

Data File : VX001108.D

Acq On : 25 Apr 2018 05:32

Operator : JC/MD

Sample : J2463-12MSD 10X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

Quant Time: Apr 25 07:30:18 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	230818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160419	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	5.51	113	132169	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.73	98	480881	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.14	95	197128	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	170875	55.09	ug/l	98
3) Chloromethane	1.32	50	153561	53.17	ug/l	99
4) Vinyl Chloride	1.40	62	15310251	5114.58	ug/l #	23
5) Bromomethane	1.64	94	83008	47.93	ug/l	99
6) Chloroethane	1.73	64	91844	51.63	ug/l	99
7) Trichlorofluoromethane	1.93	101	240343	53.44	ug/l	99
8) Diethyl Ether	2.19	74	86852	52.29	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134288	50.96	ug/l	99
10) Methyl Iodide	2.51	142	104928	41.82	ug/l	99
11) Tert butyl alcohol	3.08	59	153597	321.26	ug/l	100
12) 1,1-Dichloroethene	2.38	96	128704	52.82	ug/l	95
13) Acrolein	2.30	56	69443	456.75	ug/l	99
14) Allyl chloride	2.73	41	204452	46.36	ug/l	99
15) Acrylonitrile	3.15	53	363152	280.65	ug/l	100
16) Acetone	2.45	43	595981	499.24	ug/l	99
17) Carbon Disulfide	2.57	76	325174	46.82	ug/l	99
18) Methyl Acetate	2.78	43	232671	64.41	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	439026	53.59	ug/l	98
20) Methylene Chloride	2.86	84	143882	57.41	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	146544	54.02	ug/l	99
22) Diisopropyl ether	3.88	45	458028	53.66	ug/l	99
23) Vinyl Acetate	3.83	43	1862958	263.60	ug/l	99
24) 1,1-Dichloroethane	3.70	63	241666	50.47	ug/l	99
25) 2-Butanone	4.71	43	755249	405.28	ug/l	99
26) 2,2-Dichloropropane	4.59	77	80855	19.63	ug/l #	1
27) cis-1,2-Dichloroethene	4.60	96	1246659	412.58	ug/l	89
28) Bromochloromethane	5.03	49	100815	54.75	ug/l	99
29) Tetrahydrofuran	5.17	42	337848	286.89	ug/l	100
30) Chloroform	5.23	83	263996	53.24	ug/l	98
31) Cyclohexane	5.58	56	223518	50.01	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	233236	52.46	ug/l	98
36) 1,1-Dichloropropene	5.81	75	193276	48.34	ug/l	100
37) Ethyl Acetate	4.87	43	202434	55.20	ug/l #	81
38) Carbon Tetrachloride	5.79	117	207705	51.31	ug/l	100

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Instrument :

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ClientSampleId :

LF001MW001-180418MSD

Quant Time: Apr 25 07:30:18 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	233536	50.19	ug/l	99
40) Benzene	6.15	78	598790	53.87	ug/l	98
41) Methacrylonitrile	5.07	41	120114	52.45	ug/l	99
42) 1,2-Dichloroethane	6.21	62	223298	52.34	ug/l	99
43) Isopropyl Acetate	6.48	43	342134	54.38	ug/l	99
44) Trichloroethene	7.22	130	167148	49.22	ug/l	97
45) 1,2-Dichloropropane	7.52	63	146146	52.29	ug/l	98
46) Dibromomethane	7.67	93	102340	52.41	ug/l	98
47) Bromodichloromethane	7.91	83	191658	52.98	ug/l	99
48) Methyl methacrylate	7.79	41	184183	54.37	ug/l	98
49) 1,4-Dioxane	7.76	88	59906	1202.50	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3622369	948.23	ug/l	99
52) Toluene	8.79	92	2101042	289.62	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	196720	45.47	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190245	46.63	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	163648	56.75	ug/l	98
56) Ethyl methacrylate	9.19	69	234088	55.27	ug/l	98
57) 1,3-Dichloropropane	9.38	76	249303	52.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	240193	116.21	ug/l	99
59) 2-Hexanone	9.51	43	860190	294.18	ug/l	99
60) Dibromochloromethane	9.59	129	168357	55.59	ug/l	100
61) 1,2-Dibromoethane	9.68	107	164976	54.22	ug/l	99
64) Tetrachloroethene	9.34	164	166547	47.41	ug/l	99
65) Chlorobenzene	10.15	112	748388	84.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	163043	53.93	ug/l	100
67) Ethyl Benzene	10.26	91	1036807	70.89	ug/l	100
68) m/p-Xylenes	10.37	106	848473	147.18	ug/l	100
69) o-Xylene	10.71	106	438394	78.88	ug/l	99
70) Styrene	10.72	104	486484	53.15	ug/l	94
71) Bromoform	10.87	173	138594	49.28	ug/l	99
73) Isopropylbenzene	11.02	105	793320	52.57	ug/l	99
74) N-amyl acetate	6.48	43	342134	53.00	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	237819	55.67	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	248968	62.17	ug/l	88
77) Bromobenzene	11.26	156	220648	50.37	ug/l	98
78) n-propylbenzene	11.37	91	900306	51.97	ug/l	100
79) 2-Chlorotoluene	11.43	91	539340	52.69	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	774957	60.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	43343	34.30	ug/l	95
82) 4-Chlorotoluene	11.52	91	632804	51.16	ug/l	98
83) tert-Butylbenzene	11.77	119	666444	51.65	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	987147	74.99	ug/l	100
85) sec-Butylbenzene	11.95	105	795714	51.66	ug/l	100
86) p-Isopropyltoluene	12.07	119	731453	51.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	449118	54.77	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	520732	61.87	ug/l	99
89) n-Butylbenzene	12.40	91	633135	49.94	ug/l	99
90) Hexachloroethane	12.60	117	111913	55.43	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	1165715	146.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53742	60.05	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042418\
Quantitation Report (Not Reviewed)

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Instrument :
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Quant Time: Apr 25 07:30:18 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration

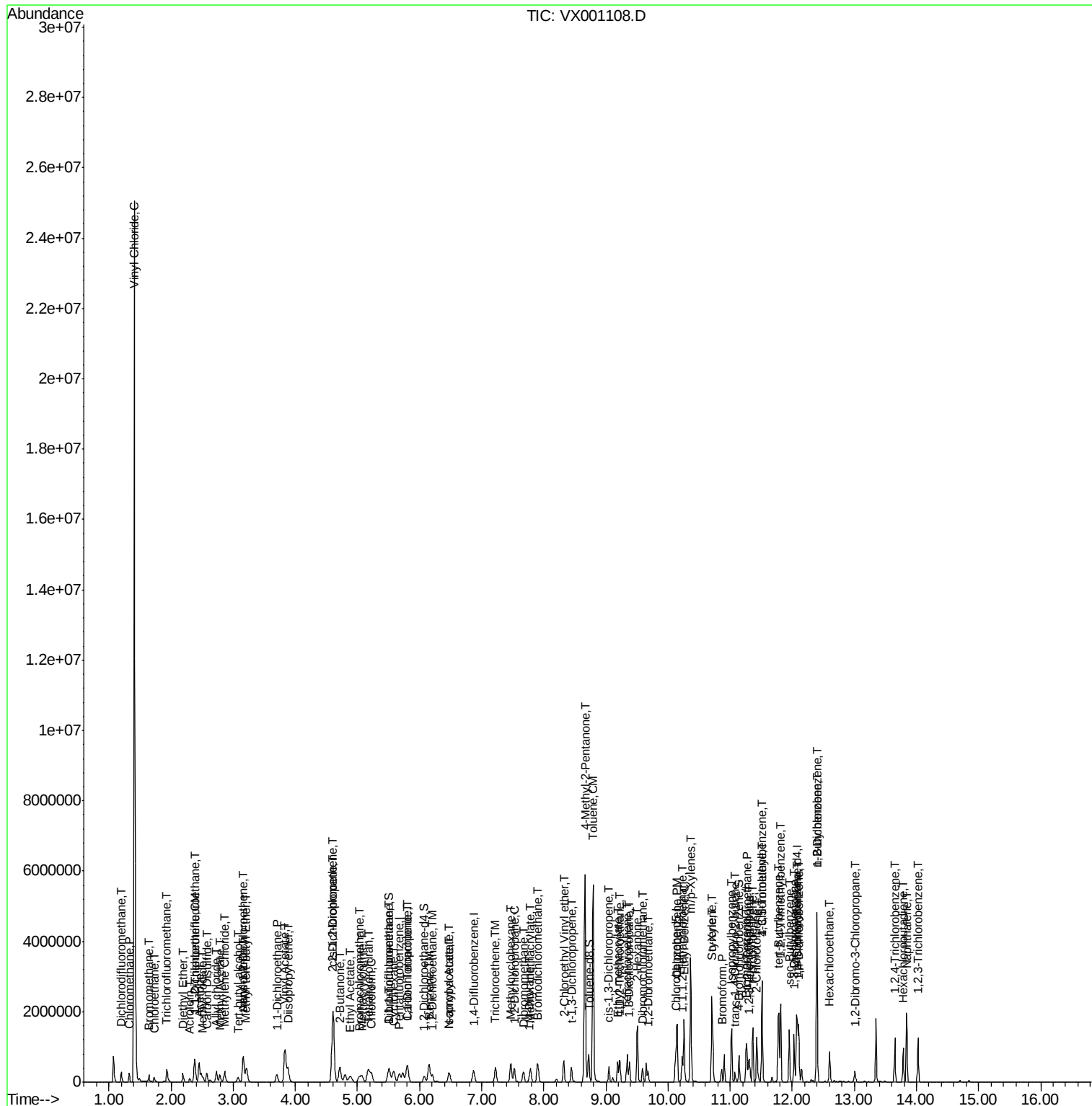
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	322117	48.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	156955	52.05	ug/l	99
95) Naphthalene	13.84	128	1172860	71.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	325362	50.48	ug/l	100

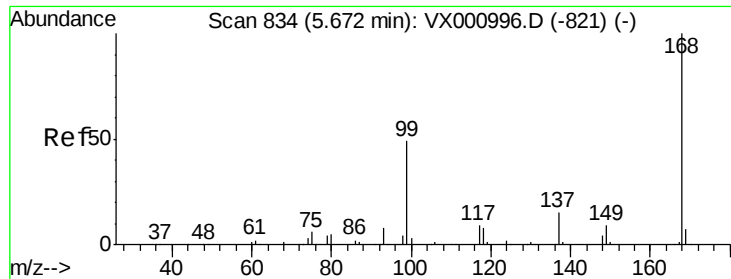
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 36 Sample Multiplier: 1

LF001MW001-180418MSD

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

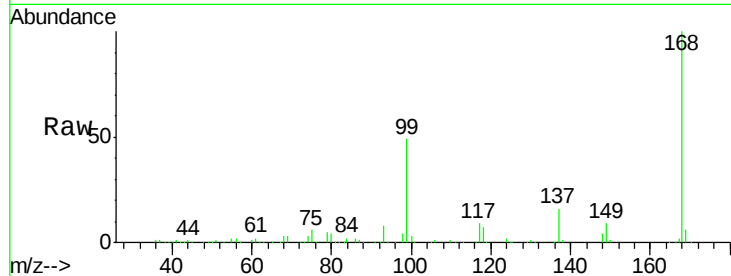
LF001MW001-180418MSD

Tgt Ion: 168 Resp: 250093

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

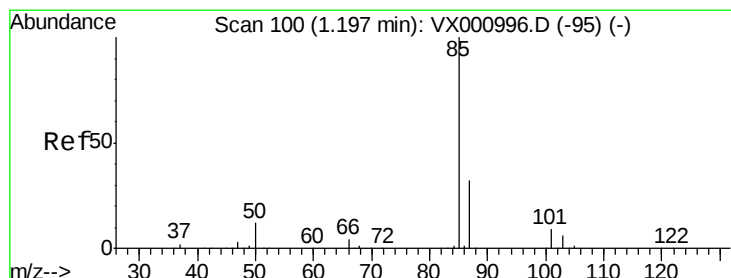
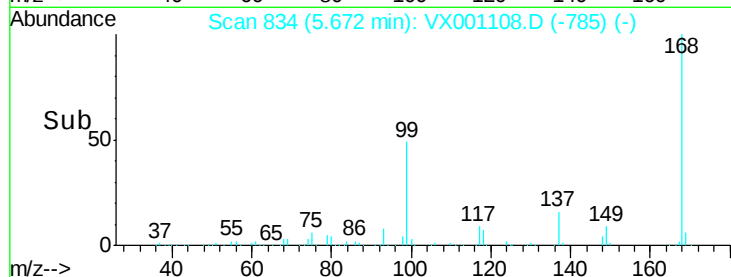
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 55.09 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001108.D

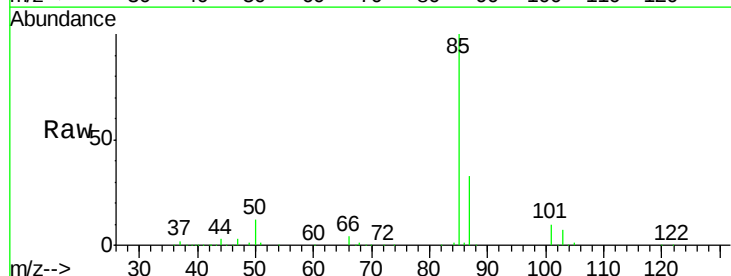
Acq: 25 Apr 2018 05:32

Tgt Ion: 85 Resp: 170875

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

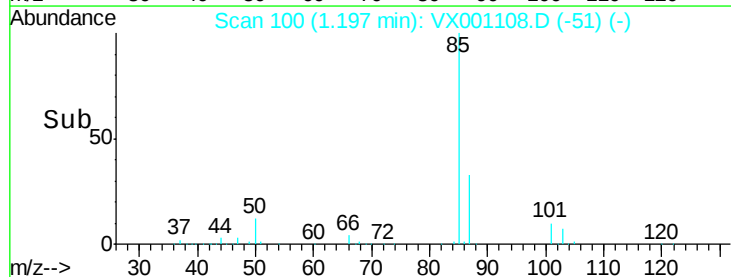
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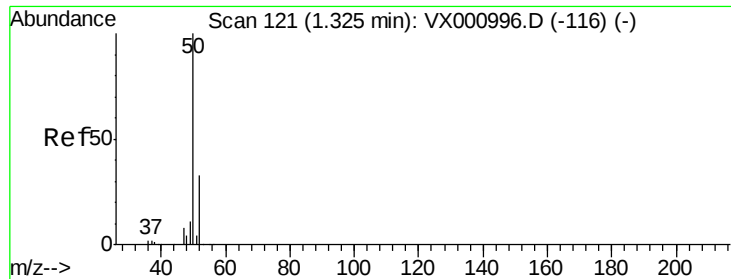
100000

50000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 53.17 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

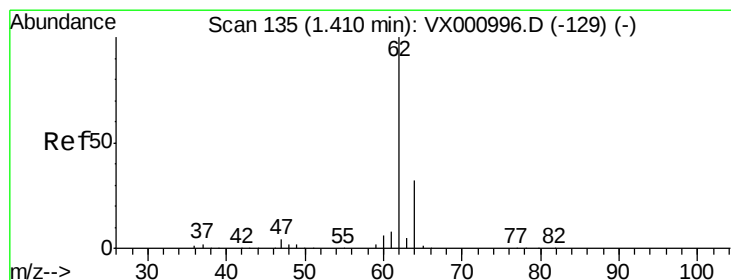
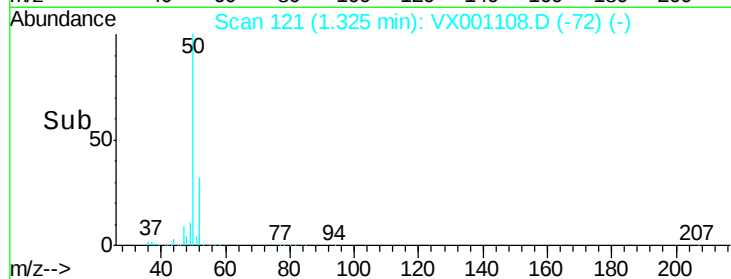
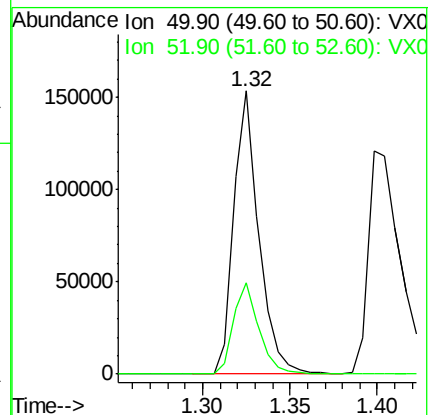
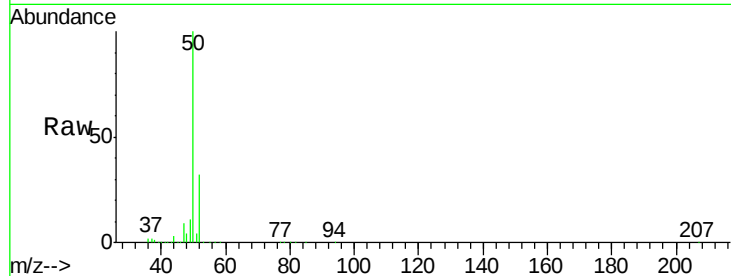
LF001MW001-180418MSD

Tgt Ion: 50 Resp: 153561

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 5114.58 ug/l

RT: 1.40 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX001108.D

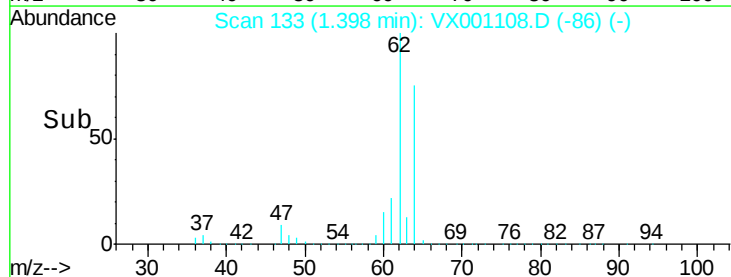
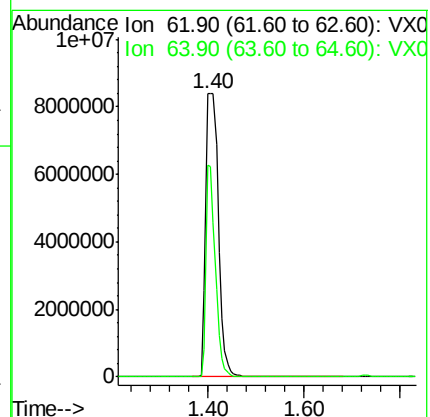
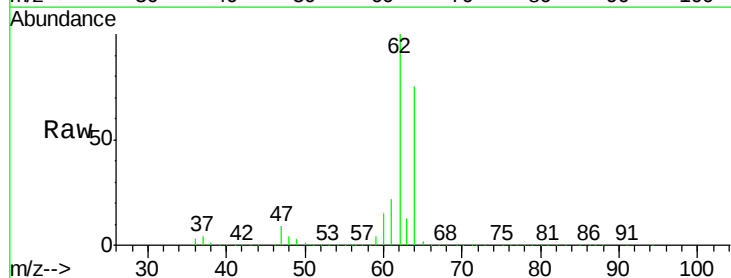
Acq: 25 Apr 2018 05:32

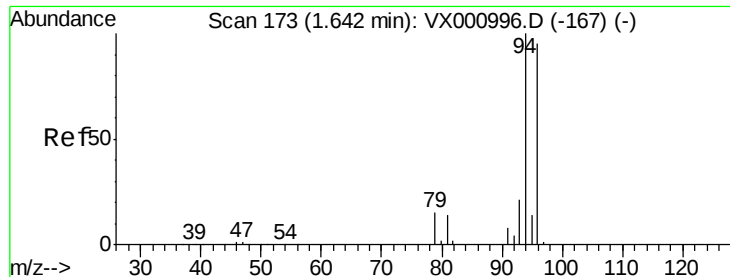
Tgt Ion: 62 Resp: 15310251

Ion Ratio Lower Upper

62 100

64 74.9 25.6 38.4#





#5

Bromomethane

Concen: 47.93 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

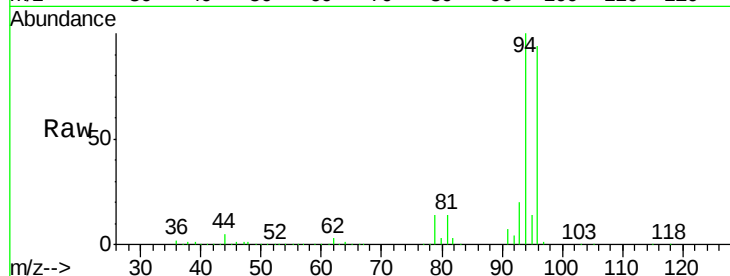
LF001MW001-180418MSD

Tgt Ion: 94 Resp: 83008

Ion Ratio Lower Upper

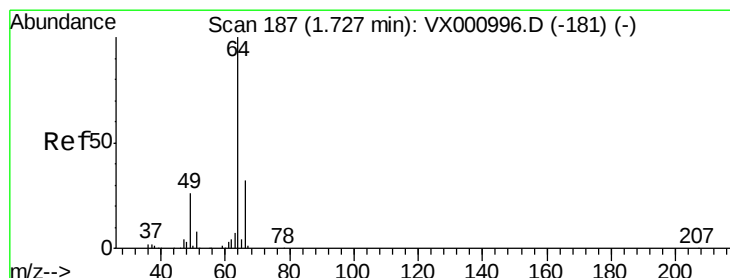
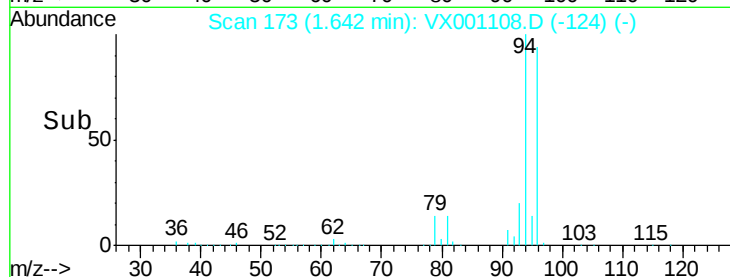
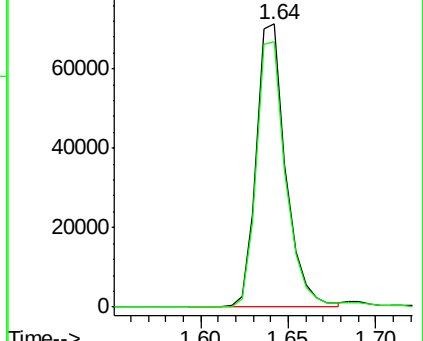
94 100

96 93.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.63 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001108.D

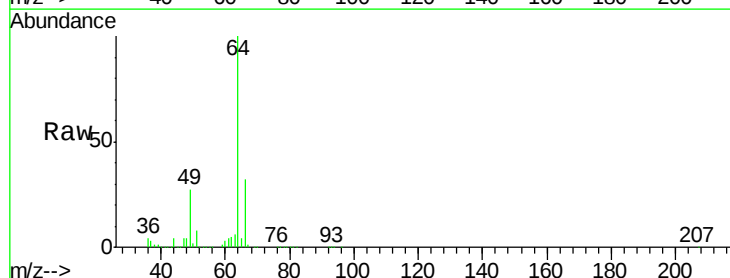
Acq: 25 Apr 2018 05:32

Tgt Ion: 64 Resp: 91844

Ion Ratio Lower Upper

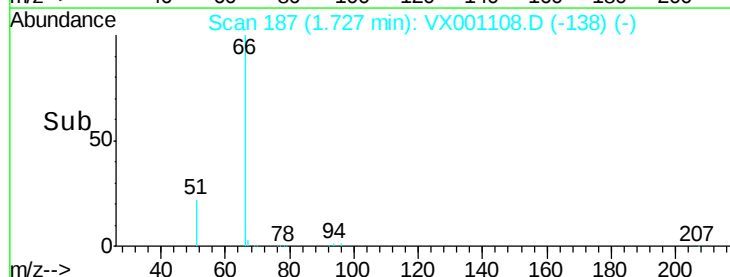
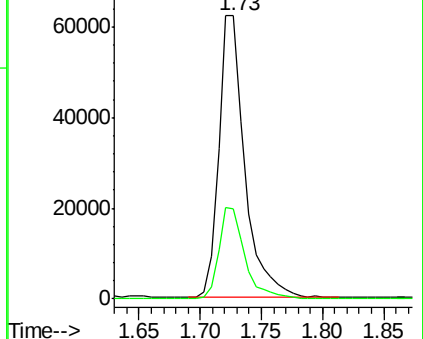
64 100

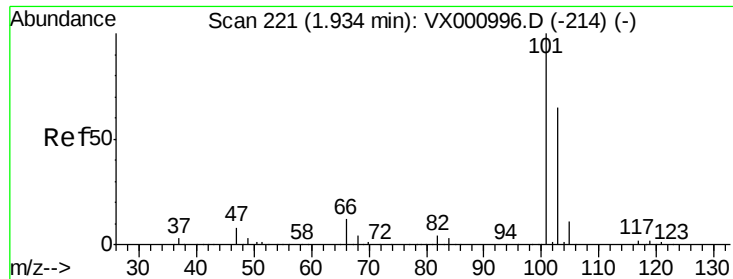
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



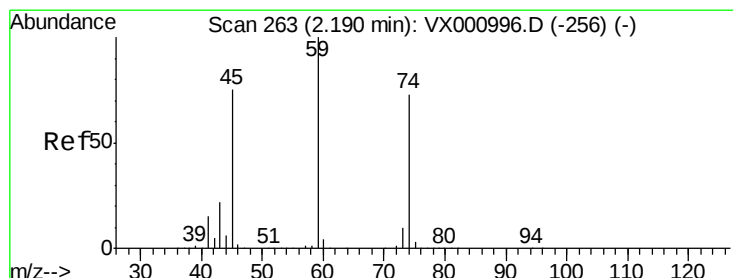
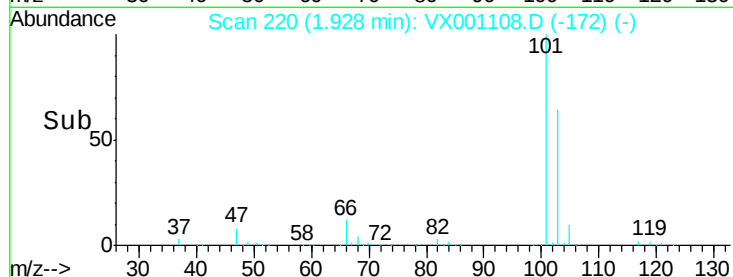
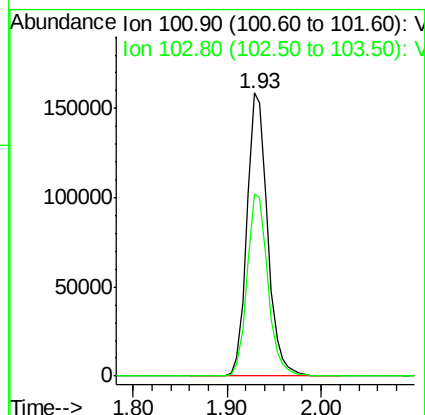
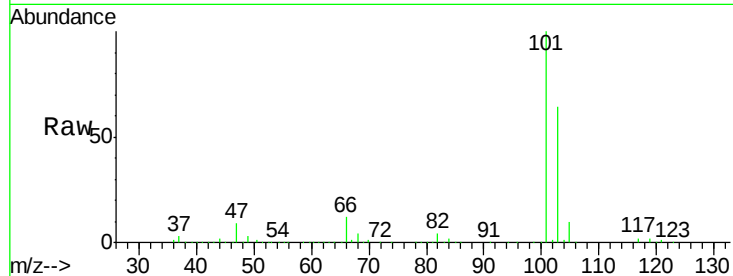


#7

Trichlorofluoromethane
 Concen: 53.44 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Instrument :
 MSVOA_X
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 LF001MW001-180418MSD

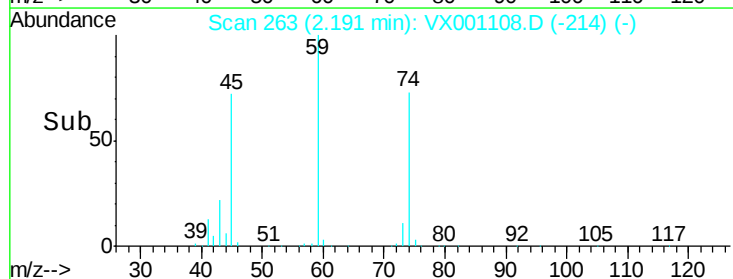
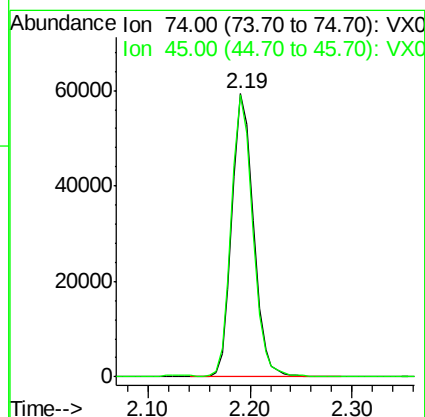
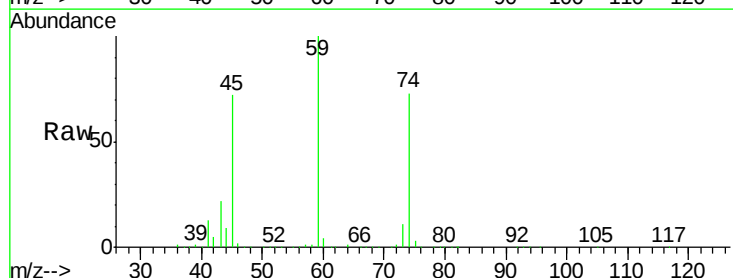
Tgt Ion:101 Resp: 240343
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.8

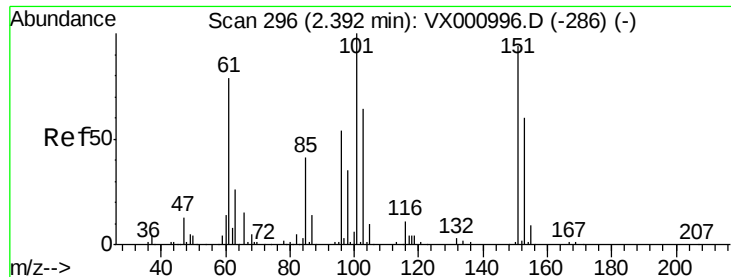


#8

Diethyl Ether
 Concen: 52.29 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 74 Resp: 86852
 Ion Ratio Lower Upper
 74 100
 45 99.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.96 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

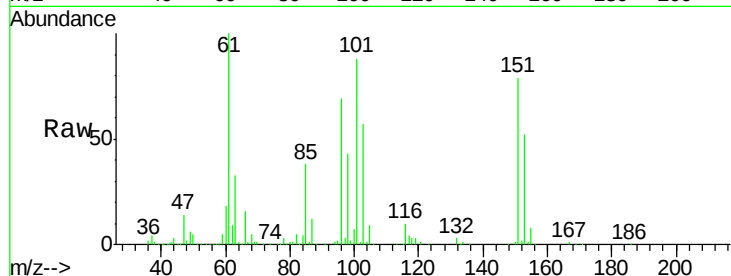
Tgt Ion:101 Resp: 134288

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

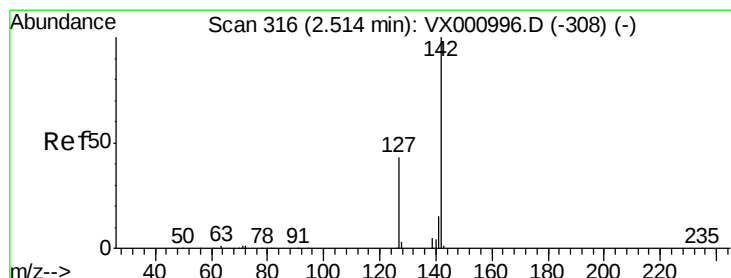
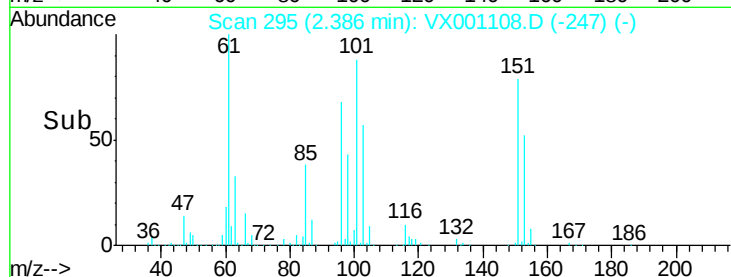
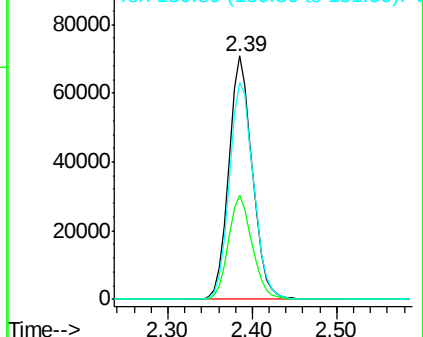
151 91.7 73.5 110.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.82 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

