

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003902.D
 Acq On : 08 Aug 2018 01:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 04:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	484845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	463352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	259769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	217943	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	5.50	113	181986	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.72	98	708364	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	262310	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	168362	50.61	ug/l	100
3) Chloromethane	1.32	50	212095	46.87	ug/l	100
4) Vinyl Chloride	1.40	62	221802	49.14	ug/l	99
5) Bromomethane	1.64	94	124462	52.99	ug/l	100
6) Chloroethane	1.72	64	167170	57.89	ug/l	97
7) Trichlorofluoromethane	1.92	101	295770	49.64	ug/l	99
8) Diethyl Ether	2.19	74	132177	49.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	180550	48.48	ug/l	99
10) Methyl Iodide	2.51	142	219310	47.33	ug/l	99
11) Tert butyl alcohol	3.08	59	231533	221.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	173133	49.14	ug/l	99
13) Acrolein	2.29	56	112185	207.60	ug/l	99
14) Allyl chloride	2.73	41	327224	48.18	ug/l	100
15) Acrylonitrile	3.15	53	612644	245.56	ug/l	100
16) Acetone	2.45	43	612070	236.45	ug/l	99
17) Carbon Disulfide	2.57	76	472621	47.36	ug/l	99
18) Methyl Acetate	2.78	43	283656	50.33	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	622189	49.84	ug/l	100
20) Methylene Chloride	2.86	84	205417	50.37	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	190524	47.64	ug/l	97
22) Diisopropyl ether	3.87	45	616307	49.37	ug/l	99
23) Vinyl Acetate	3.82	43	2588721	249.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	371760	50.13	ug/l	100
25) 2-Butanone	4.71	43	955895	245.61	ug/l	98
26) 2,2-Dichloropropane	4.58	77	180552	33.76	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	213009	49.08	ug/l	95
28) Bromochloromethane	5.02	49	160121	50.46	ug/l	100
29) Tetrahydrofuran	5.17	42	492083	246.00	ug/l	100
30) Chloroform	5.21	83	353699	50.66	ug/l	98
31) Cyclohexane	5.57	56	313983	50.07	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	299339	51.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	265852	48.96	ug/l	99
37) Ethyl Acetate	4.87	43	293775	49.18	ug/l	100
38) Carbon Tetrachloride	5.78	117	259134	50.14	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	314865	49.18	ug/l	99
40) Benzene	6.15	78	814249	49.94	ug/l	100
41) Methacrylonitrile	5.06	41	162666	49.45	ug/l	99
42) 1,2-Dichloroethane	6.20	62	277797	50.38	ug/l	100
43) Isopropyl Acetate	6.47	43	449290	49.98	ug/l	100
44) Trichloroethene	7.21	130	214999	48.21	ug/l	94
45) 1,2-Dichloropropane	7.52	63	207614	49.31	ug/l	99
46) Dibromomethane	7.67	93	134338	49.14	ug/l	99
47) Bromodichloromethane	7.90	83	261432	50.76	ug/l	99
48) Methyl methacrylate	7.78	41	236347	51.72	ug/l	99
49) 1,4-Dioxane	7.76	88	96166	893.39	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1928777	258.86	ug/l	100
52) Toluene	8.79	92	526280	51.08	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	280603	48.21	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	305716	48.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	211488	50.23	ug/l	99
56) Ethyl methacrylate	9.18	69	321916	52.70	ug/l	100
57) 1,3-Dichloropropane	9.37	76	351643	49.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792849	263.95	ug/l	99
59) 2-Hexanone	9.50	43	1466126	263.24	ug/l	100
60) Dibromochloromethane	9.59	129	211086	53.77	ug/l	99
61) 1,2-Dibromoethane	9.68	107	220366	52.28	ug/l	100
64) Tetrachloroethene	9.34	164	210718	46.23	ug/l	93
65) Chlorobenzene	10.14	112	578012	47.94	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	205431	49.56	ug/l	99
67) Ethyl Benzene	10.26	91	990166	50.17	ug/l	99
68) m/p-Xylenes	10.36	106	770032	99.85	ug/l	98
69) o-Xylene	10.70	106	374920	51.50	ug/l	97
70) Styrene	10.71	104	630612	52.91	ug/l	98
71) Bromoform	10.86	173	163429	46.71	ug/l	99
73) Isopropylbenzene	11.02	105	996446	51.85	ug/l	96
74) N-amyl acetate	6.47	43	449290	44.96	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	330458	50.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	372422	64.91	ug/l	84
77) Bromobenzene	11.26	156	262327	51.17	ug/l	99
78) n-propylbenzene	11.36	91	1145549	53.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	681710	51.81	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	836104	53.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	86885	41.58	ug/l	99
82) 4-Chlorotoluene	11.51	91	793446	51.48	ug/l	100
83) tert-Butylbenzene	11.77	119	838153	54.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	863855	54.83	ug/l	99
85) sec-Butylbenzene	11.95	105	988258	54.32	ug/l	99
86) p-Isopropyltoluene	12.07	119	853017	52.25	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	460925	48.64	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	465134	51.20	ug/l	99
89) n-Butylbenzene	12.39	91	708685	49.82	ug/l	99
90) Hexachloroethane	12.60	117	122632	46.27	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	436863	46.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60137	44.57	ug/l	100

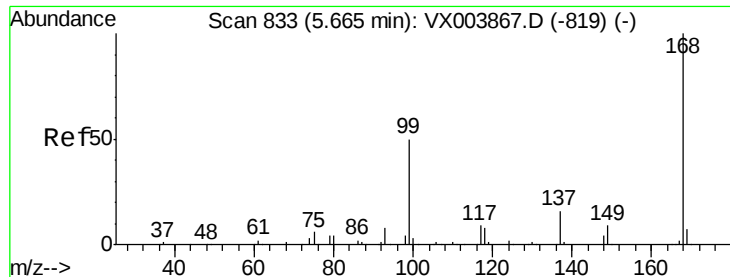
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335186	49.62	ug/l	98
94) Hexachlorobutadiene	13.79	225	154416	51.79	ug/l	99
95) Naphthalene	13.83	128	1087789	56.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	357756	53.07	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

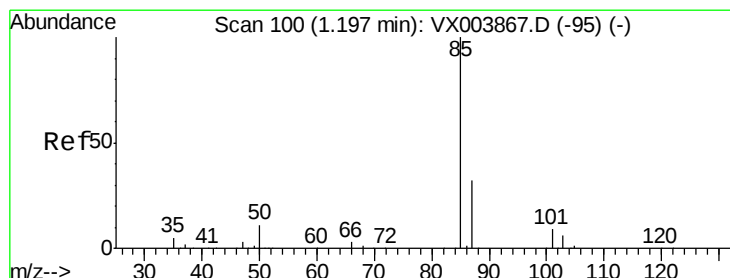
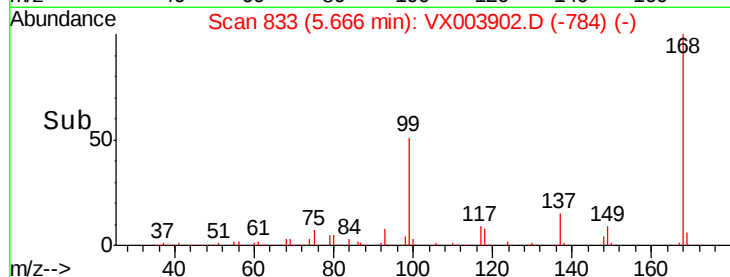
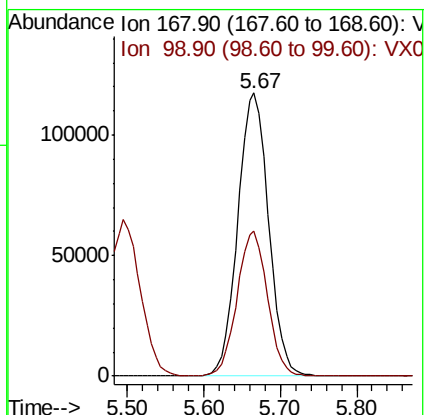
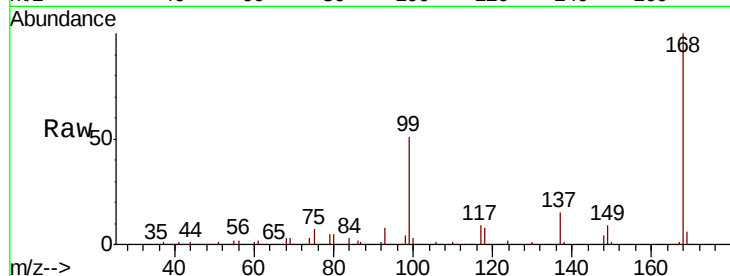
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 328238

Ion Ratio Lower Upper

168 100

99 51.1 40.1 60.1



#2

Dichlorodifluoromethane

Concen: 50.61 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003902.D

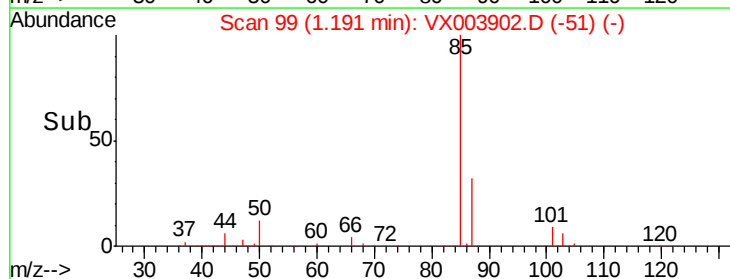
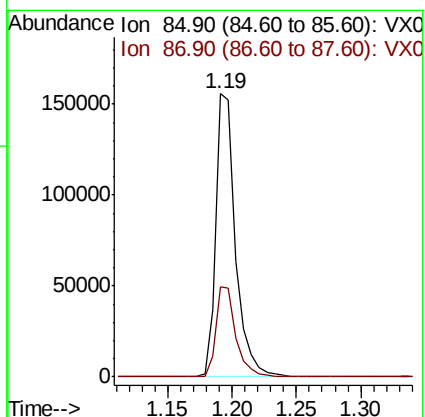
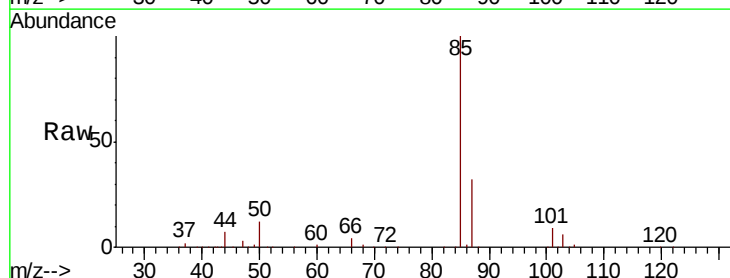
Acq: 08 Aug 2018 01:51

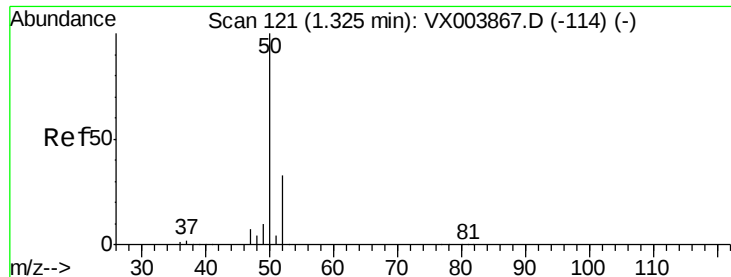
Tgt Ion: 85 Resp: 168362

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0





#3

Chloromethane

Concen: 46.87 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

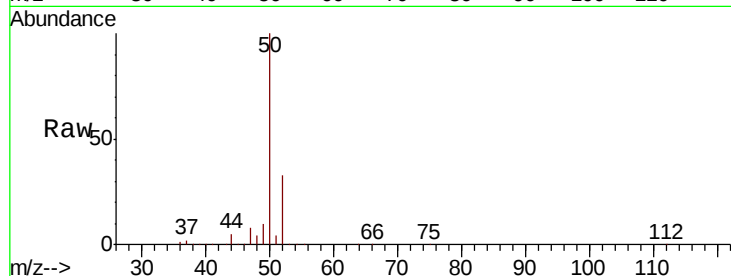
VSTDCCC050

Tot Ion: 50 Resp: 212095

Ion Ratio Lower Upper

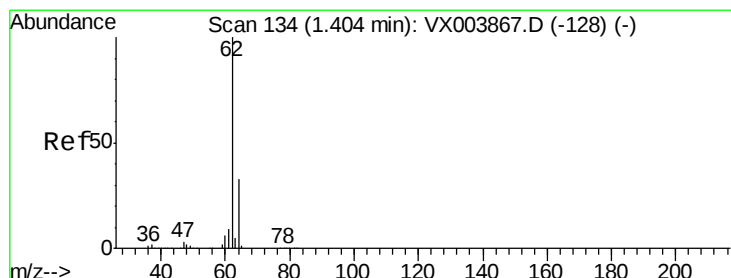
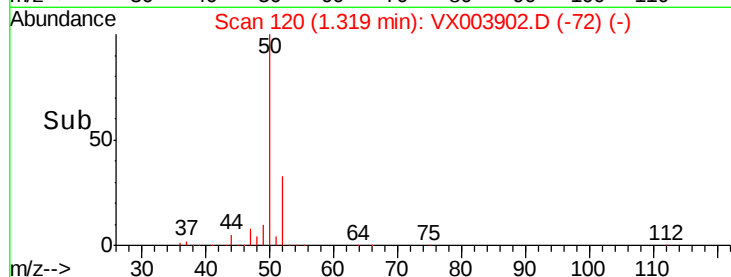
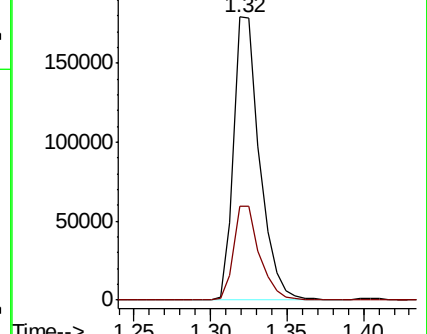
50 100

52 33.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003902.D

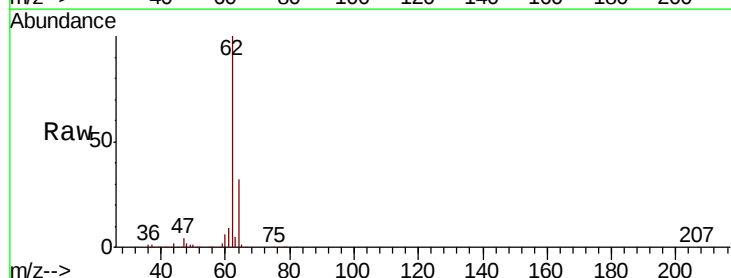
Acq: 08 Aug 2018 01:51

Tgt Ion: 62 Resp: 221802

Ion Ratio Lower Upper

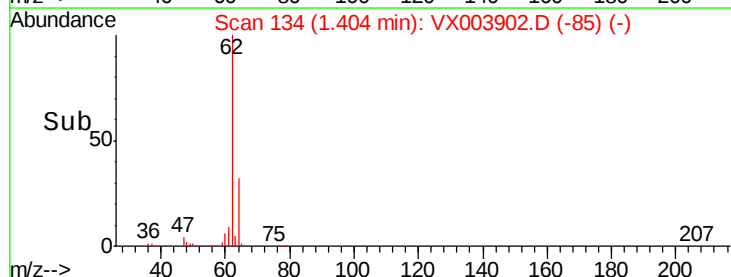
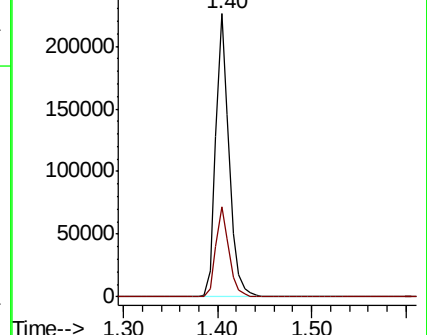
62 100

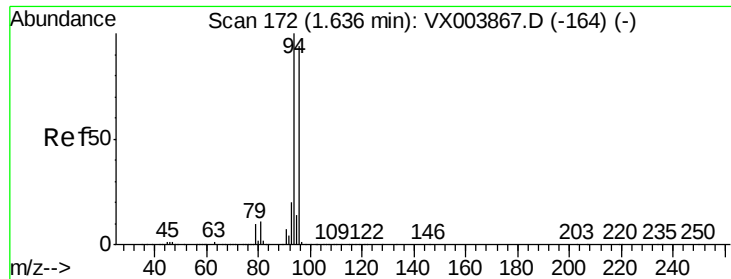
64 32.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.99 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

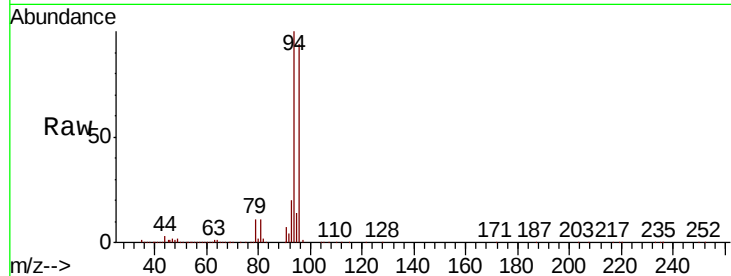
VSTDCCC050

Tot Ion: 94 Resp: 124462

Ion Ratio Lower Upper

94 100

96 93.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

100000

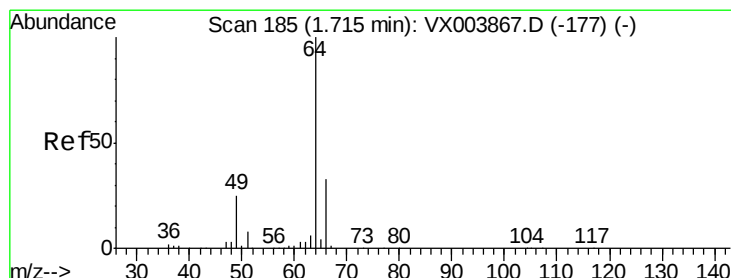
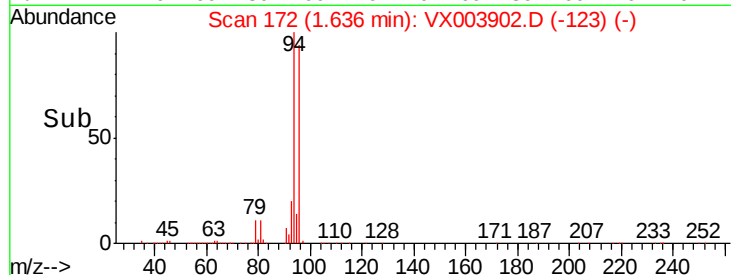
50000

0

1.64

1.50 1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 57.89 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003902.D

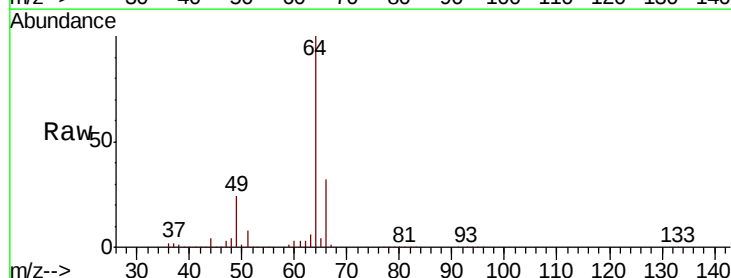
Acq: 08 Aug 2018 01:51

Tgt Ion: 64 Resp: 167170

Ion Ratio Lower Upper

64 100

66 31.5 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

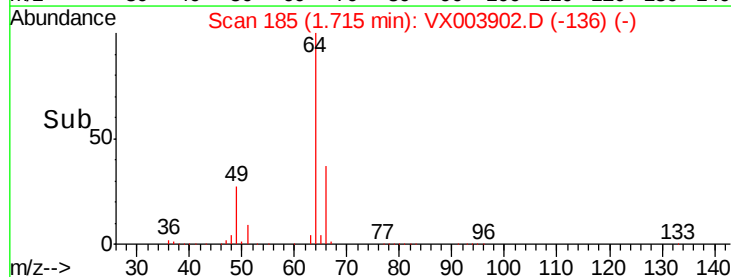
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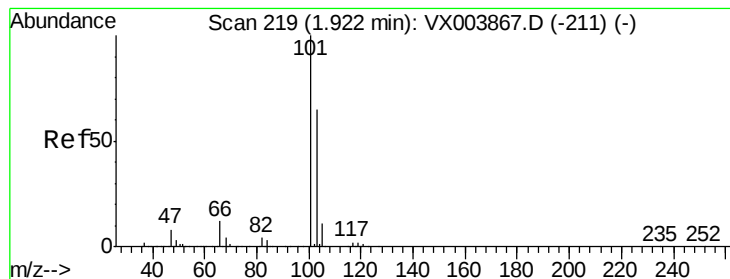
0

1.72

1.50 1.60 1.70 1.80

Time-->



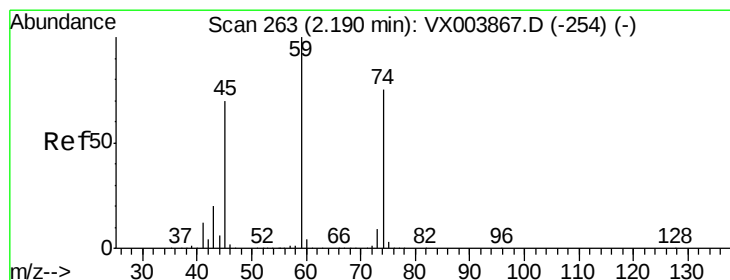
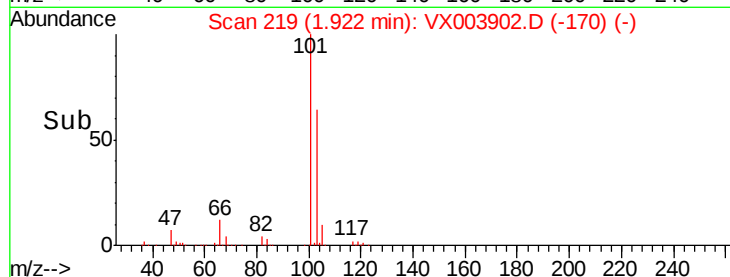
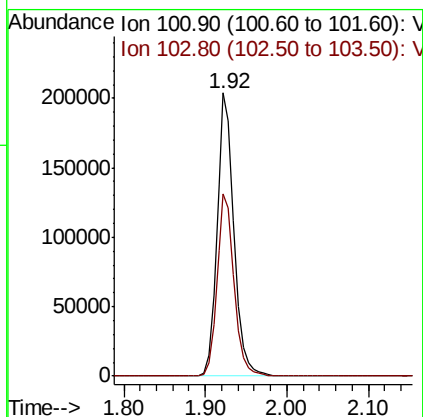
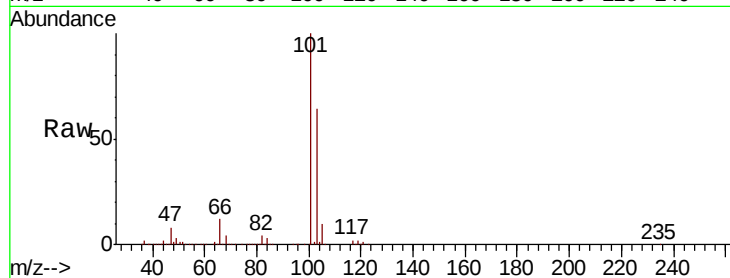


#7

Trichlorofluoromethane
 Concen: 49.64 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

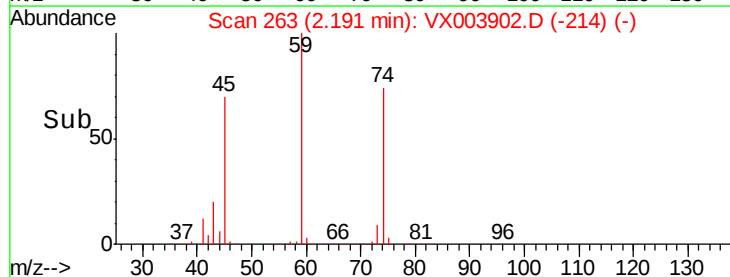
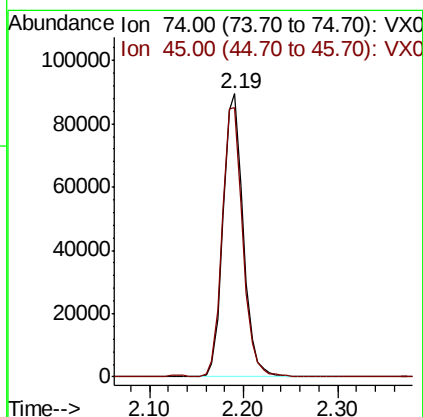
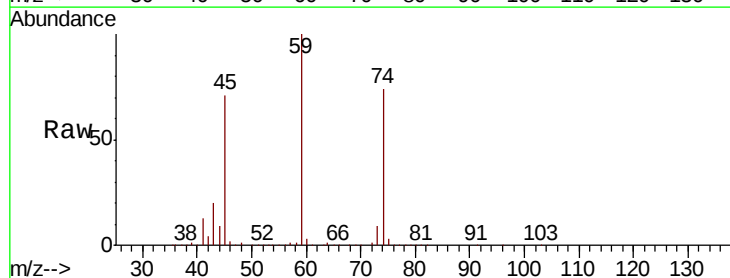
Tot Ion:101 Resp: 295770
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

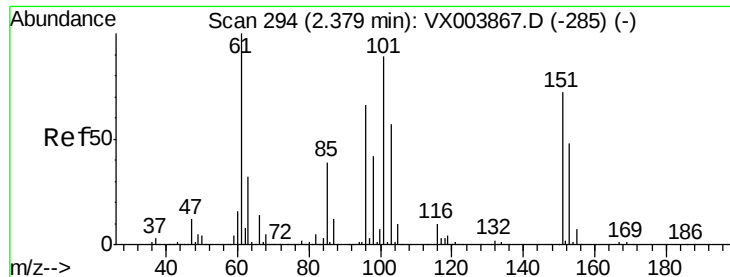


#8

Diethyl Ether
 Concen: 49.35 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 74 Resp: 132177
 Ion Ratio Lower Upper
 74 100
 45 96.6 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.48 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

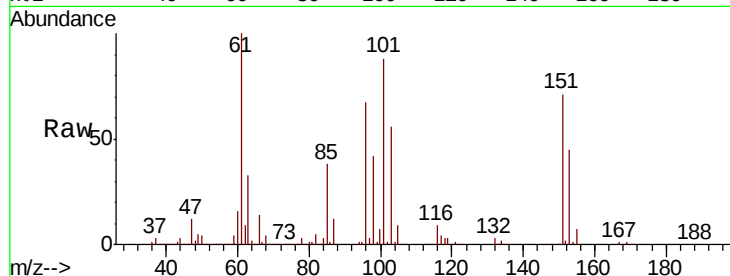
Tot Ion:101 Resp: 180550

Ion Ratio Lower Upper

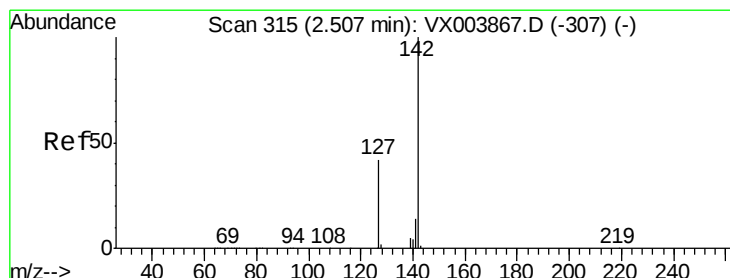
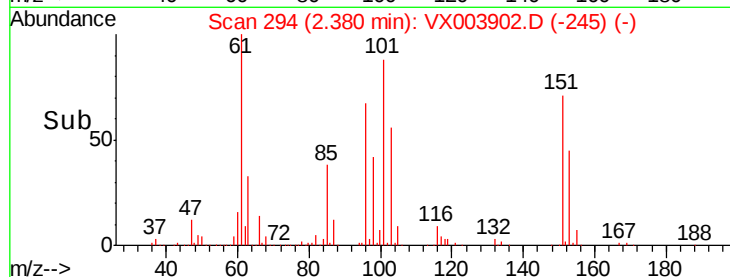
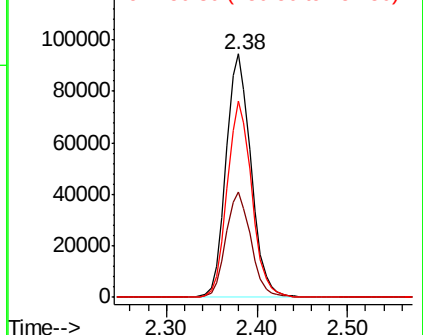
101 100

85 43.4 34.2 51.4

151 79.9 65.0 97.4



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: 47.33 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

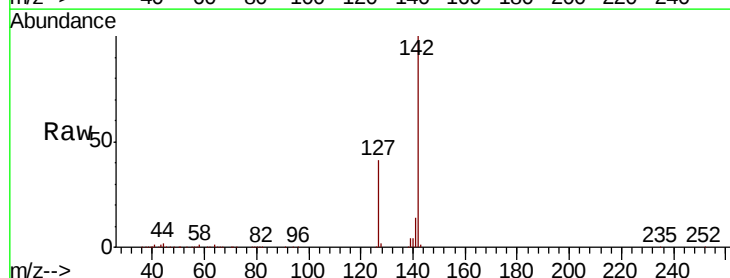
Tgt Ion:142 Resp: 219310

Ion Ratio Lower Upper

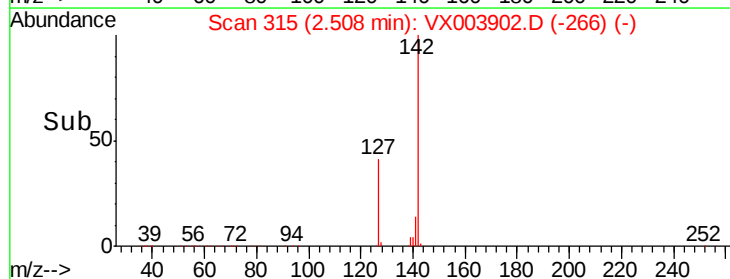
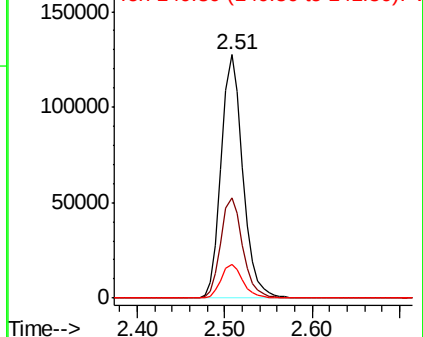
142 100

