

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002889.D
 Acq On : 26 Jun 2018 04:45
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 27 05:31:19 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	263580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185889	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	5.51	113	149034	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.72	98	539432	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	207518	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	114188	48.51	ug/l	100
3) Chloromethane	1.32	50	123849	50.70	ug/l	99
4) Vinyl Chloride	1.41	62	136014	45.63	ug/l	# 87
5) Bromomethane	1.64	94	40551	27.94	ug/l	100
6) Chloroethane	1.72	64	116928	67.61	ug/l	98
7) Trichlorofluoromethane	1.93	101	242354	48.20	ug/l	98
8) Diethyl Ether	2.19	74	88654	48.50	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134820	46.27	ug/l	99
10) Methyl Iodide	2.51	142	81372	30.34	ug/l	99
11) Tert butyl alcohol	3.08	59	181148	249.60	ug/l	99
12) 1,1-Dichloroethene	2.37	96	123002	47.32	ug/l	96
13) Acrolein	2.29	56	82812	206.57	ug/l	99
14) Allyl chloride	2.73	41	242628	47.35	ug/l	98
15) Acrylonitrile	3.15	53	384758	248.20	ug/l	99
16) Acetone	2.45	43	360318	238.82	ug/l	99
17) Carbon Disulfide	2.57	76	345785	49.93	ug/l	99
18) Methyl Acetate	2.78	43	225681	53.50	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	460403	49.27	ug/l	99
20) Methylene Chloride	2.86	84	138747	47.26	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	131867	46.57	ug/l	97
22) Diisopropyl ether	3.88	45	489887	50.01	ug/l	98
23) Vinyl Acetate	3.83	43	2037676	245.68	ug/l	98
24) 1,1-Dichloroethane	3.70	63	260148	48.87	ug/l	99
25) 2-Butanone	4.71	43	559966	250.08	ug/l	98
26) 2,2-Dichloropropane	4.59	77	152044	35.12	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	152312	47.98	ug/l	94
28) Bromochloromethane	5.03	49	132094	51.84	ug/l	95
29) Tetrahydrofuran	5.17	42	358314	249.54	ug/l	97
30) Chloroform	5.22	83	273793	50.11	ug/l	97
31) Cyclohexane	5.58	56	219599	48.06	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	243204	50.59	ug/l	100
36) 1,1-Dichloropropene	5.80	75	192444	47.17	ug/l	99
37) Ethyl Acetate	4.87	43	218984	49.85	ug/l	100
38) Carbon Tetrachloride	5.79	117	218002	48.69	ug/l	98

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 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)
39) Methylcyclohexane	7.46	83	221879	46.69	ug/l	97
40) Benzene	6.15	78	568766	47.98	ug/l	99
41) Methacrylonitrile	5.07	41	124307	49.14	ug/l	98
42) 1,2-Dichloroethane	6.20	62	227437	47.50	ug/l	100
43) Isopropyl Acetate	6.47	43	360503	48.93	ug/l	99
44) Trichloroethene	7.21	130	168020	47.54	ug/l	99
45) 1,2-Dichloropropane	7.52	63	153526	48.82	ug/l	99
46) Dibromomethane	7.67	93	105801	48.48	ug/l	98
47) Bromodichloromethane	7.90	83	208164	51.60	ug/l	97
48) Methyl methacrylate	7.78	41	191026	50.32	ug/l	98
49) 1,4-Dioxane	7.76	88	70196	950.45	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1180366	256.08	ug/l	99
52) Toluene	8.79	92	371433	48.91	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	224686	49.18	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	208265	47.37	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	154674	49.57	ug/l	98
56) Ethyl methacrylate	9.18	69	232389	50.95	ug/l	97
57) 1,3-Dichloropropane	9.38	76	252358	49.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	552221	250.98	ug/l	99
59) 2-Hexanone	9.50	43	905195	258.39	ug/l	98
60) Dibromochloromethane	9.59	129	173290	52.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	163949	50.09	ug/l	100
64) Tetrachloroethene	9.34	164	177353	44.23	ug/l	97
65) Chlorobenzene	10.14	112	429733	46.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	163644	49.19	ug/l	99
67) Ethyl Benzene	10.26	91	740120	48.92	ug/l	99
68) m/p-Xylenes	10.36	106	574567	98.54	ug/l	100
69) o-Xylene	10.70	106	280106	49.34	ug/l	99
70) Styrene	10.71	104	459325	49.79	ug/l	99
71) Bromoform	10.86	173	138562	46.40	ug/l	100
73) Isopropylbenzene	11.02	105	765764	49.20	ug/l	100
74) N-amyl acetate	6.47	43	360503	47.34	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	242625	50.60	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	254669	60.77	ug/l	80
77) Bromobenzene	11.26	156	211531	47.72	ug/l	98
78) n-propylbenzene	11.37	91	875434	49.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	520902	48.56	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	651329	49.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	51202	36.43	ug/l	97
82) 4-Chlorotoluene	11.51	91	614394	48.38	ug/l	99
83) tert-Butylbenzene	11.77	119	653087	50.55	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	668074	49.18	ug/l	99
85) sec-Butylbenzene	11.95	105	768116	49.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	697601	49.51	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	385656	47.64	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	394047	47.30	ug/l	99
89) n-Butylbenzene	12.39	91	592557	48.31	ug/l	100
90) Hexachloroethane	12.60	117	97753	46.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	389091	47.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54213	50.30	ug/l	97

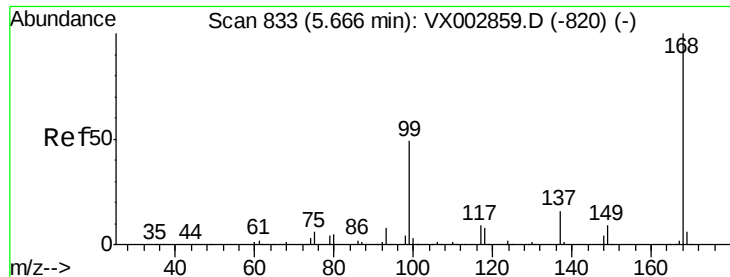
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	286405	48.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	138433	46.67	ug/l	100
95) Naphthalene	13.83	128	813447	51.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	292684	49.28	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

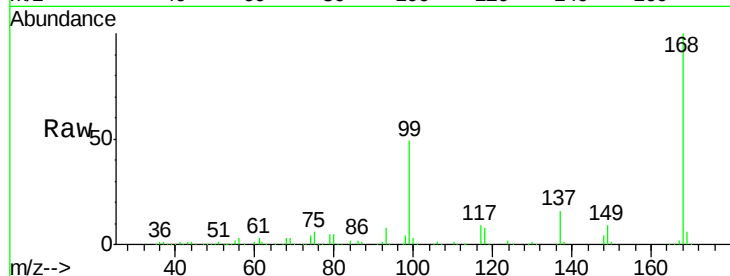
VSTDCCC050EC

Tot Ion:168 Resp: 263580

Ion Ratio Lower Upper

168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

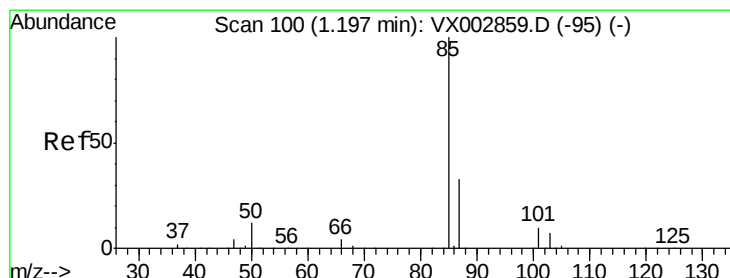
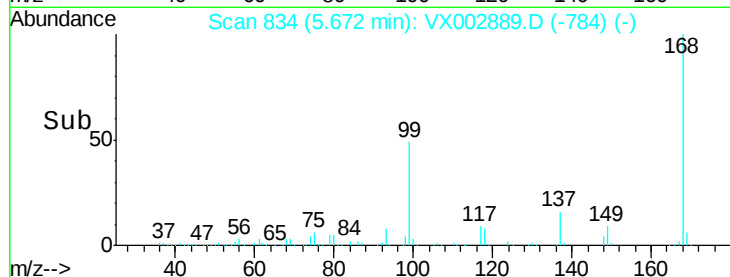
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002889.D

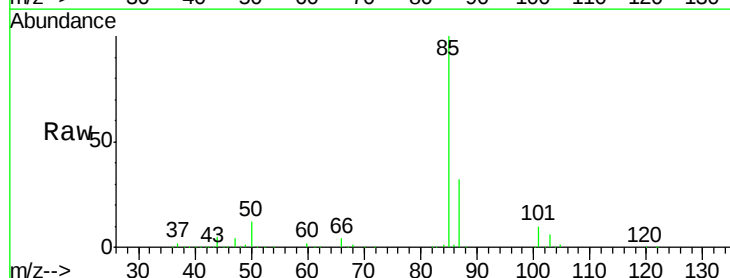
Acq: 26 Jun 2018 04:45

Tgt Ion: 85 Resp: 114188

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

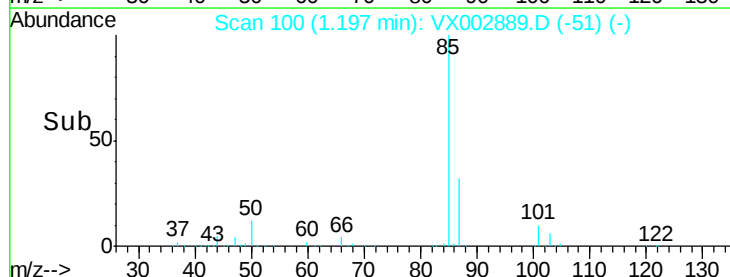
1.20

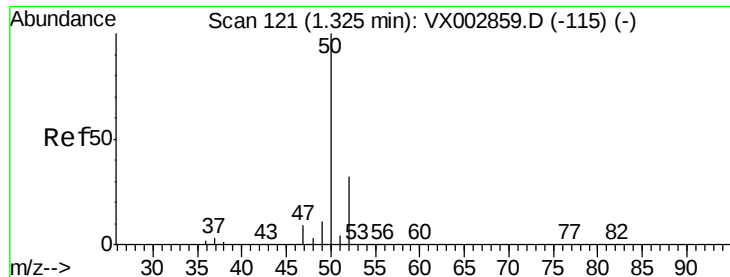
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 50.70 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

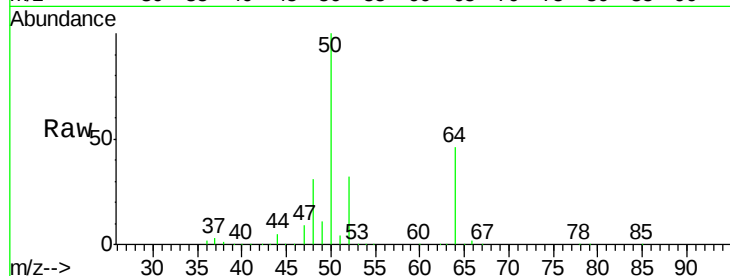
VSTDCCC050EC

Tot Ion: 50 Resp: 123849

Ion Ratio Lower Upper

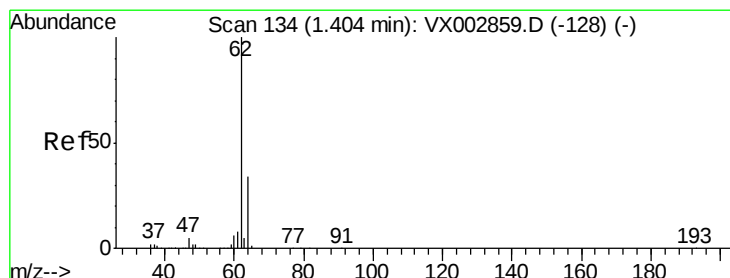
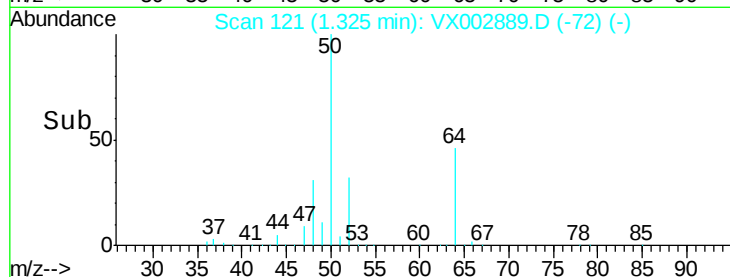
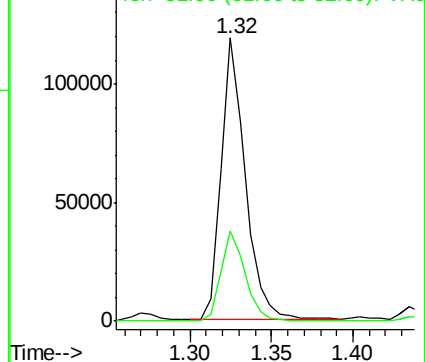
50 100

52 31.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.63 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002889.D

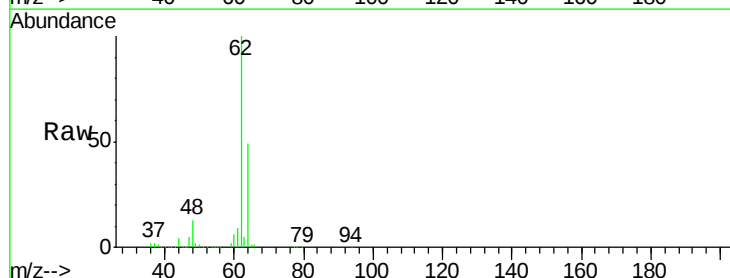
Acq: 26 Jun 2018 04:45

Tgt Ion: 62 Resp: 136014

Ion Ratio Lower Upper

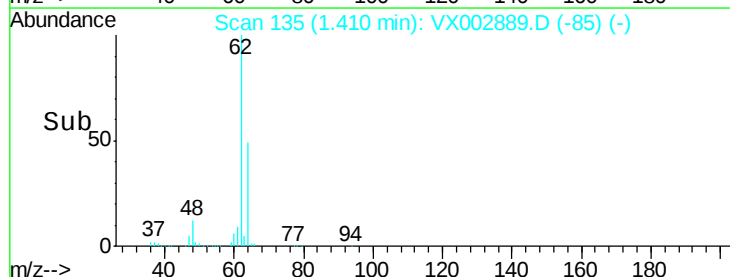
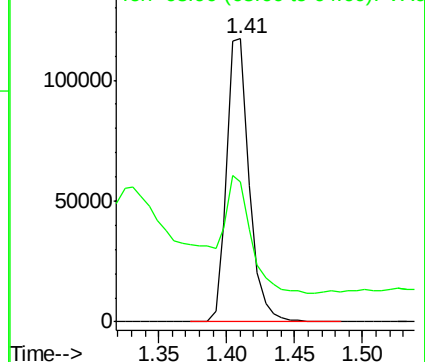
62 100

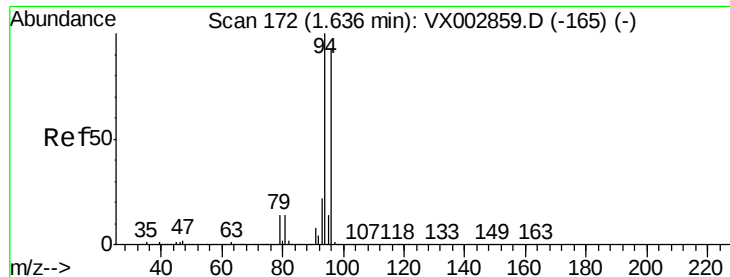
64 38.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 27.94 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

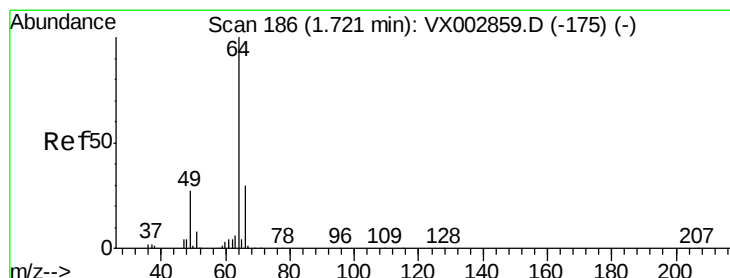
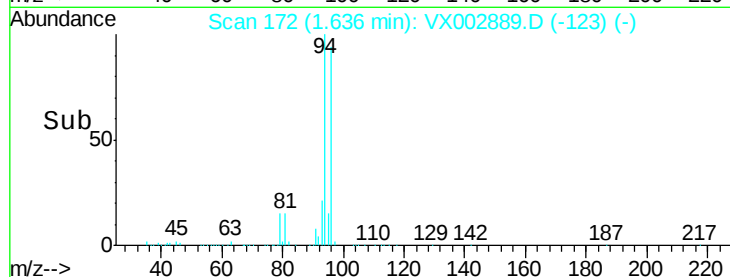
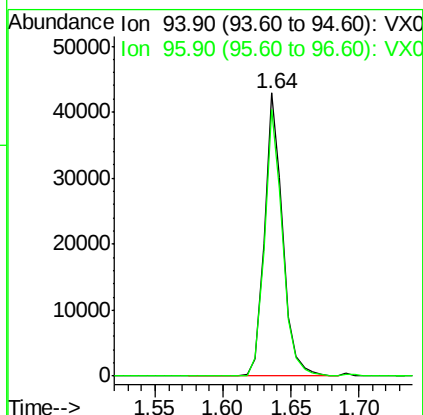
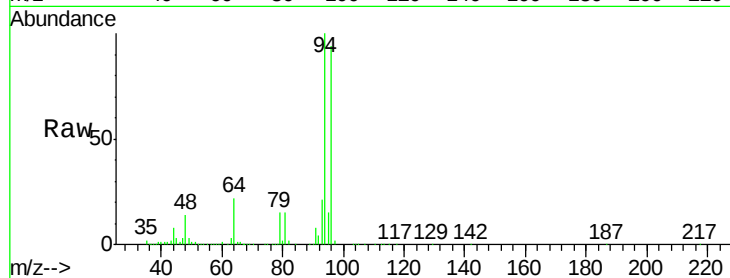
VSTDCCC050EC

Tot Ion: 94 Resp: 40551

Ion Ratio Lower Upper

94 100

96 94.1 74.9 112.3



#6

Chloroethane

Concen: 67.61 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002889.D

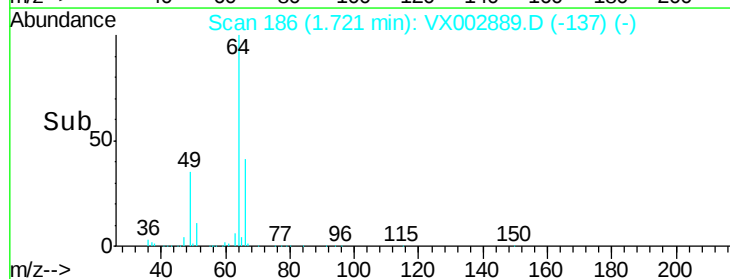
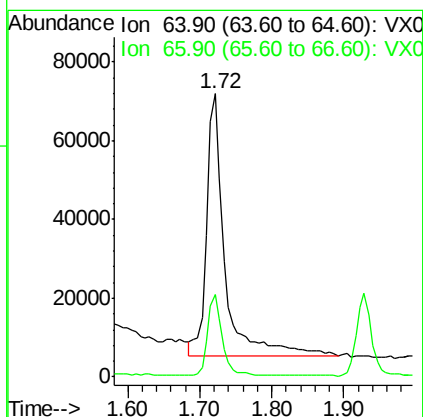
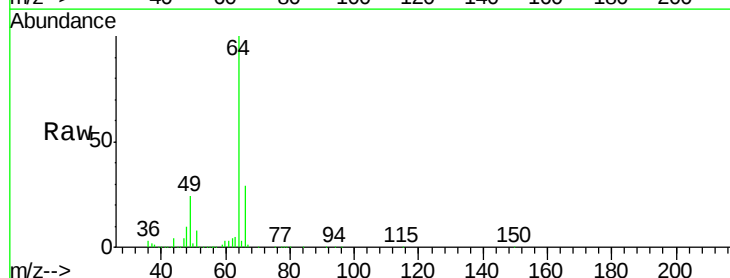
Acq: 26 Jun 2018 04:45

