

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003000.D
 Acq On : 28 Jun 2018 21:53
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 29 06:13:37 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	271293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	189770	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	5.51	113	153174	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.72	98	554463	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.14	95	215023	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	152198	62.91	ug/l	100
3) Chloromethane	1.32	50	147871	59.01	ug/l	99
4) Vinyl Chloride	1.41	62	160523	52.32	ug/l	94
5) Bromomethane	1.64	94	81936	57.63	ug/l	98
6) Chloroethane	1.71	64	102609	57.31	ug/l	99
7) Trichlorofluoromethane	1.93	101	255449	49.36	ug/l	99
8) Diethyl Ether	2.19	74	91051	48.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140311	46.79	ug/l	99
10) Methyl Iodide	2.51	142	119569	40.65	ug/l	99
11) Tert butyl alcohol	3.09	59	176032	235.65	ug/l	98
12) 1,1-Dichloroethene	2.37	96	130292	48.70	ug/l	98
13) Acrolein	2.30	56	84600	205.06	ug/l	100
14) Allyl chloride	2.73	41	256537	48.64	ug/l	97
15) Acrylonitrile	3.15	53	397304	249.01	ug/l	99
16) Acetone	2.45	43	364113	234.47	ug/l	96
17) Carbon Disulfide	2.57	76	372569	52.26	ug/l	98
18) Methyl Acetate	2.78	43	188705	43.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	464368	48.28	ug/l	100
20) Methylene Chloride	2.86	84	143917	47.62	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	139913	48.01	ug/l	94
22) Diisopropyl ether	3.88	45	502951	49.89	ug/l	98
23) Vinyl Acetate	3.83	43	2225250	260.67	ug/l	99
24) 1,1-Dichloroethane	3.70	63	272241	49.68	ug/l	99
25) 2-Butanone	4.71	43	593254	257.41	ug/l	99
26) 2,2-Dichloropropane	4.59	77	173211	38.87	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	167461	51.25	ug/l	93
28) Bromochloromethane	5.02	49	131982	50.32	ug/l	94
29) Tetrahydrofuran	5.17	42	382967	259.13	ug/l	98
30) Chloroform	5.22	83	282899	50.31	ug/l	97
31) Cyclohexane	5.57	56	232428	49.43	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	253465	51.23	ug/l	99
36) 1,1-Dichloropropene	5.80	75	205269	49.14	ug/l	99
37) Ethyl Acetate	4.87	43	232493	51.69	ug/l	99
38) Carbon Tetrachloride	5.79	117	228461	49.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220888	45.40	ug/l	97
40) Benzene	6.15	78	609656	50.23	ug/l	99
41) Methacrylonitrile	5.07	41	132133	51.02	ug/l	98
42) 1,2-Dichloroethane	6.20	62	235756	48.08	ug/l	99
43) Isopropyl Acetate	6.47	43	374499	49.65	ug/l	99
44) Trichloroethene	7.22	130	179688	49.65	ug/l	98
45) 1,2-Dichloropropane	7.52	63	159295	49.48	ug/l	99
46) Dibromomethane	7.66	93	109547	49.03	ug/l	97
47) Bromodichloromethane	7.90	83	211382	51.17	ug/l	99
48) Methyl methacrylate	7.78	41	196834	50.64	ug/l	97
49) 1,4-Dioxane	7.76	88	77771	1028.44	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1220681	258.64	ug/l	98
52) Toluene	8.79	92	389195	50.05	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	237160	50.70	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	220691	49.03	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	160018	50.08	ug/l	98
56) Ethyl methacrylate	9.18	69	245223	52.51	ug/l	97
57) 1,3-Dichloropropane	9.38	76	262583	50.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	583836	259.16	ug/l	98
59) 2-Hexanone	9.50	43	933545	260.26	ug/l	97
60) Dibromochloromethane	9.59	129	174493	51.88	ug/l	100
61) 1,2-Dibromoethane	9.68	107	170274	50.81	ug/l	100
64) Tetrachloroethene	9.34	164	197881	48.63	ug/l	99
65) Chlorobenzene	10.14	112	451954	48.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	168923	50.03	ug/l	99
67) Ethyl Benzene	10.26	91	766505	49.92	ug/l	100
68) m/p-Xylenes	10.36	106	593958	100.37	ug/l	99
69) o-Xylene	10.70	106	289033	50.16	ug/l	99
70) Styrene	10.71	104	490071	52.34	ug/l	99
71) Bromoform	10.86	173	138402	45.73	ug/l	99
73) Isopropylbenzene	11.02	105	769644	50.74	ug/l	100
74) N-amyl acetate	6.47	43	374499	50.46	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	241902	51.77	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	269291	65.93	ug/l	80
77) Bromobenzene	11.26	156	220068	50.94	ug/l	97
78) n-propylbenzene	11.37	91	864240	50.05	ug/l	99
79) 2-Chlorotoluene	11.43	91	521285	49.87	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	643473	50.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	58676	42.24	ug/l	98
82) 4-Chlorotoluene	11.51	91	617378	49.89	ug/l	99
83) tert-Butylbenzene	11.77	119	622657	49.45	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	664733	50.22	ug/l	99
85) sec-Butylbenzene	11.95	105	737755	48.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	674639	49.13	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	387276	49.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	393227	48.43	ug/l	99
89) n-Butylbenzene	12.39	91	570965	47.77	ug/l	100
90) Hexachloroethane	12.60	117	95968	46.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	396292	49.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53858	51.27	ug/l	95

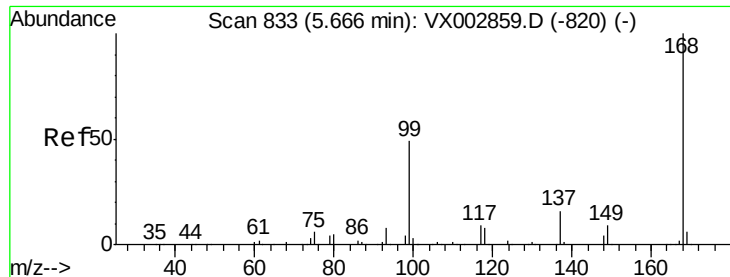
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	279216	48.18	ug/l	100
94) Hexachlorobutadiene	13.79	225	138934	48.07	ug/l	99
95) Naphthalene	13.84	128	833965	54.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	284735	49.19	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

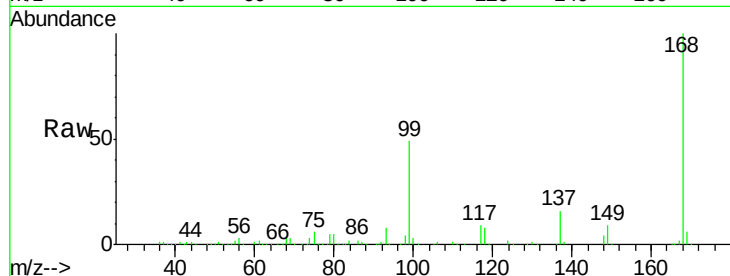
VSTDCCC050EC

Tot Ion:168 Resp: 271293

Ion Ratio Lower Upper

168 100

99 48.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

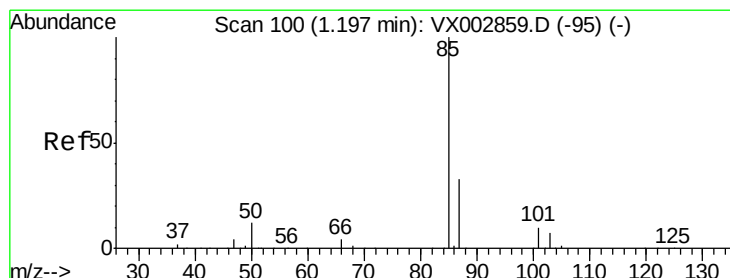
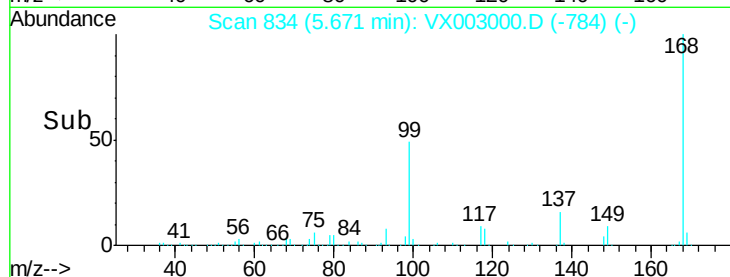
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 62.91 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003000.D

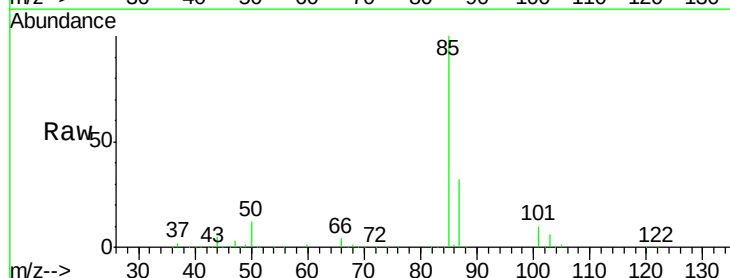
Acq: 28 Jun 2018 21:53

Tgt Ion: 85 Resp: 152198

Ion Ratio Lower Upper

85 100

87 31.7 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

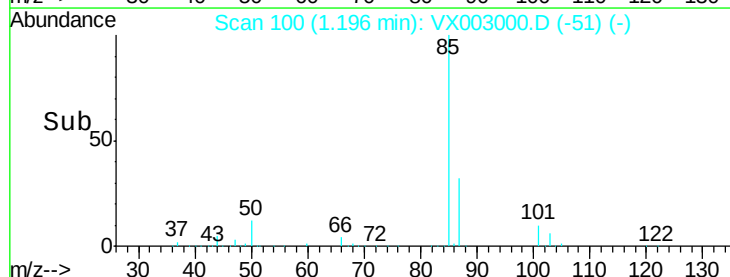
150000

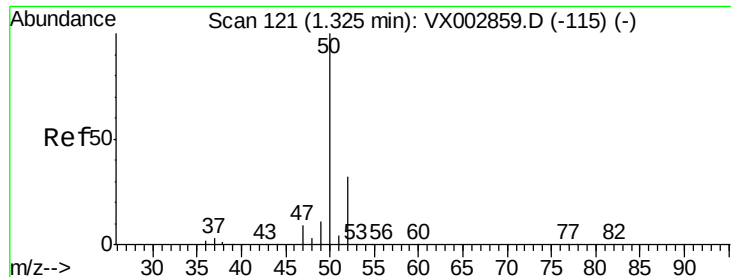
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 59.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

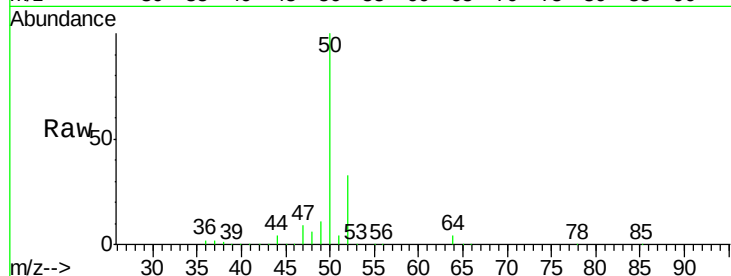
VSTDCCC050EC

Tot Ion: 50 Resp: 147871

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

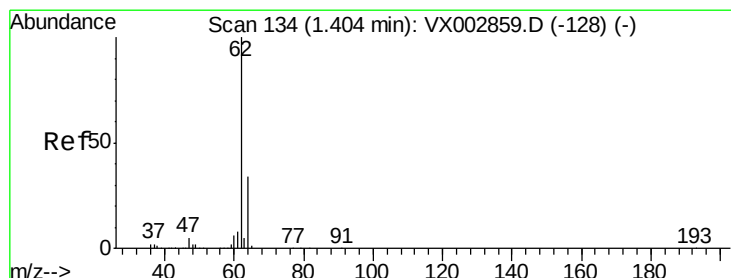
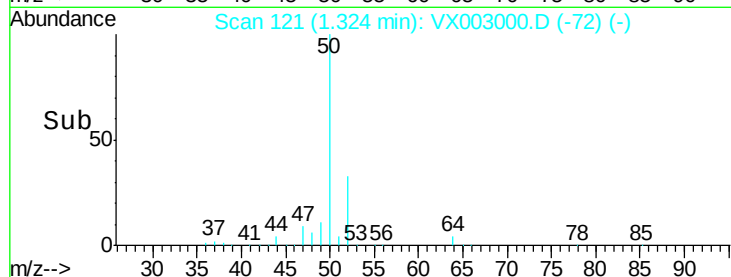
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 52.32 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003000.D

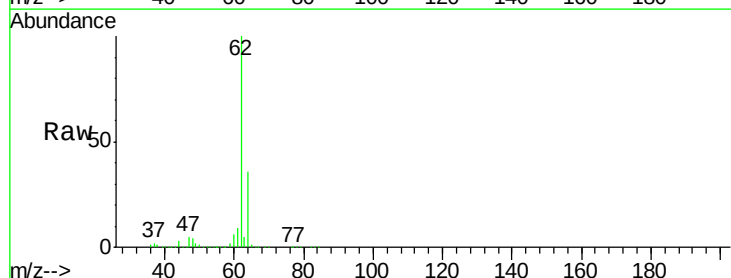
Acq: 28 Jun 2018 21:53

Tgt Ion: 62 Resp: 160523

Ion Ratio Lower Upper

62 100

64 35.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

150000

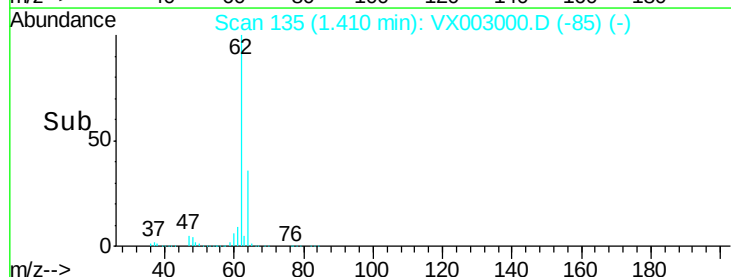
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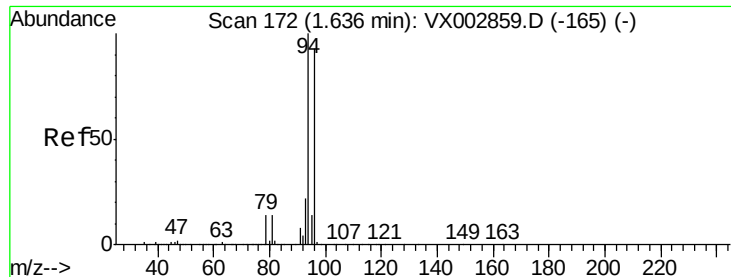
50000

0

1.30 1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 57.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

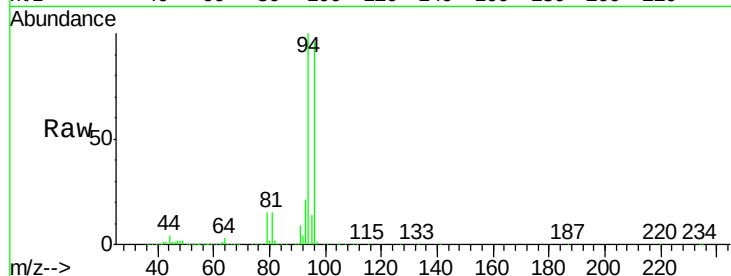
VSTDCCC050EC

Tot Ion: 94 Resp: 81936

Ion Ratio Lower Upper

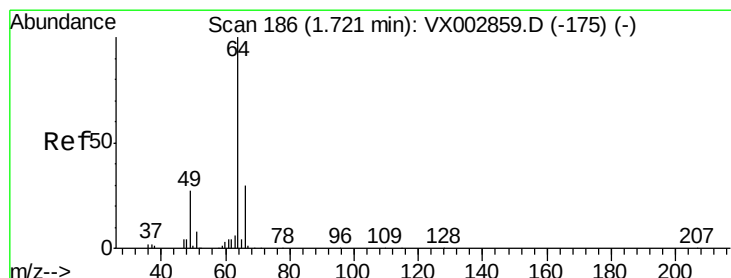
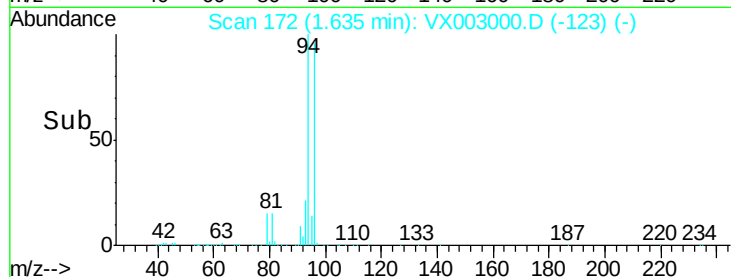
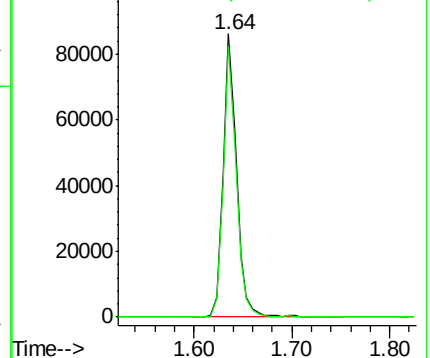
94 100

96 95.5 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: 57.31 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003000.D

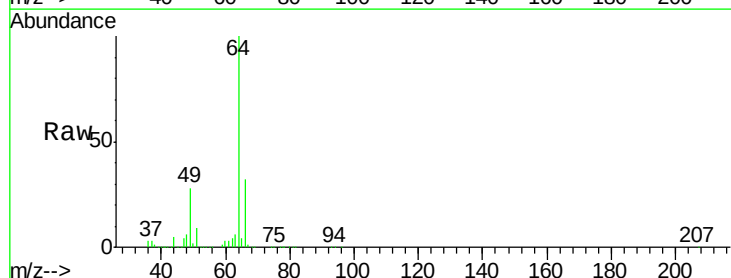
Acq: 28 Jun 2018 21:53

Tgt Ion: 64 Resp: 102609

Ion Ratio Lower Upper

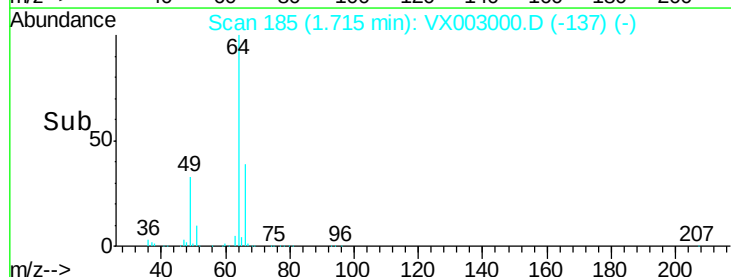
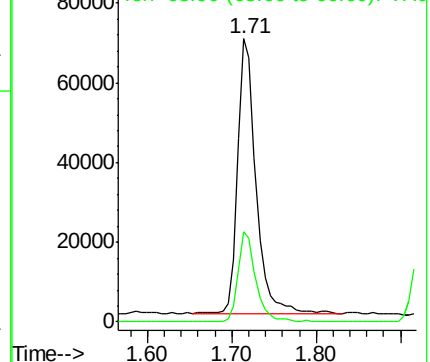
64 100

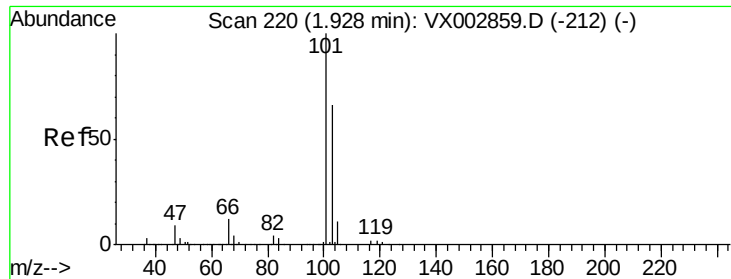
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



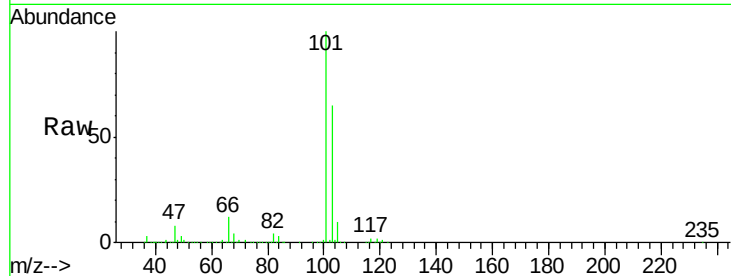


#7

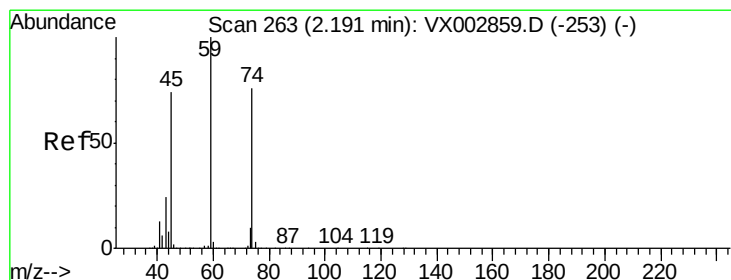
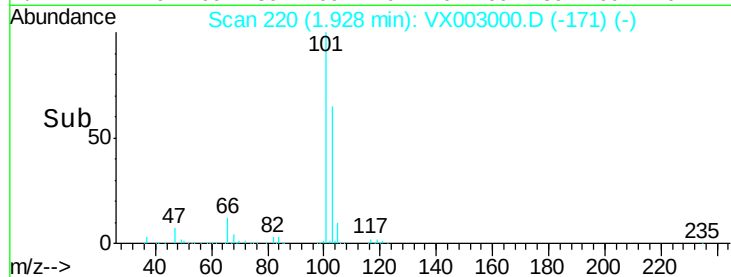
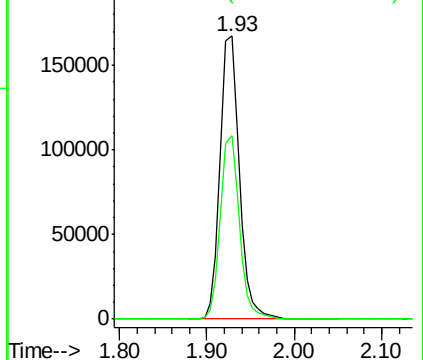
Trichlorofluoromethane
 Concen: 49.36 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 255449
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.8 79.2



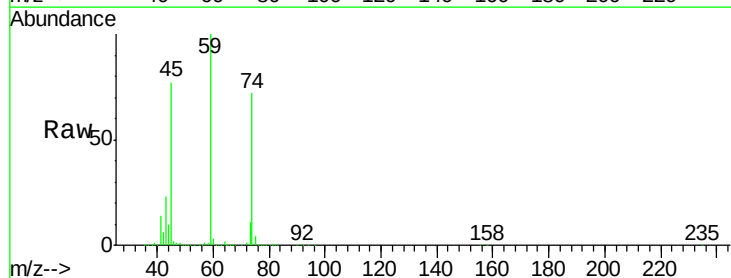
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



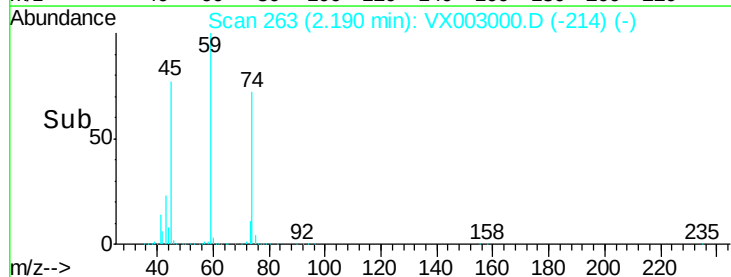
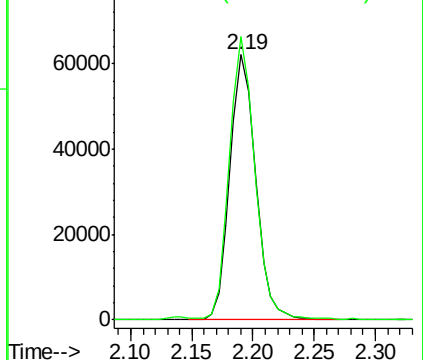
#8

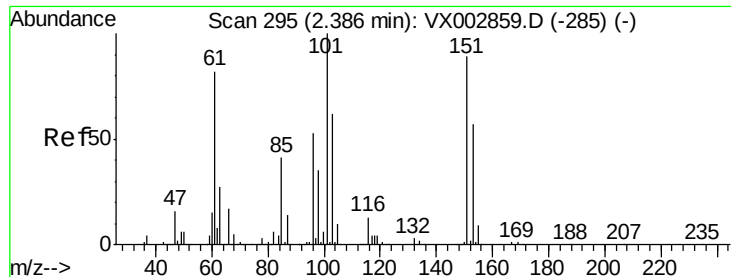
Diethyl Ether
 Concen: 48.39 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion: 74 Resp: 91051
 Ion Ratio Lower Upper
 74 100
 45 104.5 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.79 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

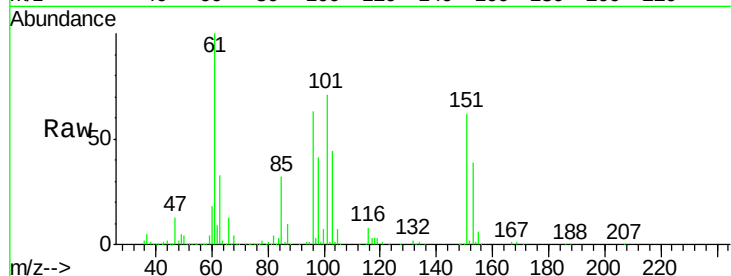
Tot Ion:101 Resp: 140311

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

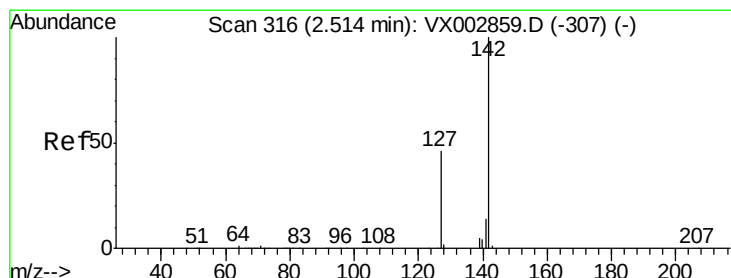
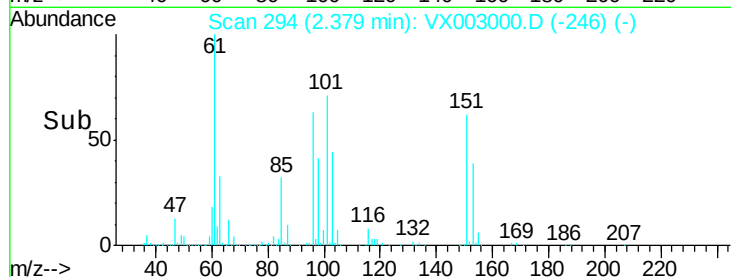
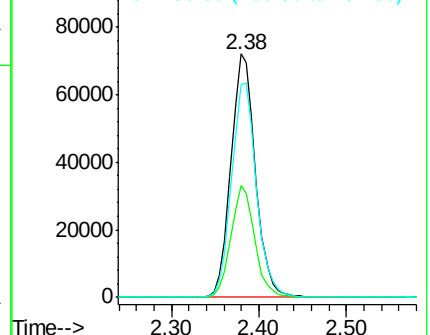
151 89.8 70.9 106.3



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: 40.65 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

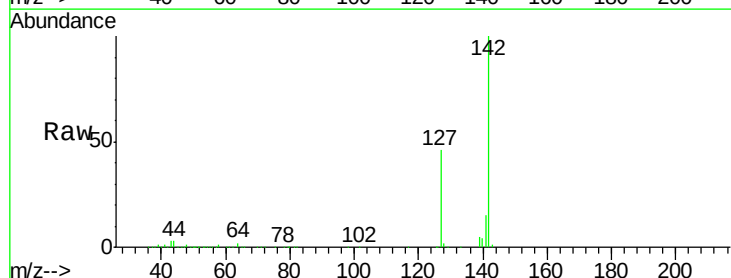
Tgt Ion:142 Resp: 119569

Ion Ratio Lower Upper

142 100

127 45.3 36.6 55.0

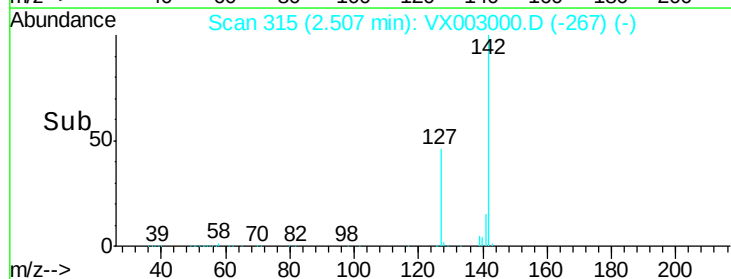
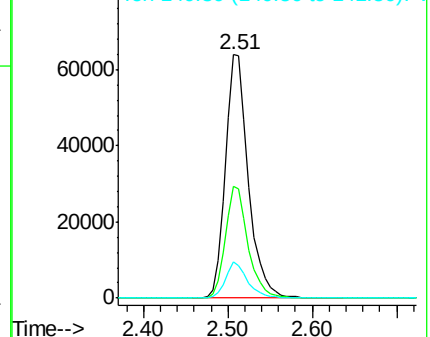
141 14.2 11.3 16.9

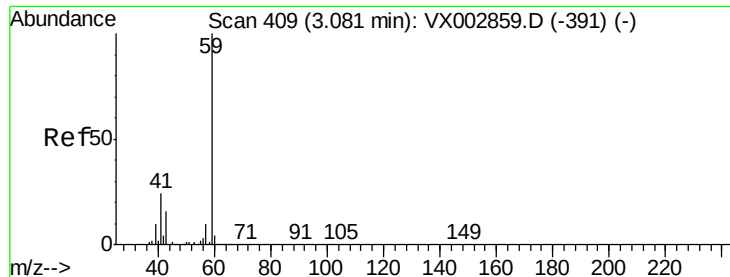


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

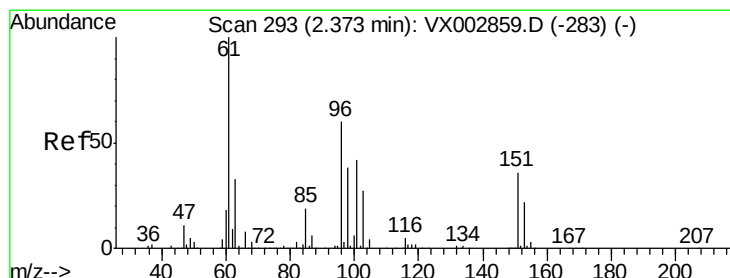
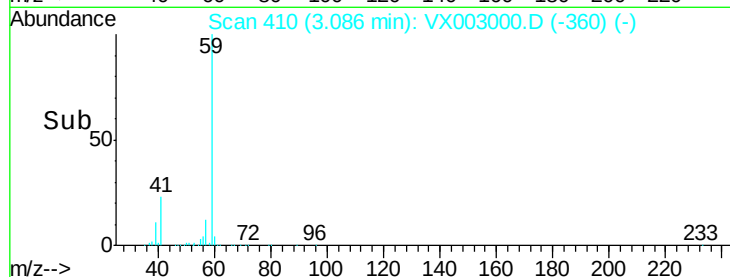
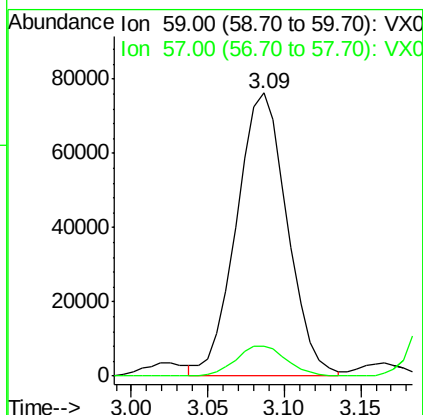
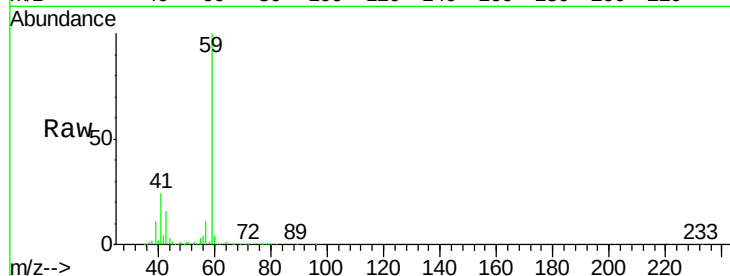




