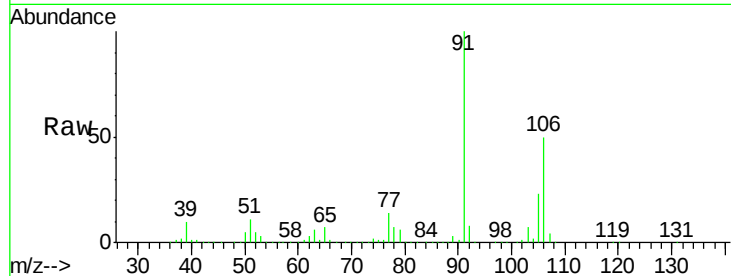




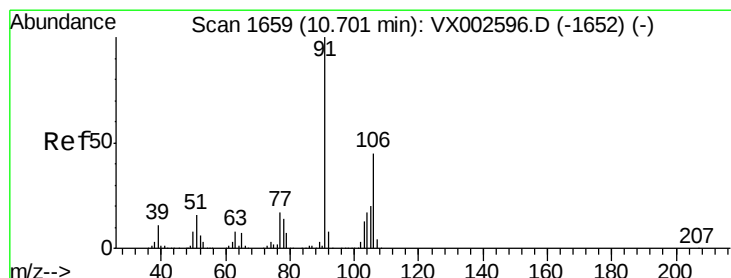
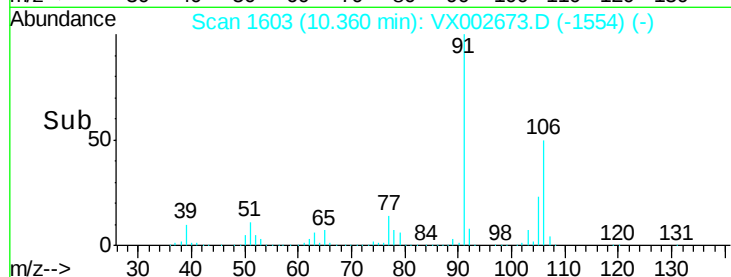
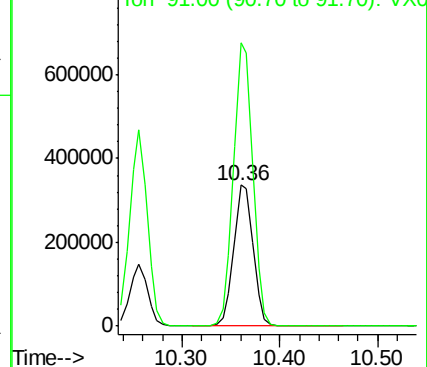
#68
m/p-Xylenes
Concen: 103.395 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

Tot Ion:106 Resp: 462118
Ion Ratio Lower Upper
106 100
91 200.7 163.4 245.2

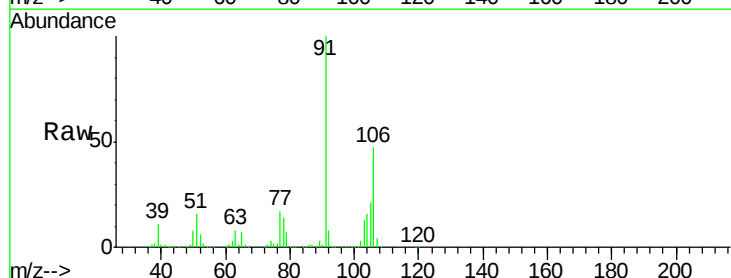


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

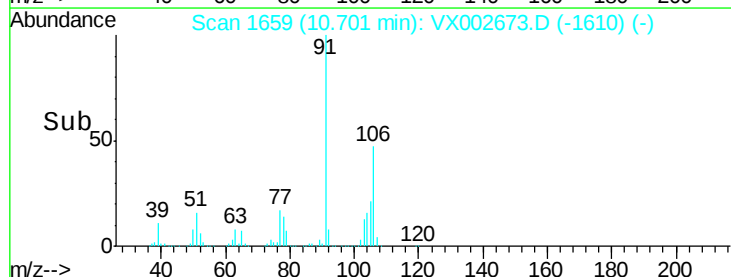
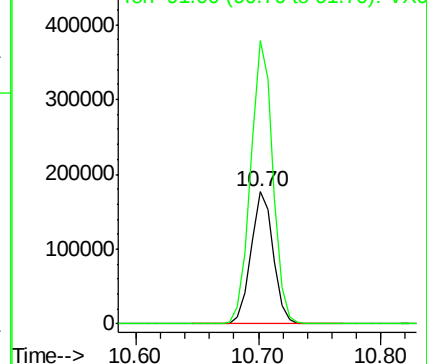


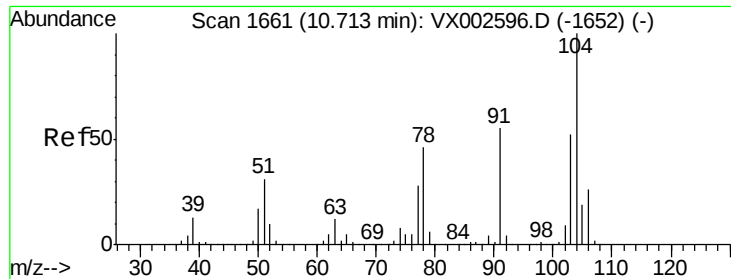
#69
o-Xylene
Concen: 50.905 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:106 Resp: 223537
Ion Ratio Lower Upper
106 100
91 213.2 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

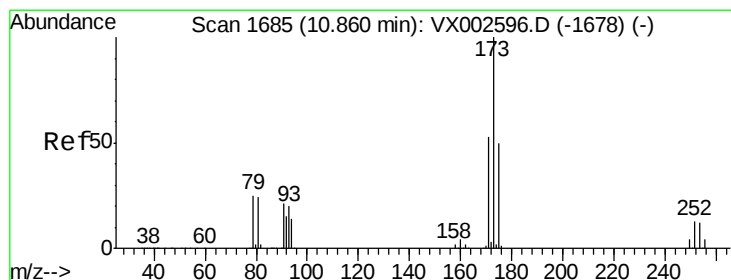
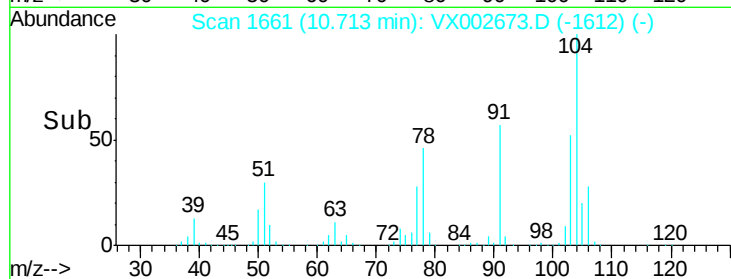
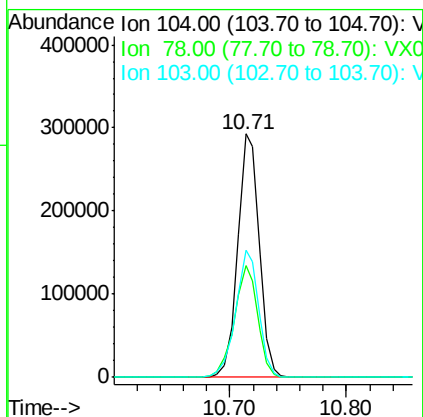
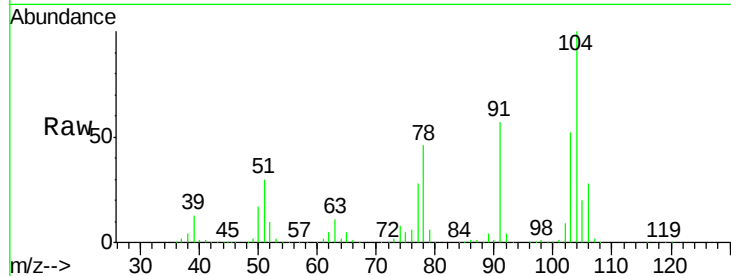




#70
Stvrene
Concen: 52.242 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

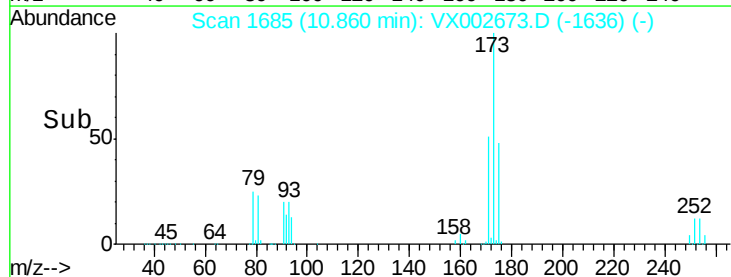
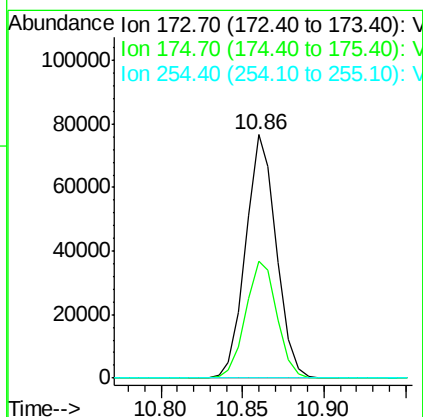
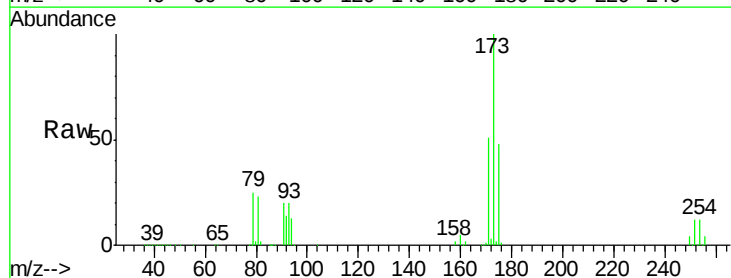
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

