

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003220.D
 Acq On : 06 Jul 2018 18:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 07 00:00:55 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	271353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208718	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	148995	39.73	ug/l	0.00
Spiked Amount			Recovery	=	79.46%	
35) Dibromofluoromethane	5.50	113	134226	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.72	98	442039	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
62) 4-Bromofluorobenzene	11.14	95	177670	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	125829	51.95	ug/l	100
3) Chloromethane	1.32	50	123500	49.07	ug/l	98
4) Vinyl Chloride	1.40	62	142446	46.42	ug/l	96
5) Bromomethane	1.64	94	76678	53.73	ug/l	98
6) Chloroethane	1.72	64	93563	52.05	ug/l	95
7) Trichlorofluoromethane	1.93	101	231289	44.68	ug/l	99
8) Diethyl Ether	2.19	74	87770	46.64	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141758	47.26	ug/l	96
10) Methyl Iodide	2.51	142	136327	45.46	ug/l	97
11) Tert butyl alcohol	3.07	59	155787	208.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	122620	45.82	ug/l	90
13) Acrolein	2.29	56	78344	190.17	ug/l	99
14) Allyl chloride	2.73	41	244262	46.30	ug/l	94
15) Acrylonitrile	3.15	53	367357	230.19	ug/l	99
16) Acetone	2.45	43	334138	215.12	ug/l	93
17) Carbon Disulfide	2.57	76	318801	44.71	ug/l	99
18) Methyl Acetate	2.78	43	186243	42.89	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	444126	46.16	ug/l	97
20) Methylene Chloride	2.86	84	144869	47.93	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	136042	46.67	ug/l	87
22) Diisopropyl ether	3.88	45	469483	46.56	ug/l	92
23) Vinyl Acetate	3.82	43	2007334	235.09	ug/l	98
24) 1,1-Dichloroethane	3.70	63	255013	46.53	ug/l	99
25) 2-Butanone	4.71	43	546228	236.96	ug/l	98
26) 2,2-Dichloropropane	4.58	77	227663	51.08	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161328	49.36	ug/l	92
28) Bromochloromethane	5.02	49	120645	45.99	ug/l	88
29) Tetrahydrofuran	5.17	42	346369	234.31	ug/l	96
30) Chloroform	5.21	83	276246	49.11	ug/l	93
31) Cyclohexane	5.57	56	223258	47.47	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	245779	49.66	ug/l	98
36) 1,1-Dichloropropene	5.80	75	198325	53.67	ug/l	99
37) Ethyl Acetate	4.86	43	210915	53.01	ug/l	98
38) Carbon Tetrachloride	5.78	117	218404	53.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225715	52.44	ug/l	95
40) Benzene	6.14	78	561611	52.31	ug/l	98
41) Methacrylonitrile	5.06	41	121261	52.93	ug/l	98
42) 1,2-Dichloroethane	6.20	62	206770	47.67	ug/l	99
43) Isopropyl Acetate	6.47	43	328935	49.30	ug/l	97
44) Trichloroethene	7.21	130	166917	52.14	ug/l	97
45) 1,2-Dichloropropane	7.52	63	147796	51.89	ug/l	99
46) Dibromomethane	7.67	93	99360	50.27	ug/l	94
47) Bromodichloromethane	7.90	83	192836	52.77	ug/l	98
48) Methyl methacrylate	7.78	41	169622	49.33	ug/l	94
49) 1,4-Dioxane	7.76	88	67440	1008.18	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1056233	253.00	ug/l	97
52) Toluene	8.79	92	361078	52.50	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	227398	54.95	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	211404	53.09	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	149378	52.85	ug/l	97
56) Ethyl methacrylate	9.18	69	221467	53.61	ug/l	92
57) 1,3-Dichloropropane	9.38	76	242583	52.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	513993	257.92	ug/l	96
59) 2-Hexanone	9.50	43	802814	253.02	ug/l	96
60) Dibromochloromethane	9.59	129	161898	54.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	157340	53.07	ug/l	100
64) Tetrachloroethene	9.34	164	184689	51.34	ug/l	98
65) Chlorobenzene	10.14	112	421251	51.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	157595	52.80	ug/l	100
67) Ethyl Benzene	10.26	91	707338	52.11	ug/l	99
68) m/p-Xylenes	10.36	106	556655	106.41	ug/l	97
69) o-Xylene	10.70	106	268261	52.66	ug/l	98
70) Styrene	10.71	104	452148	54.63	ug/l	98
71) Bromoform	10.86	173	129214	48.07	ug/l	99
73) Isopropylbenzene	11.02	105	740984	52.77	ug/l	100
74) N-amyl acetate	6.47	43	328935	47.88	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	219547	50.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	250668	66.30	ug/l	80
77) Bromobenzene	11.26	156	205157	51.31	ug/l	95
78) n-propylbenzene	11.36	91	837616	52.41	ug/l	98
79) 2-Chlorotoluene	11.42	91	489941	50.63	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	616801	52.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61419	47.33	ug/l	94
82) 4-Chlorotoluene	11.51	91	582876	50.88	ug/l	98
83) tert-Butylbenzene	11.77	119	618336	53.05	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	638584	52.12	ug/l	98
85) sec-Butylbenzene	11.95	105	743618	52.59	ug/l	99
86) p-Isopropyltoluene	12.07	119	683251	53.75	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	377832	51.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380044	50.57	ug/l	99
89) n-Butylbenzene	12.39	91	580651	52.48	ug/l	98
90) Hexachloroethane	12.60	117	100442	53.12	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	375938	51.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47263	48.61	ug/l	93

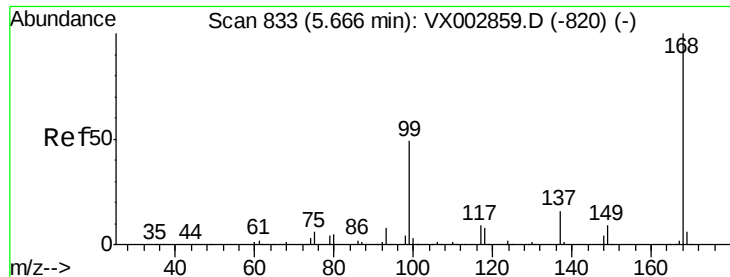
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	289701	54.00	ug/l	100
94) Hexachlorobutadiene	13.79	225	148505	55.51	ug/l	100
95) Naphthalene	13.84	128	775949	54.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	304103	56.76	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

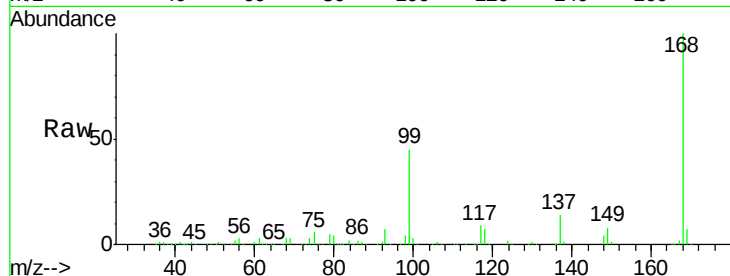
VSTDCCC050

Tot Ion:168 Resp: 271353

Ion Ratio Lower Upper

168 100

99 45.3 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

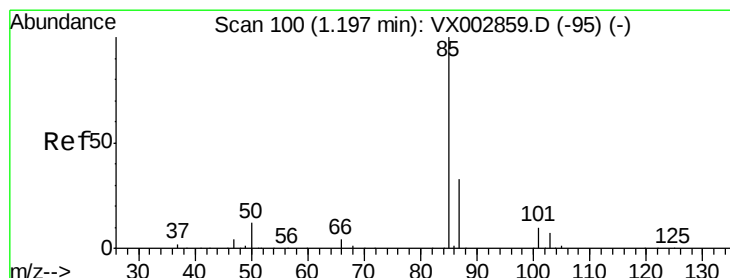
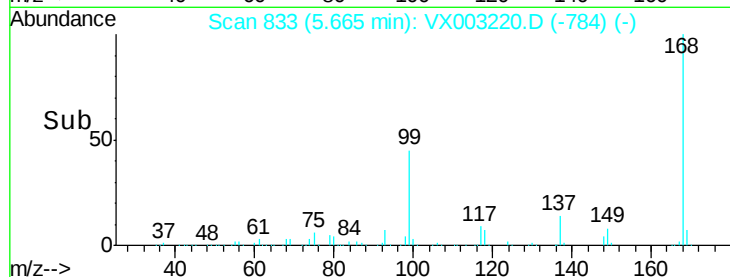
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 51.95 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003220.D

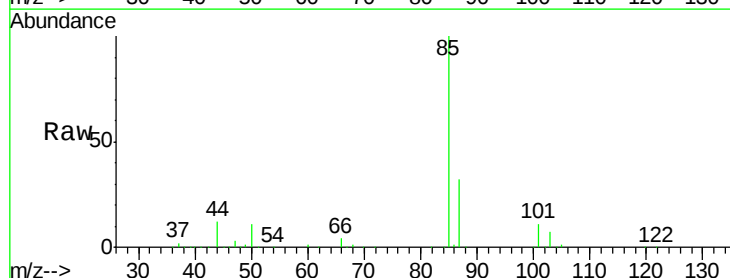
Acq: 06 Jul 2018 18:08

Tgt Ion: 85 Resp: 125829

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

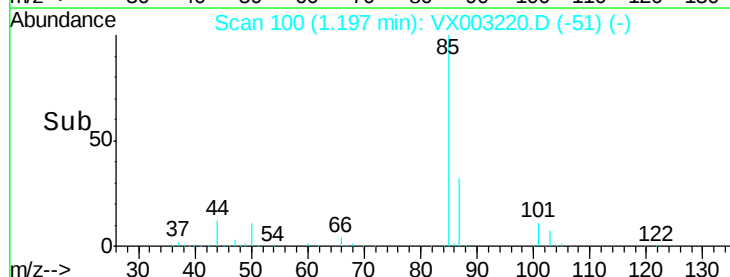
100000

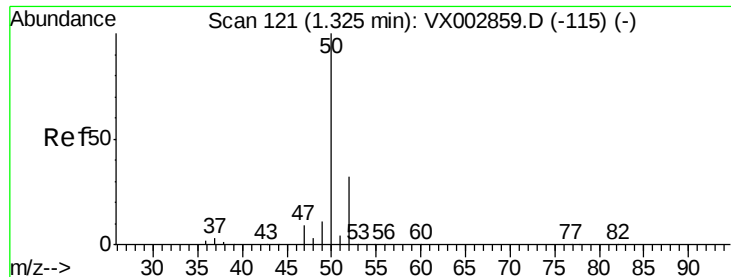
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 49.07 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

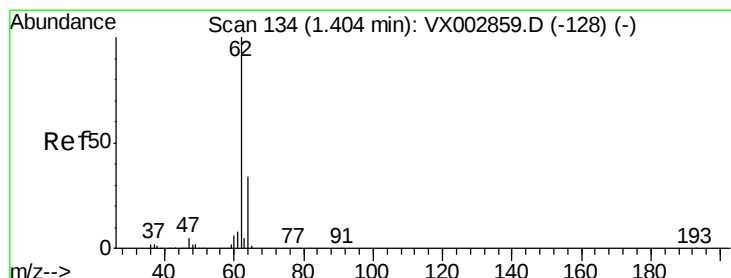
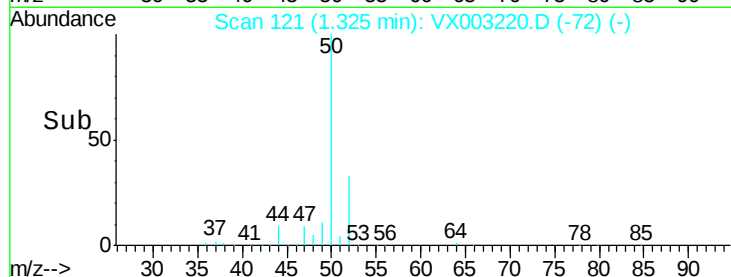
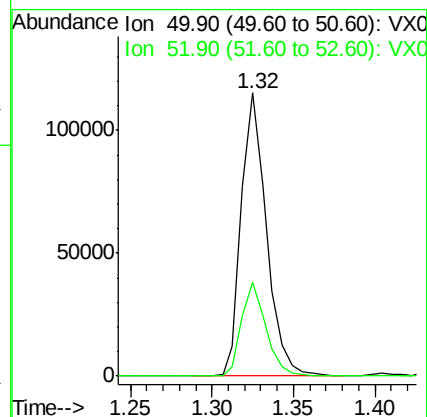
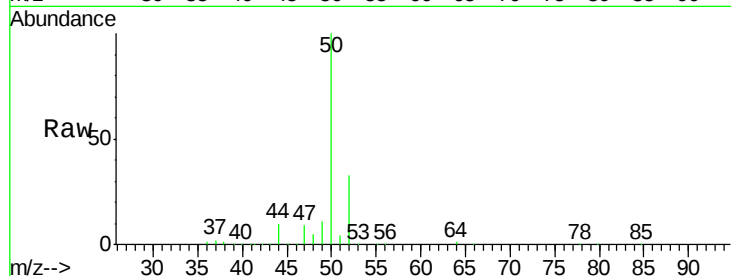
VSTDCCC050

Tot Ion: 50 Resp: 123500

Ion Ratio Lower Upper

50 100

52 33.2 25.7 38.5



#4

Vinyl Chloride

Concen: 46.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003220.D

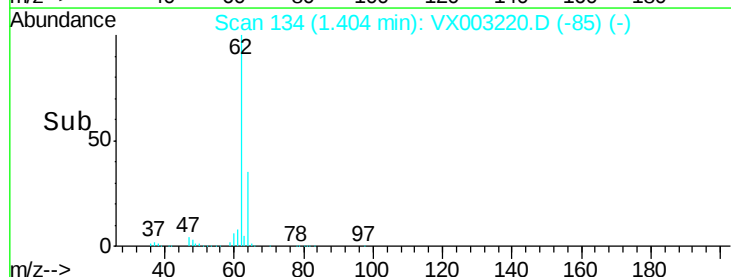
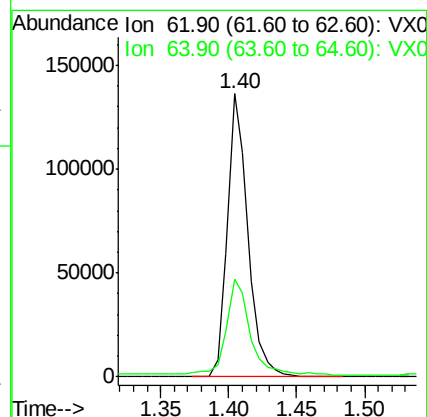
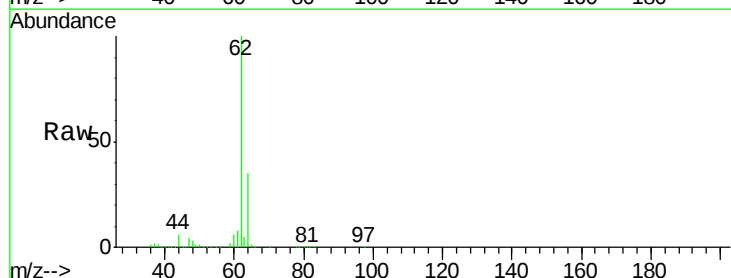
Acq: 06 Jul 2018 18:08

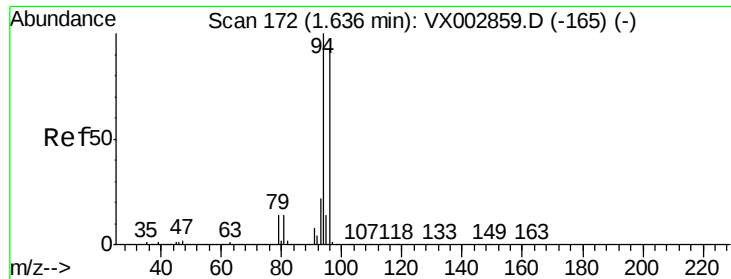
Tgt Ion: 62 Resp: 142446

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.2





#5

Bromomethane

Concen: 53.73 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

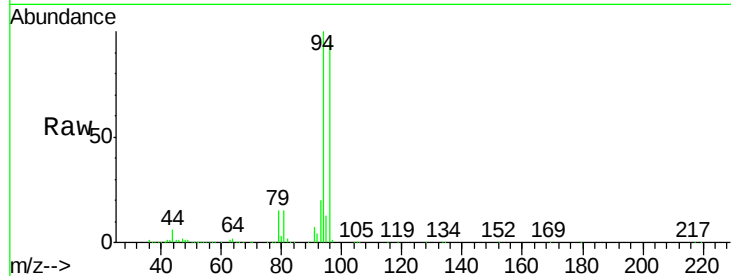
VSTDCCC050

Tot Ion: 94 Resp: 76678

Ion Ratio Lower Upper

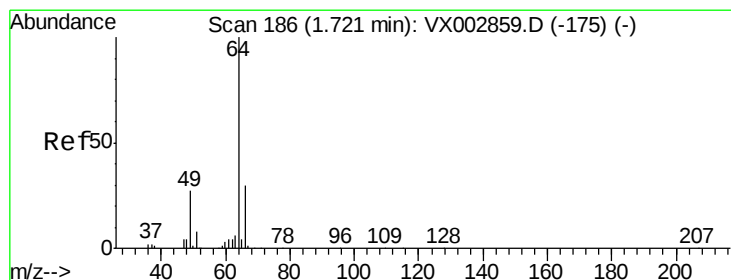
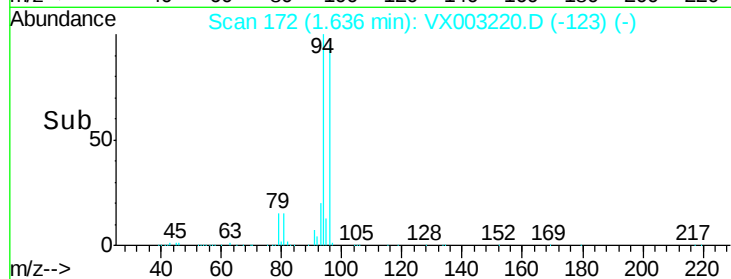
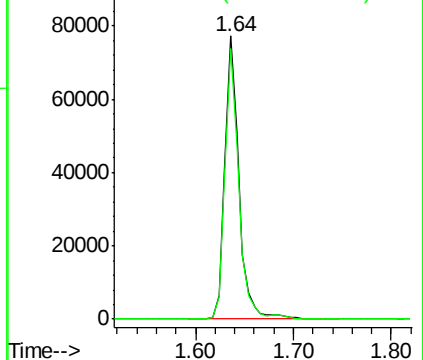
94 100

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: 52.05 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003220.D

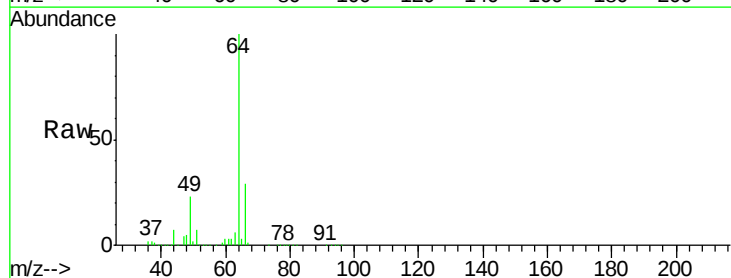
Acq: 06 Jul 2018 18:08

Tgt Ion: 64 Resp: 93563

Ion Ratio Lower Upper

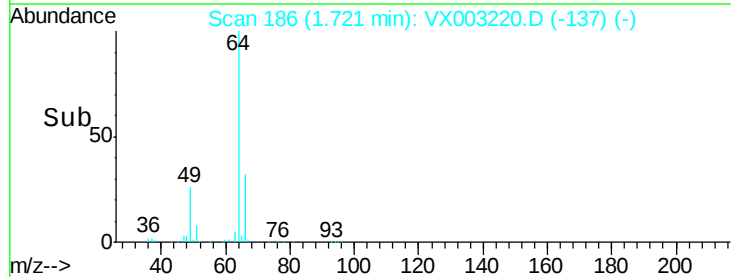
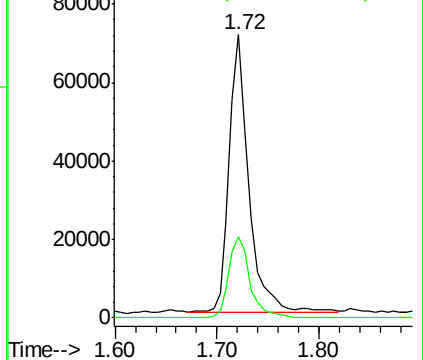
64 100

66 29.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 44.68 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

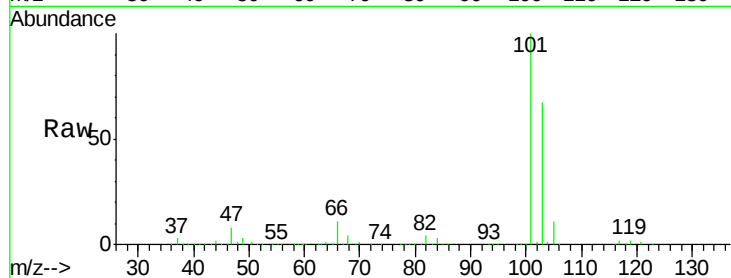
VSTDCCC050

Tot Ion:101 Resp: 231289

Ion Ratio Lower Upper

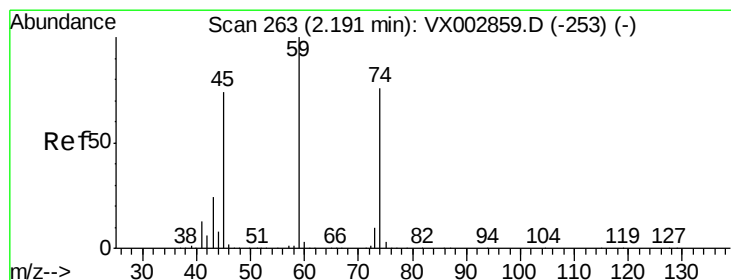
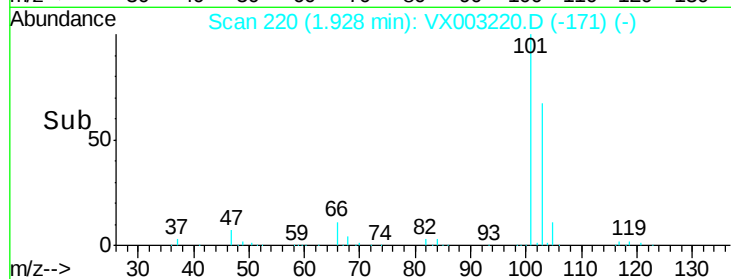
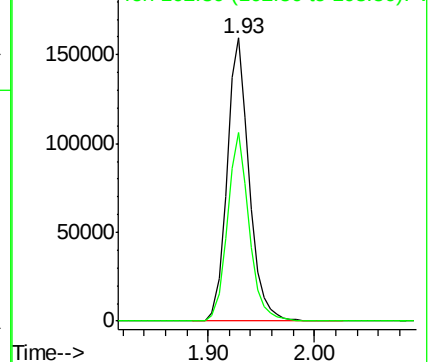
101 100

103 66.7 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: 46.64 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003220.D

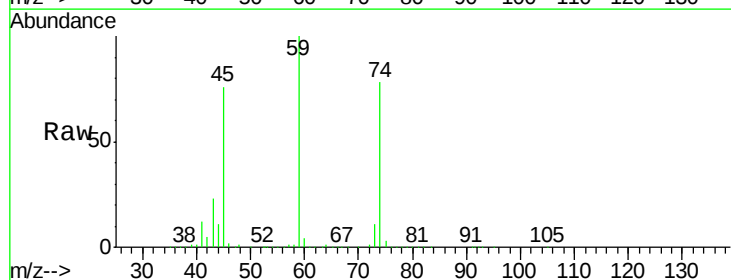
Acq: 06 Jul 2018 18:08

Tgt Ion: 74 Resp: 87770

Ion Ratio Lower Upper

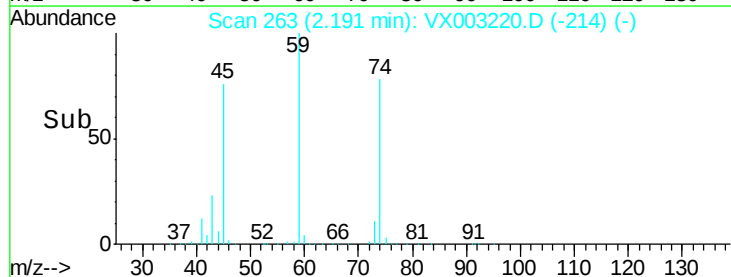
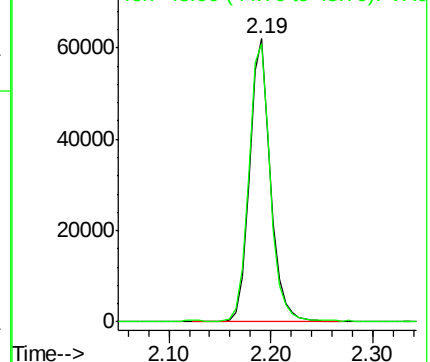
74 100

45 99.9 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: 47.26 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

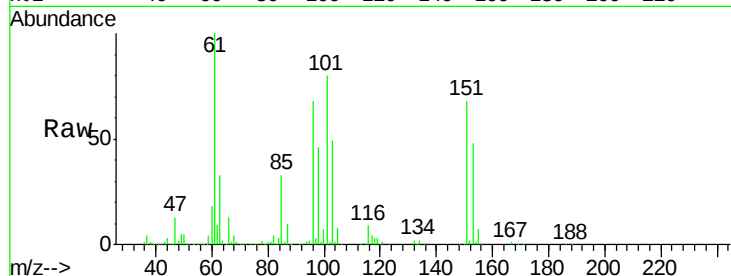
Tot Ion:101 Resp: 141758

Ion Ratio Lower Upper

101 100

85 42.5 36.0 54.0

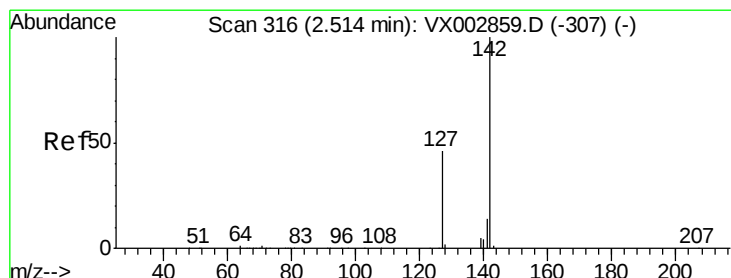
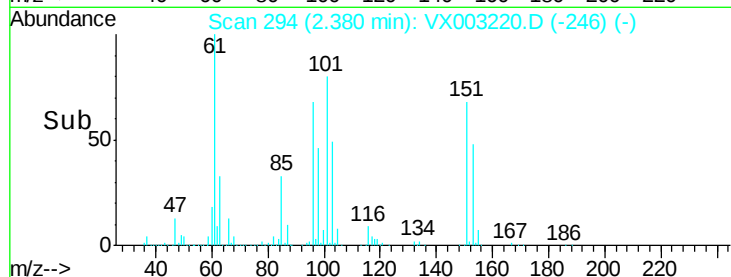
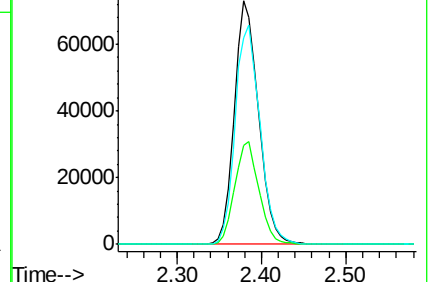
151 92.4 70.9 106.3



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: 45.46 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

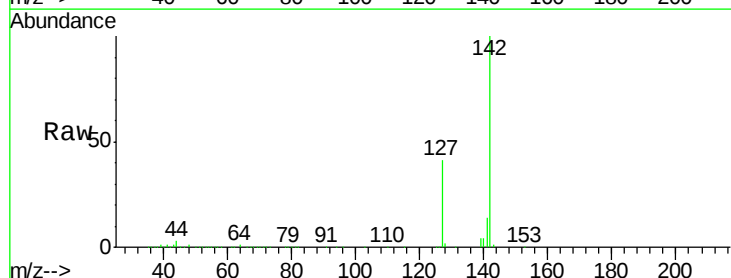
Tgt Ion:142 Resp: 136327

Ion Ratio Lower Upper

142 100

127 43.8 36.6 55.0

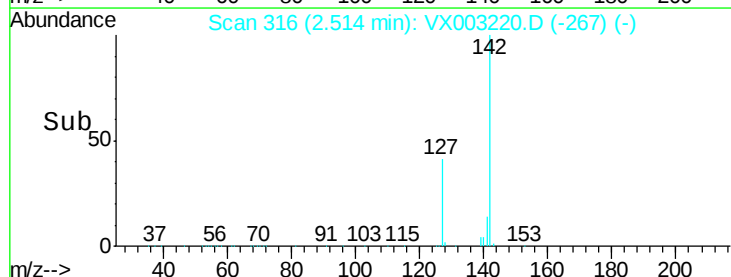
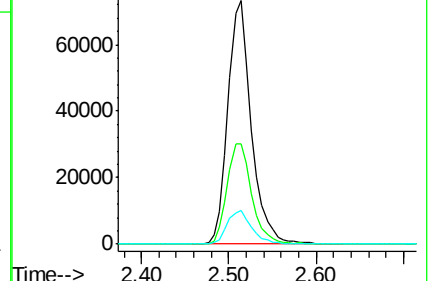
141 14.4 11.3 16.9