#11
Tert butyl alcohol
Concen: 235.65 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

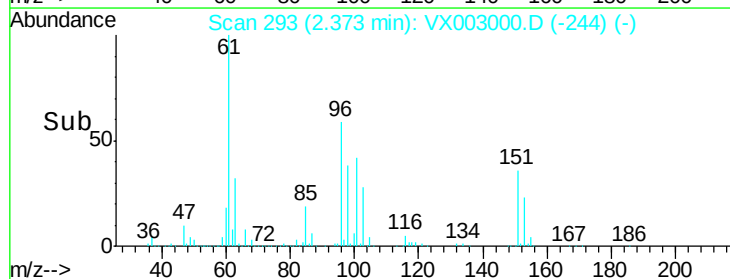
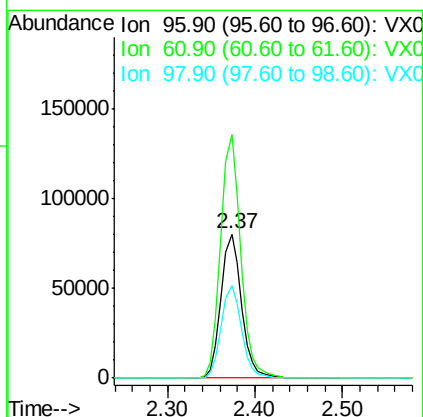
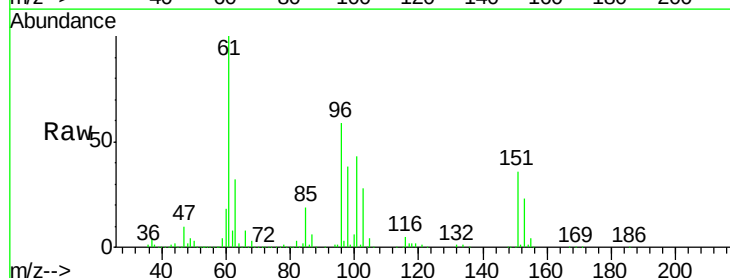
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

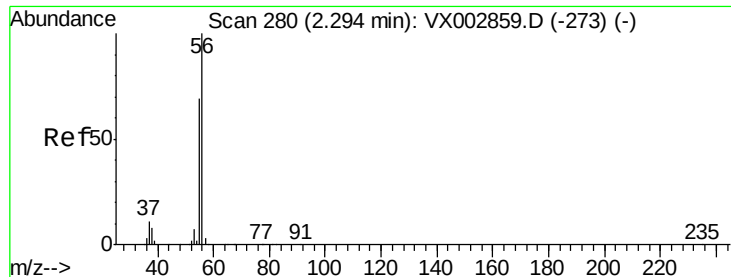
Tot Ion: 59 Resp: 176032
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.70 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 96 Resp: 130292
Ion Ratio Lower Upper
96 100
61 168.9 137.9 206.9
98 64.2 51.6 77.4





#13

Acrolein

Concen: 205.06 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

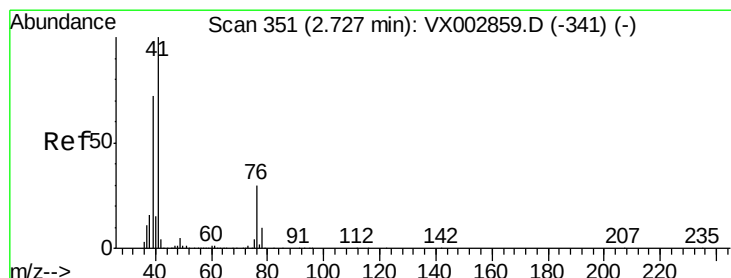
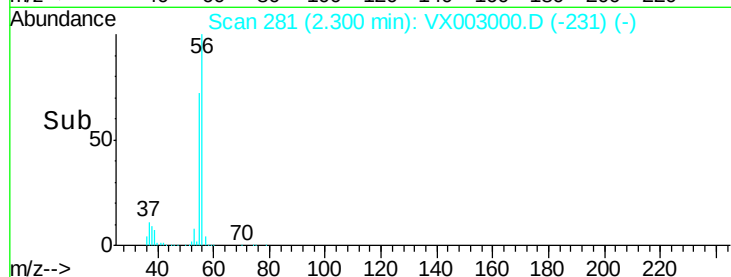
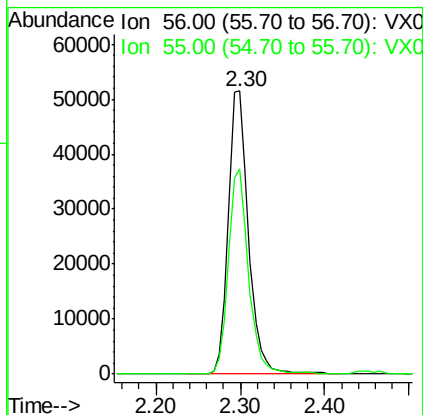
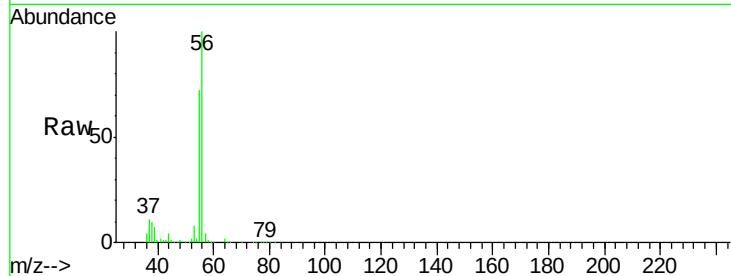
VSTDCCC050EC

Tot Ion: 56 Resp: 84600

Ion Ratio Lower Upper

56 100

55 71.1 57.0 85.4



#14

Allyl chloride

Concen: 48.64 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

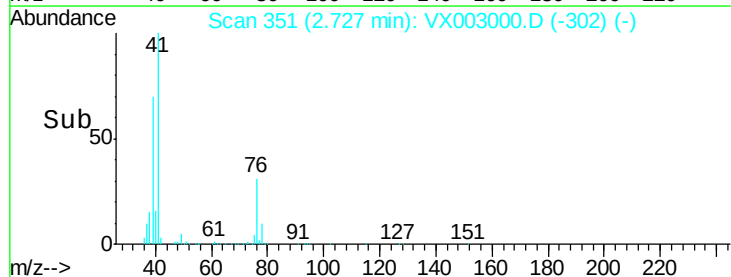
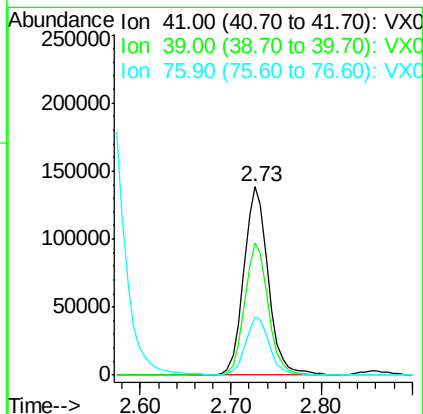
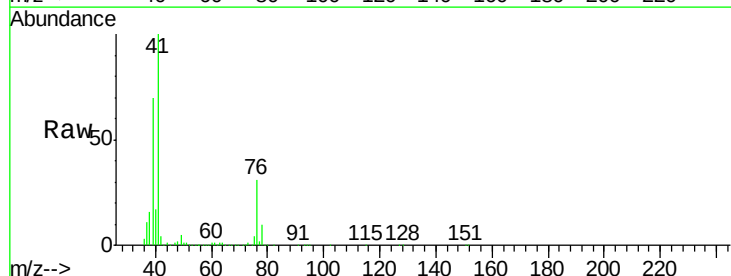
Tgt Ion: 41 Resp: 256537

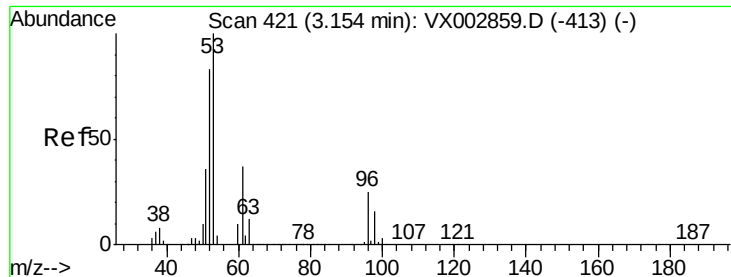
Ion Ratio Lower Upper

41 100

39 67.8 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 249.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

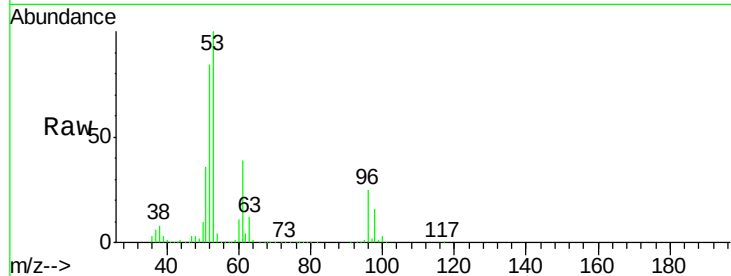
Tot Ion: 53 Resp: 397304

Ion Ratio Lower Upper

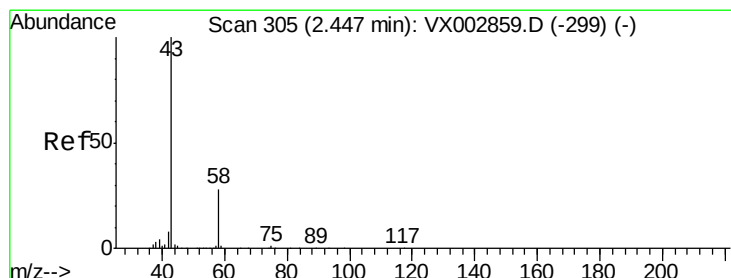
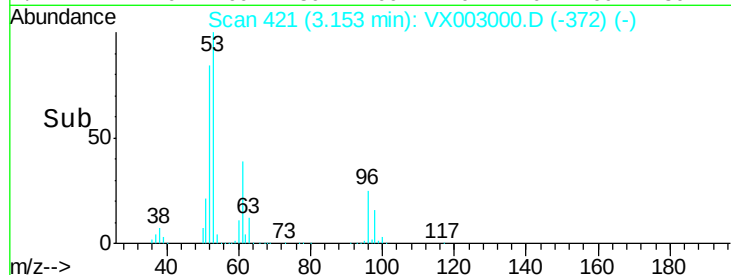
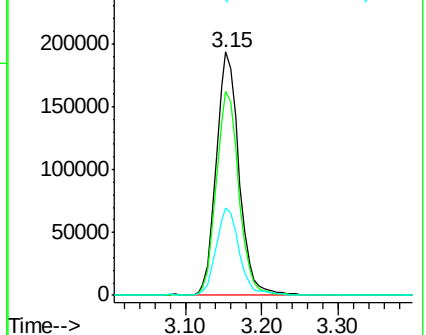
53 100

52 83.0 66.7 100.1

51 36.8 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: 234.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003000.D

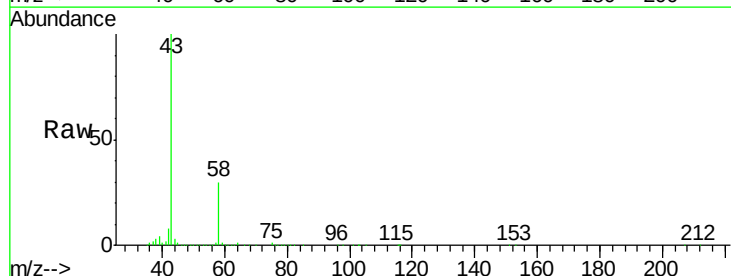
Acq: 28 Jun 2018 21:53

Tgt Ion: 43 Resp: 364113

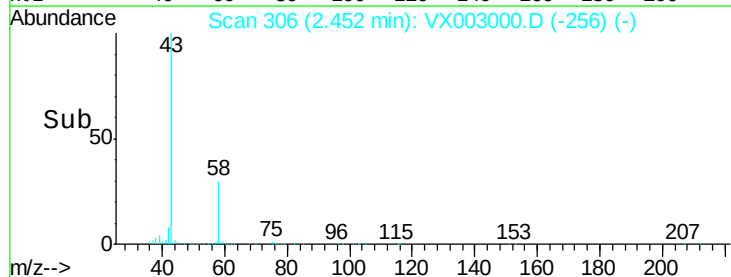
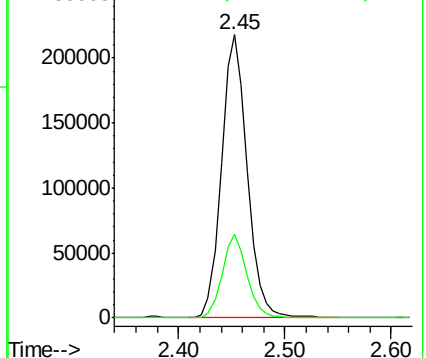
Ion Ratio Lower Upper

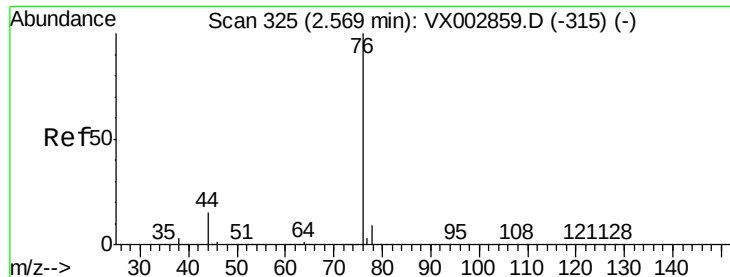
43 100

58 29.6 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: 52.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

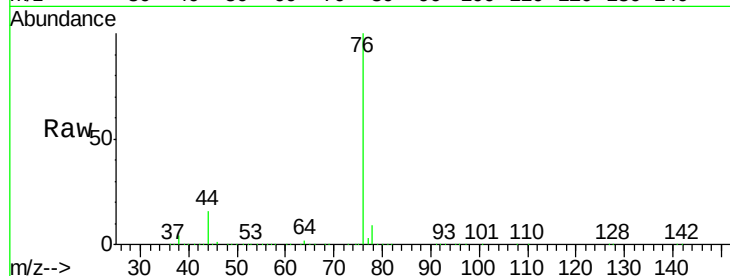
VSTDCCC050EC

Tot Ion: 76 Resp: 372569

Ion Ratio Lower Upper

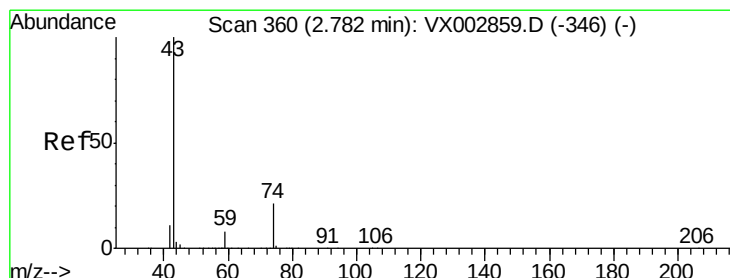
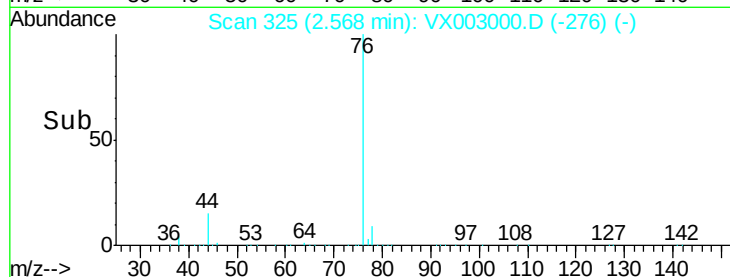
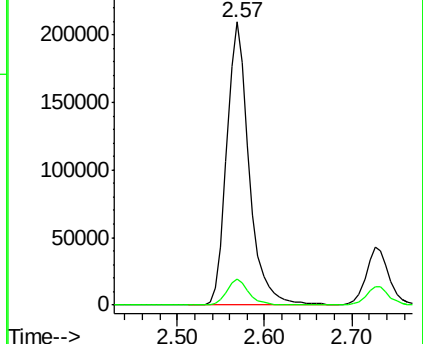
76 100

78 9.3 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 43.46 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003000.D

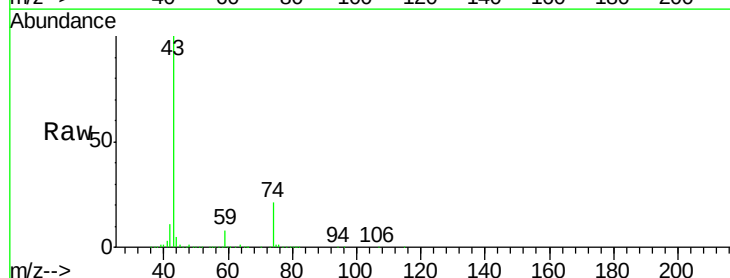
Acq: 28 Jun 2018 21:53

Tgt Ion: 43 Resp: 188705

Ion Ratio Lower Upper

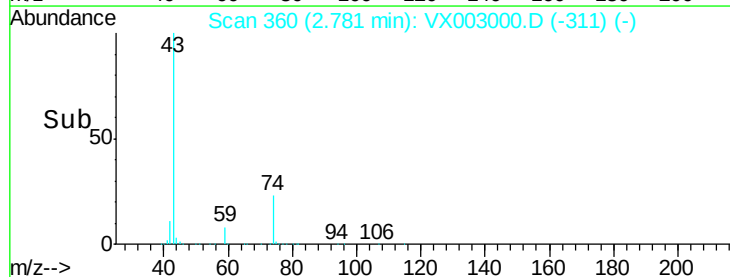
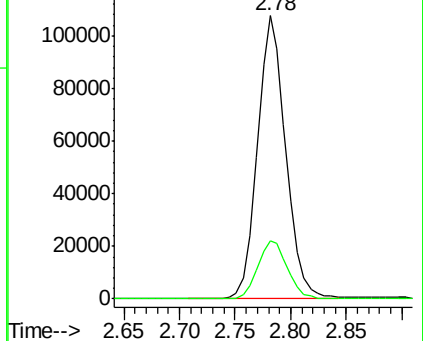
43 100

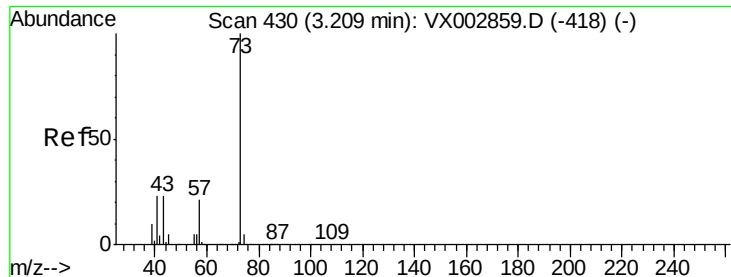
74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

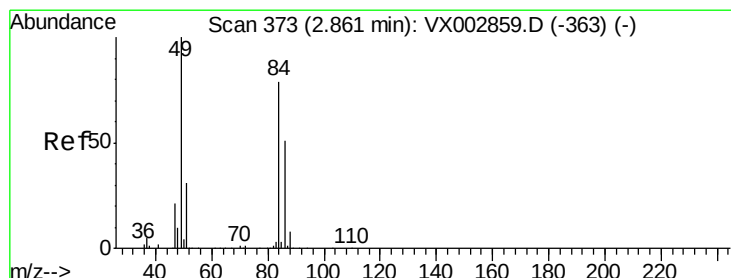
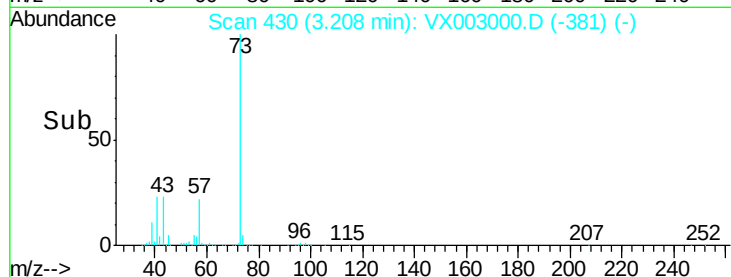
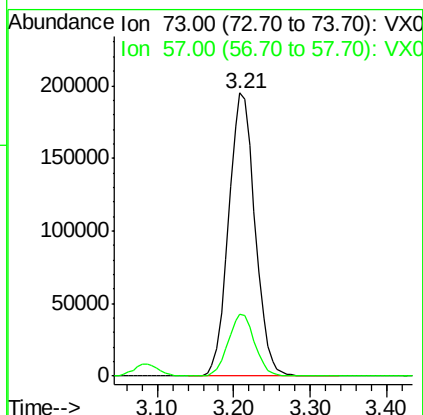
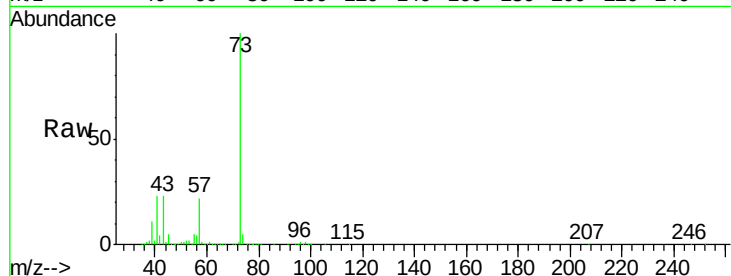




#19
Methyl tert-butyl Ether
Concen: 48.28 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

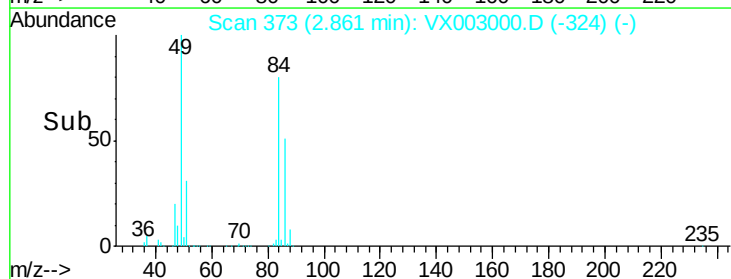
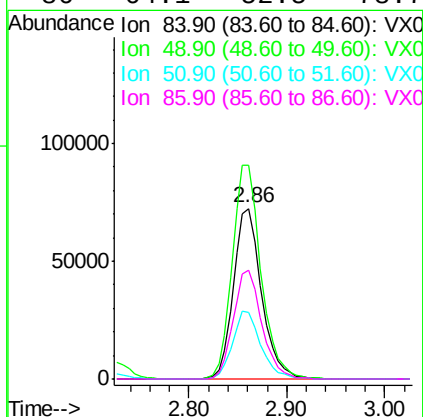
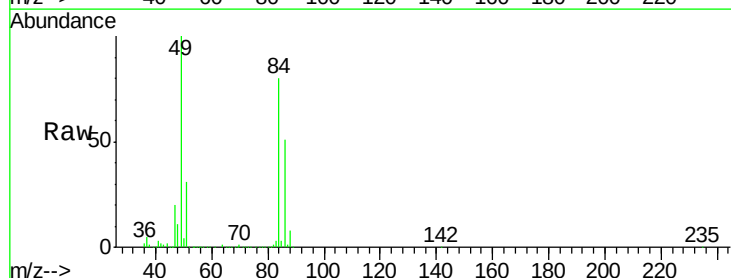
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

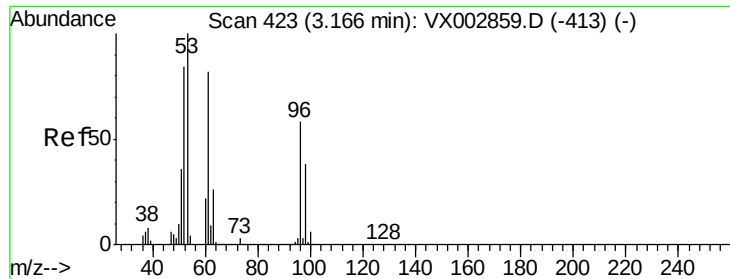
Tot Ion: 73 Resp: 464368
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5



#20
Methylene Chloride
Concen: 47.62 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 84 Resp: 143917
Ion Ratio Lower Upper
84 100
49 125.4 107.8 161.6
51 39.3 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.01 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

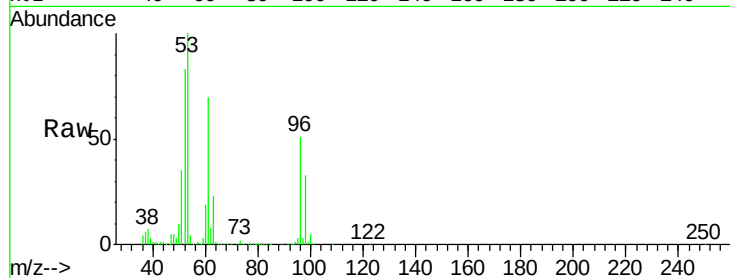
Tot Ion: 96 Resp: 139913

Ion Ratio Lower Upper

96 100

61 137.4 117.0 175.4

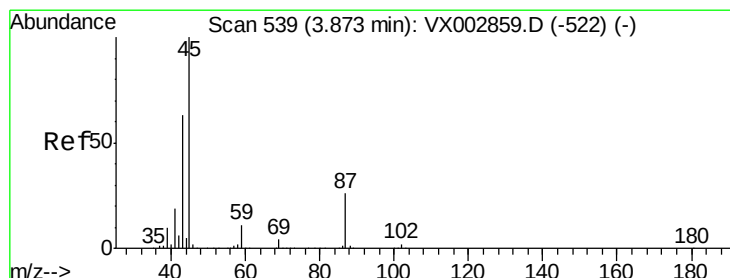
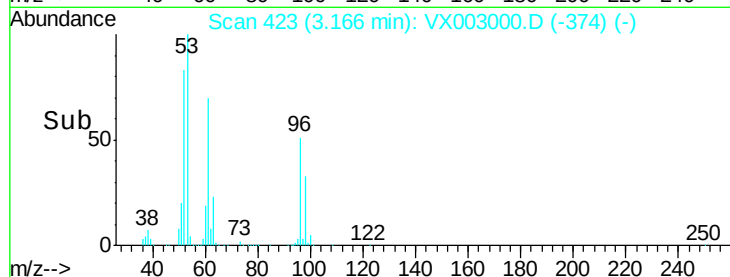
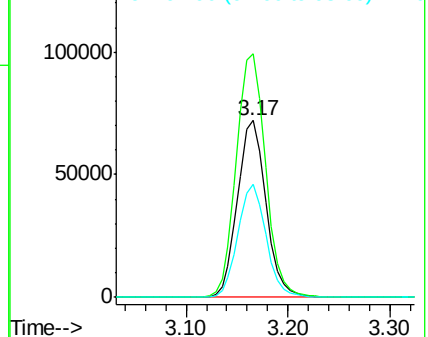
98 63.8 52.4 78.6



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: 49.89 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion: 45 Resp: 502951

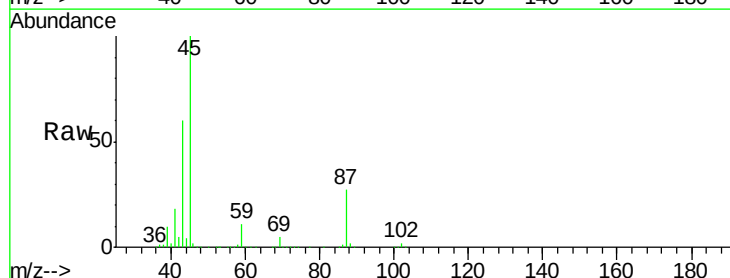
Ion Ratio Lower Upper

45 100

43 59.8 46.8 70.2

87 26.8 20.2 30.4

59 11.1 8.7 13.1

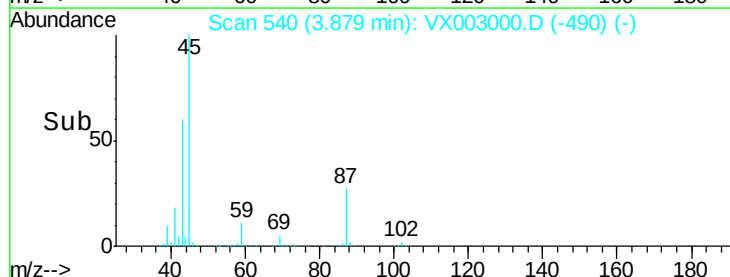
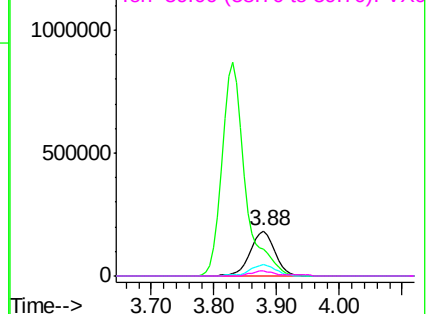


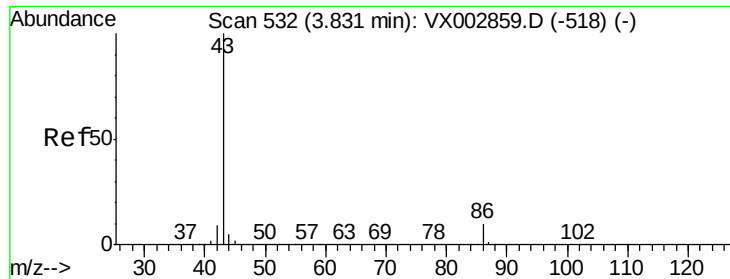
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 260.67 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

