

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003094.D
 Acq On : 30 Jun 2018 22:02
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 02 02:48:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230148	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	184761	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.51	113	154902	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	8.72	98	547005	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.14	95	214635	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145156	58.20	ug/l	100
3) Chloromethane	1.32	50	138217	53.41	ug/l	100
4) Vinyl Chloride	1.41	62	158752	50.21	ug/l	94
5) Bromomethane	1.64	94	58449	39.00	ug/l	99
6) Chloroethane	1.71	64	98533	53.25	ug/l	98
7) Trichlorofluoromethane	1.92	101	247693	46.44	ug/l	98
8) Diethyl Ether	2.19	74	93678	48.31	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	142958	46.26	ug/l	98
10) Methyl Iodide	2.51	142	144203	46.51	ug/l	98
11) Tert butyl alcohol	3.09	59	176950	229.85	ug/l	99
12) 1,1-Dichloroethene	2.37	96	130381	47.28	ug/l	93
13) Acrolein	2.29	56	62229	147.56	ug/l	99
14) Allyl chloride	2.73	41	253316	46.60	ug/l	95
15) Acrylonitrile	3.15	53	403474	245.36	ug/l	100
16) Acetone	2.45	43	371132	231.89	ug/l	97
17) Carbon Disulfide	2.57	76	338415	46.06	ug/l	97
18) Methyl Acetate	2.78	43	211366	47.24	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	475405	47.96	ug/l	99
20) Methylene Chloride	2.86	84	148352	47.63	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	140642	46.83	ug/l	94
22) Diisopropyl ether	3.88	45	511695	49.25	ug/l	99
23) Vinyl Acetate	3.83	43	2169033	246.54	ug/l	98
24) 1,1-Dichloroethane	3.70	63	267483	47.36	ug/l	100
25) 2-Butanone	4.71	43	602694	253.74	ug/l	97
26) 2,2-Dichloropropane	4.59	77	158130	34.44	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	169682	50.39	ug/l	91
28) Bromochloromethane	5.02	49	131736	48.74	ug/l	91
29) Tetrahydrofuran	5.17	42	382534	251.14	ug/l	96
30) Chloroform	5.22	83	283862	48.98	ug/l	98
31) Cyclohexane	5.57	56	233290	48.14	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	253243	49.66	ug/l	98
36) 1,1-Dichloropropene	5.80	75	201763	48.12	ug/l	98
37) Ethyl Acetate	4.87	43	233534	51.73	ug/l	99
38) Carbon Tetrachloride	5.79	117	225626	49.04	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	226398	46.36	ug/l	96
40) Benzene	6.15	78	608449	49.95	ug/l	100
41) Methacrylonitrile	5.07	41	134800	51.86	ug/l	97
42) 1,2-Dichloroethane	6.20	62	232876	47.32	ug/l	99
43) Isopropyl Acetate	6.47	43	376246	49.69	ug/l	98
44) Trichloroethene	7.22	130	177913	48.98	ug/l	100
45) 1,2-Dichloropropane	7.52	63	160325	49.61	ug/l	99
46) Dibromomethane	7.66	93	110217	49.15	ug/l	96
47) Bromodichloromethane	7.90	83	209633	50.56	ug/l	96
48) Methyl methacrylate	7.78	41	194359	49.82	ug/l	95
49) 1,4-Dioxane	7.76	88	79390	1046.00	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1217905	257.11	ug/l	97
52) Toluene	8.79	92	393512	50.42	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	238195	50.73	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	218821	48.43	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	163101	50.86	ug/l	98
56) Ethyl methacrylate	9.19	69	248625	53.05	ug/l	95
57) 1,3-Dichloropropane	9.38	76	265955	50.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	580397	256.68	ug/l	97
59) 2-Hexanone	9.50	43	926435	257.34	ug/l	97
60) Dibromochloromethane	9.59	129	177583	52.60	ug/l	100
61) 1,2-Dibromoethane	9.68	107	172520	51.29	ug/l	100
64) Tetrachloroethene	9.34	164	210719	51.67	ug/l	99
65) Chlorobenzene	10.14	112	459095	49.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	171962	50.82	ug/l	99
67) Ethyl Benzene	10.26	91	773429	50.26	ug/l	100
68) m/p-Xylenes	10.37	106	600052	101.18	ug/l	98
69) o-Xylene	10.70	106	293776	50.87	ug/l	98
70) Styrene	10.71	104	492651	52.50	ug/l	98
71) Bromoform	10.86	173	138696	45.72	ug/l	100
73) Isopropylbenzene	11.02	105	795486	51.38	ug/l	100
74) N-amyl acetate	6.47	43	376246	49.67	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	244513	51.27	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	272462	65.36	ug/l	79
77) Bromobenzene	11.26	156	221679	50.28	ug/l	97
78) n-propylbenzene	11.37	91	885615	50.25	ug/l	99
79) 2-Chlorotoluene	11.43	91	533475	50.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	664354	50.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59903	42.25	ug/l	100
82) 4-Chlorotoluene	11.51	91	627007	49.64	ug/l	99
83) tert-Butylbenzene	11.77	119	651215	50.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	685170	50.71	ug/l	99
85) sec-Butylbenzene	11.95	105	776091	49.78	ug/l	100
86) p-Isopropyltoluene	12.07	119	698290	49.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	405065	50.30	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	405603	48.94	ug/l	99
89) n-Butylbenzene	12.39	91	580316	47.57	ug/l	99
90) Hexachloroethane	12.60	117	103266	49.53	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	404897	49.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54532	50.86	ug/l	94

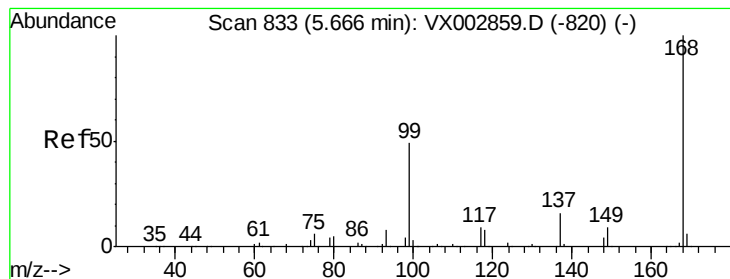
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	293704	49.65	ug/l	100
94) Hexachlorobutadiene	13.79	225	143088	48.50	ug/l	99
95) Naphthalene	13.84	128	852249	54.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	301802	51.08	ug/l	99

(#) = 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: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

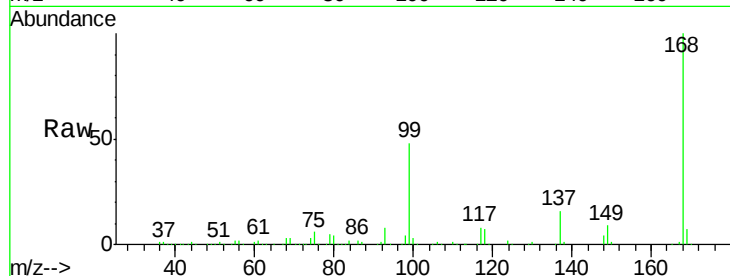
VSTDCCC050EC

Tot Ion:168 Resp: 279599

Ion Ratio Lower Upper

168 100

99 47.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

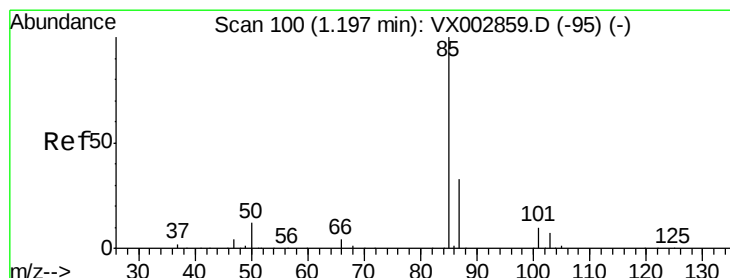
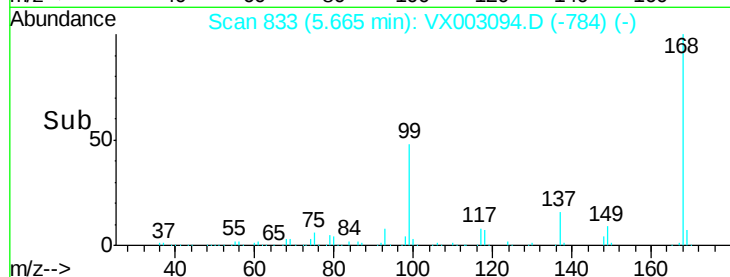
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 58.20 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003094.D

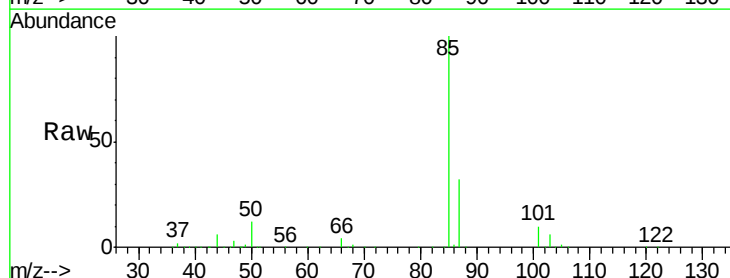
Acq: 30 Jun 2018 22:02

Tgt Ion: 85 Resp: 145156

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

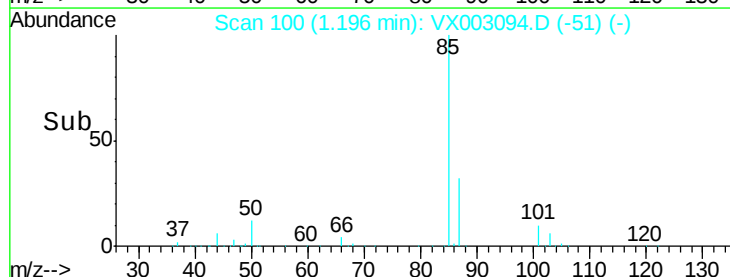
100000

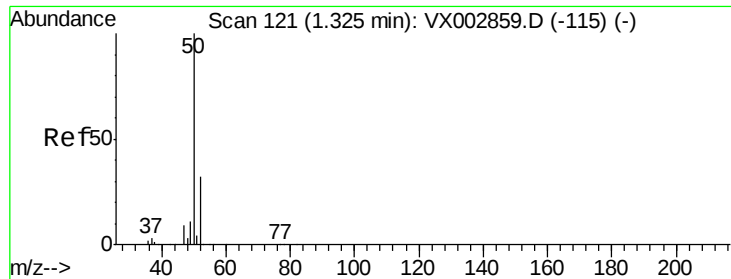
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 53.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

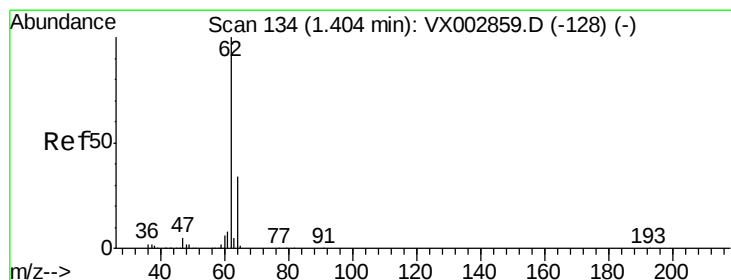
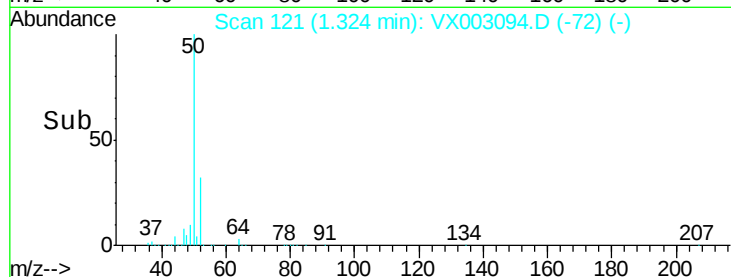
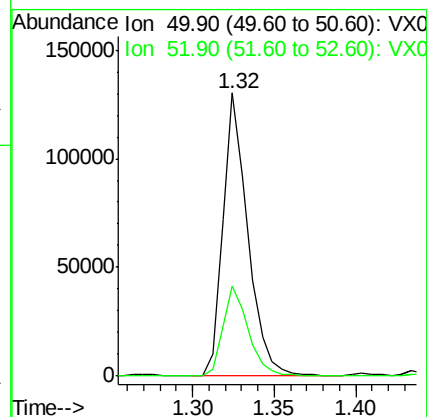
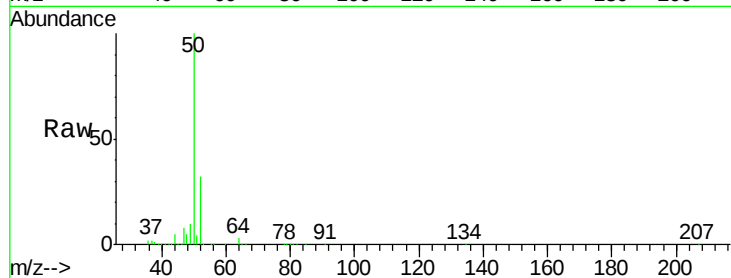
VSTDCCC050EC

Tot Ion: 50 Resp: 138217

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



#4

Vinyl Chloride

Concen: 50.21 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003094.D

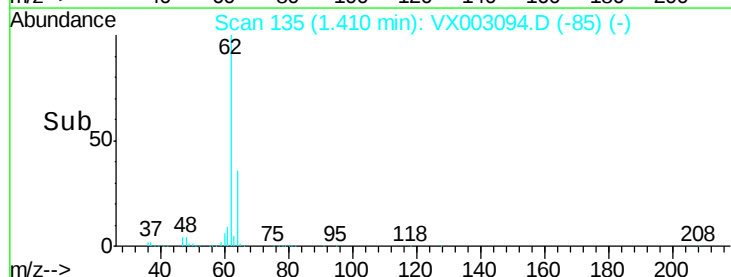
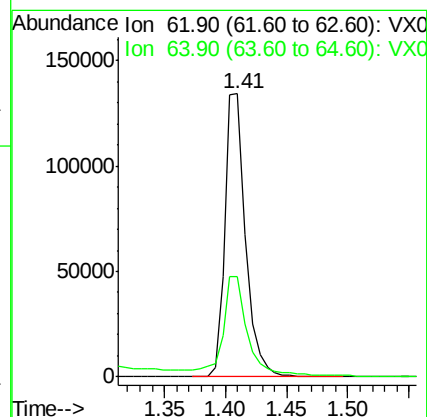
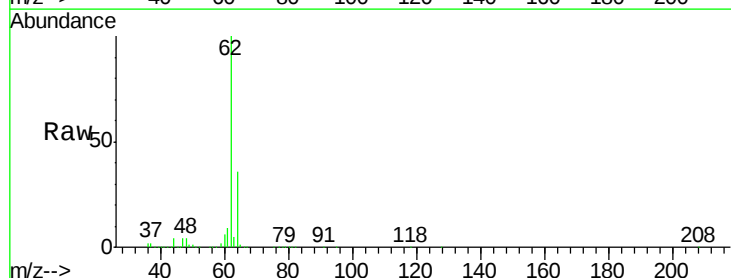
Acq: 30 Jun 2018 22:02

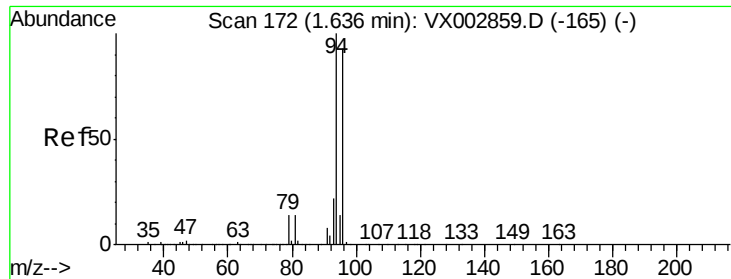
Tgt Ion: 62 Resp: 158752

Ion Ratio Lower Upper

62 100

64 35.0 25.4 38.2





#5

Bromomethane

Concen: 39.00 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

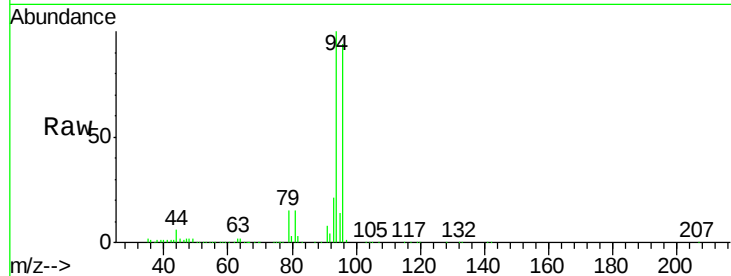
VSTDCCC050EC

Tot Ion: 94 Resp: 58449

Ion Ratio Lower Upper

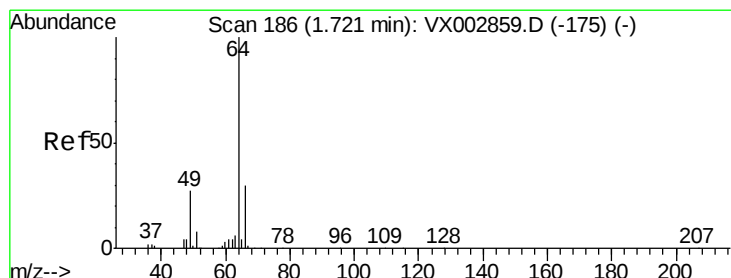
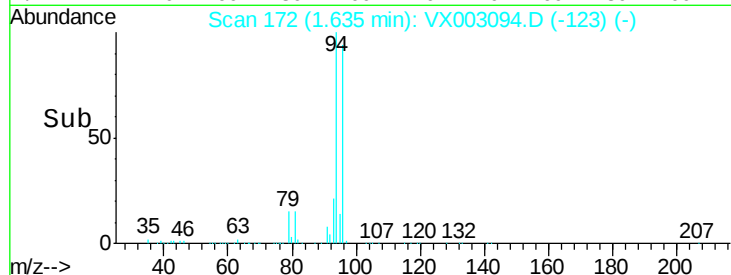
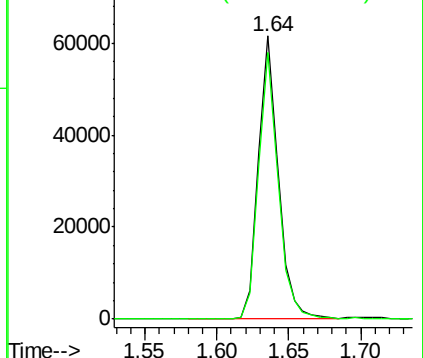
94 100

96 94.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.25 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003094.D

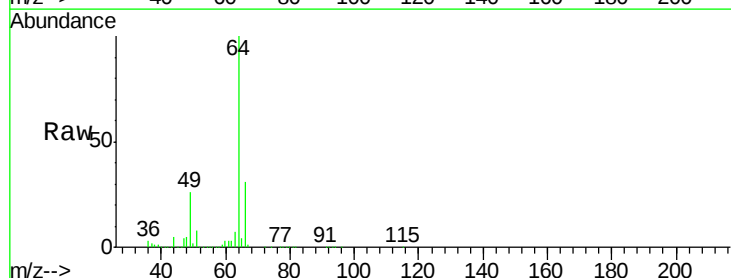
Acq: 30 Jun 2018 22:02

Tgt Ion: 64 Resp: 98533

Ion Ratio Lower Upper

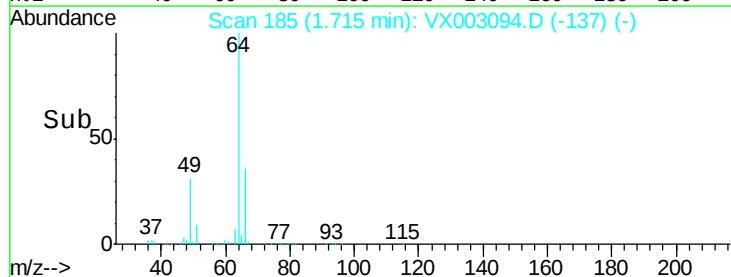
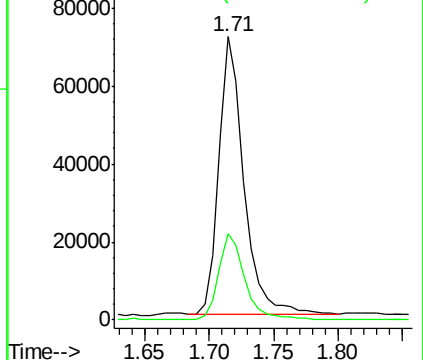
64 100

66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



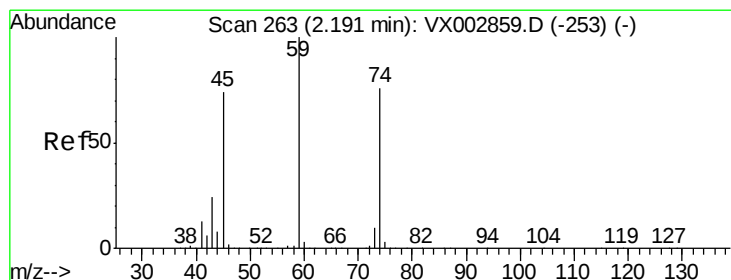
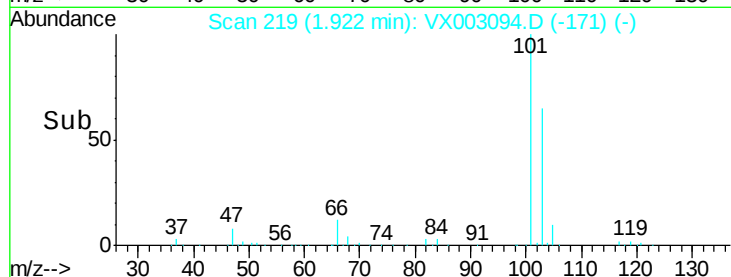
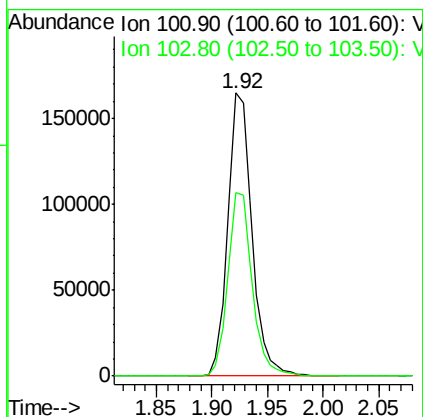
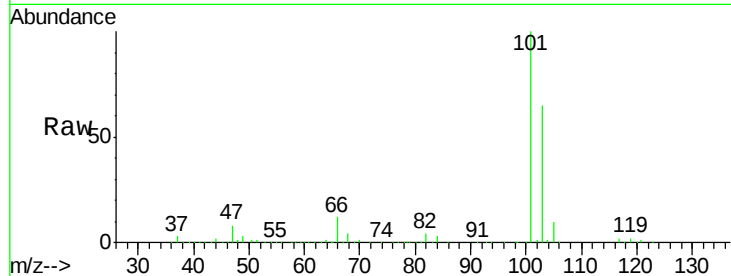


#7

Trichlorofluoromethane
Concen: 46.44 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Instrument :
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VSTDCCC050EC

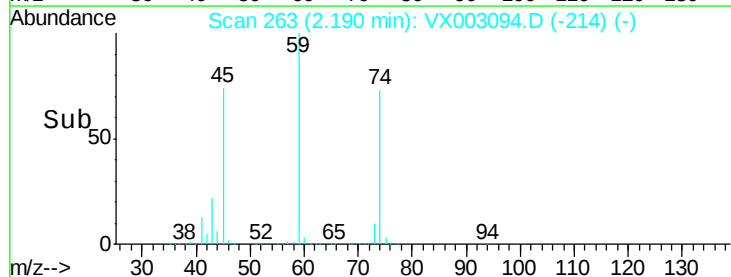
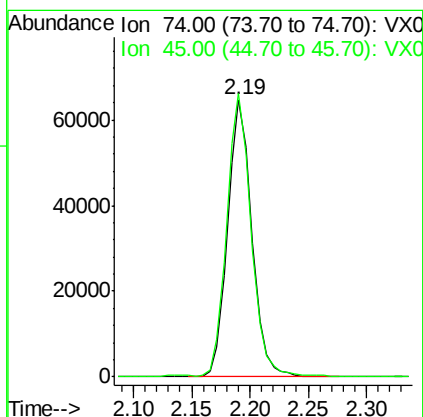
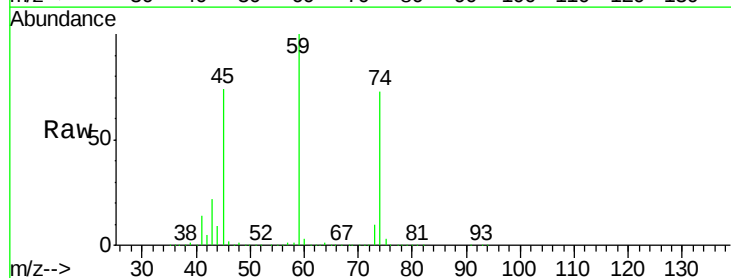
Tot Ion:101 Resp: 247693
Ion Ratio Lower Upper
101 100
103 64.6 52.8 79.2



#8

Diethyl Ether
Concen: 48.31 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 74 Resp: 93678
Ion Ratio Lower Upper
74 100
45 101.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.26 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

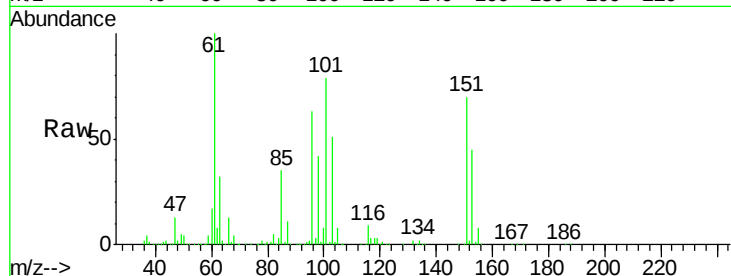
Tot Ion:101 Resp: 142958

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

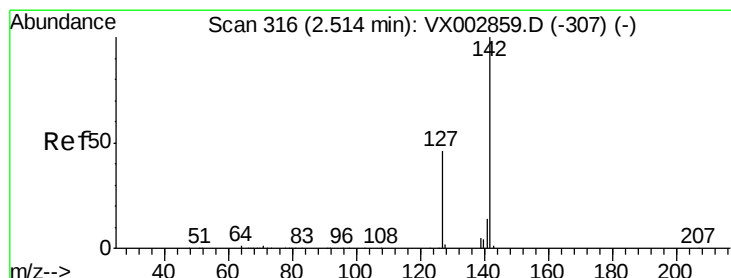
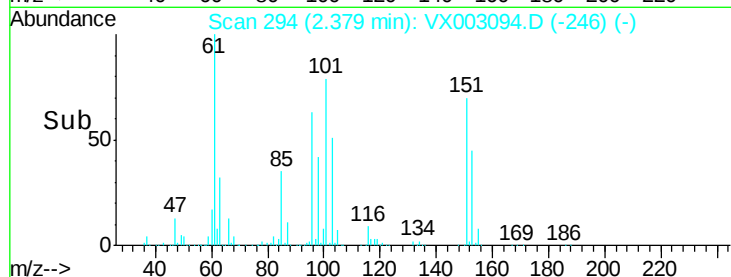
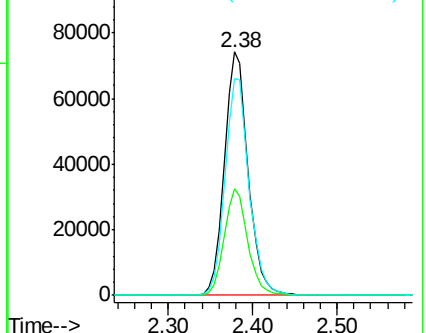
151 90.5 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.51 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

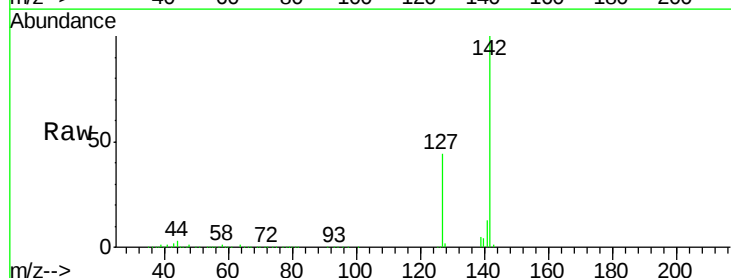
Tgt Ion:142 Resp: 144203

Ion Ratio Lower Upper

142 100

127 44.0 36.6 55.0

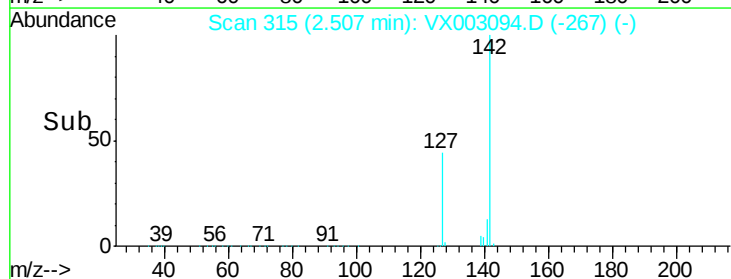
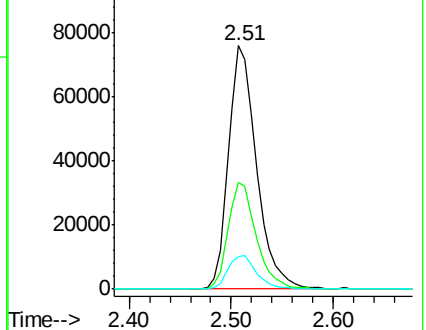
141 14.1 11.3 16.9