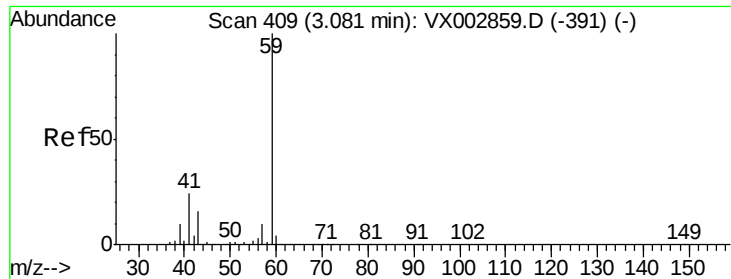


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



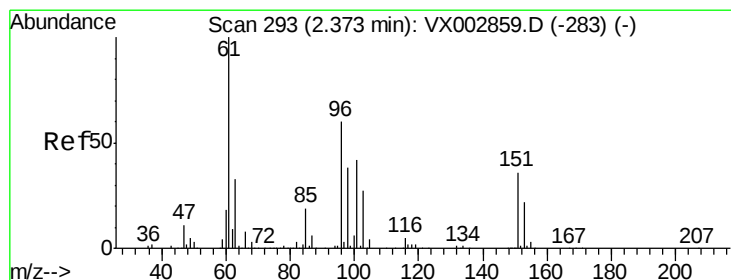
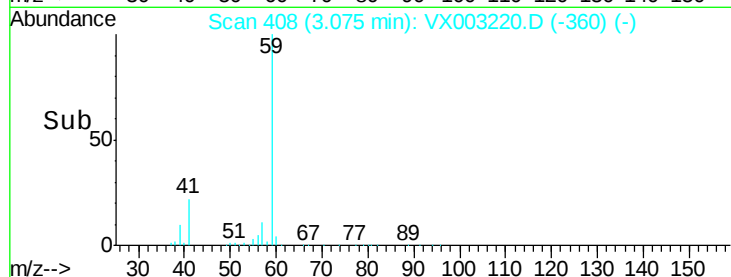
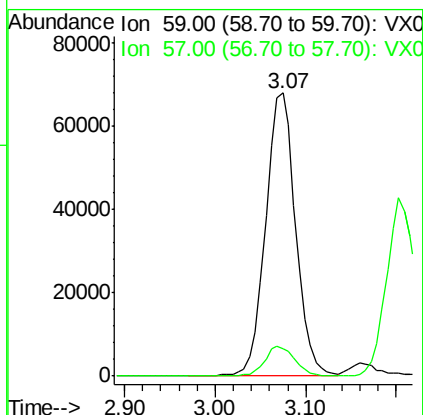
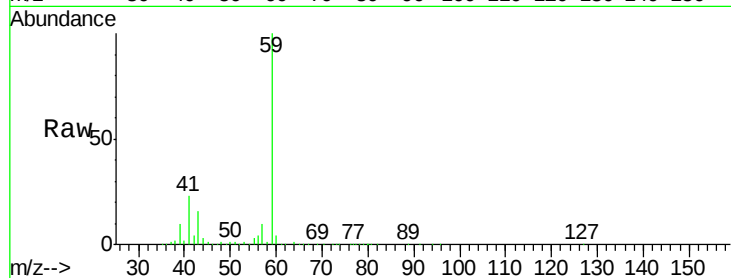


#11

Tert butyl alcohol
Concen: 208.51 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

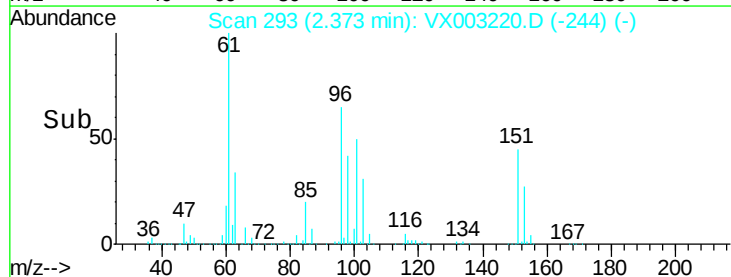
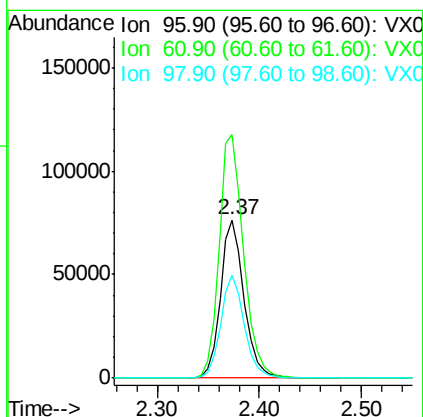
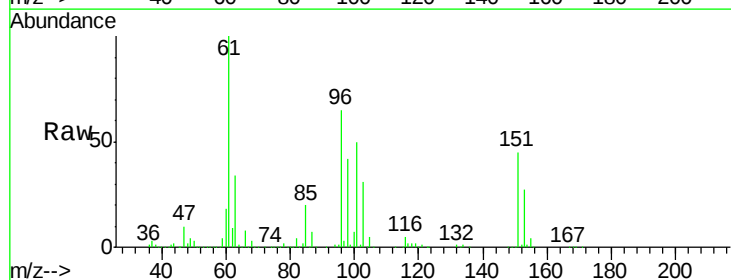
Tot Ion: 59 Resp: 155787
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12

1,1-Dichloroethene
Concen: 45.82 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 96 Resp: 122620
Ion Ratio Lower Upper
96 100
61 154.3 137.9 206.9
98 65.5 51.6 77.4





#13

Acrolein

Concen: 190.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

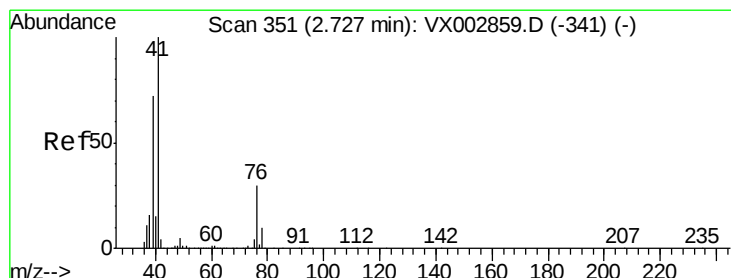
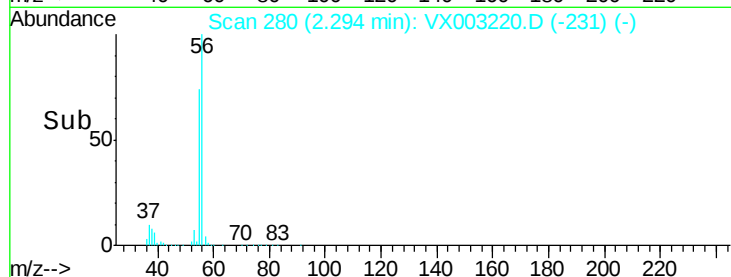
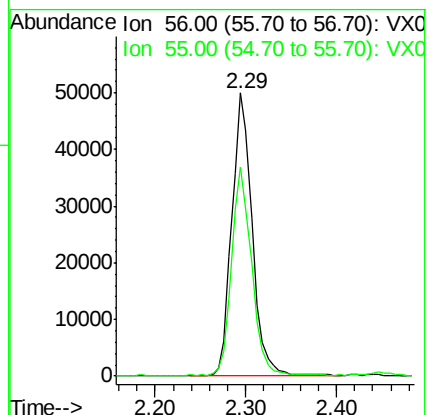
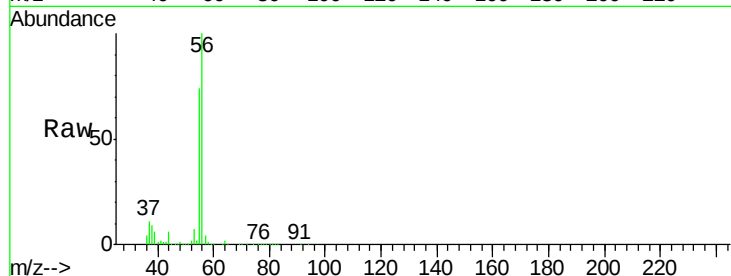
VSTDCCC050

Tot Ion: 56 Resp: 78344

Ion Ratio Lower Upper

56 100

55 72.1 57.0 85.4



#14

Allyl chloride

Concen: 46.30 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

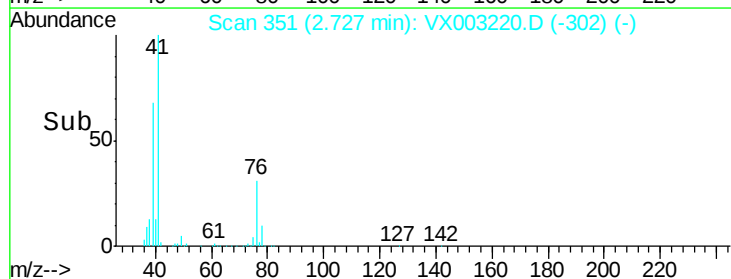
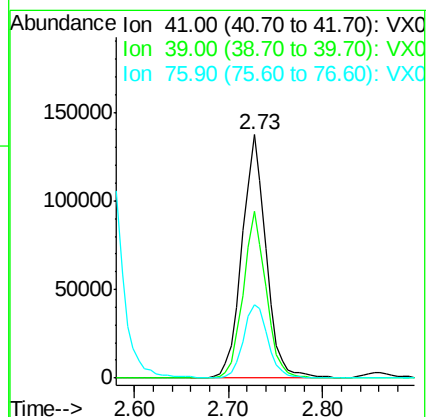
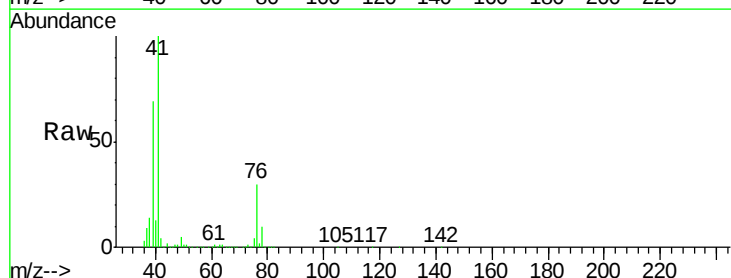
Tgt Ion: 41 Resp: 244262

Ion Ratio Lower Upper

41 100

39 65.2 56.8 85.2

76 31.1 23.8 35.8





#15

Acrylonitrile

Concen: 230.19 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

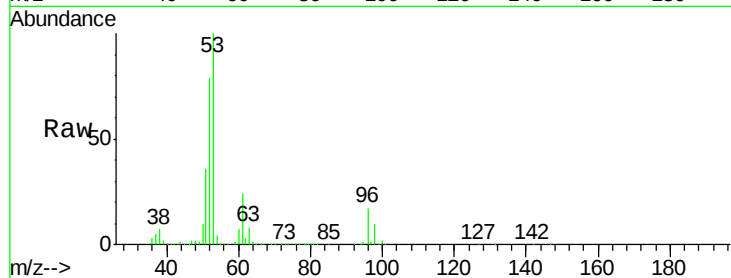
Tot Ion: 53 Resp: 367357

Ion Ratio Lower Upper

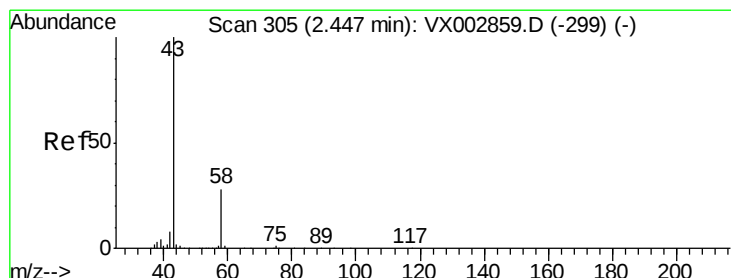
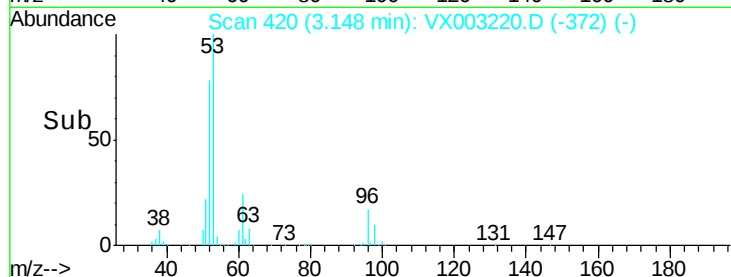
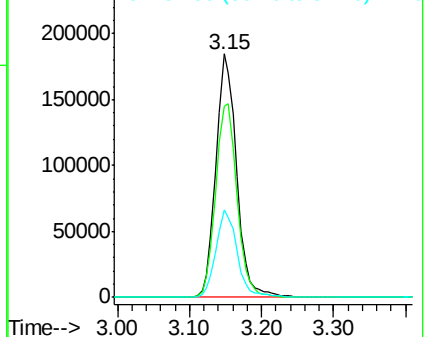
53 100

52 82.4 66.7 100.1

51 36.7 29.9 44.9



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



#16

Acetone

Concen: 215.12 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003220.D

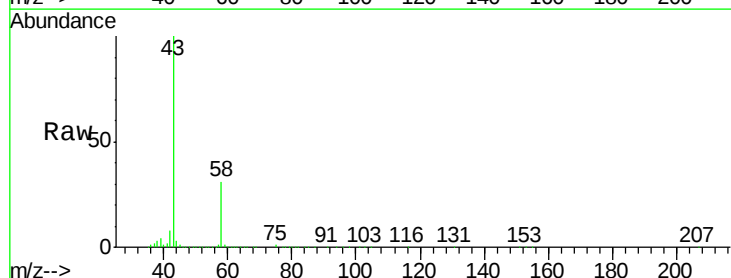
Acq: 06 Jul 2018 18:08

Tgt Ion: 43 Resp: 334138

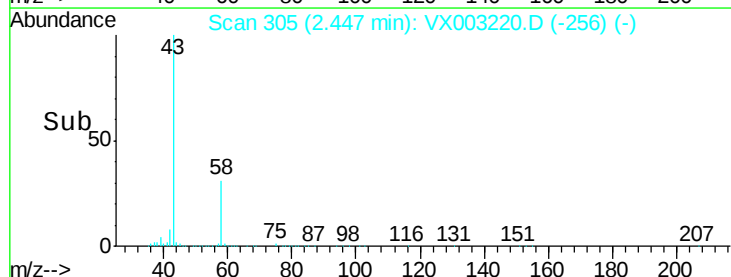
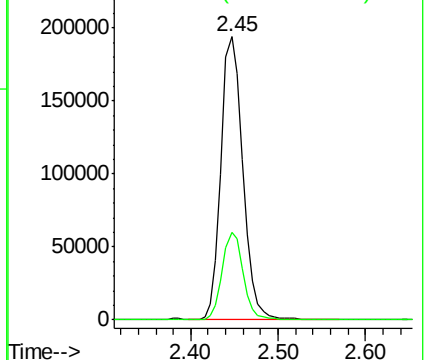
Ion Ratio Lower Upper

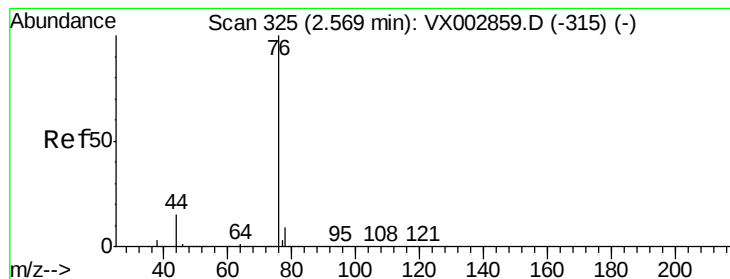
43 100

58 31.1 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: 44.71 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

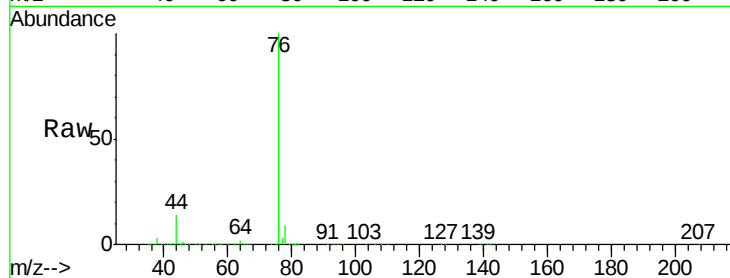
VSTDCCC050

Tot Ion: 76 Resp: 318801

Ion Ratio Lower Upper

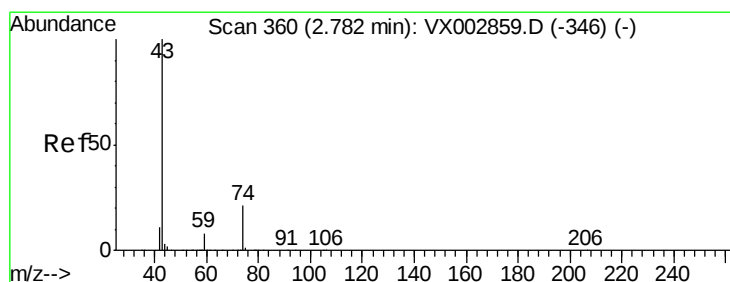
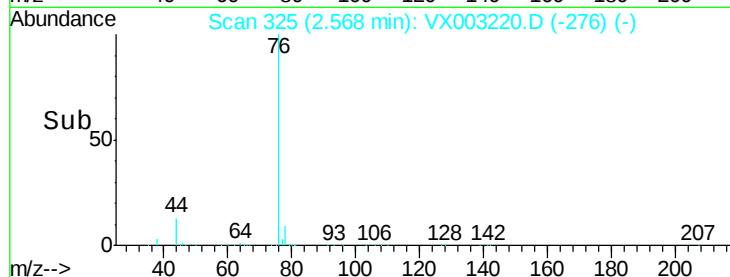
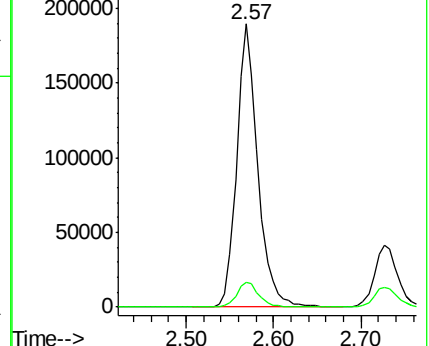
76 100

78 8.8 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: 42.89 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003220.D

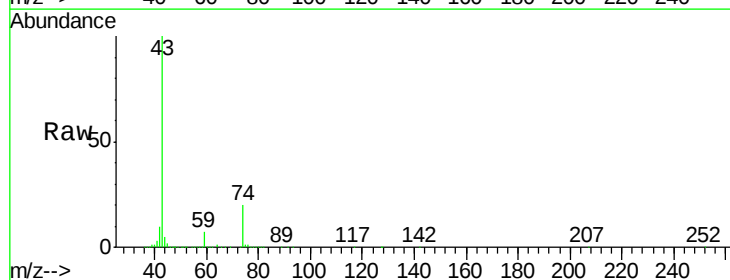
Acq: 06 Jul 2018 18:08

Tgt Ion: 43 Resp: 186243

Ion Ratio Lower Upper

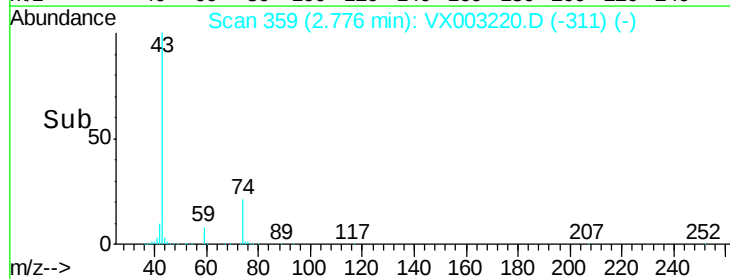
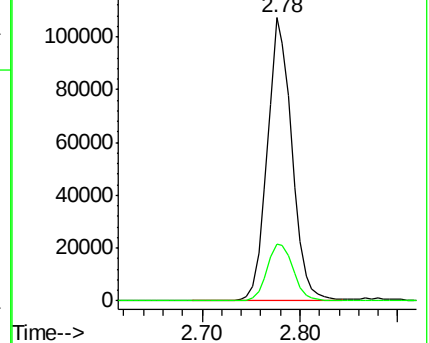
43 100

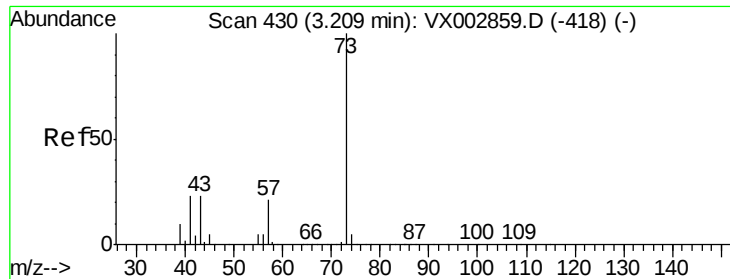
74 22.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

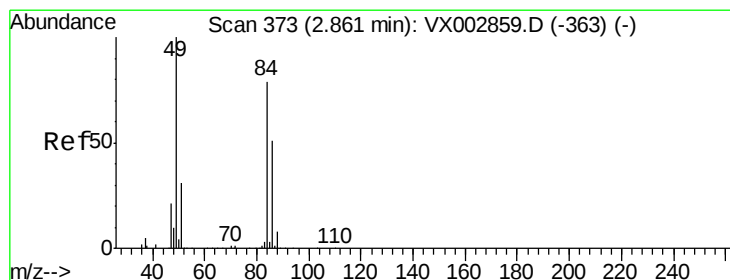
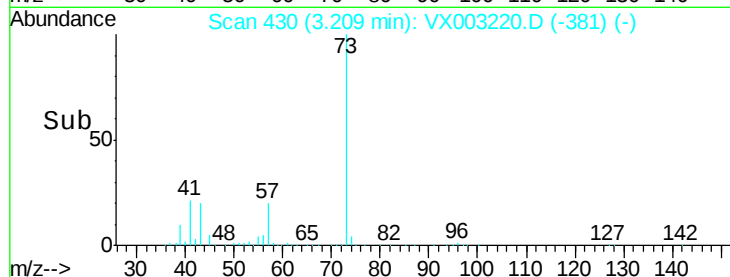
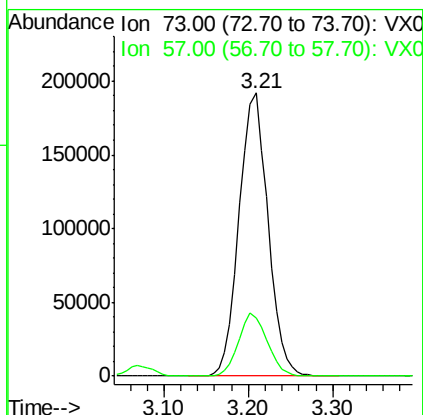
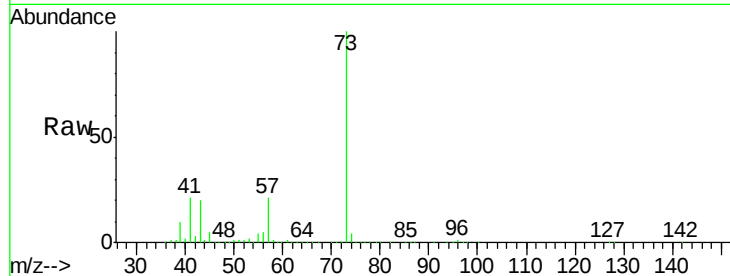




#19
Methyl tert-butyl Ether
Concen: 46.16 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

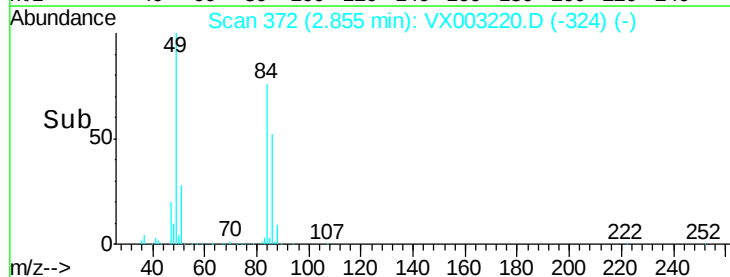
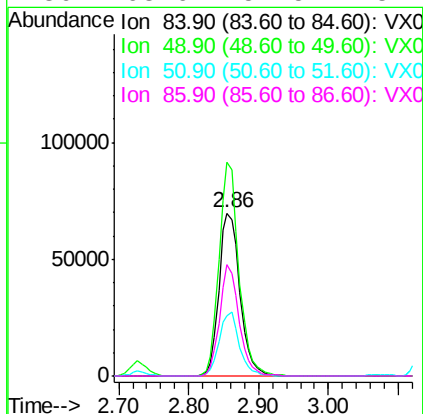
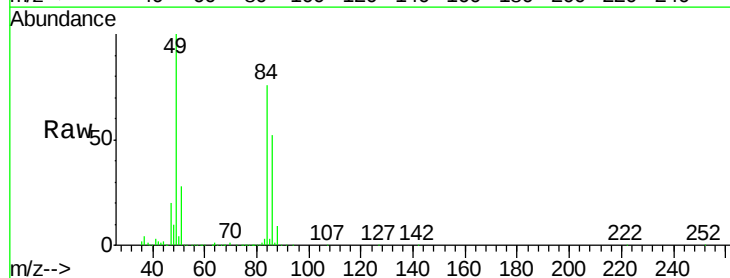
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

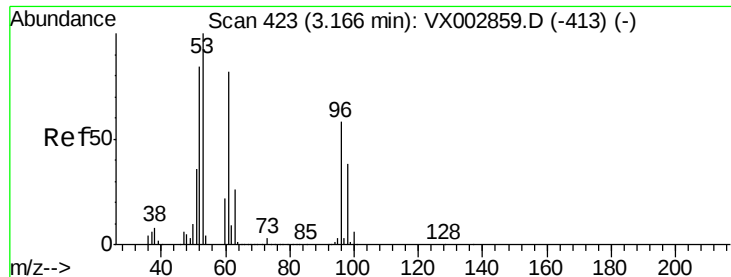
Tot Ion: 73 Resp: 444126
Ion Ratio Lower Upper
73 100
57 20.5 17.7 26.5



#20
Methylene Chloride
Concen: 47.93 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 84 Resp: 144869
Ion Ratio Lower Upper
84 100
49 130.9 107.8 161.6
51 37.1 32.8 49.2
86 68.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.67 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

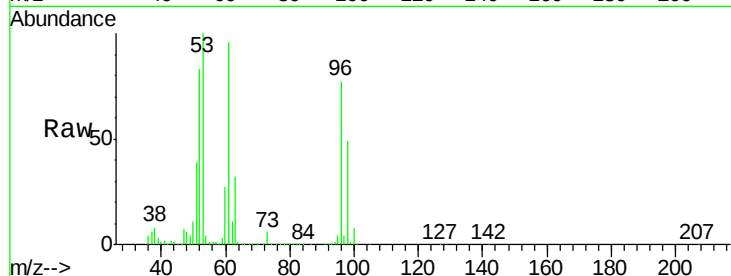
Tot Ion: 96 Resp: 136042

Ion Ratio Lower Upper

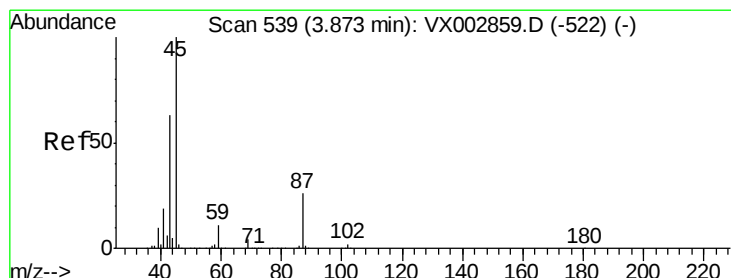
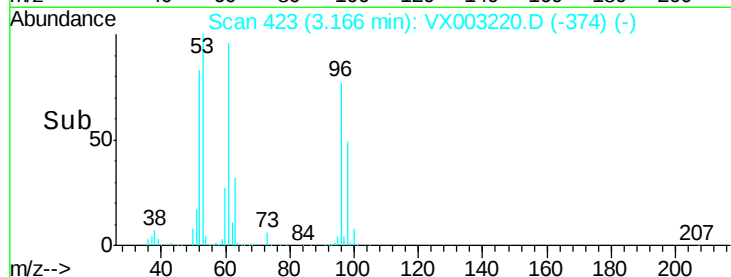
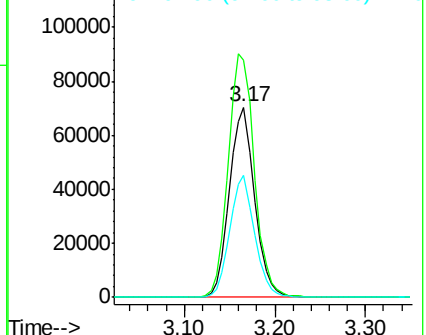
96 100

61 124.7 117.0 175.4

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: 46.56 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion: 45 Resp: 469483

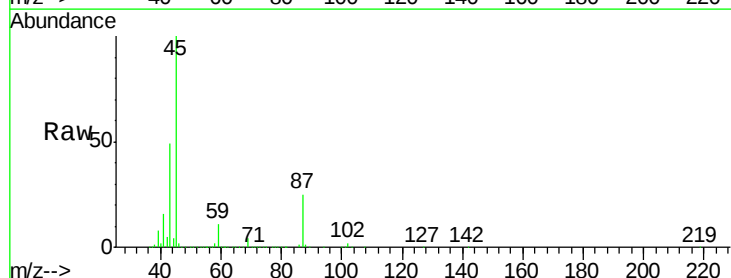
Ion Ratio Lower Upper

45 100

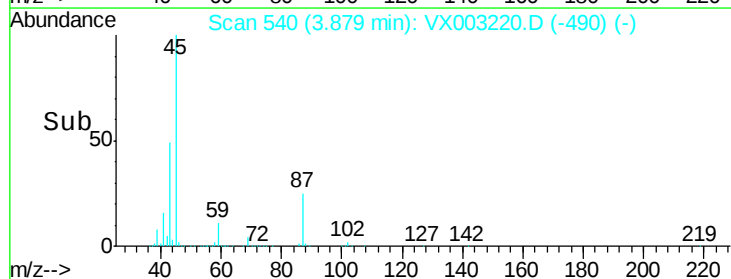
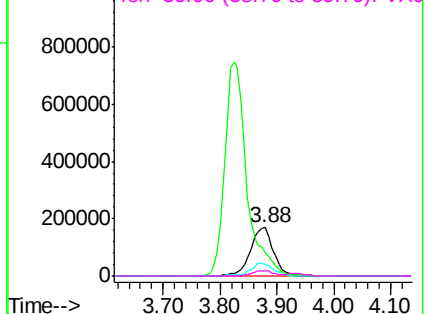
43 48.8 46.8 70.2

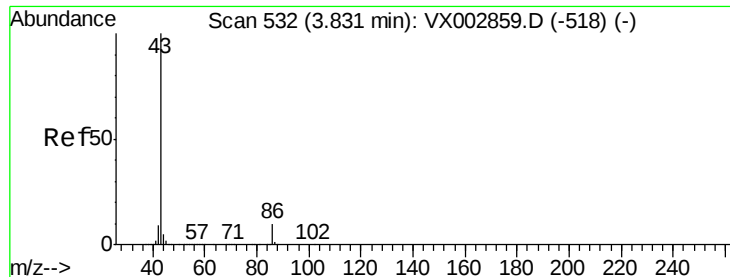
87 24.9 20.2 30.4

59 11.3 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: 235.09 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