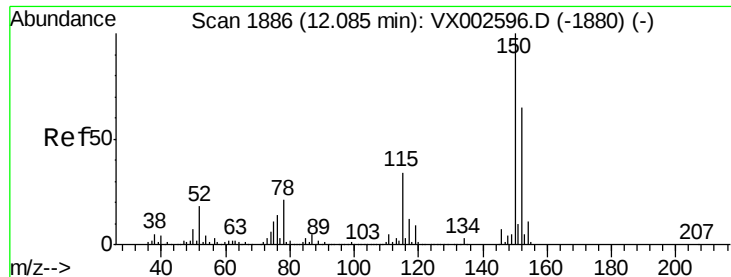
Tot Ion:104 Resp: 377273
Ion Ratio Lower Upper
104 100
78 49.6 41.0 61.6
103 55.5 44.2 66.4



#71
Bromoform
Concen: 47.260 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:173 Resp: 100137
Ion Ratio Lower Upper
173 100
175 49.3 24.7 74.1
254 0.2 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

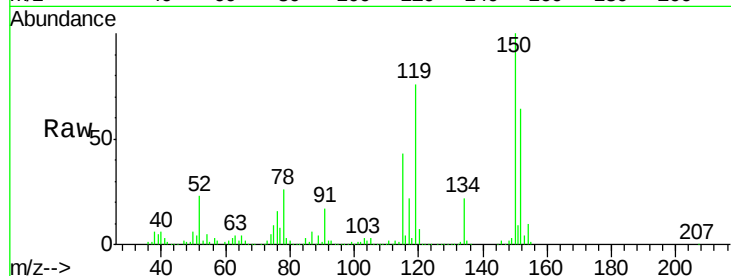
Tot Ion:152 Resp: 175220

Ion Ratio Lower Upper

152 100

115 79.4 40.1 120.2

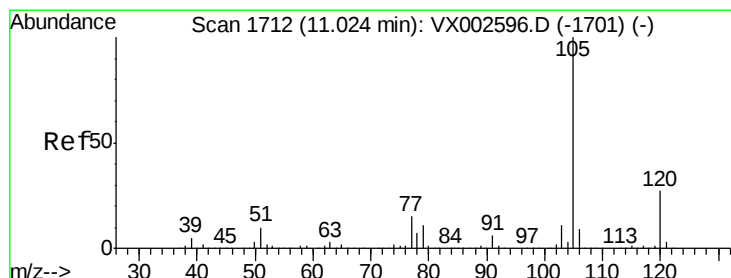
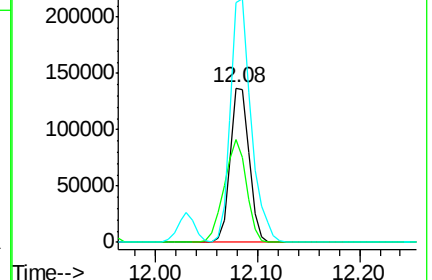
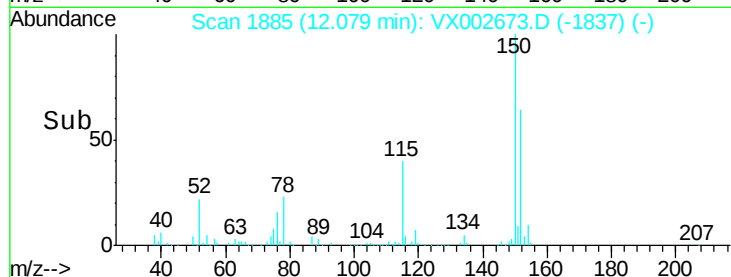
150 173.6 0.0 347.2



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



#73

Isopropylbenzene

Concen: 51.227 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002673.D

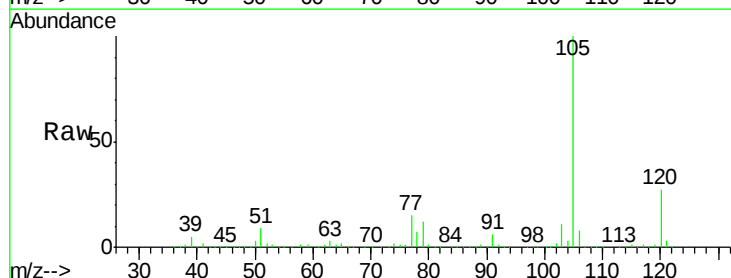
Acq: 17 Jun 2018 02:56

Tgt Ion:105 Resp: 600320

Ion Ratio Lower Upper

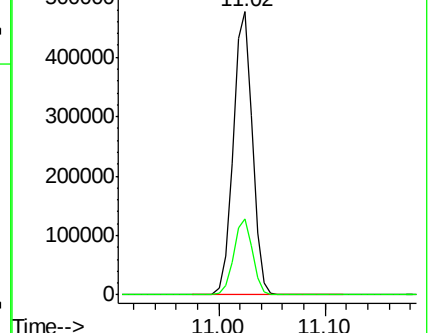
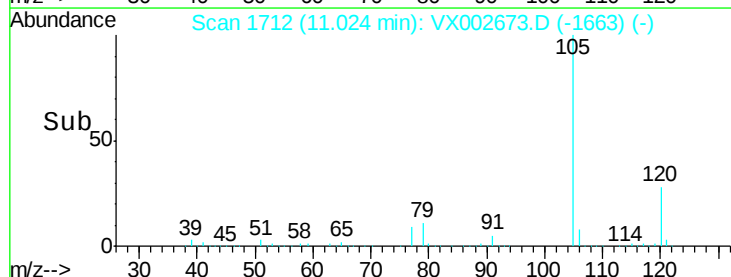
105 100

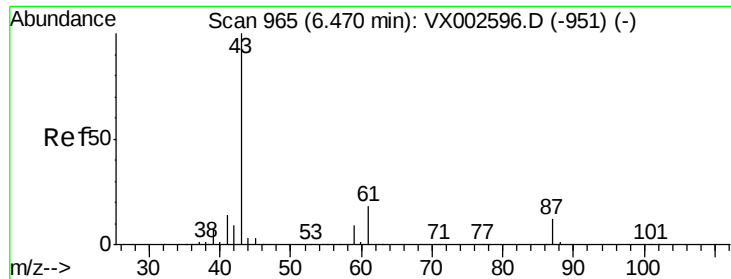
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.788 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

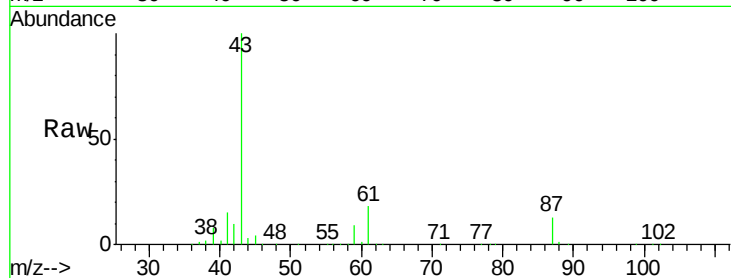
MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

Tot Ion: 43 Resp: 272423

Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	18.3	14.4	21.6

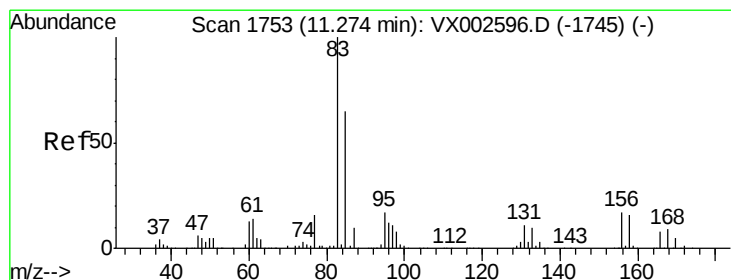
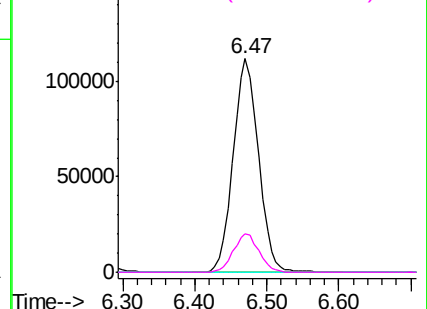
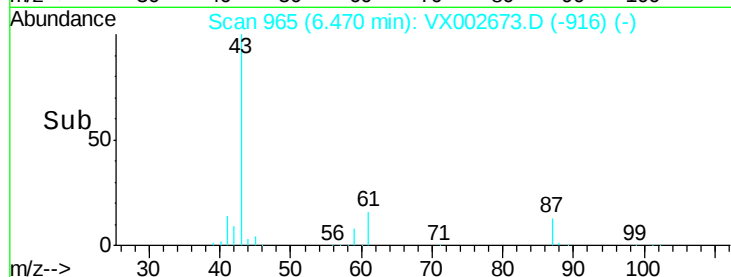