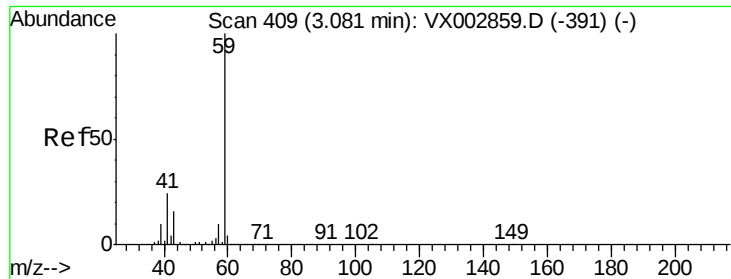


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



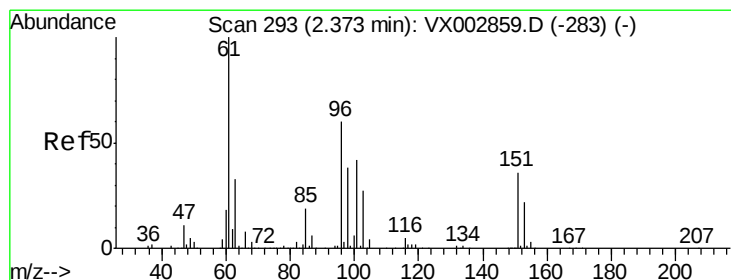
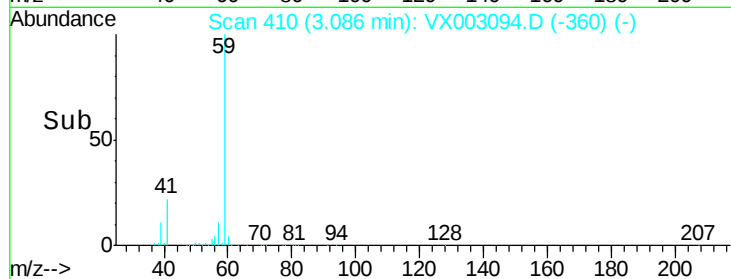
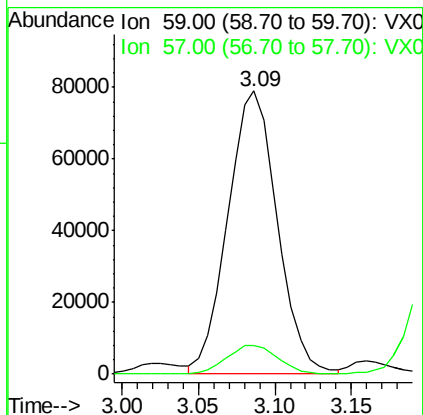
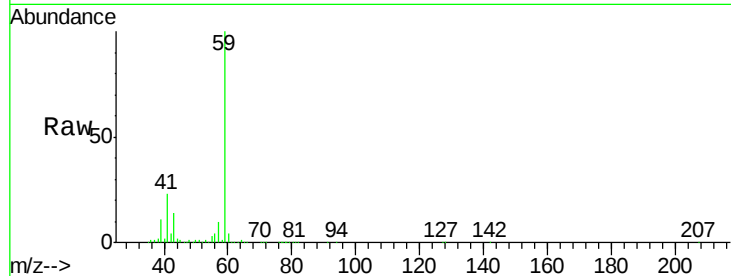


#11

Tert butyl alcohol
 Concen: 229.85 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

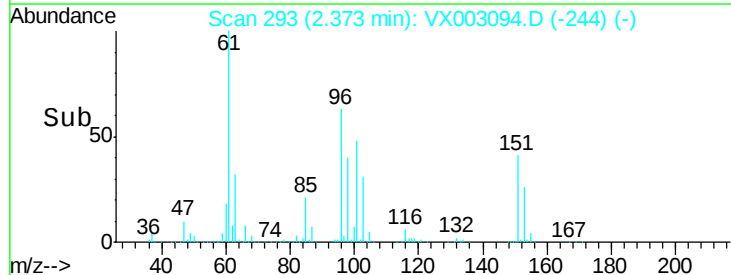
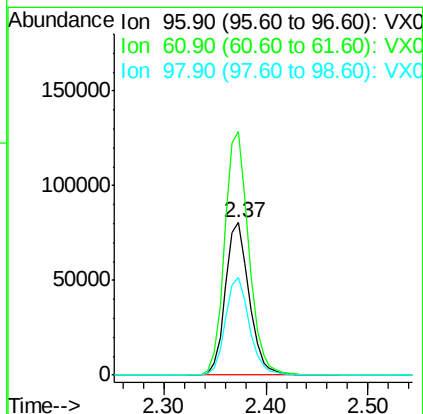
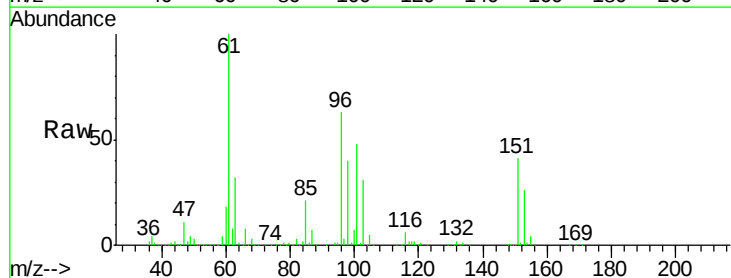
Tot Ion: 59 Resp: 176950
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 47.28 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion: 96 Resp: 130381
 Ion Ratio Lower Upper
 96 100
 61 159.5 137.9 206.9
 98 64.1 51.6 77.4





#13

Acrolein

Concen: 147.56 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

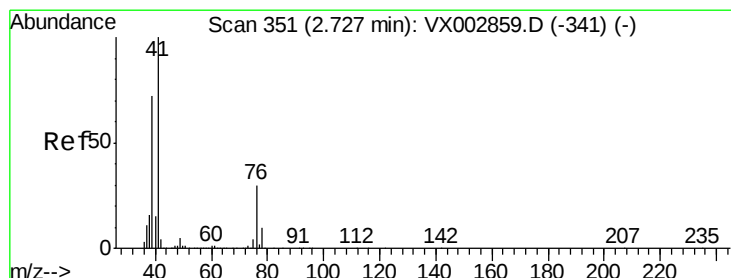
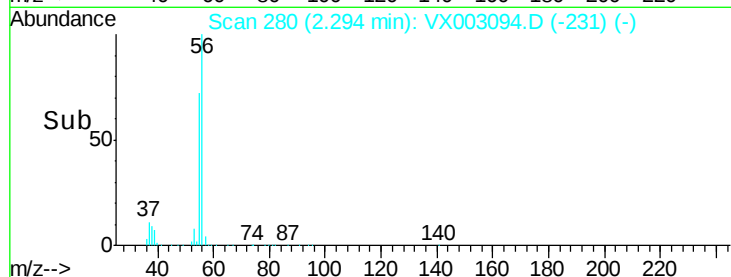
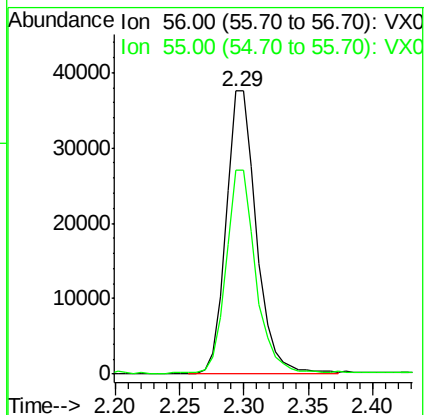
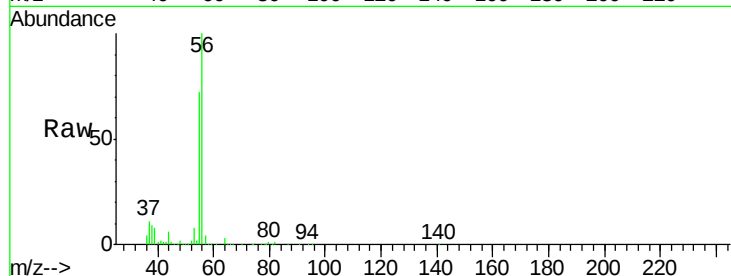
VSTDCCC050EC

Tot Ion: 56 Resp: 62229

Ion Ratio Lower Upper

56 100

55 70.1 57.0 85.4



#14

Allyl chloride

Concen: 46.60 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

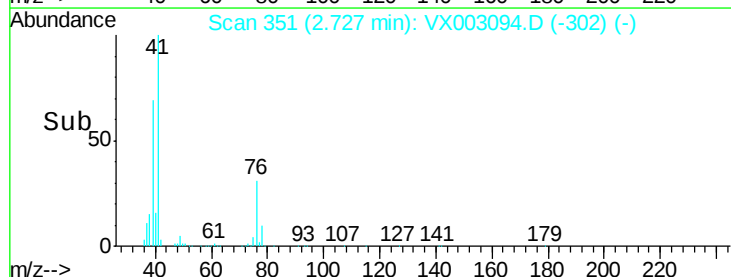
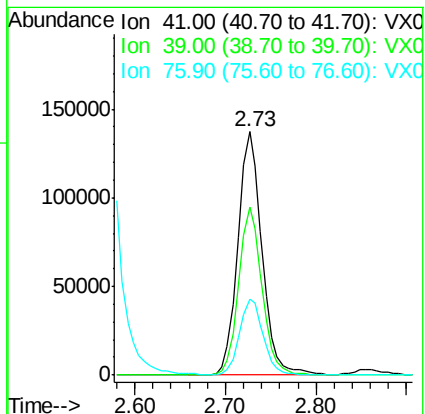
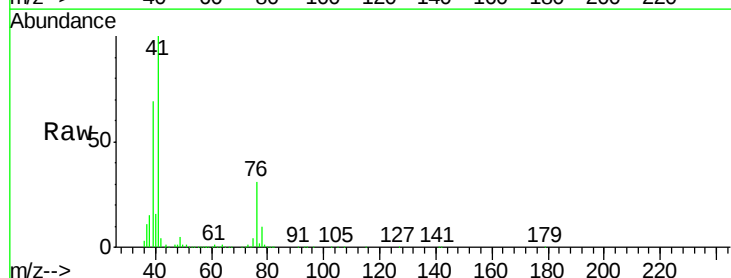
Tgt Ion: 41 Resp: 253316

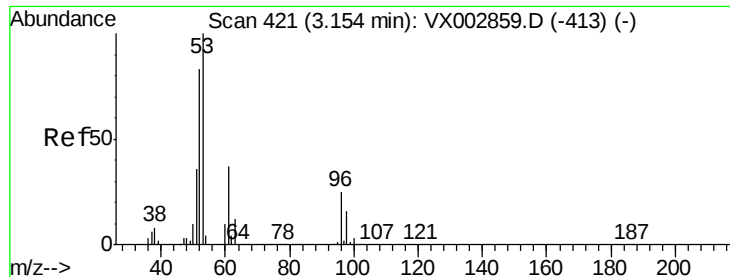
Ion Ratio Lower Upper

41 100

39 66.1 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 245.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

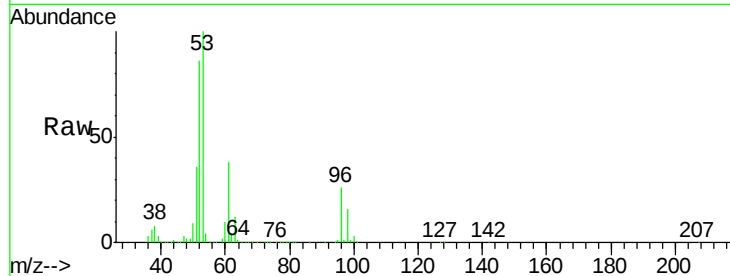
Tot Ion: 53 Resp: 403474

Ion Ratio Lower Upper

53 100

52 83.3 66.7 100.1

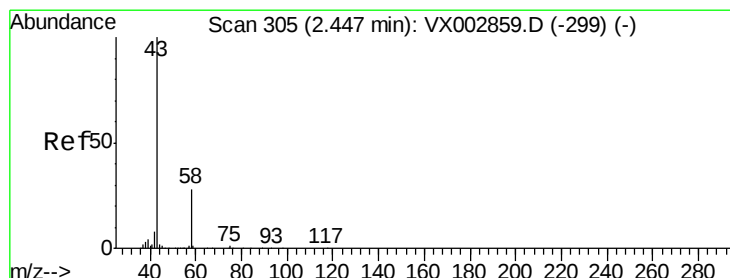
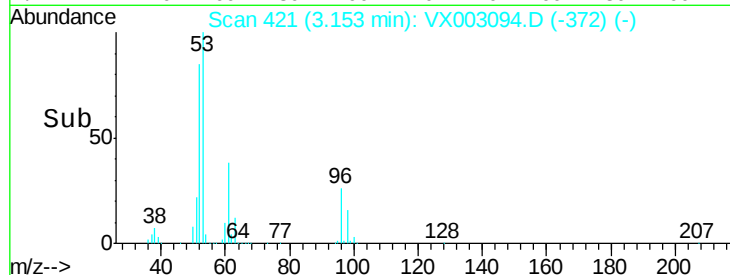
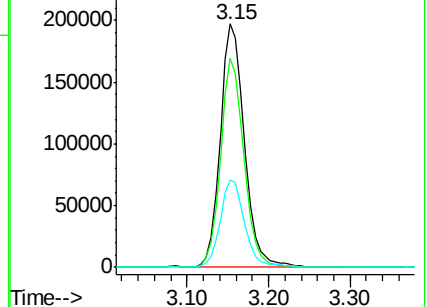
51 36.7 29.9 44.9



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: 231.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003094.D

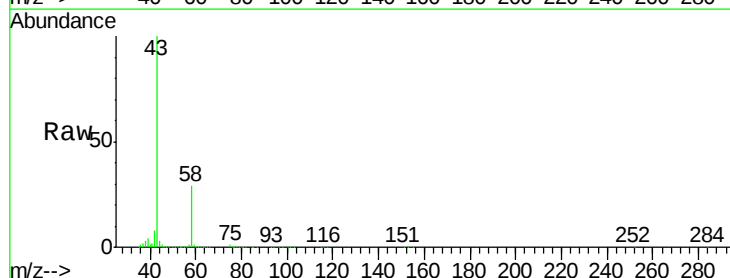
Acq: 30 Jun 2018 22:02

Tgt Ion: 43 Resp: 371132

Ion Ratio Lower Upper

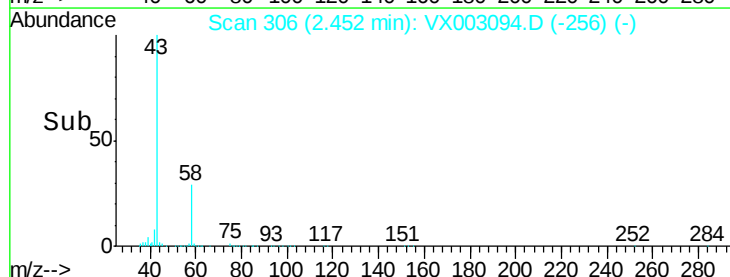
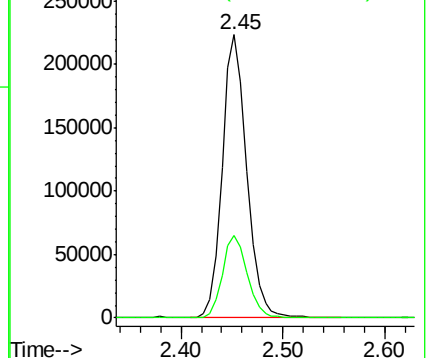
43 100

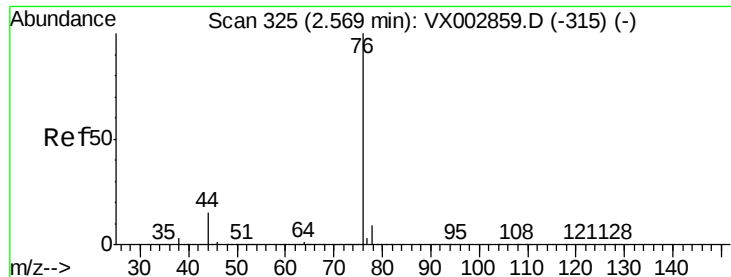
58 29.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

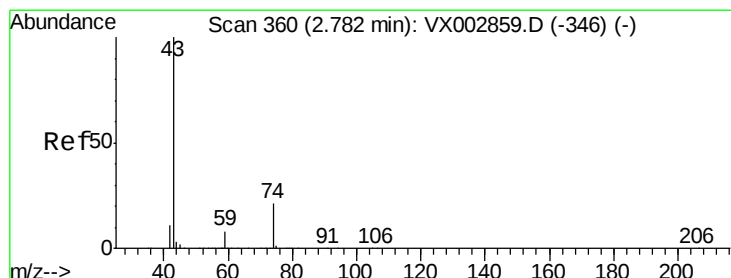
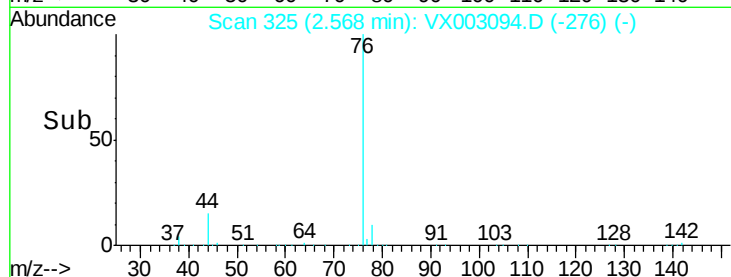
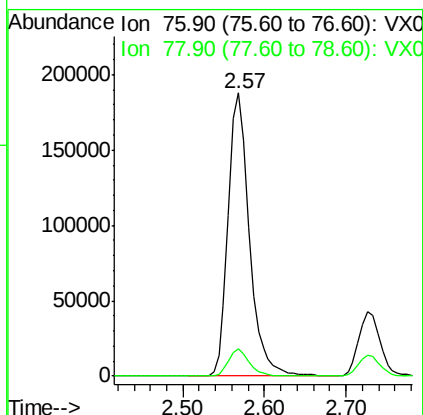
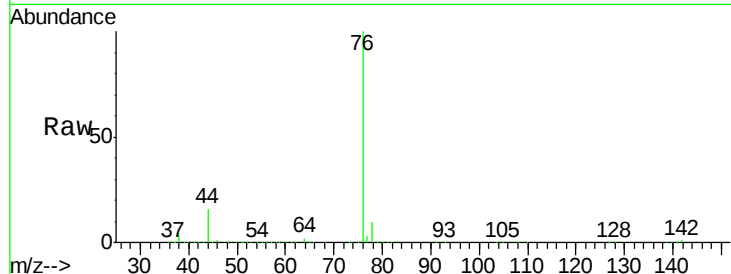




#17
Carbon Disulfide
Concen: 46.06 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

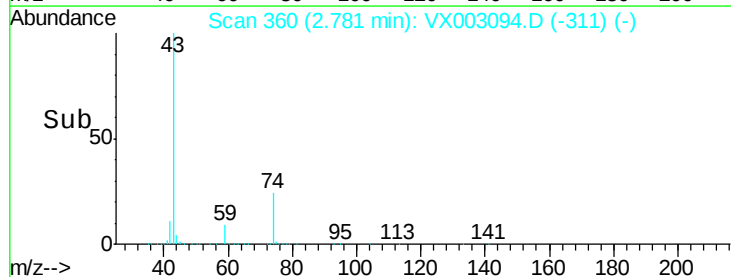
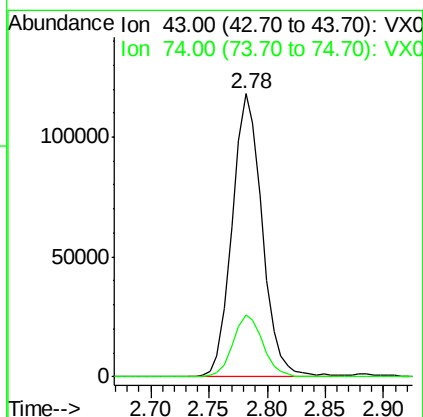
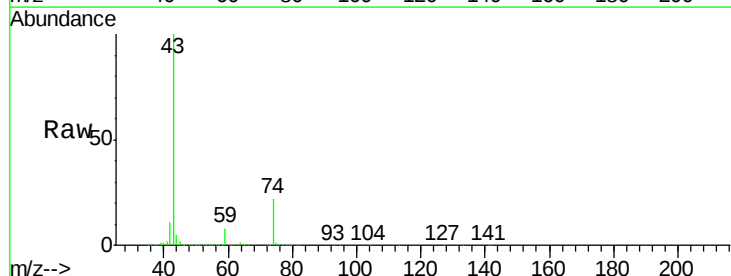
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

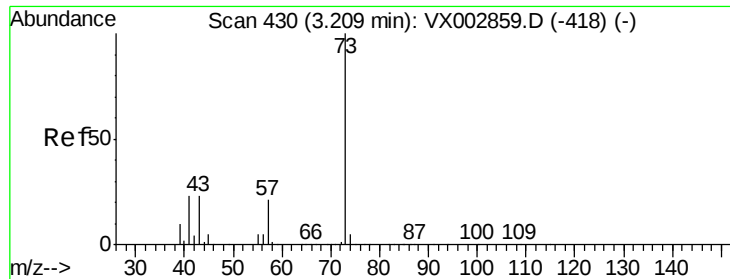
Tot Ion: 76 Resp: 338415
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3



#18
Methyl Acetate
Concen: 47.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 43 Resp: 211366
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1



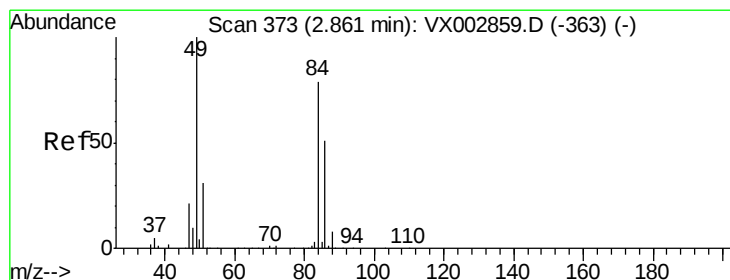
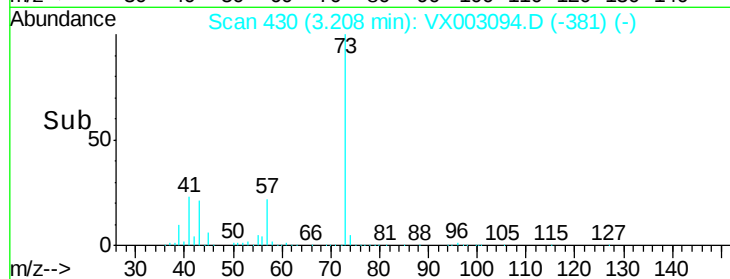
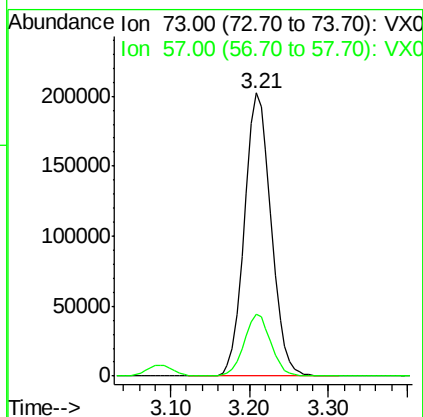
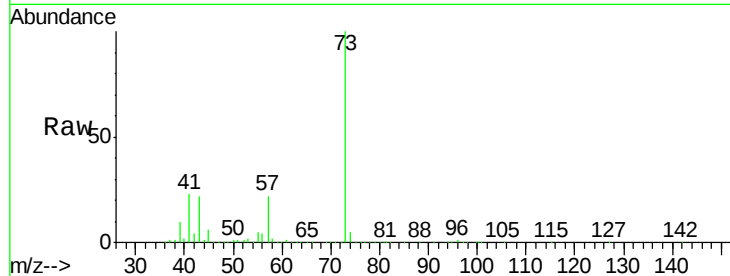


#19

Methyl tert-butyl Ether
 Concen: 47.96 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

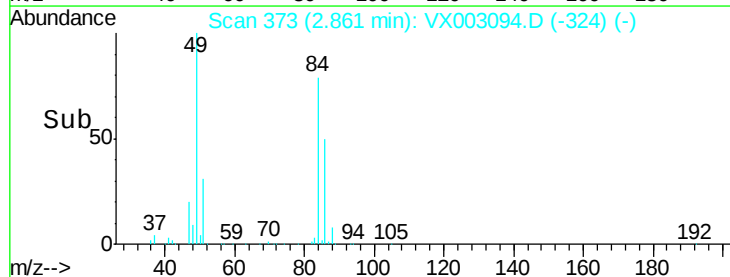
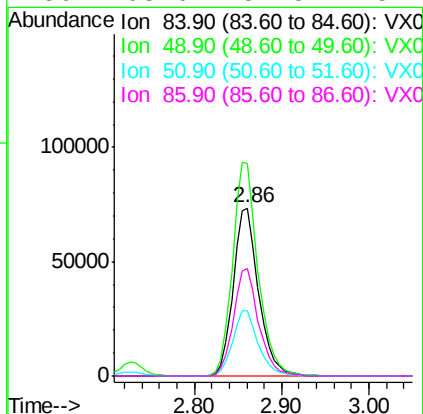
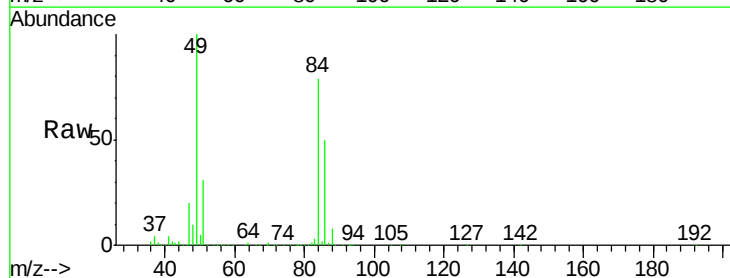
Tot Ion: 73 Resp: 475405
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.7 26.5

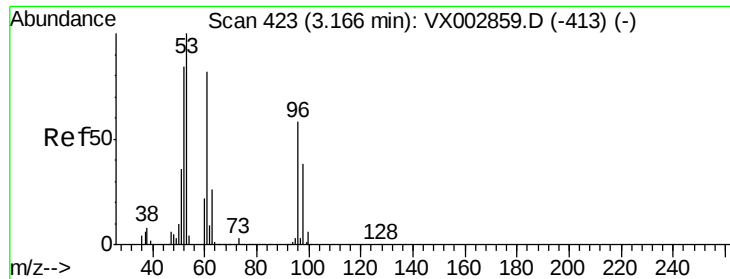


#20

Methylene Chloride
 Concen: 47.63 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion: 84 Resp: 148352
 Ion Ratio Lower Upper
 84 100
 49 126.0 107.8 161.6
 51 38.4 32.8 49.2
 86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

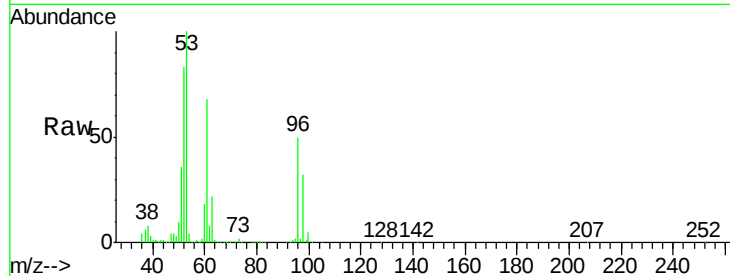
Tot Ion: 96 Resp: 140642

Ion Ratio Lower Upper

96 100

61 137.2 117.0 175.4

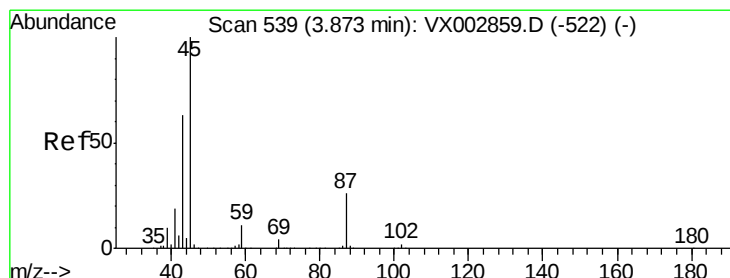
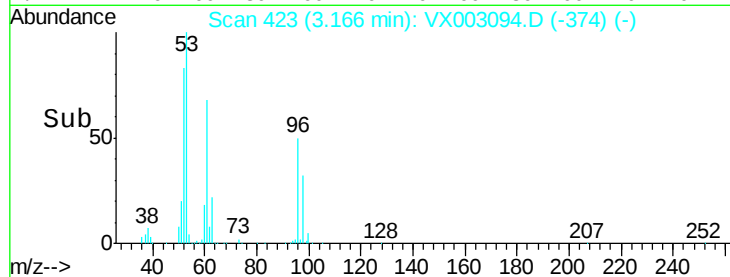
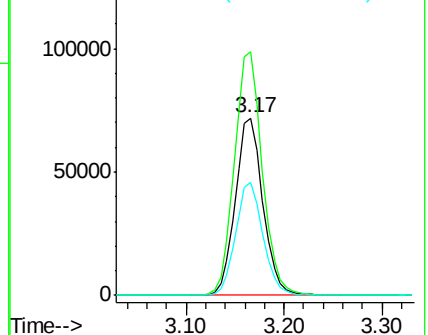
98 63.5 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.25 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Tgt Ion: 45 Resp: 511695

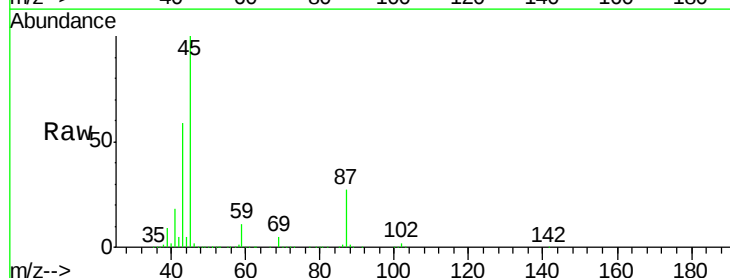
Ion Ratio Lower Upper

45 100

43 59.1 46.8 70.2

87 26.6 20.2 30.4

59 11.1 8.7 13.1

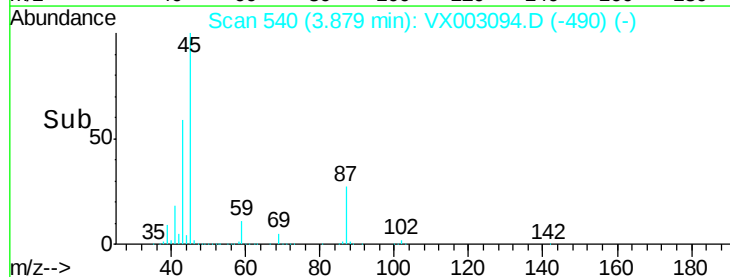
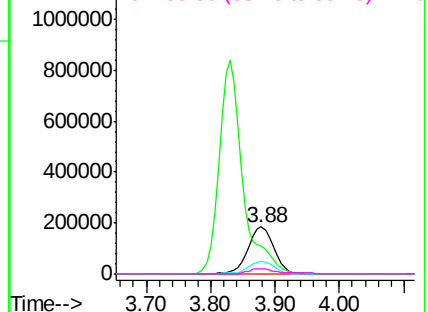


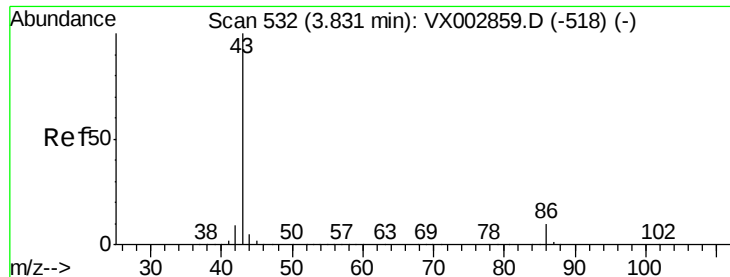
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 246.54 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