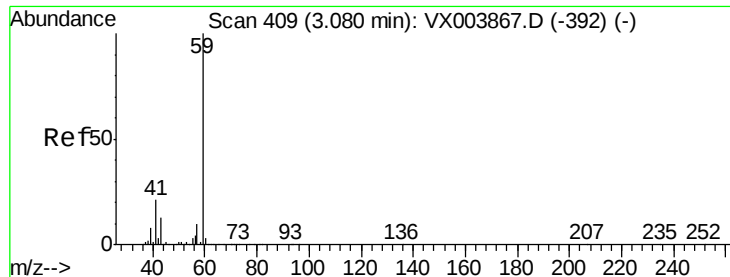
127 41.8 33.1 49.7

141 14.0 11.1 16.7



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



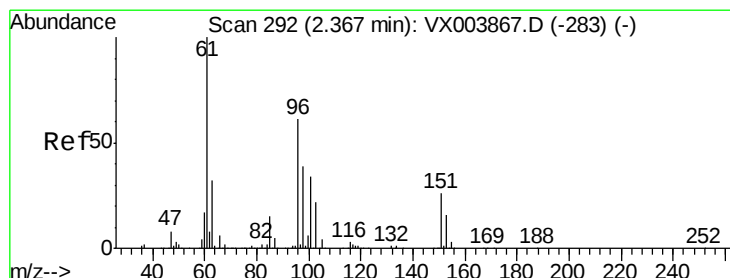
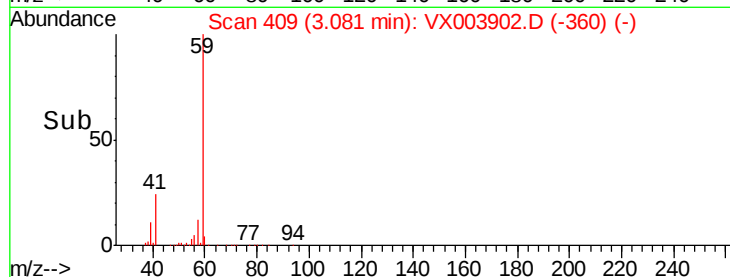
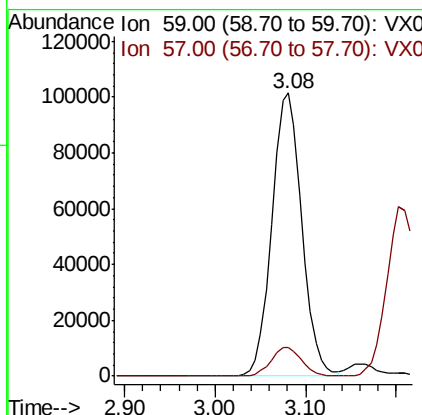
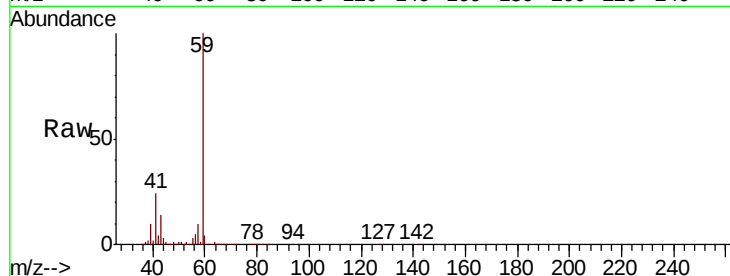


#11

Tert butyl alcohol
 Concen: 221.45 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

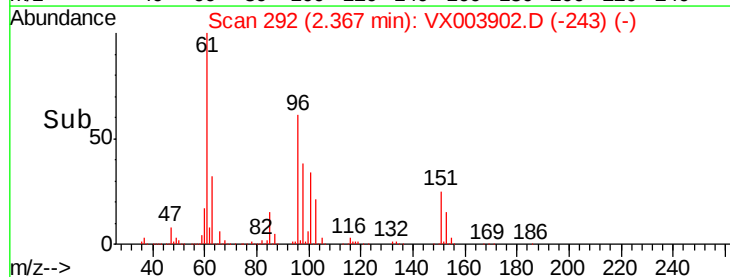
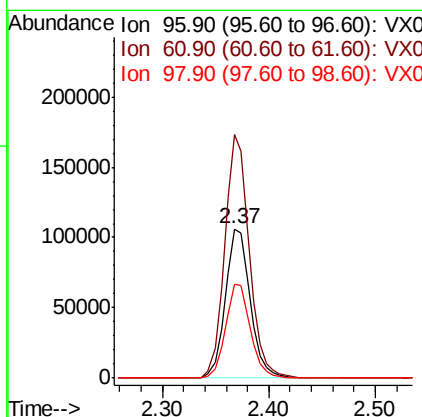
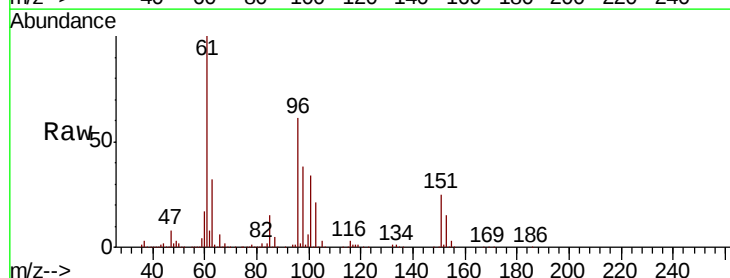
Tot Ion: 59 Resp: 231533
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

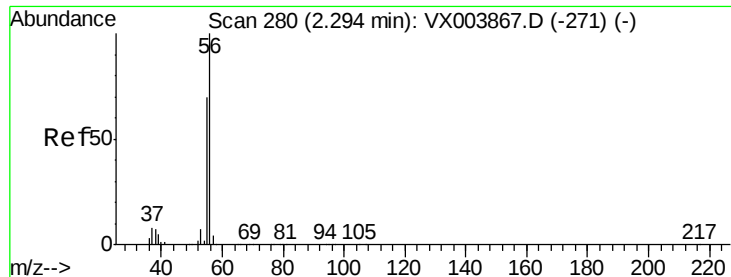


#12

1,1-Dichloroethene
 Concen: 49.14 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 96 Resp: 173133
 Ion Ratio Lower Upper
 96 100
 61 163.2 131.3 196.9
 98 62.6 51.8 77.6





#13

Acrolein

Concen: 207.60 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

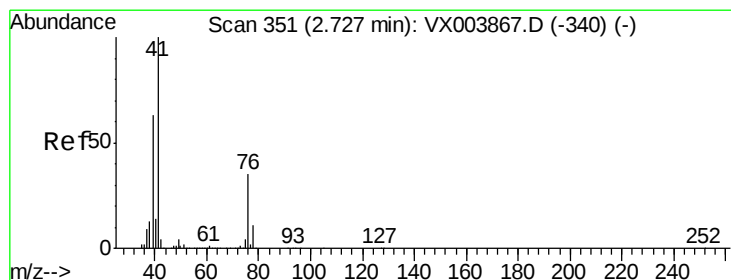
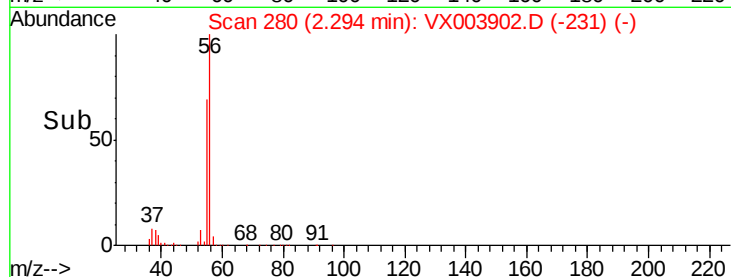
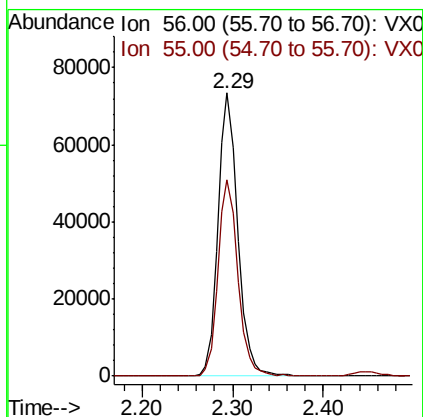
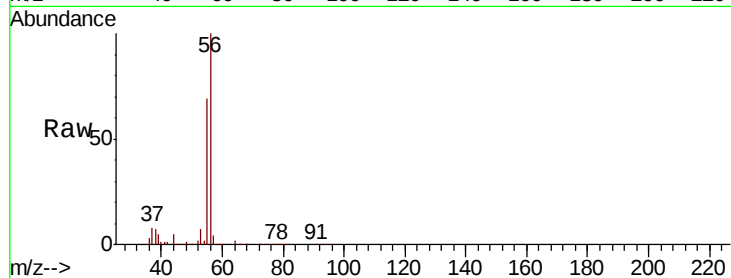
VSTDCCC050

Tot Ion: 56 Resp: 112185

Ion Ratio Lower Upper

56 100

55 69.4 56.1 84.1



#14

Allyl chloride

Concen: 48.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

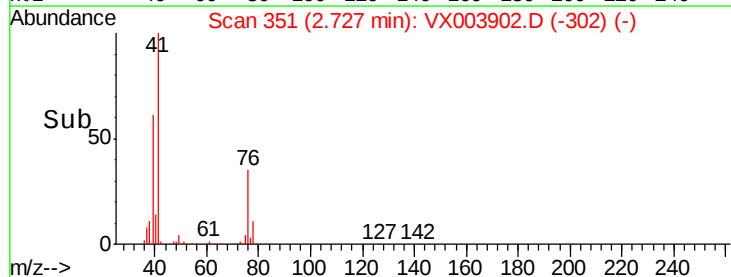
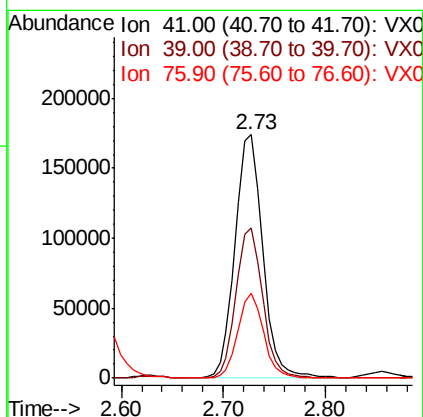
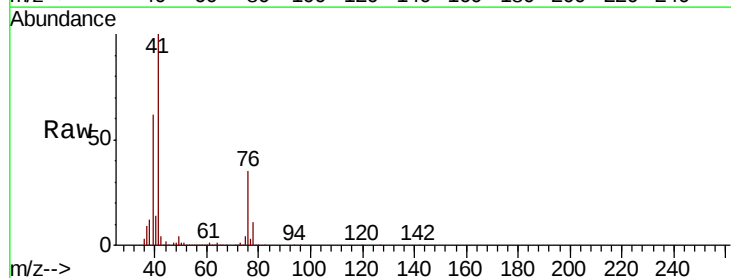
Tgt Ion: 41 Resp: 327224

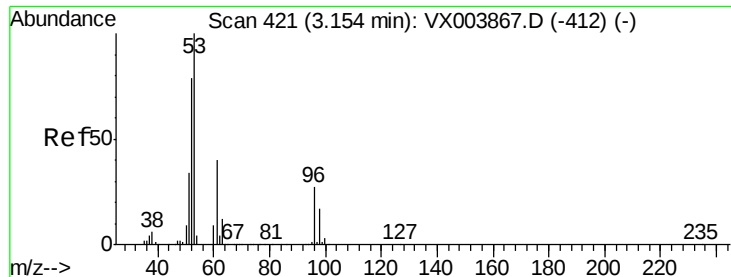
Ion Ratio Lower Upper

41 100

39 59.1 47.4 71.0

76 32.2 26.0 39.0





#15

Acrylonitrile

Concen: 245.56 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

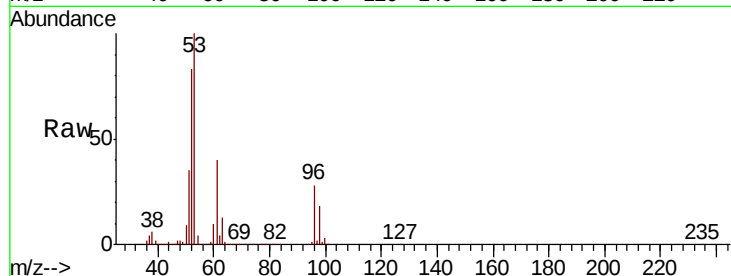
Tot Ion: 53 Resp: 612644

Ion Ratio Lower Upper

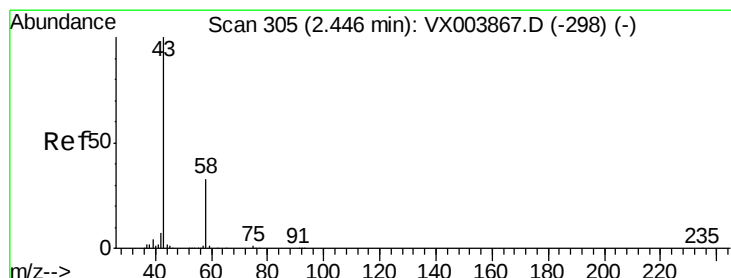
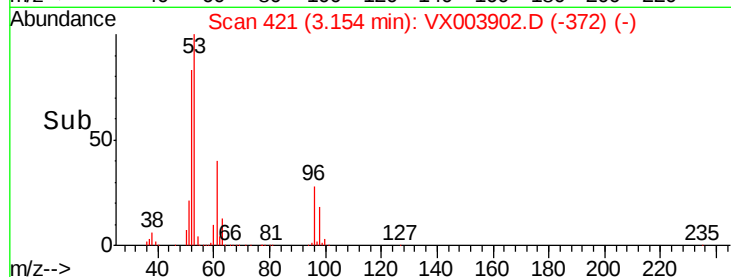
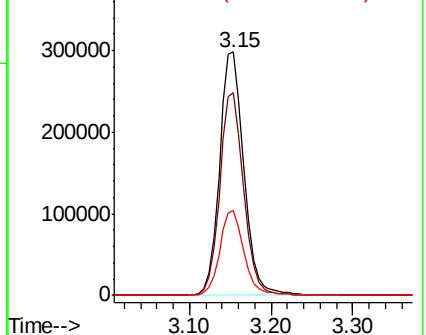
53 100

52 81.8 65.3 97.9

51 34.9 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 236.45 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003902.D

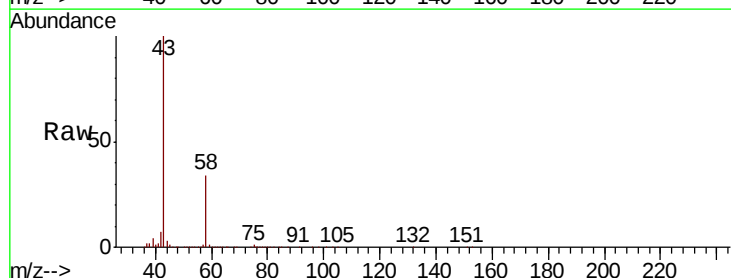
Acq: 08 Aug 2018 01:51

Tgt Ion: 43 Resp: 612070

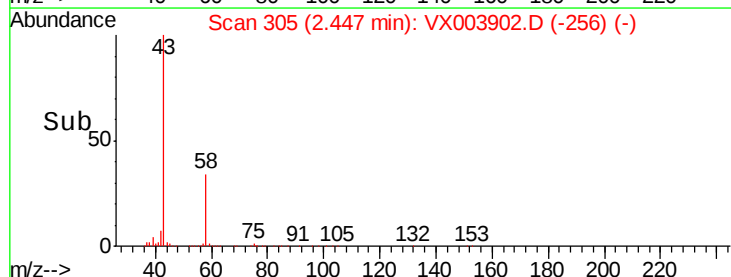
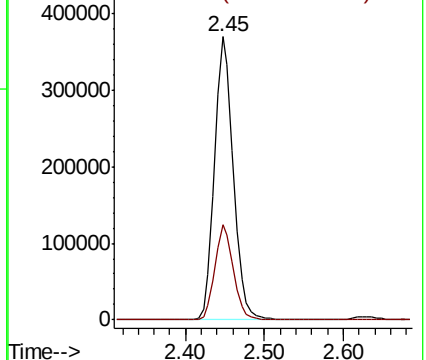
Ion Ratio Lower Upper

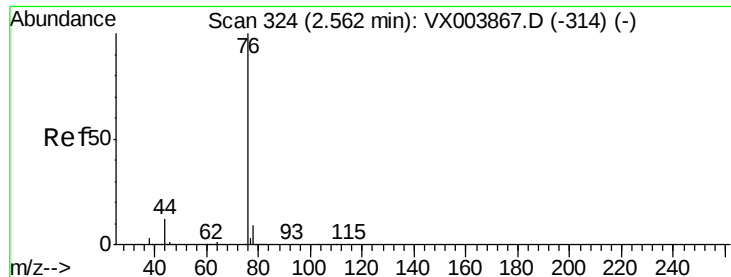
43 100

58 33.8 26.4 39.6



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

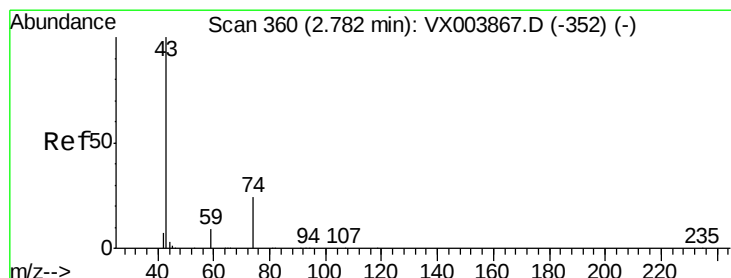
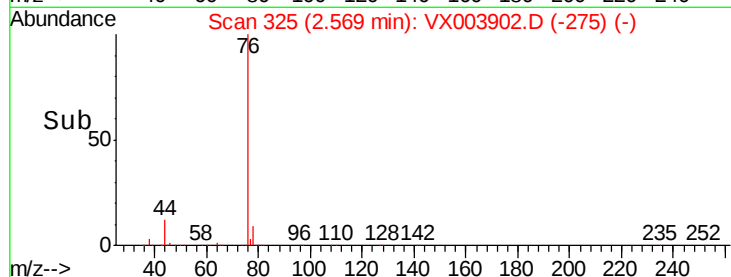
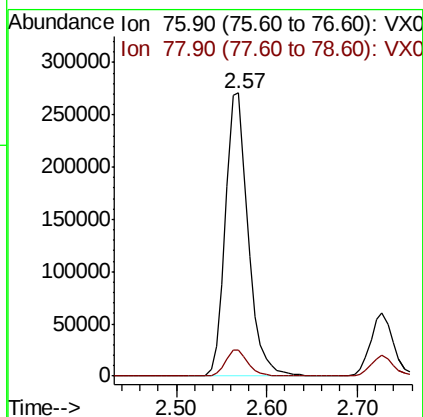
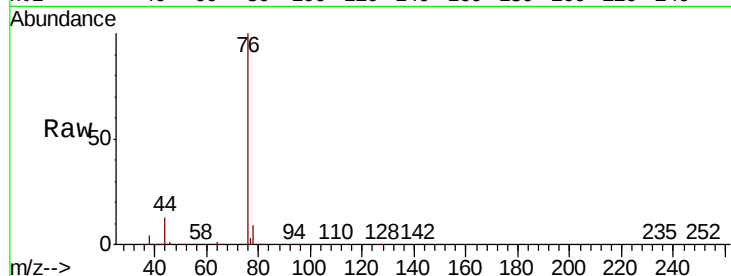




#17
Carbon Disulfide
Concen: 47.36 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

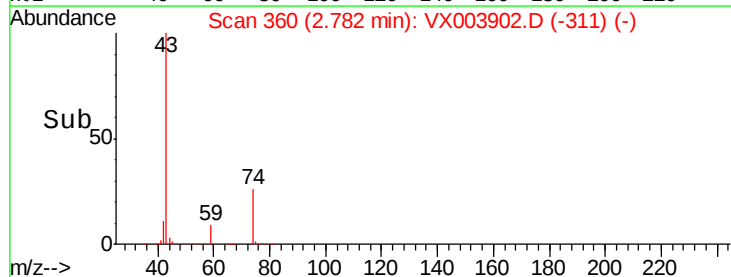
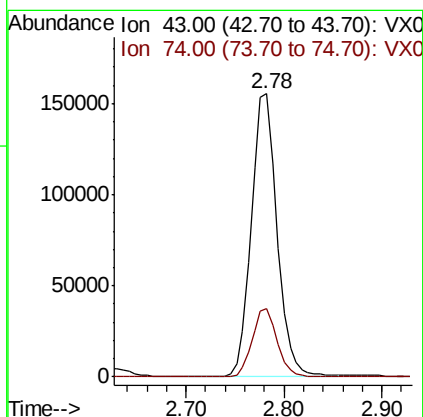
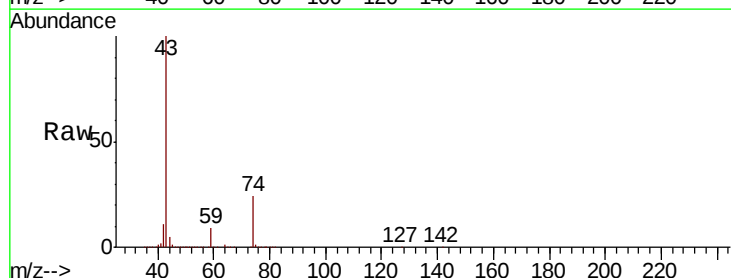
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

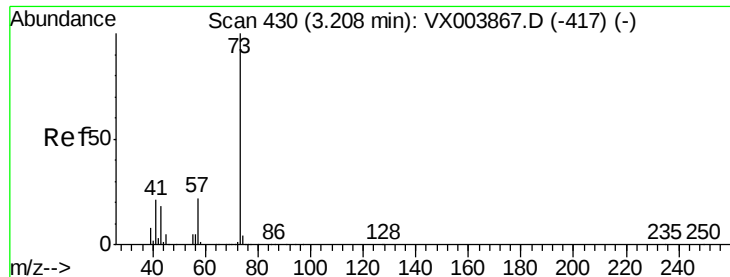
Tot Ion: 76 Resp: 472621
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 50.33 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion: 43 Resp: 283656
Ion Ratio Lower Upper
43 100
74 23.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.84 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

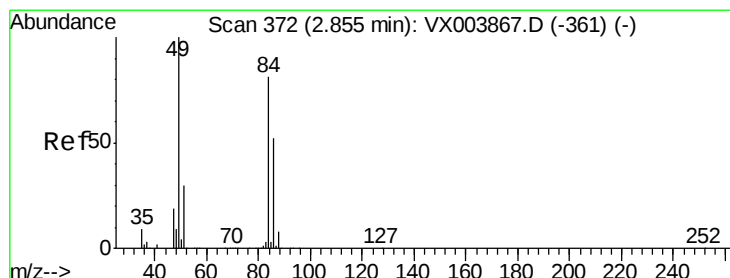
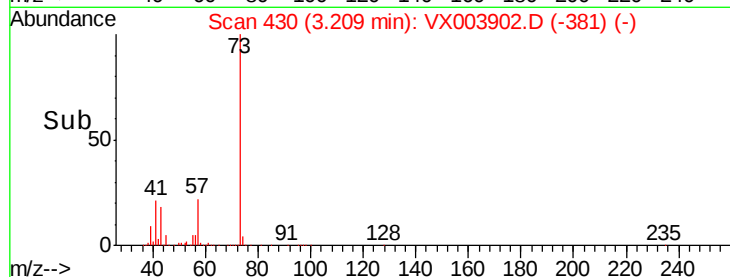
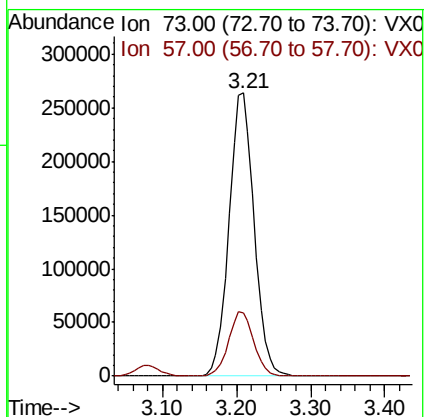
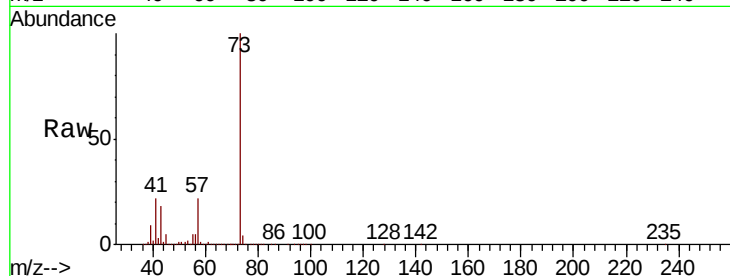
VSTDCCC050

Tot Ion: 73 Resp: 622189

Ion Ratio Lower Upper

73 100

57 22.4 18.0 27.0



#20

Methylene Chloride

Concen: 50.37 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Tgt Ion: 84 Resp: 205417

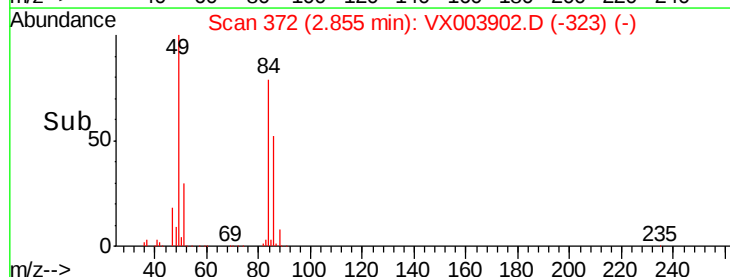
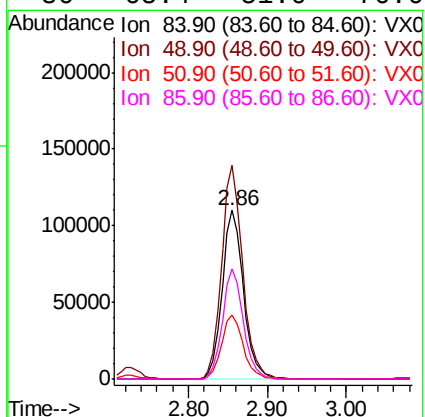
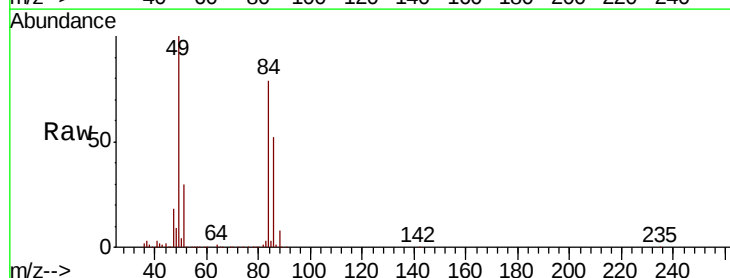
Ion Ratio Lower Upper

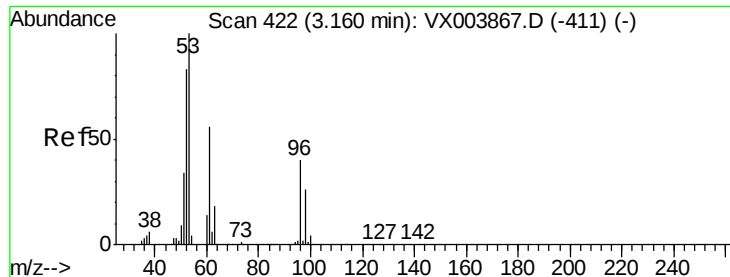
84 100

49 126.8 98.9 148.3

51 38.0 29.9 44.9

86 65.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.64 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

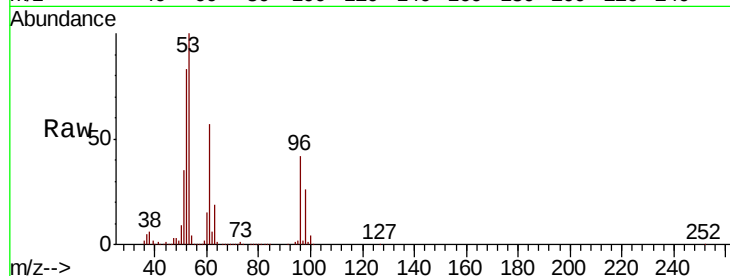
Tot Ion: 96 Resp: 190524

Ion Ratio Lower Upper

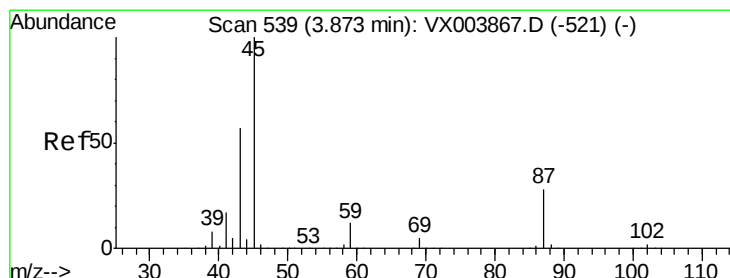
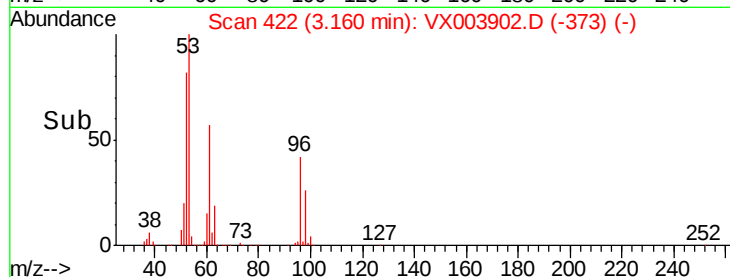
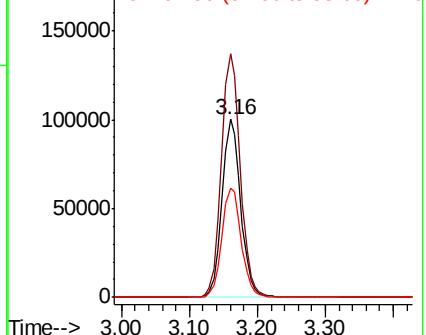
96 100

61 136.8 111.8 167.6

98 61.5 51.8 77.6



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



#22

Diisopropyl ether

Concen: 49.37 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Tgt Ion: 45 Resp: 616307

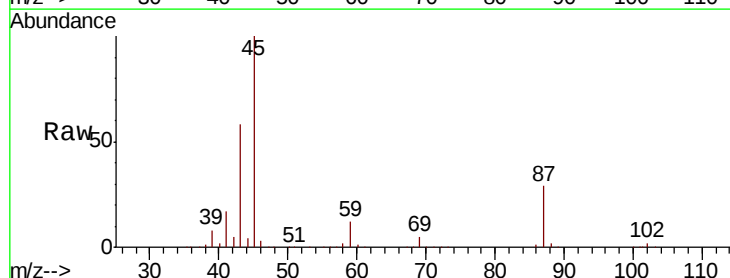
Ion Ratio Lower Upper

45 100

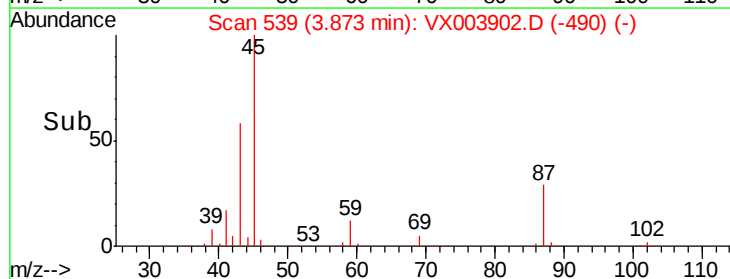
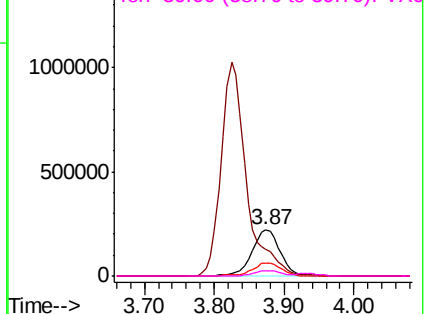
43 58.0 45.3 67.9