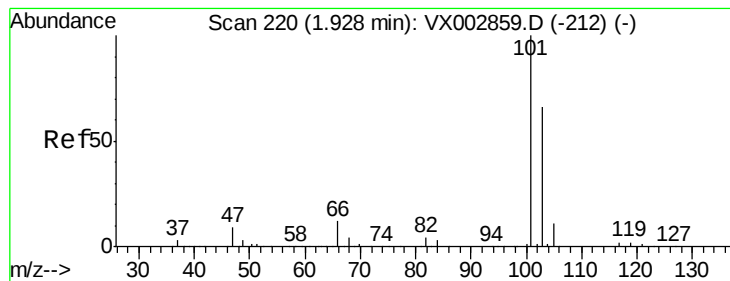
Tgt Ion: 64 Resp: 116928

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



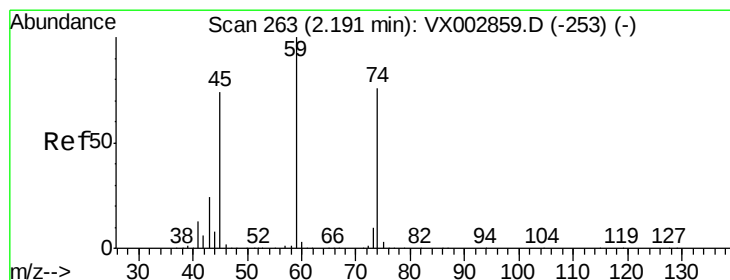
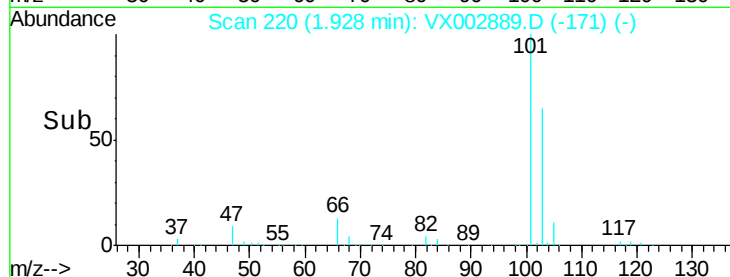
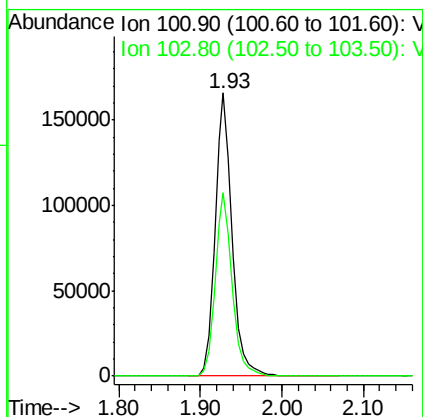
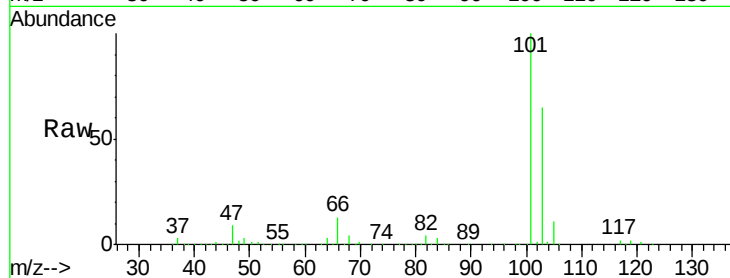


#7

Trichlorofluoromethane
 Concen: 48.20 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

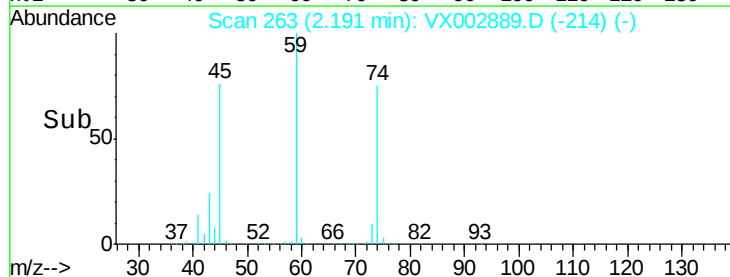
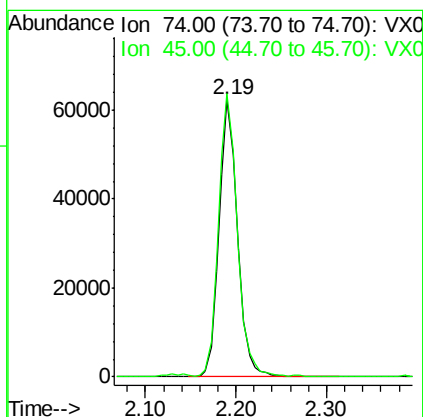
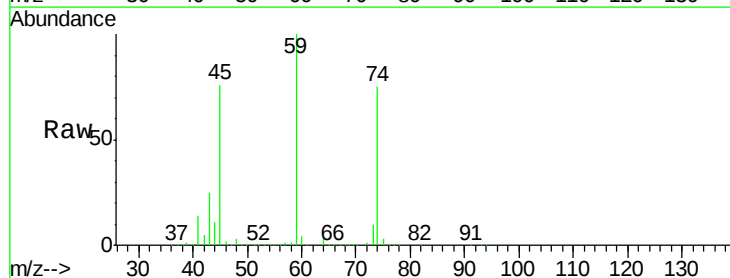
Tot Ion:101 Resp: 242354
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2



#8

Diethyl Ether
 Concen: 48.50 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 74 Resp: 88654
 Ion Ratio Lower Upper
 74 100
 45 103.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.27 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

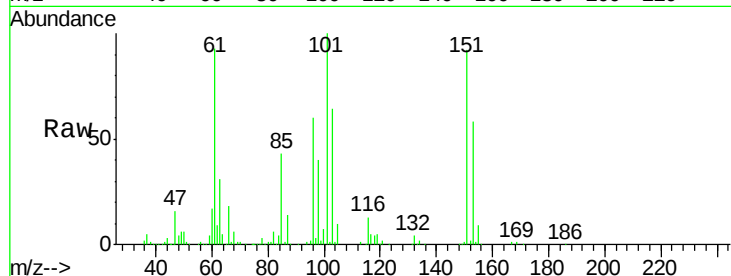
Tot Ion:101 Resp: 134820

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

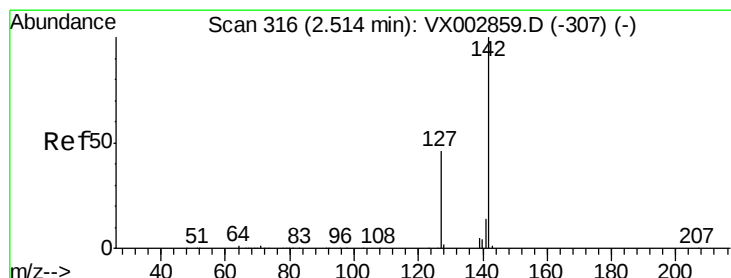
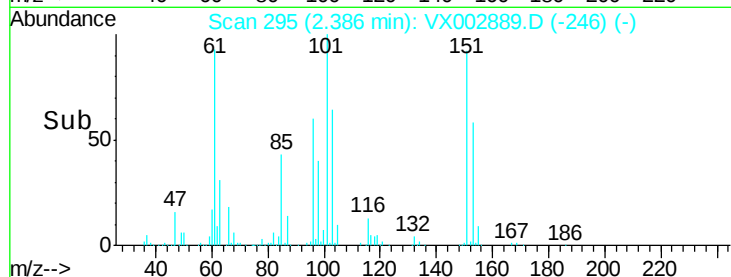
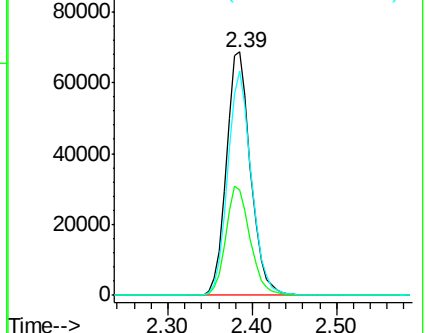
151 90.0 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 30.34 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

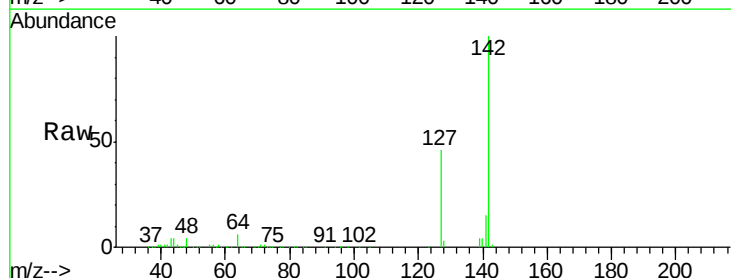
Tgt Ion:142 Resp: 81372

Ion Ratio Lower Upper

142 100

127 45.5 36.6 55.0

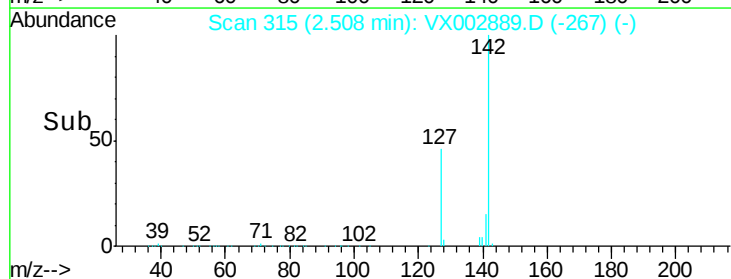
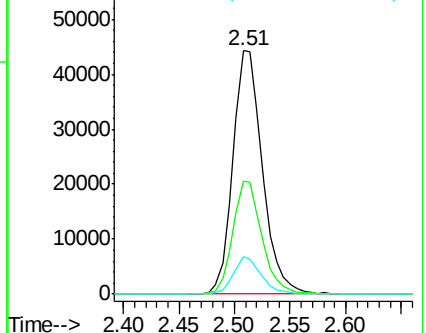
141 14.5 11.3 16.9

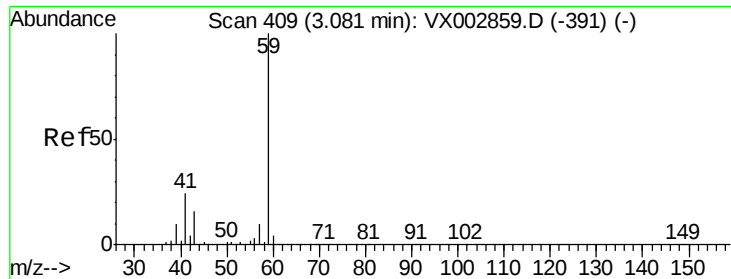


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 249.60 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

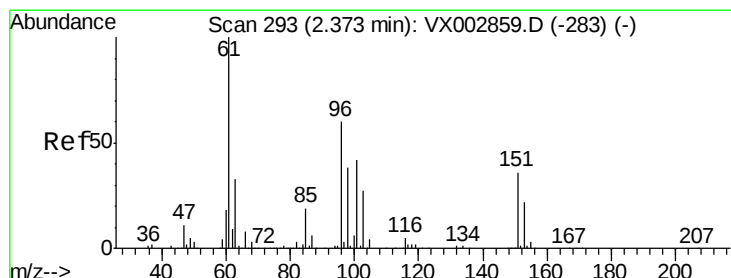
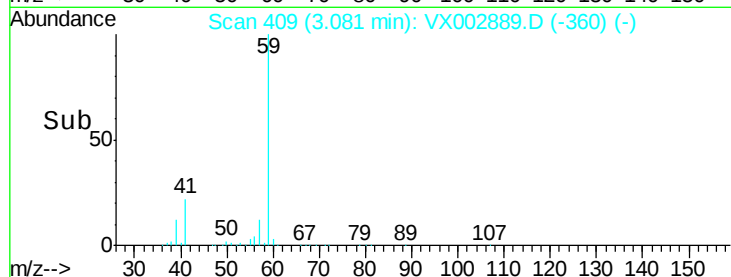
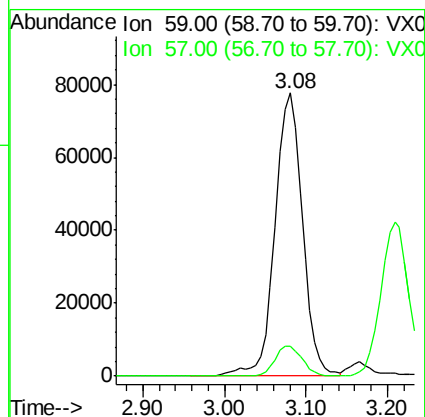
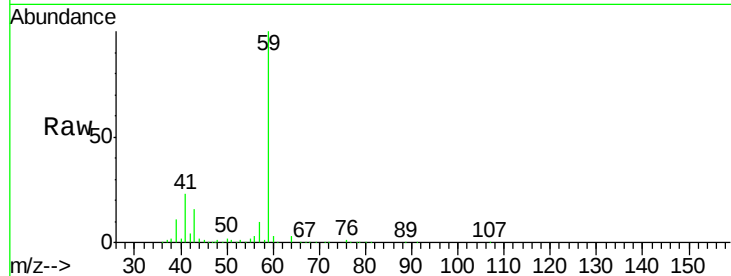
VSTDCCC050EC

Tot Ion: 59 Resp: 181148

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



#12

1,1-Dichloroethene

Concen: 47.32 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

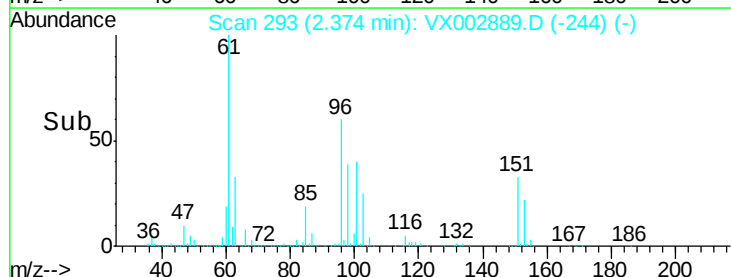
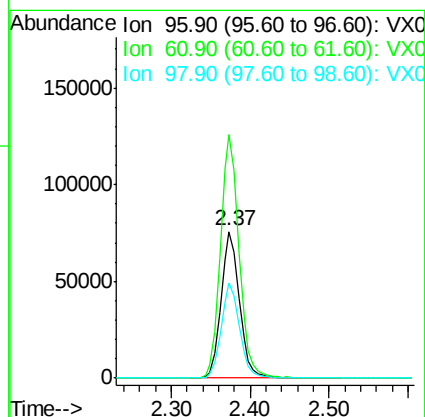
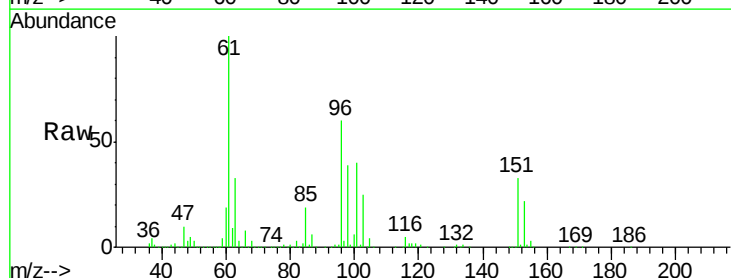
Tgt Ion: 96 Resp: 123002

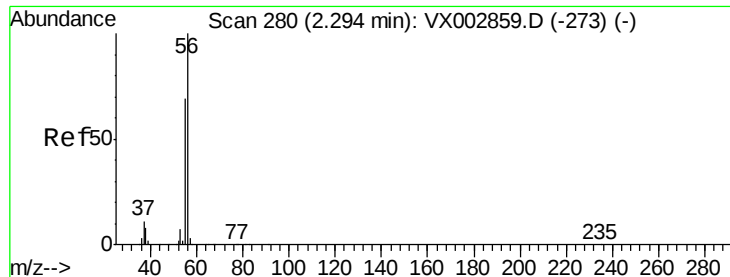
Ion Ratio Lower Upper

96 100

61 165.8 137.9 206.9

98 65.0 51.6 77.4





#13

Acrolein

Concen: 206.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

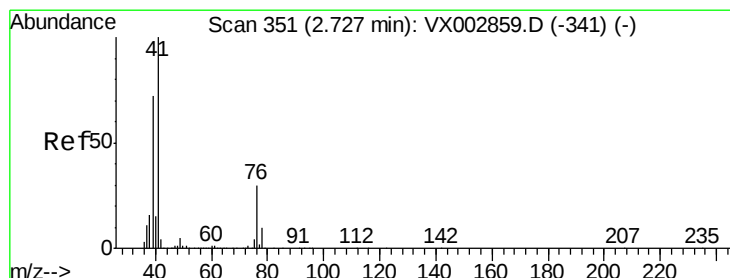
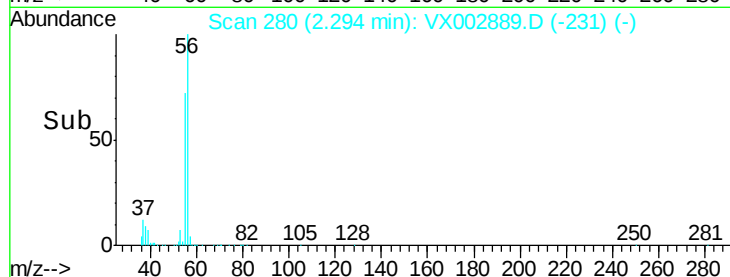
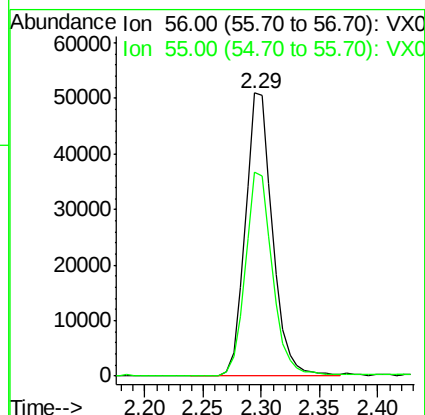
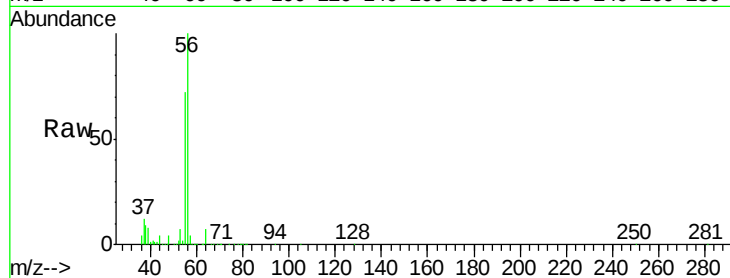
VSTDCCC050EC

Tot Ion: 56 Resp: 82812

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.4



#14

Allyl chloride

Concen: 47.35 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

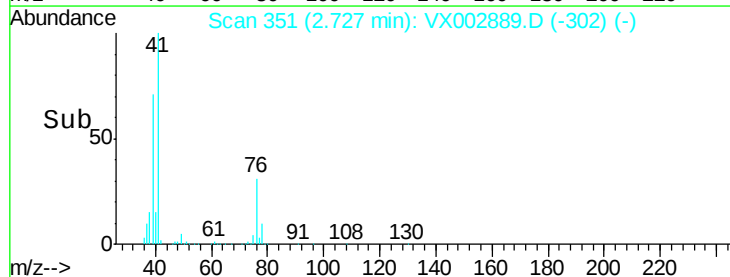
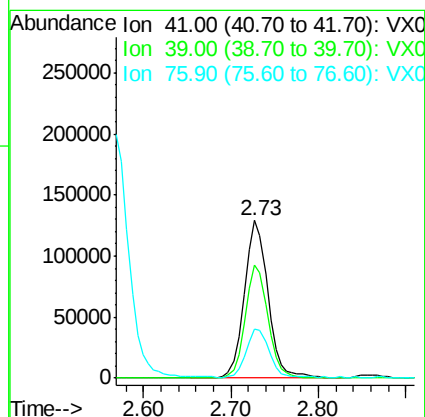
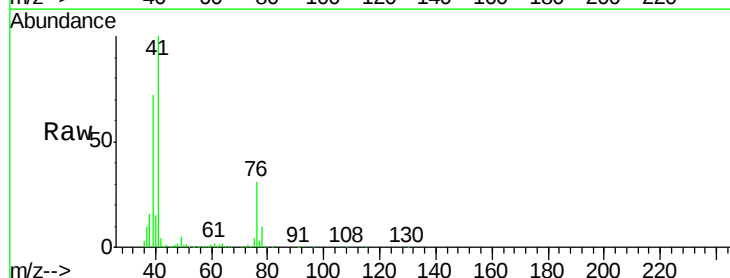
Tgt Ion: 41 Resp: 242628