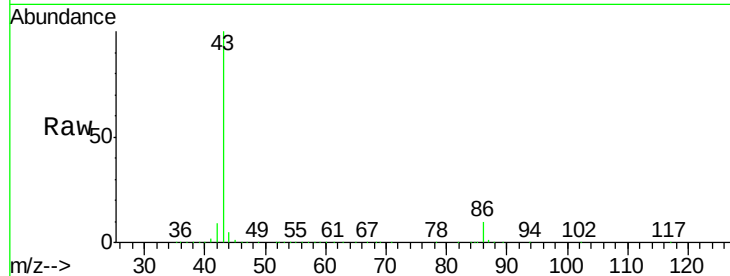
VSTDCCC050EC

Tot Ion: 43 Resp: 2225250

Ion Ratio Lower Upper

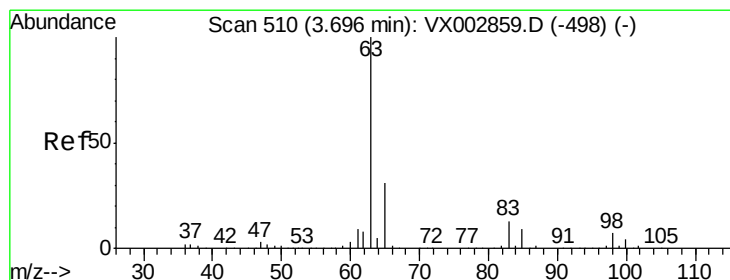
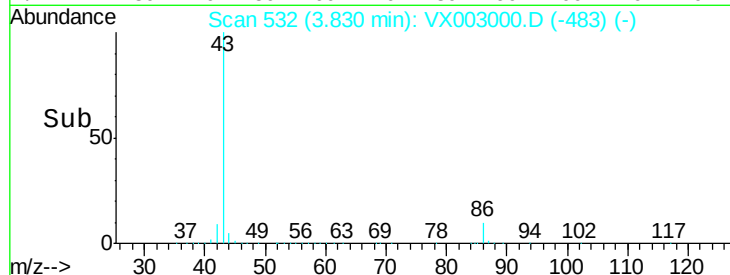
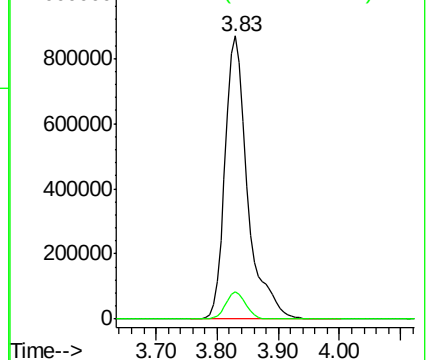
43 100

86 9.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.68 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

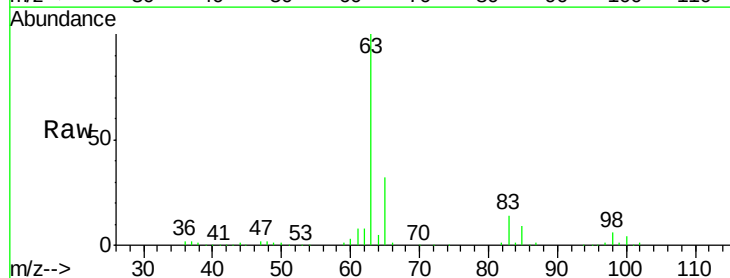
Tgt Ion: 63 Resp: 272241

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

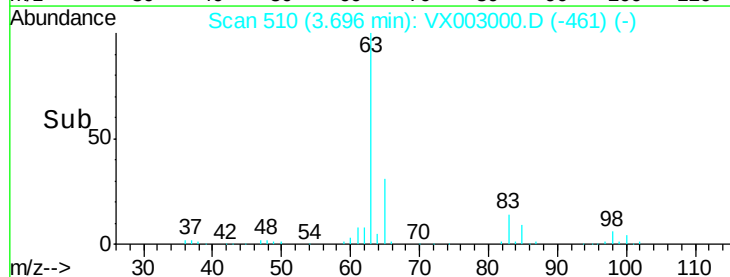
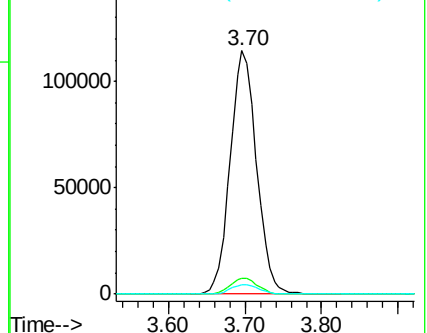
100 4.1 2.0 6.0

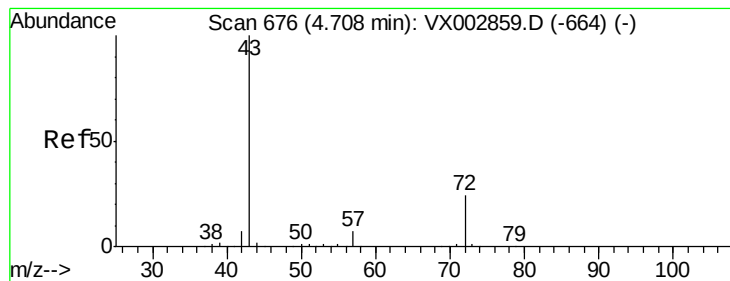


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 257.41 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

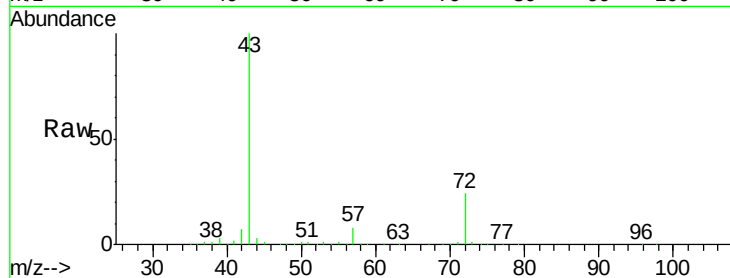
VSTDCCC050EC

Tot Ion: 43 Resp: 593254

Ion Ratio Lower Upper

43 100

72 23.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

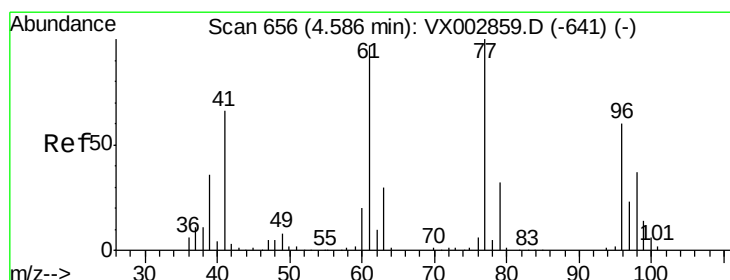
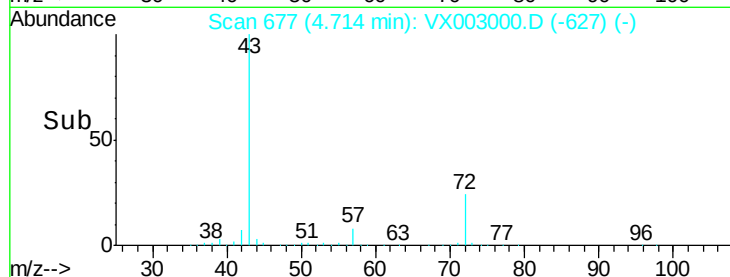
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.87 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003000.D

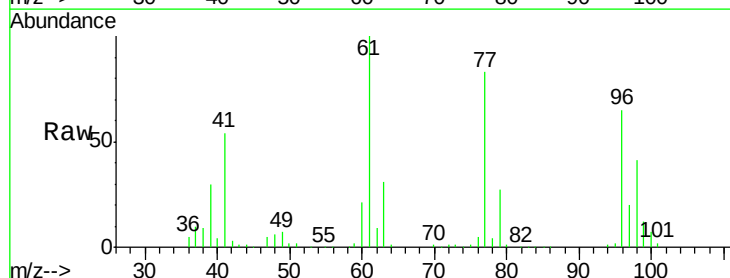
Acq: 28 Jun 2018 21:53

Tgt Ion: 77 Resp: 173211

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

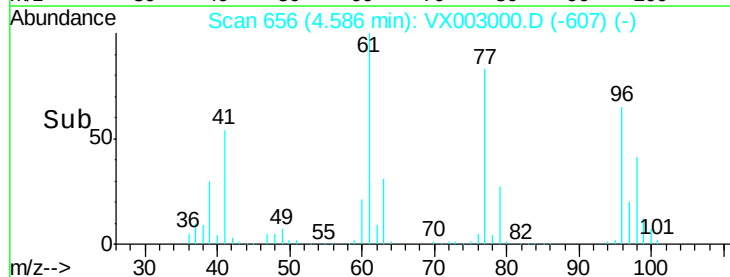
20000

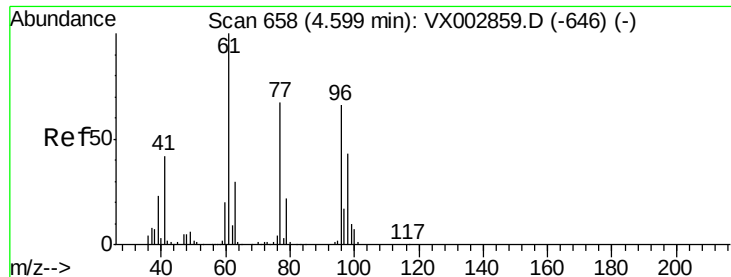
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.25 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

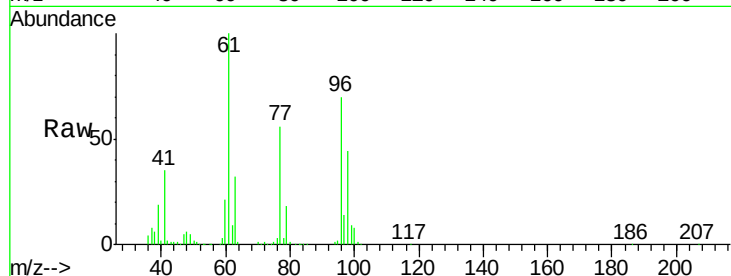
Tot Ion: 96 Resp: 167461

Ion Ratio Lower Upper

96 100

61 152.8 0.0 330.2

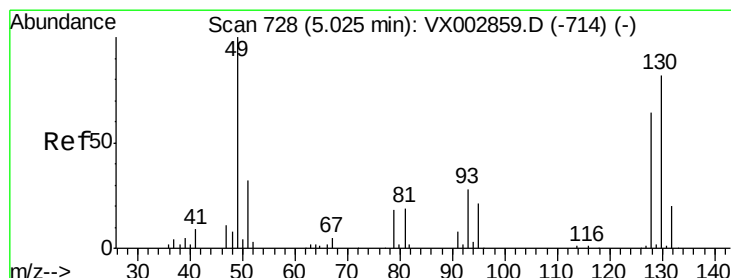
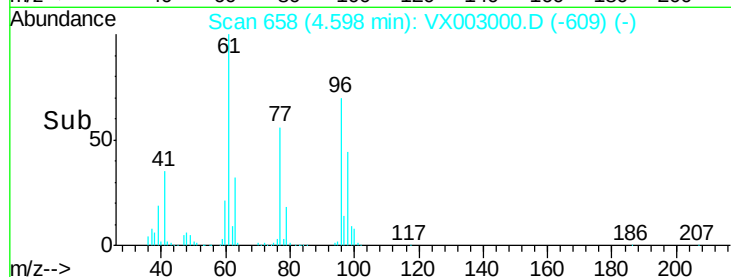
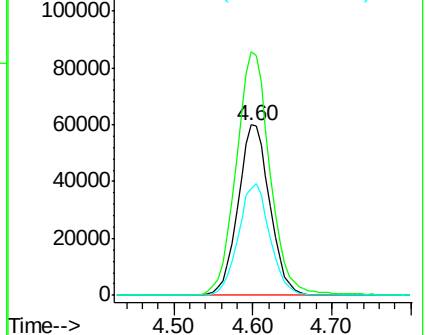
98 65.1 0.0 130.2



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: 50.32 ug/l

RT: 5.02 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

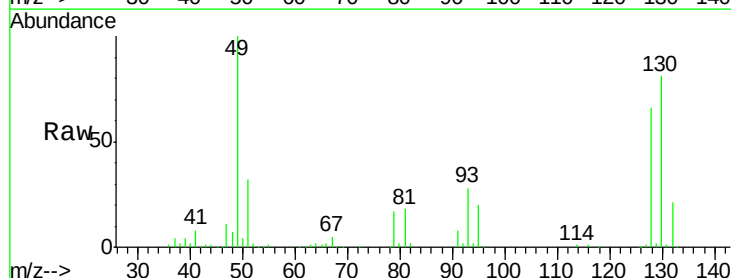
Tgt Ion: 49 Resp: 131982

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

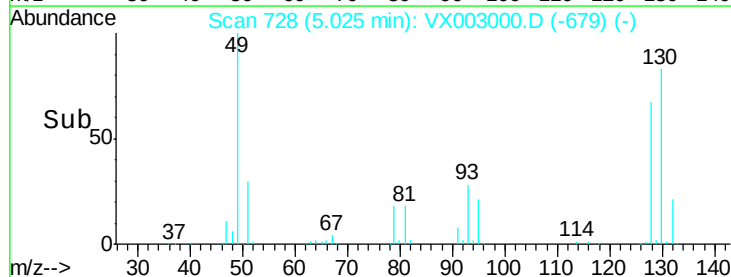
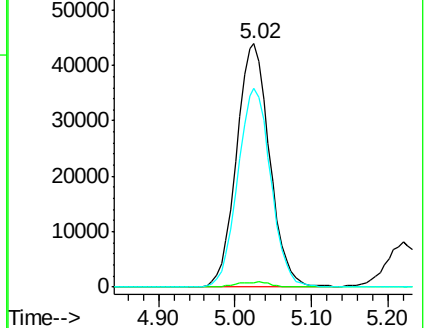
130 81.8 61.2 91.8

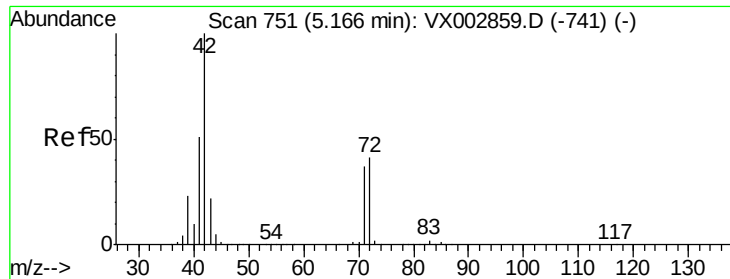


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

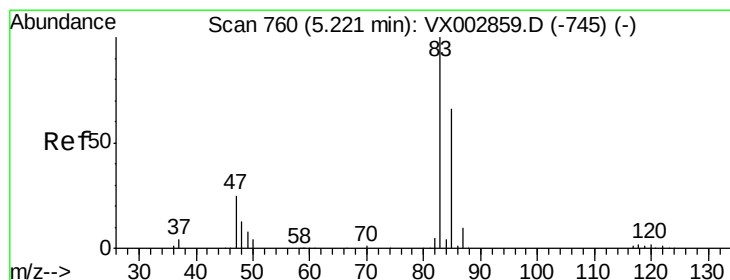
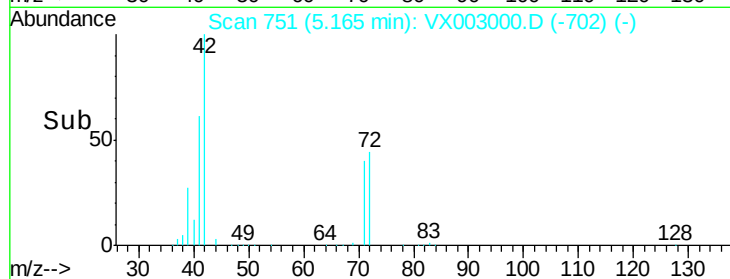
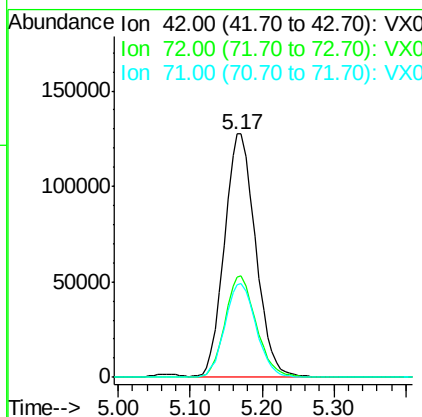
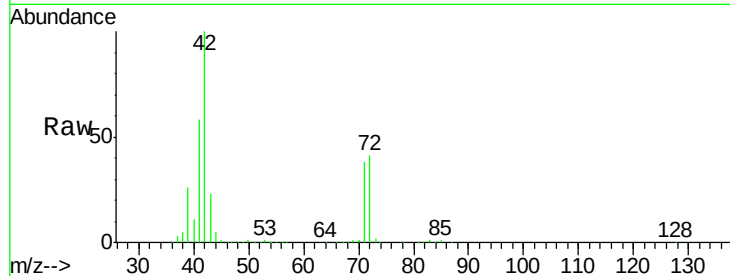




#29
Tetrahydrofuran
Concen: 259.13 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

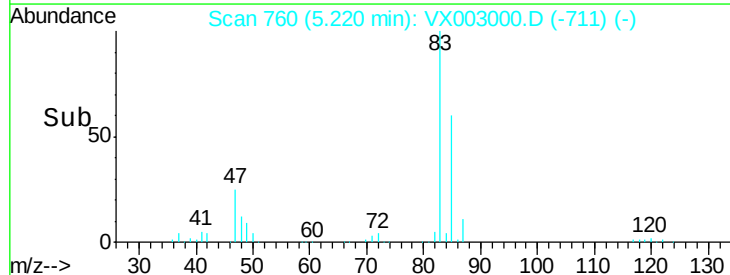
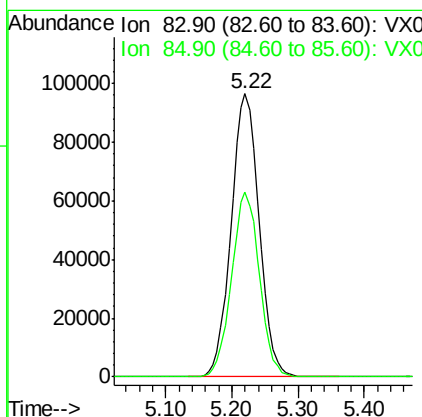
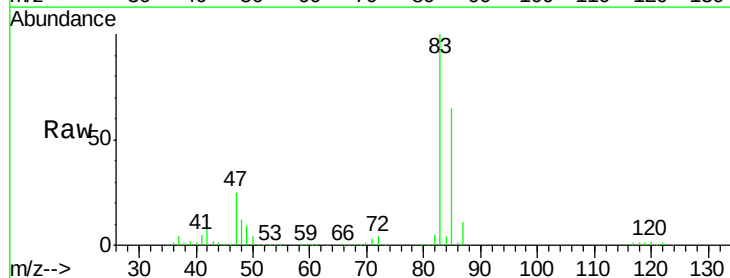
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

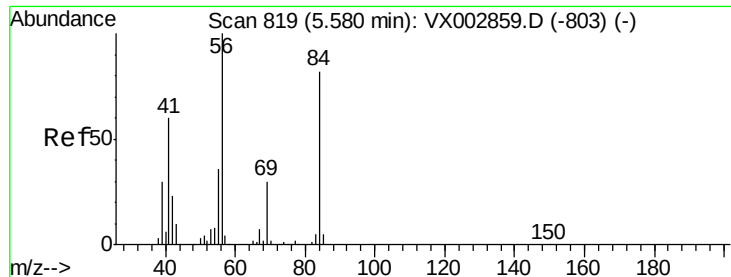
Tot Ion: 42 Resp: 382967
Ion Ratio Lower Upper
42 100
72 41.7 32.0 48.0
71 38.7 30.1 45.1



#30
Chloroform
Concen: 50.31 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 83 Resp: 282899
Ion Ratio Lower Upper
83 100
85 65.5 50.4 75.6





#31

Cyclohexane

Concen: 49.43 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

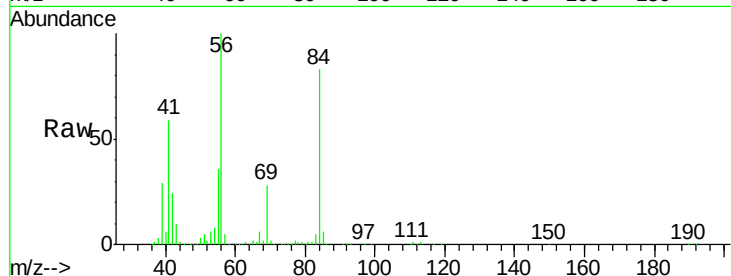
Tot Ion: 56 Resp: 232428

Ion Ratio Lower Upper

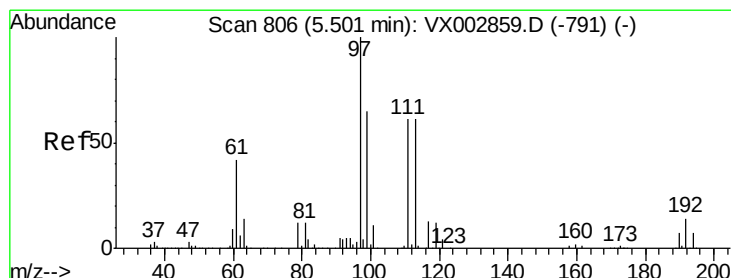
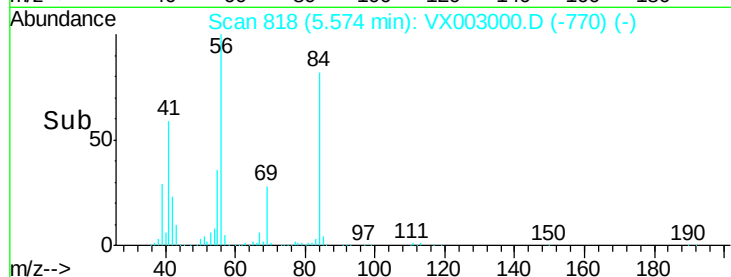
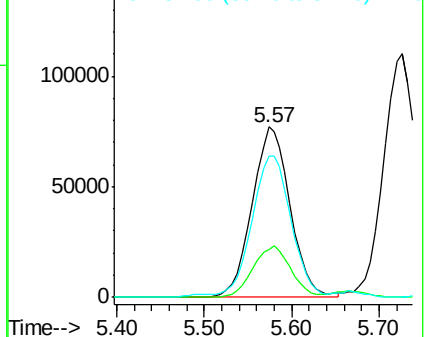
56 100

69 28.0 23.7 35.5

84 81.3 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: 51.23 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

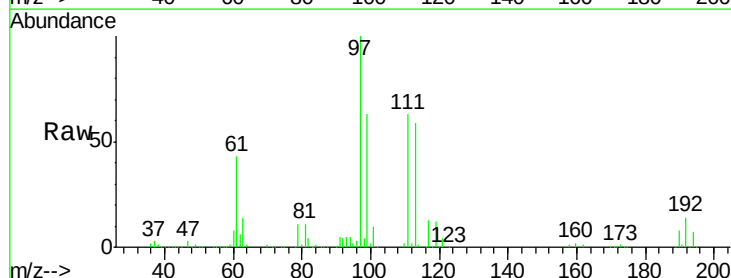
Tgt Ion: 97 Resp: 253465

Ion Ratio Lower Upper

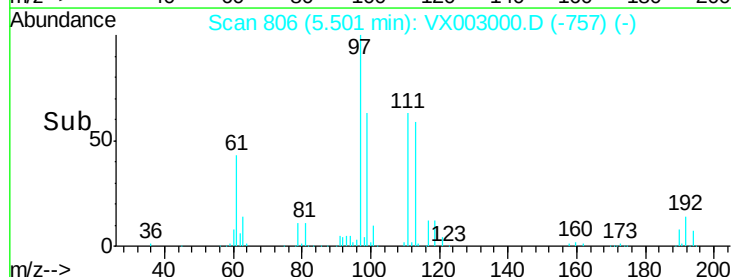
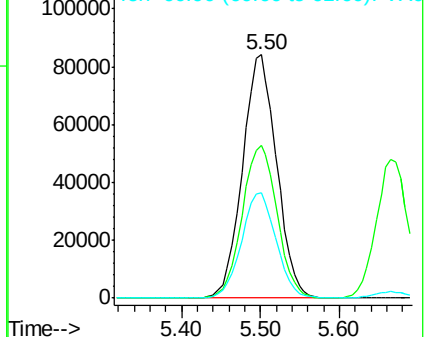
97 100

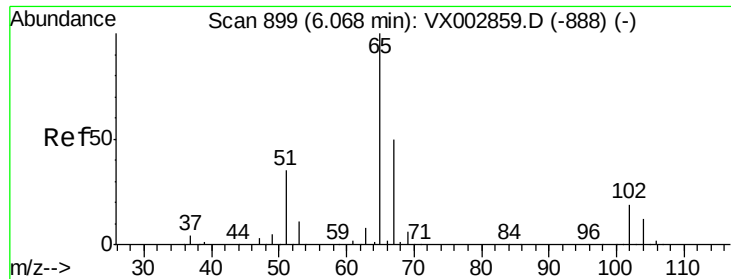
99 64.1 51.6 77.4

61 44.0 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

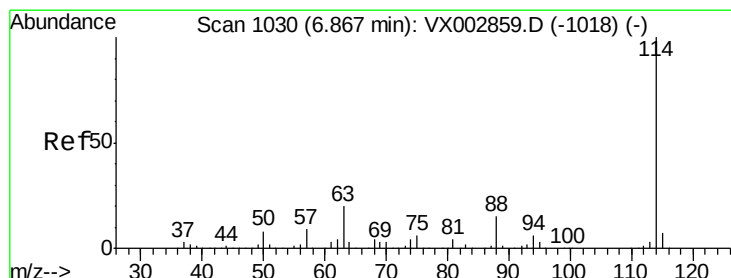
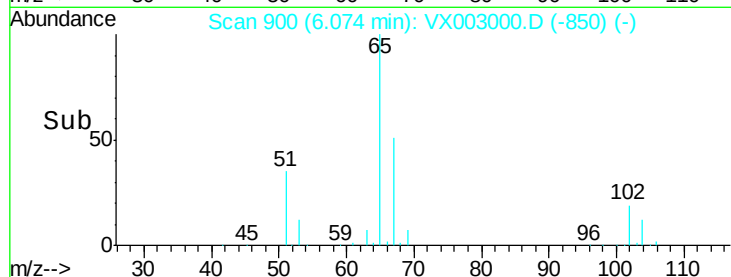
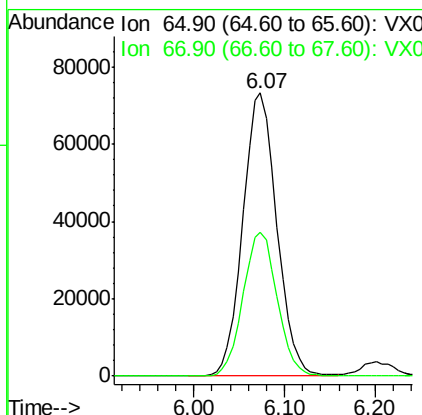
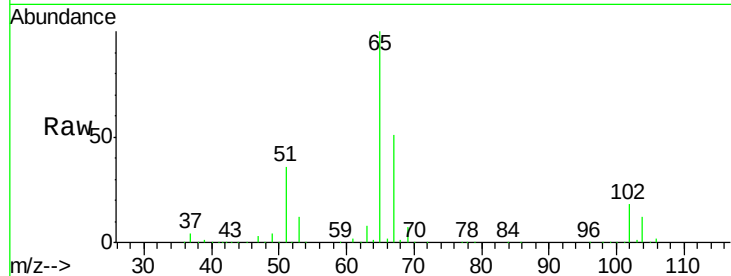




#33
 1,2-Dichloroethane-d4
 Concen: 50.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

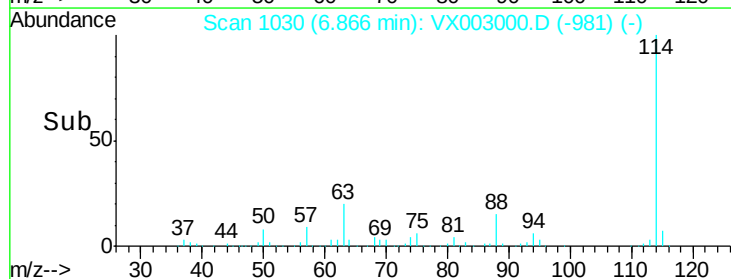
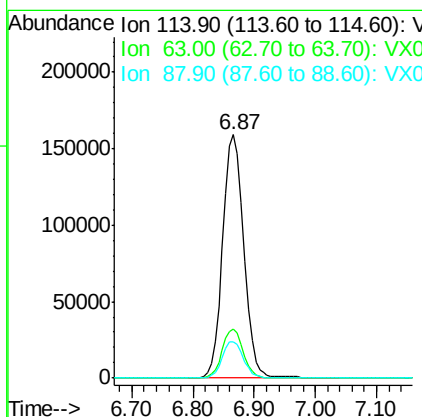
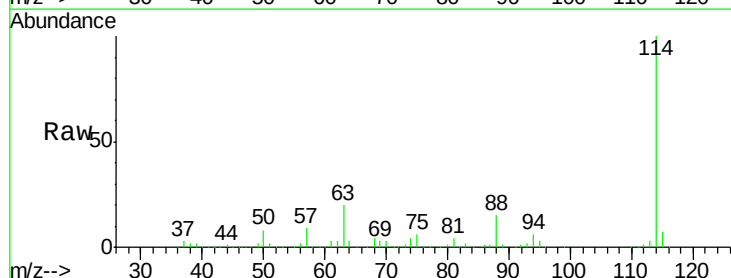
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

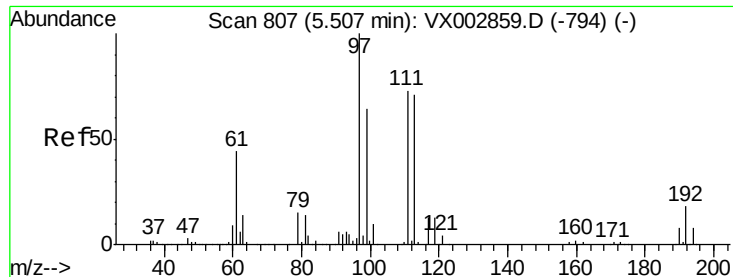
Tot Ion: 65 Resp: 189770
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion: 114 Resp: 380931
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.9 0.0 30.0

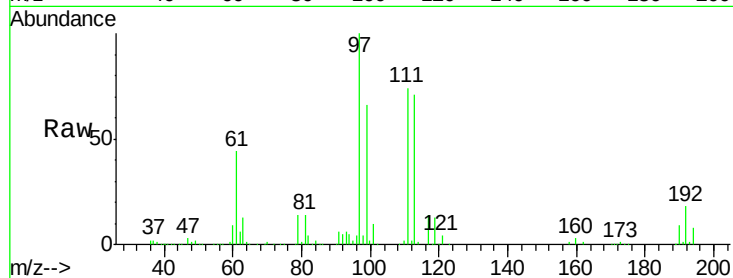




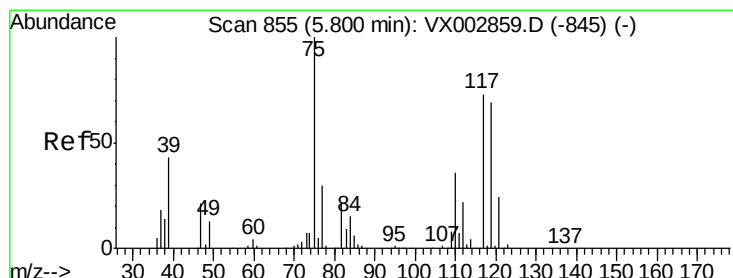
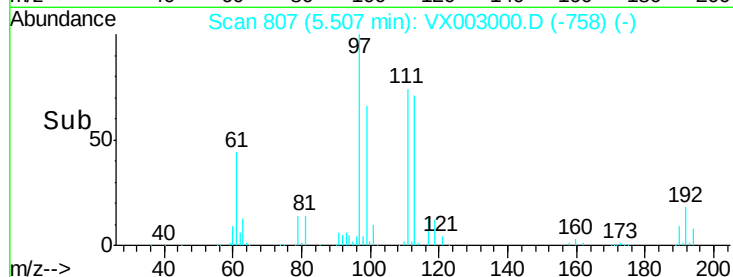
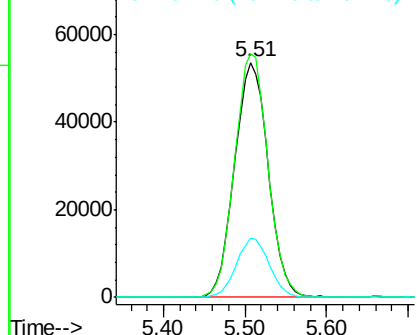
#35
 Dibromofluoromethane
 Concen: 50.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 153174
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 24.8 19.1 28.7

