

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003071.D
 Acq On : 30 Jun 2018 10:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 02 02:36:03 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	298929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230443	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	181810	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	
35) Dibromofluoromethane	5.50	113	152814	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	8.72	98	544111	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.14	95	206264	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	145353	54.49	ug/l	97
3) Chloromethane	1.32	50	135000	48.69	ug/l	99
4) Vinyl Chloride	1.40	62	152403	45.08	ug/l	96
5) Bromomethane	1.64	94	78671	49.84	ug/l	100
6) Chloroethane	1.72	64	94853	47.73	ug/l	98
7) Trichlorofluoromethane	1.93	101	249407	43.74	ug/l	98
8) Diethyl Ether	2.19	74	90251	43.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	148587	44.97	ug/l	98
10) Methyl Iodide	2.51	142	137538	42.16	ug/l	98
11) Tert butyl alcohol	3.07	59	160527	195.03	ug/l	99
12) 1,1-Dichloroethene	2.37	96	128368	43.54	ug/l	93
13) Acrolein	2.29	56	86524	190.64	ug/l	99
14) Allyl chloride	2.73	41	252846	43.51	ug/l	96
15) Acrylonitrile	3.15	53	367665	209.13	ug/l	100
16) Acetone	2.45	43	468566	273.84	ug/l	97
17) Carbon Disulfide	2.57	76	338292	43.07	ug/l	98
18) Methyl Acetate	2.78	43	177127	37.02	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	457869	43.20	ug/l	99
20) Methylene Chloride	2.85	84	141716	42.56	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	138490	43.13	ug/l	96
22) Diisopropyl ether	3.87	45	480119	43.22	ug/l	99
23) Vinyl Acetate	3.82	43	2086593	221.83	ug/l	99
24) 1,1-Dichloroethane	3.70	63	258382	42.79	ug/l	100
25) 2-Butanone	4.70	43	610249	240.31	ug/l	99
26) 2,2-Dichloropropane	4.58	77	230634	46.98	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	166642	46.29	ug/l	94
28) Bromochloromethane	5.02	49	129692	44.88	ug/l	91
29) Tetrahydrofuran	5.16	42	345756	212.32	ug/l	96
30) Chloroform	5.21	83	283662	45.78	ug/l	96
31) Cyclohexane	5.57	56	237276	45.79	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	254078	46.61	ug/l	98
36) 1,1-Dichloropropene	5.80	75	208583	47.92	ug/l	99
37) Ethyl Acetate	4.86	43	216009	46.09	ug/l	99
38) Carbon Tetrachloride	5.78	117	229316	48.01	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	242086	47.75	ug/l	96
40) Benzene	6.15	78	609686	48.21	ug/l	100
41) Methacrylonitrile	5.06	41	125172	46.38	ug/l	98
42) 1,2-Dichloroethane	6.20	62	229898	45.00	ug/l	98
43) Isopropyl Acetate	6.46	43	354292	45.08	ug/l	98
44) Trichloroethene	7.21	130	181607	48.16	ug/l	99
45) 1,2-Dichloropropane	7.52	63	159280	47.48	ug/l	98
46) Dibromomethane	7.67	93	108583	46.64	ug/l	95
47) Bromodichloromethane	7.90	83	208975	48.55	ug/l	97
48) Methyl methacrylate	7.78	41	184659	45.60	ug/l	95
49) 1,4-Dioxane	7.76	88	71481	907.20	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1118586	227.47	ug/l	98
52) Toluene	8.79	92	395396	48.80	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	245817	50.43	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	229092	48.85	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	160303	48.15	ug/l	97
56) Ethyl methacrylate	9.18	69	239634	49.25	ug/l	93
57) 1,3-Dichloropropane	9.37	76	258517	47.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	587355	250.22	ug/l	97
59) 2-Hexanone	9.50	43	876079	234.41	ug/l	97
60) Dibromochloromethane	9.59	129	171666	48.98	ug/l	100
61) 1,2-Dibromoethane	9.68	107	166145	47.58	ug/l	100
64) Tetrachloroethene	9.34	164	202334	49.25	ug/l	97
65) Chlorobenzene	10.14	112	453023	48.27	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	168606	49.46	ug/l	99
67) Ethyl Benzene	10.26	91	771771	49.78	ug/l	99
68) m/p-Xylenes	10.36	106	603901	101.07	ug/l	98
69) o-Xylene	10.70	106	289709	49.80	ug/l	98
70) Styrene	10.71	104	491035	51.94	ug/l	99
71) Bromoform	10.86	173	133530	43.87	ug/l	99
73) Isopropylbenzene	11.02	105	785031	50.64	ug/l	100
74) N-amyl acetate	6.46	43	354292	46.71	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	225168	47.15	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	259330	62.13	ug/l	79
77) Bromobenzene	11.26	156	214413	48.57	ug/l	97
78) n-propylbenzene	11.37	91	887950	50.32	ug/l	99
79) 2-Chlorotoluene	11.43	91	524529	49.10	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	657510	50.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	63191	44.33	ug/l	98
82) 4-Chlorotoluene	11.51	91	624895	49.41	ug/l	99
83) tert-Butylbenzene	11.77	119	641820	49.88	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	673005	49.75	ug/l	98
85) sec-Butylbenzene	11.95	105	778398	49.86	ug/l	99
86) p-Isopropyltoluene	12.07	119	715455	50.98	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	399297	49.52	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	404138	48.70	ug/l	99
89) n-Butylbenzene	12.39	91	619801	50.74	ug/l	99
90) Hexachloroethane	12.60	117	99298	47.57	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	397017	48.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48606	45.28	ug/l	96

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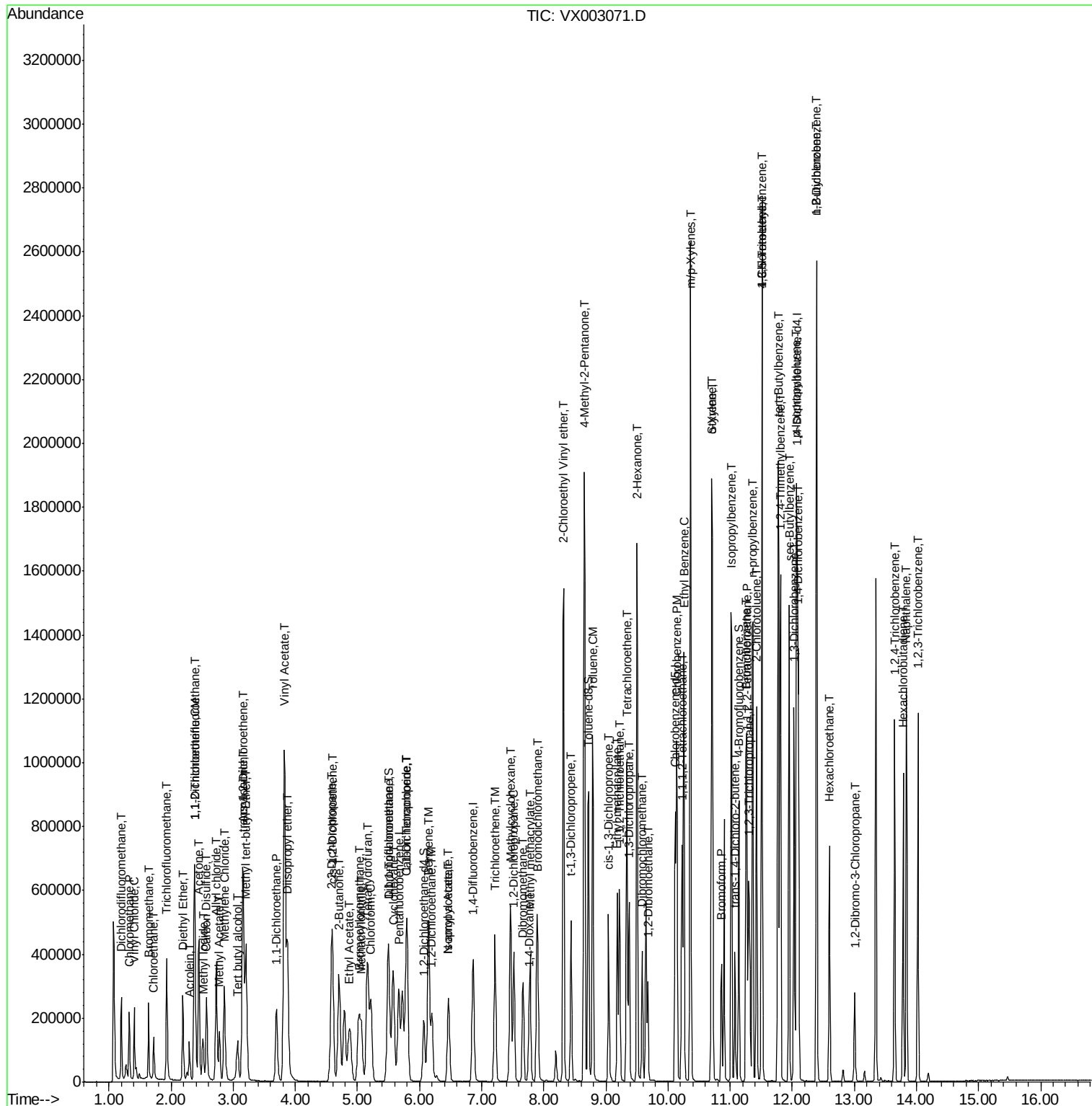
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	300485	50.73	ug/l	100
94) Hexachlorobutadiene	13.79	225	153499	51.96	ug/l	99
95) Naphthalene	13.84	128	797576	50.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	295696	49.98	ug/l	99

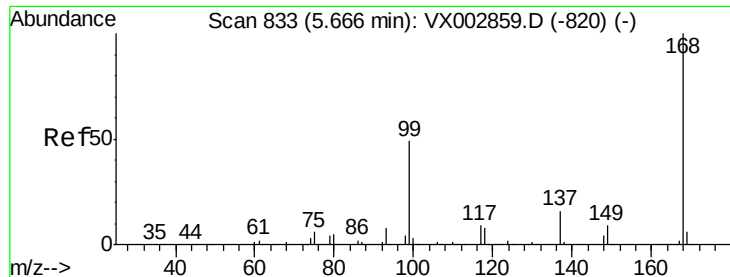
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

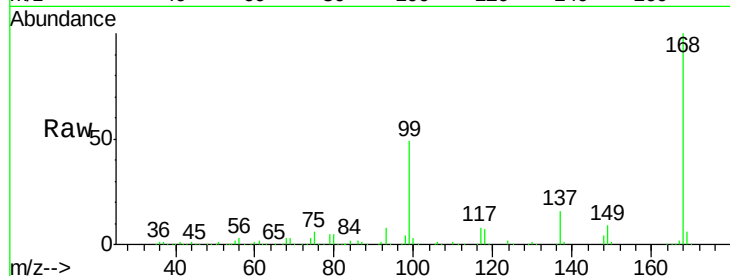
VSTDCCC050

Tot Ion:168 Resp: 298929

Ion Ratio Lower Upper

168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

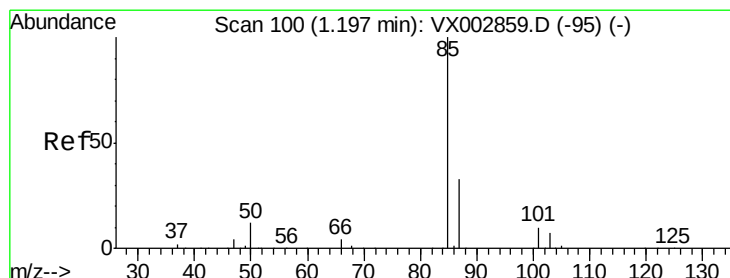
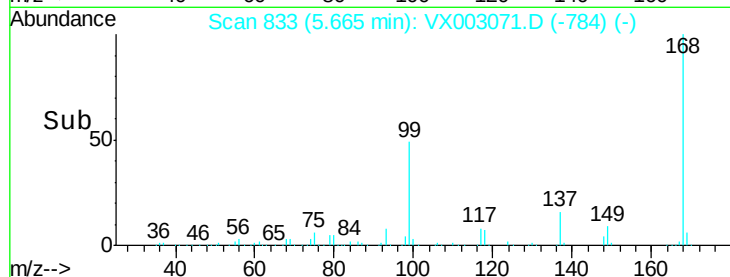
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003071.D

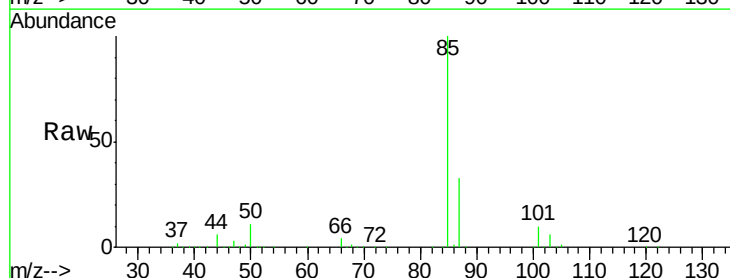
Acq: 30 Jun 2018 10:57

Tgt Ion: 85 Resp: 145353

Ion Ratio Lower Upper

85 100

87 33.3 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

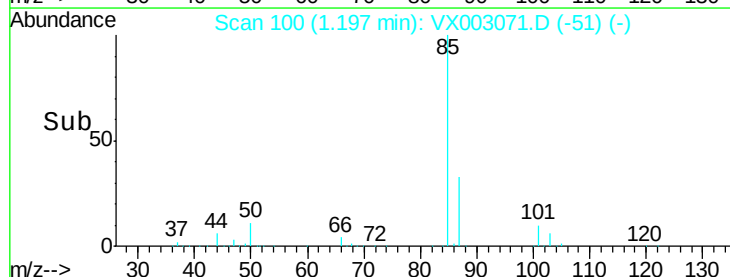
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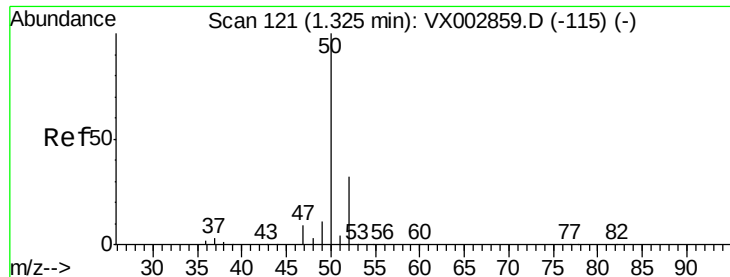
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Time-->

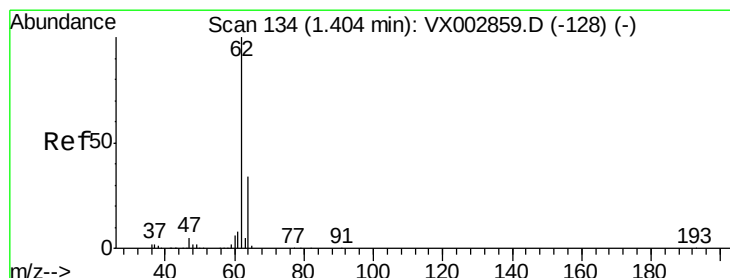
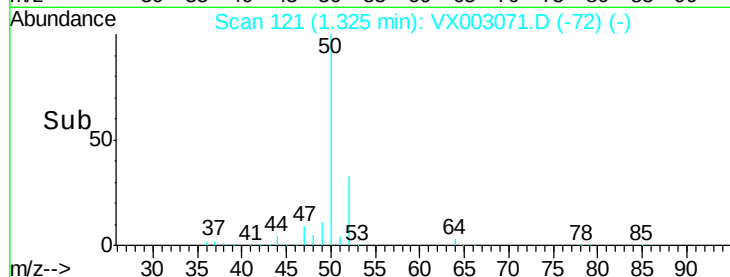
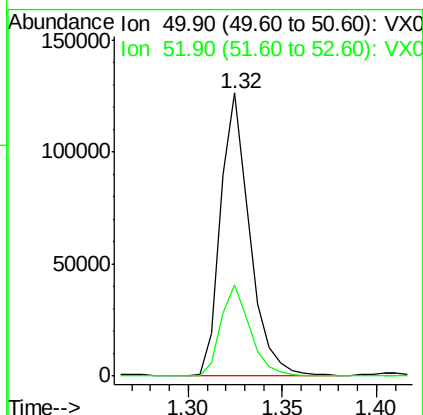
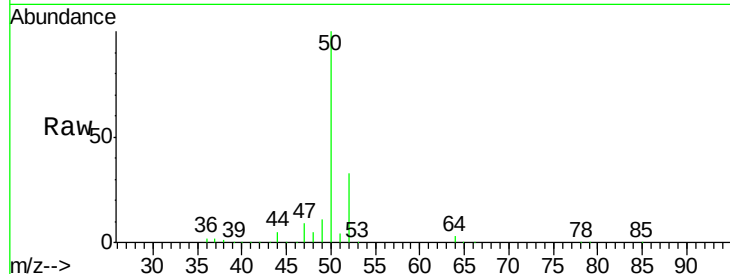




#3
Chloromethane
Concen: 48.69 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

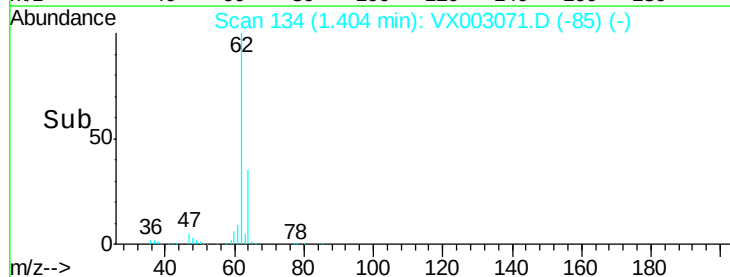
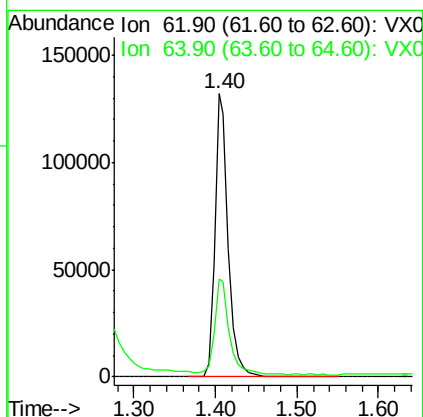
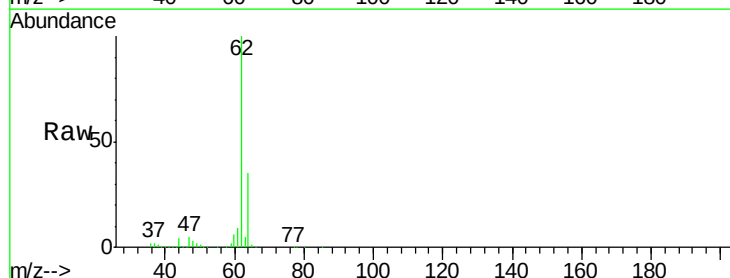
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

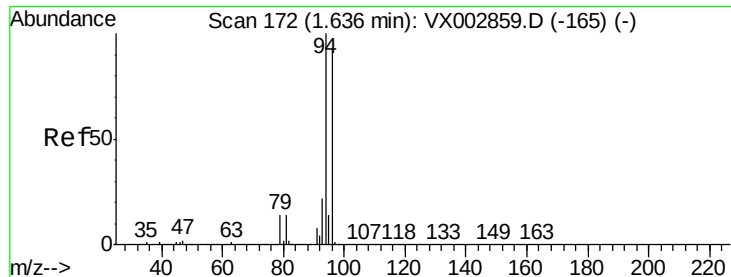
Tot Ion: 50 Resp: 135000
Ion Ratio Lower Upper
50 100
52 32.5 25.7 38.5



#4
Vinyl Chloride
Concen: 45.08 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 62 Resp: 152403
Ion Ratio Lower Upper
62 100
64 33.8 25.4 38.2





#5

Bromomethane

Concen: 49.84 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

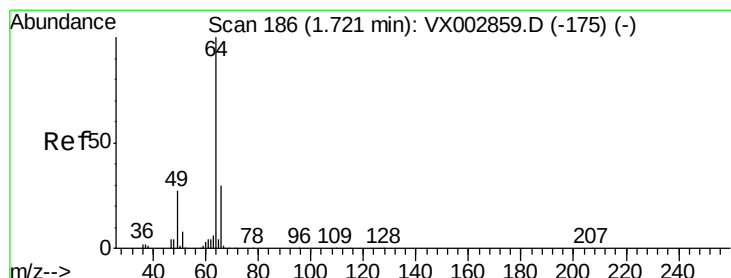
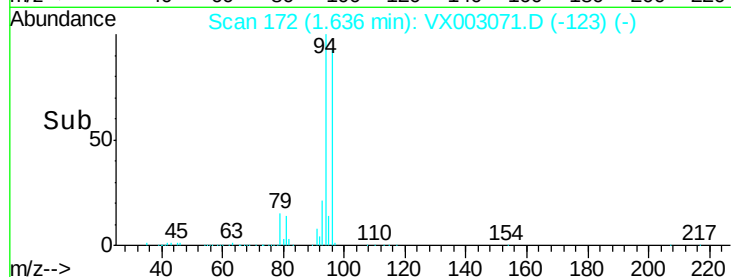
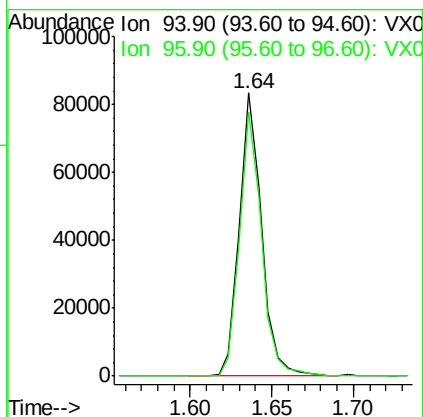
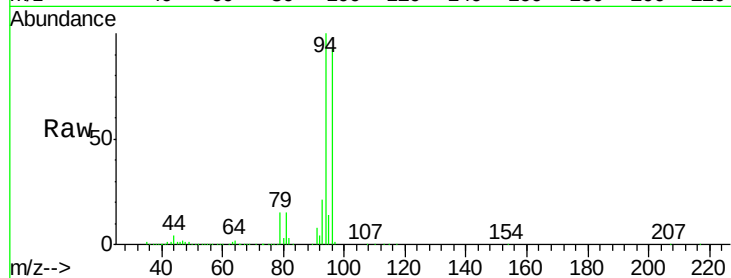
VSTDCCC050

Tot Ion: 94 Resp: 78671

Ion Ratio Lower Upper

94 100

96 93.5 74.9 112.3



#6

Chloroethane

Concen: 47.73 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003071.D

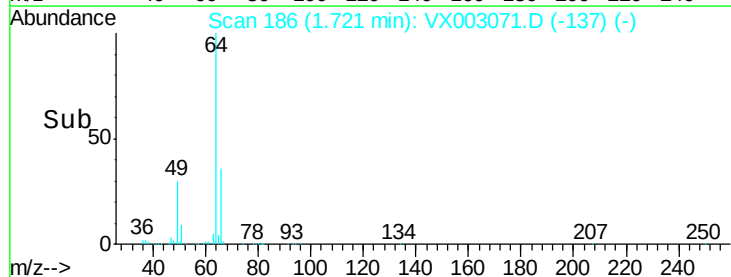
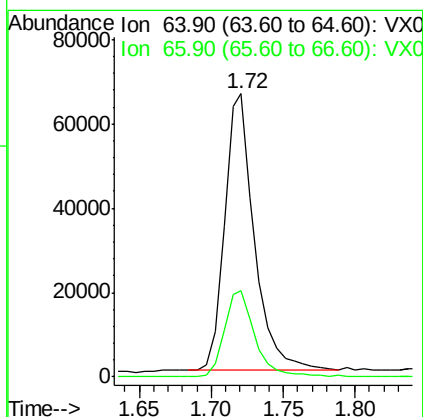
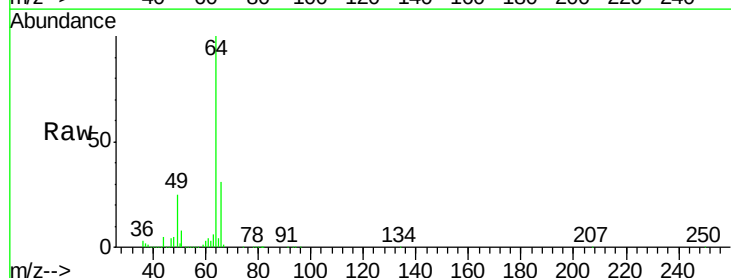
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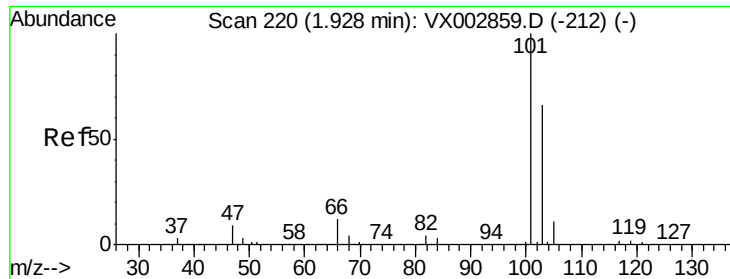
Tgt Ion: 64 Resp: 94853

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

Trichlorofluoromethane

Concen: 43.74 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

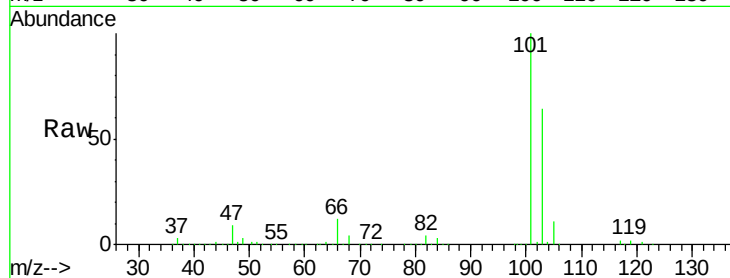
VSTDCCC050

Tot Ion:101 Resp: 249407

Ion Ratio Lower Upper

101 100

103 64.2 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

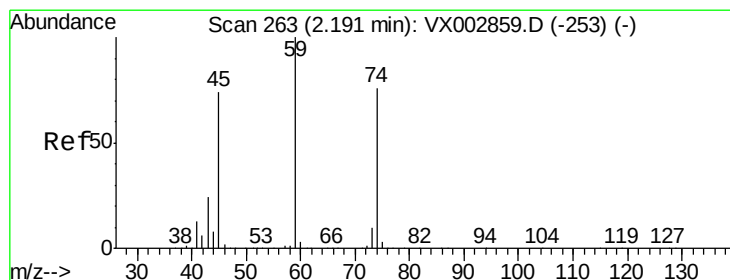
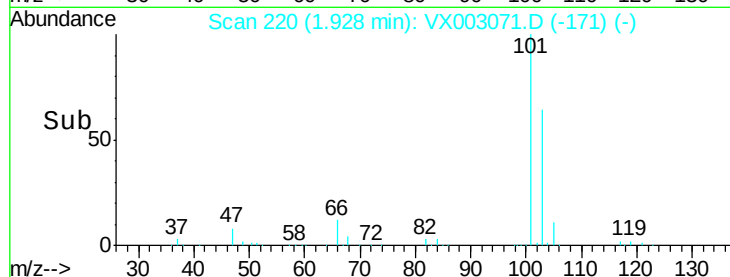
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100000

50000

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Time-->



#8

Diethyl Ether

Concen: 43.53 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003071.D

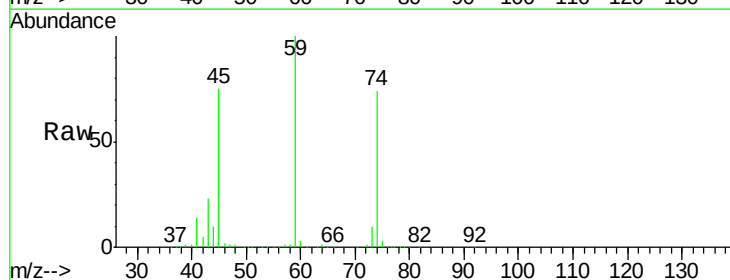
Acq: 30 Jun 2018 10:57

Tgt Ion: 74 Resp: 90251

Ion Ratio Lower Upper

74 100

45 102.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

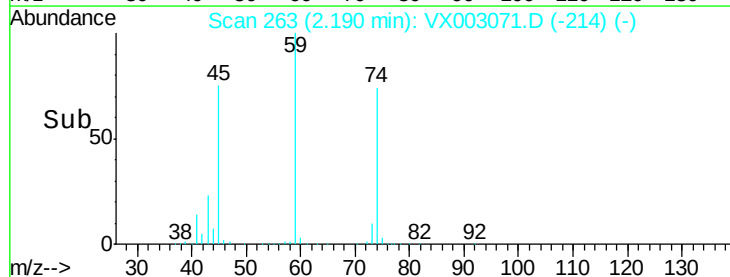
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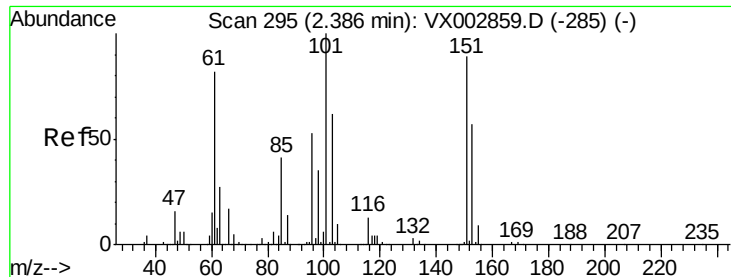
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20000

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Time-->

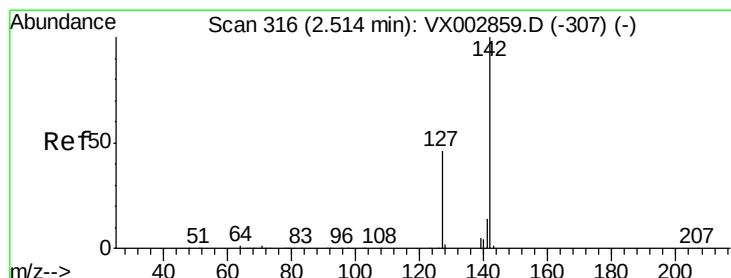
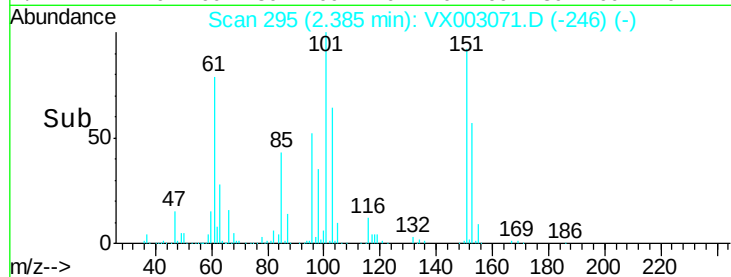
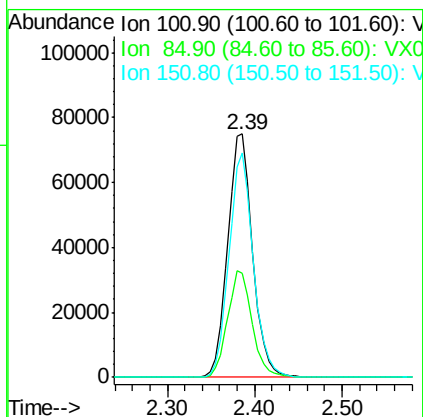
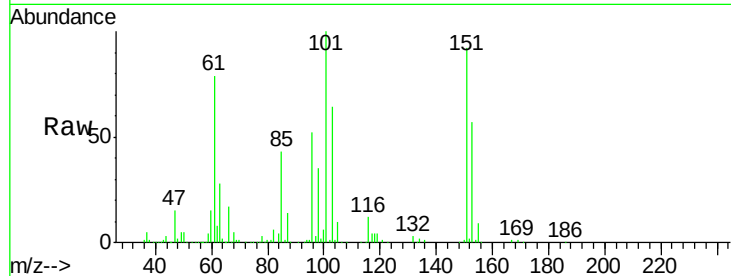




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.97 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