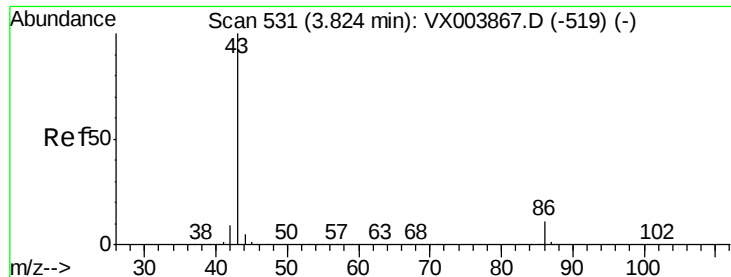
87 28.9 22.7 34.1

59 11.9 9.6 14.4



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

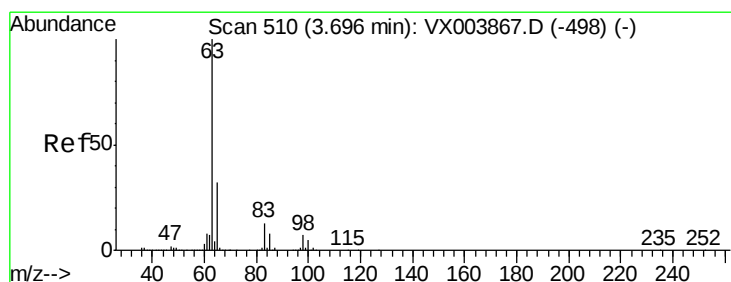
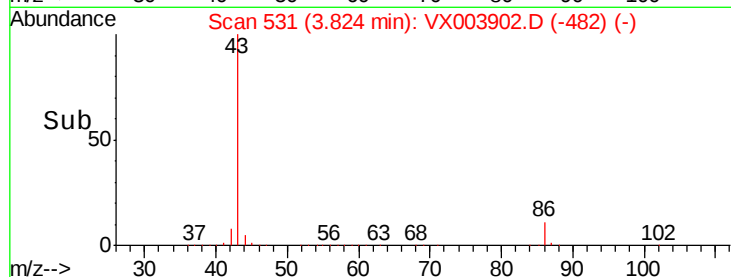
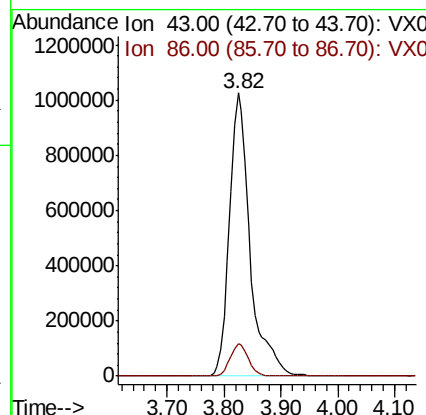
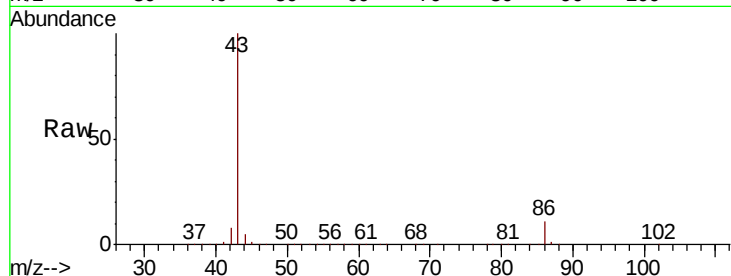




#23
 Vinyl Acetate
 Concen: 249.23 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

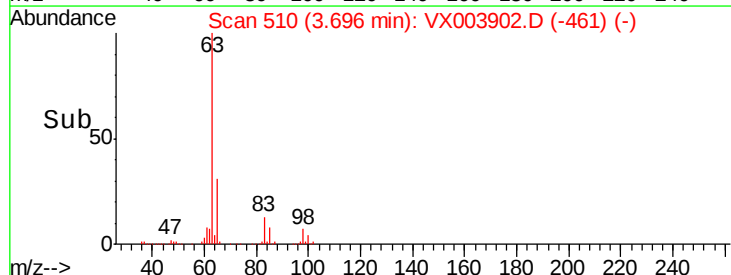
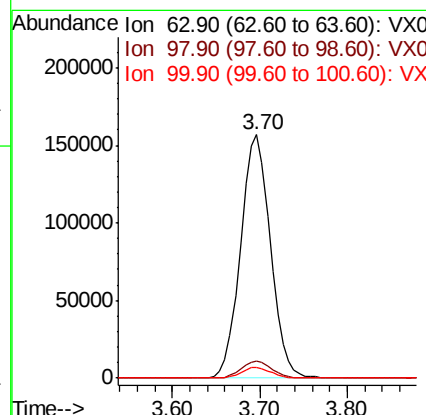
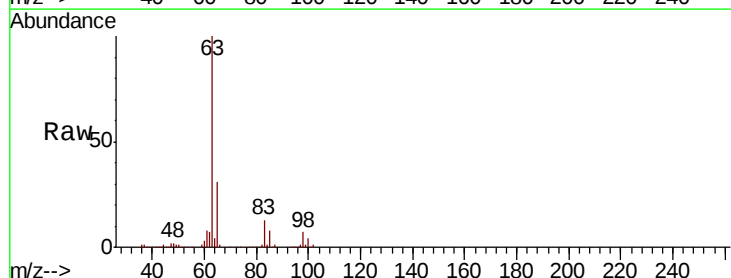
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

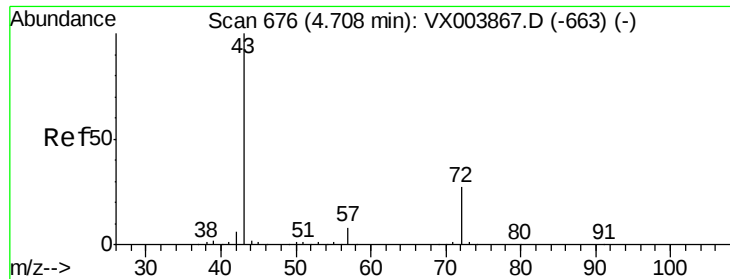
Tot Ion: 43 Resp: 2588721
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.13 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 63 Resp: 371760
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.3 2.3 6.8





#25

2-Butanone

Concen: 245.61 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

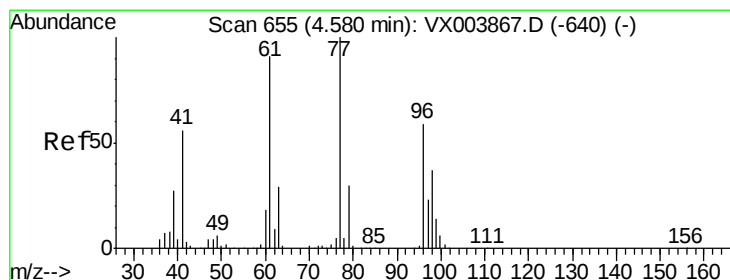
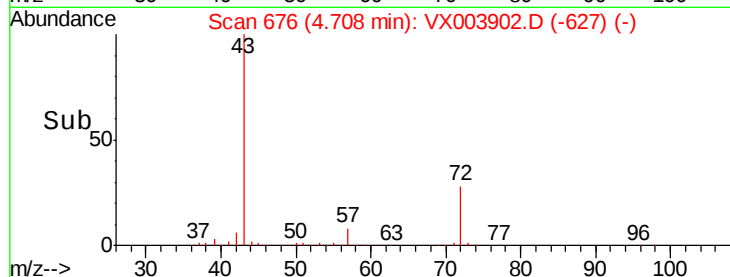
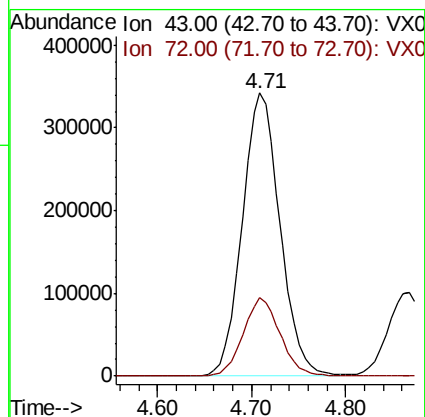
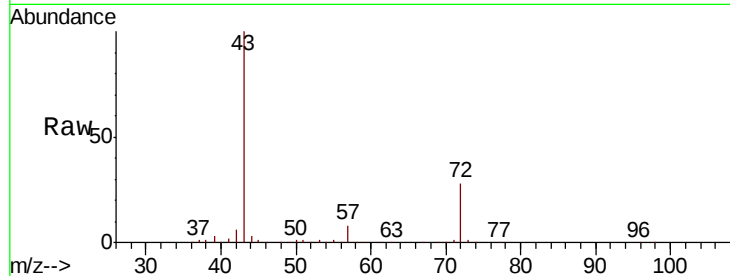
VSTDCCC050

Tot Ion: 43 Resp: 955895

Ion Ratio Lower Upper

43 100

72 27.5 21.4 32.0



#26

2,2-Dichloropropane

Concen: 33.76 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003902.D

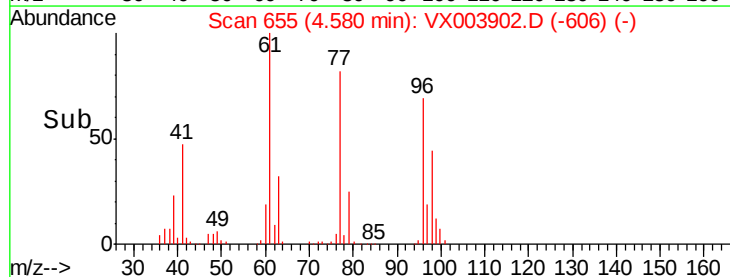
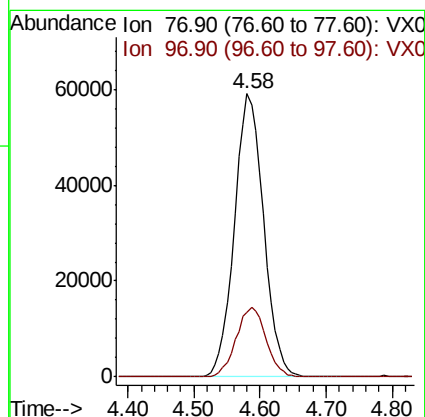
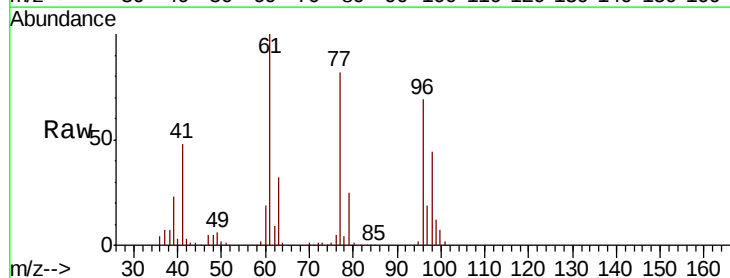
Acq: 08 Aug 2018 01:51

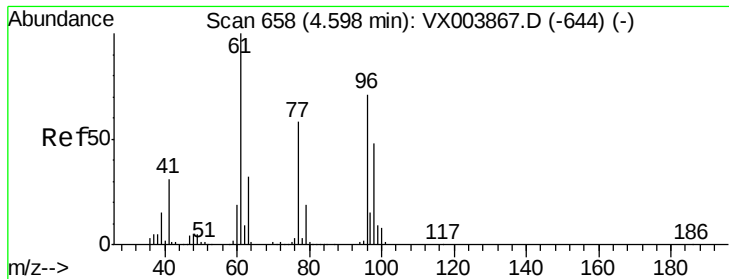
Tgt Ion: 77 Resp: 180552

Ion Ratio Lower Upper

77 100

97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.08 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

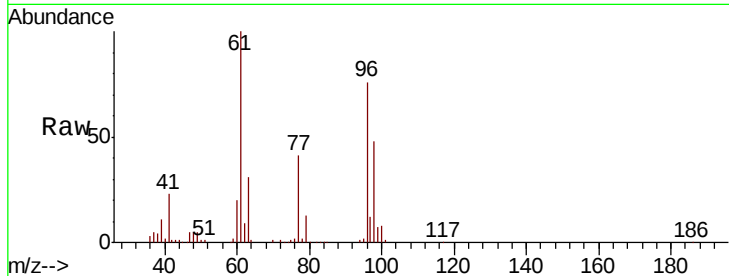
Tot Ion: 96 Resp: 213009

Ion Ratio Lower Upper

96 100

61 139.6 0.0 293.0

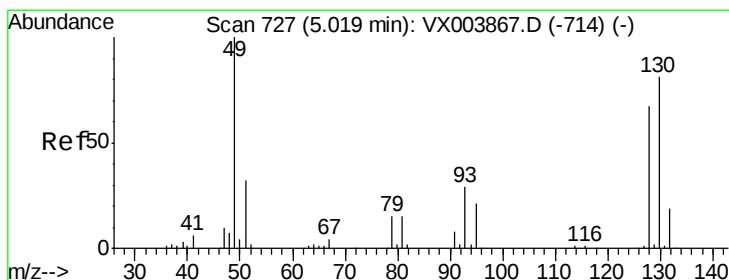
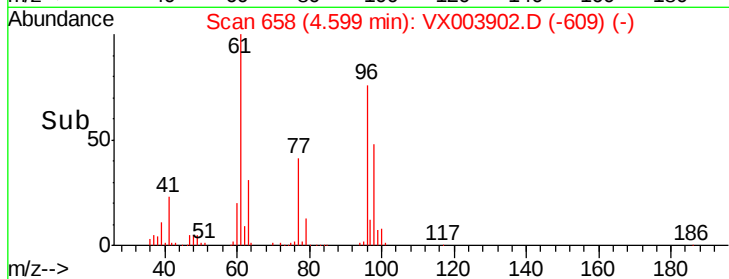
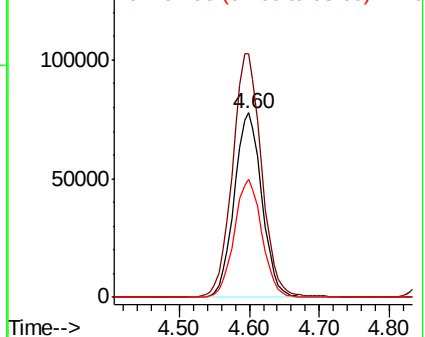
98 64.1 0.0 131.8



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



#28

Bromochloromethane

Concen: 50.46 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

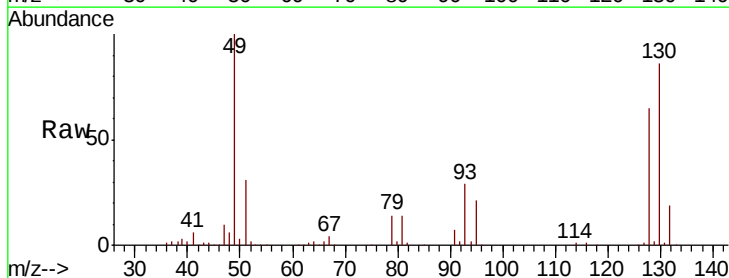
Tgt Ion: 49 Resp: 160121

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

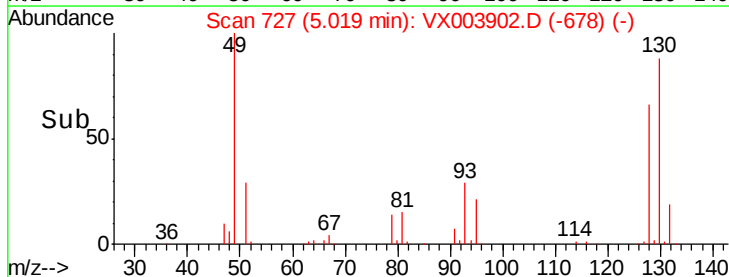
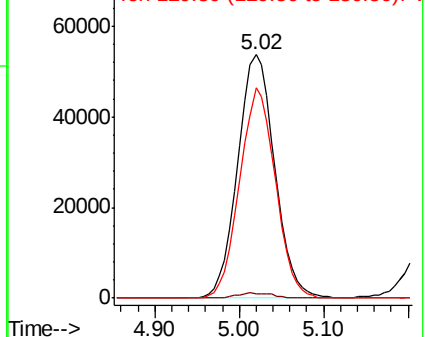
130 83.3 66.5 99.7

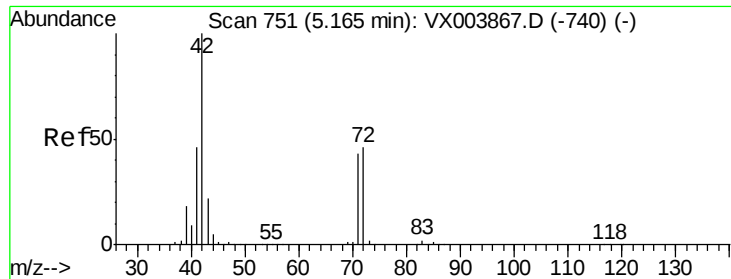


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

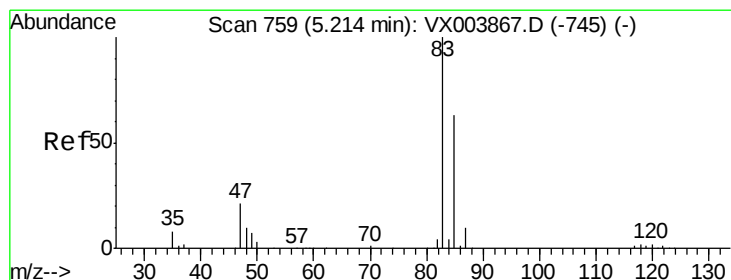
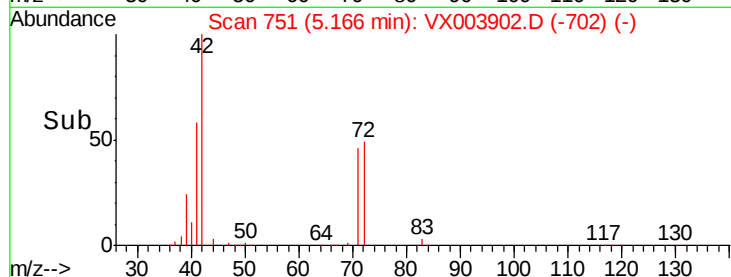
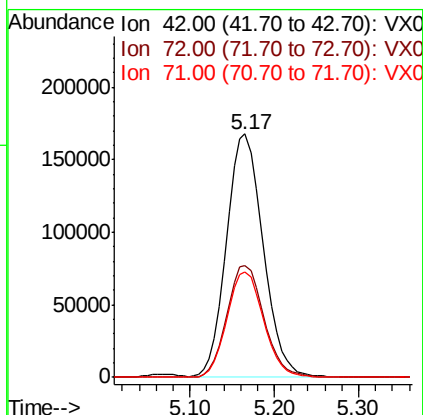
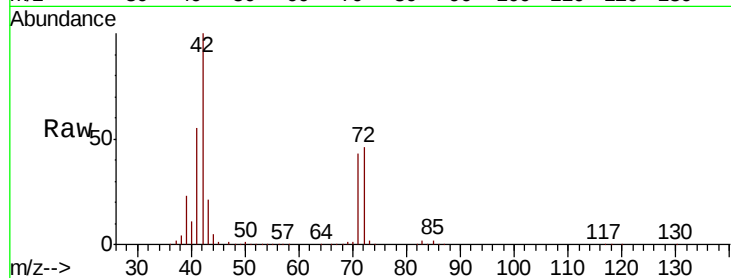




#29
Tetrahydrofuran
Concen: 246.00 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

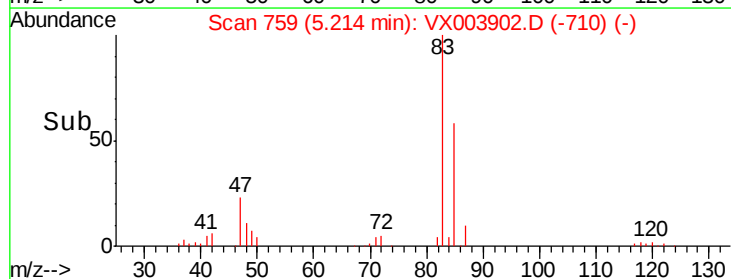
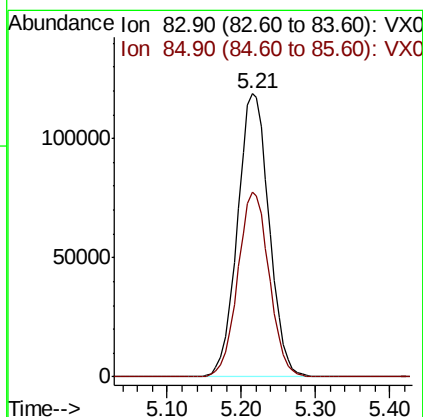
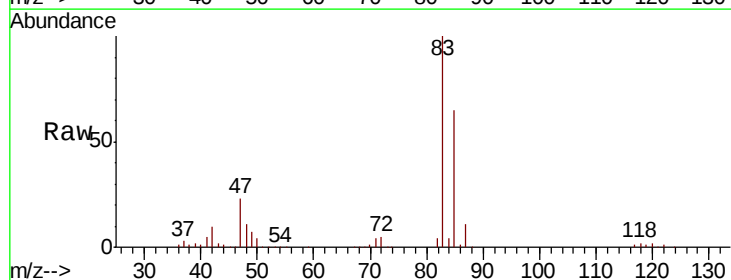
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

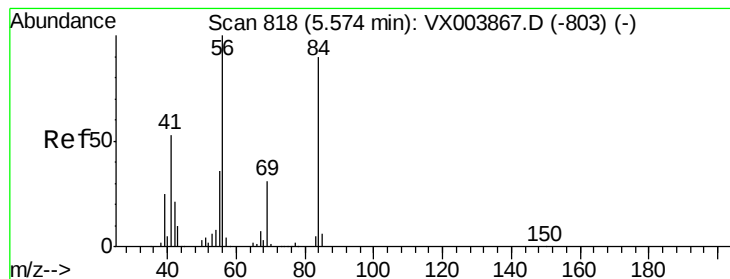
Tot Ion: 42 Resp: 492083
Ion Ratio Lower Upper
42 100
72 47.0 37.7 56.5
71 43.5 35.0 52.6



#30
Chloroform
Concen: 50.66 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion: 83 Resp: 353699
Ion Ratio Lower Upper
83 100
85 65.2 50.7 76.1





#31

Cyclohexane

Concen: 50.07 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

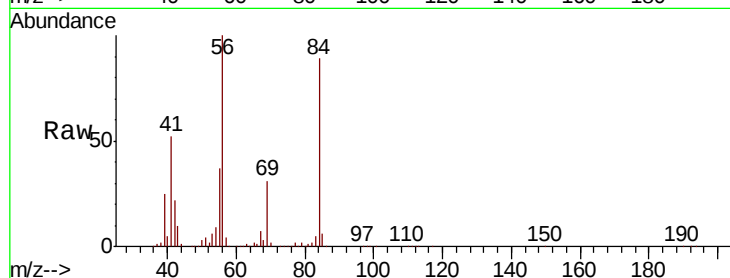
Tot Ion: 56 Resp: 313983

Ion Ratio Lower Upper

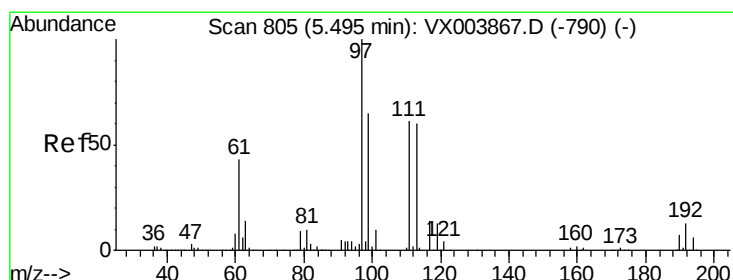
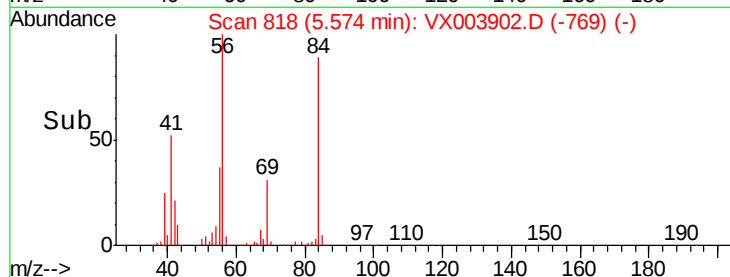
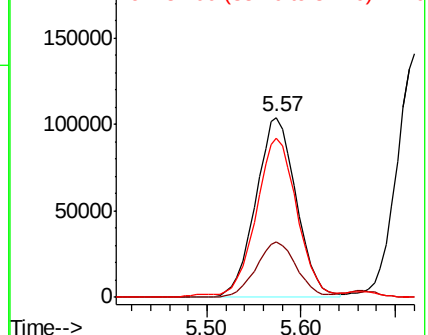
56 100

69 31.0 24.9 37.3

84 87.5 71.7 107.5



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: 51.13 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

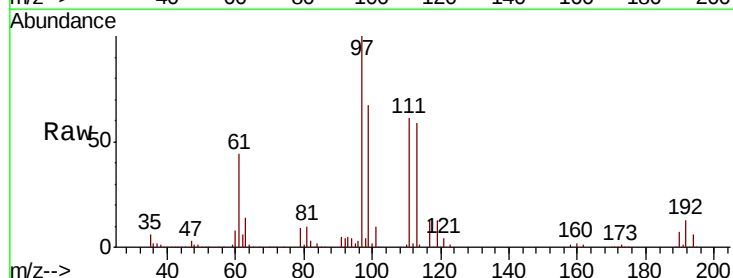
Tgt Ion: 97 Resp: 299339

Ion Ratio Lower Upper

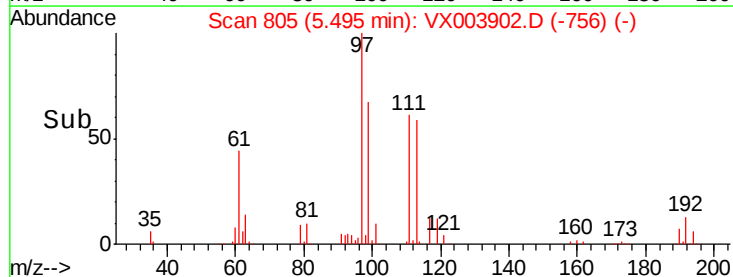
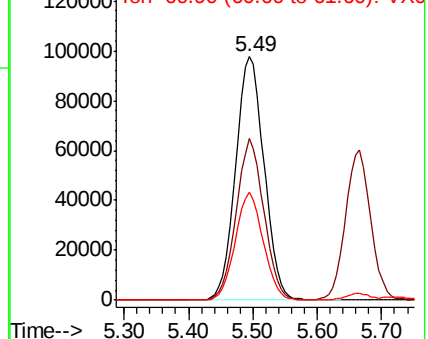
97 100

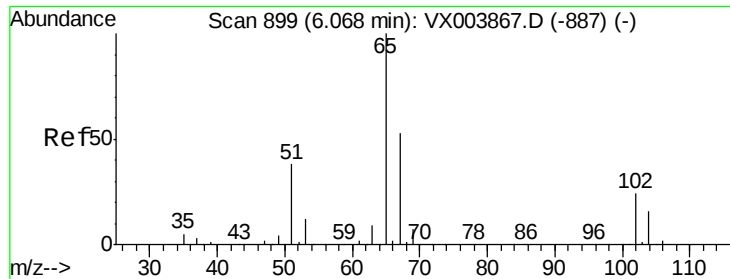
99 64.4 51.8 77.8

61 43.8 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

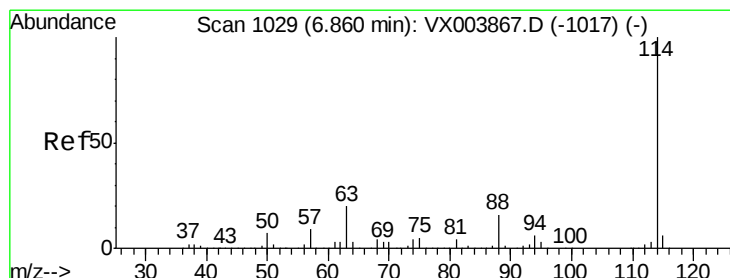
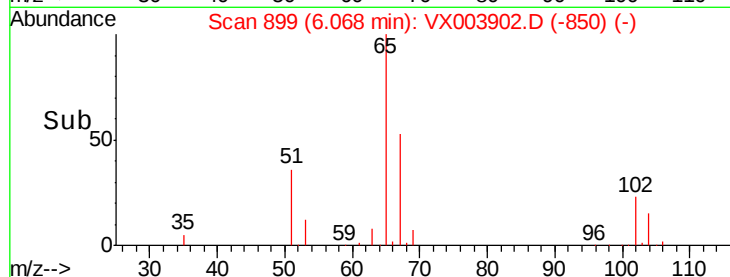
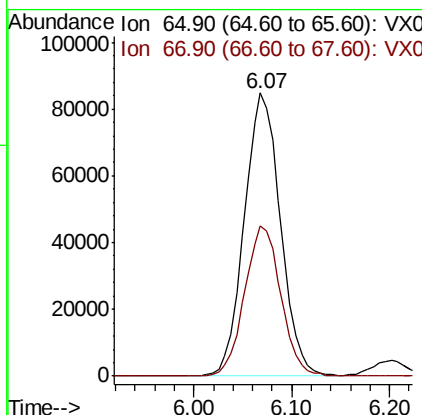
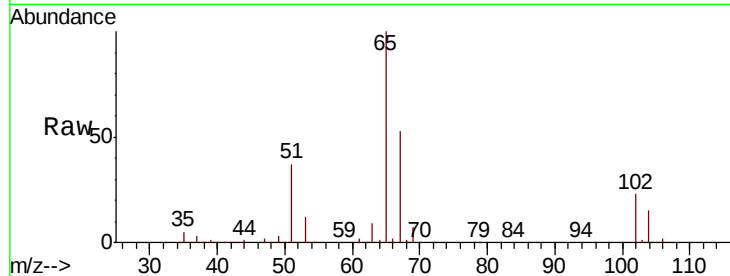




#33
 1,2-Dichloroethane-d4
 Concen: 50.09 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

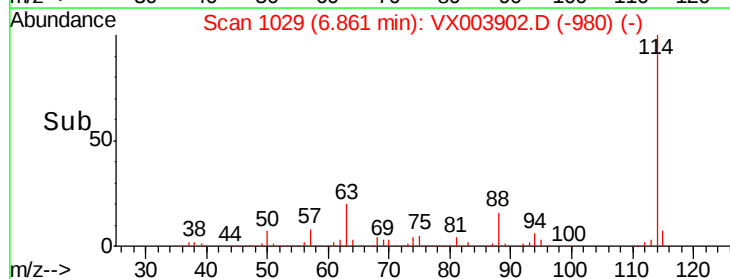
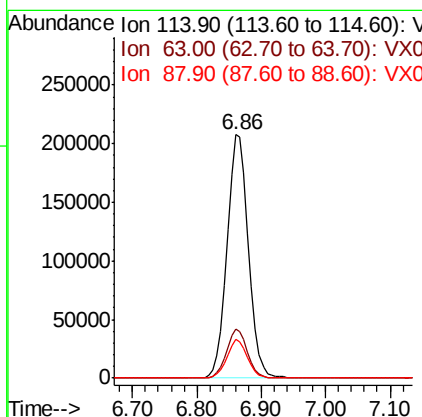
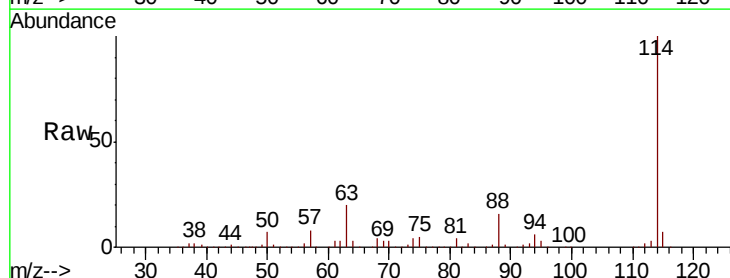
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

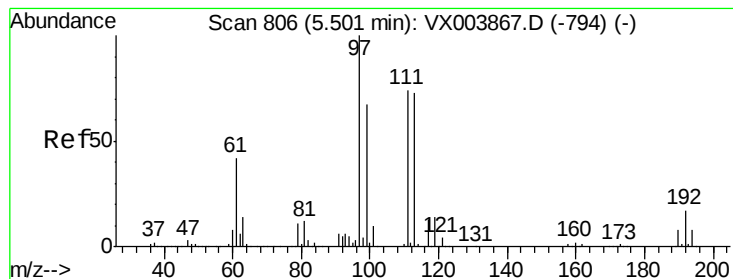
Tot Ion: 65 Resp: 217943
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 114 Resp: 484845
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.55 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