Ion Ratio Lower Upper

41 100

39 68.6 56.8 85.2

76 29.8 23.8 35.8





#15

Acrylonitrile

Concen: 248.20 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

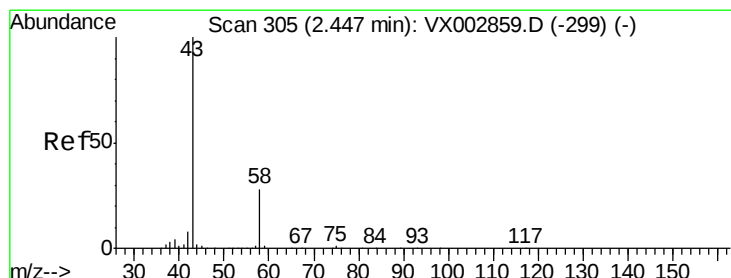
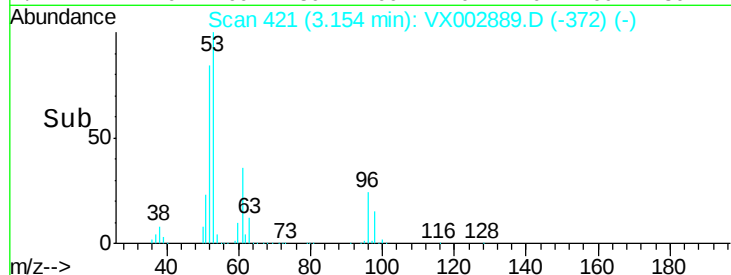
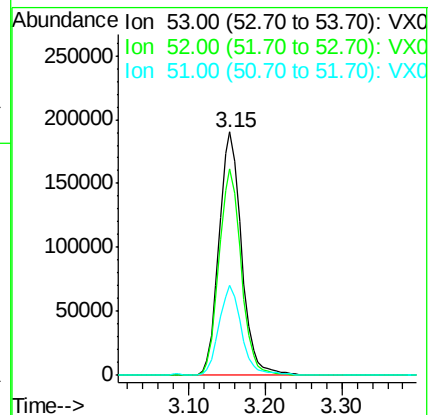
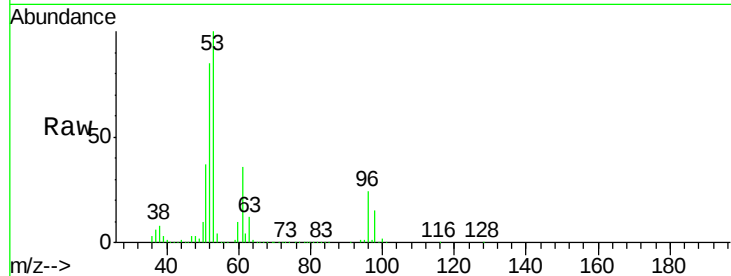
Tot Ion: 53 Resp: 384758

Ion Ratio Lower Upper

53 100

52 84.2 66.7 100.1

51 37.1 29.9 44.9



#16

Acetone

Concen: 238.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002889.D

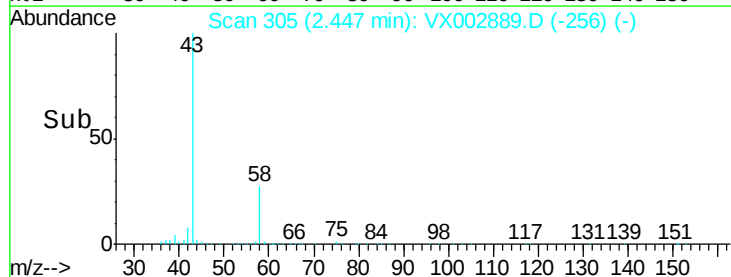
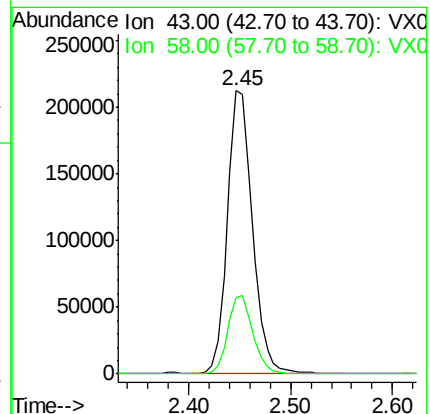
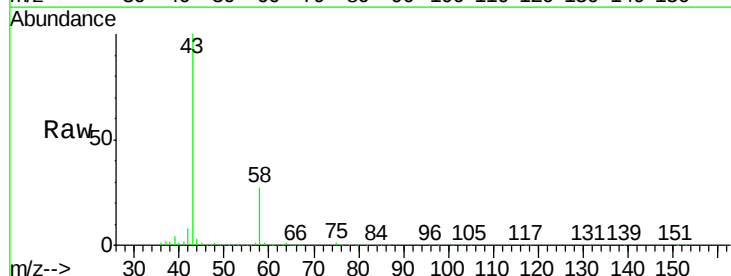
Acq: 26 Jun 2018 04:45

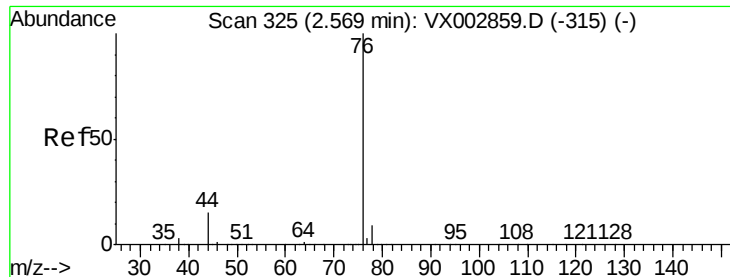
Tgt Ion: 43 Resp: 360318

Ion Ratio Lower Upper

43 100

58 26.9 22.1 33.1

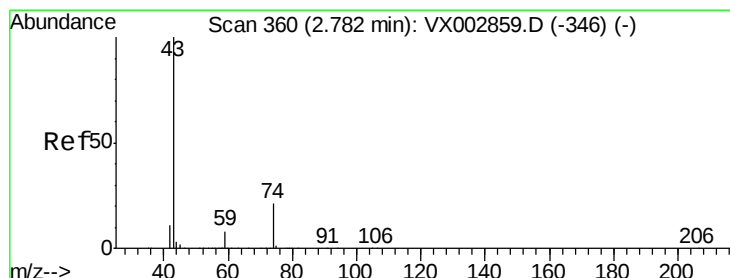
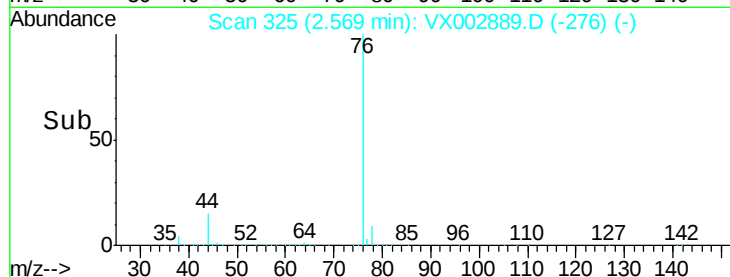
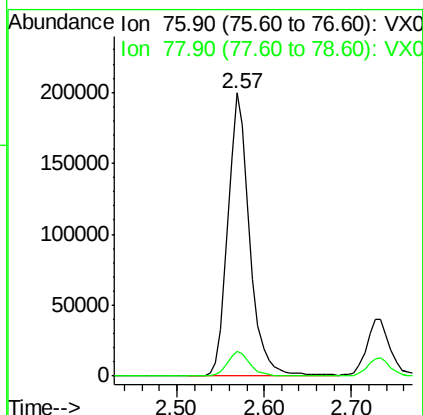
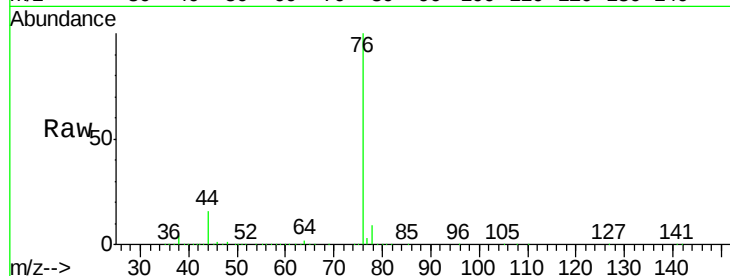




#17
Carbon Disulfide
Concen: 49.93 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

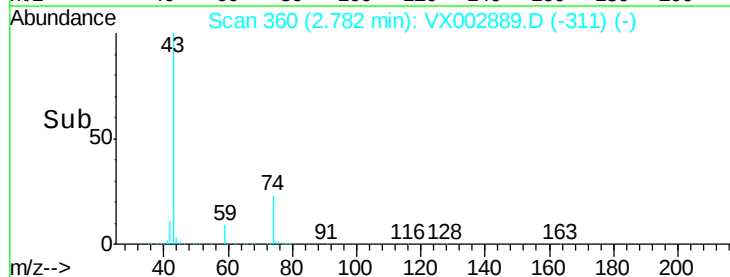
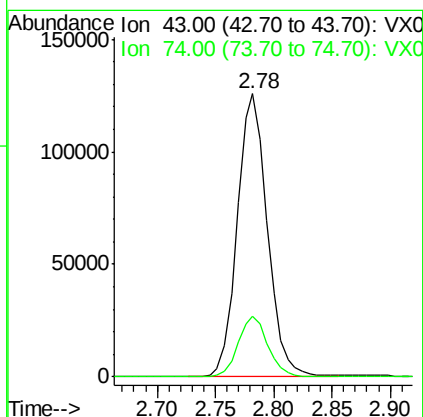
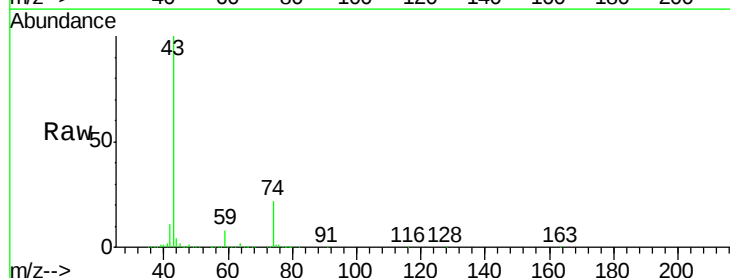
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

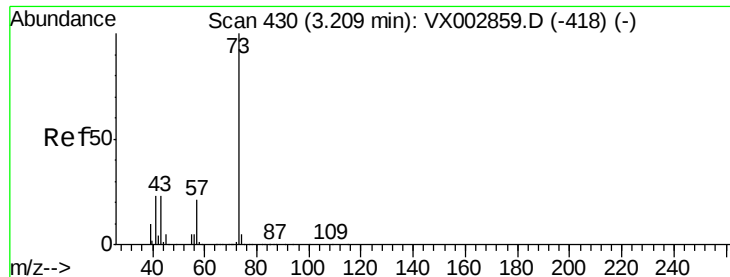
Tot Ion: 76 Resp: 345785
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3



#18
Methyl Acetate
Concen: 53.50 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 43 Resp: 225681
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 49.27 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

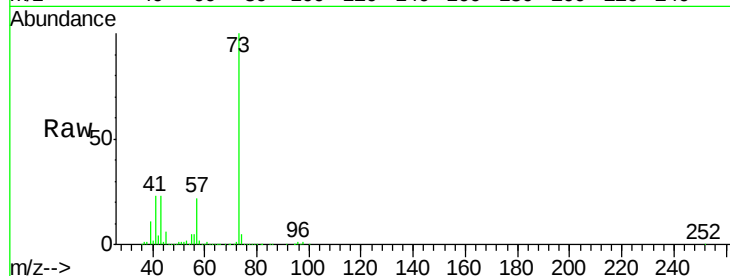
VSTDCCC050EC

Tot Ion: 73 Resp: 460403

Ion Ratio Lower Upper

73 100

57 21.5 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

200000

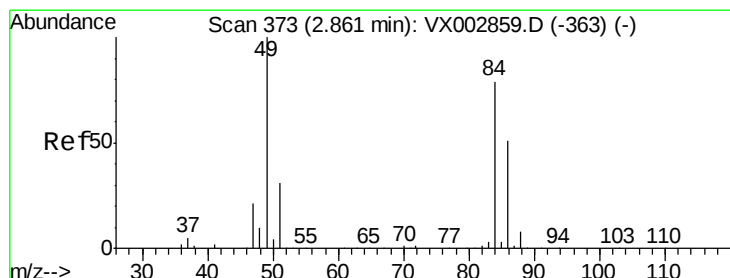
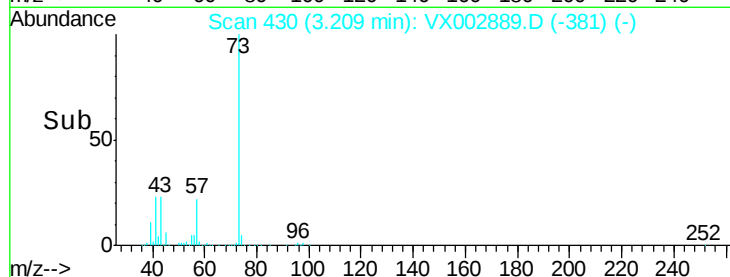
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 47.26 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Tgt Ion: 84 Resp: 138747

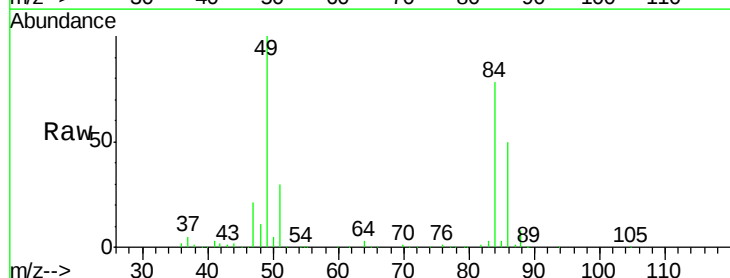
Ion Ratio Lower Upper

84 100

49 128.5 107.8 161.6

51 38.3 32.8 49.2

86 64.0 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

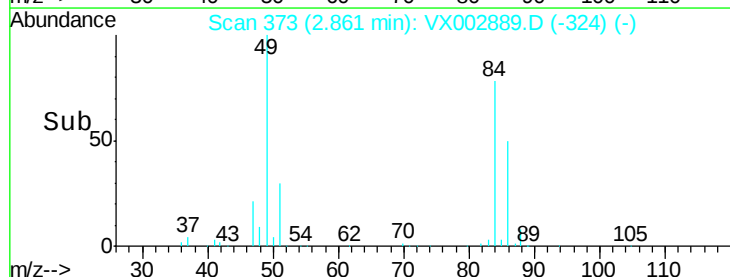
Ion 85.90 (85.60 to 86.60): VX0

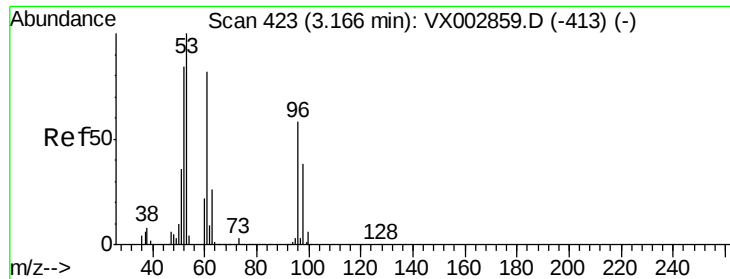
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

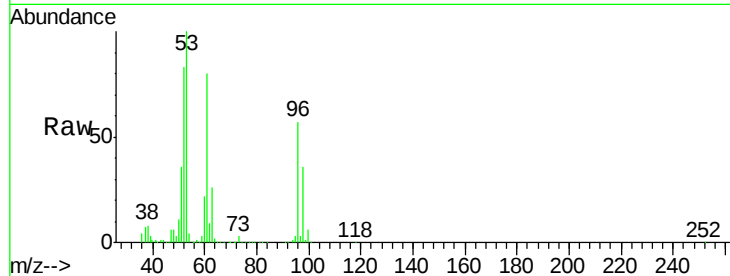
Tot Ion: 96 Resp: 131867

Ion Ratio Lower Upper

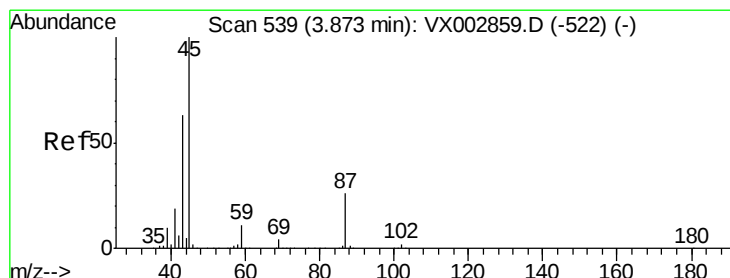
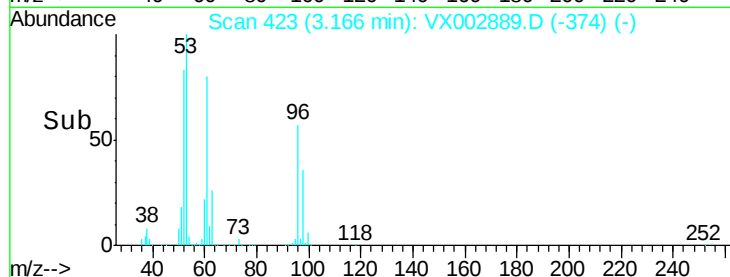
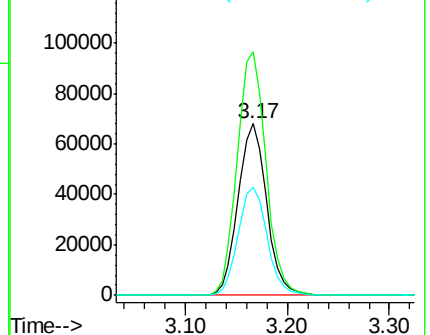
96 100

61 141.6 117.0 175.4

98 63.0 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: 50.01 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Tgt Ion: 45 Resp: 489887

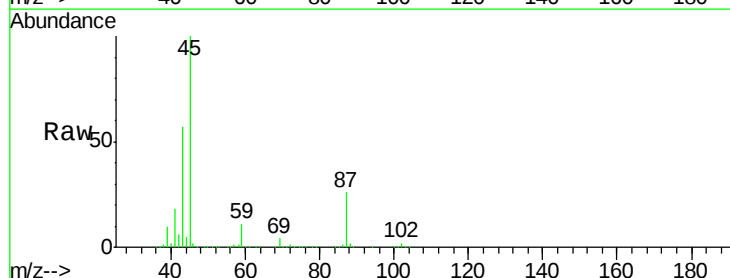
Ion Ratio Lower Upper

45 100

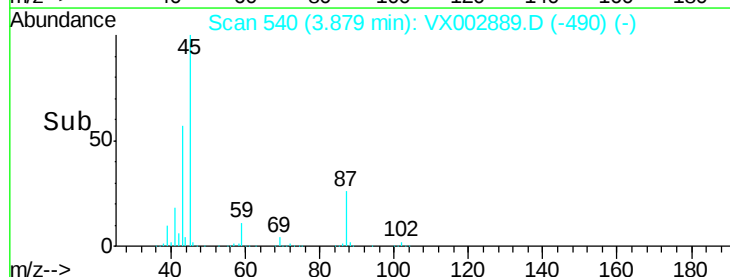
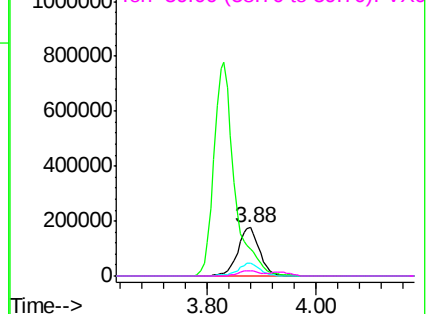
43 56.5 46.8 70.2

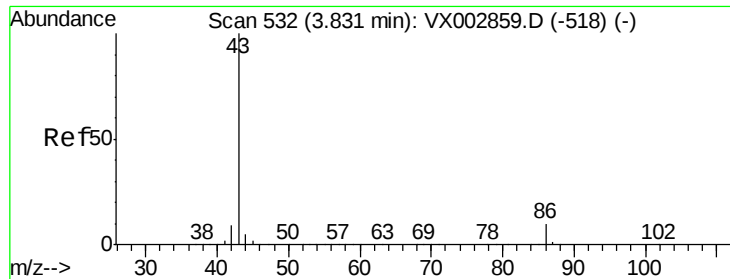
87 26.2 20.2 30.4

59 10.9 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

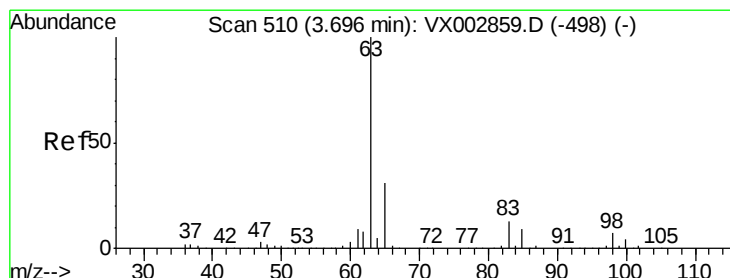
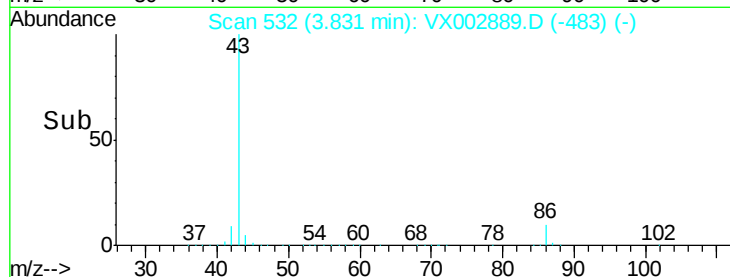
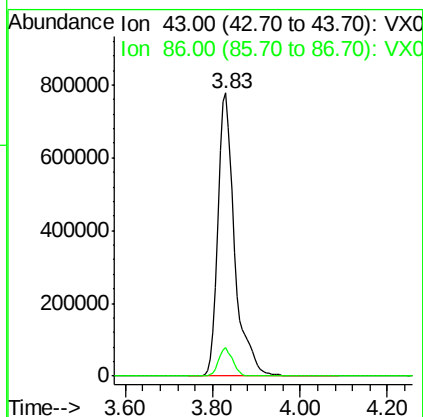
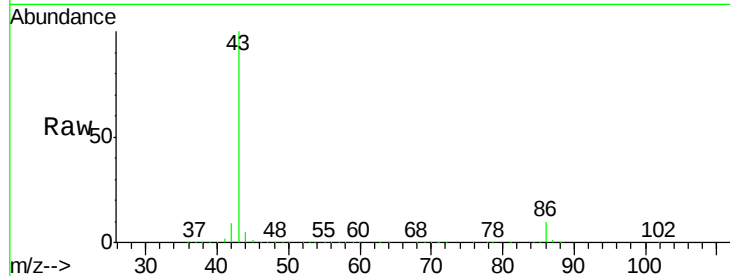