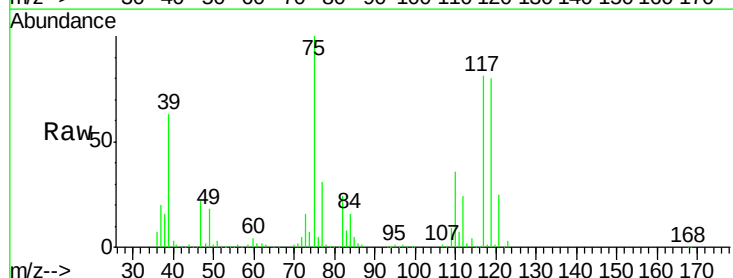


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

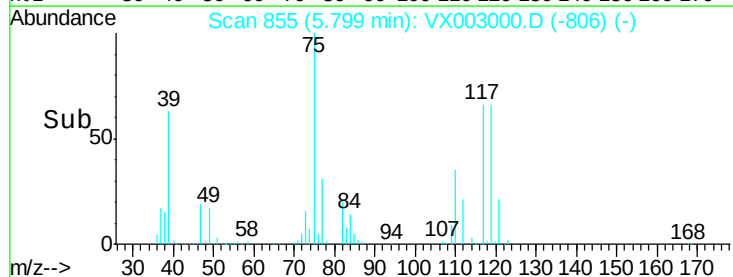
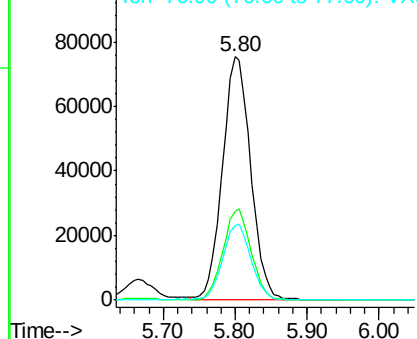


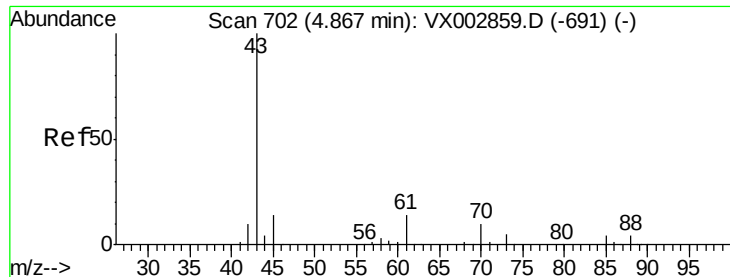
#36
 1,1-Dichloropropene
 Concen: 49.14 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion: 75 Resp: 205269
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.1 54.4
 77 31.0 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

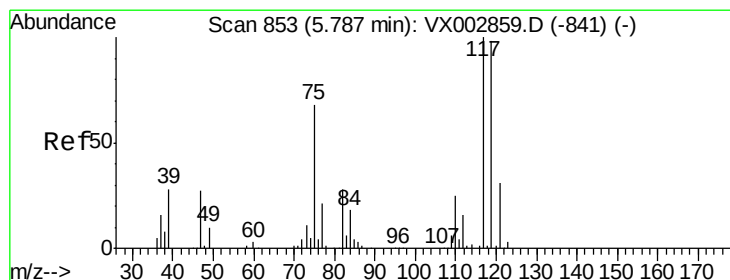
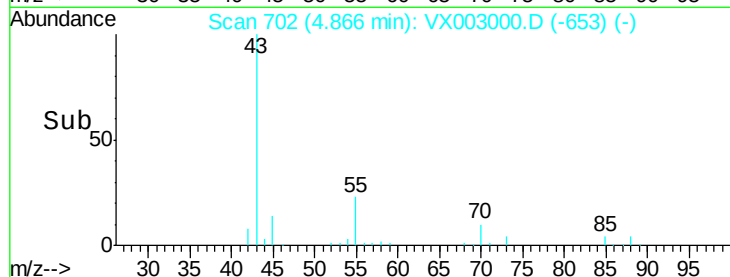
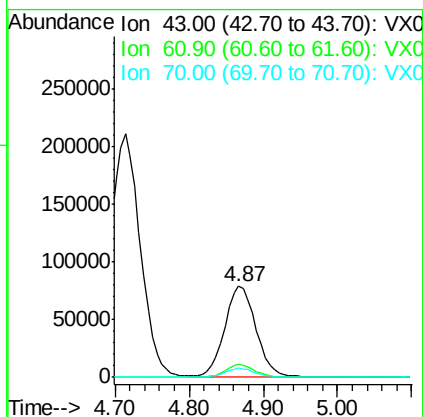
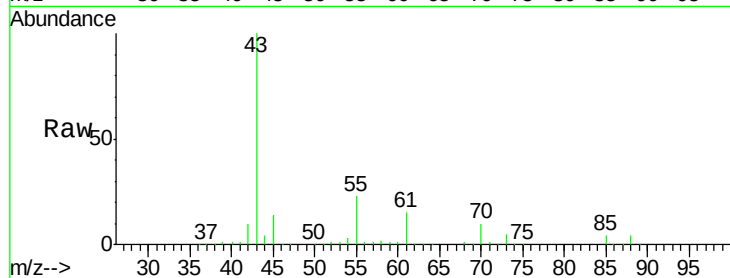




#37
Ethyl Acetate
Concen: 51.69 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

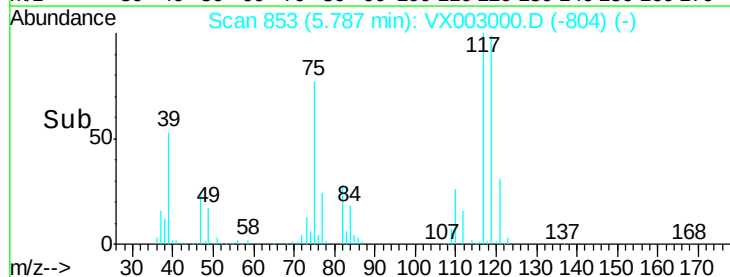
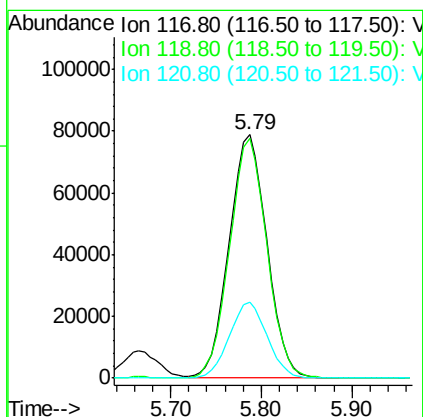
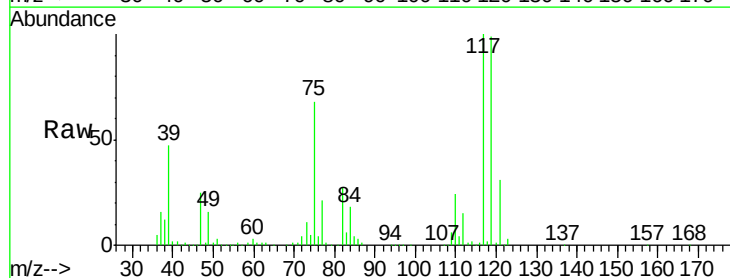
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

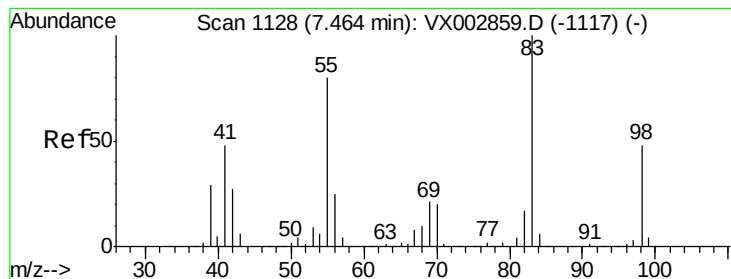
Tot Ion: 43 Resp: 232493
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.84 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 117 Resp: 228461
Ion Ratio Lower Upper
117 100
119 98.7 77.4 116.0
121 31.4 24.4 36.6





#39

Methylvlcyclohexane

Concen: 45.40 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

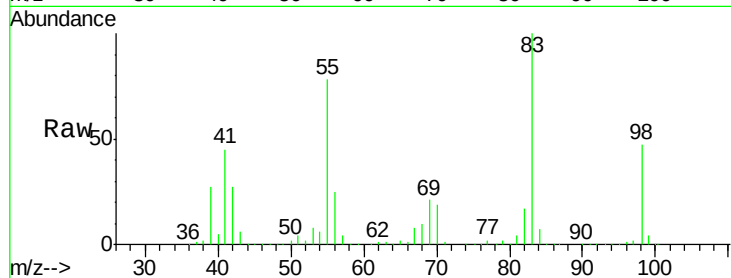
Tot Ion: 83 Resp: 220888

Ion Ratio Lower Upper

83 100

55 78.3 65.4 98.0

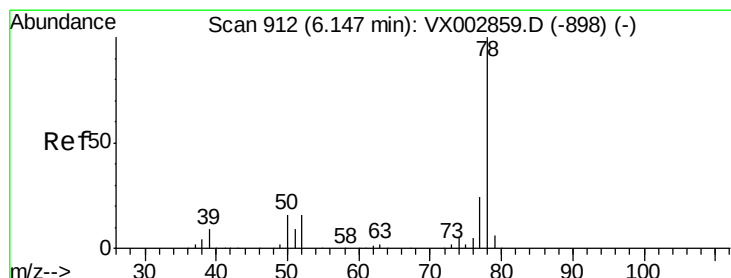
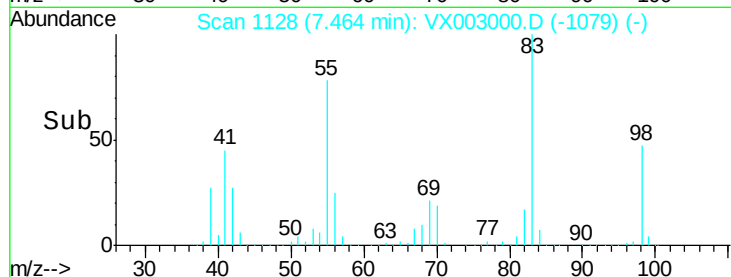
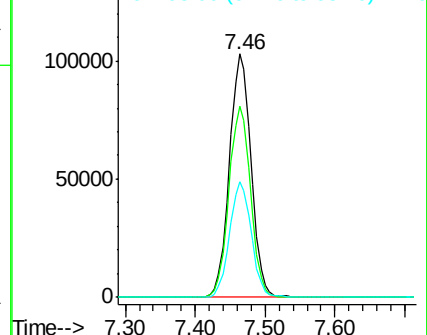
98 47.2 37.4 56.0



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: 50.23 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003000.D

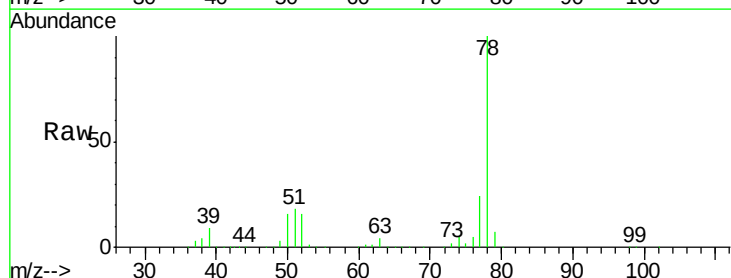
Acq: 28 Jun 2018 21:53

Tgt Ion: 78 Resp: 609656

Ion Ratio Lower Upper

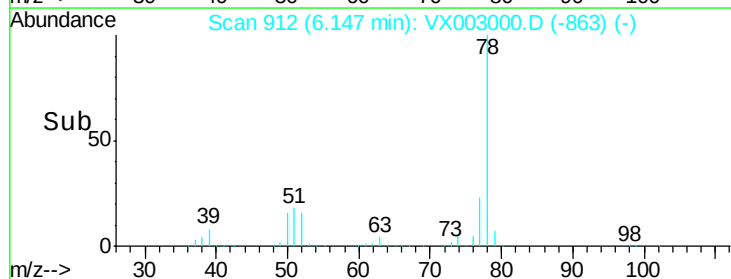
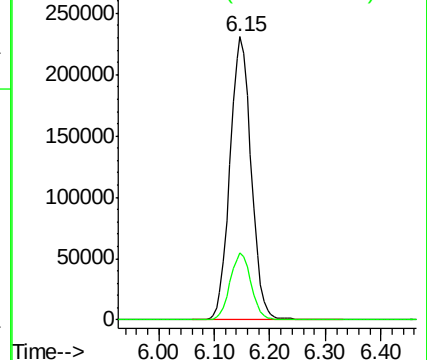
78 100

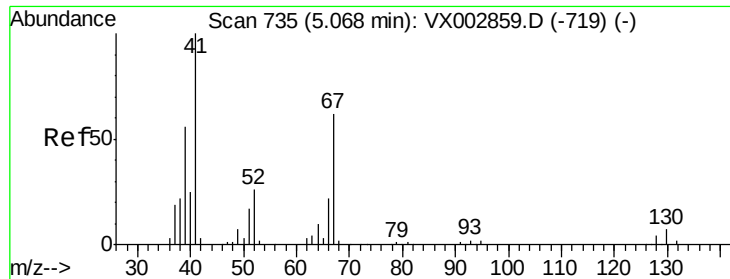
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 51.02 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 132133

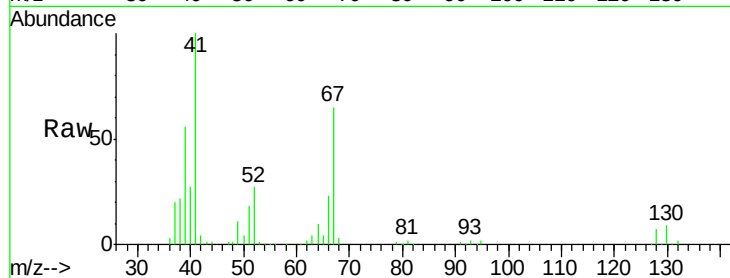
Ion Ratio Lower Upper

41 100

39 56.6 45.8 68.6

67 66.3 51.3 76.9

52 28.8 23.0 34.6

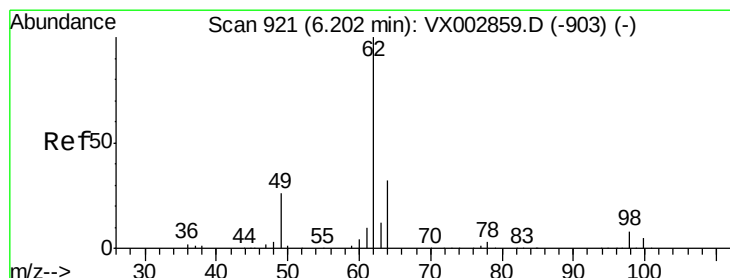
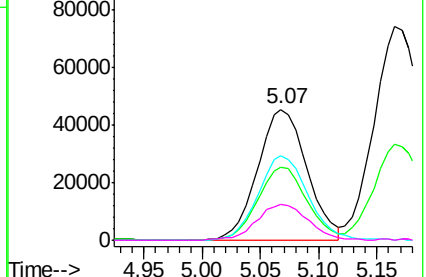
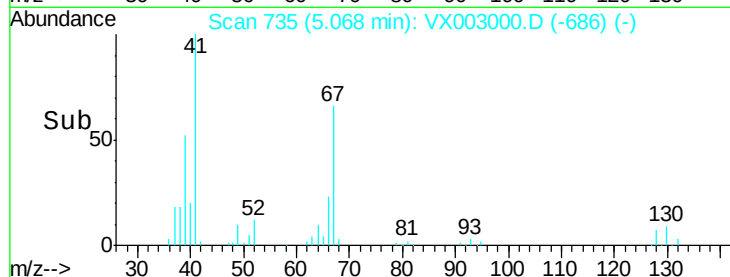


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.08 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX003000.D

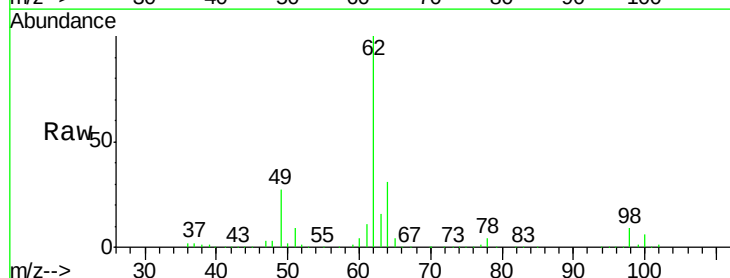
Acq: 28 Jun 2018 21:53

Tgt Ion: 62 Resp: 235756

Ion Ratio Lower Upper

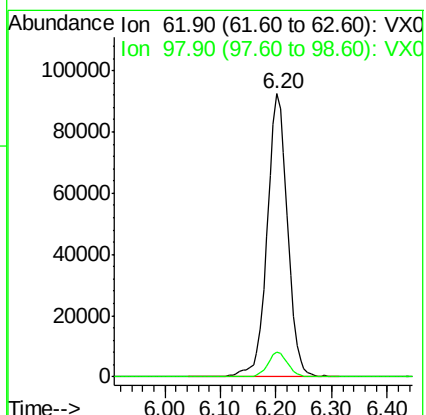
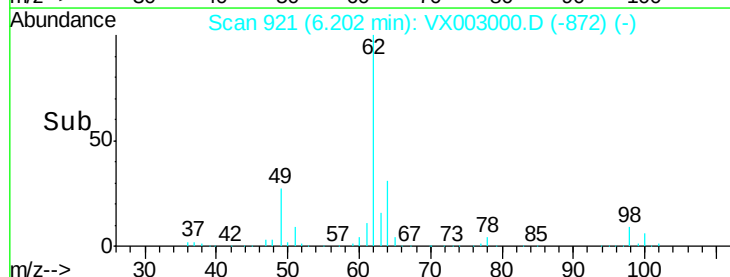
62 100

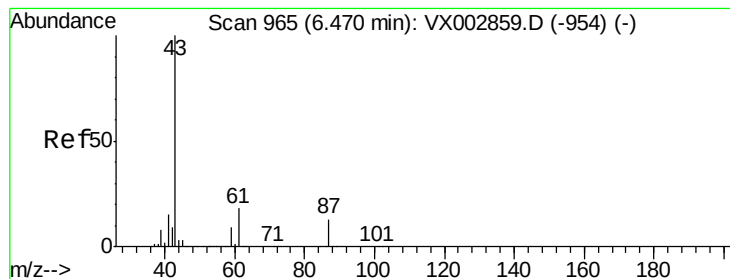
98 8.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



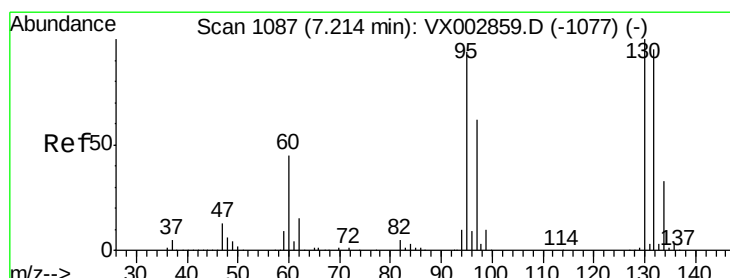
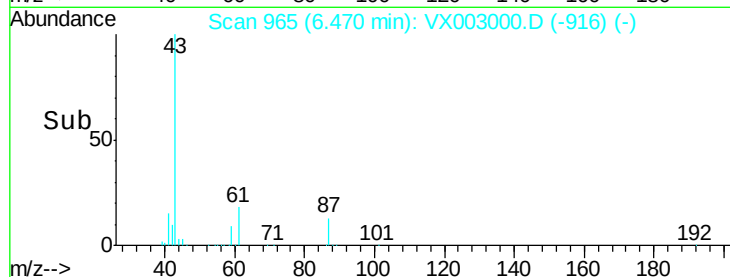
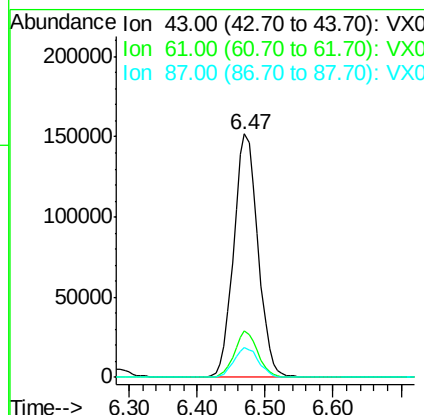
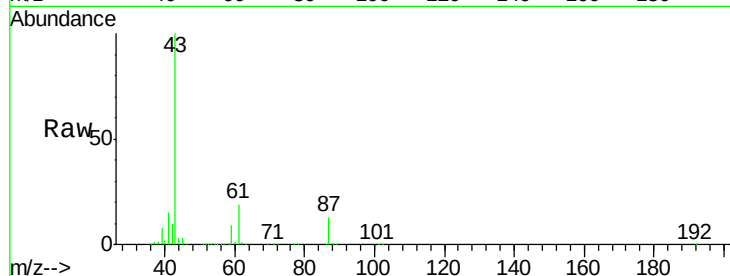


#43

Isopropyl Acetate
 Concen: 49.65 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

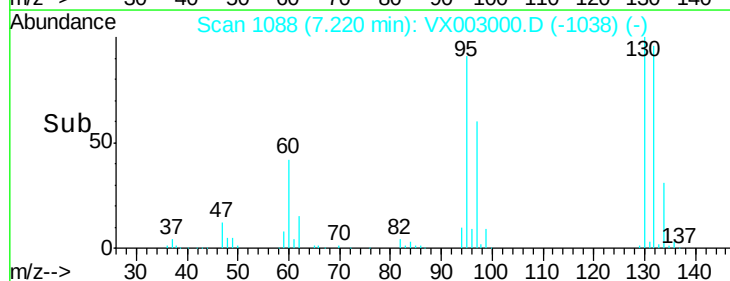
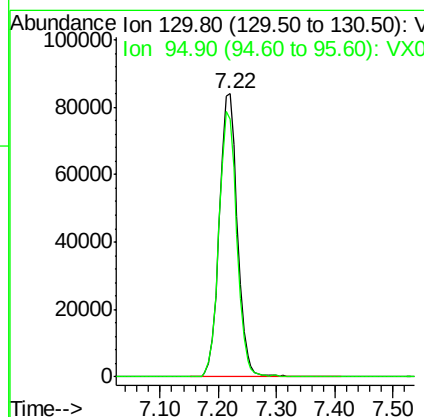
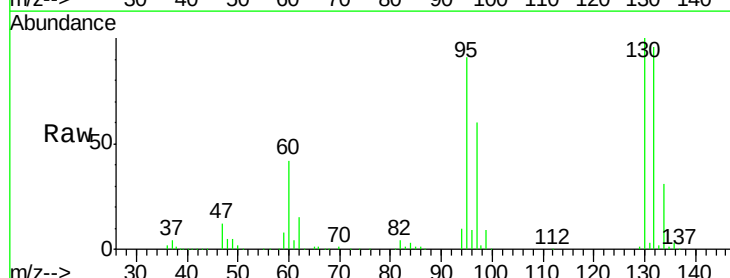
Tot Ion	43	Resp	374499
Ion Ratio	Lower	Upper	
43	100		
61	18.5	14.4	21.6
87	12.5	9.5	14.3

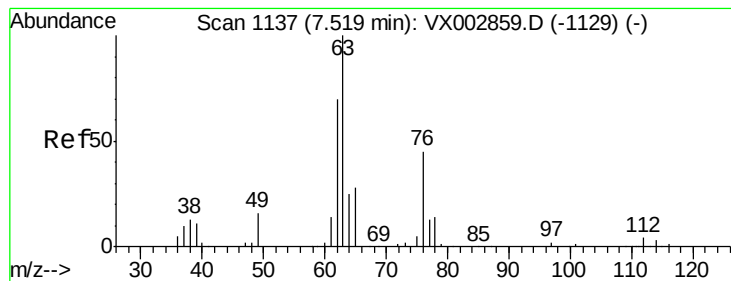


#44

Trichloroethene
 Concen: 49.65 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	130	Resp	179688
Ion Ratio	Lower	Upper	
130	100		
95	90.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.48 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

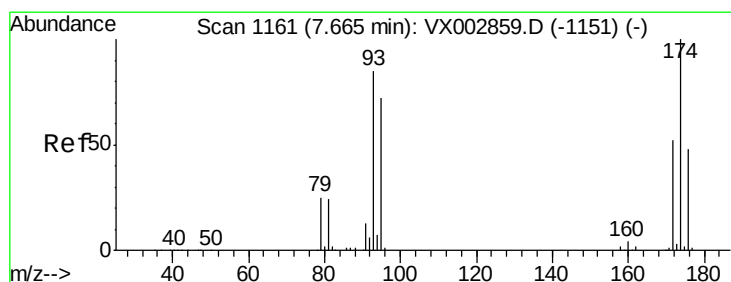
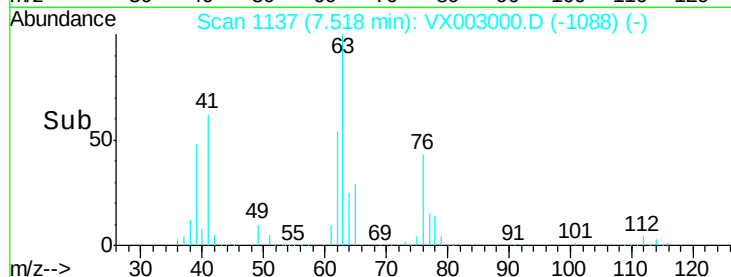
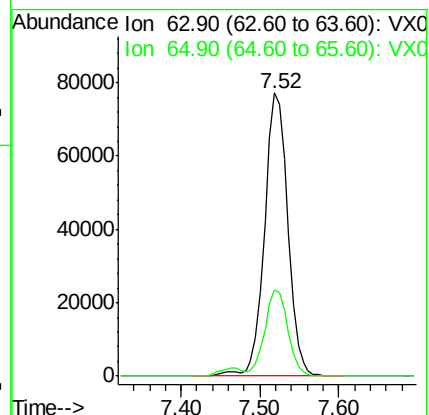
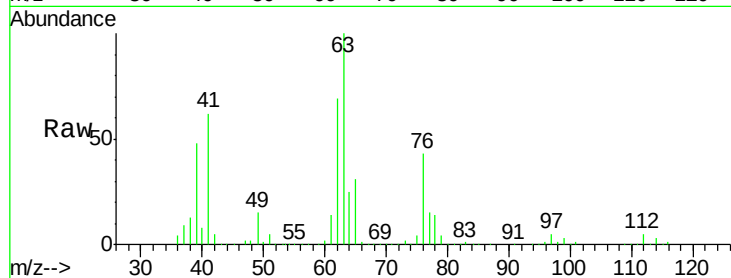
VSTDCCC050EC

Tot Ion: 63 Resp: 159295

Ion Ratio Lower Upper

63 100

65 30.5 24.7 37.1



#46

Dibromomethane

Concen: 49.03 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

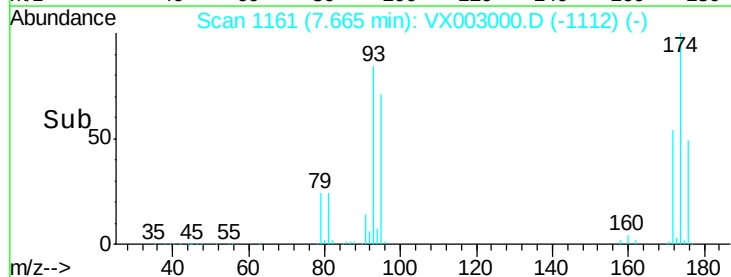
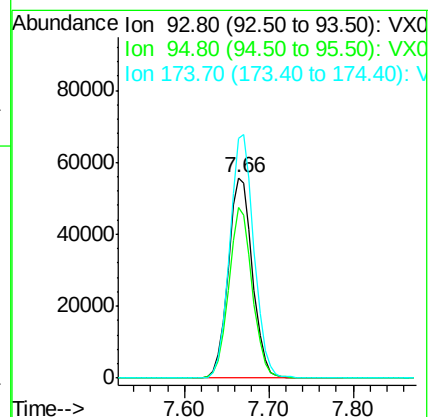
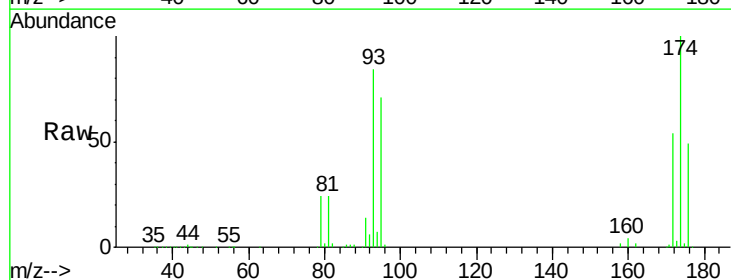
Tgt Ion: 93 Resp: 109547

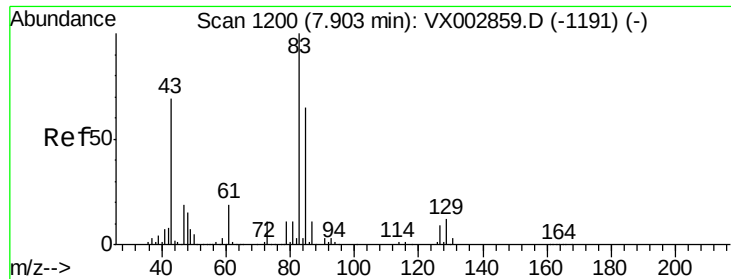
Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