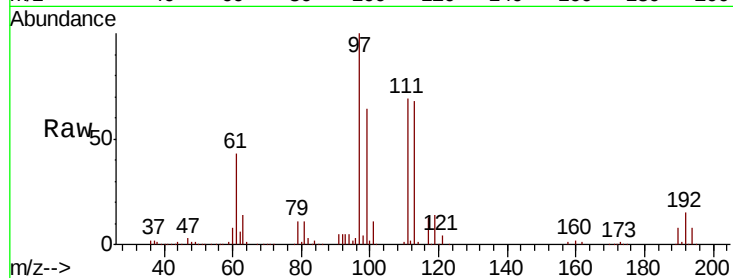
Tot Ion:113 Resp: 181986

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

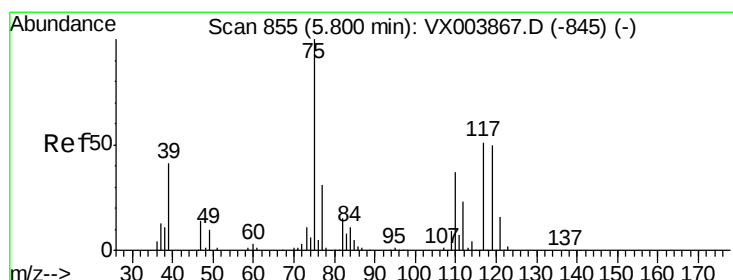
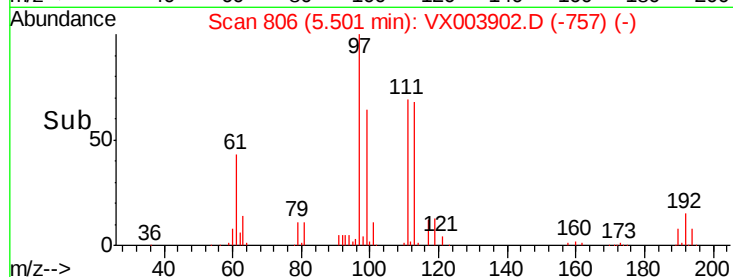
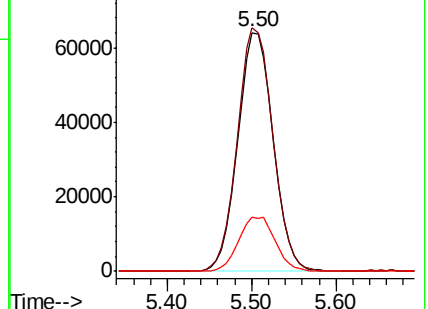
192 23.6 19.0 28.4



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: 48.96 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

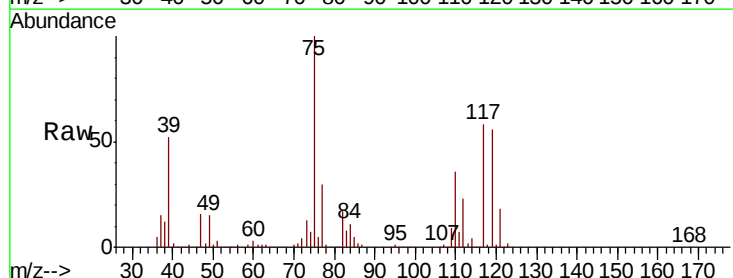
Tgt Ion: 75 Resp: 265852

Ion Ratio Lower Upper

75 100

110 36.2 18.2 54.6

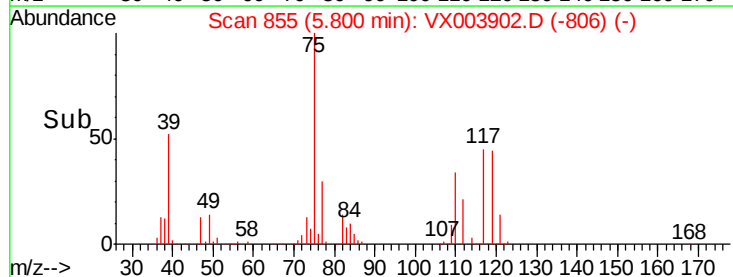
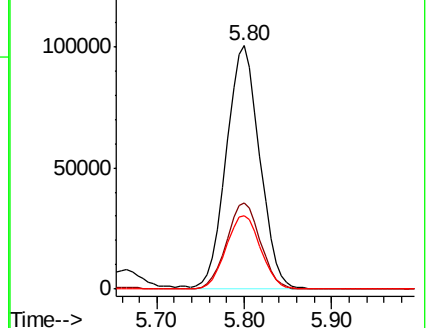
77 31.5 25.0 37.4



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: 49.18 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

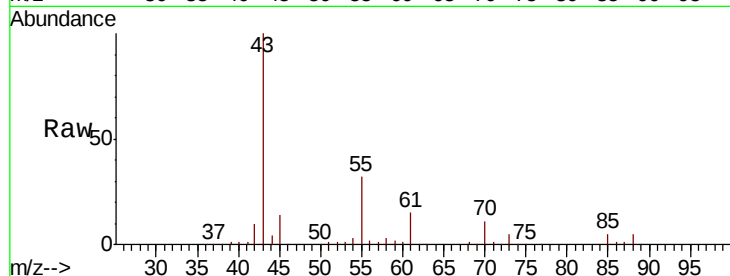
Tot Ion: 43 Resp: 293775

Ion Ratio Lower Upper

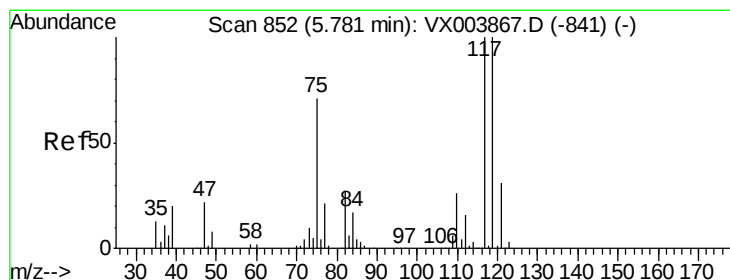
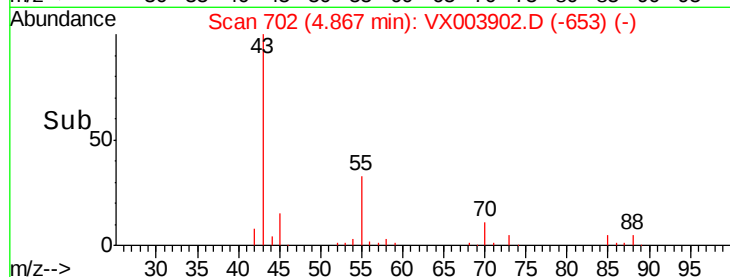
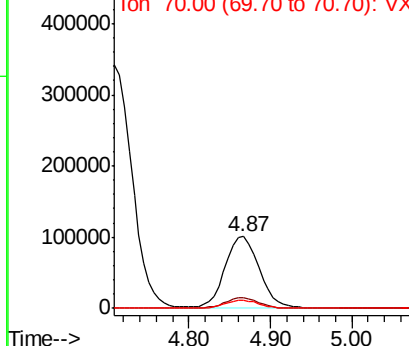
43 100

61 14.3 11.5 17.3

70 11.2 9.0 13.4



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: 50.14 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

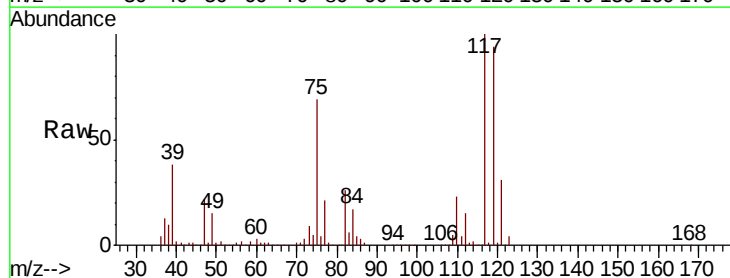
Tgt Ion: 117 Resp: 259134

Ion Ratio Lower Upper

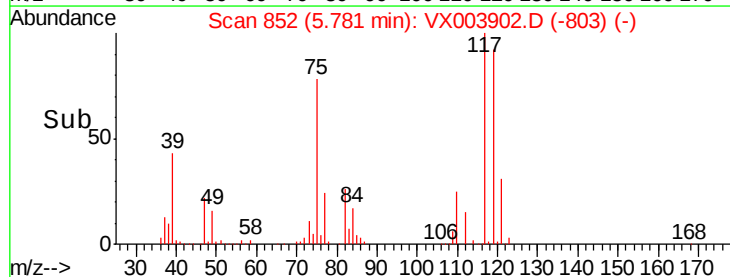
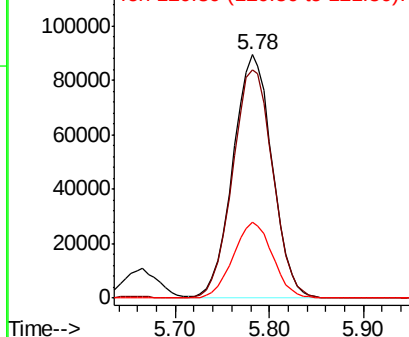
117 100

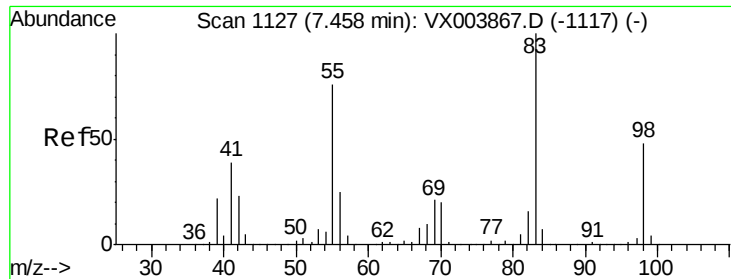
119 94.0 79.5 119.3

121 31.1 25.0 37.4



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

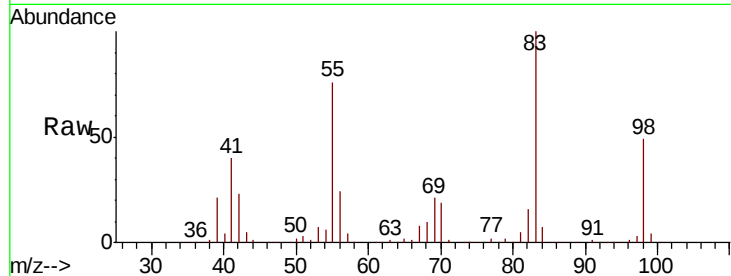




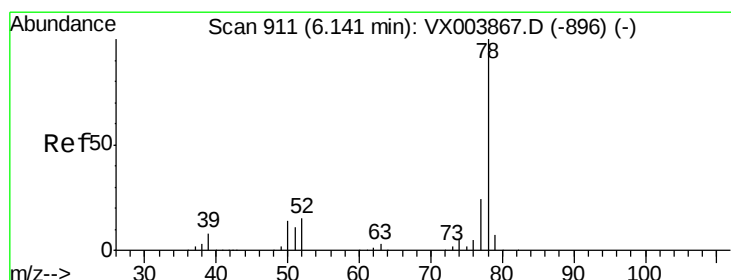
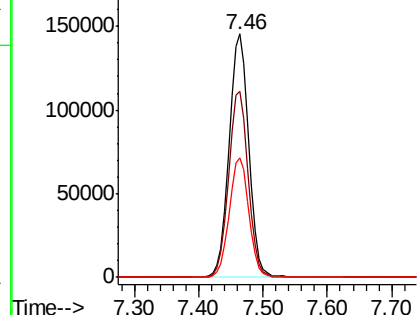
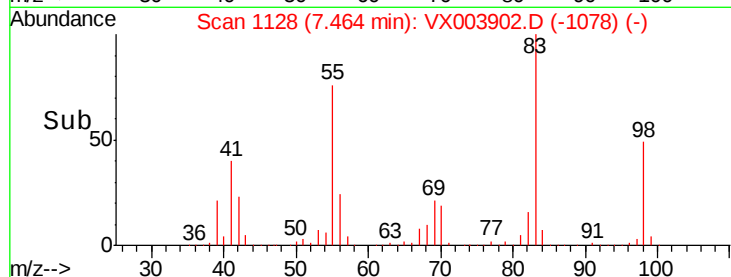
#39
Methvlcvclohexane
Concen: 49.18 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 314865
Ion Ratio Lower Upper
83 100
55 76.3 61.0 91.6
98 49.1 38.6 57.8

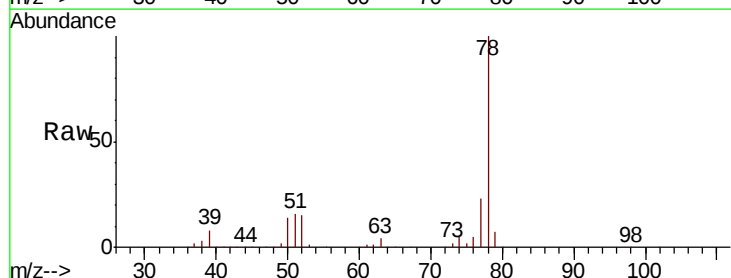


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

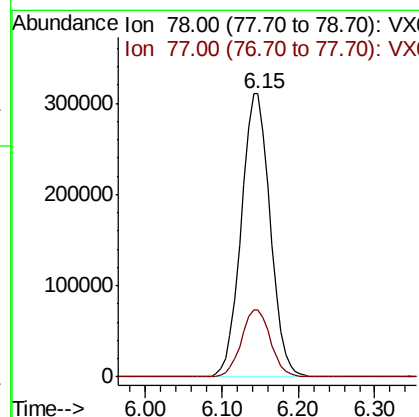
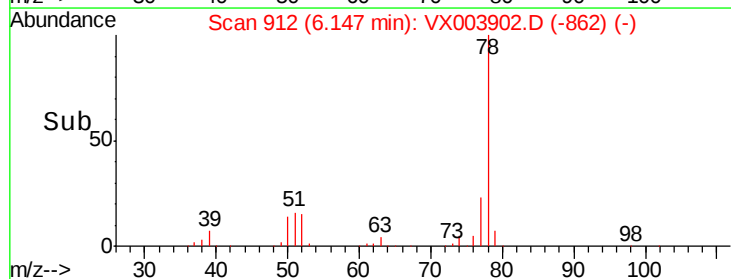


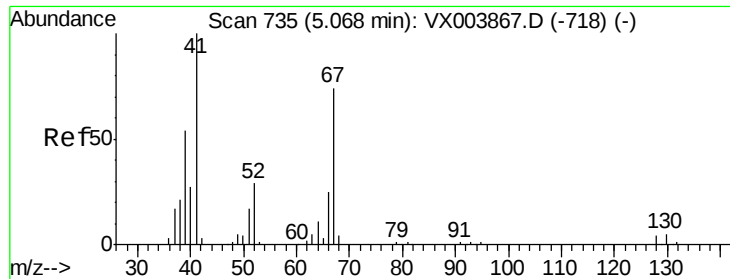
#40
Benzene
Concen: 49.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion: 78 Resp: 814249
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



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

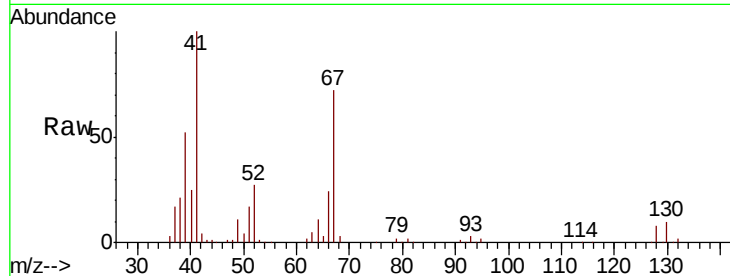




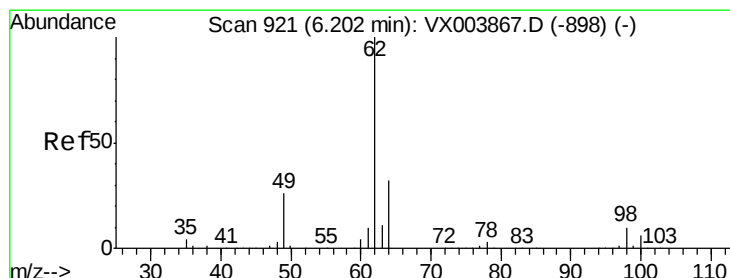
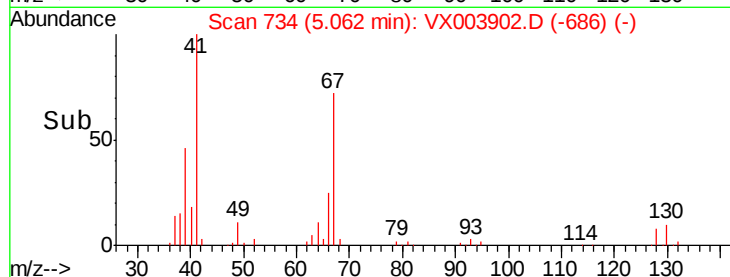
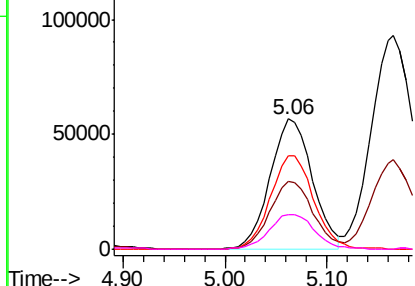
#41
Methacrylonitrile
Concen: 49.45 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	162666
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.7	64.1
67	74.2	58.9	88.3
52	28.8	22.6	33.8

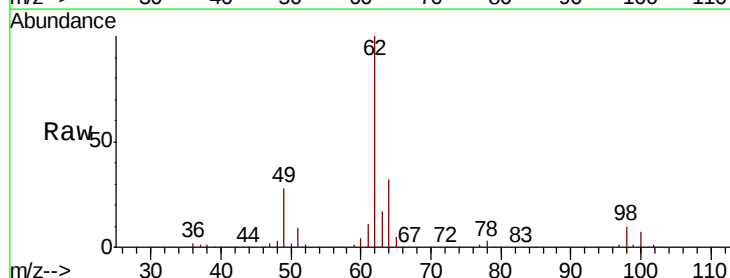


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

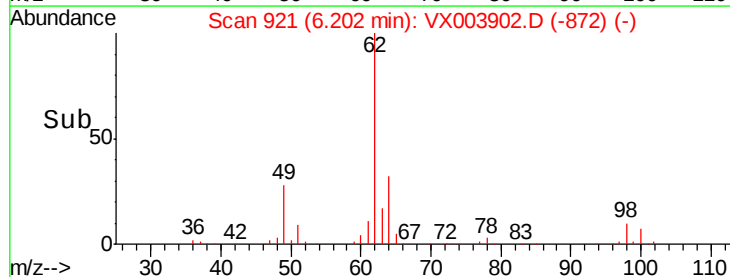
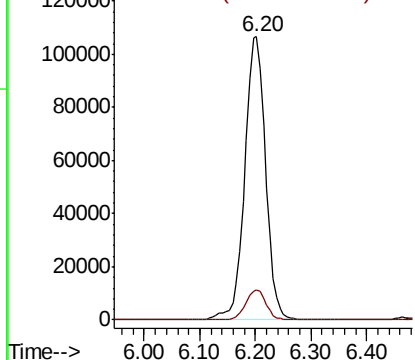


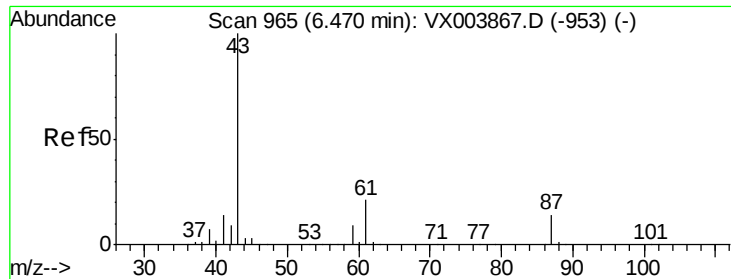
#42
1,2-Dichloroethane
Concen: 50.38 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion:	62	Resp:	277797
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.98 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

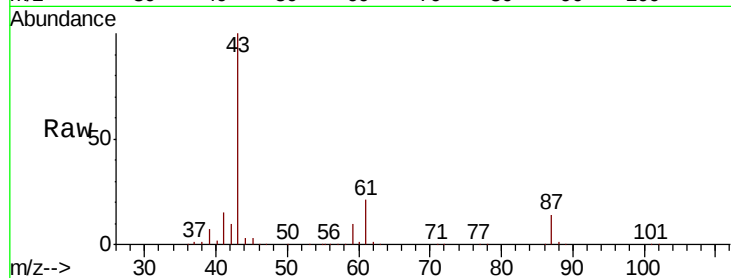
Tot Ion: 43 Resp: 449290

Ion Ratio Lower Upper

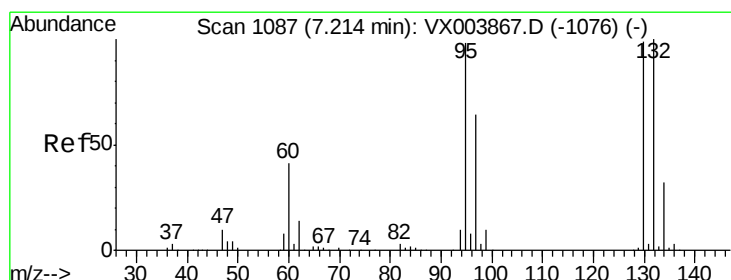
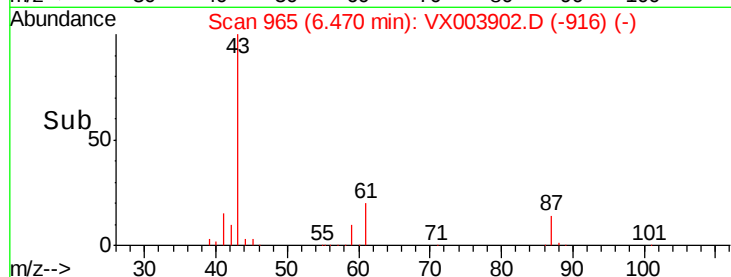
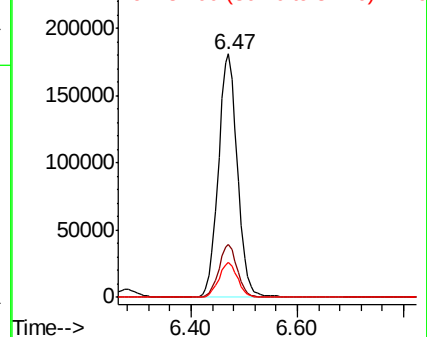
43 100

61 21.3 16.9 25.3

87 14.2 11.3 16.9



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: 48.21 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003902.D

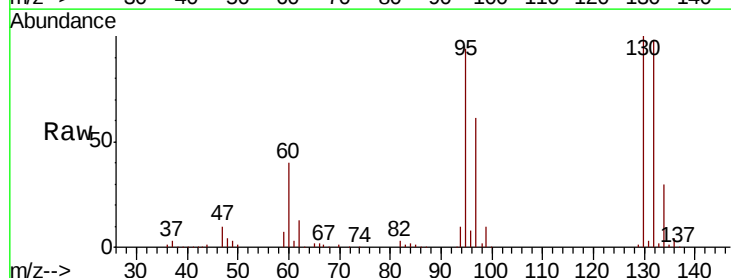
Acq: 08 Aug 2018 01:51

Tgt Ion:130 Resp: 214999

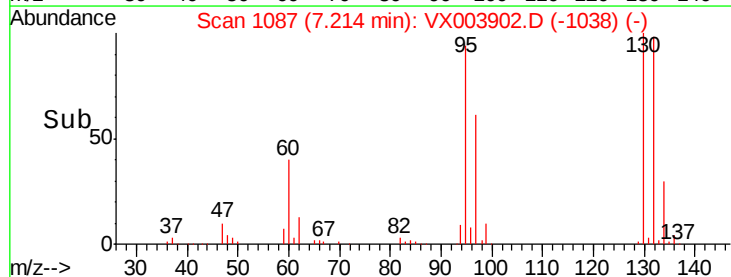
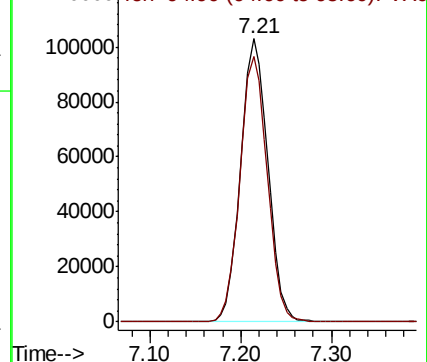
Ion Ratio Lower Upper

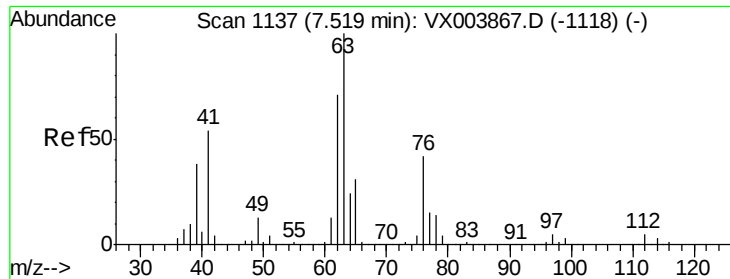
130 100

95 93.8 0.0 199.4



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

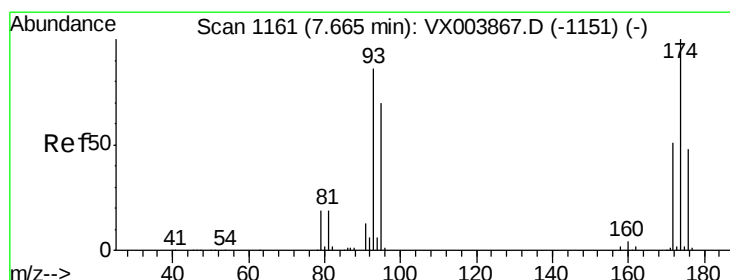
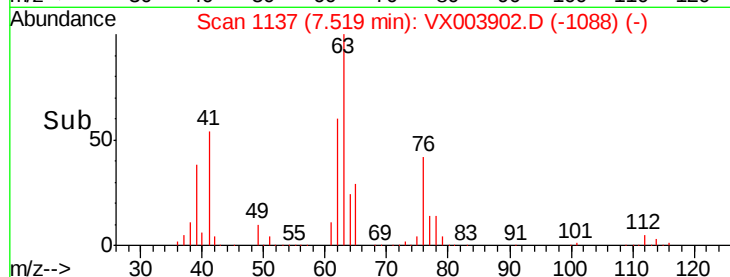
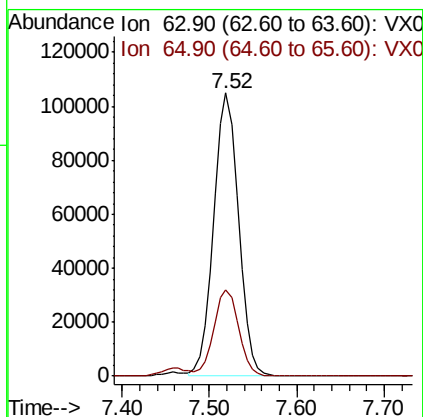
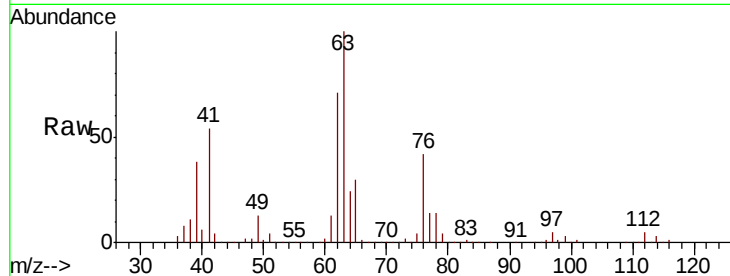




#45
 1,2-Dichloropropane
 Concen: 49.31 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

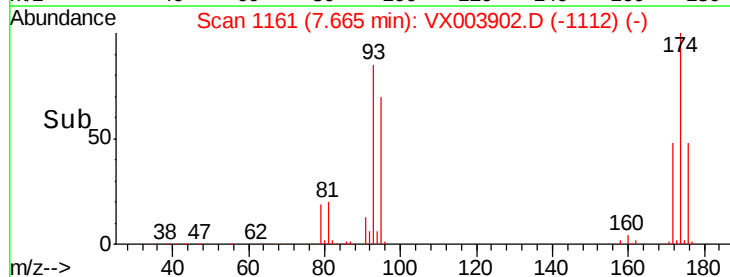
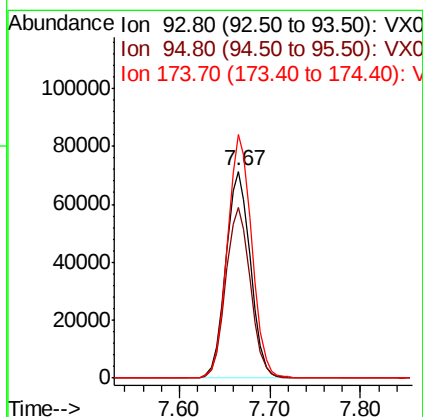
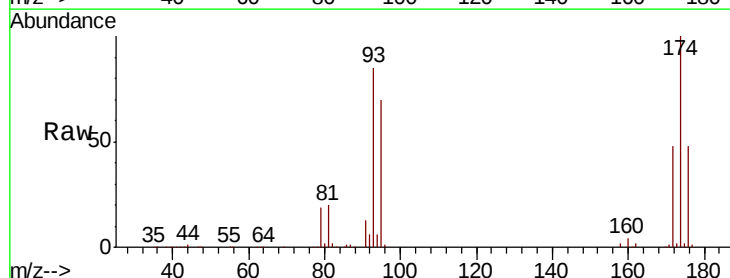
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

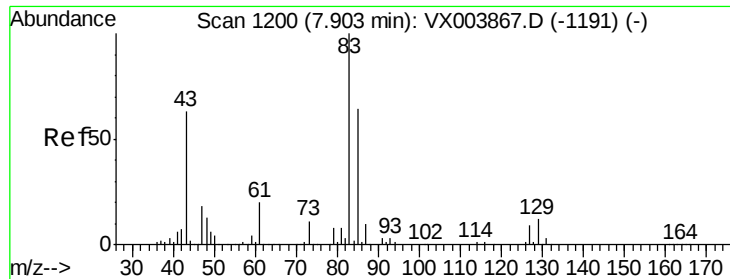
Tot Ion: 63 Resp: 207614
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8



#46
 Dibromomethane
 Concen: 49.14 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 93 Resp: 134338
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 117.0 94.3 141.5