#23
 Vinyl Acetate
 Concen: 245.68 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

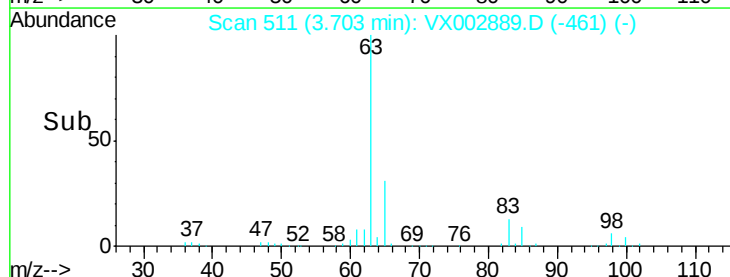
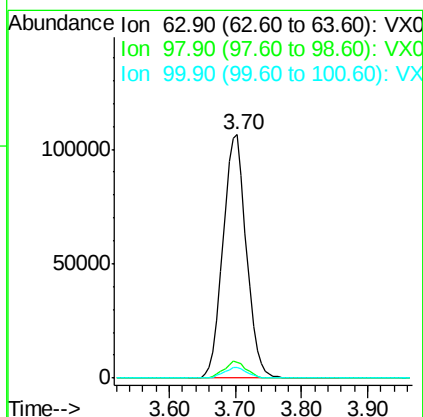
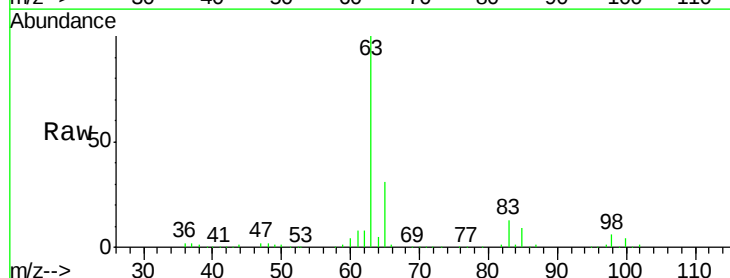
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

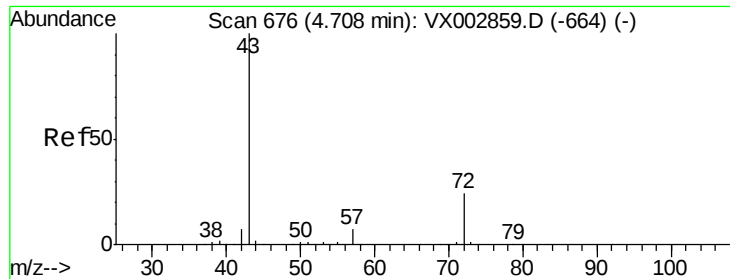
Tot Ion: 43 Resp: 2037676
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 48.87 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 63 Resp: 260148
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.2
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 250.08 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

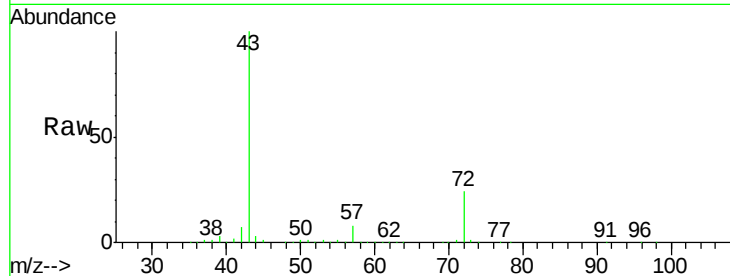
VSTDCCC050EC

Tot Ion: 43 Resp: 559966

Ion Ratio Lower Upper

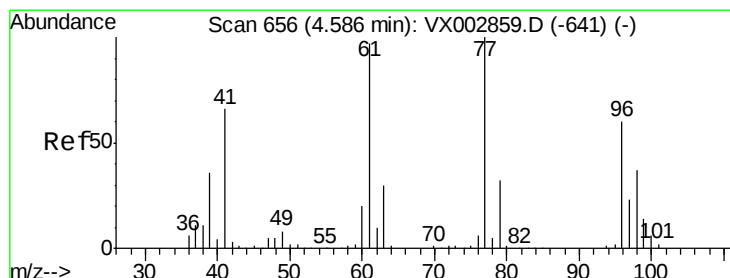
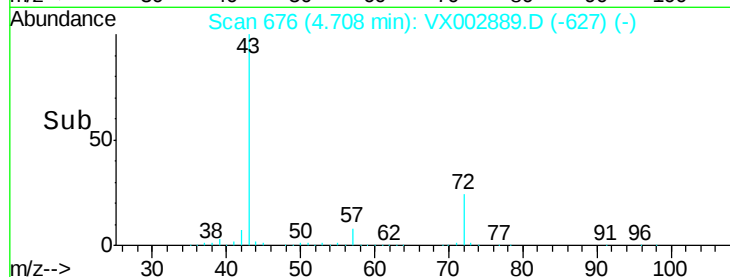
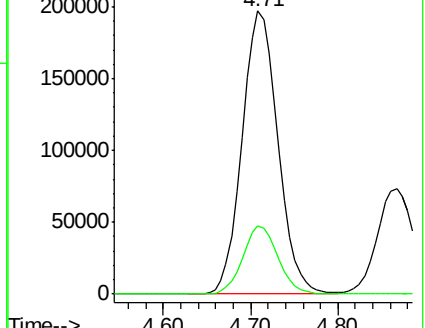
43 100

72 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 35.12 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002889.D

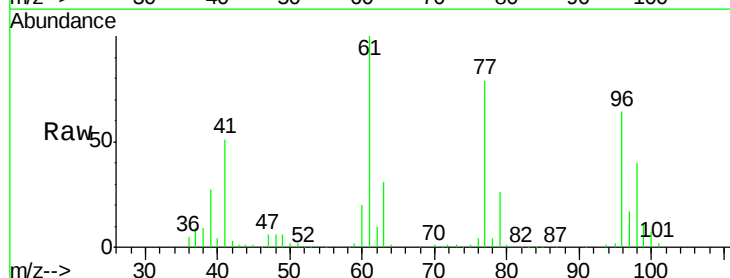
Acq: 26 Jun 2018 04:45

Tgt Ion: 77 Resp: 152044

Ion Ratio Lower Upper

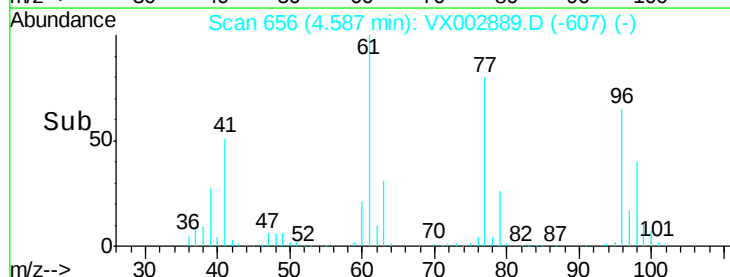
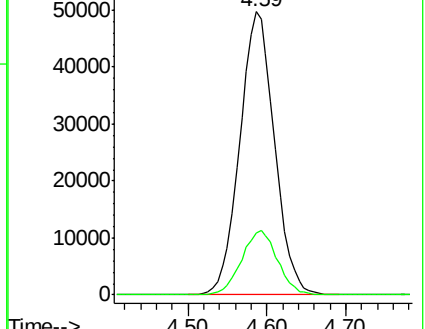
77 100

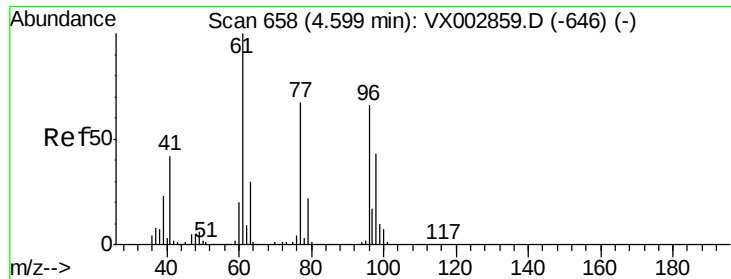
97 23.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



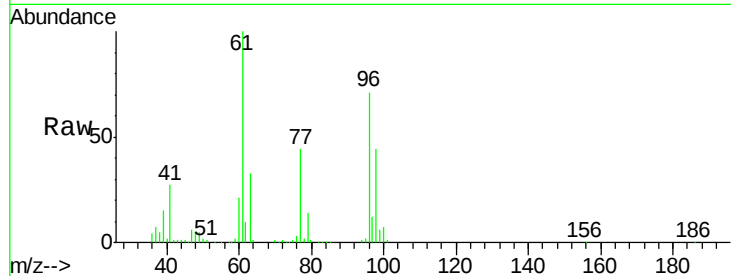


#27

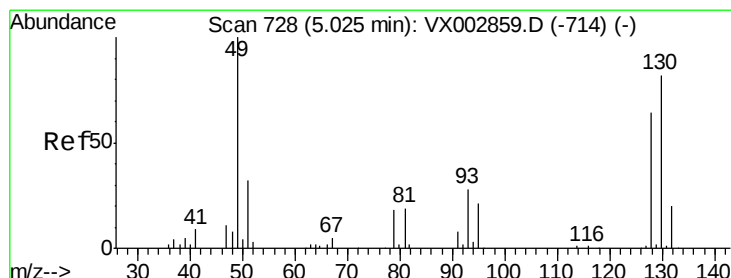
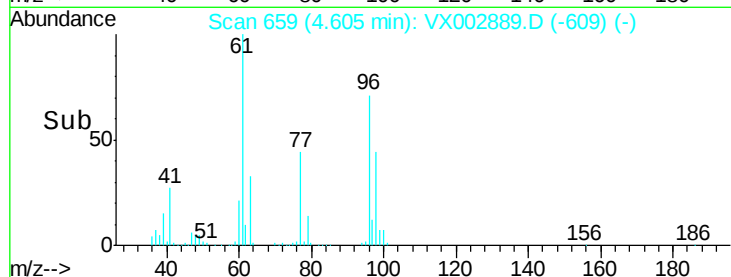
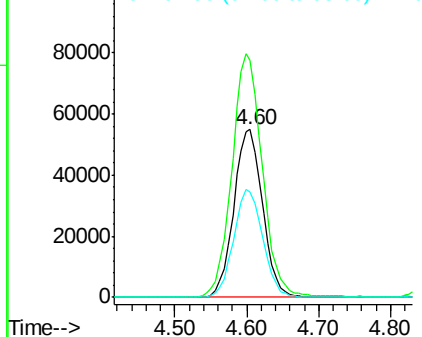
cis-1,2-Dichloroethene
 Concen: 47.98 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 152312
 Ion Ratio Lower Upper
 96 100
 61 154.1 0.0 330.2
 98 65.1 0.0 130.2



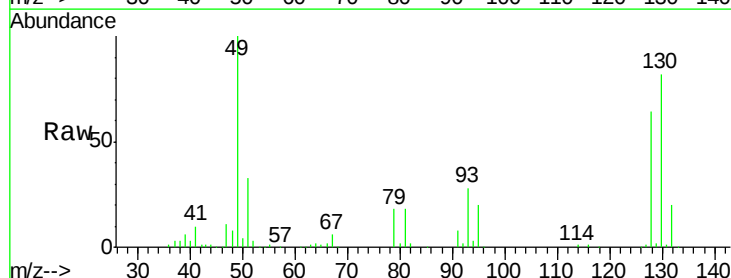
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



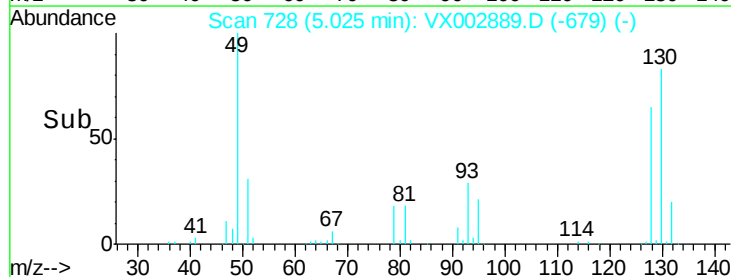
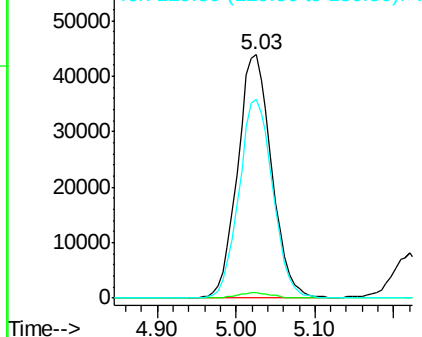
#28

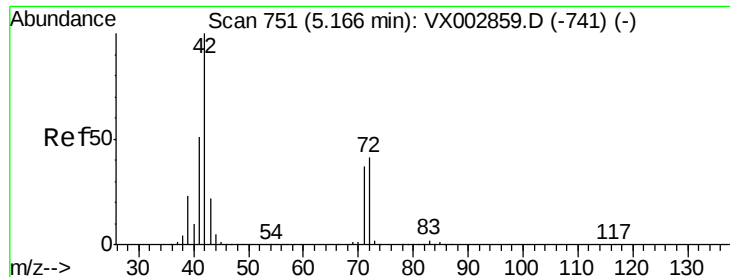
Bromochloromethane
 Concen: 51.84 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 49 Resp: 132094
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 80.7 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 249.54 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

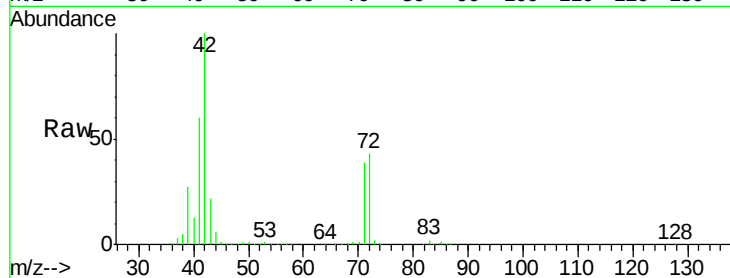
Tot Ion: 42 Resp: 358314

Ion Ratio Lower Upper

42 100

72 42.0 32.0 48.0

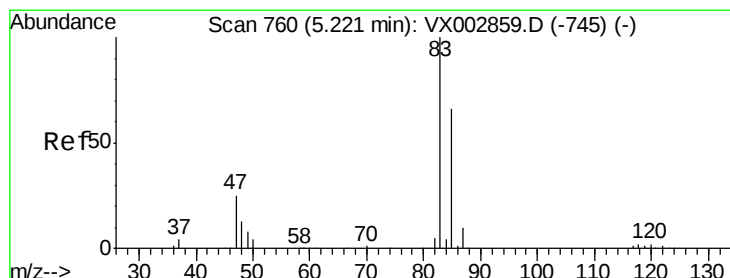
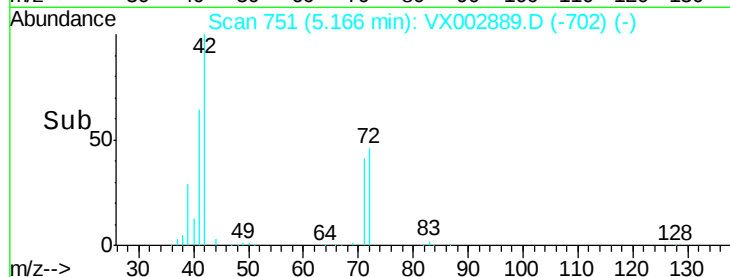
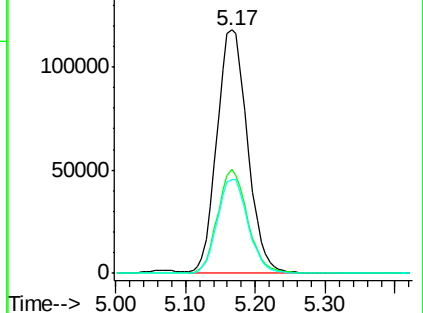
71 39.0 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.11 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002889.D

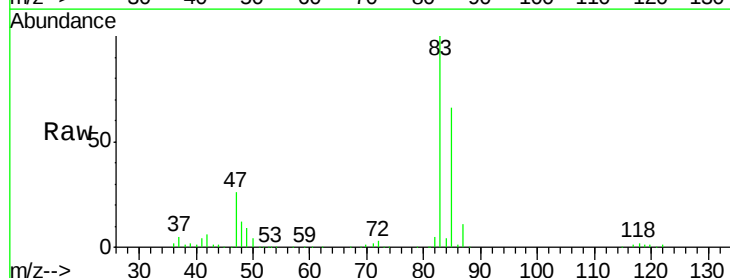
Acq: 26 Jun 2018 04:45

Tgt Ion: 83 Resp: 273793

Ion Ratio Lower Upper

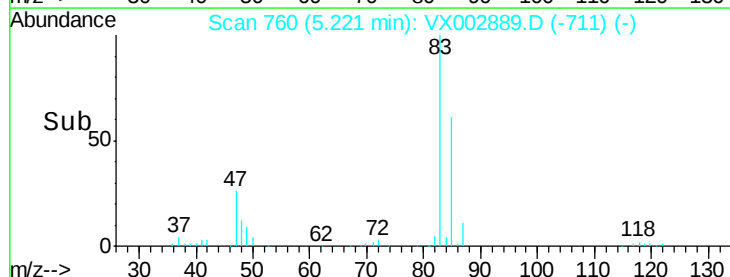
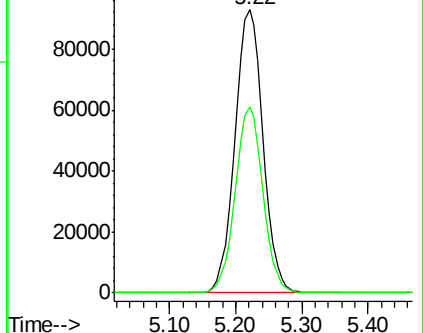
83 100

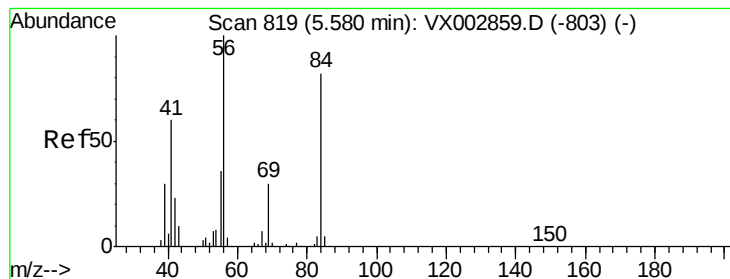
85 65.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.06 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

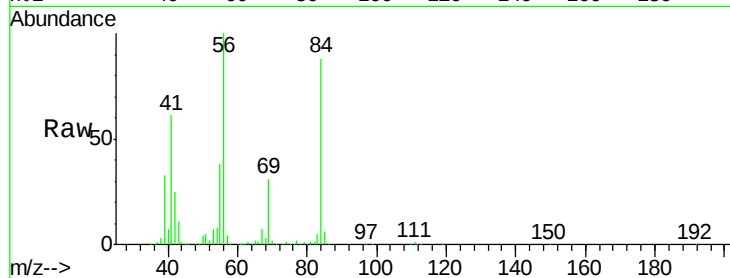
Tot Ion: 56 Resp: 219599

Ion Ratio Lower Upper

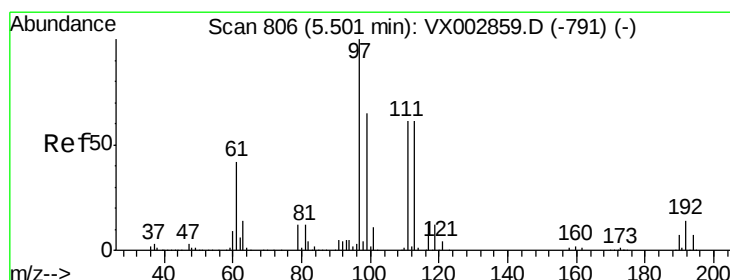
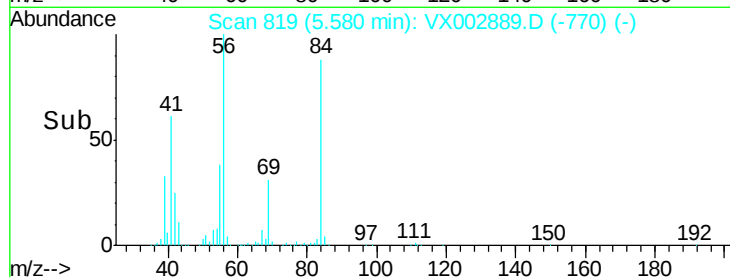
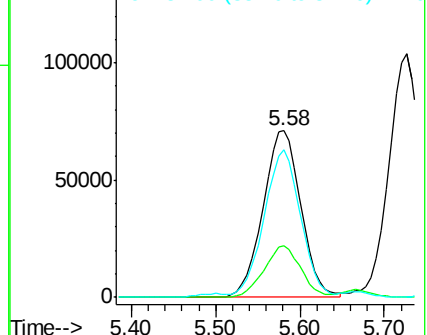
56 100