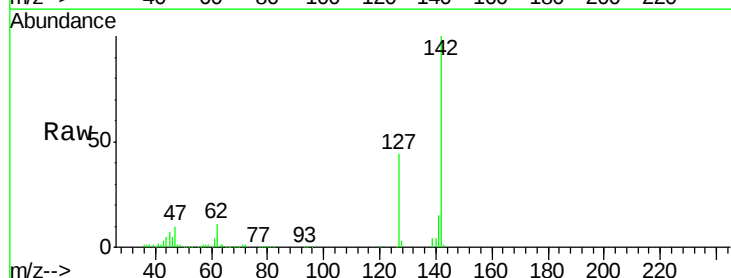
Tgt Ion:142 Resp: 104928

Ion Ratio Lower Upper

142 100

127 43.0 34.0 51.0

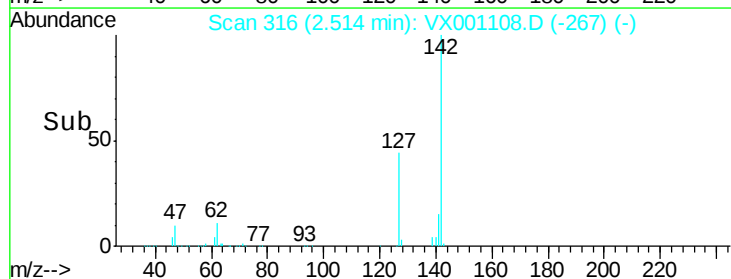
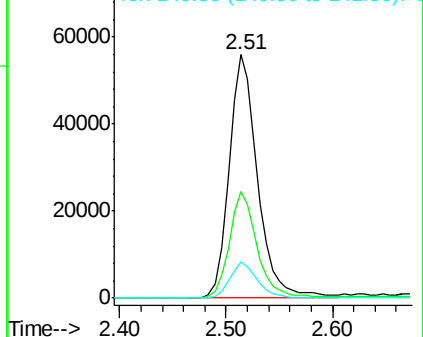
141 14.4 11.4 17.2

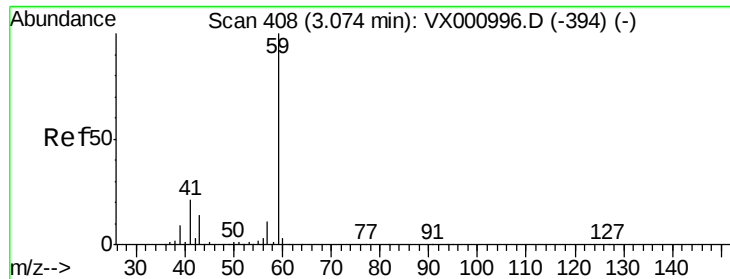


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

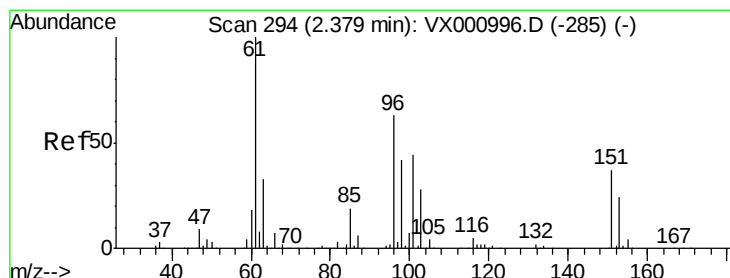
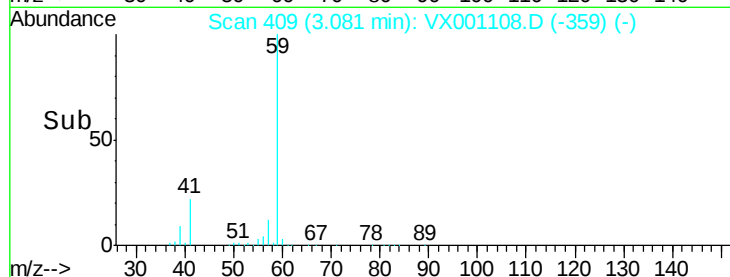
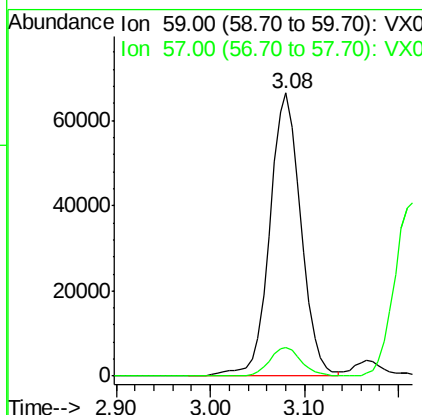
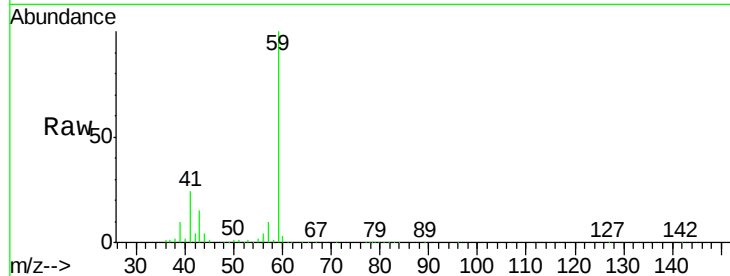




#11
Tert butyl alcohol
Concen: 321.26 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

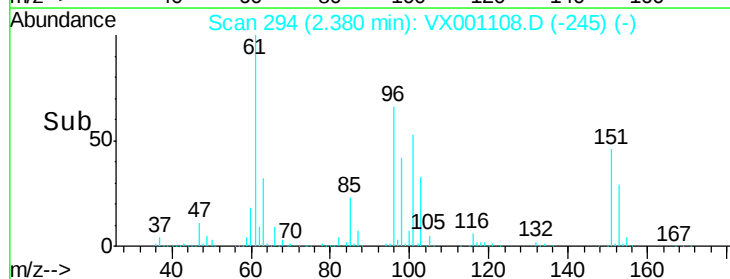
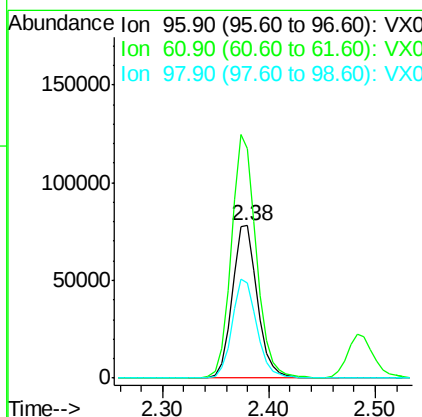
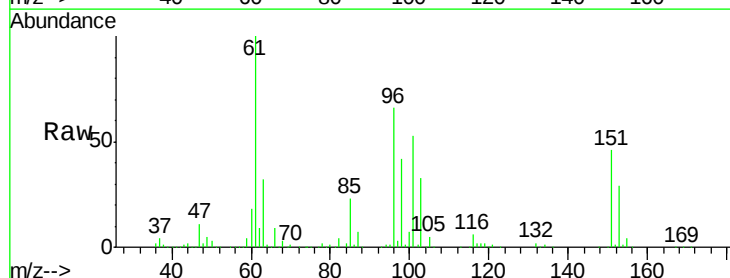
Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

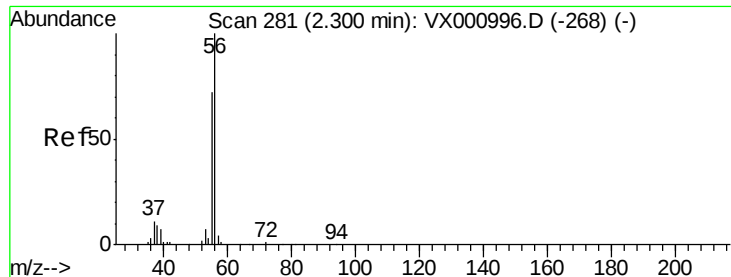
Tgt Ion: 59 Resp: 153597
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5



#12
1,1-Dichloroethene
Concen: 52.82 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion: 96 Resp: 128704
Ion Ratio Lower Upper
96 100
61 150.6 126.4 189.6
98 62.8 52.6 78.8





#13

Acrolein

Concen: 456.75 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

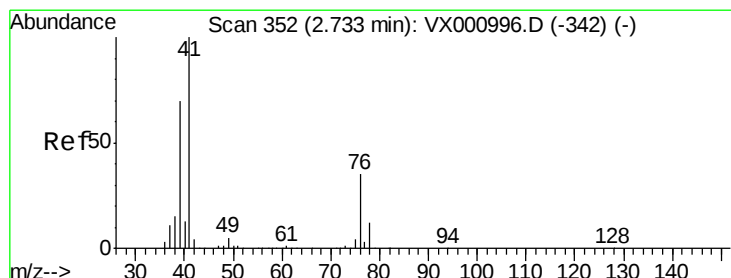
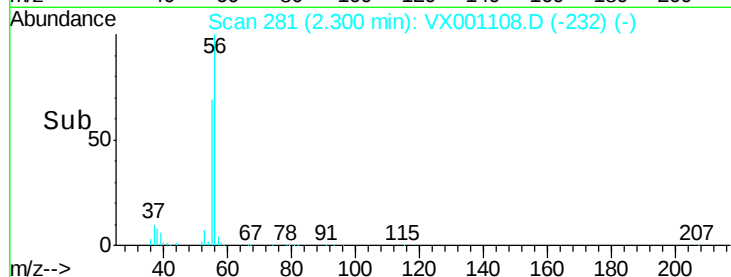
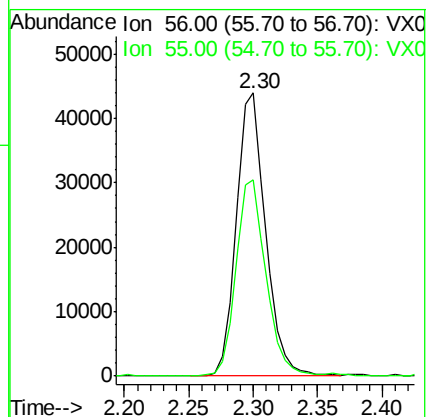
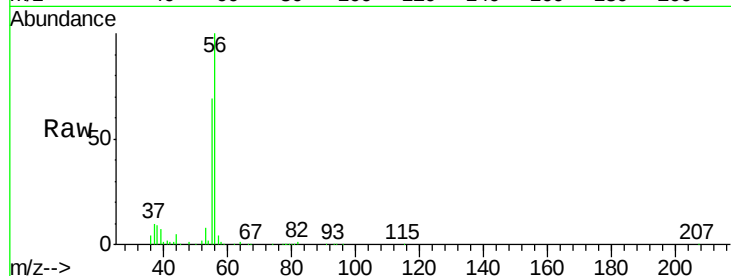
LF001MW001-180418MSD

Tgt Ion: 56 Resp: 69443

Ion Ratio Lower Upper

56 100

55 70.9 57.4 86.2



#14

Allyl chloride

Concen: 46.36 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

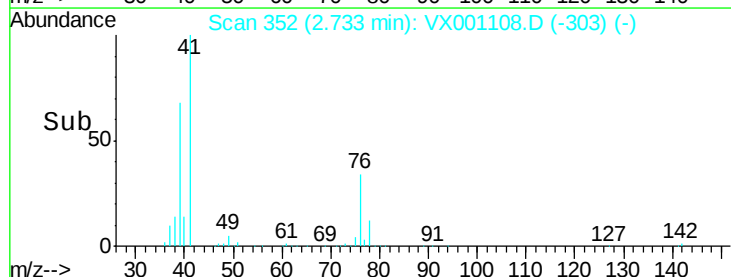
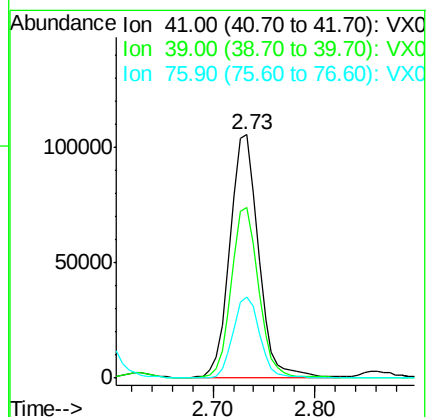
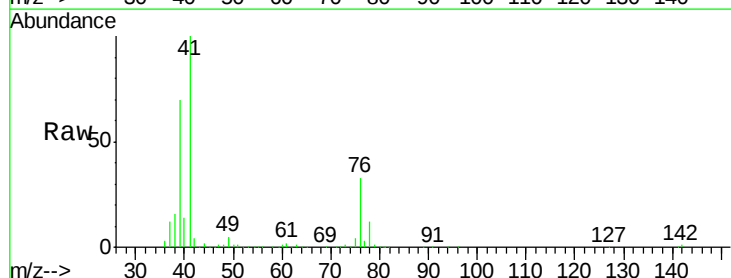
Tgt Ion: 41 Resp: 204452

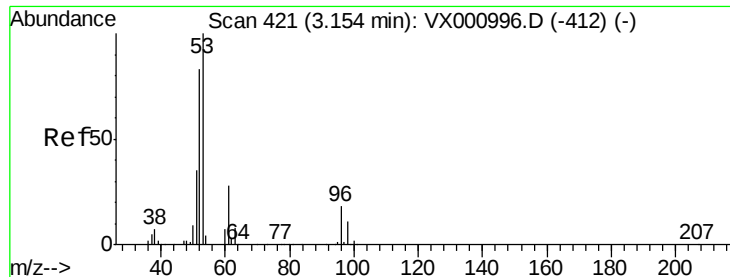
Ion Ratio Lower Upper

41 100

39 66.4 53.0 79.6

76 31.0 25.9 38.9





#15

Acrylonitrile

Concen: 280.65 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

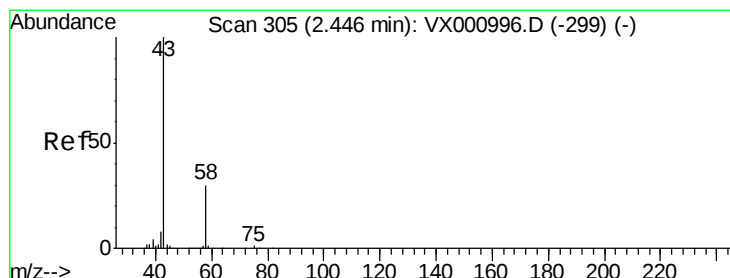
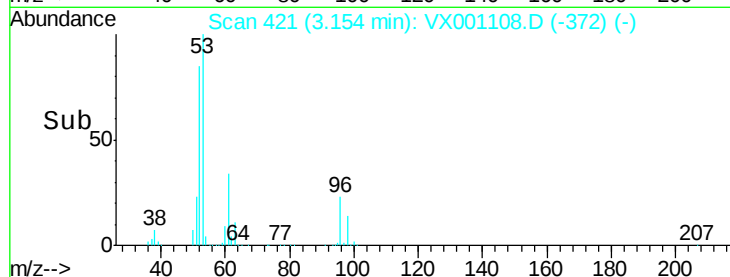
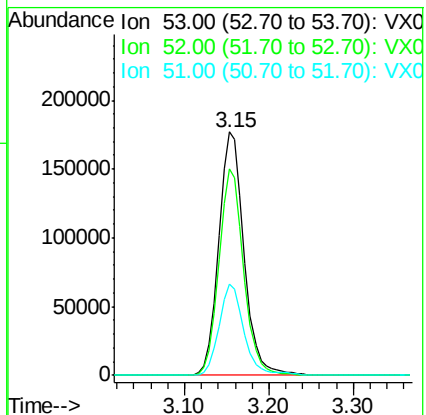
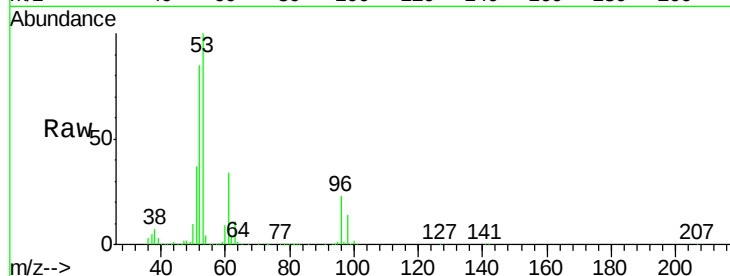
Tgt Ion: 53 Resp: 363152

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

51 36.9 29.0 43.6



#16

Acetone

Concen: 499.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001108.D

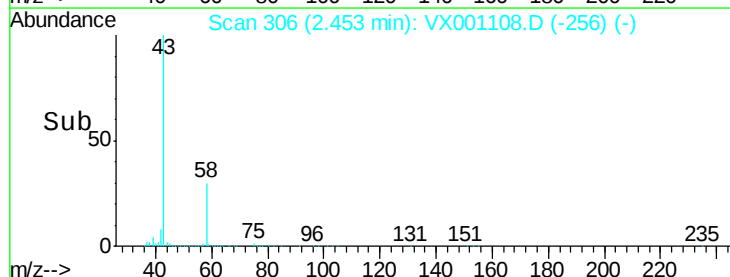
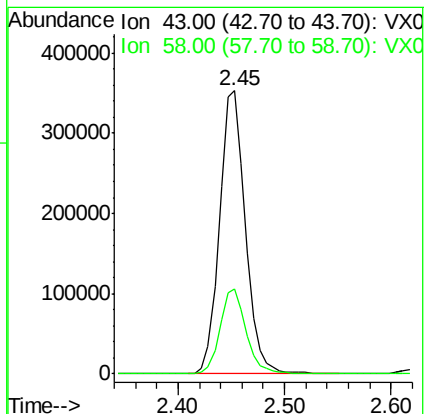
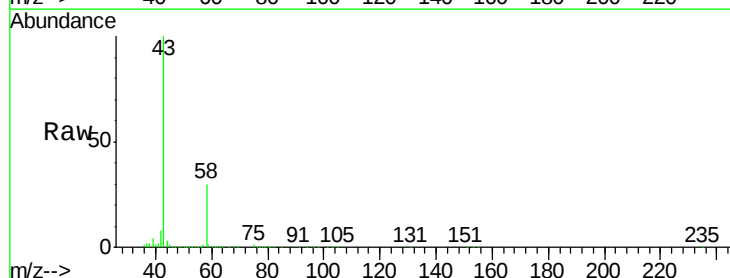
Acq: 25 Apr 2018 05:32

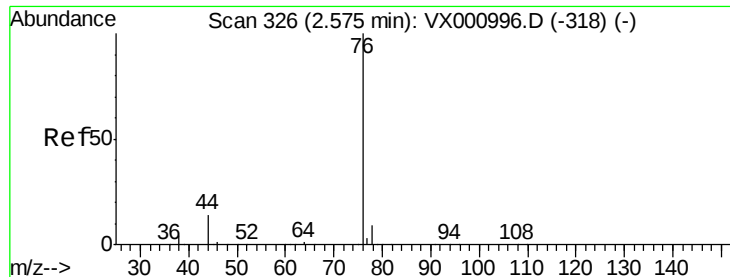
Tgt Ion: 43 Resp: 595981

Ion Ratio Lower Upper

43 100

58 30.0 23.7 35.5





#17

Carbon Disulfide

Concen: 46.82 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

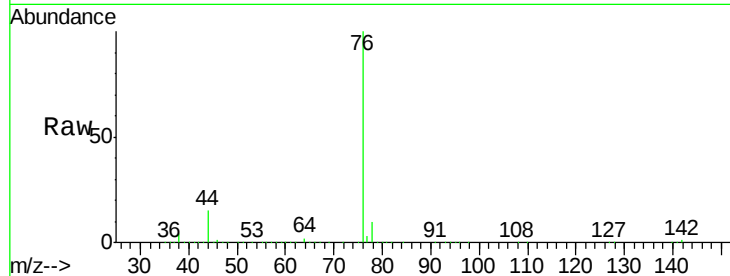
LF001MW001-180418MSD

Tgt Ion: 76 Resp: 325174

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

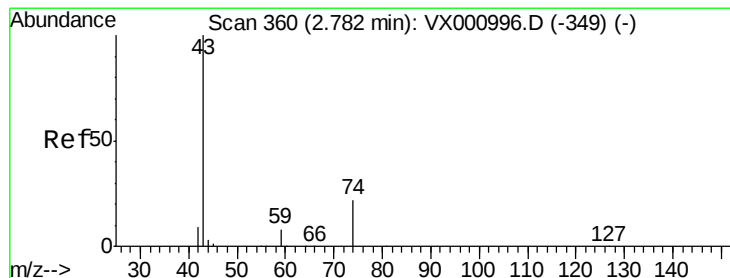
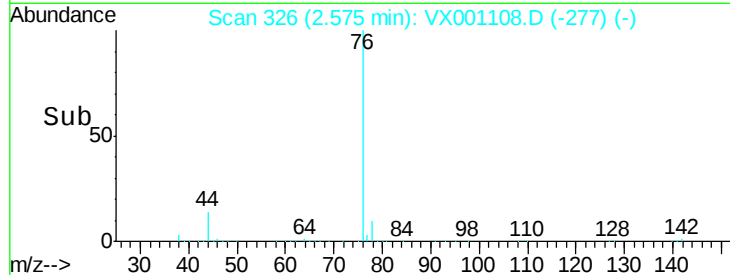
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 64.41 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001108.D

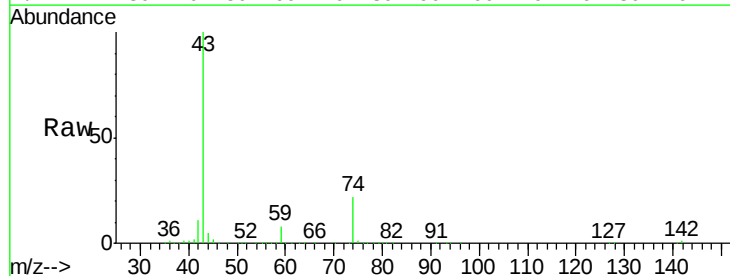
Acq: 25 Apr 2018 05:32

Tgt Ion: 43 Resp: 232671

Ion Ratio Lower Upper

43 100

74 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

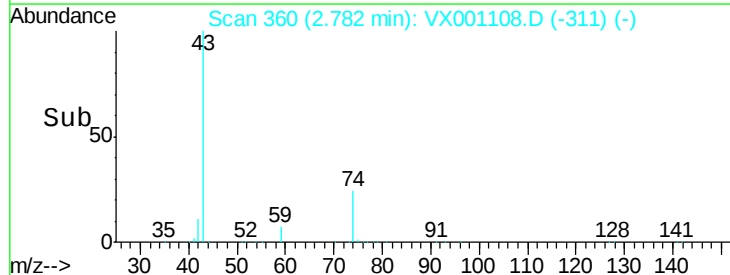
150000

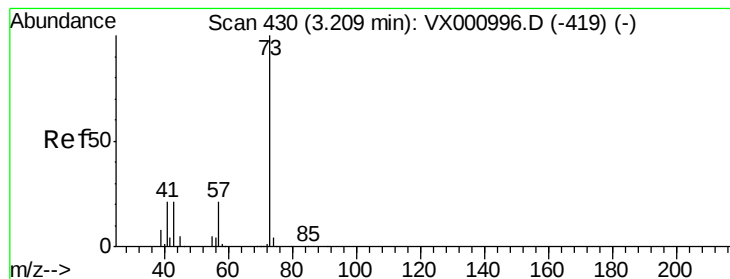
100000

50000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 53.59 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

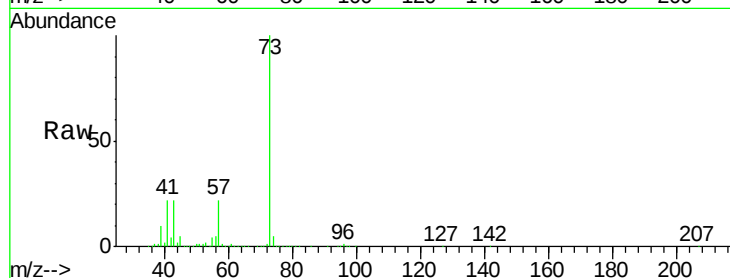
LF001MW001-180418MSD

Tgt Ion: 73 Resp: 439026

Ion Ratio Lower Upper

73 100

57 22.2 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

200000

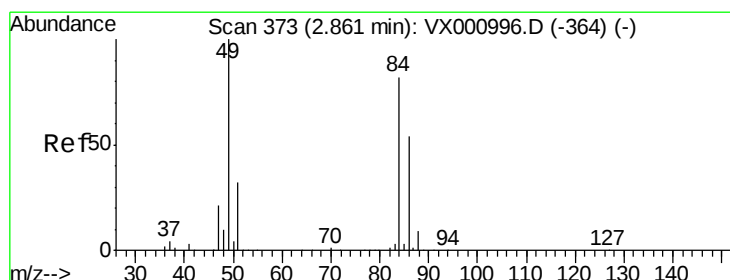
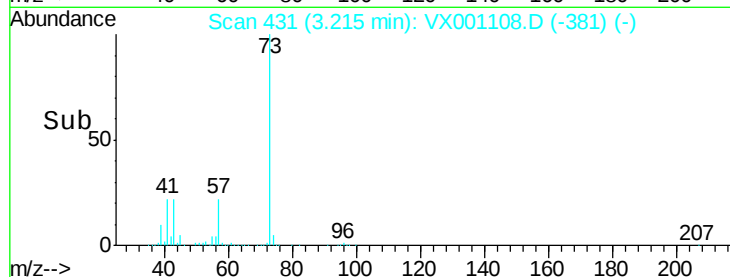
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 57.41 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Tgt Ion: 84 Resp: 143882

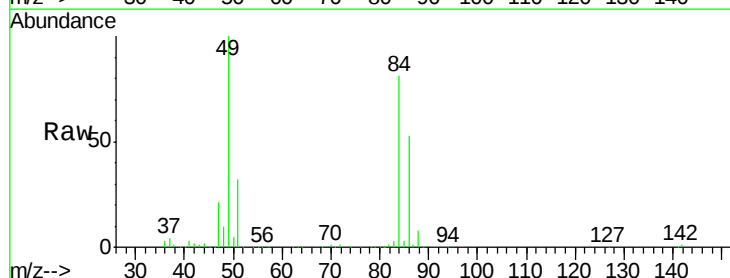
Ion Ratio Lower Upper

84 100

49 122.9 97.1 145.7

51 38.7 30.8 46.2

86 65.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

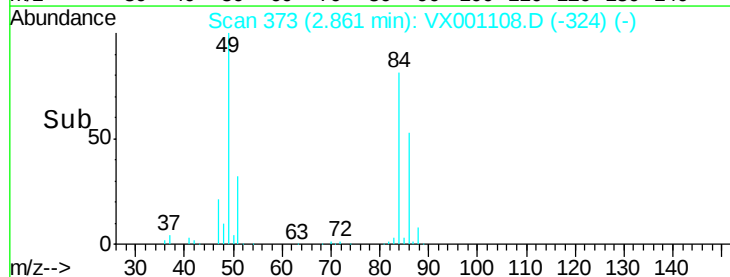
Ion 85.90 (85.60 to 86.60): VX0

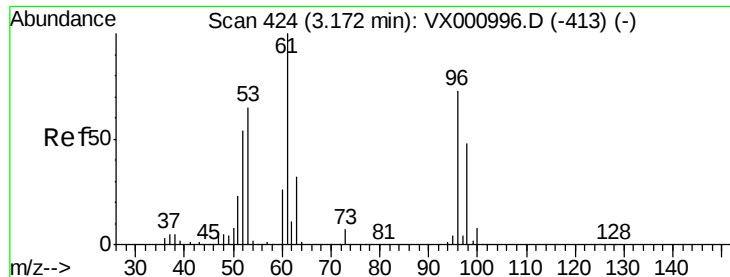
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 54.02 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

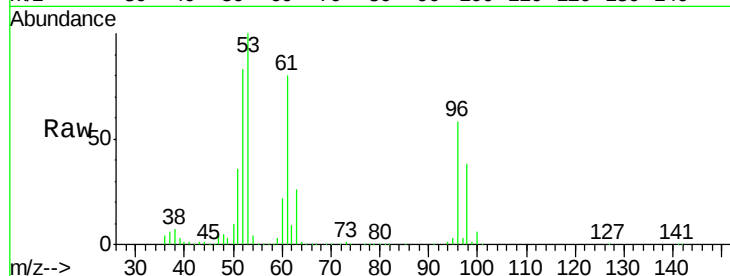
Tgt Ion: 96 Resp: 146544

Ion Ratio Lower Upper

96 100

61 138.2 109.4 164.2

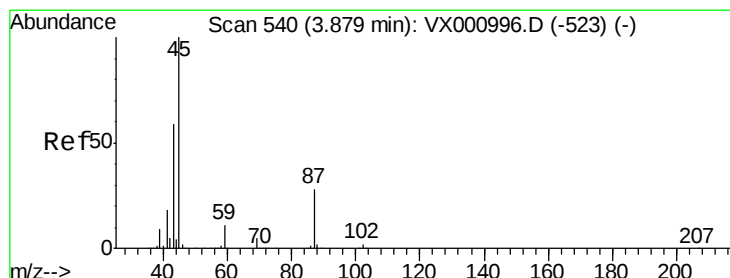
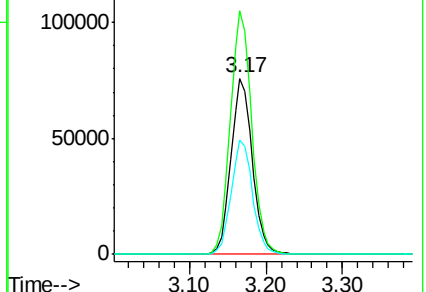
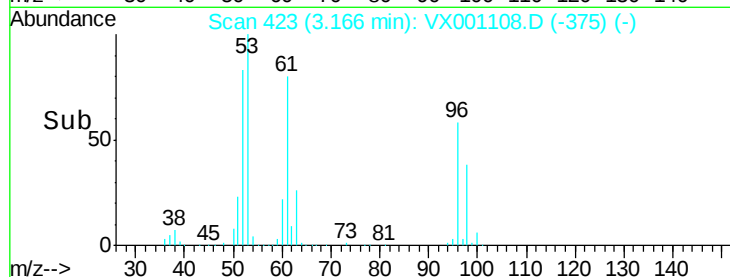
98 64.9 52.6 78.8



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: 53.66 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Tgt Ion: 45 Resp: 458028