#47

Bromodichloromethane

Concen: 50.76 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

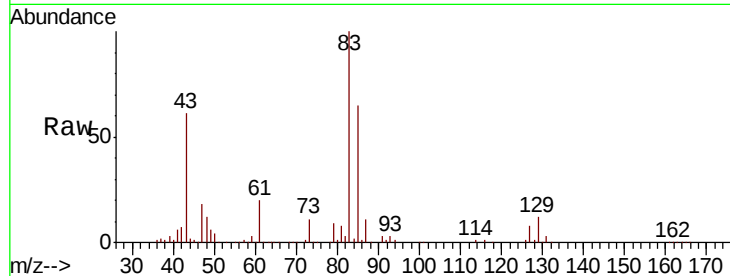
Tot Ion: 83 Resp: 261432

Ion Ratio Lower Upper

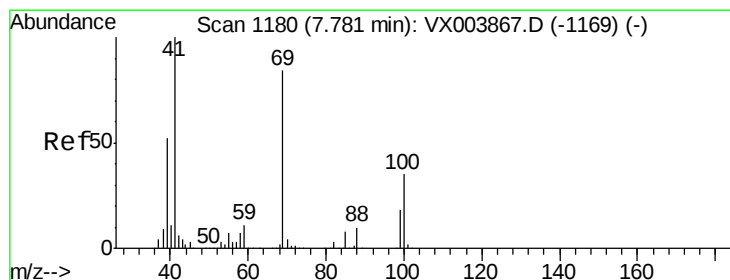
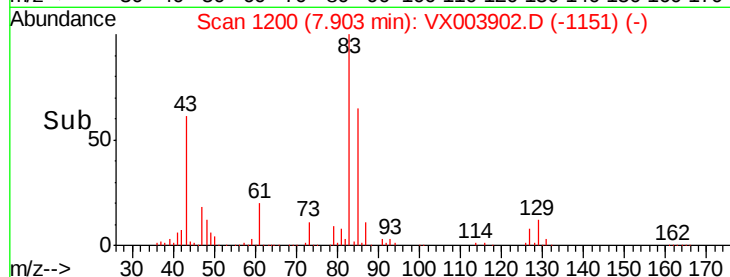
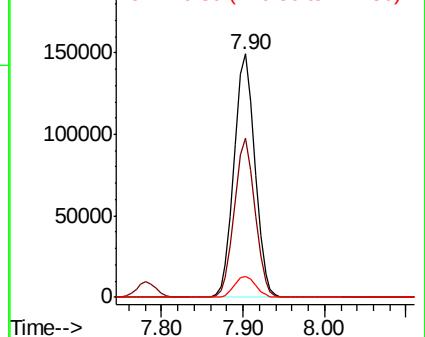
83 100

85 65.0 51.2 76.8

127 8.4 7.2 10.8



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: 51.72 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

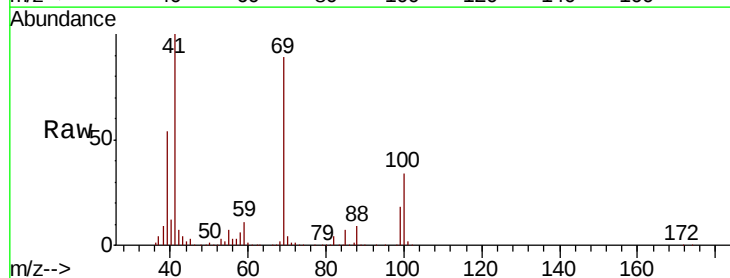
Tgt Ion: 41 Resp: 236347

Ion Ratio Lower Upper

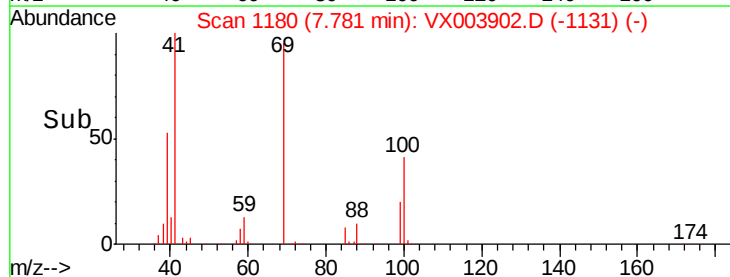
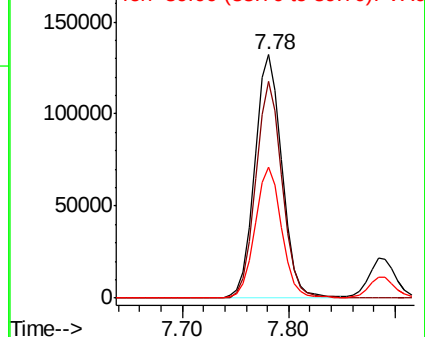
41 100

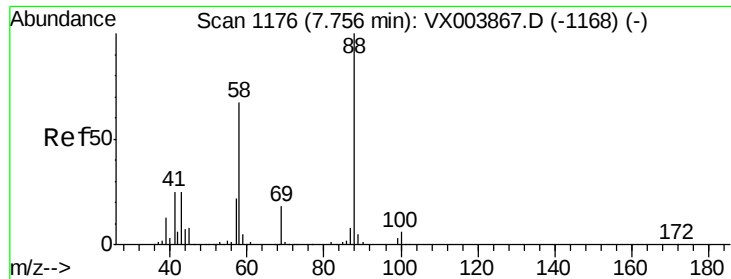
69 87.1 68.8 103.2

39 53.1 42.3 63.5



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

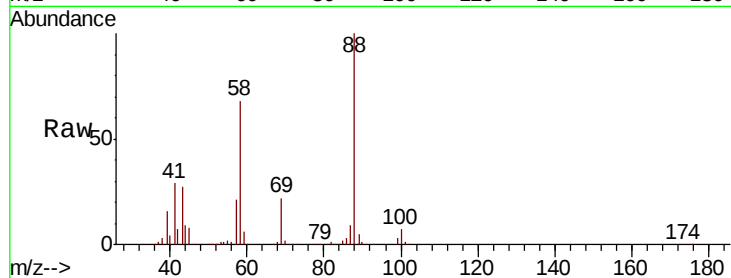




#49
 1,4-Dioxane
 Concen: 893.39 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	96166
Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.8	35.8
58	69.1	55.4	83.0

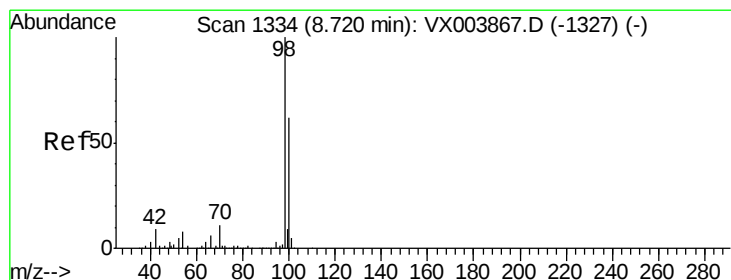
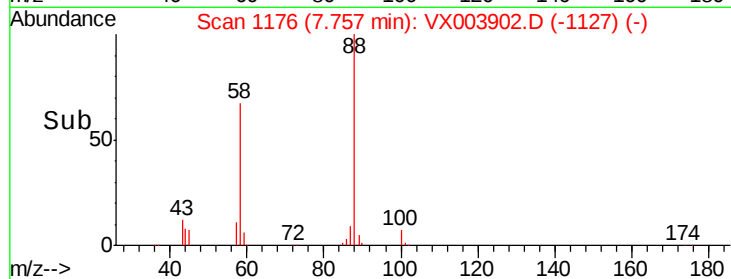
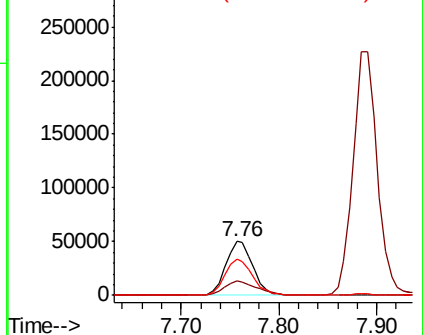


Abundance

Ion 88.00 (87.70 to 88.70): VX0

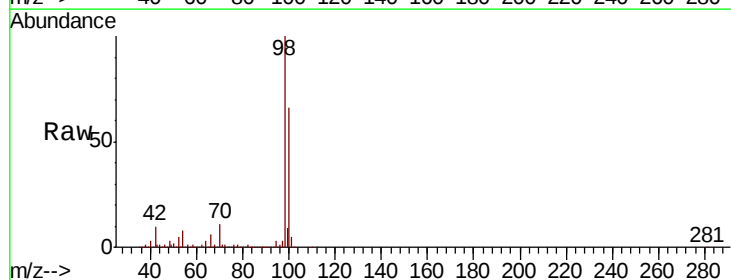
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 49.59 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

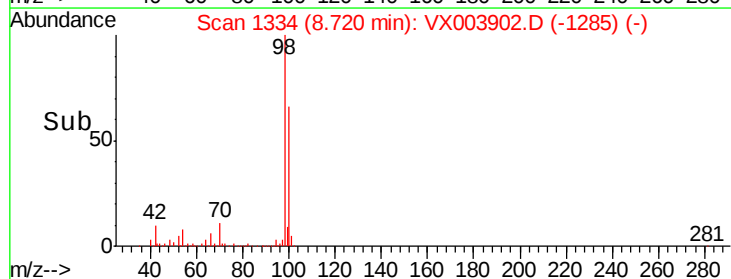
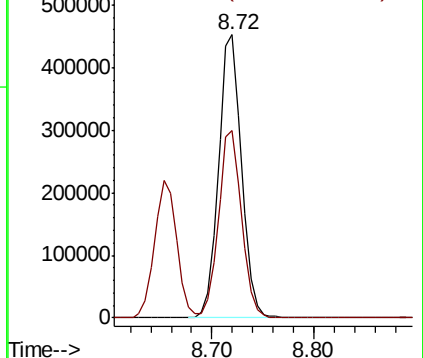
Tgt Ion	98	Resp	708364
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

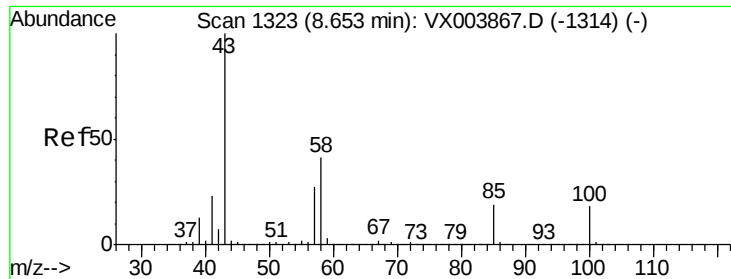


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 258.86 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

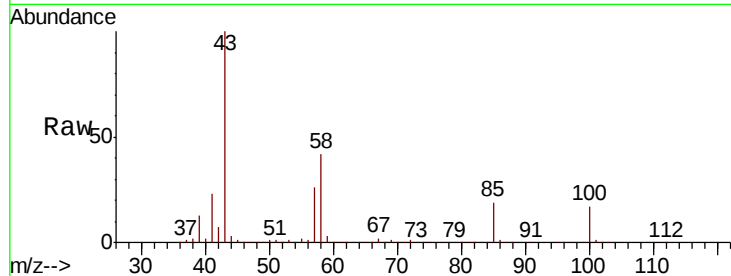
VSTDCCC050

Tot Ion: 43 Resp: 1928777

Ion Ratio Lower Upper

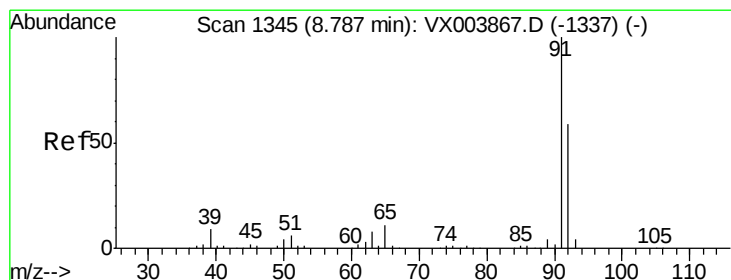
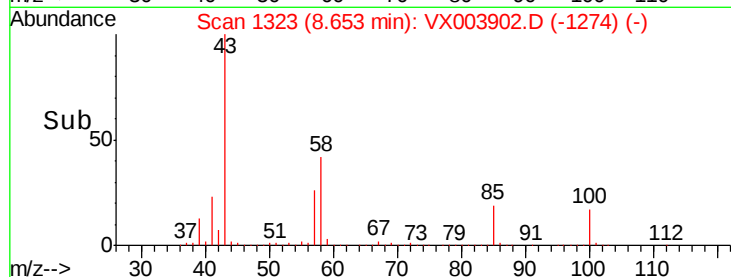
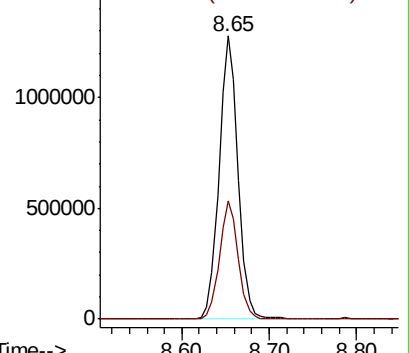
43 100

58 41.1 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003902.D

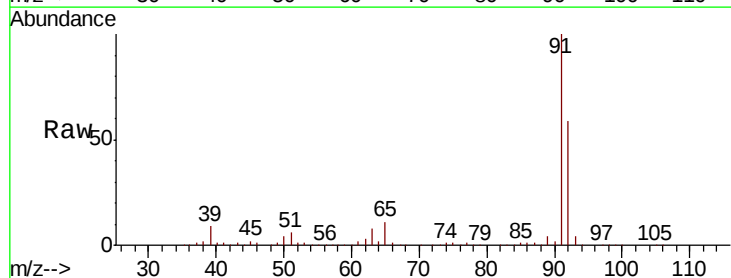
Acq: 08 Aug 2018 01:51

Tgt Ion: 92 Resp: 526280

Ion Ratio Lower Upper

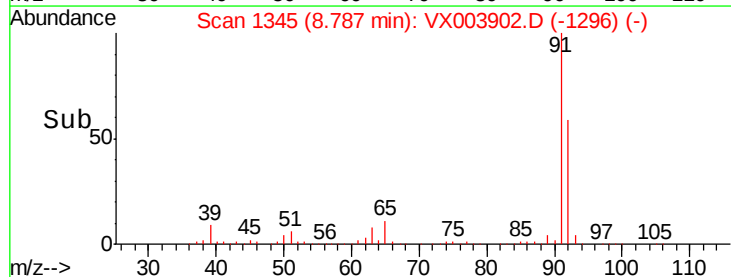
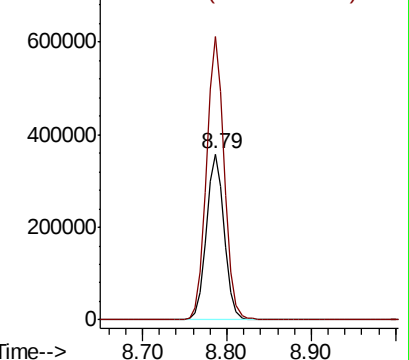
92 100

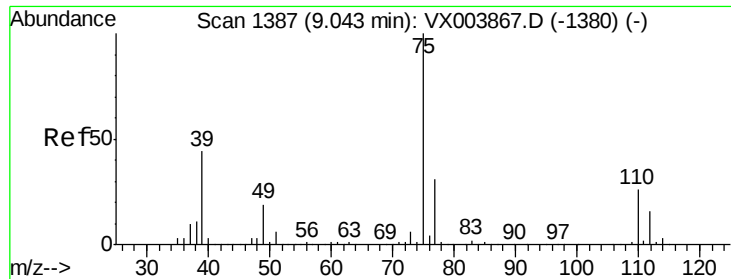
91 169.5 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

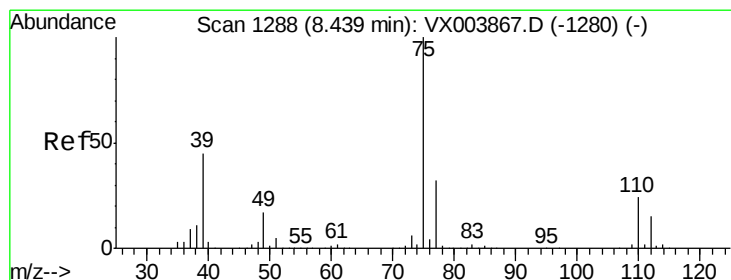
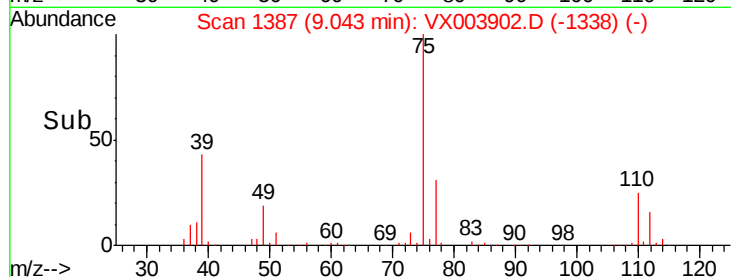
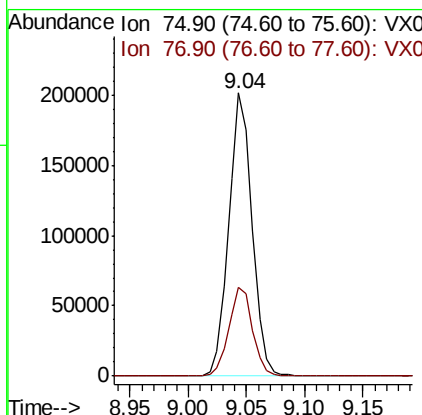
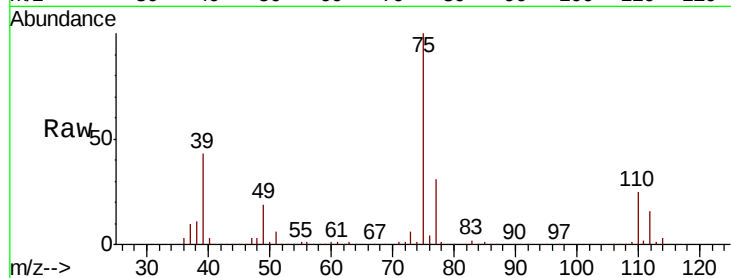




#53
 t-1,3-Dichloropropene
 Concen: 48.21 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

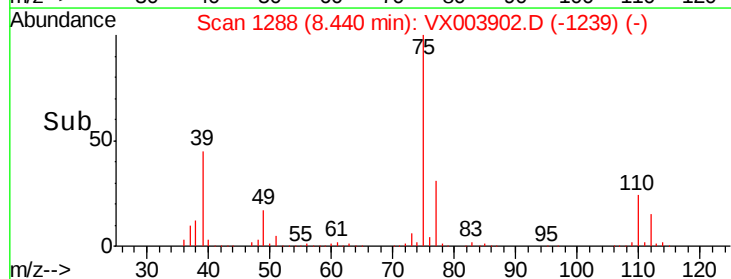
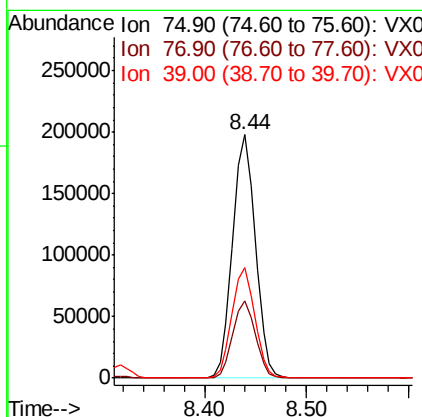
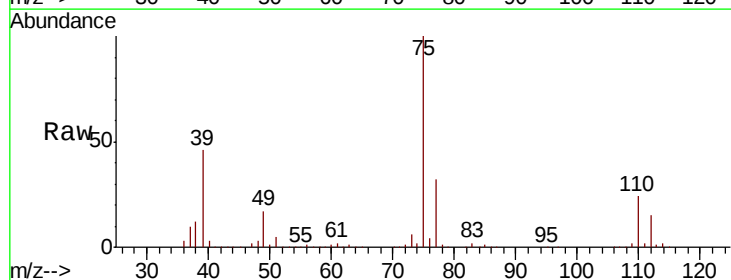
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

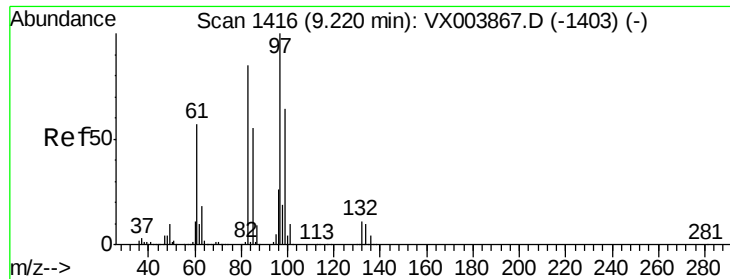
Tot Ion: 75 Resp: 280603
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 48.71 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 75 Resp: 305716
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.3 37.9
 39 45.4 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 50.23 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 211488

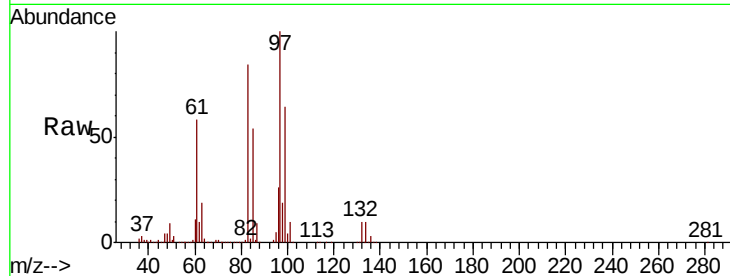
Ion Ratio Lower Upper

97 100

83 84.4 67.8 101.6

85 54.2 44.2 66.2

99 63.8 50.8 76.2

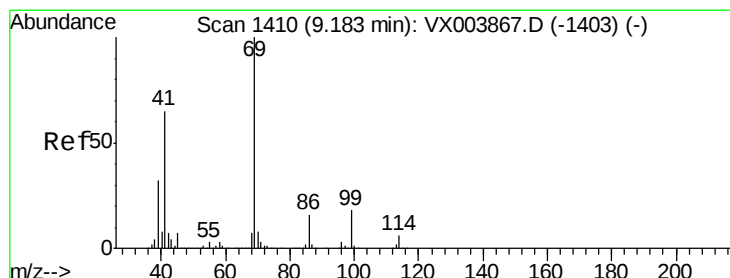
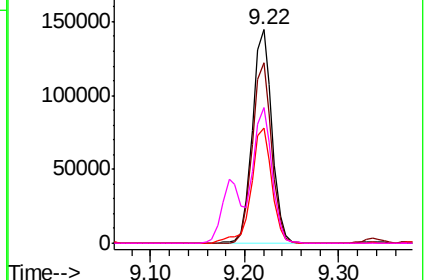
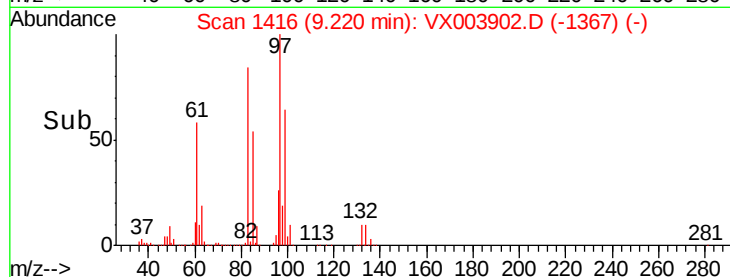


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.70 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

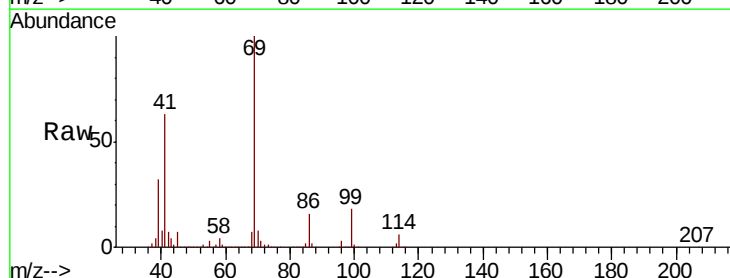
Tgt Ion: 69 Resp: 321916

Ion Ratio Lower Upper

69 100

41 63.4 50.6 76.0

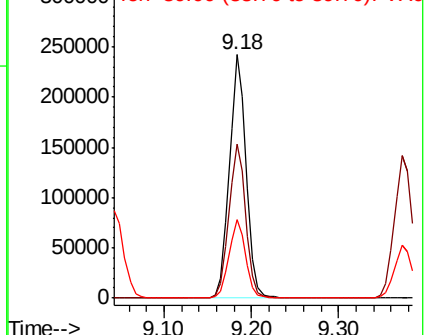
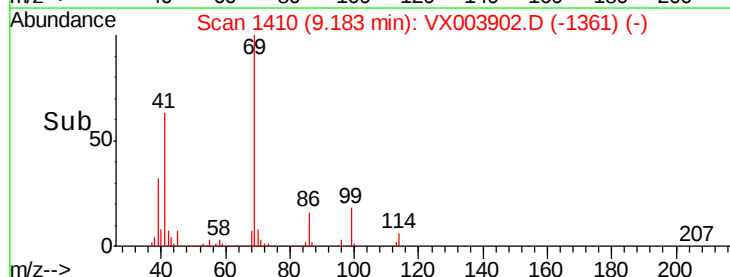
39 32.0 25.8 38.6

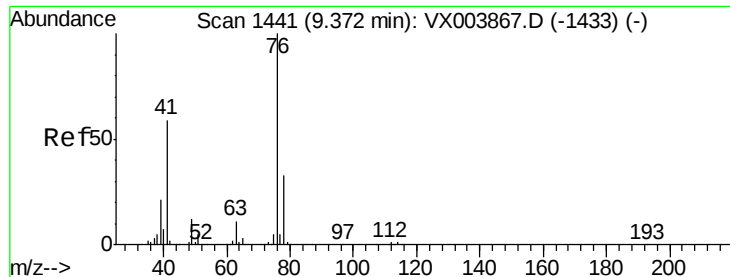


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.90 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

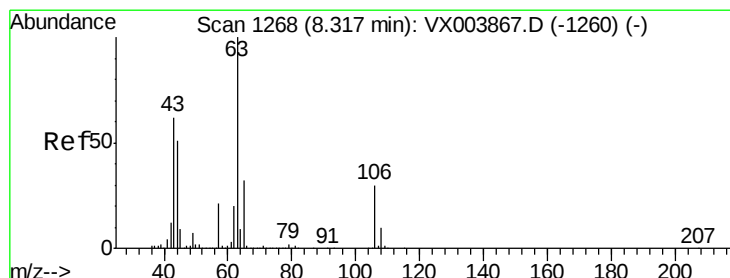
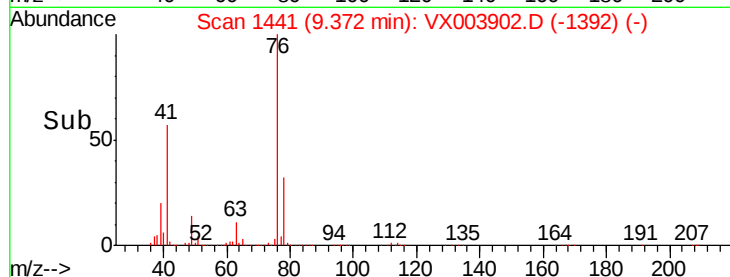
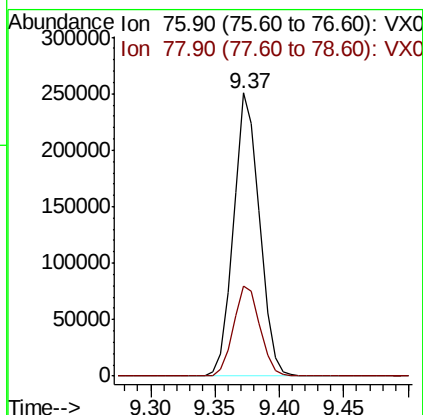
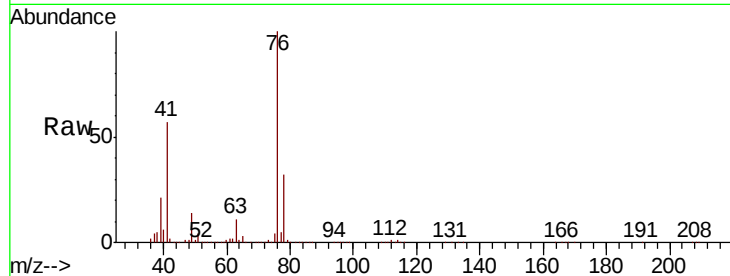
VSTDCCC050

Tot Ion: 76 Resp: 351643

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 263.95 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003902.D

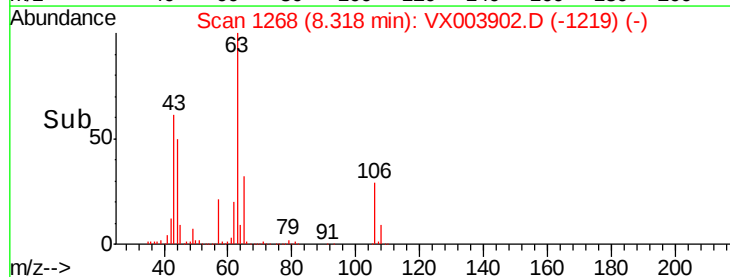
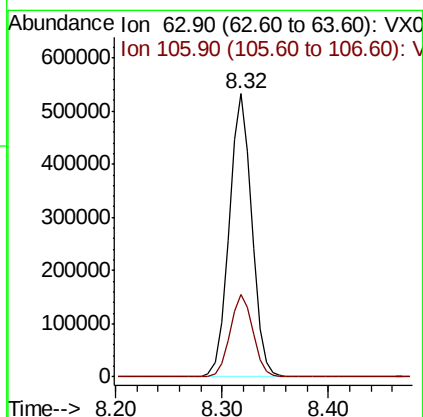
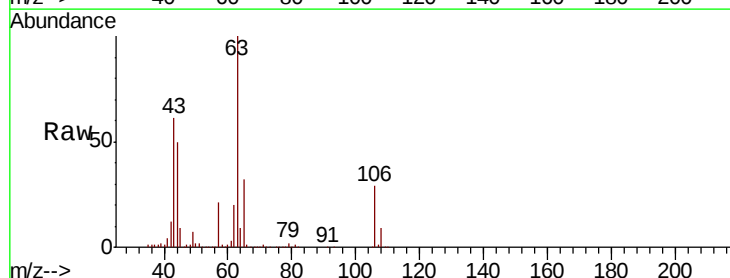
Acq: 08 Aug 2018 01:51

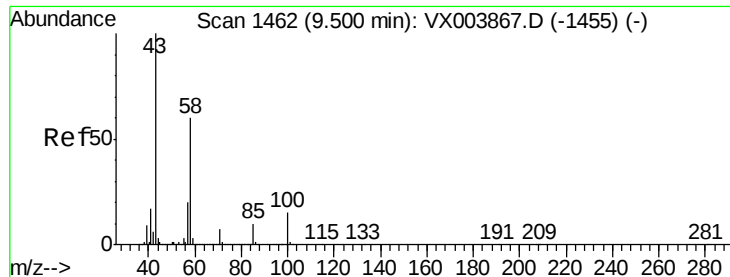
Tgt Ion: 63 Resp: 792849

Ion Ratio Lower Upper

63 100

106 29.5 23.8 35.8

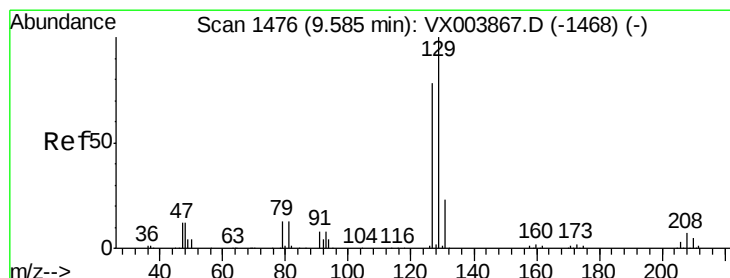
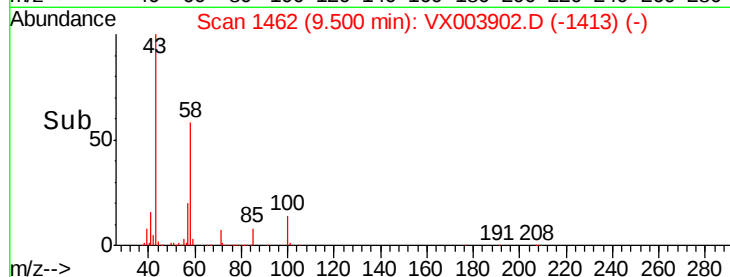
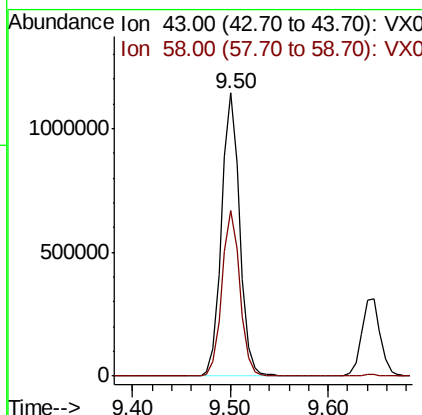
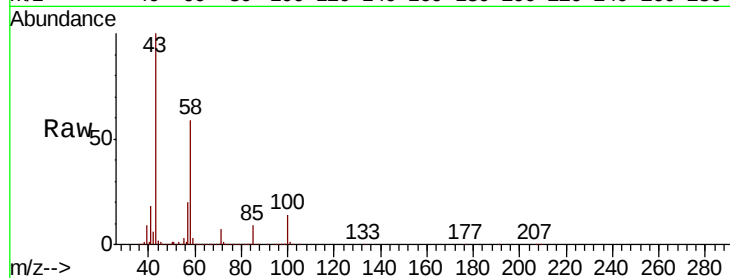