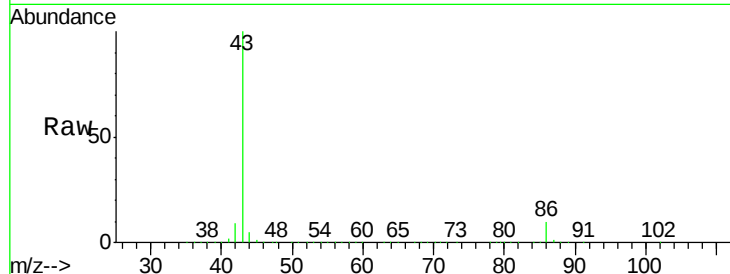
VSTDCCC050EC

Tot Ion: 43 Resp: 2169033

Ion Ratio Lower Upper

43 100

86 9.8 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

200000

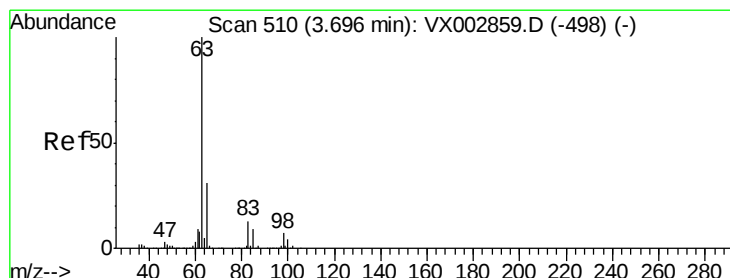
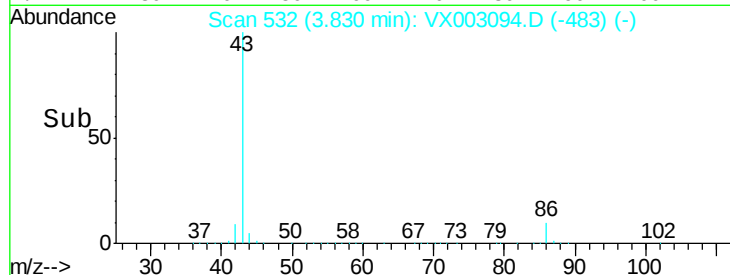
0

3.83

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.36 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

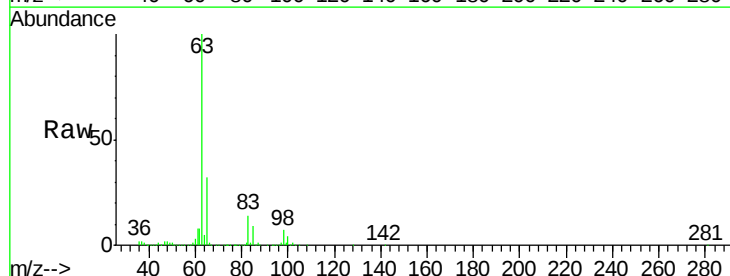
Tgt Ion: 63 Resp: 267483

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

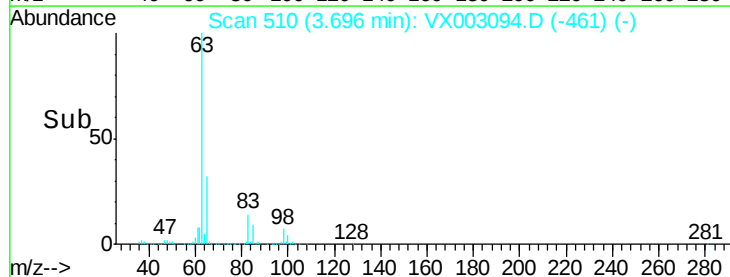
0

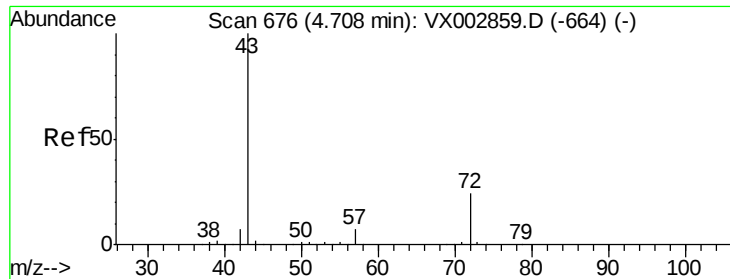
3.70

3.60

3.80

Time-->





#25

2-Butanone

Concen: 253.74 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

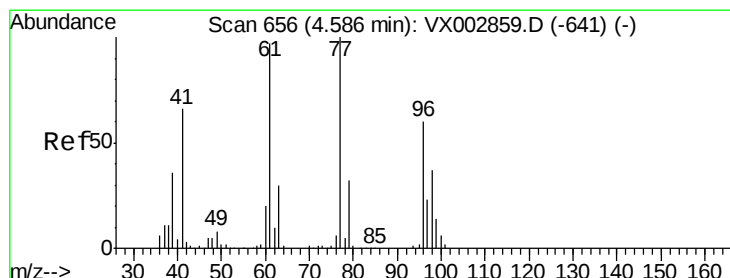
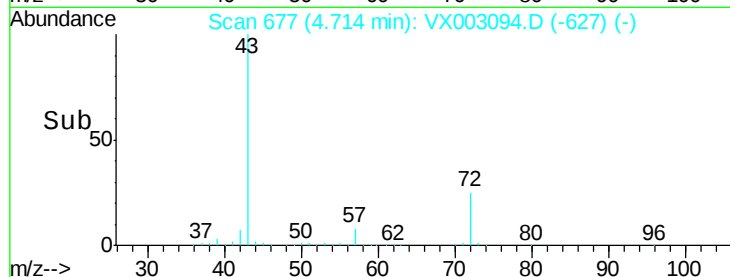
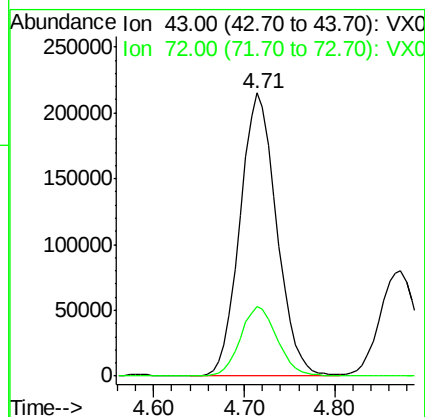
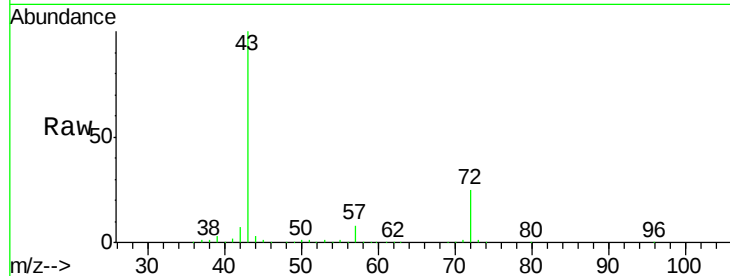
VSTDCCC050EC

Tot Ion: 43 Resp: 602694

Ion Ratio Lower Upper

43 100

72 24.6 18.5 27.7



#26

2,2-Dichloropropane

Concen: 34.44 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003094.D

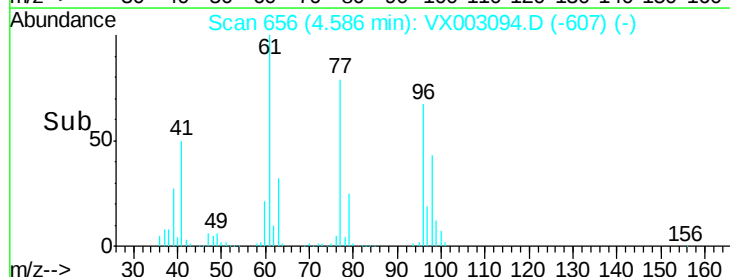
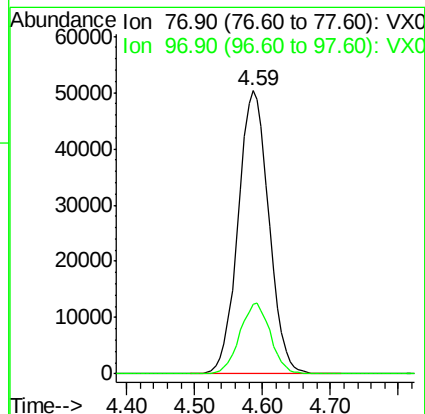
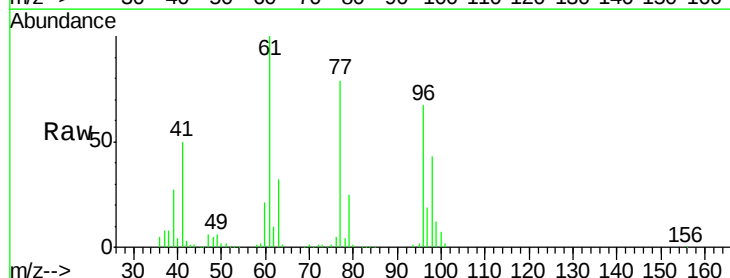
Acq: 30 Jun 2018 22:02

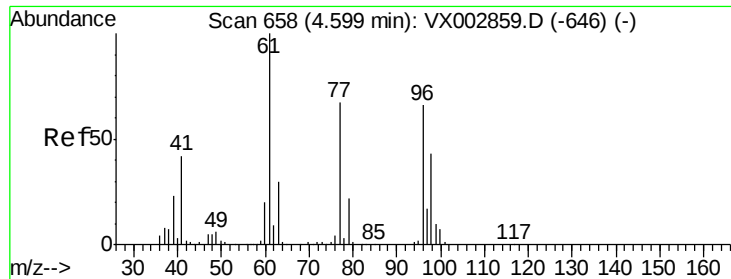
Tgt Ion: 77 Resp: 158130

Ion Ratio Lower Upper

77 100

97 24.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.39 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

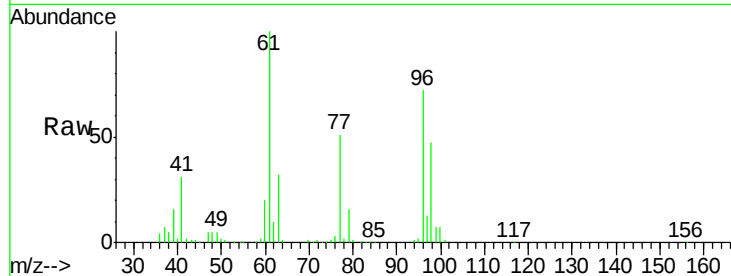
Tot Ion: 96 Resp: 169682

Ion Ratio Lower Upper

96 100

61 149.2 0.0 330.2

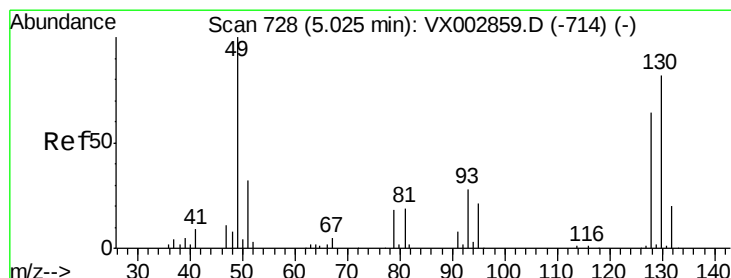
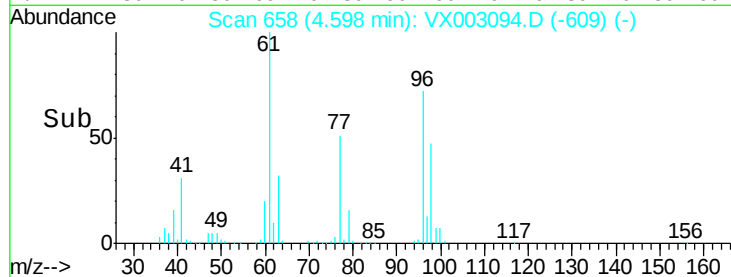
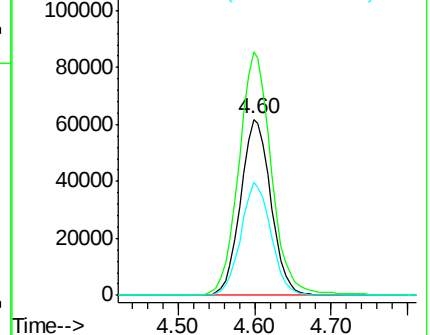
98 63.9 0.0 130.2



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: 48.74 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

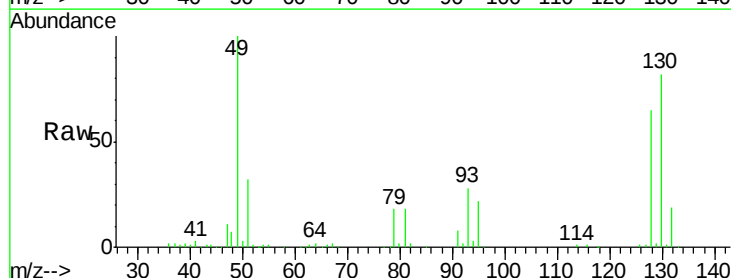
Tgt Ion: 49 Resp: 131736

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

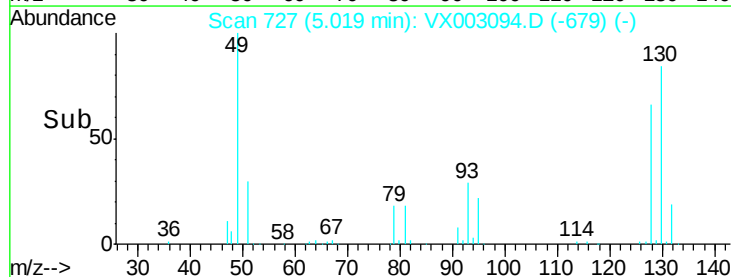
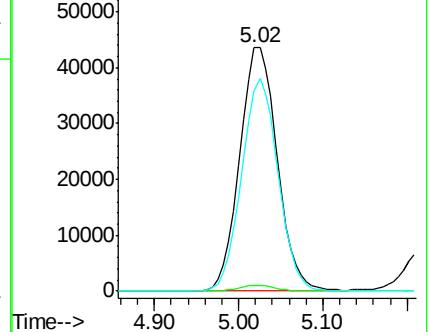
130 84.7 61.2 91.8

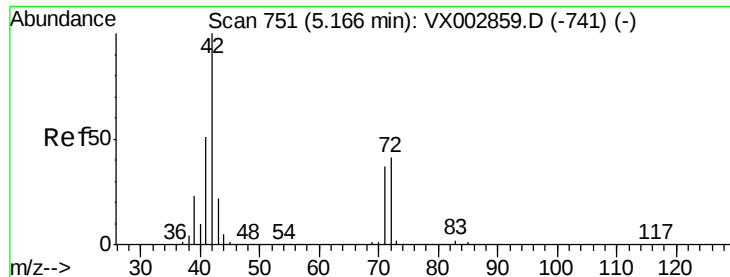


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 251.14 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

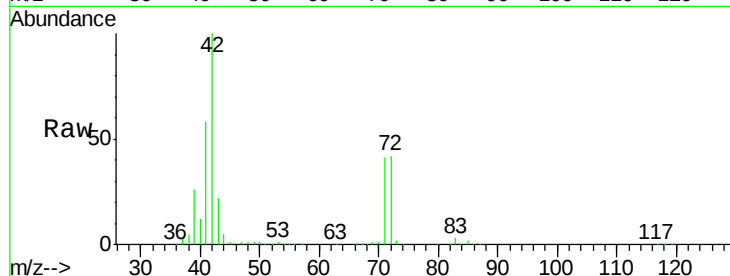
Tot Ion: 42 Resp: 382534

Ion Ratio Lower Upper

42 100

72 42.3 32.0 48.0

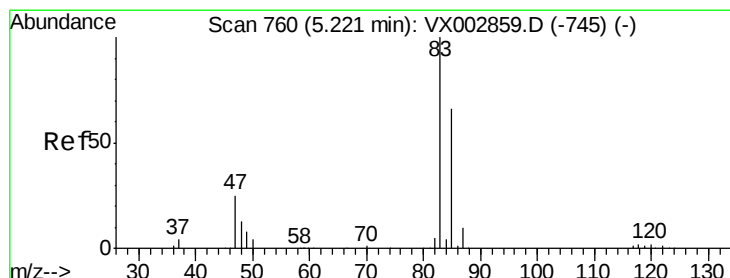
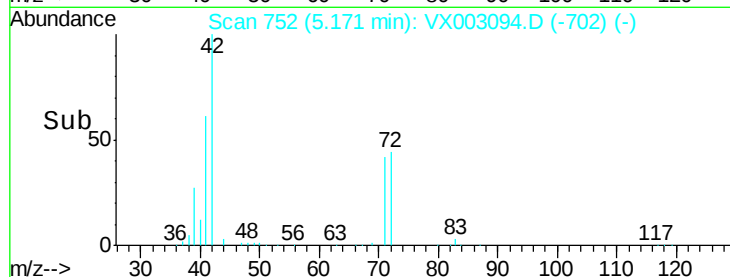
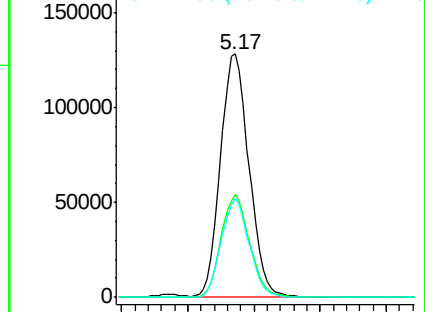
71 39.7 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.98 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003094.D

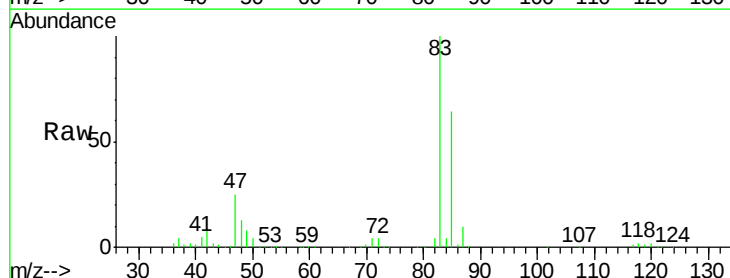
Acq: 30 Jun 2018 22:02

Tgt Ion: 83 Resp: 283862

Ion Ratio Lower Upper

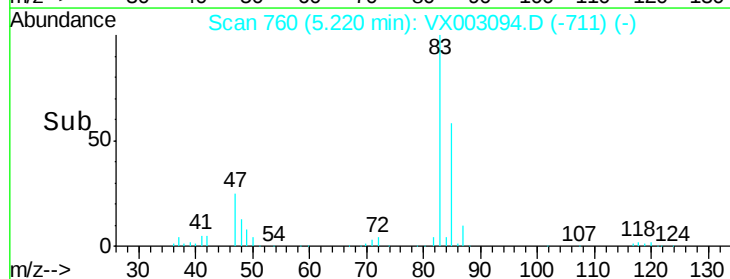
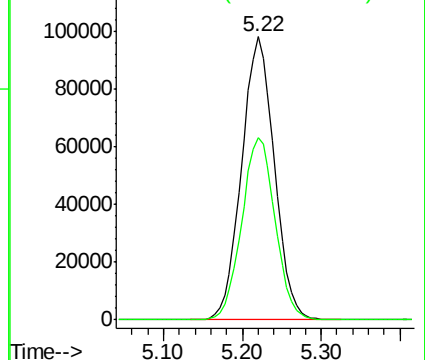
83 100

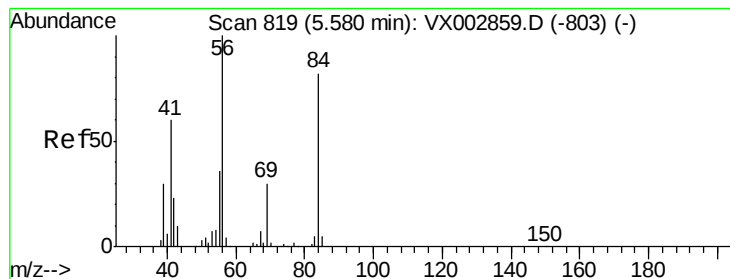
85 64.4 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.14 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

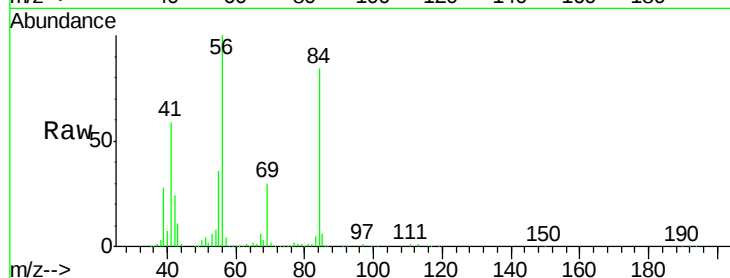
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 233290

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	82.6	64.1	96.1

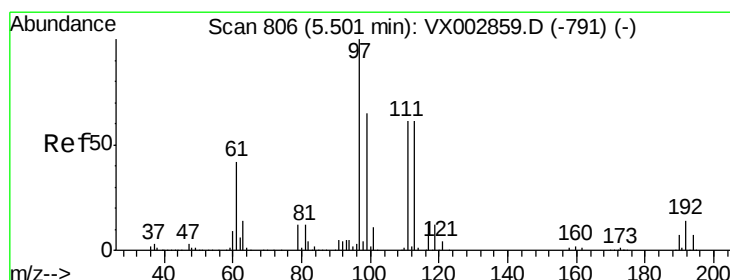
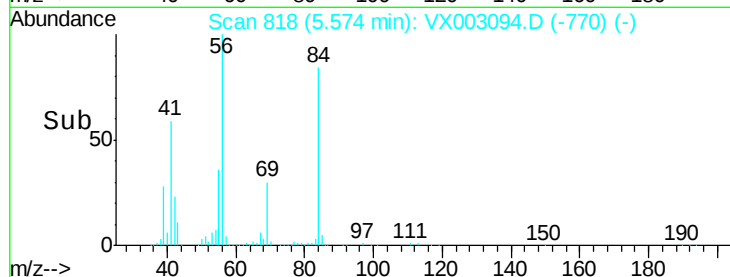
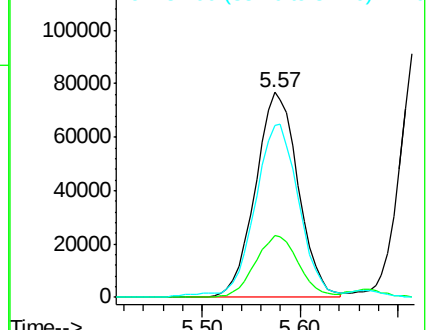


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.66 ug/l

RT: 5.50 min Scan# 806

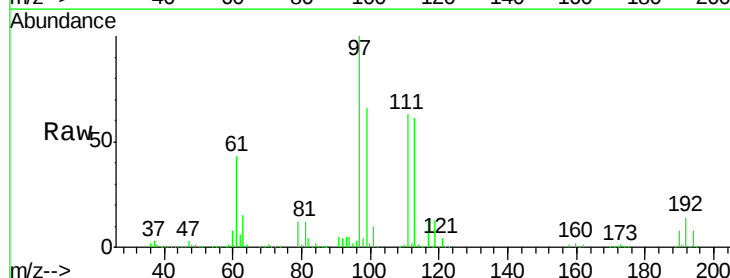
Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Tgt Ion: 97 Resp: 253243

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	43.2	36.4	54.6

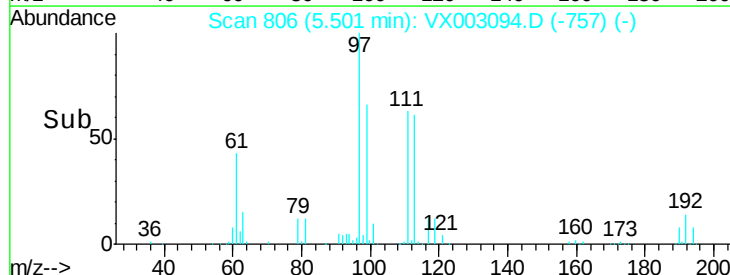
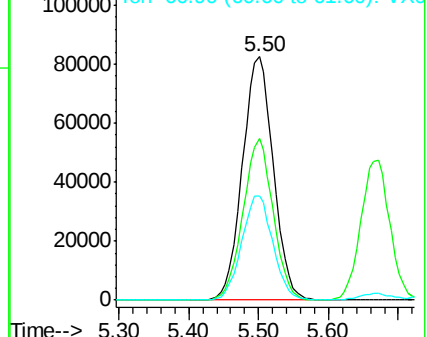


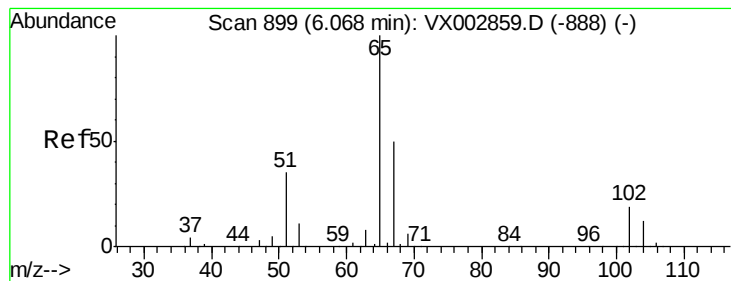
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.81 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

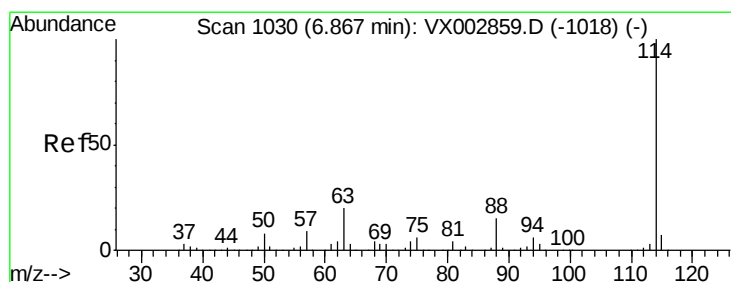
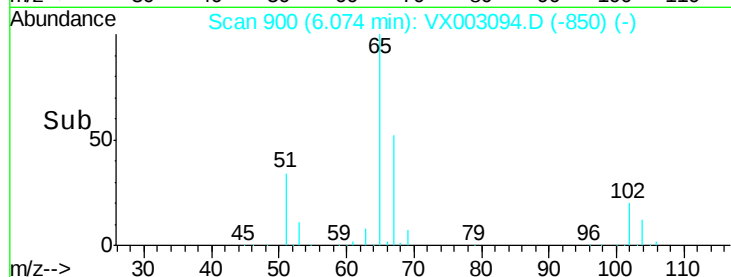
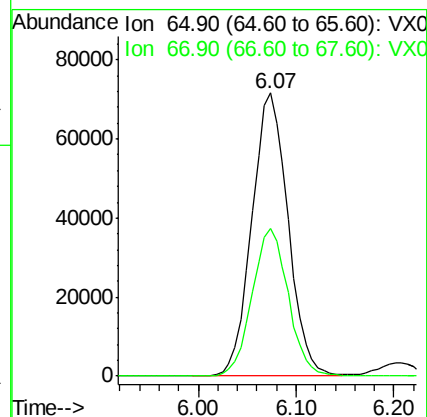
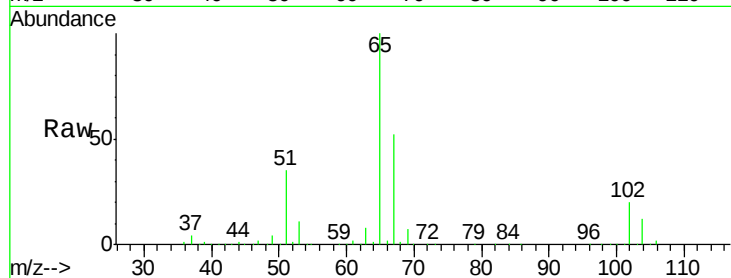
VSTDCCC050EC

Tot Ion: 65 Resp: 184761

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

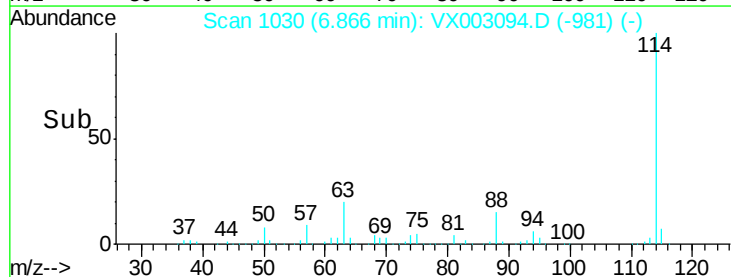
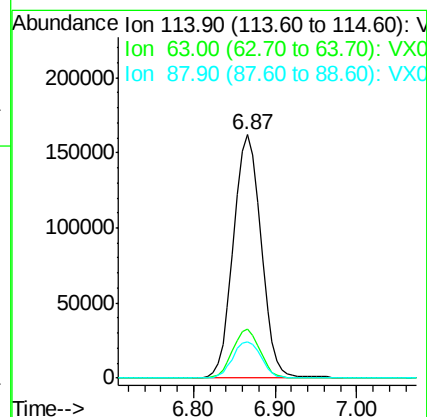
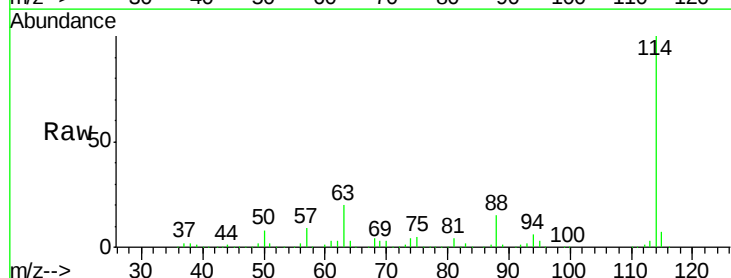
Tgt Ion: 114 Resp: 382332

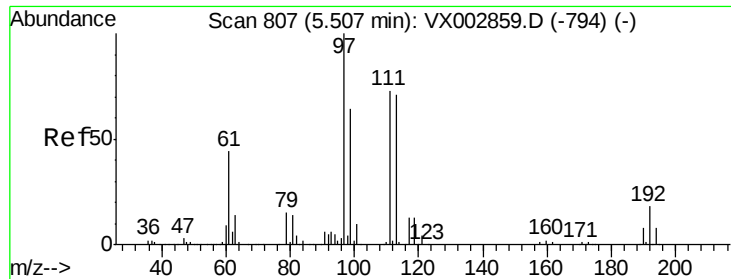
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