174 121.0 92.4 138.6





#47

Bromodichloromethane

Concen: 51.17 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

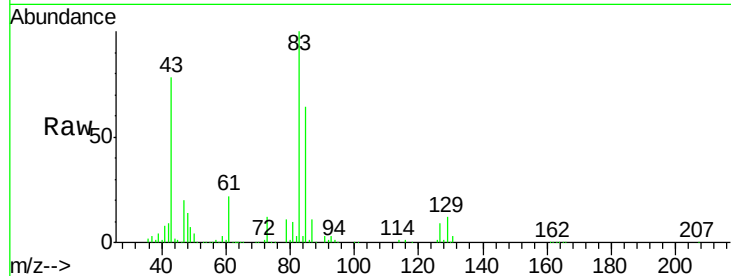
Tot Ion: 83 Resp: 211382

Ion Ratio Lower Upper

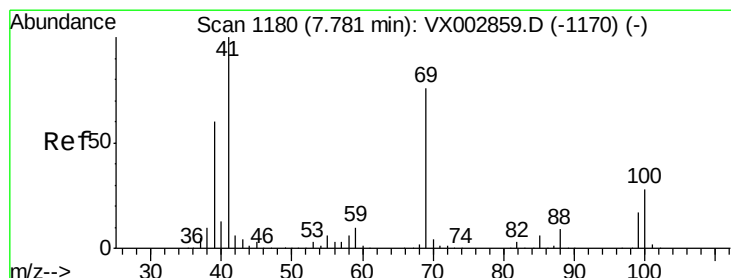
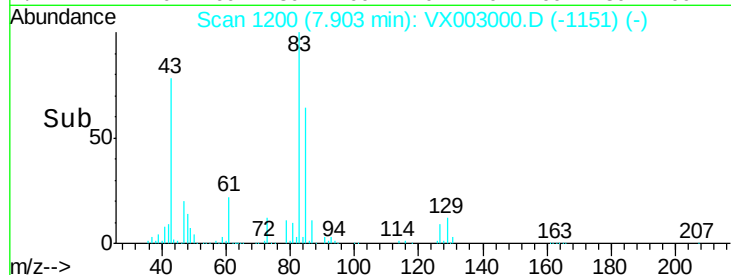
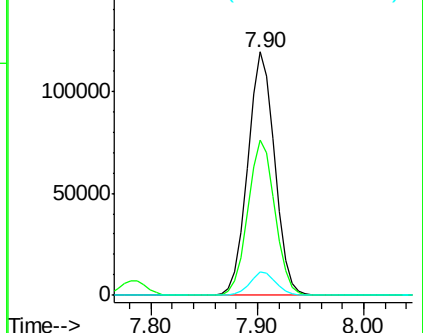
83 100

85 63.7 50.3 75.5

127 9.5 7.0 10.4



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



#48

Methyl methacrylate

Concen: 50.64 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

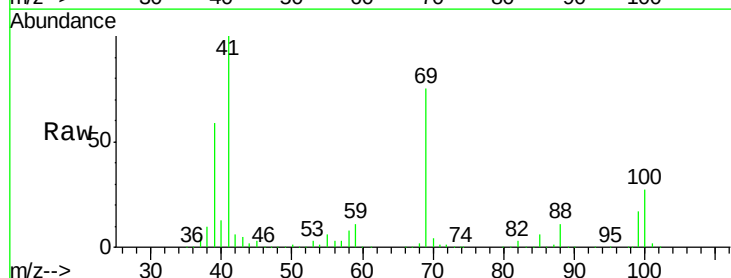
Tgt Ion: 41 Resp: 196834

Ion Ratio Lower Upper

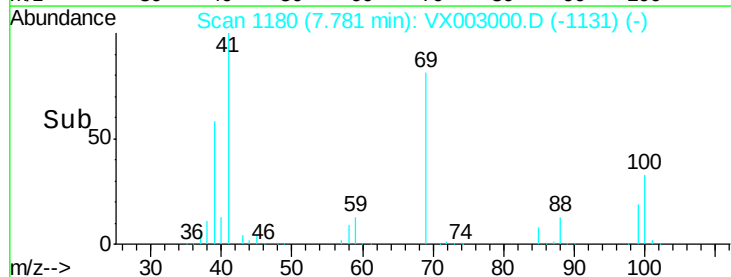
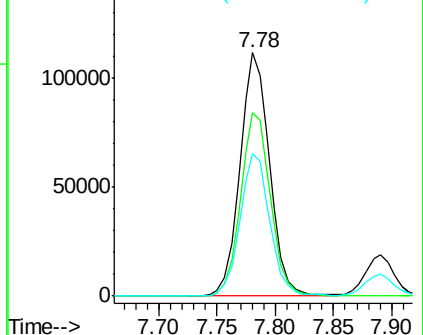
41 100

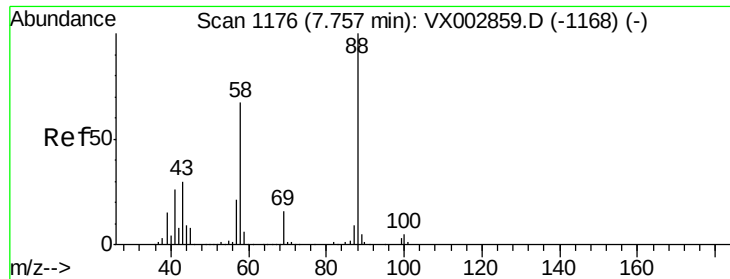
69 76.4 59.1 88.7

39 58.7 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

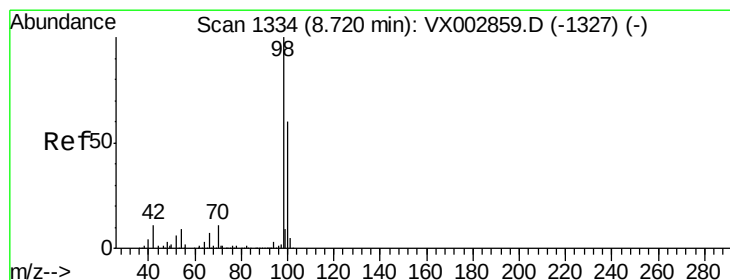
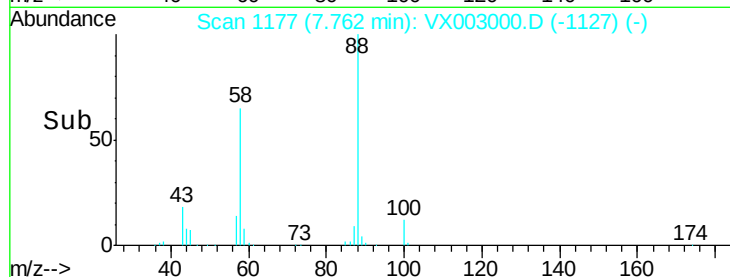
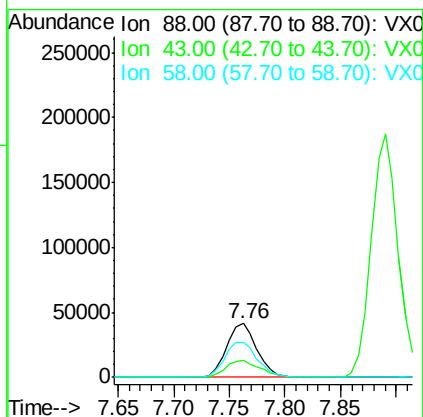
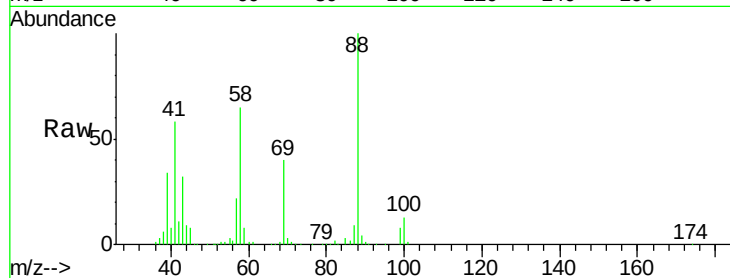




#49
 1,4-Dioxane
 Concen: 1028.44 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

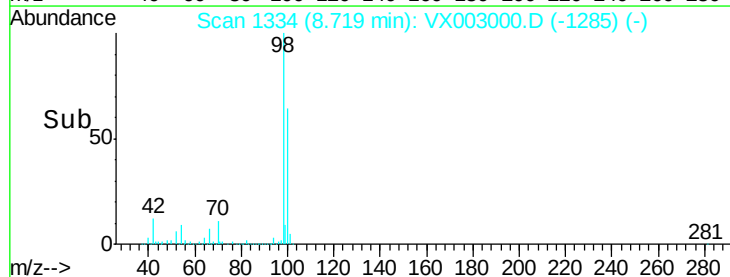
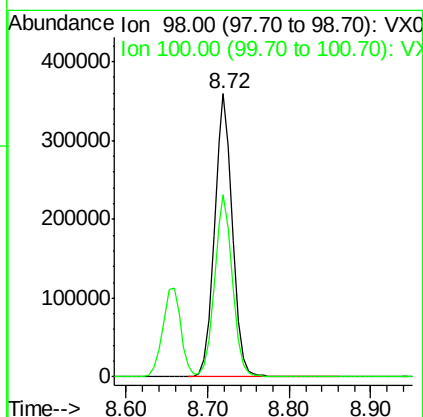
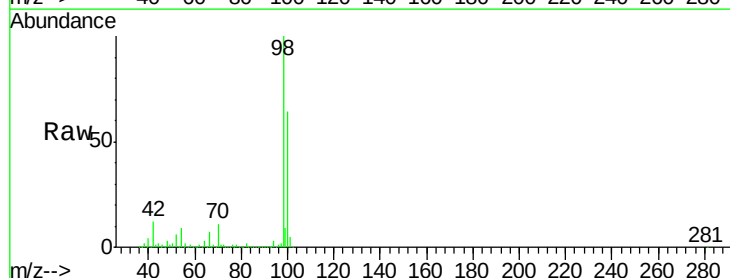
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

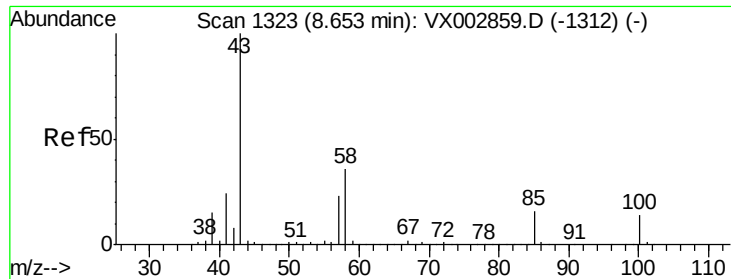
Tot Ion: 88 Resp: 77771
 Ion Ratio Lower Upper
 88 100
 43 35.2 29.8 44.6
 58 71.3 57.1 85.7



#50
 Toluene-d8
 Concen: 50.33 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion: 98 Resp: 554463
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 258.64 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

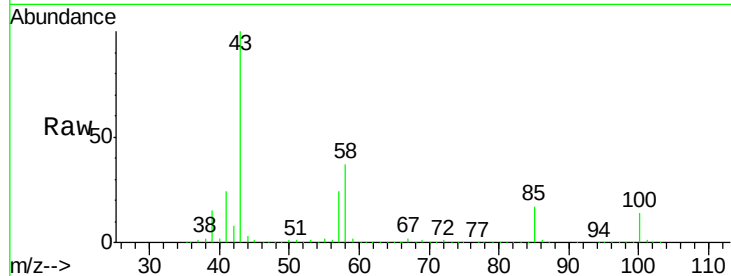
VSTDCCC050EC

Tot Ion: 43 Resp: 1220681

Ion Ratio Lower Upper

43 100

58 36.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

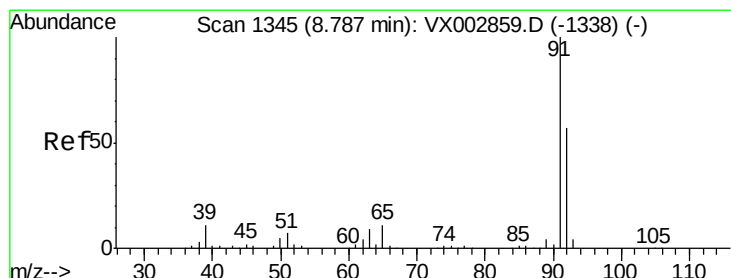
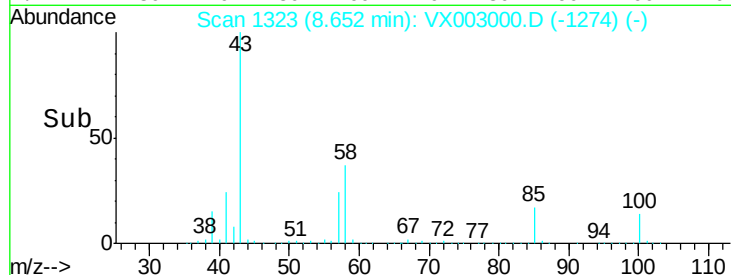
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003000.D

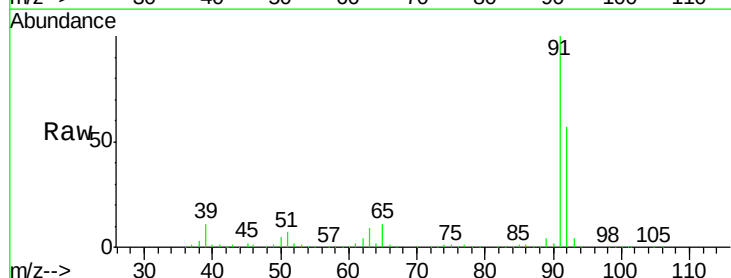
Acq: 28 Jun 2018 21:53

Tgt Ion: 92 Resp: 389195

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

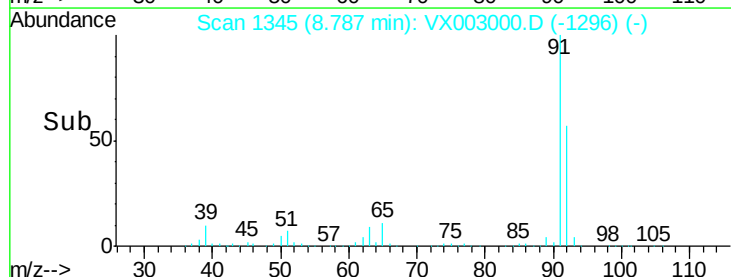
300000

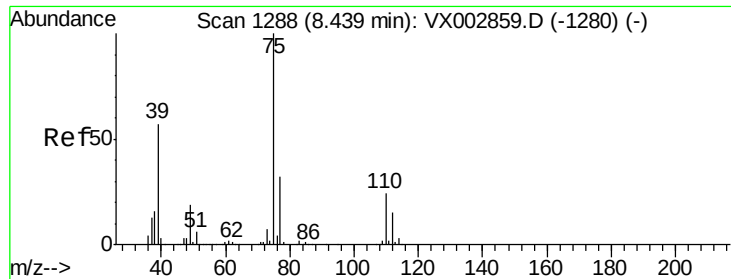
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

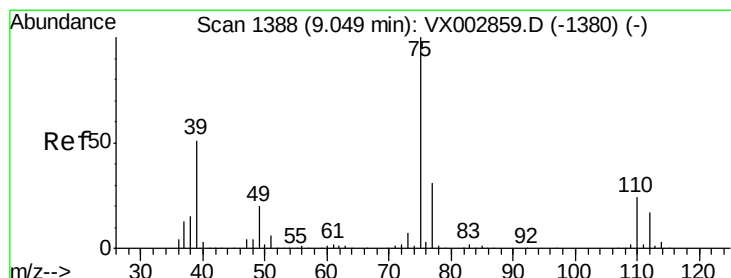
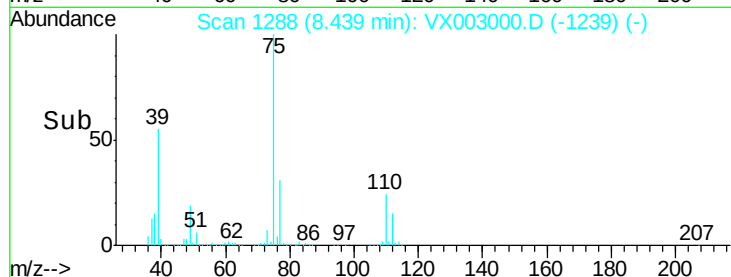
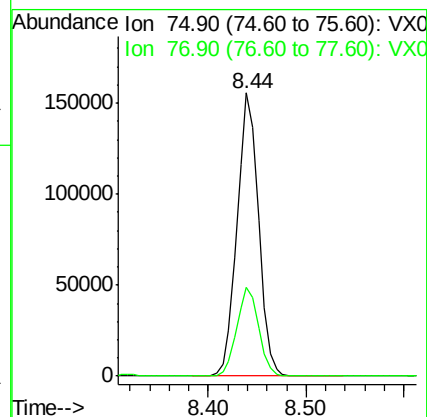
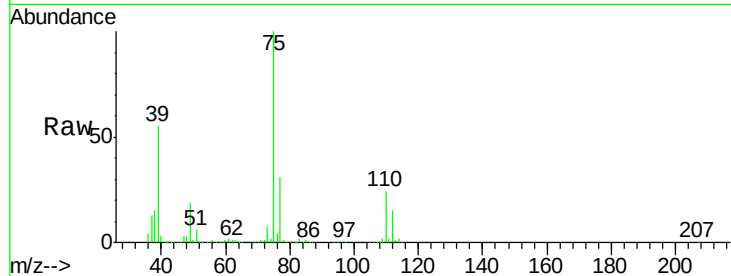
VSTDCCC050EC

Tot Ion: 75 Resp: 237160

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 49.03 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

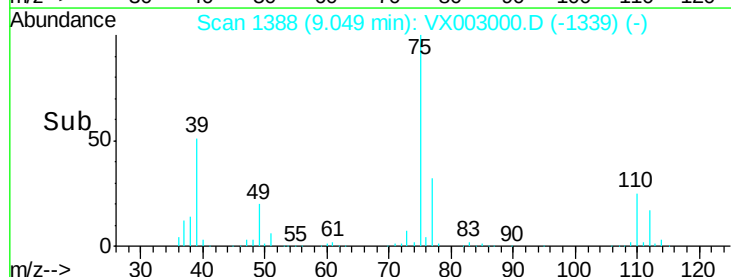
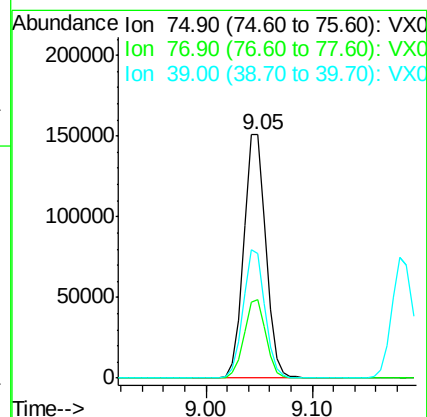
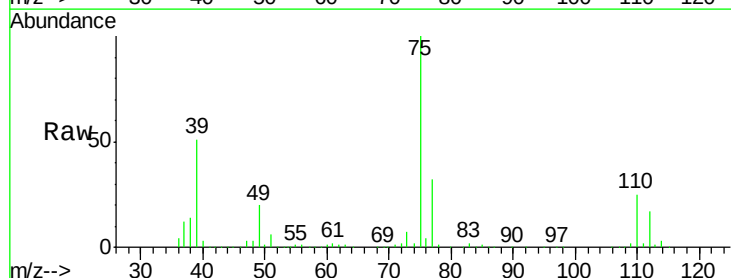
Tgt Ion: 75 Resp: 220691

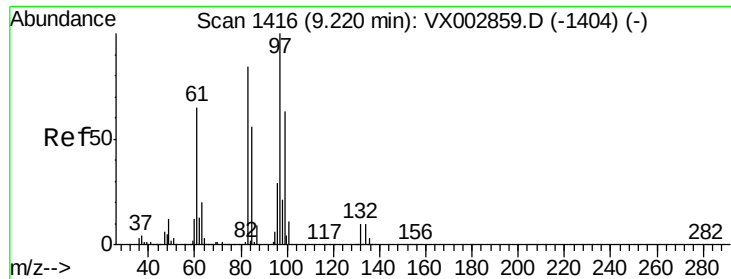
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 50.9 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 50.08 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 160018

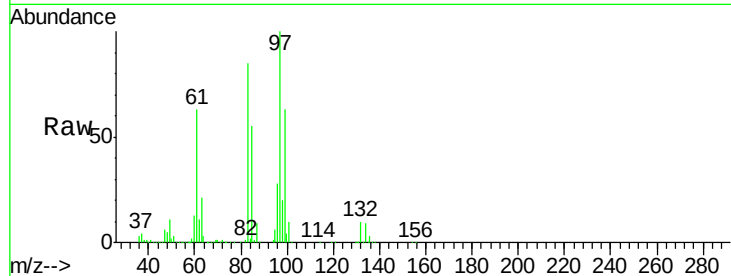
Ion Ratio Lower Upper

97 100

83 84.7 70.2 105.2

85 55.0 44.9 67.3

99 62.9 49.8 74.8

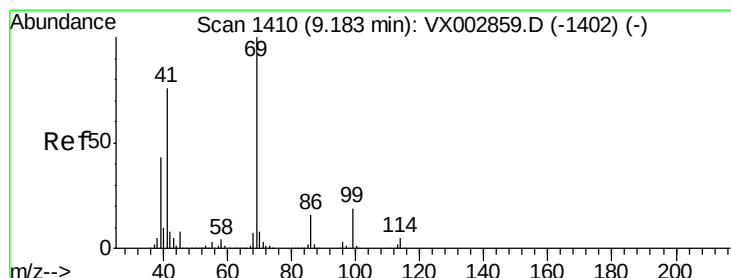
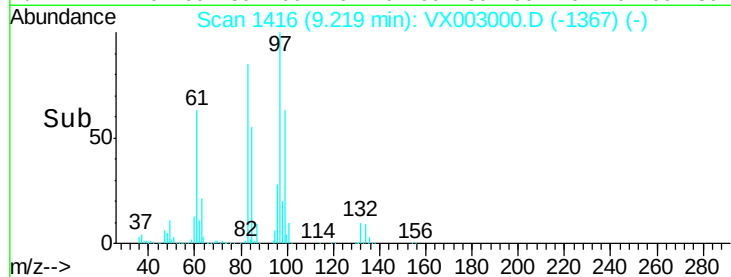
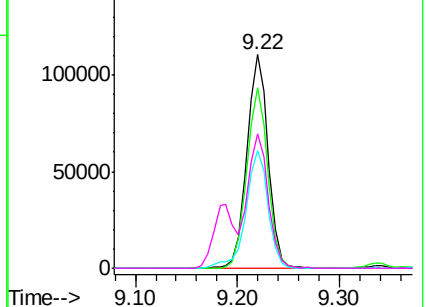


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.51 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

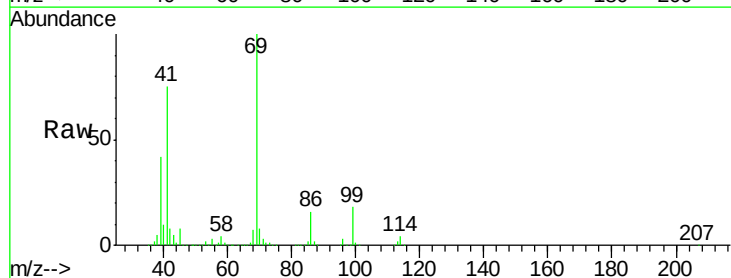
Tgt Ion: 69 Resp: 245223

Ion Ratio Lower Upper

69 100

41 73.7 60.3 90.5

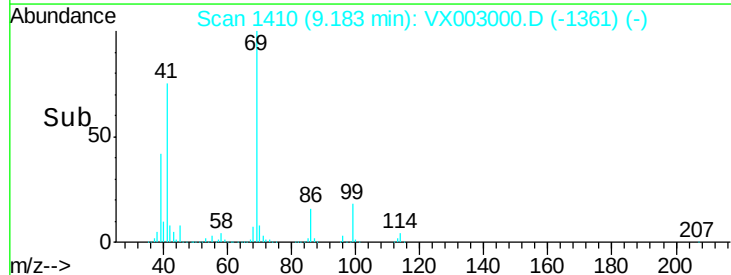
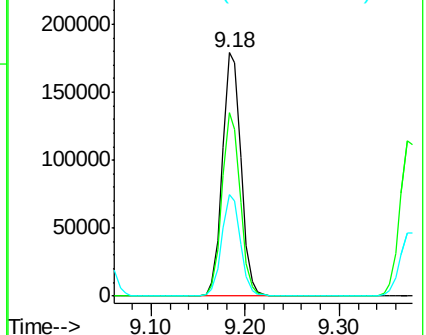
39 41.3 35.8 53.8

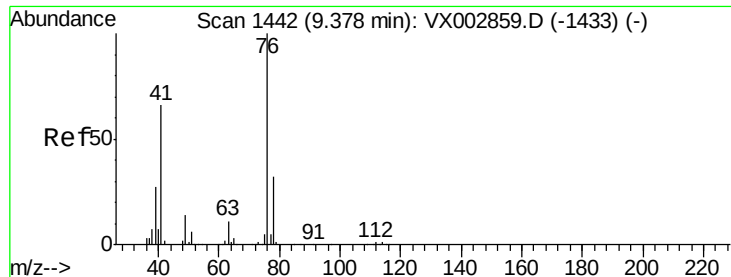


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

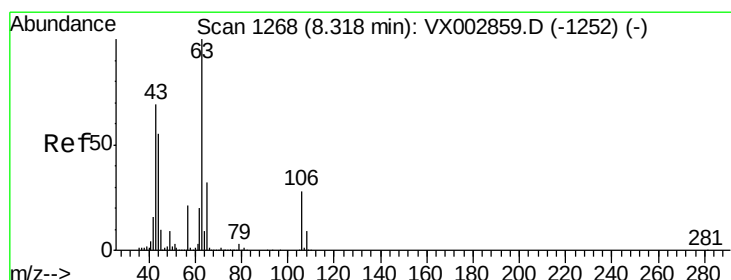
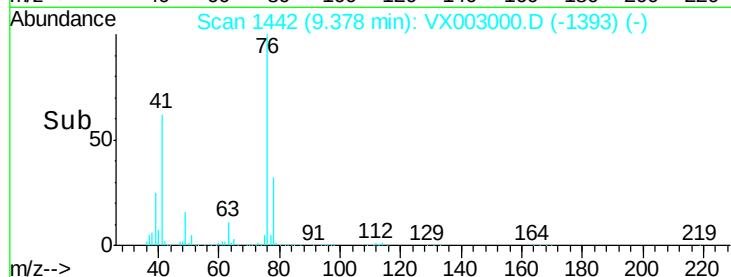
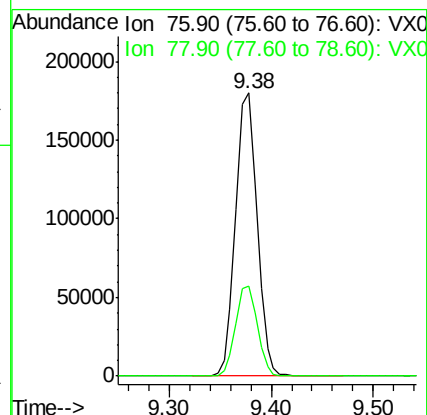
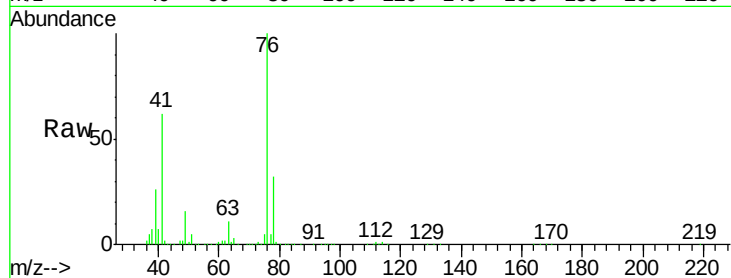
VSTDCCC050EC

Tot Ion: 76 Resp: 262583

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 259.16 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003000.D

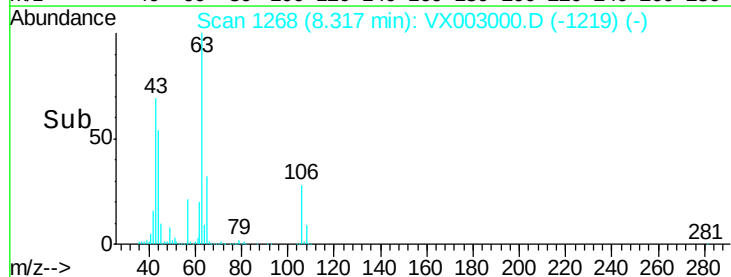
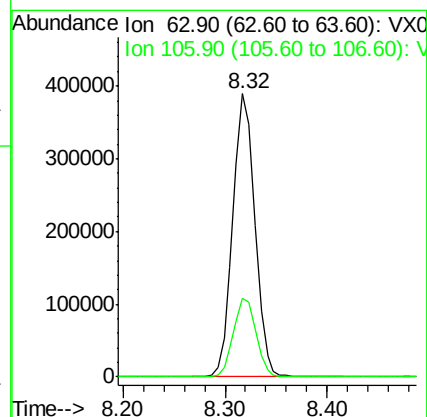
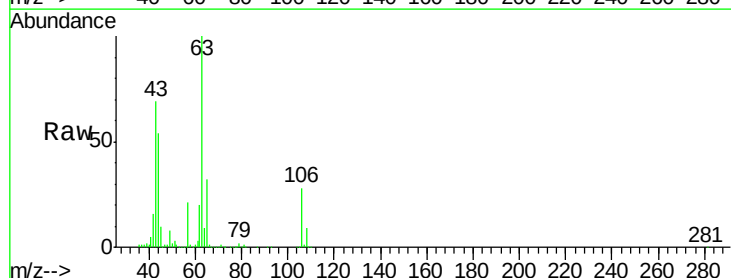
Acq: 28 Jun 2018 21:53

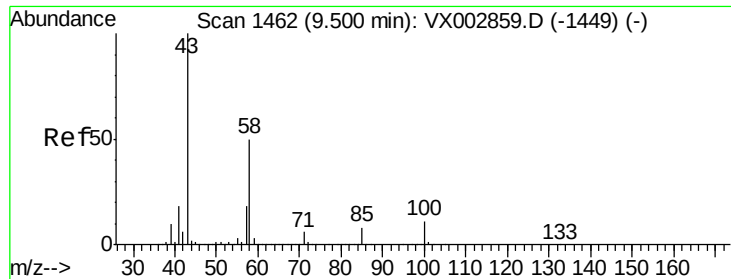
Tgt Ion: 63 Resp: 583836

Ion Ratio Lower Upper

63 100

106 28.4 21.8 32.8

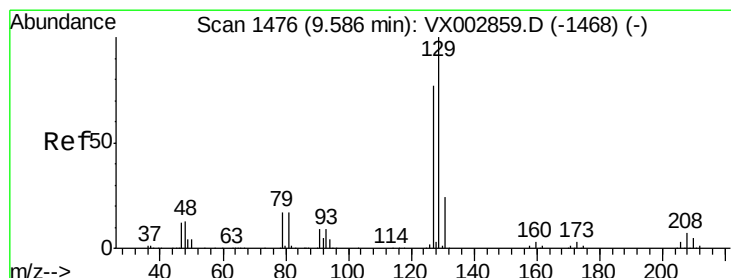
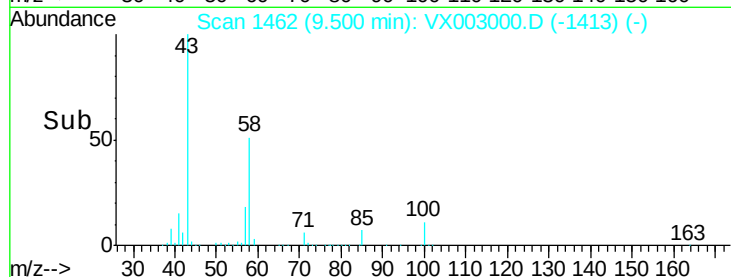
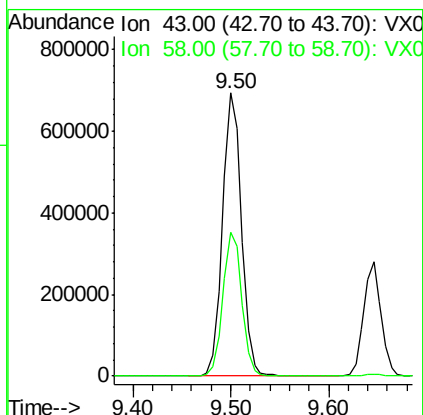
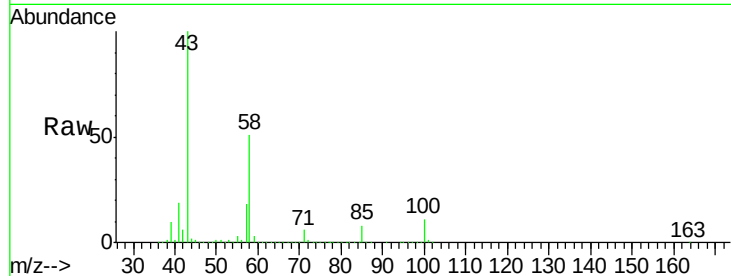