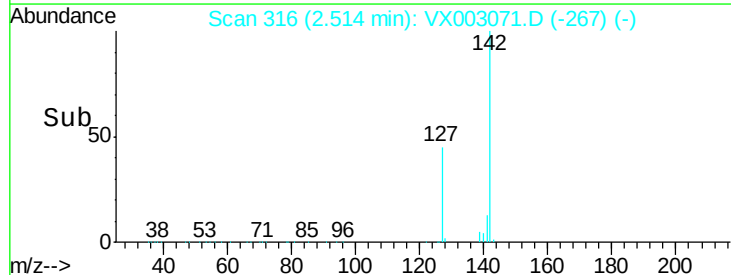
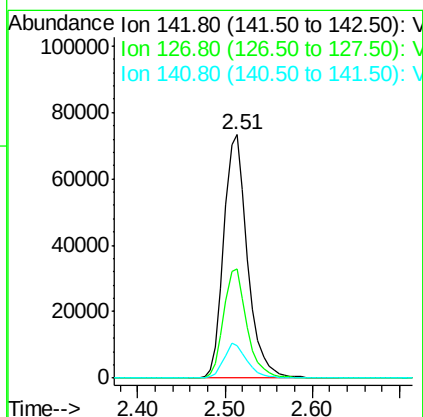
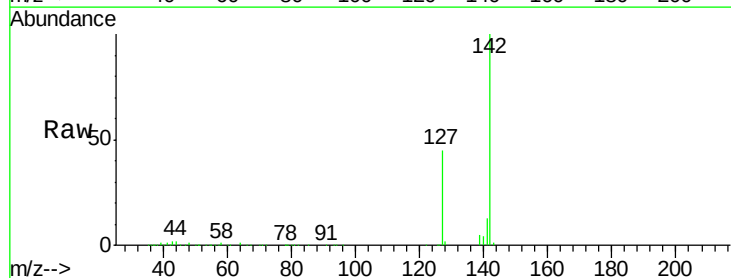
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

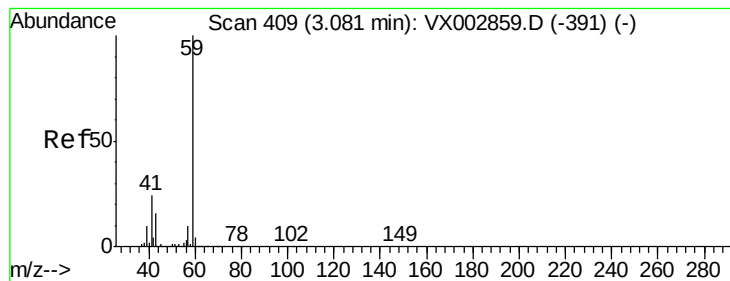
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.0	54.0
151	90.1	70.9	106.3



#10
 Methyl Iodide
 Concen: 42.16 ug/l
 RT: 2.51 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.2	36.6	55.0
141	13.9	11.3	16.9



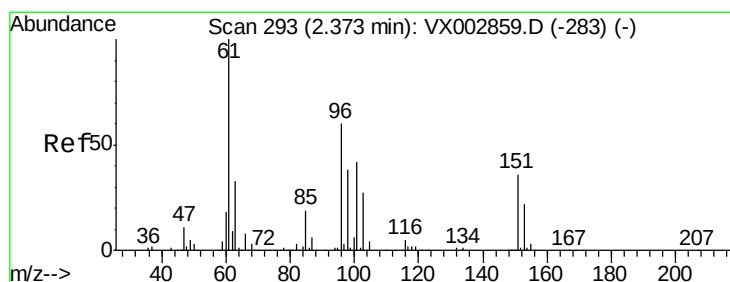
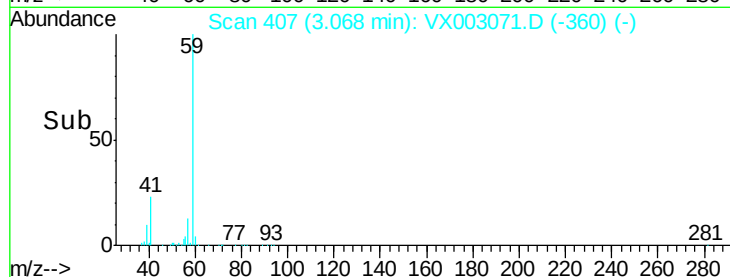
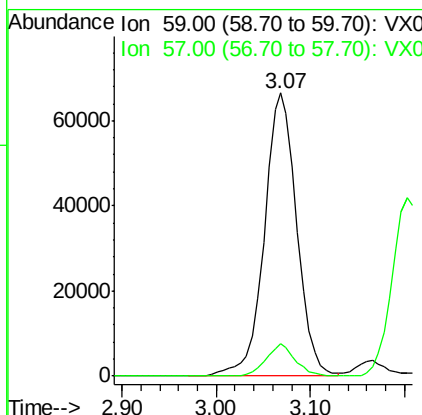
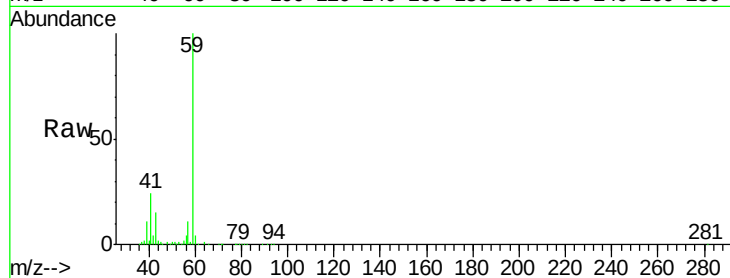


#11

Tert butyl alcohol
 Concen: 195.03 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

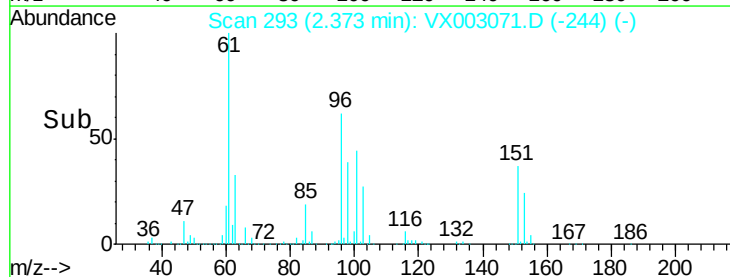
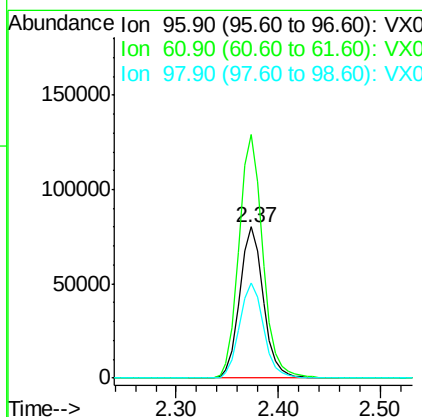
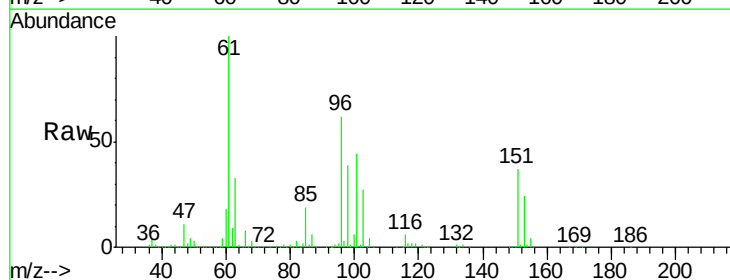
Tot Ion: 59 Resp: 160527
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

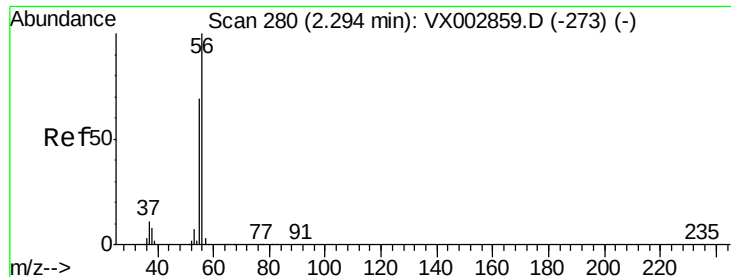


#12

1,1-Dichloroethene
 Concen: 43.54 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 96 Resp: 128368
 Ion Ratio Lower Upper
 96 100
 61 160.9 137.9 206.9
 98 63.1 51.6 77.4





#13

Acrolein

Concen: 190.64 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

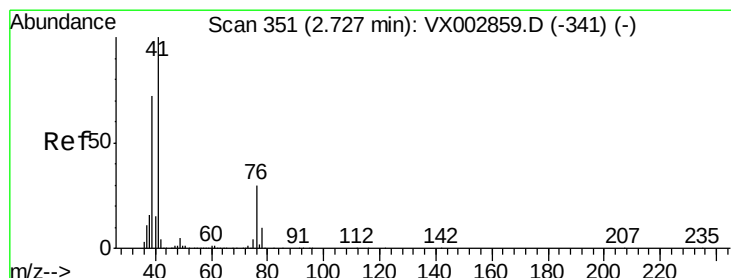
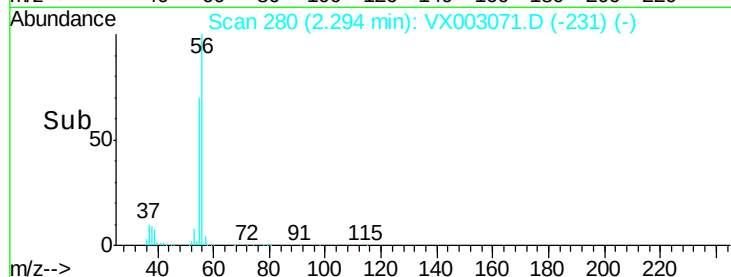
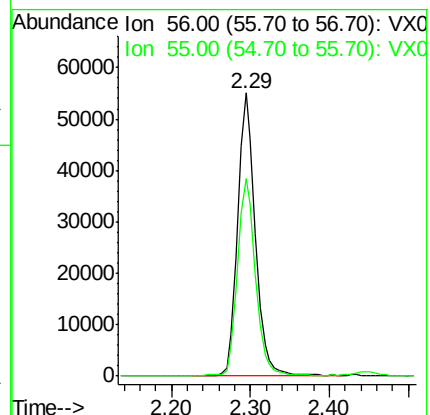
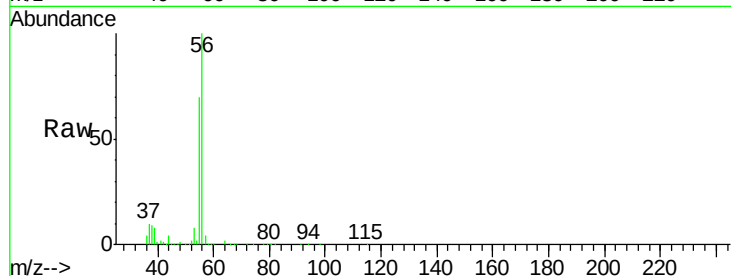
VSTDCCC050

Tot Ion: 56 Resp: 86524

Ion Ratio Lower Upper

56 100

55 70.0 57.0 85.4



#14

Allyl chloride

Concen: 43.51 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

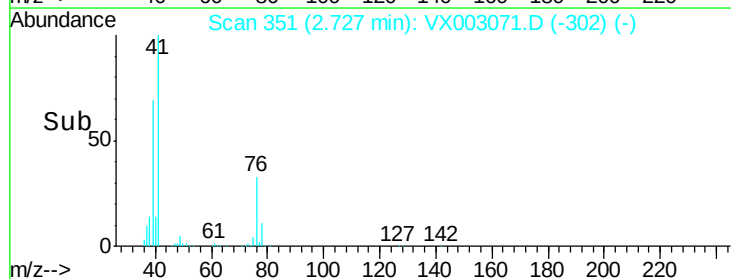
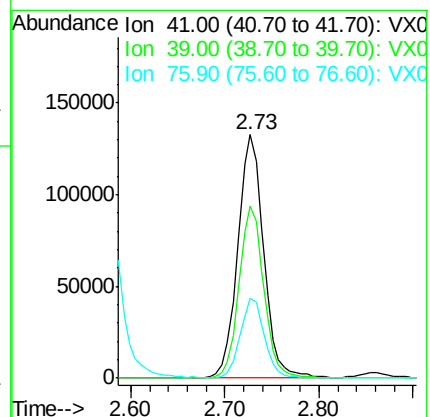
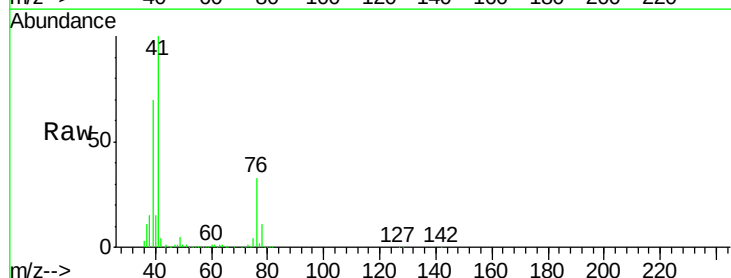
Tgt Ion: 41 Resp: 252846

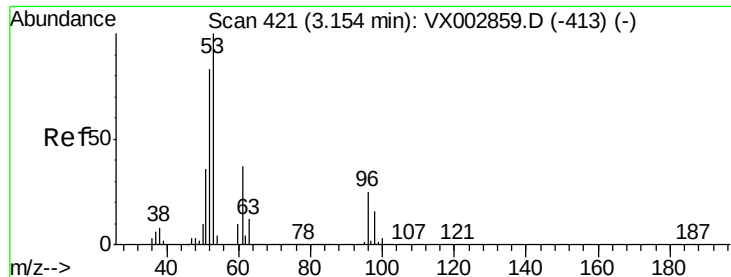
Ion Ratio Lower Upper

41 100

39 67.4 56.8 85.2

76 30.8 23.8 35.8





#15

Acrylonitrile

Concen: 209.13 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

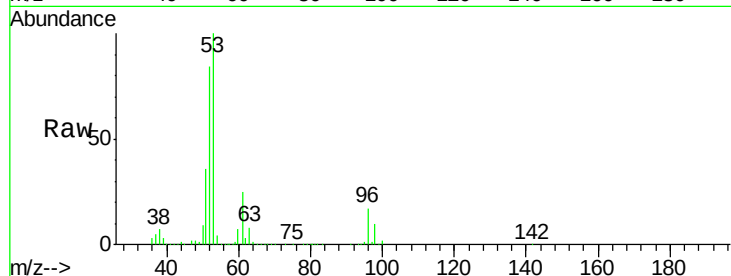
Tot Ion: 53 Resp: 367665

Ion Ratio Lower Upper

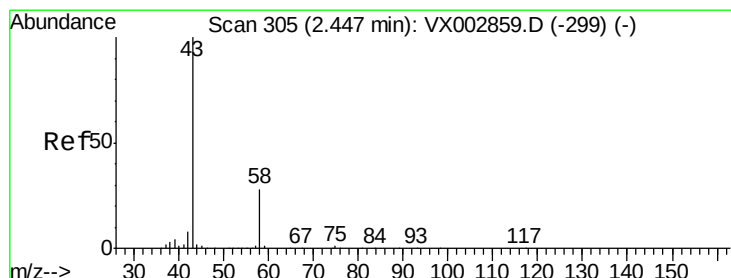
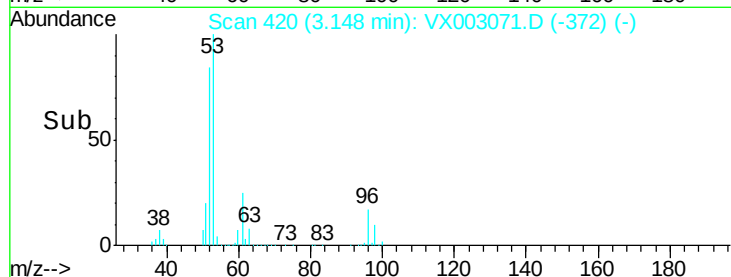
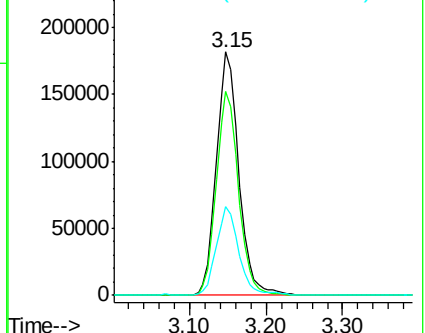
53 100

52 83.7 66.7 100.1

51 36.9 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: 273.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003071.D

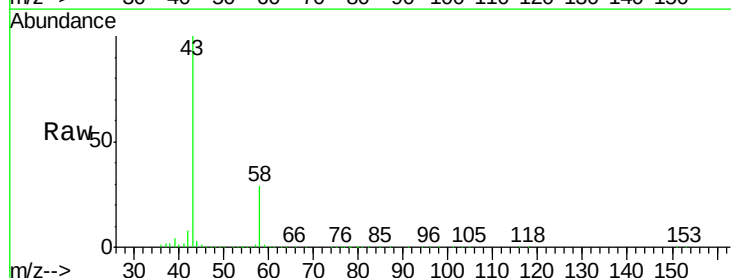
Acq: 30 Jun 2018 10:57

Tgt Ion: 43 Resp: 468566

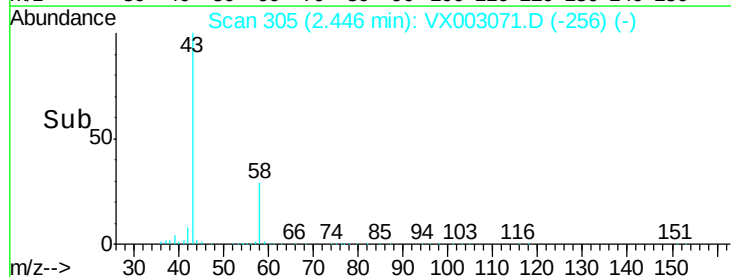
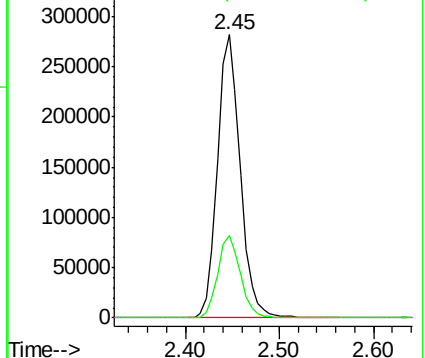
Ion Ratio Lower Upper

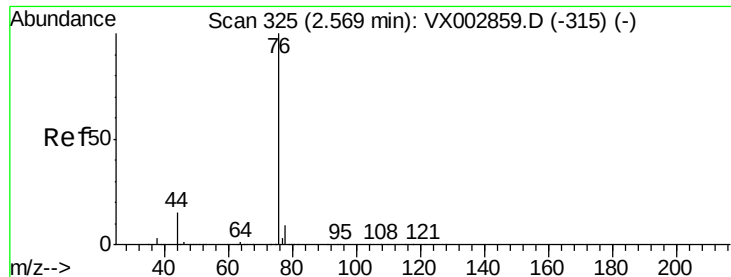
43 100

58 29.0 22.1 33.1



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

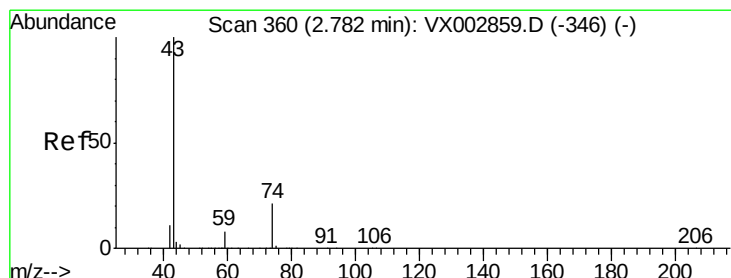
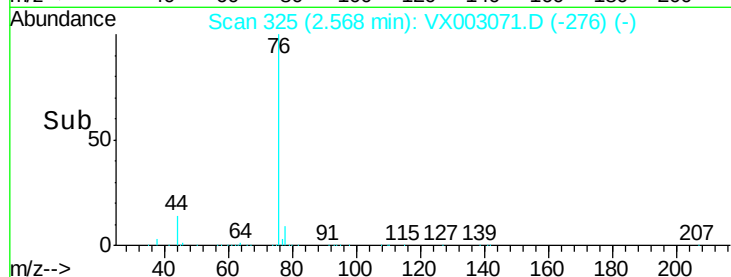
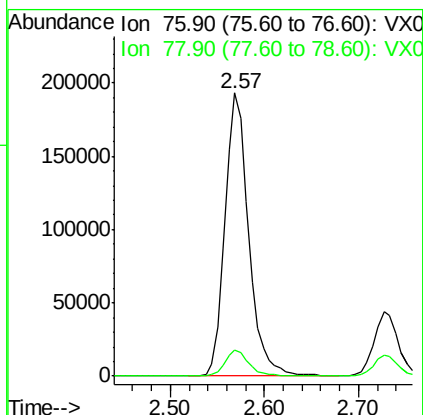
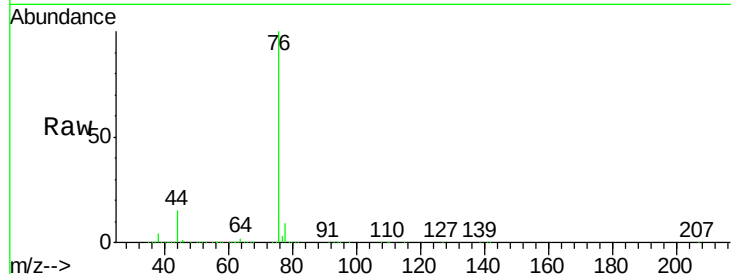




#17
Carbon Disulfide
Concen: 43.07 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

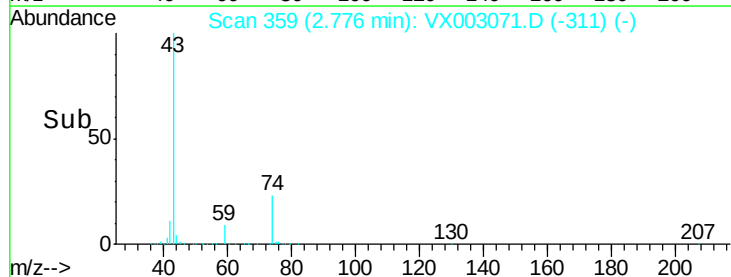
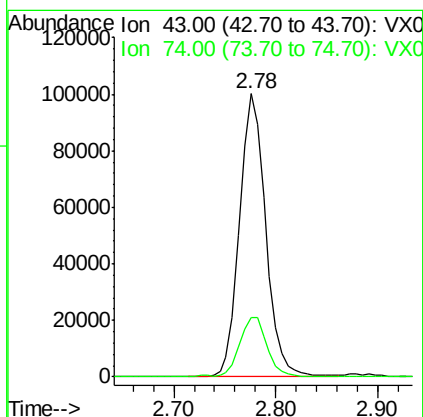
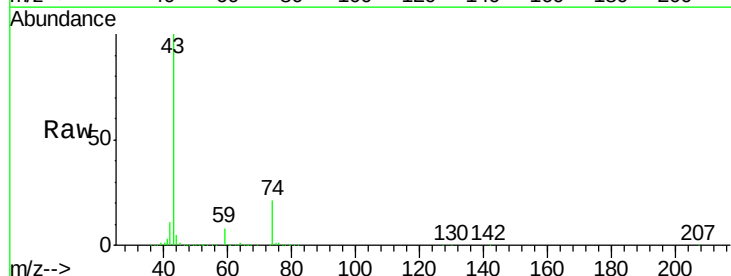
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

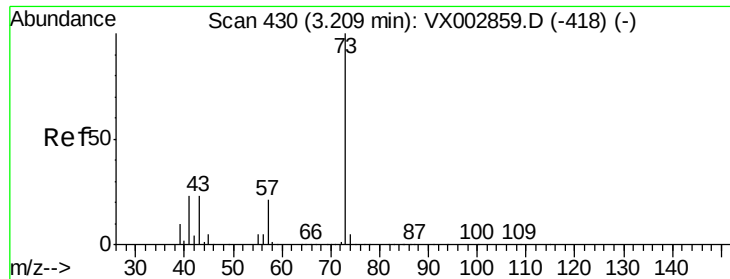
Tot Ion: 76 Resp: 338292
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 37.02 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 43 Resp: 177127
Ion Ratio Lower Upper
43 100
74 22.3 16.7 25.1

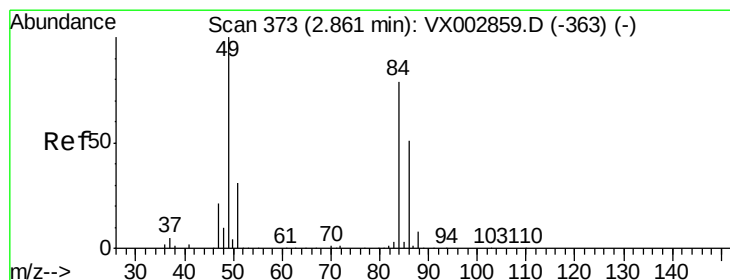
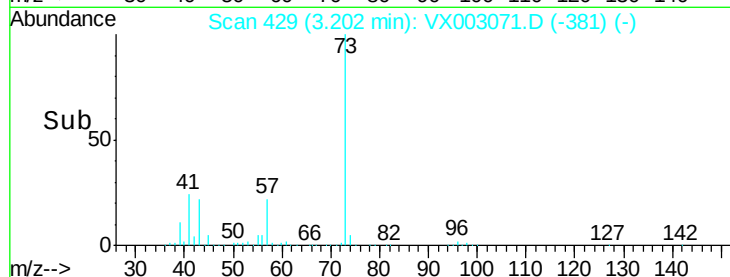
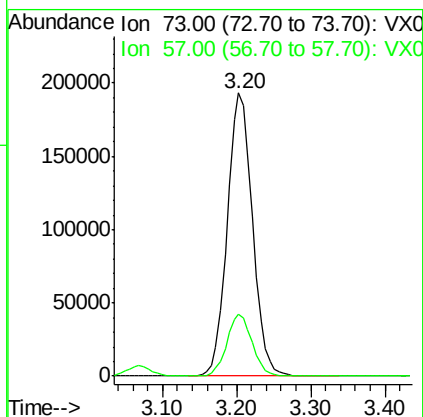
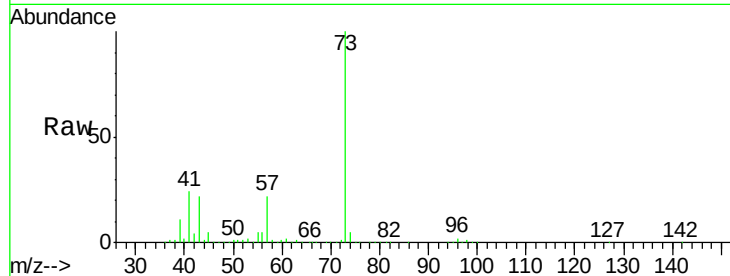




#19
Methyl tert-butyl Ether
Concen: 43.20 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

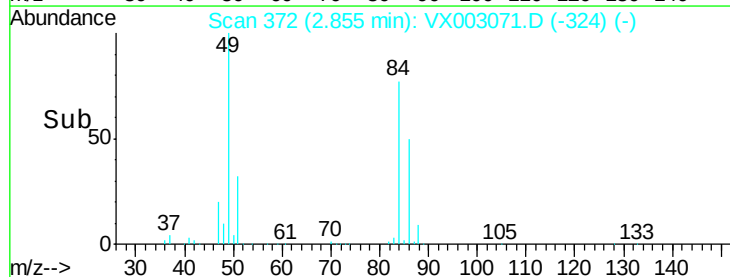
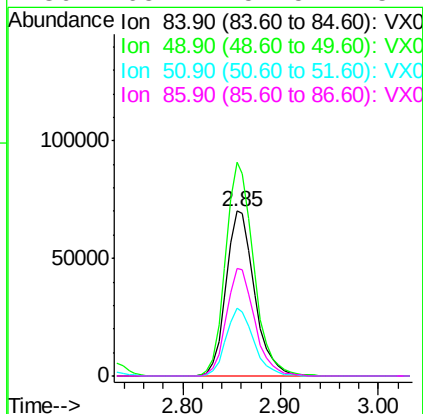
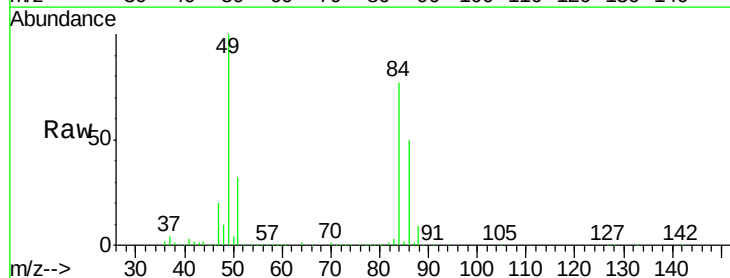
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

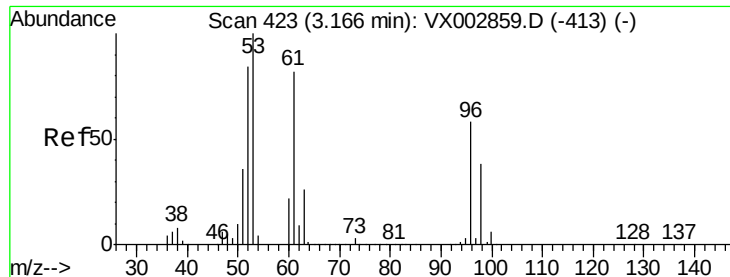
Tot Ion: 73 Resp: 457869
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5



#20
Methylene Chloride
Concen: 42.56 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 84 Resp: 141716
Ion Ratio Lower Upper
84 100
49 129.8 107.8 161.6
51 41.1 32.8 49.2
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 43.13 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

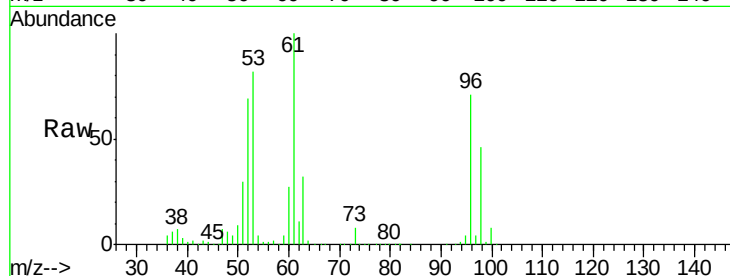
Tot Ion: 96 Resp: 138490

Ion Ratio Lower Upper

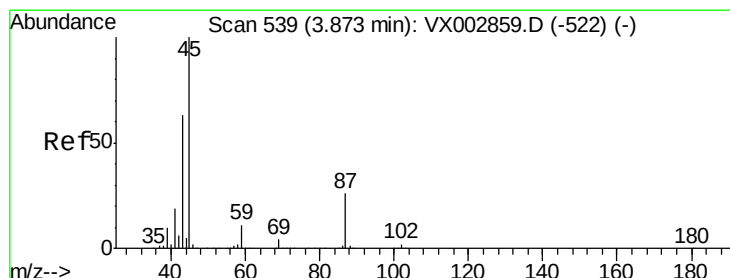
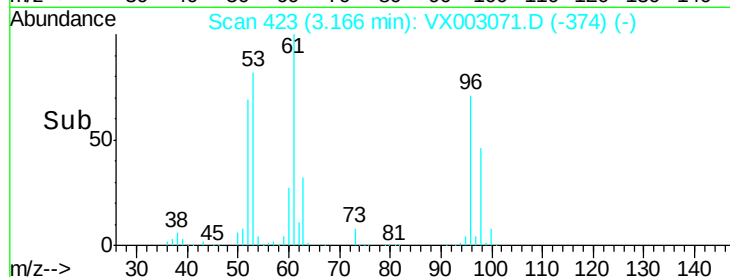
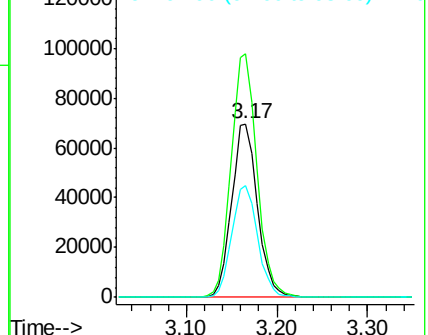
96 100

61 140.0 117.0 175.4

98 64.6 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: 43.22 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Tgt Ion: 45 Resp: 480119