88 15.1 0.0 30.0

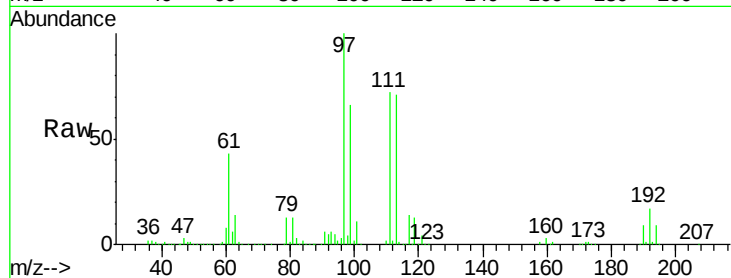




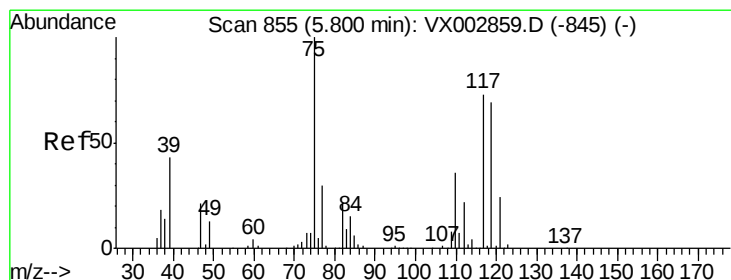
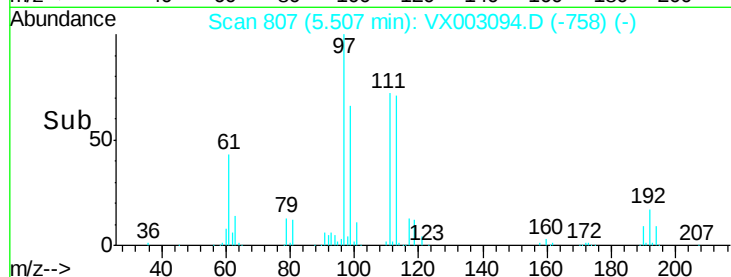
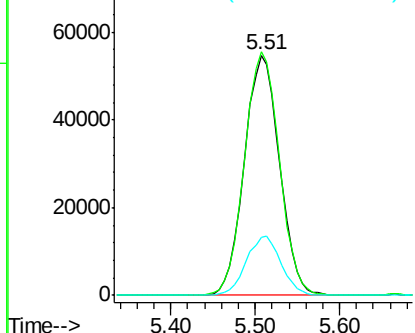
#35
Dibromofluoromethane
Concen: 51.16 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 154902
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.0
192 24.6 19.1 28.7

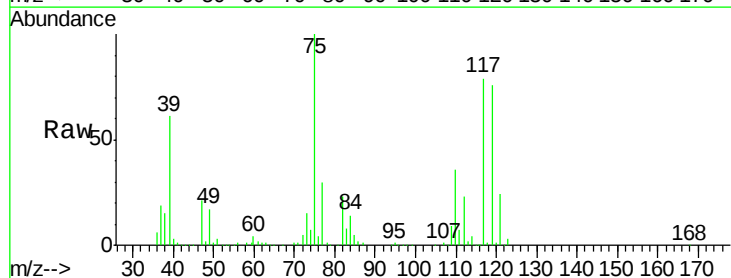


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

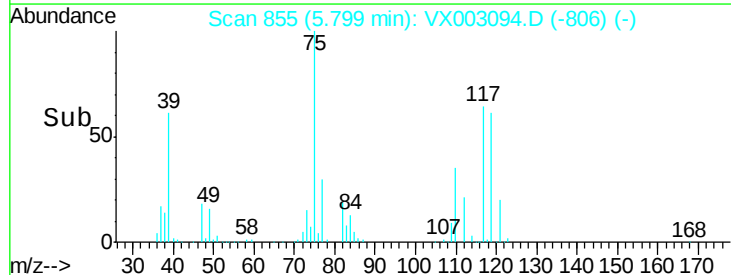
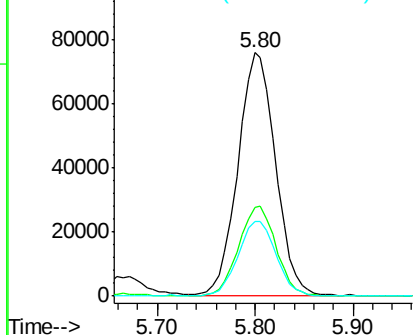


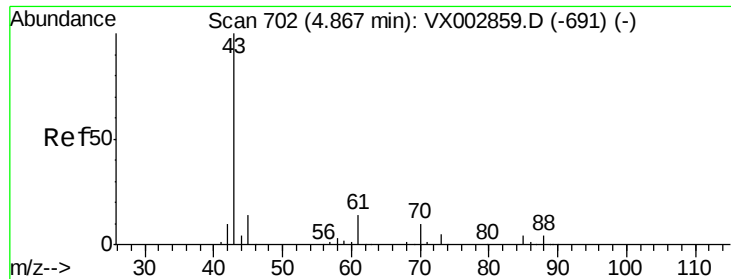
#36
1,1-Dichloropropene
Concen: 48.12 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 75 Resp: 201763
Ion Ratio Lower Upper
75 100
110 37.2 18.1 54.4
77 31.2 24.3 36.5



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

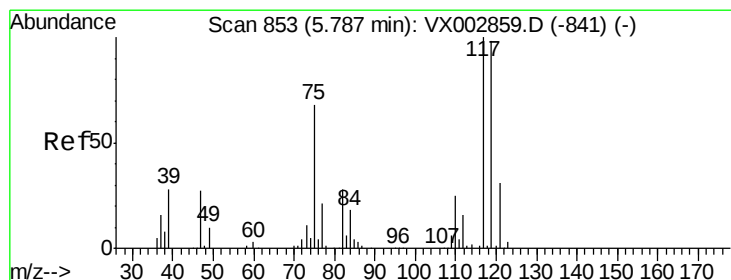
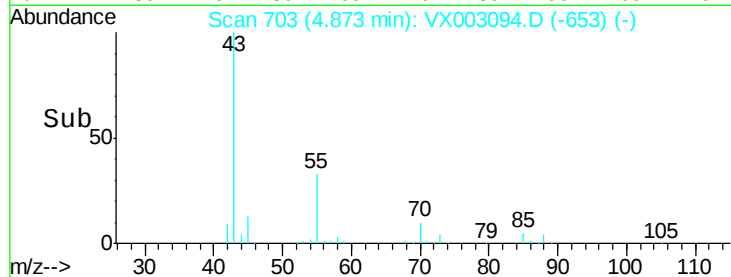
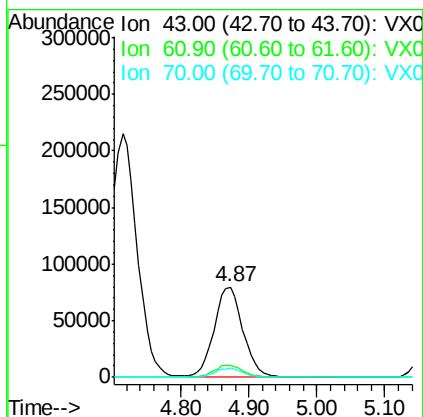
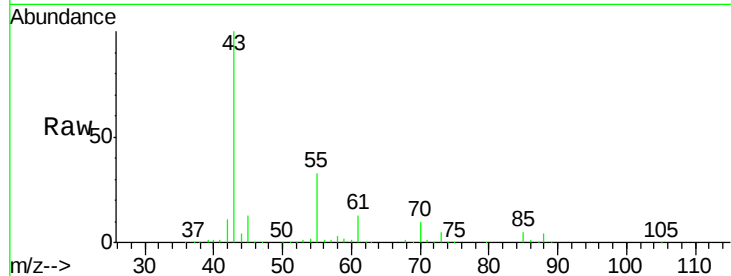




#37
Ethyl Acetate
Concen: 51.73 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

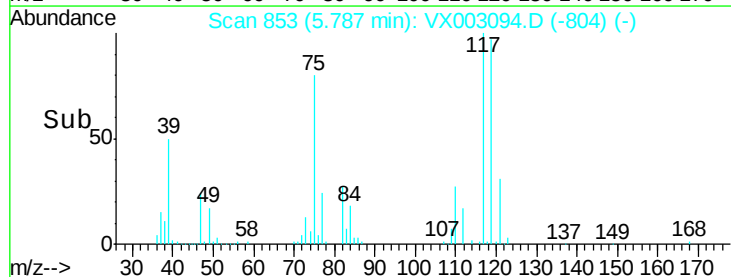
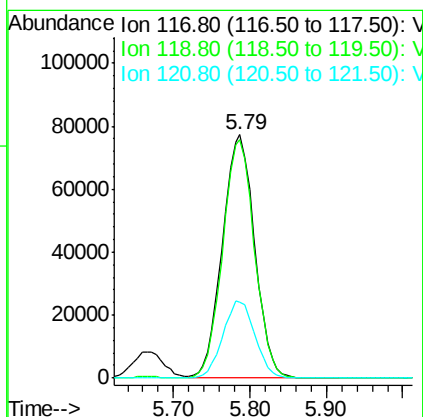
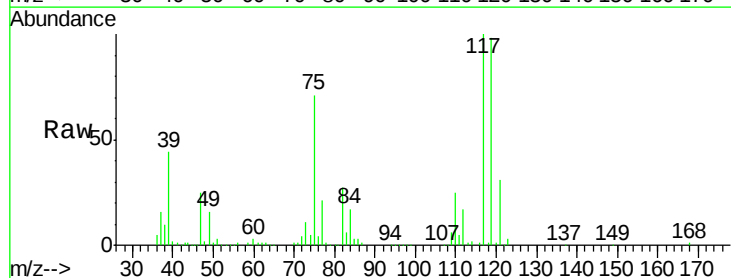
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

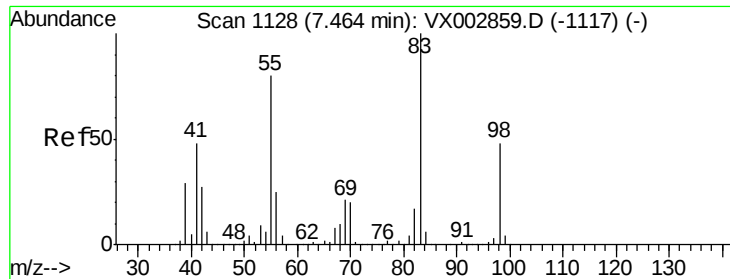
Tot Ion: 43 Resp: 233534
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.04 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 117 Resp: 225626
Ion Ratio Lower Upper
117 100
119 97.8 77.4 116.0
121 31.2 24.4 36.6

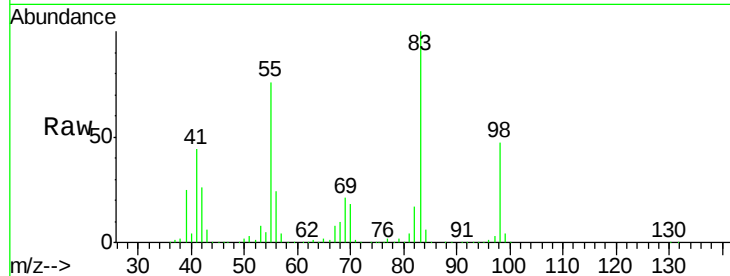




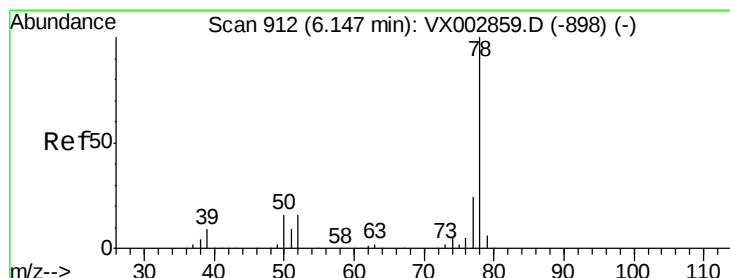
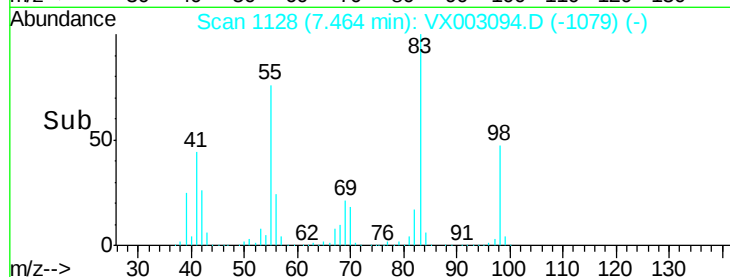
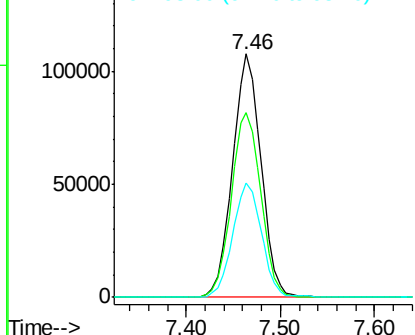
#39
Methvlcvclohexane
Concen: 46.36 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 226398
Ion Ratio Lower Upper
83 100
55 75.7 65.4 98.0
98 47.0 37.4 56.0

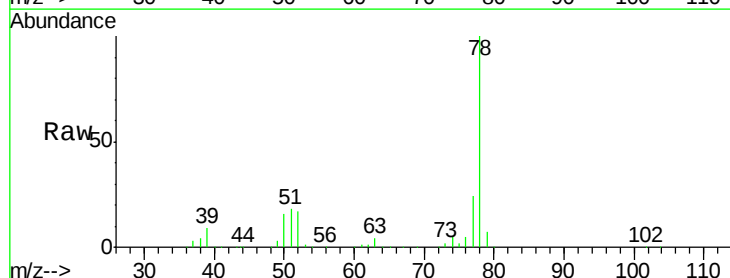


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

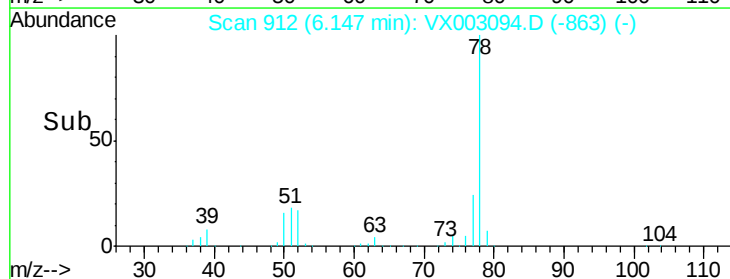
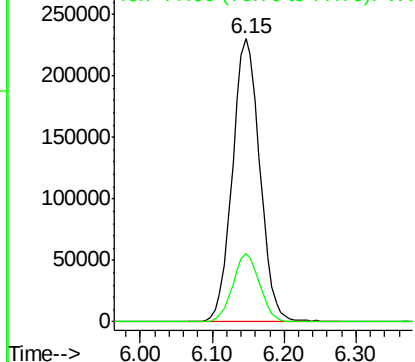


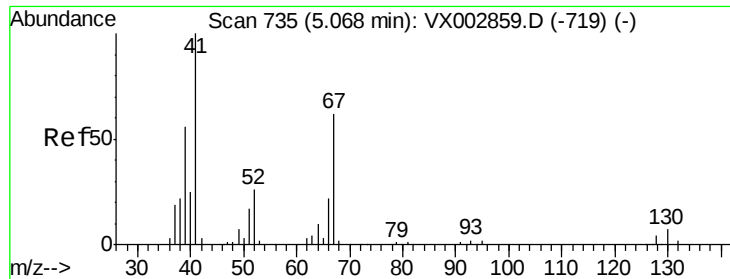
#40
Benzene
Concen: 49.95 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 78 Resp: 608449
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



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

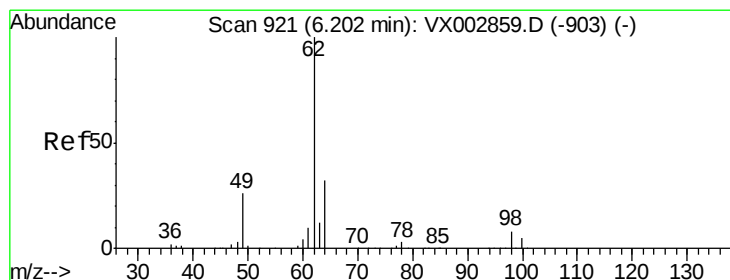
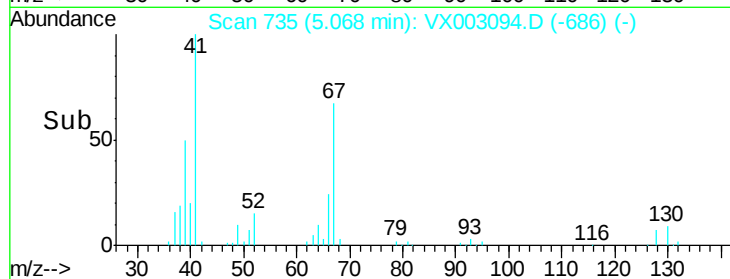
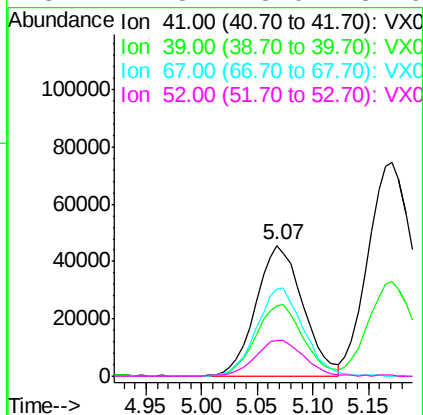
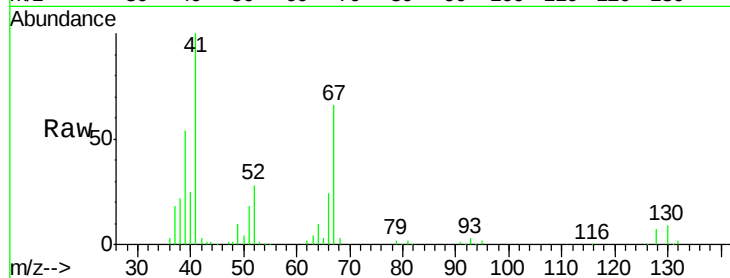




#41
Methacrylonitrile
Concen: 51.86 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

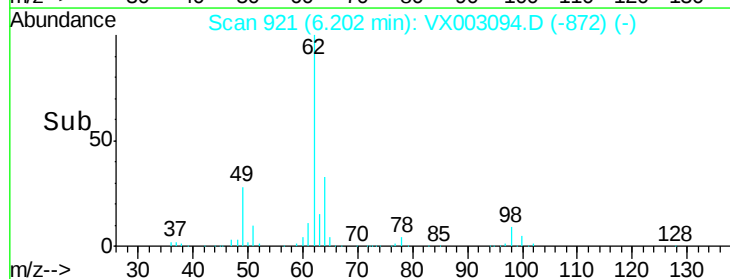
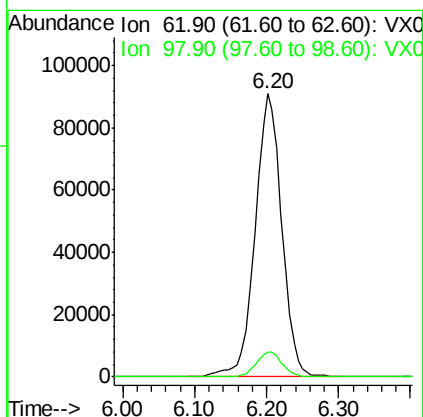
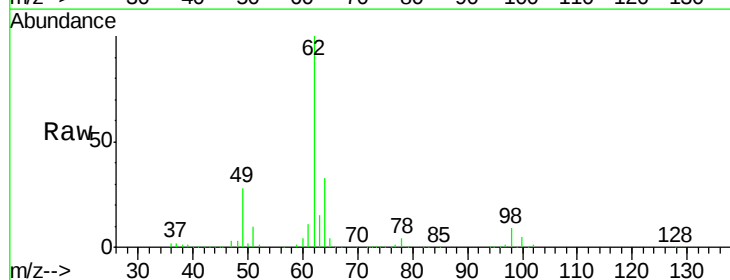
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

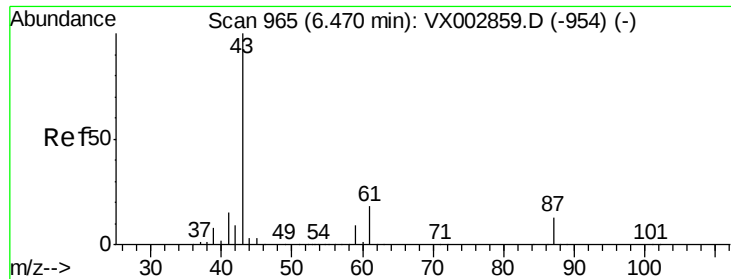
Tot Ion:	41	Resp:	134800
Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.8	68.6
67	66.9	51.3	76.9
52	27.8	23.0	34.6



#42
1,2-Dichloroethane
Concen: 47.32 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion:	62	Resp:	232876
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



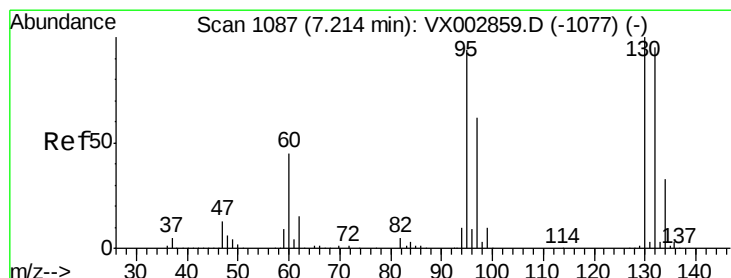
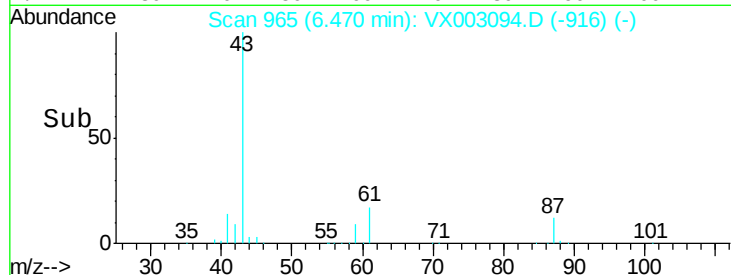
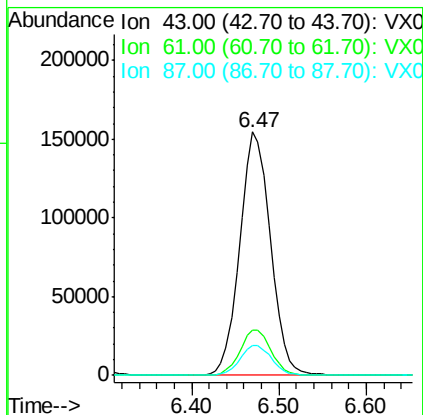
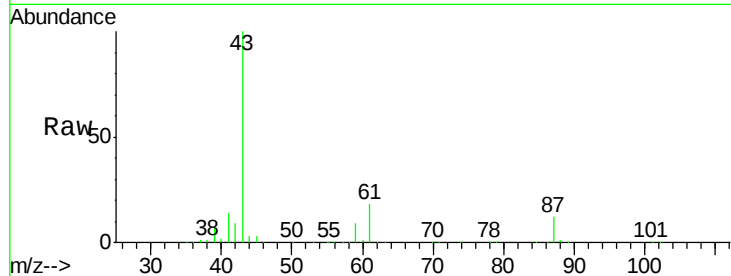


#43

Isopropyl Acetate
 Concen: 49.69 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

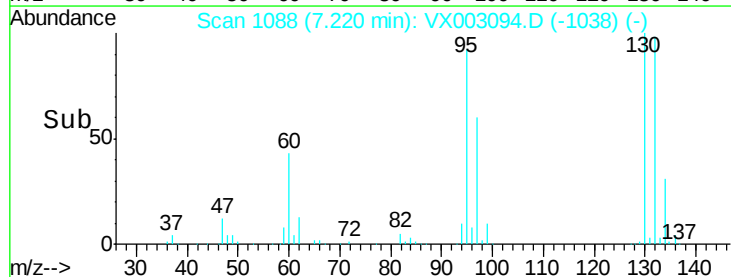
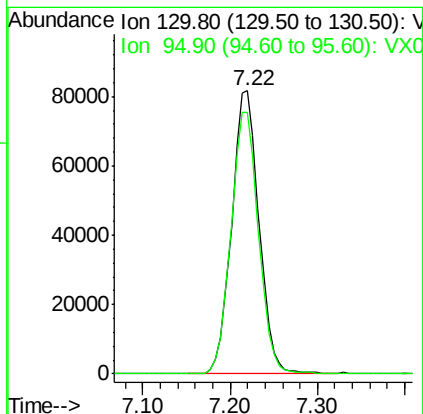
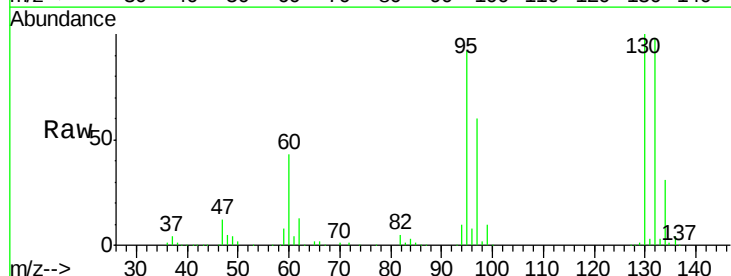
Tot Ion: 43 Resp: 376246
 Ion Ratio Lower Upper
 43 100
 61 19.0 14.4 21.6
 87 12.6 9.5 14.3

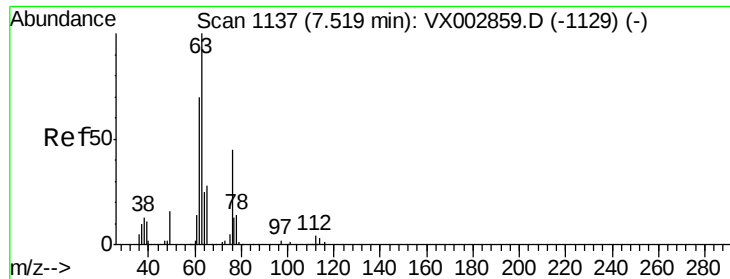


#44

Trichloroethene
 Concen: 48.98 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion: 130 Resp: 177913
 Ion Ratio Lower Upper
 130 100
 95 92.3 0.0 185.4

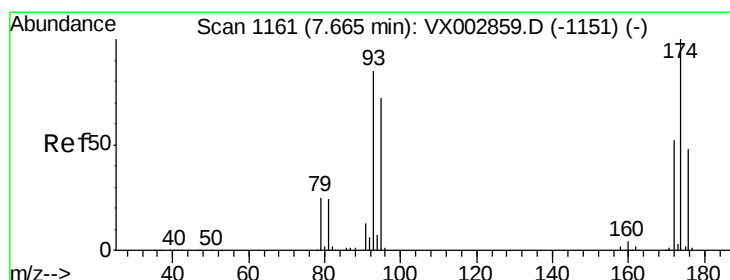
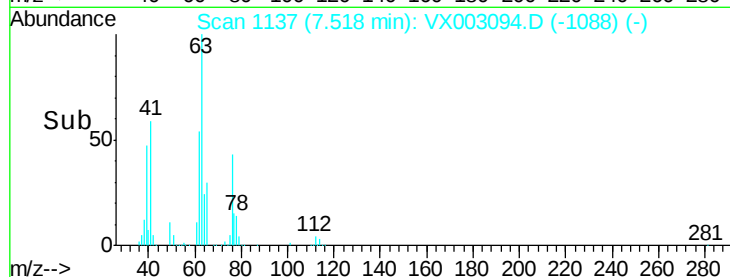
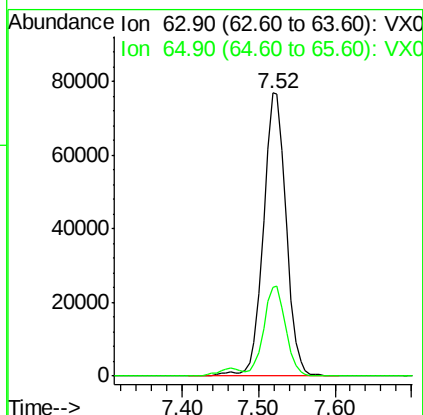
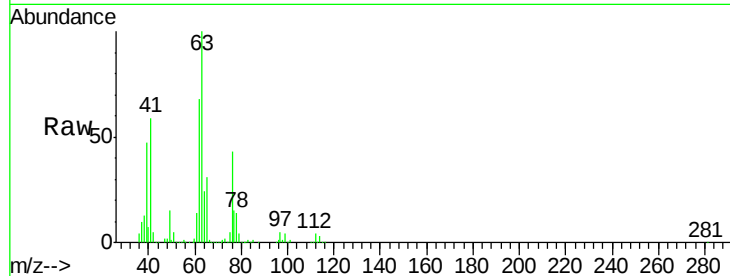




#45
 1,2-Dichloropropane
 Concen: 49.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

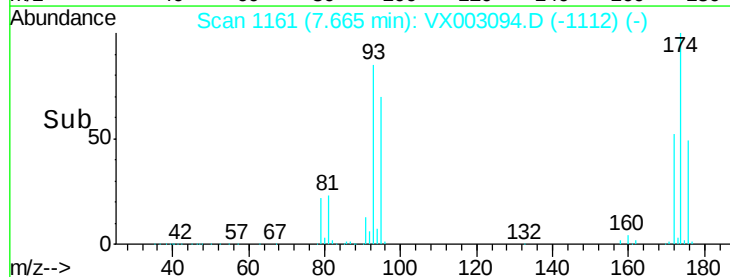
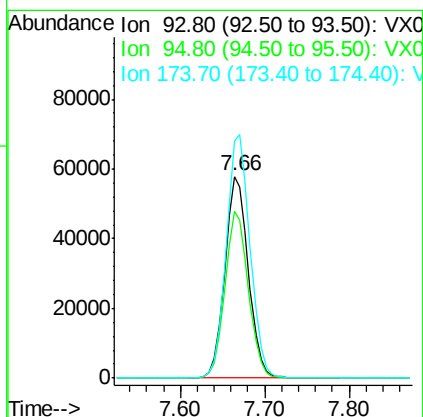
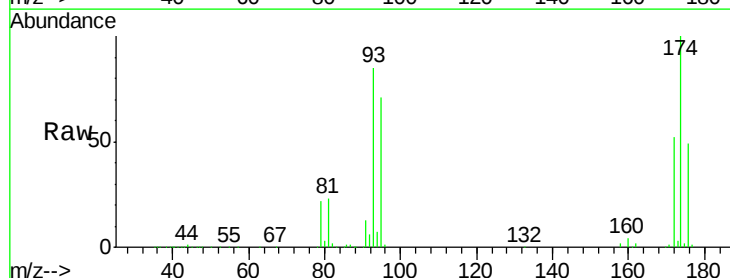
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 160325
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 49.15 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion: 93 Resp: 110217
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 122.0 92.4 138.6