69 31.3 23.7 35.5

84 87.5 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: 50.59 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

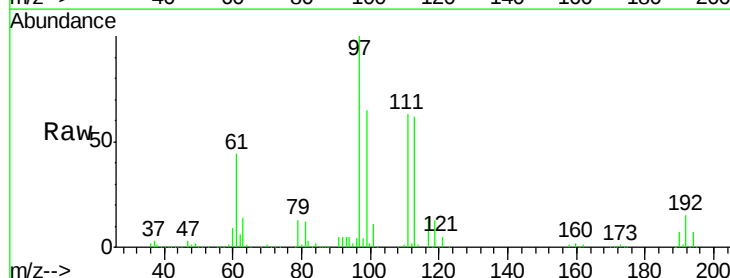
Tgt Ion: 97 Resp: 243204

Ion Ratio Lower Upper

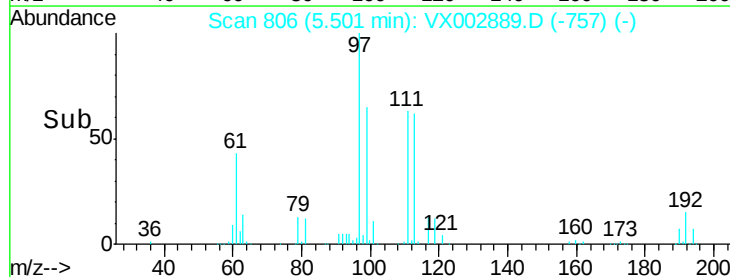
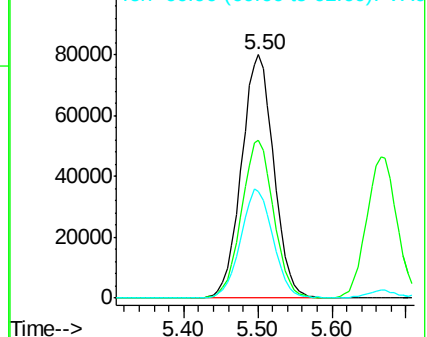
97 100

99 64.5 51.6 77.4

61 44.9 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

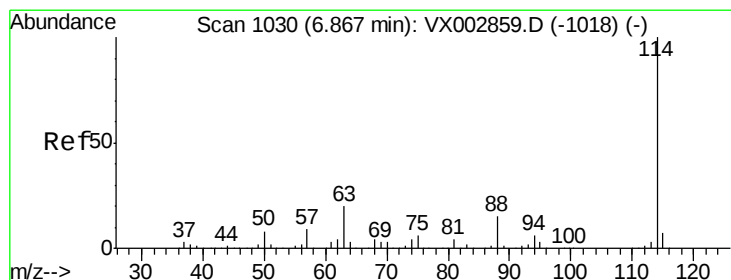
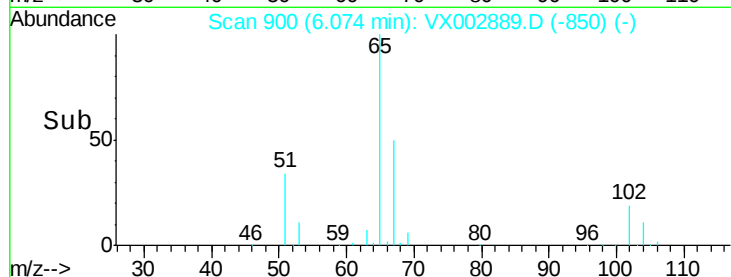
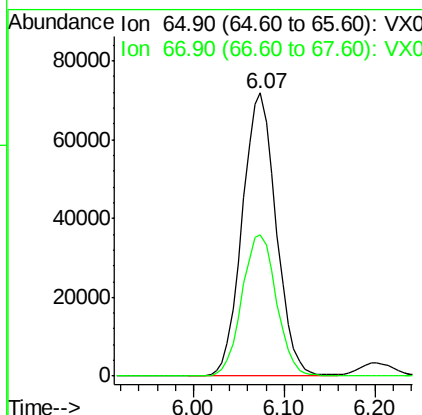
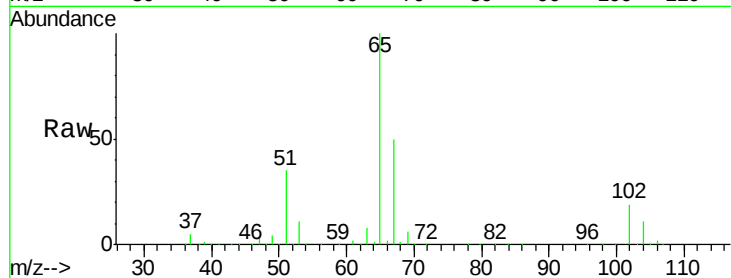




#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

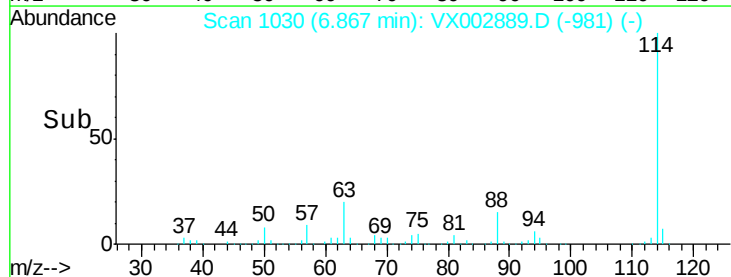
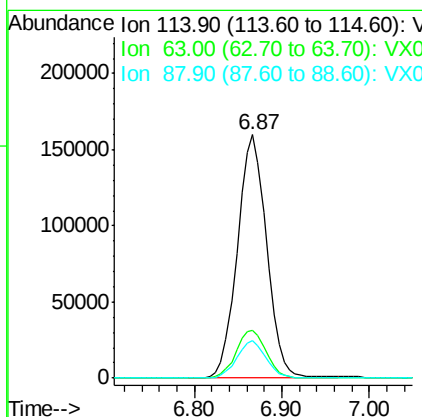
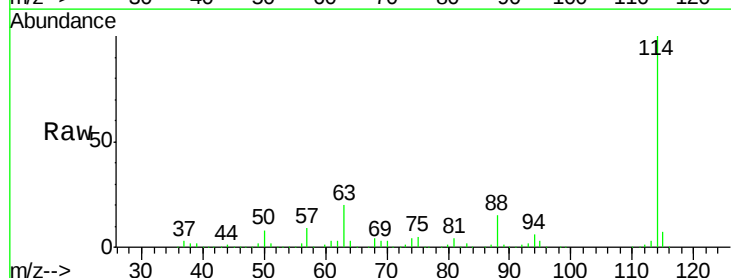
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

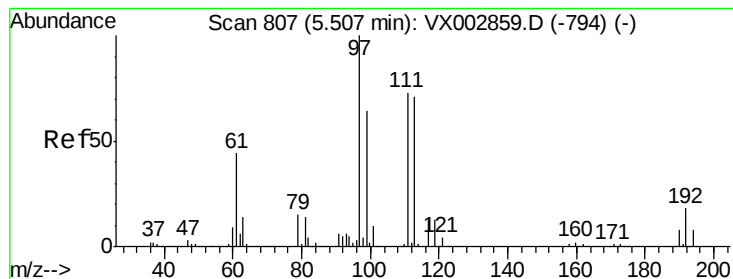
Tot Ion: 65 Resp: 185889
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 114 Resp: 372040
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.58 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

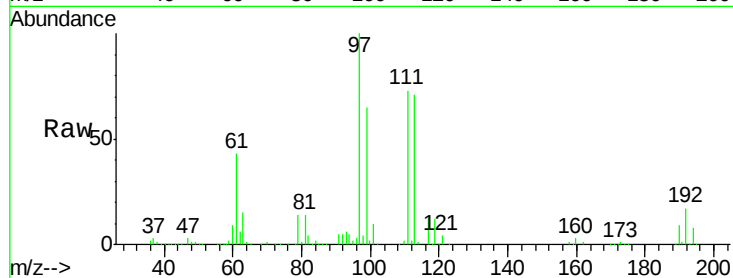
Tot Ion:113 Resp: 149034

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

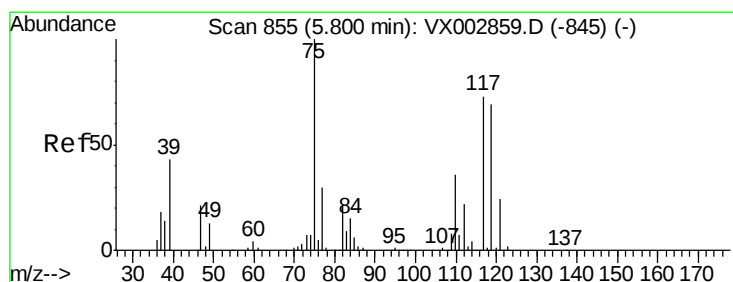
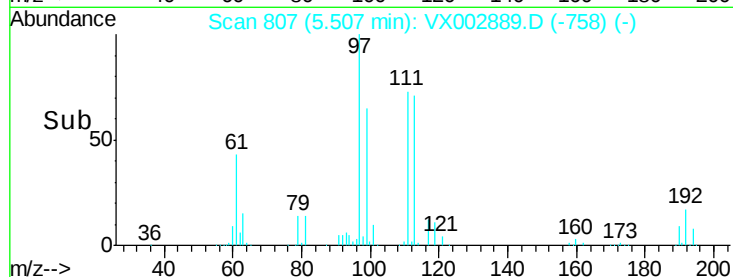
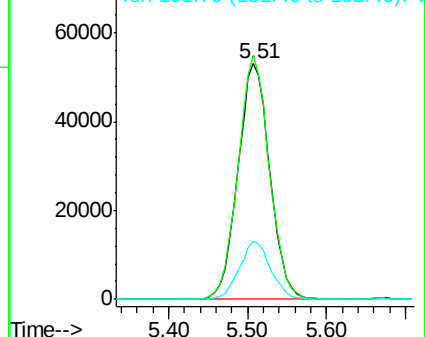
192 24.1 19.1 28.7



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: 47.17 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

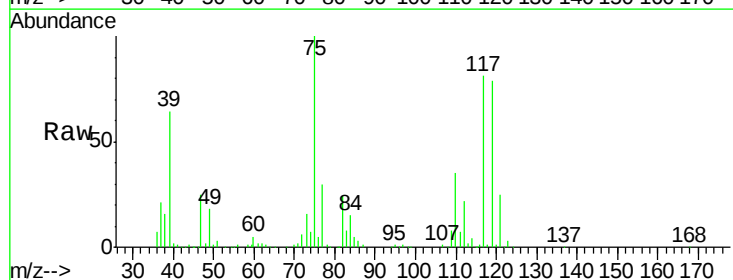
Tgt Ion: 75 Resp: 192444

Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.4

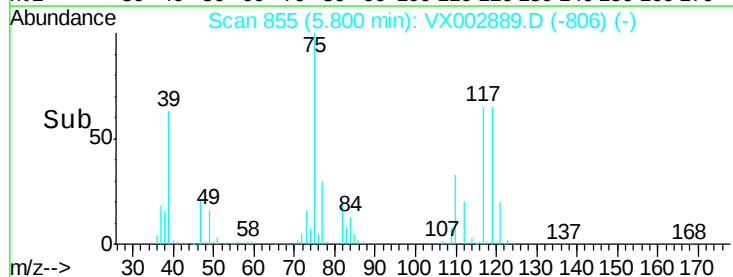
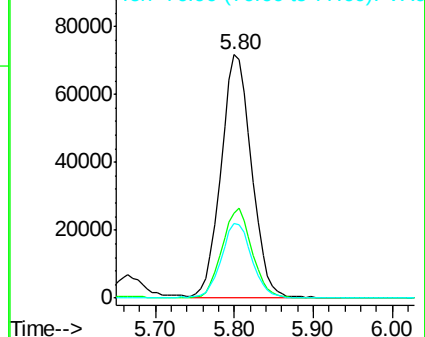
77 31.2 24.3 36.5

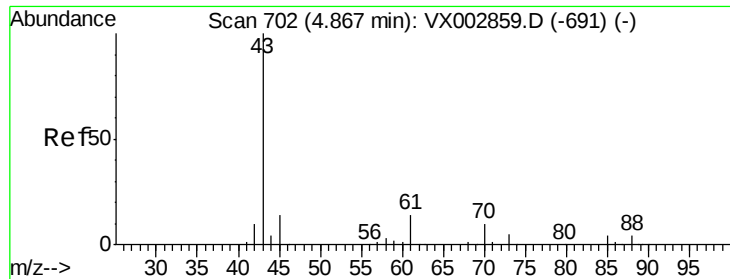


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

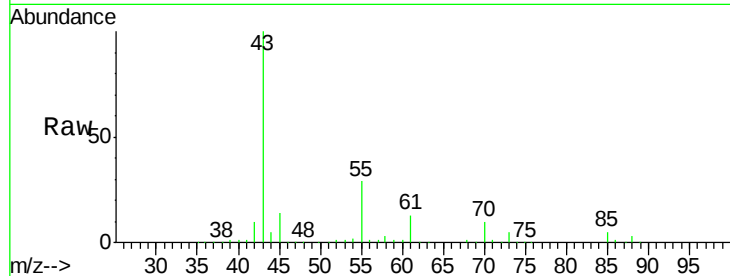




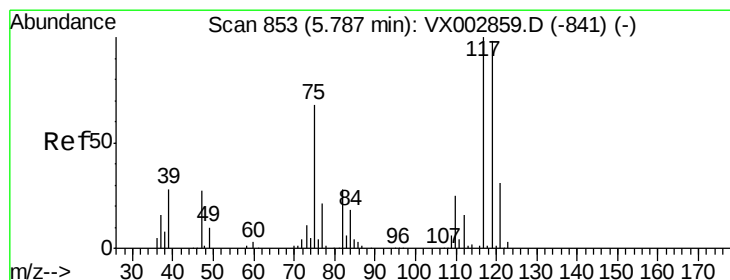
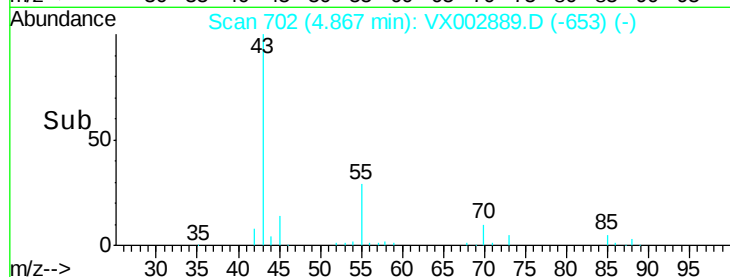
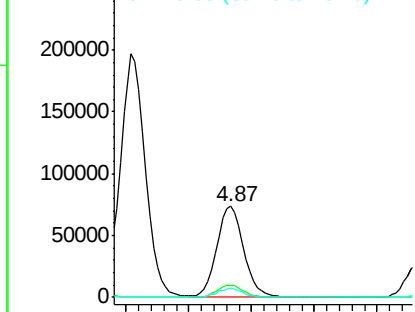
#37
Ethyl Acetate
Concen: 49.85 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 218984
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.7 7.6 11.4

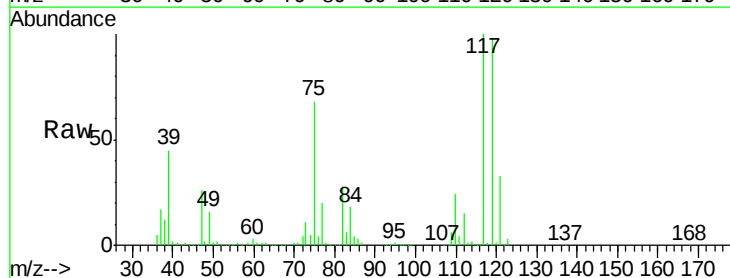


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

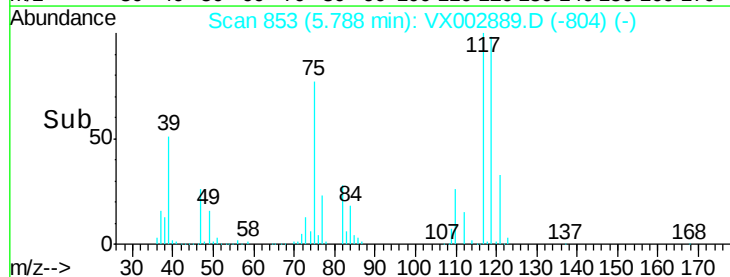
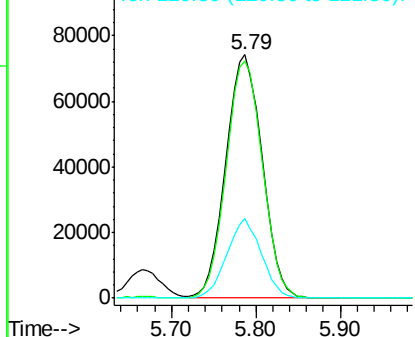


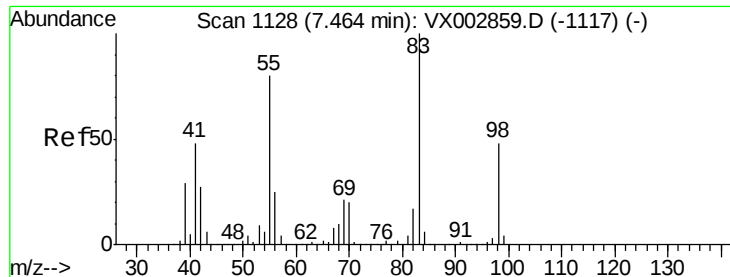
#38
Carbon Tetrachloride
Concen: 48.69 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 117 Resp: 218002
Ion Ratio Lower Upper
117 100
119 97.7 77.4 116.0
121 32.7 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

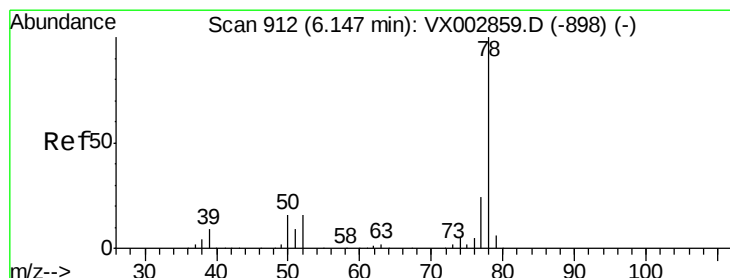
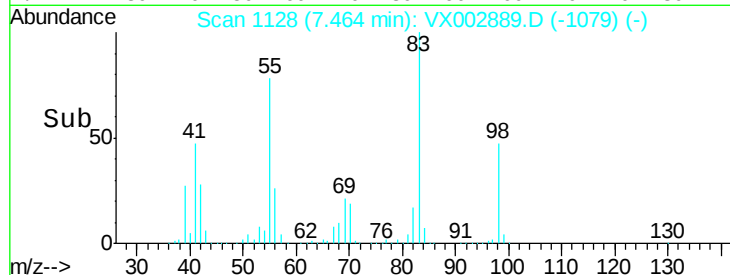
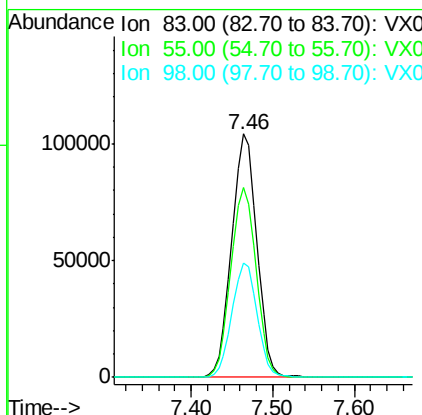
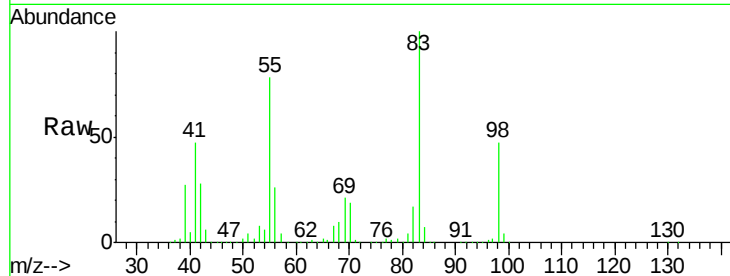