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 54.958 ug/l

RT: 11.27 min Scan# 1753

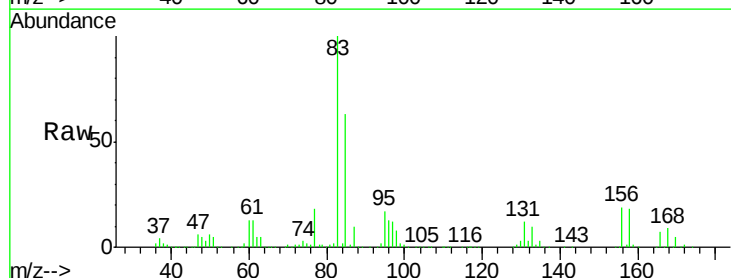
Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Tgt Ion: 83 Resp: 190192

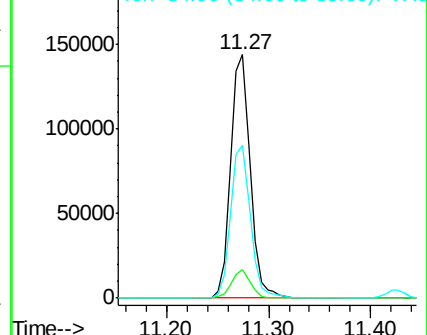
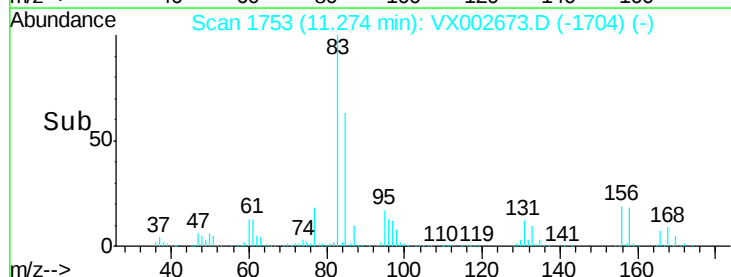
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.6	16.8
85	63.6	32.4	97.2

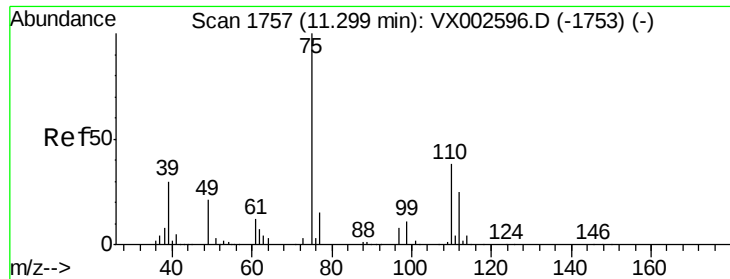


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

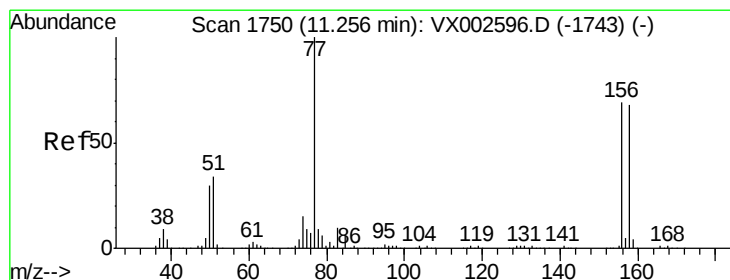
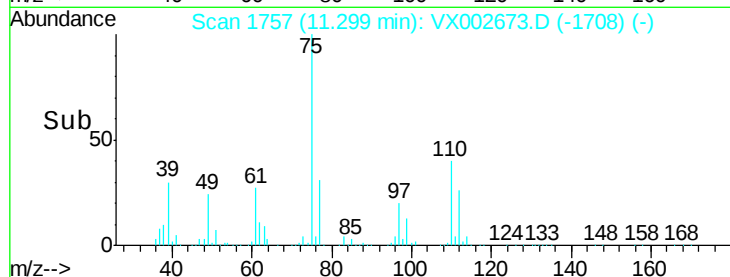
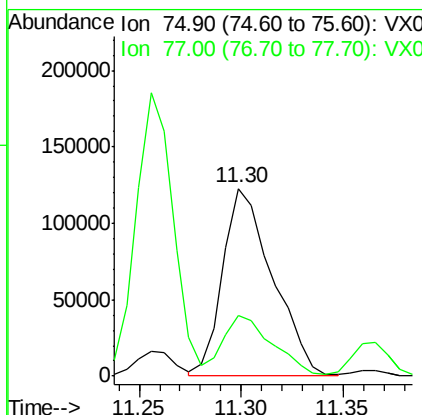
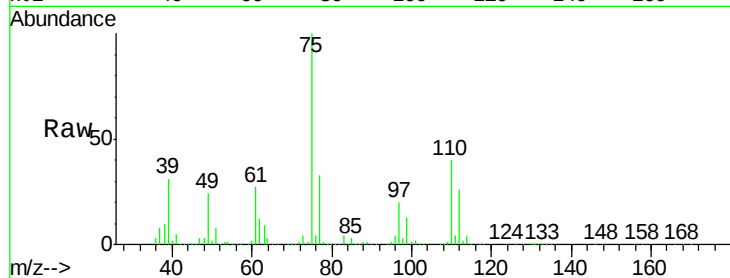




#76
 1,2,3-Trichloropropane
 Concen: 63.044 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

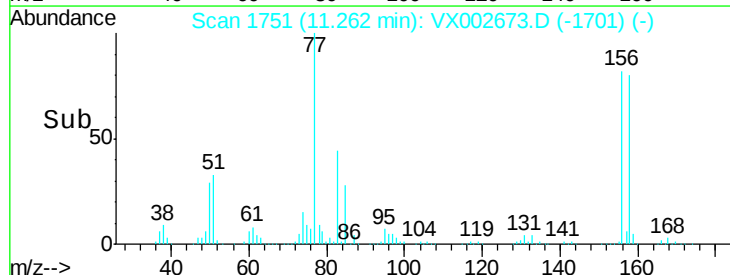
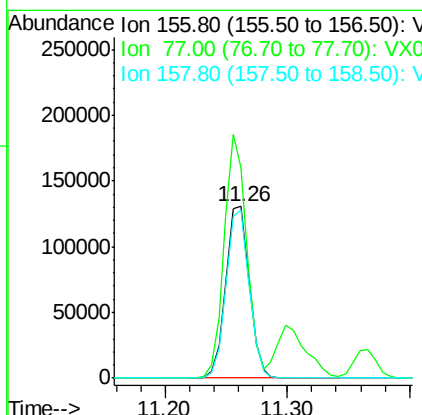
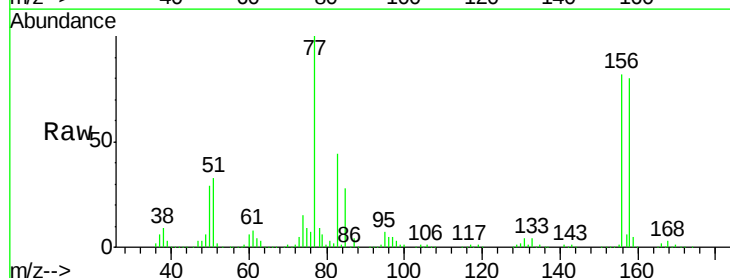
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

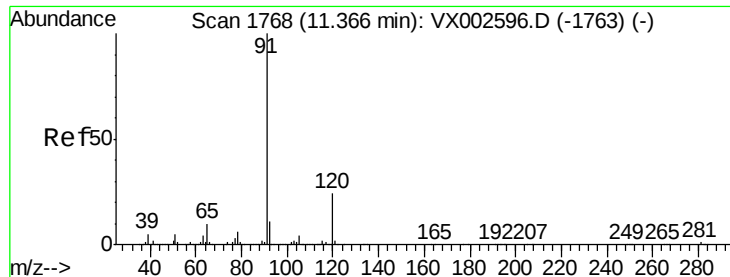
Tot Ion: 75 Resp: 208449
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.8 68.3



#77
 Bromobenzene
 Concen: 52.851 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 156 Resp: 172547
 Ion Ratio Lower Upper
 156 100
 77 136.0 71.4 214.2
 158 96.5 48.9 146.6





#78

n-propylbenzene

Concen: 50.658 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

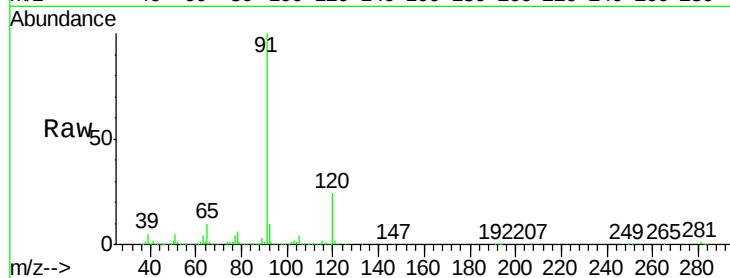
MWHR2-6-061318MS

Tot Ion: 91 Resp: 680828

Ion Ratio Lower Upper

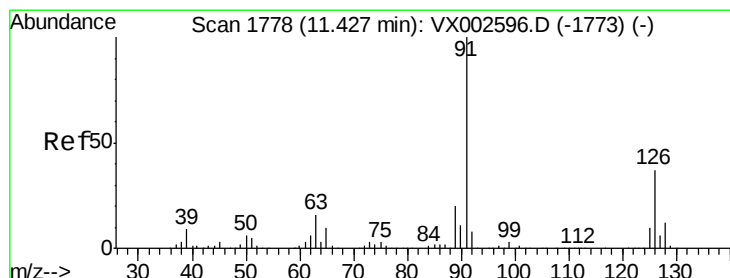
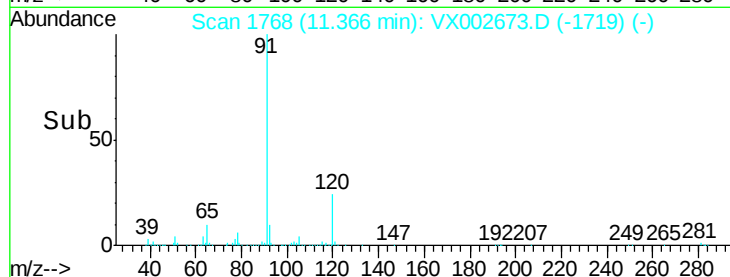
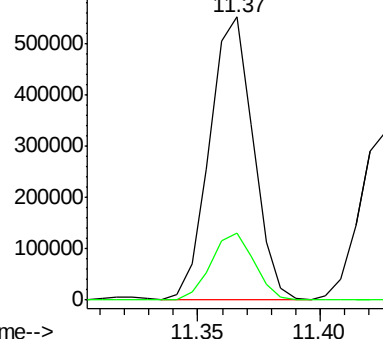
91 100