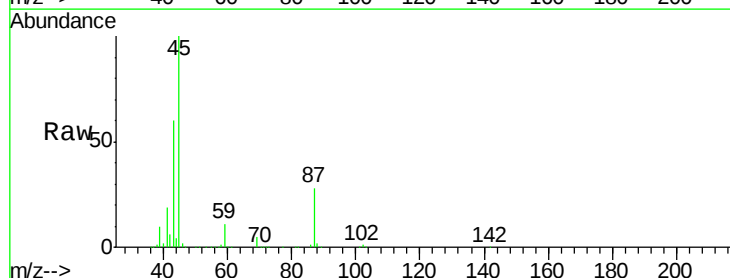
Ion Ratio Lower Upper

45 100

43 59.4 47.0 70.4

87 27.9 22.5 33.7

59 11.4 8.8 13.2

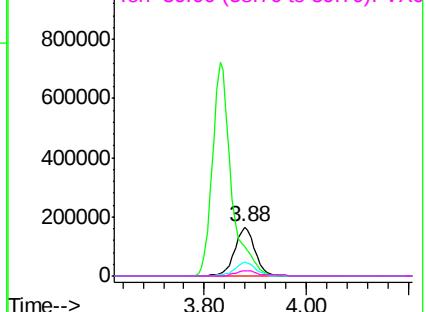
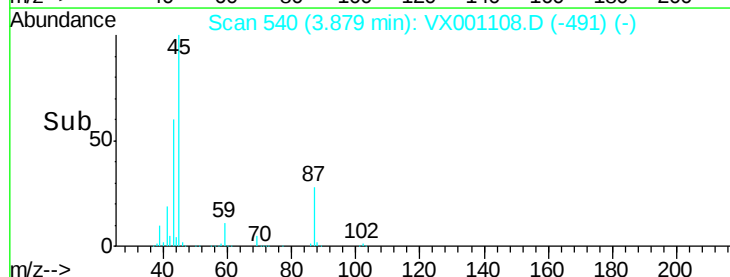


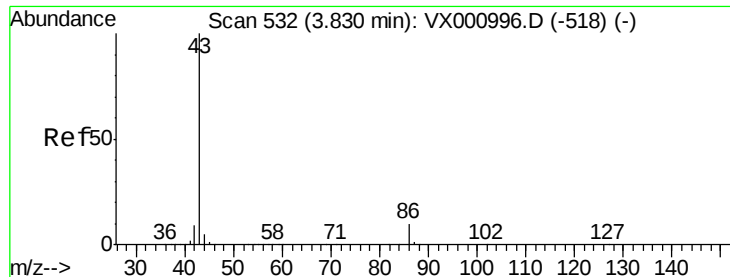
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 263.60 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

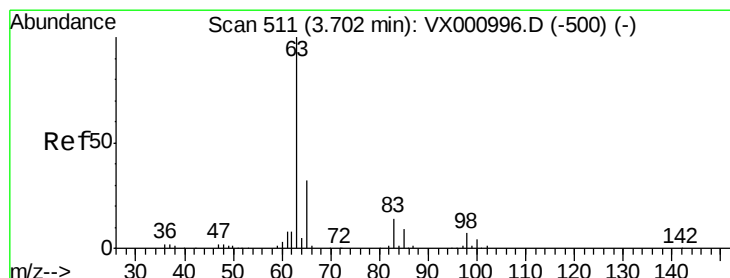
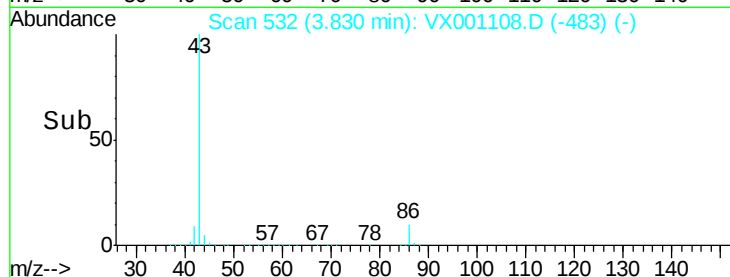
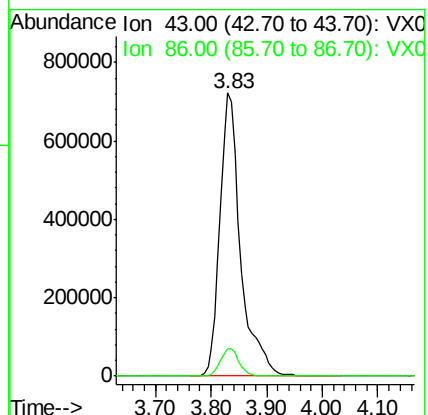
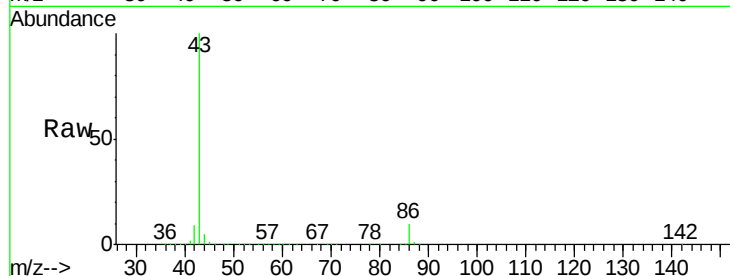
LF001MW001-180418MSD

Tgt Ion: 43 Resp: 1862958

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1



#24

1,1-Dichloroethane

Concen: 50.47 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

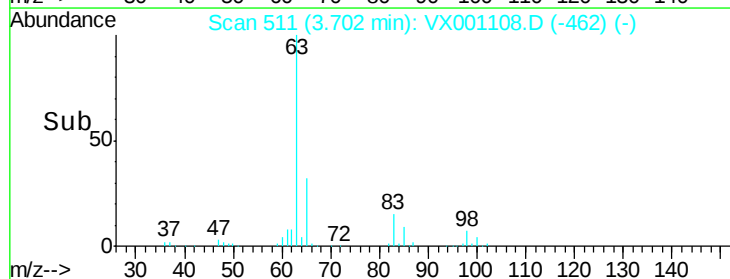
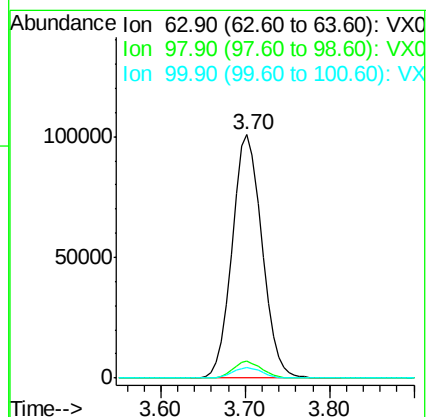
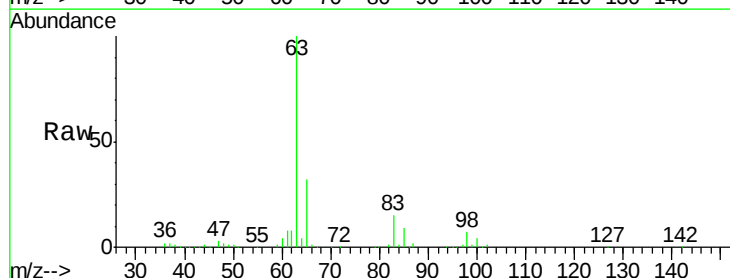
Tgt Ion: 63 Resp: 241666

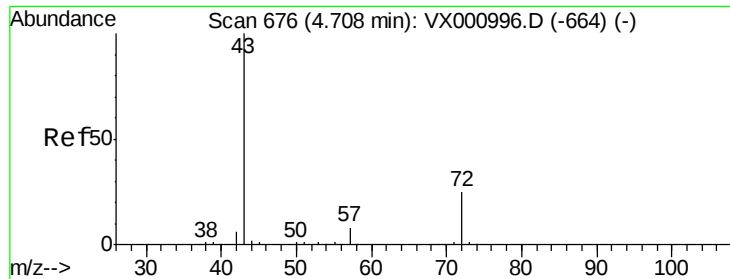
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 405.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

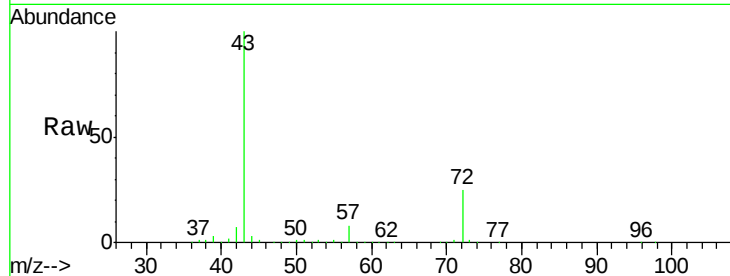
LF001MW001-180418MSD

Tgt Ion: 43 Resp: 755249

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

250000

200000

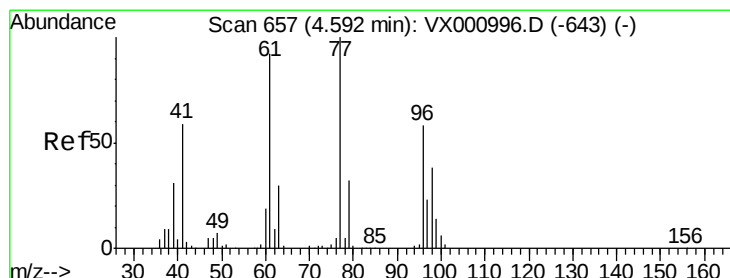
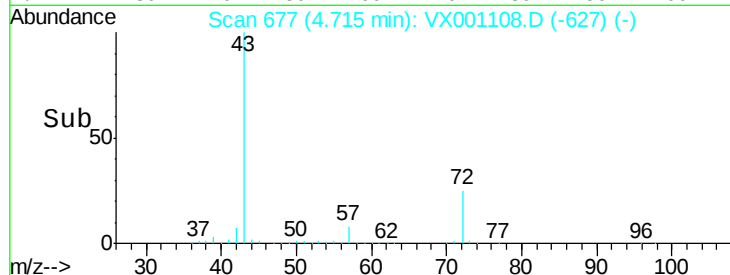
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.63 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001108.D

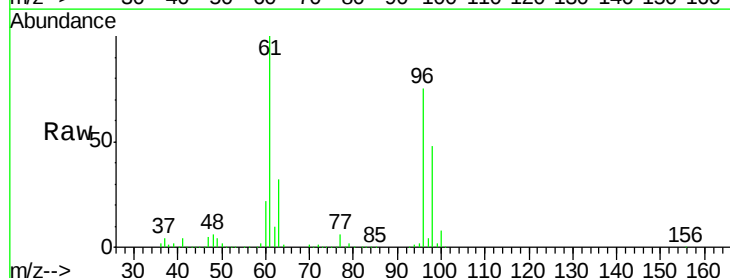
Acq: 25 Apr 2018 05:32

Tgt Ion: 77 Resp: 80855

Ion Ratio Lower Upper

77 100

97 80.1 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

25000

20000

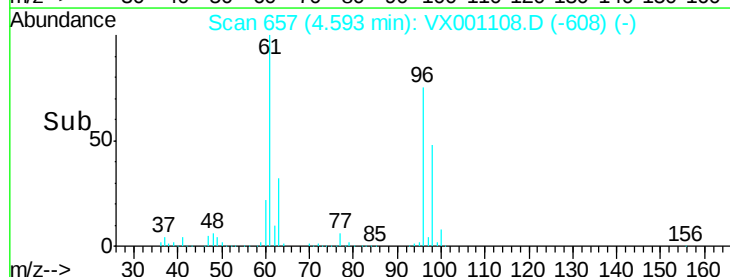
15000

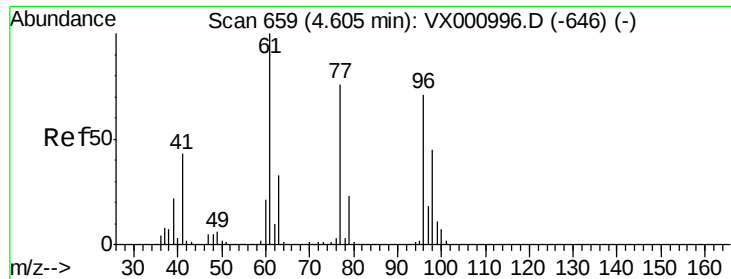
10000

5000

0

Time-->



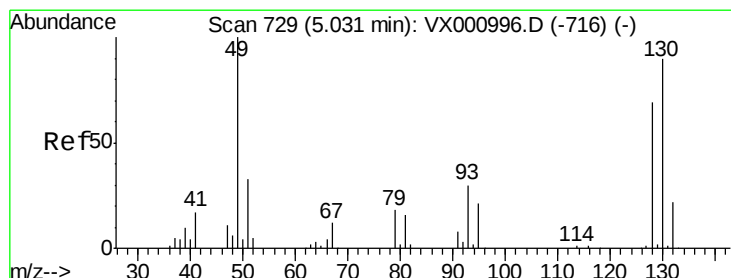
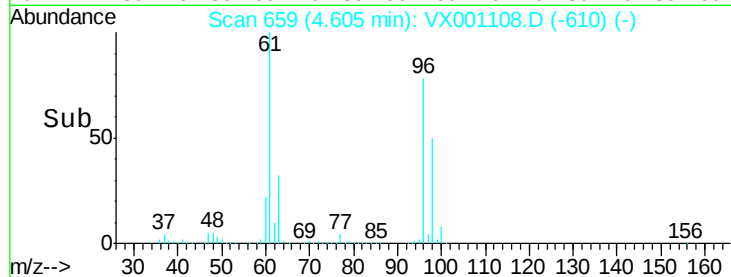
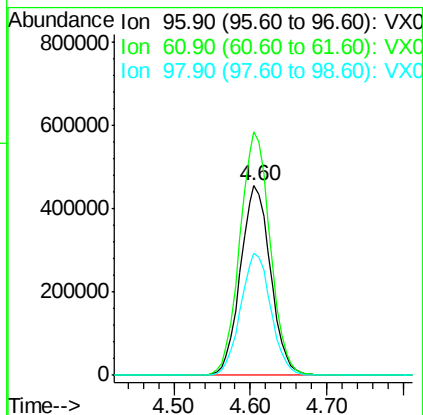
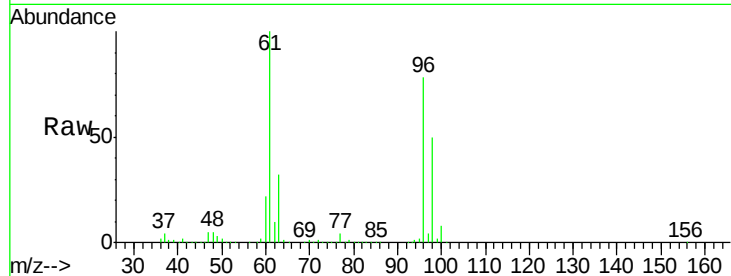


#27

cis-1,2-Dichloroethene
 Concen: 412.58 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

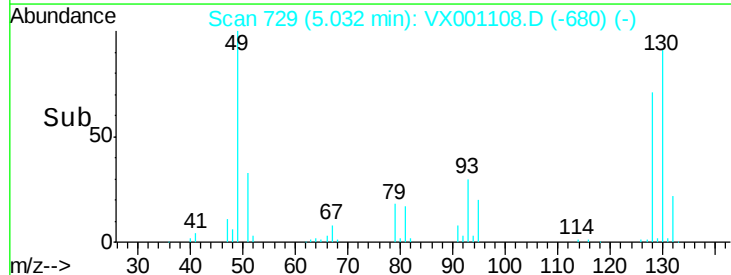
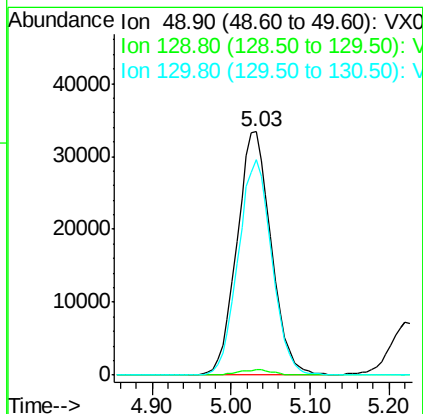
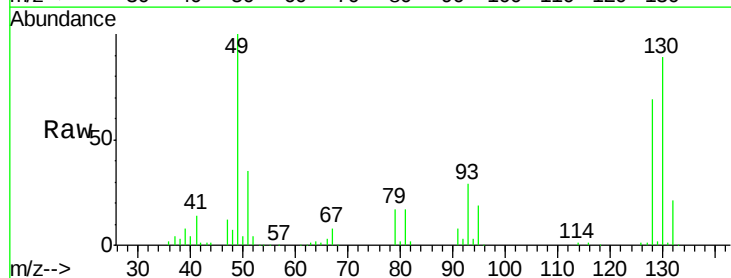
Tgt Ion: 96 Resp: 1246659
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 297.0
 98 64.7 0.0 130.0

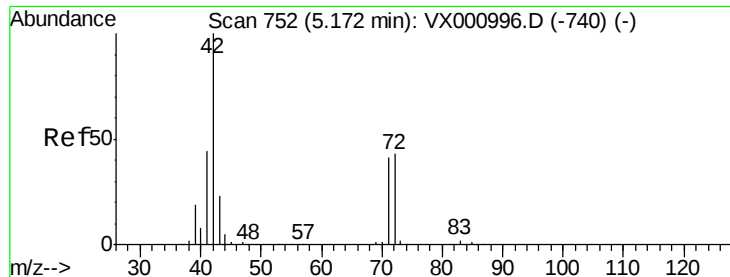


#28

Bromochloromethane
 Concen: 54.75 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 49 Resp: 100815
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 86.9 70.6 105.8





#29

Tetrahydrofuran

Concen: 286.89 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

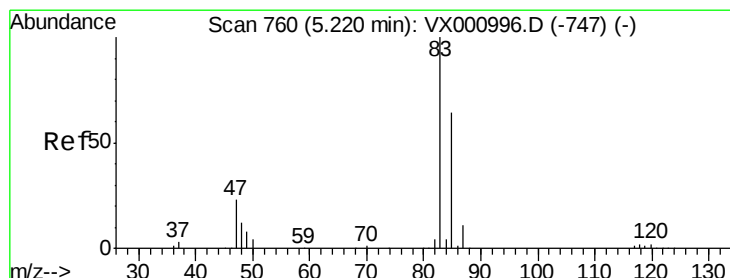
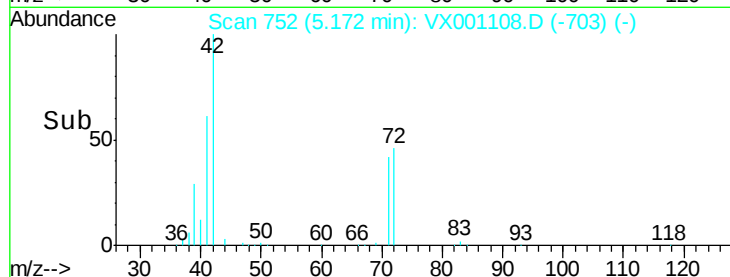
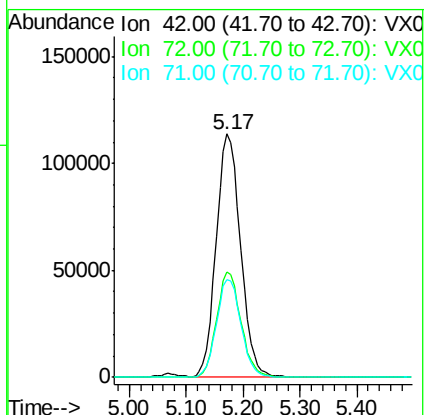
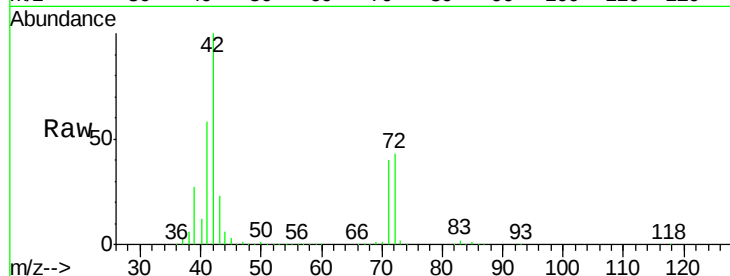
Tgt Ion: 42 Resp: 337848

Ion Ratio Lower Upper

42 100

72 43.2 34.6 52.0

71 40.6 32.6 49.0



#30

Chloroform

Concen: 53.24 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX001108.D

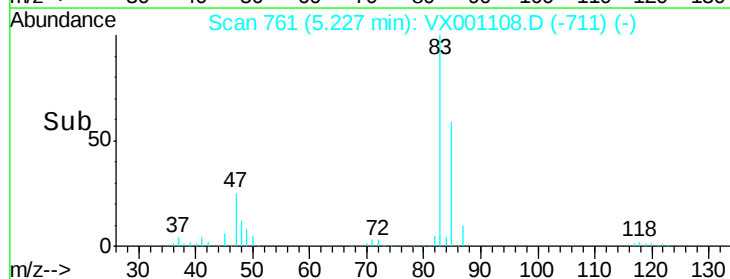
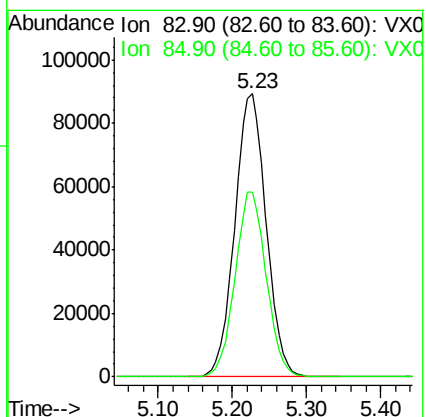
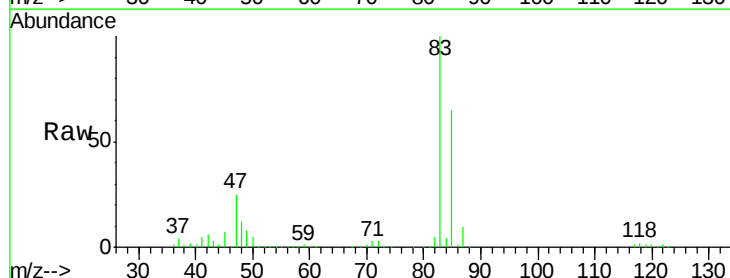
Acq: 25 Apr 2018 05:32

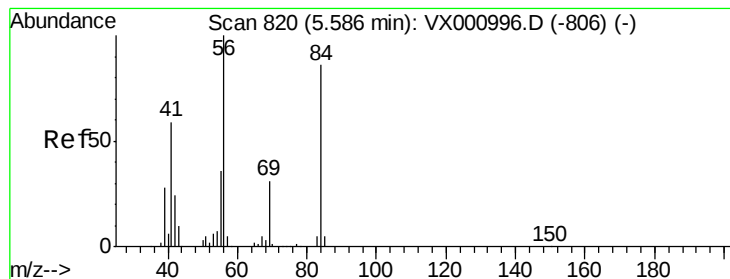
Tgt Ion: 83 Resp: 263996

Ion Ratio Lower Upper

83 100

85 65.5 51.3 76.9





#31

Cyclohexane

Concen: 50.01 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

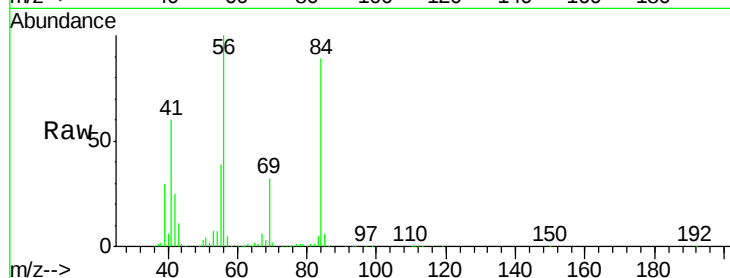
Tgt Ion: 56 Resp: 223518

Ion Ratio Lower Upper

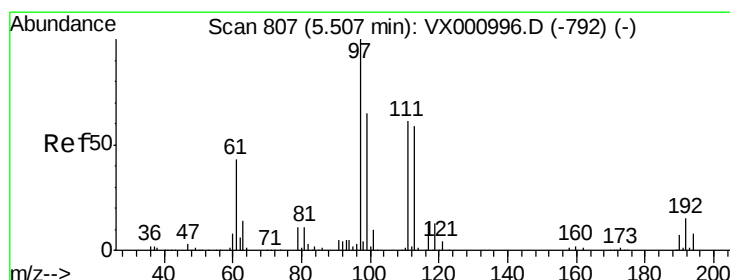
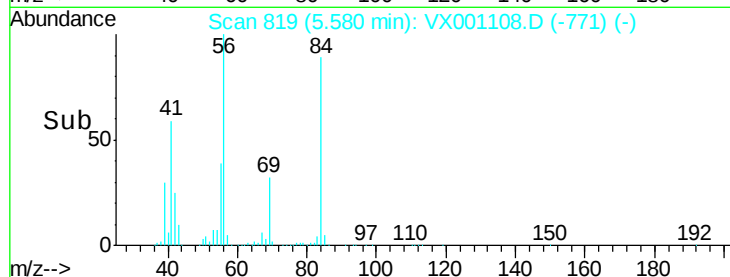
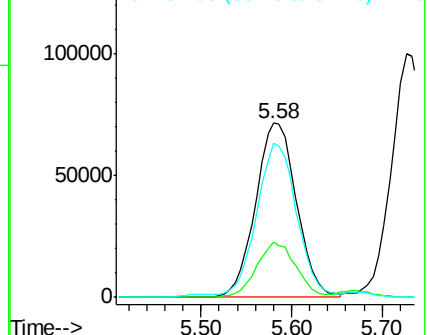
56 100

69 31.6 24.6 36.8

84 87.5 69.0 103.6



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: 52.46 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

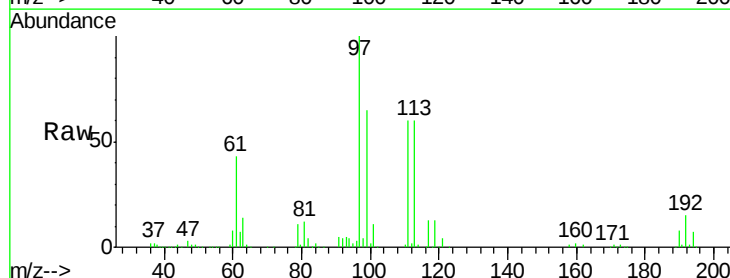
Tgt Ion: 97 Resp: 233236

Ion Ratio Lower Upper

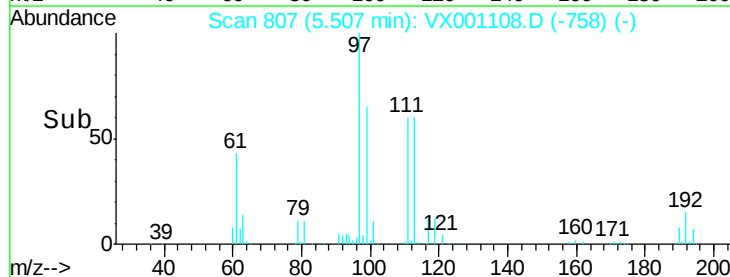
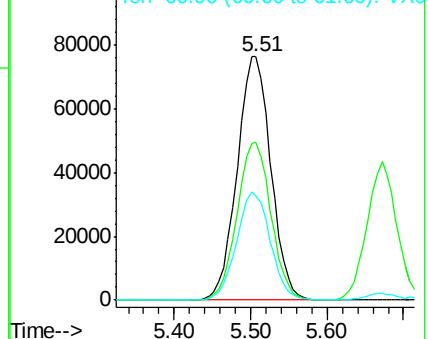
97 100

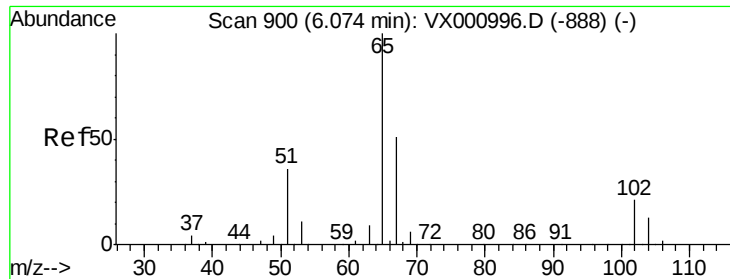
99 65.3 51.1 76.7

61 44.6 34.4 51.6



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

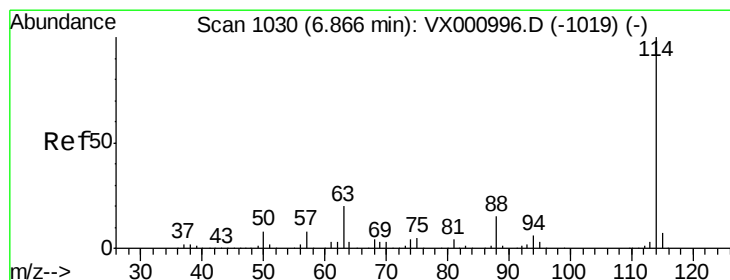
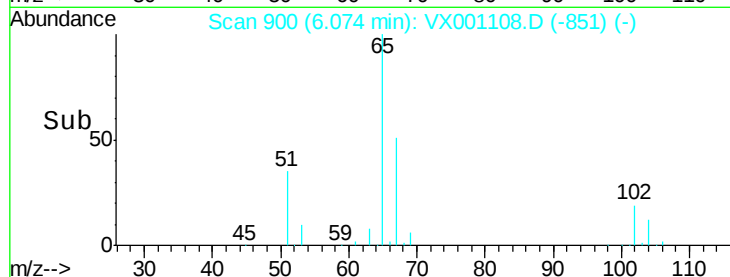
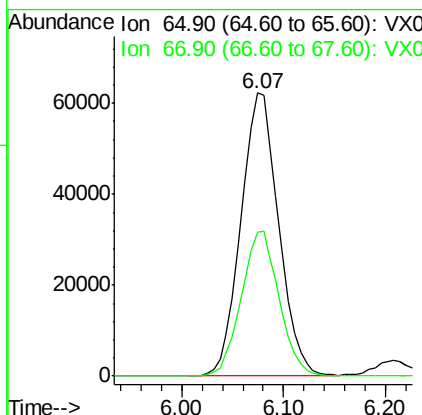
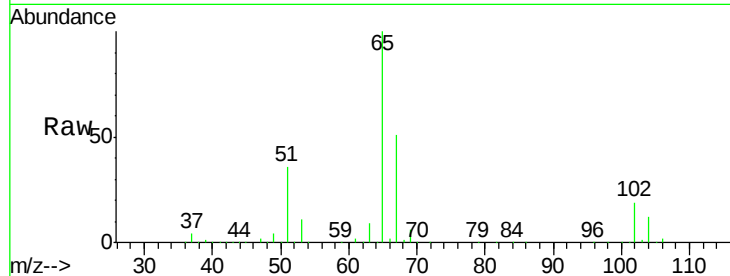




#33
 1,2-Dichloroethane-d4
 Concen: 50.60 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

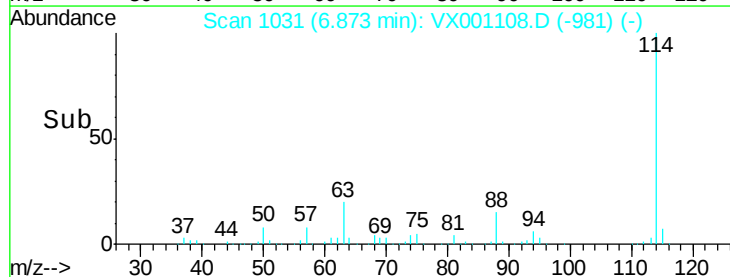
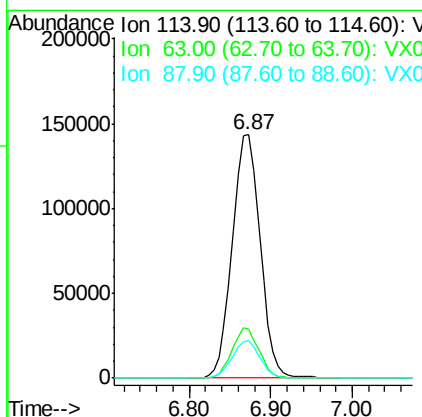
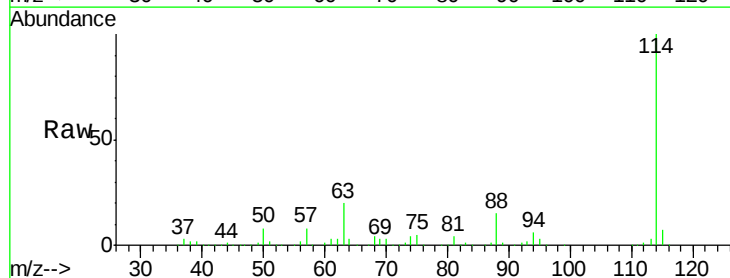
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