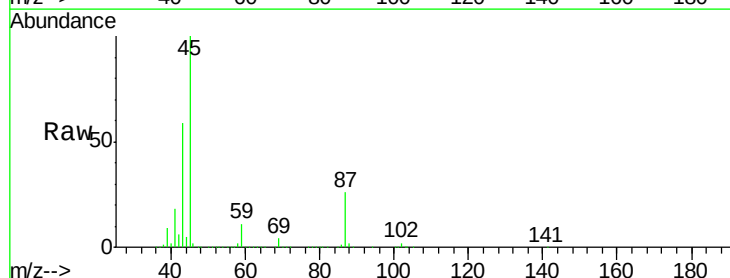
Ion Ratio Lower Upper

45 100

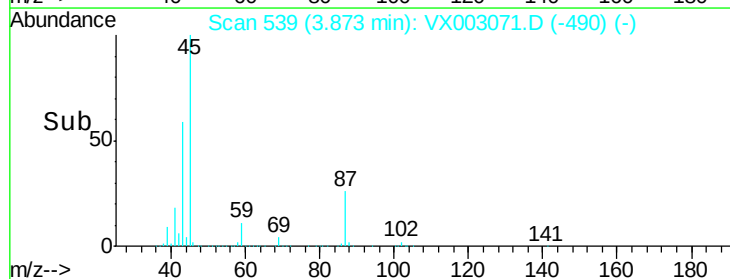
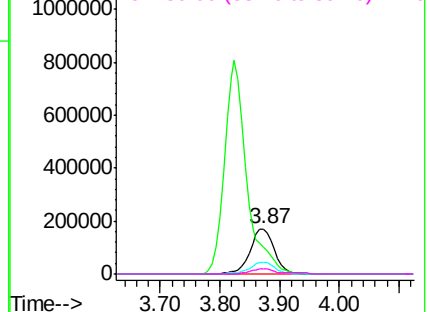
43 58.8 46.8 70.2

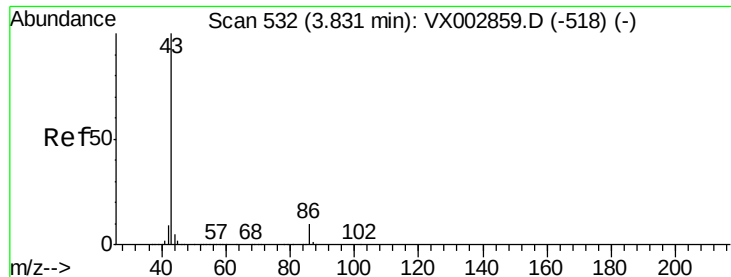
87 26.3 20.2 30.4

59 11.1 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 221.83 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

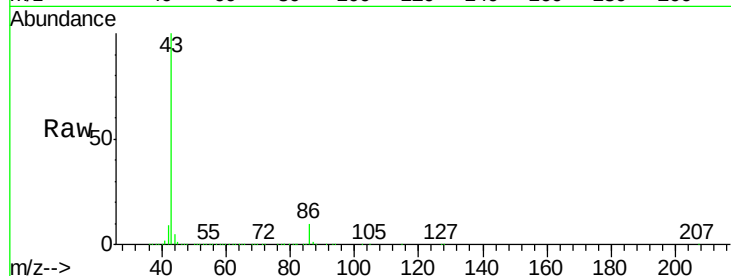
VSTDCCC050

Tot Ion: 43 Resp: 2086593

Ion Ratio Lower Upper

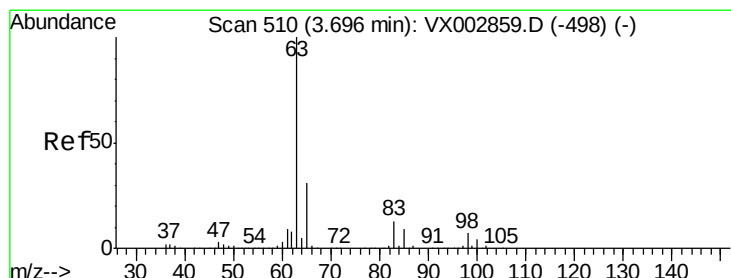
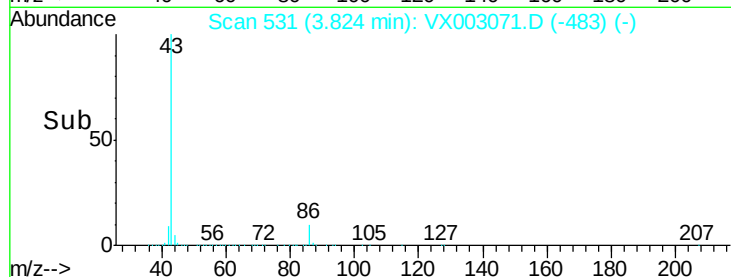
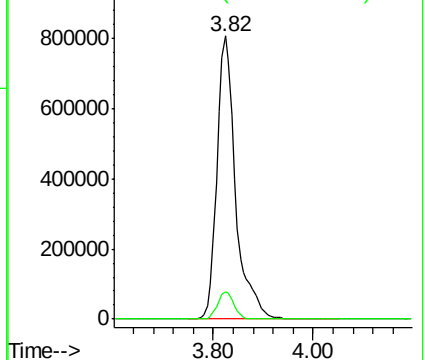
43 100

86 9.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 42.79 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

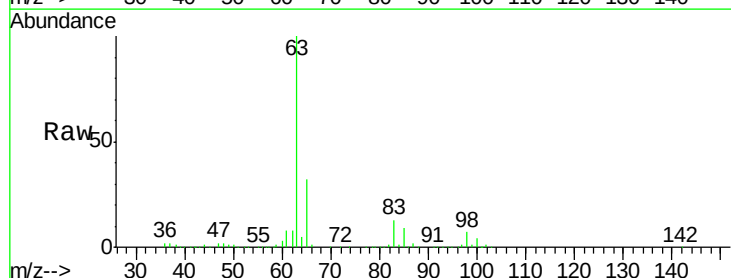
Tgt Ion: 63 Resp: 258382

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

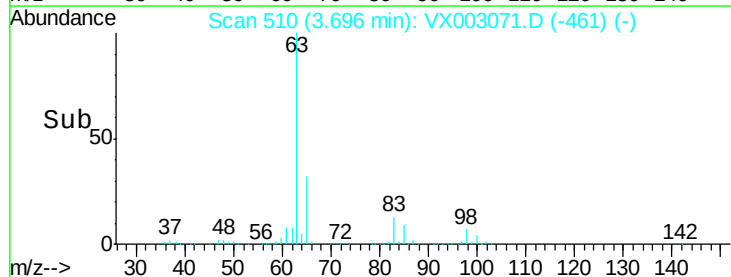
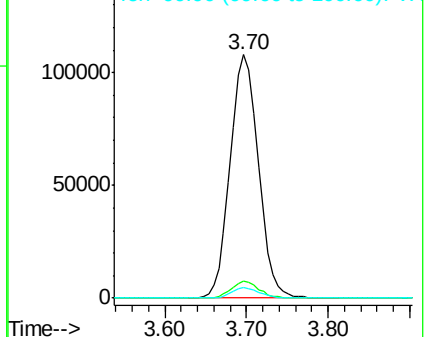
100 4.2 2.0 6.0

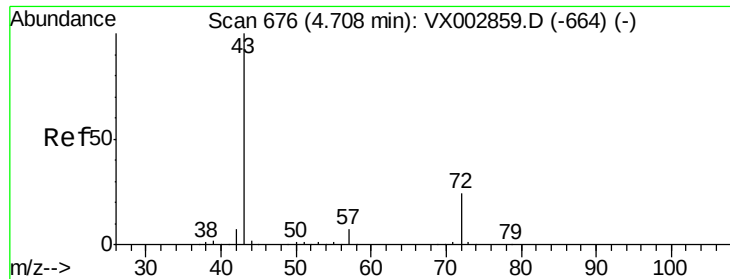


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 240.31 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

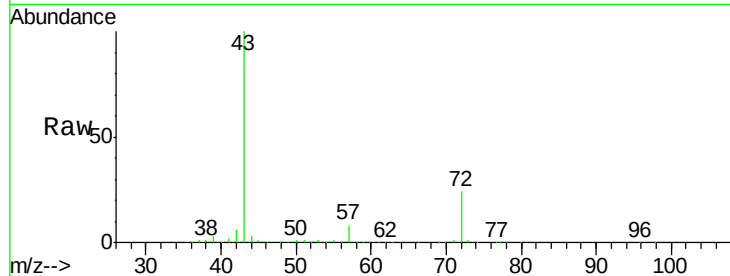
VSTDCCC050

Tot Ion: 43 Resp: 610249

Ion Ratio Lower Upper

43 100

72 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

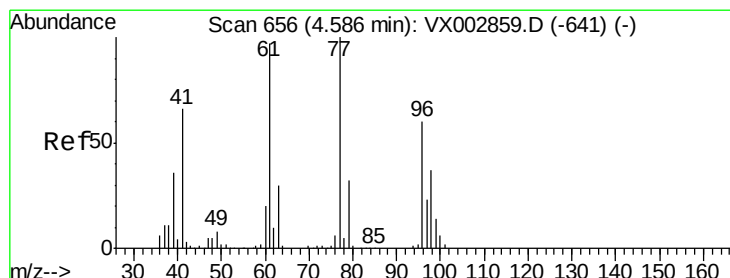
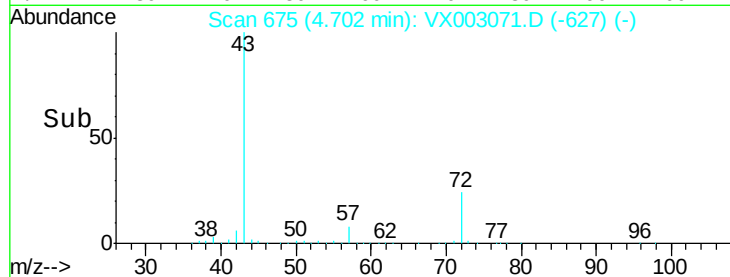
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.98 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003071.D

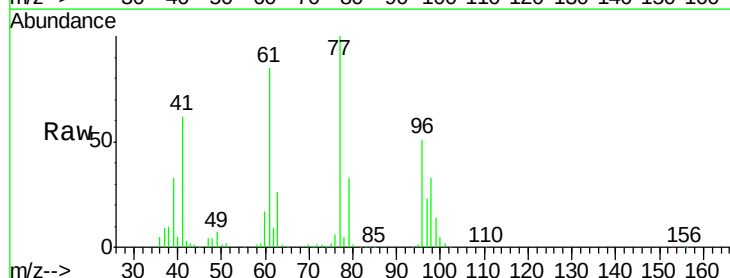
Acq: 30 Jun 2018 10:57

Tgt Ion: 77 Resp: 230634

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

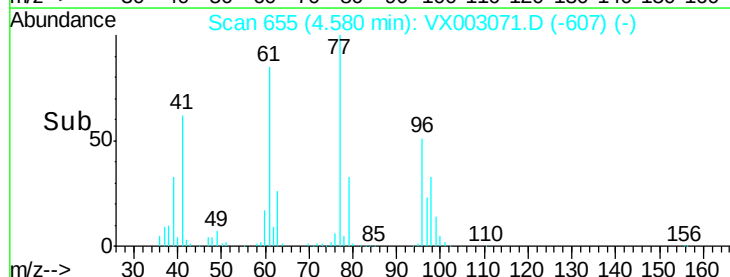
40000

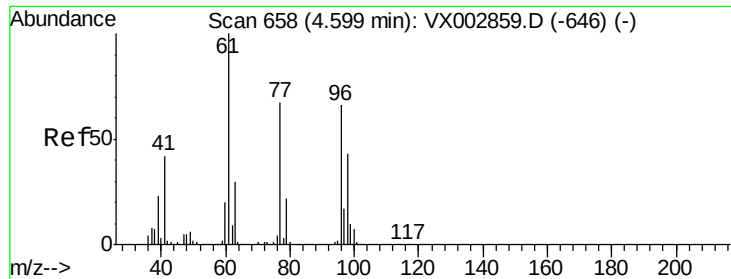
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.29 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

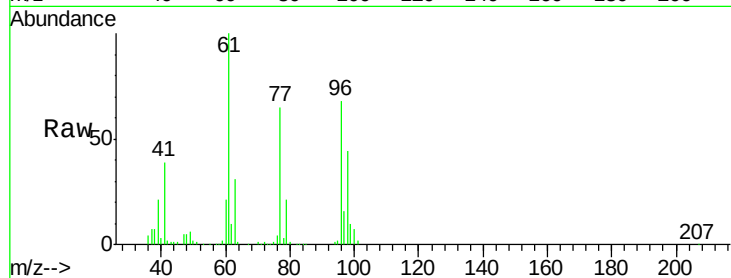
Tot Ion: 96 Resp: 166642

Ion Ratio Lower Upper

96 100

61 153.6 0.0 330.2

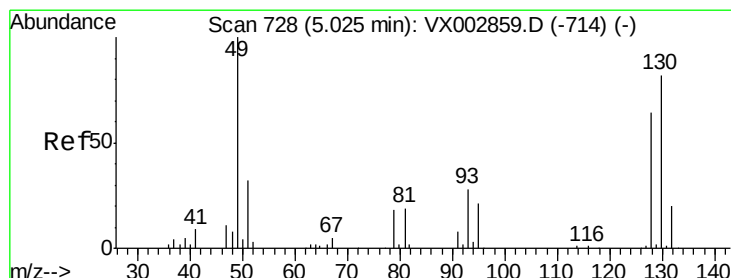
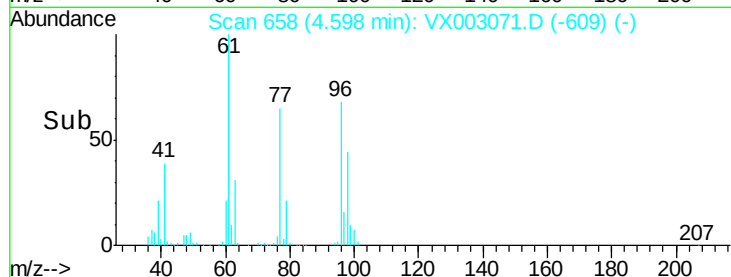
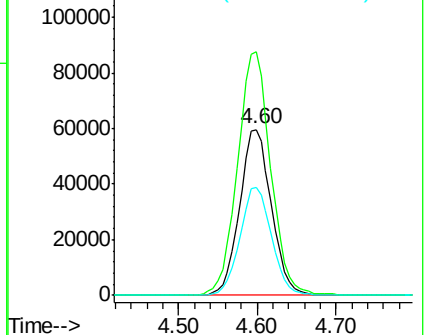
98 65.0 0.0 130.2



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: 44.88 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

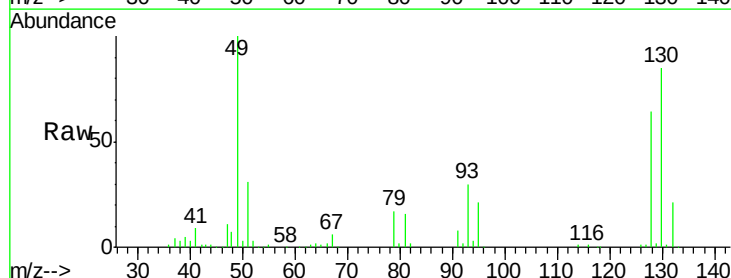
Tgt Ion: 49 Resp: 129692

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

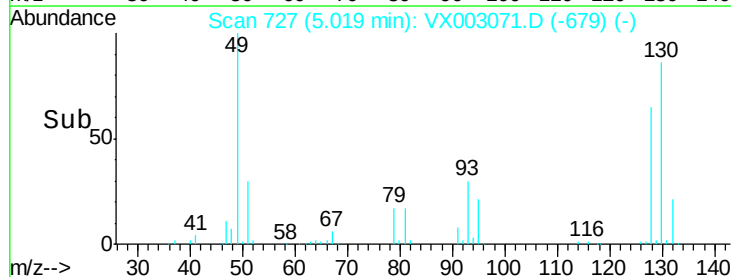
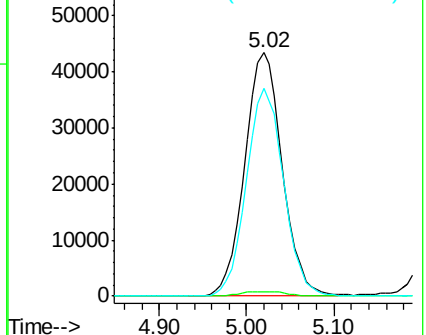
130 84.8 61.2 91.8

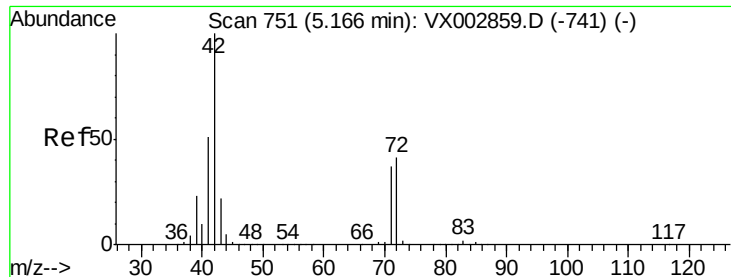


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 212.32 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

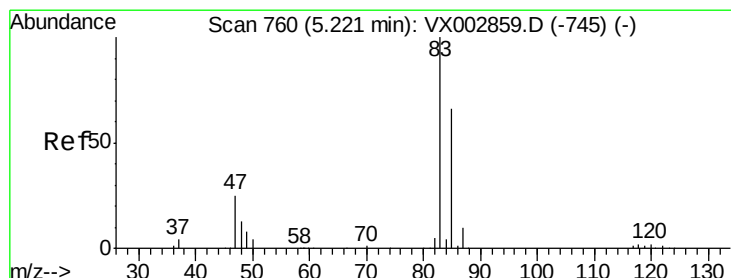
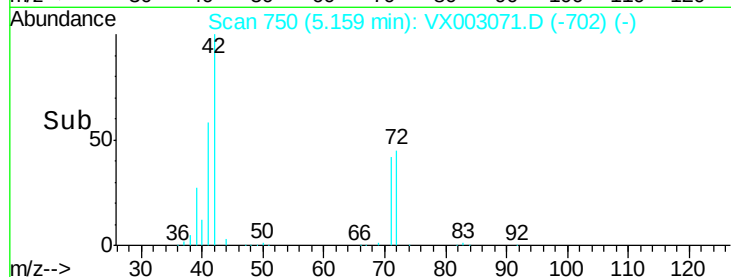
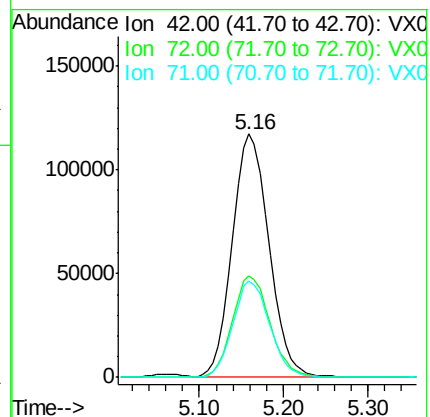
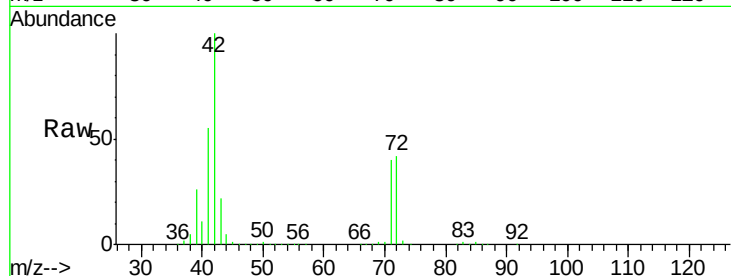
Tot Ion: 42 Resp: 345756

Ion Ratio Lower Upper

42 100

72 42.9 32.0 48.0

71 39.9 30.1 45.1



#30

Chloroform

Concen: 45.78 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003071.D

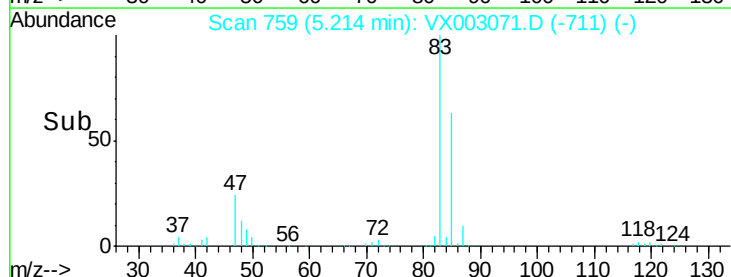
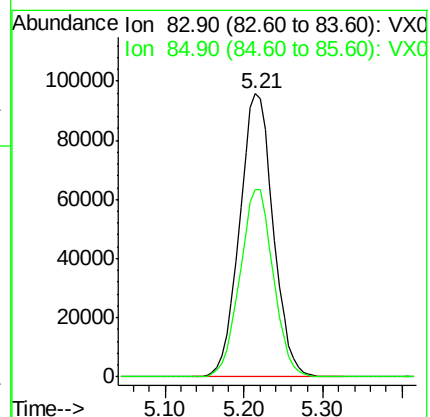
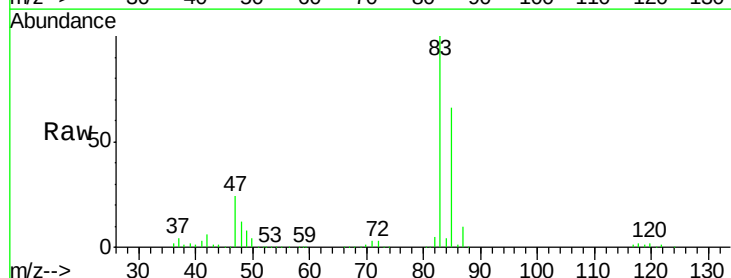
Acq: 30 Jun 2018 10:57

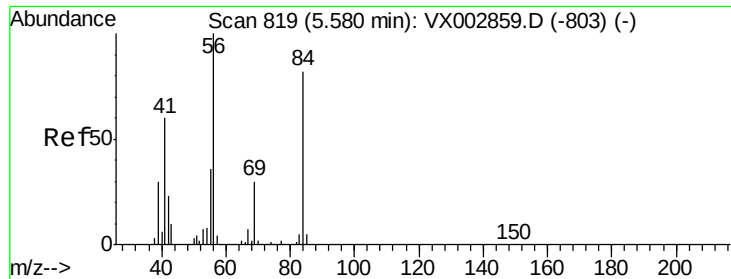
Tgt Ion: 83 Resp: 283662

Ion Ratio Lower Upper

83 100

85 66.0 50.4 75.6





#31

Cyclohexane

Concen: 45.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

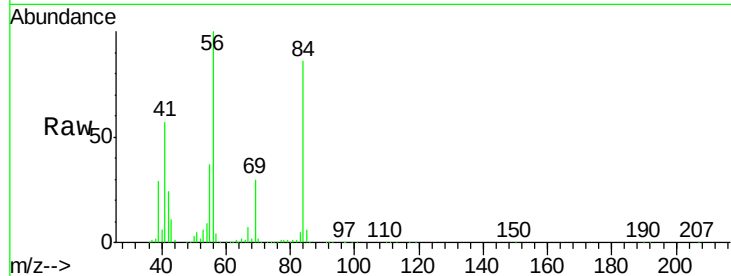
Tot Ion: 56 Resp: 237276

Ion Ratio Lower Upper

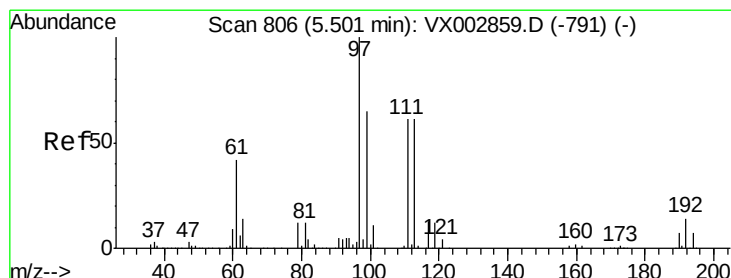
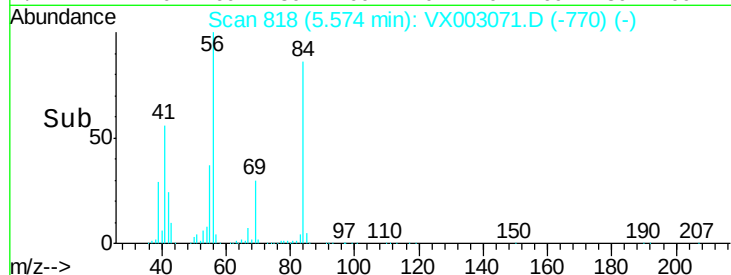
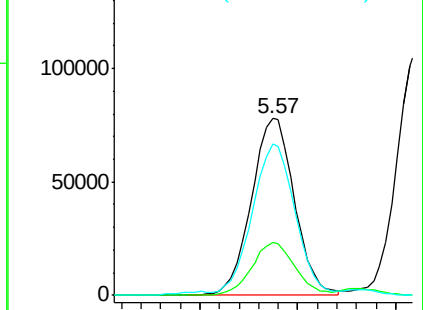
56 100

69 30.3 23.7 35.5

84 84.3 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 46.61 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

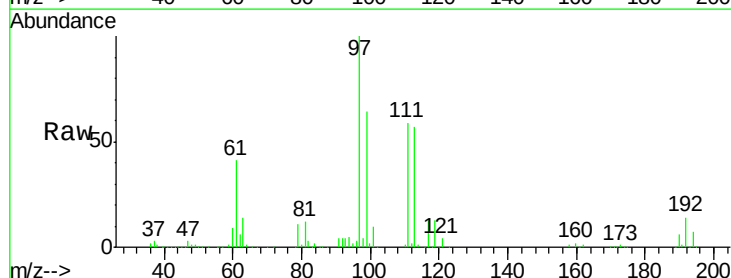
Tgt Ion: 97 Resp: 254078

Ion Ratio Lower Upper

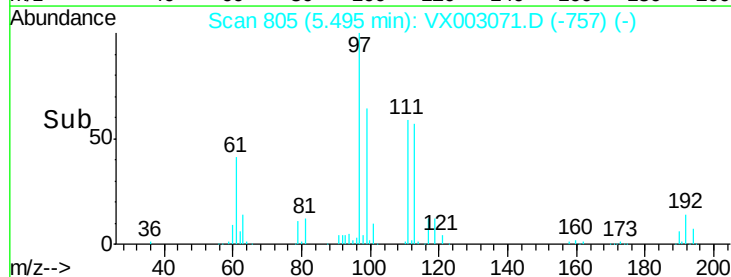
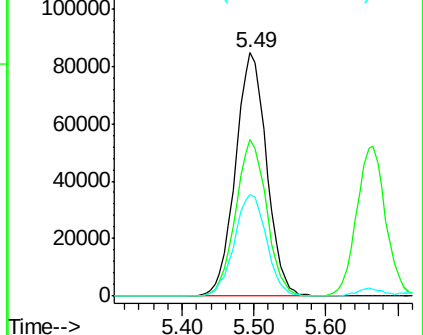
97 100

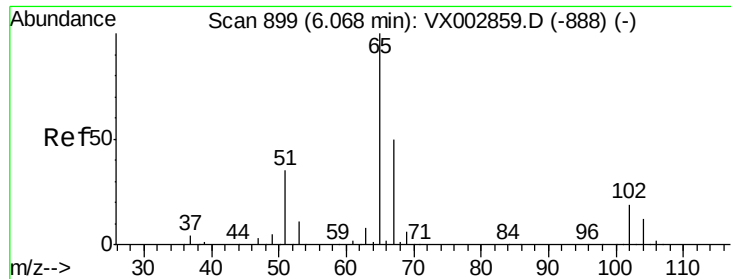
99 64.1 51.6 77.4

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

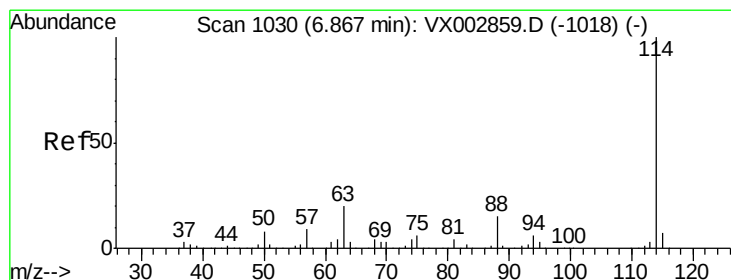
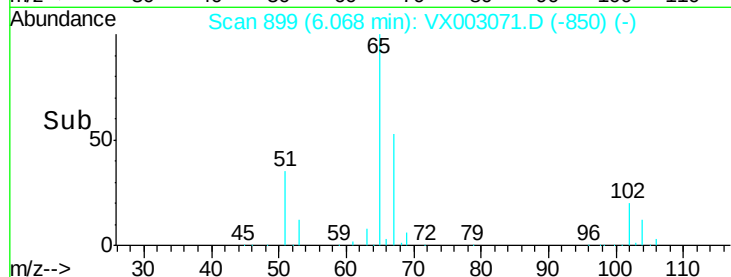
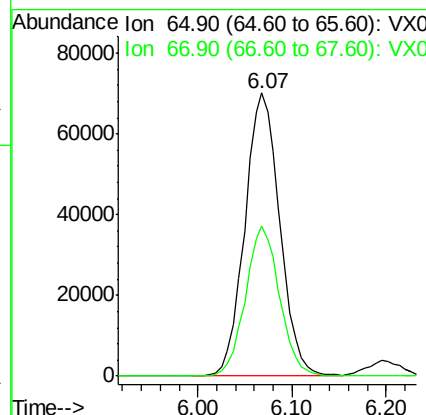
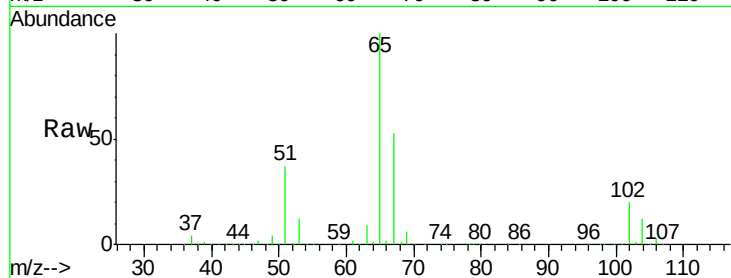




#33
 1,2-Dichloroethane-d4
 Concen: 44.00 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

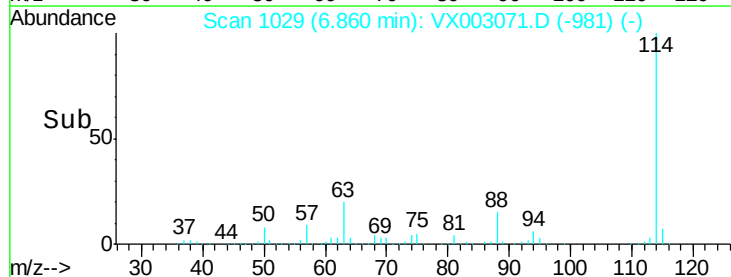
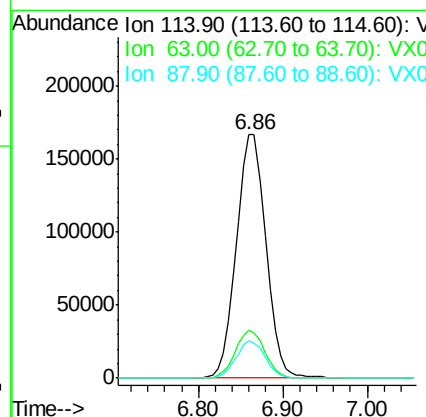
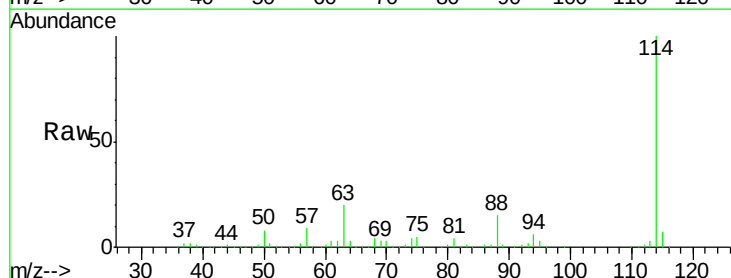
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