120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 50.341 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002673.D

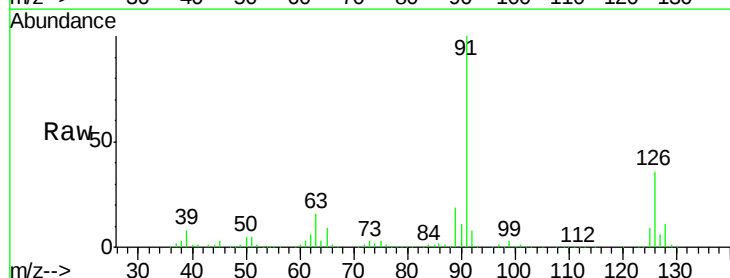
Acq: 17 Jun 2018 02:56

Tgt Ion: 91 Resp: 403952

Ion Ratio Lower Upper

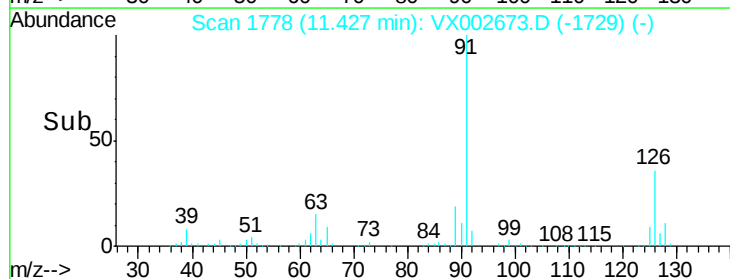
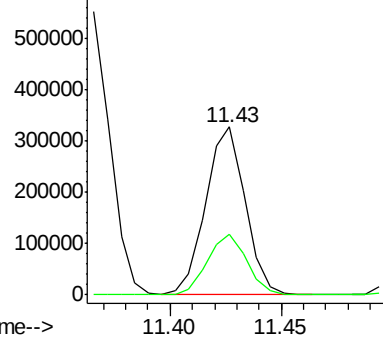
91 100

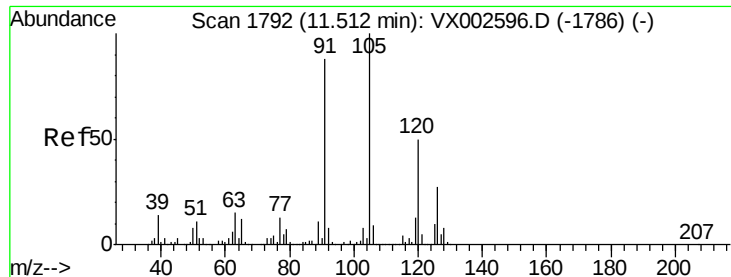
126 36.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

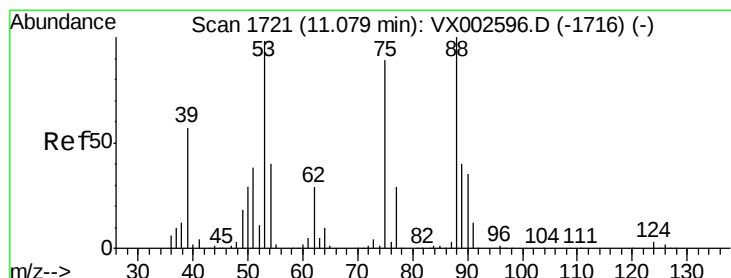
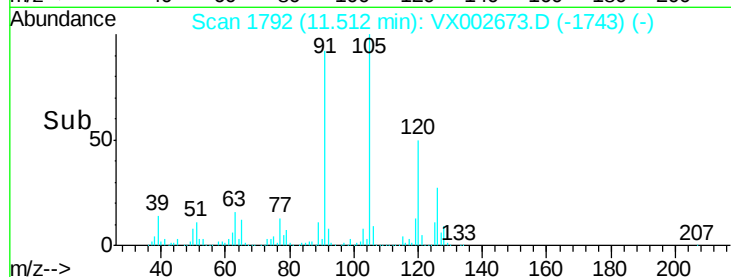
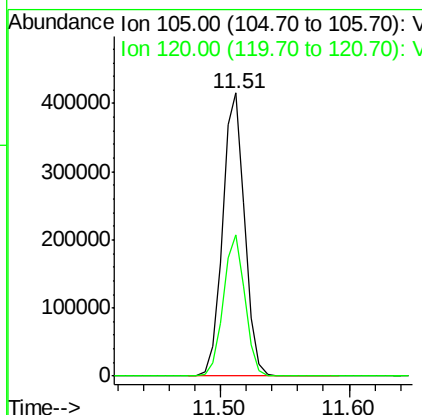
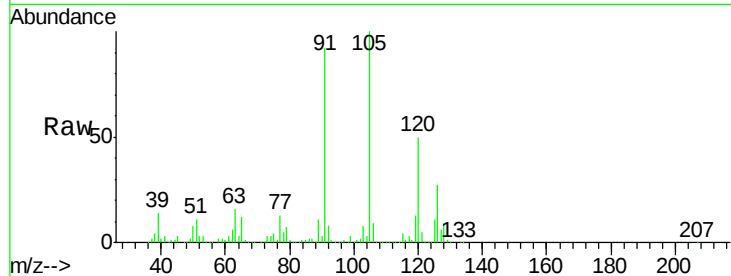




#80
 1,3,5-Trimethylbenzene
 Concen: 50.252 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

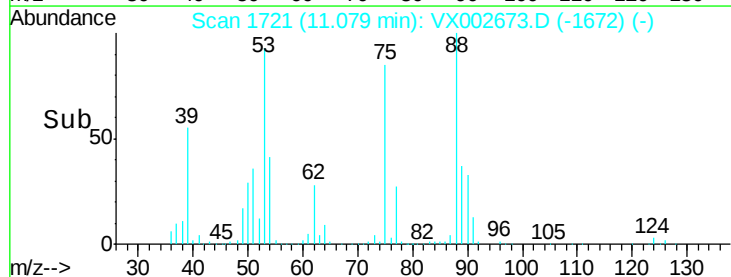
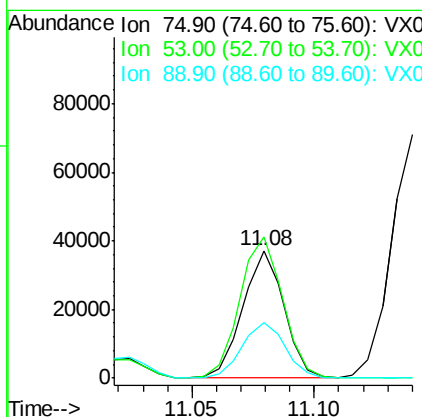
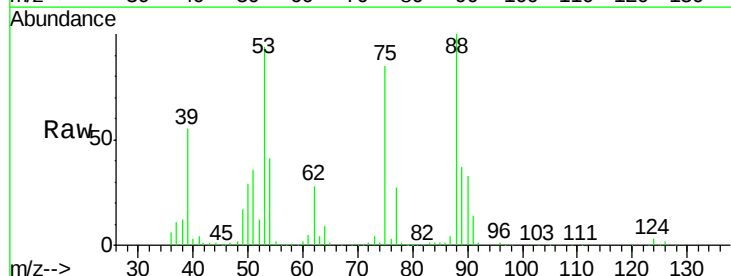
Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

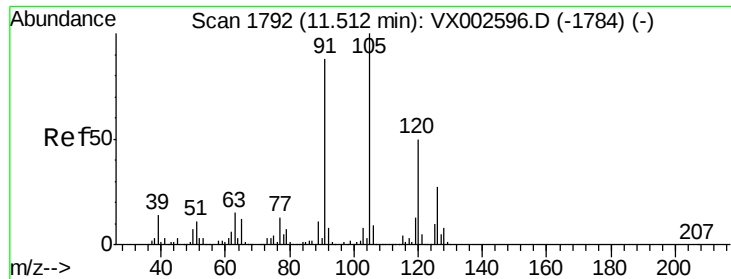
Tot Ion:105 Resp: 497680
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.016 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Tgt Ion: 75 Resp: 43790
 Ion Ratio Lower Upper
 75 100
 53 114.3 86.8 130.2
 89 45.9 38.2 57.2