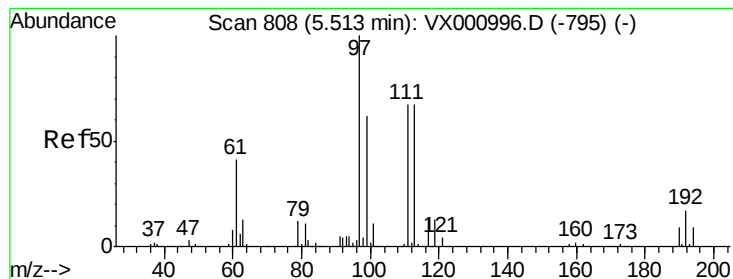
Tgt Ion: 65 Resp: 160419
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 114 Resp: 340208
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.95 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

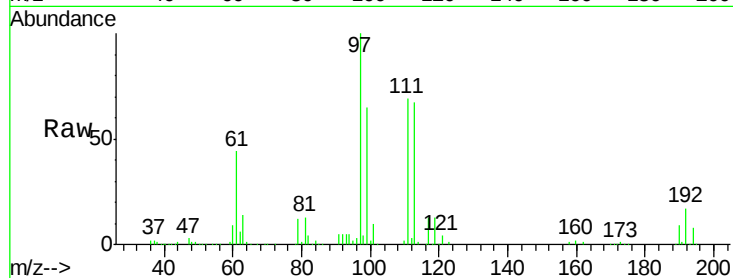
Tgt Ion:113 Resp: 132169

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

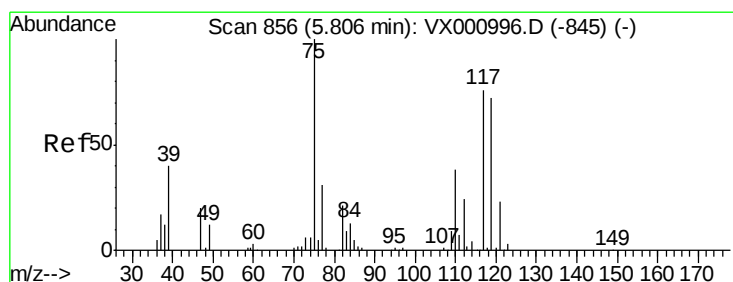
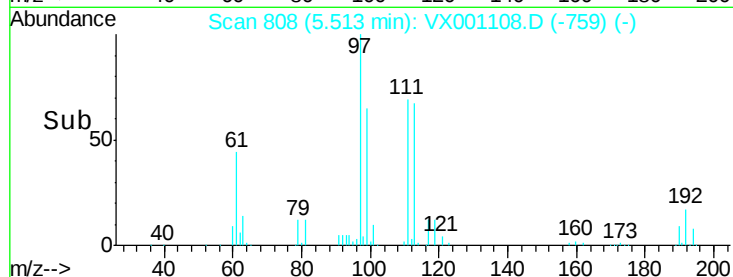
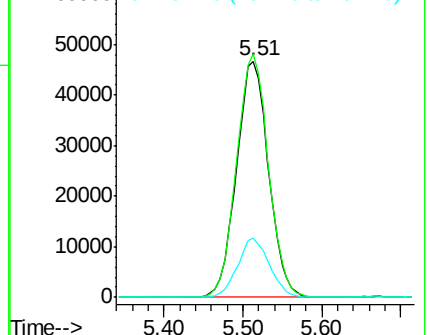
192 24.9 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.34 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

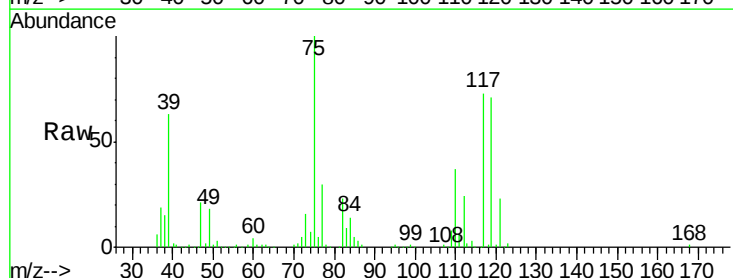
Tgt Ion: 75 Resp: 193276

Ion Ratio Lower Upper

75 100

110 37.2 18.7 56.1

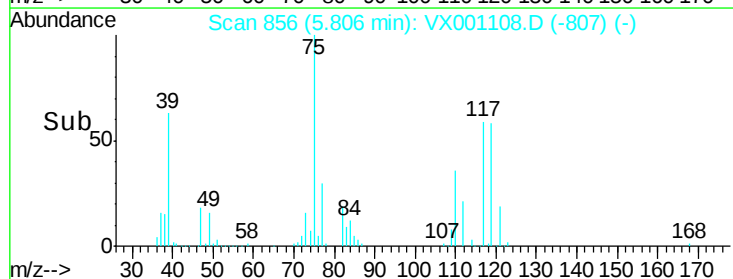
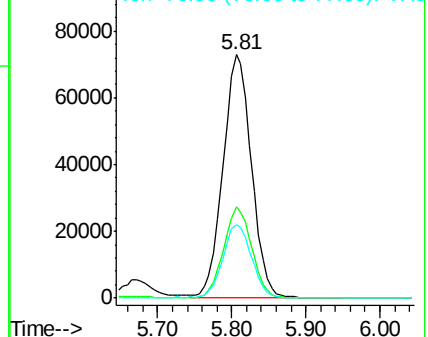
77 30.9 25.0 37.4

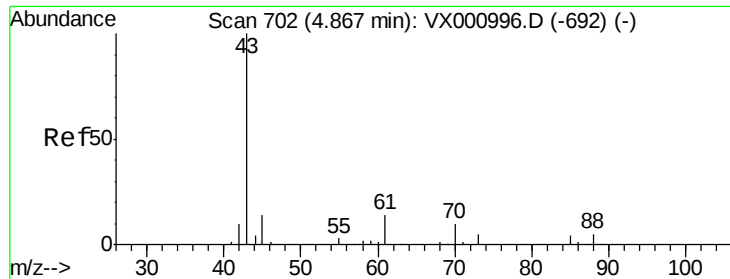


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 55.20 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

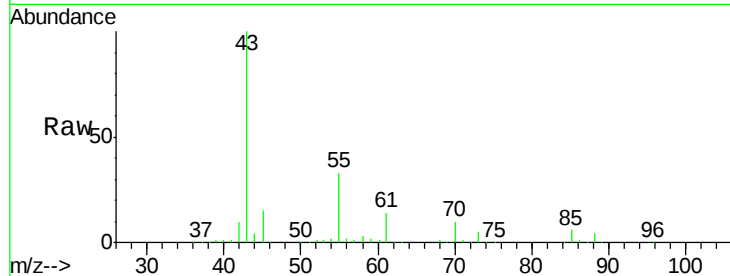
Tgt Ion: 43 Resp: 202434

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

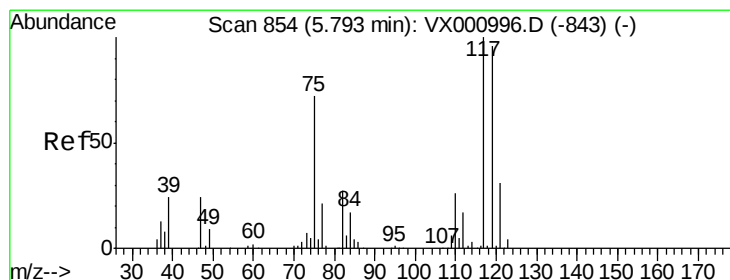
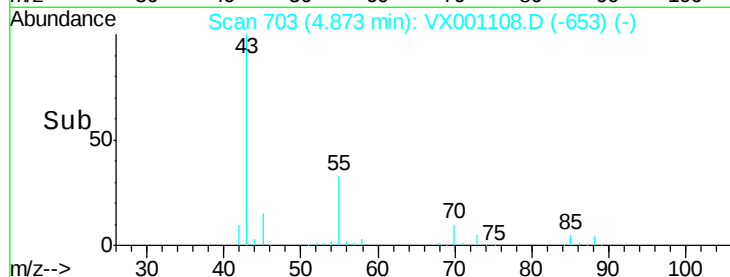
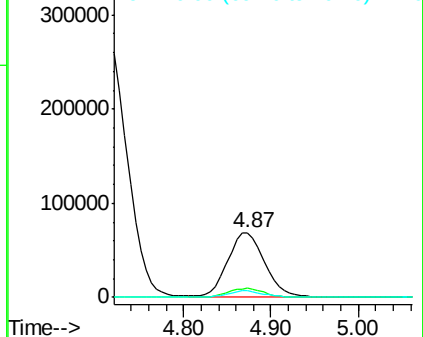
70 9.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 51.31 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

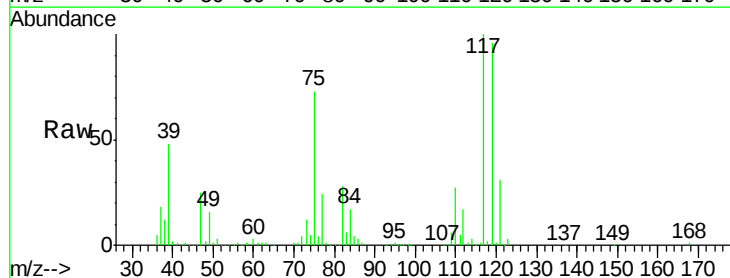
Tgt Ion: 117 Resp: 207705

Ion Ratio Lower Upper

117 100

119 95.8 76.5 114.7

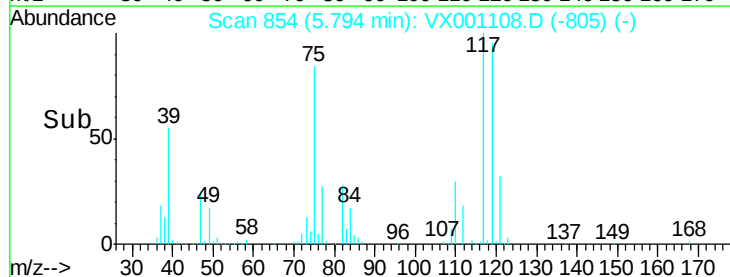
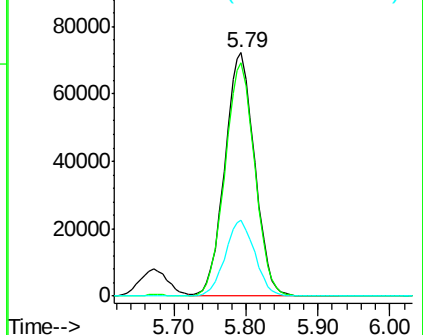
121 31.3 24.5 36.7

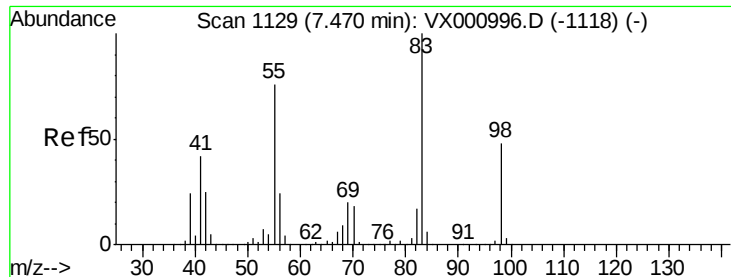


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

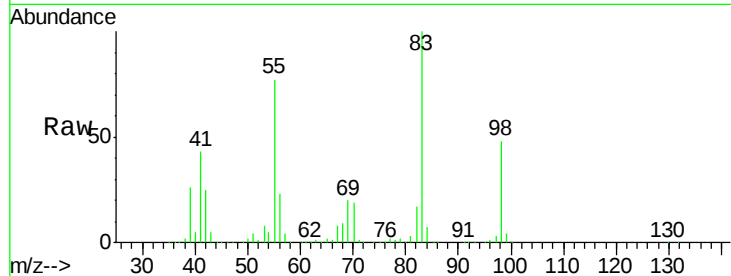




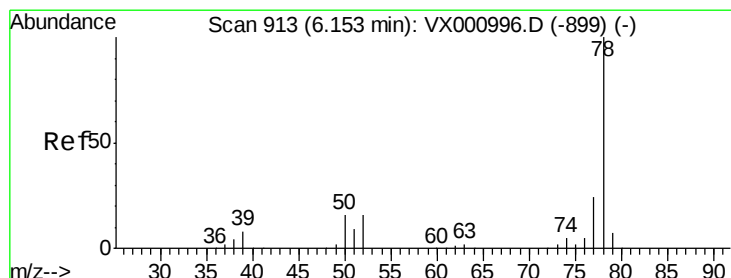
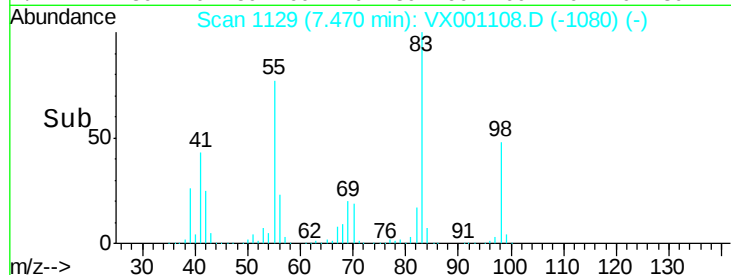
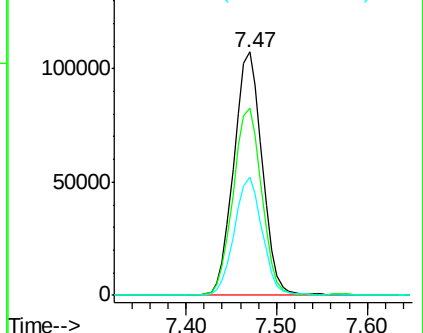
#39
Methylcyclohexane
Concen: 50.19 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

Tgt Ion: 83 Resp: 233536
Ion Ratio Lower Upper
83 100
55 76.8 60.6 91.0
98 48.4 38.2 57.4

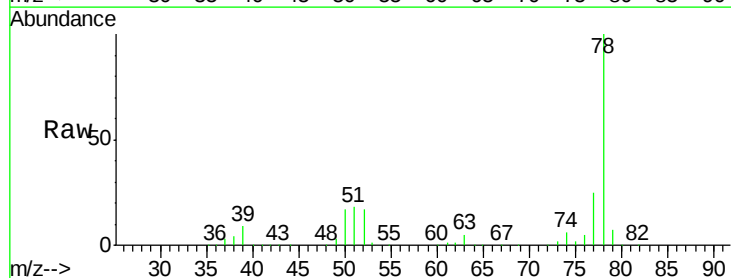


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

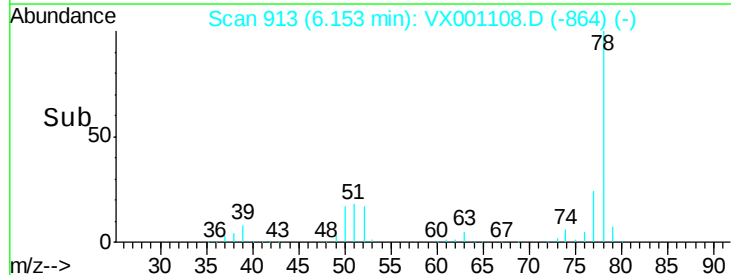
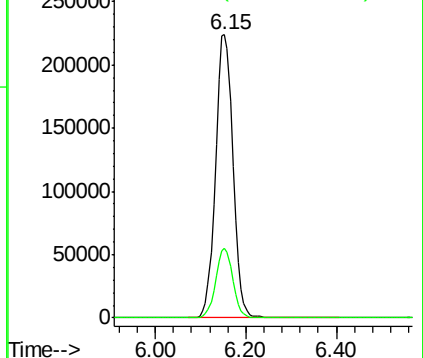


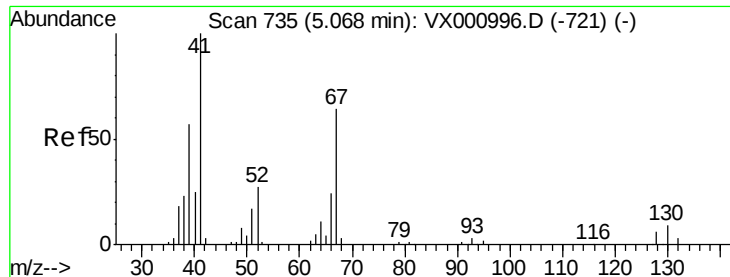
#40
Benzene
Concen: 53.87 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion: 78 Resp: 598790
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

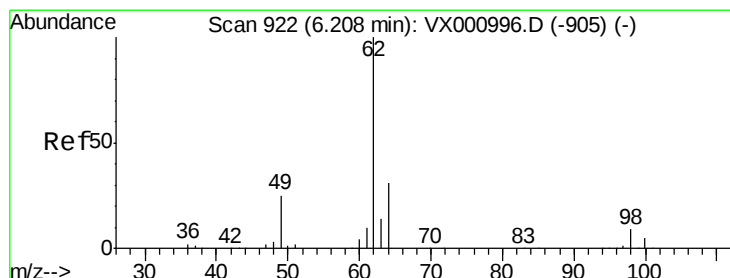
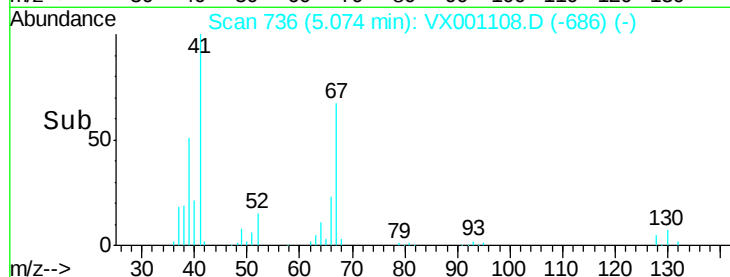
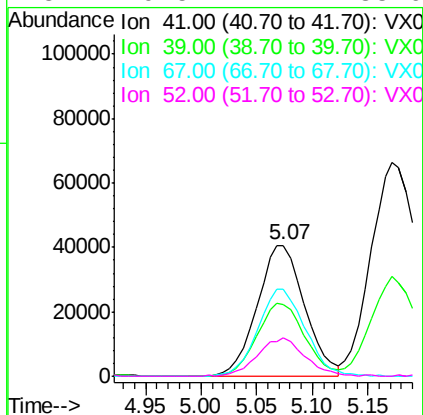
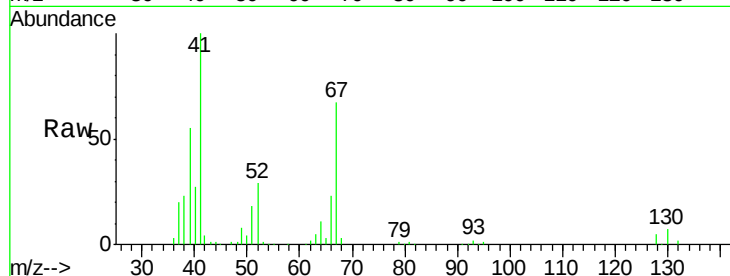




#41
Methacrylonitrile
Concen: 52.45 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

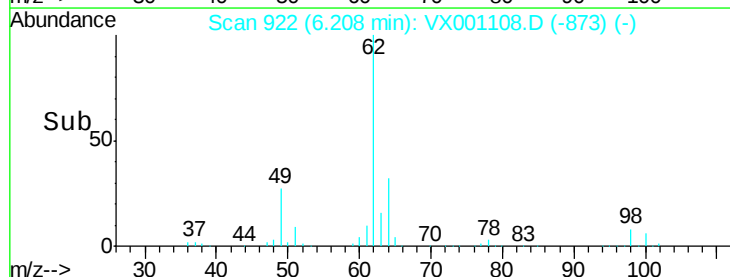
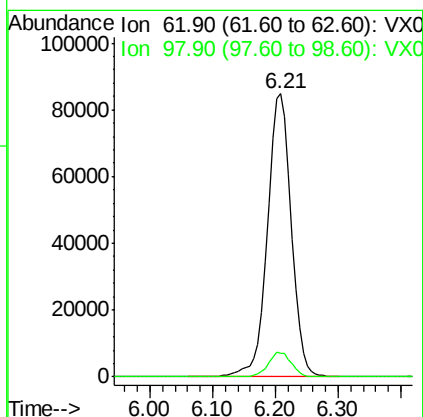
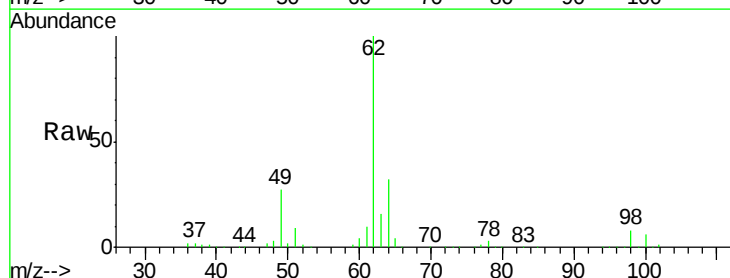
Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

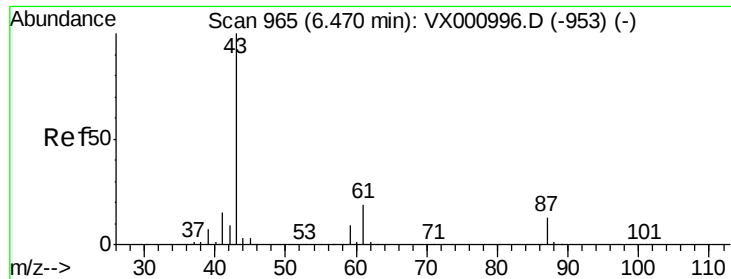
Tgt Ion:	41	Resp:	120114
Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.2	67.8
67	67.0	53.8	80.8
52	29.5	22.4	33.6



#42
1,2-Dichloroethane
Concen: 52.34 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion:	62	Resp:	223298
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 54.38 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

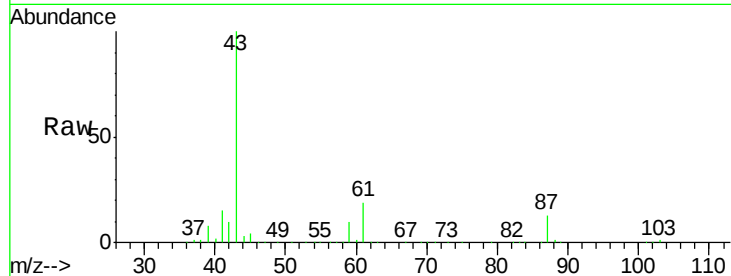
Tgt Ion: 43 Resp: 342134

Ion Ratio Lower Upper

43 100

61 18.9 15.4 23.2

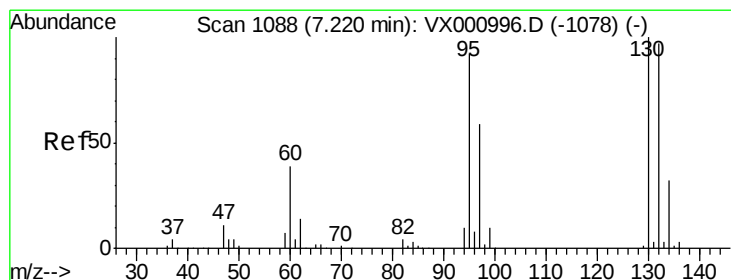
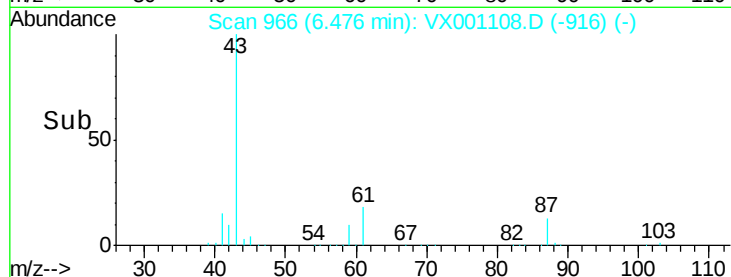
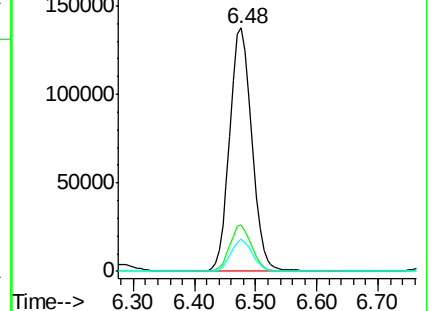
87 12.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.22 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001108.D

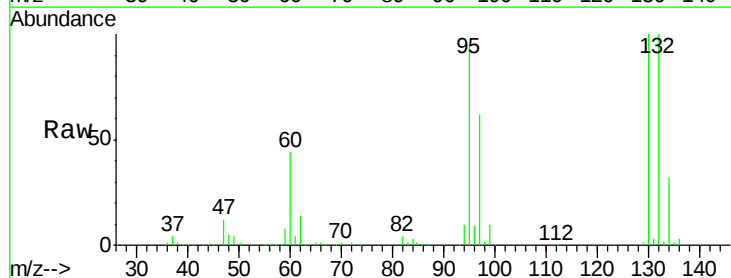
Acq: 25 Apr 2018 05:32

Tgt Ion: 130 Resp: 167148

Ion Ratio Lower Upper

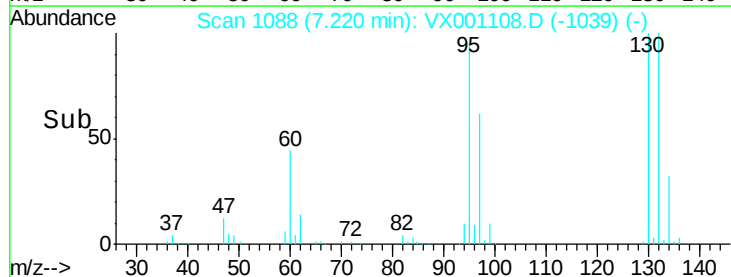
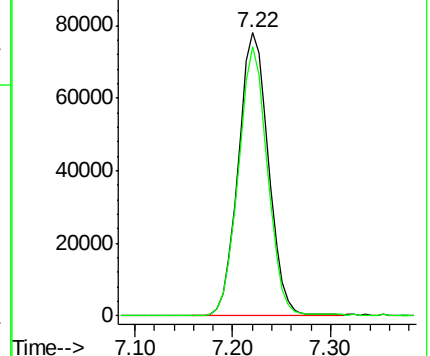
130 100

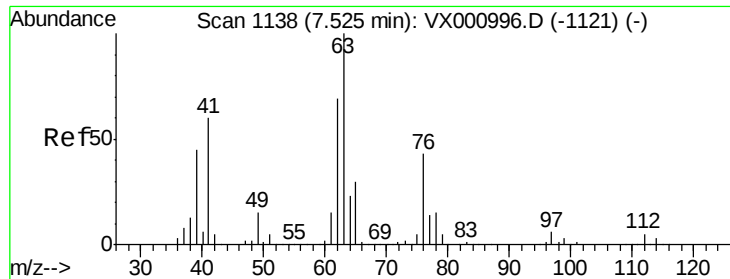
95 95.4 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

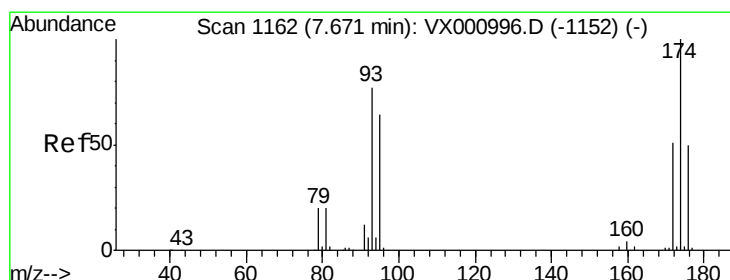
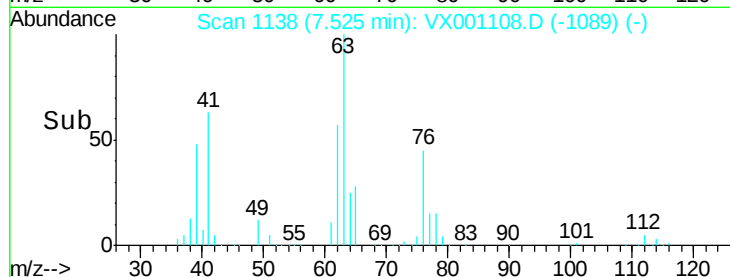
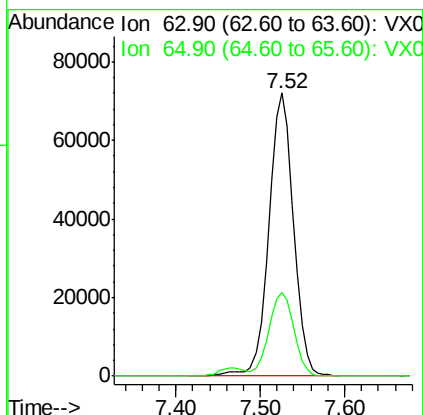
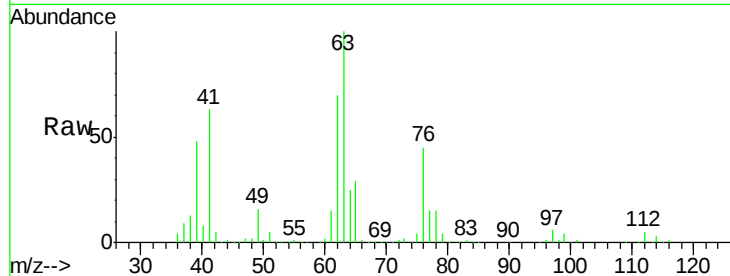




#45
 1,2-Dichloropropane
 Concen: 52.29 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

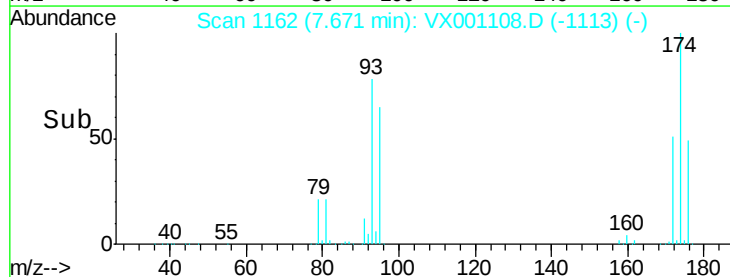
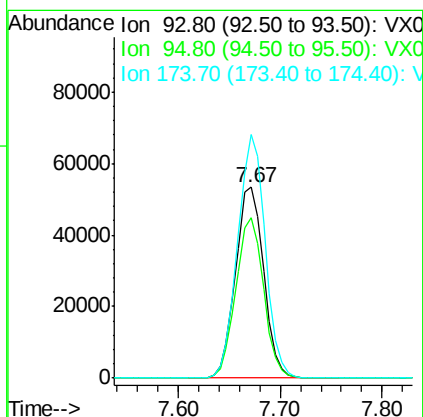
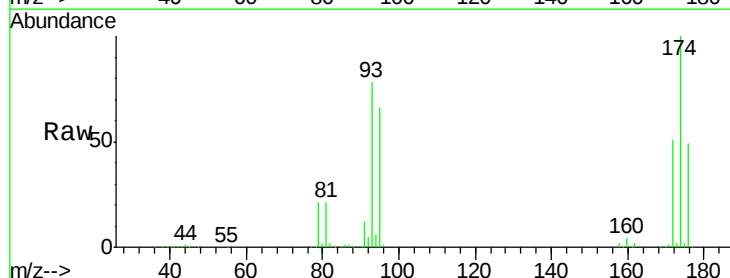
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

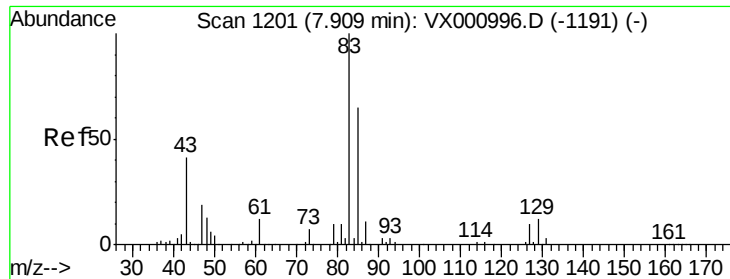
Tgt Ion: 63 Resp: 146146
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6



#46
 Dibromomethane
 Concen: 52.41 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 93 Resp: 102340
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.7 100.1
 174 124.5 101.8 152.6