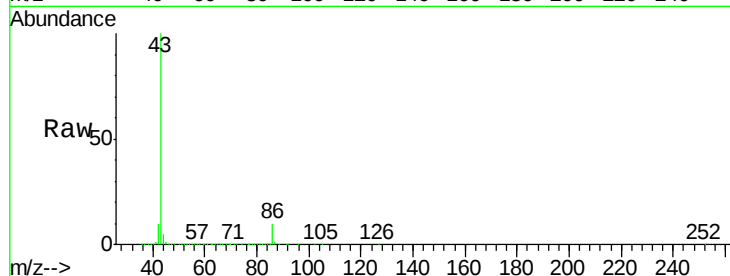
VSTDCCC050

Tot Ion: 43 Resp: 2007334

Ion Ratio Lower Upper

43 100

86 10.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

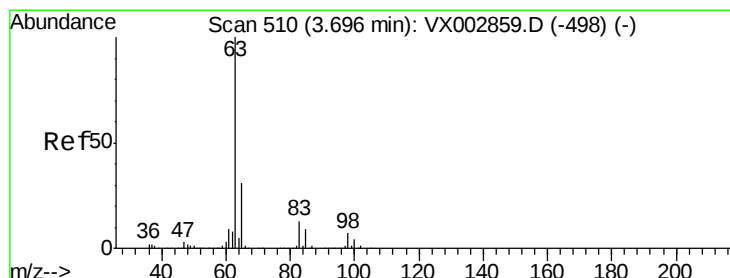
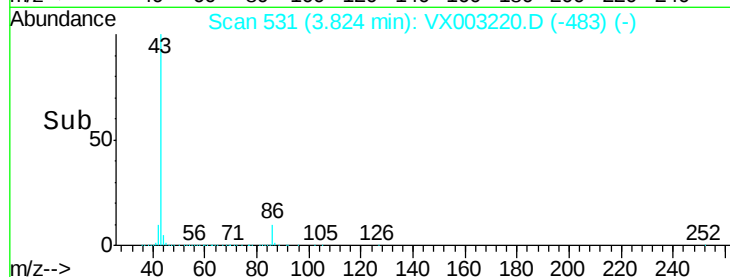
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 46.53 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

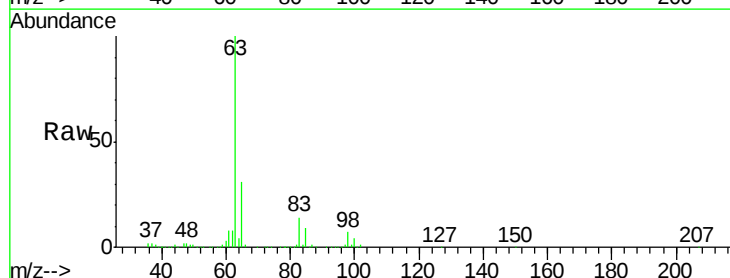
Tgt Ion: 63 Resp: 255013

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.5 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

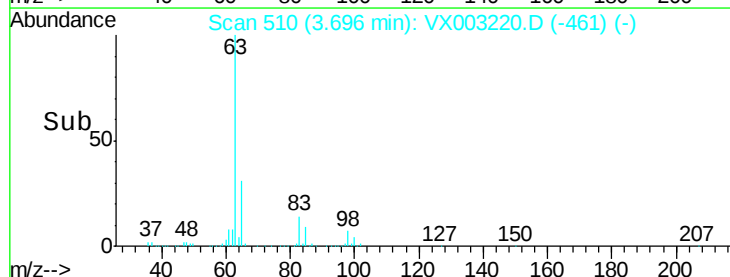
3.70

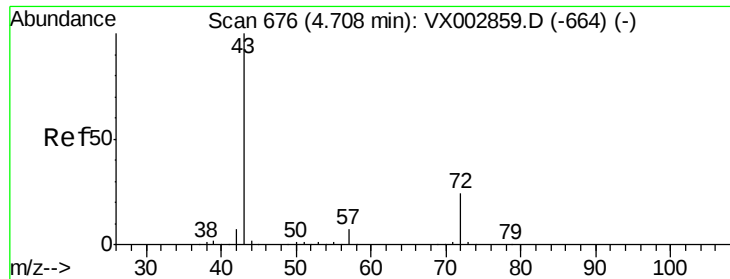
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#25

2-Butanone

Concen: 236.96 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

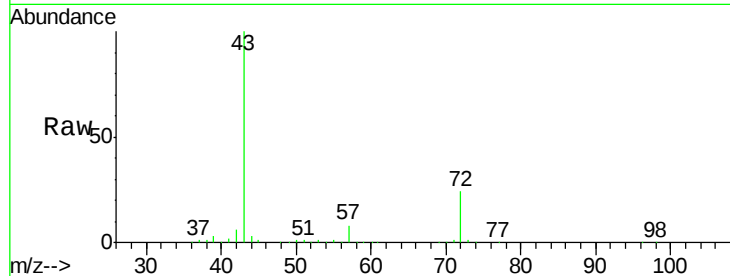
VSTDCCC050

Tot Ion: 43 Resp: 546228

Ion Ratio Lower Upper

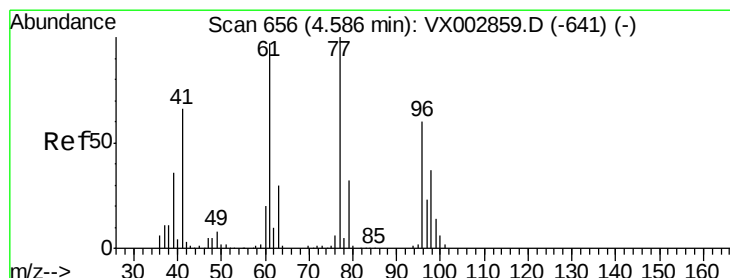
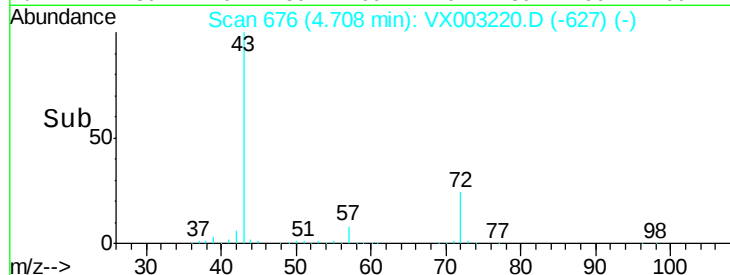
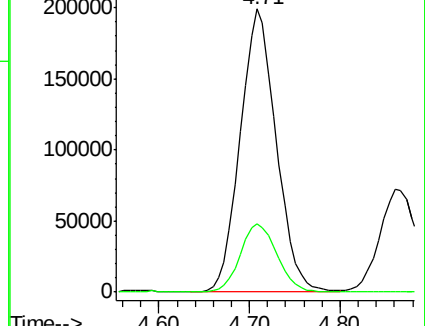
43 100

72 24.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.08 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003220.D

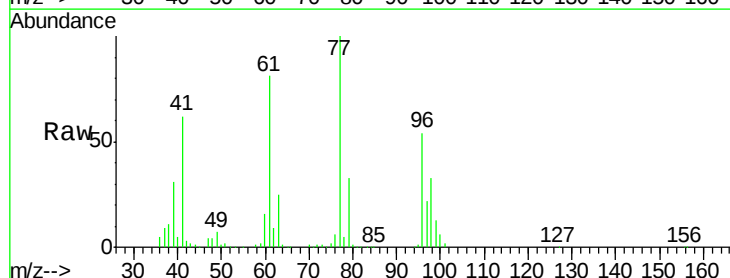
Acq: 06 Jul 2018 18:08

Tgt Ion: 77 Resp: 227663

Ion Ratio Lower Upper

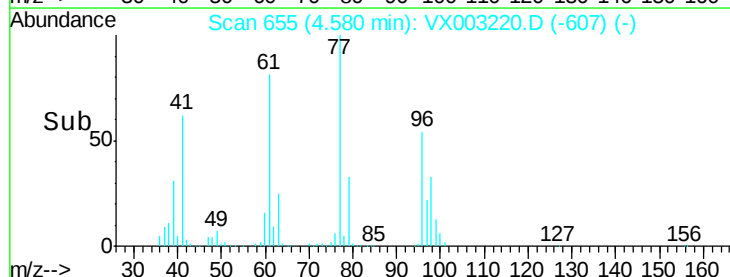
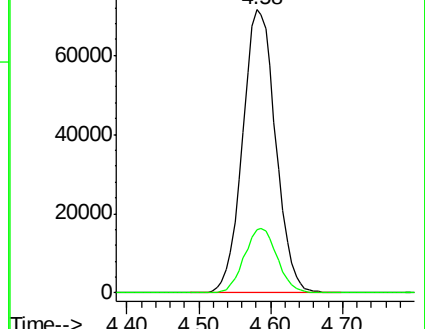
77 100

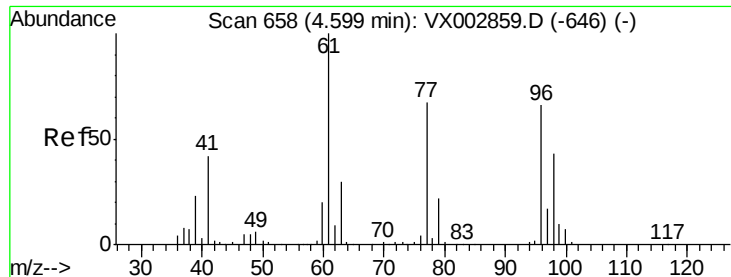
97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 49.36 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

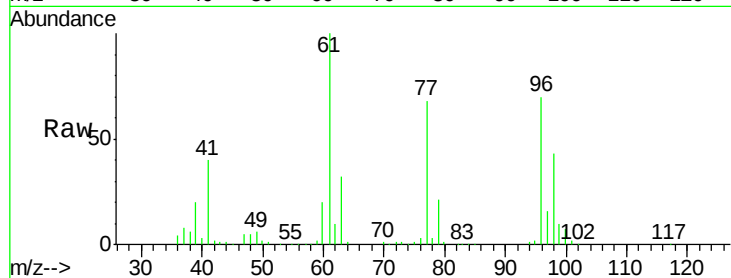
Tot Ion: 96 Resp: 161328

Ion Ratio Lower Upper

96 100

61 149.8 0.0 330.2

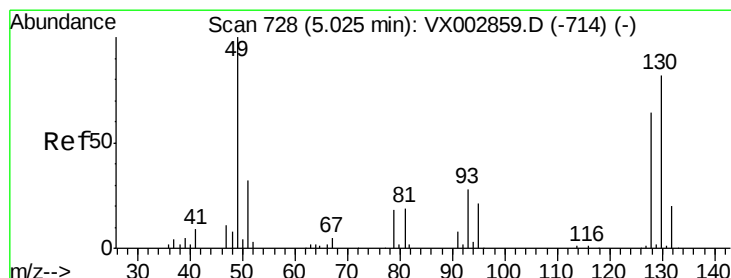
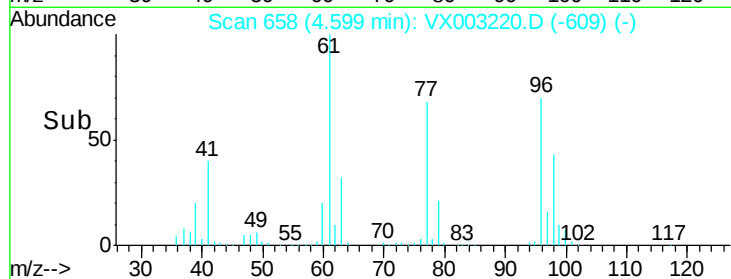
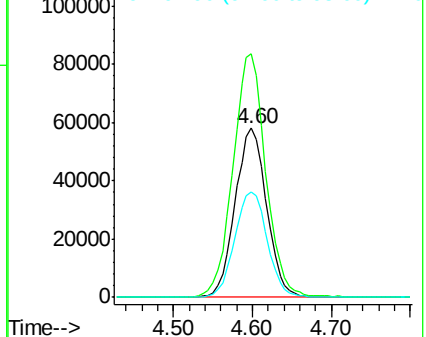
98 64.2 0.0 130.2



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: 45.99 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

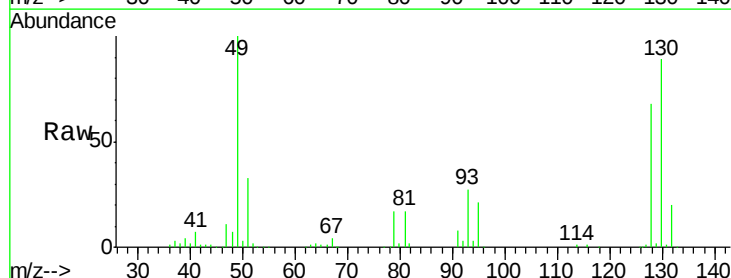
Tgt Ion: 49 Resp: 120645

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

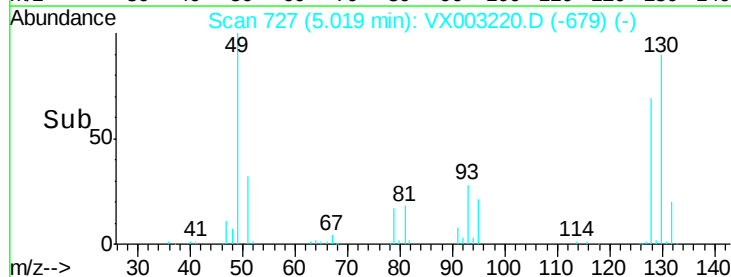
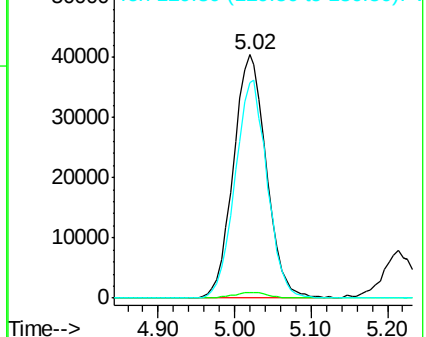
130 87.3 61.2 91.8

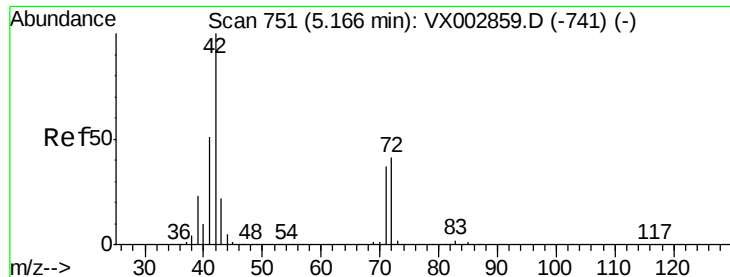


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 234.31 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

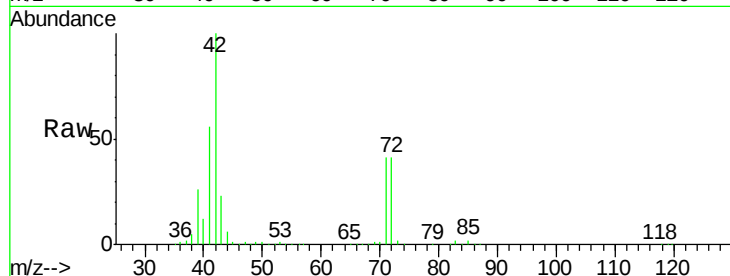
Tot Ion: 42 Resp: 346369

Ion Ratio Lower Upper

42 100

72 42.8 32.0 48.0

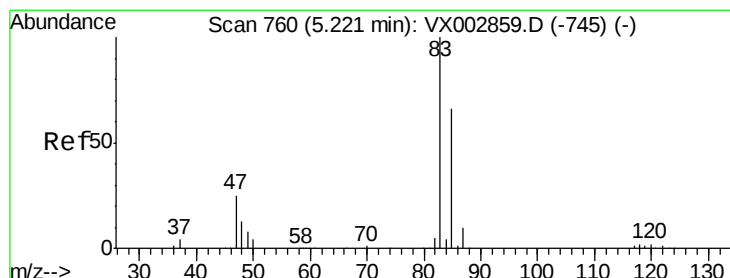
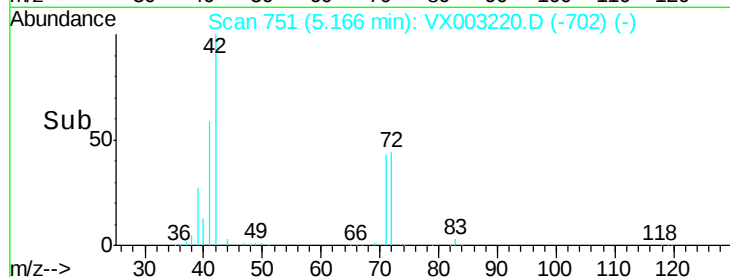
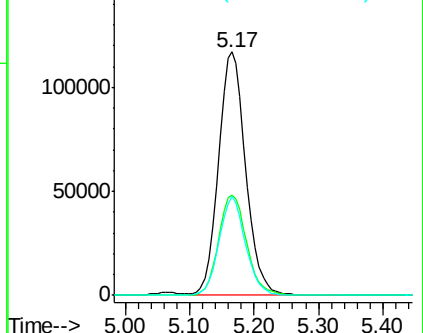
71 39.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.11 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003220.D

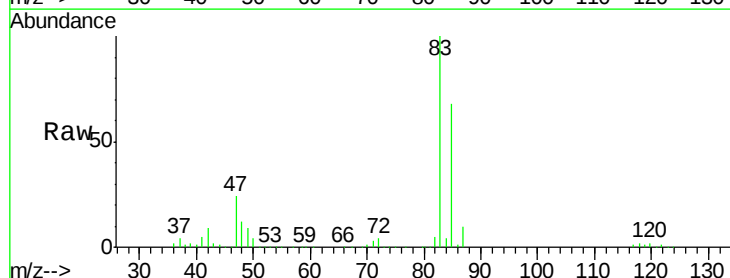
Acq: 06 Jul 2018 18:08

Tgt Ion: 83 Resp: 276246

Ion Ratio Lower Upper

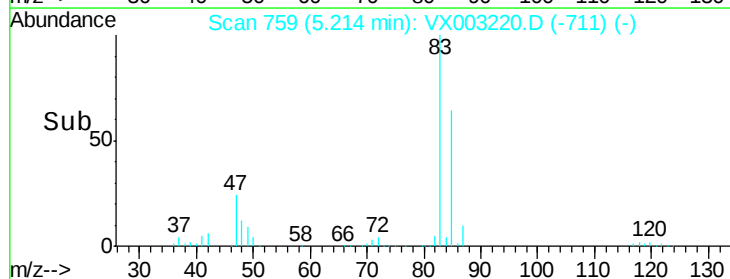
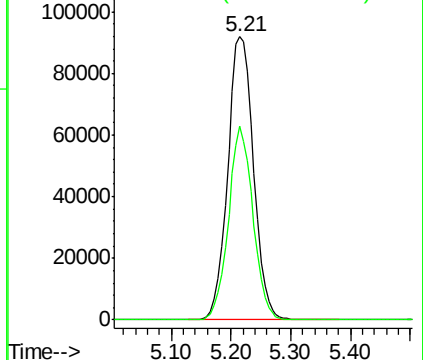
83 100

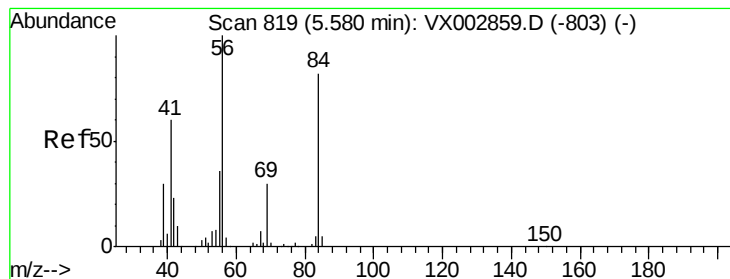
85 68.4 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

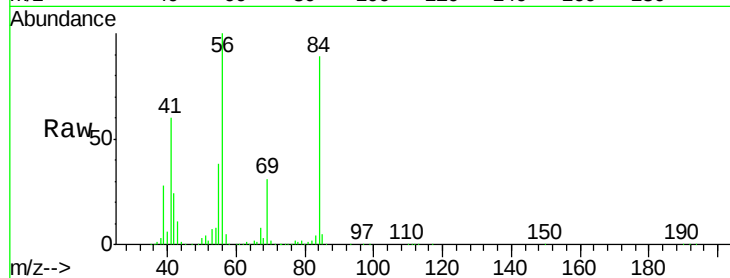
Tot Ion: 56 Resp: 223258

Ion Ratio Lower Upper

56 100

69 31.5 23.7 35.5

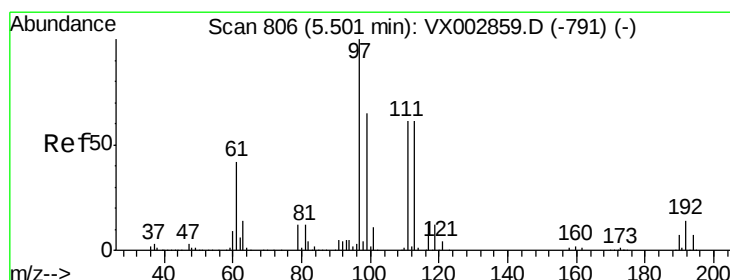
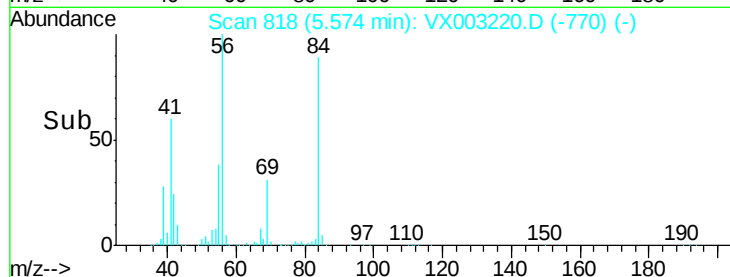
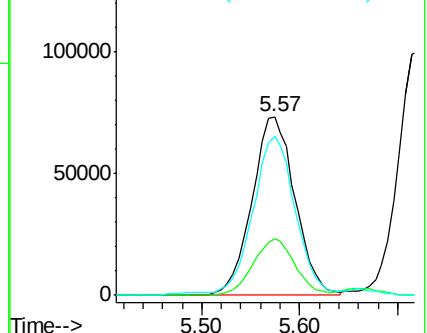
84 87.4 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.66 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

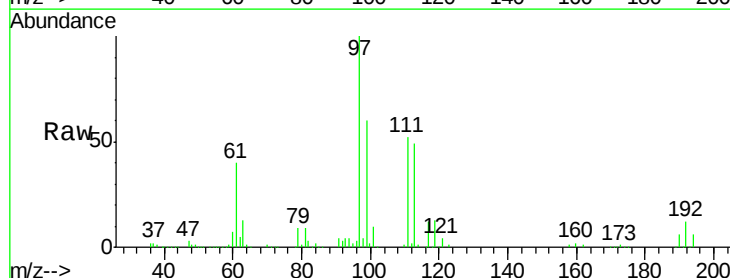
Tgt Ion: 97 Resp: 245779

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

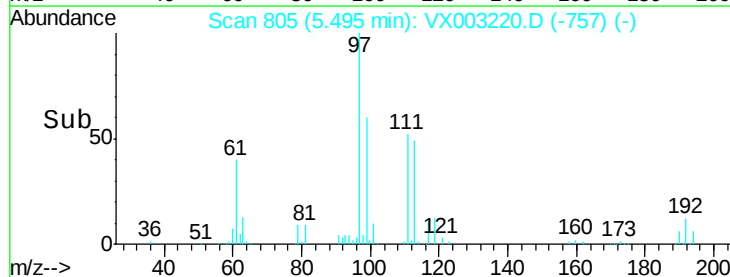
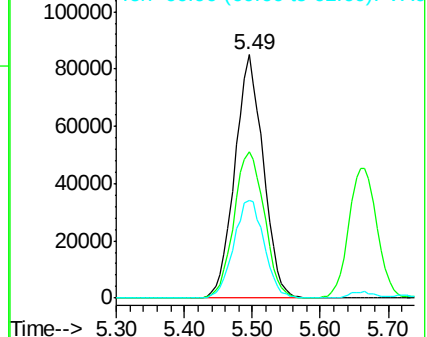
61 43.2 36.4 54.6

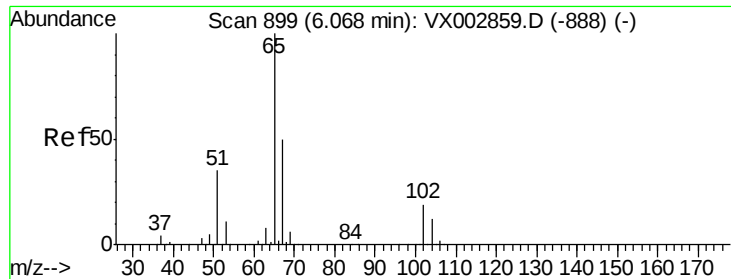


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

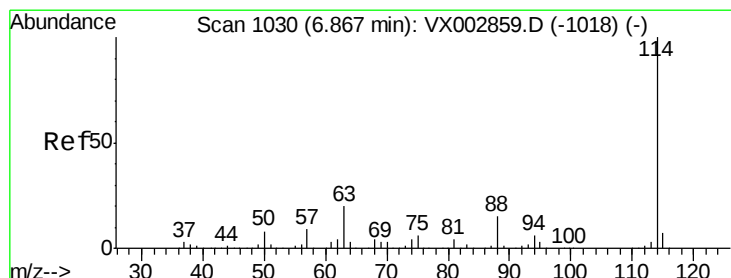
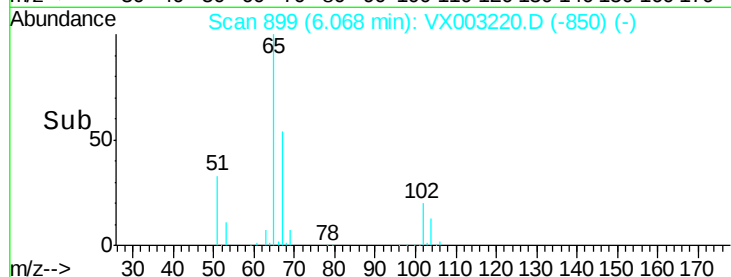
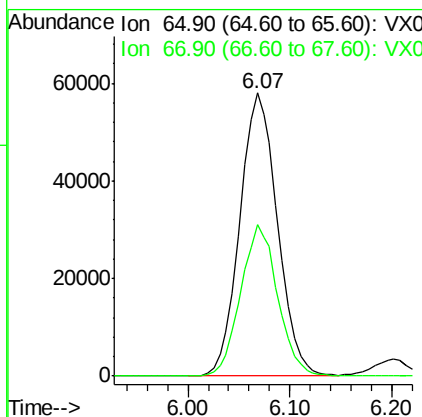
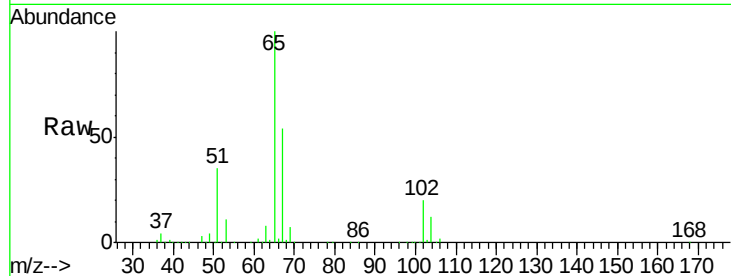




#33
 1,2-Dichloroethane-d4
 Concen: 39.73 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

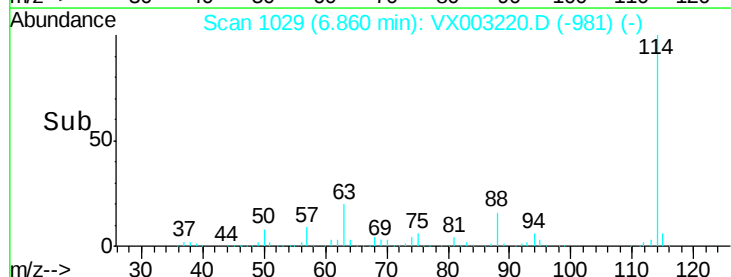
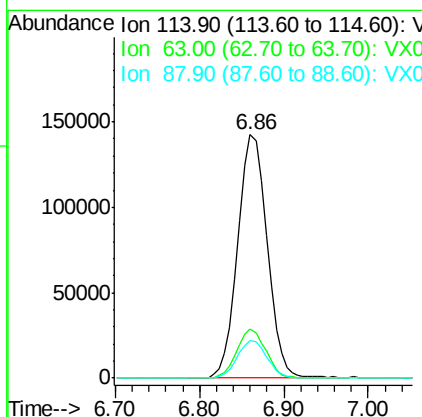
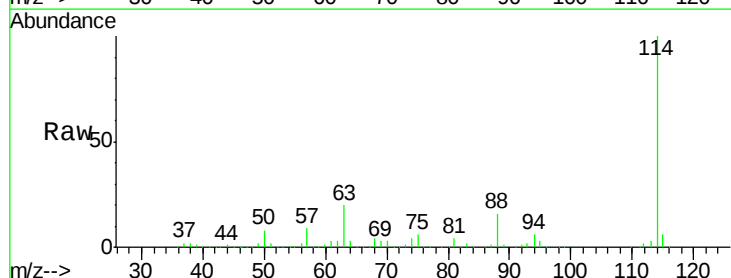
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 148995
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion: 114 Resp: 336966
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.30 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

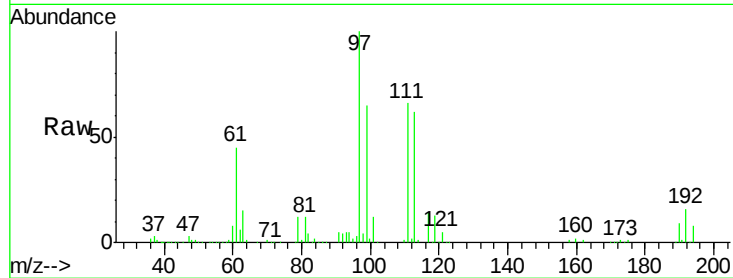
Tot Ion:113 Resp: 134226

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

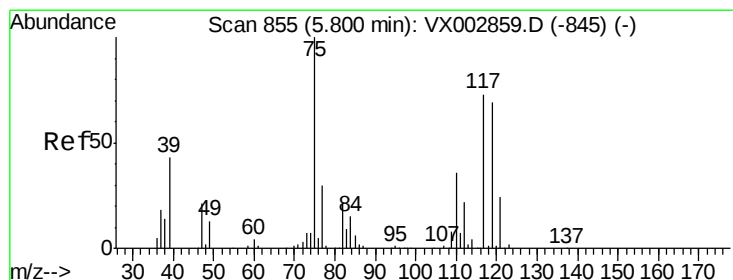
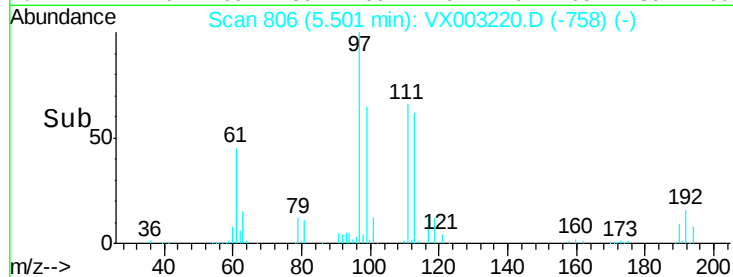
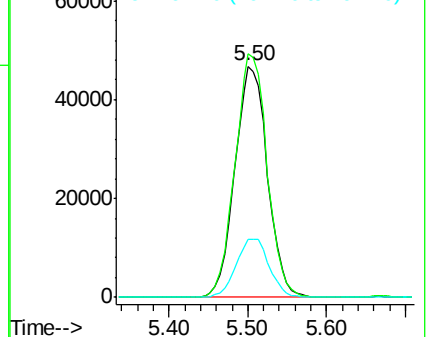
192 25.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.67 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