#39
Methvlcvclohexane
Concen: 46.69 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

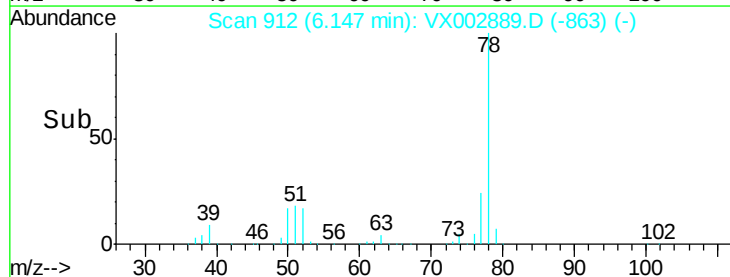
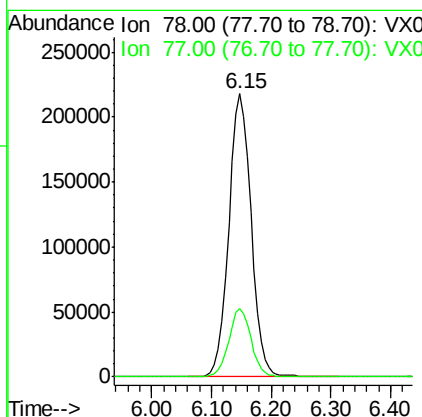
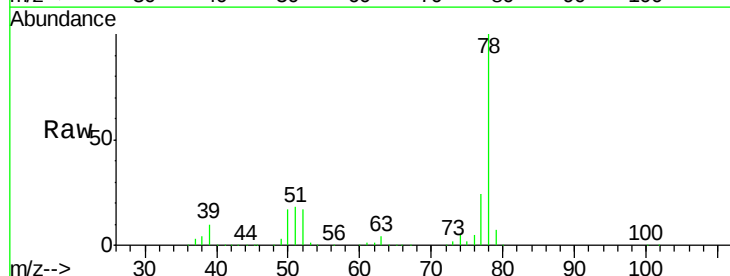
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

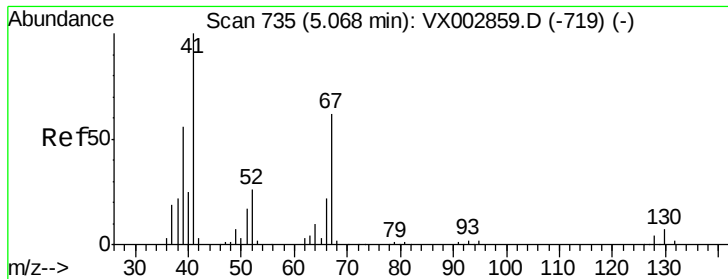
Tot Ion: 83 Resp: 221879
Ion Ratio Lower Upper
83 100
55 77.8 65.4 98.0
98 46.8 37.4 56.0



#40
Benzene
Concen: 47.98 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 78 Resp: 568766
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7





#41

Methacrylonitrile

Concen: 49.14 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 124307

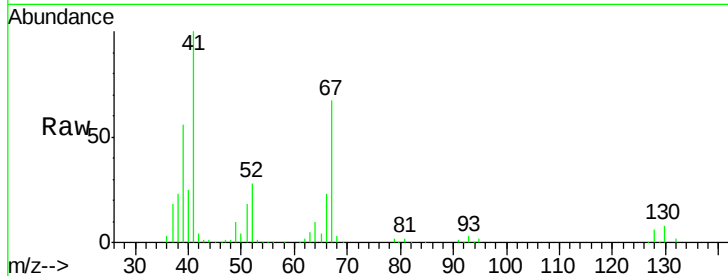
Ion Ratio Lower Upper

41 100

39 57.4 45.8 68.6

67 66.8 51.3 76.9

52 28.8 23.0 34.6

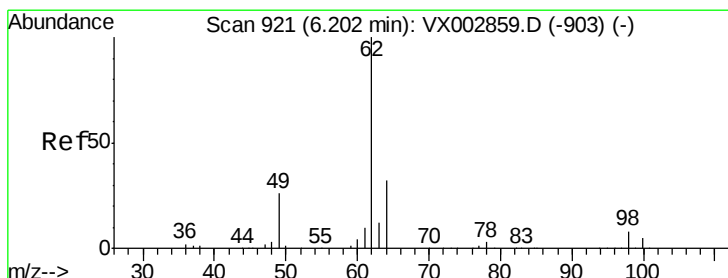
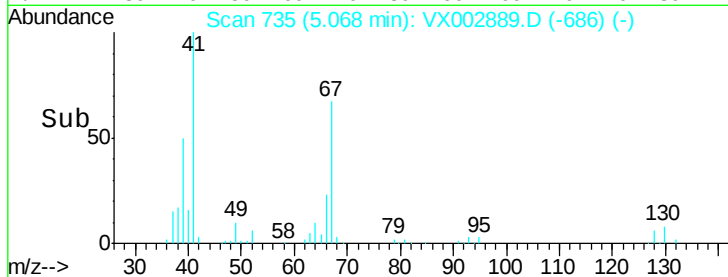
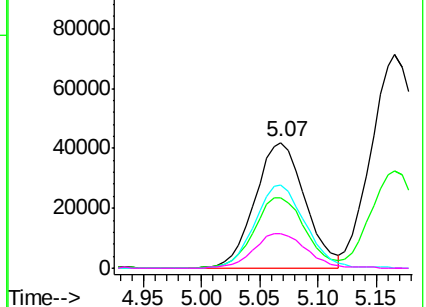


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.50 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX002889.D

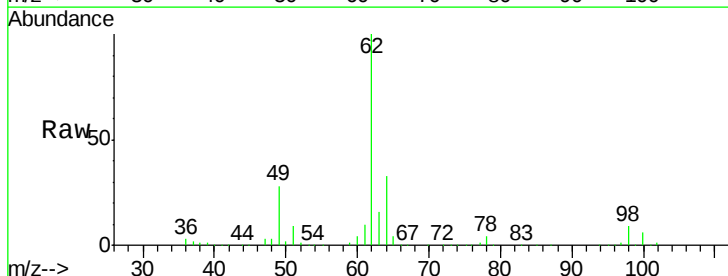
Acq: 26 Jun 2018 04:45

Tgt Ion: 62 Resp: 227437

Ion Ratio Lower Upper

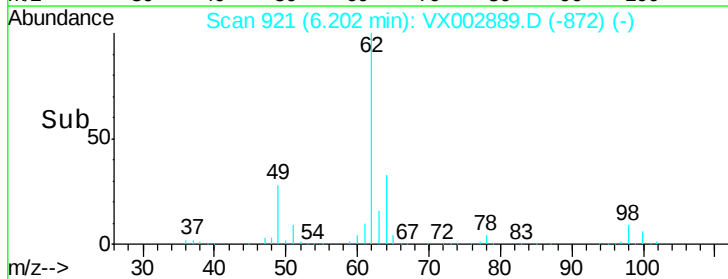
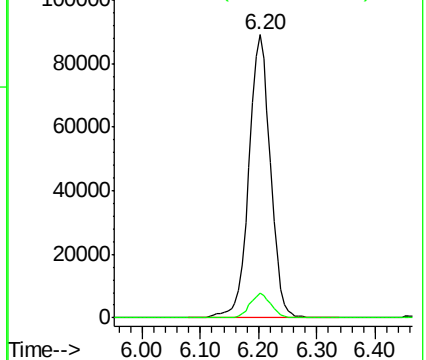
62 100

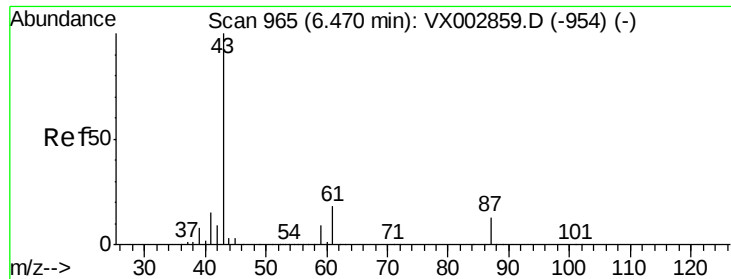
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



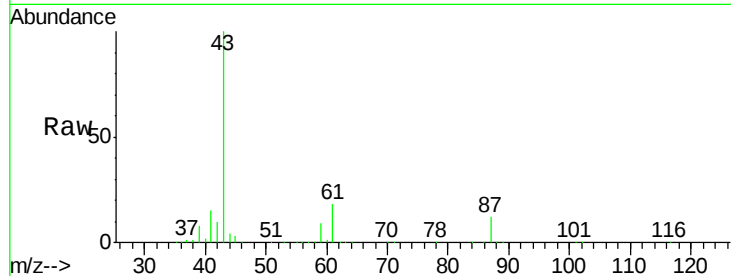


#43

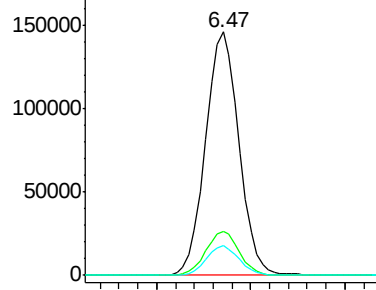
Isopropyl Acetate
 Concen: 48.93 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

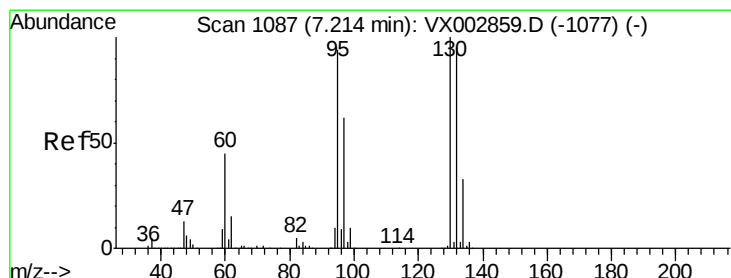
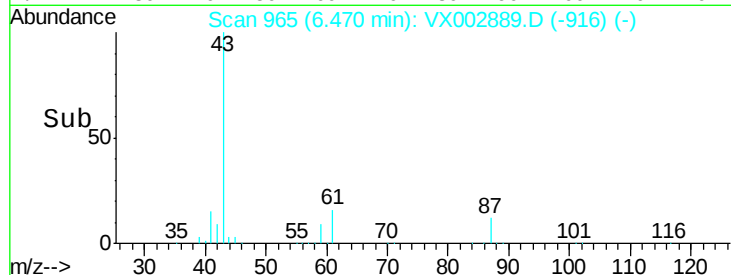
Tot Ion	43	Resp	360503
Ion Ratio	Lower	Upper	
43	100		
61	18.2	14.4	21.6
87	12.2	9.5	14.3



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



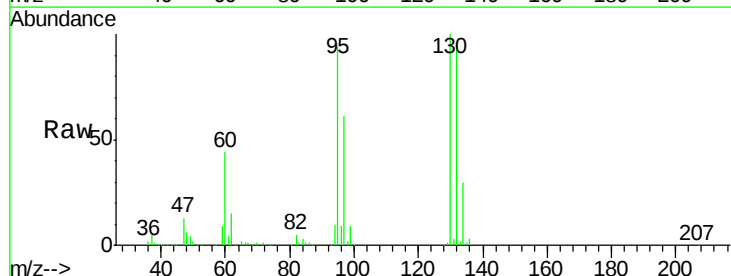
Time-->



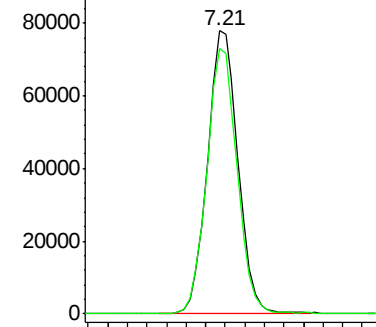
#44

Trichloroethene
 Concen: 47.54 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

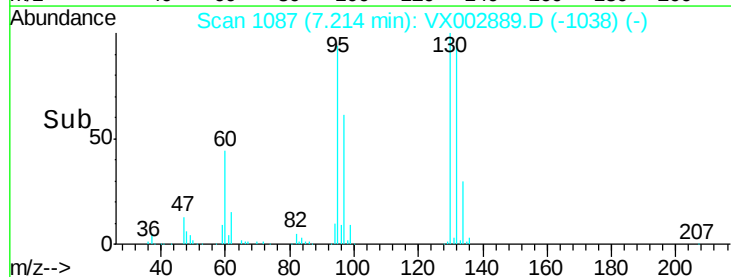
Tgt Ion	130	Resp	168020
Ion Ratio	Lower	Upper	
130	100		
95	93.9	0.0	185.4



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



Time-->





#45

1,2-Dichloropropane

Concen: 48.82 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

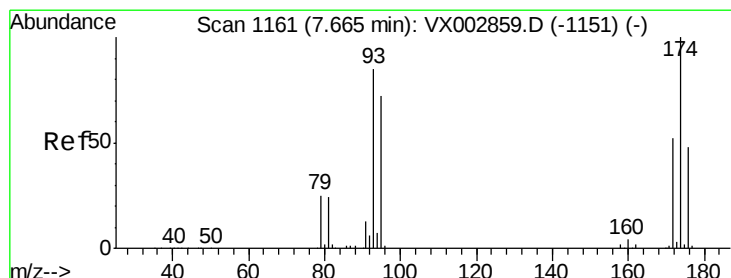
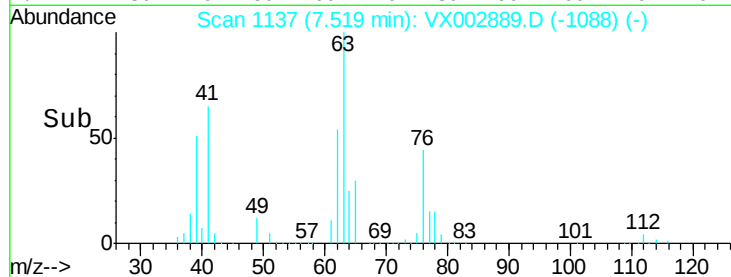
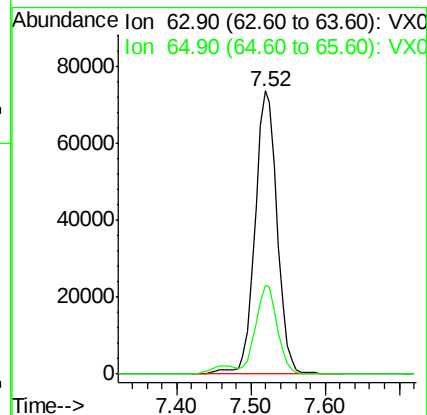
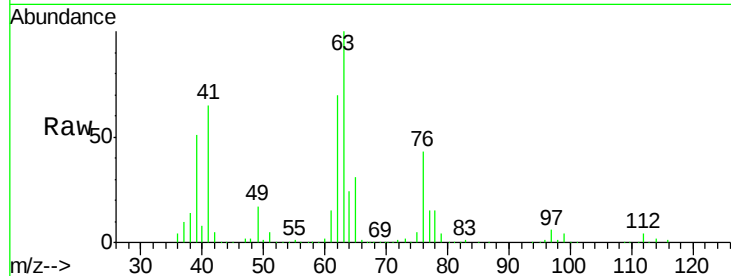
VSTDCCC050EC

Tot Ion: 63 Resp: 153526

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



#46

Dibromomethane

Concen: 48.48 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

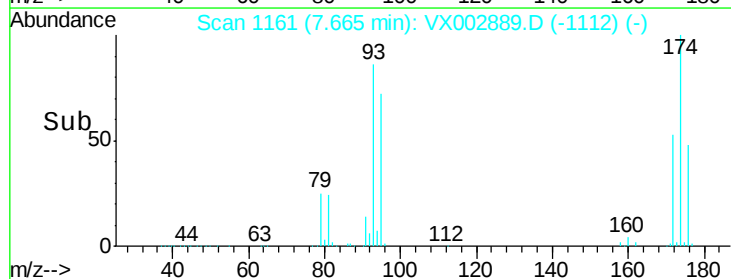
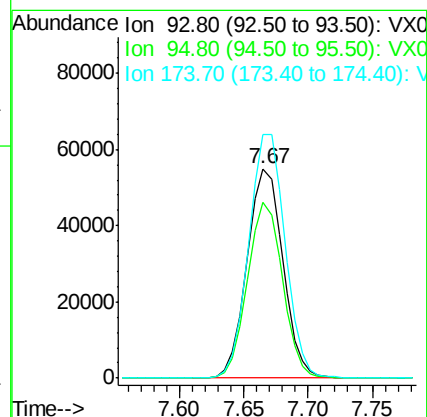
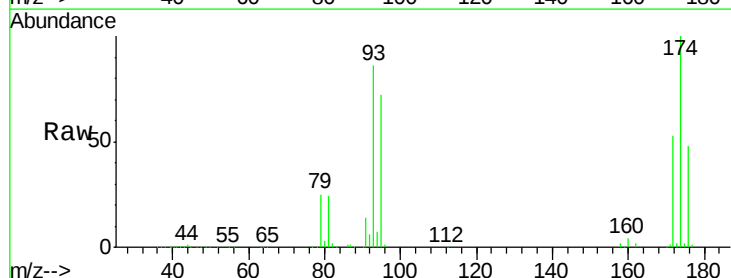
Tgt Ion: 93 Resp: 105801

Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 118.2 92.4 138.6





#47

Bromodichloromethane

Concen: 51.60 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

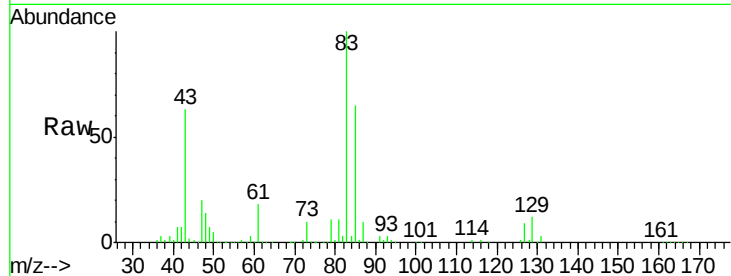
Tot Ion: 83 Resp: 208164

Ion Ratio Lower Upper

83 100

85 65.0 50.3 75.5

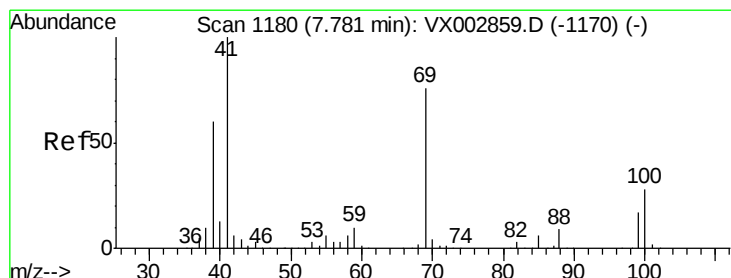
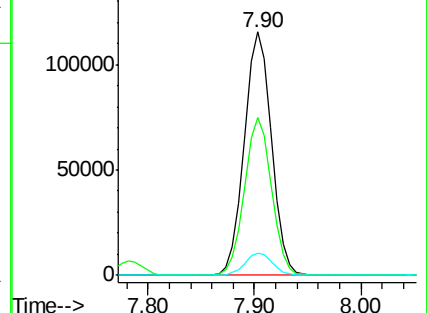
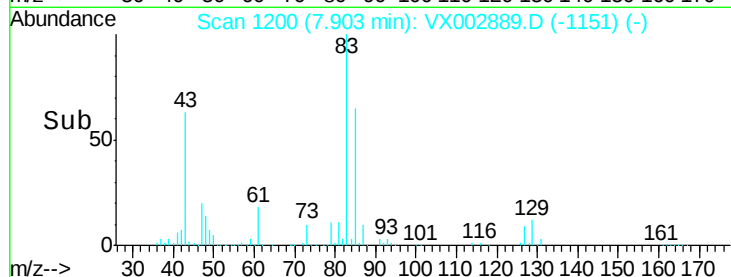
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.32 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