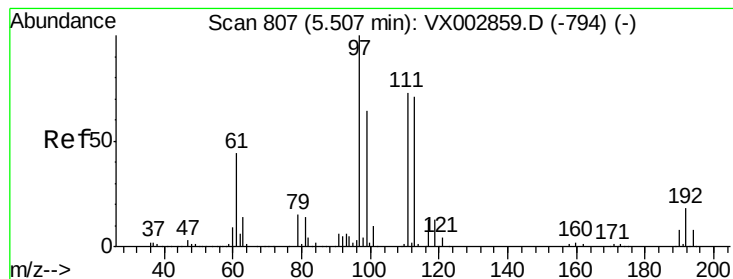
Tot Ion: 65 Resp: 181810
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 114 Resp: 396914
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.62 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

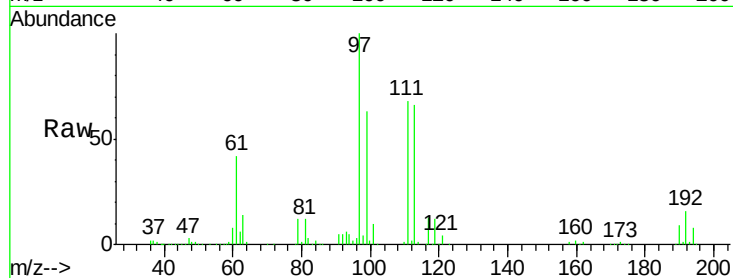
Tot Ion:113 Resp: 152814

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

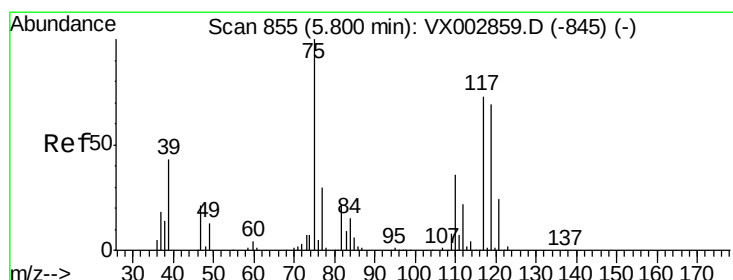
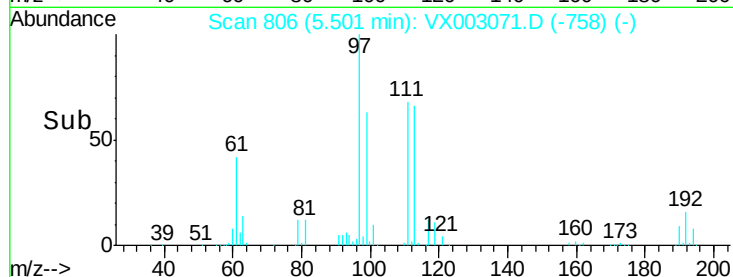
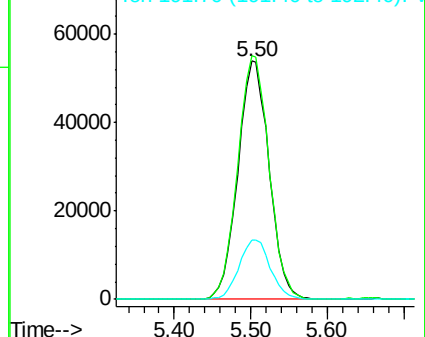
192 25.0 19.1 28.7



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: 47.92 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

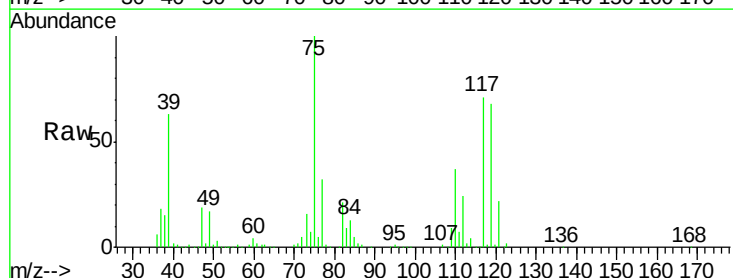
Tgt Ion: 75 Resp: 208583

Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.4

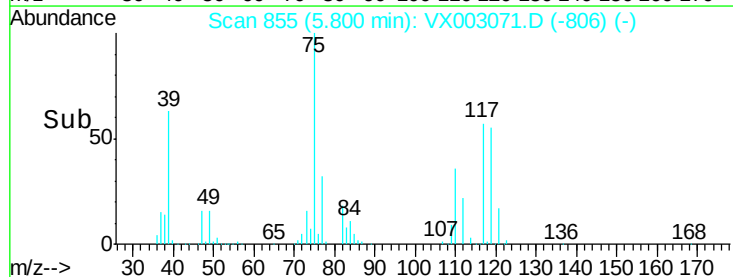
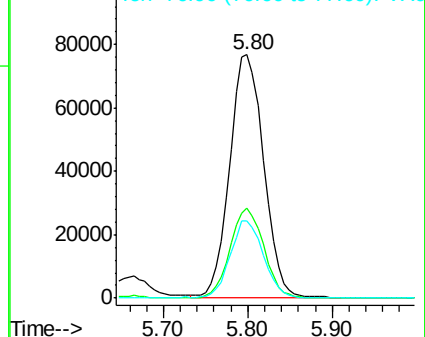
77 31.1 24.3 36.5

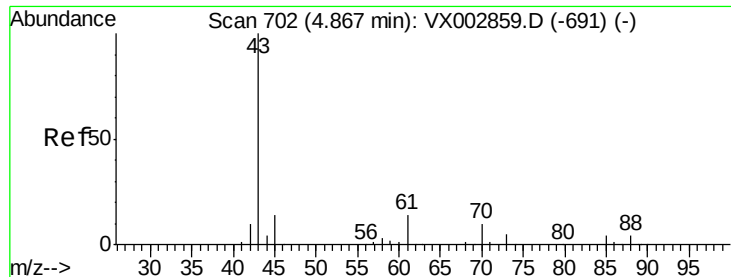


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

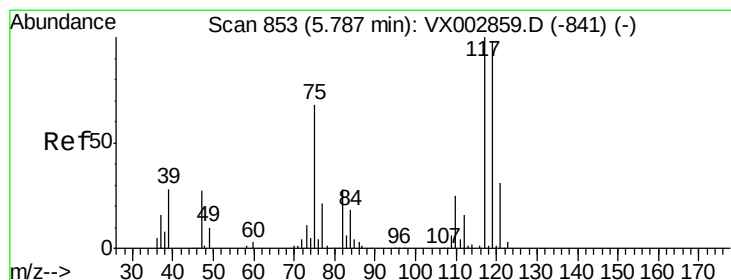
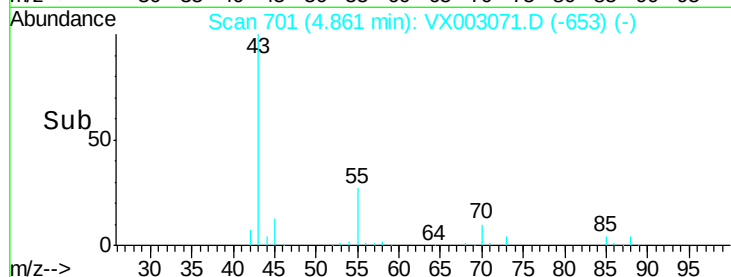
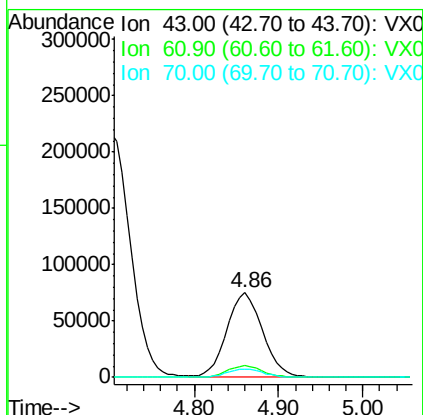
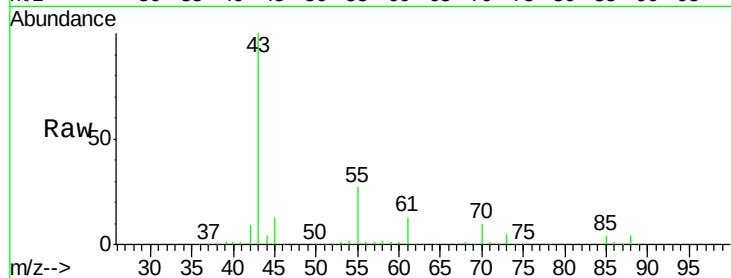




#37
Ethyl Acetate
Concen: 46.09 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

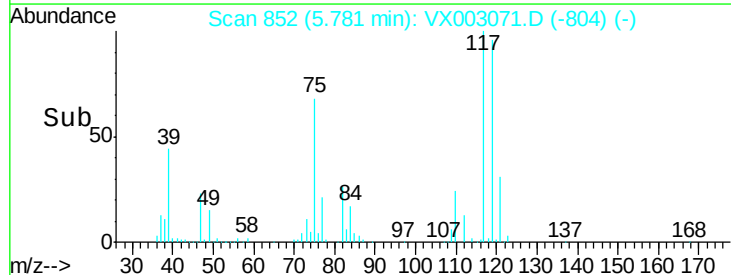
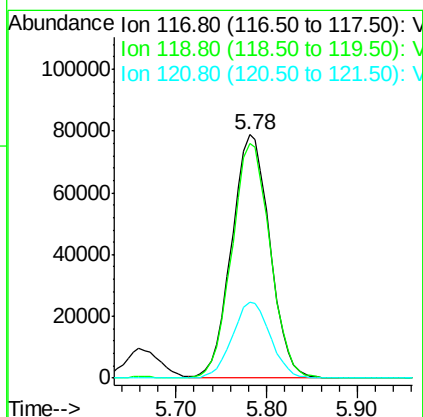
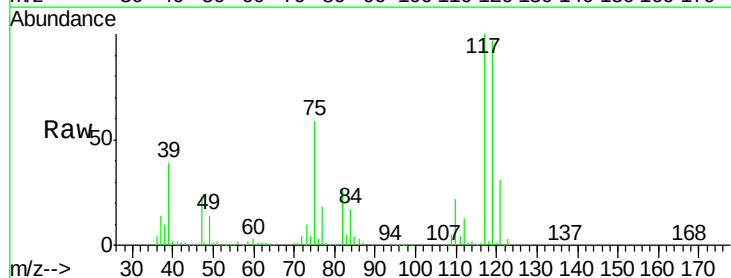
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

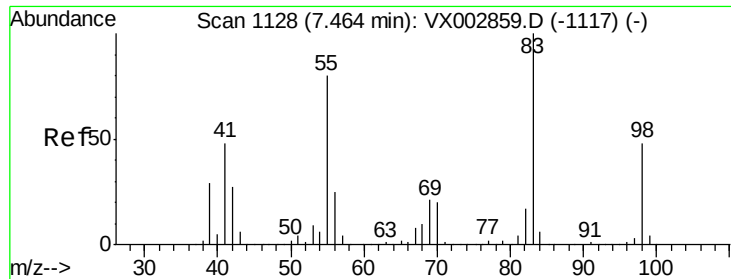
Tot Ion: 43 Resp: 216009
Ion Ratio Lower Upper
43 100
61 13.5 10.4 15.6
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 117 Resp: 229316
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
121 31.3 24.4 36.6

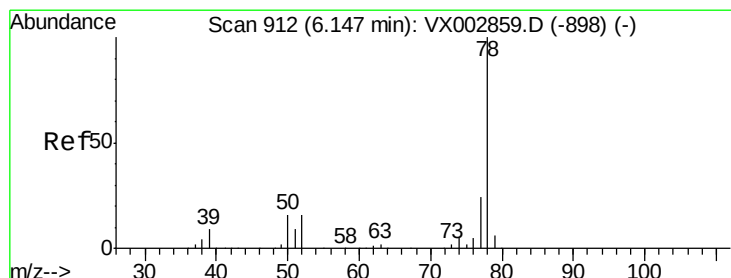
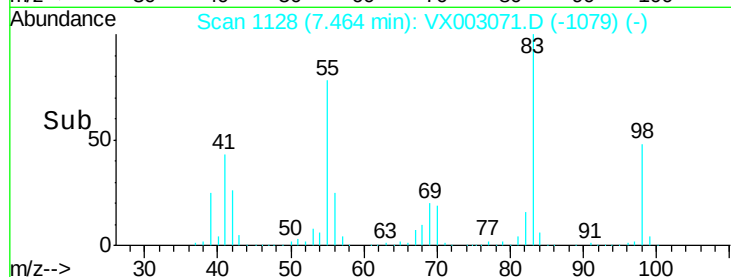
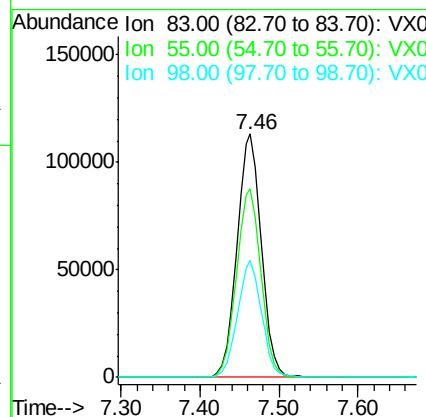
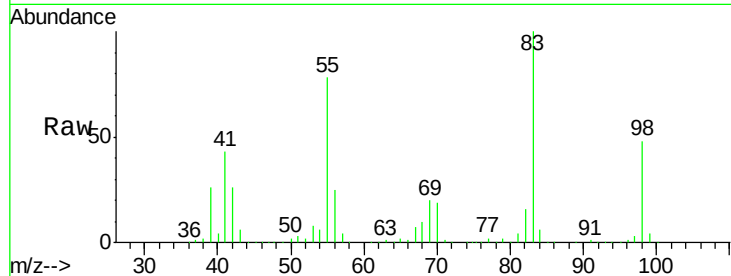




#39
Methylvlcyclohexane
Concen: 47.75 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

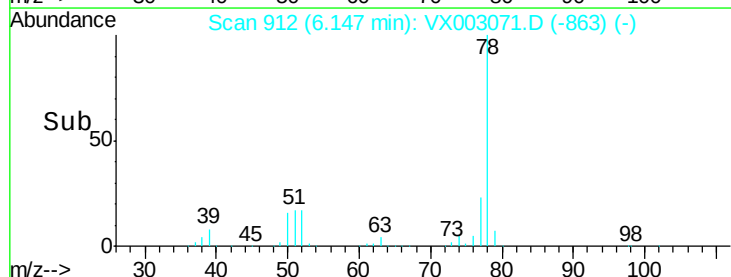
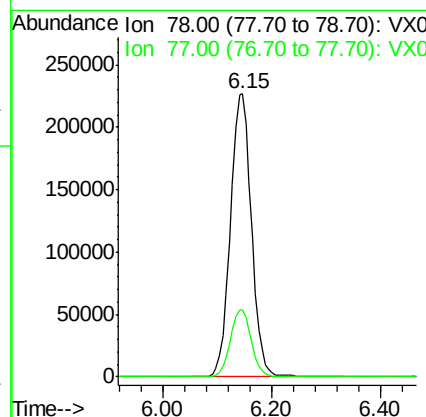
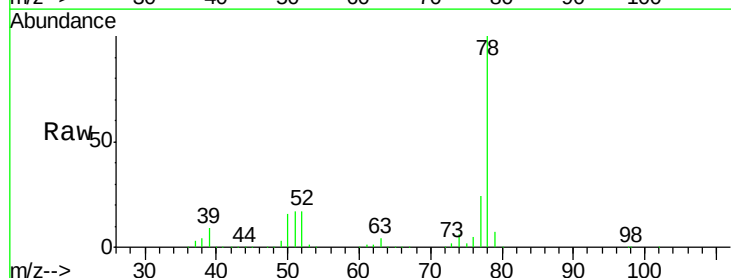
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

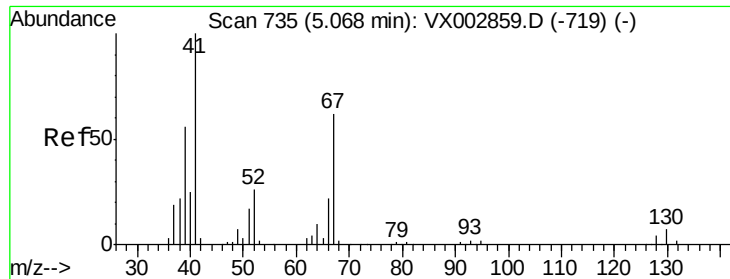
Tot Ion	83.00	Resp	242086
Ion Ratio	Lower	Upper	
83	100		
55	77.5	65.4	98.0
98	47.8	37.4	56.0



#40
Benzene
Concen: 48.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion	78.00	Resp	609686
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.1	28.7

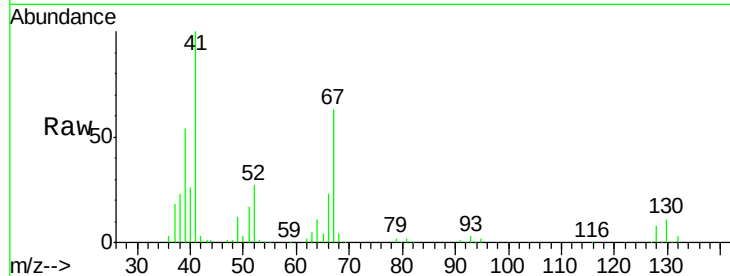




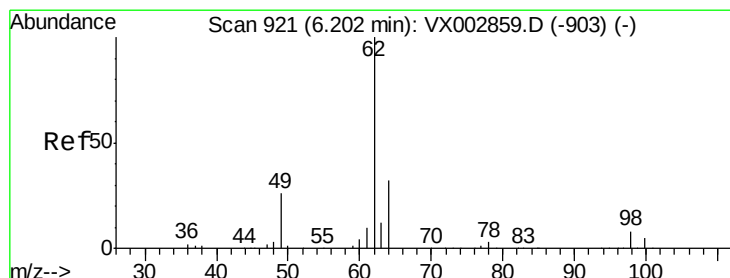
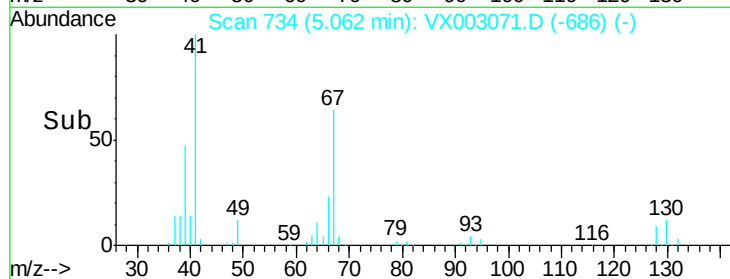
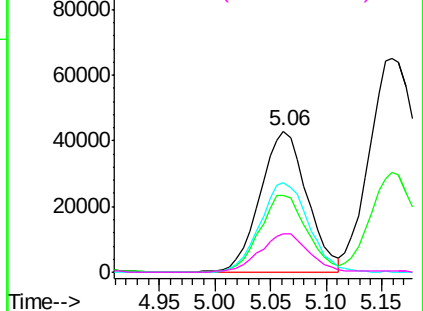
#41
Methacrylonitrile
Concen: 46.38 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	125172
Ion	Ratio	Lower	Upper
41	100		
39	55.0	45.8	68.6
67	66.5	51.3	76.9
52	28.8	23.0	34.6

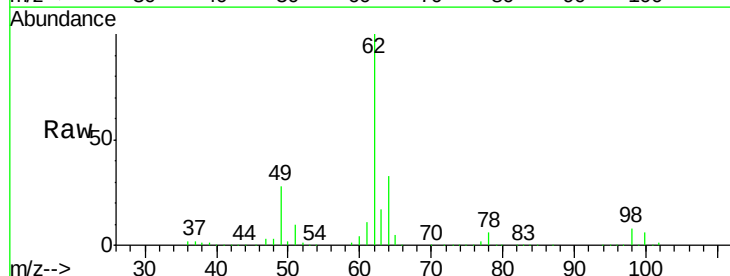


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

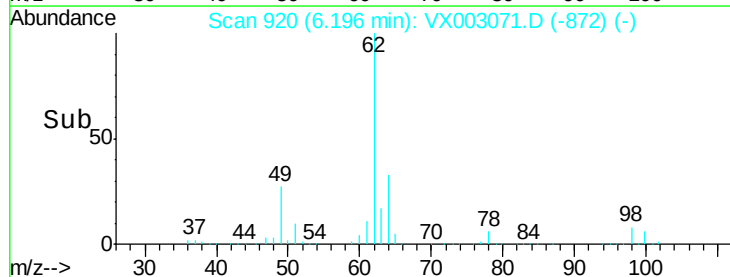
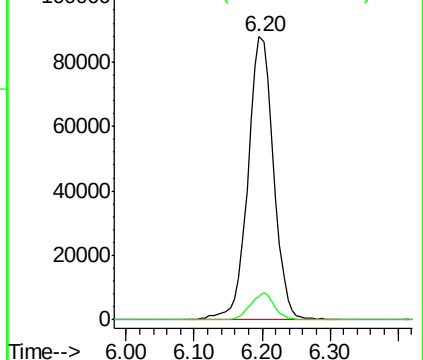


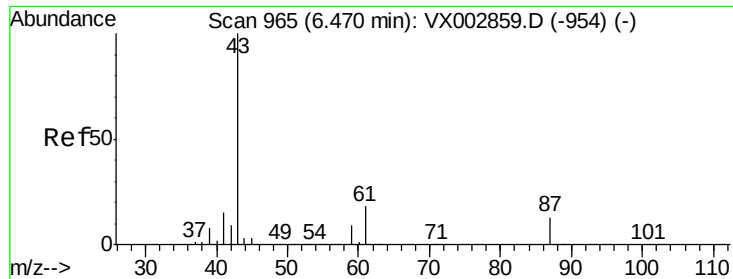
#42
1,2-Dichloroethane
Concen: 45.00 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion:	62	Resp:	229898
Ion	Ratio	Lower	Upper
62	100		
98	9.0	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: 45.08 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

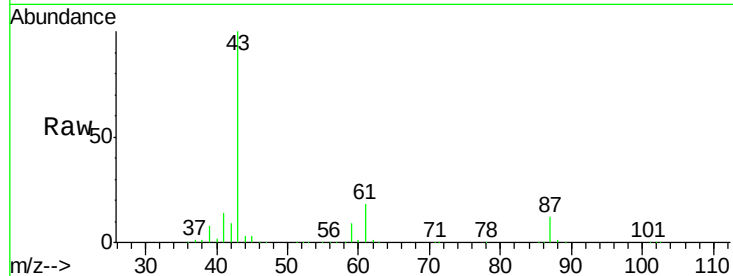
Tot Ion: 43 Resp: 354292

Ion Ratio Lower Upper

43 100

61 18.6 14.4 21.6

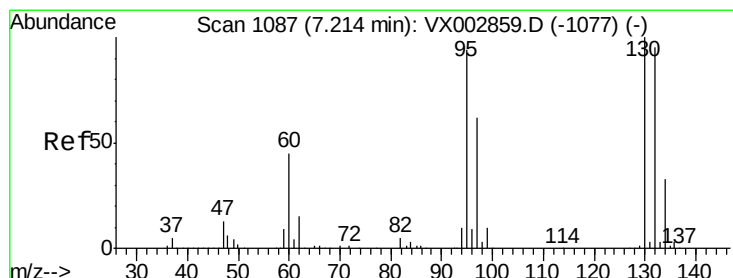
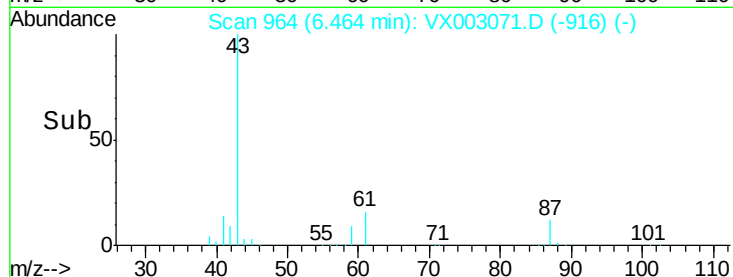
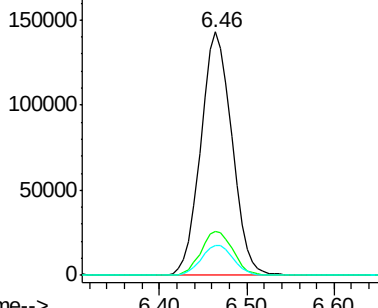
87 12.9 9.5 14.3



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: 48.16 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003071.D

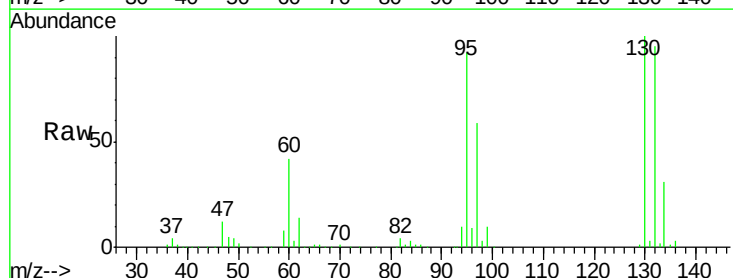
Acq: 30 Jun 2018 10:57

Tgt Ion:130 Resp: 181607

Ion Ratio Lower Upper

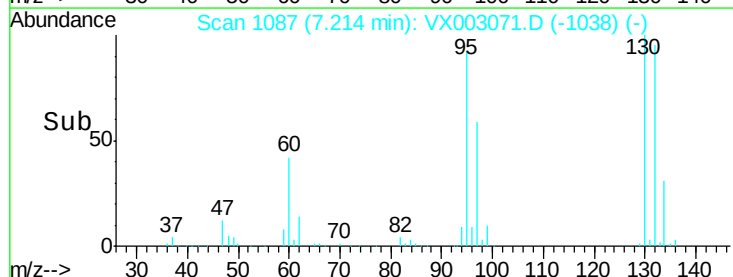
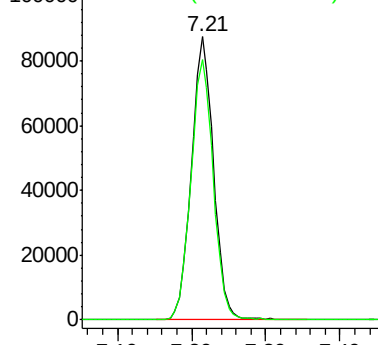
130 100

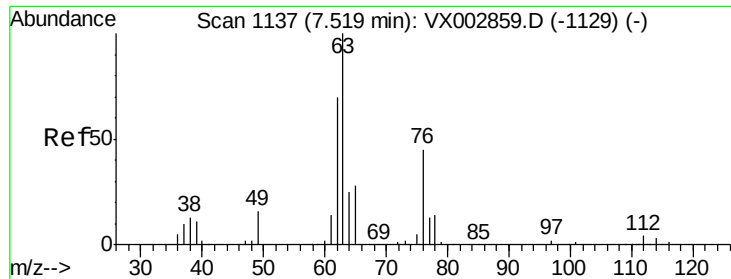
95 92.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

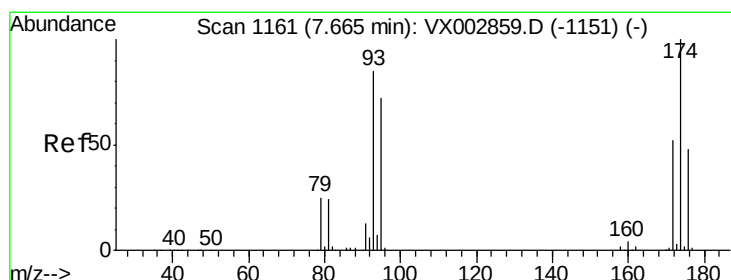
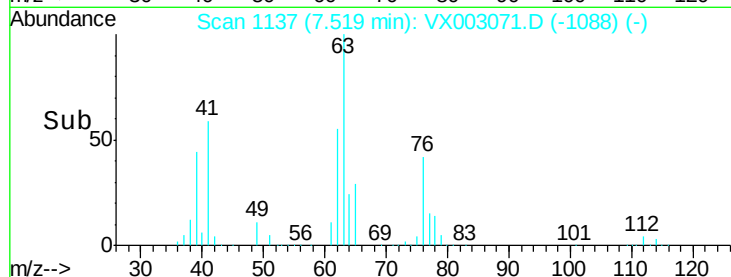
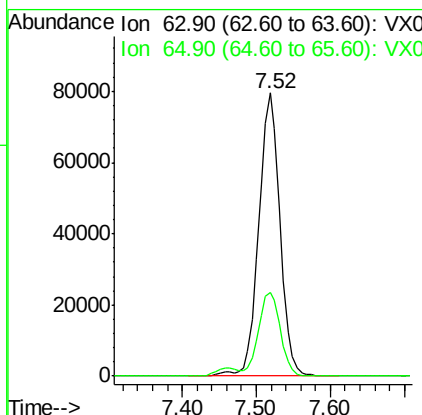
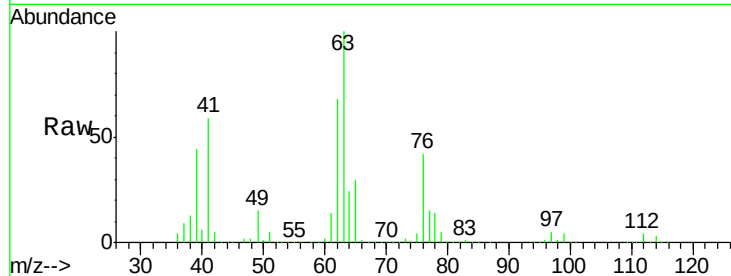




#45
 1,2-Dichloropropane
 Concen: 47.48 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

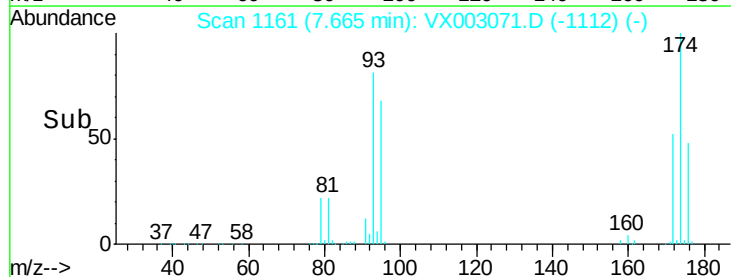
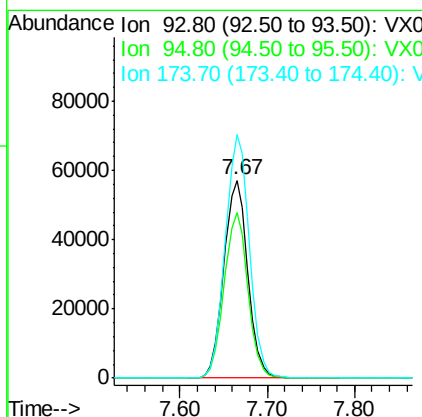
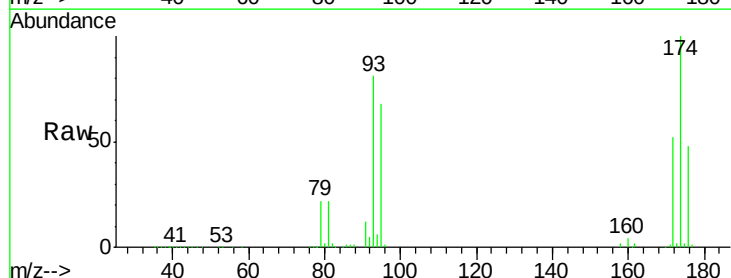
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

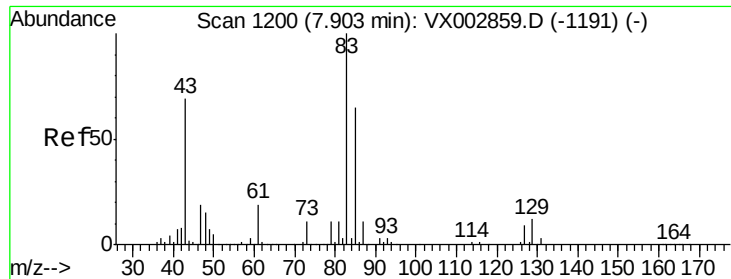
Tot Ion: 63 Resp: 159280
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.7 37.1