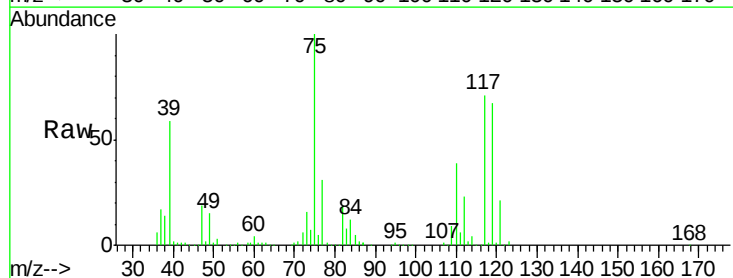
Tgt Ion: 75 Resp: 198325

Ion Ratio Lower Upper

75 100

110 37.6 18.1 54.4

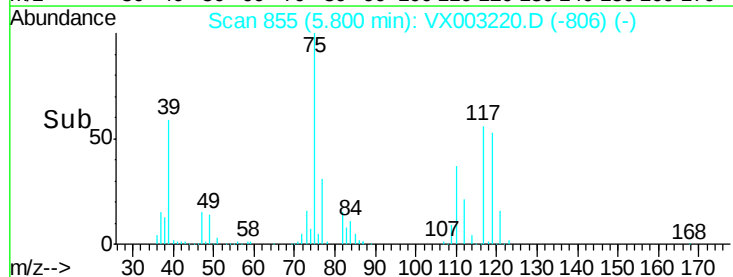
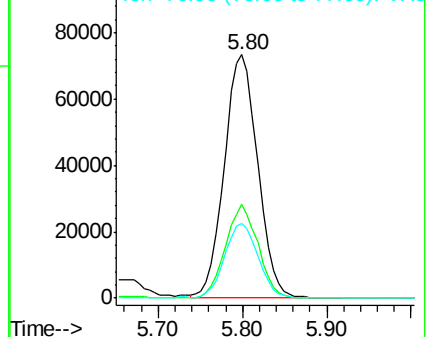
77 30.6 24.3 36.5

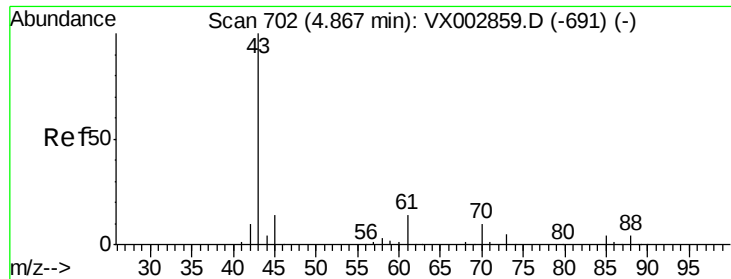


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

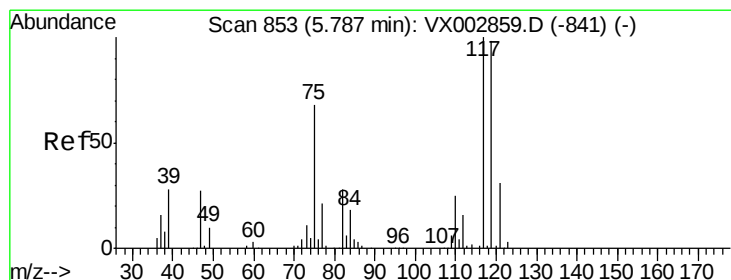
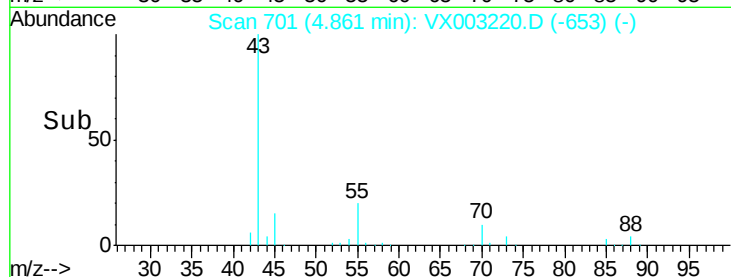
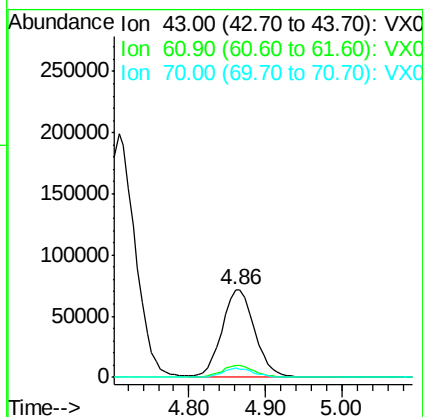
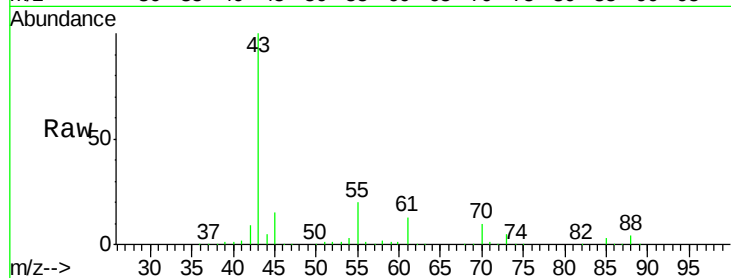




#37
Ethyl Acetate
Concen: 53.01 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

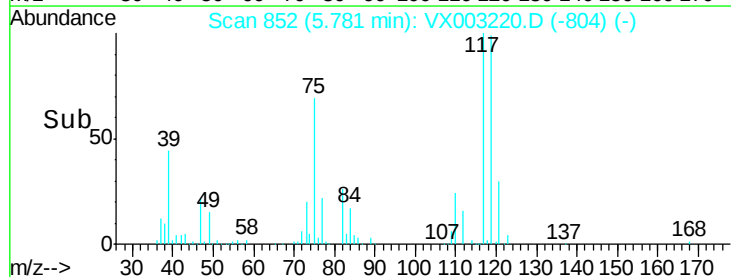
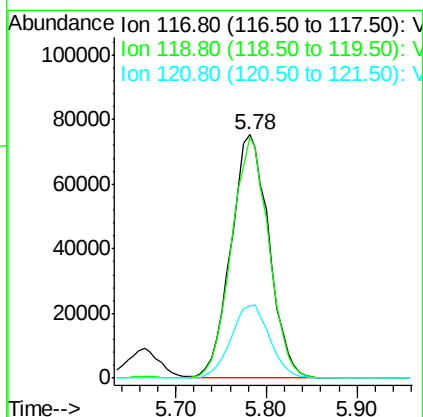
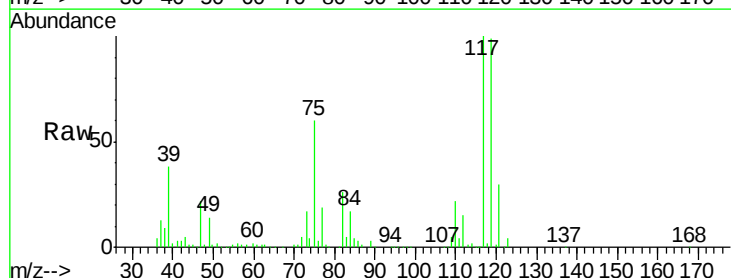
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

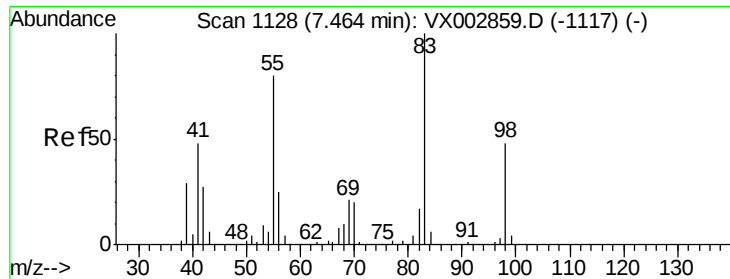
Tot Ion: 43 Resp: 210915
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.86 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 117 Resp: 218404
Ion Ratio Lower Upper
117 100
119 98.8 77.4 116.0
121 29.9 24.4 36.6

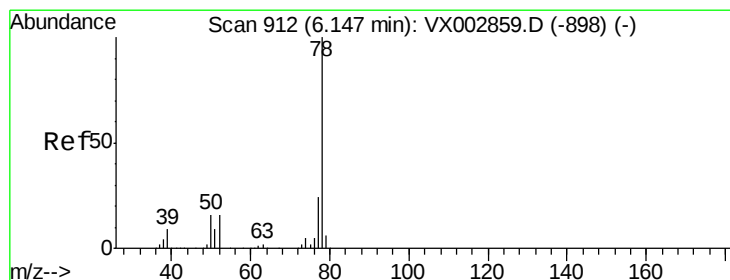
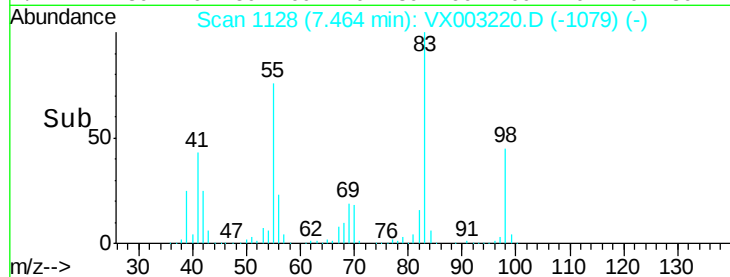
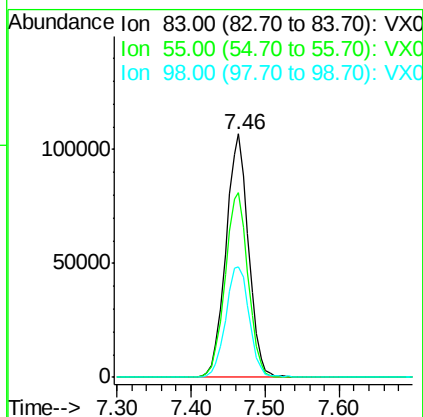
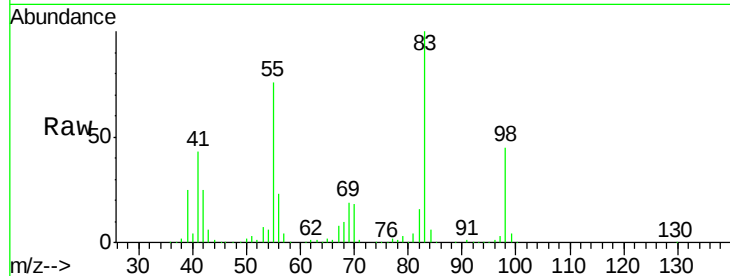




#39
Methvlcvclohexane
Concen: 52.44 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

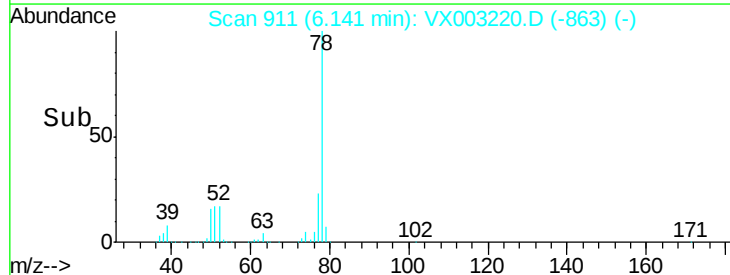
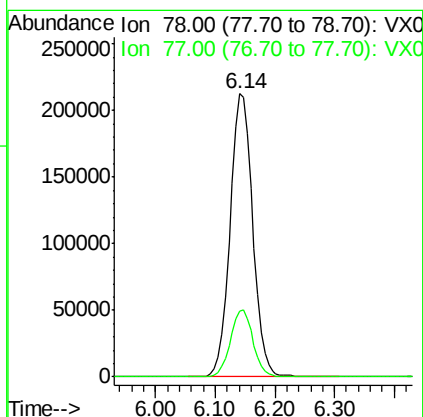
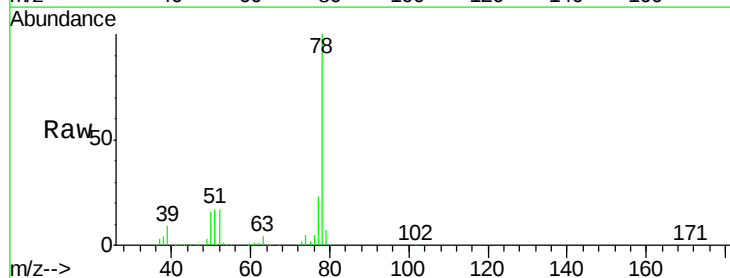
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

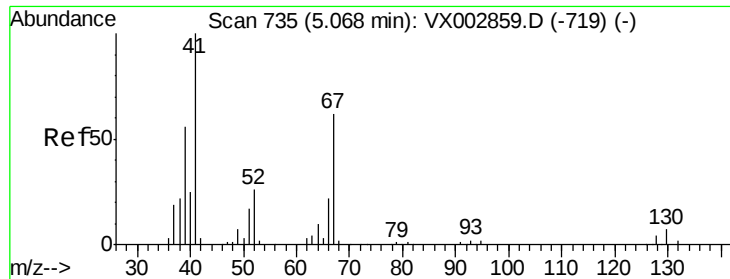
Tot Ion: 83 Resp: 225715
Ion Ratio Lower Upper
83 100
55 75.8 65.4 98.0
98 45.3 37.4 56.0



#40
Benzene
Concen: 52.31 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 78 Resp: 561611
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

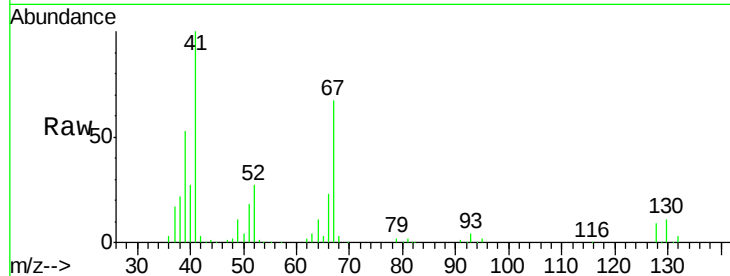




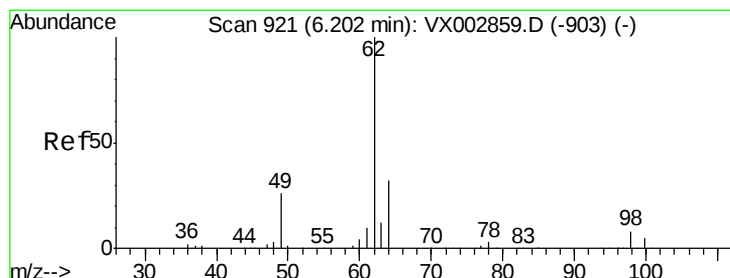
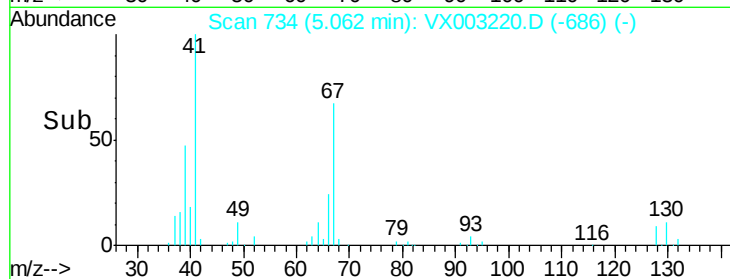
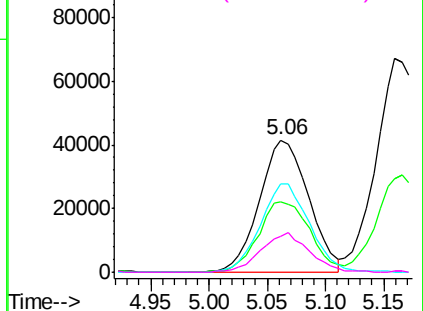
#41
Methacrylonitrile
Concen: 52.93 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	121261
Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.8	68.6
67	67.4	51.3	76.9
52	28.6	23.0	34.6

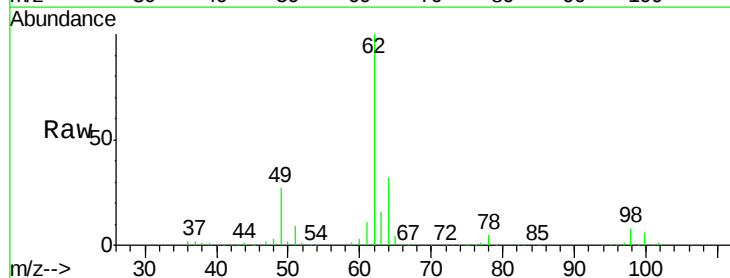


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

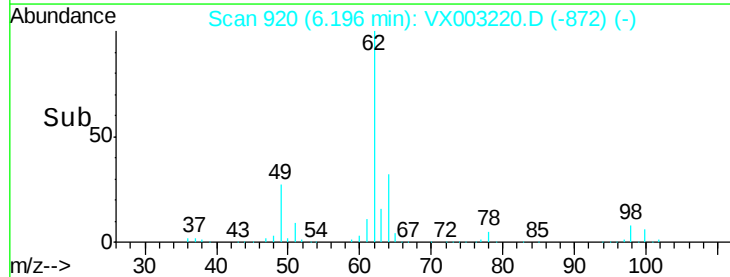
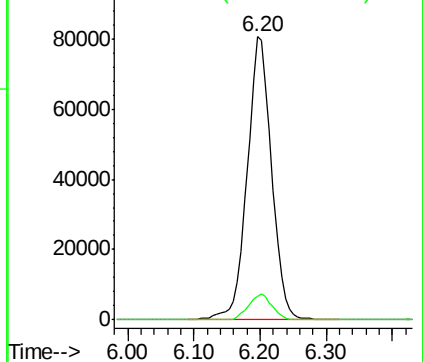


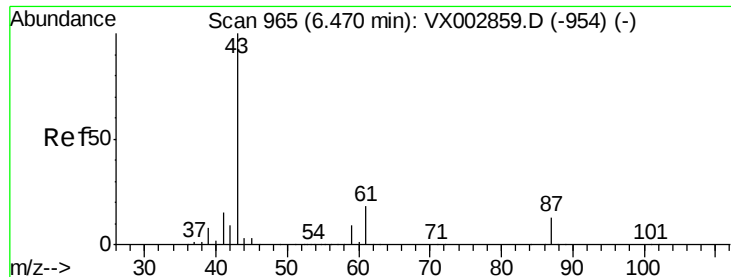
#42
1,2-Dichloroethane
Concen: 47.67 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion:	62	Resp:	206770
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6



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



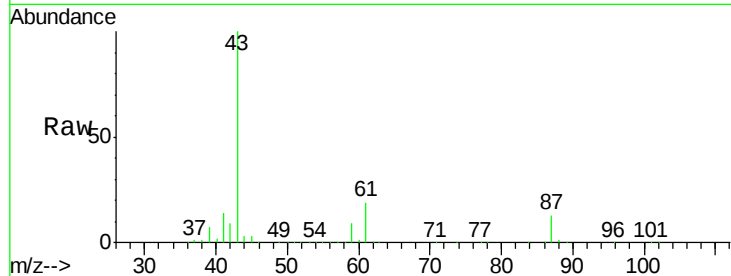


#43

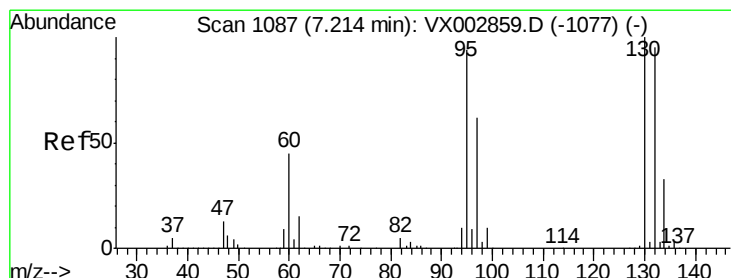
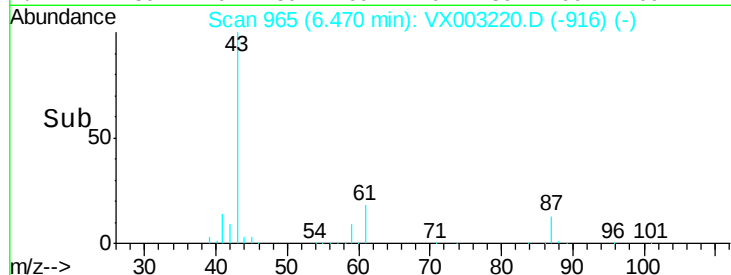
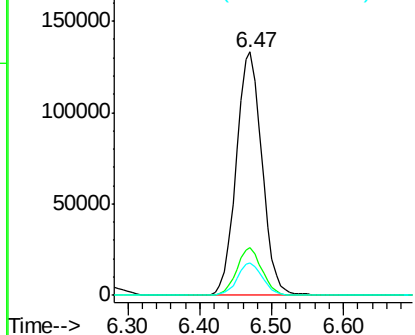
Isopropyl Acetate
 Concen: 49.30 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 328935
 Ion Ratio Lower Upper
 43 100
 61 19.1 14.4 21.6
 87 13.1 9.5 14.3



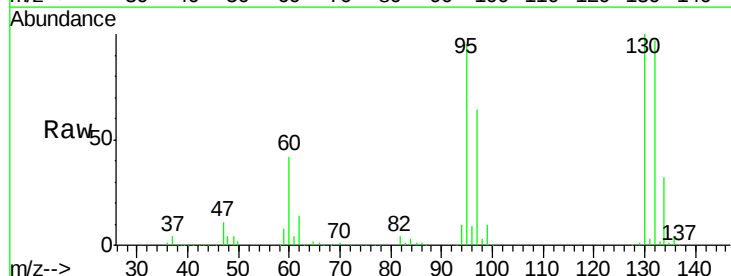
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



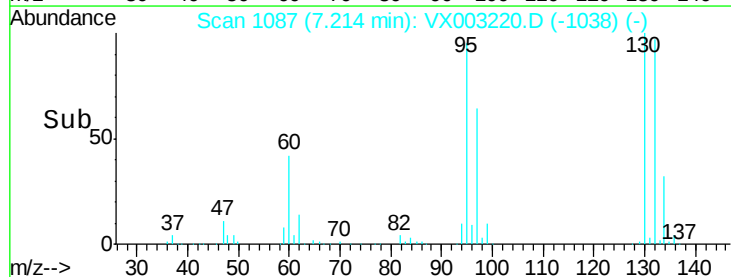
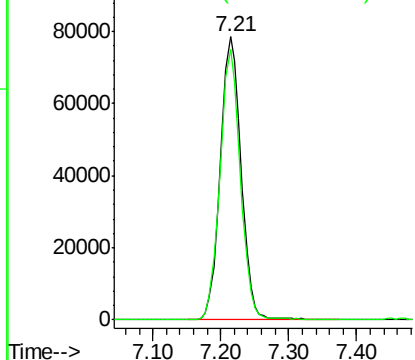
#44

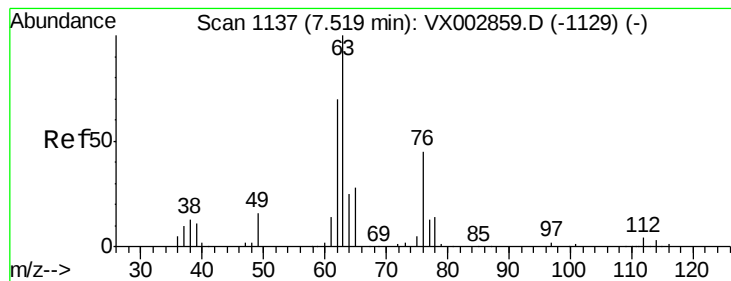
Trichloroethene
 Concen: 52.14 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion:130 Resp: 166917
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 51.89 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

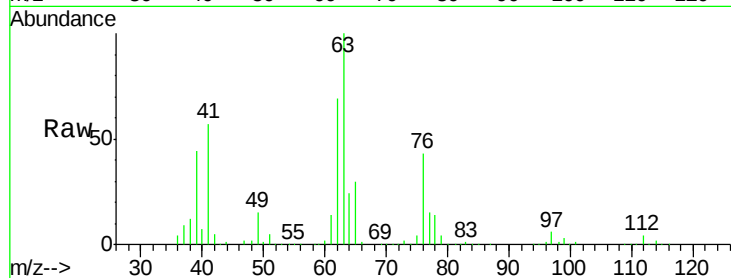
VSTDCCC050

Tot Ion: 63 Resp: 147796

Ion Ratio Lower Upper

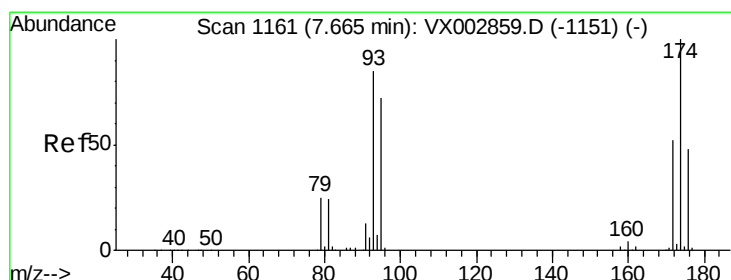
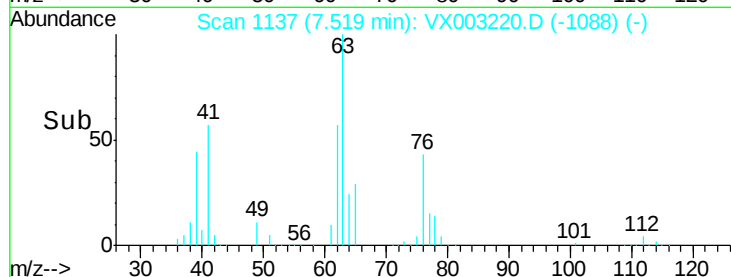
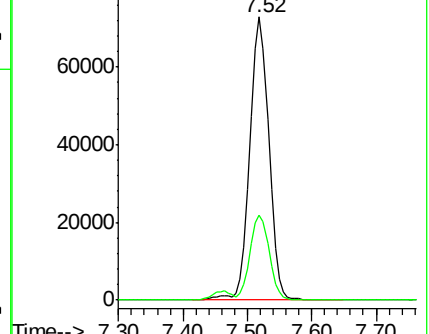
63 100

65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.27 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

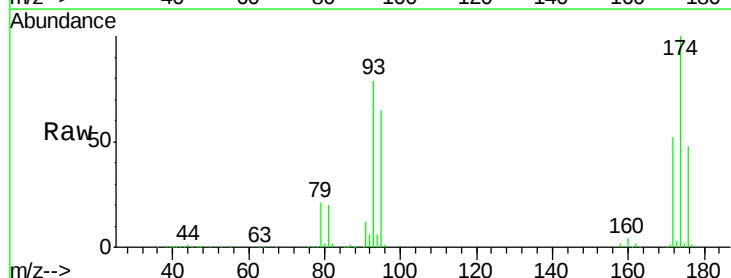
Tgt Ion: 93 Resp: 99360

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

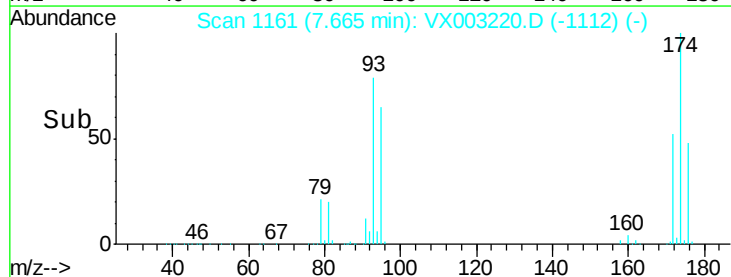
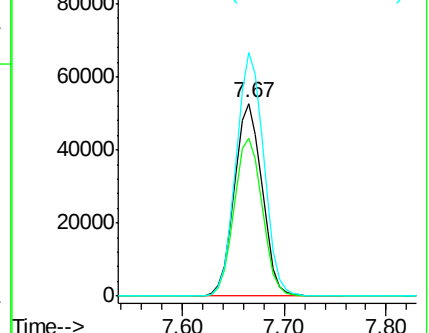
174 125.8 92.4 138.6

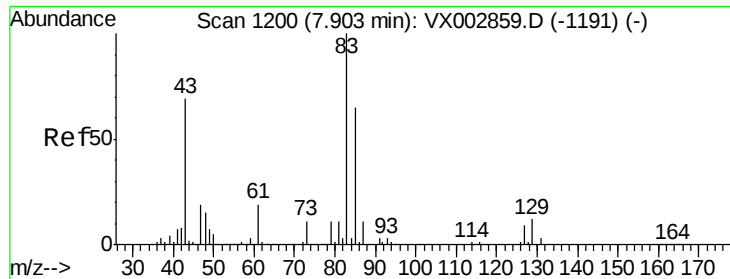


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.77 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

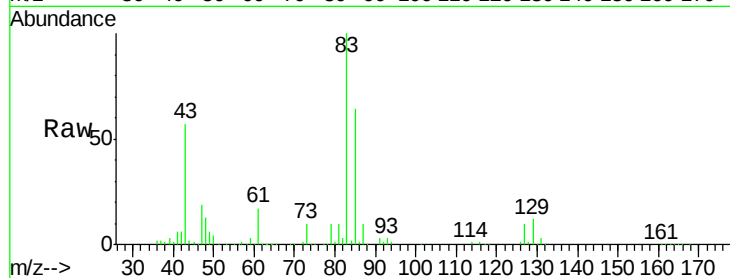
Tot Ion: 83 Resp: 192836

Ion Ratio Lower Upper

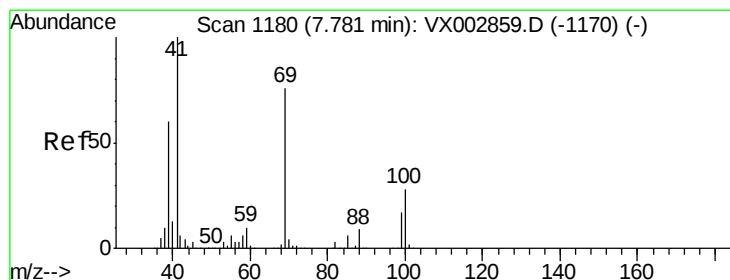
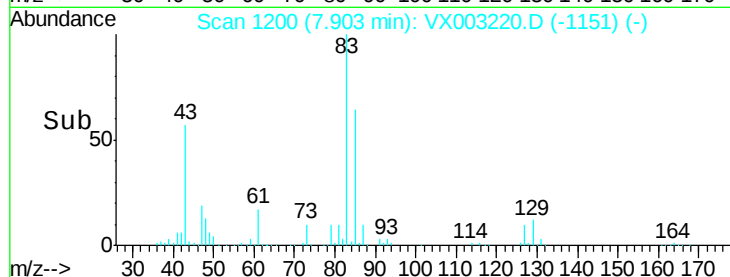
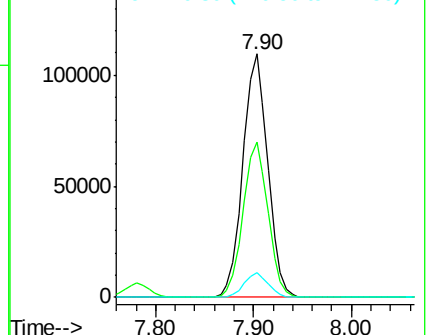
83 100