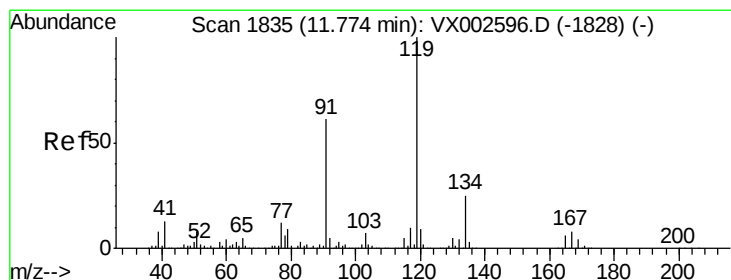
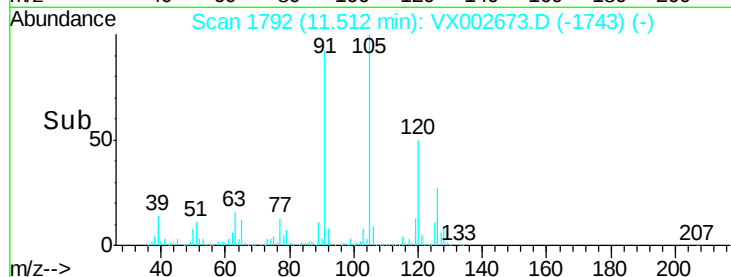
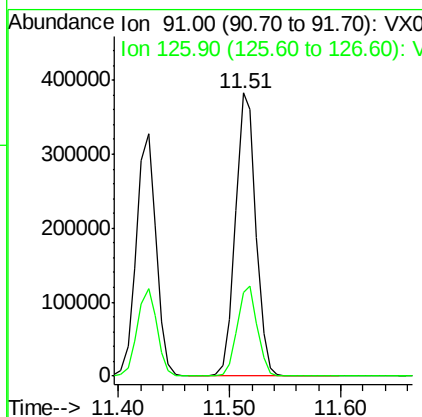
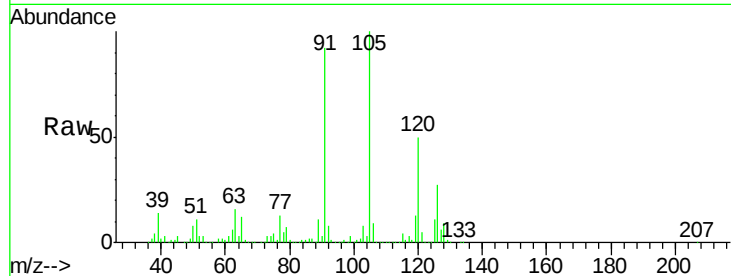




#82
4-Chlorotoluene
Concen: 51.168 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

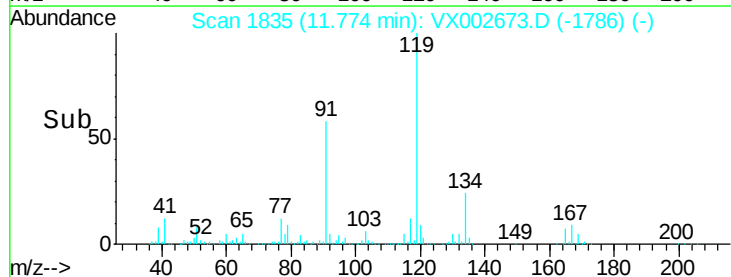
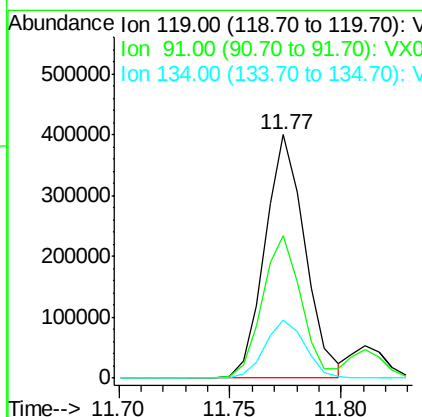
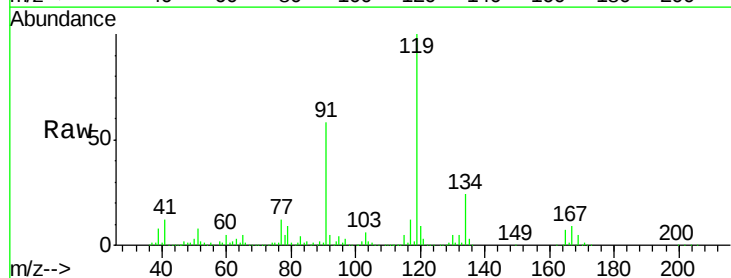
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

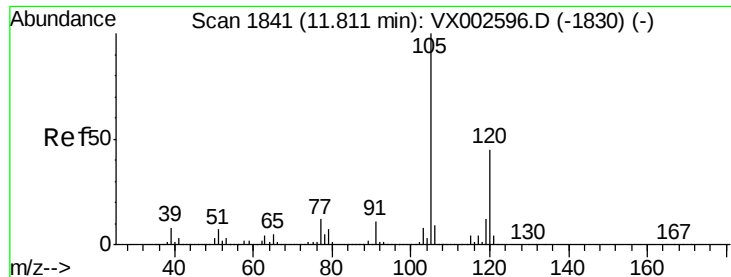
Tot Ion: 91 Resp: 484475
Ion Ratio Lower Upper
91 100
126 31.5 15.4 46.4



#83
tert-Butylbenzene
Concen: 52.383 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion: 119 Resp: 499769
Ion Ratio Lower Upper
119 100
91 57.5 30.3 90.9
134 23.8 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 51.322 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

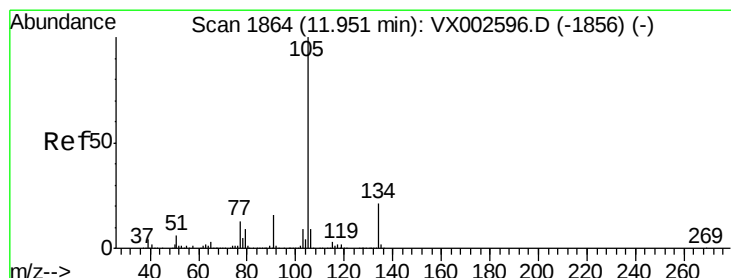
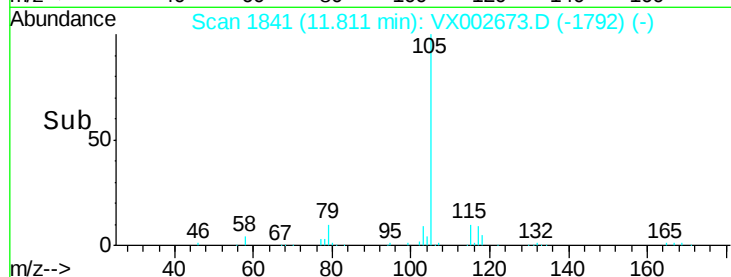
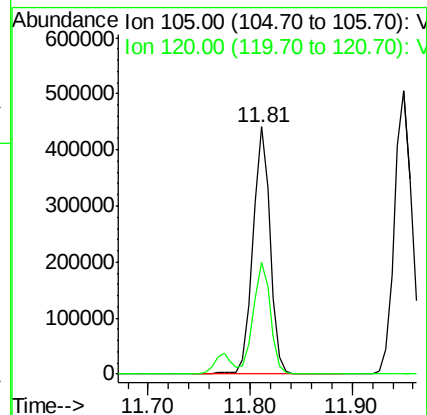
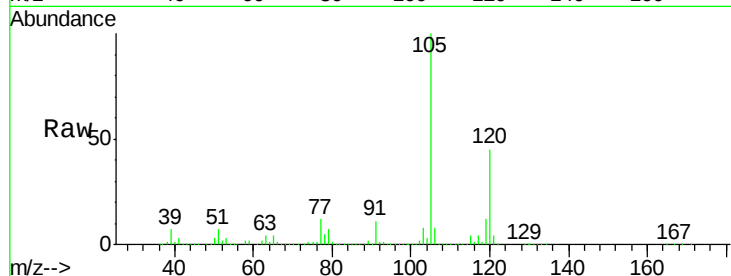
MWHR2-6-061318MS

Tot Ion:105 Resp: 518643

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.8



#85

sec-Butylbenzene

Concen: 50.987 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002673.D

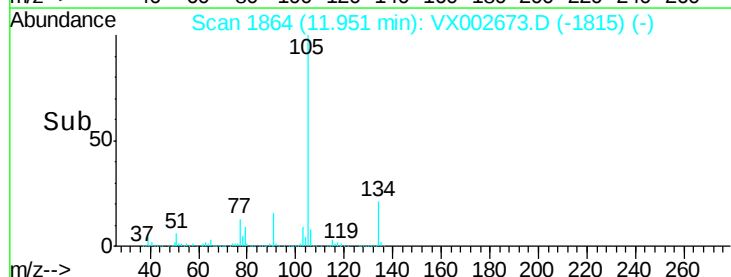
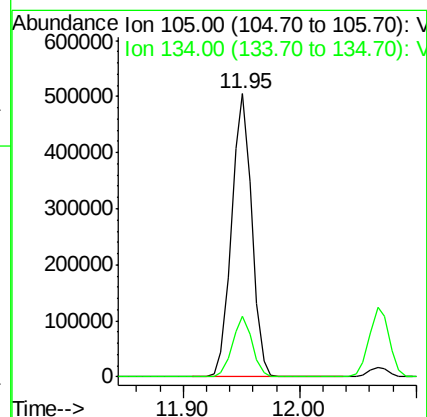
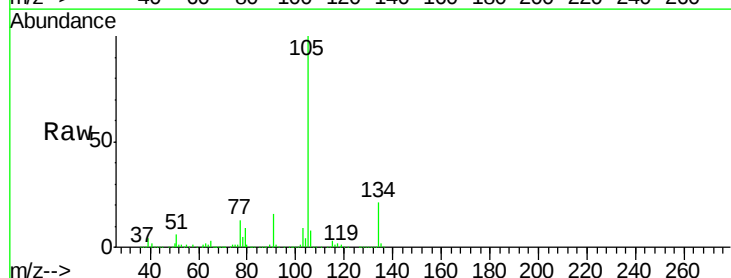
Acq: 17 Jun 2018 02:56