#46
 Dibromomethane
 Concen: 46.64 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 93 Resp: 108583
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.9 98.9
 174 124.0 92.4 138.6





#47

Bromodichloromethane

Concen: 48.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

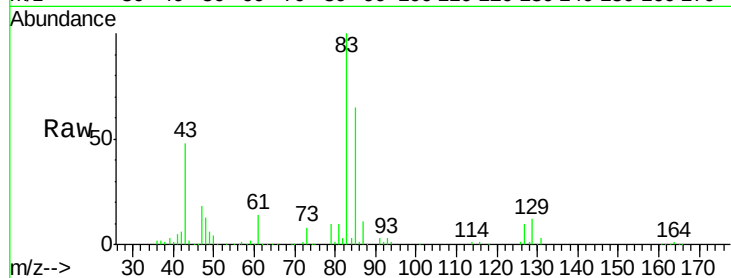
Tot Ion: 83 Resp: 208975

Ion Ratio Lower Upper

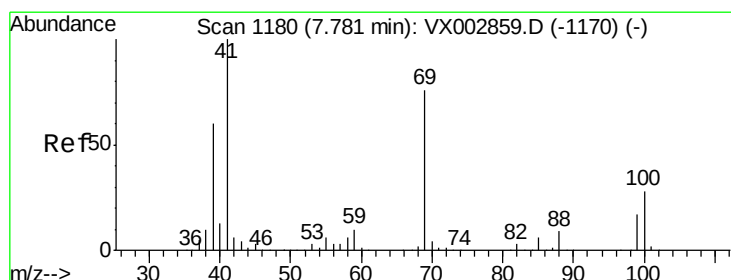
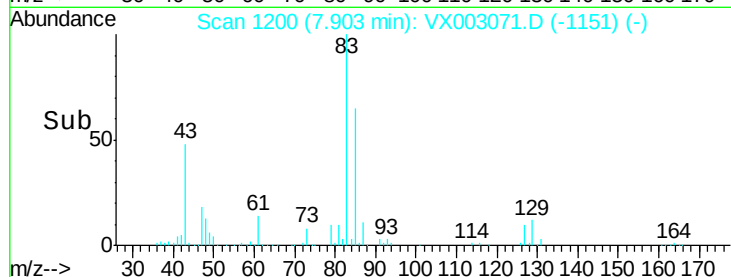
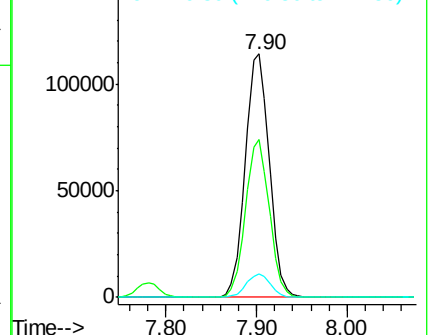
83 100

85 64.9 50.3 75.5

127 9.6 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: 45.60 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

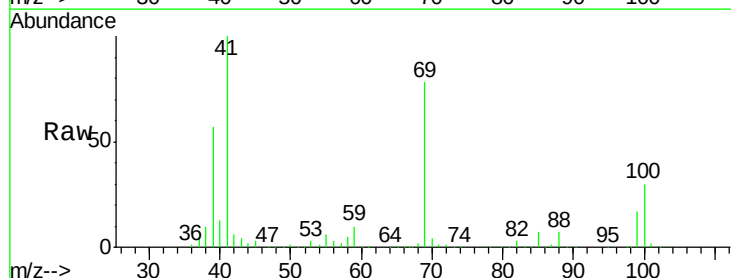
Tgt Ion: 41 Resp: 184659

Ion Ratio Lower Upper

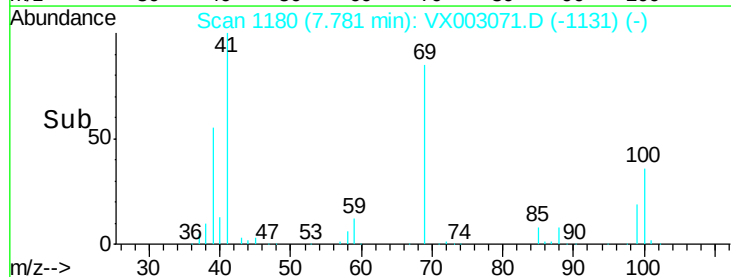
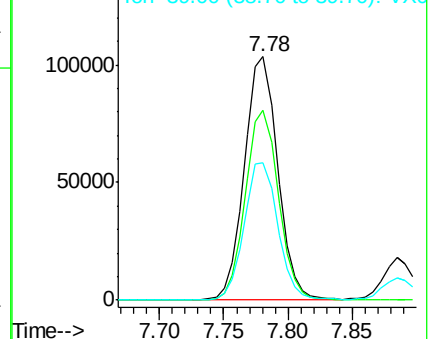
41 100

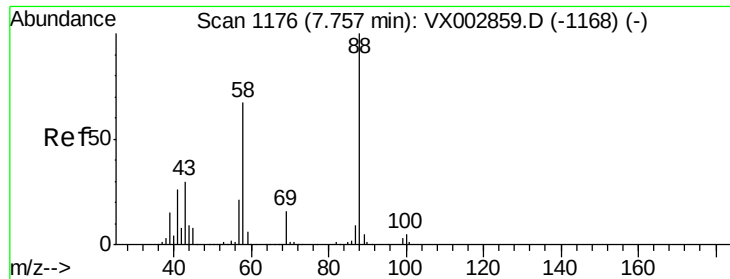
69 78.4 59.1 88.7

39 57.1 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

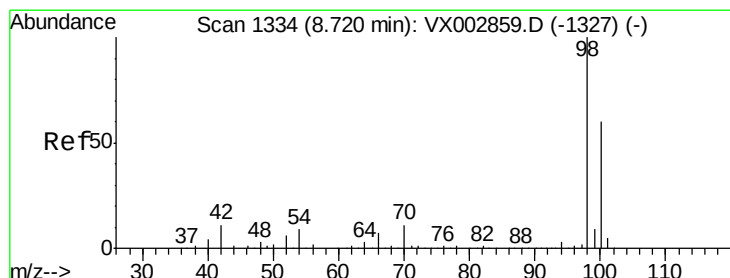
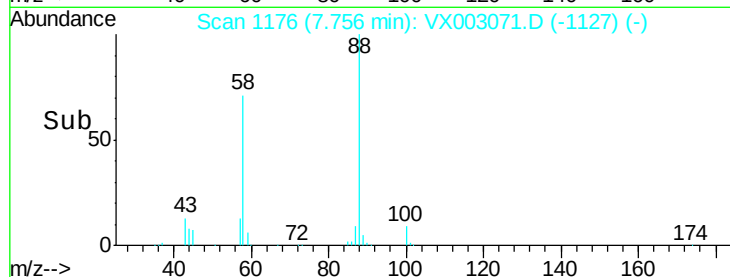
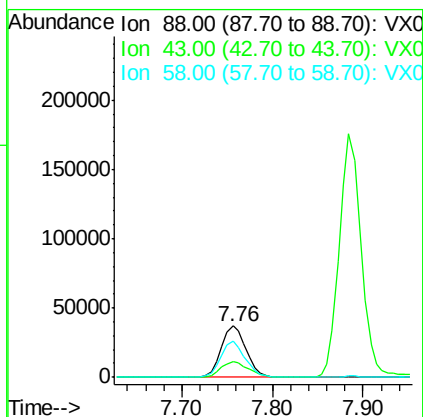
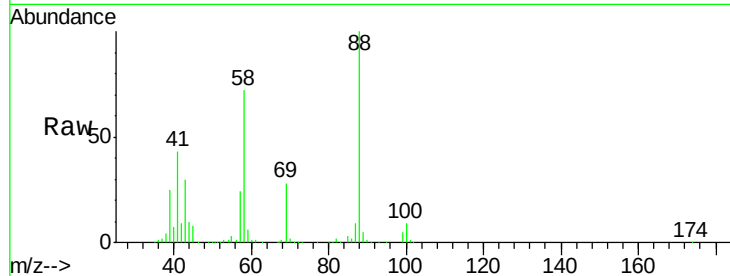




#49
1,4-Dioxane
Concen: 907.20 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

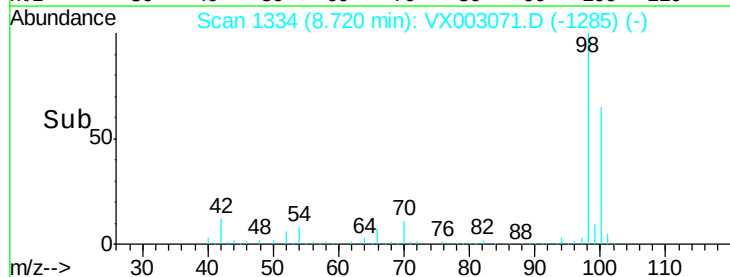
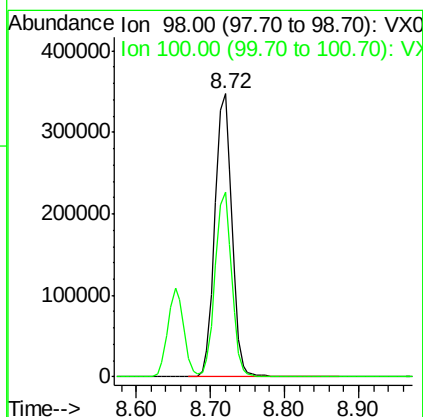
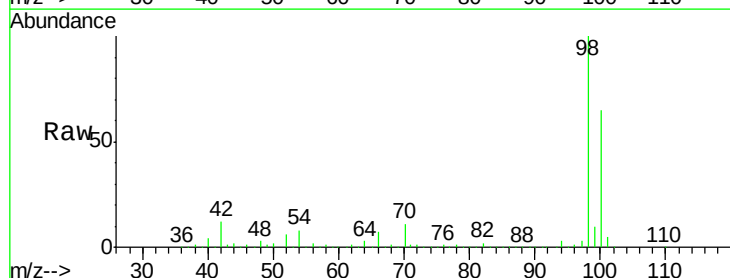
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

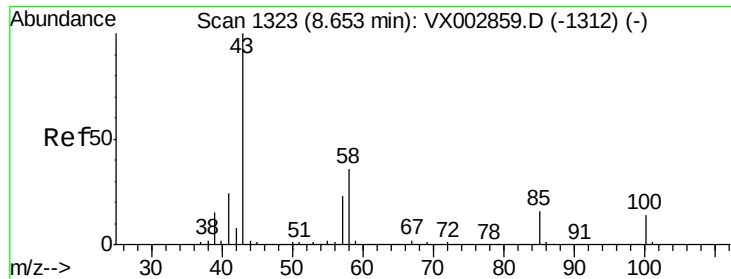
Tot Ion: 88 Resp: 71481
Ion Ratio Lower Upper
88 100
43 34.2 29.8 44.6
58 70.8 57.1 85.7



#50
Toluene-d8
Concen: 47.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 98 Resp: 544111
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 227.47 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

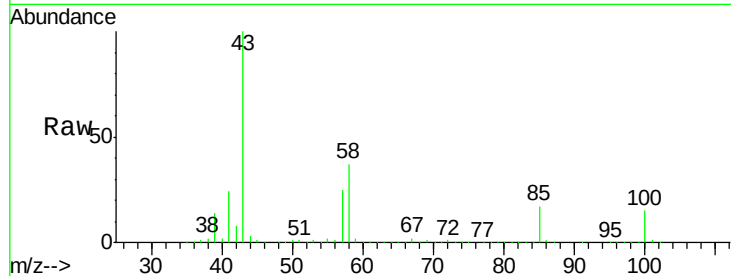
VSTDCCC050

Tot Ion: 43 Resp: 1118586

Ion Ratio Lower Upper

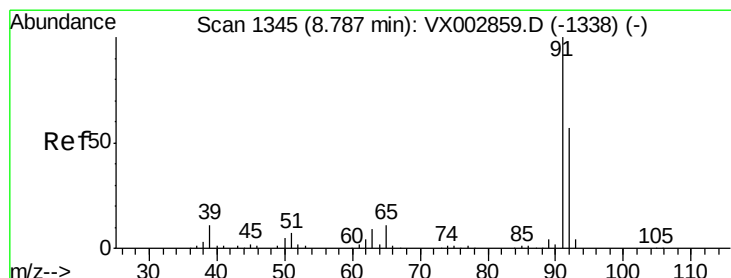
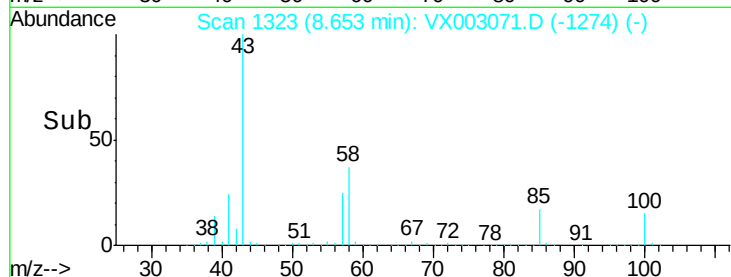
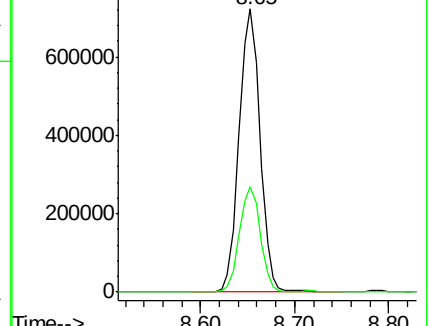
43 100

58 37.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.80 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003071.D

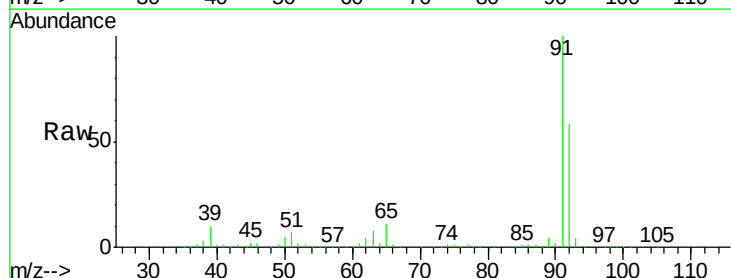
Acq: 30 Jun 2018 10:57

Tgt Ion: 92 Resp: 395396

Ion Ratio Lower Upper

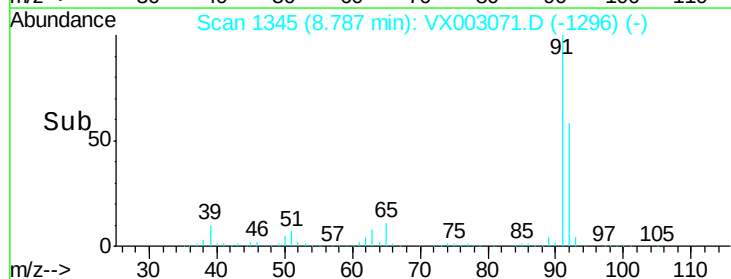
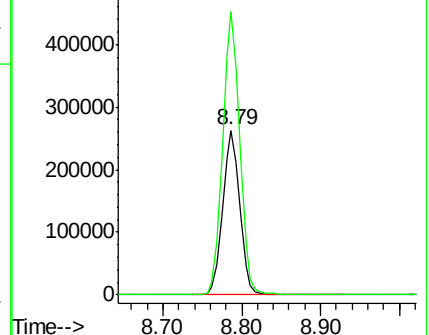
92 100

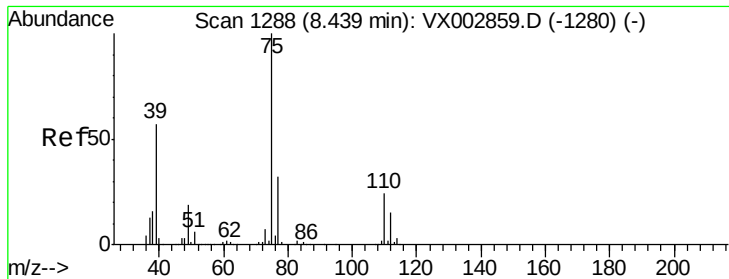
91 173.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.43 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

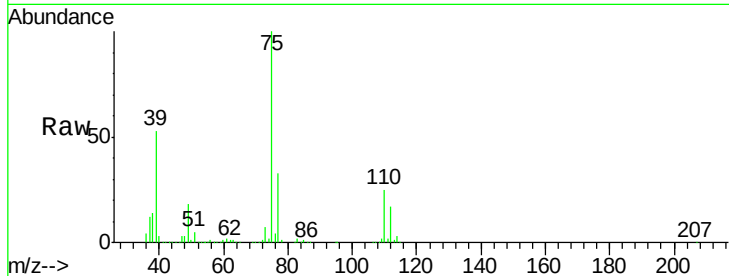
VSTDCCC050

Tot Ion: 75 Resp: 245817

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

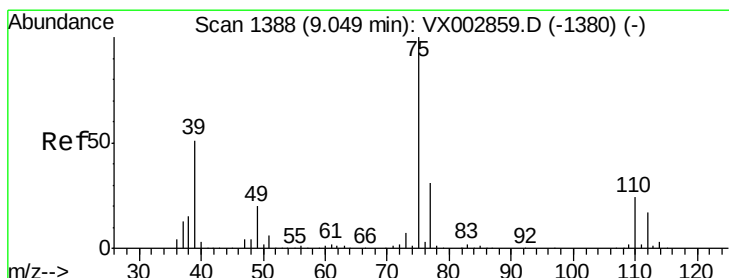
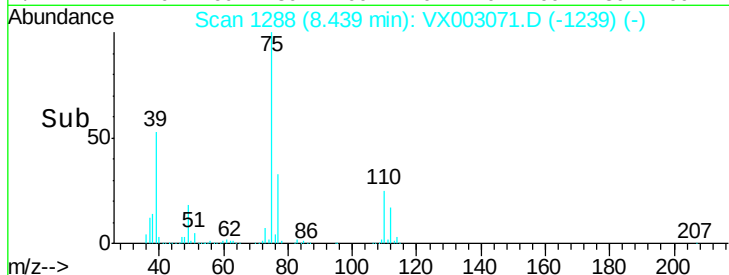
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.85 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

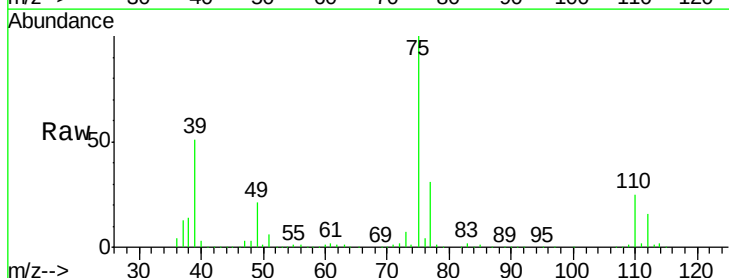
Tgt Ion: 75 Resp: 229092

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 51.1 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

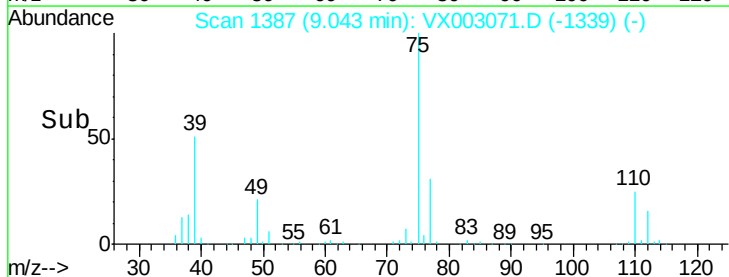
150000

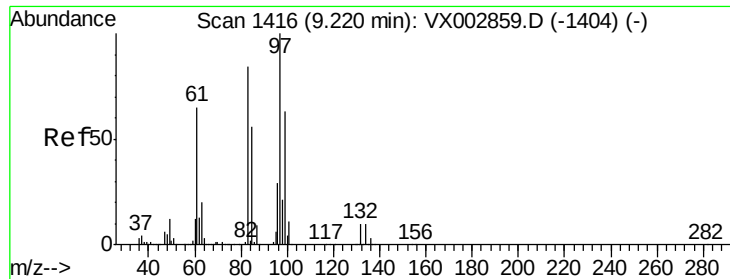
100000

50000

0

Time-->



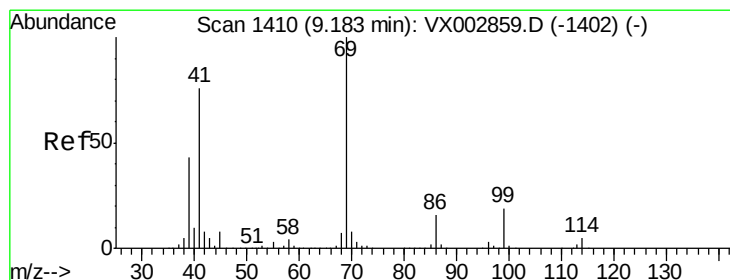
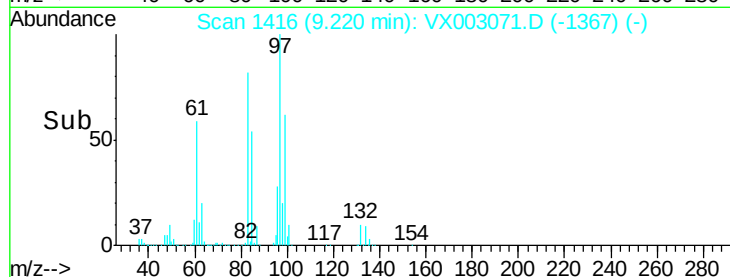
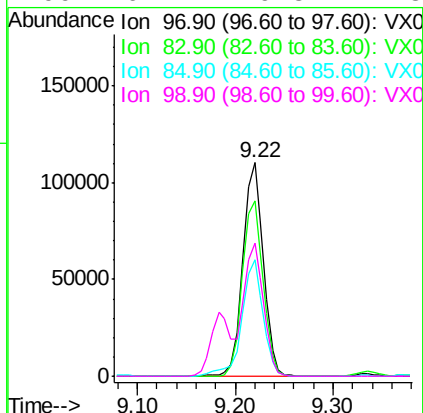
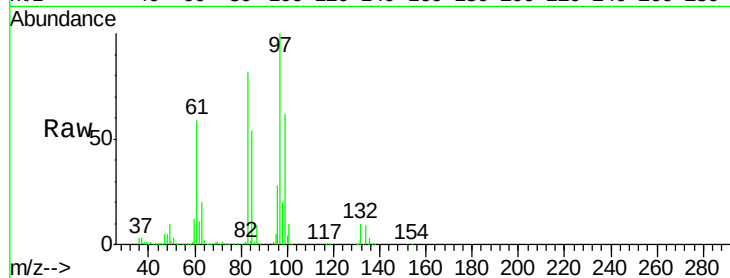


#55
 1,1,2-Trichloroethane
 Concen: 48.15 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 160303

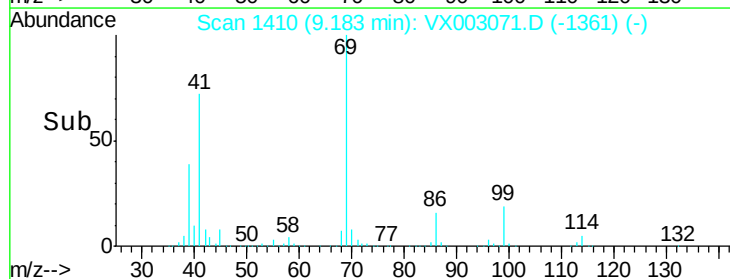
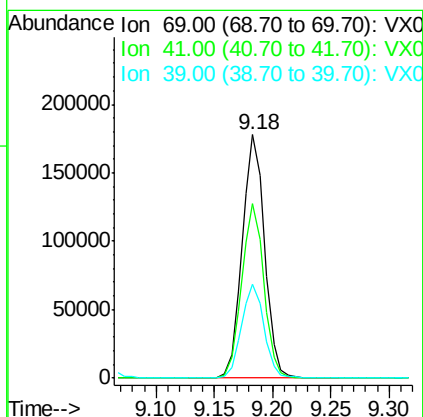
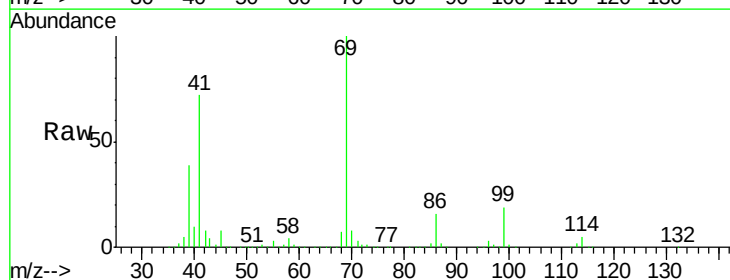
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.2	105.2
85	54.4	44.9	67.3
99	62.4	49.8	74.8

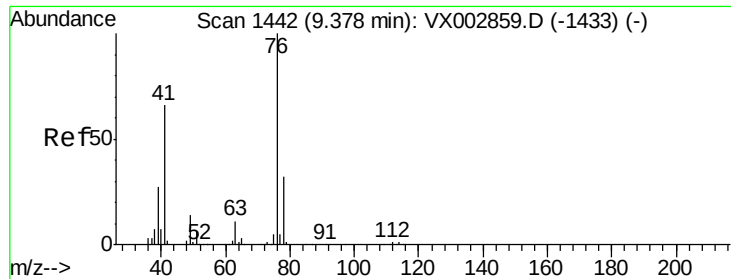


#56
 Ethyl methacrylate
 Concen: 49.25 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 69 Resp: 239634

Ion	Ratio	Lower	Upper
69	100		
41	71.0	60.3	90.5
39	38.5	35.8	53.8

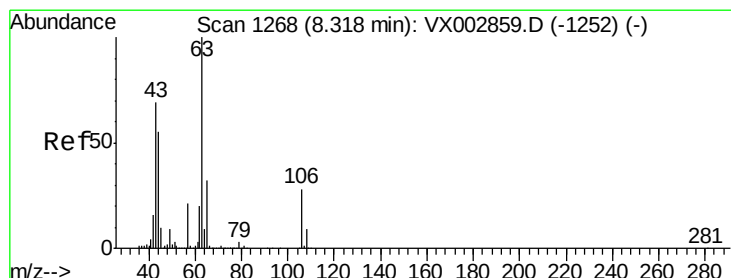
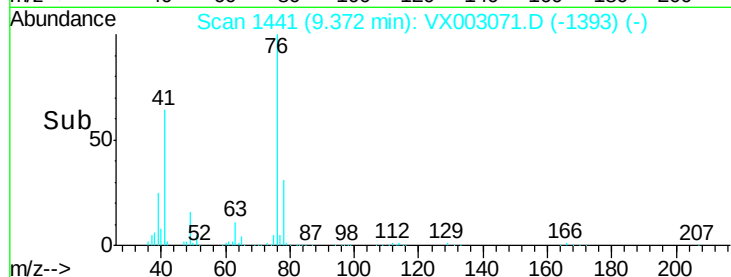
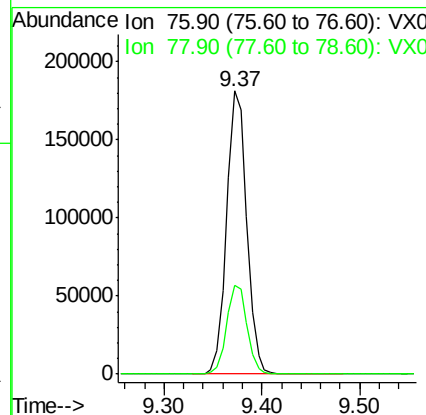
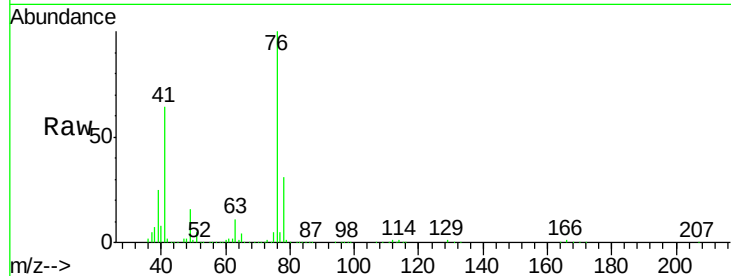




#57
 1,3-Dichloropropane
 Concen: 47.28 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

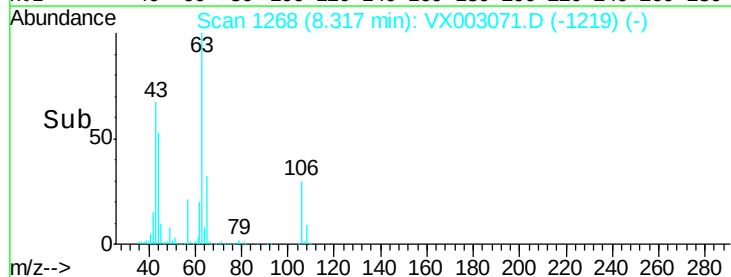
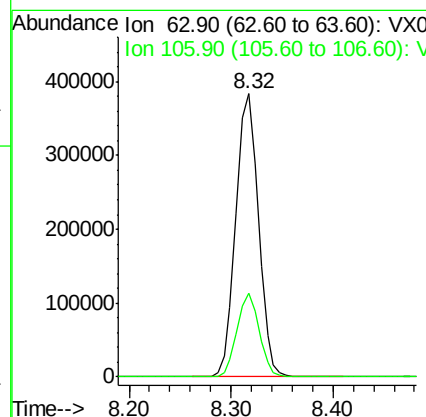
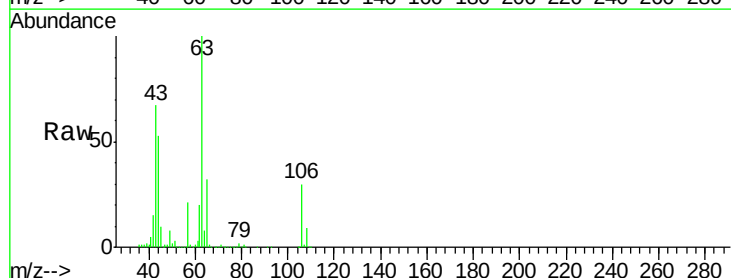
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

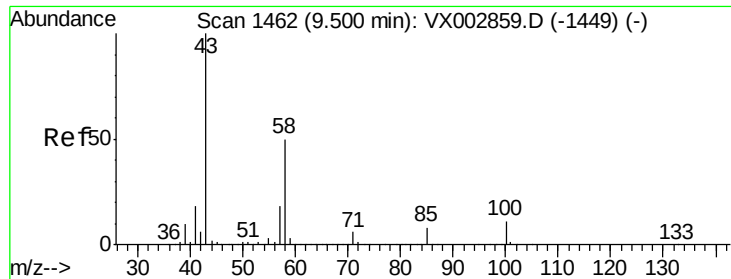
Tot Ion: 76 Resp: 258517
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.22 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 63 Resp: 587355
 Ion Ratio Lower Upper
 63 100
 106 29.1 21.8 32.8