85 63.9 50.3 75.5

127 10.0 7.0 10.4



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



#48

Methyl methacrylate

Concen: 49.33 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

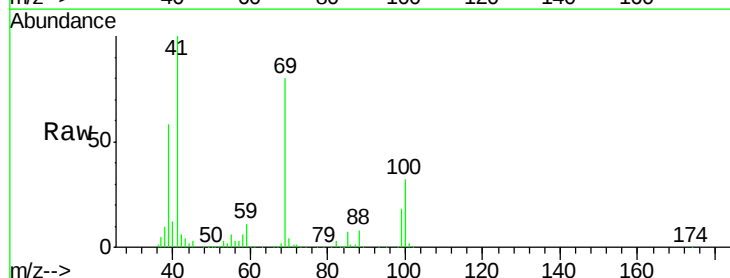
Tgt Ion: 41 Resp: 169622

Ion Ratio Lower Upper

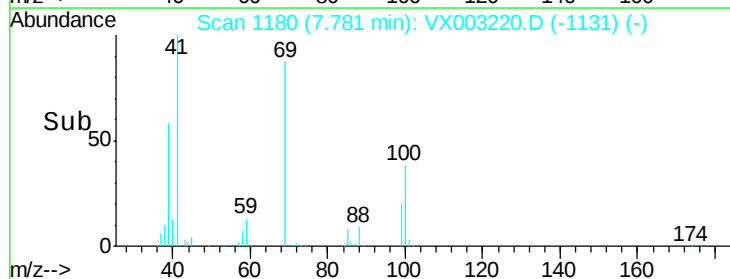
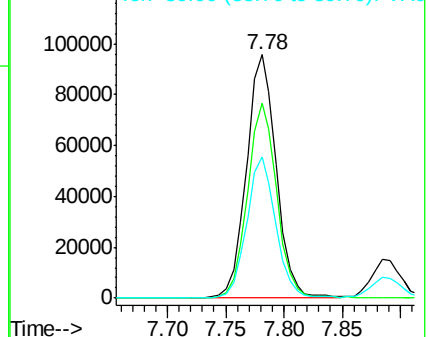
41 100

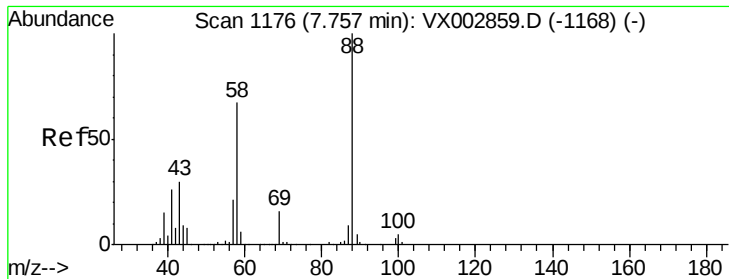
69 79.3 59.1 88.7

39 56.5 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

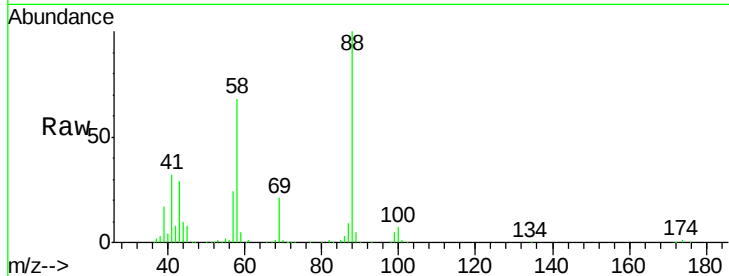




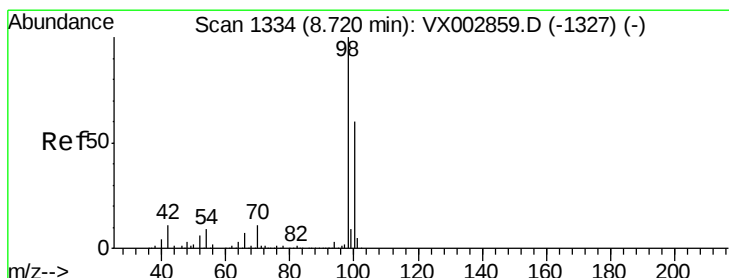
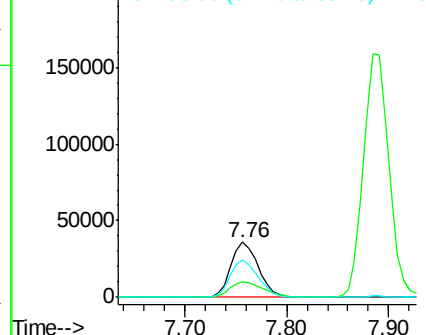
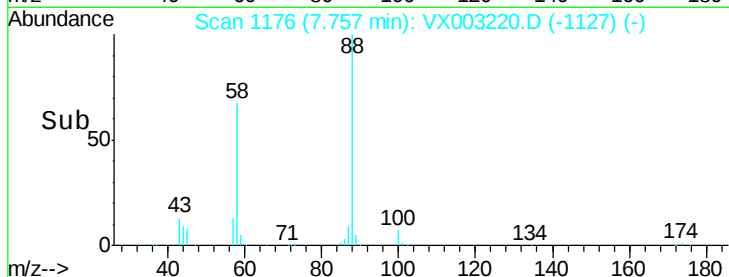
#49
1,4-Dioxane
Concen: 1008.18 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	67440
Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.6
58	69.8	57.1	85.7

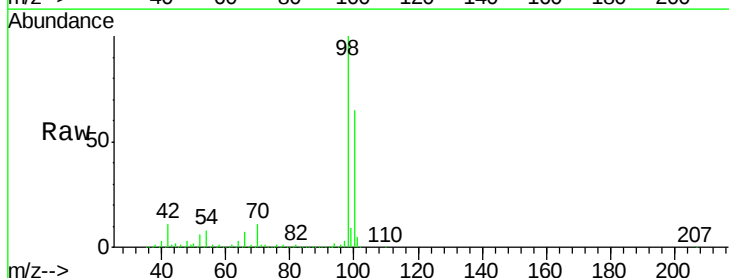


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

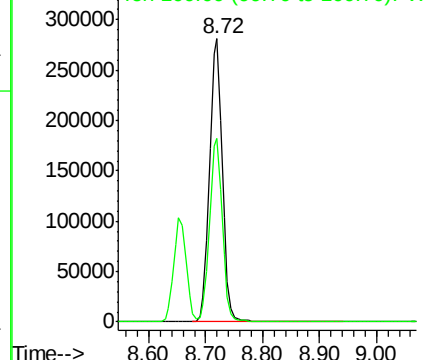
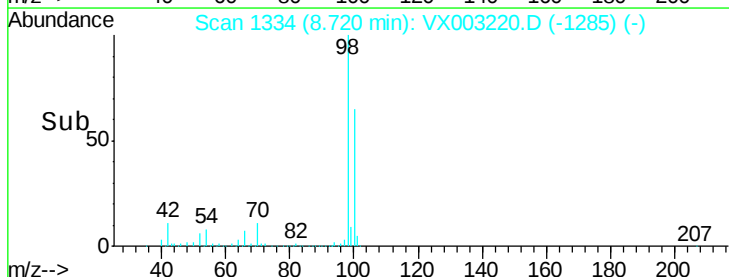


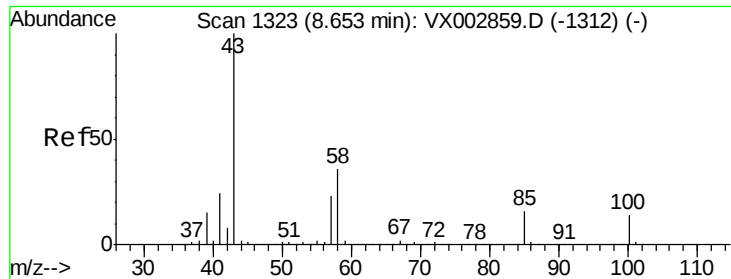
#50
Toluene-d8
Concen: 45.36 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	98	Resp	442039
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3



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

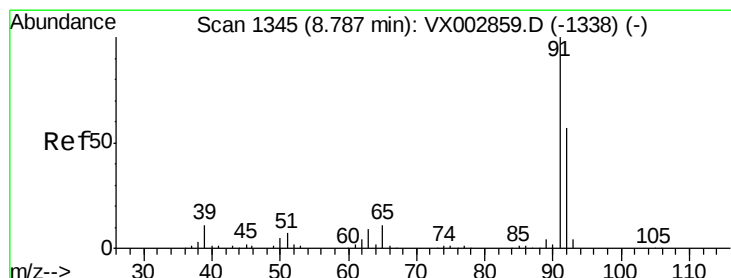
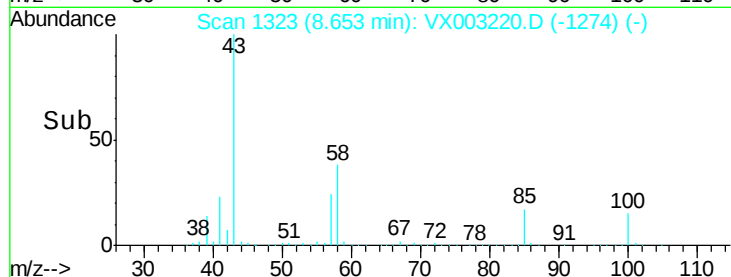
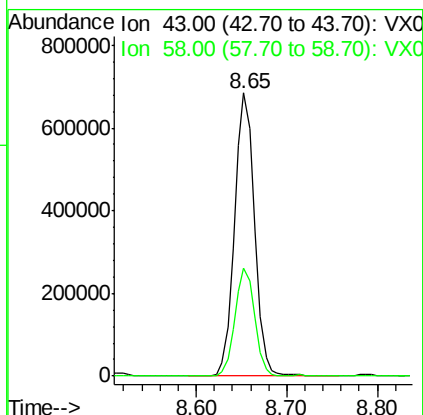
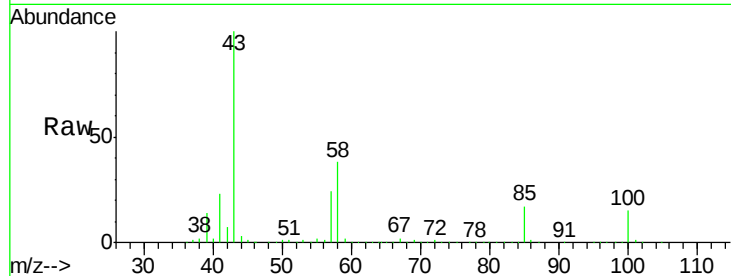




#51
4-Methyl-2-Pentanone
Concen: 253.00 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

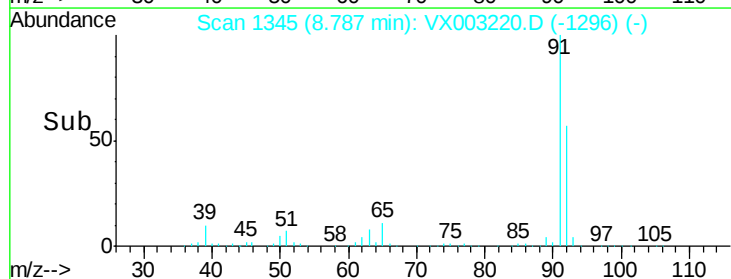
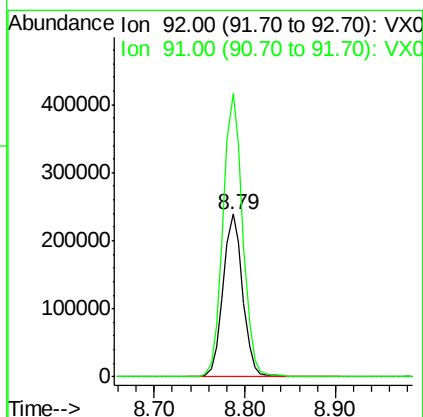
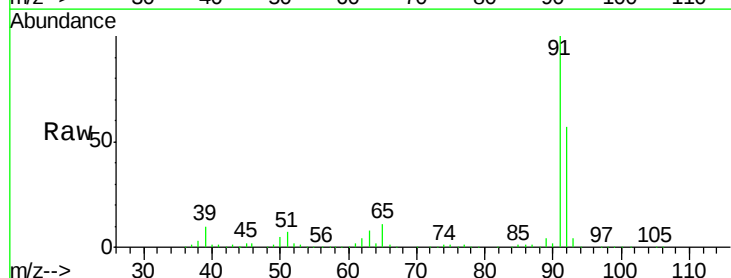
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

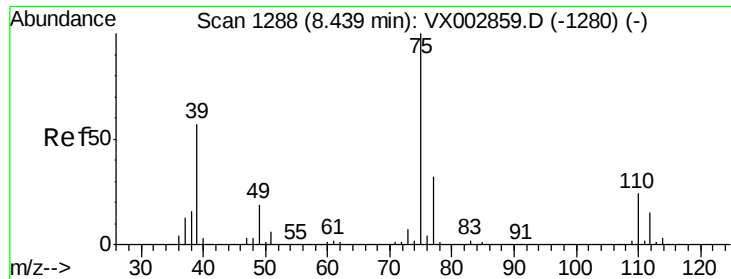
Tot Ion: 43 Resp: 1056233
Ion Ratio Lower Upper
43 100
58 37.7 28.6 42.8



#52
Toluene
Concen: 52.50 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 92 Resp: 361078
Ion Ratio Lower Upper
92 100
91 174.7 140.4 210.6

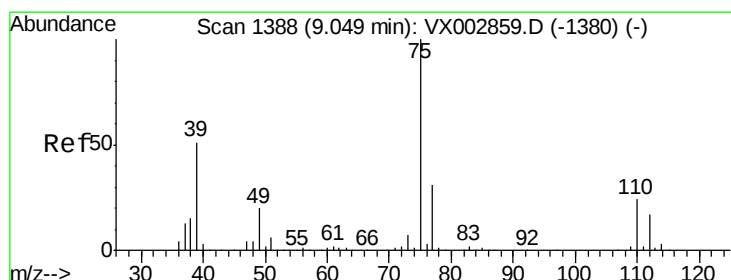
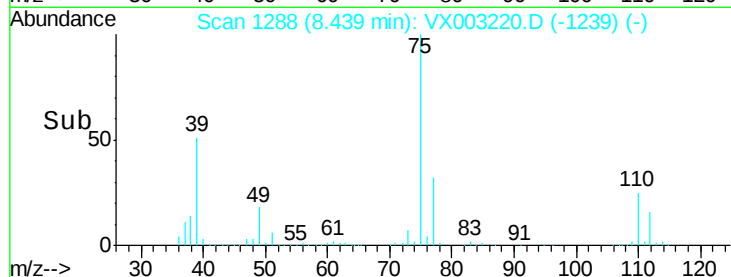
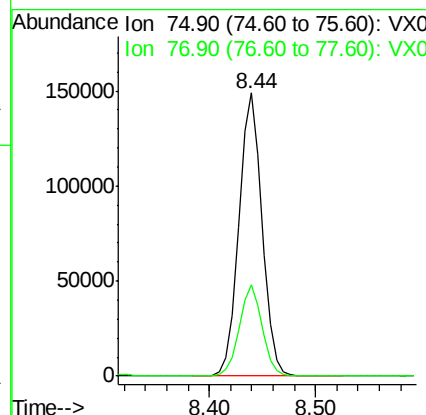
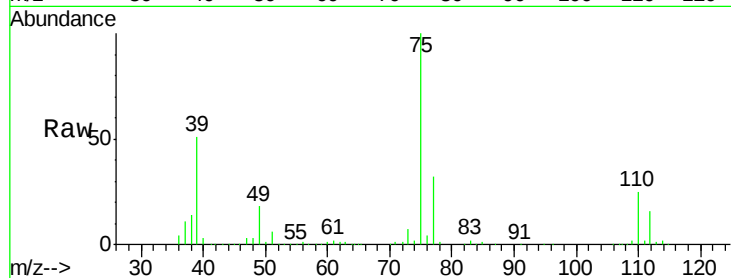




#53
t-1,3-Dichloropropene
Concen: 54.95 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

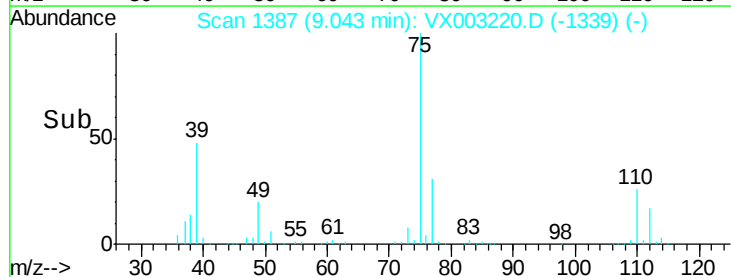
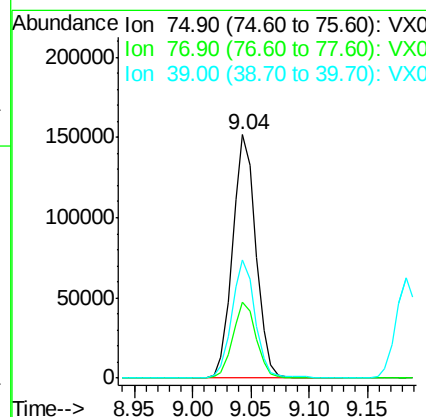
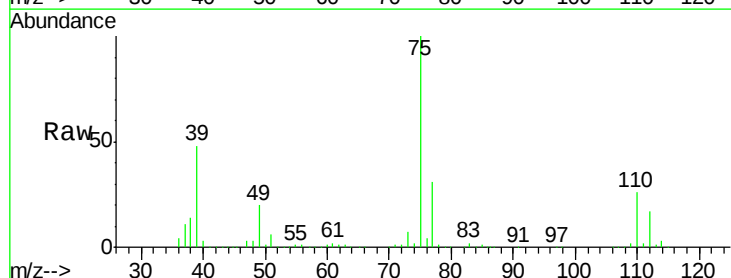
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 227398
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 53.09 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 75 Resp: 211404
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 48.3 42.4 63.6



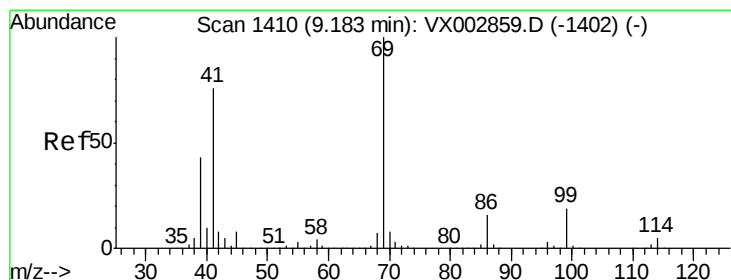
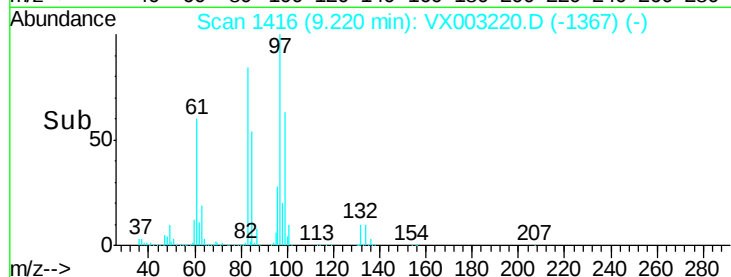
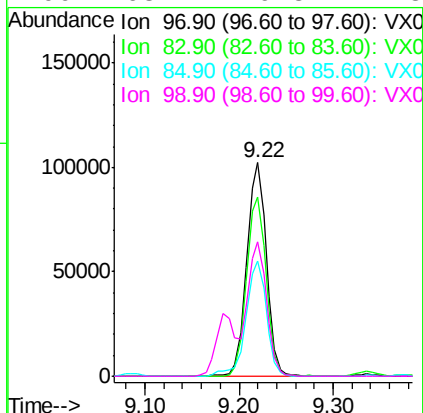
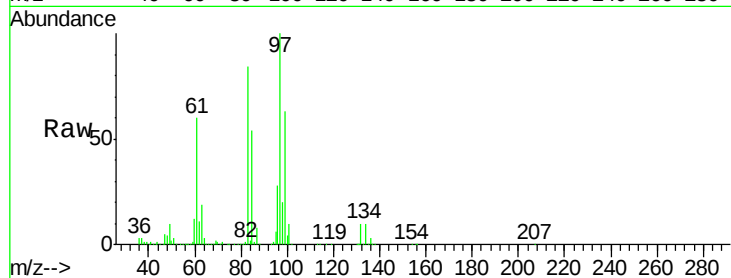


#55
 1,1,2-Trichloroethane
 Concen: 52.85 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 149378

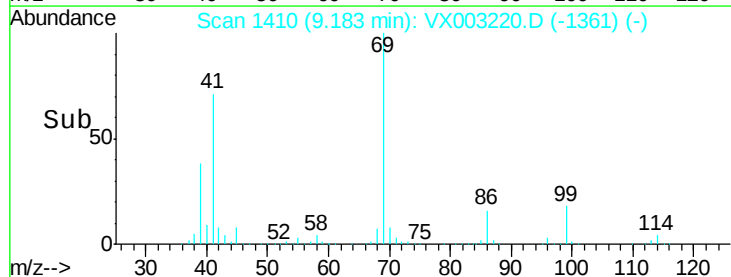
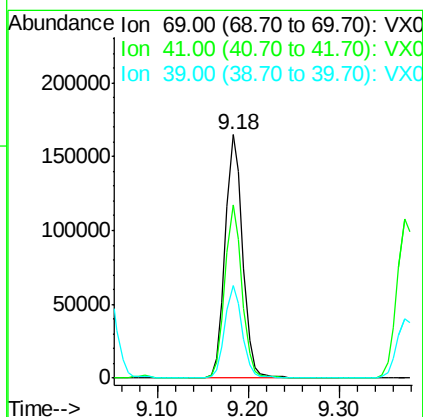
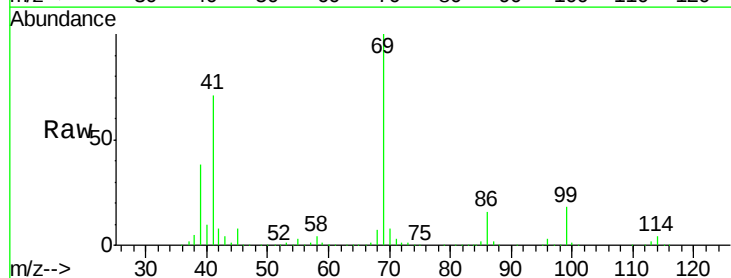
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.2
85	54.0	44.9	67.3
99	63.1	49.8	74.8

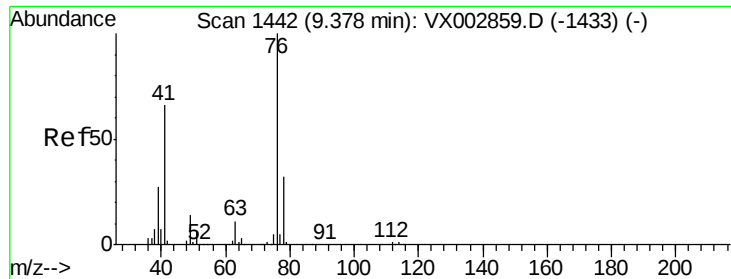


#56
 Ethyl methacrylate
 Concen: 53.61 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion: 69 Resp: 221467

Ion	Ratio	Lower	Upper
69	100		
41	69.7	60.3	90.5
39	37.8	35.8	53.8

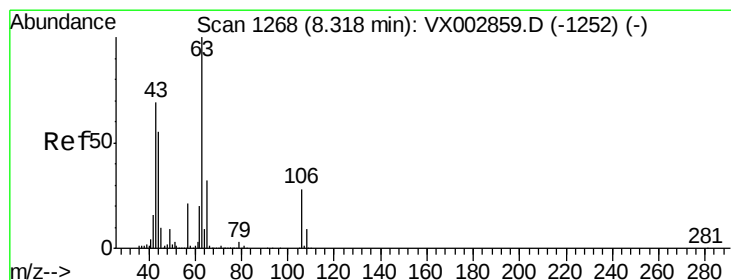
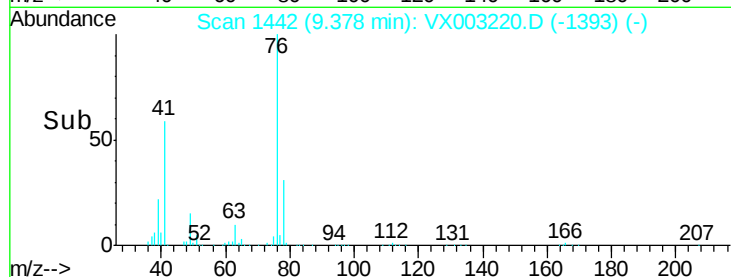
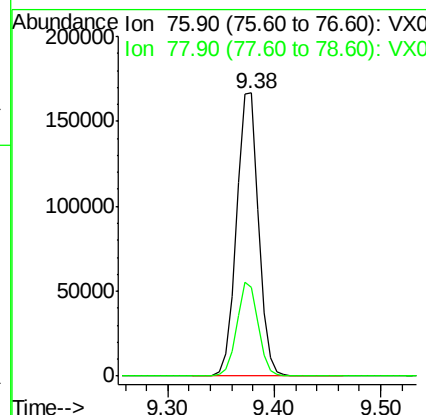
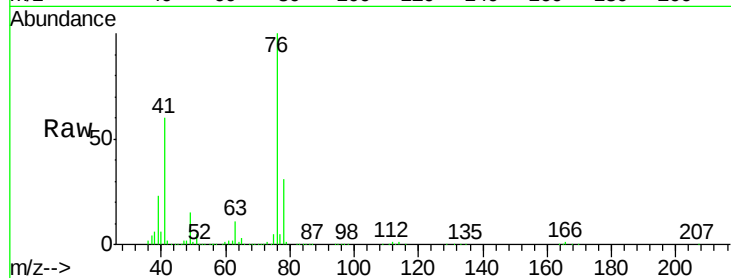




#57
 1,3-Dichloropropane
 Concen: 52.26 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

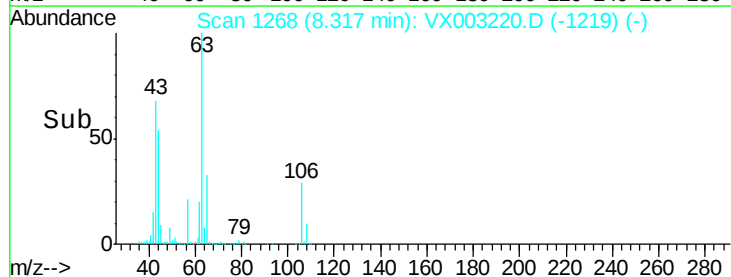
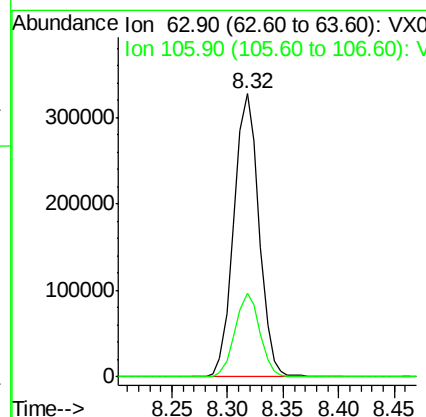
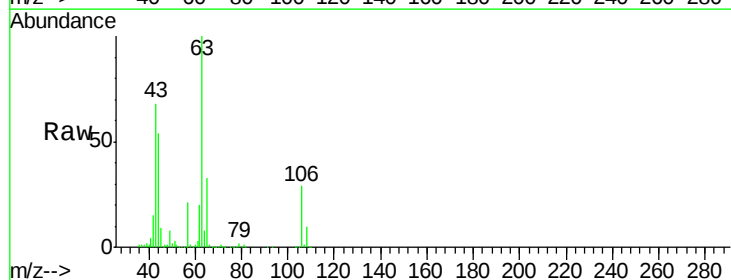
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 242583
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.92 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion: 63 Resp: 513993
 Ion Ratio Lower Upper
 63 100
 106 29.1 21.8 32.8

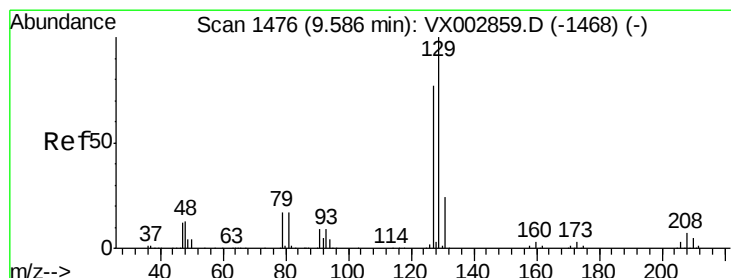
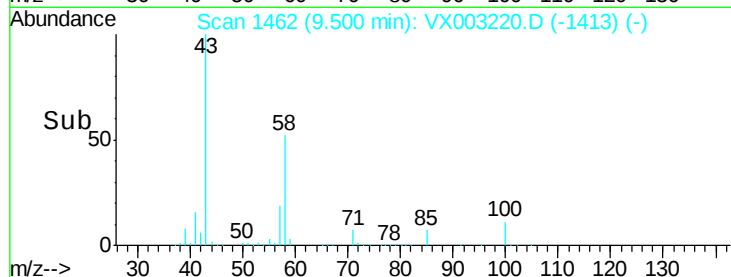
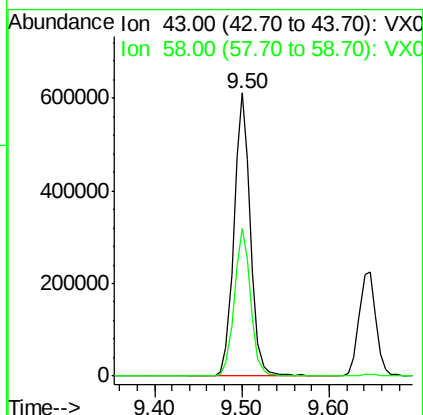
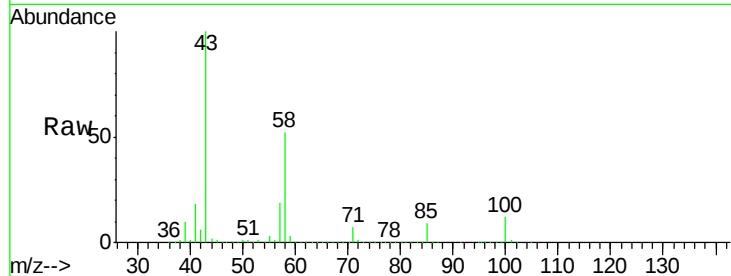