#47

Bromodichloromethane

Concen: 52.98 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

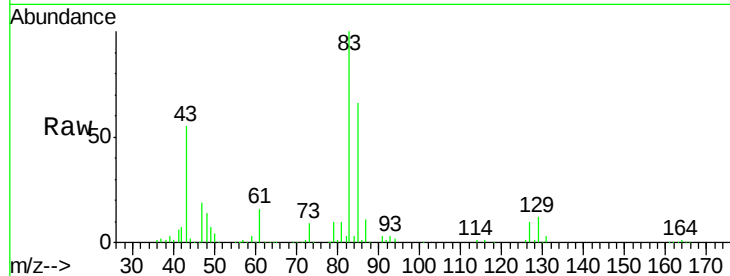
Tgt Ion: 83 Resp: 191658

Ion Ratio Lower Upper

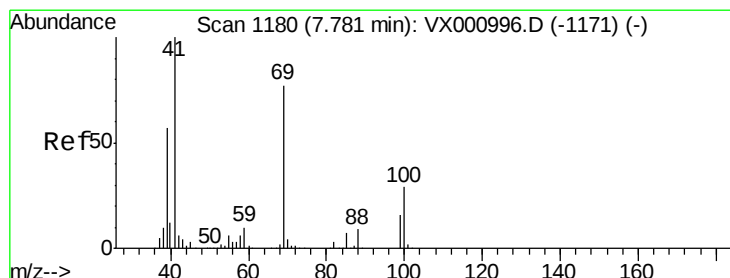
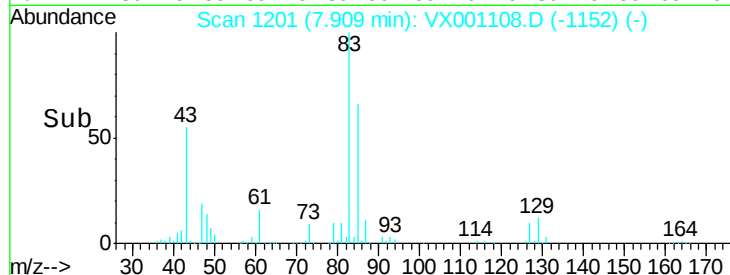
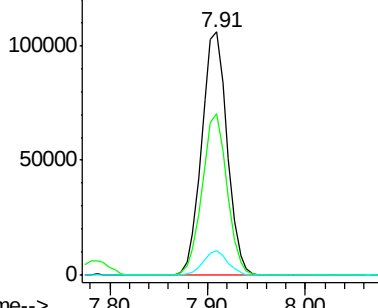
83 100

85 66.3 52.3 78.5

127 10.0 7.8 11.6



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: 54.37 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

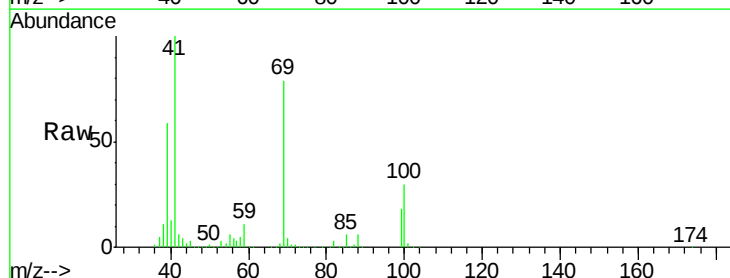
Tgt Ion: 41 Resp: 184183

Ion Ratio Lower Upper

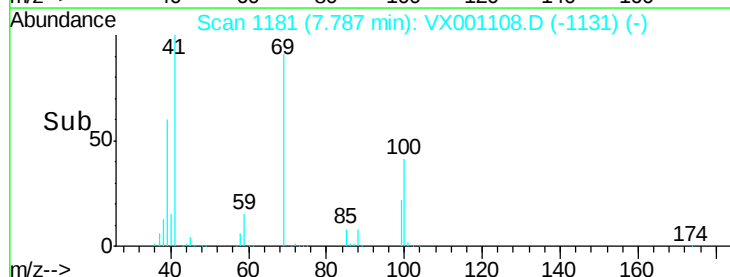
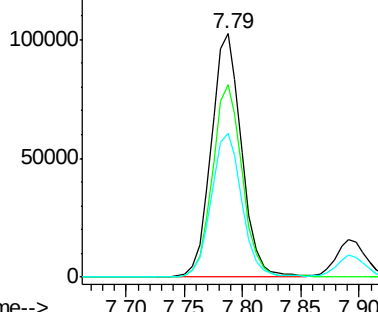
41 100

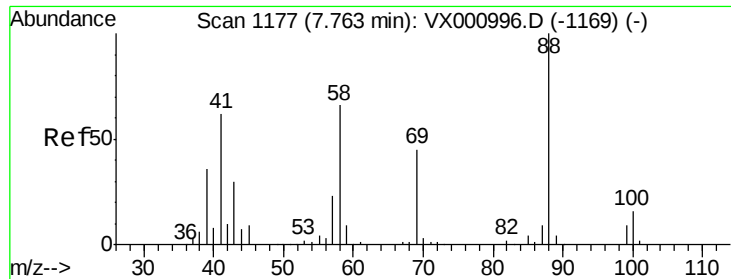
69 78.7 62.6 94.0

39 59.9 45.3 67.9



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

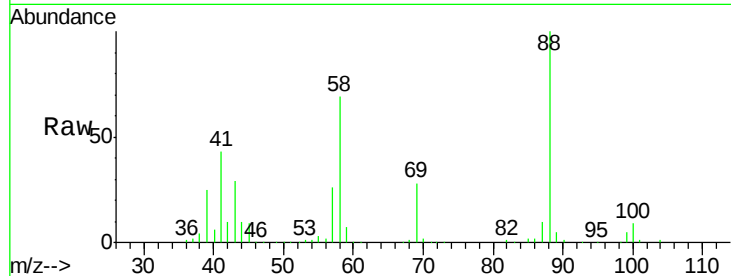




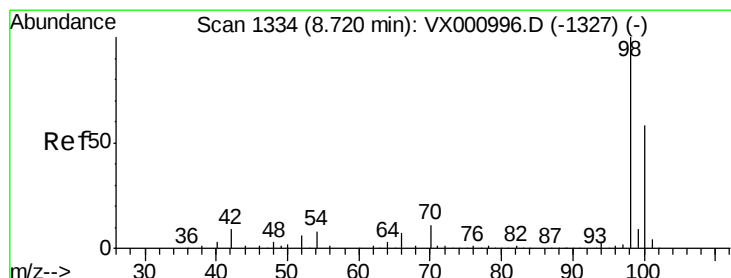
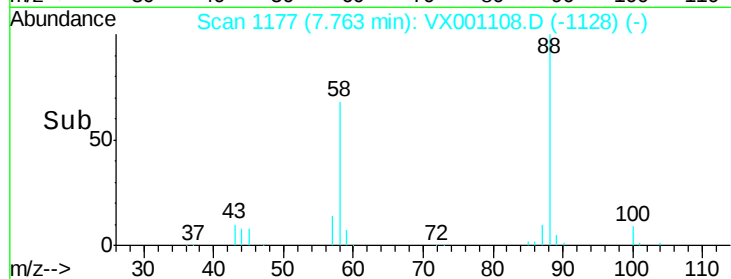
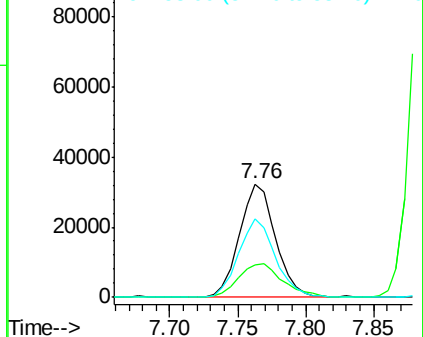
#49
1,4-Dioxane
Concen: 1202.50 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

Tgt Ion: 88 Resp: 59906
Ion Ratio Lower Upper
88 100
43 36.1 29.2 43.8
58 71.1 55.0 82.6

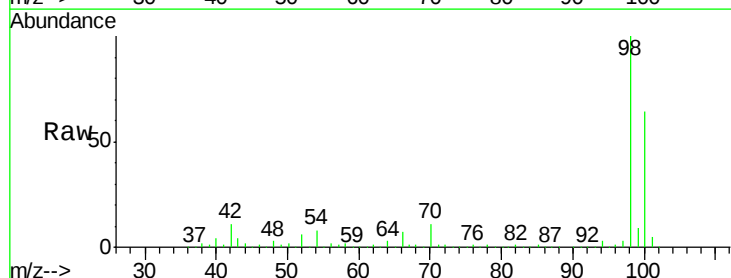


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

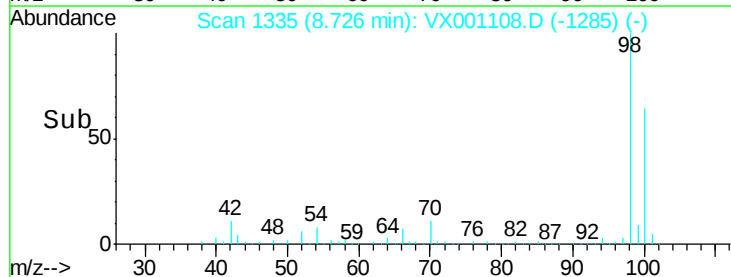
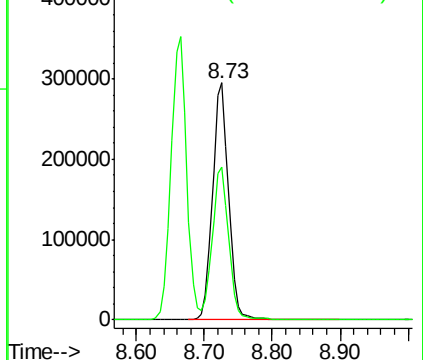


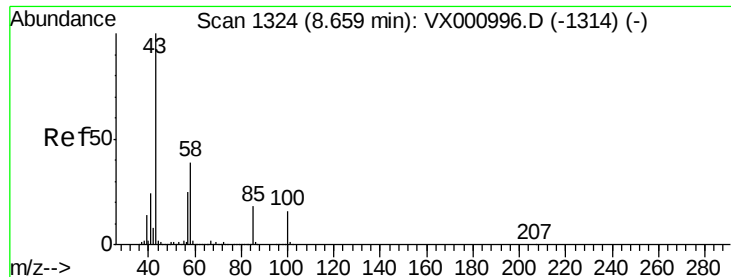
#50
Toluene-d8
Concen: 50.13 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion: 98 Resp: 480881
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

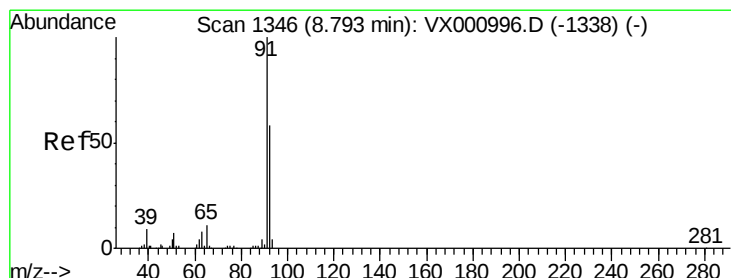
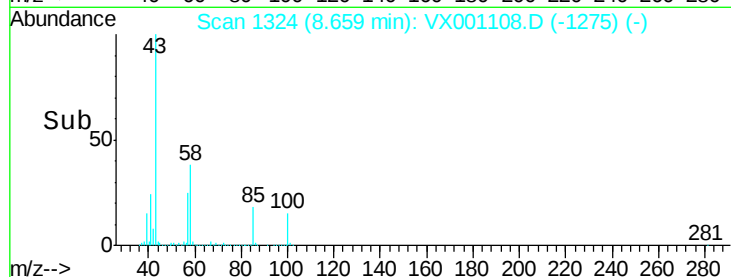
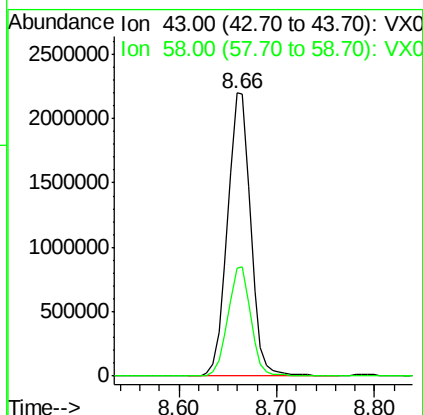
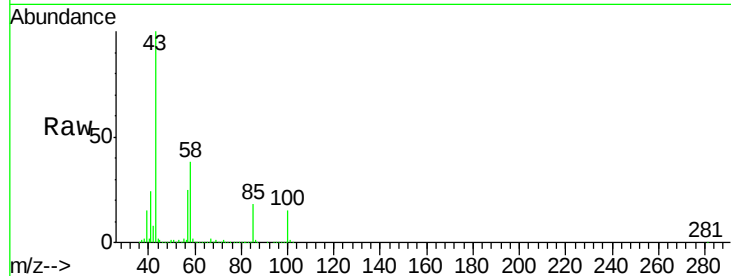




#51
 4-Methyl-2-Pentanone
 Concen: 948.23 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

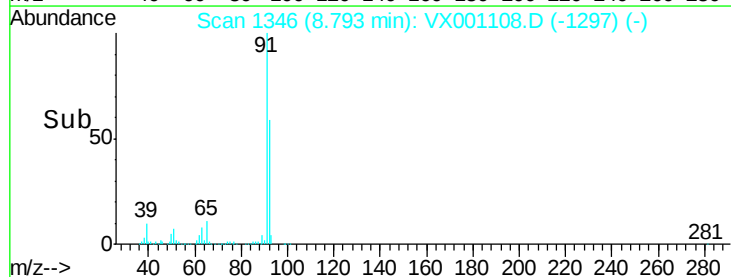
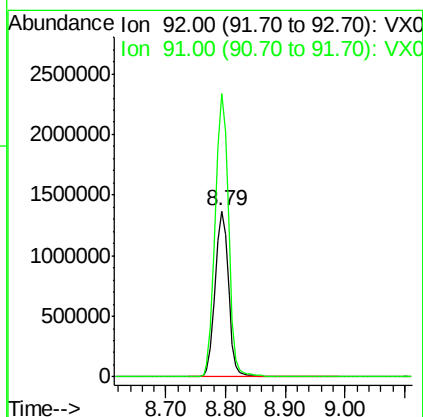
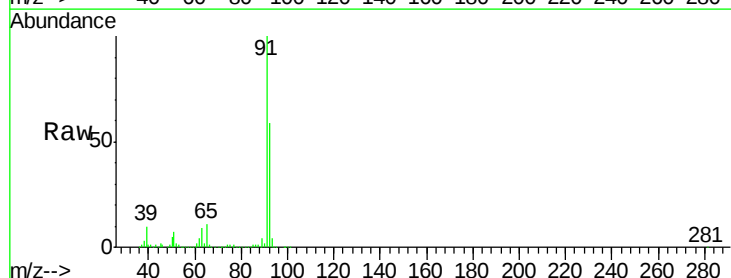
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

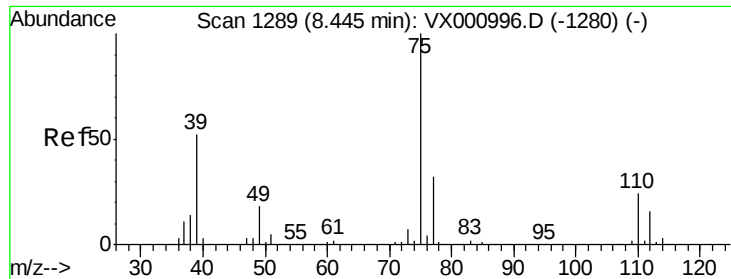
Tgt Ion: 43 Resp: 3622369
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4



#52
 Toluene
 Concen: 289.62 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 92 Resp: 2101042
 Ion Ratio Lower Upper
 92 100
 91 171.3 138.2 207.4

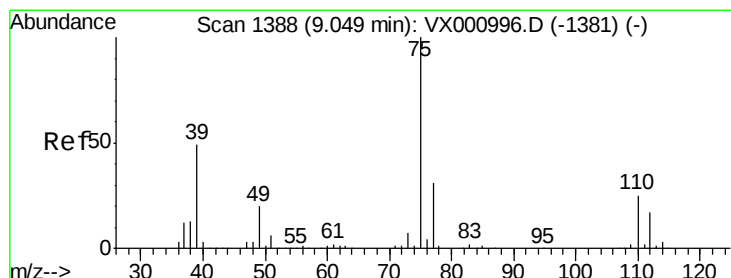
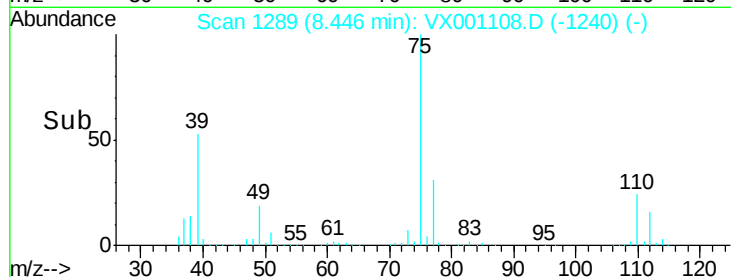
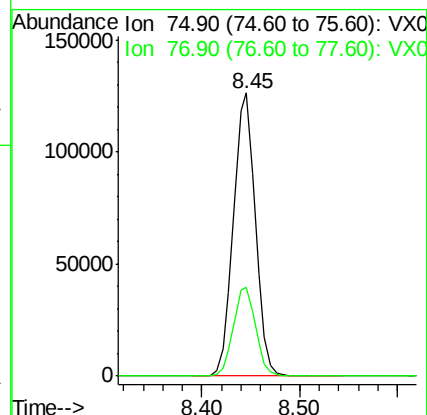
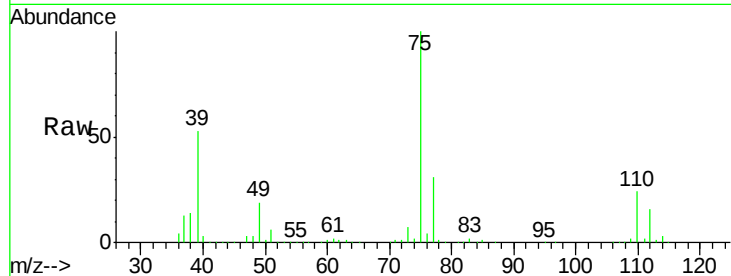




#53
t-1,3-Dichloropropene
Concen: 45.47 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

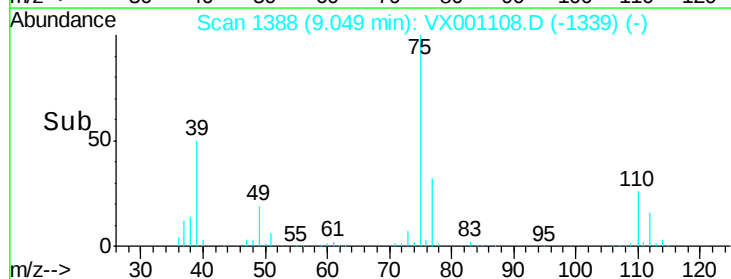
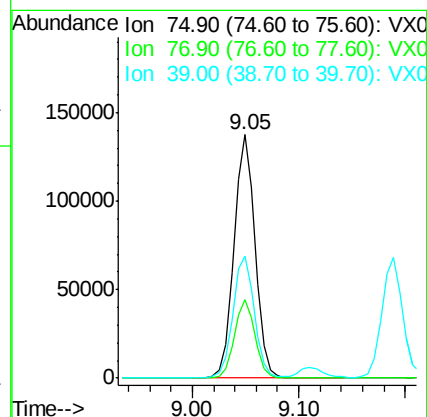
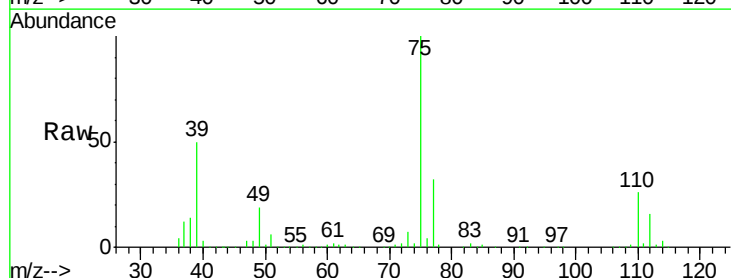
Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

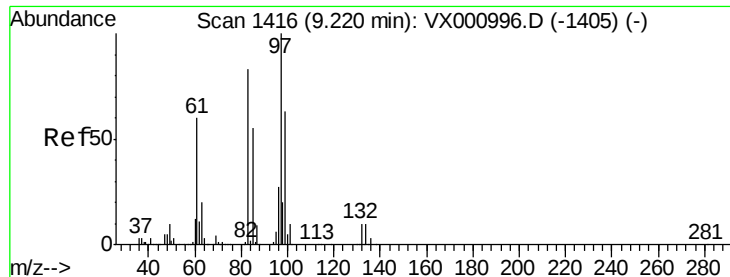
Tgt Ion: 75 Resp: 196720
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 46.63 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion: 75 Resp: 190245
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 50.1 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 56.75 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

Tgt Ion: 97 Resp: 163648

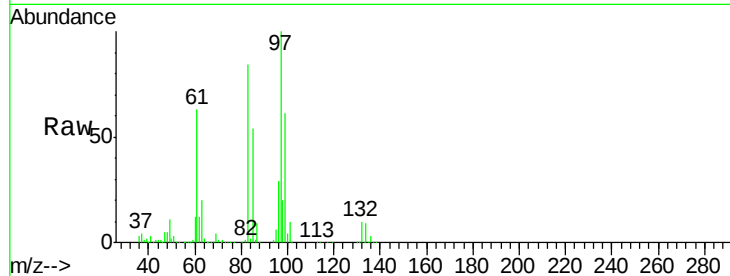
Ion Ratio Lower Upper

97 100

83 84.2 66.2 99.4

85 53.8 44.2 66.4

99 61.1 50.2 75.4

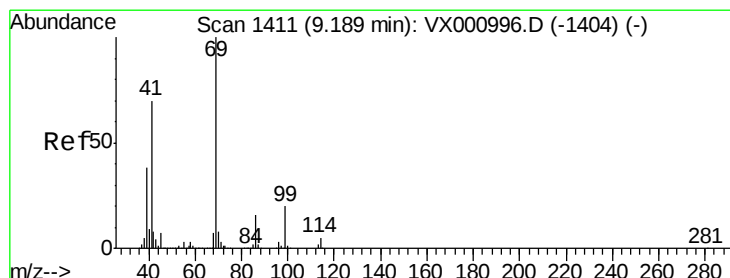
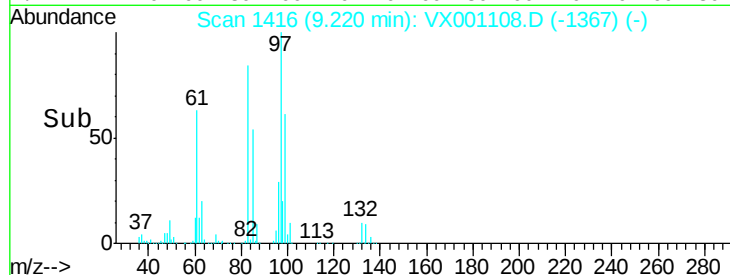
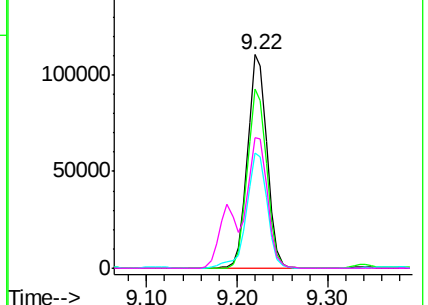


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 55.27 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

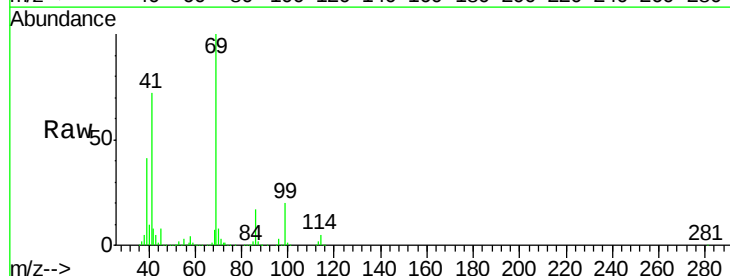
Tgt Ion: 69 Resp: 234088

Ion Ratio Lower Upper

69 100

41 71.3 56.3 84.5

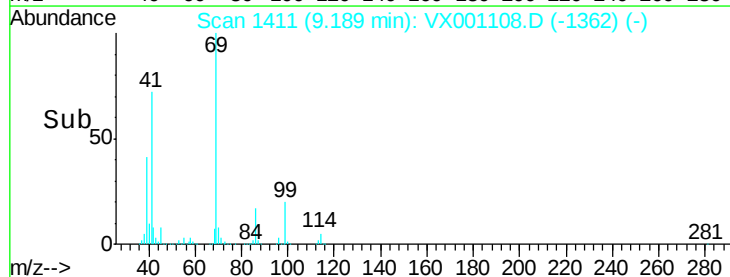
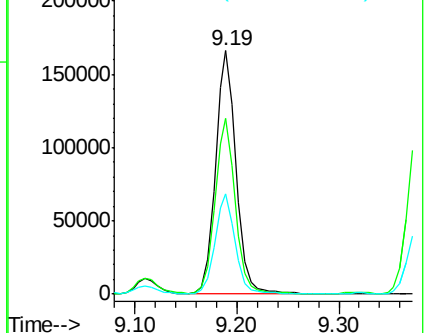
39 40.4 30.4 45.6

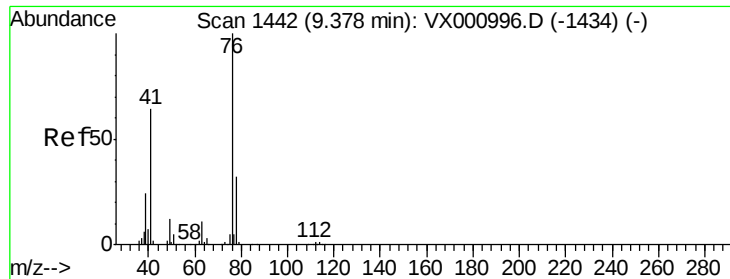


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.19 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

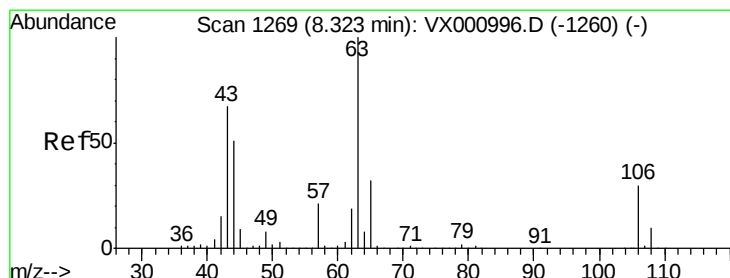
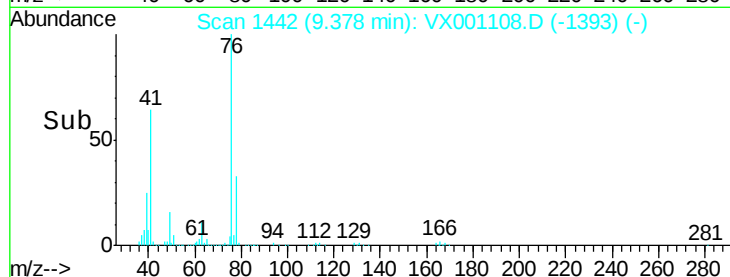
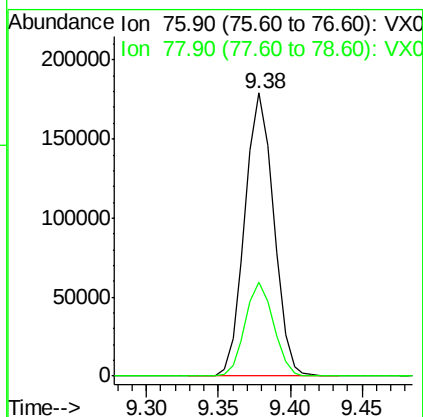
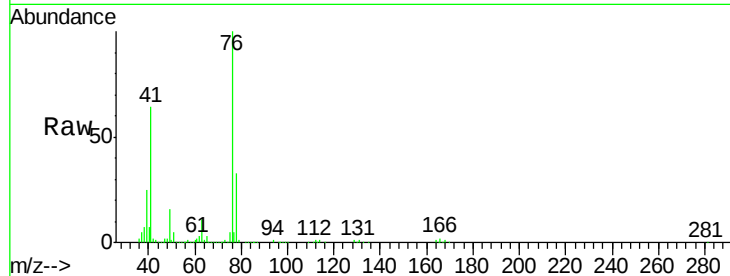
LF001MW001-180418MSD

Tgt Ion: 76 Resp: 249303

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 116.21 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX001108.D

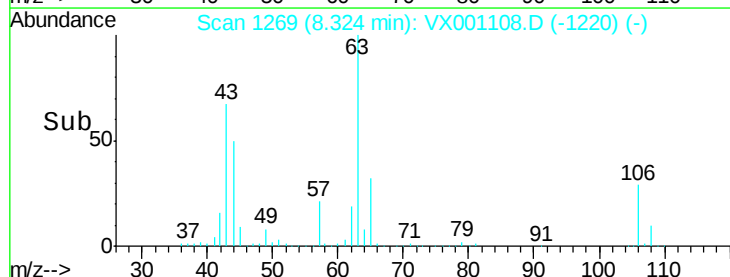
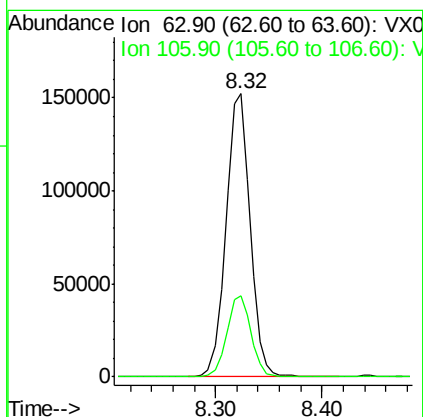
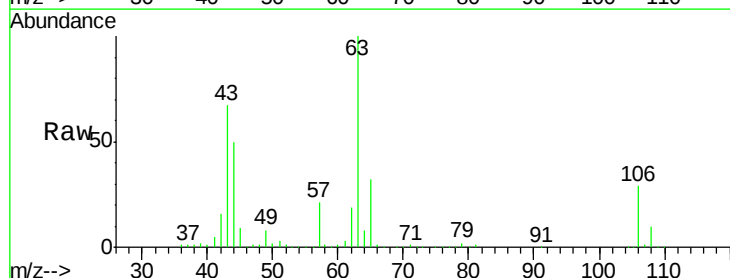
Acq: 25 Apr 2018 05:32