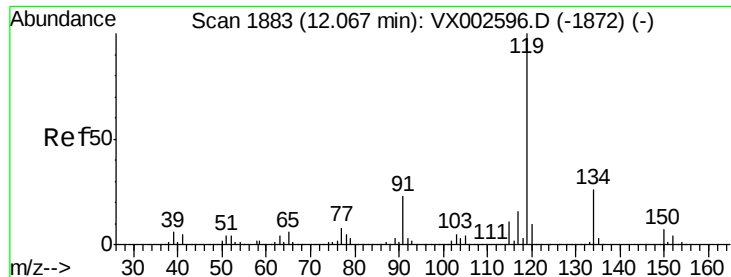
Tgt Ion:105 Resp: 604873

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1





#86

p-Isopropyltoluene

Concen: 50.950 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

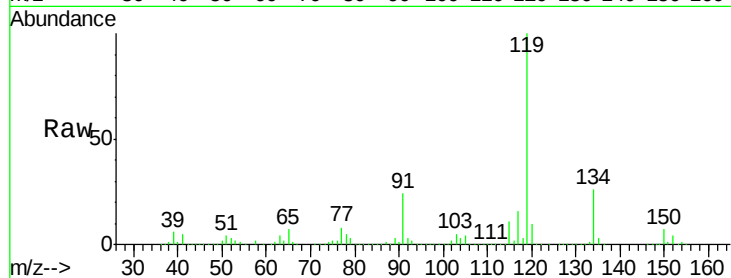
Tot Ion:119 Resp: 546896

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

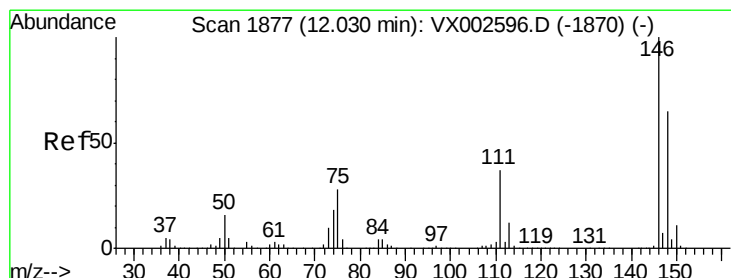
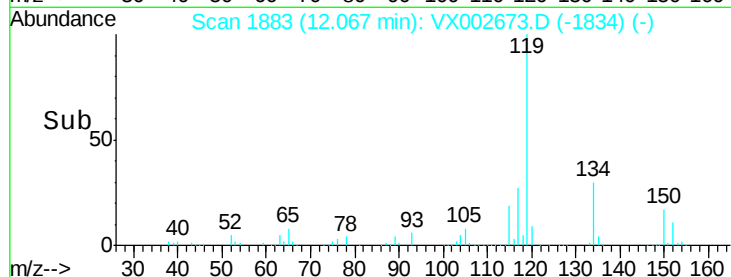
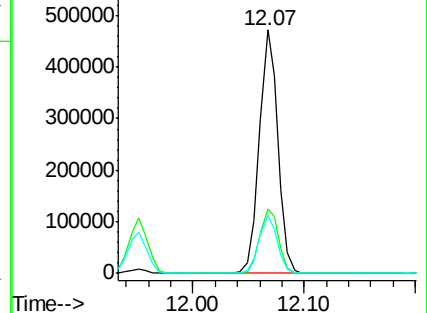
91 23.7 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 50.958 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

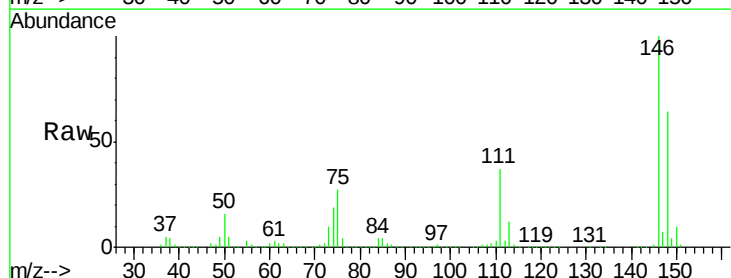
Tgt Ion:146 Resp: 305102

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

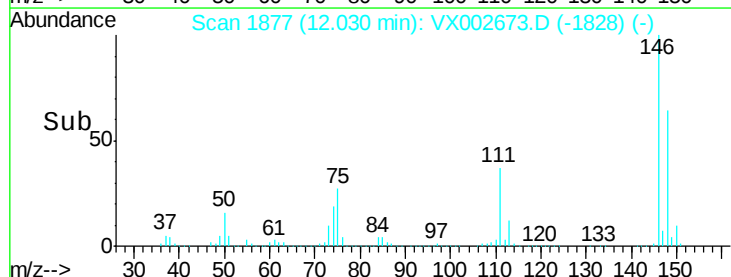
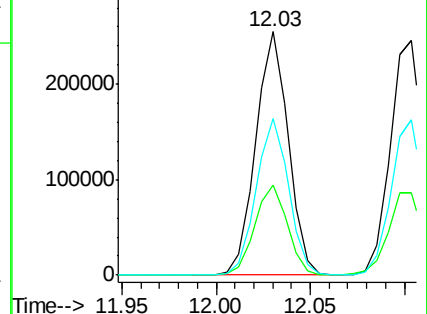
148 64.3 32.1 96.3

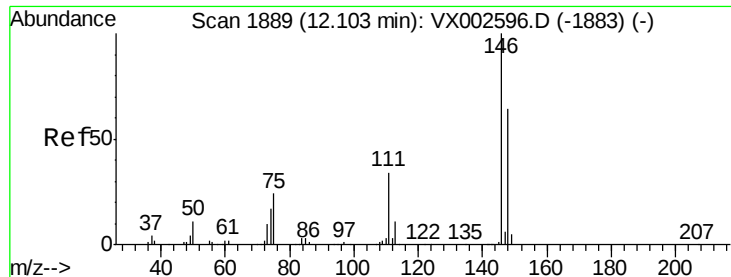


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 50.743 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

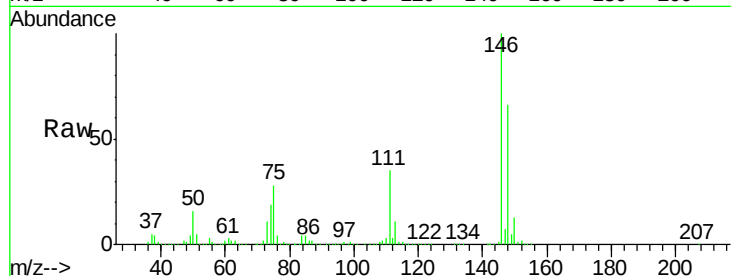
Tot Ion:146 Resp: 309130

Ion Ratio Lower Upper

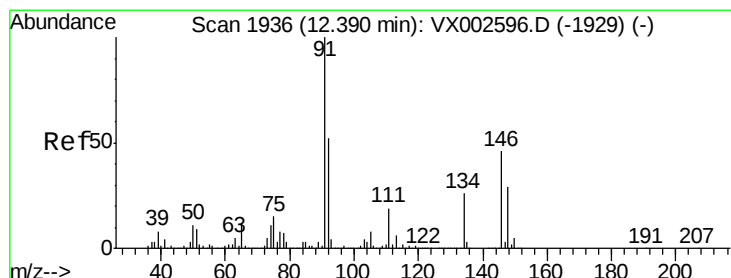
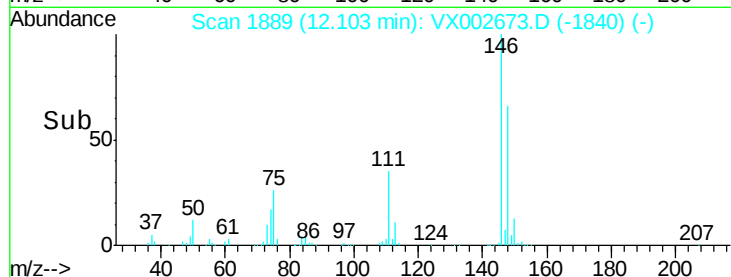
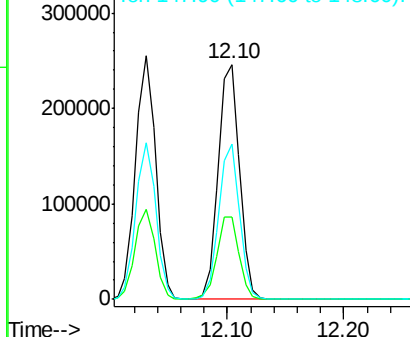
146 100

111 36.1 18.7 56.1

148 64.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.096 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