#59
2-Hexanone
Concen: 253.02 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

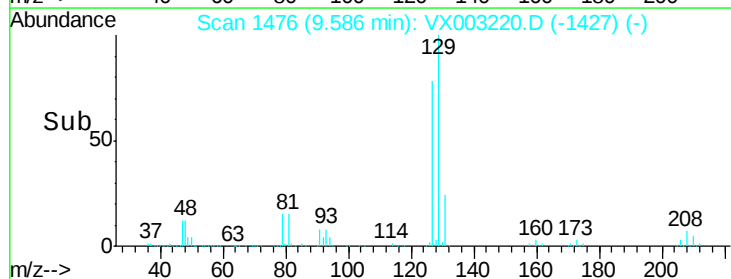
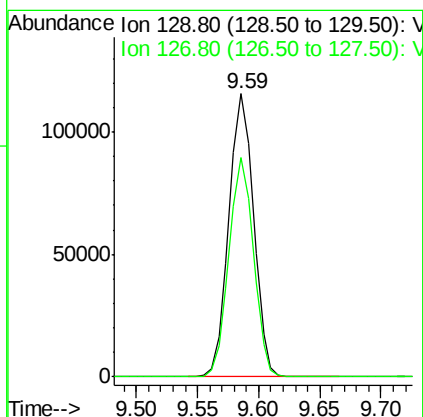
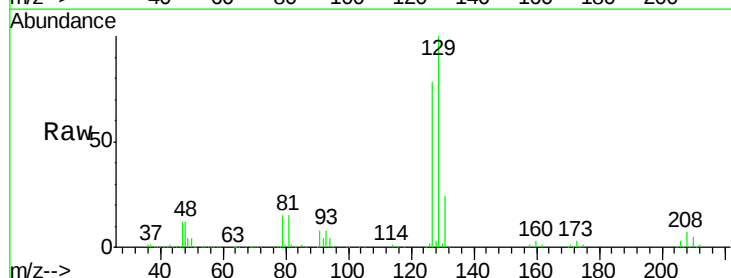
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

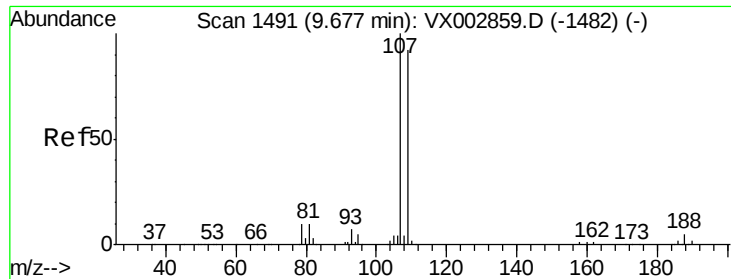
Tot Ion: 43 Resp: 802814
Ion Ratio Lower Upper
43 100
58 52.1 24.6 73.6



#60
Dibromochloromethane
Concen: 54.41 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 129 Resp: 161898
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.07 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

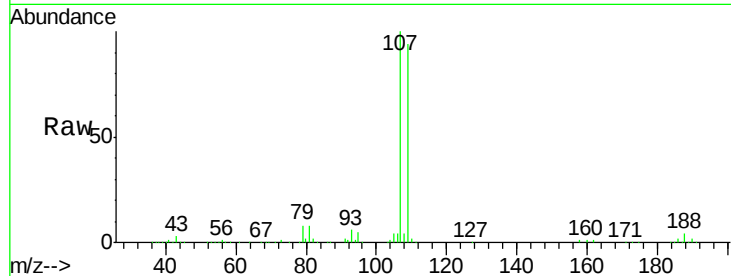
VSTDCCC050

Tot Ion:107 Resp: 157340

Ion Ratio Lower Upper

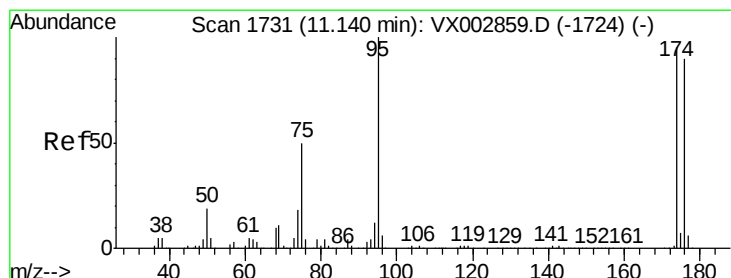
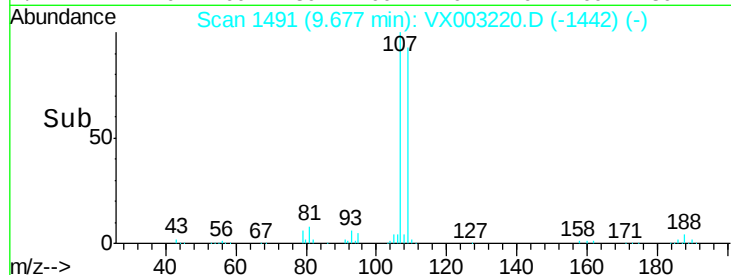
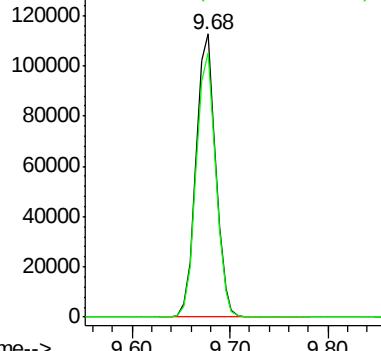
107 100

109 93.6 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: 47.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

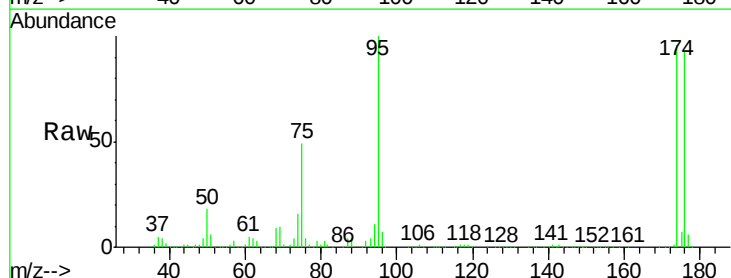
Tgt Ion: 95 Resp: 177670

Ion Ratio Lower Upper

95 100

174 98.0 0.0 187.4

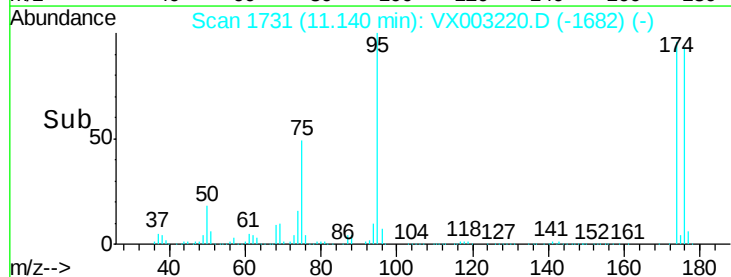
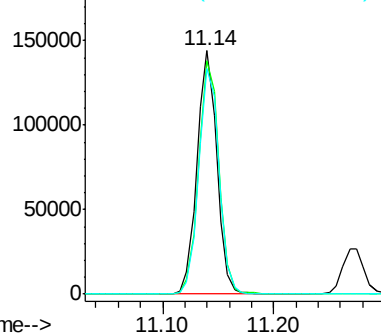
176 95.3 0.0 181.0

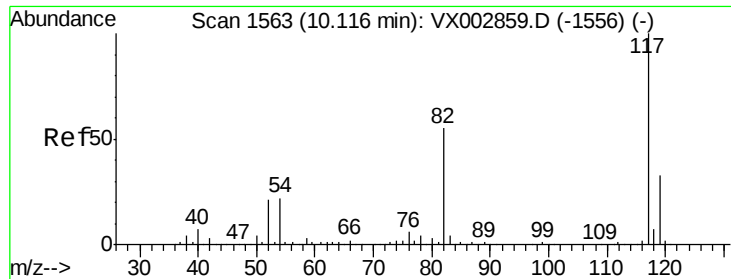


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

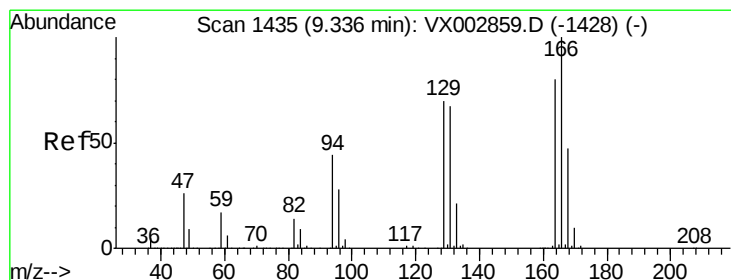
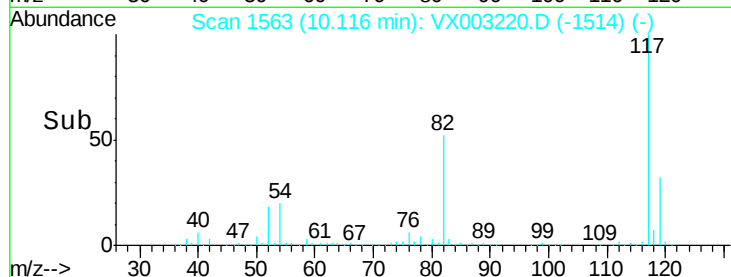
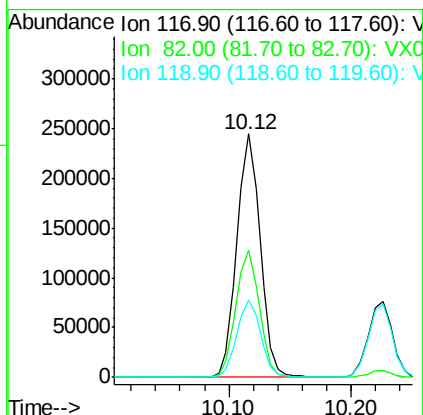
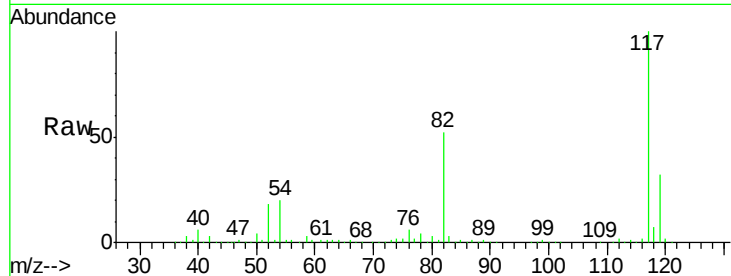




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

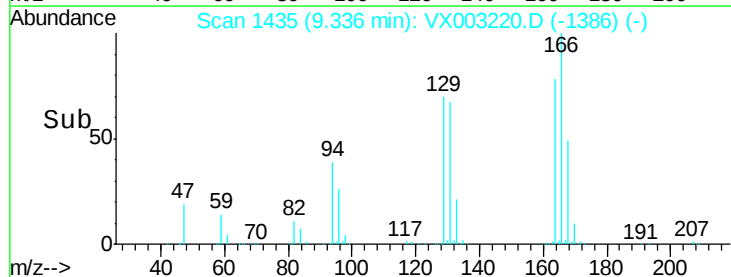
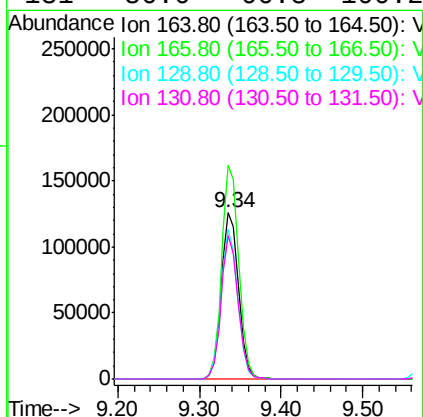
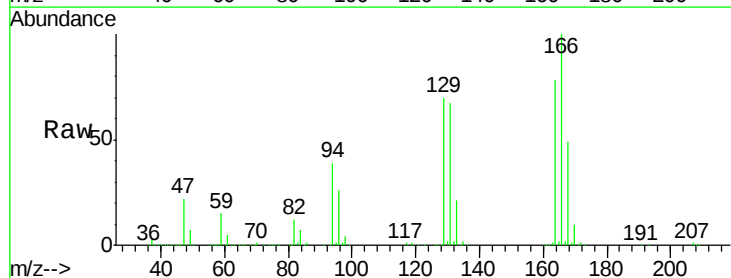
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 323502
Ion Ratio Lower Upper
117 100
82 52.1 45.0 67.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 51.34 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion:164 Resp: 184689
Ion Ratio Lower Upper
164 100
166 128.7 102.9 154.3
129 90.1 68.6 102.8
131 86.0 66.8 100.2

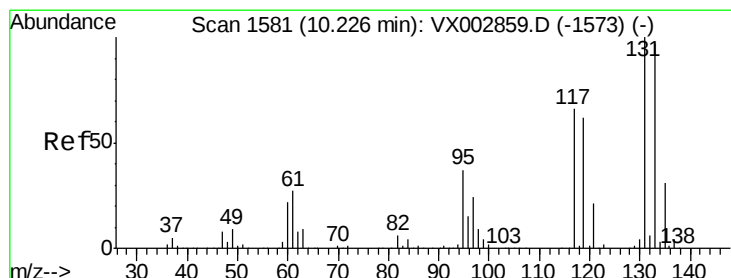
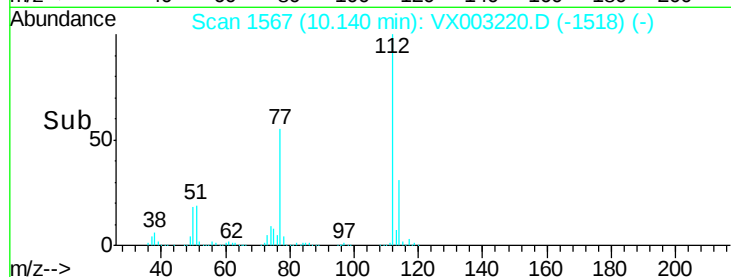
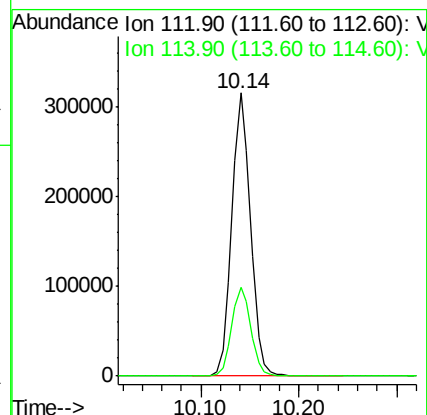
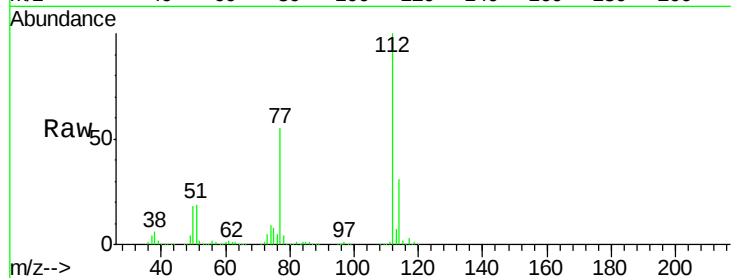




#65
Chlorobenzene
Concen: 51.27 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

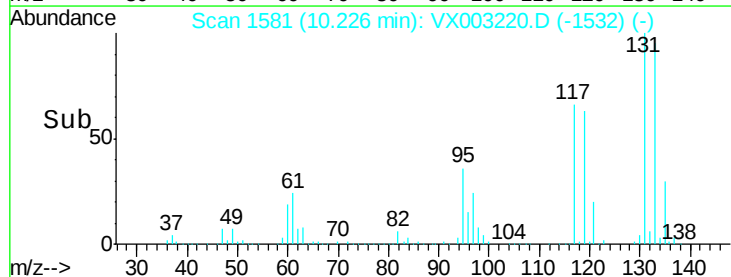
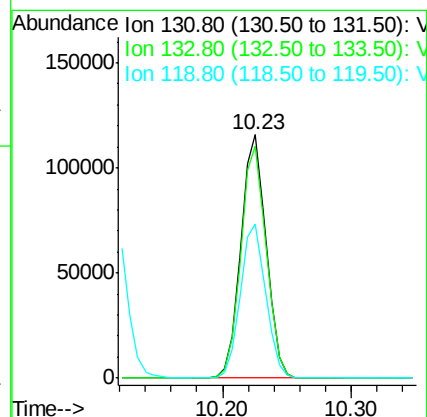
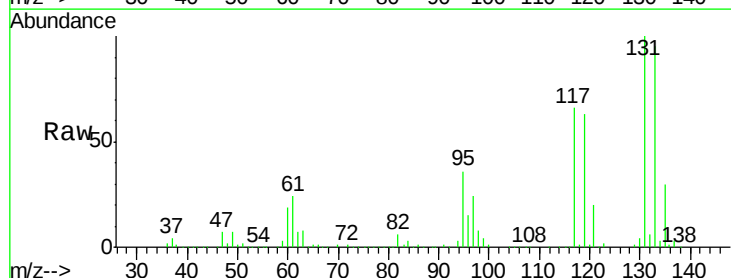
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

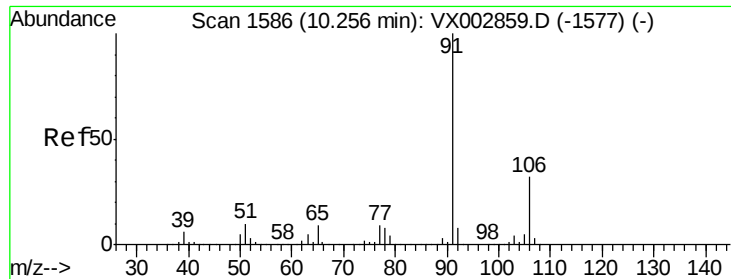
Tot Ion:112 Resp: 421251
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.80 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion:131 Resp: 157595
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 63.6 31.8 95.3

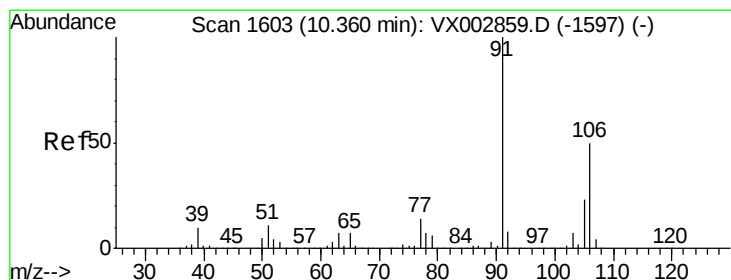
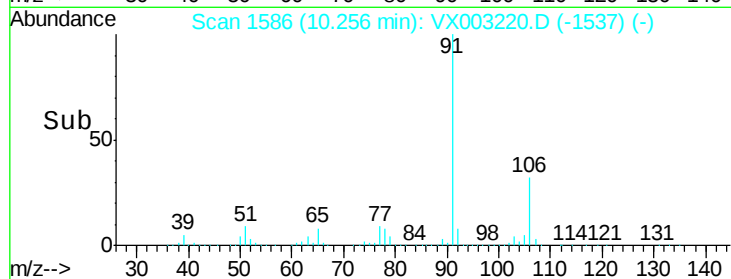
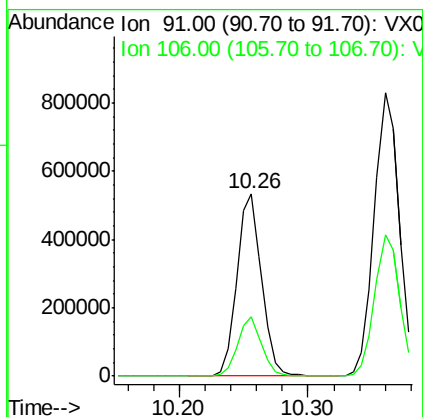
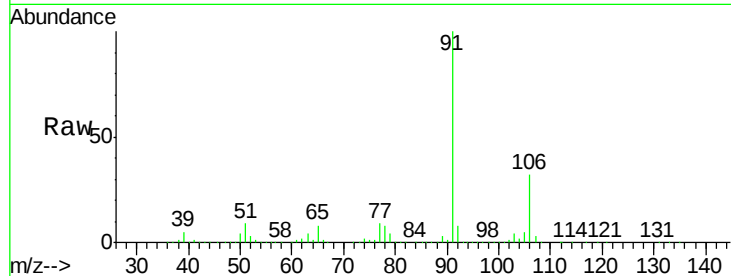




#67
Ethyl Benzene
Concen: 52.11 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

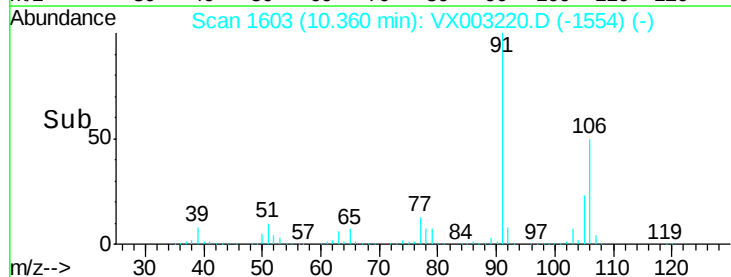
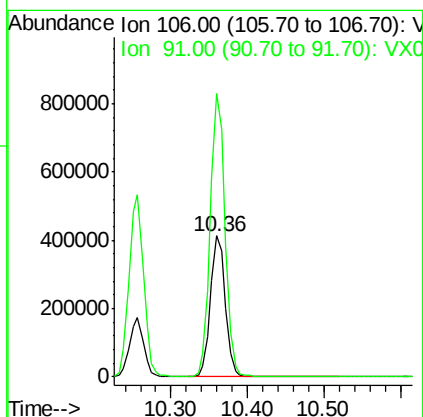
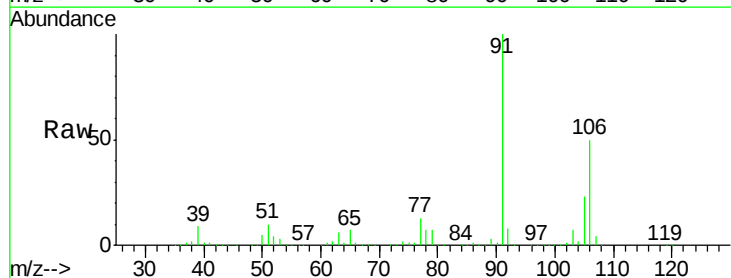
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

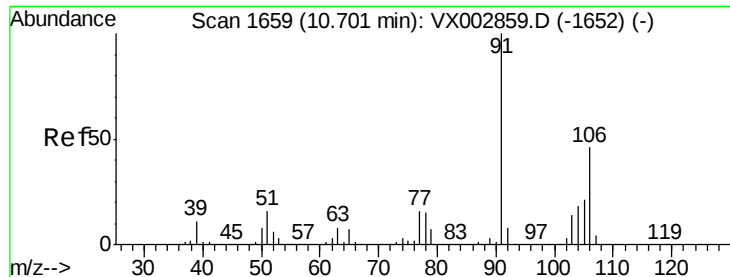
Tot Ion: 91 Resp: 707338
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 106.41 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 106 Resp: 556655
Ion Ratio Lower Upper
106 100
91 200.4 163.4 245.2

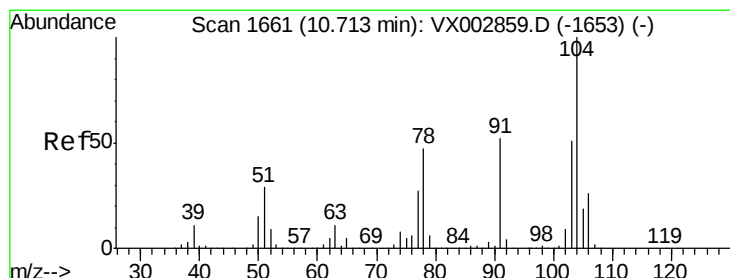
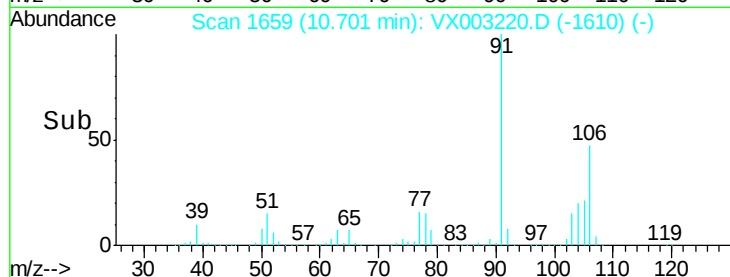
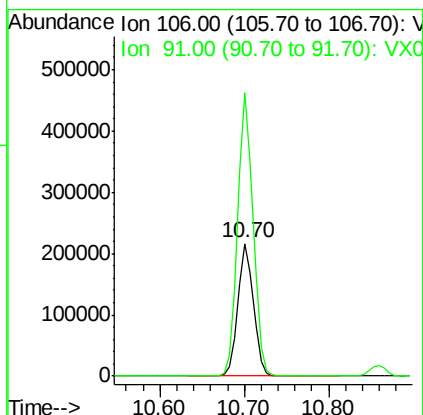
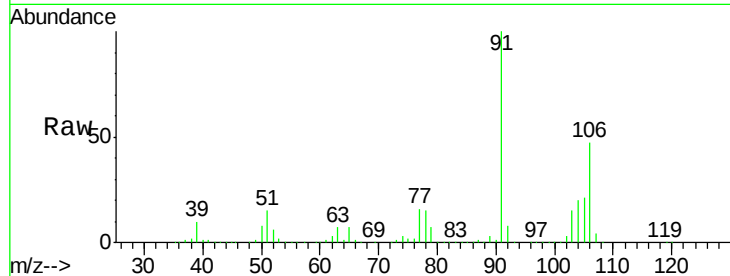




#69
o-Xylene
Concen: 52.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

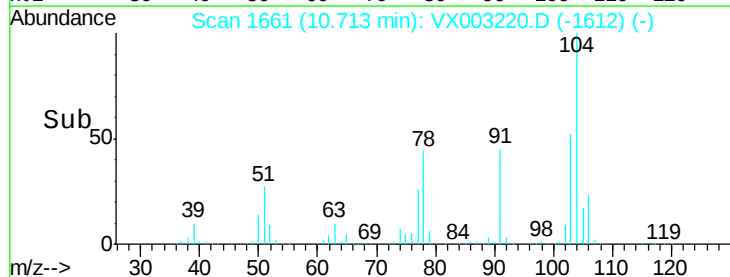
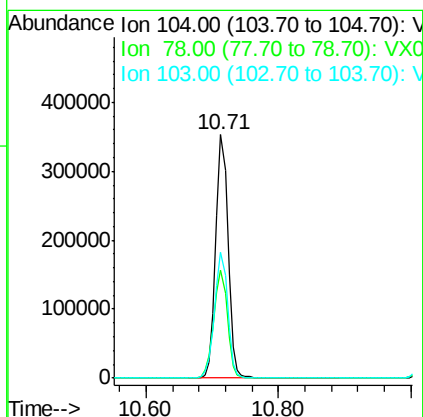
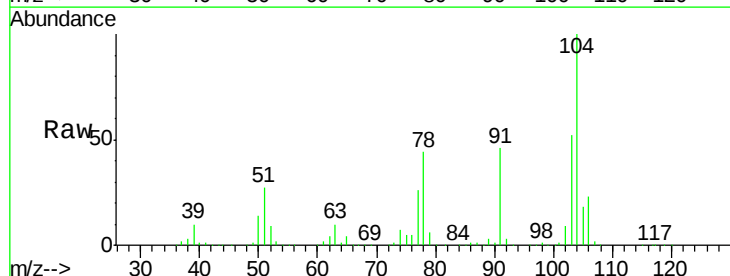
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

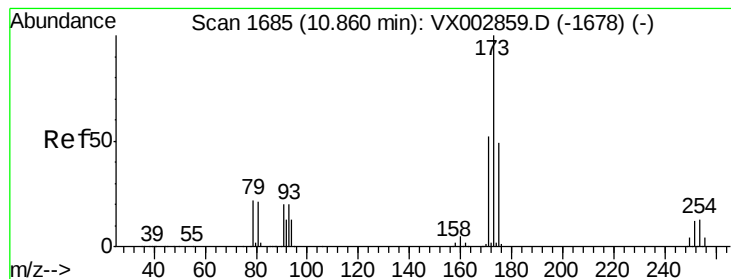
Tot Ion:106 Resp: 268261
Ion Ratio Lower Upper
106 100
91 212.7 108.2 324.6



#70
Styrene
Concen: 54.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion:104 Resp: 452148
Ion Ratio Lower Upper
104 100
78 49.2 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 48.07 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

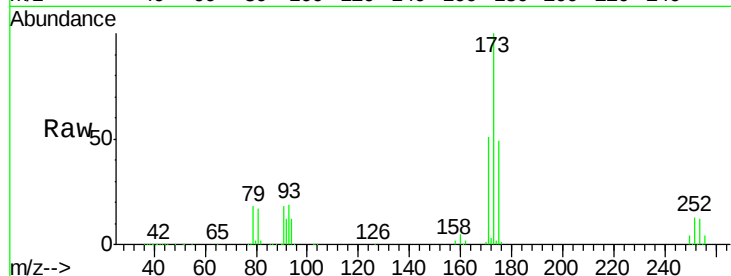
Tot Ion:173 Resp: 129214

Ion Ratio Lower Upper

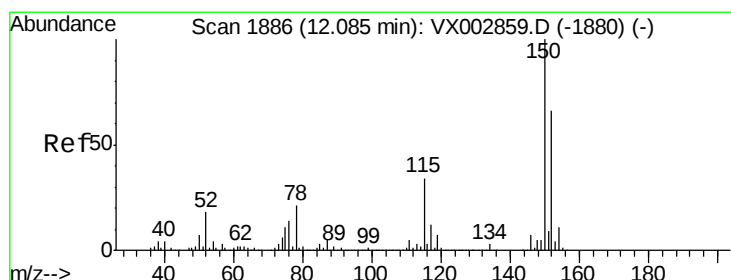
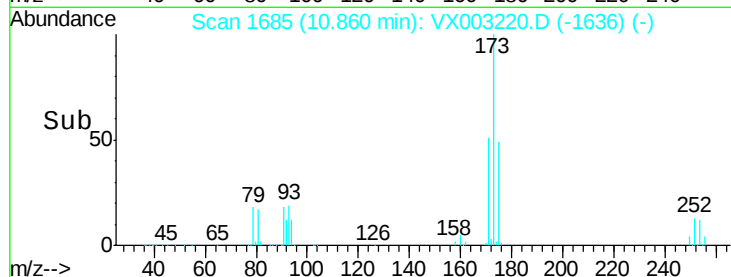
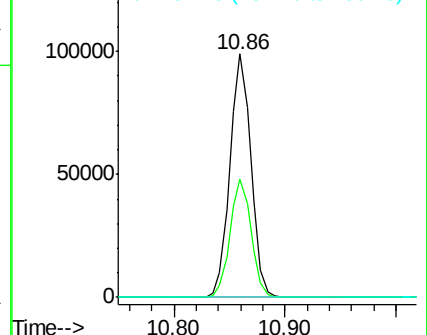
173 100