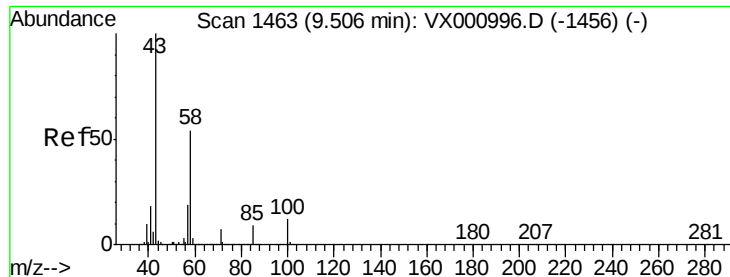
Tgt Ion: 63 Resp: 240193

Ion Ratio Lower Upper

63 100

106 29.0 23.8 35.6

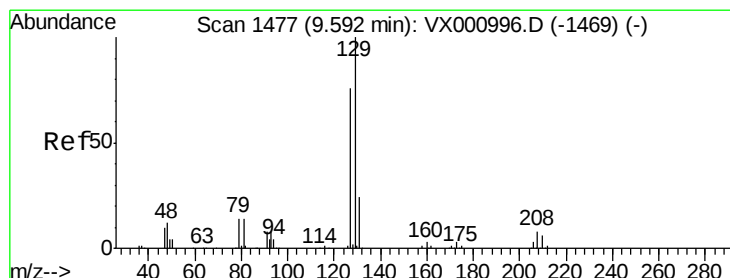
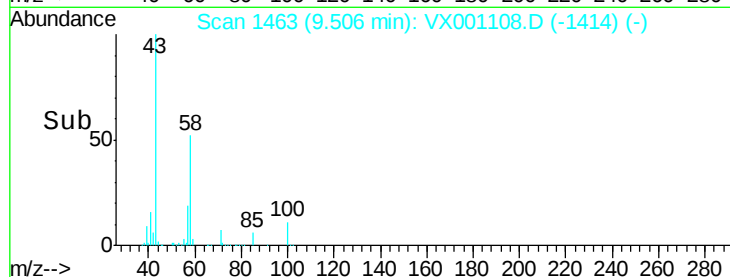
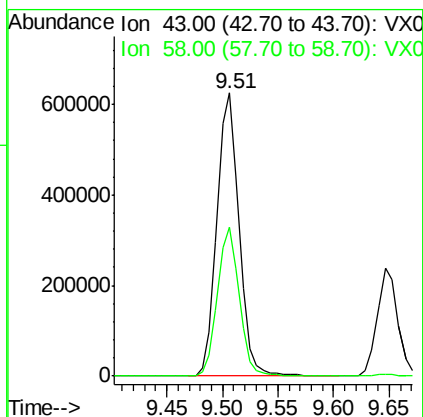
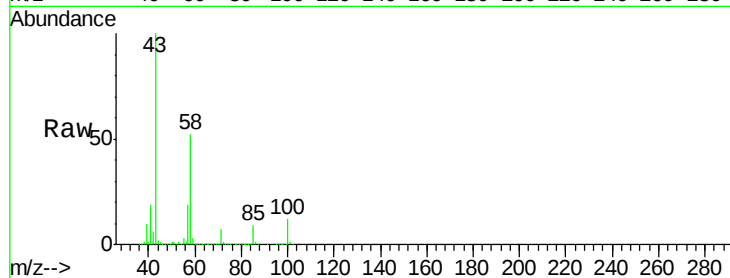




#59
2-Hexanone
Concen: 294.18 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

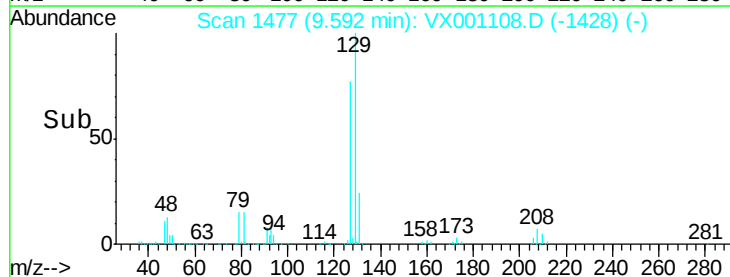
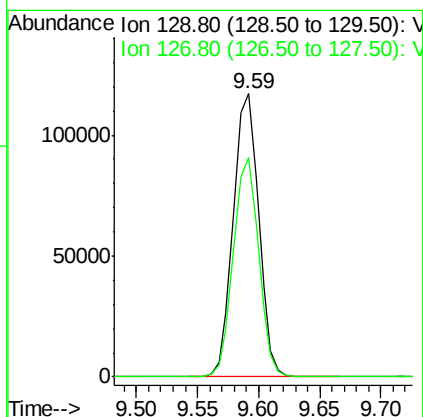
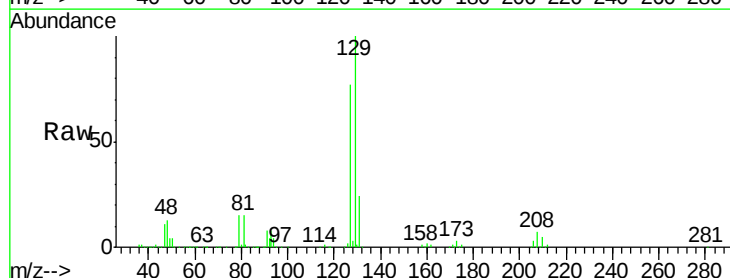
Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

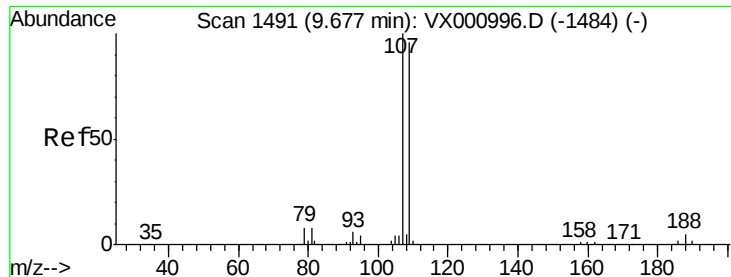
Tgt Ion: 43 Resp: 860190
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9



#60
Dibromochloromethane
Concen: 55.59 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion: 129 Resp: 168357
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 54.22 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

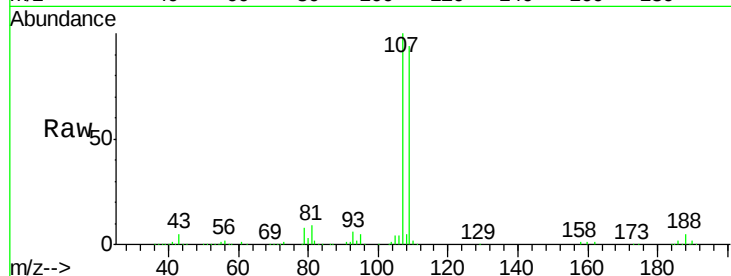
LF001MW001-180418MSD

Tgt Ion: 107 Resp: 164976

Ion Ratio Lower Upper

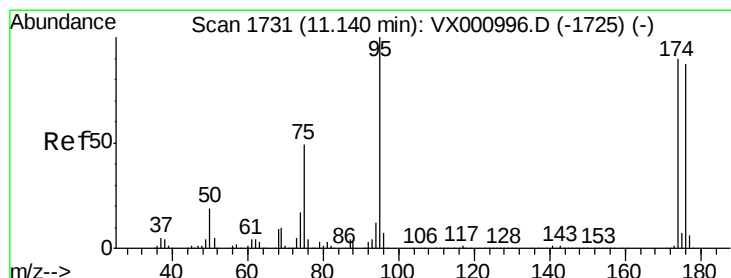
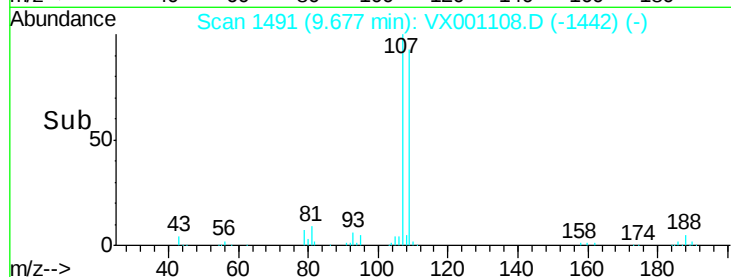
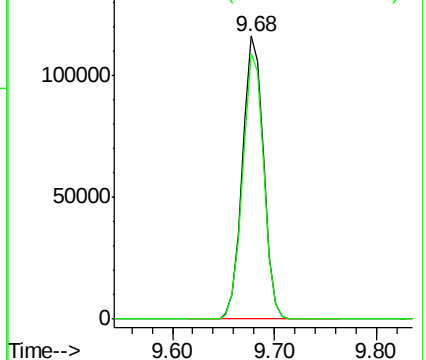
107 100

109 94.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

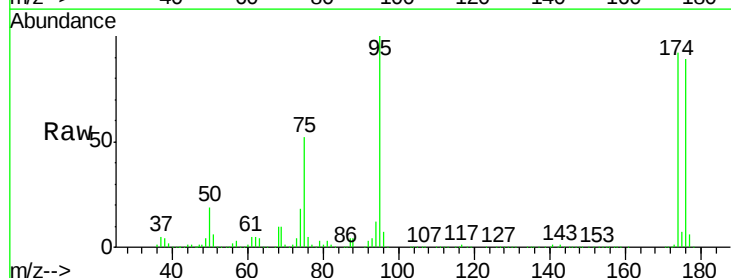
Tgt Ion: 95 Resp: 197128

Ion Ratio Lower Upper

95 100

174 98.4 0.0 198.4

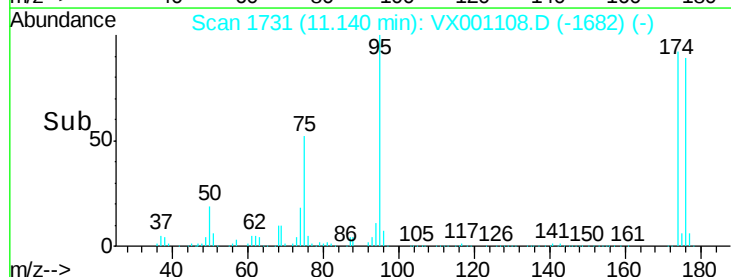
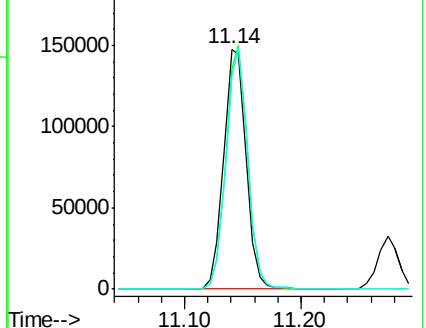
176 96.8 0.0 192.0

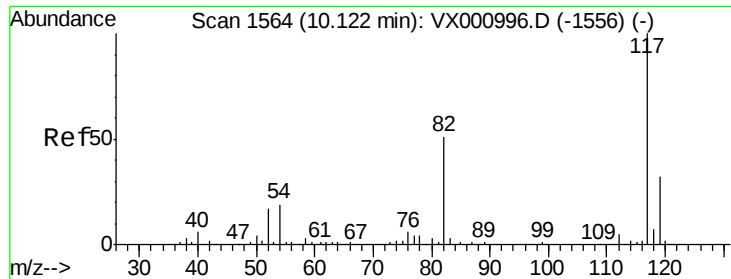


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

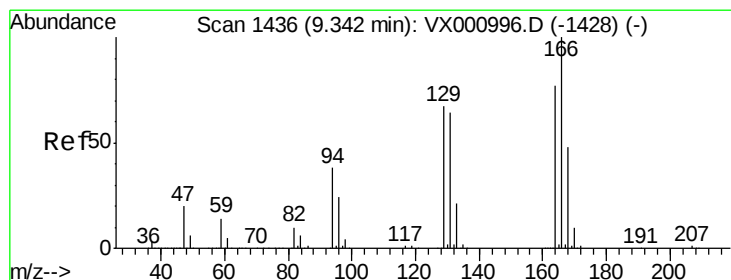
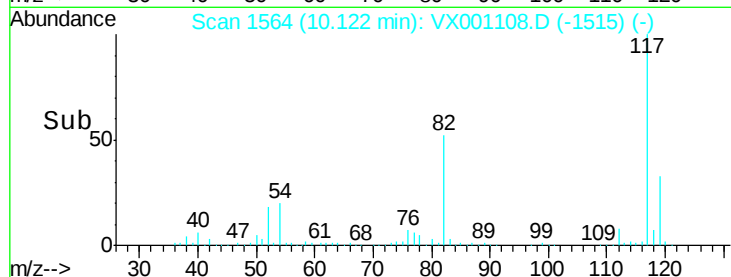
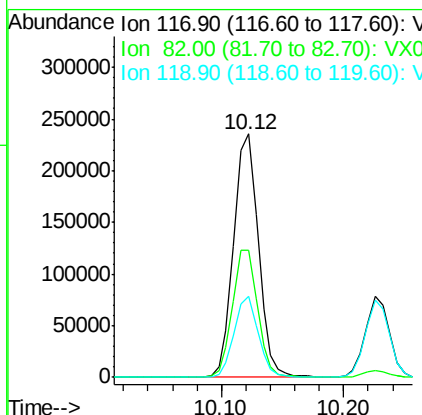
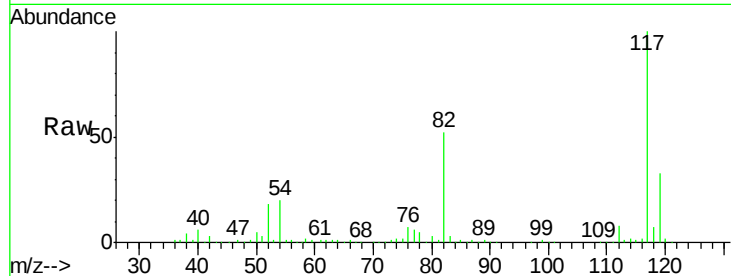




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

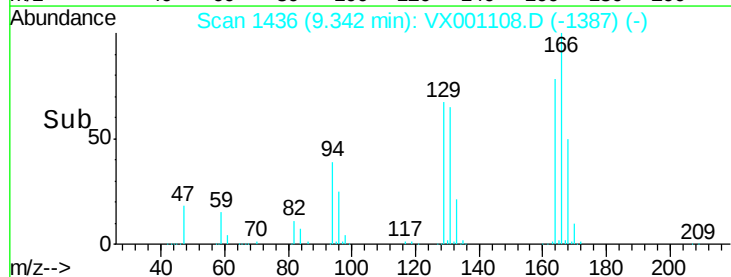
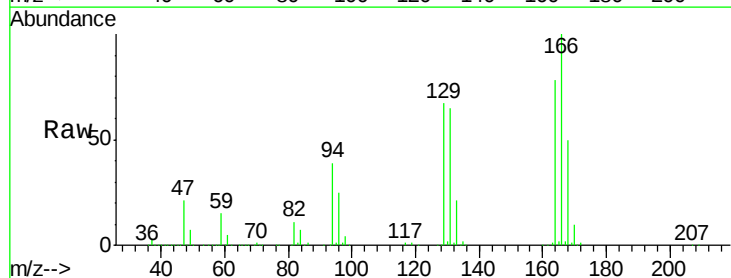
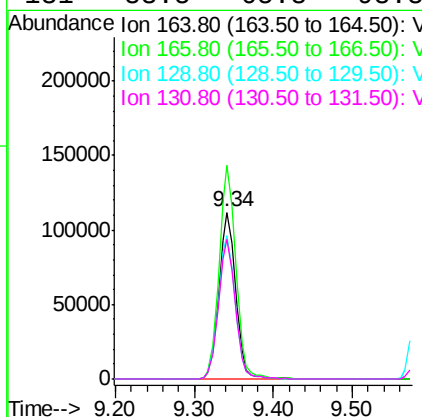
Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

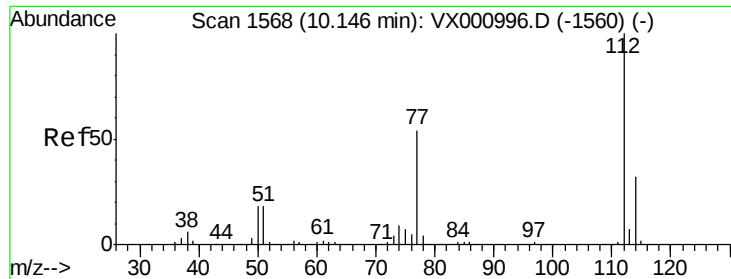
Tgt Ion:117 Resp: 330772
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 33.3 26.0 39.0



#64
Tetrachloroethene
Concen: 47.41 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion:164 Resp: 166547
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 86.0 69.6 104.4
131 83.5 65.8 98.8





#65

Chlorobenzene

Concen: 84.97 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

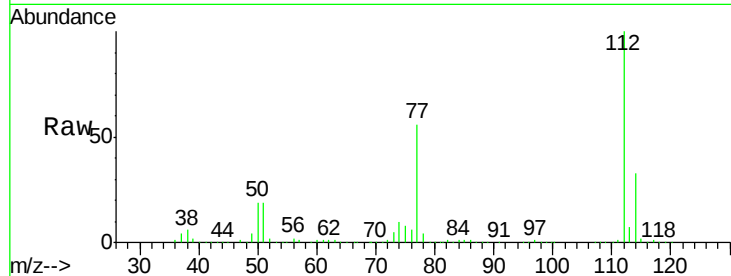
LF001MW001-180418MSD

Tgt Ion:112 Resp: 748388

Ion Ratio Lower Upper

112 100

114 32.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

600000

500000

400000

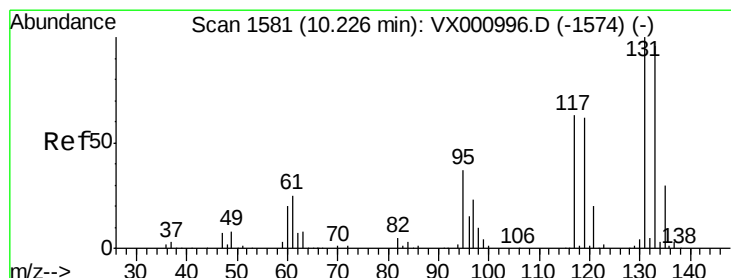
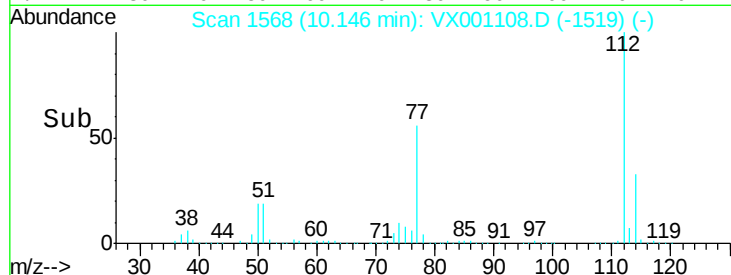
300000

200000

100000

0

Time--> 10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 53.93 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

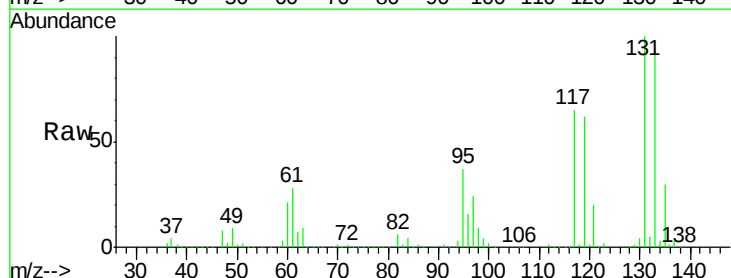
Tgt Ion:131 Resp: 163043

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

119 62.1 31.1 93.2



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

10.23

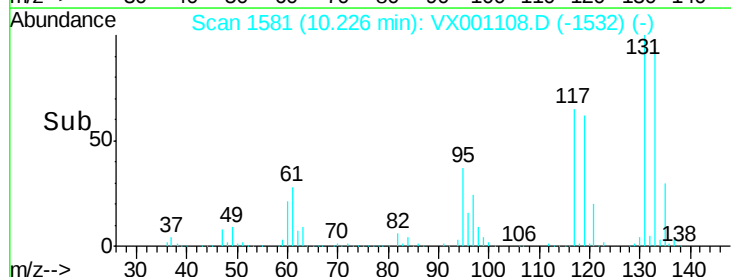
150000

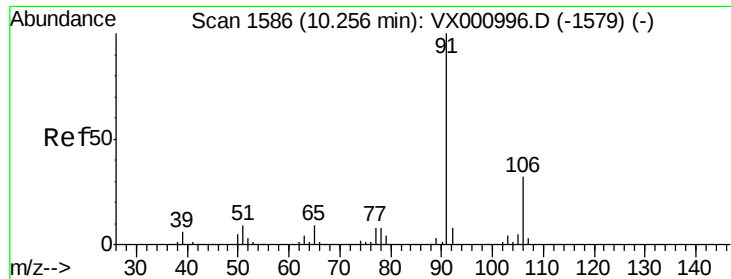
100000

50000

0

Time--> 10.20 10.30





#67

Ethyl Benzene

Concen: 70.89 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

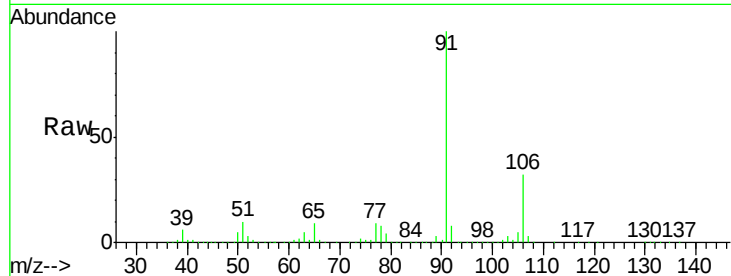
LF001MW001-180418MSD

Tgt Ion: 91 Resp: 1036807

Ion Ratio Lower Upper

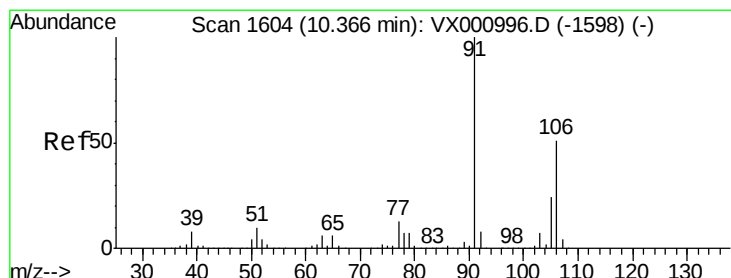
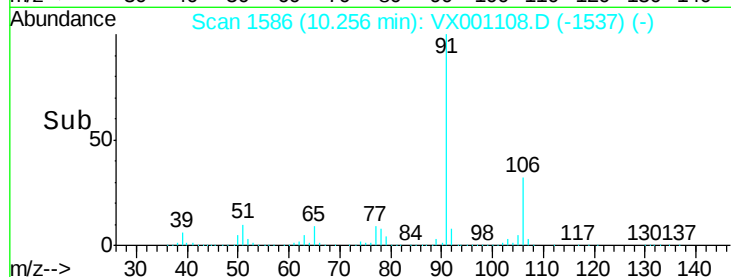
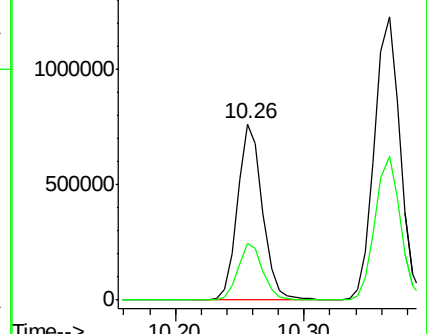
91 100

106 32.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 147.18 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001108.D

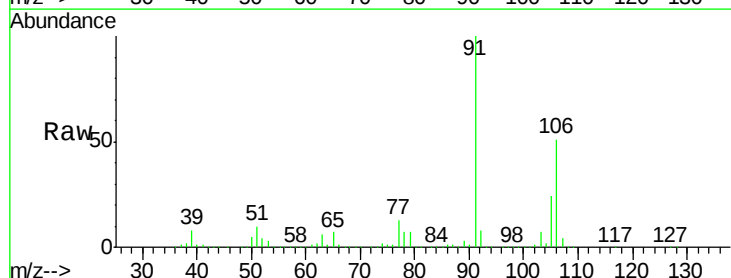
Acq: 25 Apr 2018 05:32

Tgt Ion: 106 Resp: 848473

Ion Ratio Lower Upper

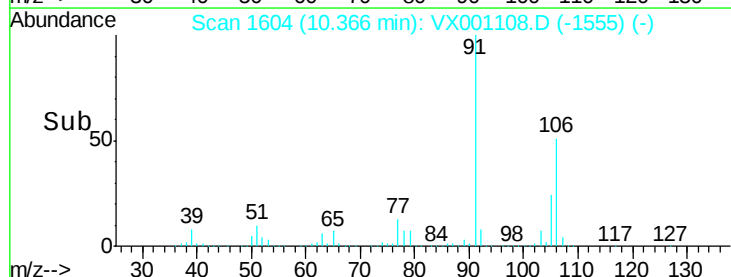
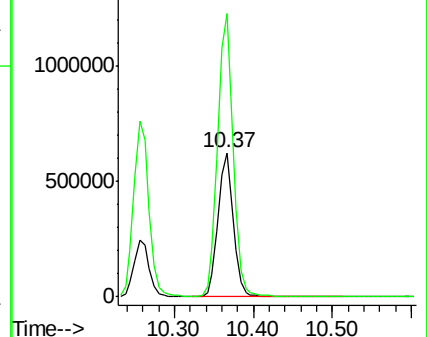
106 100

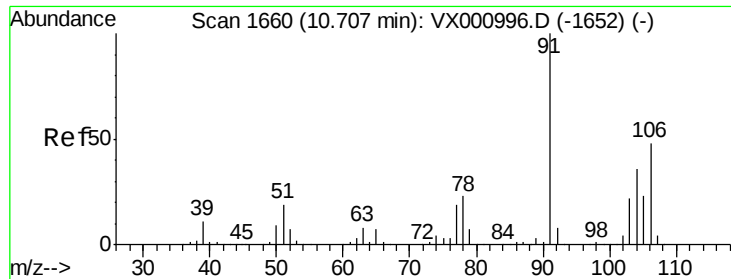
91 199.6 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

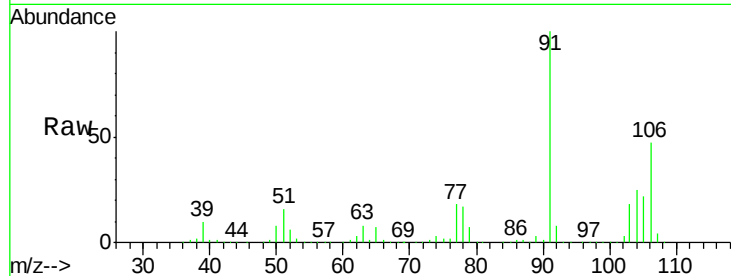




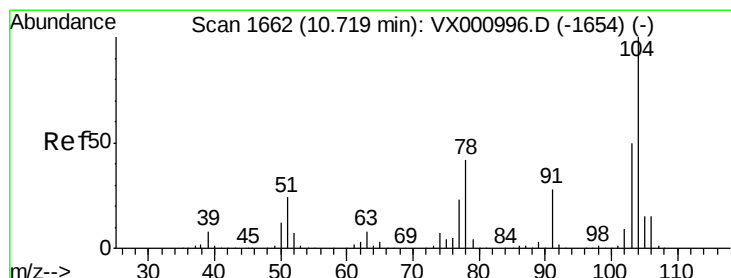
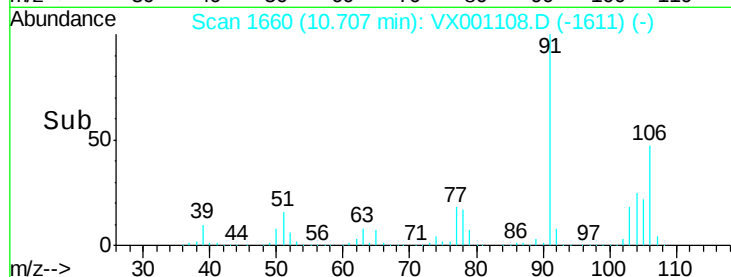
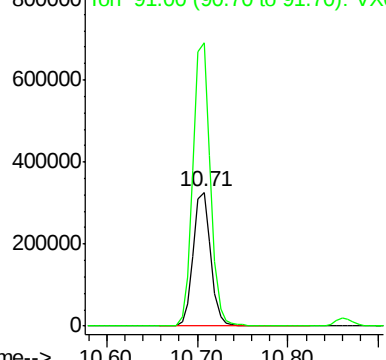
#69
o-Xylene
Concen: 78.88 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

Tgt Ion:106 Resp: 438394
Ion Ratio Lower Upper
106 100
91 212.3 105.1 315.1

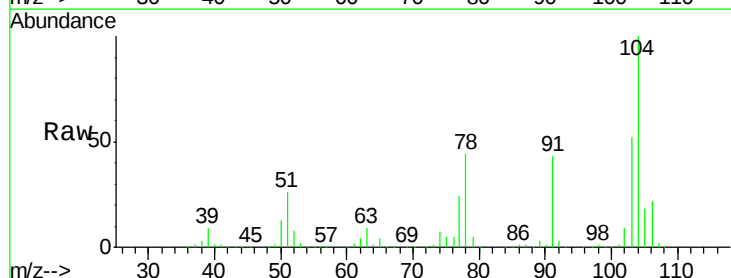


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

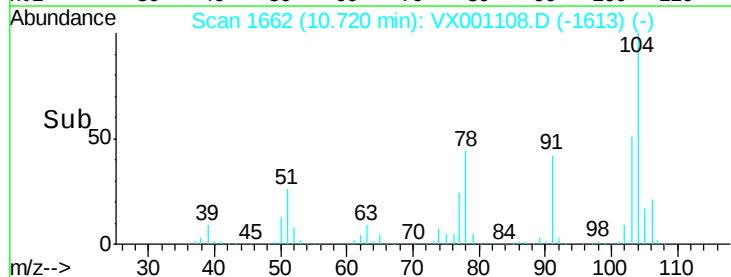
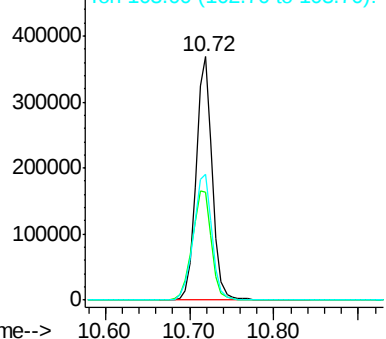


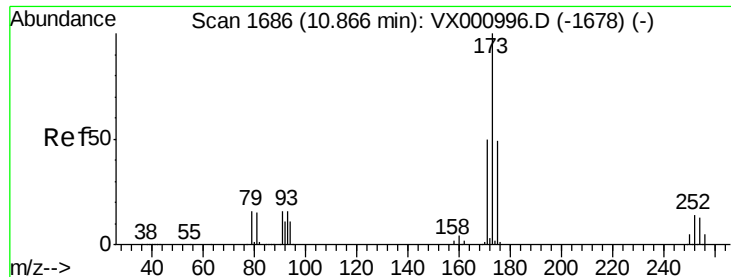
#70
Styrene
Concen: 53.15 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion:104 Resp: 486484
Ion Ratio Lower Upper
104 100
78 53.5 39.4 59.2
103 59.3 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

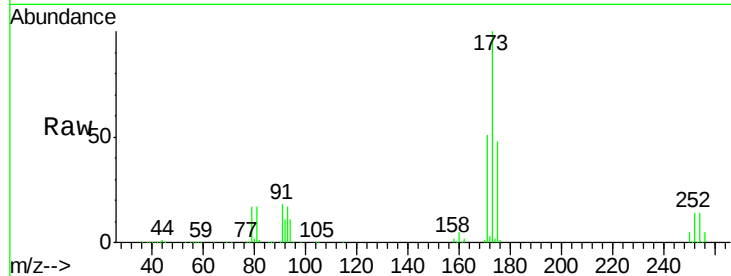




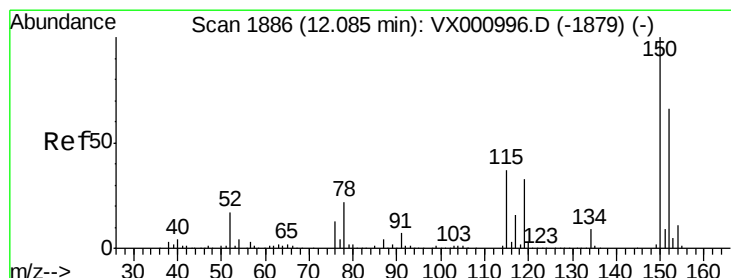
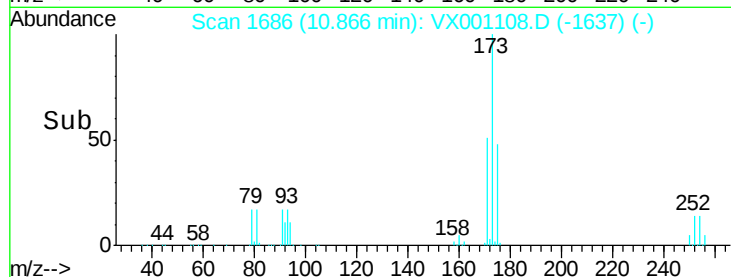
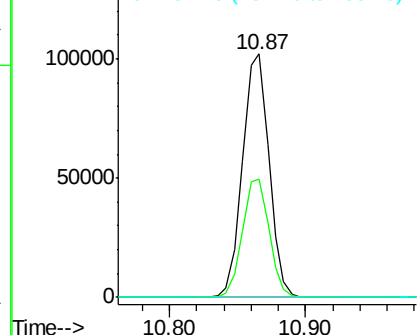
#71
Bromoform
Concen: 49.28 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Instrument :
MSVOA_X
ClientSampleId :
LF001MW001-180418MSD