#59
2-Hexanone
Concen: 260.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

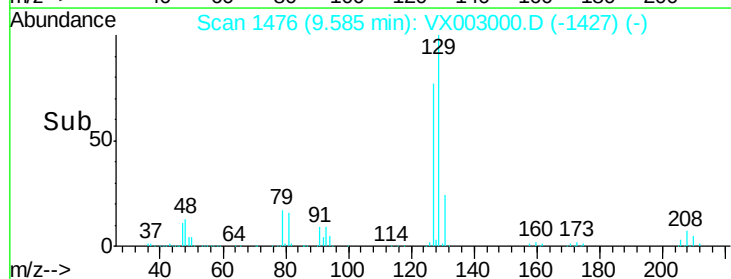
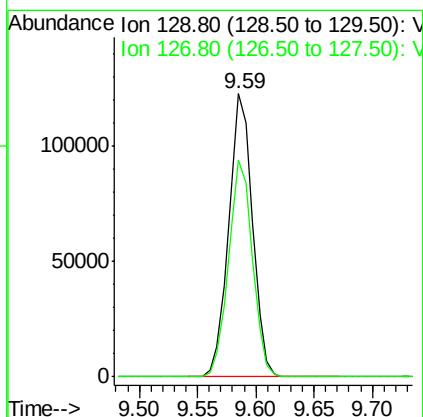
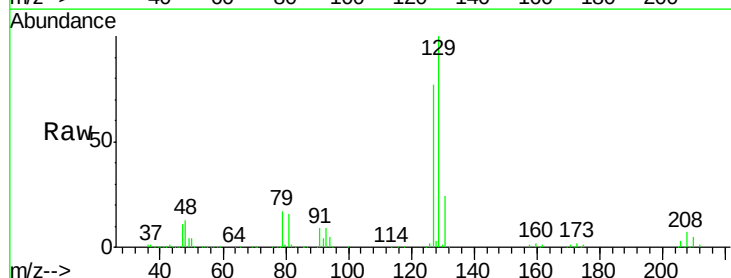
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

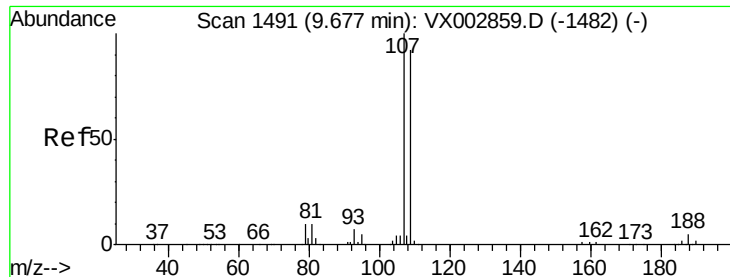
Tot Ion: 43 Resp: 933545
Ion Ratio Lower Upper
43 100
58 50.8 24.6 73.6



#60
Dibromochloromethane
Concen: 51.88 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 129 Resp: 174493
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

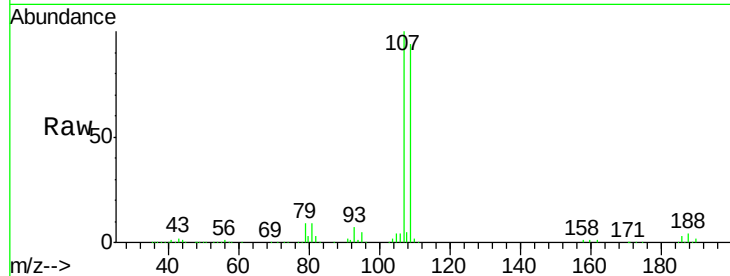
VSTDCCC050EC

Tot Ion:107 Resp: 170274

Ion Ratio Lower Upper

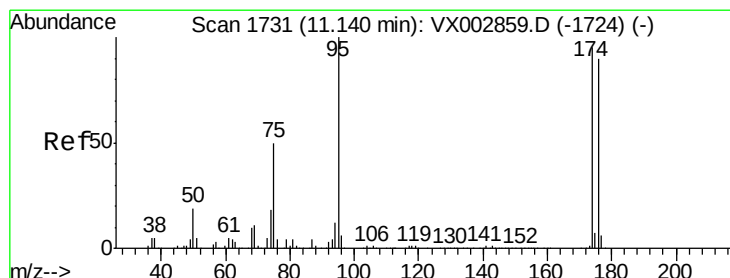
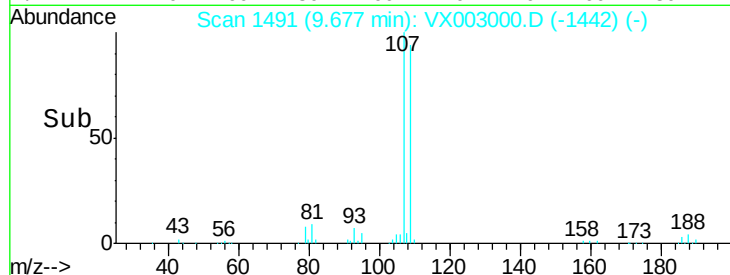
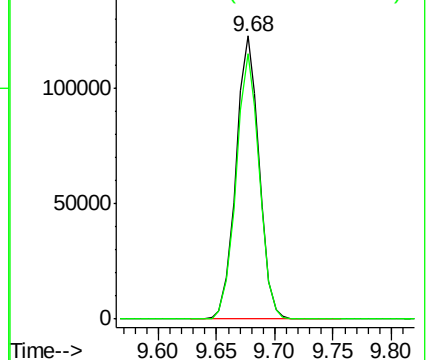
107 100

109 94.2 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: 50.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

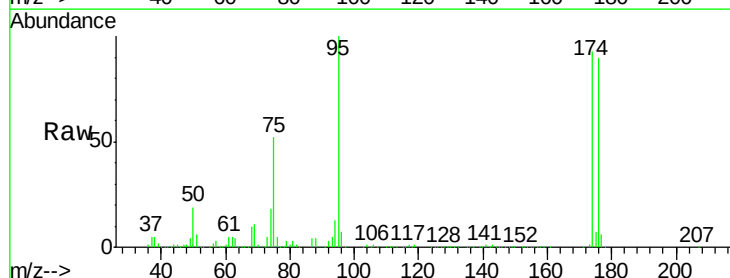
Tgt Ion: 95 Resp: 215023

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

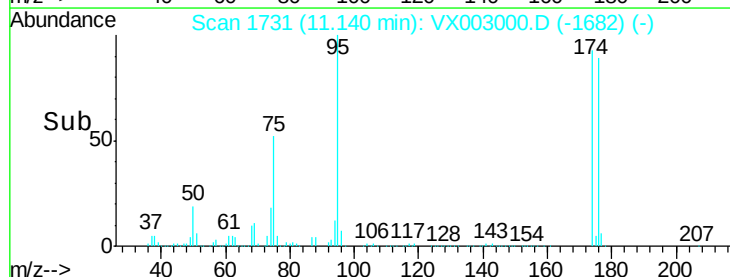
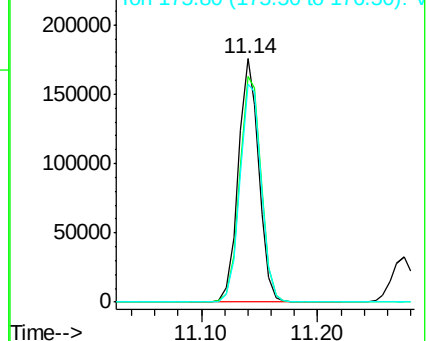
176 93.6 0.0 181.0

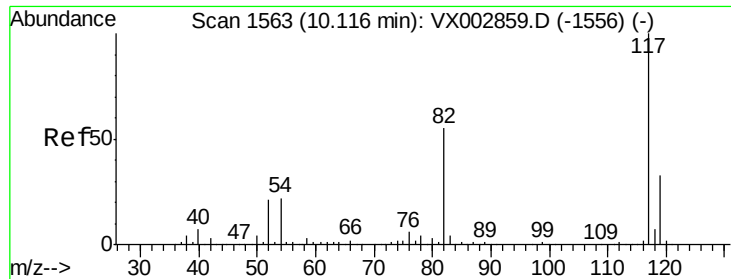


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

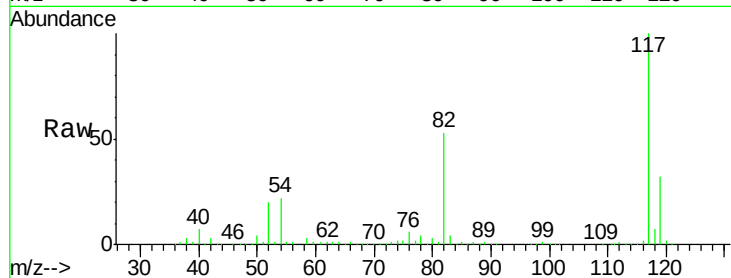




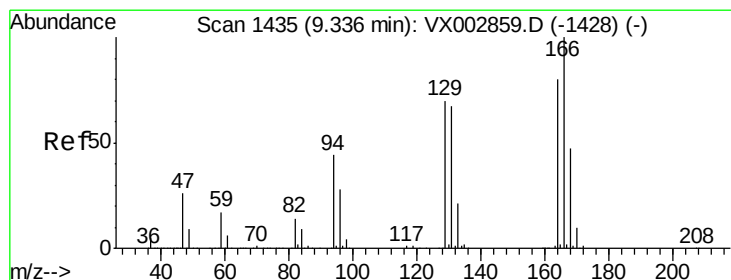
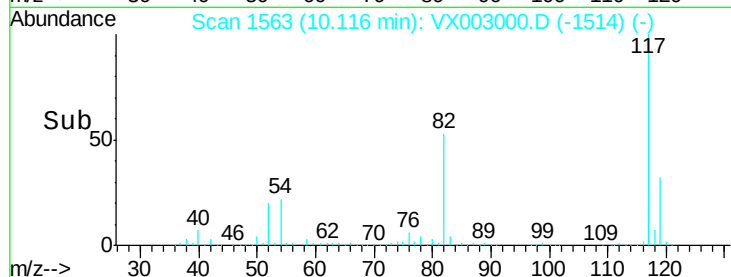
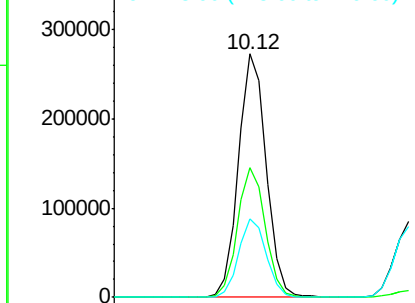
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 365950
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.4 25.8 38.6

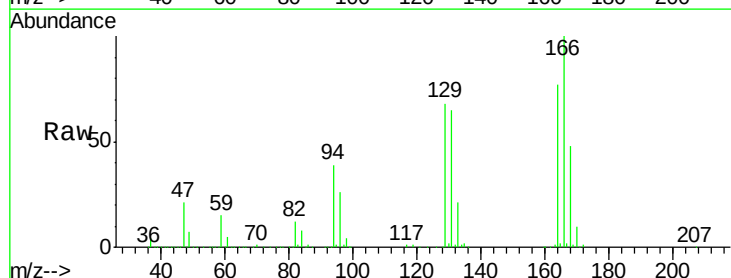


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

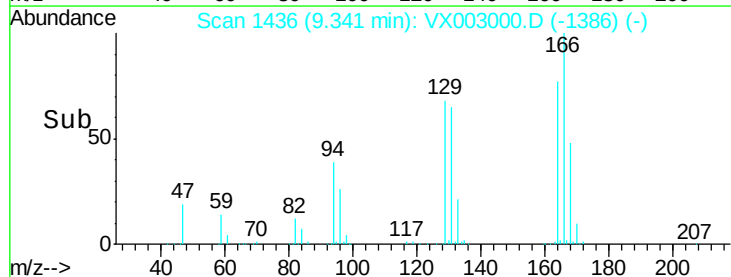
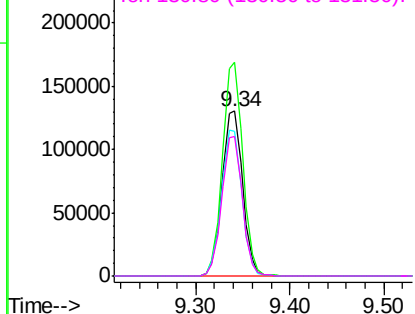


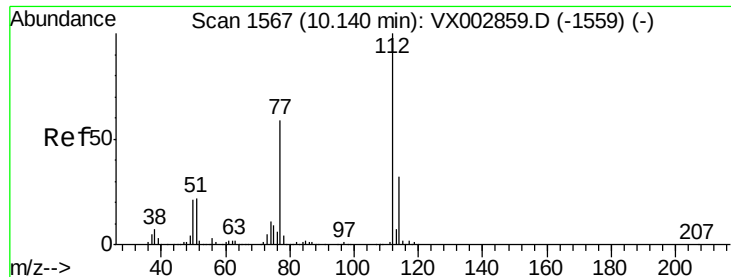
#64
Tetrachloroethene
Concen: 48.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion:164 Resp: 197881
Ion Ratio Lower Upper
164 100
166 129.6 102.9 154.3
129 87.6 68.6 102.8
131 84.8 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.62 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

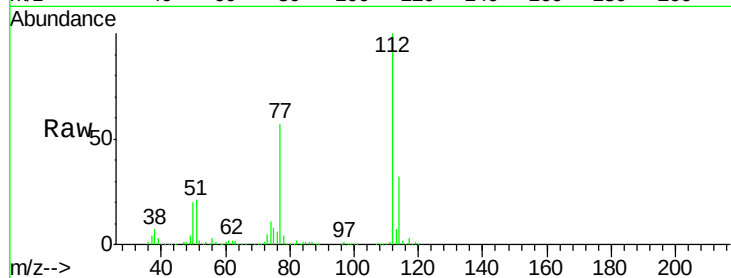
VSTDCCC050EC

Tot Ion:112 Resp: 451954

Ion Ratio Lower Upper

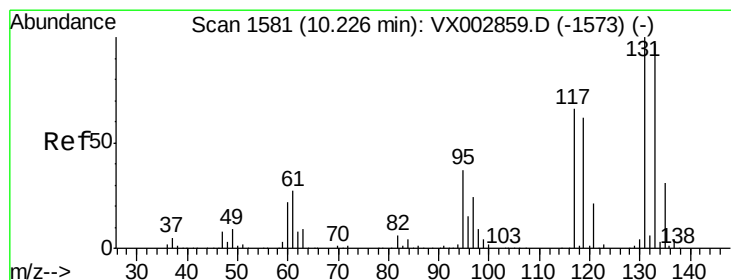
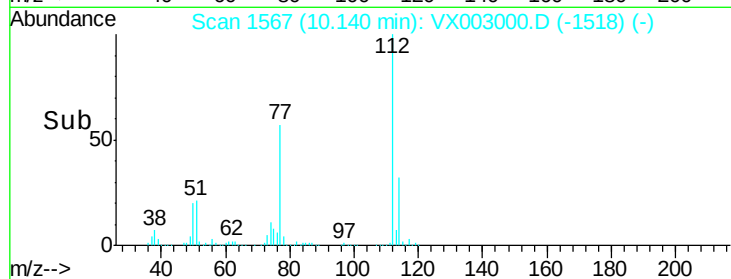
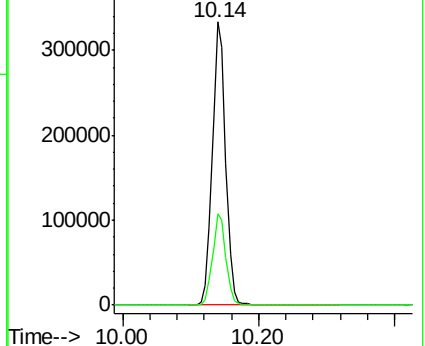
112 100

114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.03 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

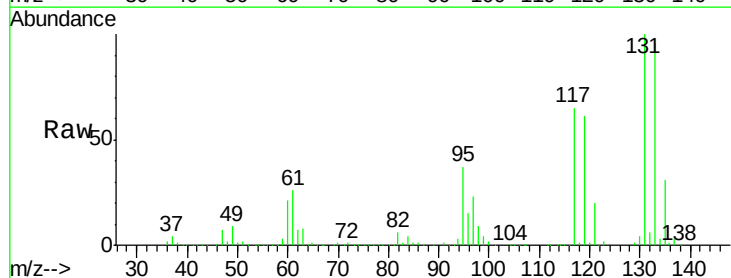
Tgt Ion:131 Resp: 168923

Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.6

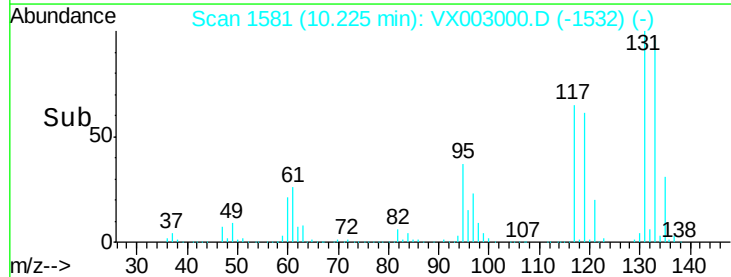
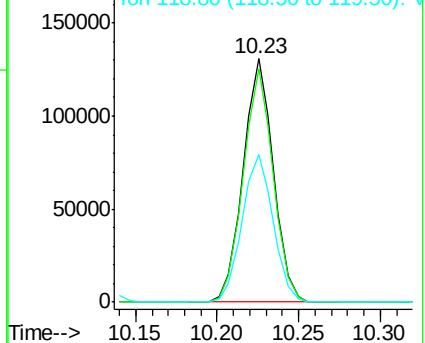
119 62.5 31.8 95.3

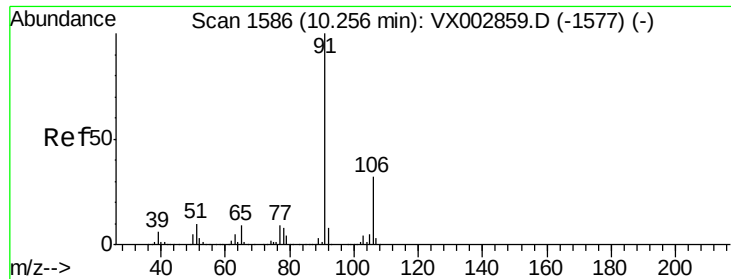


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

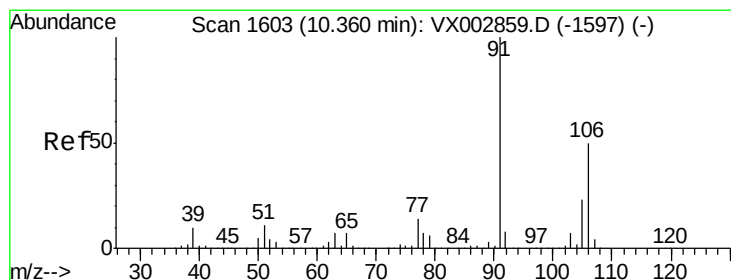
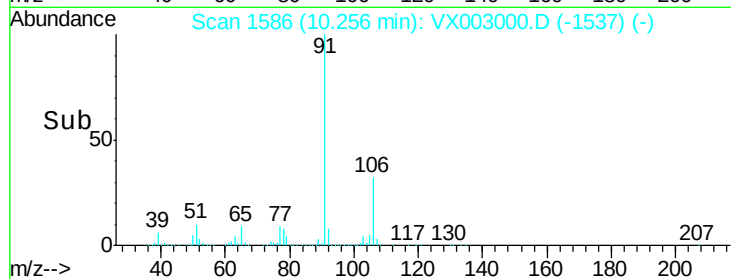
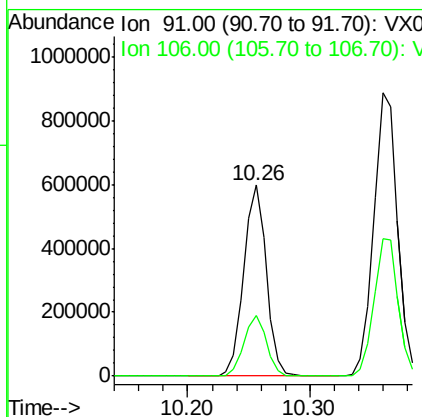
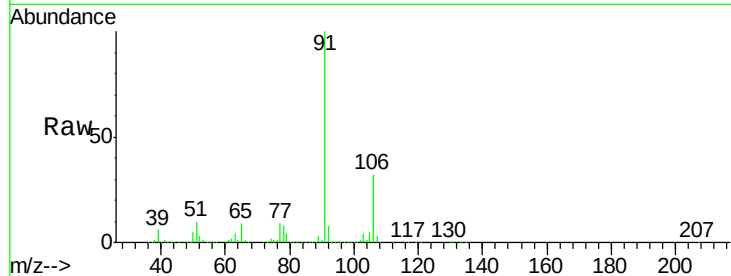




#67
Ethyl Benzene
Concen: 49.92 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

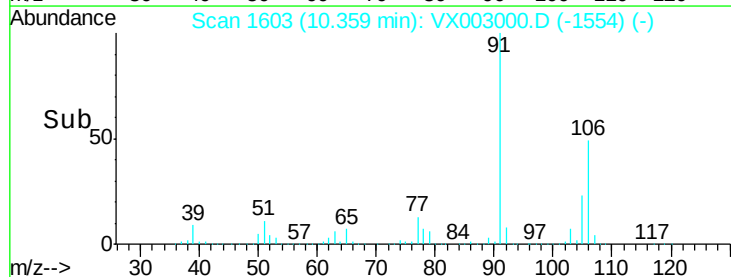
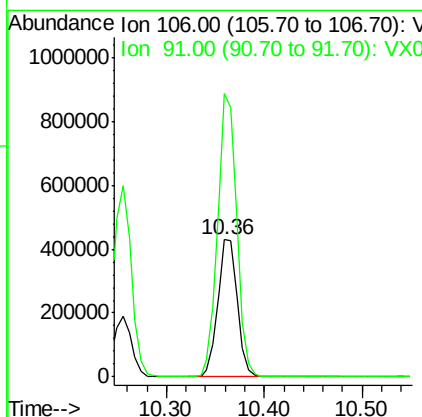
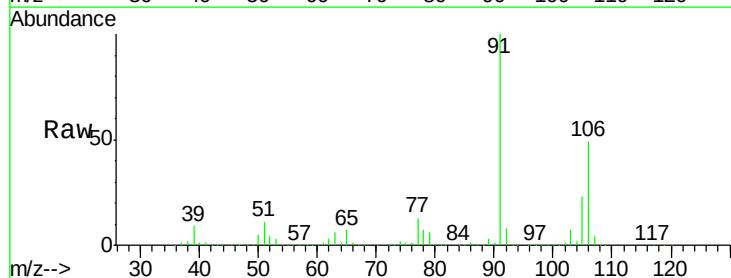
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

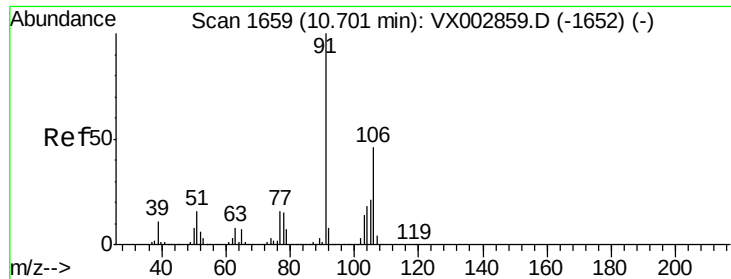
Tot Ion: 91 Resp: 766505
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 100.37 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 106 Resp: 593958
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2

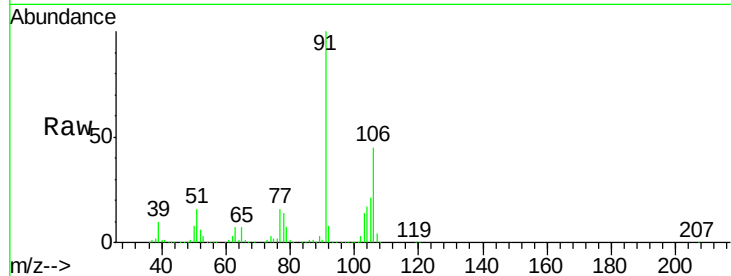




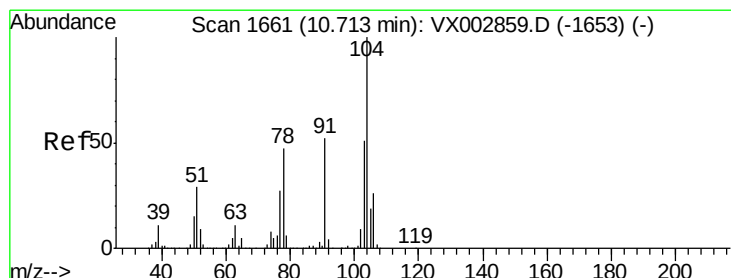
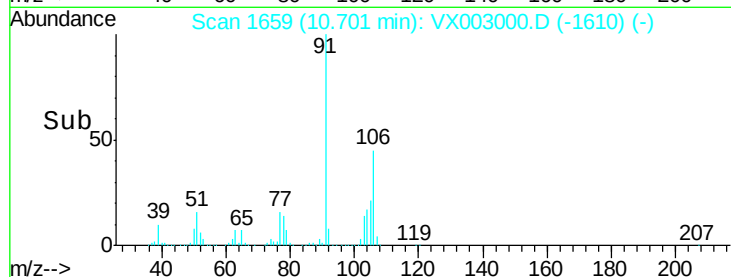
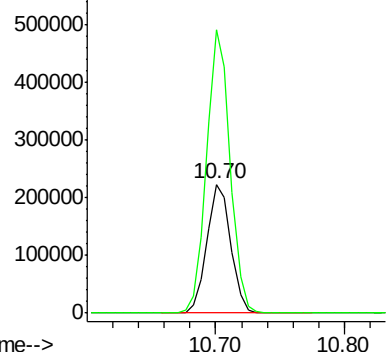
#69
o-Xylene
Concen: 50.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 289033
Ion Ratio Lower Upper
106 100
91 215.4 108.2 324.6

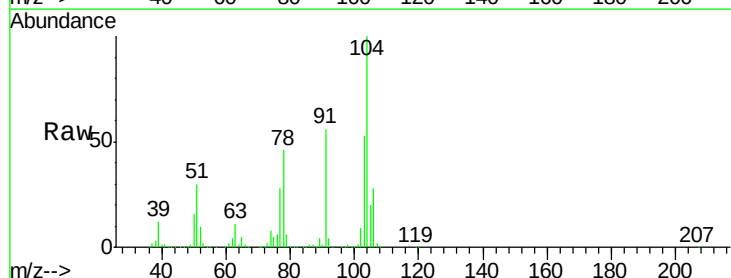


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

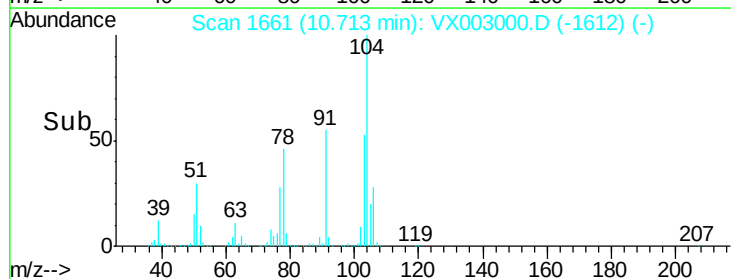
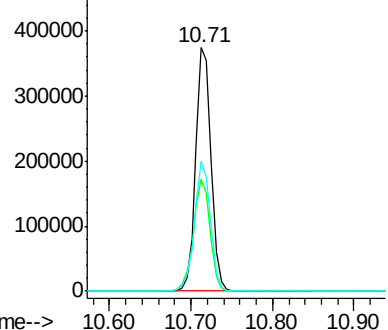


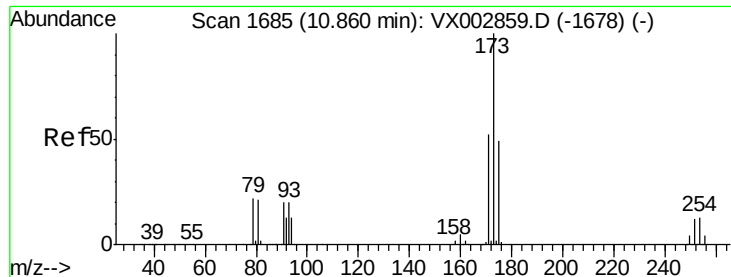
#70
Styrene
Concen: 52.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion:104 Resp: 490071
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 55.7 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

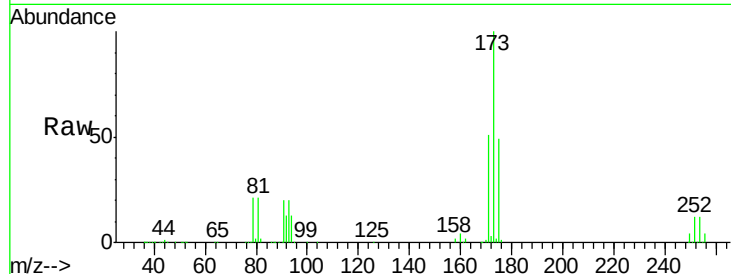




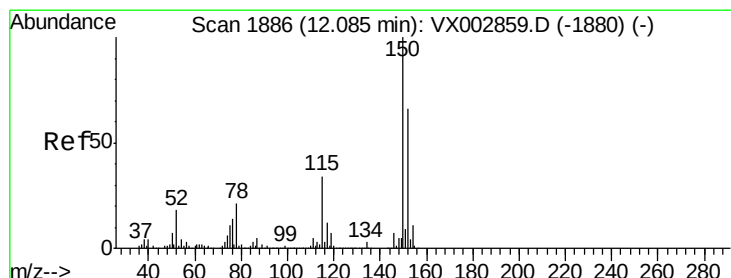
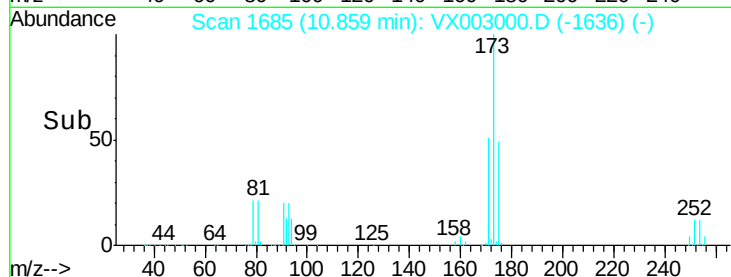
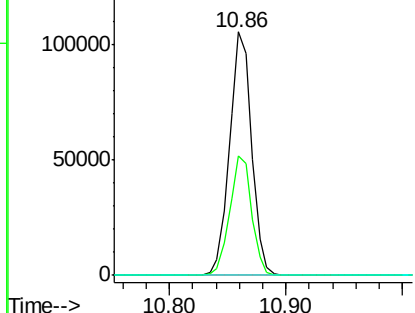
#71
Bromoform
Concen: 45.73 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:173 Resp: 138402
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.2 0.2 0.2