175 48.6 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# 1885

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

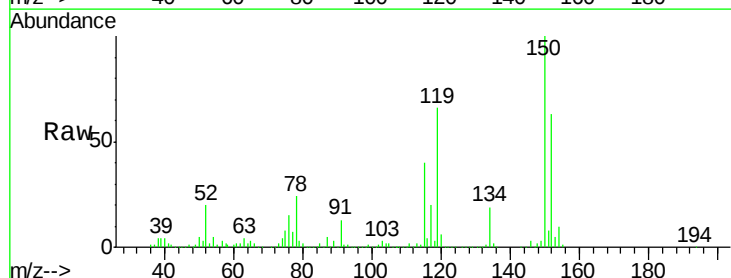
Tgt Ion:152 Resp: 208718

Ion Ratio Lower Upper

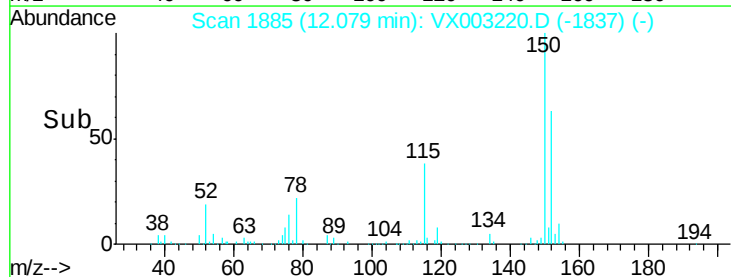
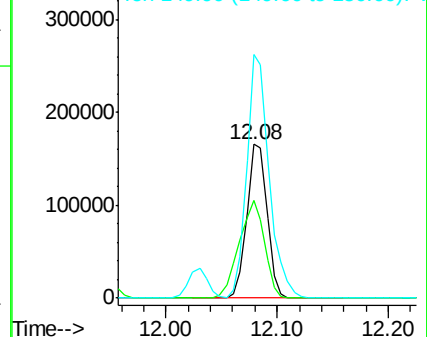
152 100

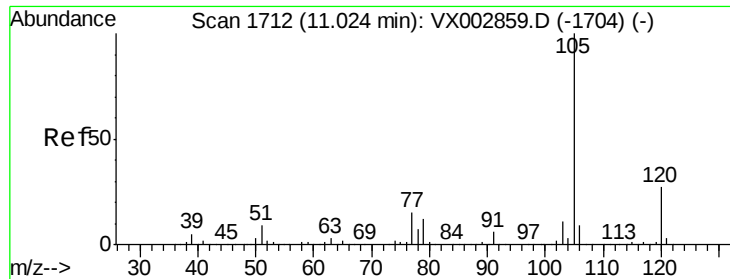
115 78.8 40.1 120.2

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: 52.77 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

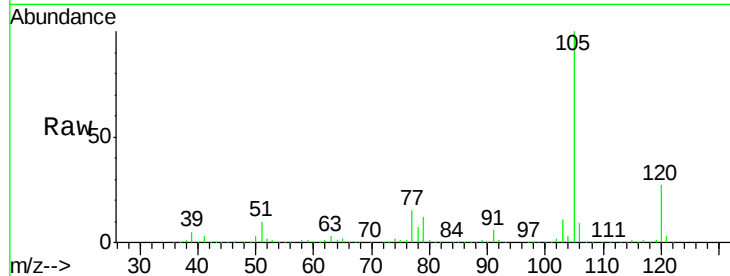
VSTDCCC050

Tot Ion:105 Resp: 740984

Ion Ratio Lower Upper

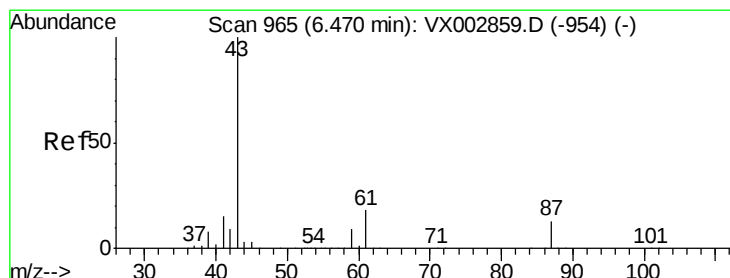
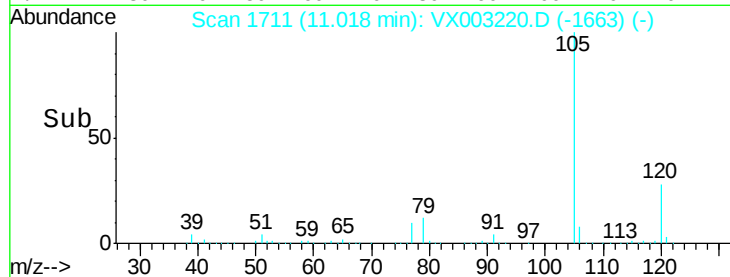
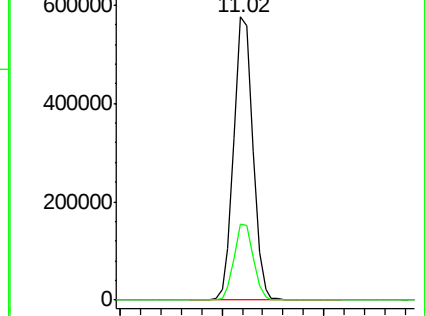
105 100

120 27.1 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: 47.88 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion: 43 Resp: 328935

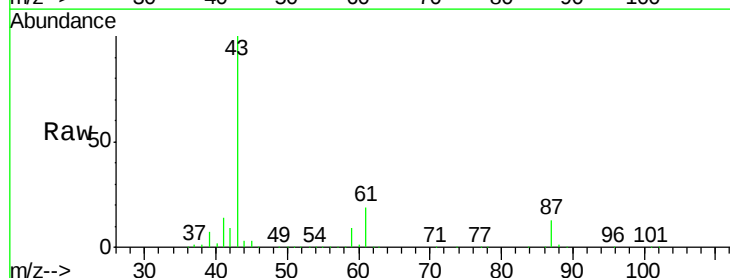
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.1 14.4 21.6

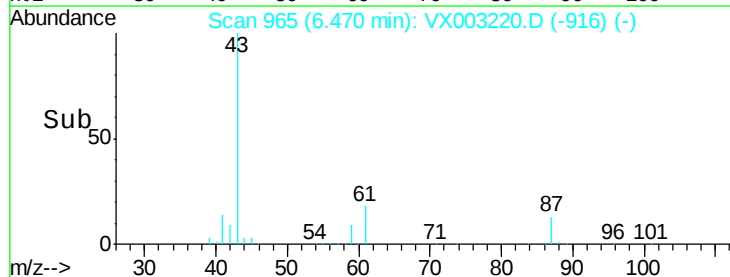
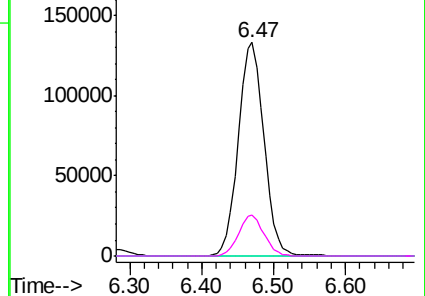


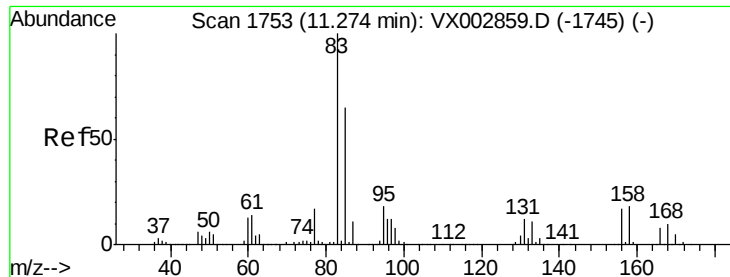
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.76 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

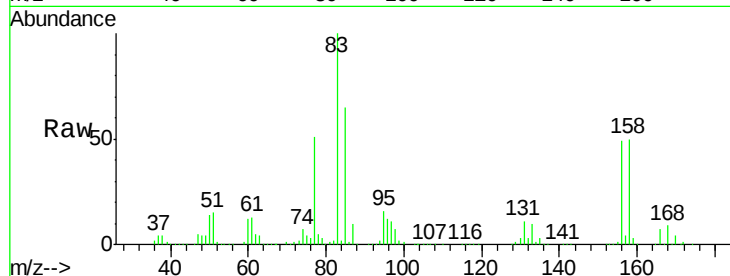
Tot Ion: 83 Resp: 219547

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

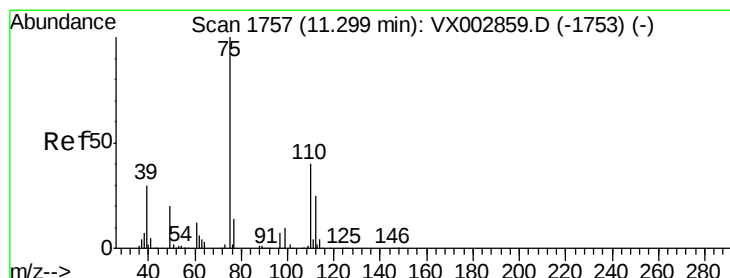
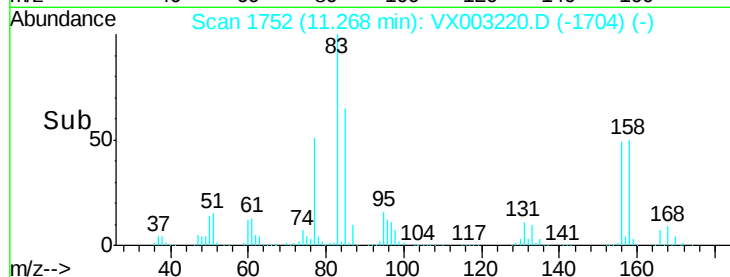
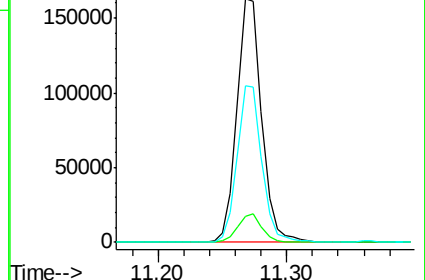
85 64.3 32.4 97.2



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: 66.30 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003220.D

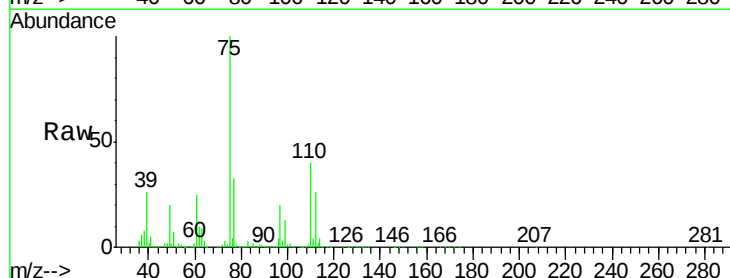
Acq: 06 Jul 2018 18:08

Tgt Ion: 75 Resp: 250668

Ion Ratio Lower Upper

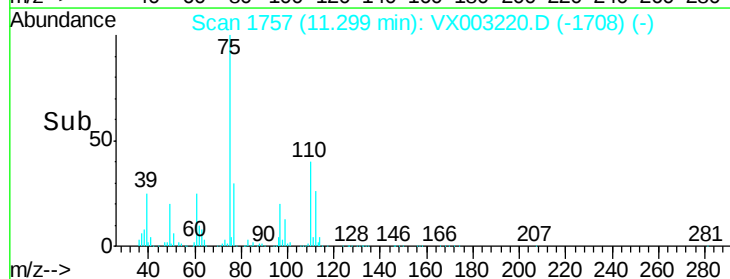
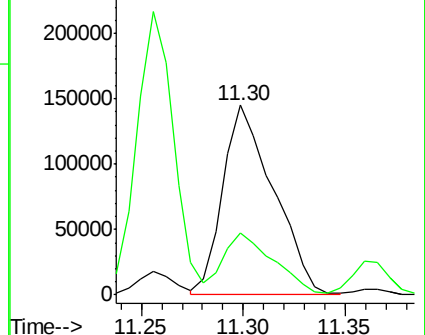
75 100

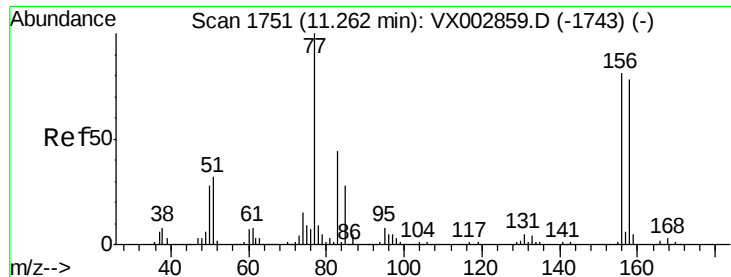
77 32.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.31 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

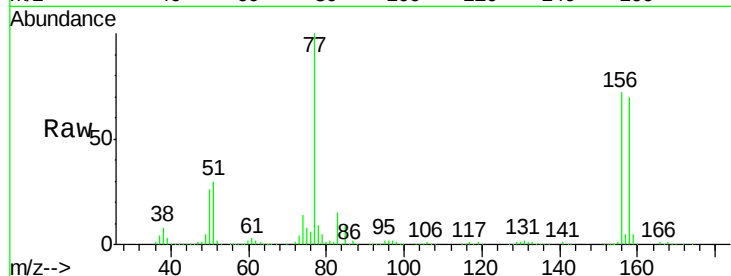
Tot Ion:156 Resp: 205157

Ion Ratio Lower Upper

156 100

77 133.2 71.4 214.2

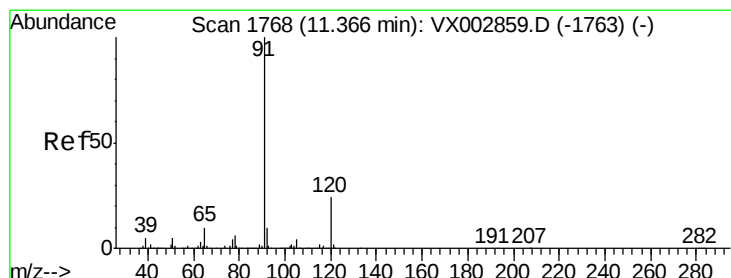
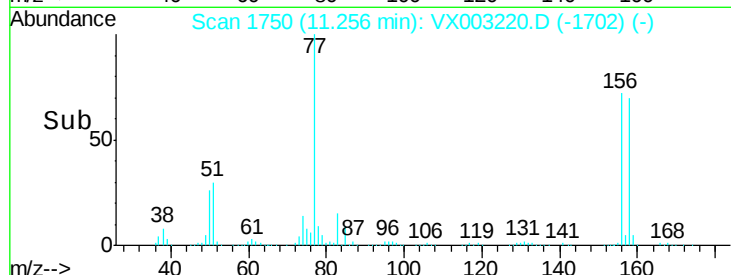
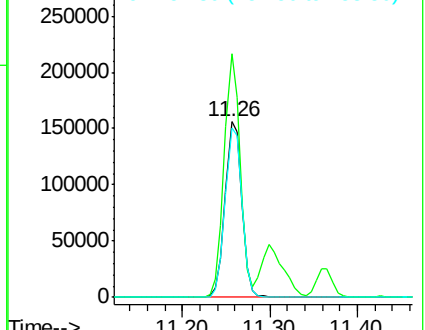
158 97.7 48.9 146.6



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: 52.41 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003220.D

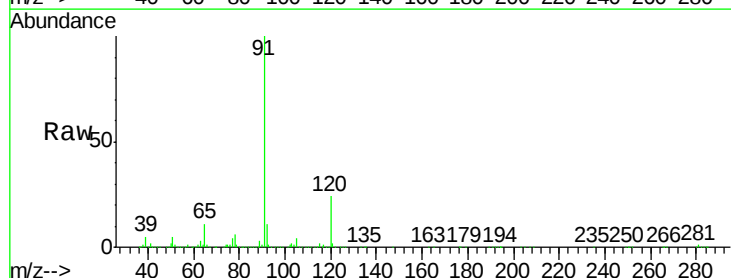
Acq: 06 Jul 2018 18:08

Tgt Ion: 91 Resp: 837616

Ion Ratio Lower Upper

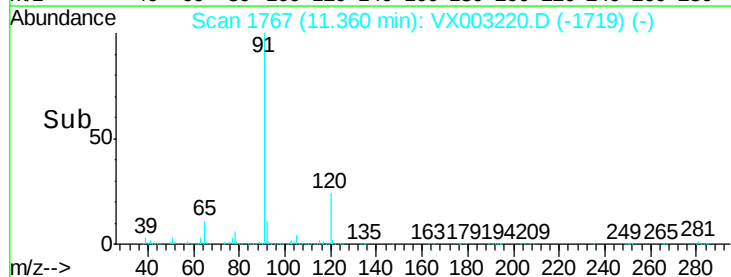
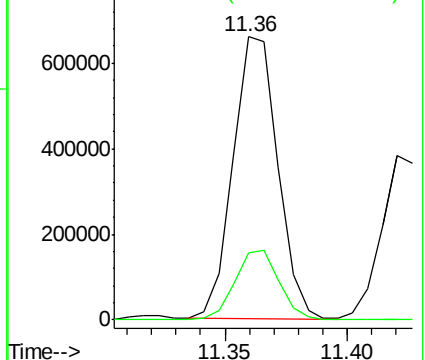
91 100

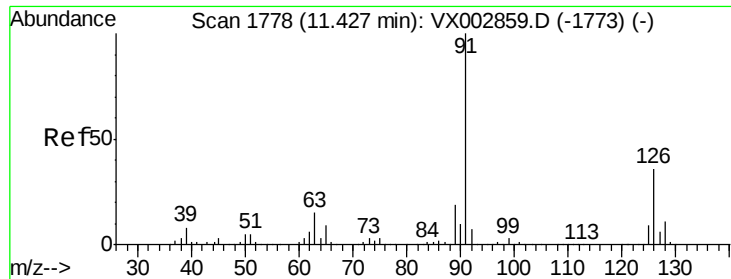
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.63 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

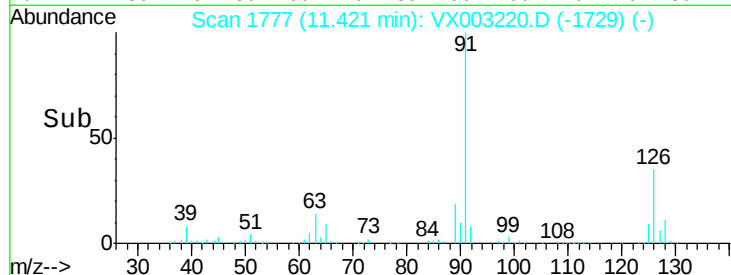
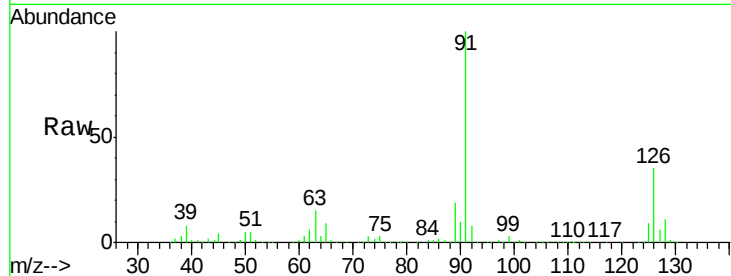
VSTDCCC050

Tot Ion: 91 Resp: 489941

Ion Ratio Lower Upper

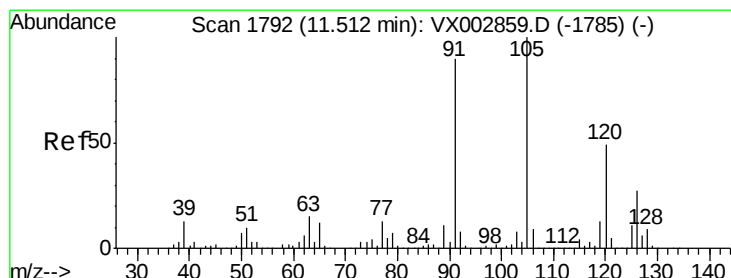
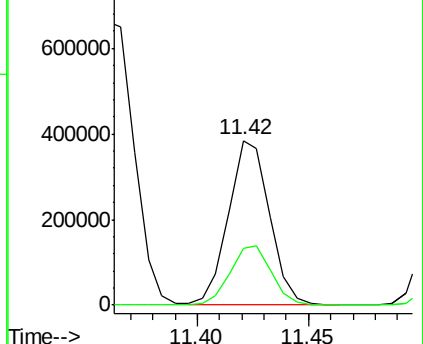
91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.16 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003220.D

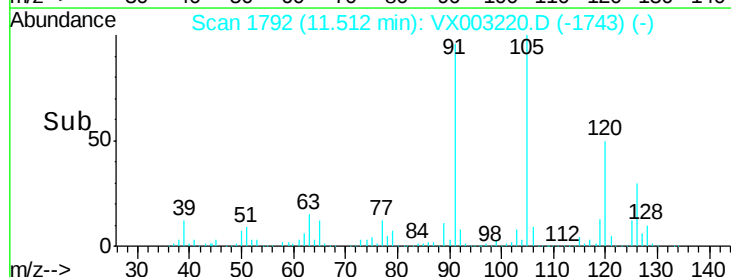
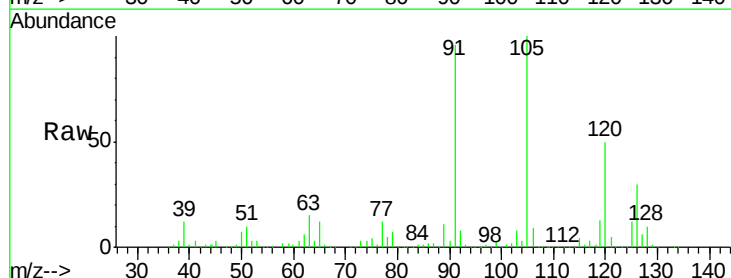
Acq: 06 Jul 2018 18:08

Tgt Ion:105 Resp: 616801

Ion Ratio Lower Upper

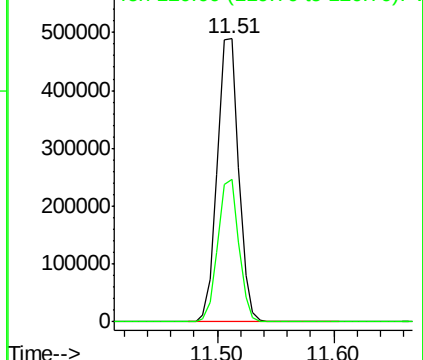
105 100

120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.33 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

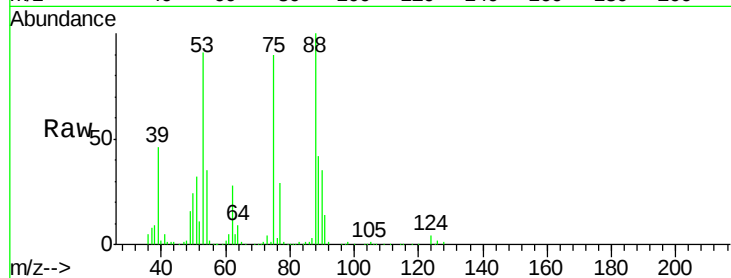
Tot Ion: 75 Resp: 61419

Ion Ratio Lower Upper

75 100

53 103.3 86.8 130.2

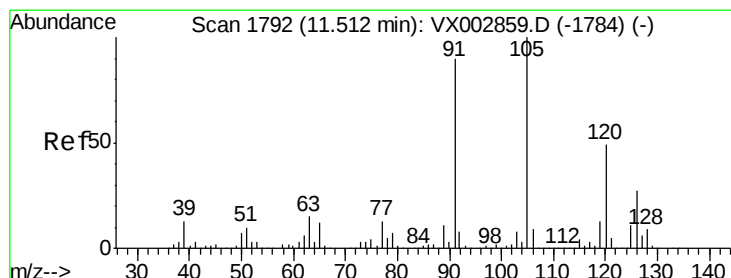
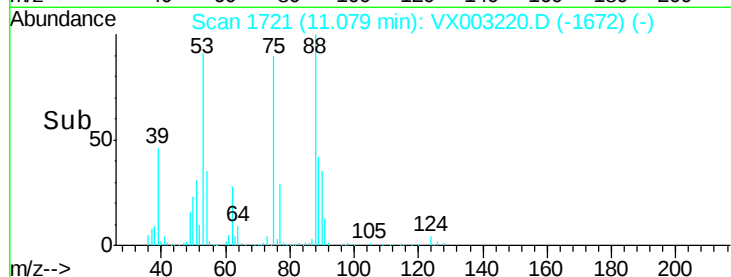
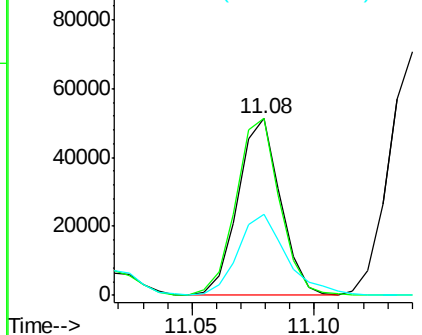
89 52.8 38.2 57.2



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: 50.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003220.D

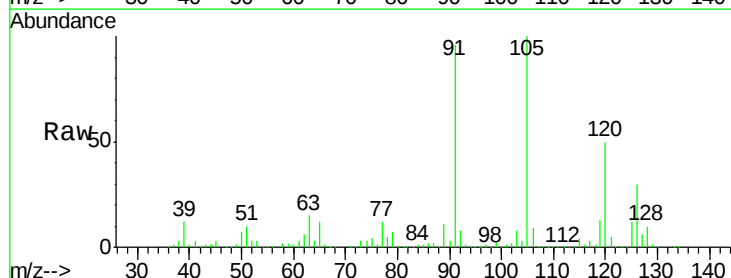
Acq: 06 Jul 2018 18:08

Tgt Ion: 91 Resp: 582876

Ion Ratio Lower Upper

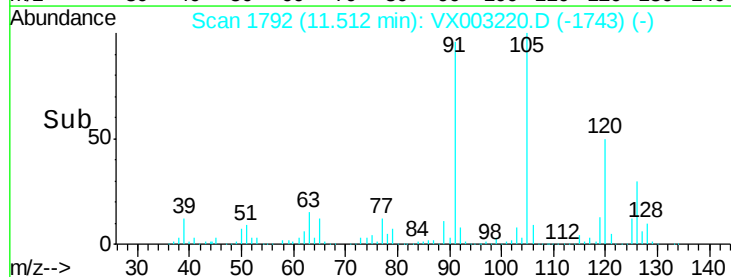
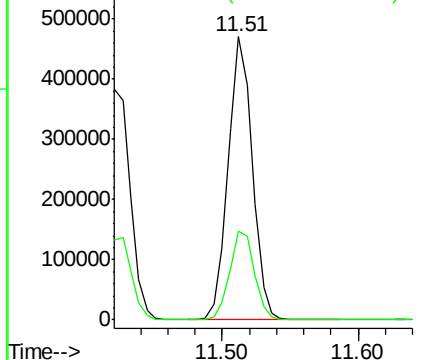
91 100

126 32.0 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

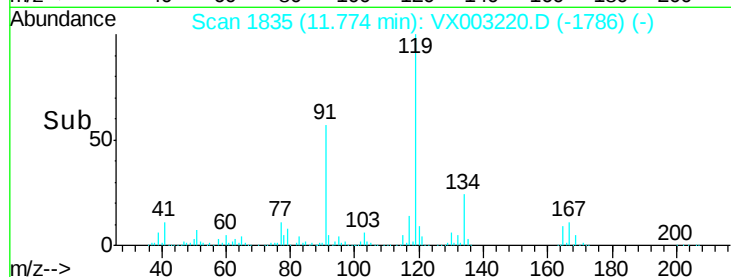
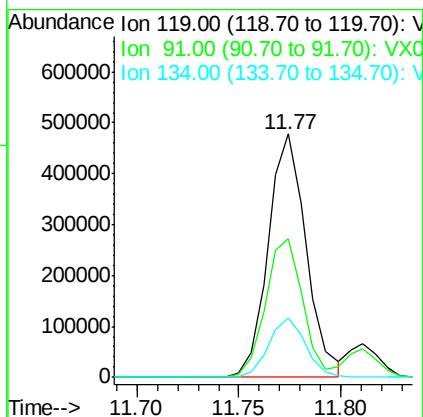
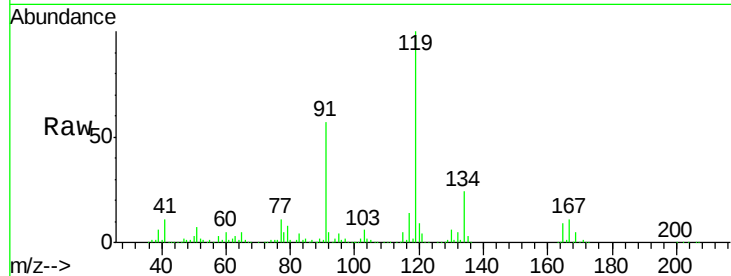




#83
 tert-Butylbenzene
 Concen: 53.05 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