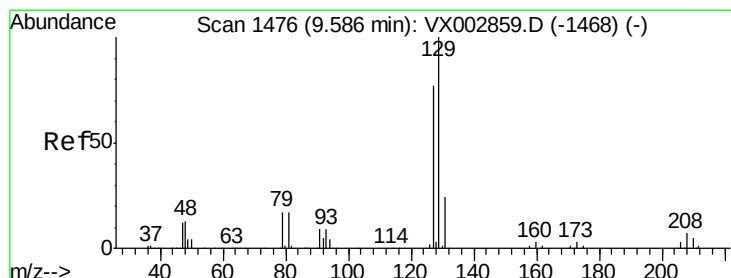
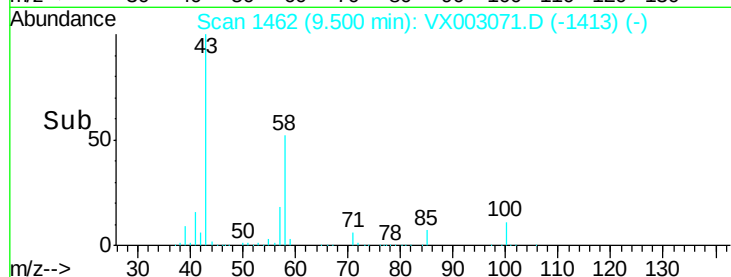
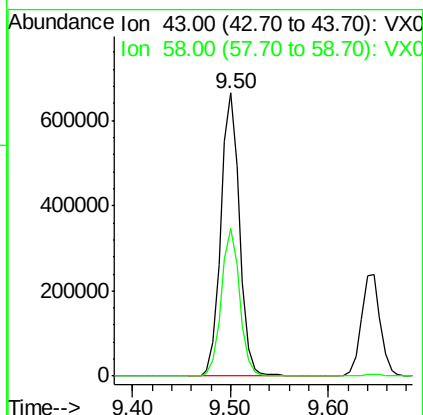
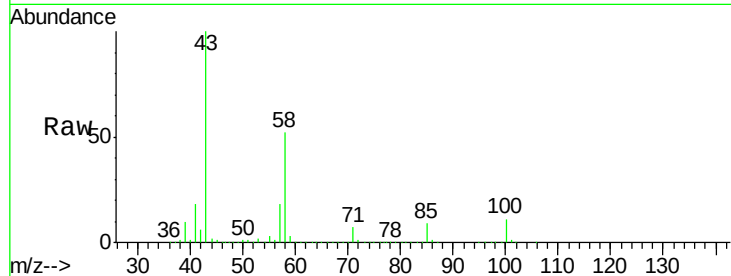




#59
2-Hexanone
Concen: 234.41 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

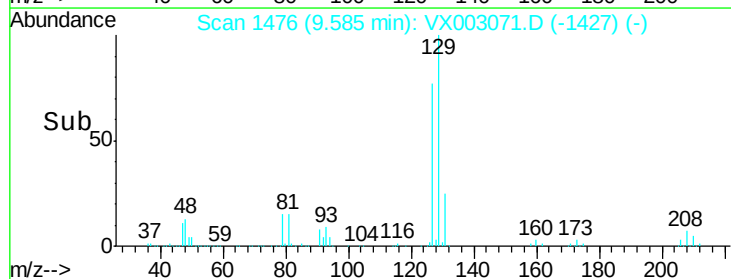
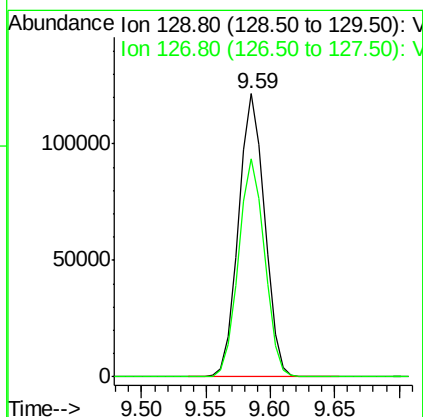
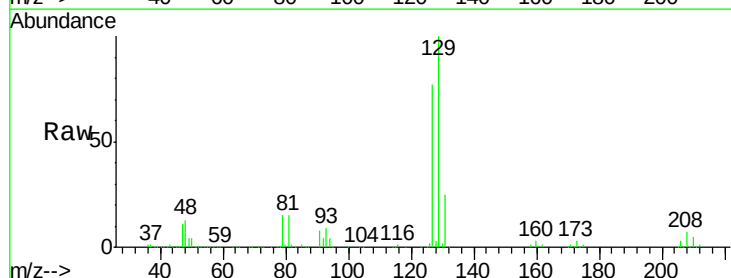
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

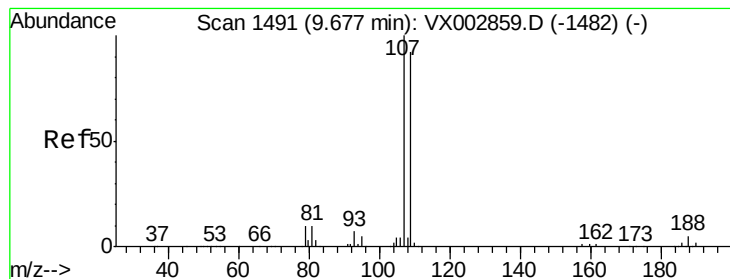
Tot Ion: 43 Resp: 876079
Ion Ratio Lower Upper
43 100
58 51.5 24.6 73.6



#60
Dibromochloromethane
Concen: 48.98 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion: 129 Resp: 171666
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.58 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

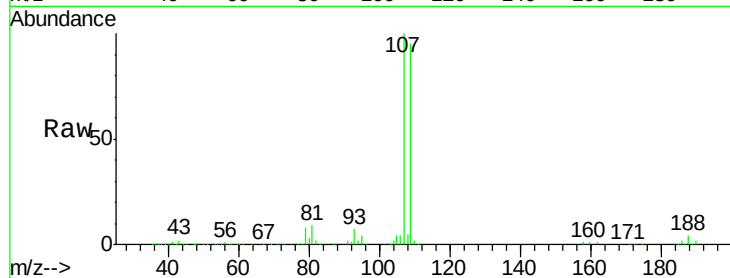
VSTDCCC050

Tot Ion:107 Resp: 166145

Ion Ratio Lower Upper

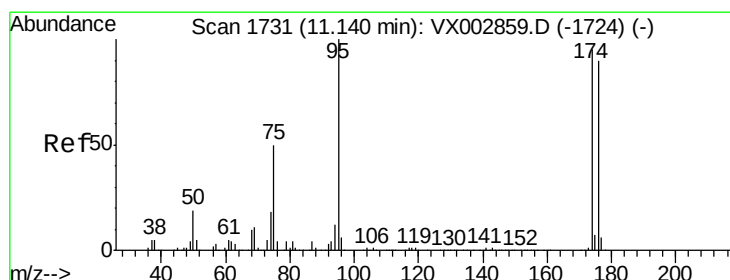
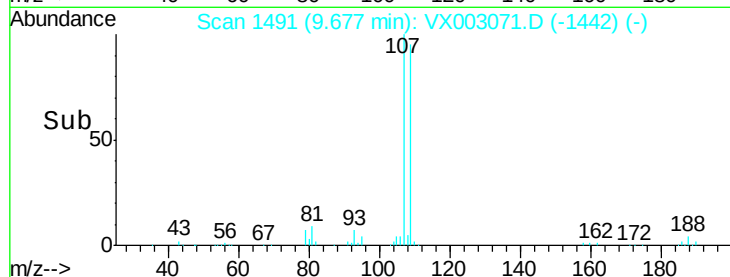
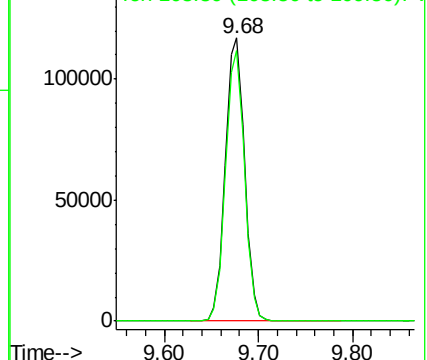
107 100

109 94.1 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: 46.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

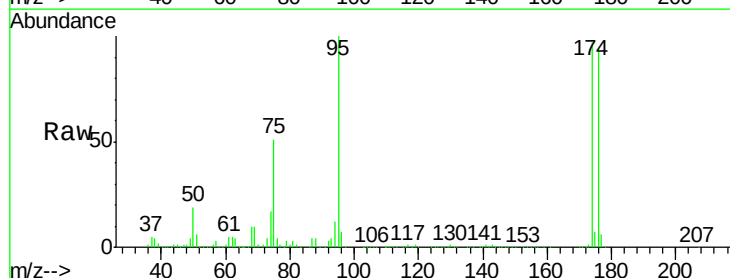
Tgt Ion: 95 Resp: 206264

Ion Ratio Lower Upper

95 100

174 98.5 0.0 187.4

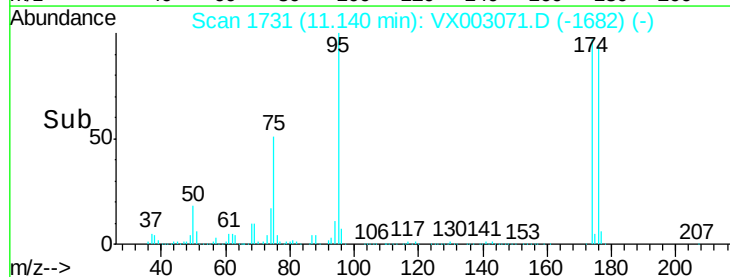
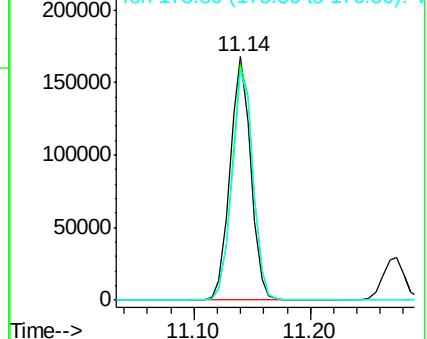
176 96.1 0.0 181.0

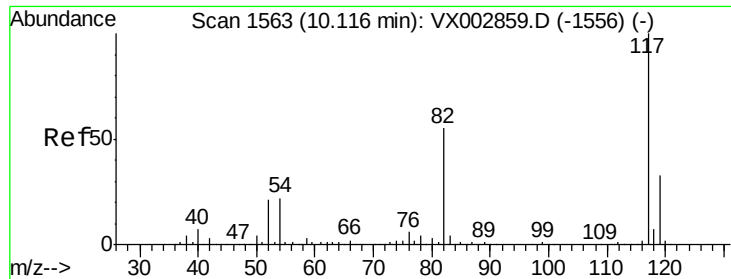


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

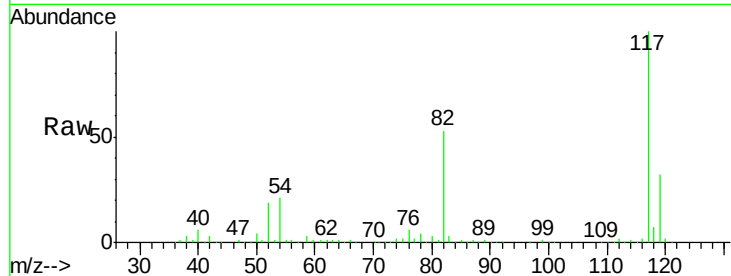




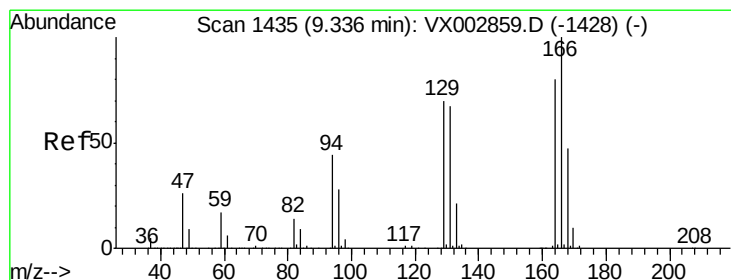
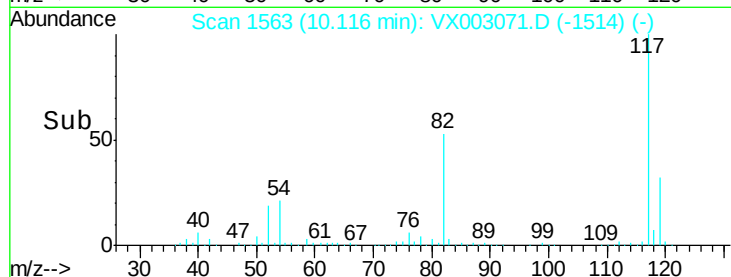
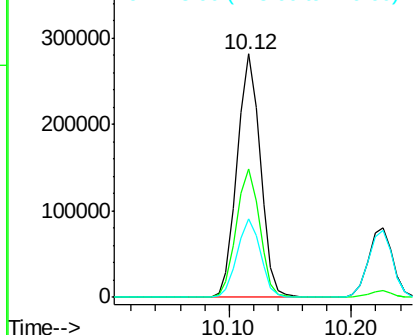
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 369483
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.4
119 32.0 25.8 38.6

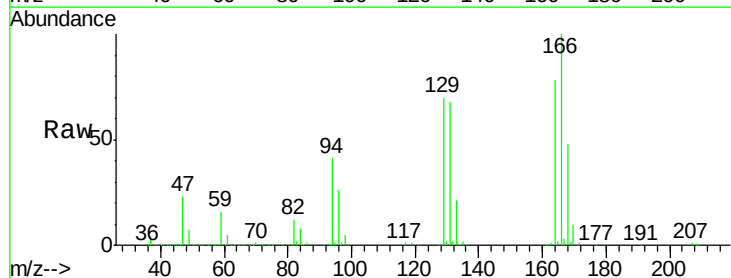


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

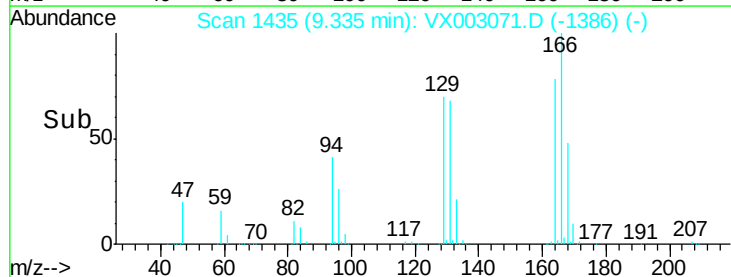
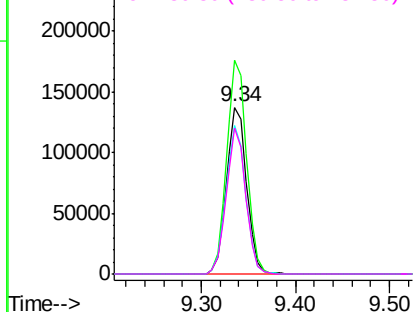


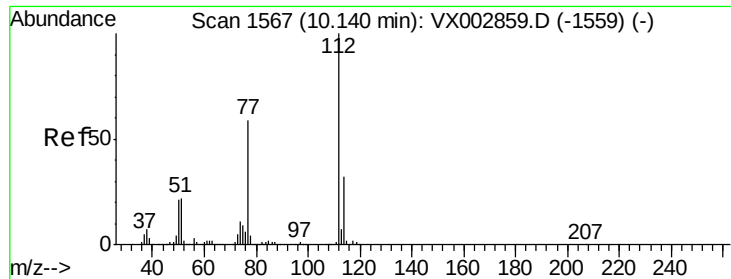
#64
Tetrachloroethene
Concen: 49.25 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion:164 Resp: 202334
Ion Ratio Lower Upper
164 100
166 128.1 102.9 154.3
129 89.1 68.6 102.8
131 87.7 66.8 100.2



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

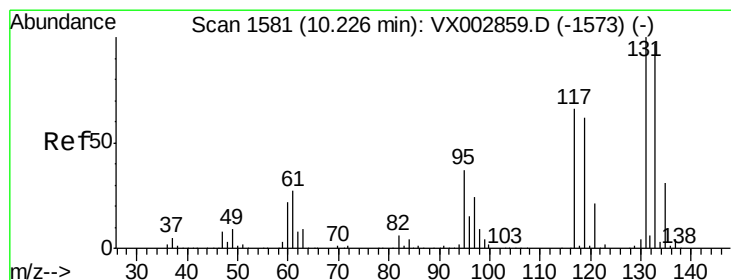
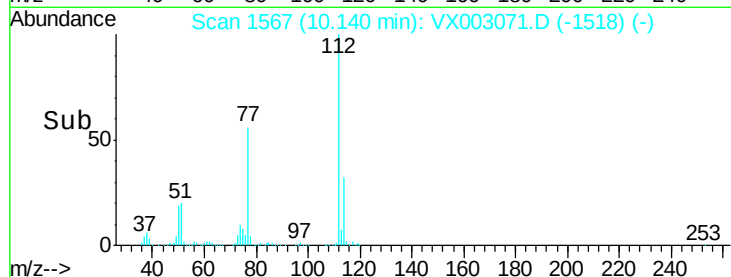
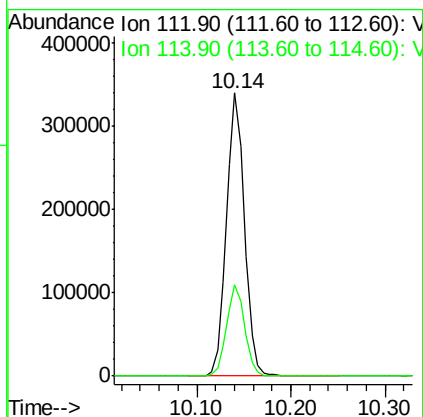
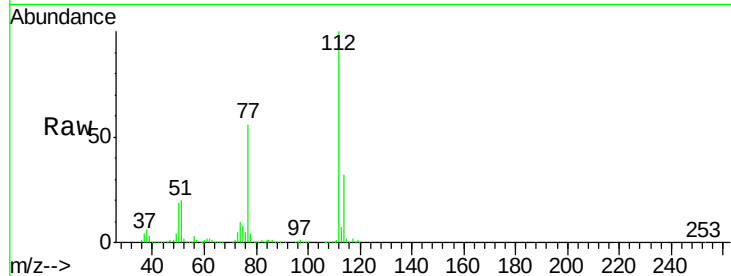




#65
Chlorobenzene
Concen: 48.27 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

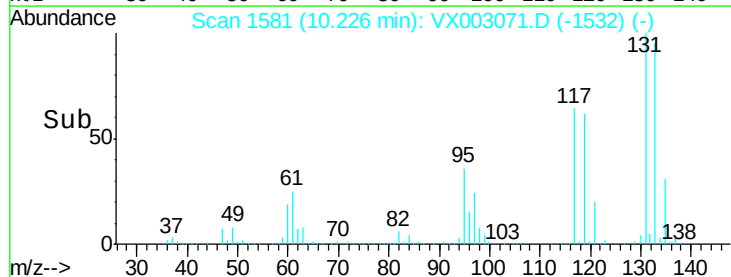
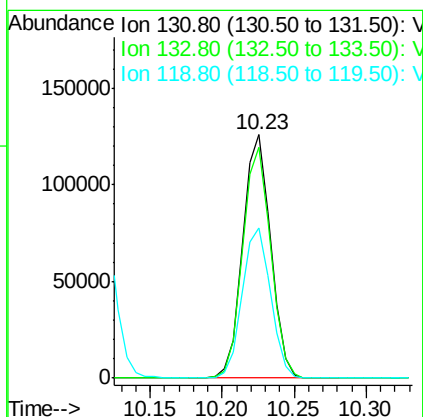
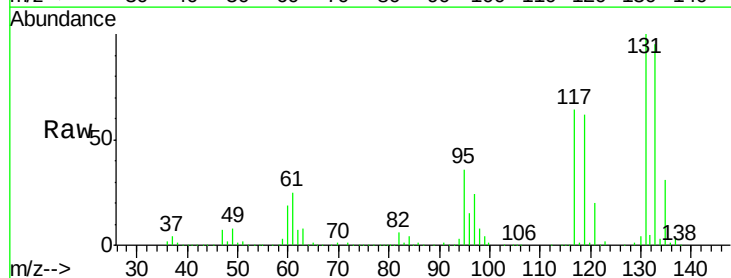
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

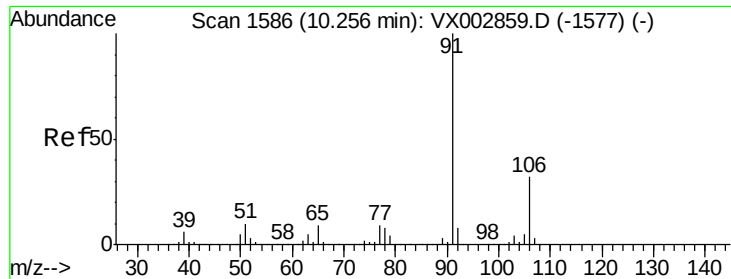
Tot Ion:112 Resp: 453023
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.46 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion:131 Resp: 168606
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 62.8 31.8 95.3





#67

Ethyl Benzene

Concen: 49.78 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

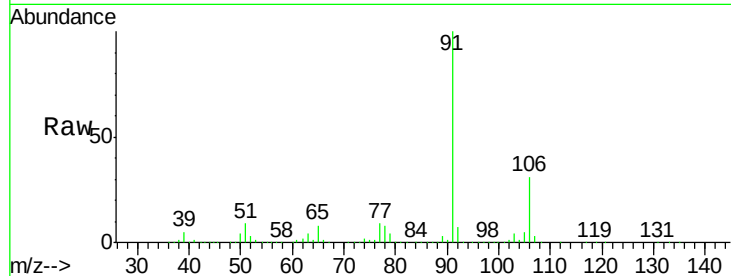
VSTDCCC050

Tot Ion: 91 Resp: 771771

Ion Ratio Lower Upper

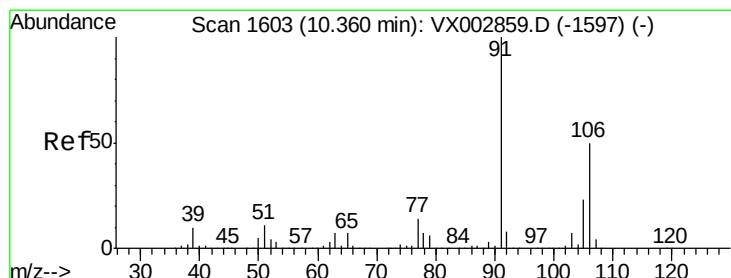
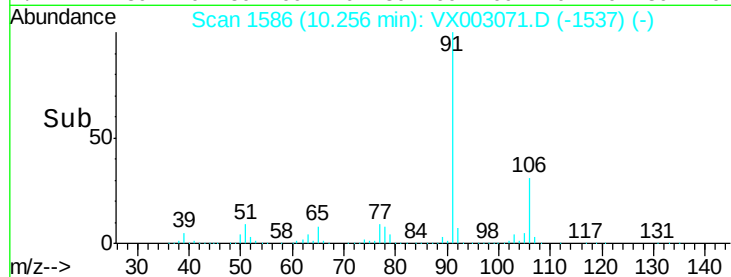
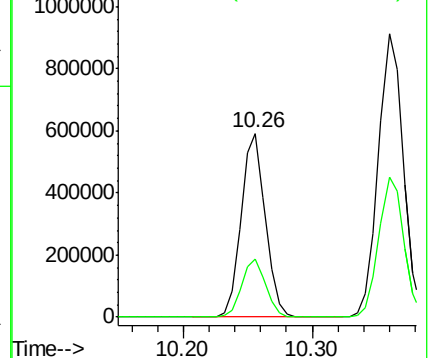
91 100

106 31.4 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.07 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003071.D

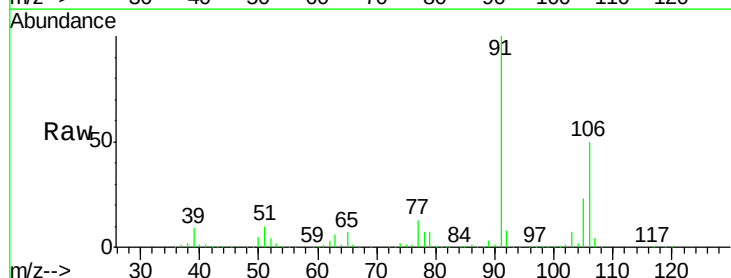
Acq: 30 Jun 2018 10:57

Tgt Ion: 106 Resp: 603901

Ion Ratio Lower Upper

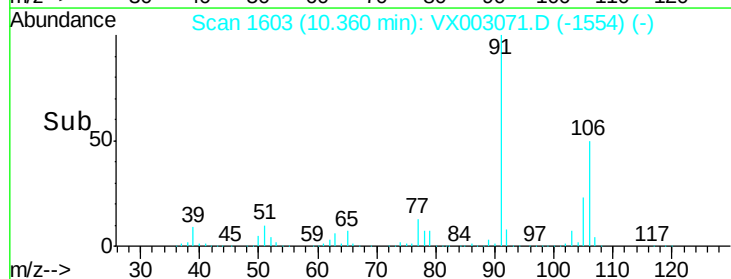
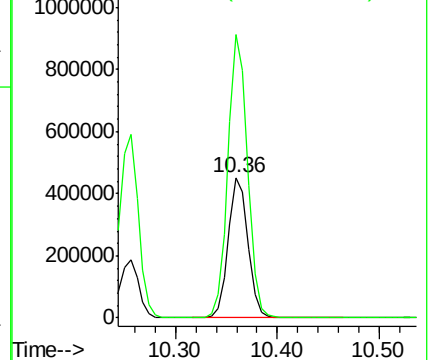
106 100

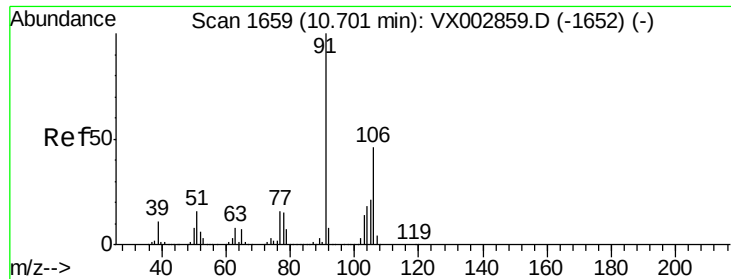
91 201.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

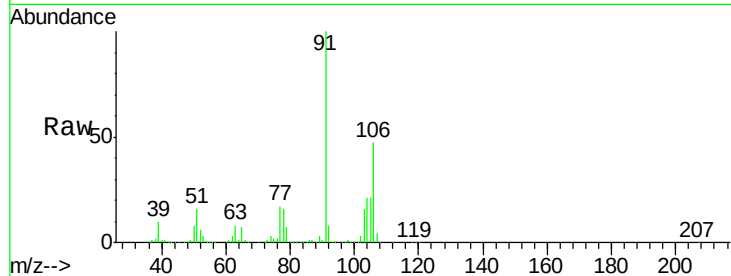




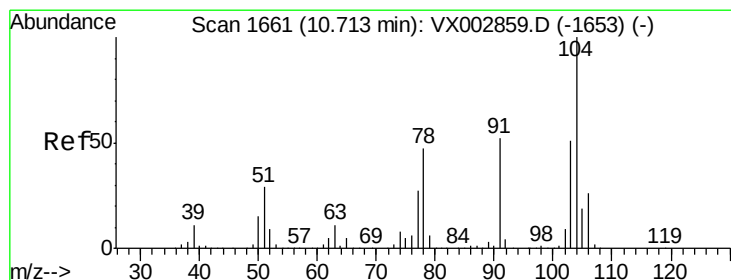
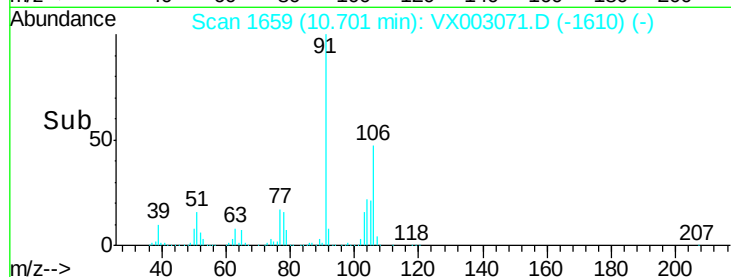
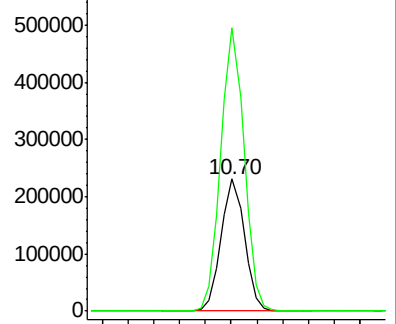
#69
o-Xylene
Concen: 49.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 289709
Ion Ratio Lower Upper
106 100
91 213.4 108.2 324.6

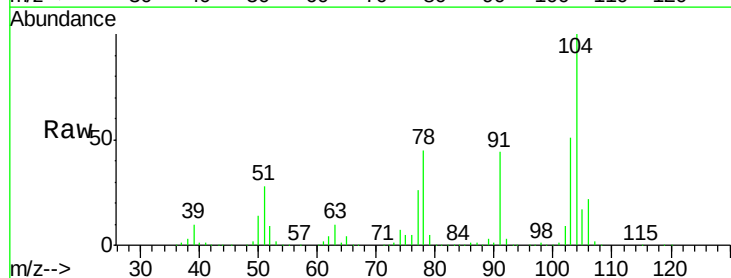


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

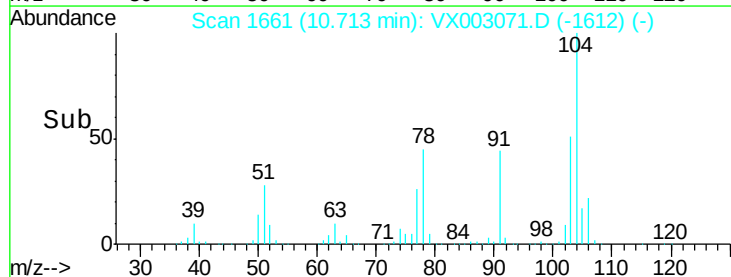
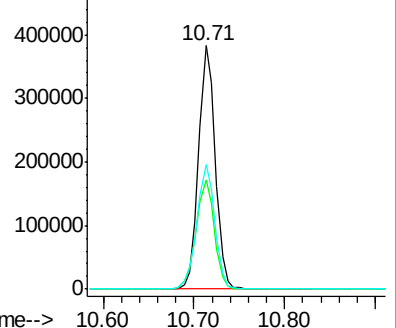


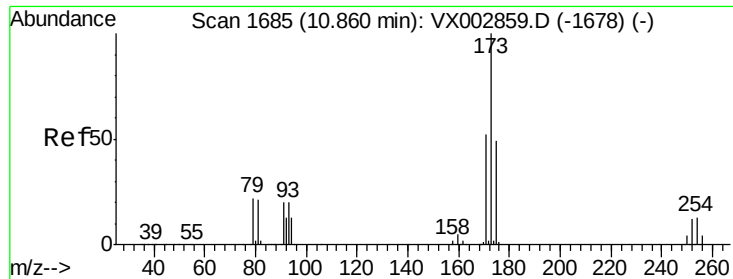
#70
Styrene
Concen: 51.94 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003071.D
Acq: 30 Jun 2018 10:57

Tgt Ion:104 Resp: 491035
Ion Ratio Lower Upper
104 100
78 49.8 41.0 61.6
103 55.3 44.2 66.4



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





#71

Bromoform

Concen: 43.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

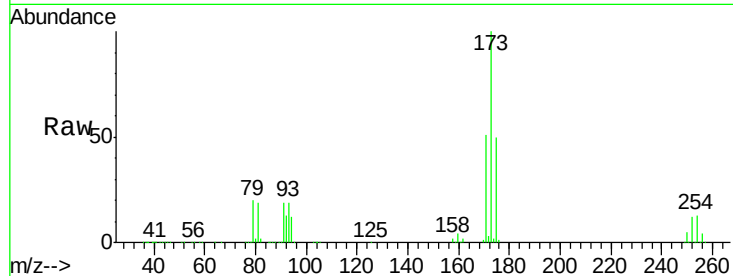
Tot Ion:173 Resp: 133530

Ion Ratio Lower Upper

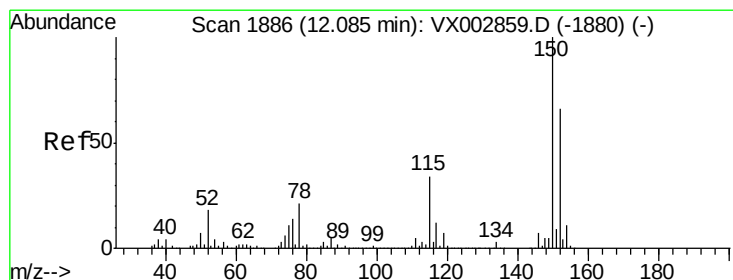
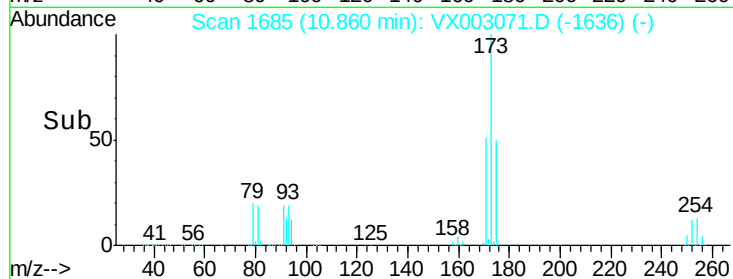
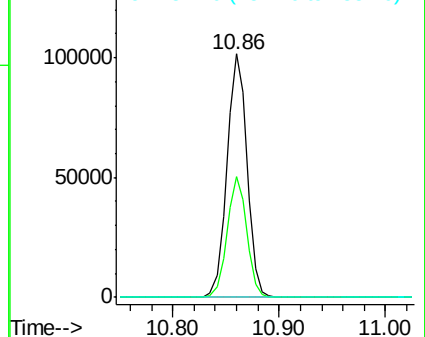
173 100