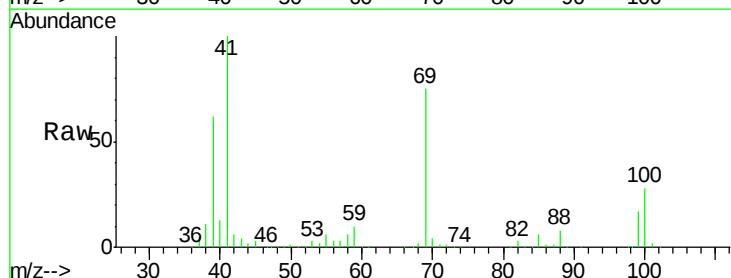
Tgt Ion: 41 Resp: 191026

Ion Ratio Lower Upper

41 100

69 76.4 59.1 88.7

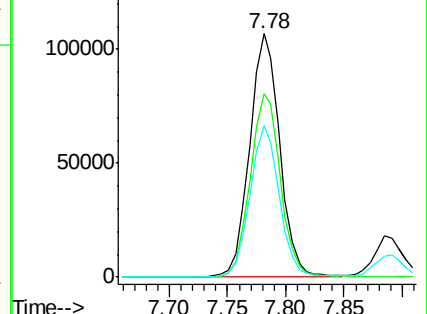
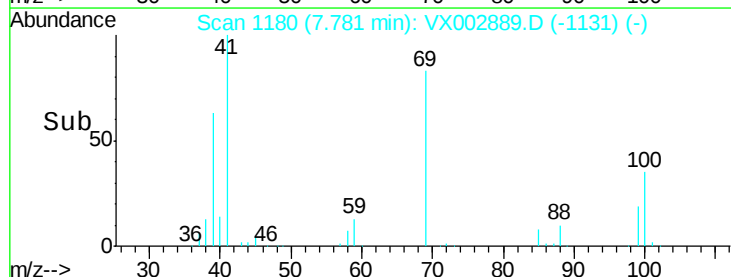
39 60.9 48.9 73.3

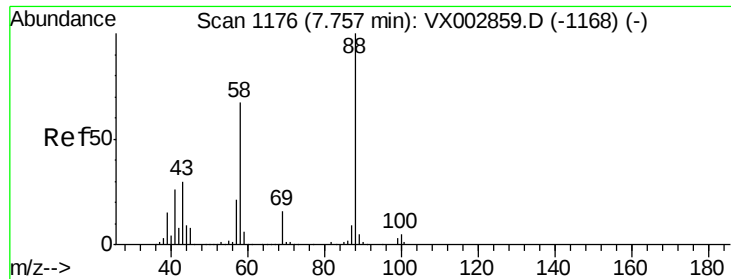


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

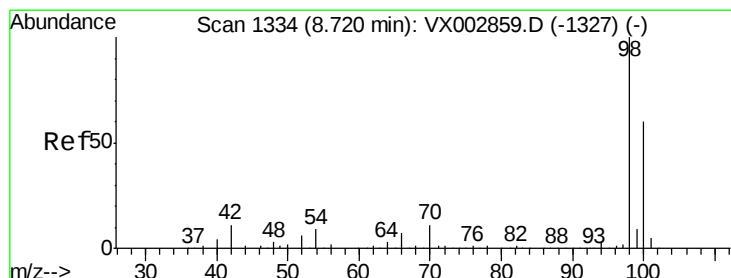
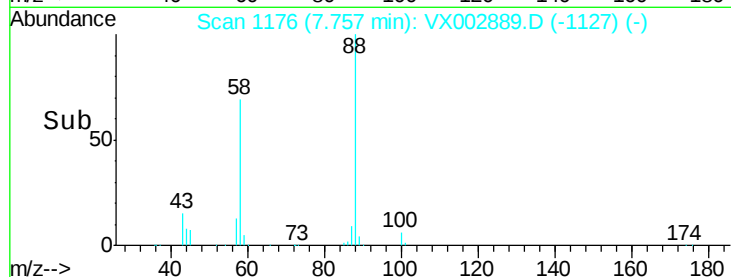
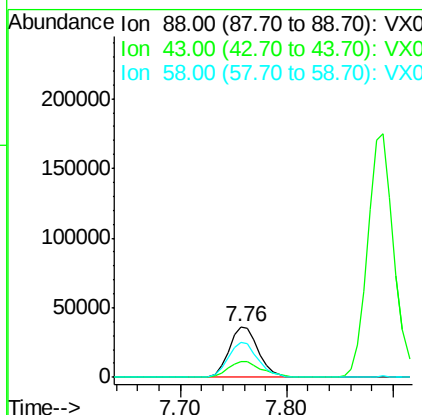
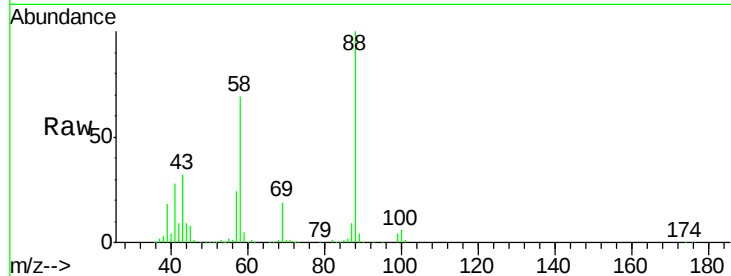




#49
1,4-Dioxane
Concen: 950.45 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

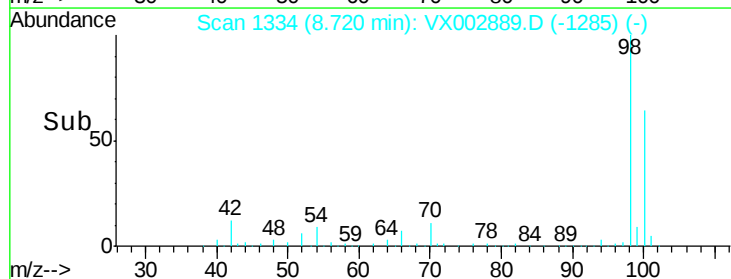
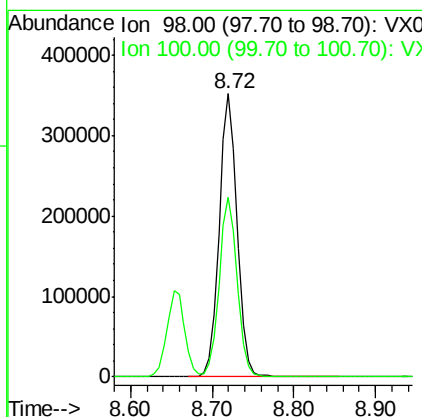
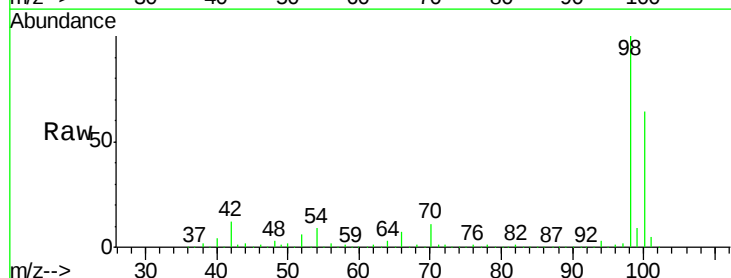
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

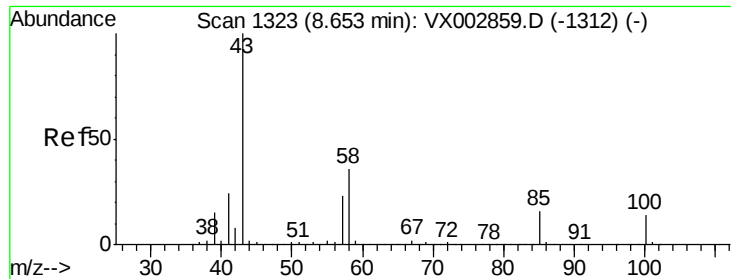
Tot Ion: 88 Resp: 70196
Ion Ratio Lower Upper
88 100
43 36.0 29.8 44.6
58 70.5 57.1 85.7



#50
Toluene-d8
Concen: 50.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 98 Resp: 539432
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 256.08 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

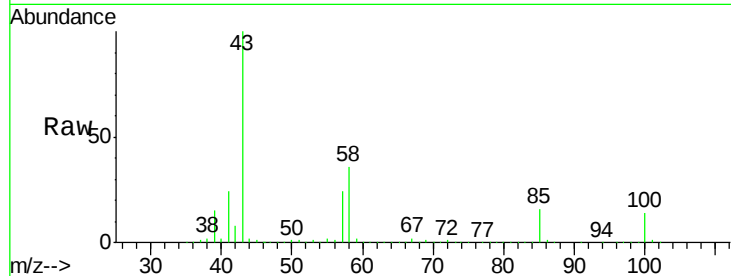
VSTDCCC050EC

Tot Ion: 43 Resp: 1180366

Ion Ratio Lower Upper

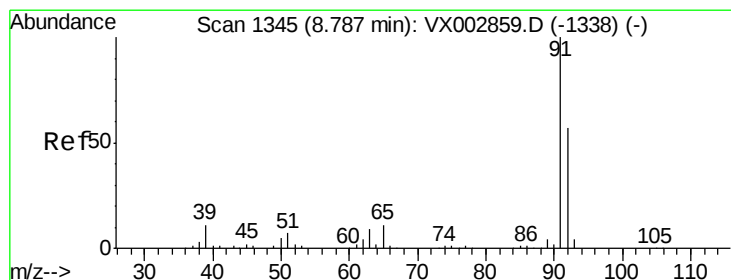
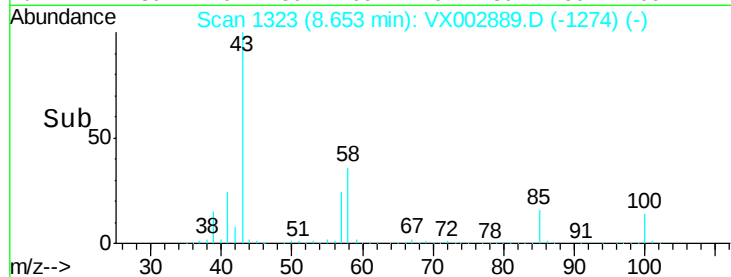
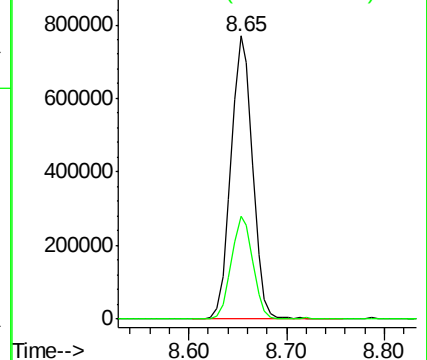
43 100

58 36.2 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: 48.91 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002889.D

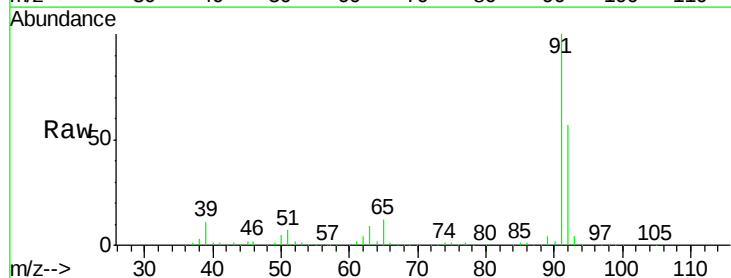
Acq: 26 Jun 2018 04:45

Tgt Ion: 92 Resp: 371433

Ion Ratio Lower Upper

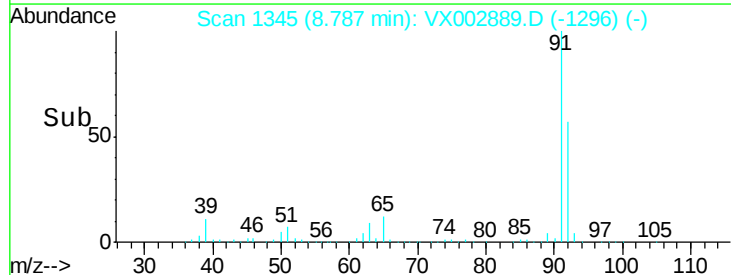
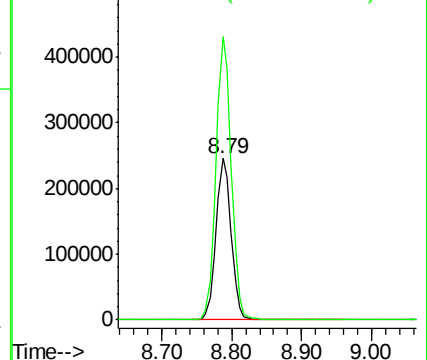
92 100

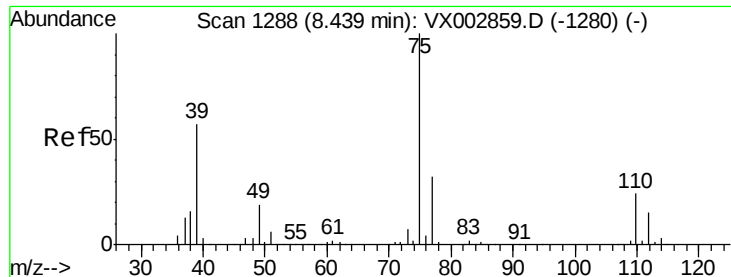
91 175.9 140.4 210.6



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: 49.18 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

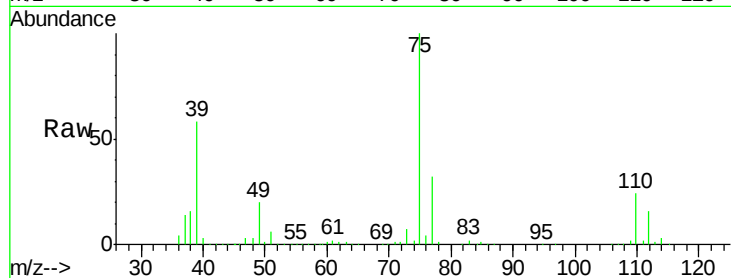
VSTDCCC050EC

Tot Ion: 75 Resp: 224686

Ion Ratio Lower Upper

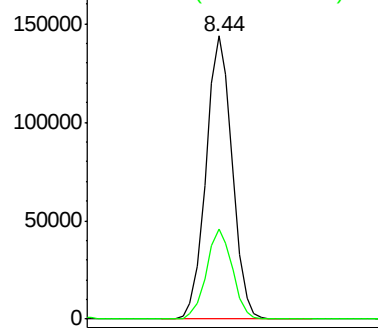
75 100

77 31.9 25.4 38.2

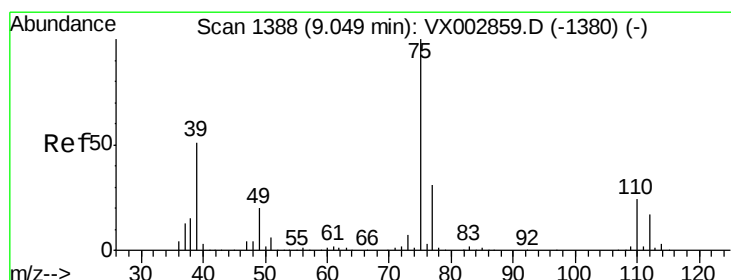
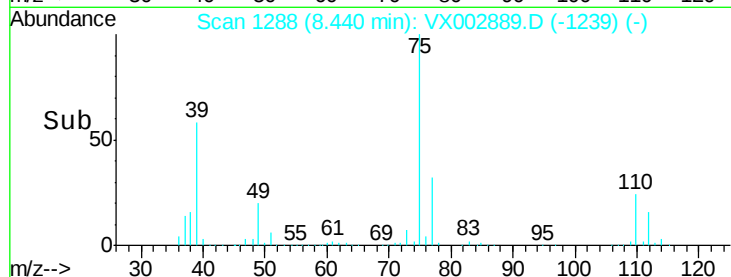


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.37 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

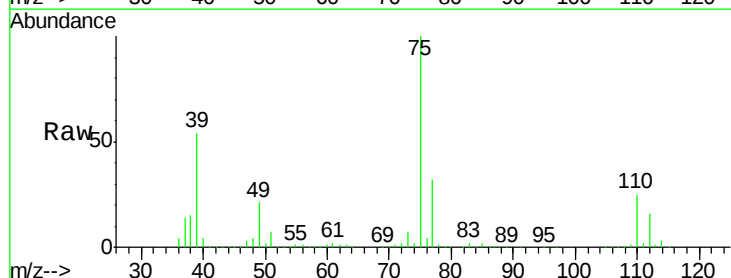
Tgt Ion: 75 Resp: 208265

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

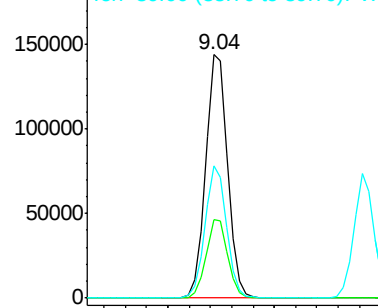
39 54.1 42.4 63.6



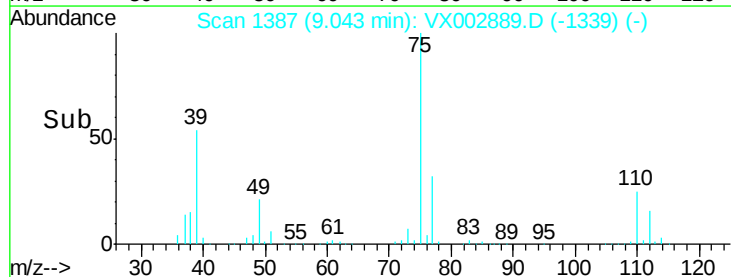
Abundance Ion 74.90 (74.60 to 75.60): VX0

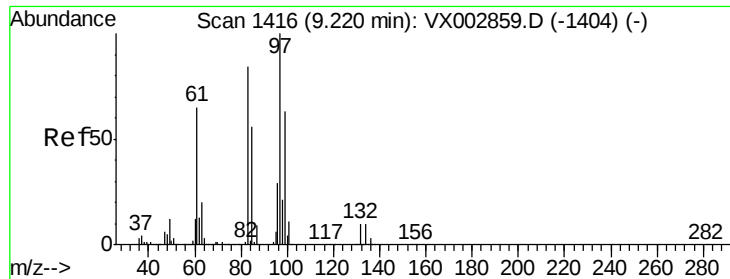
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

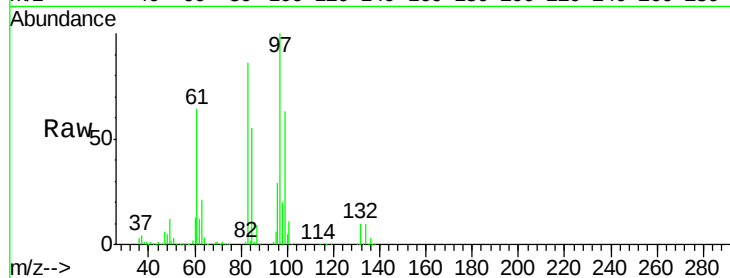




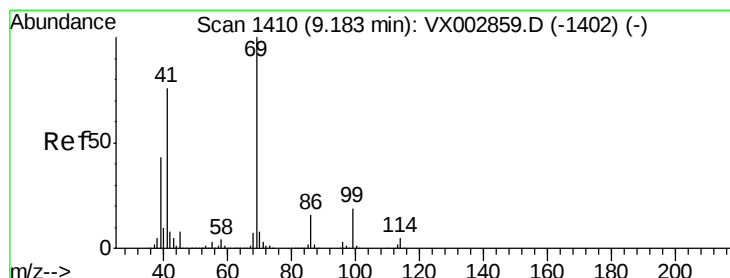
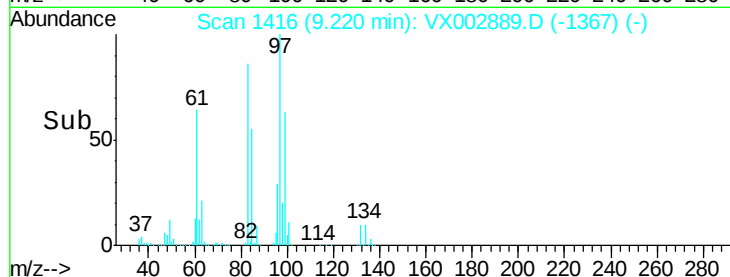
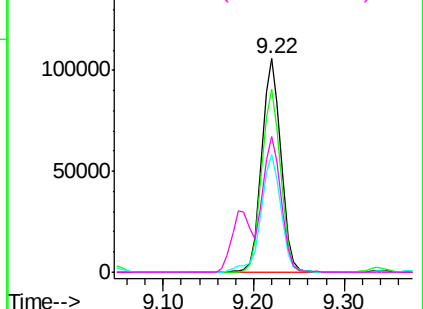
#55
 1,1,2-Trichloroethane
 Concen: 49.57 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 154674
 Ion Ratio Lower Upper
 97 100
 83 85.9 70.2 105.2
 85 55.1 44.9 67.3
 99 63.2 49.8 74.8