#59
2-Hexanone
Concen: 263.24 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

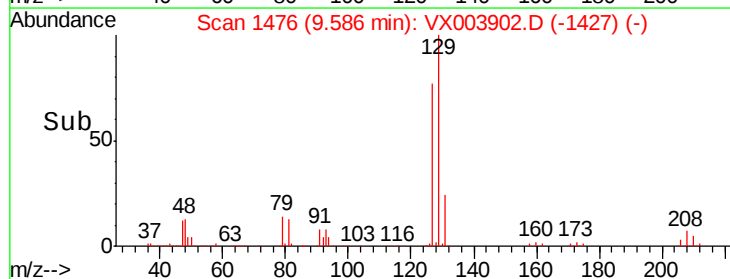
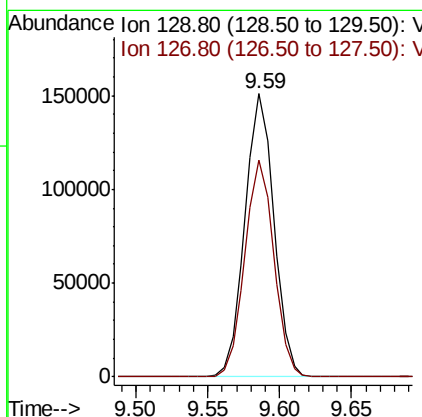
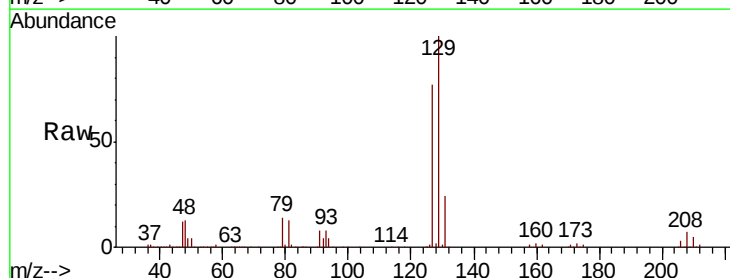
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

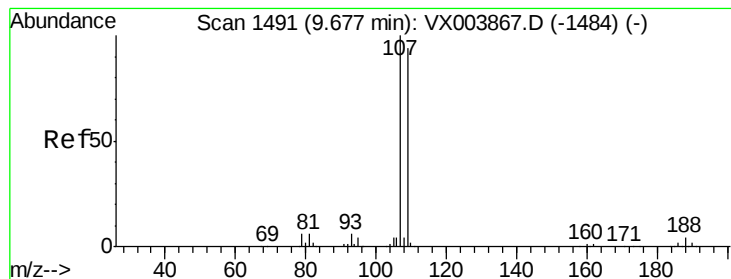
Tot Ion: 43 Resp: 1466126
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0



#60
Dibromochloromethane
Concen: 53.77 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion: 129 Resp: 211086
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

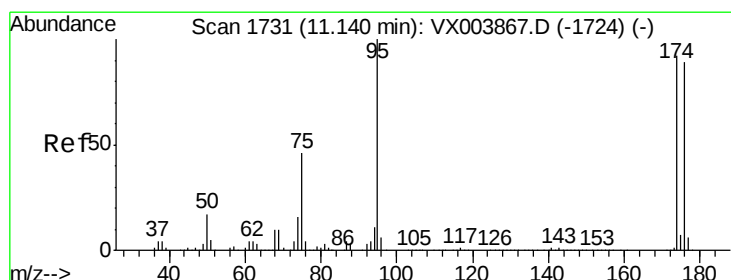
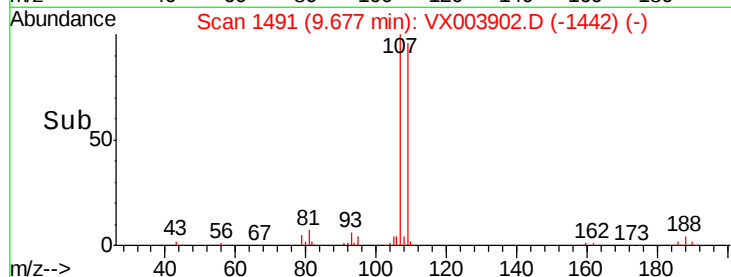
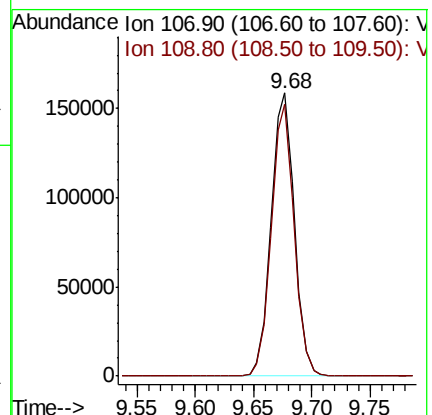
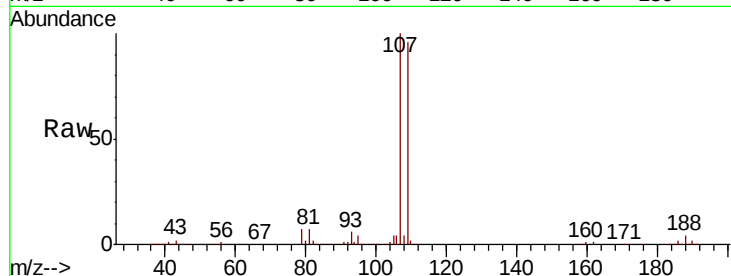
VSTDCCC050

Tot Ion:107 Resp: 220366

Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 56.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

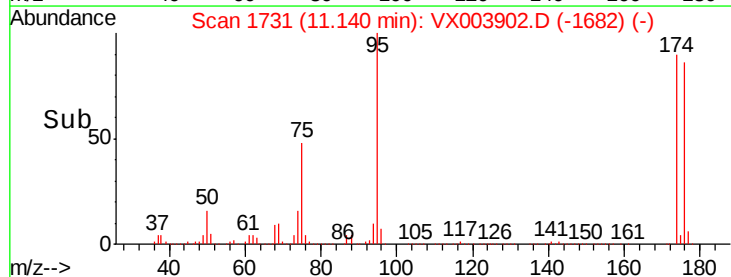
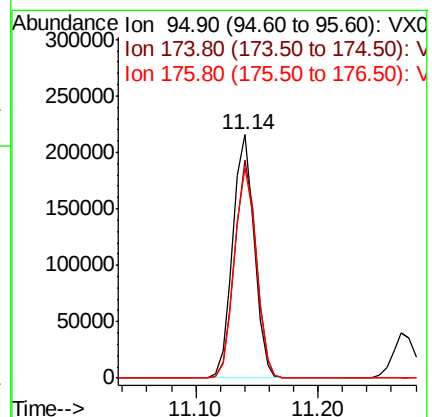
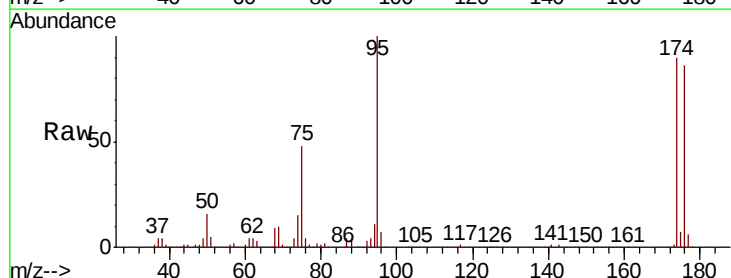
Tgt Ion: 95 Resp: 262310

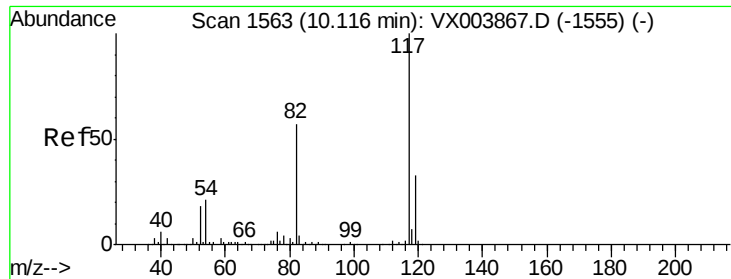
Ion Ratio Lower Upper

95 100

174 89.6 0.0 182.8

176 87.5 0.0 179.0

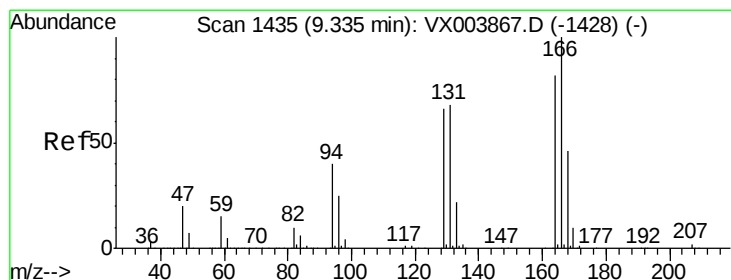
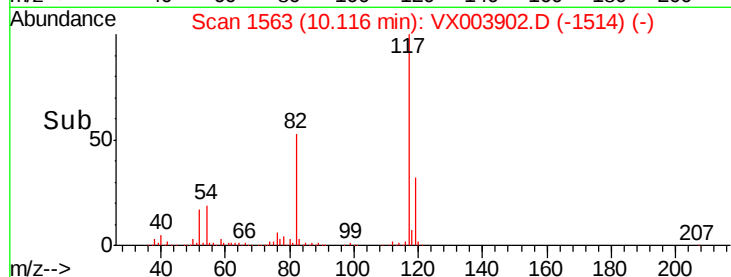
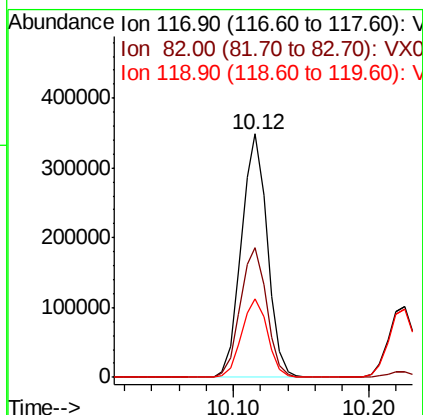
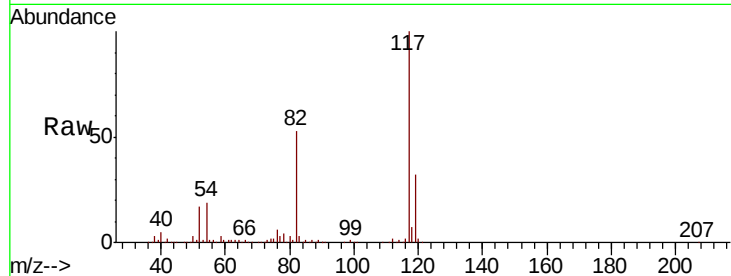




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

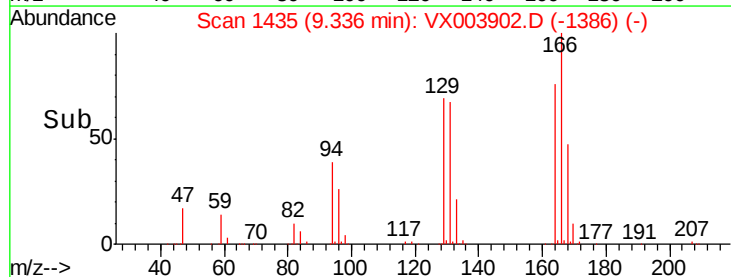
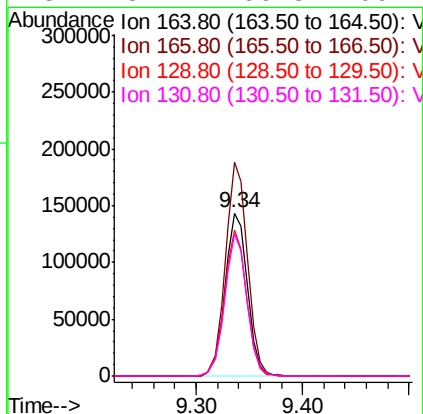
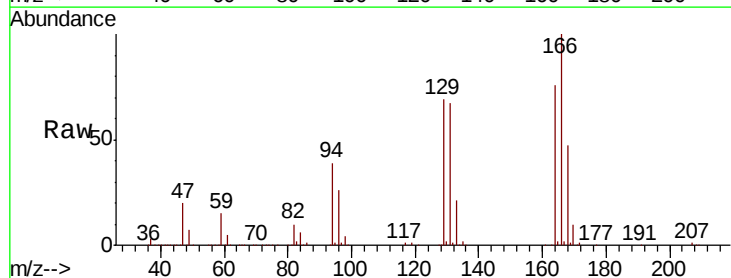
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

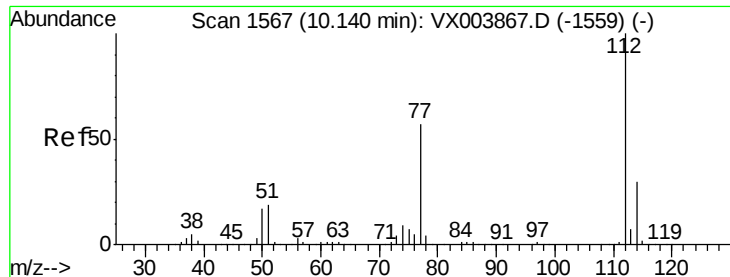
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.4	68.0
119	32.1	26.6	40.0



#64
Tetrachloroethene
Concen: 46.23 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	98.0	147.0
129	89.8	64.3	96.5
131	87.1	66.8	100.2





#65

Chlorobenzene

Concen: 47.94 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

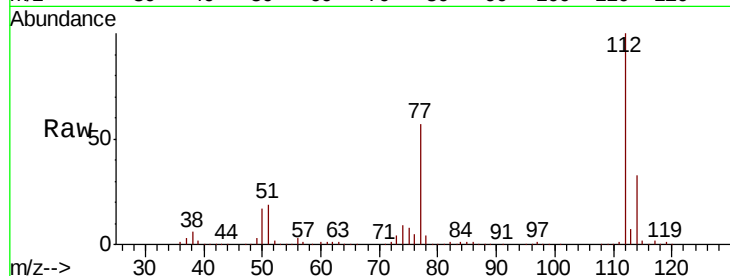
VSTDCCC050

Tot Ion:112 Resp: 578012

Ion Ratio Lower Upper

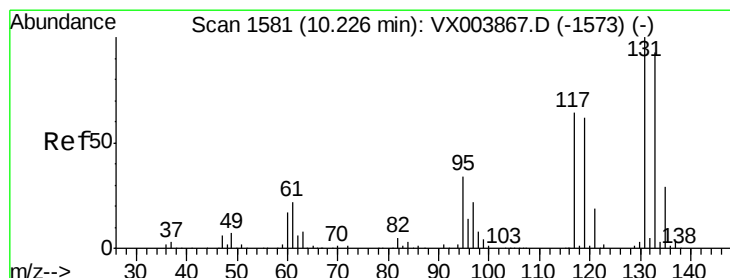
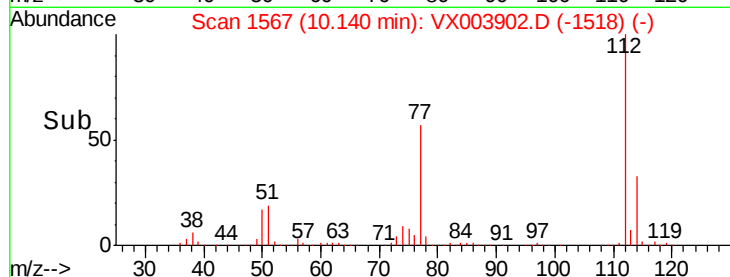
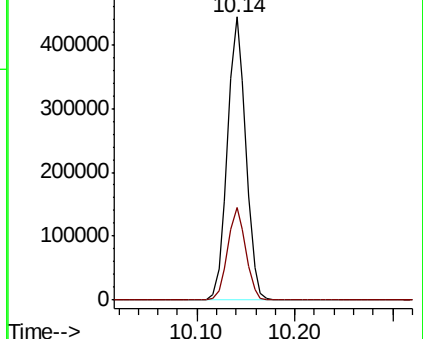
112 100

114 32.9 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.56 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

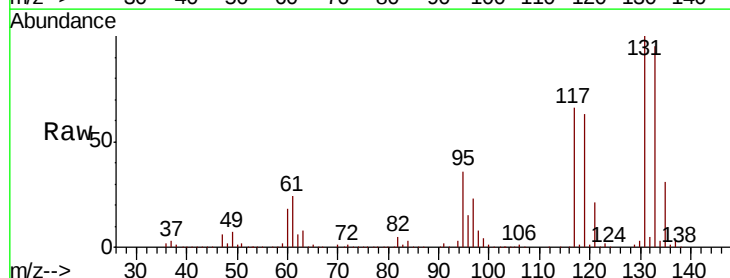
Tgt Ion:131 Resp: 205431

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

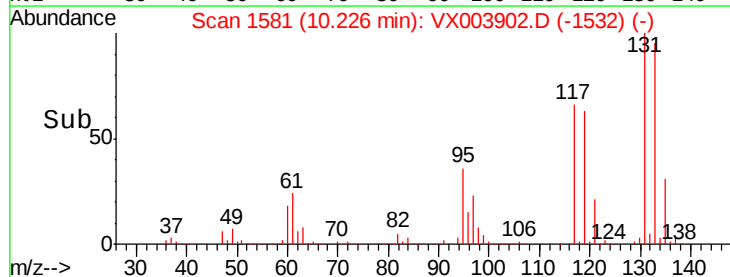
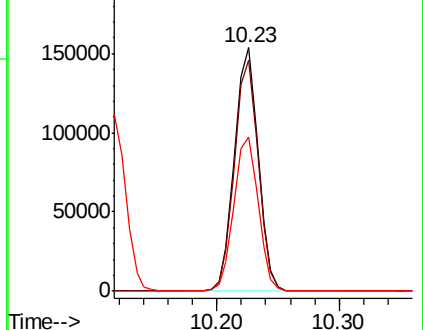
119 65.0 31.6 94.8

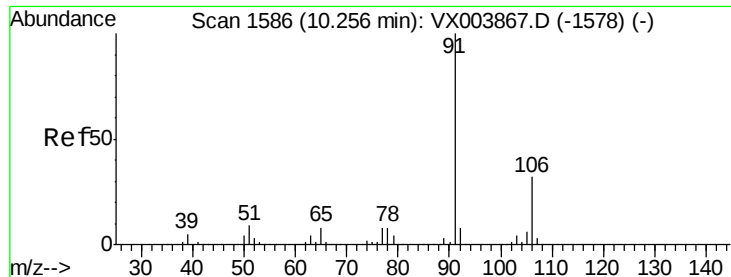


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.17 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

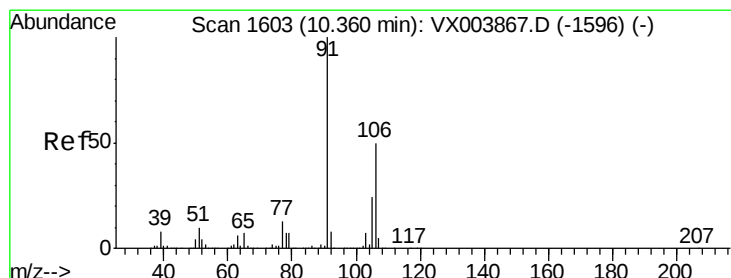
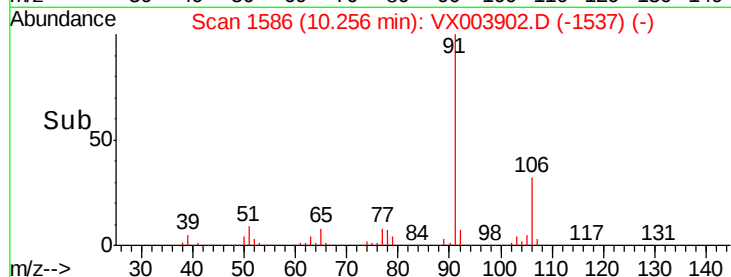
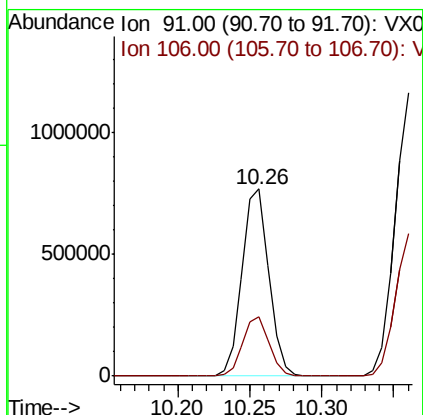
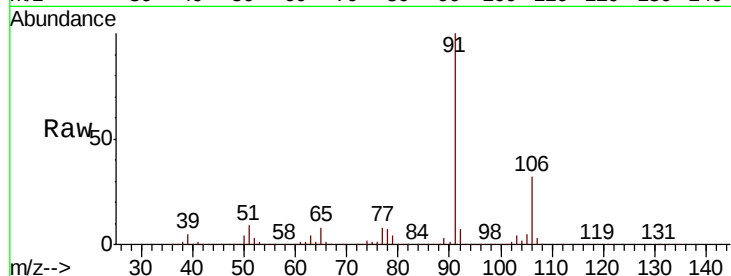
VSTDCCC050

Tot Ion: 91 Resp: 990166

Ion Ratio Lower Upper

91 100

106 32.0 25.9 38.9



#68

m/p-Xylenes

Concen: 99.85 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003902.D

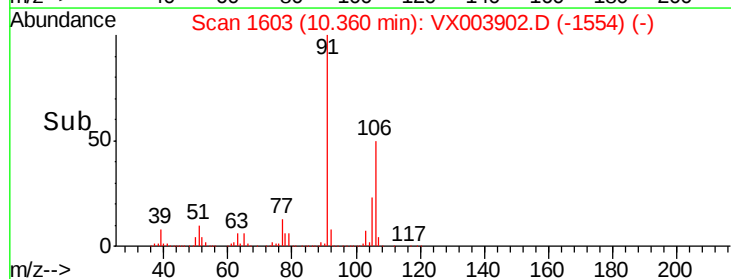
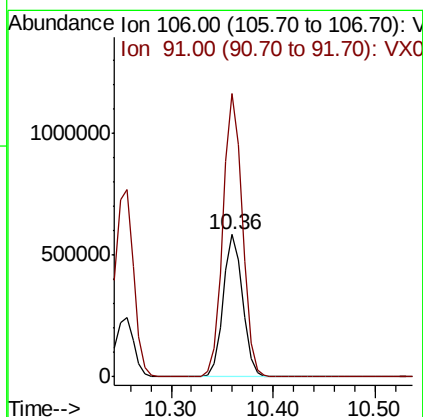
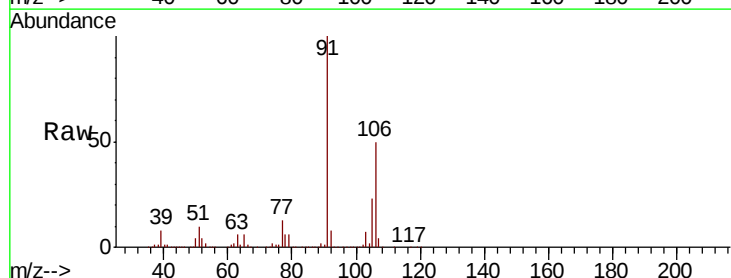
Acq: 08 Aug 2018 01:51

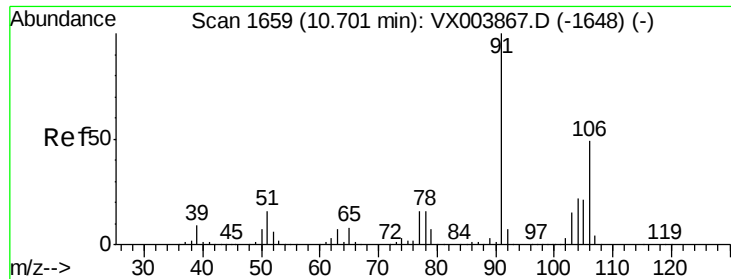
Tgt Ion: 106 Resp: 770032

Ion Ratio Lower Upper

106 100

91 200.4 162.3 243.5

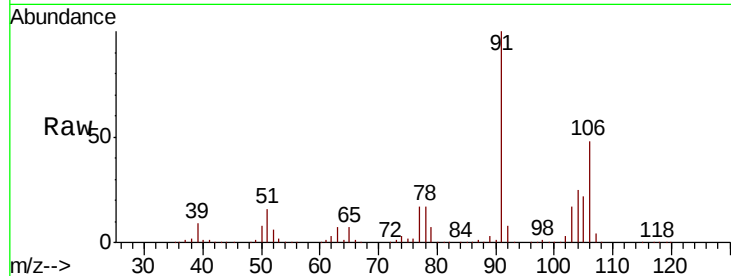




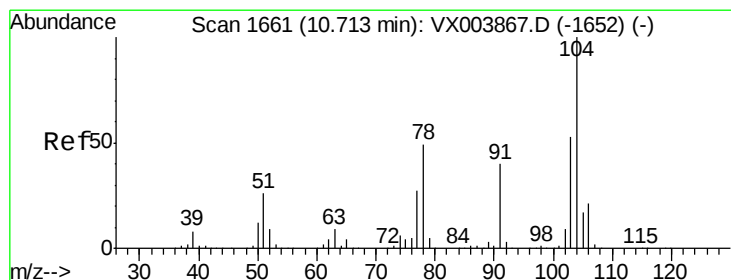
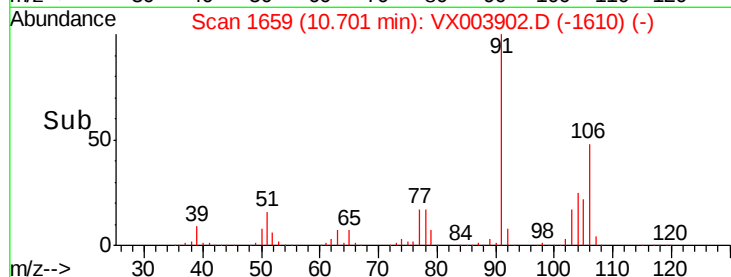
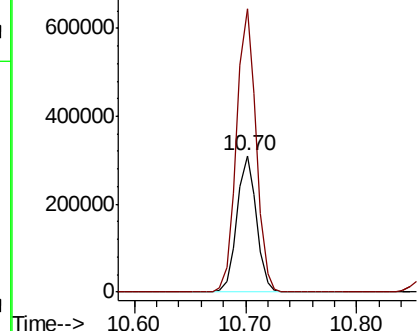
#69
o-Xylene
Concen: 51.50 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 374920
Ion Ratio Lower Upper
106 100
91 208.8 101.9 305.7

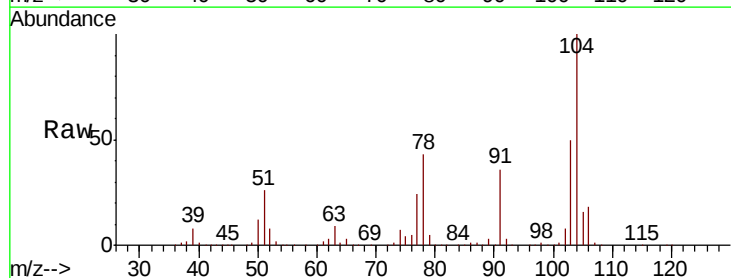


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

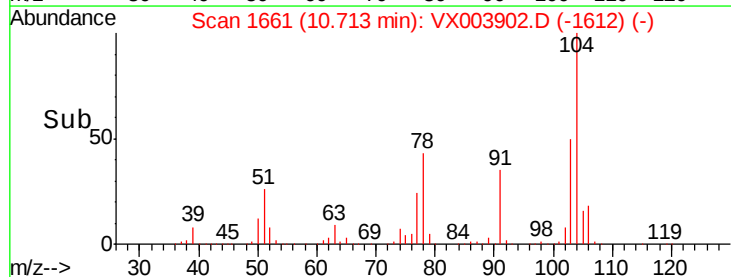
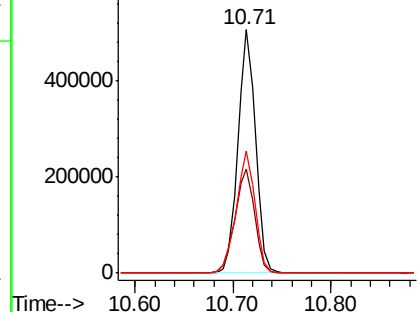


#70
Styrene
Concen: 52.91 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion:104 Resp: 630612
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.0 44.3 66.5



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

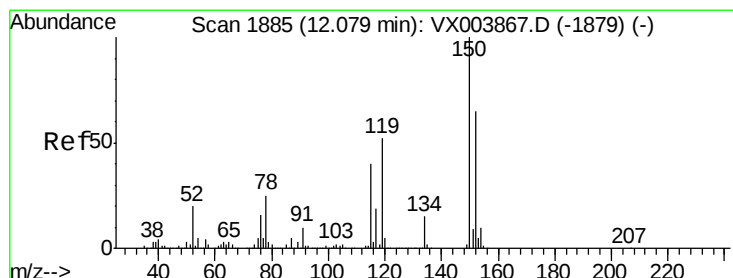
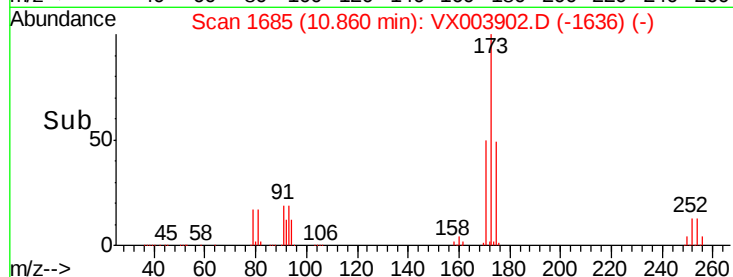
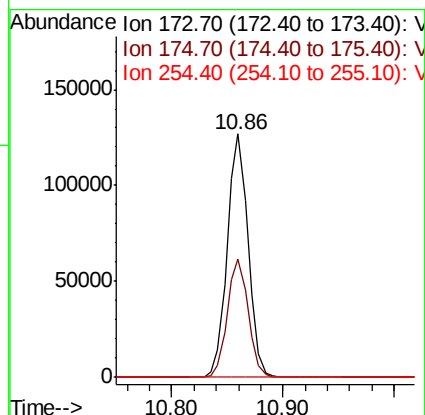
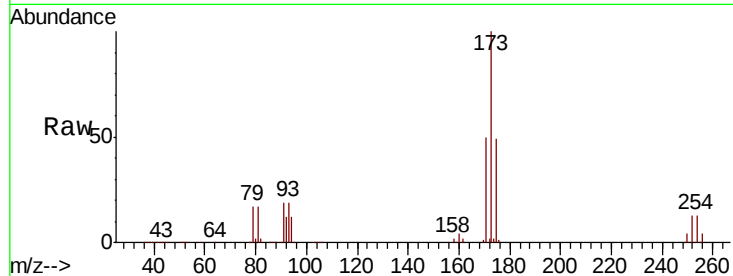