#47

Bromodichloromethane

Concen: 50.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

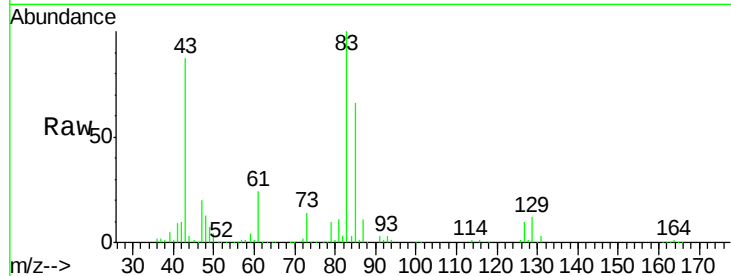
Tot Ion: 83 Resp: 209633

Ion Ratio Lower Upper

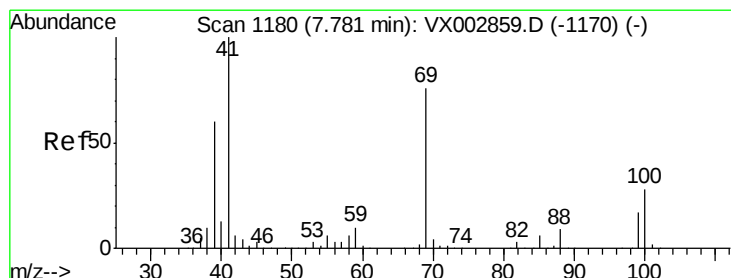
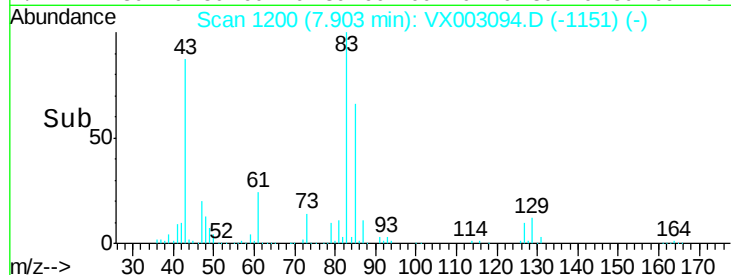
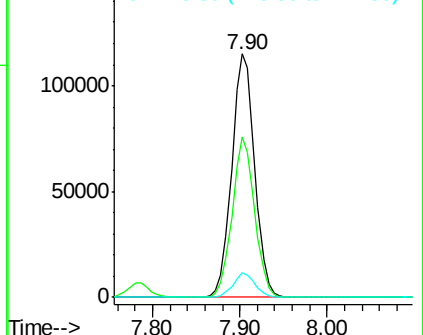
83 100

85 66.0 50.3 75.5

127 10.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 49.82 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

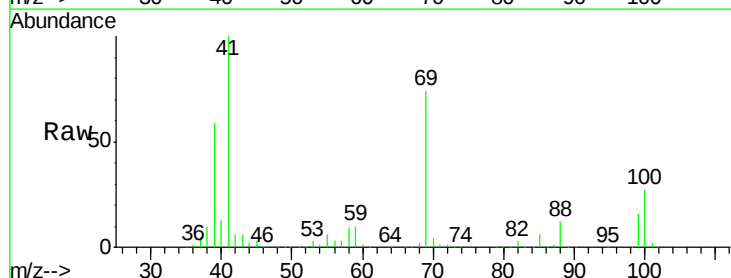
Tgt Ion: 41 Resp: 194359

Ion Ratio Lower Upper

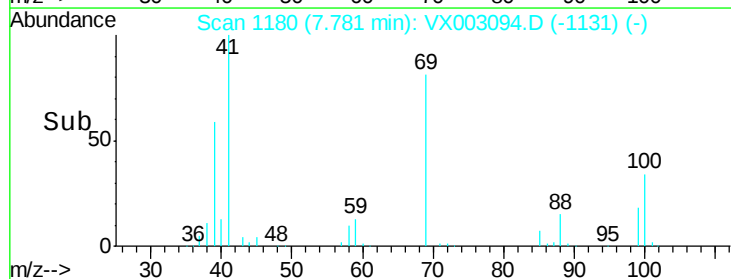
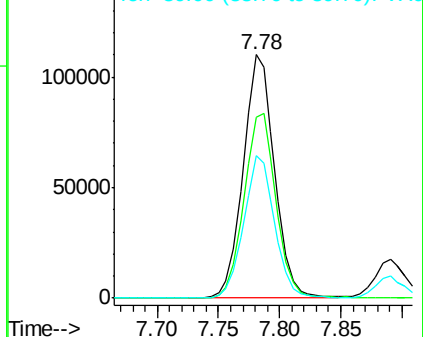
41 100

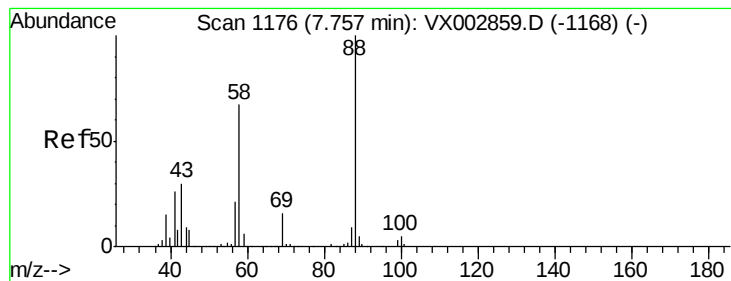
69 78.4 59.1 88.7

39 58.0 48.9 73.3



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





#49

1,4-Dioxane

Concen: 1046.00 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

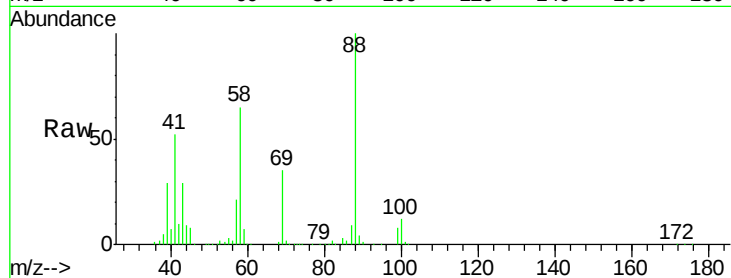
Tot Ion: 88 Resp: 79390

Ion Ratio Lower Upper

88 100

43 33.9 29.8 44.6

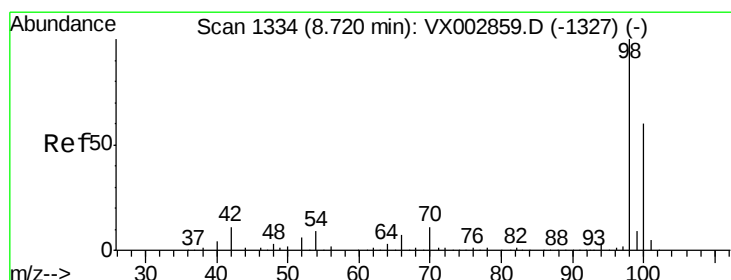
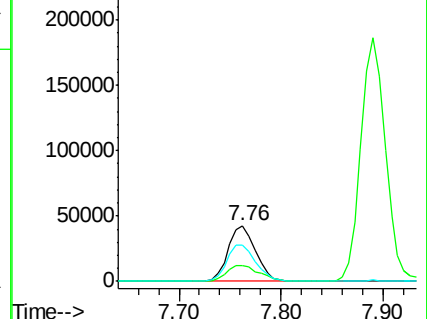
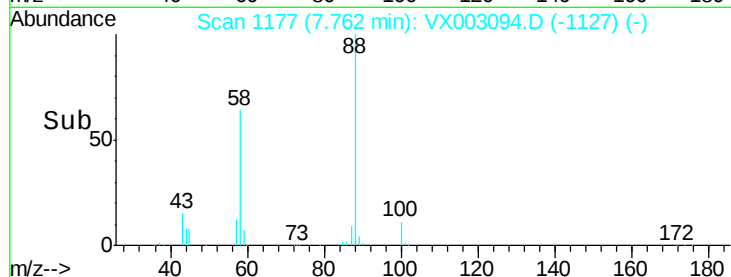
58 68.4 57.1 85.7



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: 49.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003094.D

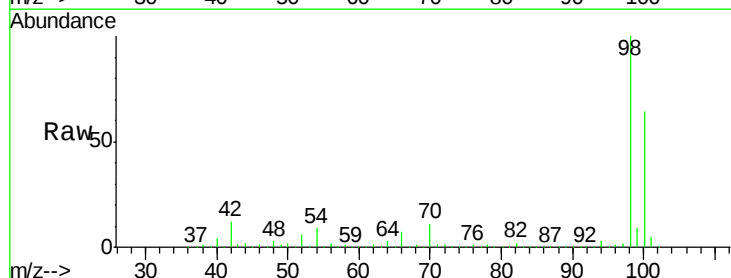
Acq: 30 Jun 2018 22:02

Tgt Ion: 98 Resp: 547005

Ion Ratio Lower Upper

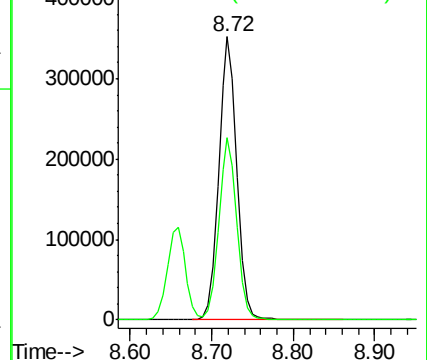
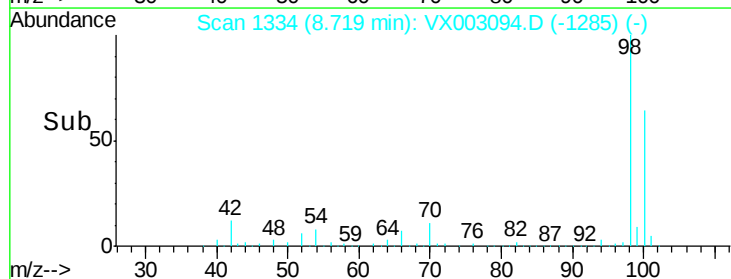
98 100

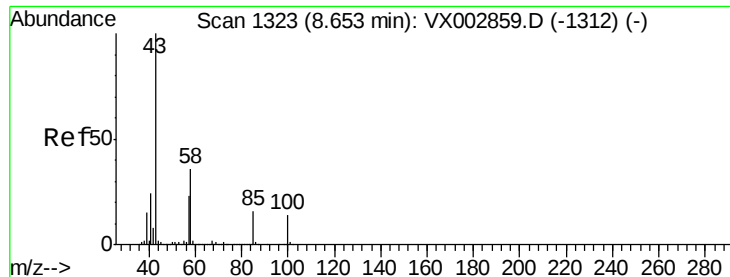
100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

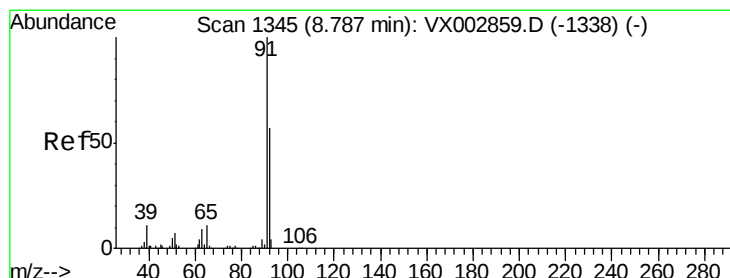
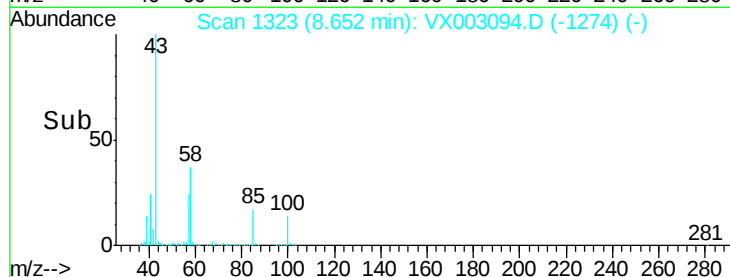
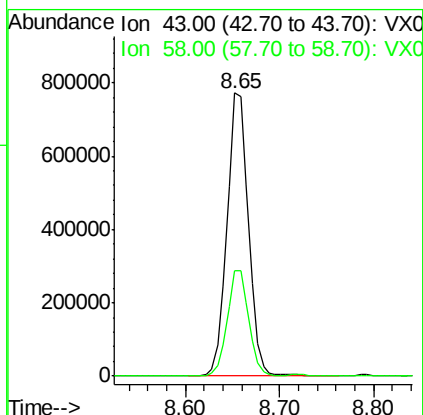
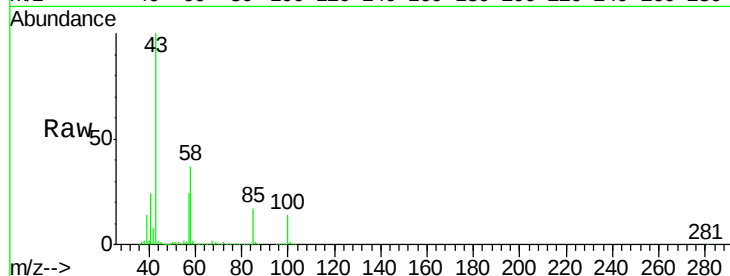




#51
 4-Methyl-2-Pentanone
 Concen: 257.11 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

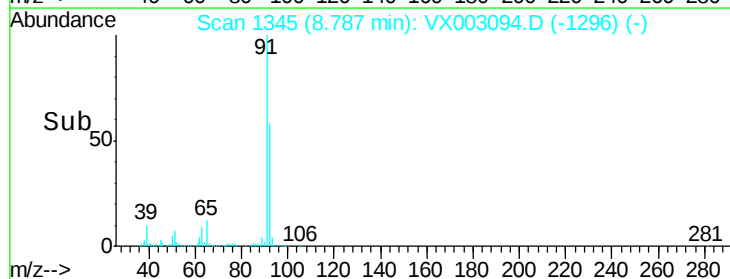
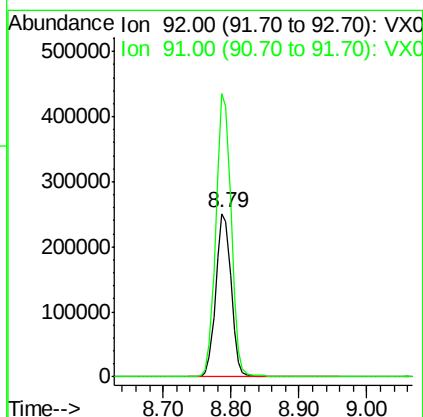
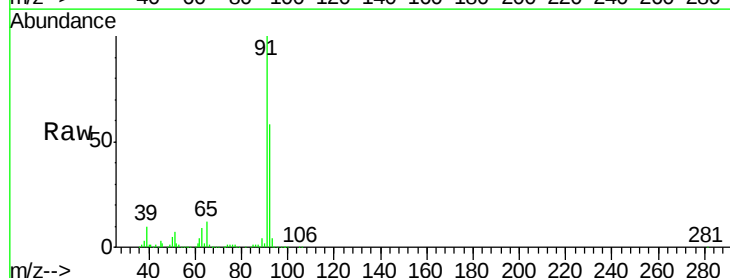
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

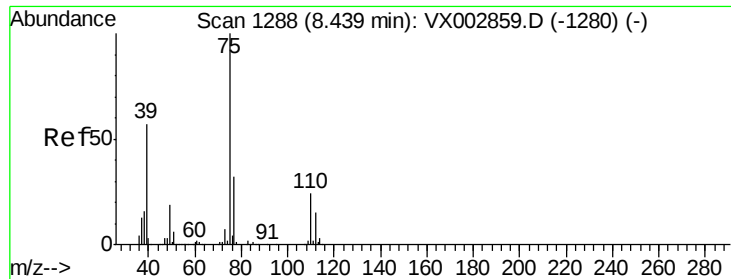
Tot Ion: 43 Resp: 1217905
 Ion Ratio Lower Upper
 43 100
 58 37.3 28.6 42.8



#52
 Toluene
 Concen: 50.42 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion: 92 Resp: 393512
 Ion Ratio Lower Upper
 92 100
 91 173.5 140.4 210.6

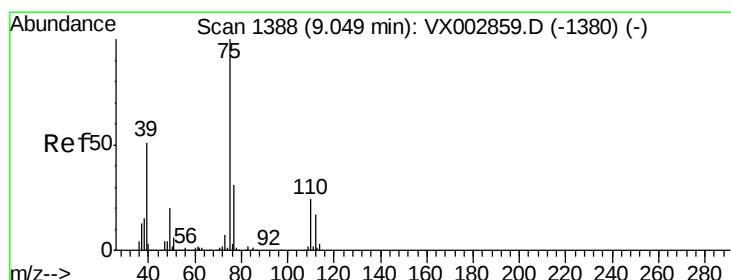
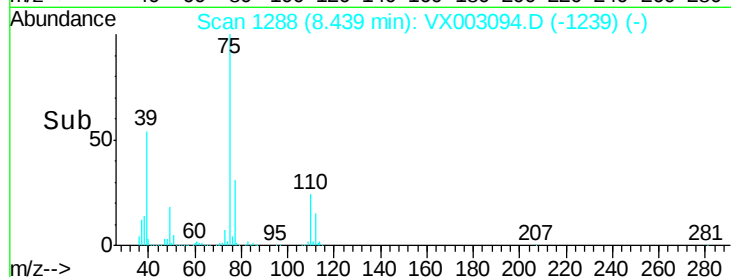
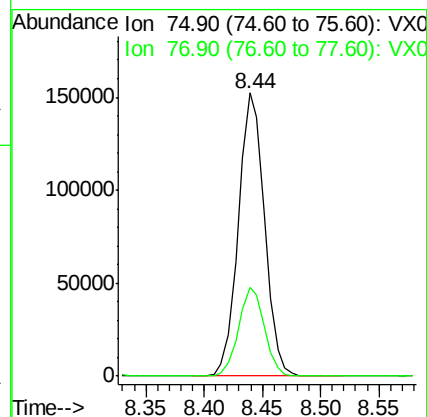
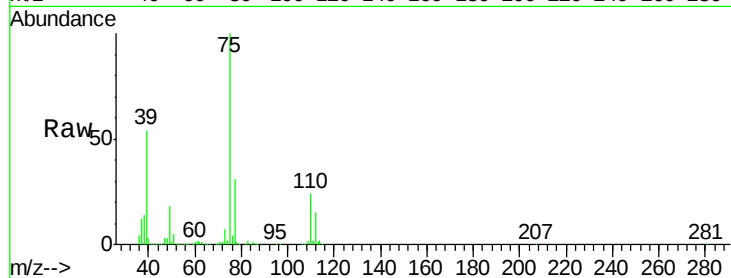




#53
t-1,3-Dichloropropene
Concen: 50.73 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

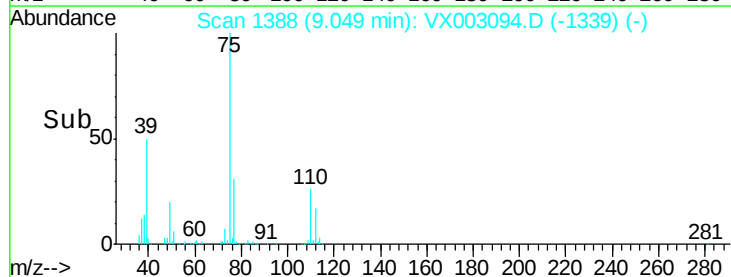
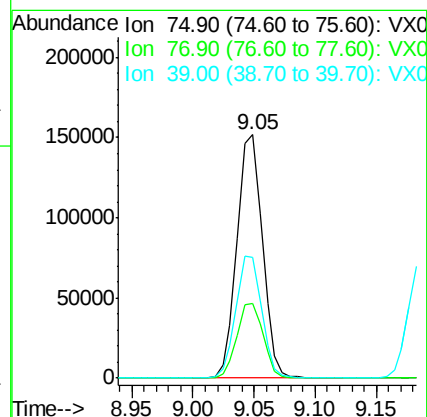
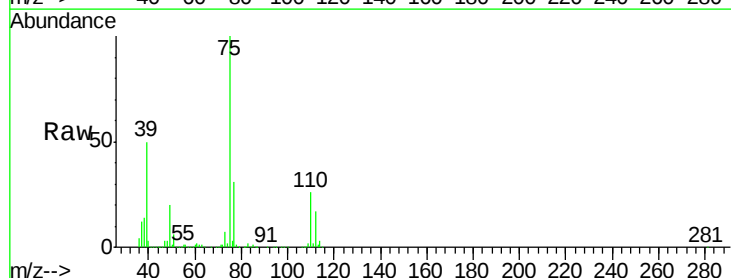
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

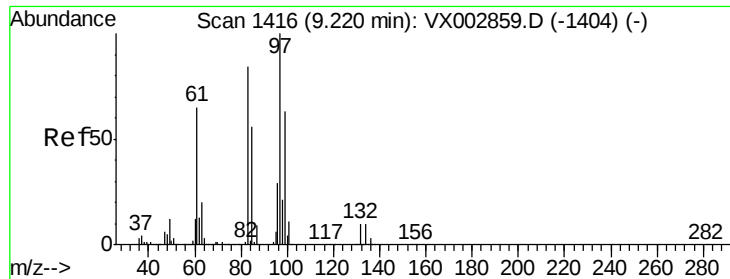
Tot Ion: 75 Resp: 238195
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 48.43 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 75 Resp: 218821
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 49.6 42.4 63.6

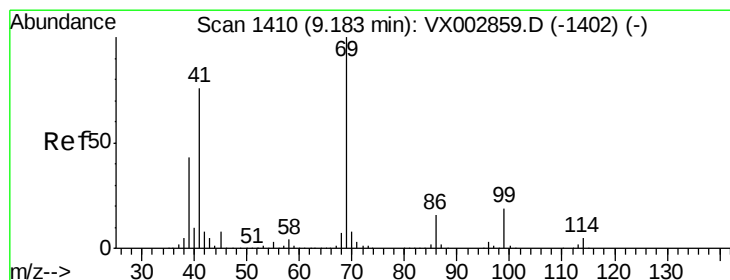
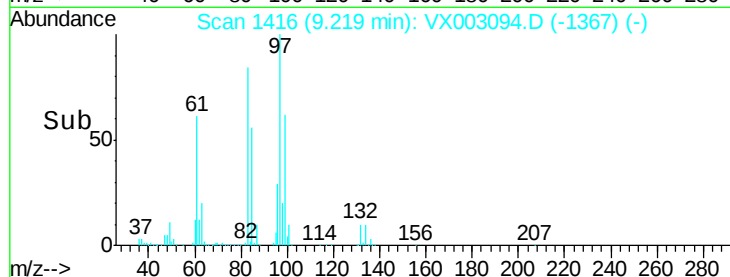
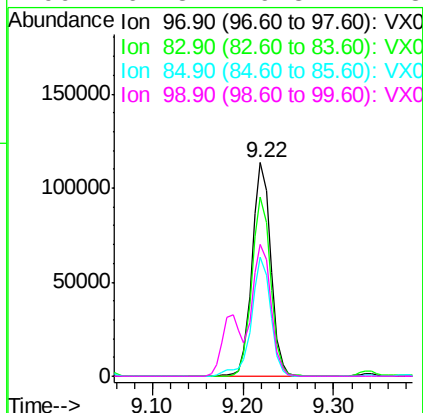
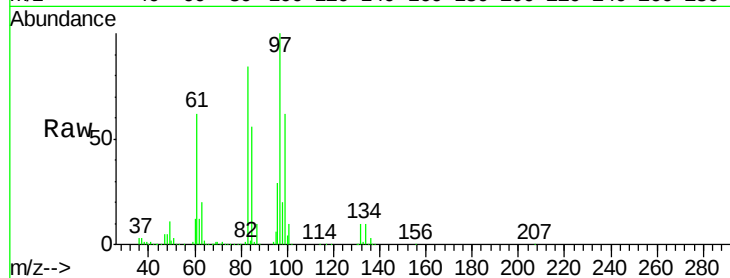




#55
 1,1,2-Trichloroethane
 Concen: 50.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

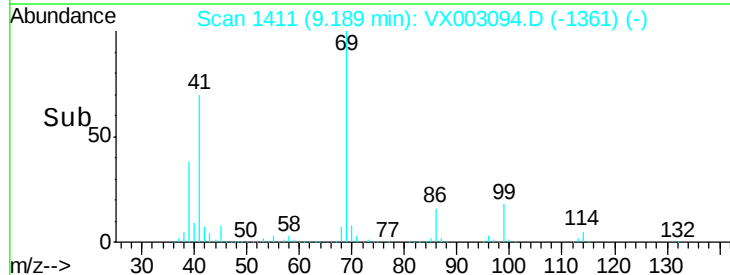
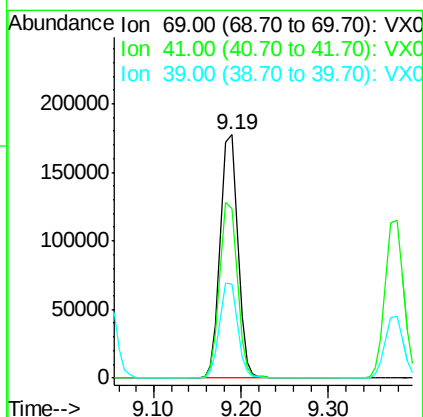
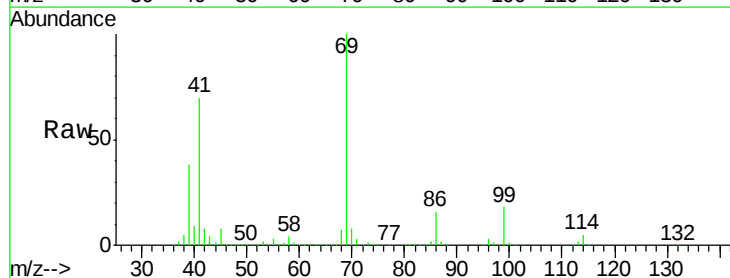
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

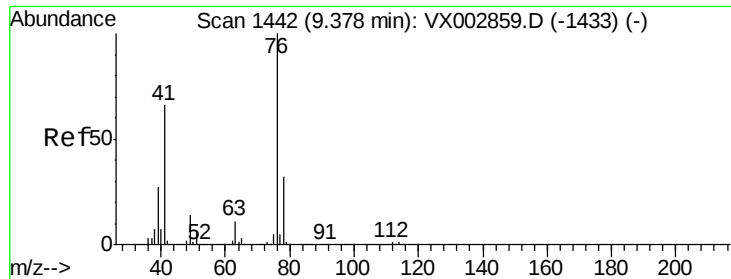
Tot Ion:	97	Resp:	163101
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.2	105.2
85	55.7	44.9	67.3
99	61.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.05 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion:	69	Resp:	248625
Ion	Ratio	Lower	Upper
69	100		
41	72.2	60.3	90.5
39	39.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 50.49 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

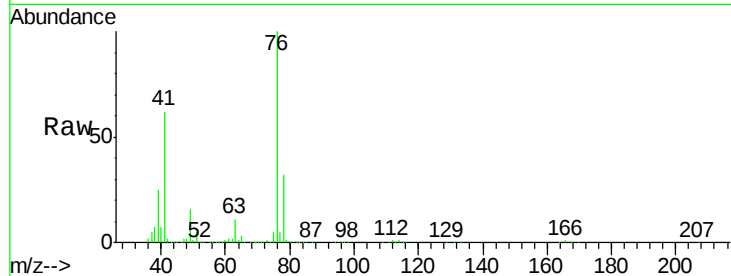
VSTDCCC050EC

Tot Ion: 76 Resp: 265955

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

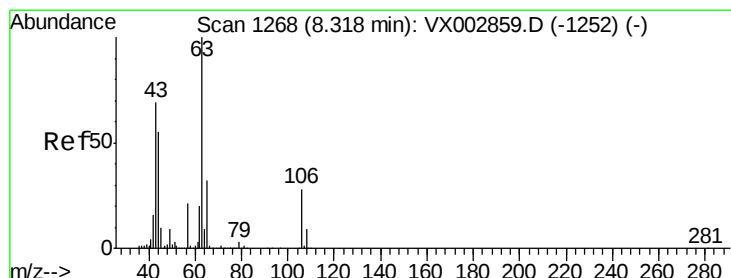
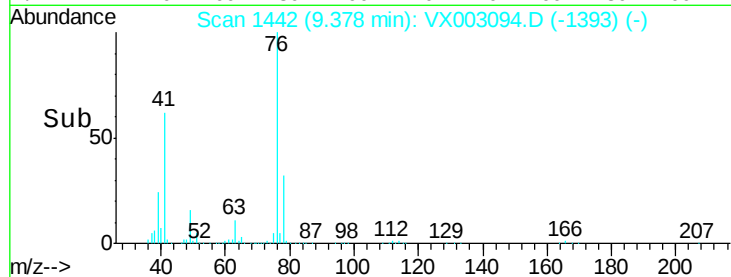
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.68 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003094.D

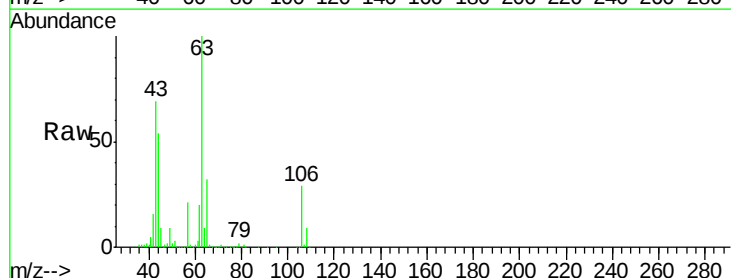
Acq: 30 Jun 2018 22:02

Tgt Ion: 63 Resp: 580397

Ion Ratio Lower Upper

63 100

106 29.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

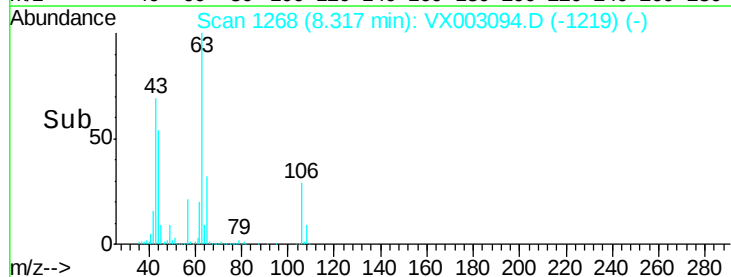
300000

200000

100000

0

Time-->

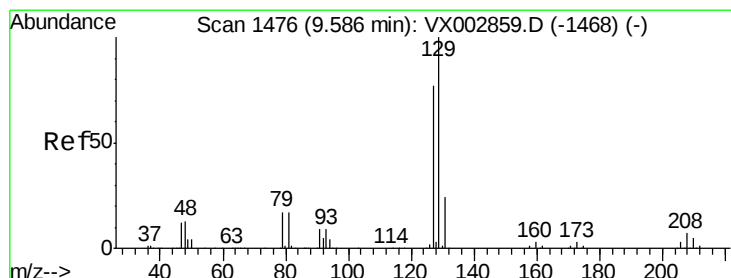
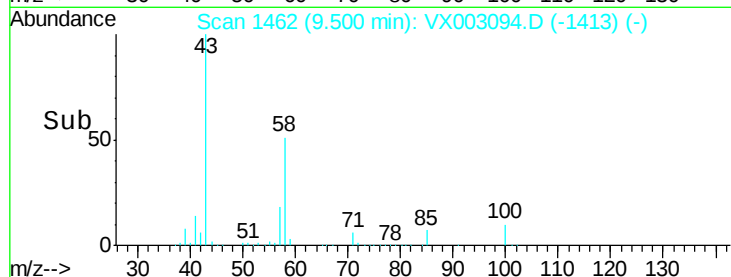
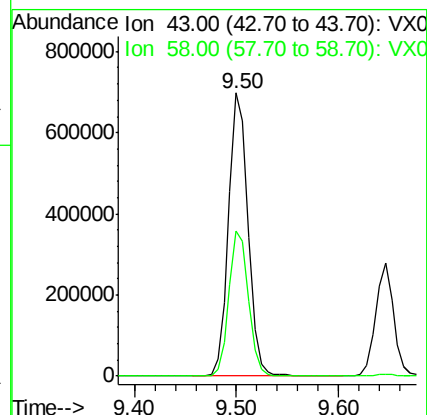
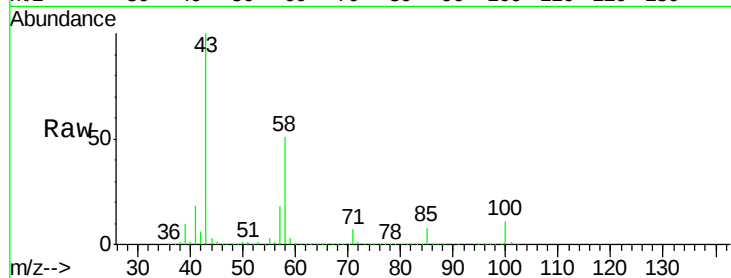