Tgt Ion:173 Resp: 138594
Ion Ratio Lower Upper
173 100
175 49.0 24.8 74.3
254 0.2 0.2 0.2

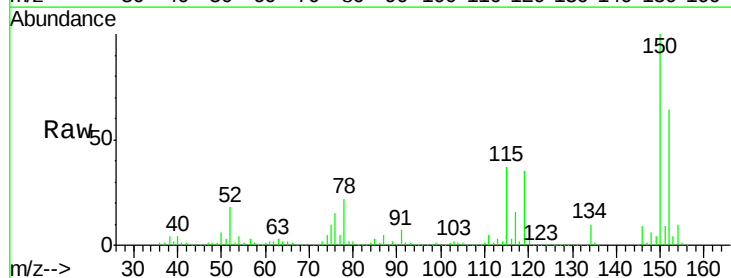


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

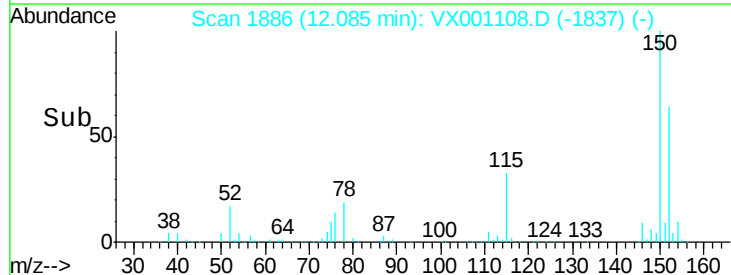
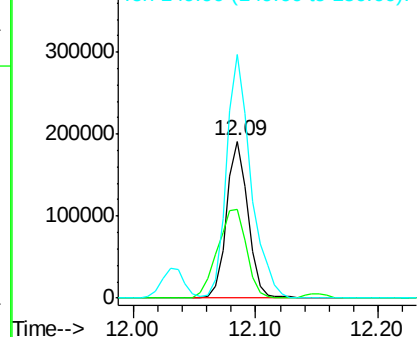


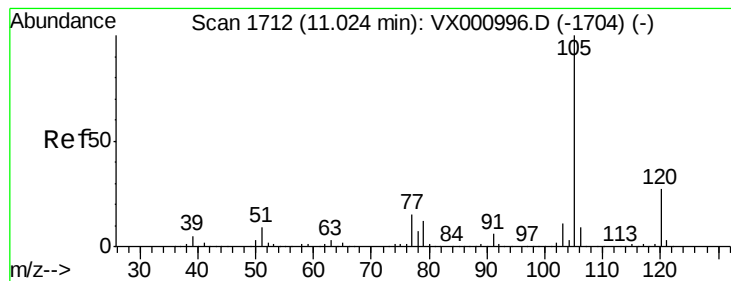
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001108.D
Acq: 25 Apr 2018 05:32

Tgt Ion:152 Resp: 230818
Ion Ratio Lower Upper
152 100
115 76.6 38.2 114.6
150 177.5 0.0 350.4



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: 52.57 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

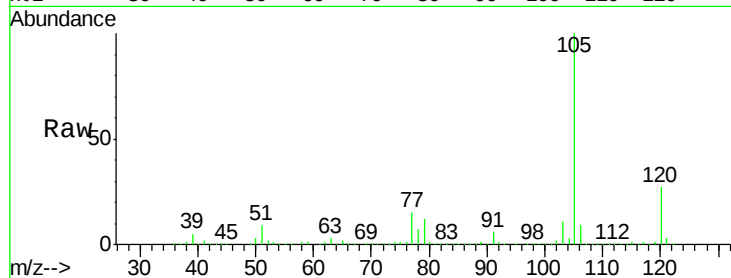
LF001MW001-180418MSD

Tgt Ion: 105 Resp: 793320

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

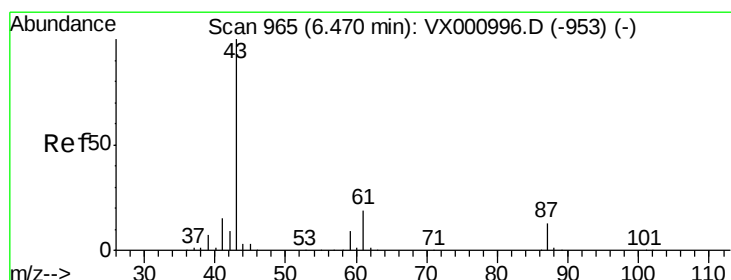
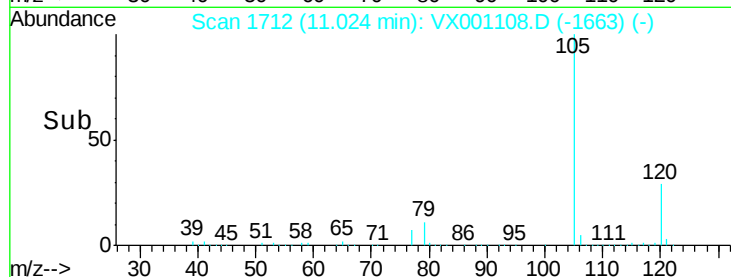
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 53.00 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Tgt Ion: 43 Resp: 342134

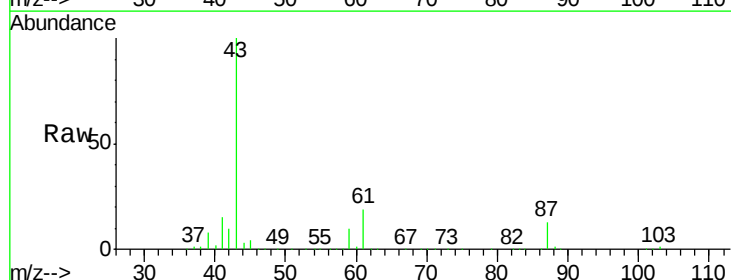
Ion Ratio Lower Upper

43 100

70 0.2 0.0 0.0#

55 0.1 0.1 0.1

61 18.9 15.4 23.2



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

200000

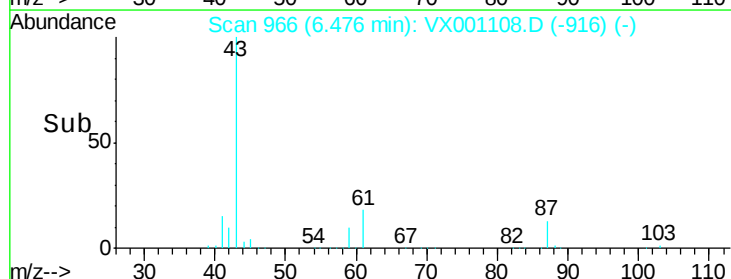
150000

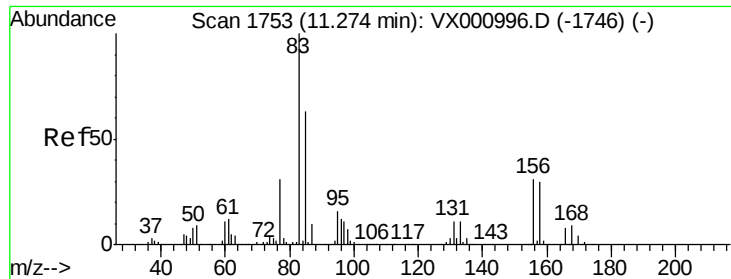
100000

50000

0

Time--> 6.30 6.40 6.50 6.60 6.70





#75

1,1,2,2-Tetrachloroethane

Concen: 55.67 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

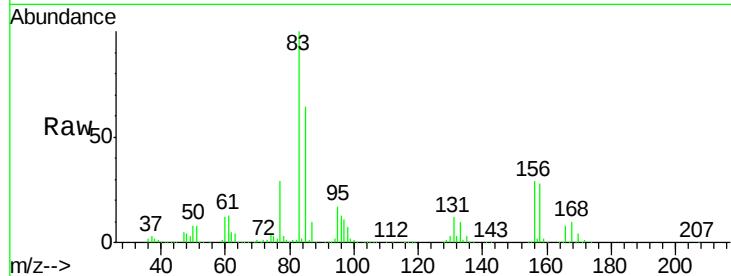
Tgt Ion: 83 Resp: 237819

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.4

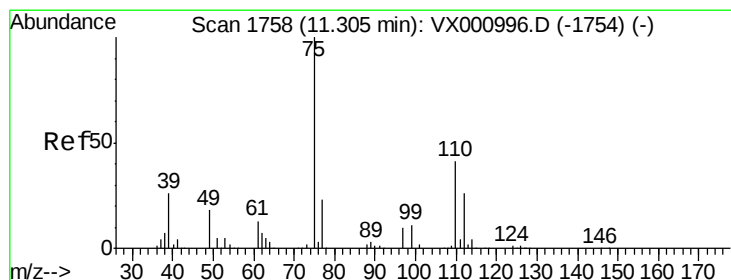
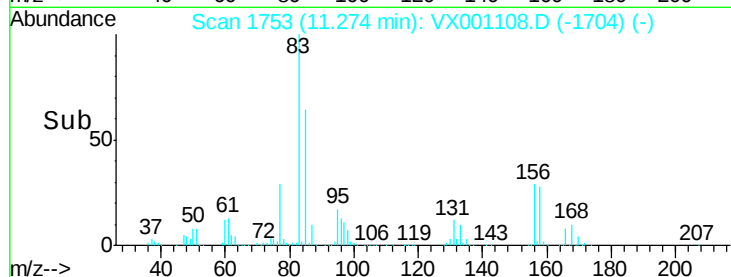
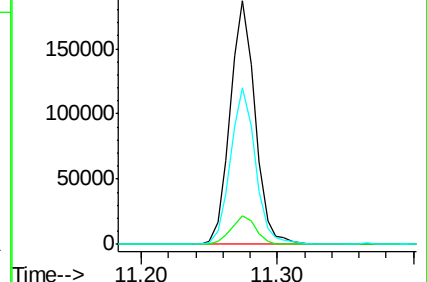
85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.17 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001108.D

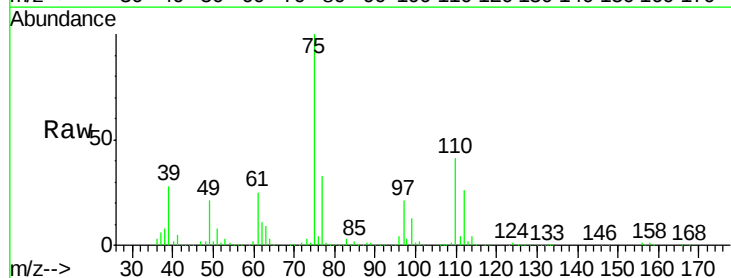
Acq: 25 Apr 2018 05:32

Tgt Ion: 75 Resp: 248968

Ion Ratio Lower Upper

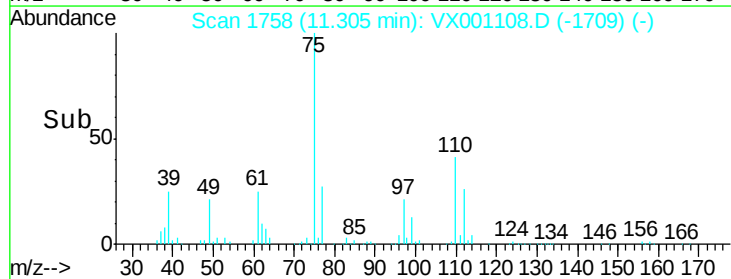
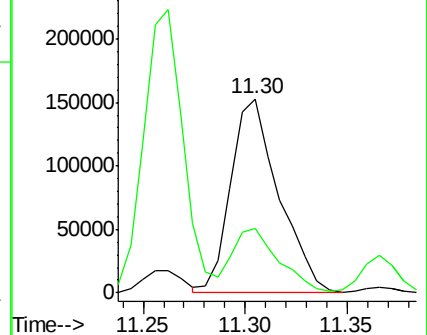
75 100

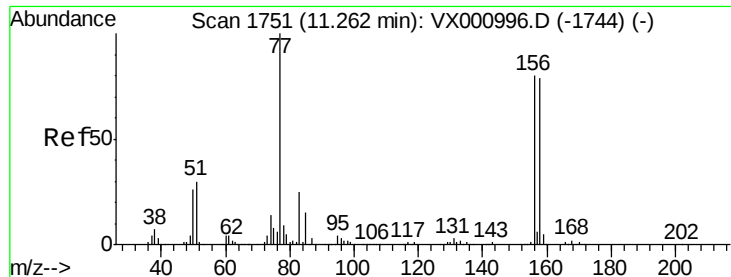
77 32.1 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.37 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

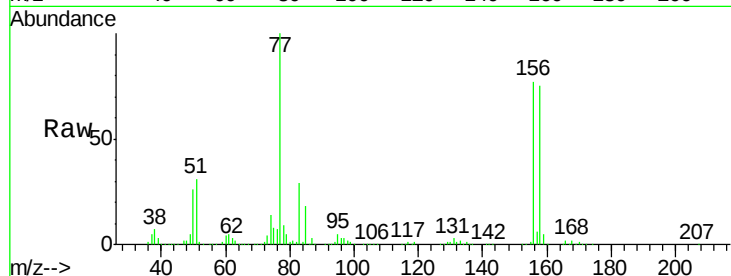
Tgt Ion: 156 Resp: 220648

Ion Ratio Lower Upper

156 100

77 135.9 66.3 199.0

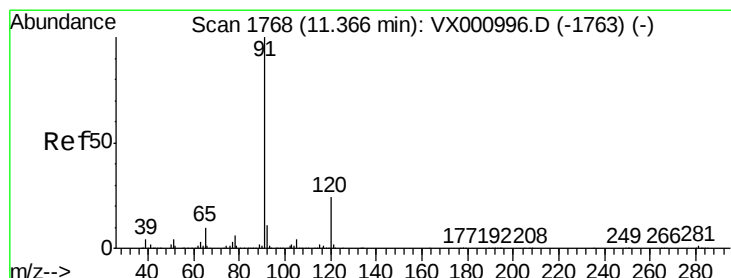
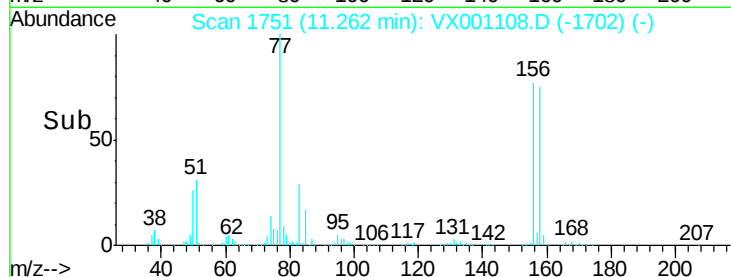
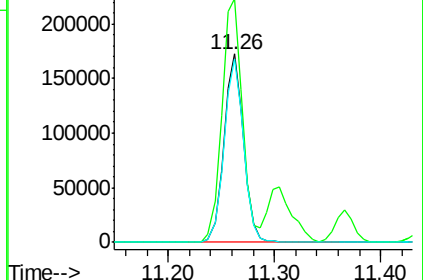
158 97.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001108.D

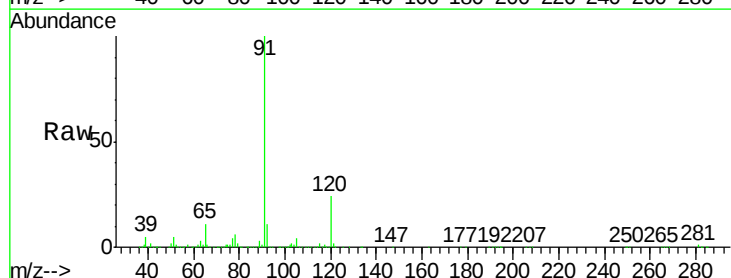
Acq: 25 Apr 2018 05:32

Tgt Ion: 91 Resp: 900306

Ion Ratio Lower Upper

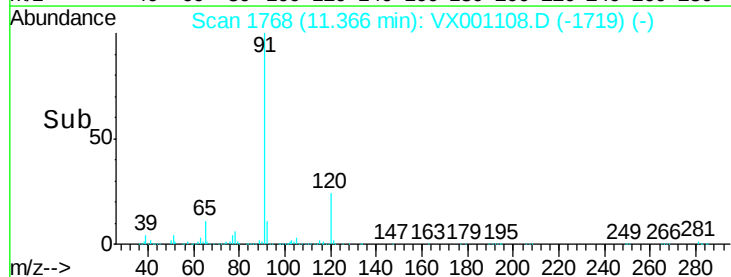
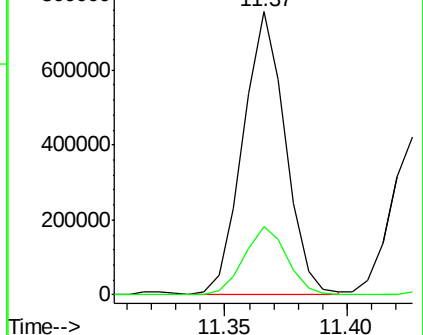
91 100

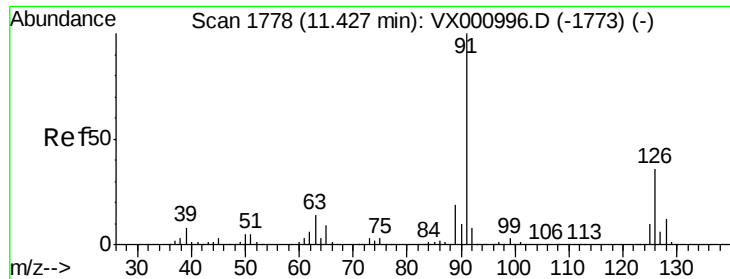
120 24.7 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

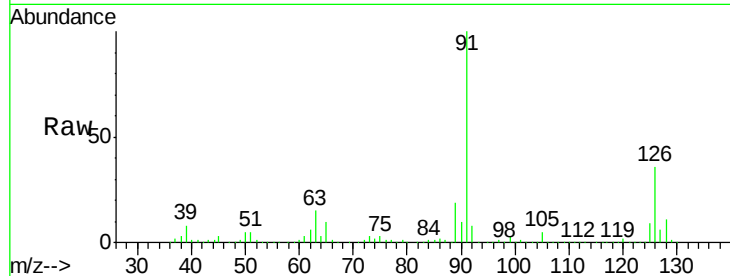
LF001MW001-180418MSD

Tgt Ion: 91 Resp: 539340

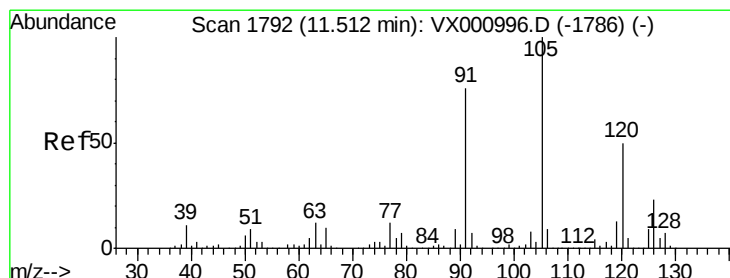
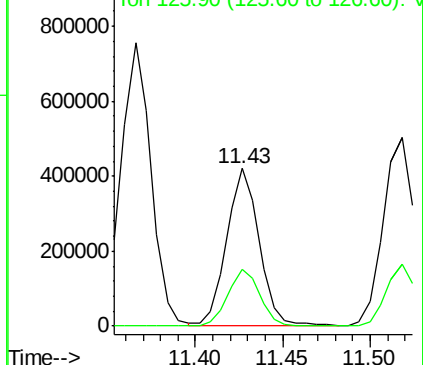
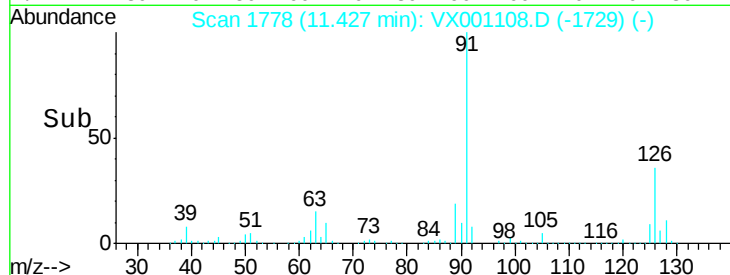
Ion Ratio Lower Upper

91 100

126 35.4 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX001108.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 60.58 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001108.D

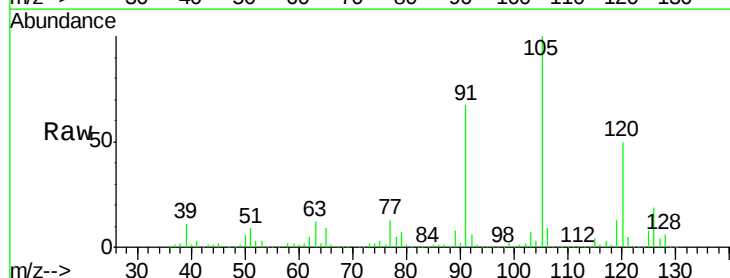
Acq: 25 Apr 2018 05:32

Tgt Ion: 105 Resp: 774957

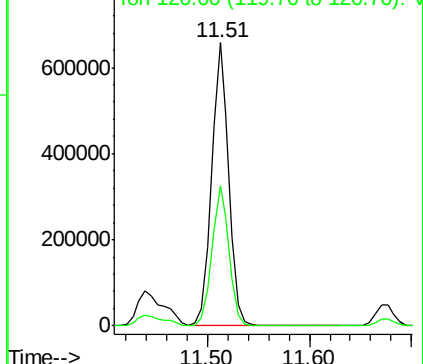
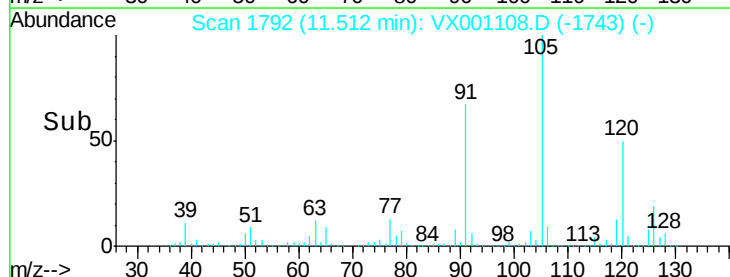
Ion Ratio Lower Upper

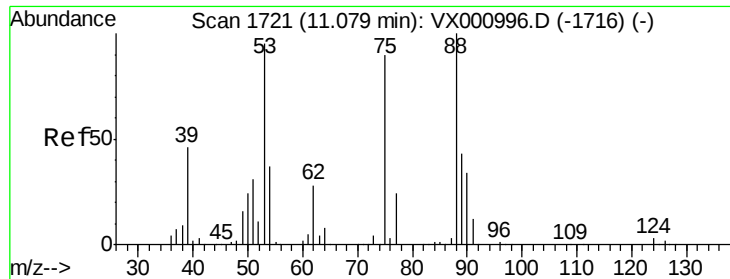
105 100

120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX001108.D (-1743) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 34.30 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

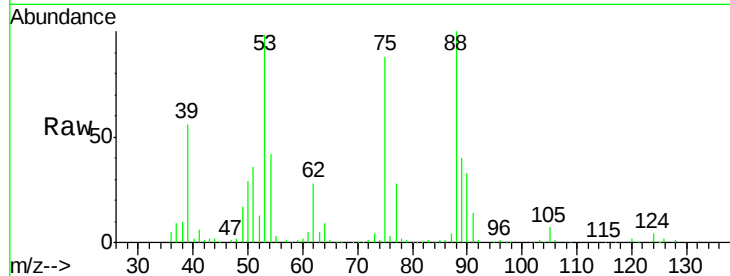
Tgt Ion: 75 Resp: 43343

Ion Ratio Lower Upper

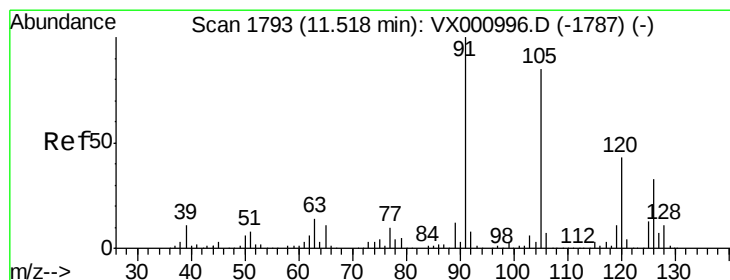
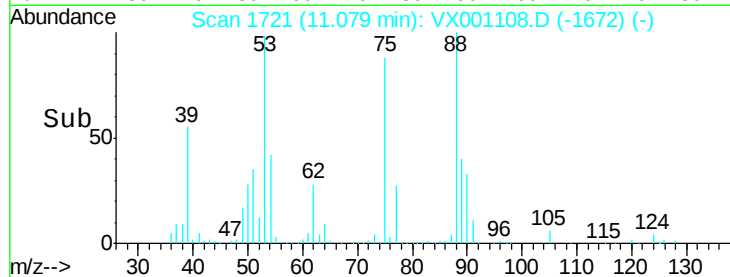
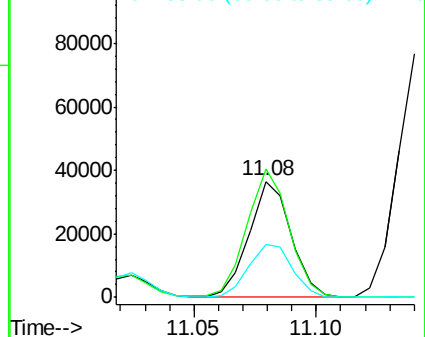
75 100

53 111.4 83.4 125.2

89 48.5 39.7 59.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.16 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001108.D

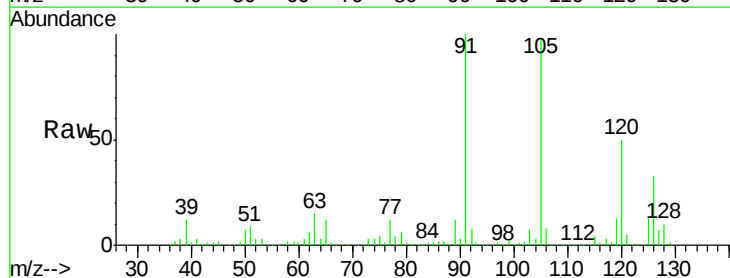
Acq: 25 Apr 2018 05:32

Tgt Ion: 91 Resp: 632804

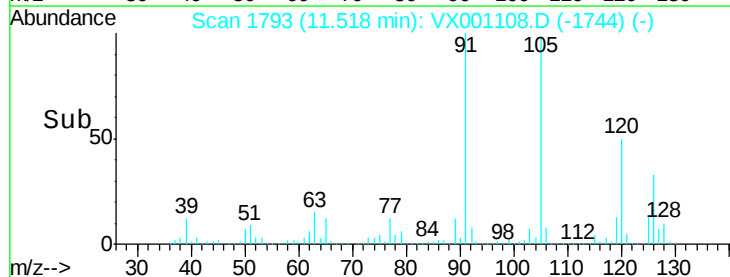
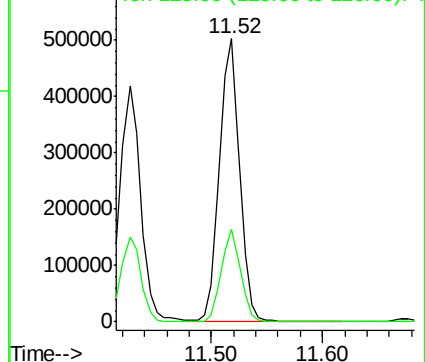
Ion Ratio Lower Upper

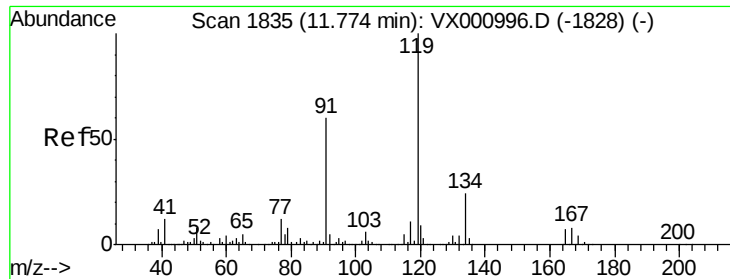
91 100

126 31.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

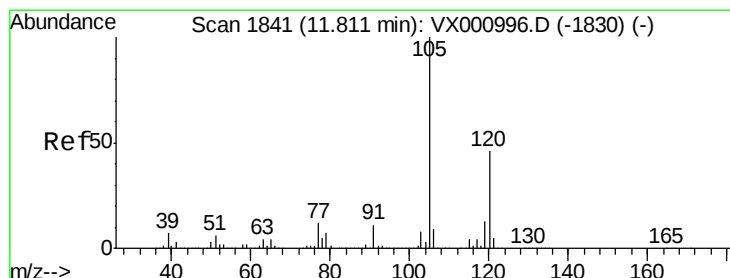
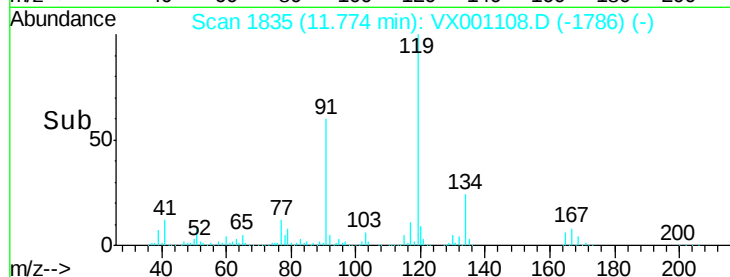
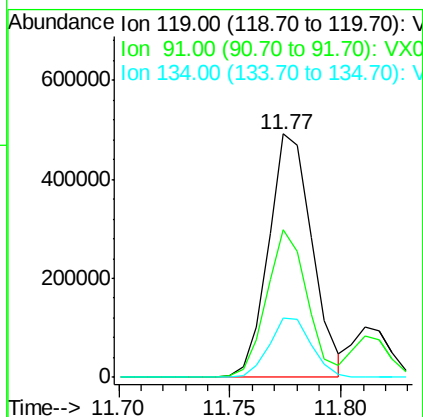
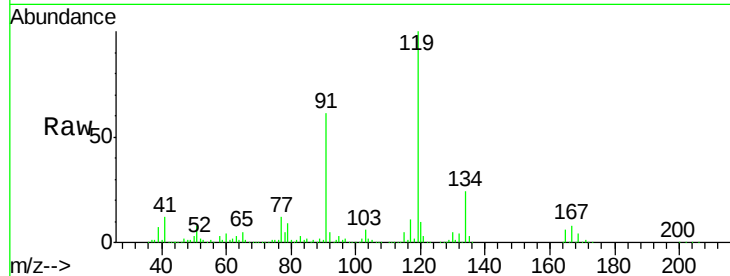




#83
 tert-Butylbenzene
 Concen: 51.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