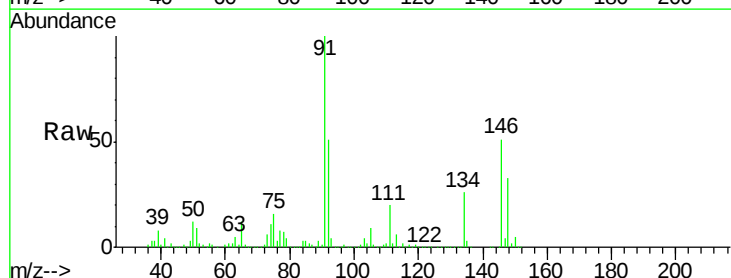
Tgt Ion: 91 Resp: 474365

Ion Ratio Lower Upper

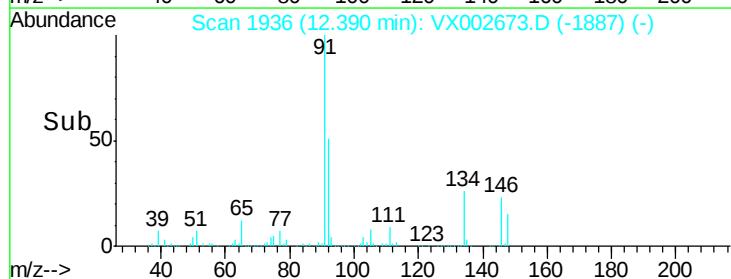
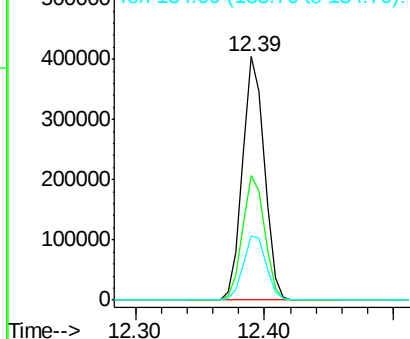
91 100

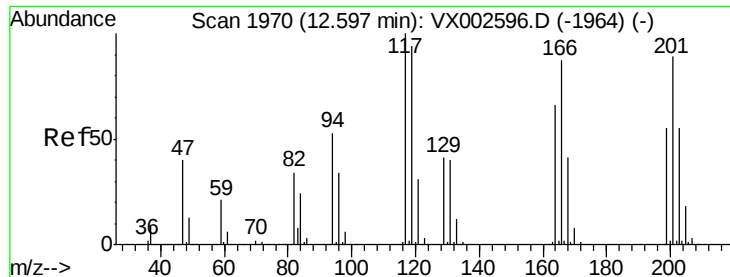
92 51.8 26.0 78.0

134 27.5 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

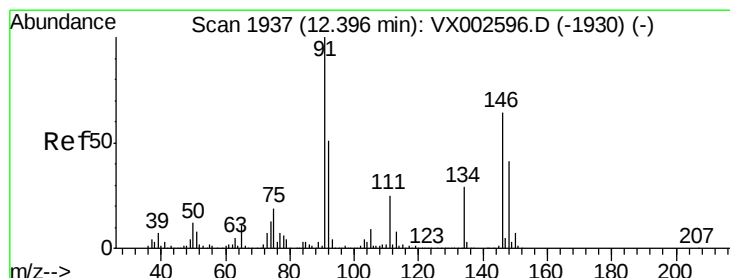
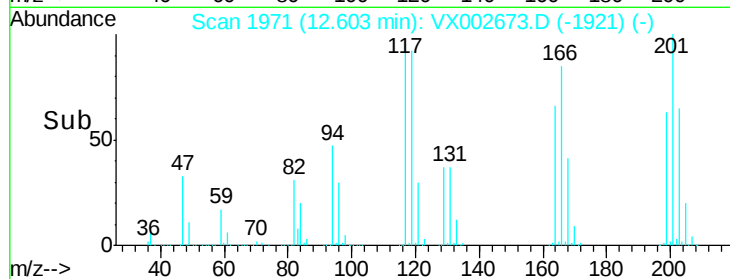
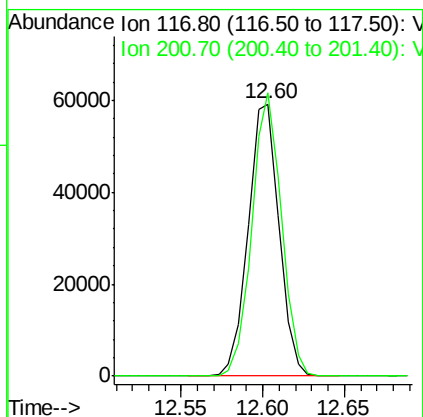
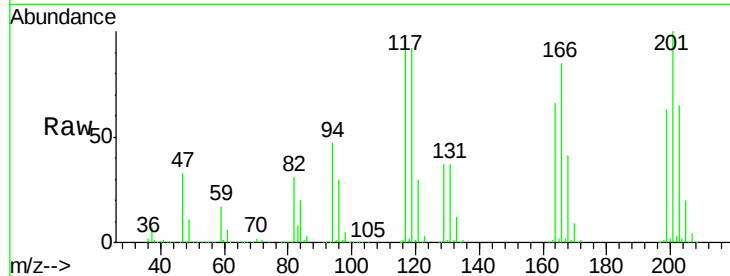




#90
Hexachloroethane
Concen: 46.982 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

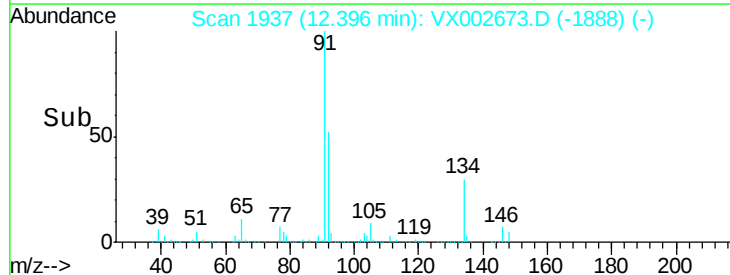
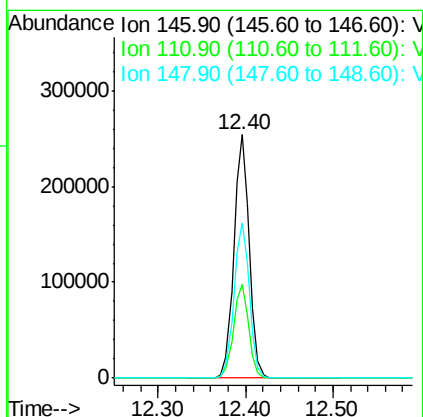
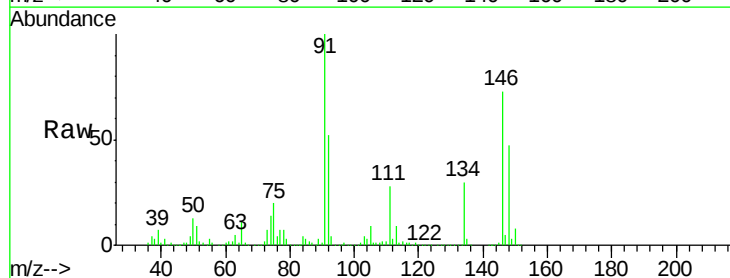
Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MS

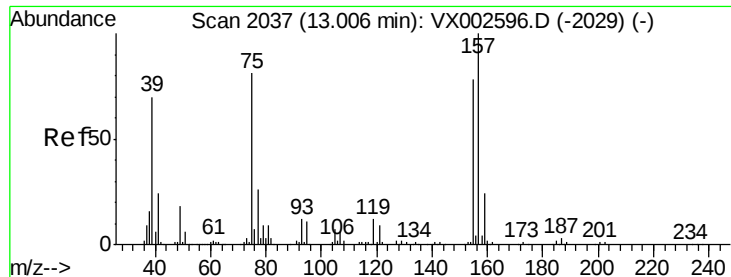
Tot Ion:117 Resp: 78331
Ion Ratio Lower Upper
117 100
201 99.0 49.0 147.0



#91
1,2-Dichlorobenzene
Concen: 51.629 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002673.D
Acq: 17 Jun 2018 02:56

Tgt Ion:146 Resp: 311121
Ion Ratio Lower Upper
146 100
111 38.1 19.4 58.1
148 64.6 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.558 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