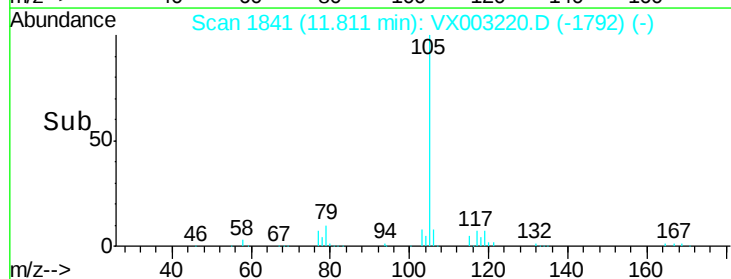
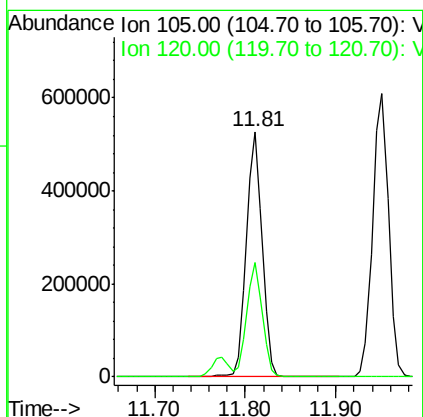
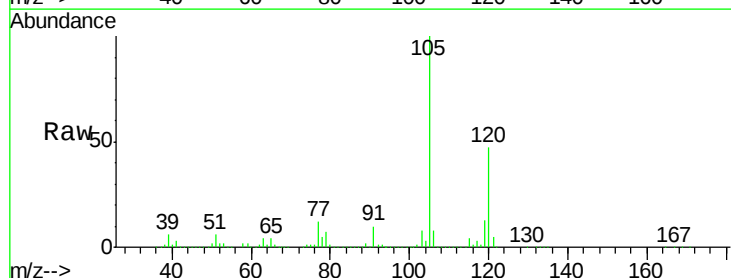
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

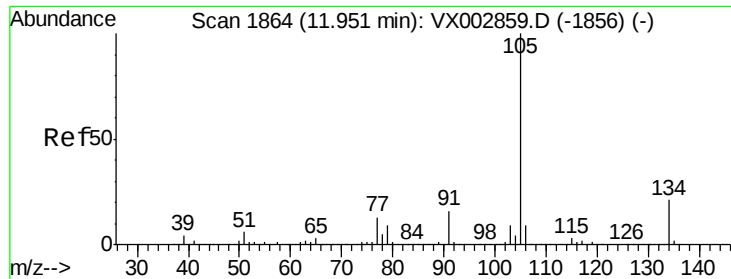
Tot Ion:119 Resp: 618336
 Ion Ratio Lower Upper
 119 100
 91 55.5 30.3 90.9
 134 23.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.12 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion:105 Resp: 638584
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 52.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

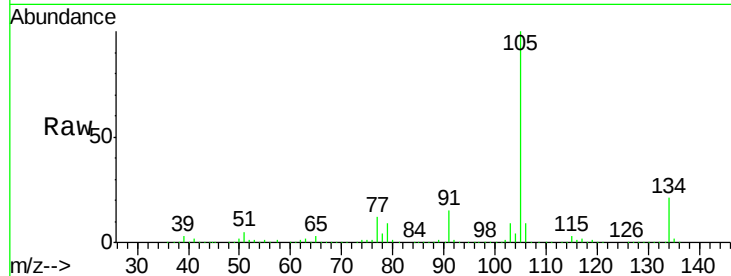
VSTDCCC050

Tot Ion:105 Resp: 743618

Ion Ratio Lower Upper

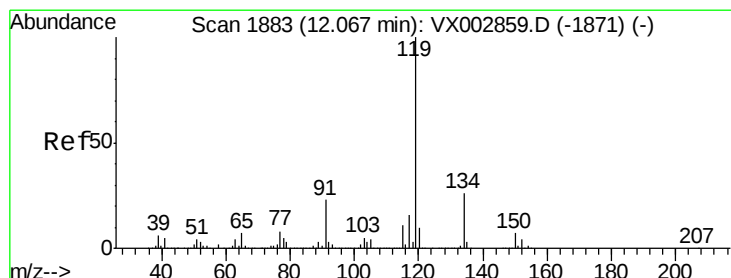
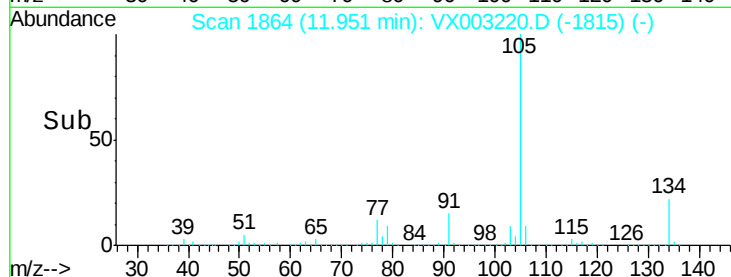
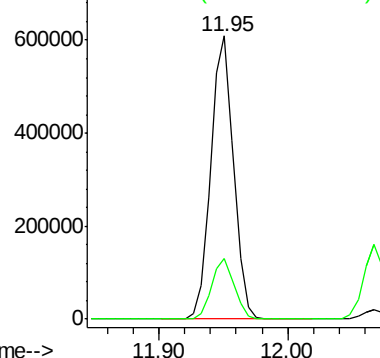
105 100

134 21.2 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: 53.75 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

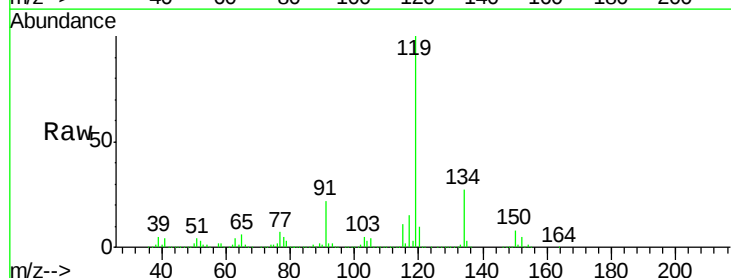
Tgt Ion:119 Resp: 683251

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

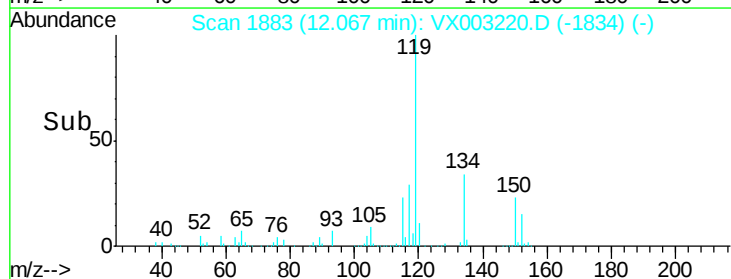
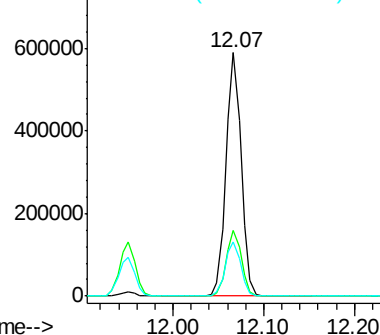
91 22.9 11.9 35.7

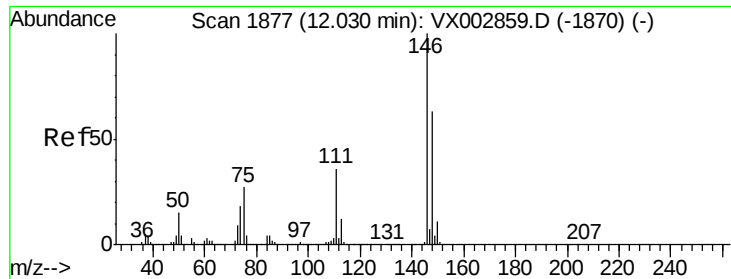


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.74 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

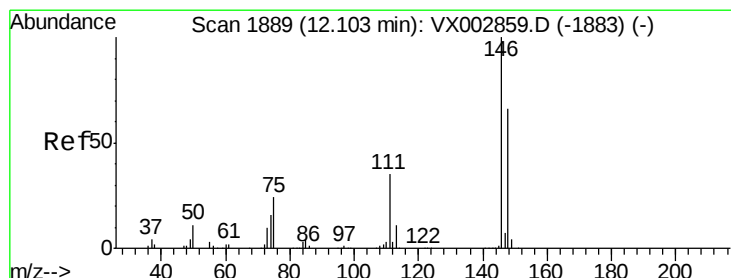
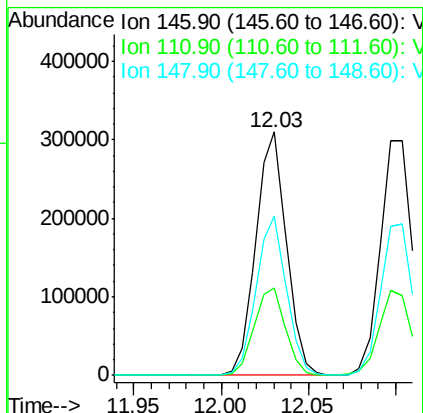
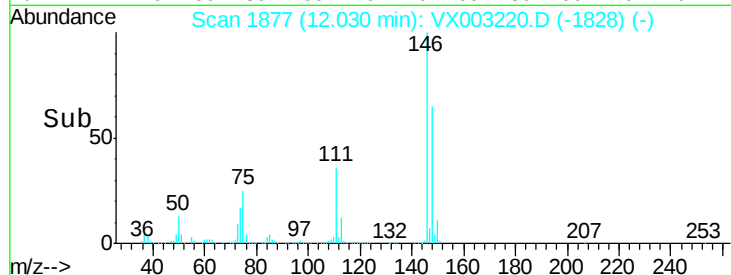
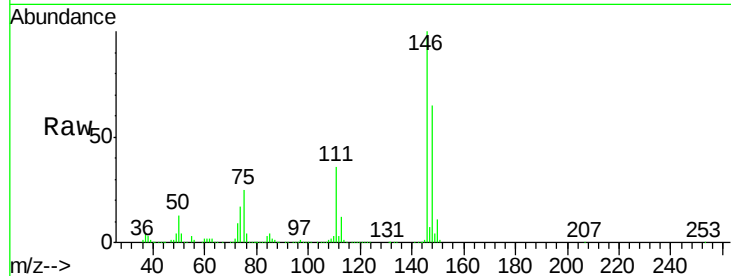
Tot Ion:146 Resp: 377832

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

148 64.5 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 50.57 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

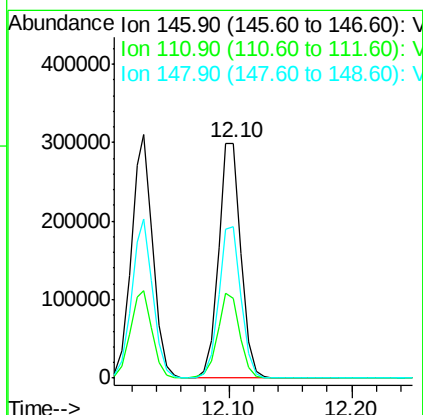
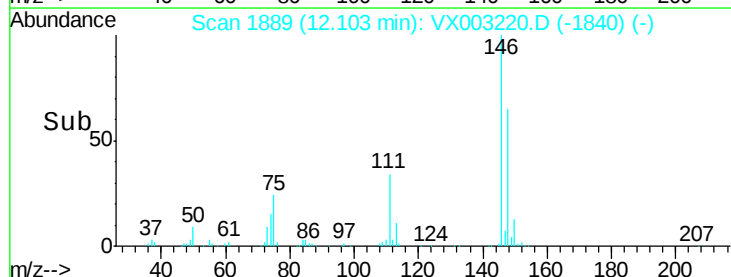
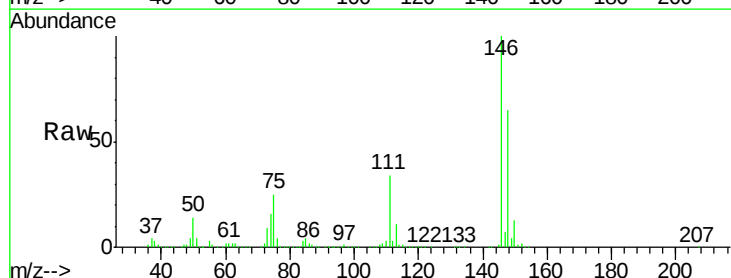
Tgt Ion:146 Resp: 380044

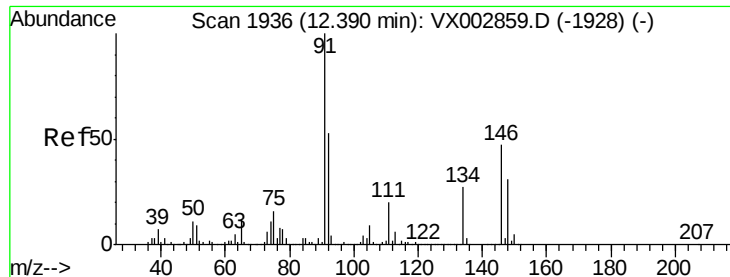
Ion Ratio Lower Upper

146 100

111 35.8 18.7 56.1

148 64.6 32.4 97.0

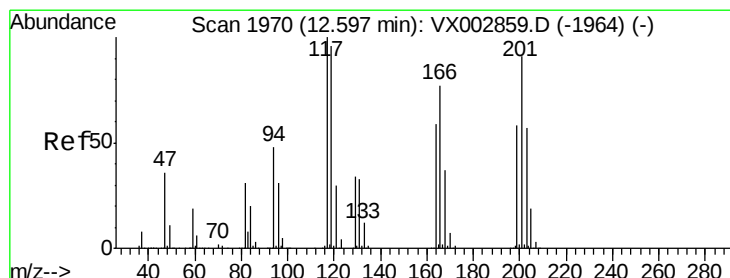
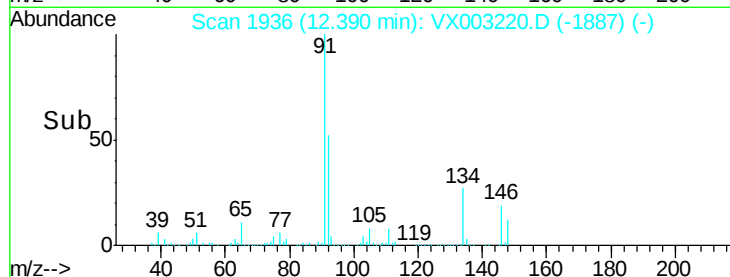
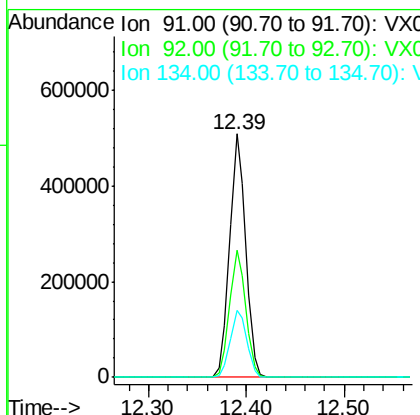
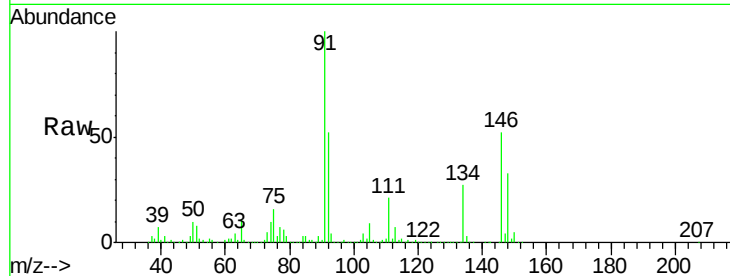




#89
n-Butylbenzene
Concen: 52.48 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

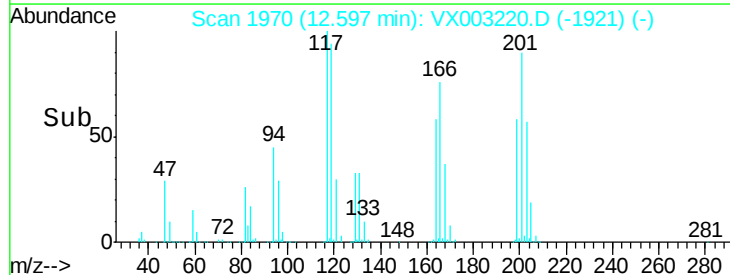
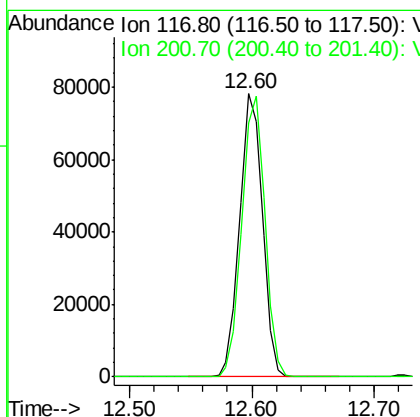
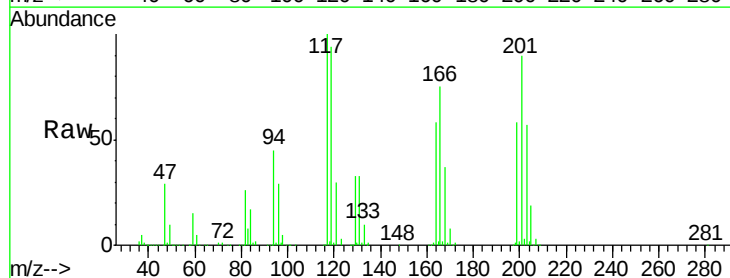
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

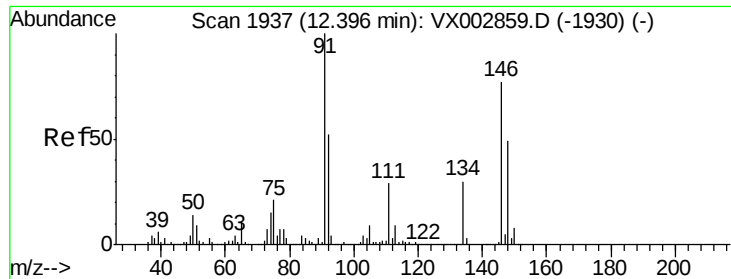
Tot Ion: 91 Resp: 580651
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 28.3 13.5 40.5



#90
Hexachloroethane
Concen: 53.12 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 117 Resp: 100442
Ion Ratio Lower Upper
117 100
201 100.8 49.0 147.0

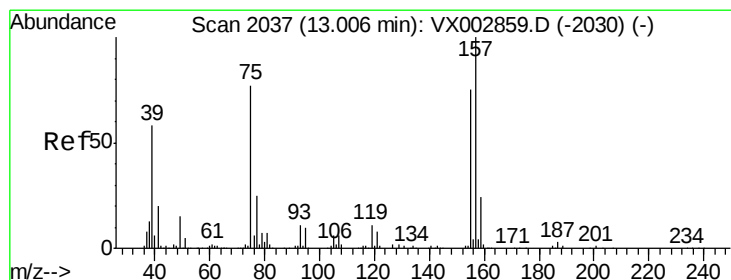
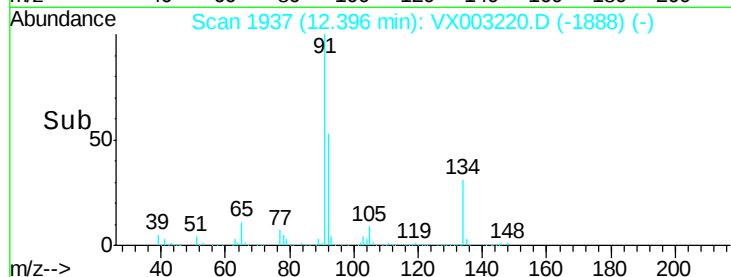
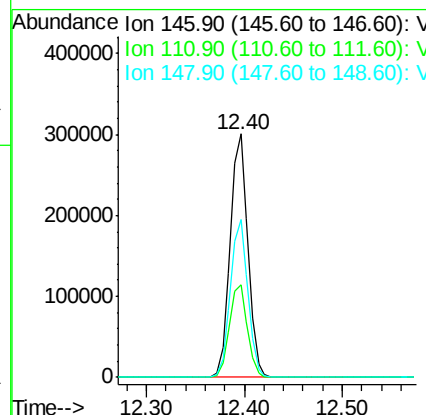
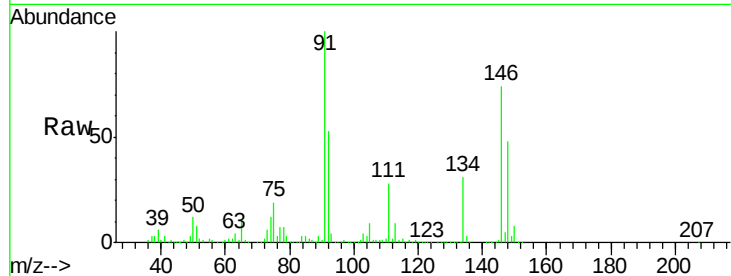




#91
 1,2-Dichlorobenzene
 Concen: 51.00 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

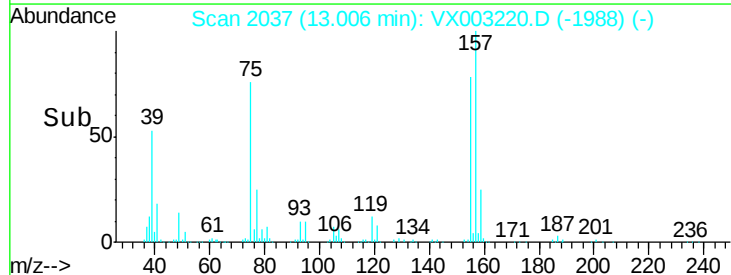
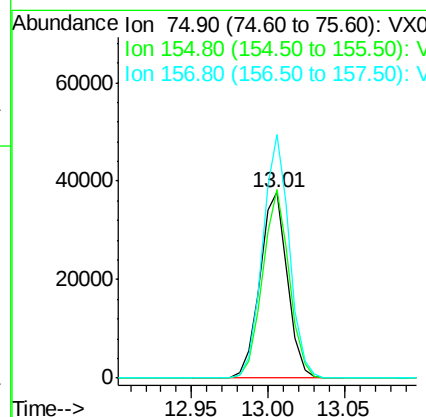
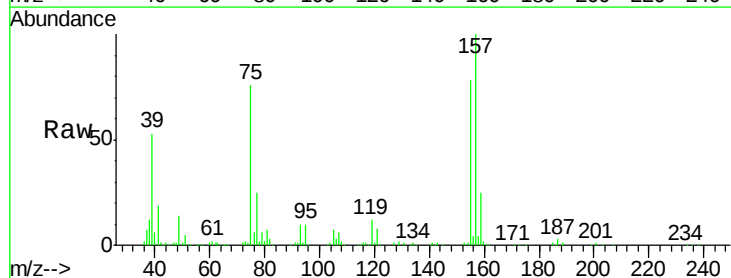
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 375938
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.1
 148 64.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.61 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion: 75 Resp: 47263
 Ion Ratio Lower Upper
 75 100
 155 98.4 45.8 137.4
 157 126.9 60.1 180.3

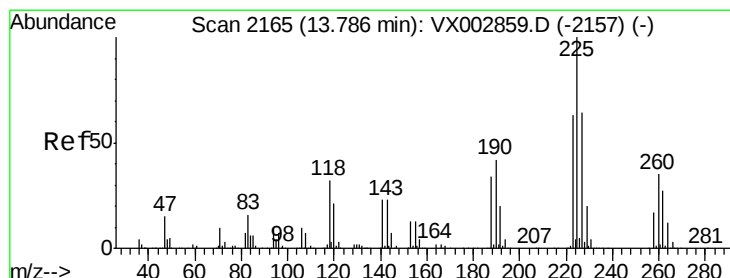
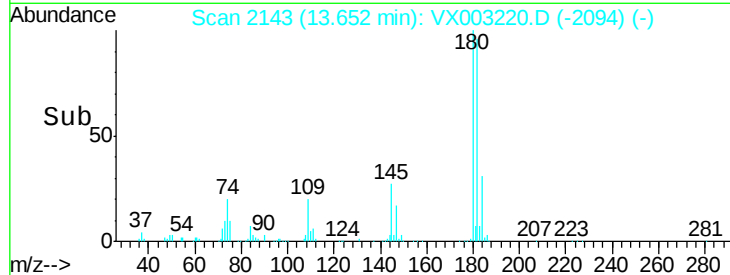
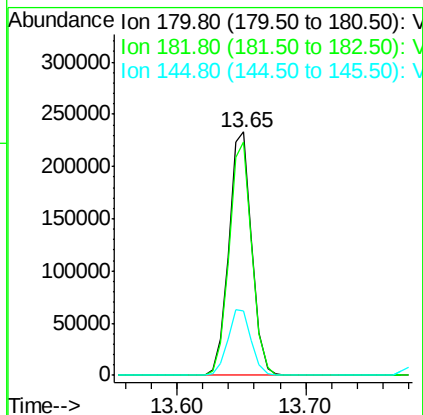
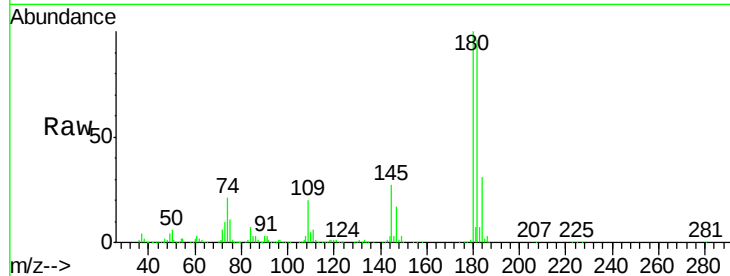




#93
 1,2,4-Trichlorobenzene
 Concen: 54.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

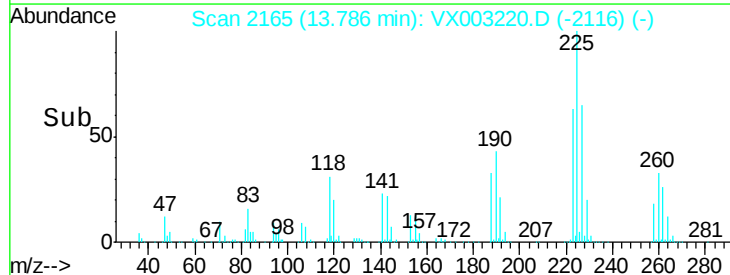
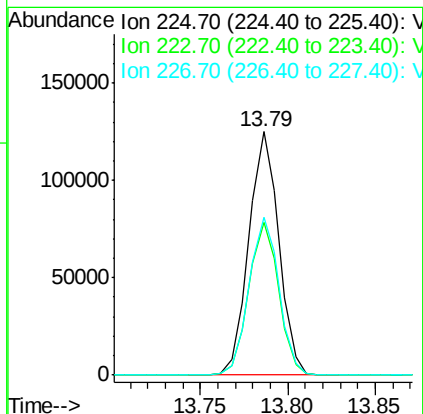
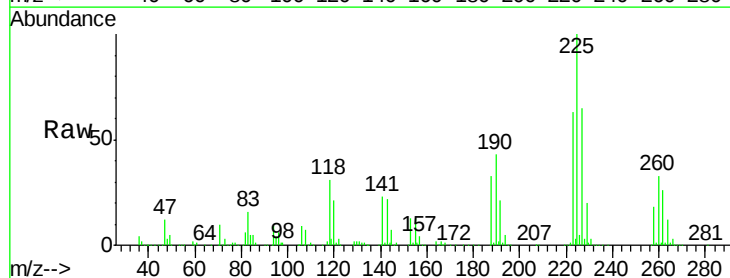
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

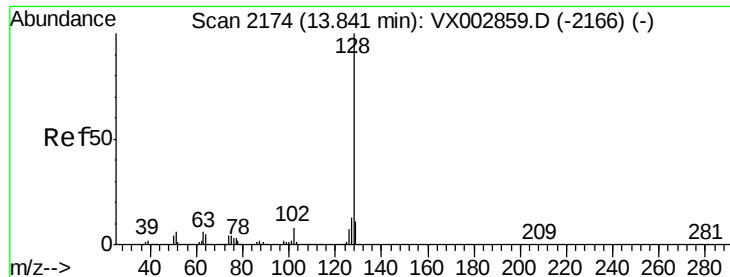
Tot Ion:180 Resp: 289701
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 55.51 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion:225 Resp: 148505
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 95.0
 227 65.1 32.4 97.2





#95

Naphthalene

Concen: 54.31 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

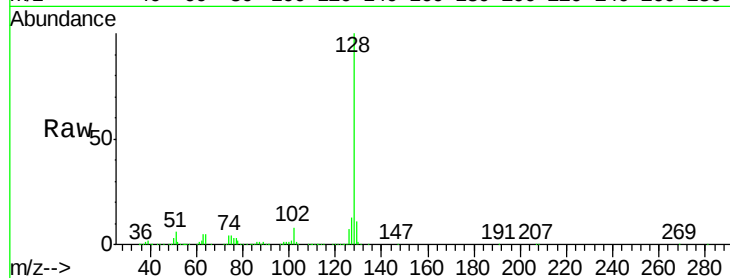
Tot Ion:128 Resp: 775949

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

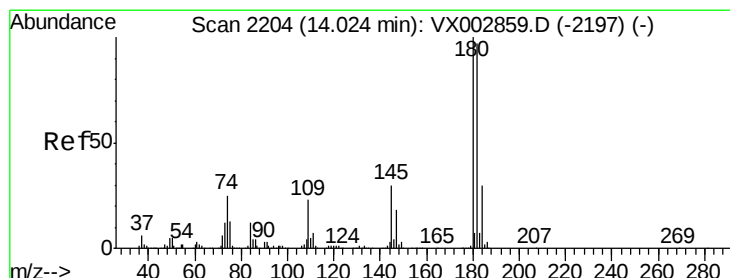
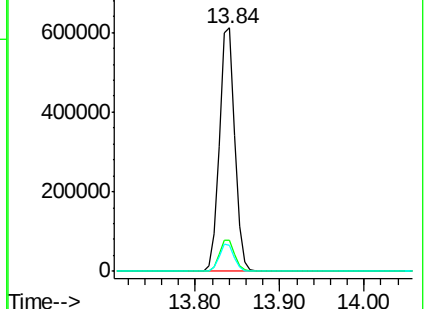
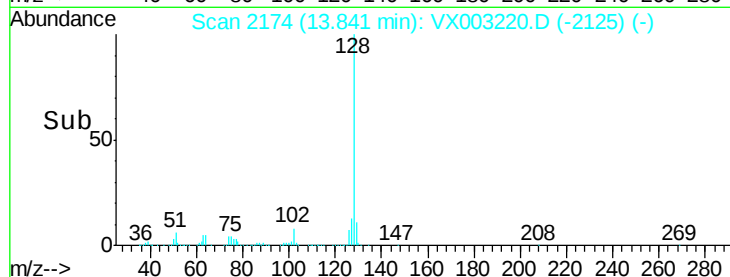
129 10.9 8.6 13.0



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: 56.76 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

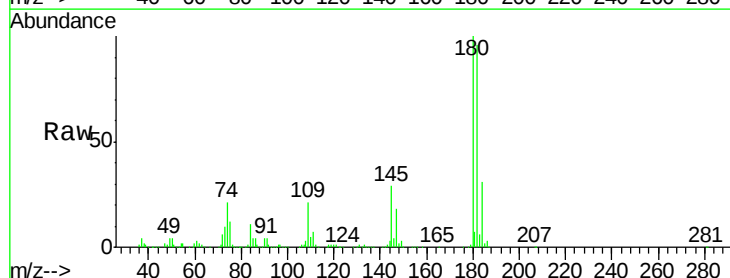
Tgt Ion:180 Resp: 304103

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.0

145 29.3 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