#59
2-Hexanone
Concen: 257.34 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

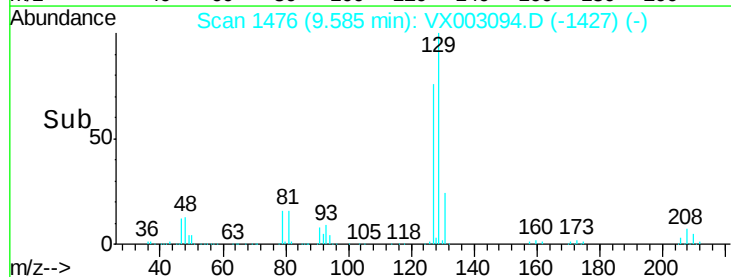
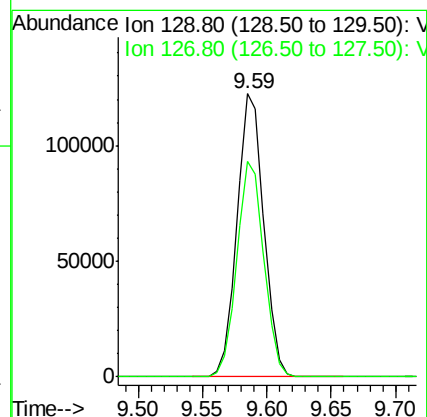
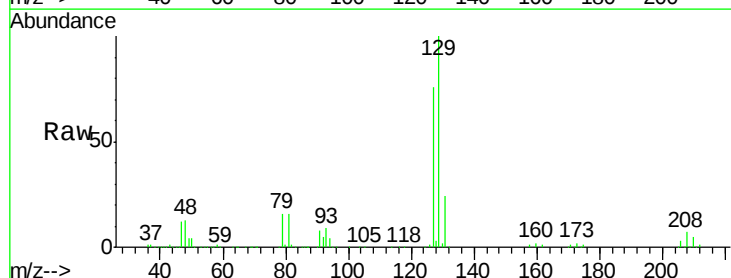
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

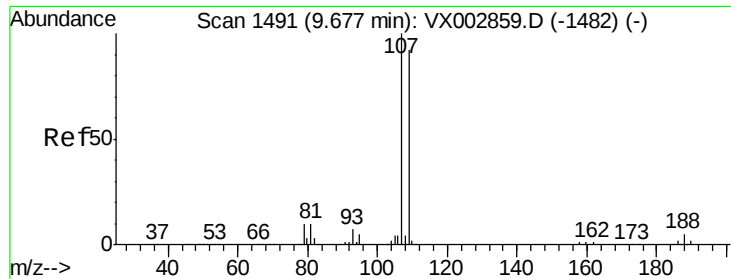
Tot Ion: 43 Resp: 926435
Ion Ratio Lower Upper
43 100
58 51.4 24.6 73.6



#60
Dibromochloromethane
Concen: 52.60 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion:129 Resp: 177583
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.29 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

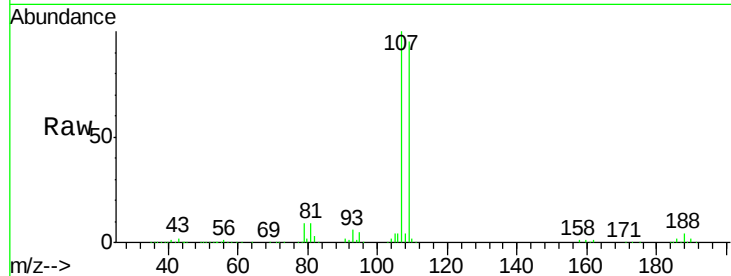
VSTDCCC050EC

Tot Ion:107 Resp: 172520

Ion Ratio Lower Upper

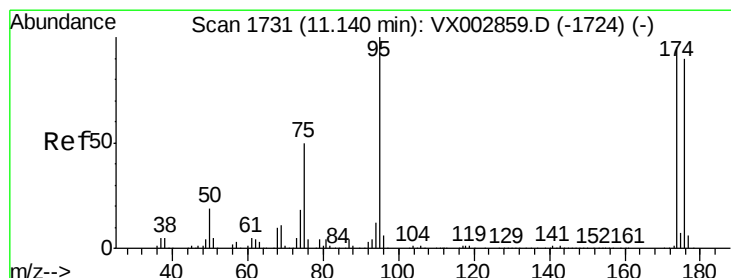
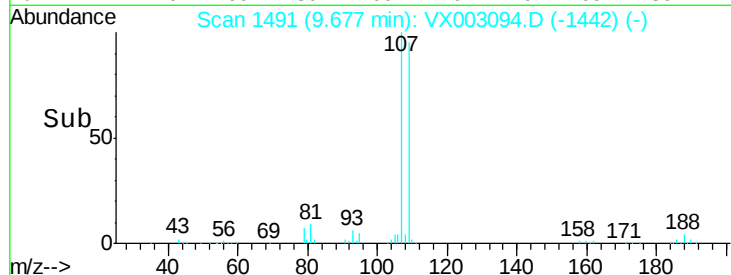
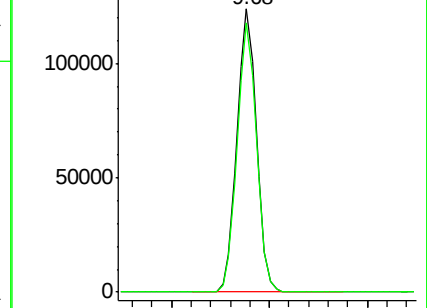
107 100

109 94.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

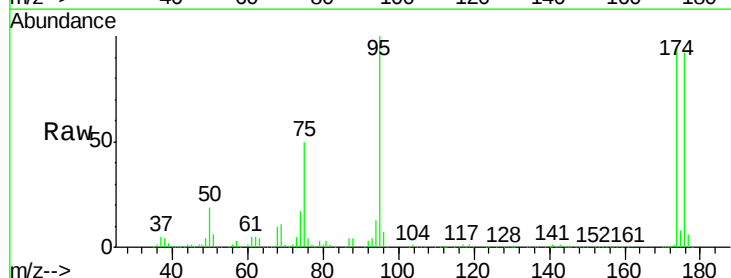
Tgt Ion: 95 Resp: 214635

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

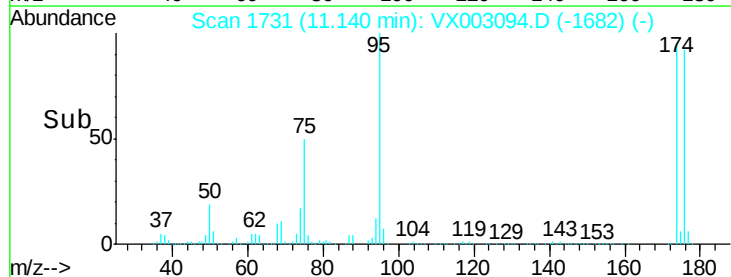
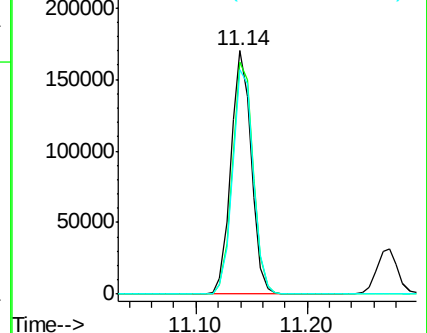
176 94.0 0.0 181.0

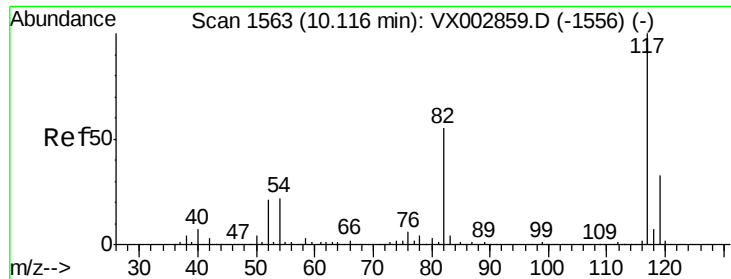


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

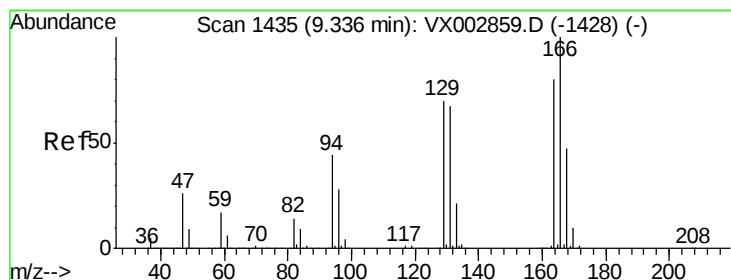
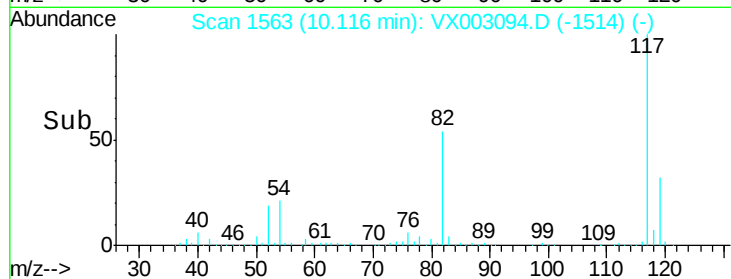
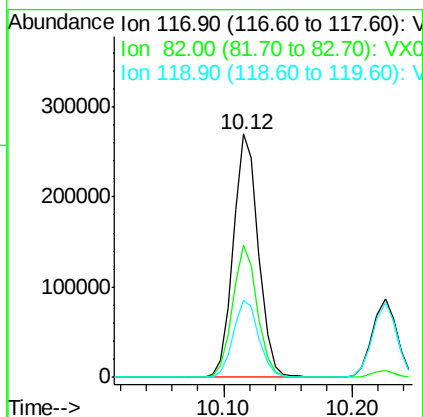
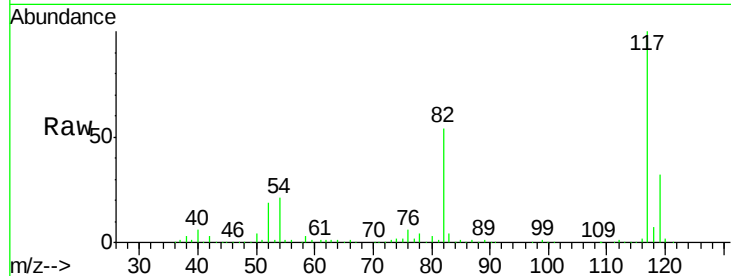




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

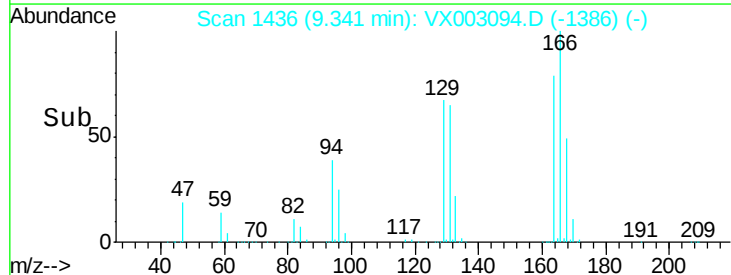
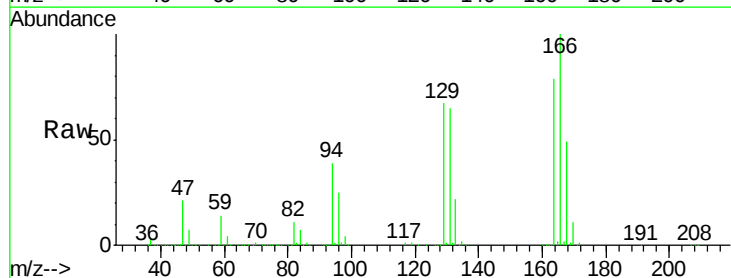
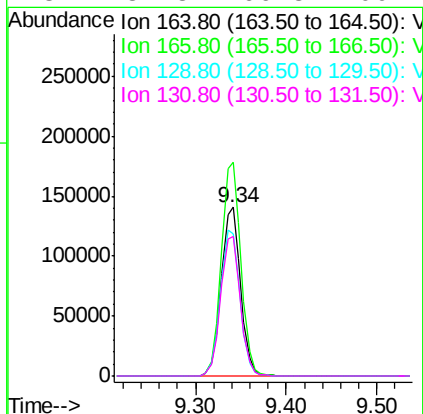
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 366757
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 51.67 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion:164 Resp: 210719
Ion Ratio Lower Upper
164 100
166 126.7 102.9 154.3
129 84.6 68.6 102.8
131 82.8 66.8 100.2





#65

Chlorobenzene

Concen: 49.28 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

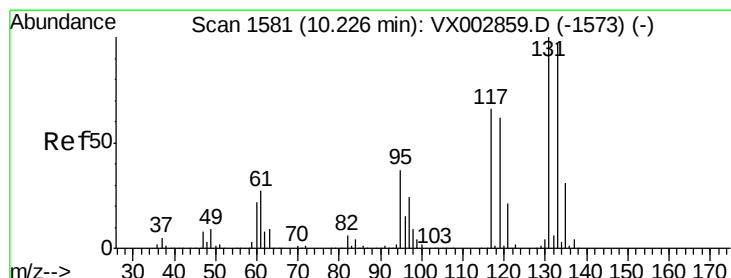
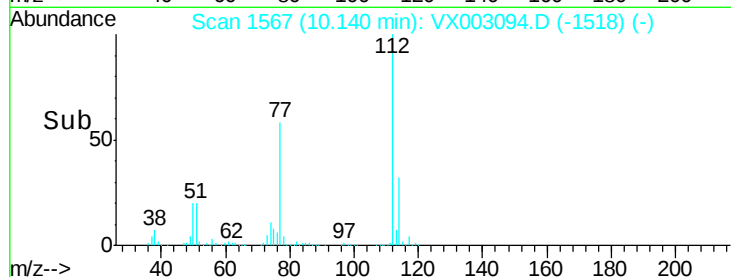
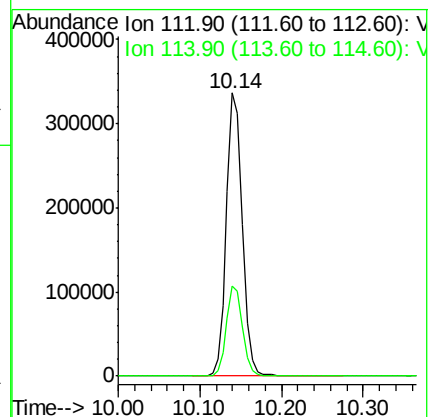
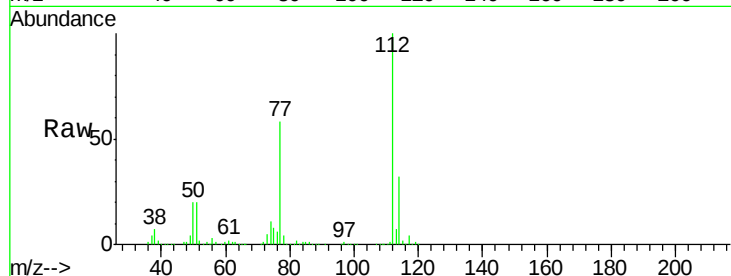
VSTDCCC050EC

Tot Ion:112 Resp: 459095

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 50.82 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

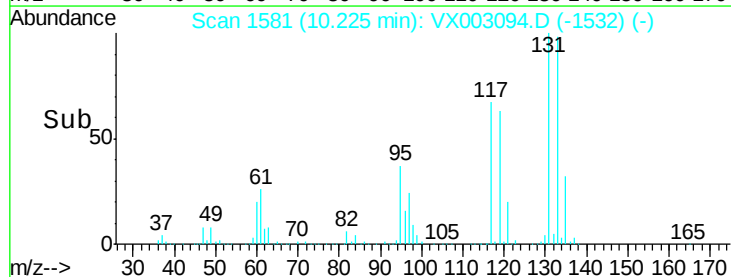
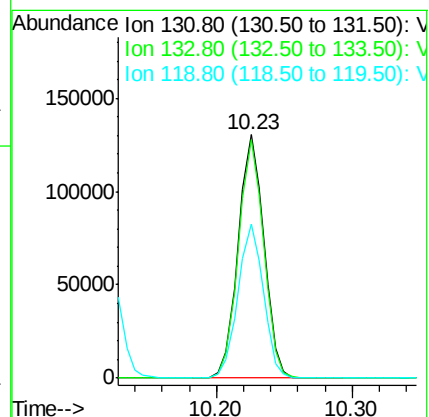
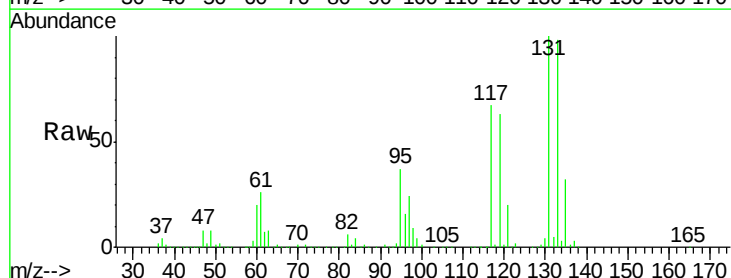
Tgt Ion:131 Resp: 171962

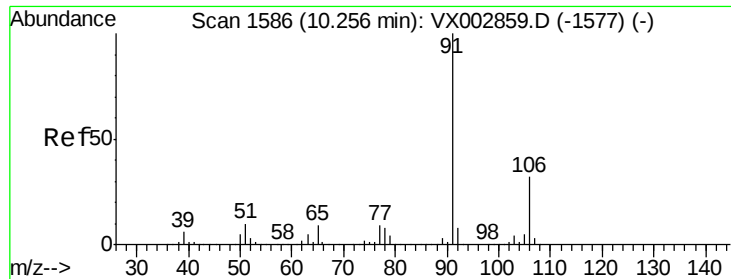
Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.6

119 62.6 31.8 95.3

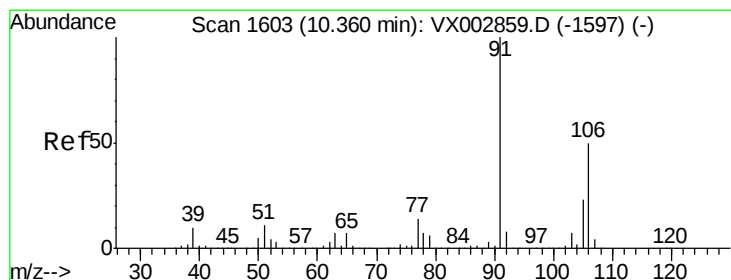
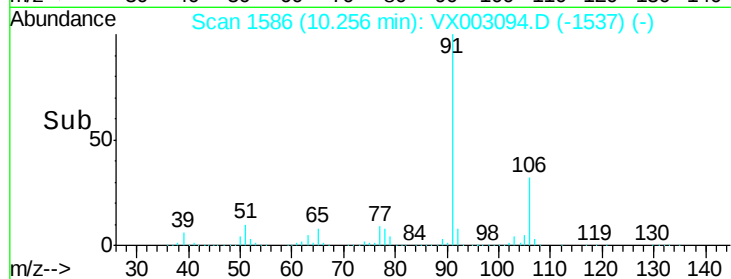
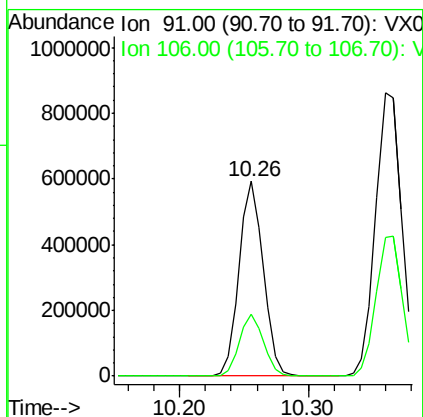
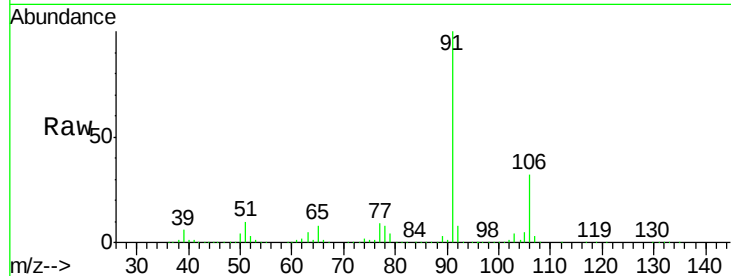




#67
Ethyl Benzene
Concen: 50.26 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

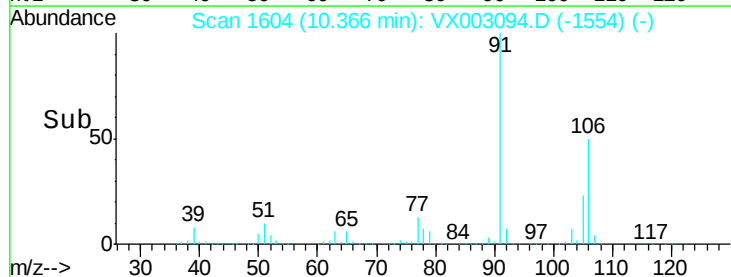
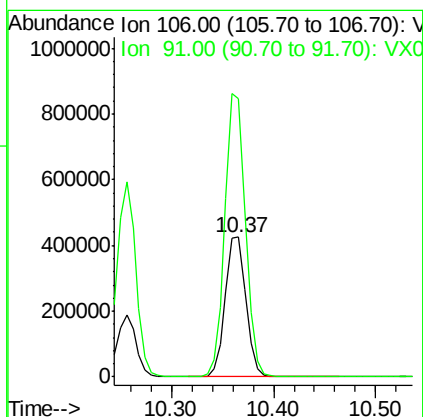
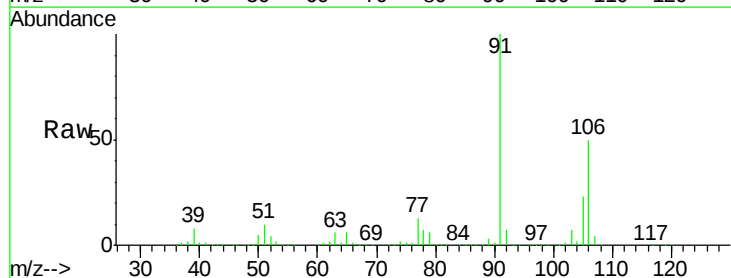
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

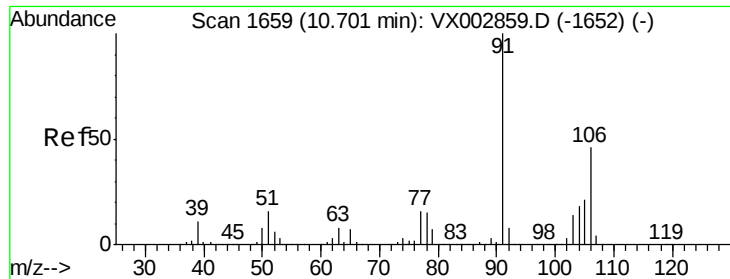
Tot Ion: 91 Resp: 773429
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 101.18 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 106 Resp: 600052
Ion Ratio Lower Upper
106 100
91 201.6 163.4 245.2

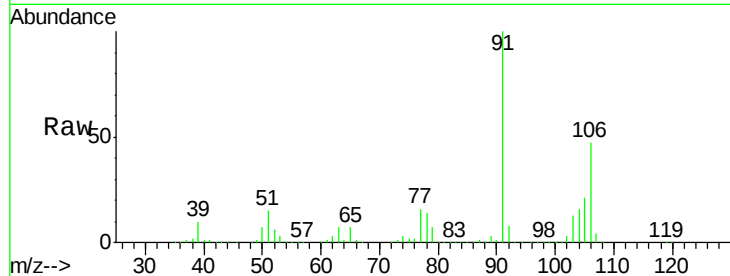




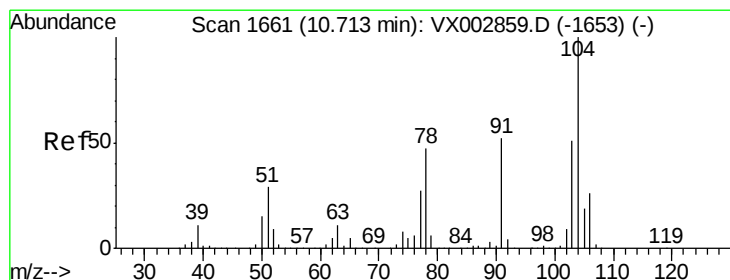
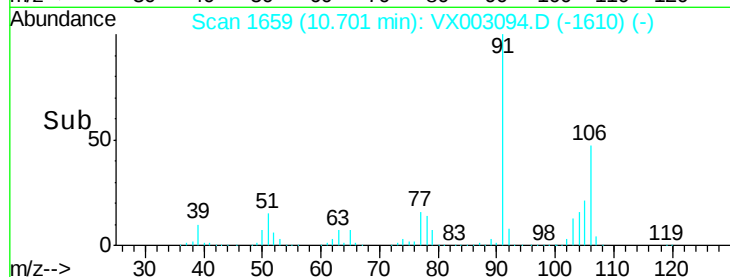
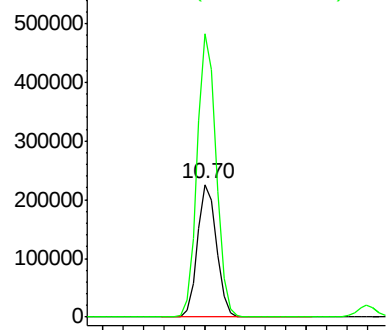
#69
o-Xylene
Concen: 50.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 293776
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6

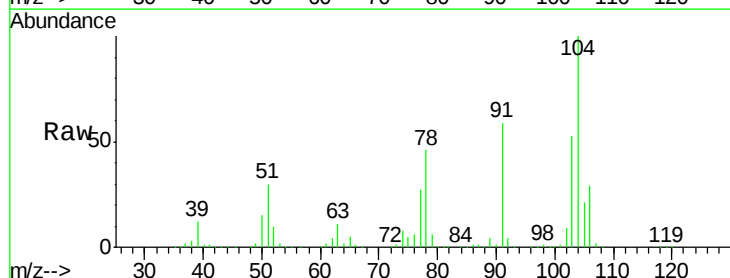


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

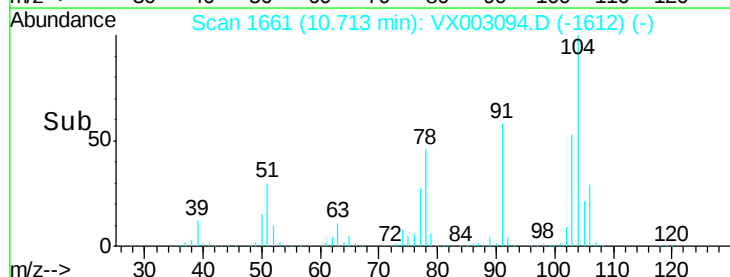
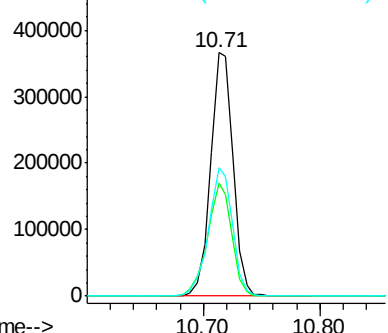


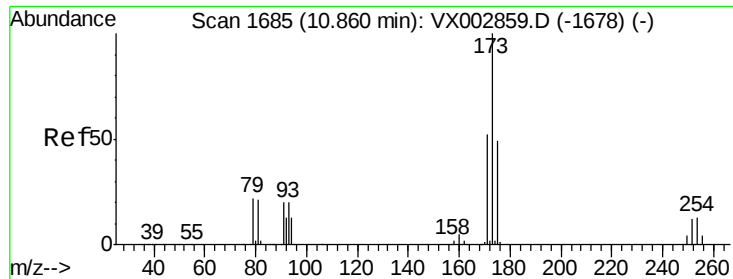
#70
Styrene
Concen: 52.50 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion:104 Resp: 492651
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 56.2 44.2 66.4



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

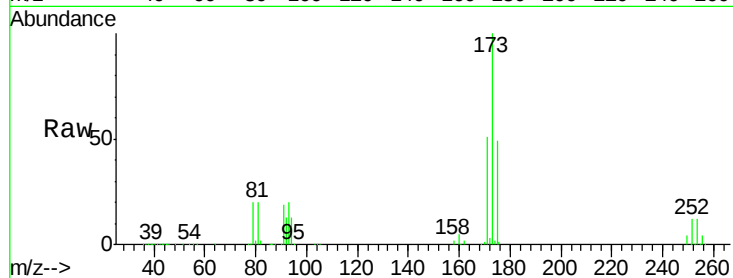




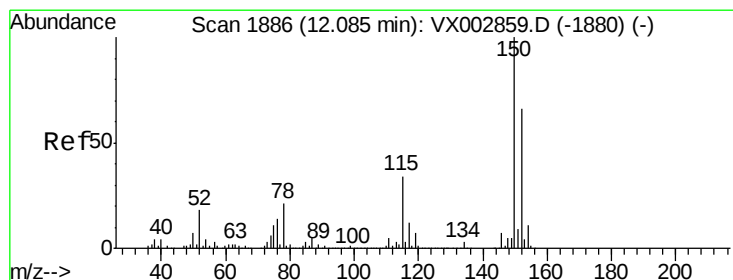
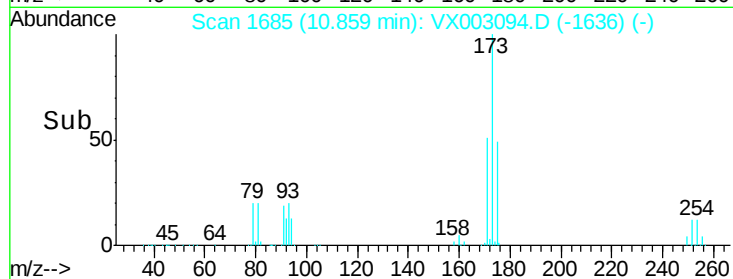
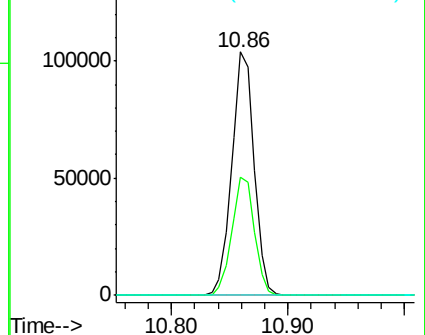
#71
Bromoform
Concen: 45.72 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 138696
Ion Ratio Lower Upper
173 100
175 49.1 24.7 74.1
254 0.2 0.2 0.2