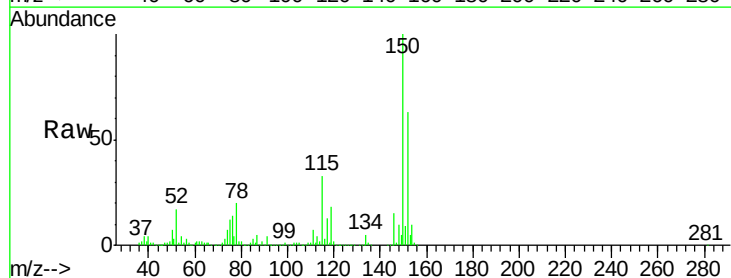


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

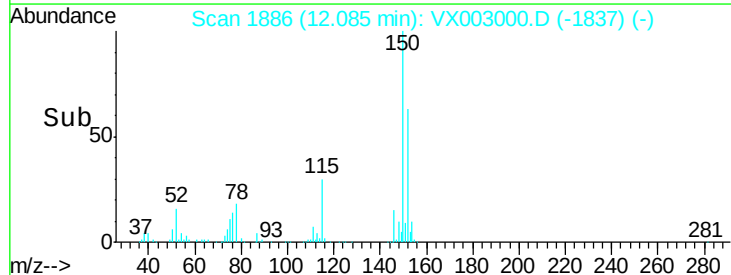
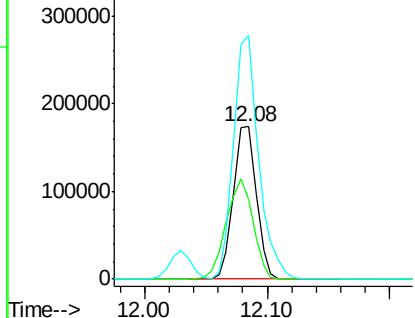


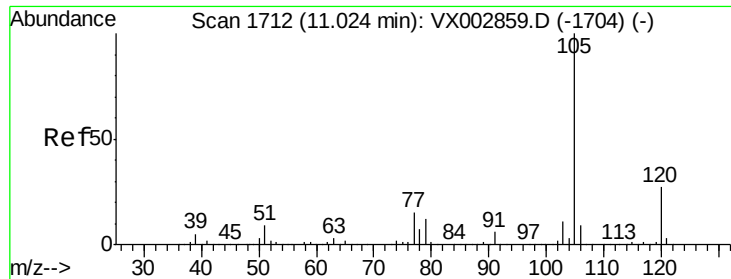
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion:152 Resp: 225488
Ion Ratio Lower Upper
152 100
115 76.9 40.1 120.2
150 174.5 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: 50.74 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

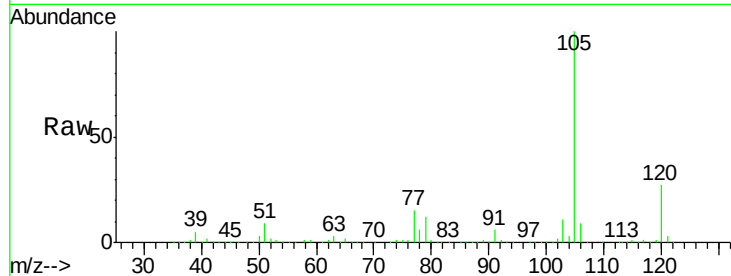
VSTDCCC050EC

Tot Ion:105 Resp: 769644

Ion Ratio Lower Upper

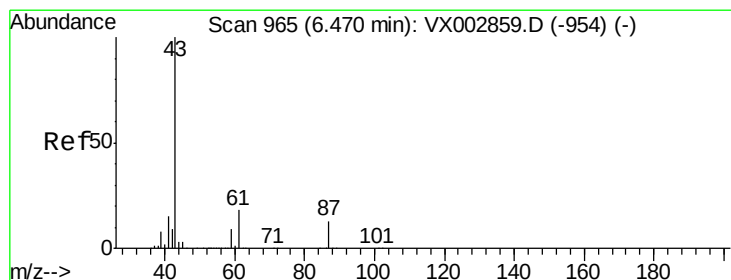
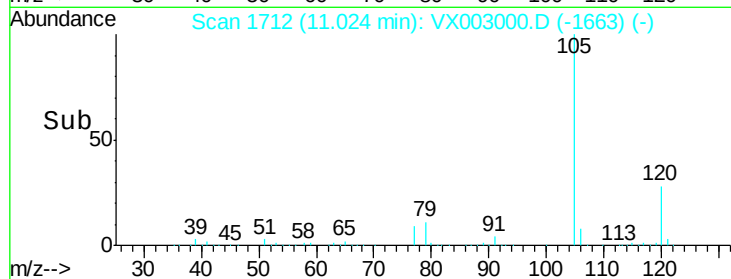
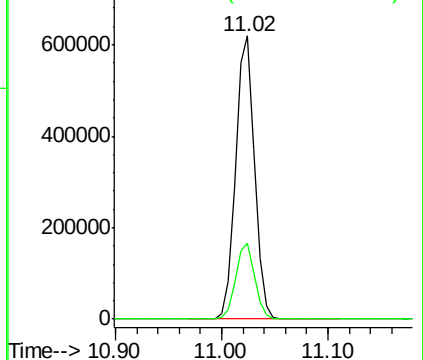
105 100

120 26.9 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: 50.46 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion: 43 Resp: 374499

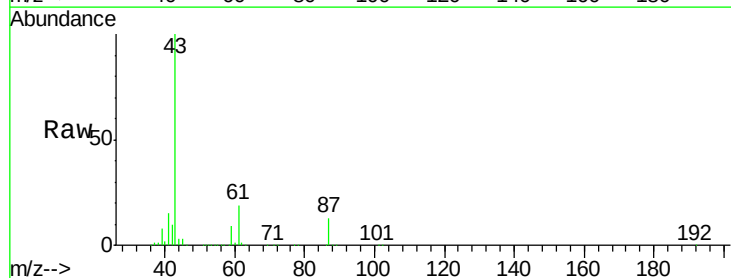
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.5 14.4 21.6

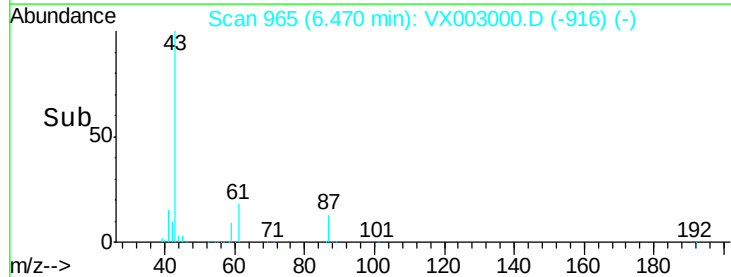
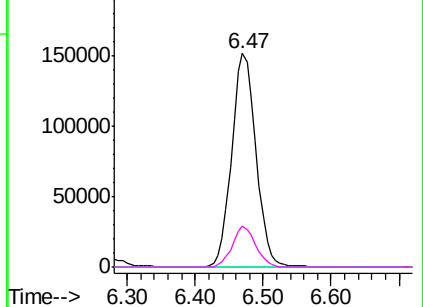


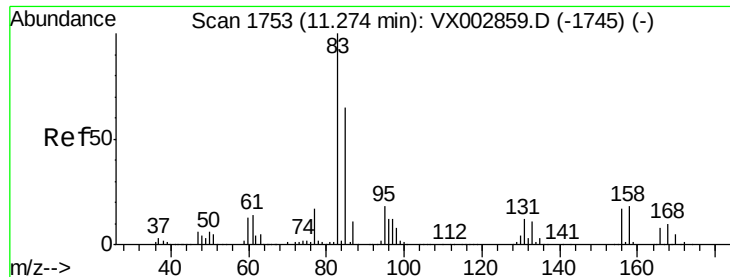
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.77 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

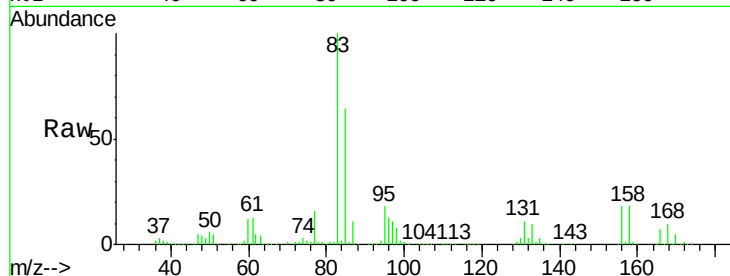
Tot Ion: 83 Resp: 241902

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

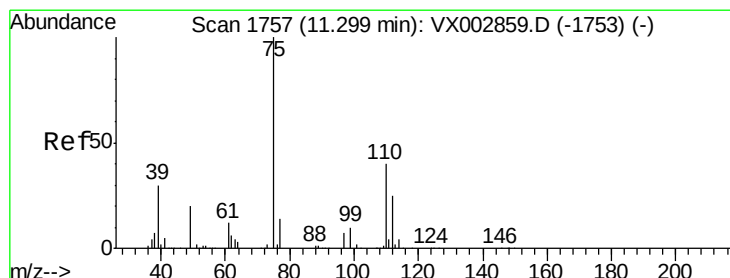
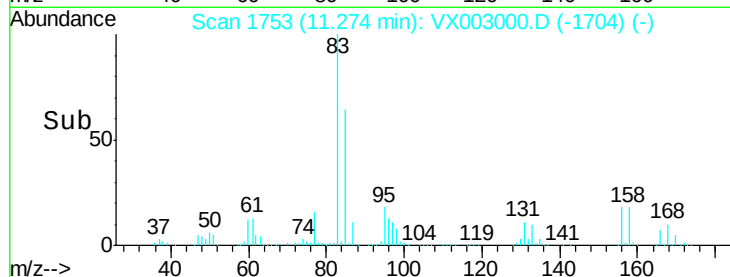
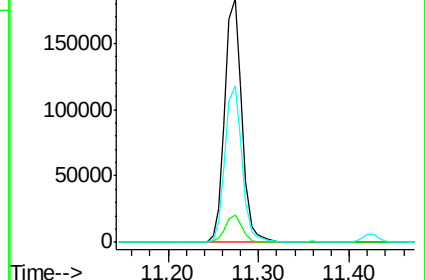
85 64.4 32.4 97.2



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: 65.93 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003000.D

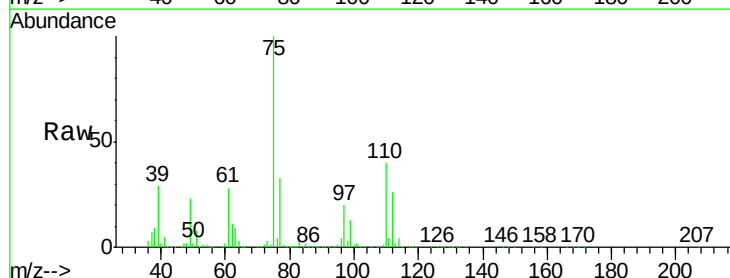
Acq: 28 Jun 2018 21:53

Tgt Ion: 75 Resp: 269291

Ion Ratio Lower Upper

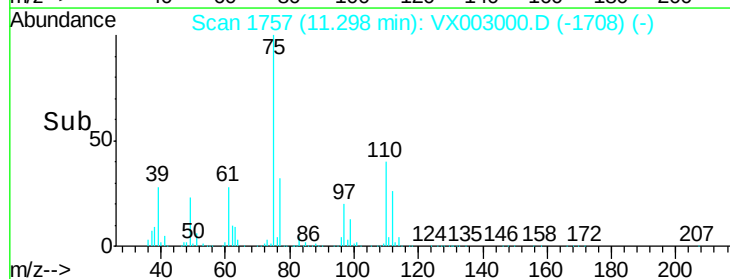
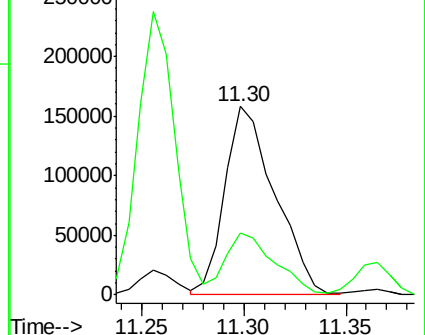
75 100

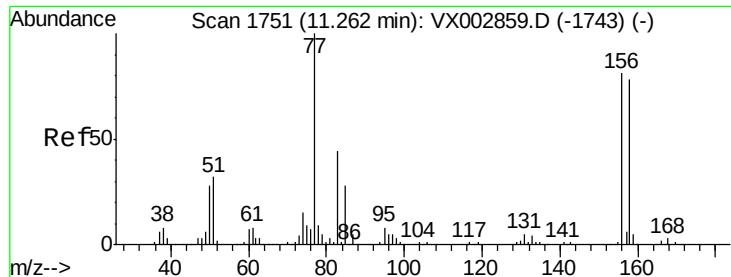
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.94 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

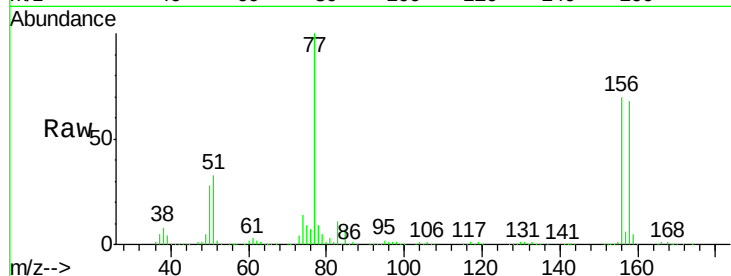
Tot Ion:156 Resp: 220068

Ion Ratio Lower Upper

156 100

77 136.0 71.4 214.2

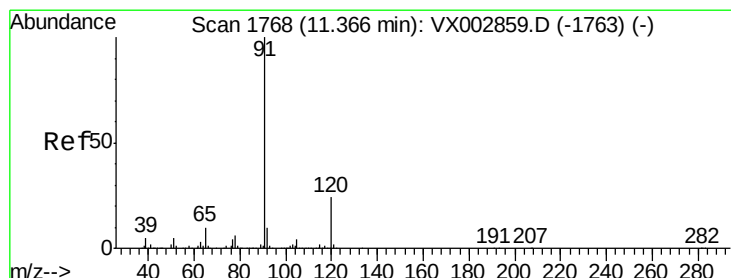
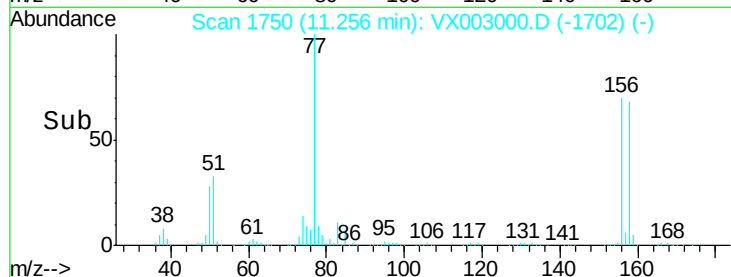
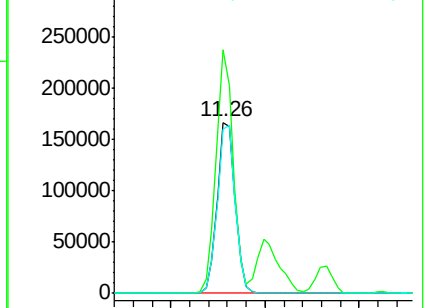
158 98.3 48.9 146.6



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: 50.05 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003000.D

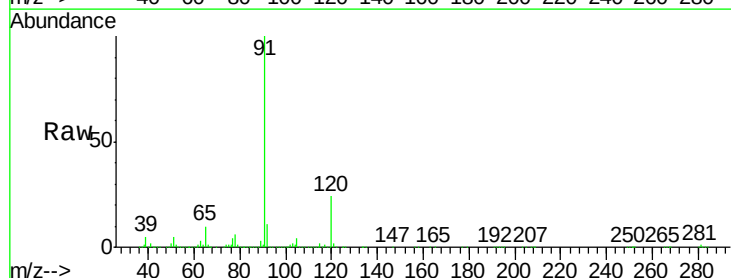
Acq: 28 Jun 2018 21:53

Tgt Ion: 91 Resp: 864240

Ion Ratio Lower Upper

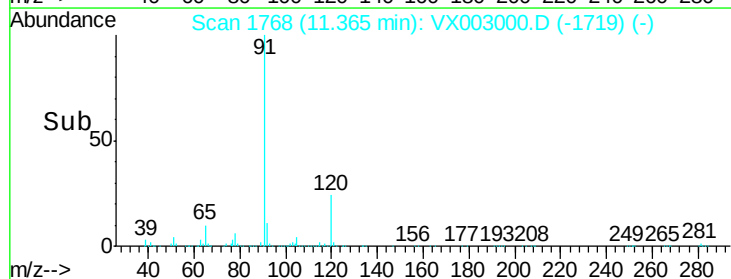
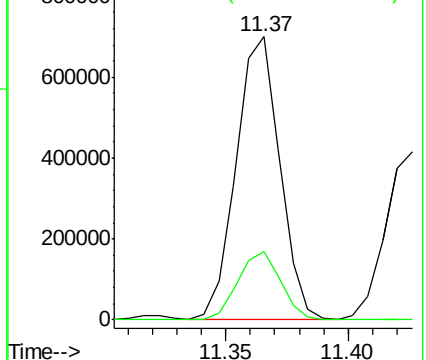
91 100

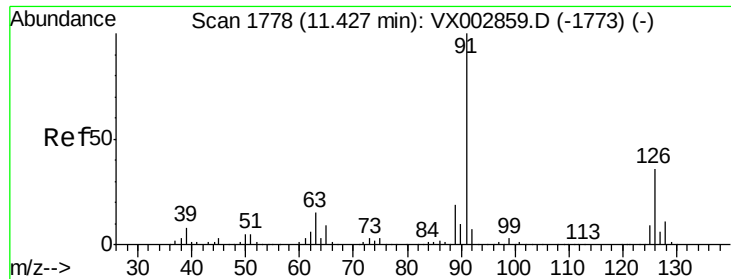
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

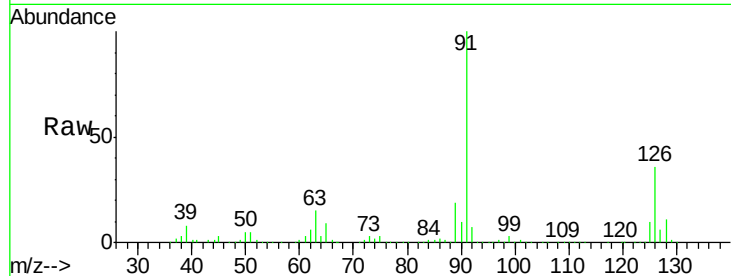
VSTDCCC050EC

Tot Ion: 91 Resp: 521285

Ion Ratio Lower Upper

91 100

126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)

800000

600000

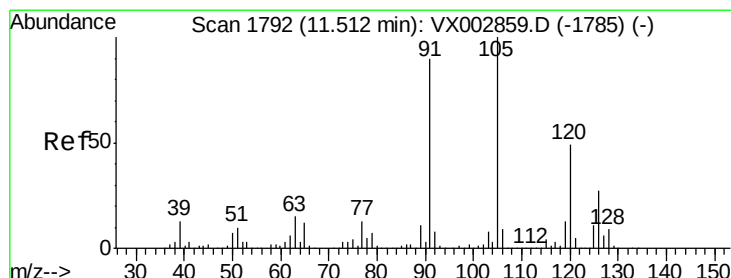
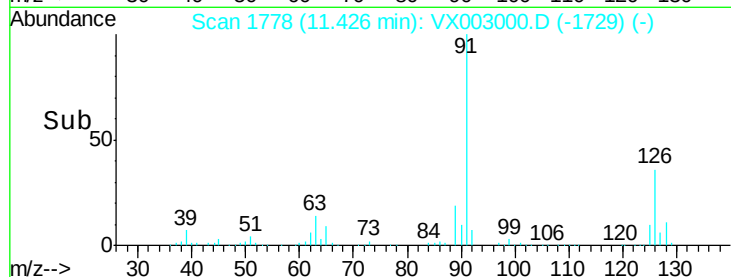
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.37 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003000.D

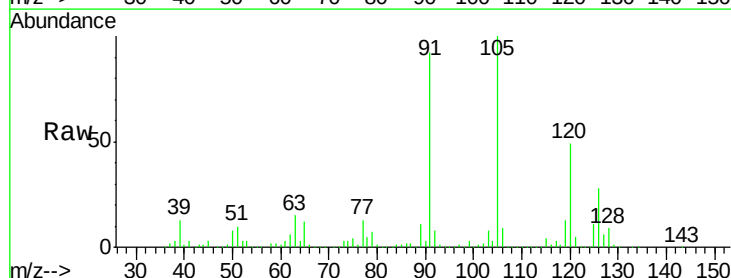
Acq: 28 Jun 2018 21:53

Tgt Ion: 105 Resp: 643473

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

600000

500000

400000

300000

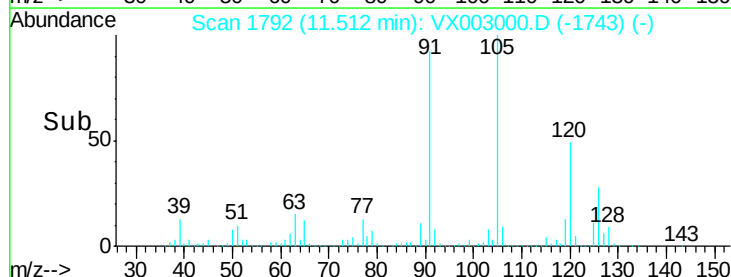
200000

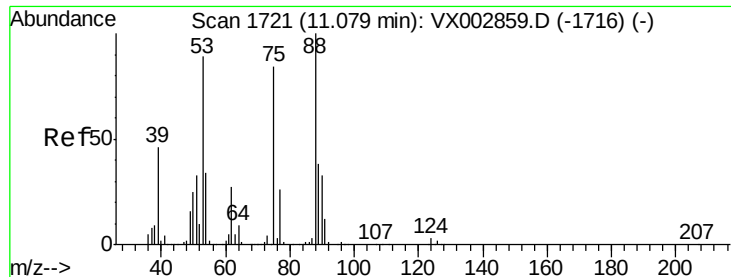
100000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.24 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

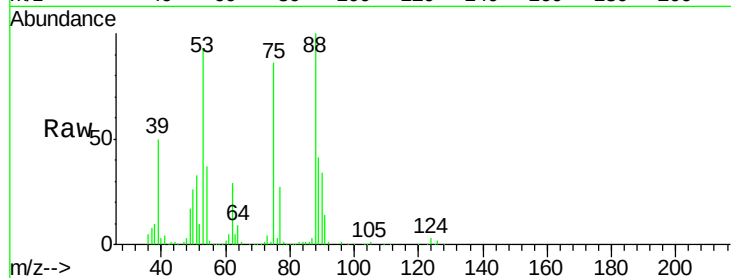
Tot Ion: 75 Resp: 58676

Ion Ratio Lower Upper

75 100

53 111.0 86.8 130.2

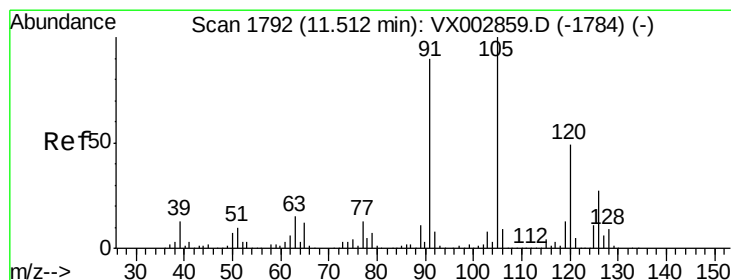
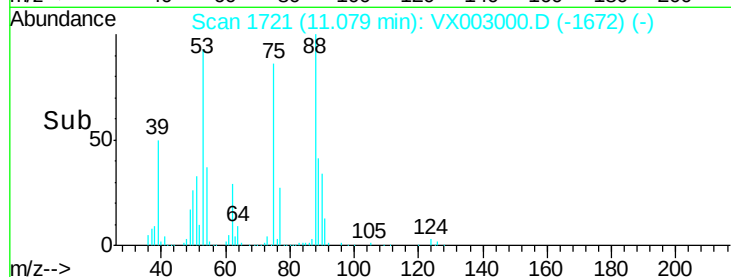
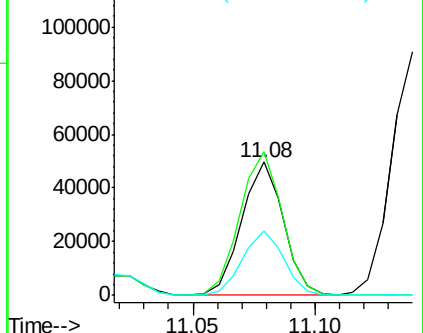
89 48.4 38.2 57.2



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: 49.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003000.D

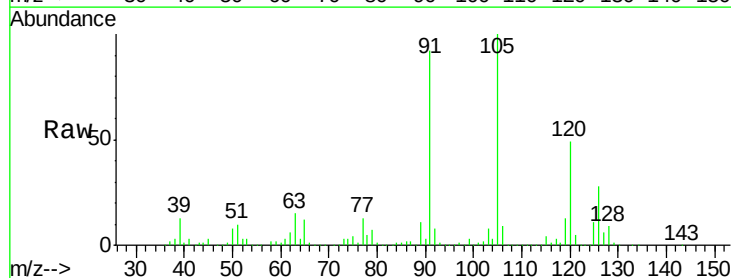
Acq: 28 Jun 2018 21:53

Tgt Ion: 91 Resp: 617378

Ion Ratio Lower Upper

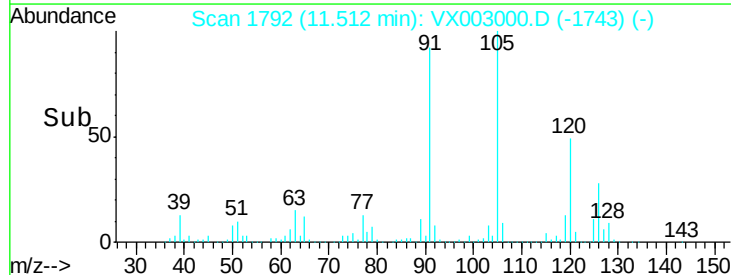
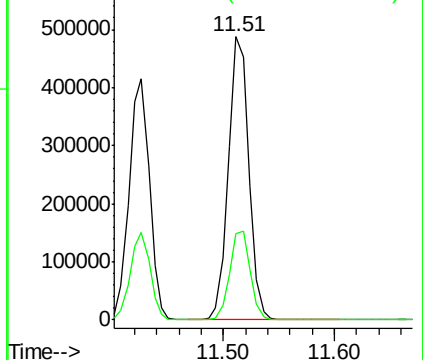
91 100

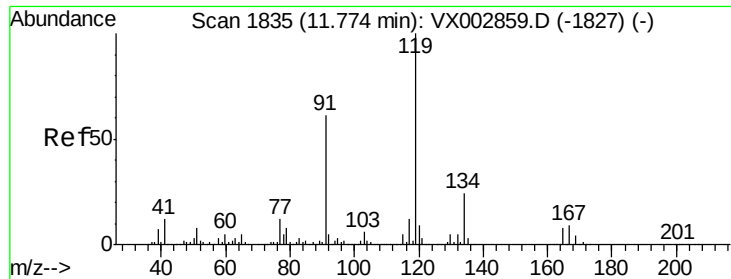
126 31.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

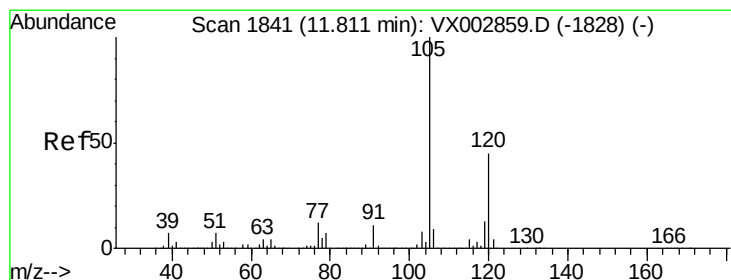
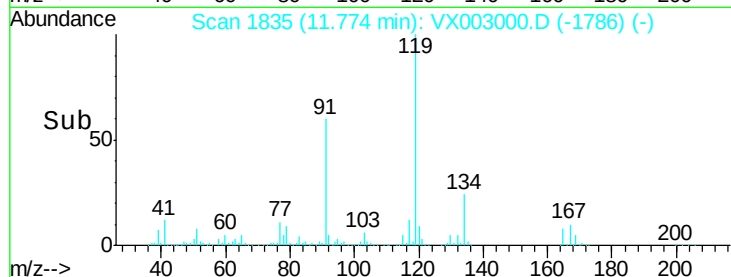
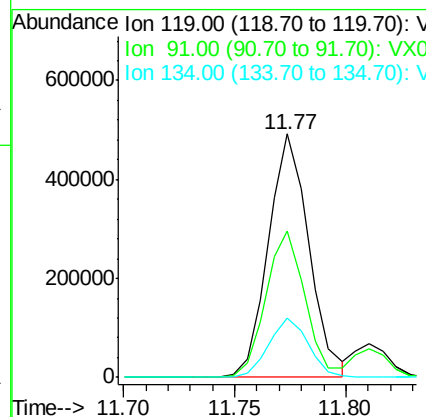
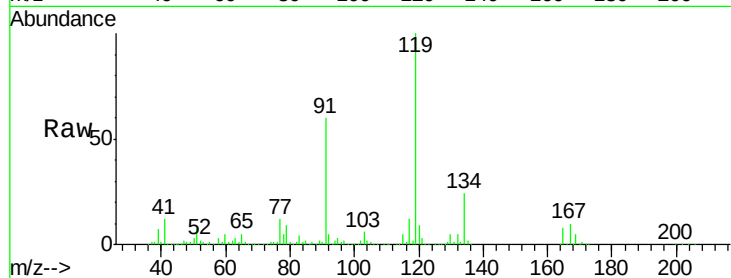




#83
 tert-Butylbenzene
 Concen: 49.45 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