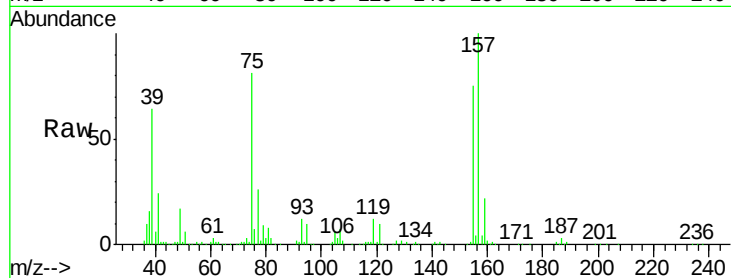
Tot Ion: 75 Resp: 40998

Ion	Ratio	Lower	Upper
75	100		
155	95.2	45.8	137.4
157	124.3	60.1	180.3

75 100

155 95.2 45.8 137.4

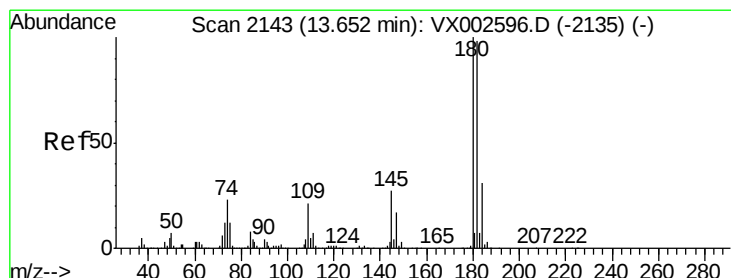
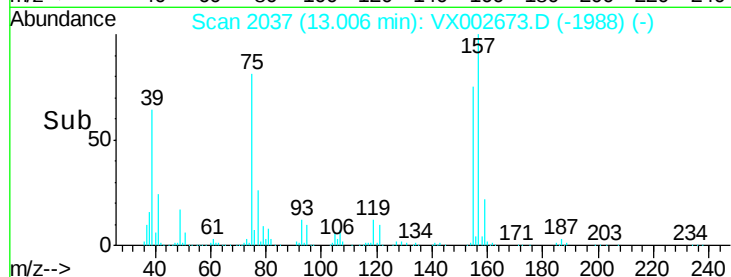
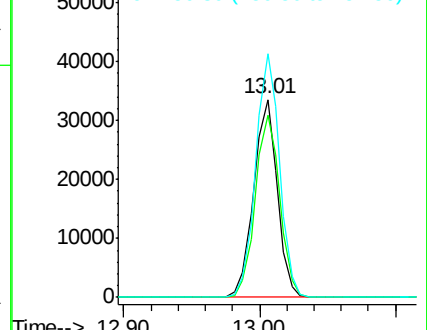
157 124.3 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.392 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

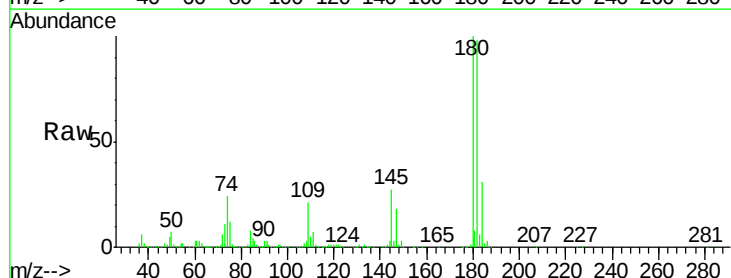
Tgt Ion: 180 Resp: 224762

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	27.9	14.1	42.4

180 100

182 95.8 47.7 143.1

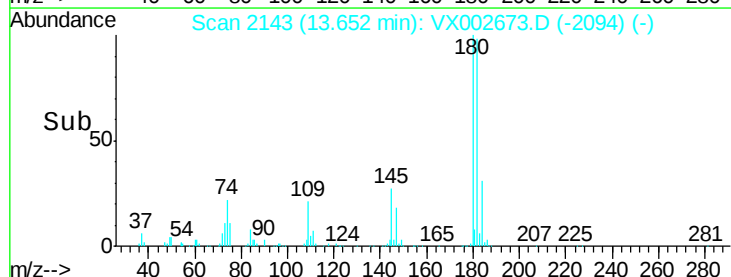
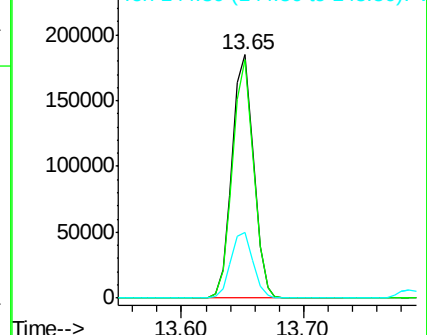
145 27.9 14.1 42.4

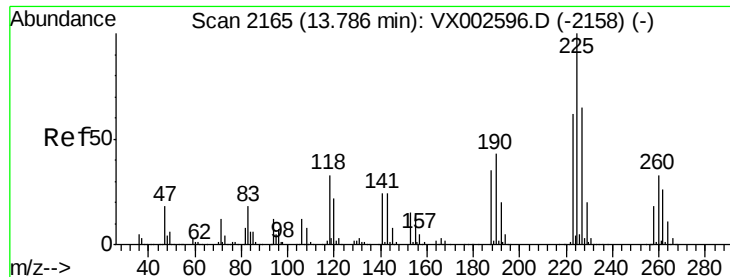


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 47.262 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MS

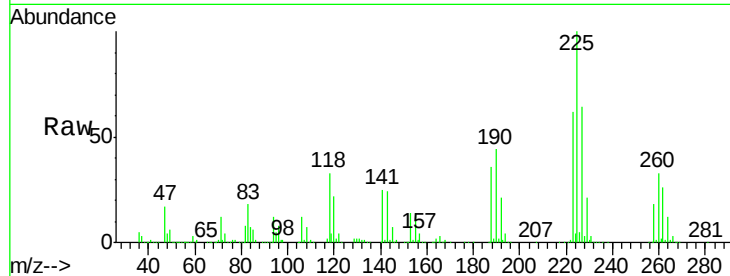
Tot Ion:225 Resp: 108885

Ion Ratio Lower Upper

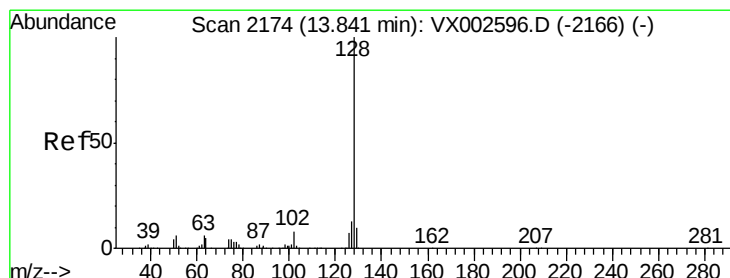
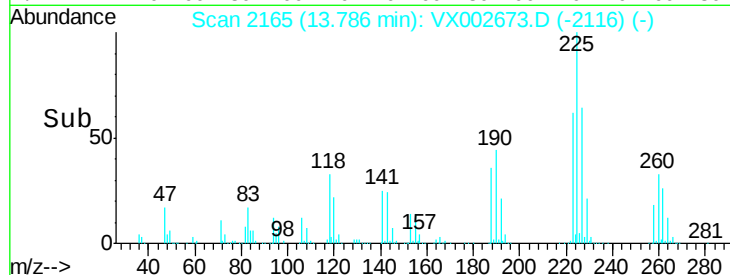
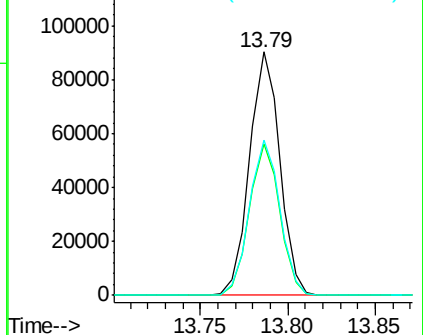
225 100

223 62.2 31.6 95.0

227 64.2 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 53.956 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002673.D

Acq: 17 Jun 2018 02:56

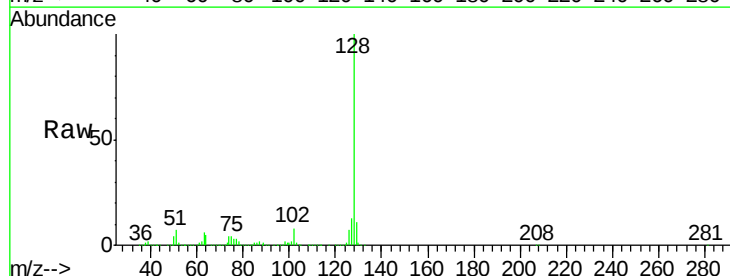
Tgt Ion:128 Resp: 634993

Ion Ratio Lower Upper

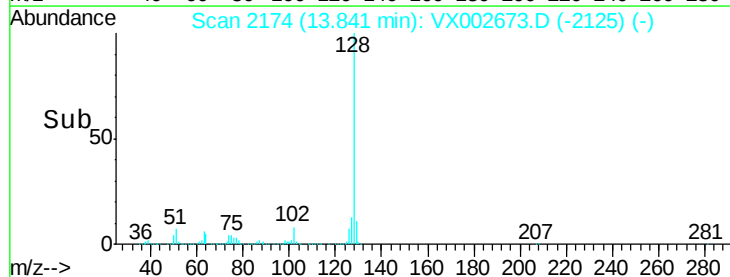
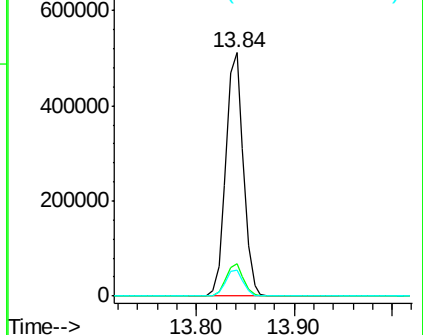
128 100

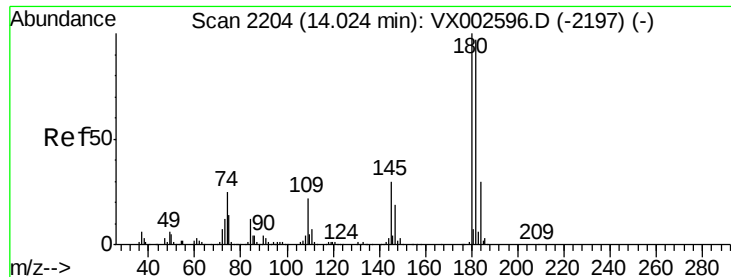
127 13.0 10.4 15.6

129 10.8 8.6 13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 51.565 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002673.D
 Acq: 17 Jun 2018 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.0
145	29.2	14.8	44.3