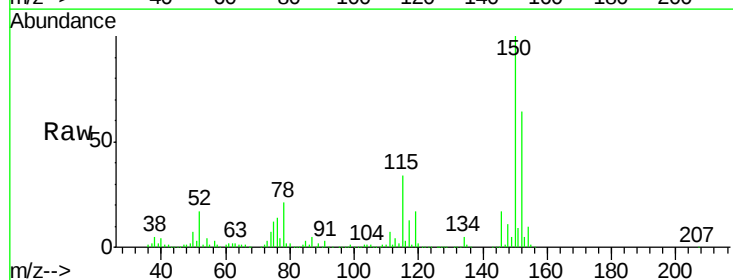


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

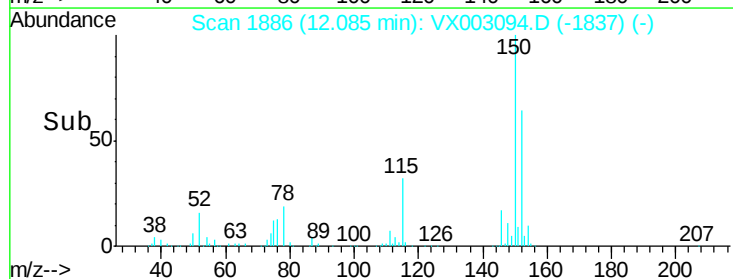
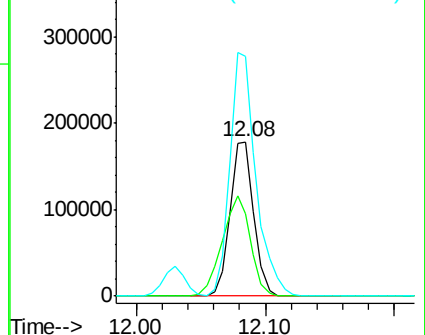


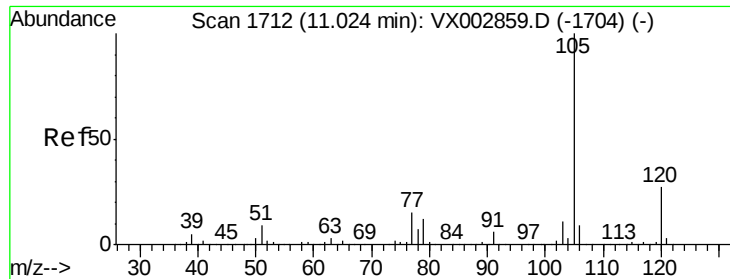
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion:152 Resp: 230148
Ion Ratio Lower Upper
152 100
115 77.3 40.1 120.2
150 174.2 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

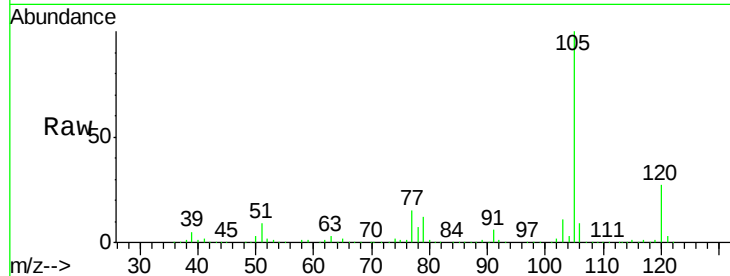
VSTDCCC050EC

Tot Ion:105 Resp: 795486

Ion Ratio Lower Upper

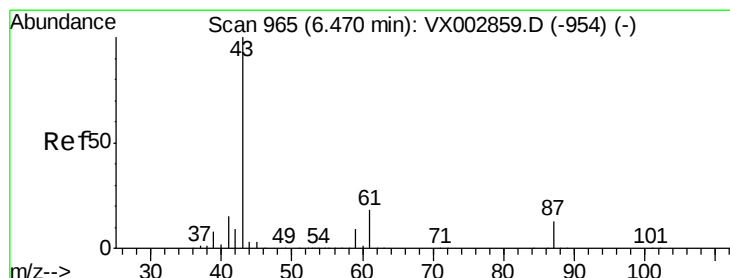
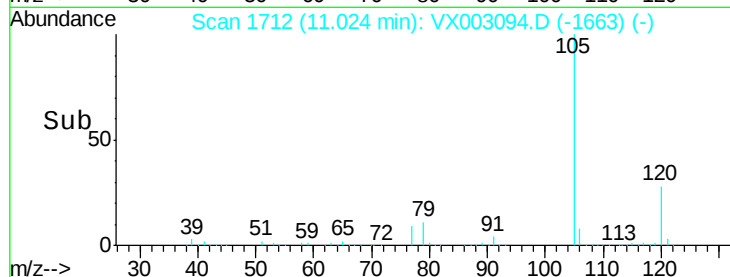
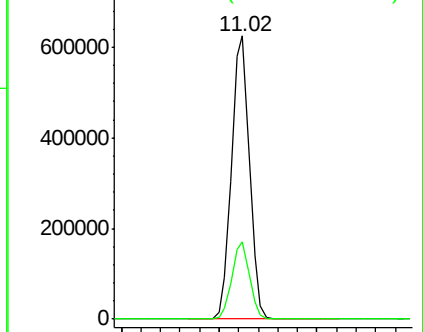
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.67 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Tgt Ion: 43 Resp: 376246

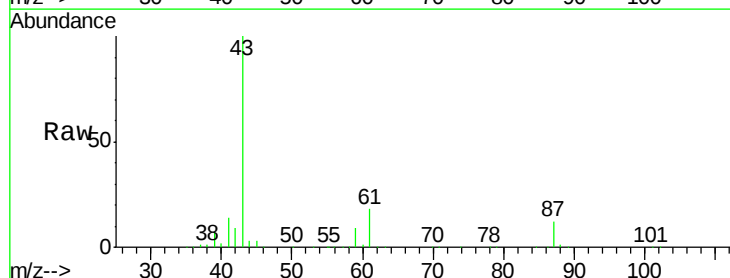
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 19.0 14.4 21.6

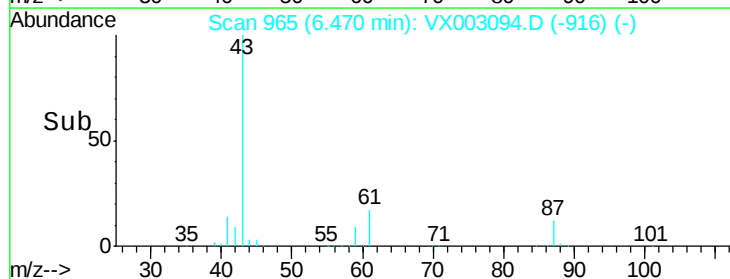
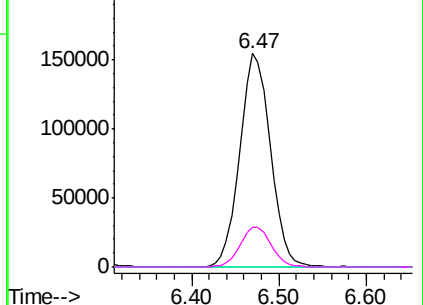


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.27 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

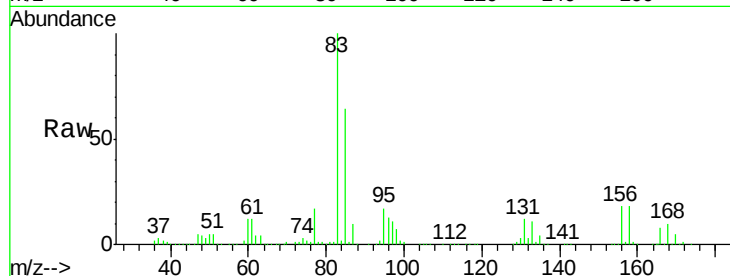
Tot Ion: 83 Resp: 244513

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

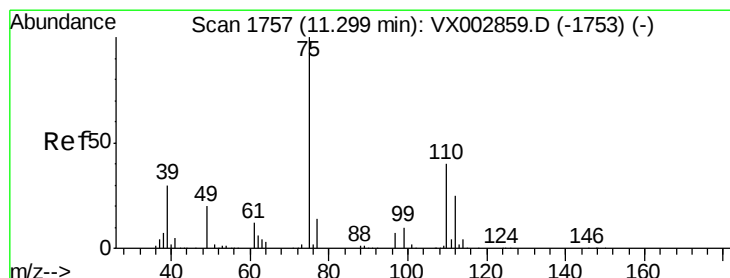
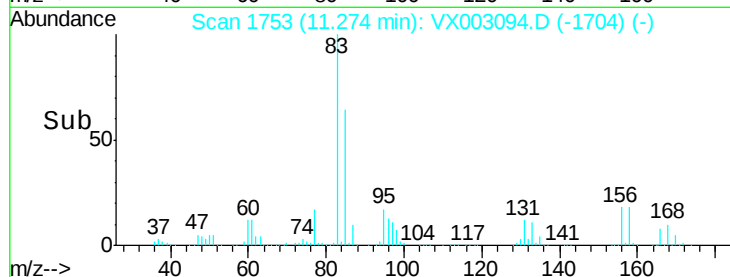
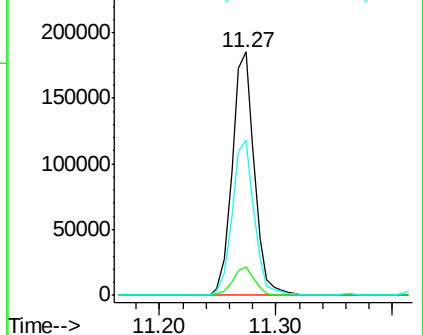
85 63.8 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.36 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003094.D

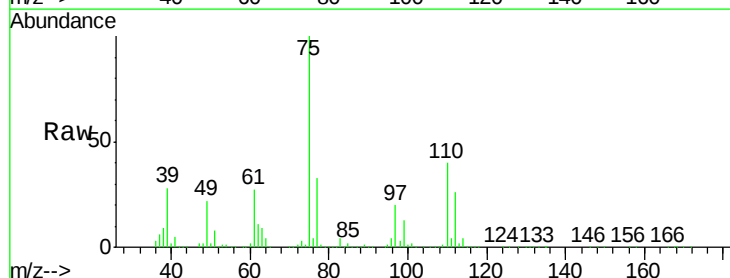
Acq: 30 Jun 2018 22:02

Tgt Ion: 75 Resp: 272462

Ion Ratio Lower Upper

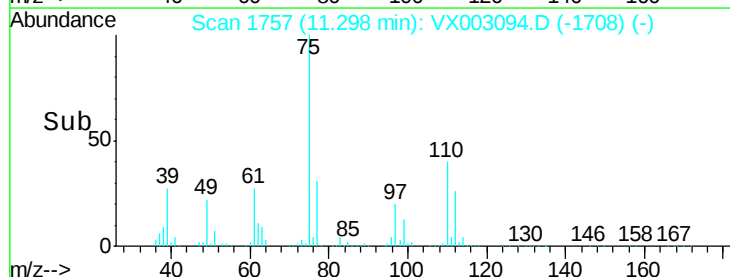
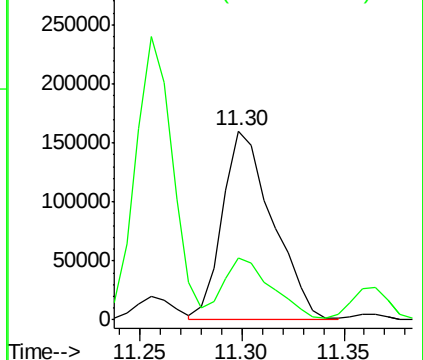
75 100

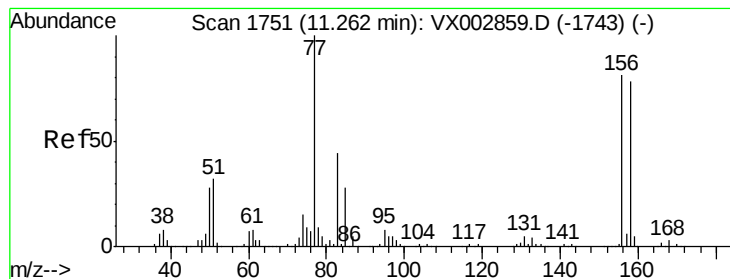
77 32.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.28 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

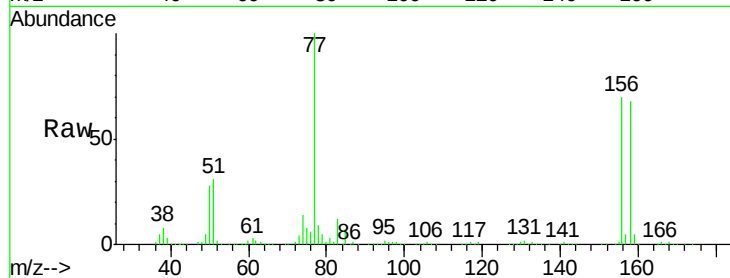
Tot Ion:156 Resp: 221679

Ion Ratio Lower Upper

156 100

77 136.6 71.4 214.2

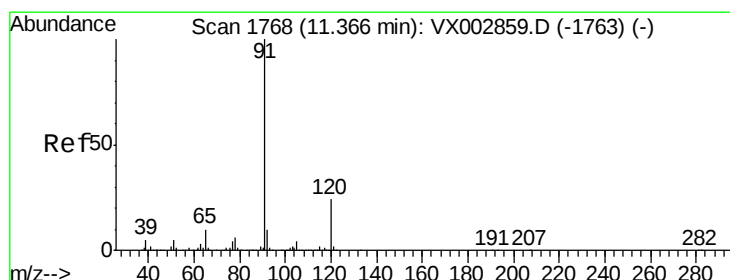
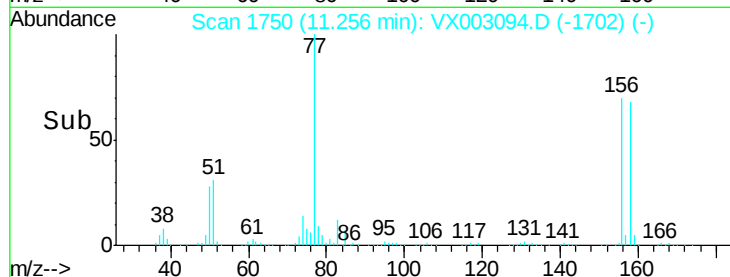
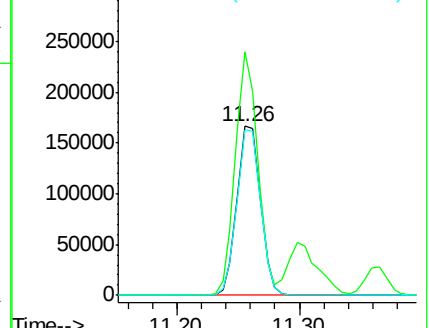
158 98.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003094.D

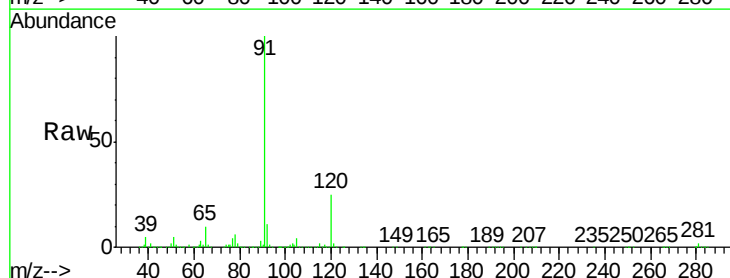
Acq: 30 Jun 2018 22:02

Tgt Ion: 91 Resp: 885615

Ion Ratio Lower Upper

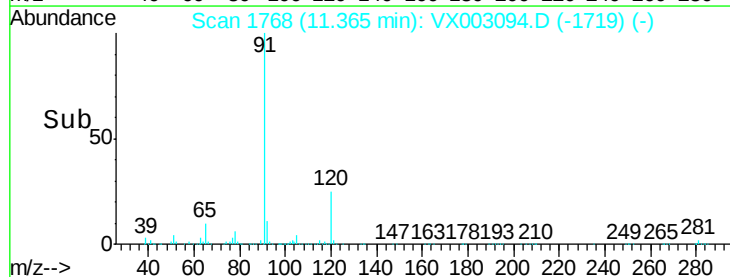
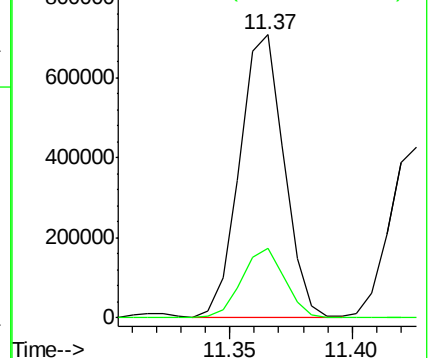
91 100

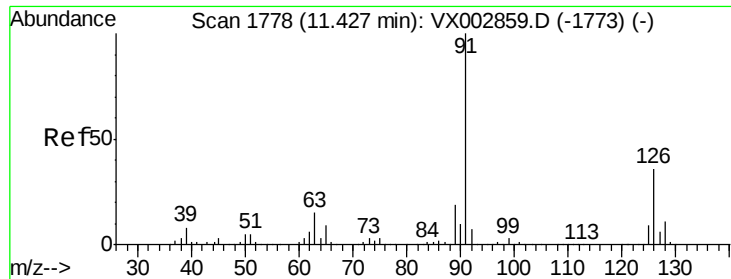
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.00 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

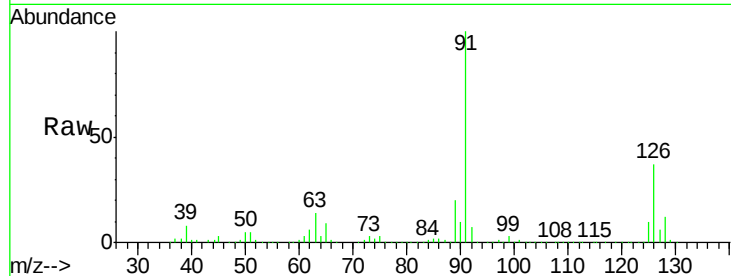
VSTDCCC050EC

Tot Ion: 91 Resp: 533475

Ion Ratio Lower Upper

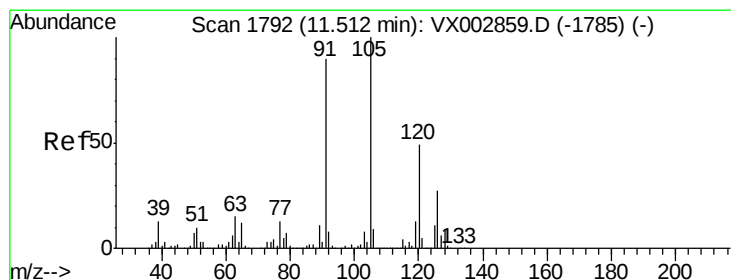
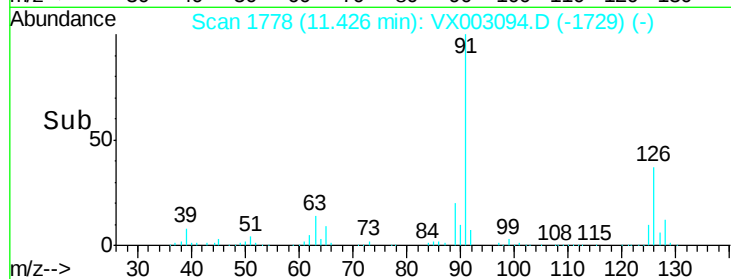
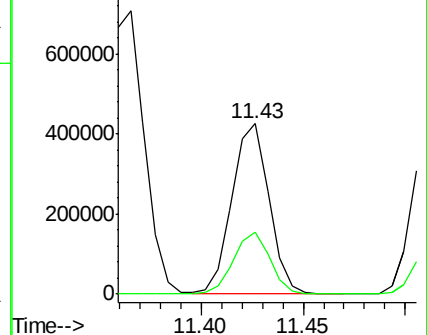
91 100

126 36.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.95 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003094.D

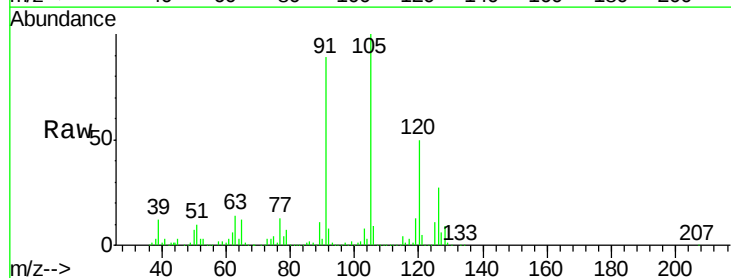
Acq: 30 Jun 2018 22:02

Tgt Ion:105 Resp: 664354

Ion Ratio Lower Upper

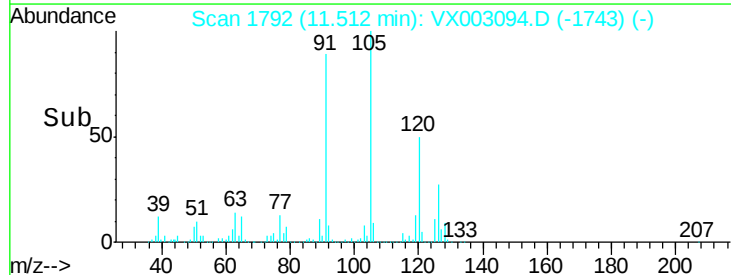
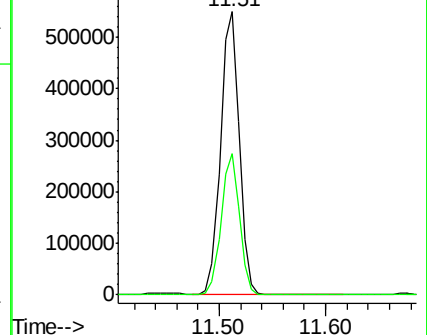
105 100

120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.25 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

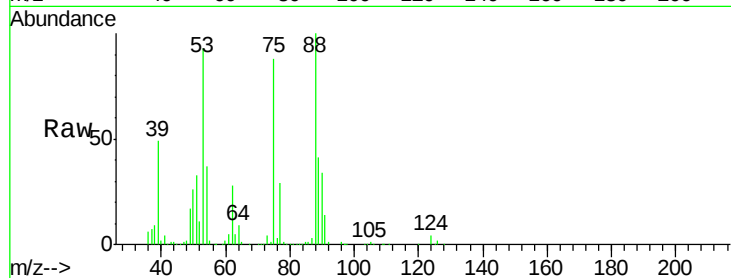
Tot Ion: 75 Resp: 59903

Ion Ratio Lower Upper

75 100

53 108.3 86.8 130.2

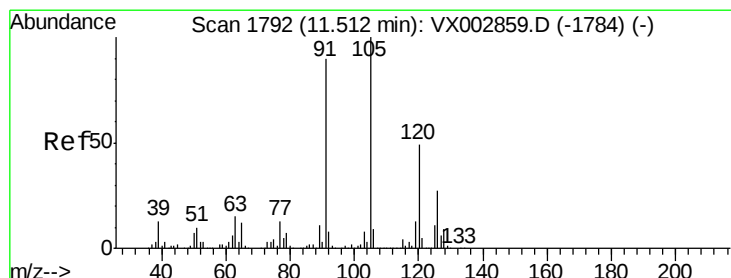
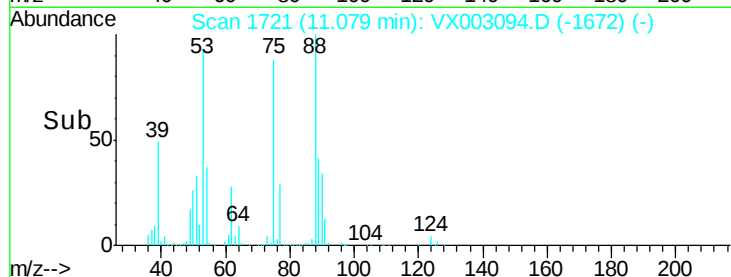
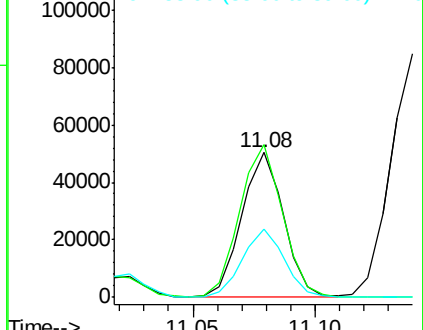
89 47.4 38.2 57.2



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: 49.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003094.D

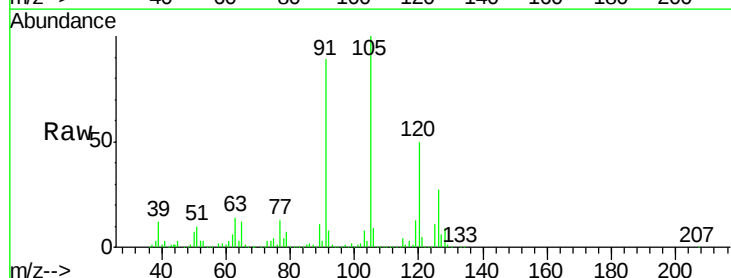
Acq: 30 Jun 2018 22:02

Tgt Ion: 91 Resp: 627007

Ion Ratio Lower Upper

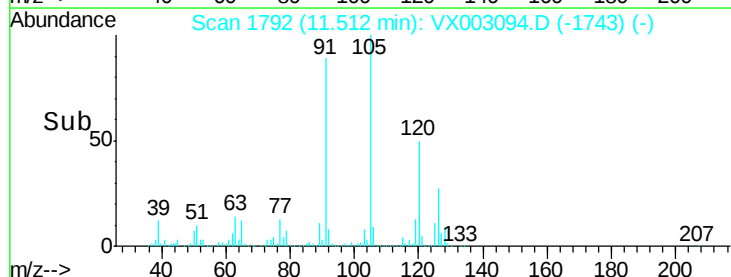
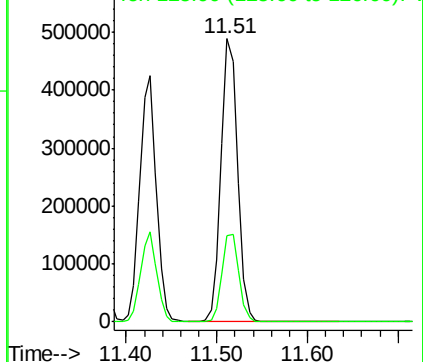
91 100

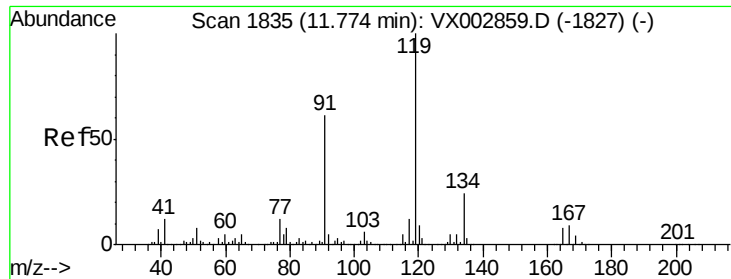
126 31.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

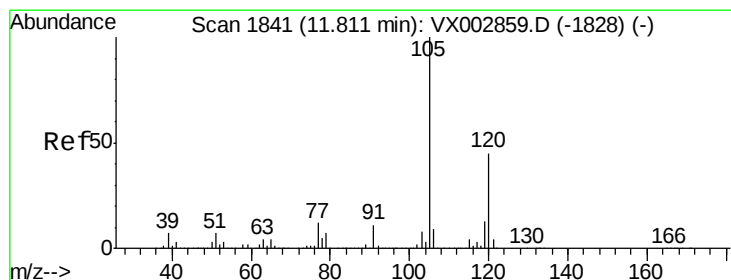
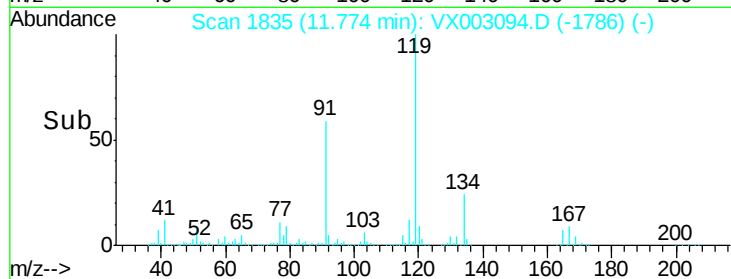
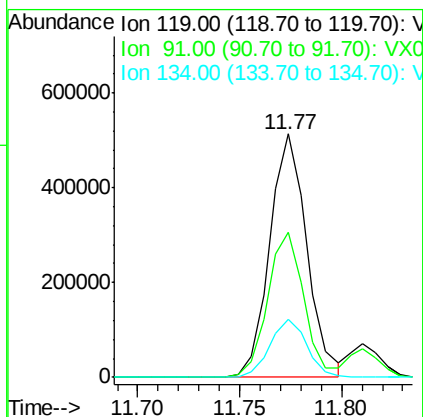
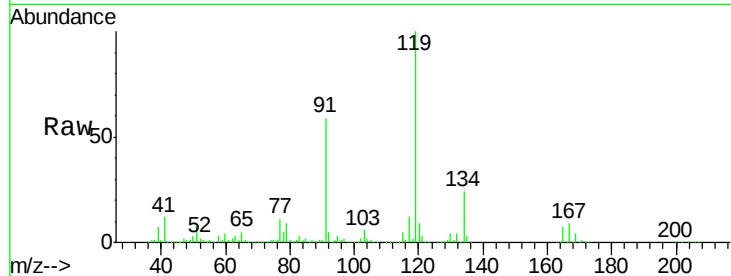




#83
 tert-Butylbenzene
 Concen: 50.67 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