#71
Bromoform
Concen: 46.71 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

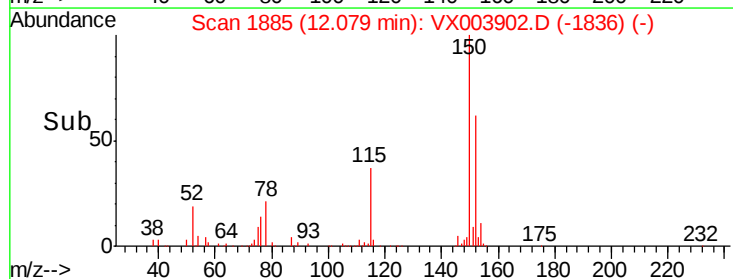
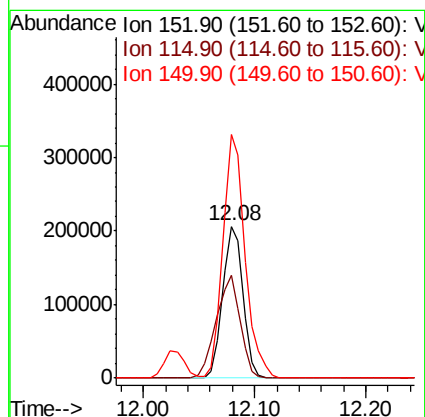
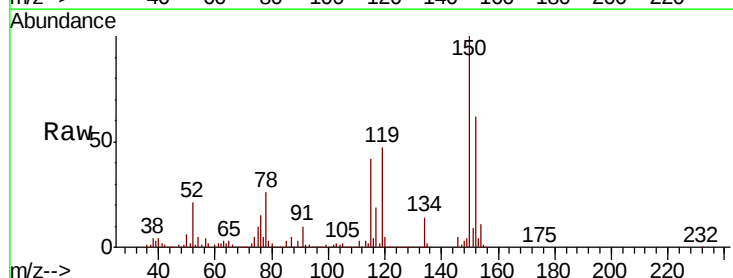
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 163429
Ion Ratio Lower Upper
173 100
175 49.0 24.9 74.7
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion:152 Resp: 259769
Ion Ratio Lower Upper
152 100
115 80.0 39.1 117.3
150 175.1 0.0 349.2





#73

Isopropylbenzene

Concen: 51.85 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

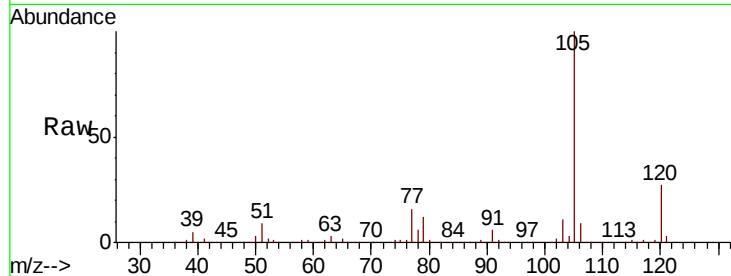
VSTDCCC050

Tot Ion:105 Resp: 996446

Ion Ratio Lower Upper

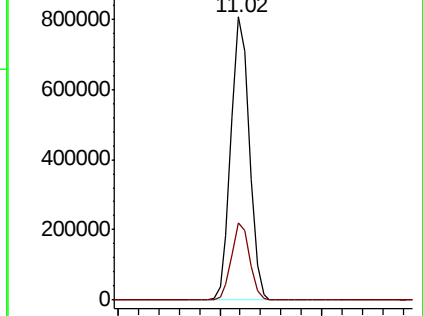
105 100

120 27.0 12.6 37.8

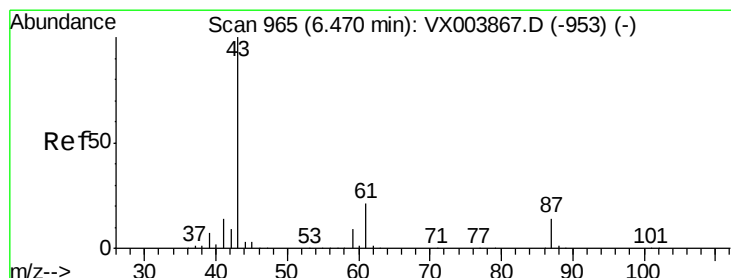
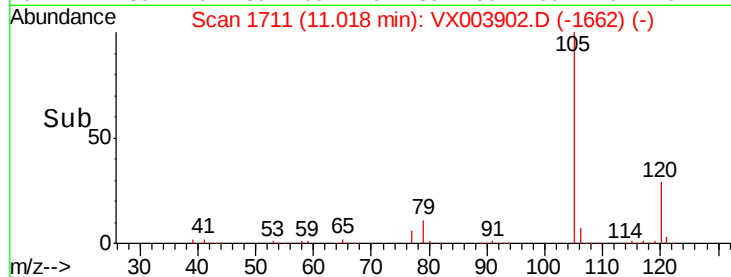


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 44.96 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Tgt Ion: 43 Resp: 449290

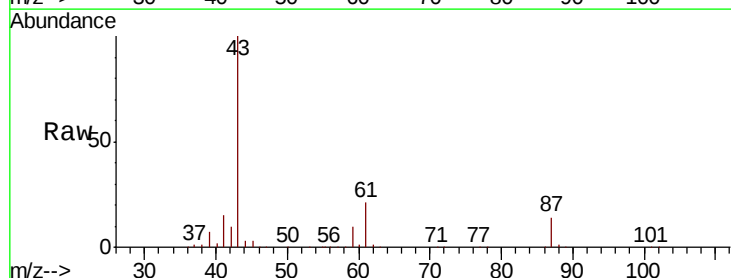
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 21.3 16.9 25.3

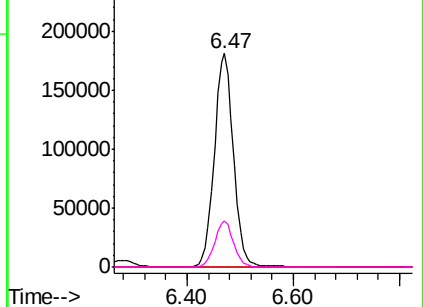


Abundance Ion 43.00 (42.70 to 43.70): VX0

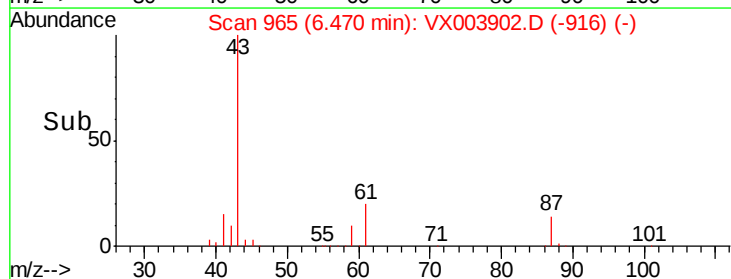
Ion 70.00 (69.70 to 70.70): VX0

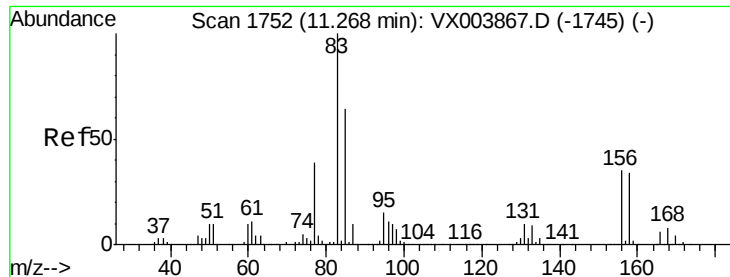
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 6.40 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 50.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

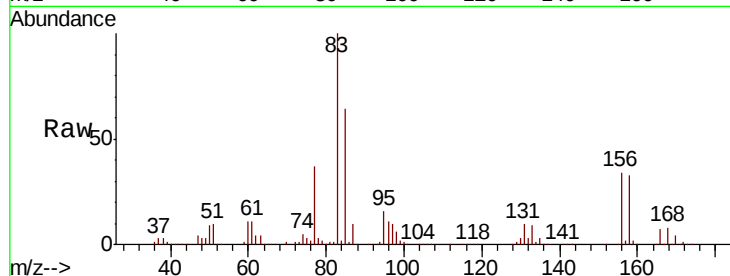
Tot Ion: 83 Resp: 330458

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

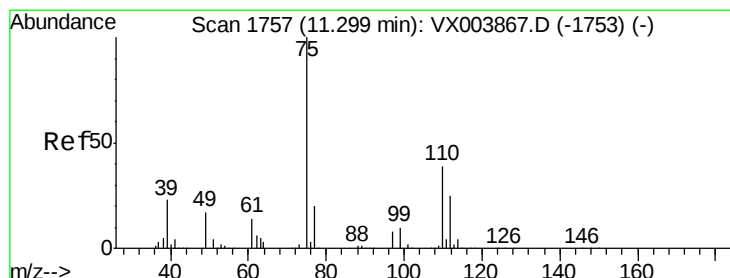
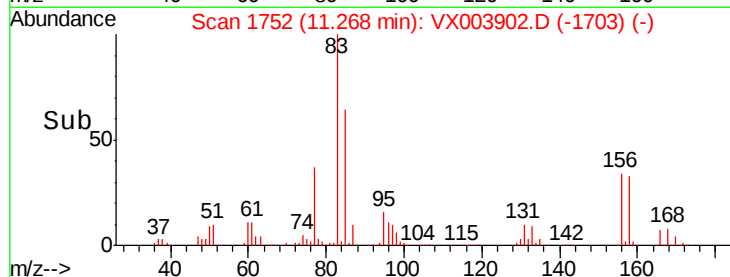
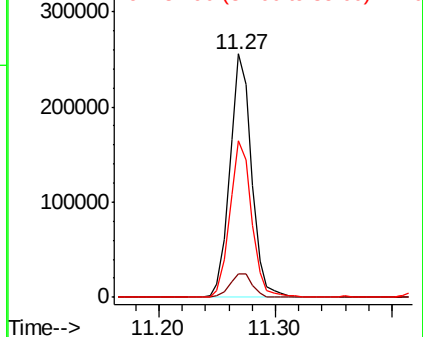
85 64.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.91 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003902.D

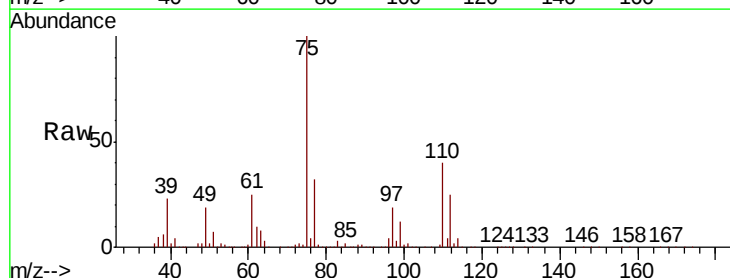
Acq: 08 Aug 2018 01:51

Tgt Ion: 75 Resp: 372422

Ion Ratio Lower Upper

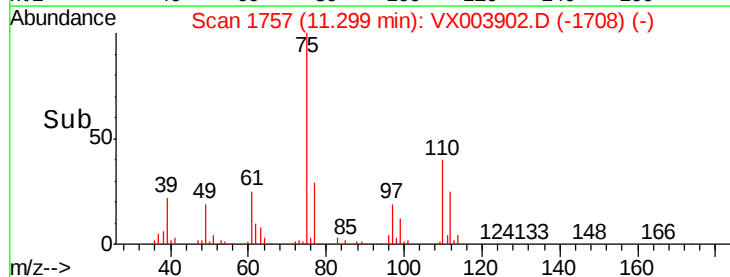
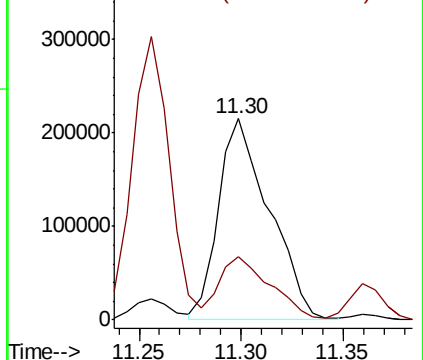
75 100

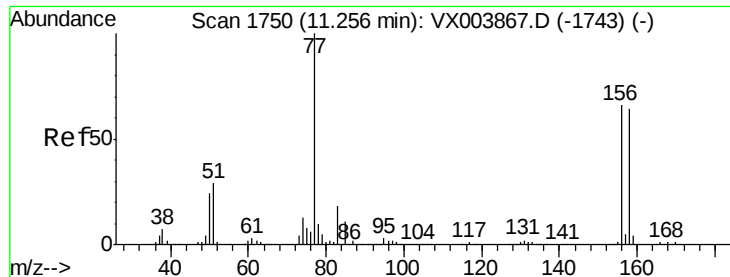
77 31.4 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.17 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

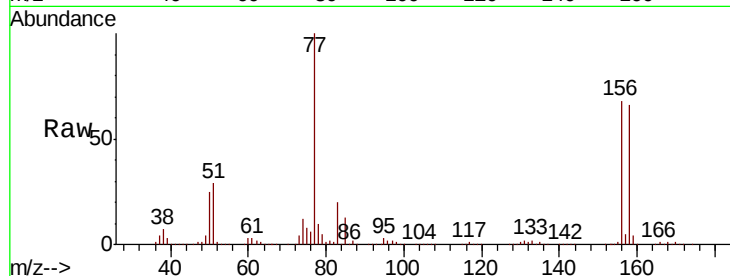
Tot Ion:156 Resp: 262327

Ion Ratio Lower Upper

156 100

77 146.9 74.1 222.2

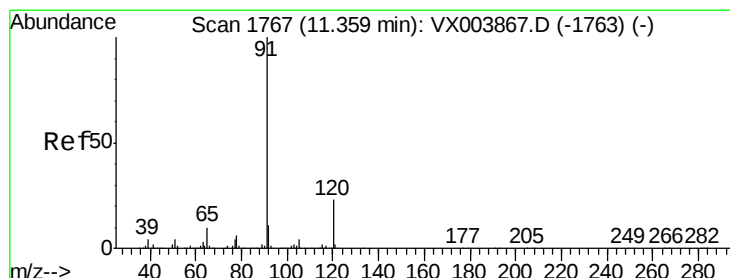
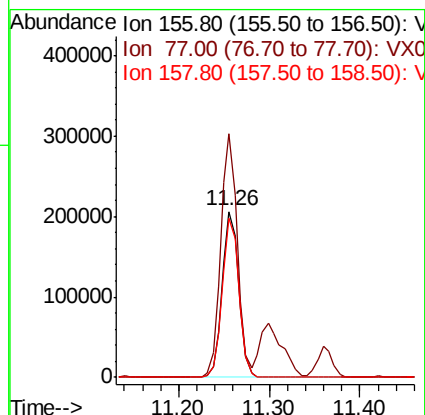
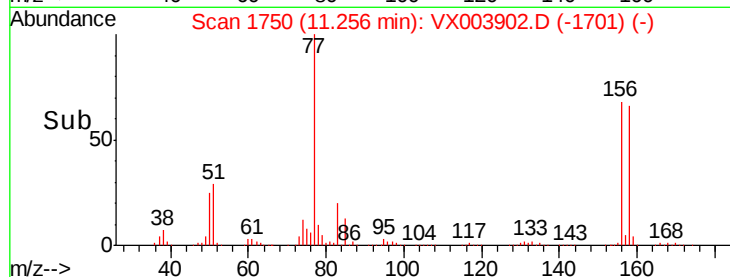
158 96.6 48.6 145.9



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: 53.09 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003902.D

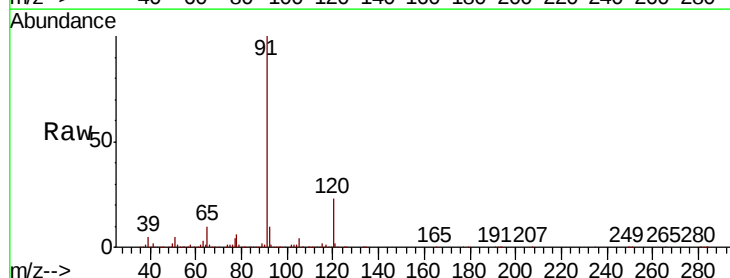
Acq: 08 Aug 2018 01:51

Tgt Ion: 91 Resp: 1145549

Ion Ratio Lower Upper

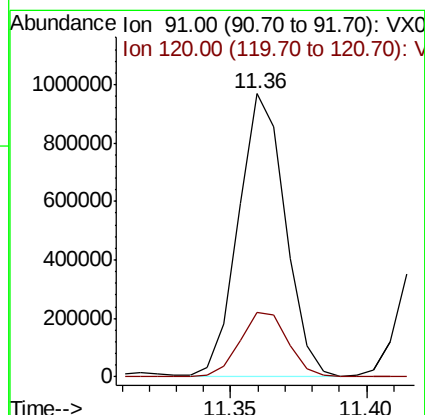
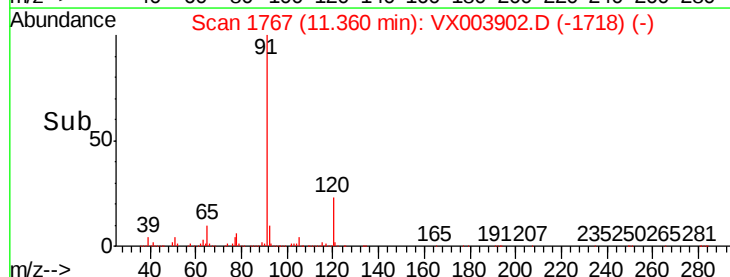
91 100

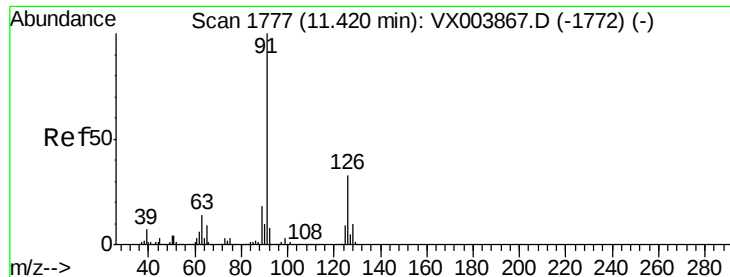
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

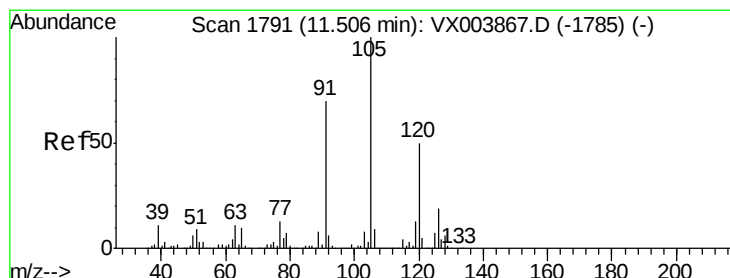
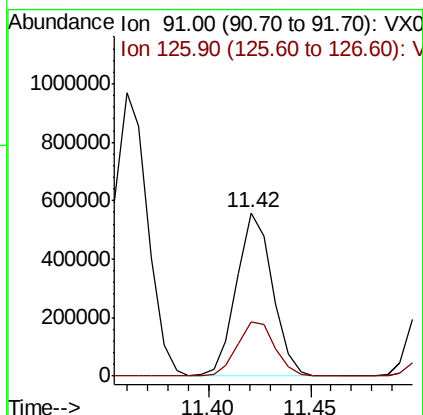
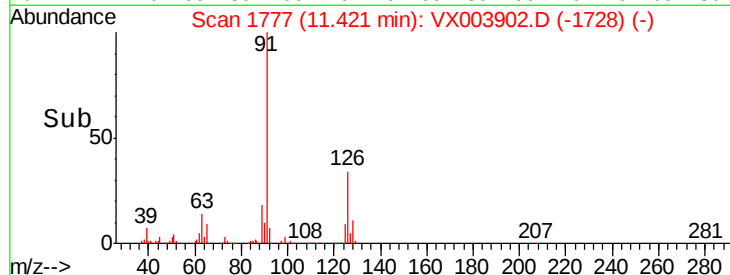
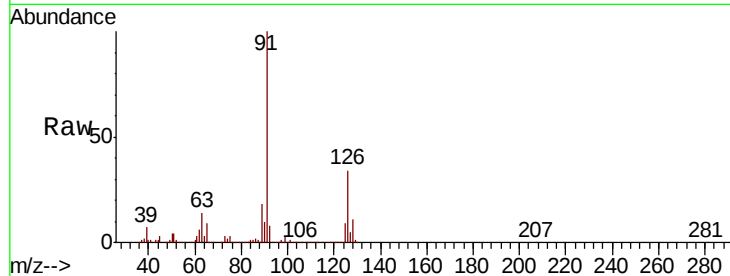




#79
 2-Chlorotoluene
 Concen: 51.81 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

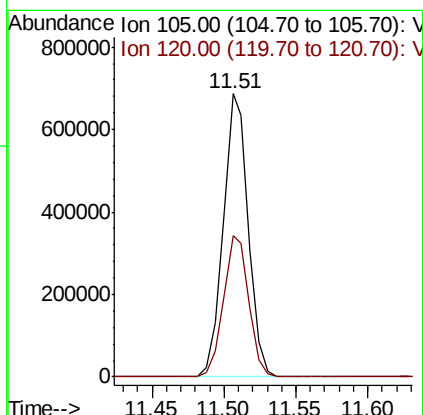
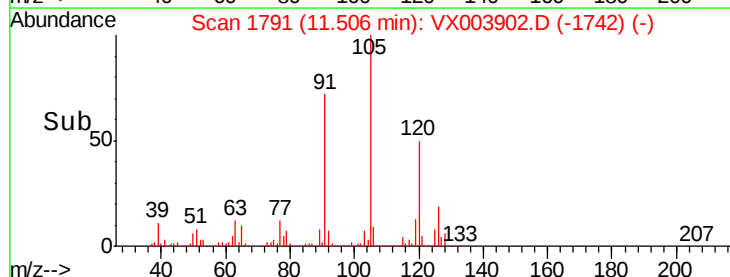
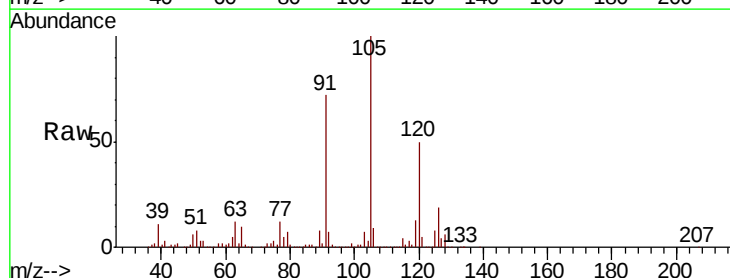
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

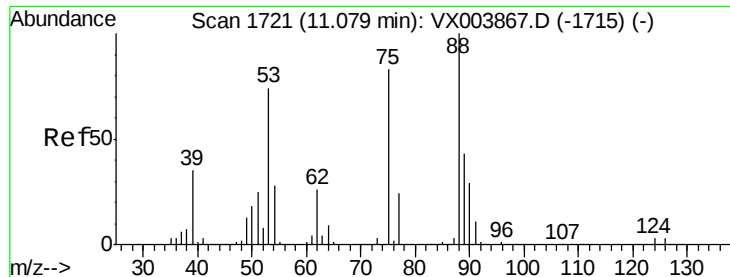
Tot Ion: 91 Resp: 681710
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 53.36 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 105 Resp: 836104
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 41.58 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

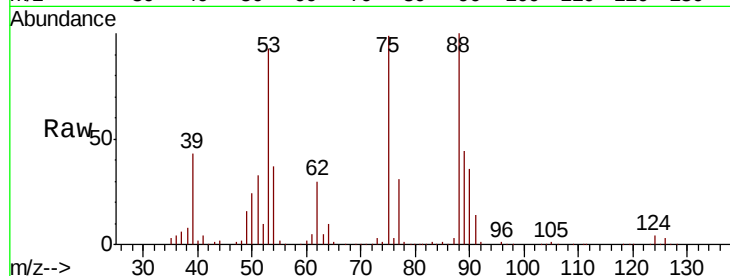
Tot Ion: 75 Resp: 86885

Ion Ratio Lower Upper

75 100

53 100.0 80.3 120.5

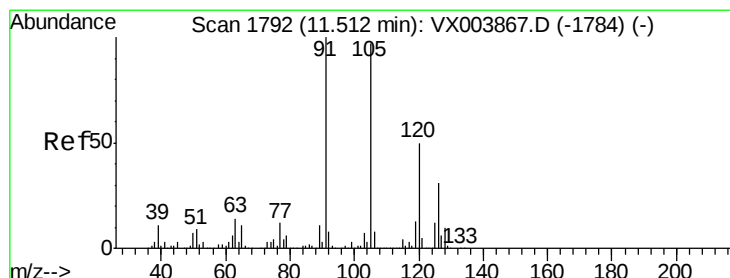
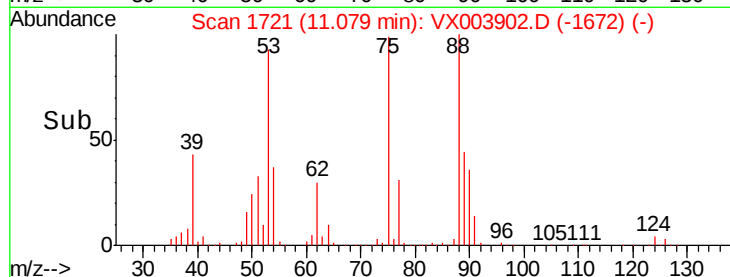
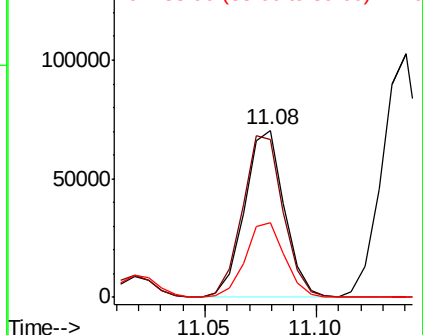
89 45.1 37.8 56.8



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: 51.48 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003902.D

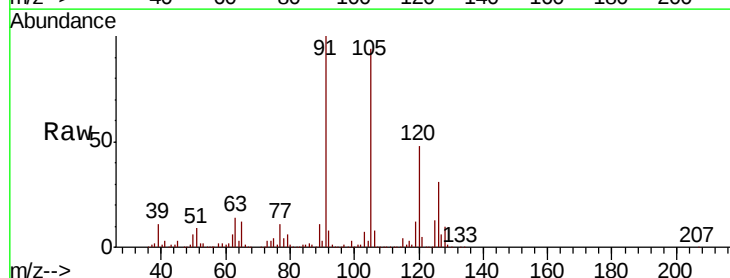
Acq: 08 Aug 2018 01:51

Tgt Ion: 91 Resp: 793446

Ion Ratio Lower Upper

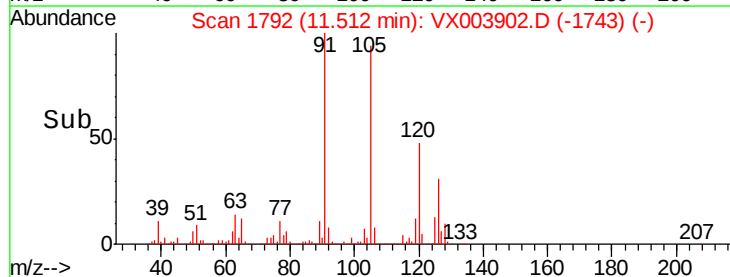
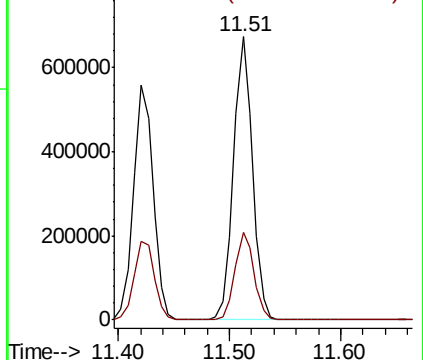
91 100

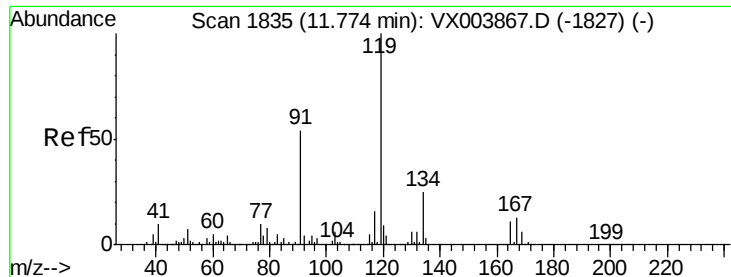
126 31.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

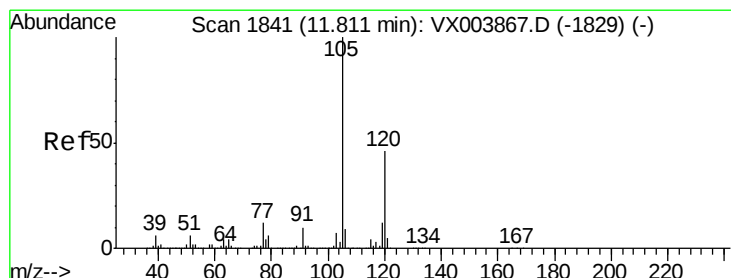
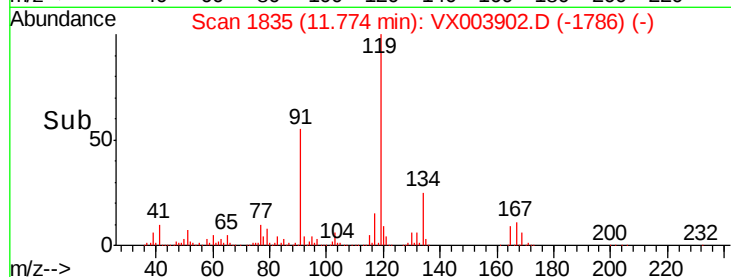
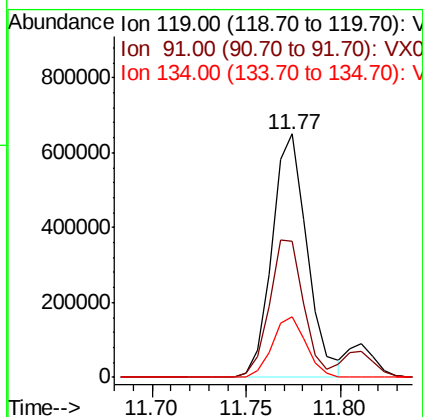
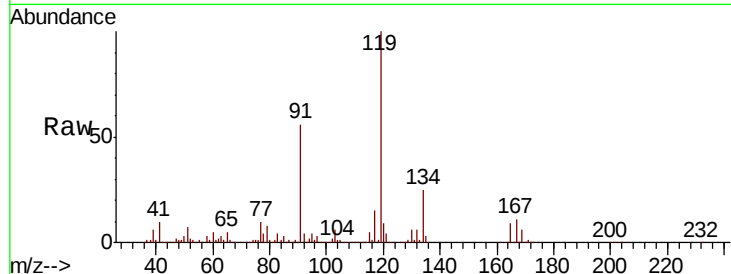




#83
 tert-Butylbenzene
 Concen: 54.37 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