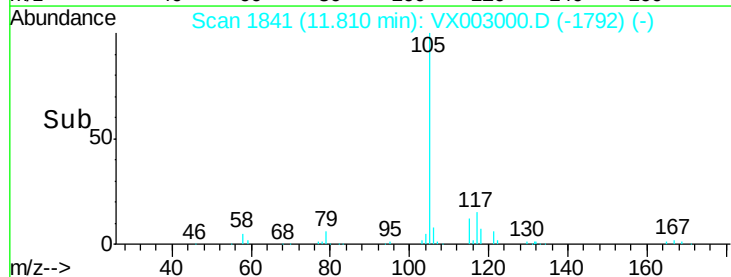
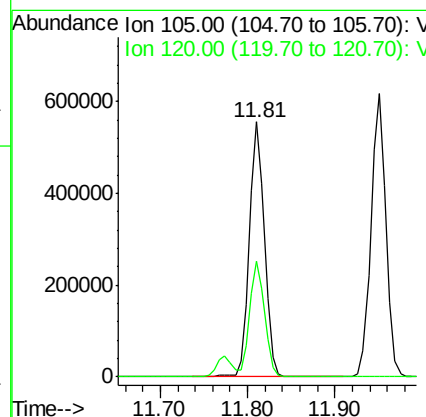
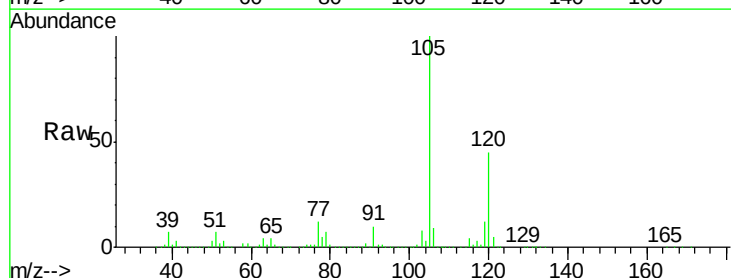
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

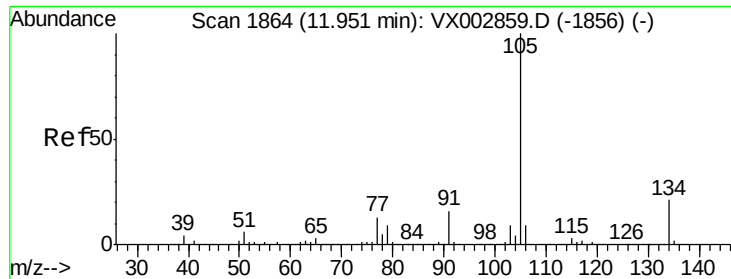
Tot Ion:119 Resp: 622657
 Ion Ratio Lower Upper
 119 100
 91 58.5 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.22 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion:105 Resp: 664733
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 48.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampled :

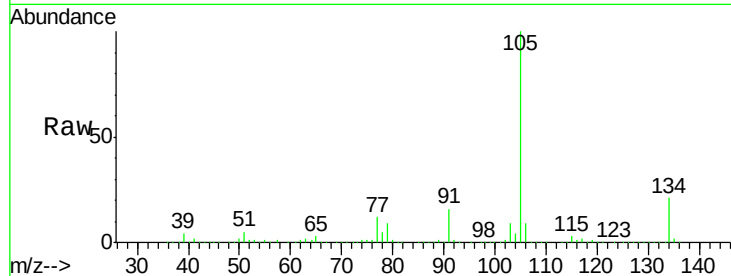
VSTDCCC050EC

Tot Ion:105 Resp: 737755

Ion Ratio Lower Upper

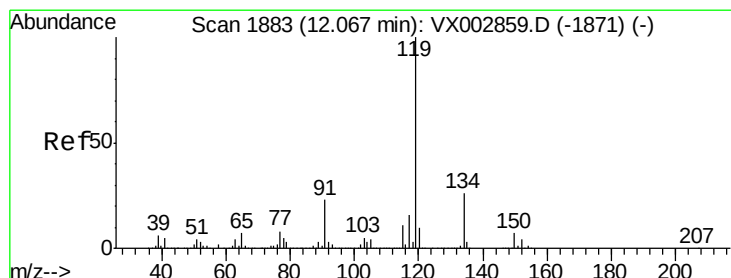
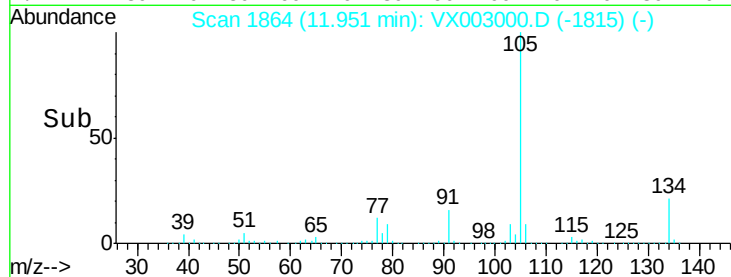
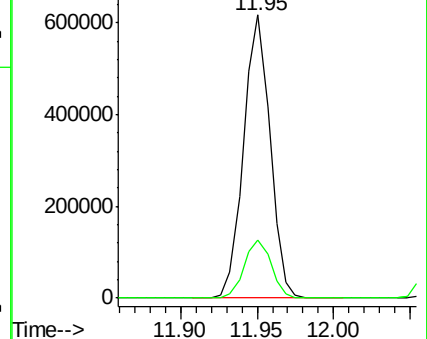
105 100

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: 49.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

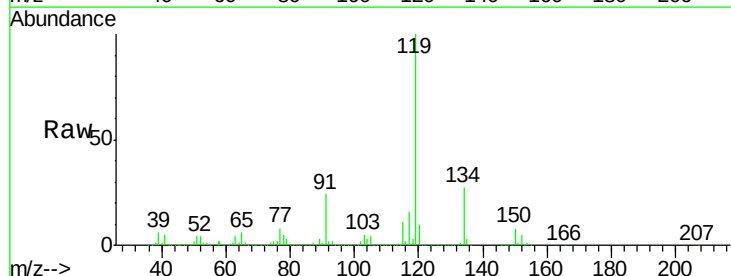
Tgt Ion:119 Resp: 674639

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

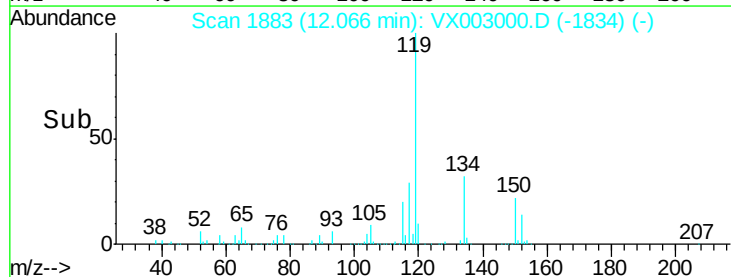
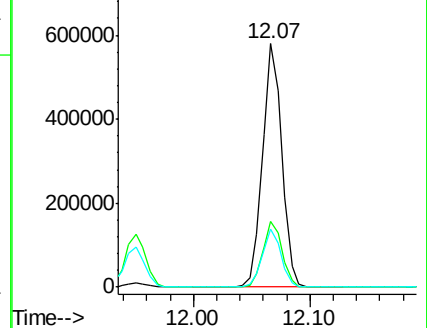
91 23.1 11.9 35.7

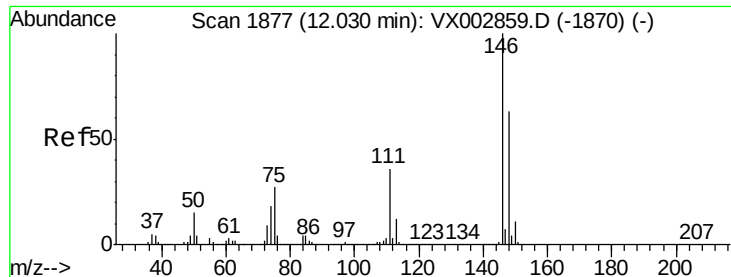


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 49.09 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

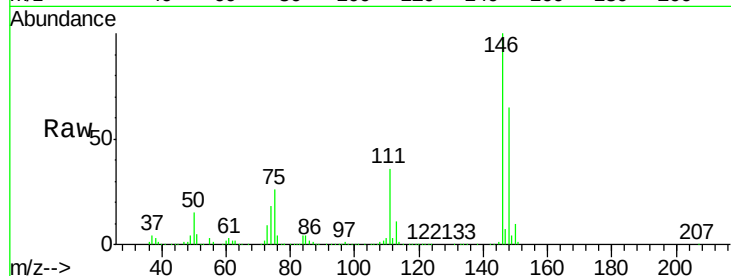
Tot Ion:146 Resp: 387276

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

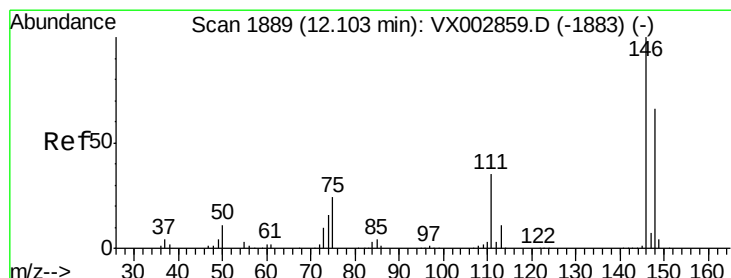
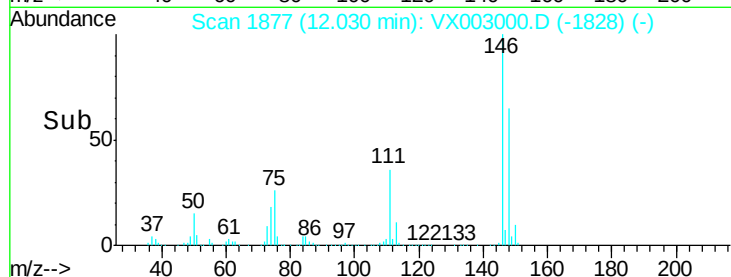
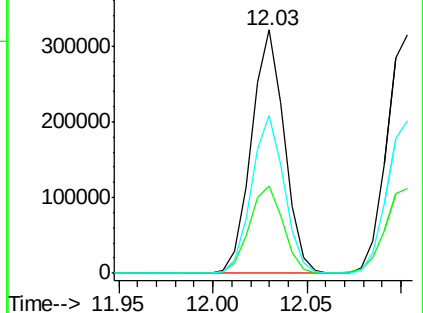
148 64.4 32.1 96.3



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: 48.43 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

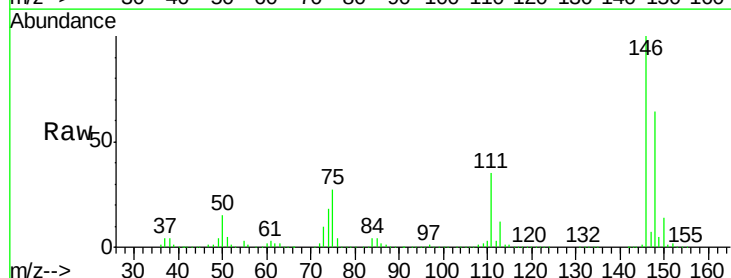
Tgt Ion:146 Resp: 393227

Ion Ratio Lower Upper

146 100

111 36.1 18.7 56.1

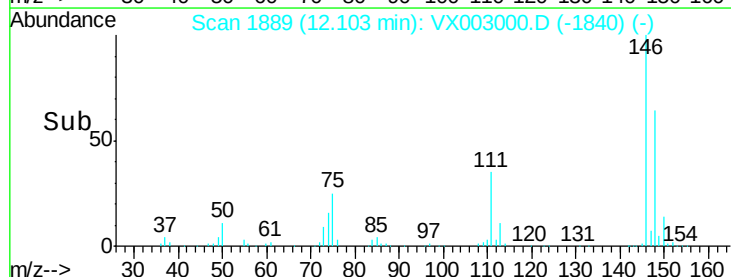
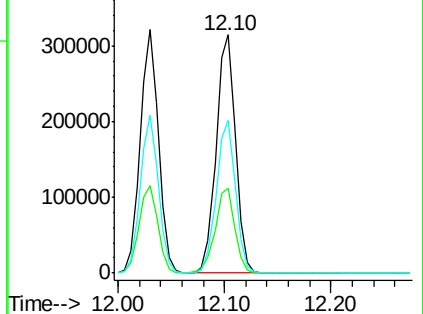
148 63.9 32.4 97.0

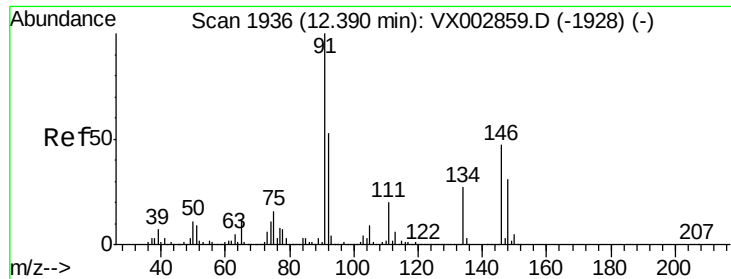


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.77 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

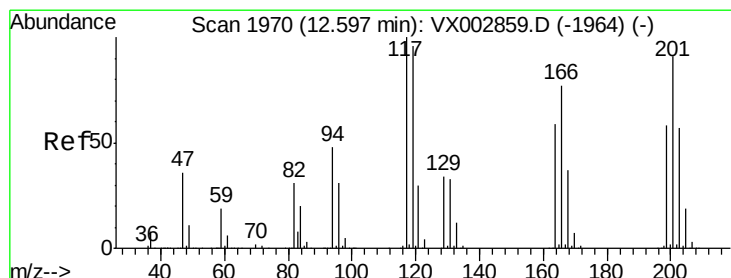
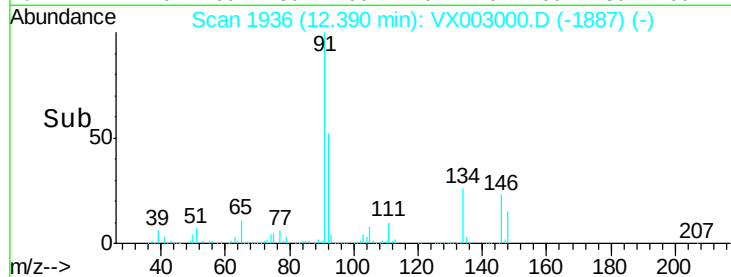
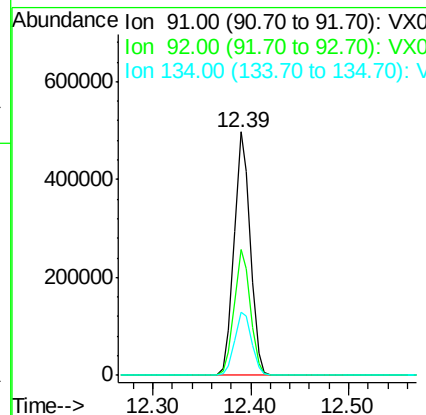
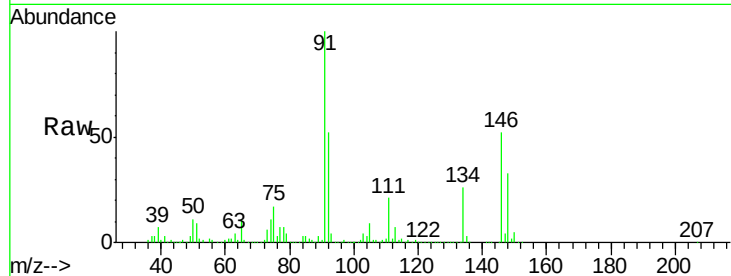
Tot Ion: 91 Resp: 570965

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

134 27.4 13.5 40.5



#90

Hexachloroethane

Concen: 46.98 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003000.D

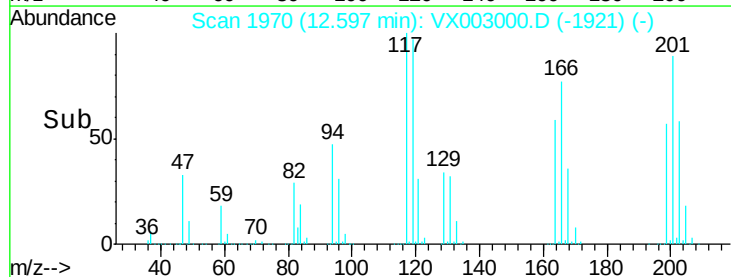
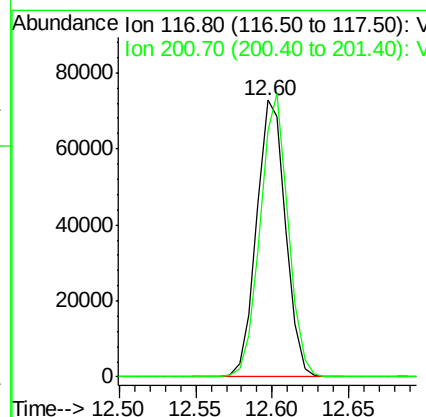
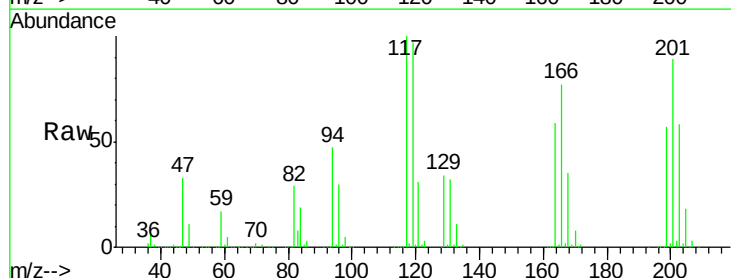
Acq: 28 Jun 2018 21:53

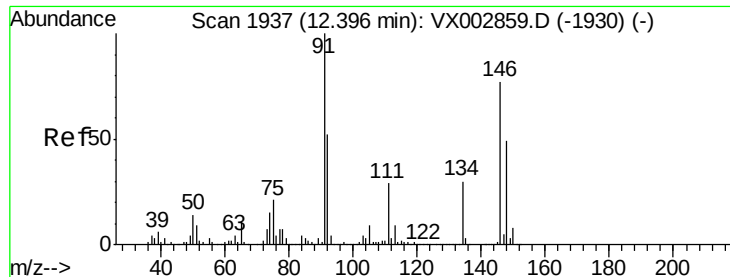
Tgt Ion: 117 Resp: 95968

Ion Ratio Lower Upper

117 100

201 98.2 49.0 147.0

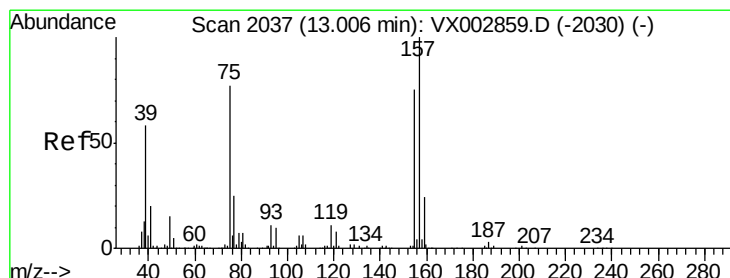
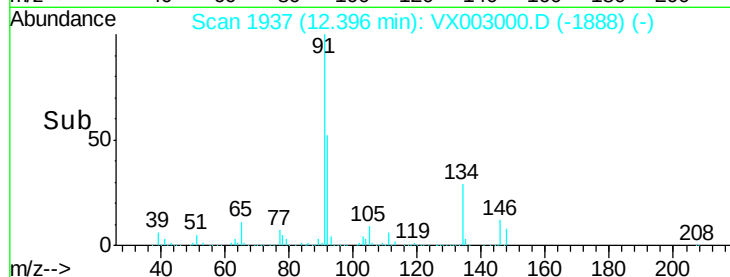
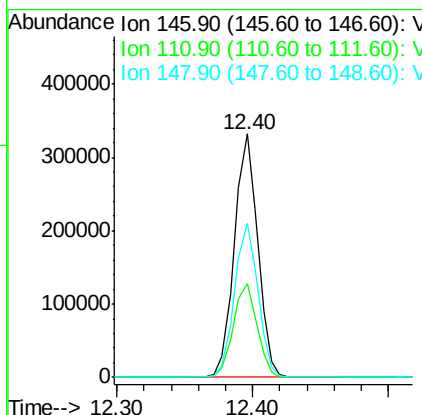
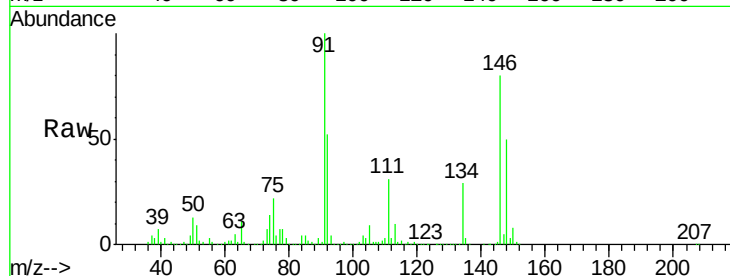




#91
 1,2-Dichlorobenzene
 Concen: 49.77 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

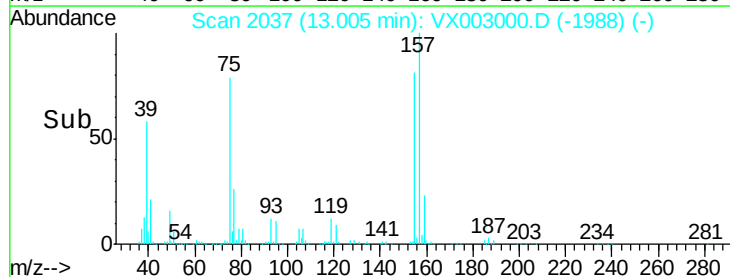
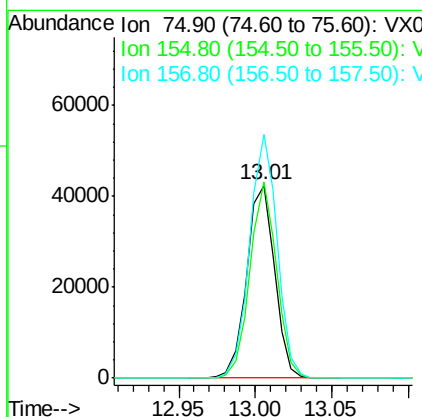
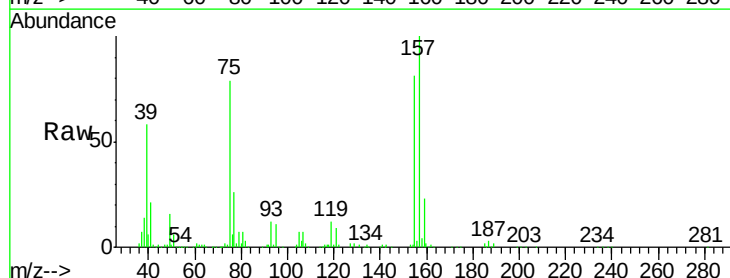
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

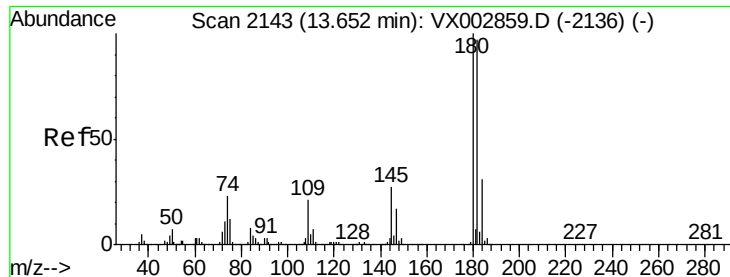
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	63.7	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.27 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	45.8	137.4
157	124.3	60.1	180.3

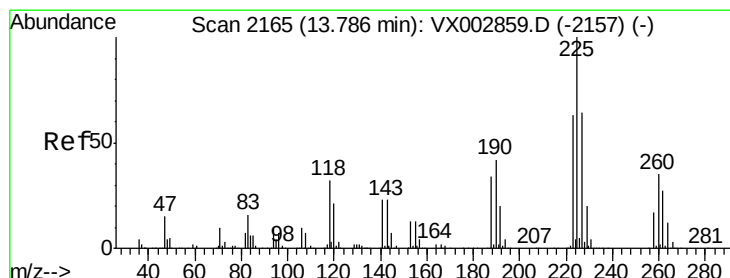
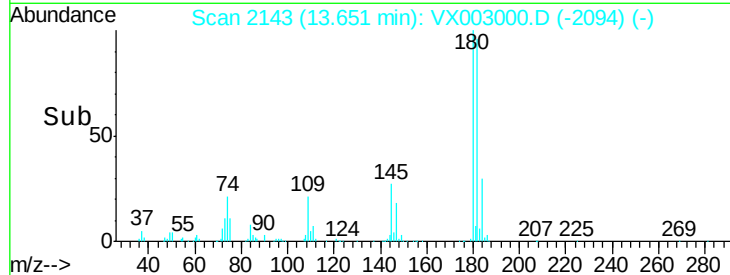
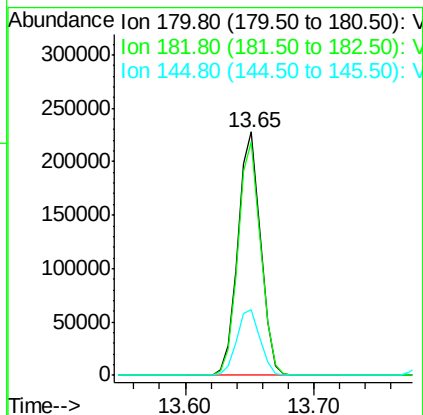
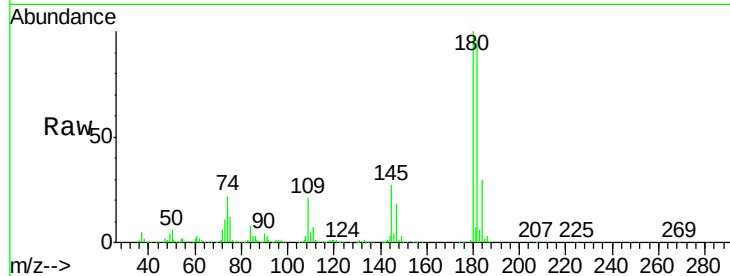




#93
 1,2,4-Trichlorobenzene
 Concen: 48.18 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

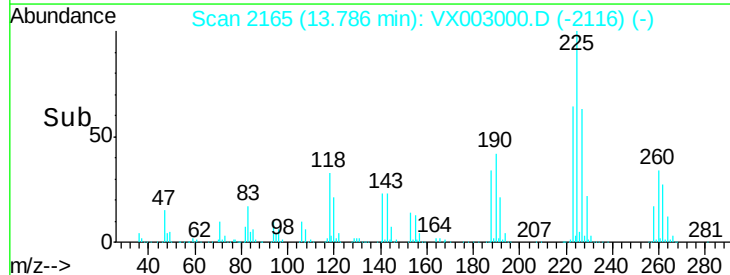
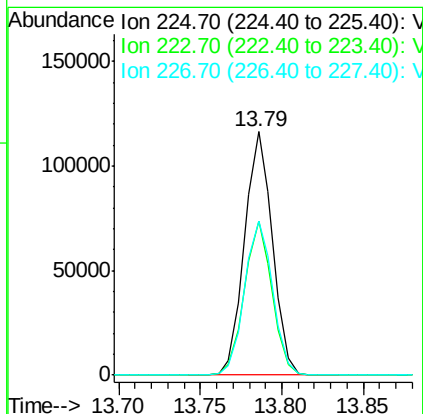
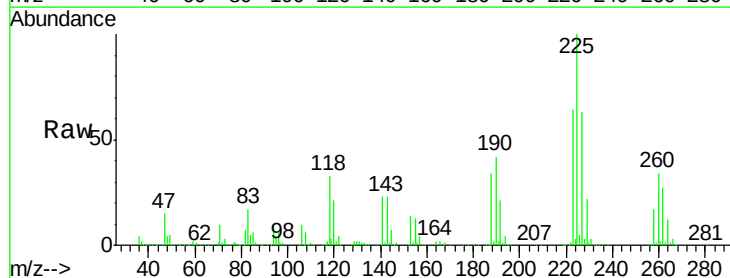
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

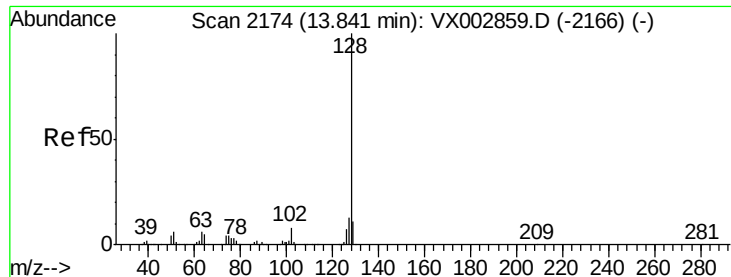
Tot Ion:180 Resp: 279216
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.7 143.1
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 48.07 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion:225 Resp: 138934
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 63.8 32.4 97.2





#95

Naphthalene

Concen: 54.03 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

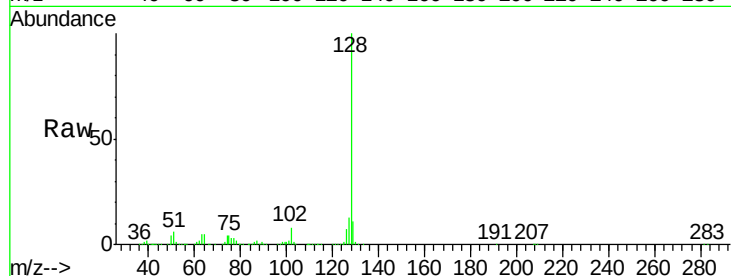
Tot Ion:128 Resp: 833965

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

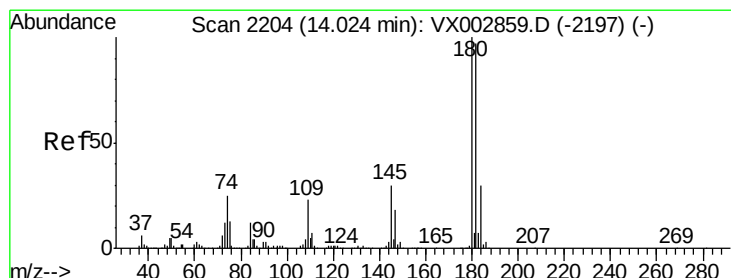
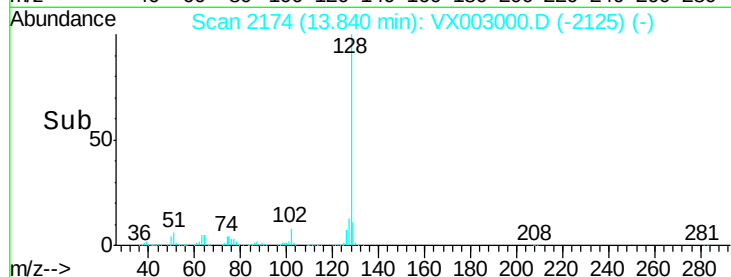
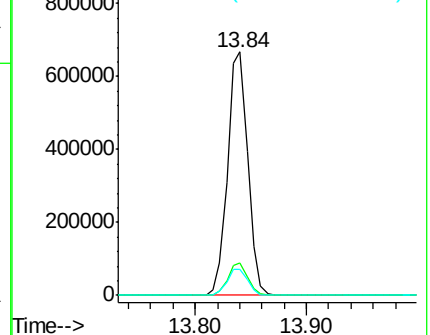
129 10.9 8.6 13.0



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: 49.19 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

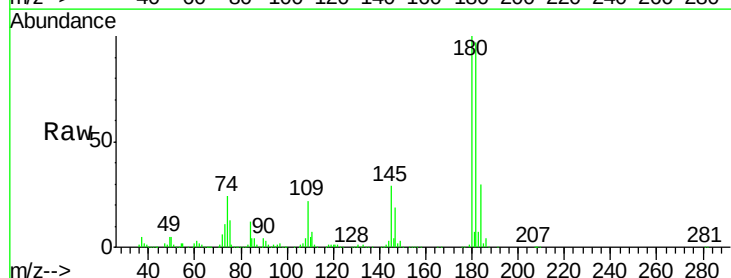
Tgt Ion:180 Resp: 284735

Ion Ratio Lower Upper

180 100

182 96.4 48.0 144.0

145 29.2 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