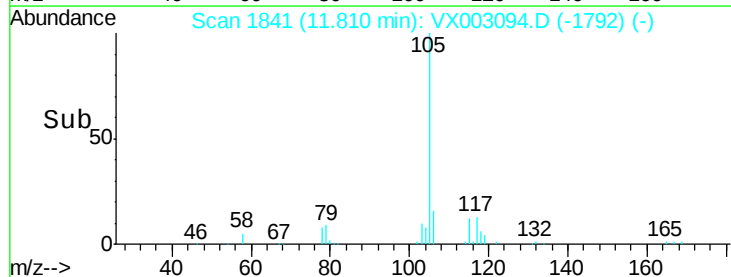
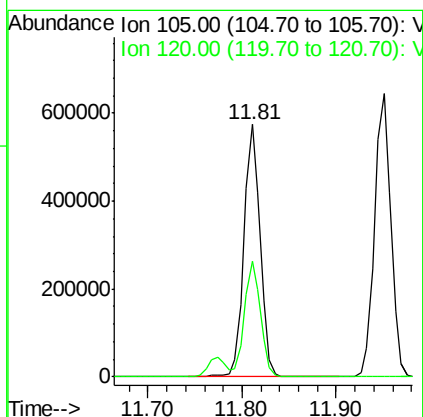
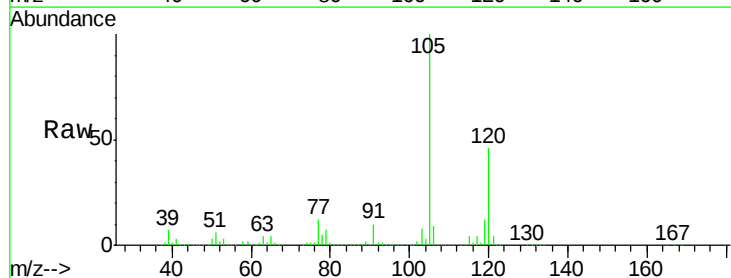
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

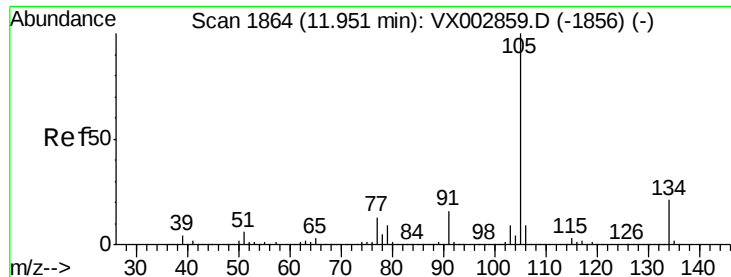
Tot Ion:119 Resp: 651215
 Ion Ratio Lower Upper
 119 100
 91 58.5 30.3 90.9
 134 23.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.71 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion:105 Resp: 685170
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.78 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

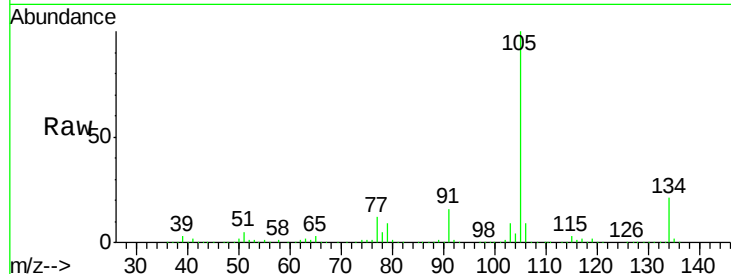
VSTDCCC050EC

Tot Ion:105 Resp: 776091

Ion Ratio Lower Upper

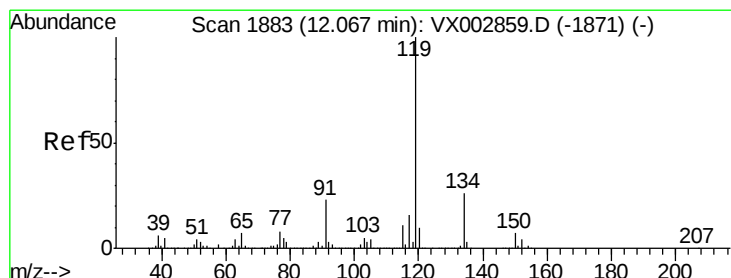
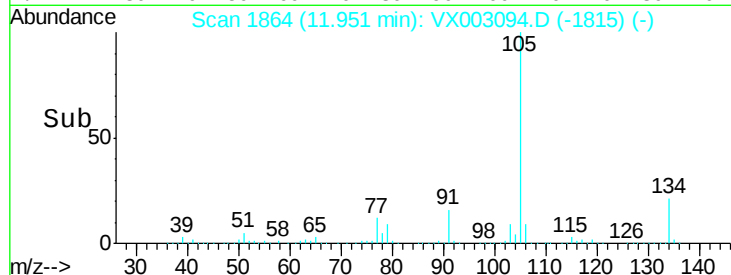
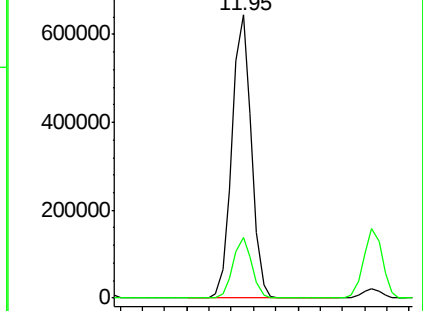
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.82 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

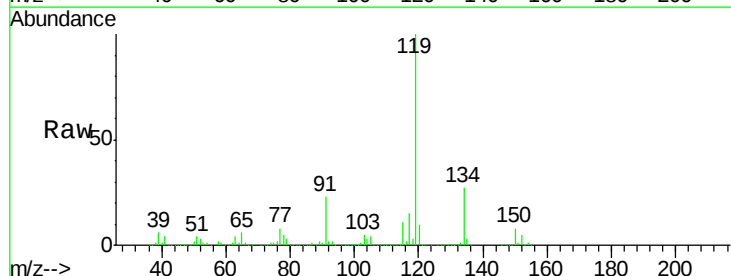
Tgt Ion:119 Resp: 698290

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

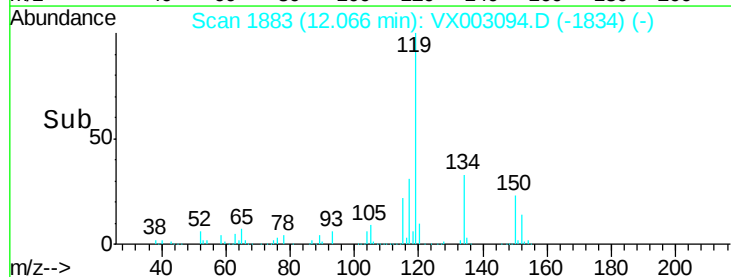
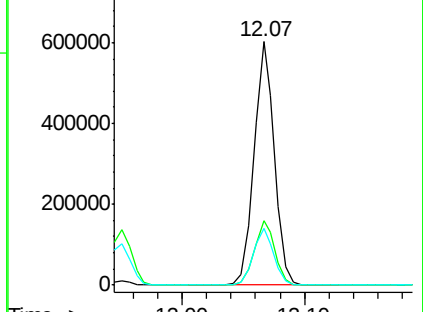
91 23.2 11.9 35.7

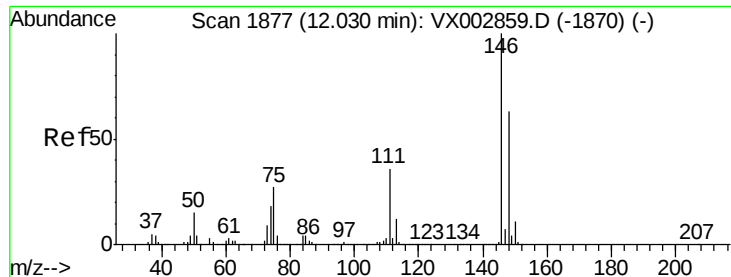


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.30 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

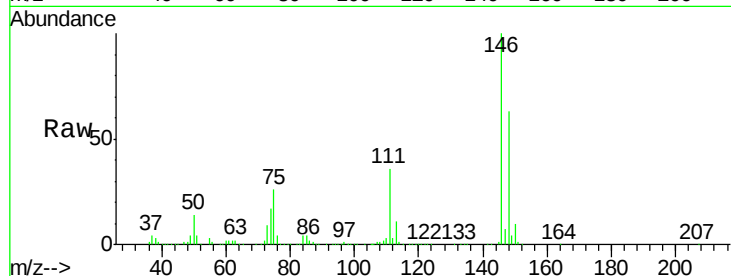
Tot Ion:146 Resp: 405065

Ion Ratio Lower Upper

146 100

111 36.8 18.9 56.7

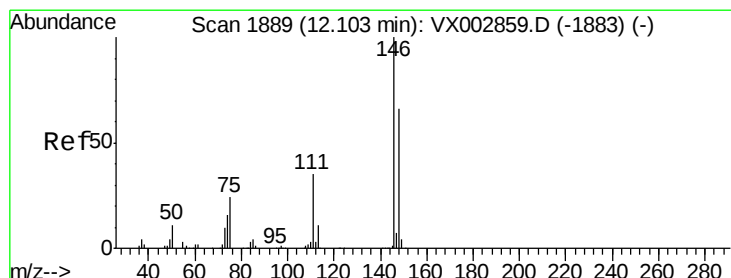
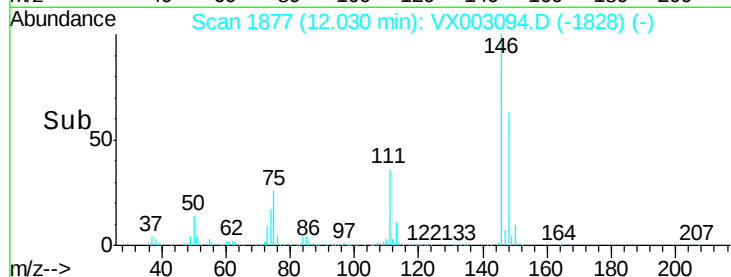
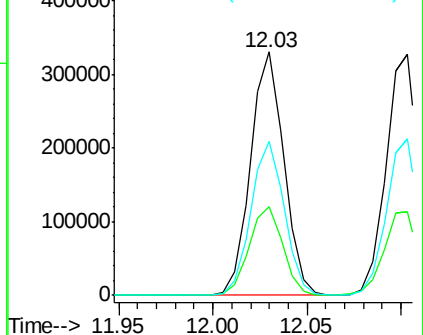
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.94 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

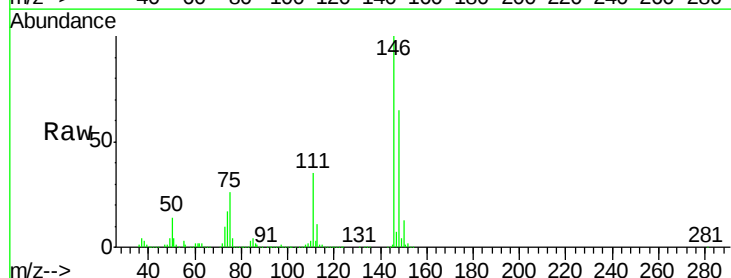
Tgt Ion:146 Resp: 405603

Ion Ratio Lower Upper

146 100

111 36.0 18.7 56.1

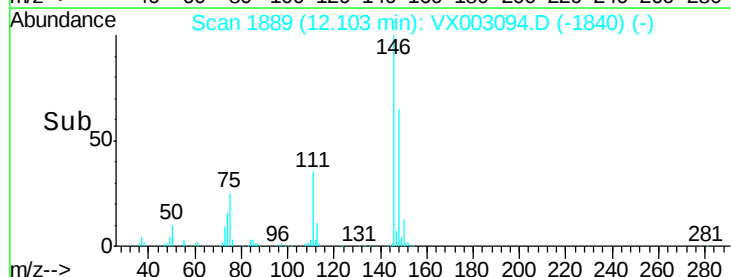
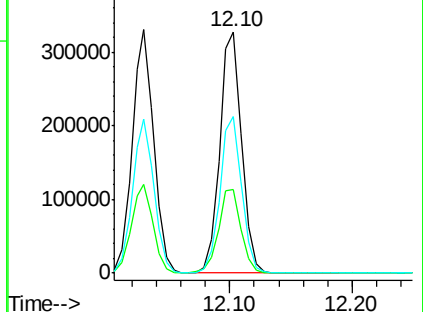
148 64.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

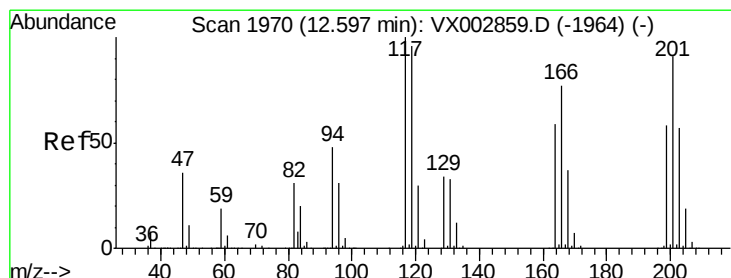
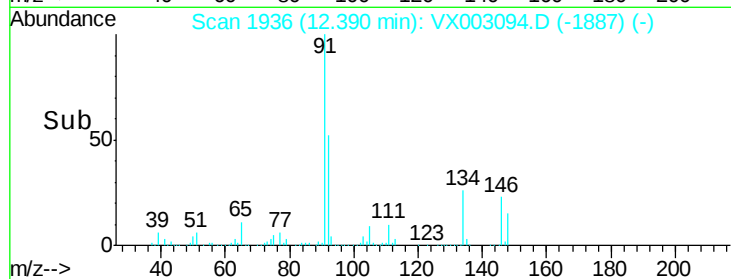
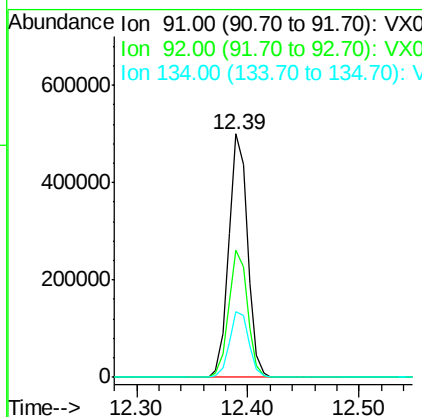
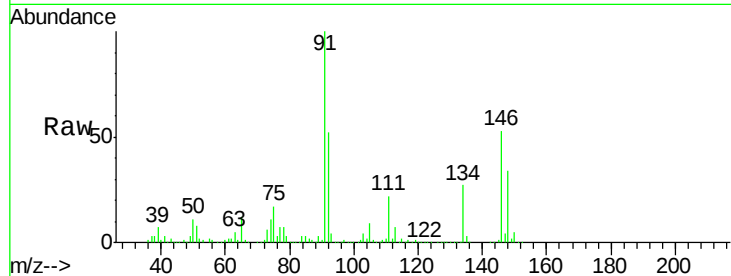




#89
n-Butylbenzene
Concen: 47.57 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

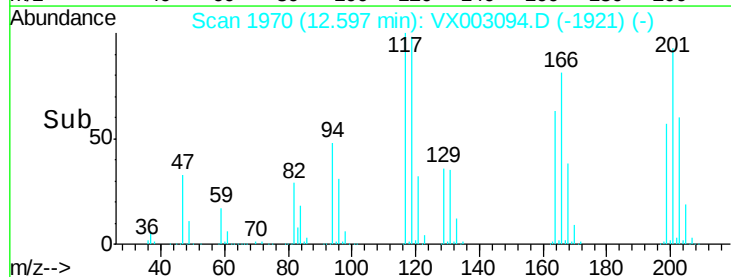
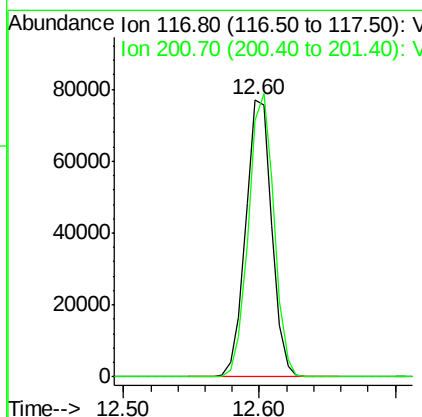
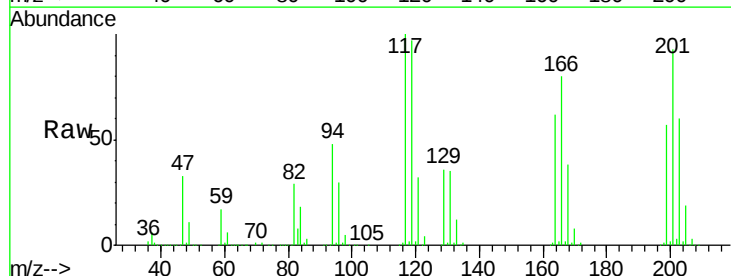
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

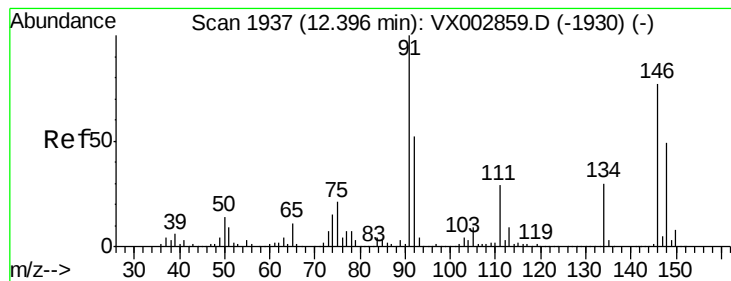
Tot Ion: 91 Resp: 580316
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 27.7 13.5 40.5



#90
Hexachloroethane
Concen: 49.53 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003094.D
Acq: 30 Jun 2018 22:02

Tgt Ion: 117 Resp: 103266
Ion Ratio Lower Upper
117 100
201 99.9 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 49.82 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

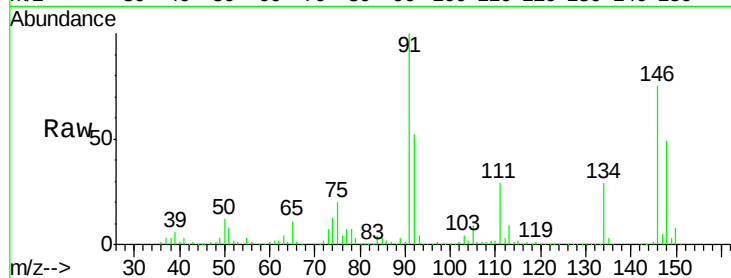
Tot Ion:146 Resp: 404897

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.1

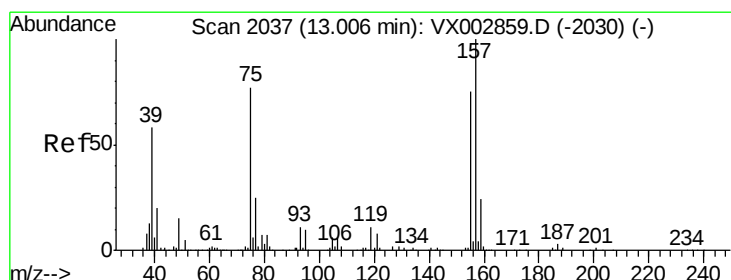
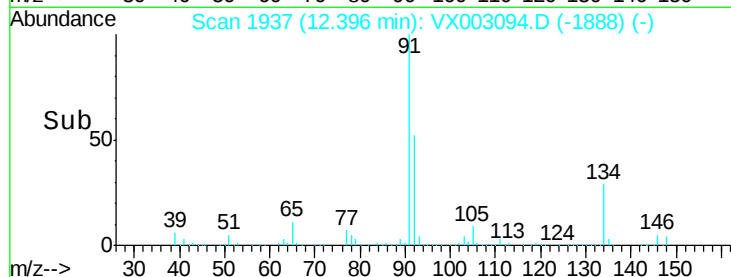
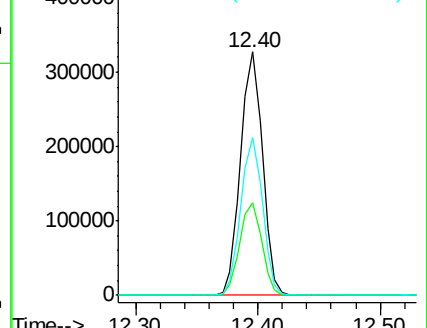
148 64.5 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.86 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

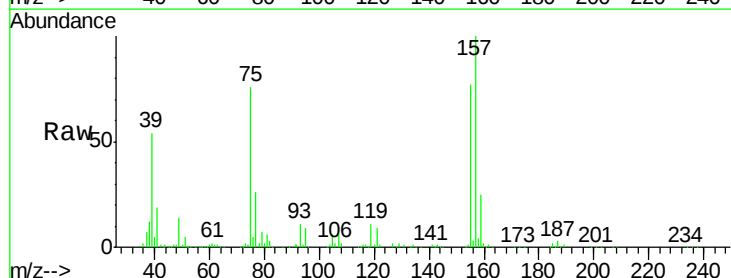
Tgt Ion: 75 Resp: 54532

Ion Ratio Lower Upper

75 100

155 96.3 45.8 137.4

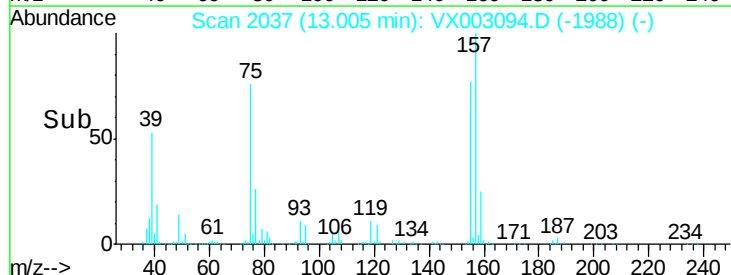
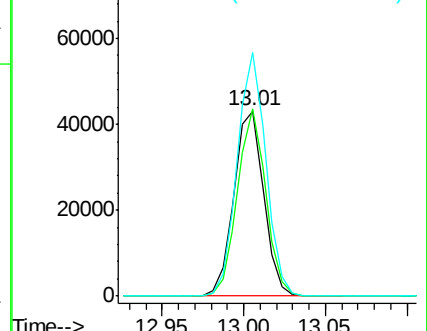
157 126.8 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

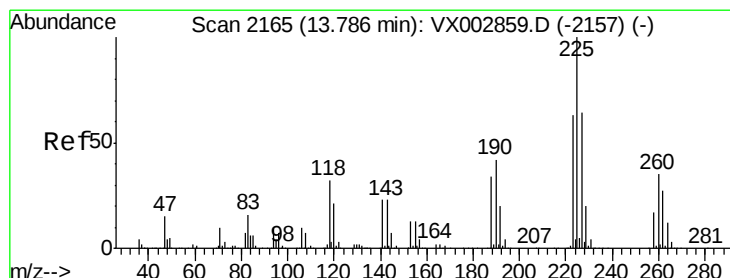
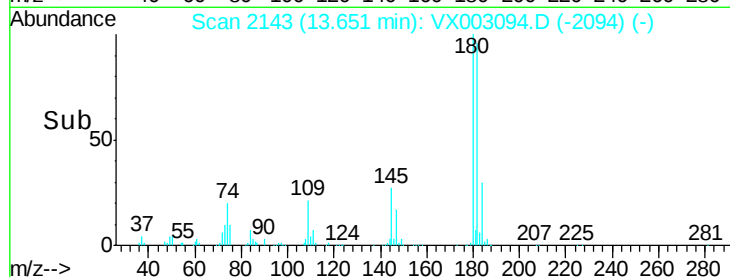
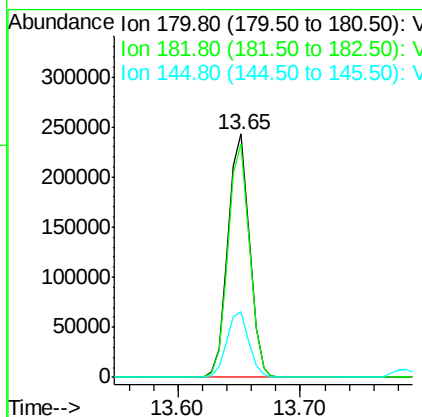
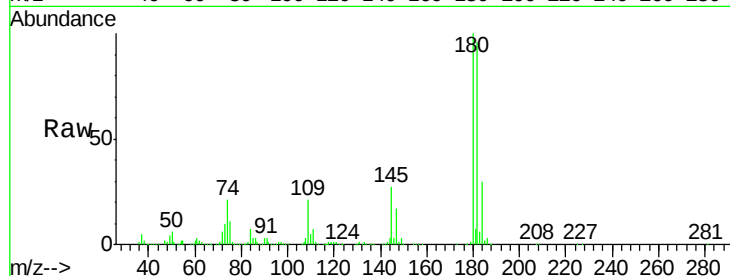




#93
 1,2,4-Trichlorobenzene
 Concen: 49.65 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

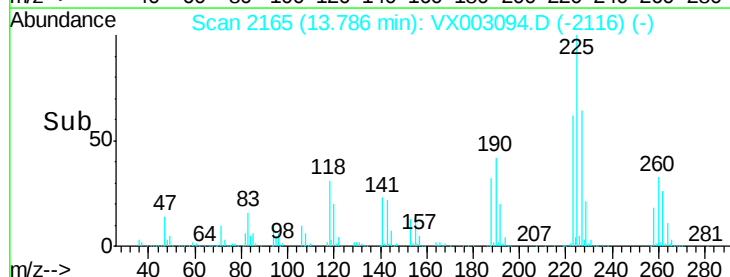
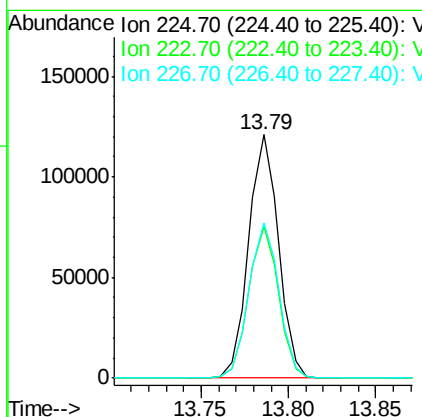
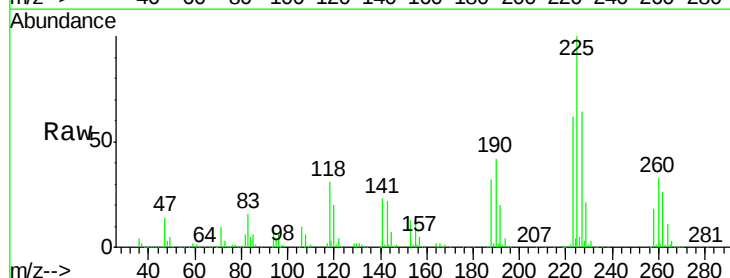
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

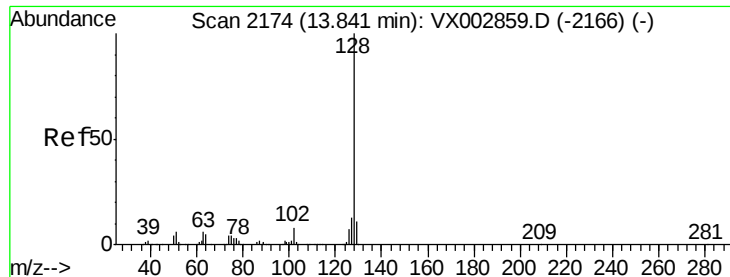
Tot Ion:180 Resp: 293704
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.7 143.1
 145 27.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 48.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003094.D
 Acq: 30 Jun 2018 22:02

Tgt Ion:225 Resp: 143088
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 64.1 32.4 97.2





#95

Naphthalene

Concen: 54.09 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

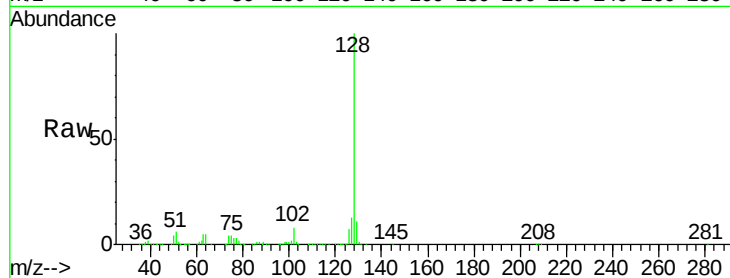
Tot Ion:128 Resp: 852249

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

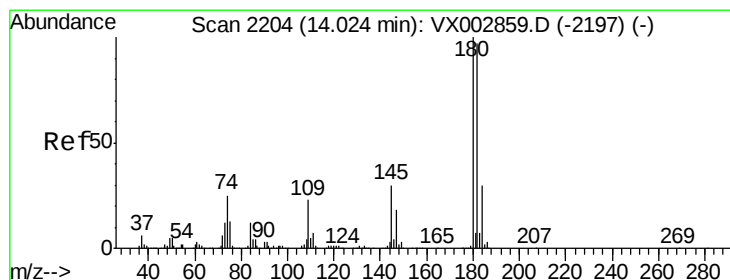
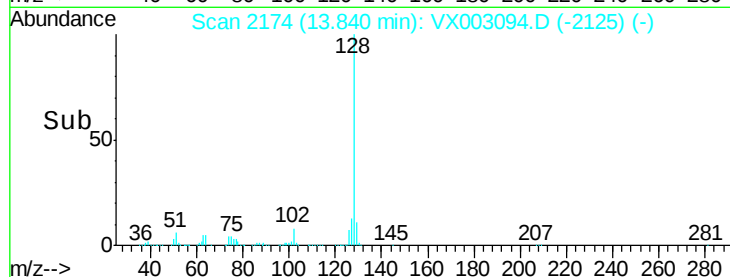
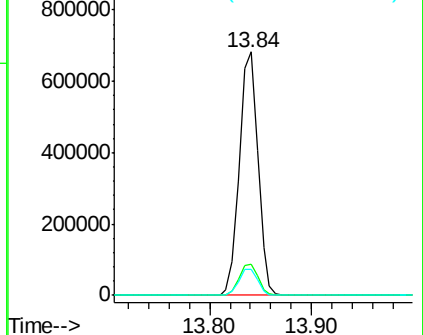
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.08 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003094.D

Acq: 30 Jun 2018 22:02

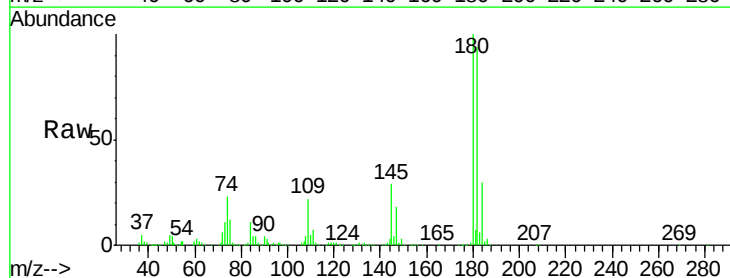
Tgt Ion:180 Resp: 301802

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.0

145 29.1 14.8 44.3



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