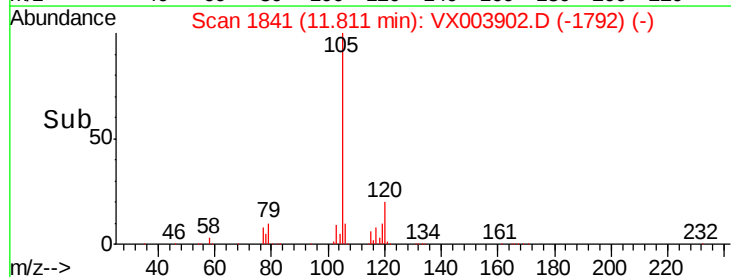
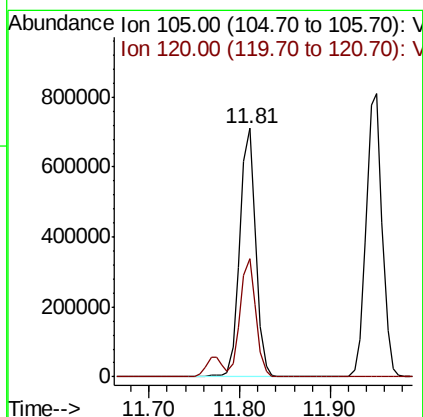
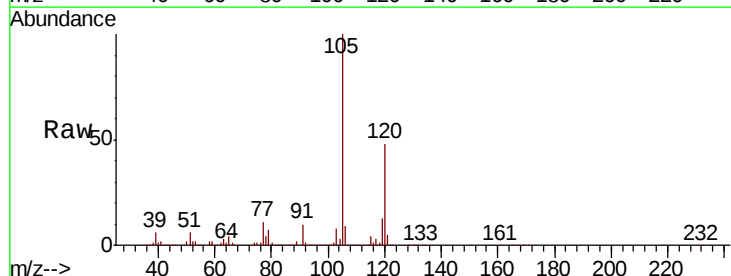
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

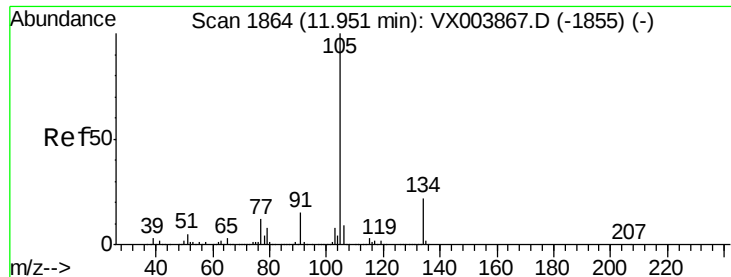
Tot Ion:119 Resp: 838153
 Ion Ratio Lower Upper
 119 100
 91 54.8 26.9 80.7
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 54.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion:105 Resp: 863855
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 54.32 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

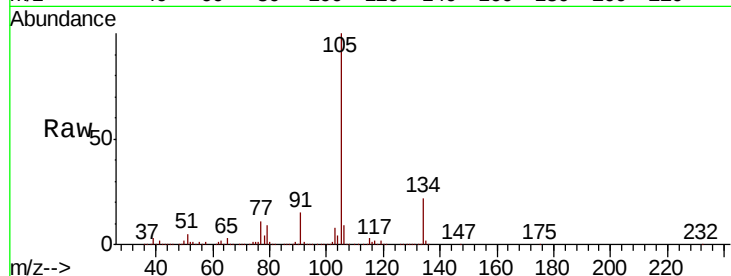
VSTDCCC050

Tot Ion:105 Resp: 988258

Ion Ratio Lower Upper

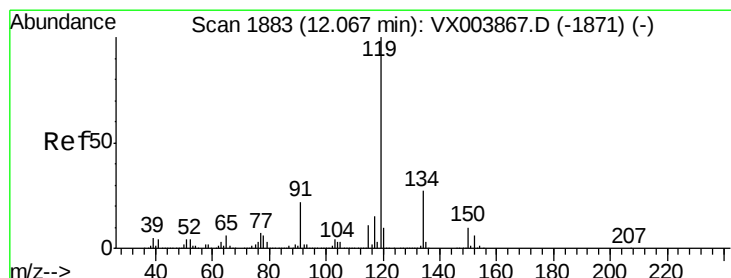
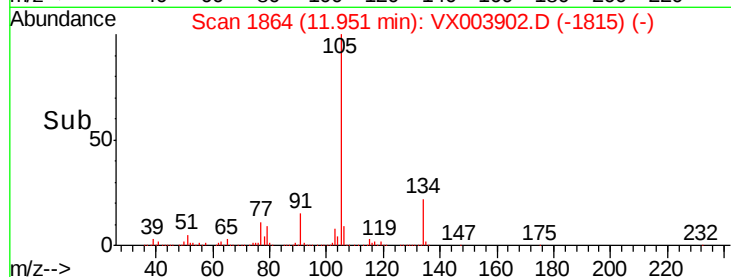
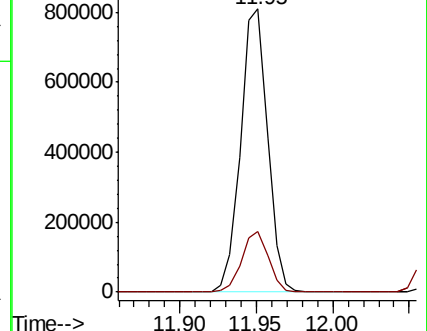
105 100

134 21.1 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.25 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

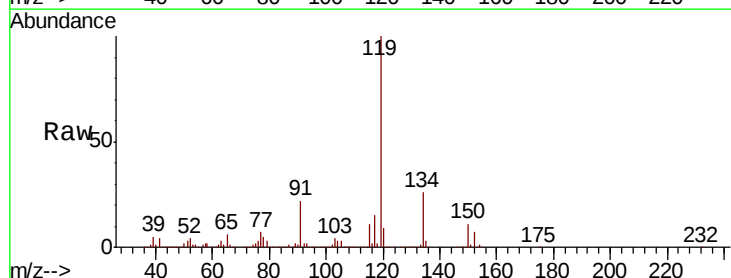
Tgt Ion:119 Resp: 853017

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

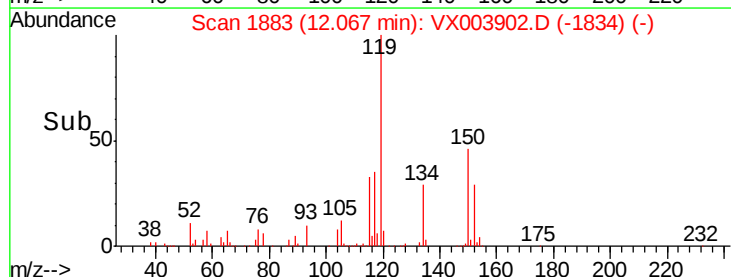
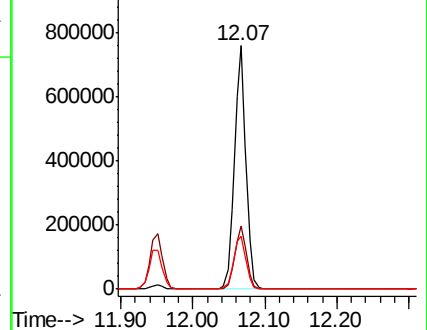
91 24.4 10.9 32.7

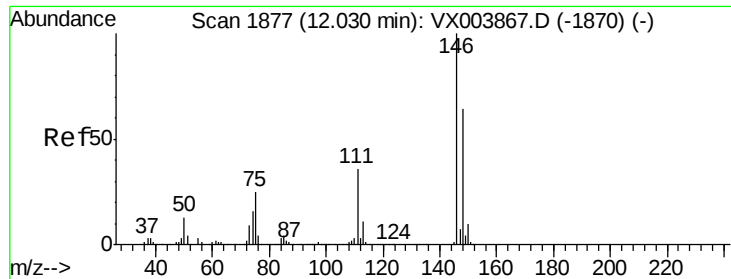


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.64 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

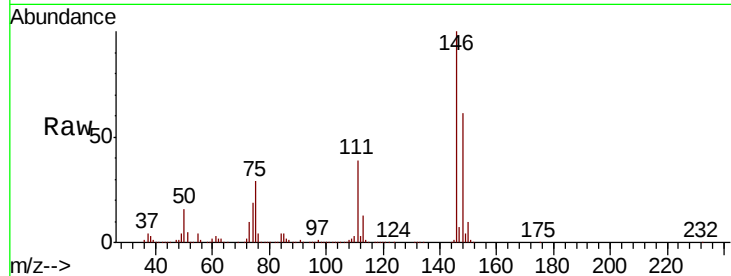
Tot Ion:146 Resp: 460925

Ion Ratio Lower Upper

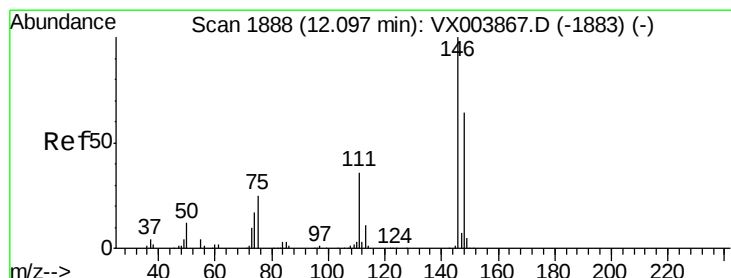
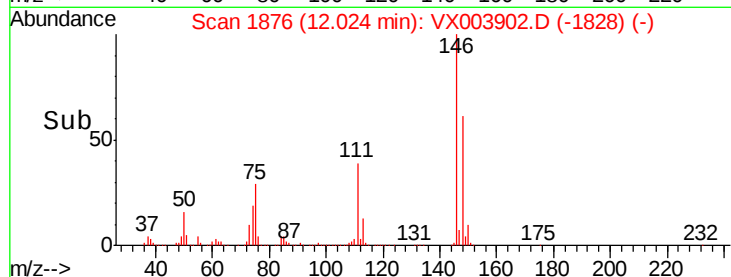
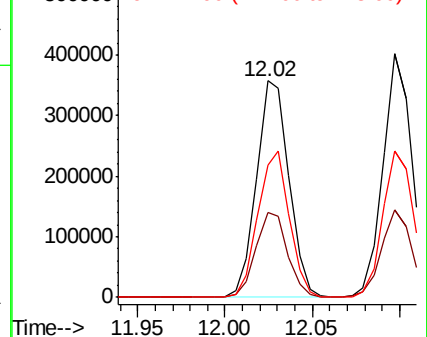
146 100

111 38.6 18.8 56.4

148 65.5 31.9 95.5



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: 51.20 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

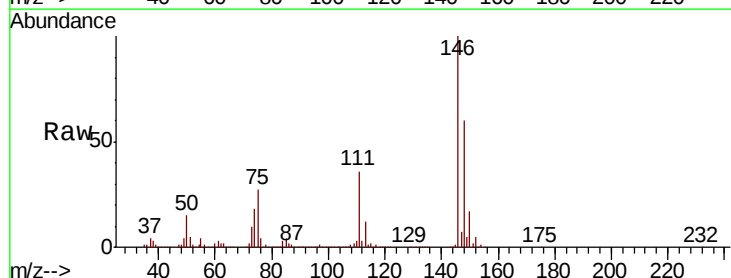
Tgt Ion:146 Resp: 465134

Ion Ratio Lower Upper

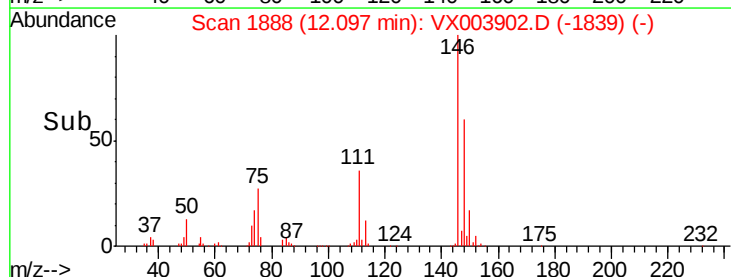
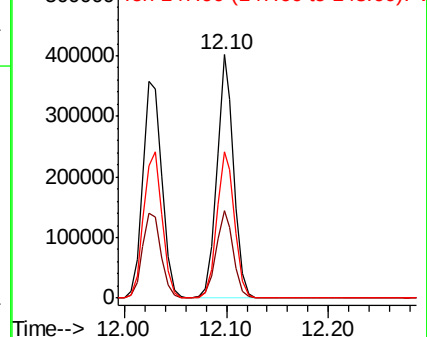
146 100

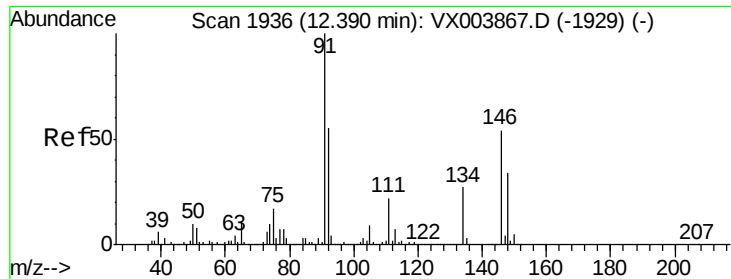
111 37.1 18.4 55.0

148 63.5 32.3 96.8



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

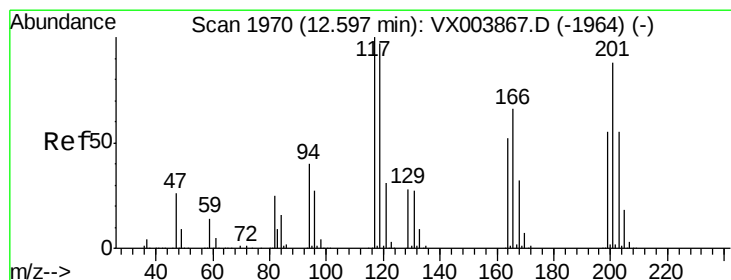
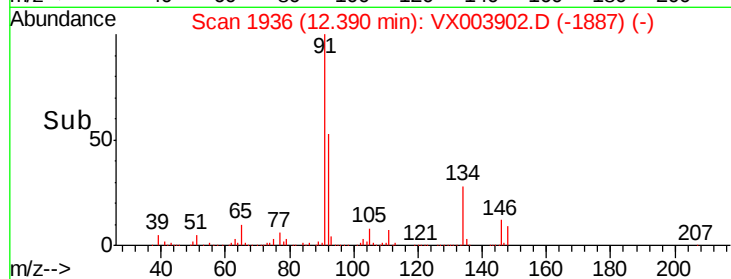
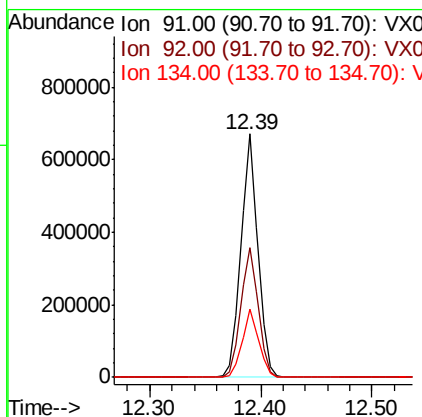
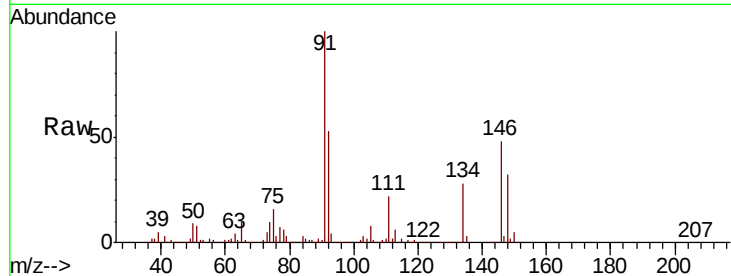




#89
n-Butylbenzene
Concen: 49.82 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

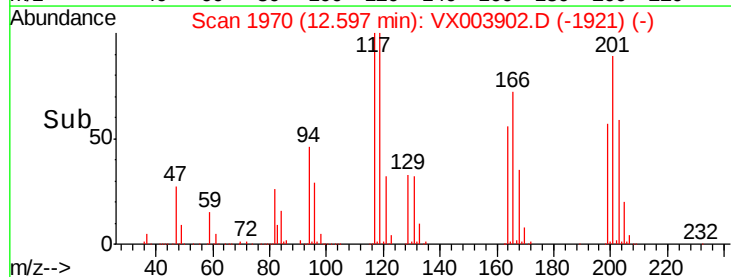
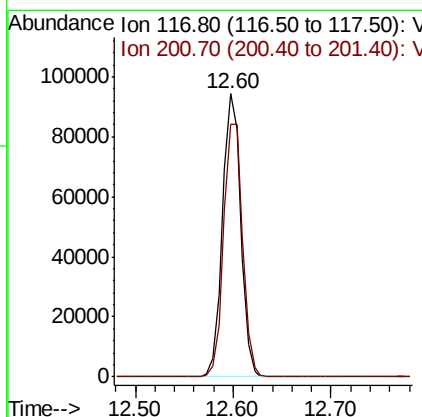
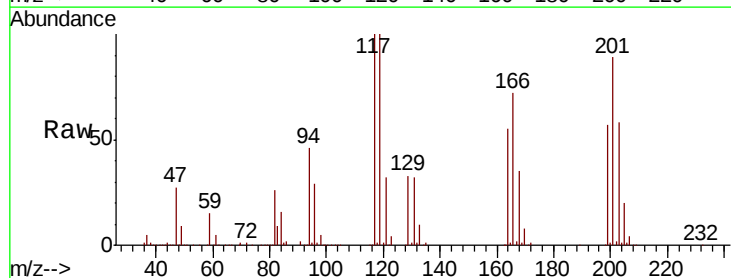
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

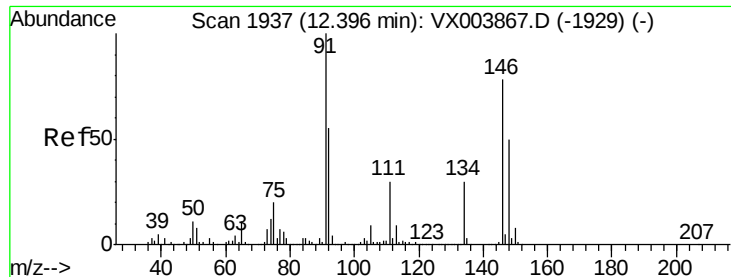
Tot Ion: 91 Resp: 708685
Ion Ratio Lower Upper
91 100
92 54.6 27.1 81.3
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 46.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003902.D
Acq: 08 Aug 2018 01:51

Tgt Ion: 117 Resp: 122632
Ion Ratio Lower Upper
117 100
201 92.4 46.1 138.2

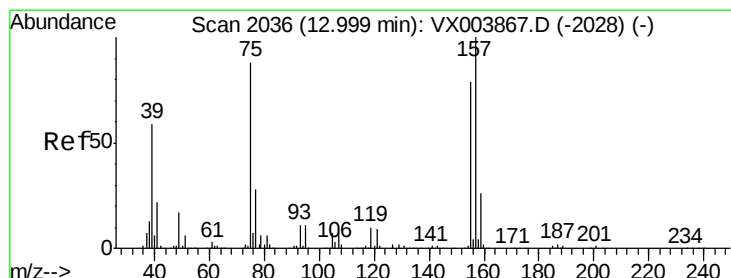
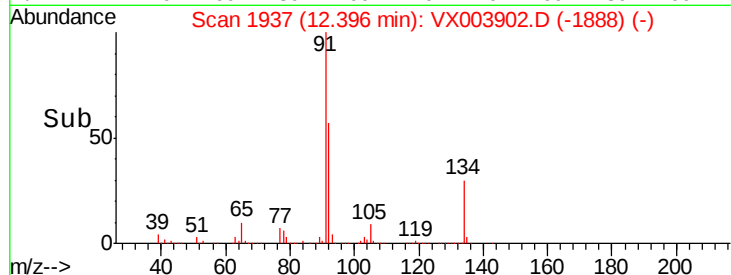
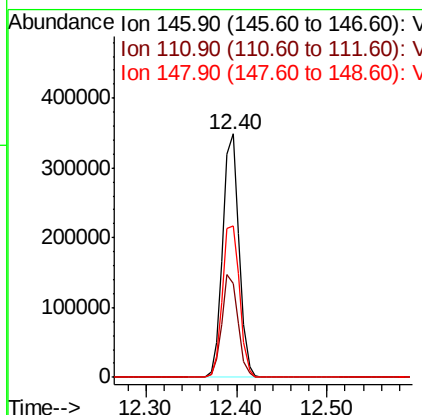
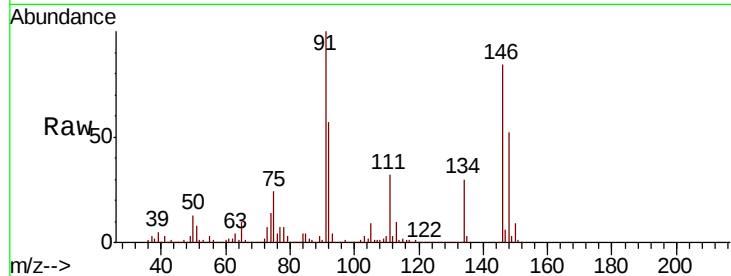




#91
 1,2-Dichlorobenzene
 Concen: 46.51 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

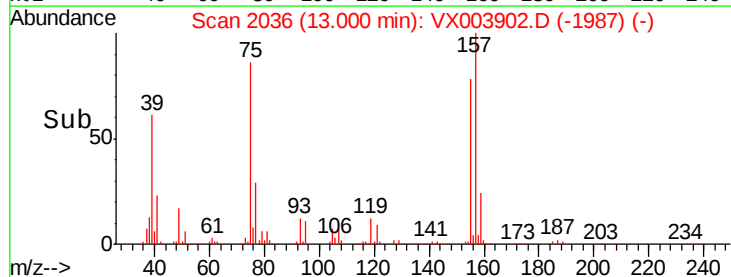
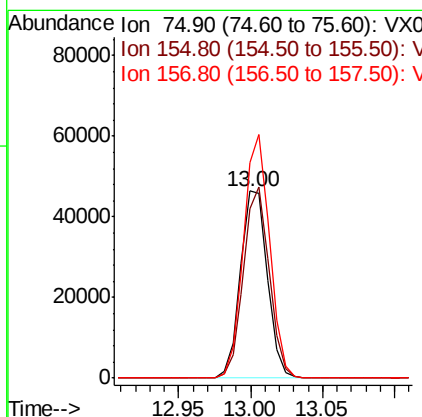
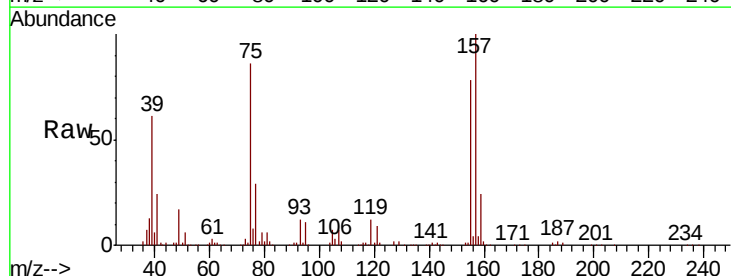
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

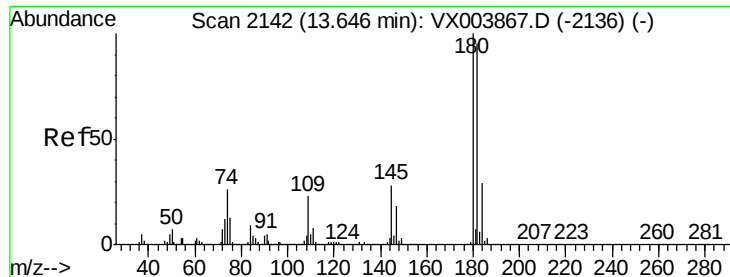
Tot Ion:146 Resp: 436863
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.0
 148 65.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.57 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion: 75 Resp: 60137
 Ion Ratio Lower Upper
 75 100
 155 97.5 48.7 146.1
 157 125.6 62.6 187.8

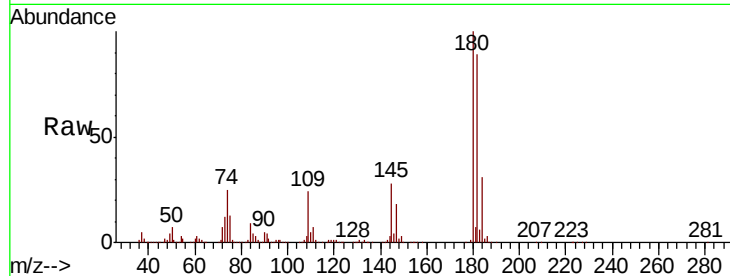




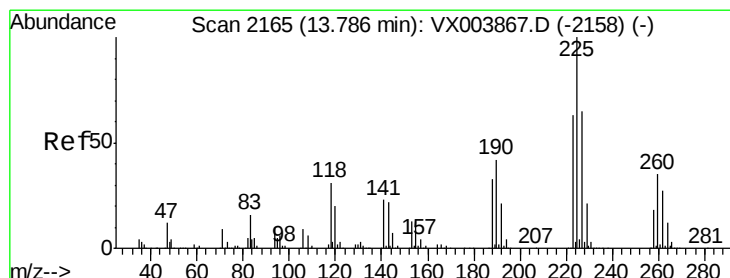
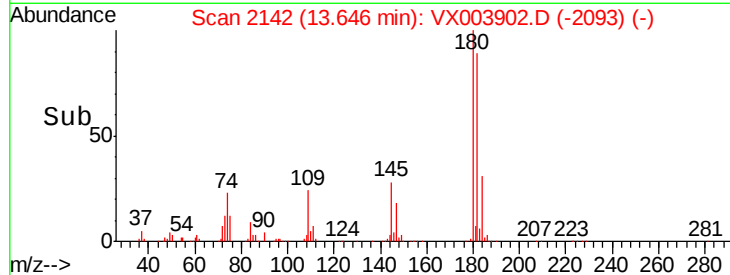
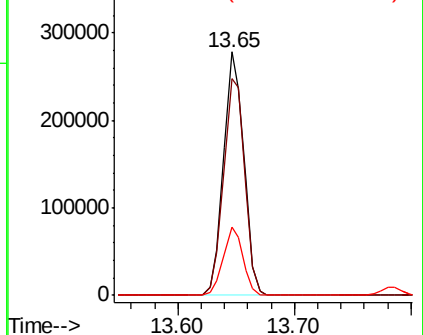
#93
 1,2,4-Trichlorobenzene
 Concen: 49.62 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 335186
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.7 143.1
 145 27.1 13.9 41.6

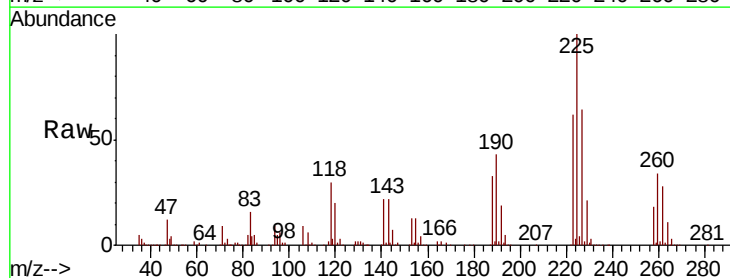


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

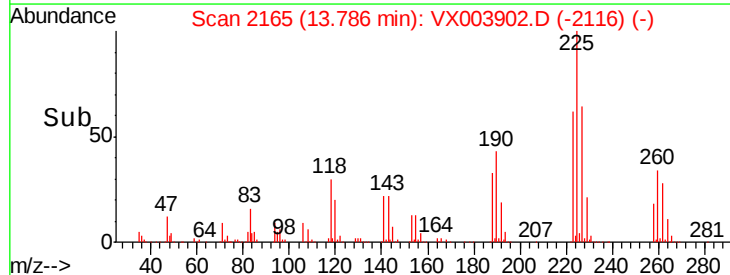
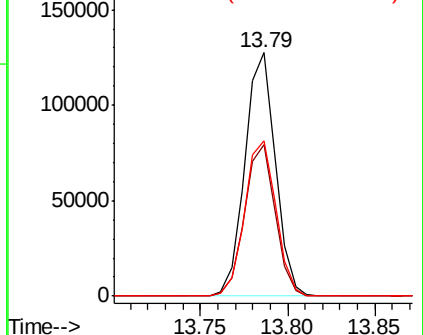


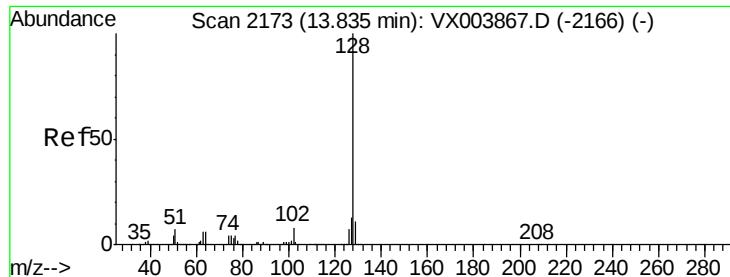
#94
 Hexachlorobutadiene
 Concen: 51.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003902.D
 Acq: 08 Aug 2018 01:51

Tgt Ion:225 Resp: 154416
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.0
 227 65.6 32.1 96.5



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





#95

Naphthalene

Concen: 56.22 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

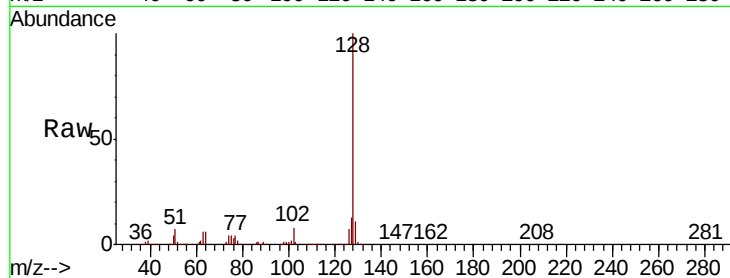
Tot Ion:128 Resp: 1087789

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

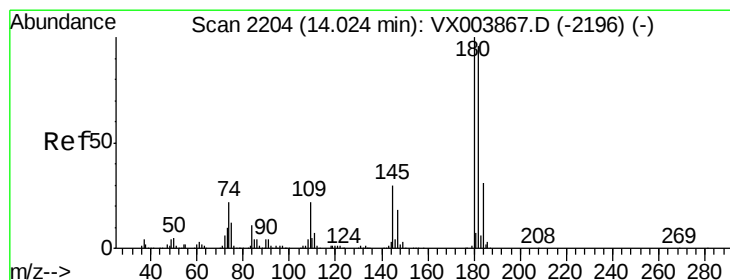
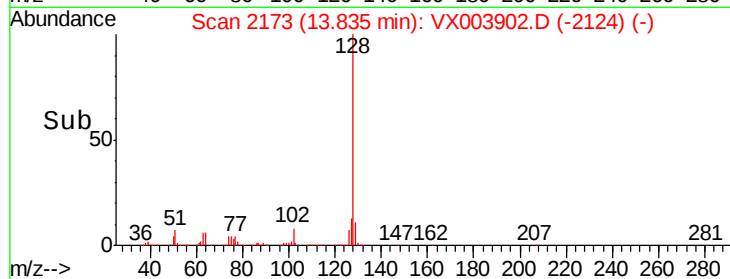
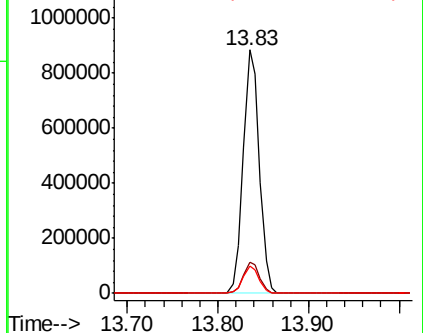
129 10.9 8.8 13.2



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: 53.07 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003902.D

Acq: 08 Aug 2018 01:51

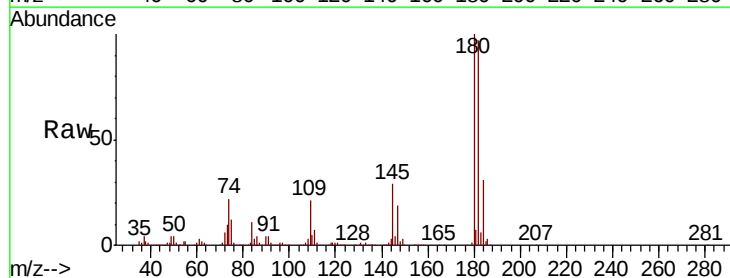
Tgt Ion:180 Resp: 357756

Ion Ratio Lower Upper

180 100

182 96.7 48.1 144.4

145 29.9 14.9 44.7



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