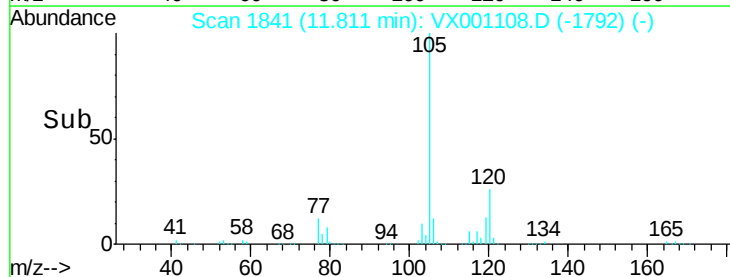
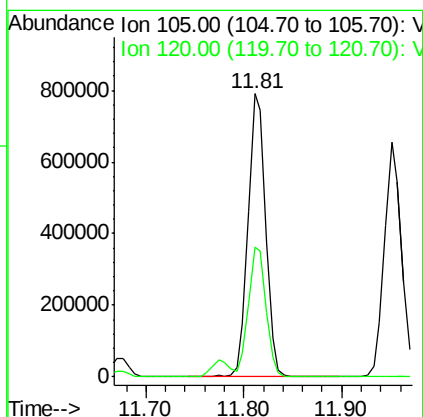
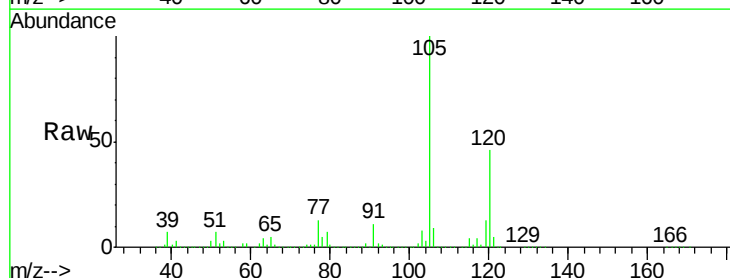
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

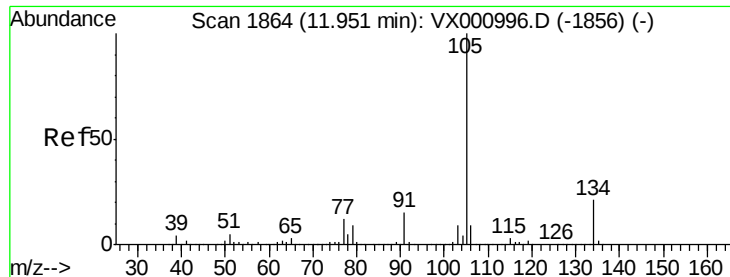
Tgt Ion:119 Resp: 666444
 Ion Ratio Lower Upper
 119 100
 91 56.6 27.0 81.0
 134 23.9 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 74.99 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion:105 Resp: 987147
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0

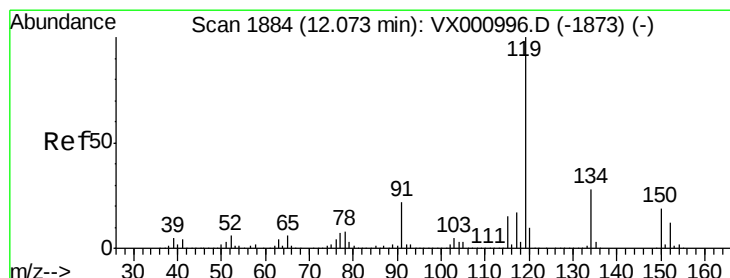
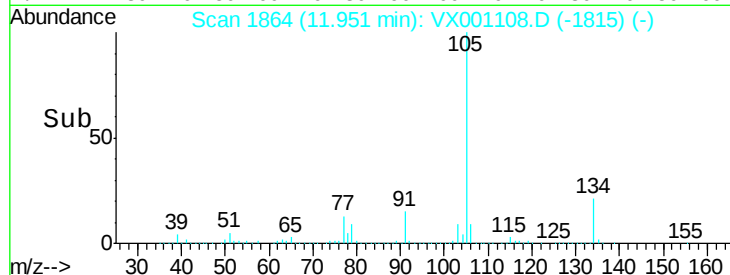
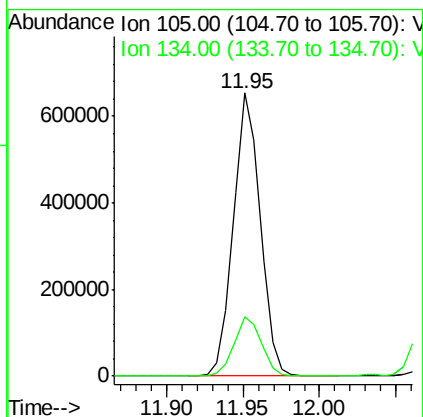
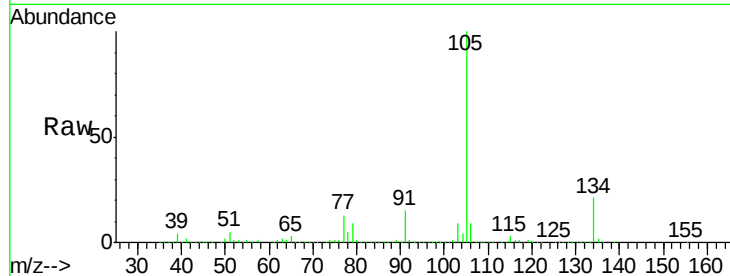




#85
 sec-Butylbenzene
 Concen: 51.66 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

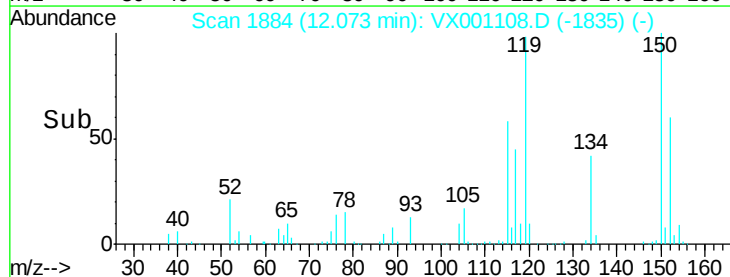
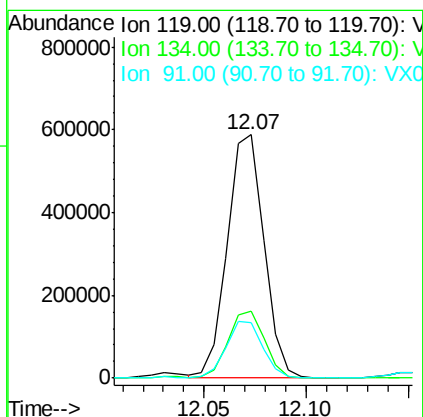
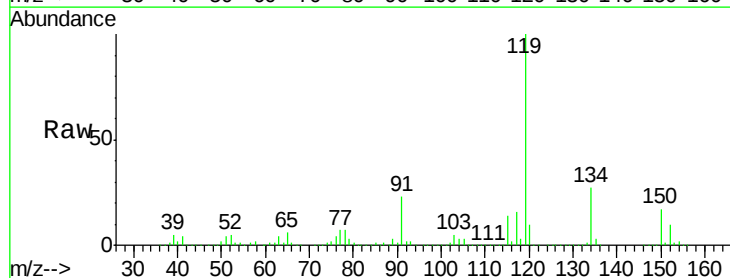
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

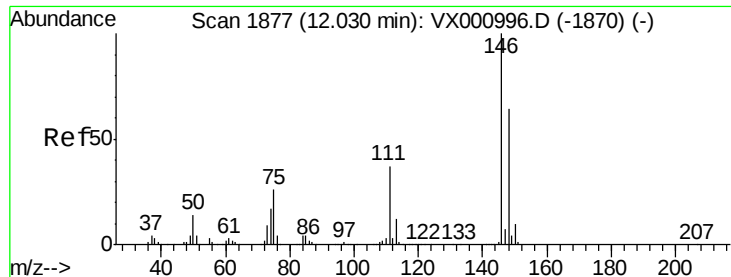
Tgt Ion:105 Resp: 795714
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 51.33 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion:119 Resp: 731453
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.5
 91 23.1 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 54.77 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

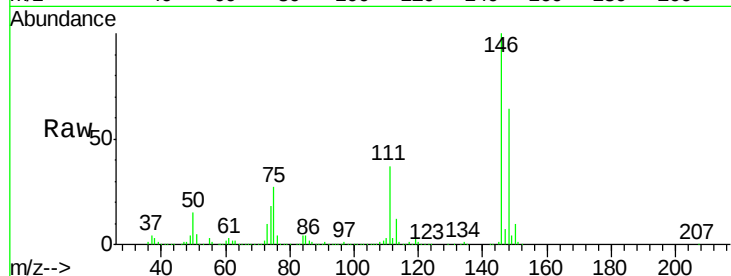
Tgt Ion:146 Resp: 449118

Ion Ratio Lower Upper

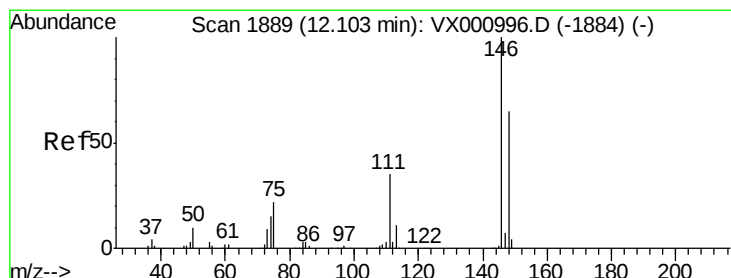
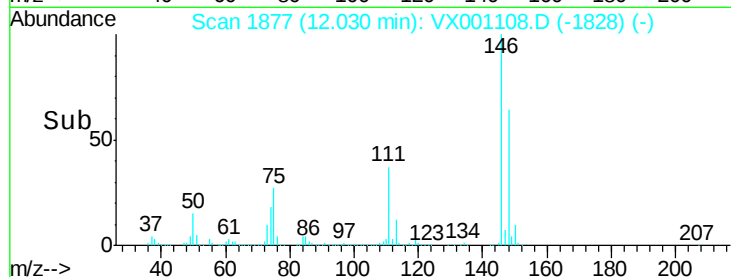
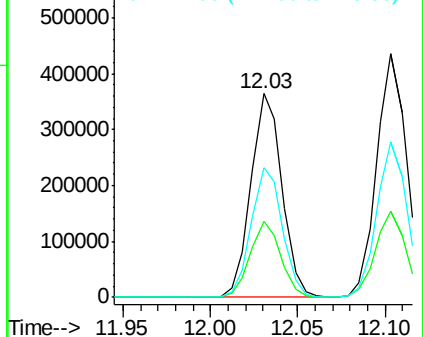
146 100

111 36.5 18.3 54.8

148 63.8 32.2 96.6



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: 61.87 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

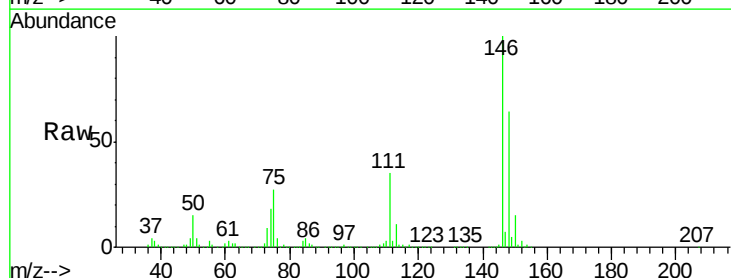
Tgt Ion:146 Resp: 520732

Ion Ratio Lower Upper

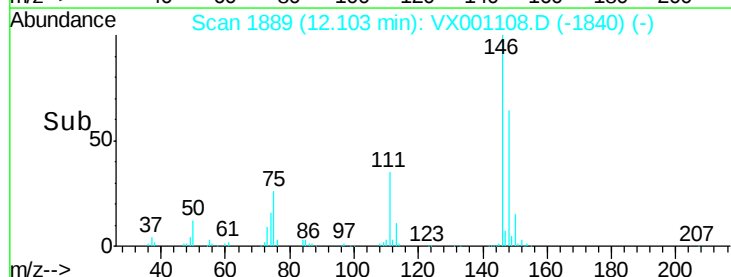
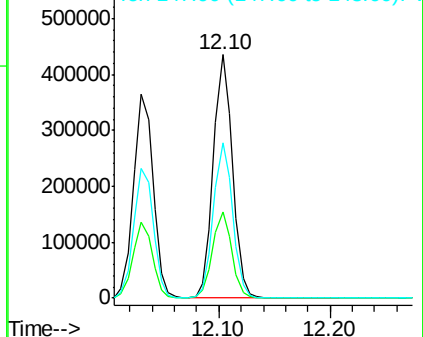
146 100

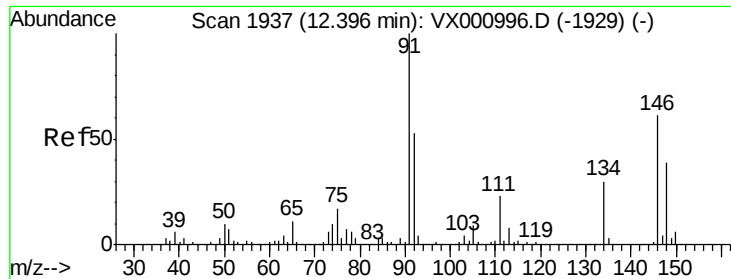
111 35.6 18.0 54.0

148 64.2 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: 49.94 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

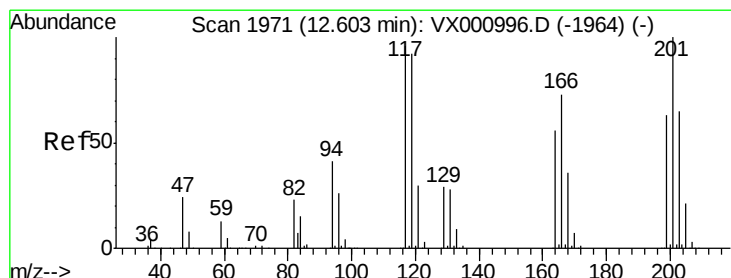
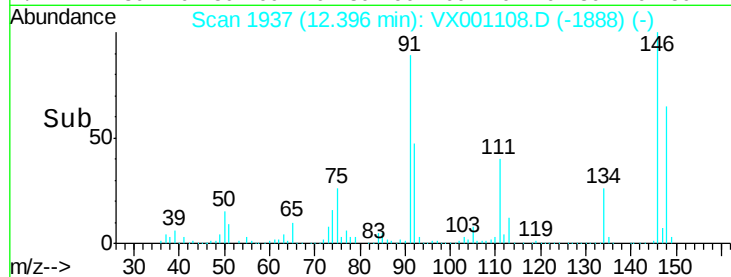
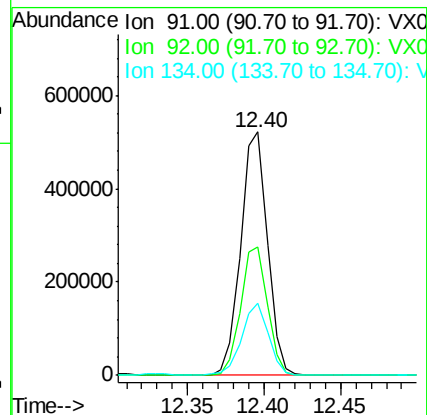
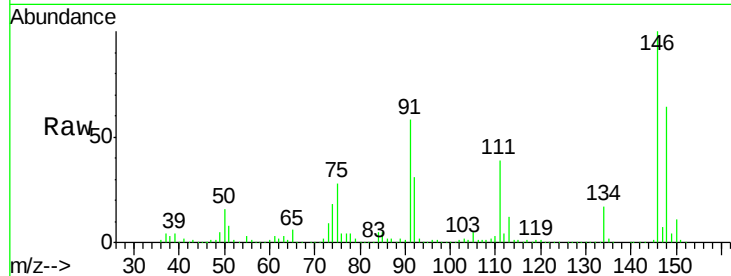
Tgt Ion: 91 Resp: 633135

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 29.6 14.4 43.0



#90

Hexachloroethane

Concen: 55.43 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001108.D

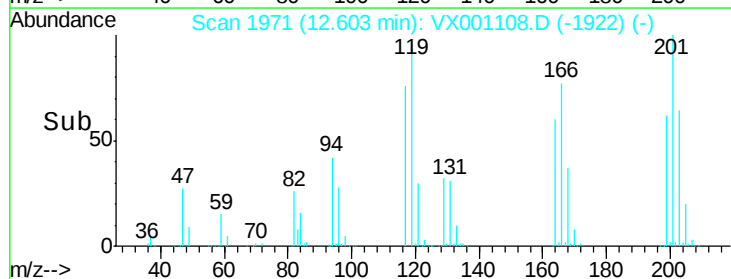
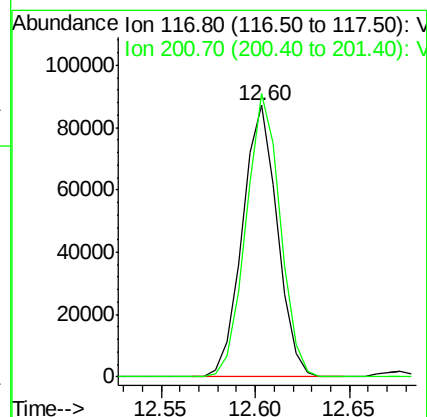
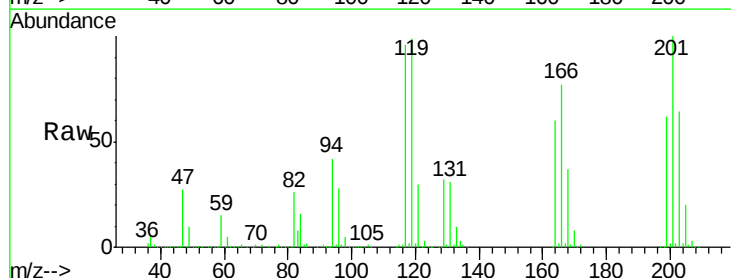
Acq: 25 Apr 2018 05:32

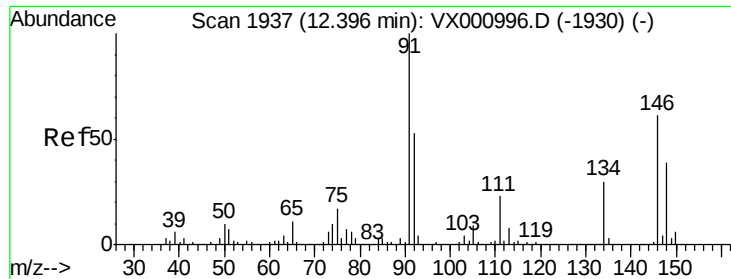
Tgt Ion: 117 Resp: 111913

Ion Ratio Lower Upper

117 100

201 101.8 52.3 157.1

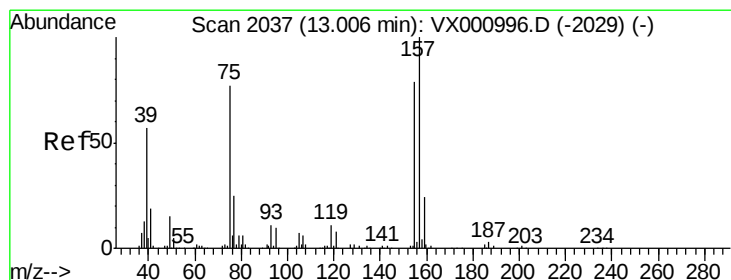
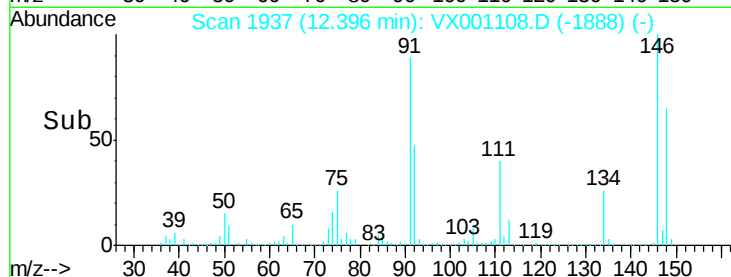
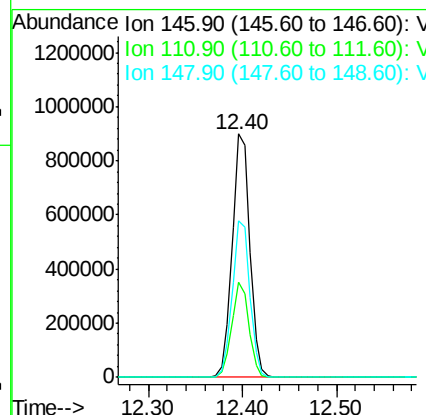
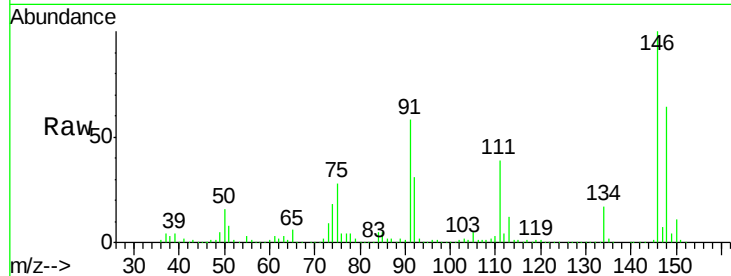




#91
 1,2-Dichlorobenzene
 Concen: 146.84 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

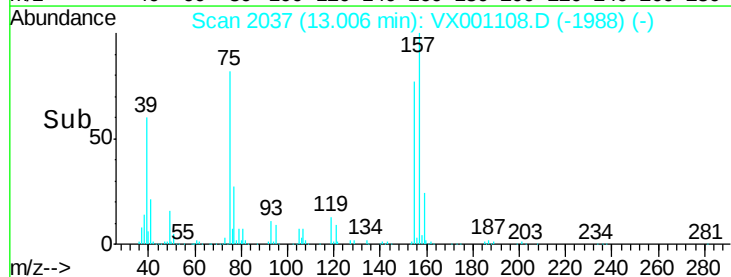
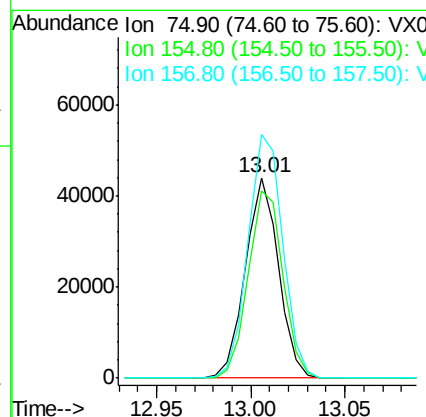
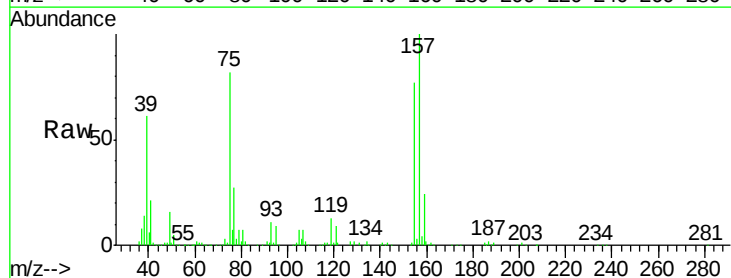
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

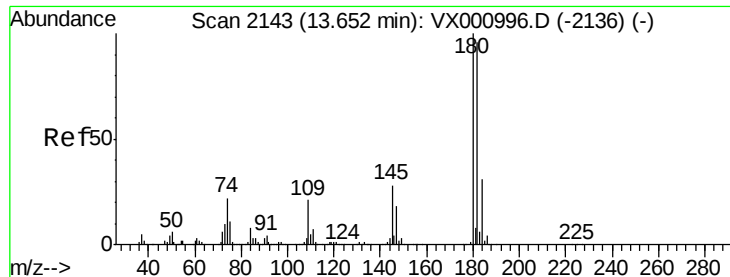
Tgt Ion:146 Resp: 1165715
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 56.0
 148 64.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.05 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion: 75 Resp: 53742
 Ion Ratio Lower Upper
 75 100
 155 97.5 51.0 153.0
 157 127.4 64.9 194.7

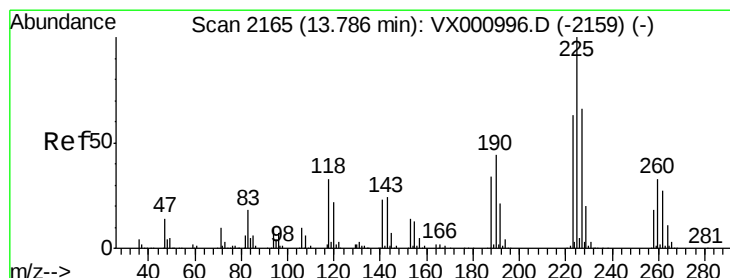
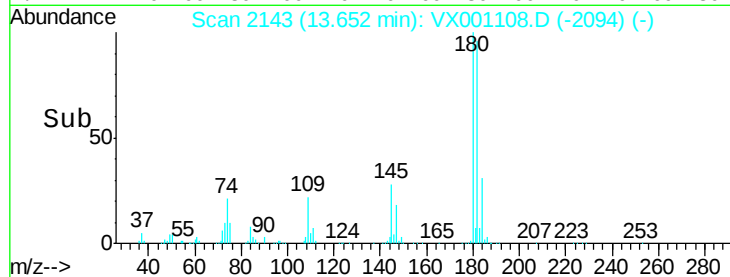
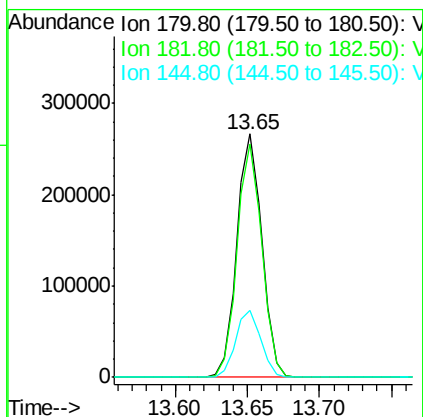
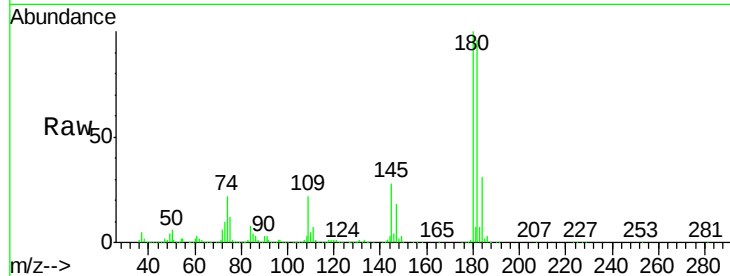




#93
 1,2,4-Trichlorobenzene
 Concen: 48.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

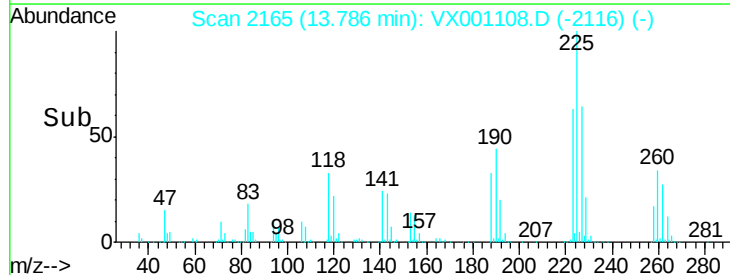
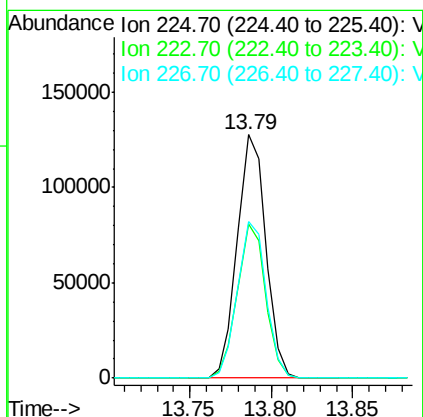
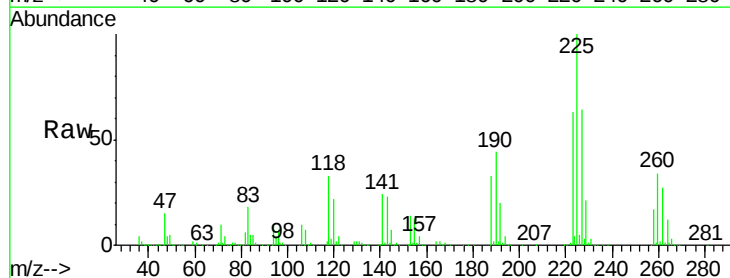
Instrument :
 MSVOA_X
 ClientSampleId :
 LF001MW001-180418MSD

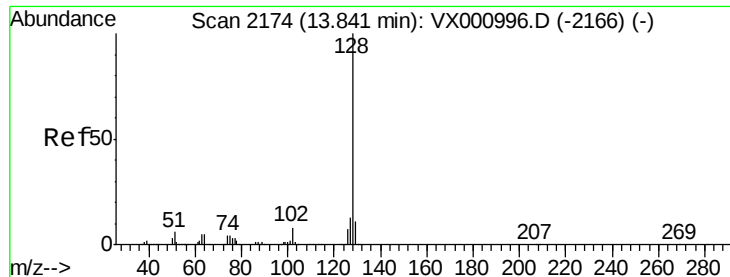
Tgt Ion:180 Resp: 322117
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.0
 145 27.9 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 52.05 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001108.D
 Acq: 25 Apr 2018 05:32

Tgt Ion:225 Resp: 156955
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.5 94.5
 227 64.0 32.6 97.8





#95

Naphthalene

Concen: 71.56 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

Instrument :

MSVOA_X

ClientSampleId :

LF001MW001-180418MSD

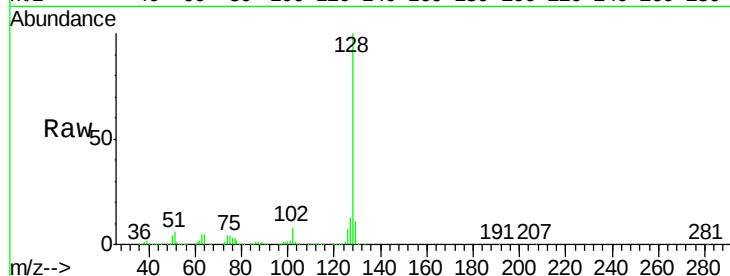
Tgt Ion:128 Resp: 1172860

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

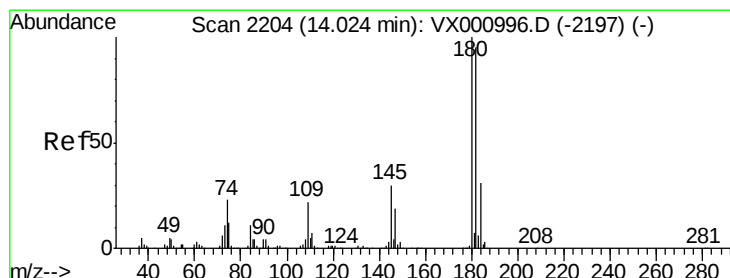
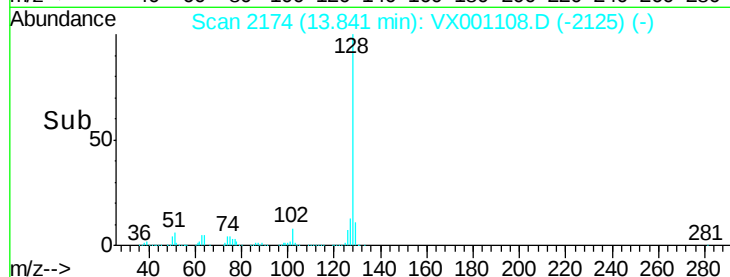
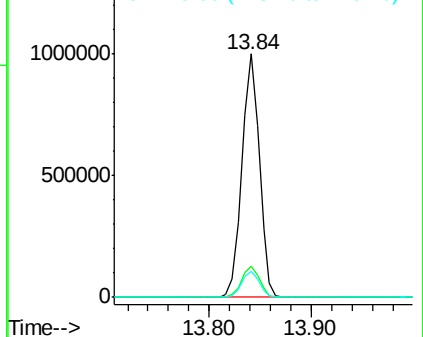
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.48 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001108.D

Acq: 25 Apr 2018 05:32

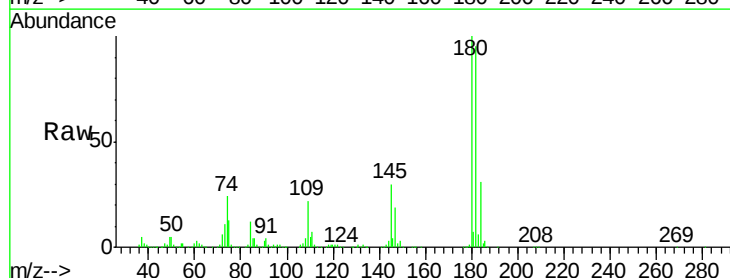
Tgt Ion:180 Resp: 325362

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 29.0 14.5 43.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