175 48.5 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: VX003071.D

Acq: 30 Jun 2018 10:57

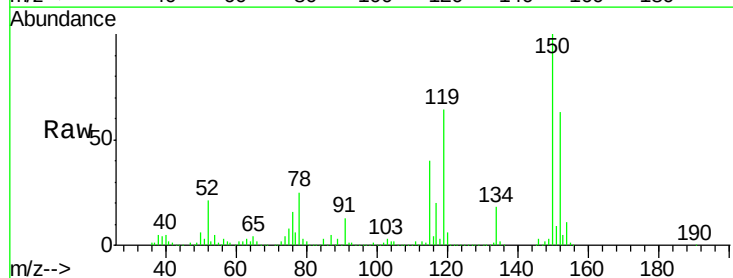
Tgt Ion:152 Resp: 230443

Ion Ratio Lower Upper

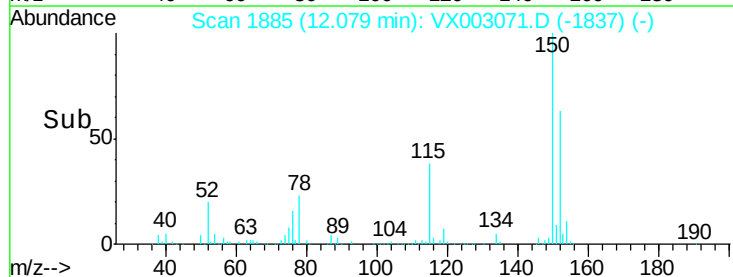
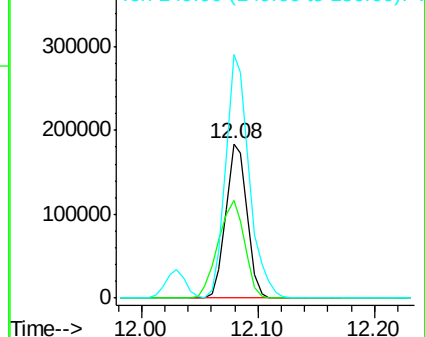
152 100

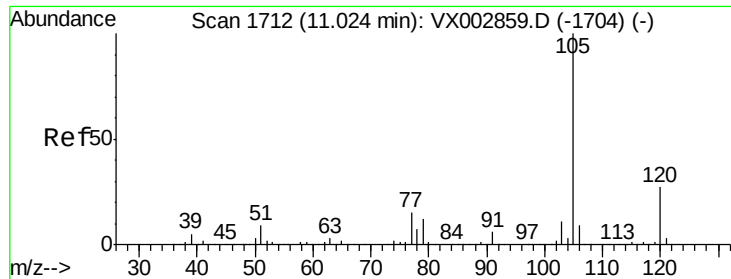
115 78.7 40.1 120.2

150 175.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 50.64 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

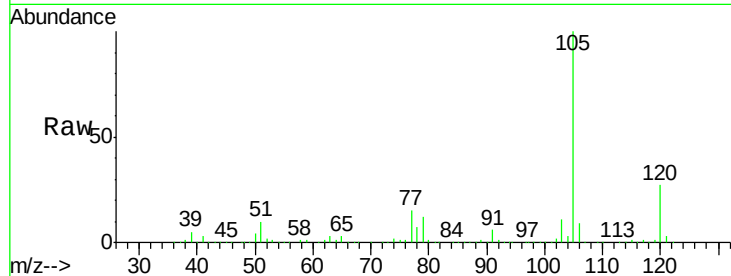
VSTDCCC050

Tot Ion:105 Resp: 785031

Ion Ratio Lower Upper

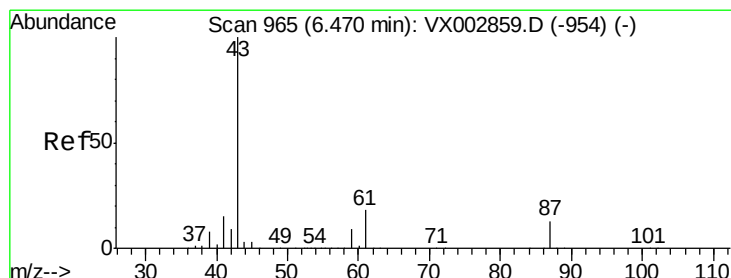
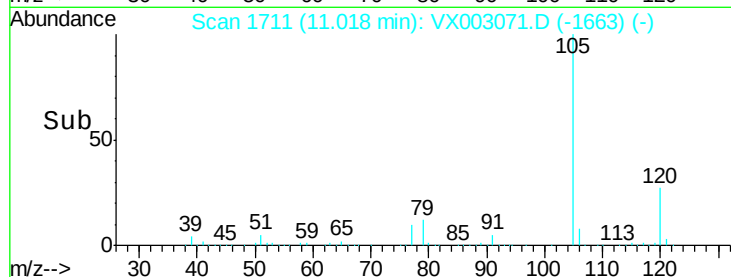
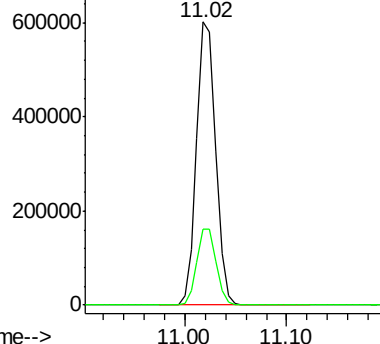
105 100

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: 46.71 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Tgt Ion: 43 Resp: 354292

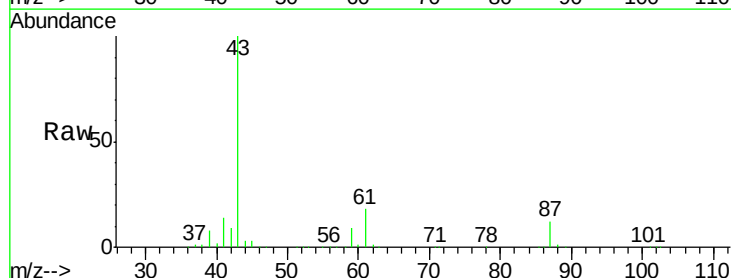
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.6 14.4 21.6

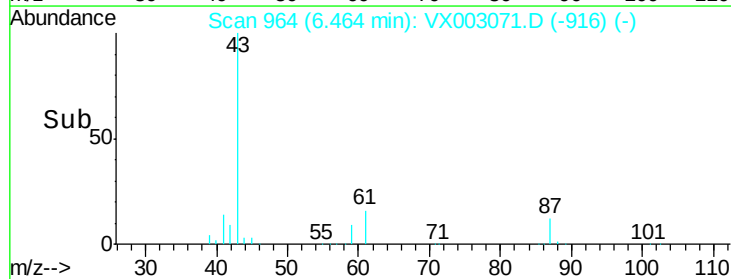
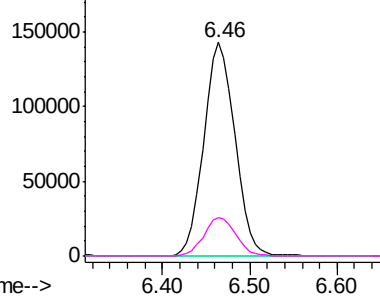


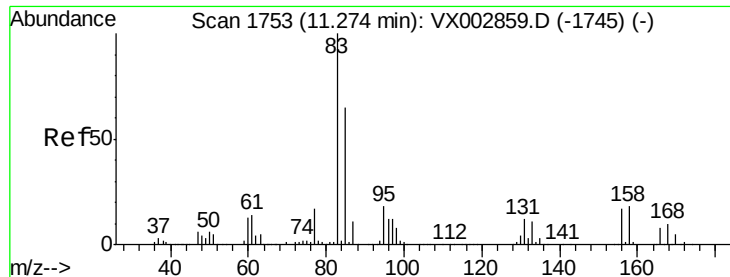
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.15 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

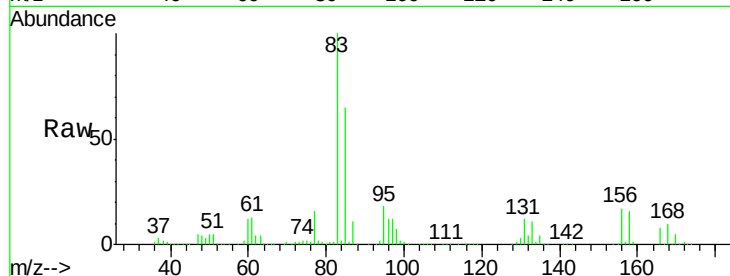
Tot Ion: 83 Resp: 225168

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

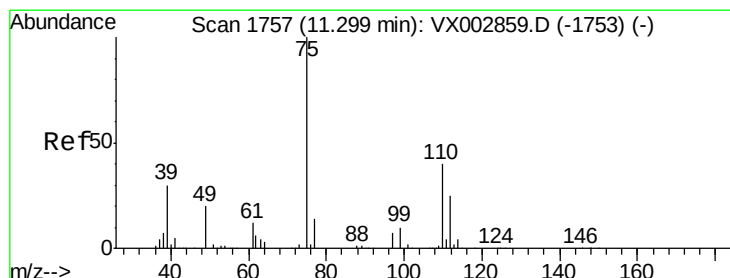
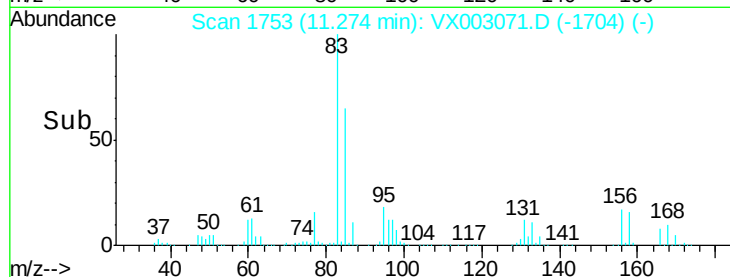
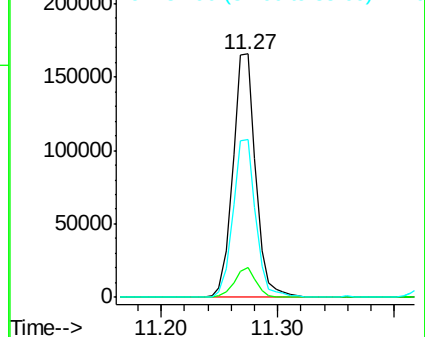
85 64.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.13 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003071.D

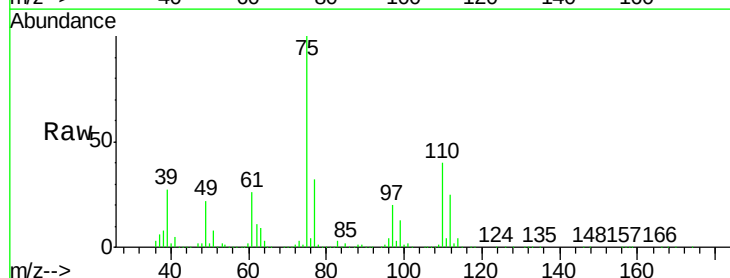
Acq: 30 Jun 2018 10:57

Tgt Ion: 75 Resp: 259330

Ion Ratio Lower Upper

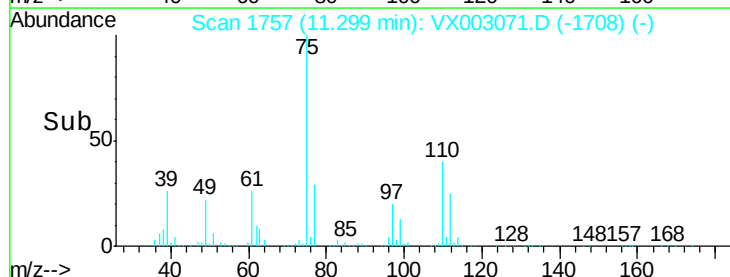
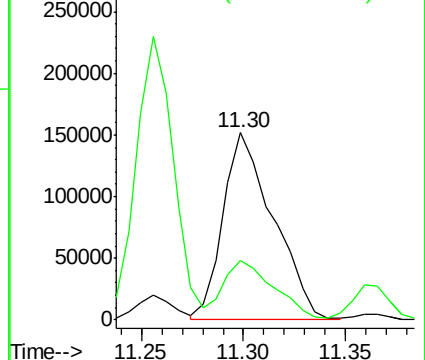
75 100

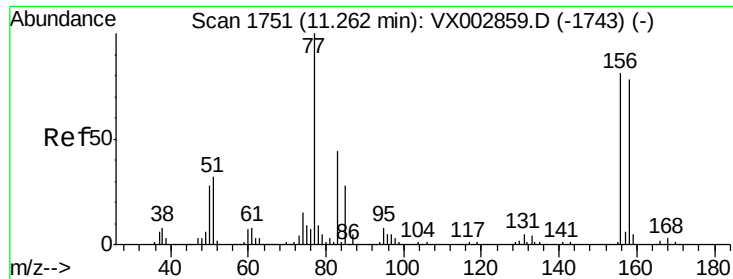
77 32.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.57 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

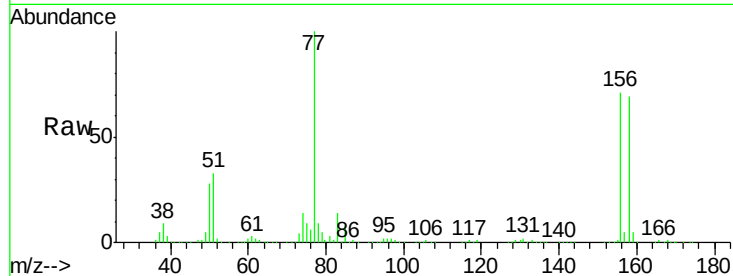
Tot Ion:156 Resp: 214413

Ion Ratio Lower Upper

156 100

77 136.8 71.4 214.2

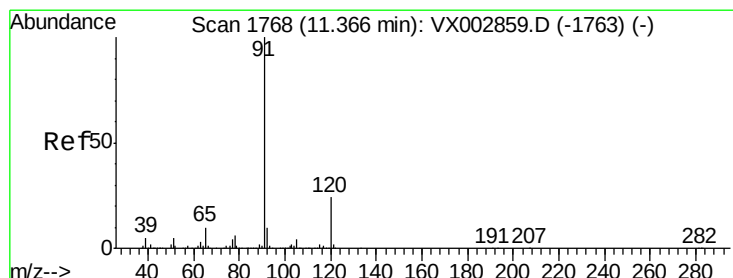
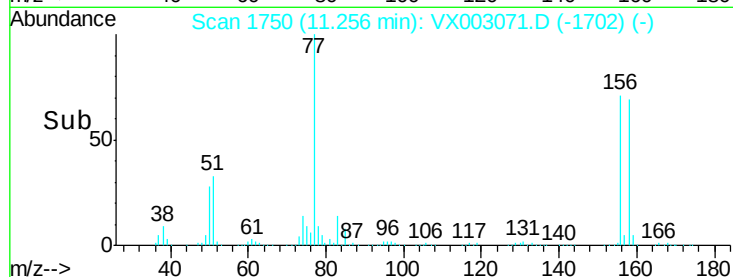
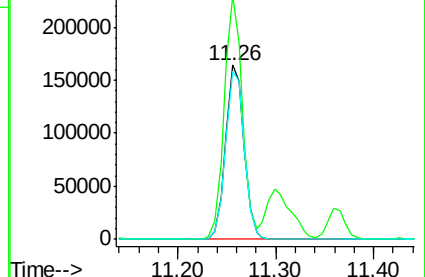
158 98.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.32 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003071.D

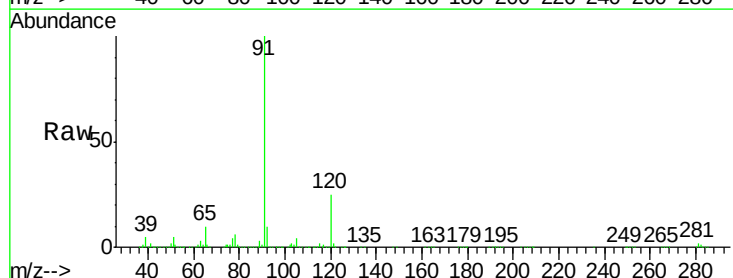
Acq: 30 Jun 2018 10:57

Tgt Ion: 91 Resp: 887950

Ion Ratio Lower Upper

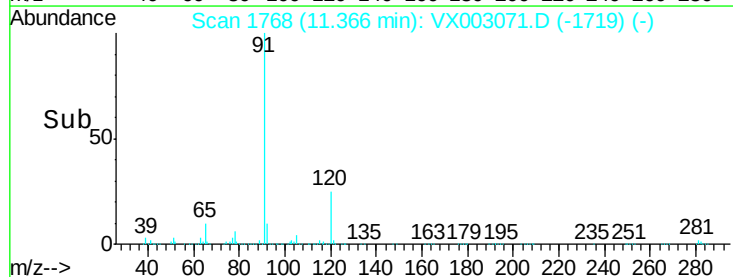
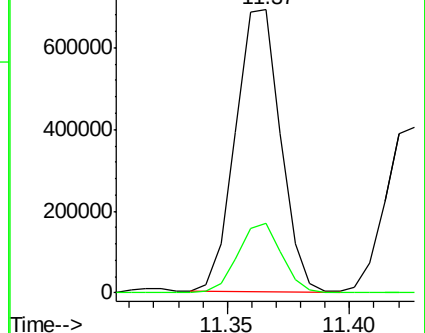
91 100

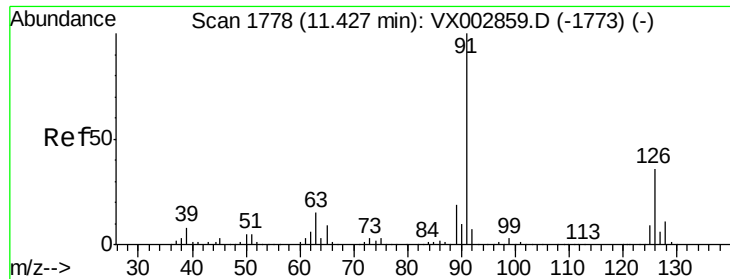
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.10 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

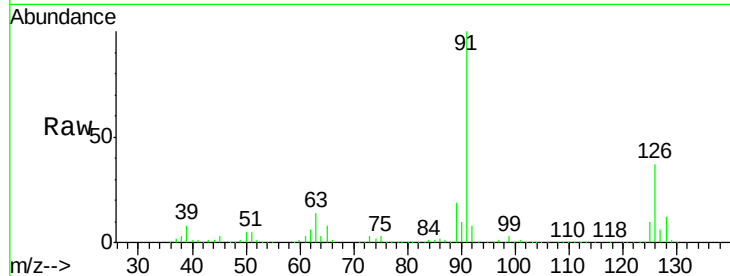
VSTDCCC050

Tot Ion: 91 Resp: 524529

Ion Ratio Lower Upper

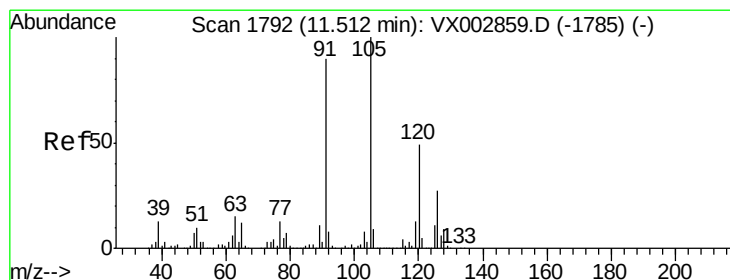
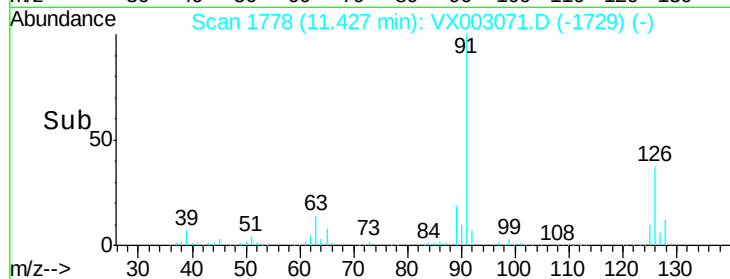
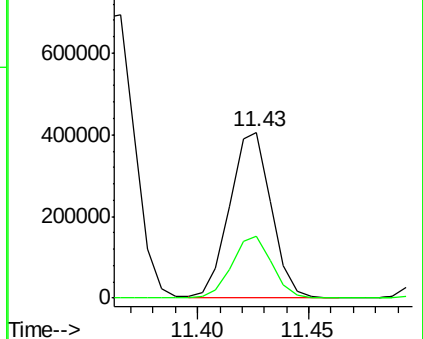
91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003071.D

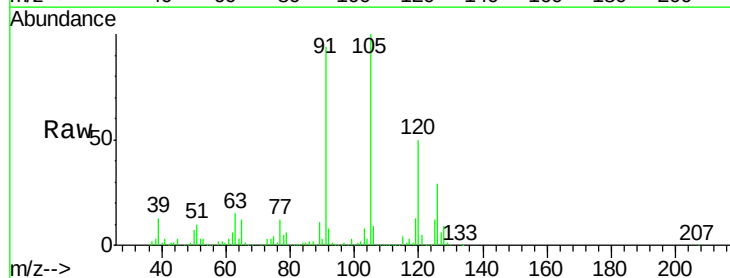
Acq: 30 Jun 2018 10:57

Tgt Ion:105 Resp: 657510

Ion Ratio Lower Upper

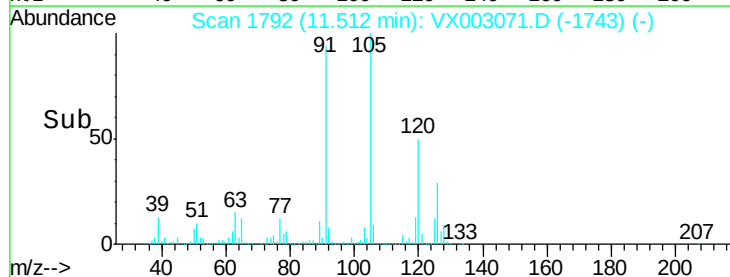
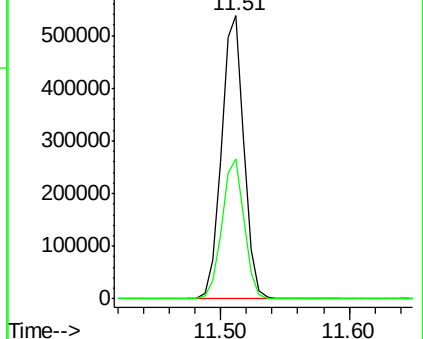
105 100

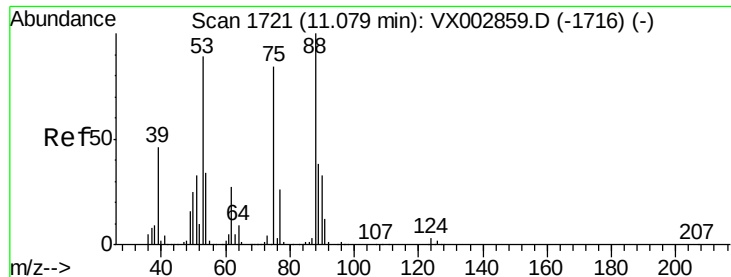
120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.33 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

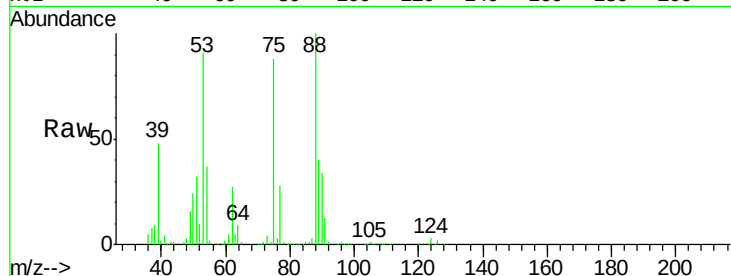
Tot Ion: 75 Resp: 63191

Ion Ratio Lower Upper

75 100

53 106.0 86.8 130.2

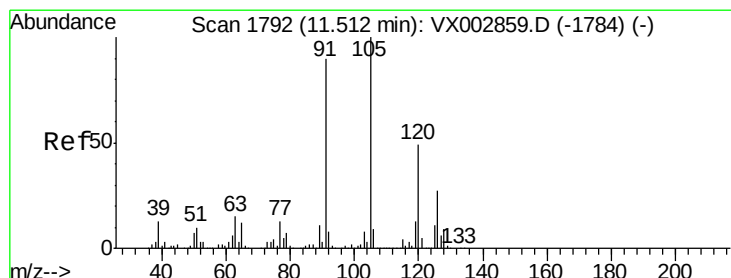
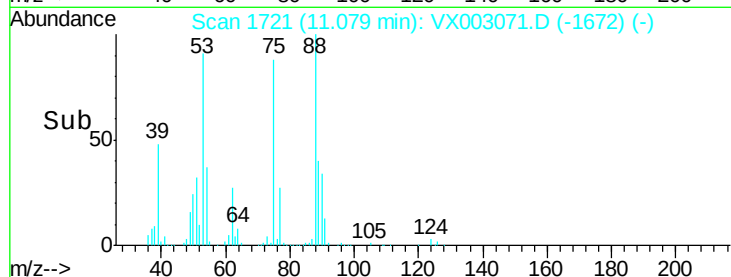
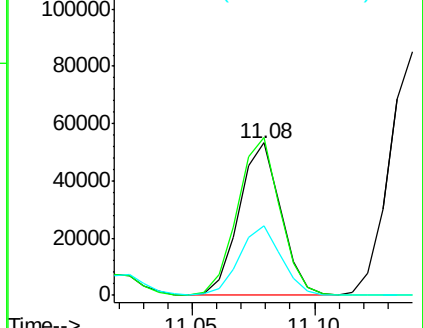
89 46.1 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003071.D

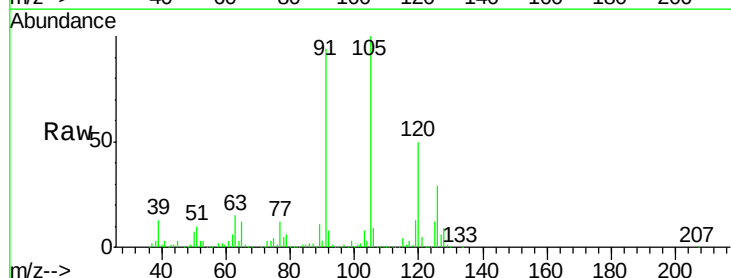
Acq: 30 Jun 2018 10:57

Tgt Ion: 91 Resp: 624895

Ion Ratio Lower Upper

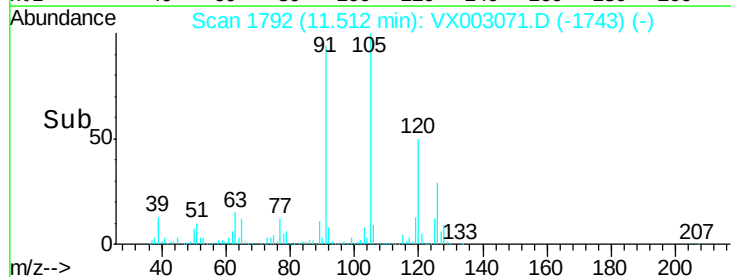
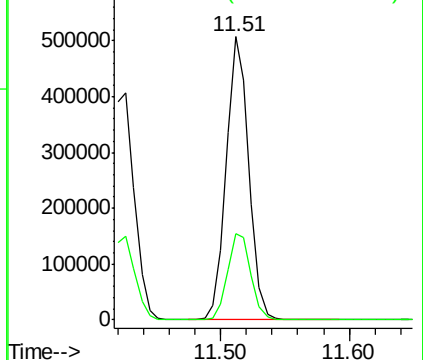
91 100

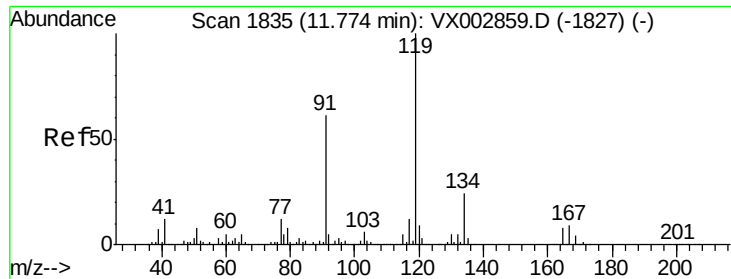
126 31.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

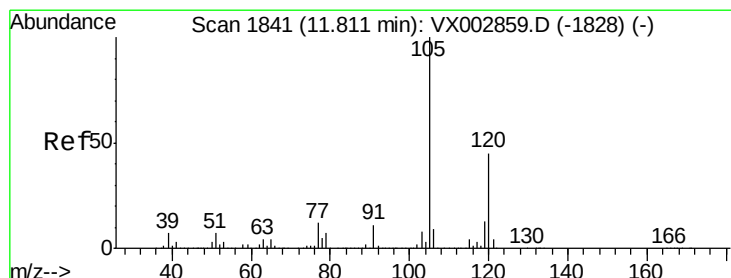
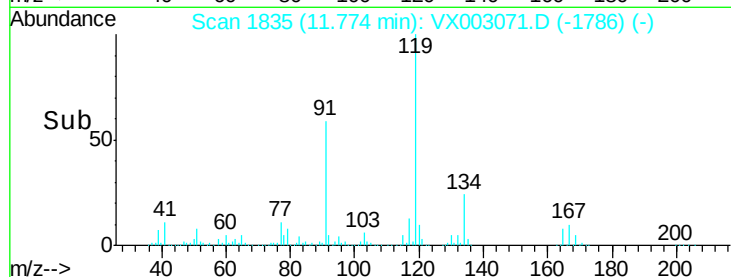
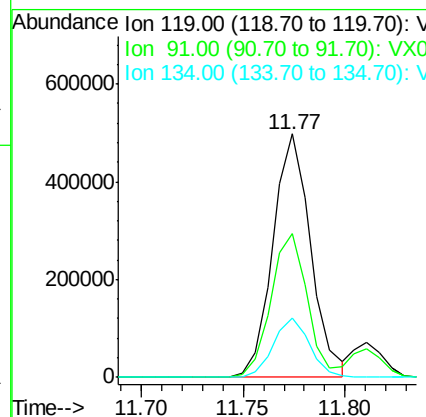
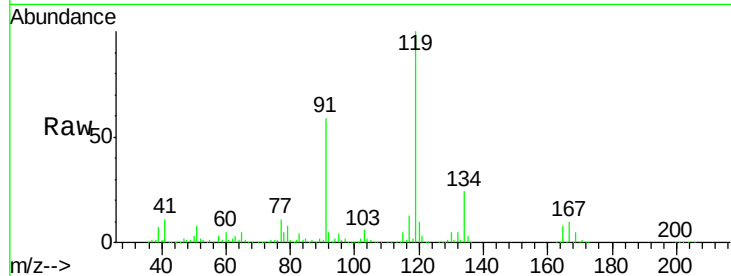




#83
 tert-Butylbenzene
 Concen: 49.88 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

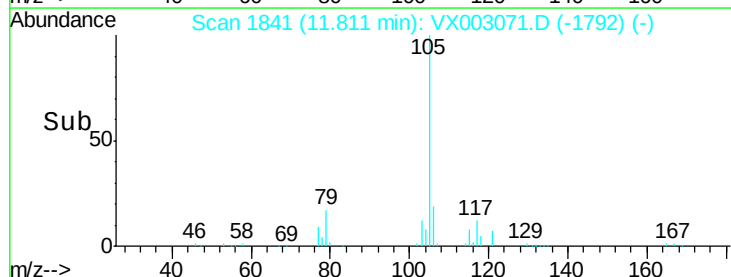
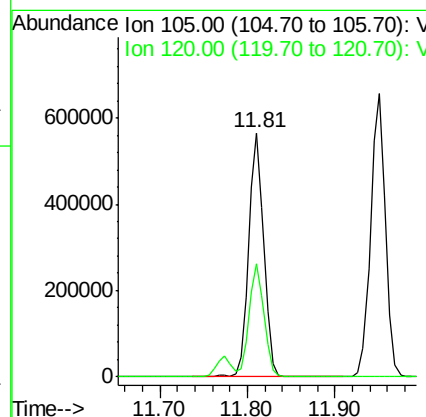
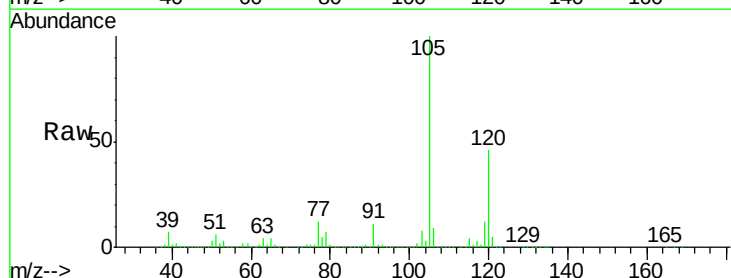
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

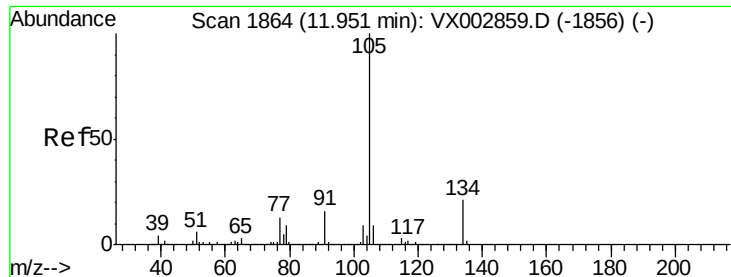
Tot Ion:119 Resp: 641820
 Ion Ratio Lower Upper
 119 100
 91 56.5 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.75 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion:105 Resp: 673005
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.86 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

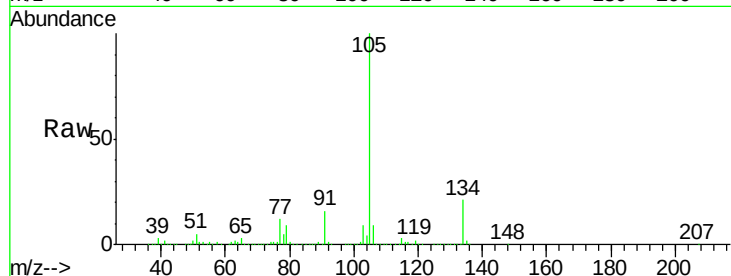
VSTDCCC050

Tot Ion:105 Resp: 778398

Ion Ratio Lower Upper

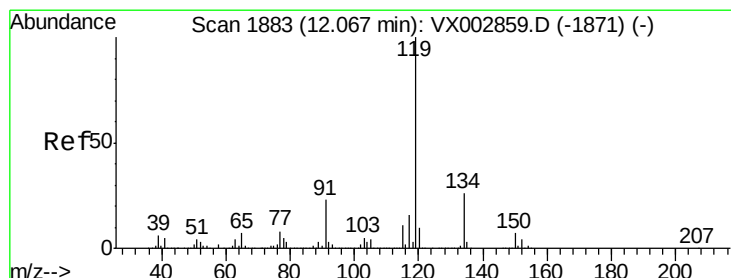
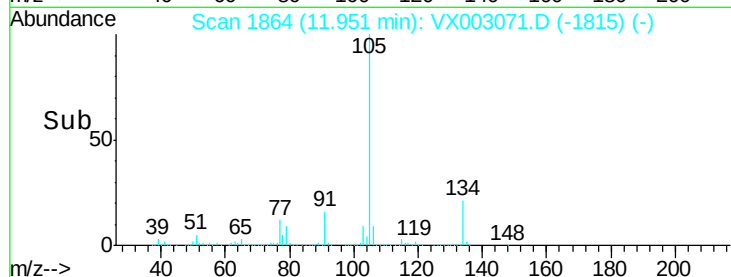
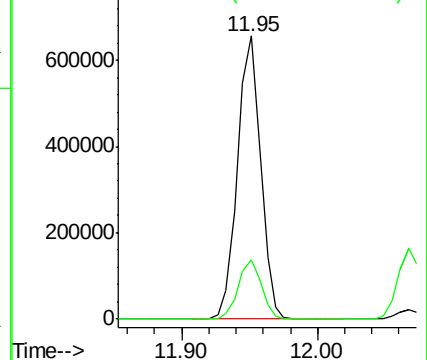
105 100

134 21.0 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: 50.98 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

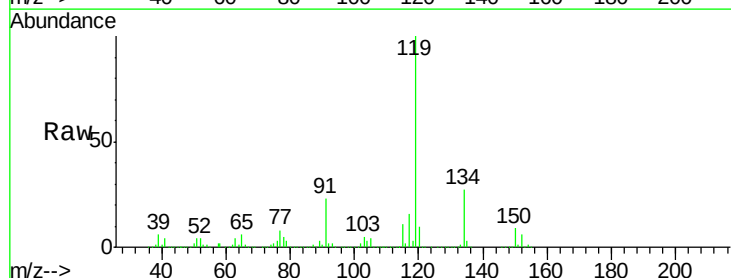
Tgt Ion:119 Resp: 715455

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

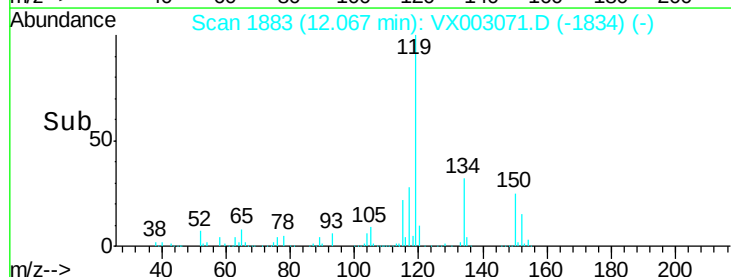
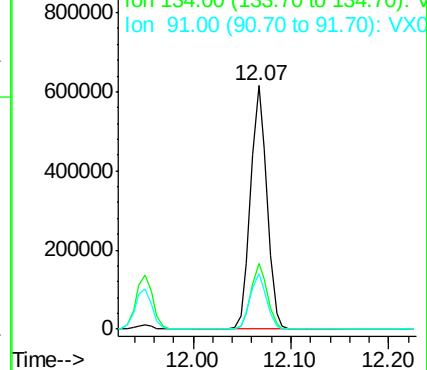
91 22.8 11.9 35.7

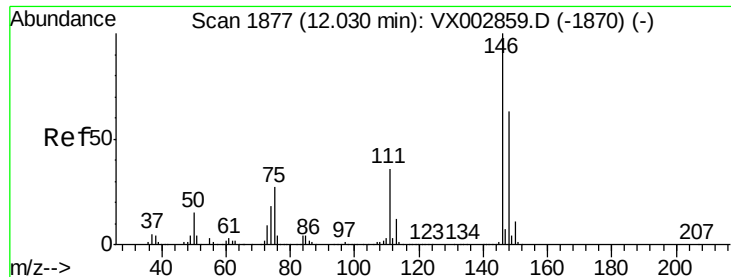


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

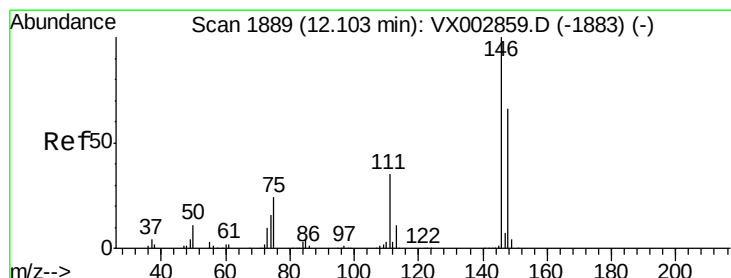
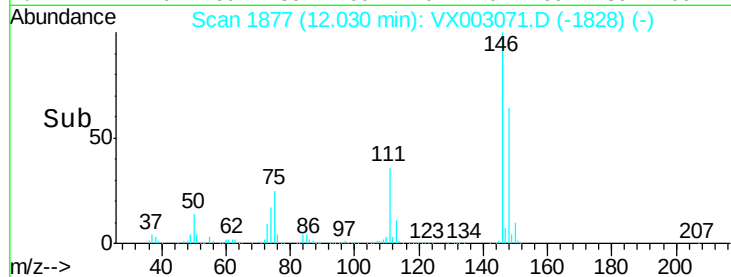
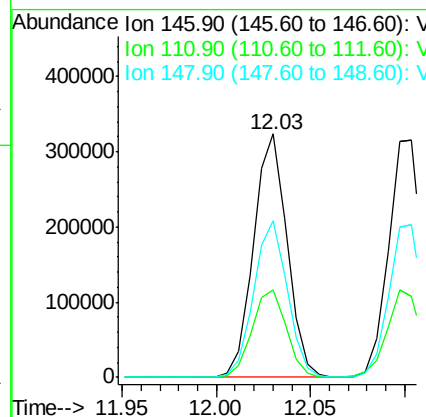
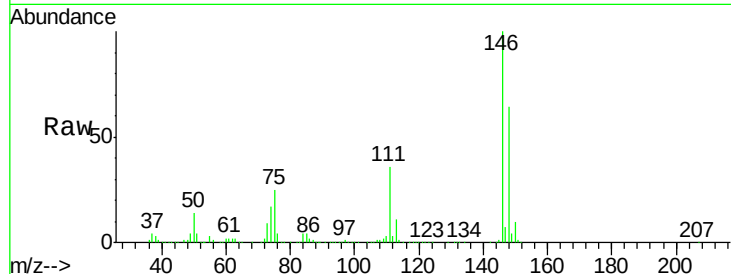




#87
 1,3-Dichlorobenzene
 Concen: 49.52 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

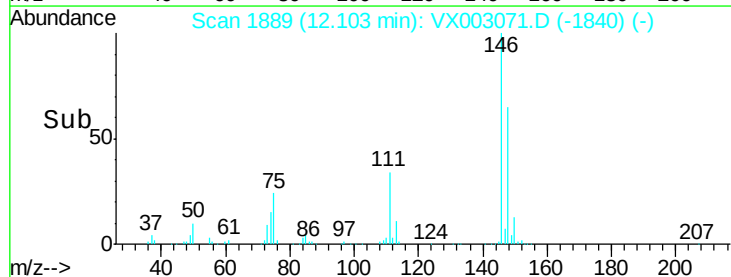
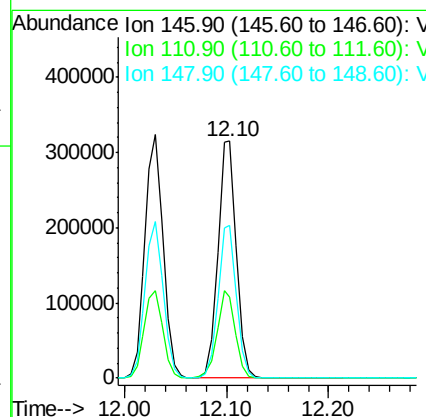
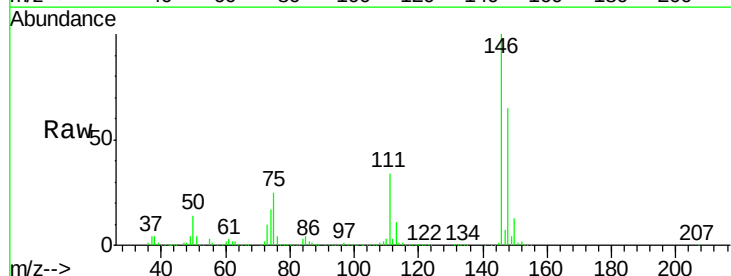
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

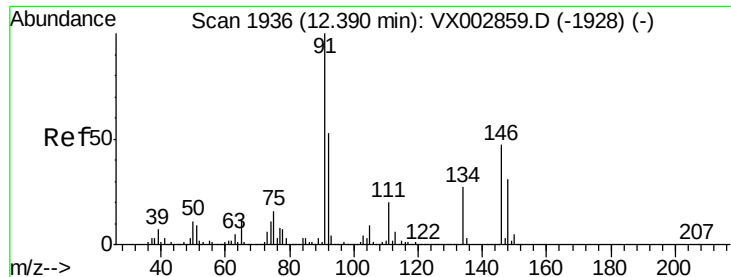
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.70 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	64.2	32.4	97.0





#89

n-Butylbenzene

Concen: 50.74 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

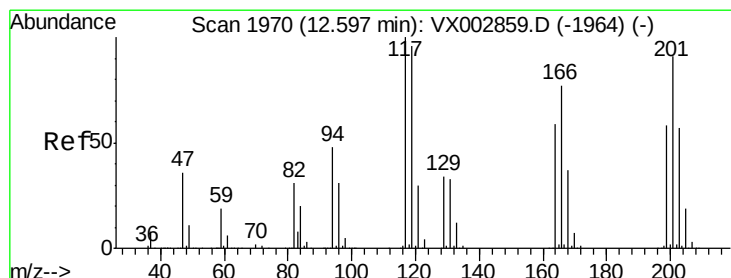
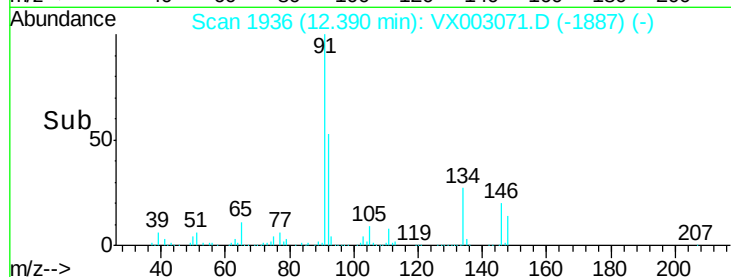
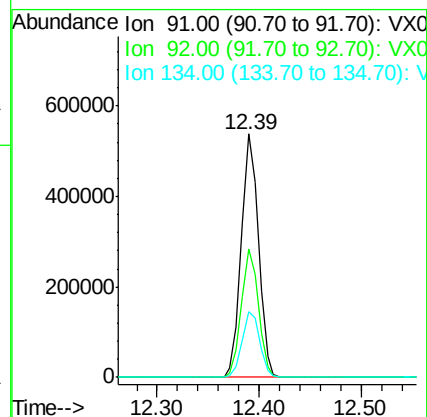
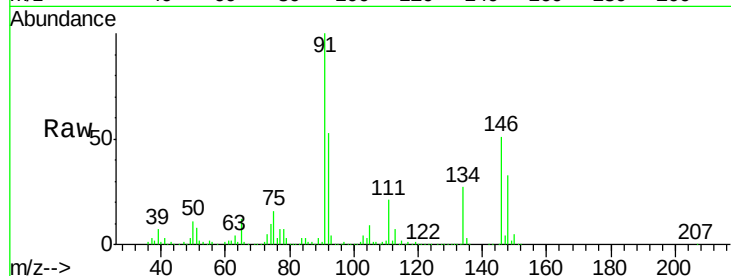
Tot Ion: 91 Resp: 619801

Ion Ratio Lower Upper

91 100

92 52.4 26.0 78.0

134 27.7 13.5 40.5



#90

Hexachloroethane

Concen: 47.57 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003071.D

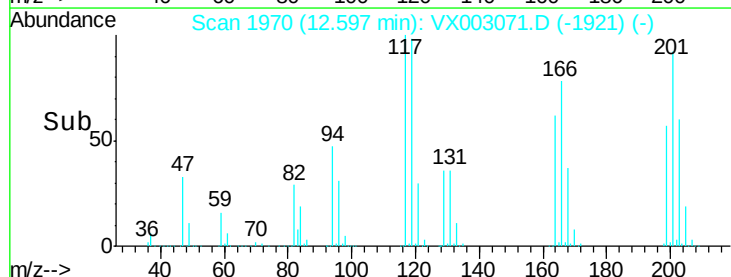
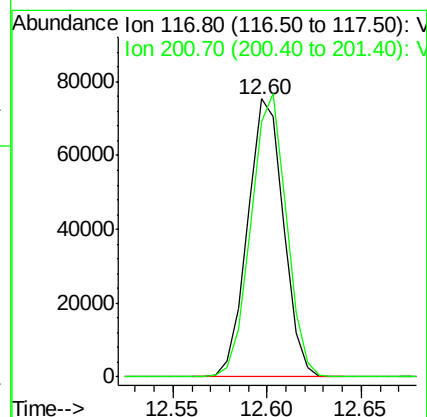
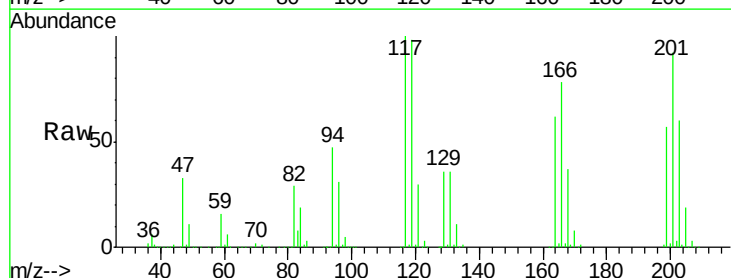
Acq: 30 Jun 2018 10:57

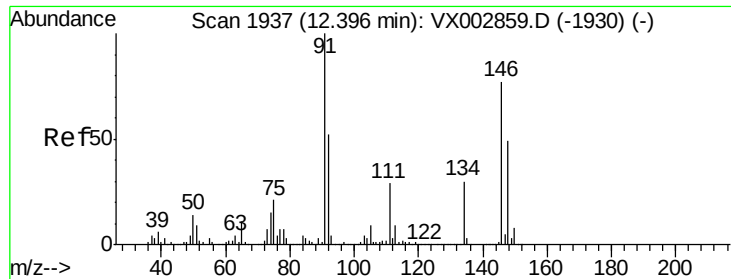
Tgt Ion: 117 Resp: 99298

Ion Ratio Lower Upper

117 100

201 100.2 49.0 147.0

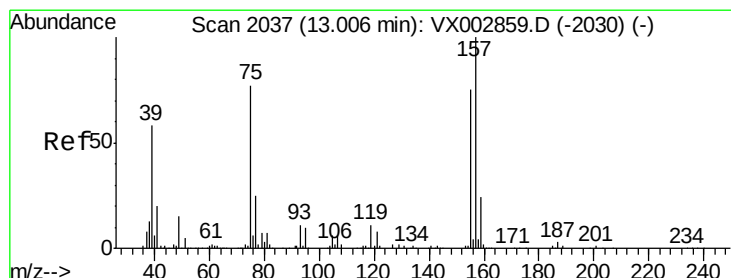
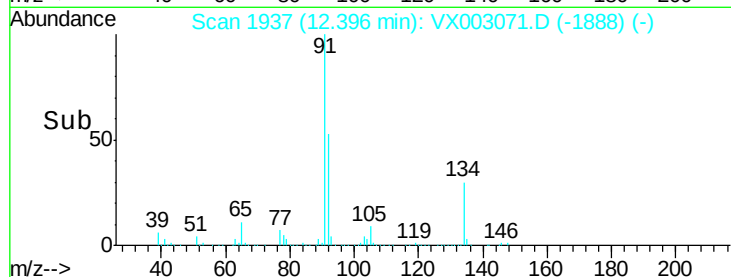
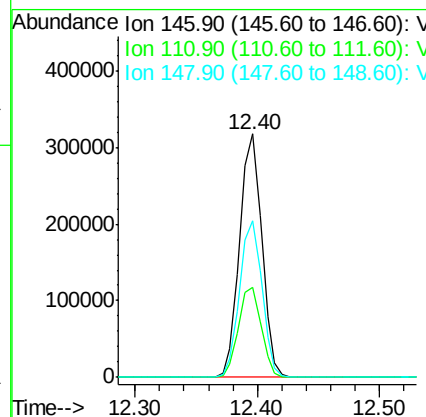
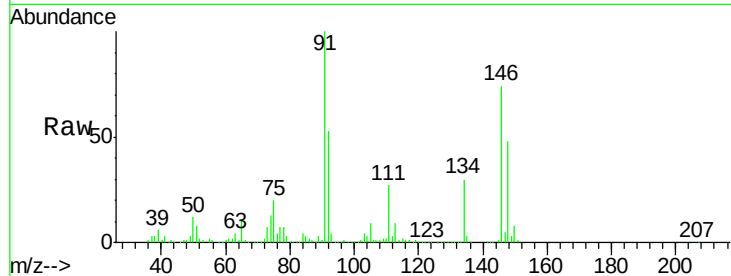




#91
 1,2-Dichlorobenzene
 Concen: 48.78 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

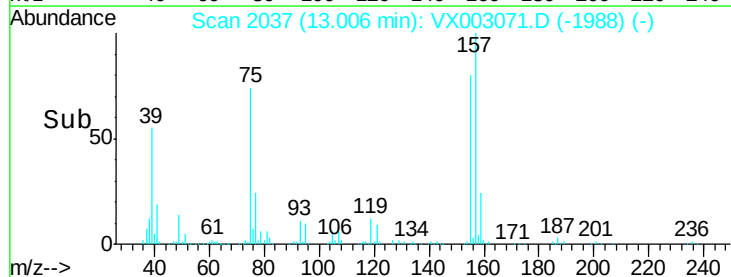
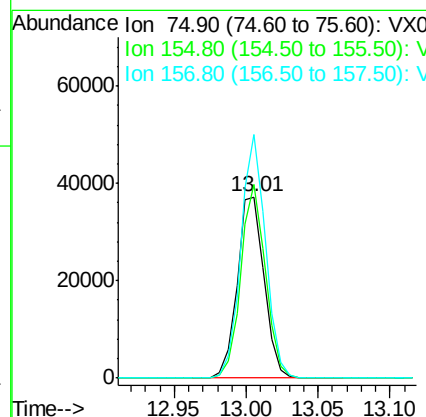
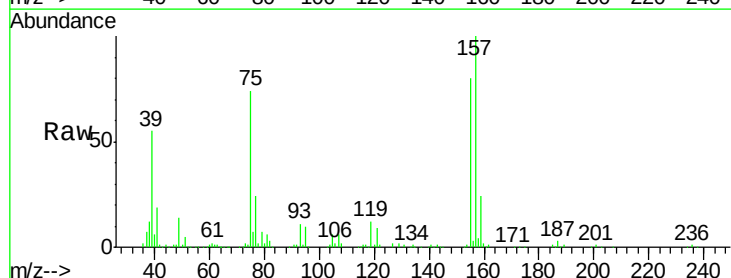
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

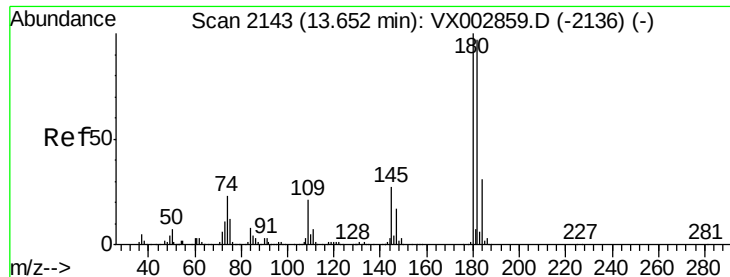
Tot Ion:146 Resp: 397017
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.1
 148 64.8 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.28 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003071.D
 Acq: 30 Jun 2018 10:57

Tgt Ion: 75 Resp: 48606
 Ion Ratio Lower Upper
 75 100
 155 97.5 45.8 137.4
 157 122.3 60.1 180.3





#93

1,2,4-Trichlorobenzene

Concen: 50.73 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

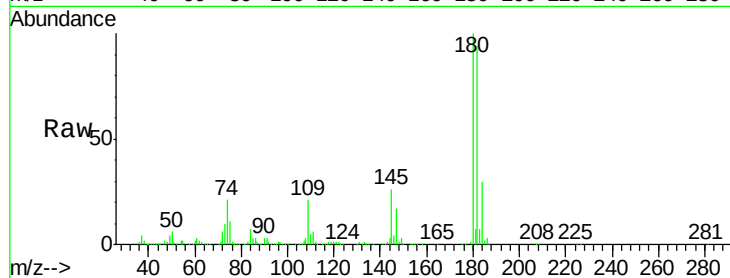
Tot Ion:180 Resp: 300485

Ion Ratio Lower Upper

180 100

182 95.3 47.7 143.1

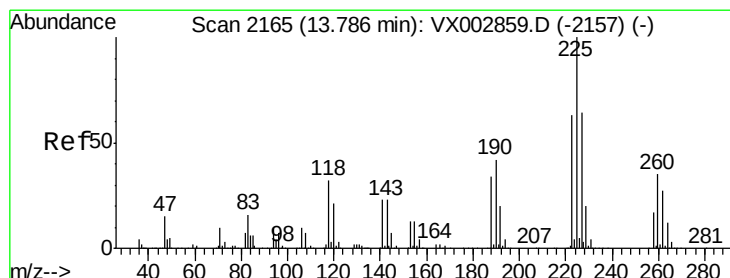
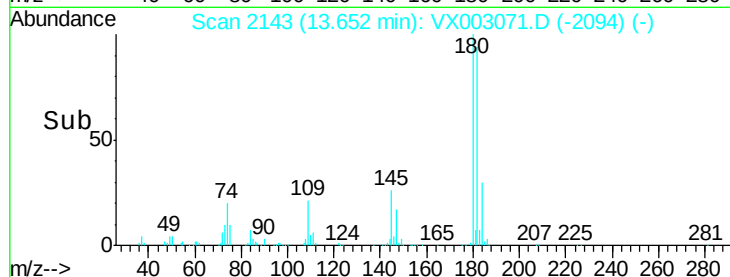
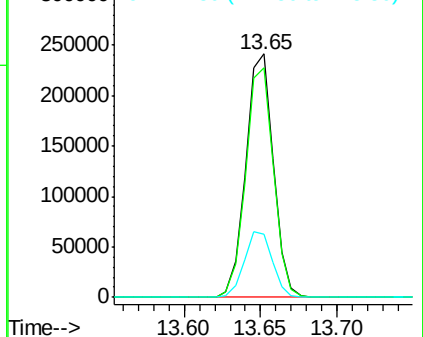
145 27.6 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.96 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

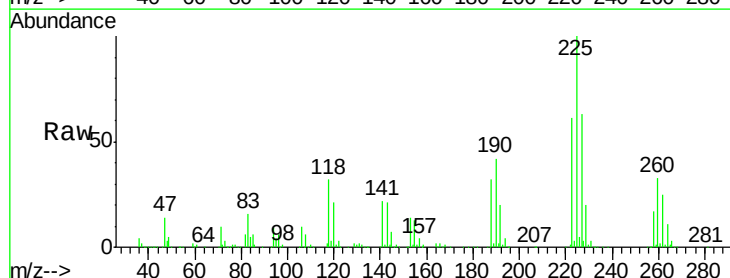
Tgt Ion:225 Resp: 153499

Ion Ratio Lower Upper

225 100

223 62.5 31.6 95.0

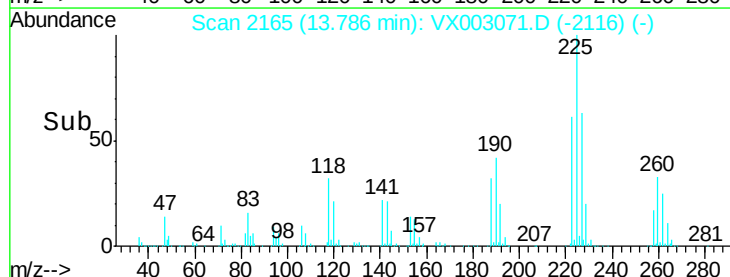
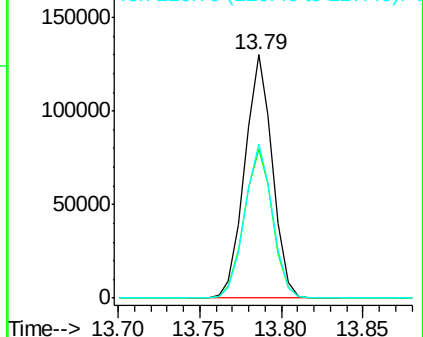
227 63.5 32.4 97.2

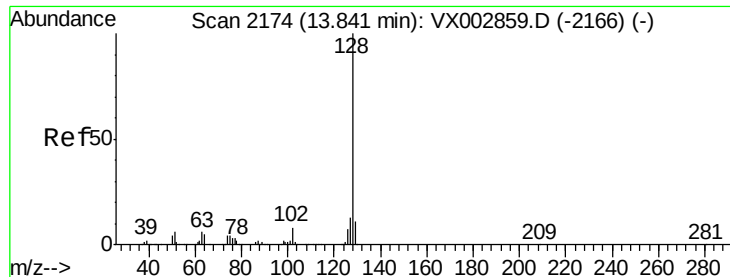


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.56 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

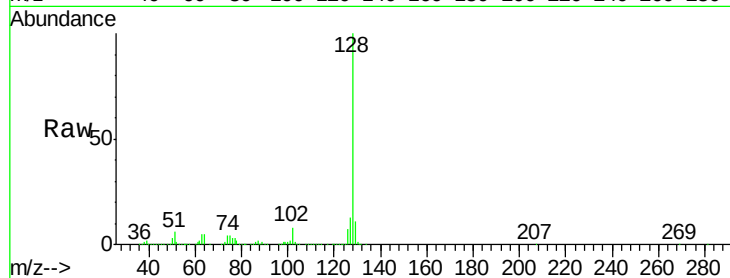
Tot Ion:128 Resp: 797576

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

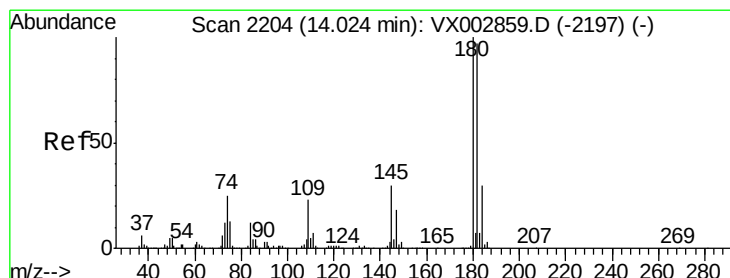
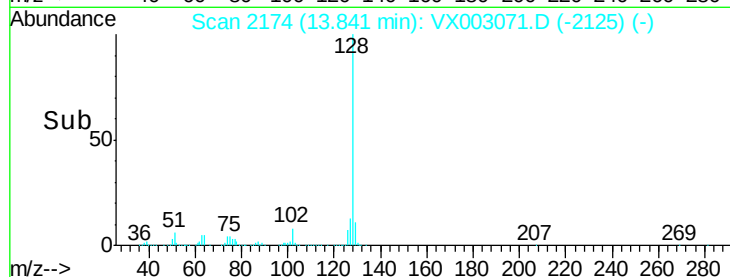
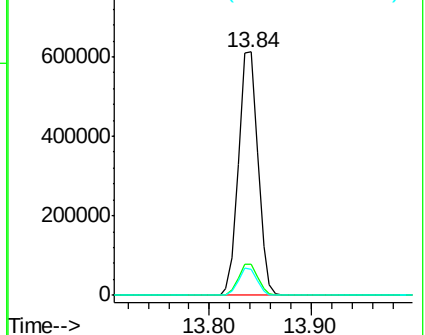
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.98 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003071.D

Acq: 30 Jun 2018 10:57

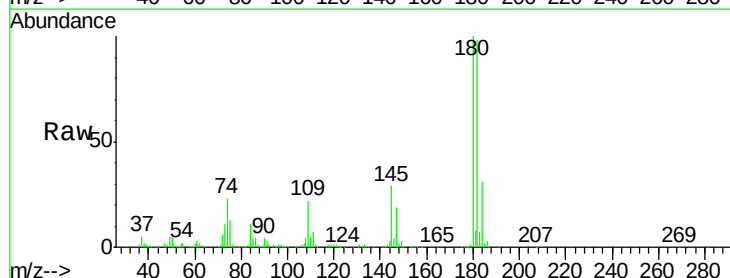
Tgt Ion:180 Resp: 295696

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.0

145 29.5 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