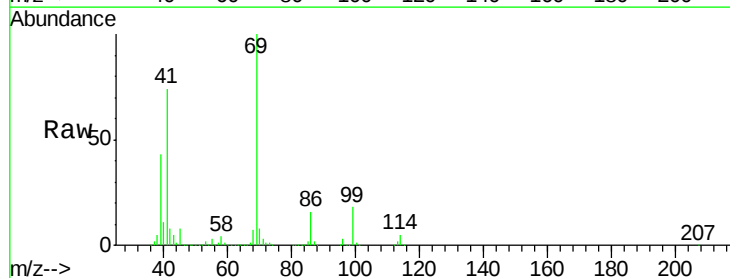


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

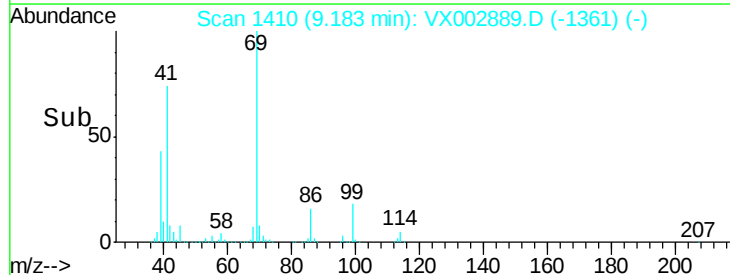
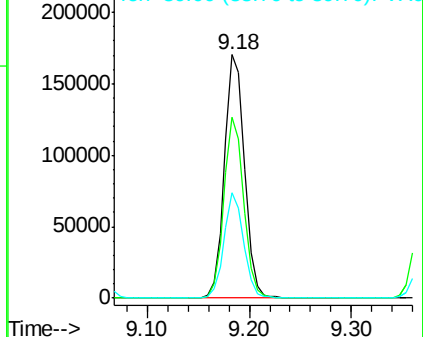


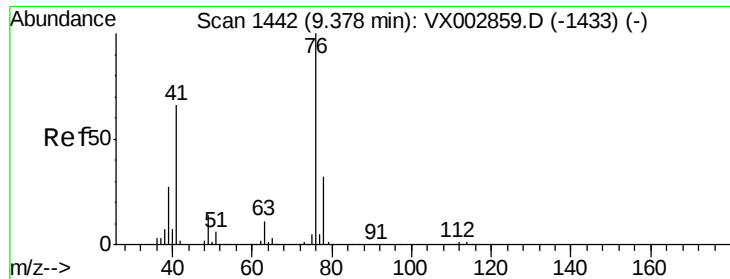
#56
 Ethyl methacrylate
 Concen: 50.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 69 Resp: 232389
 Ion Ratio Lower Upper
 69 100
 41 73.4 60.3 90.5
 39 42.1 35.8 53.8



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

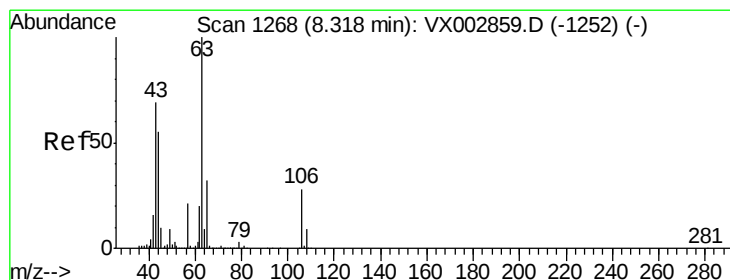
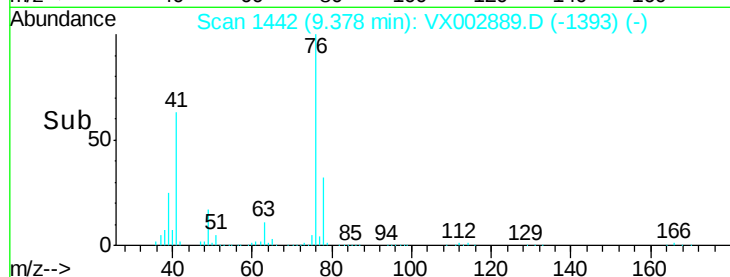
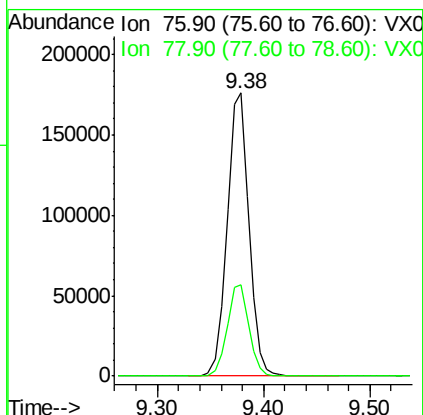
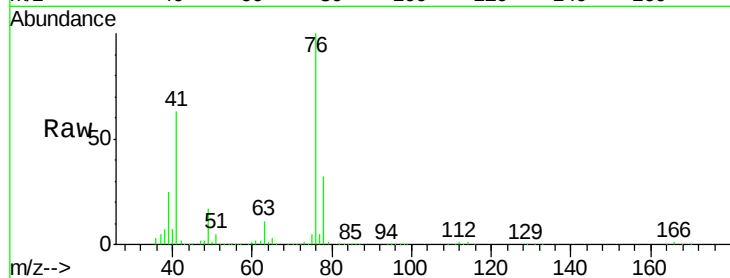




#57
 1,3-Dichloropropane
 Concen: 49.24 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

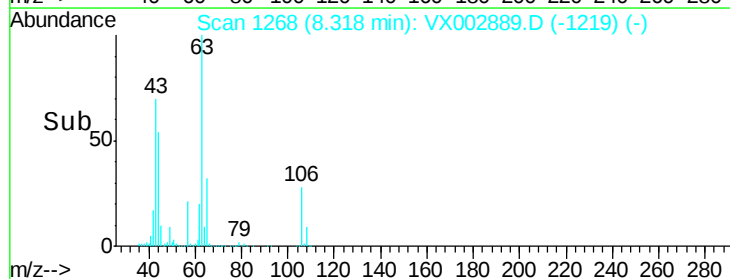
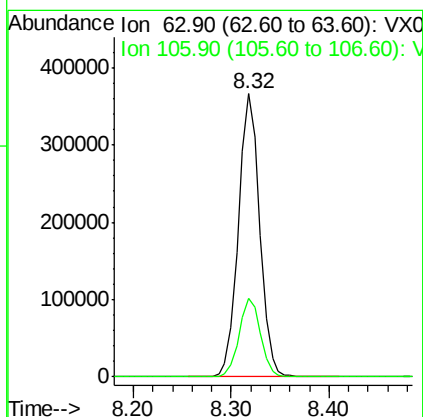
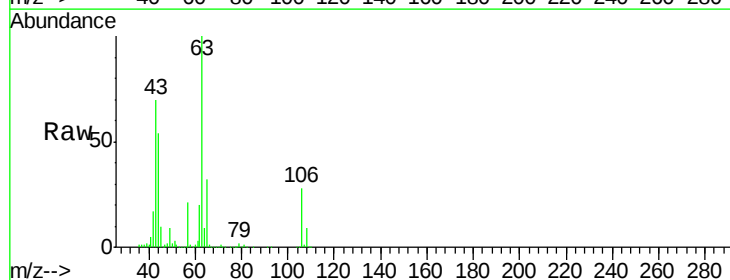
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 252358
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.98 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 63 Resp: 552221
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.8 32.8

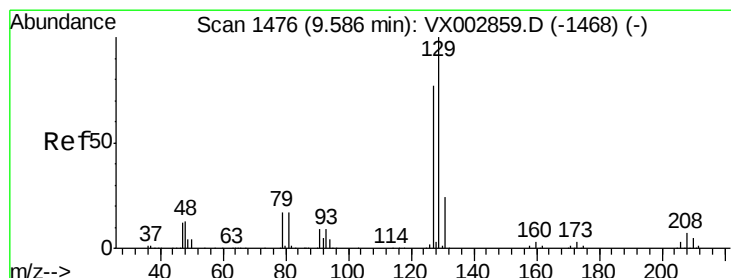
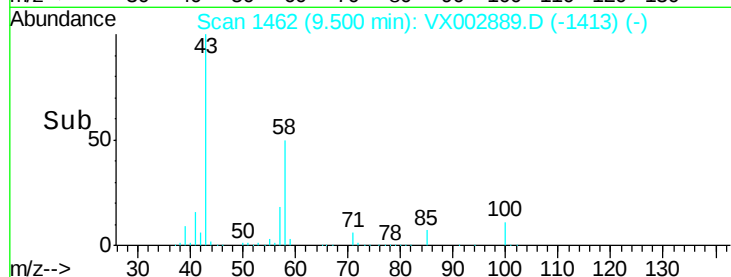
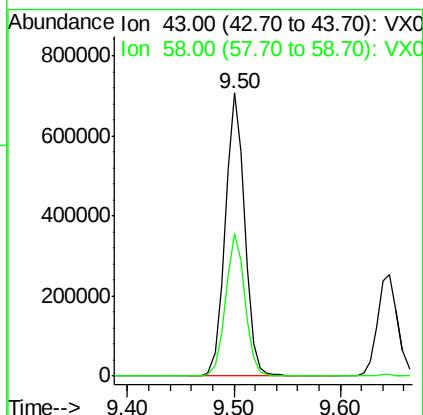
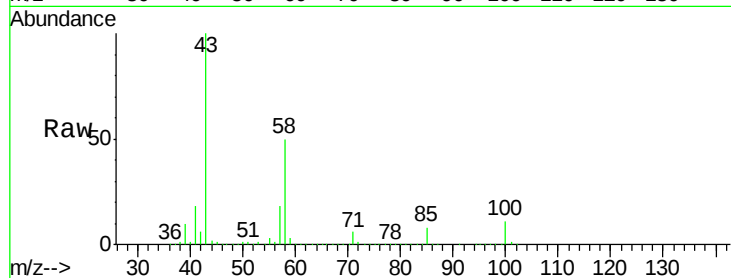




#59
2-Hexanone
Concen: 258.39 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

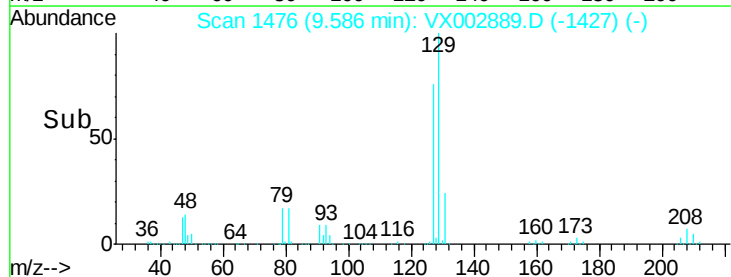
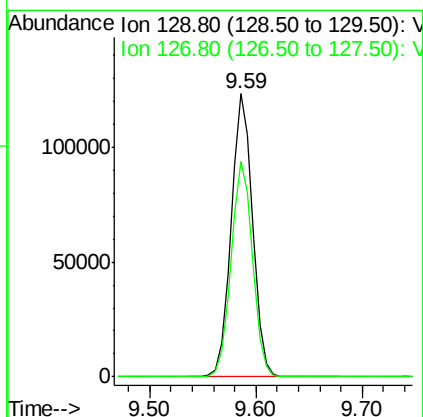
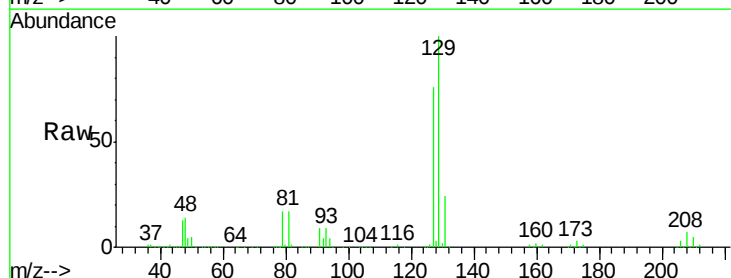
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

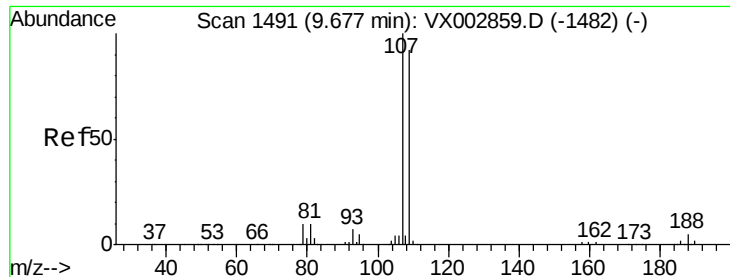
Tot Ion: 43 Resp: 905195
Ion Ratio Lower Upper
43 100
58 50.2 24.6 73.6



#60
Dibromochloromethane
Concen: 52.75 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 129 Resp: 173290
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.09 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

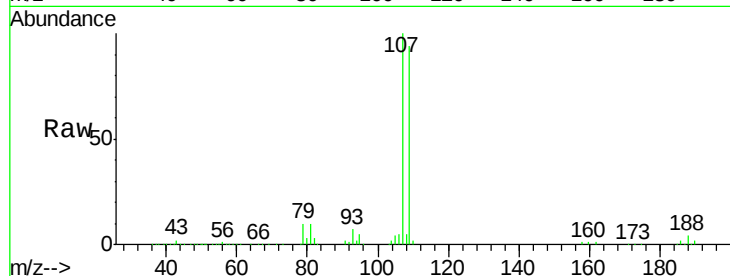
VSTDCCC050EC

Tot Ion:107 Resp: 163949

Ion Ratio Lower Upper

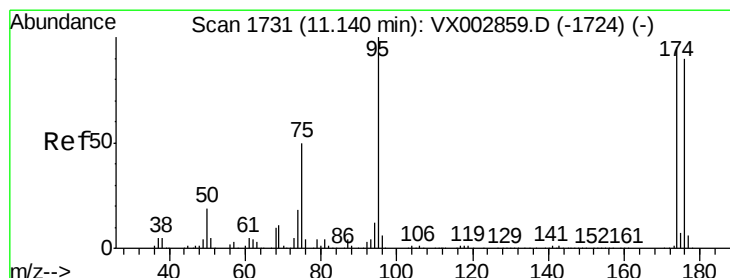
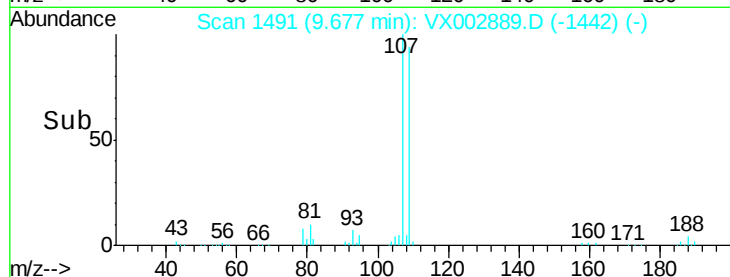
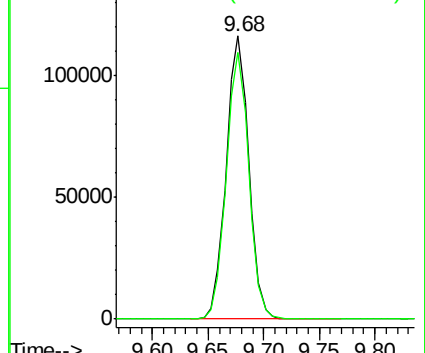
107 100

109 93.9 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

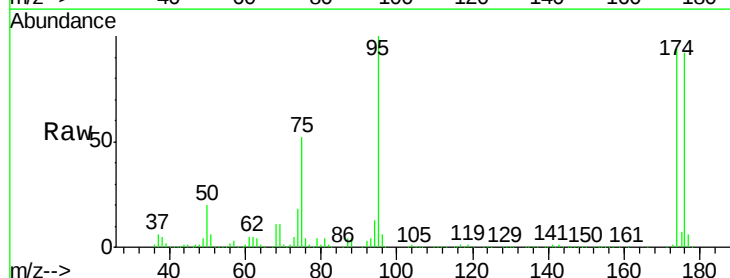
Tgt Ion: 95 Resp: 207518

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

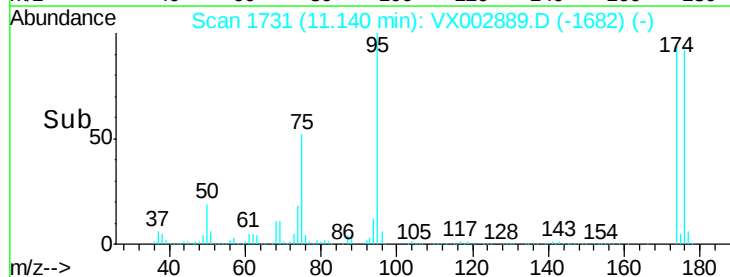
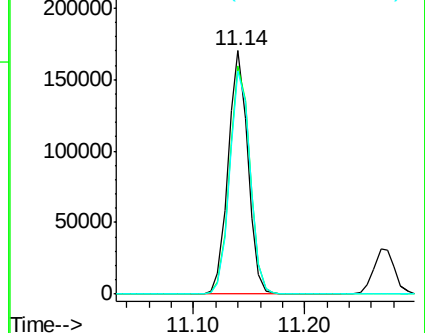
176 95.2 0.0 181.0

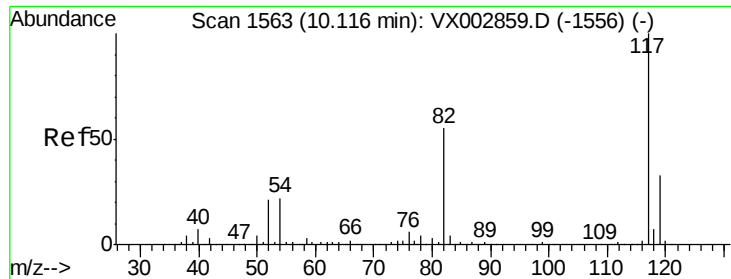


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

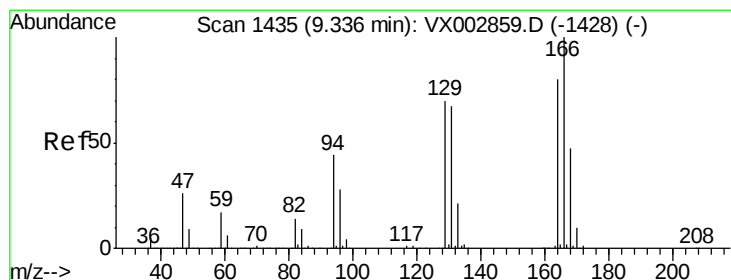
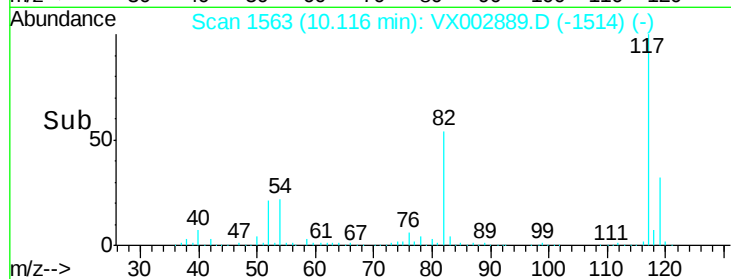
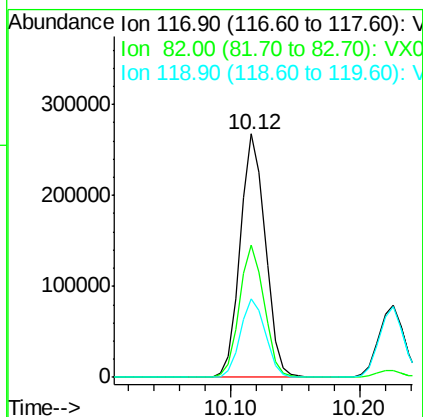
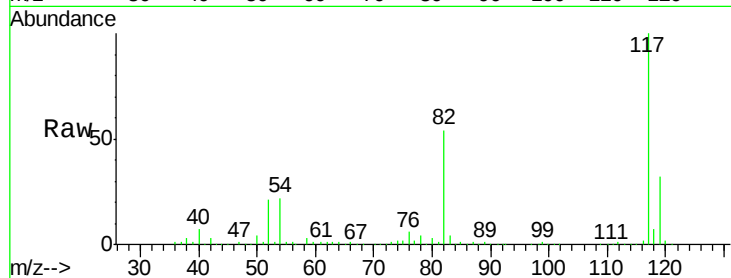




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

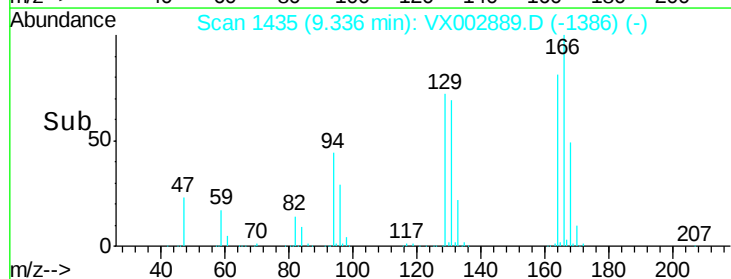
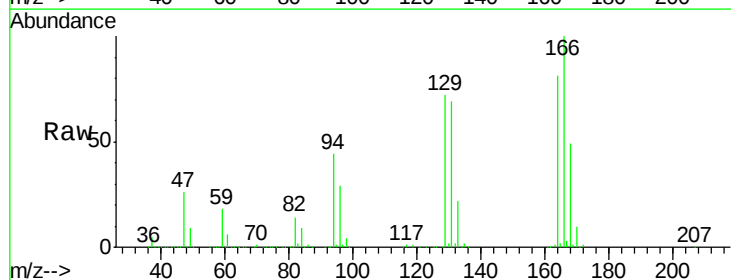
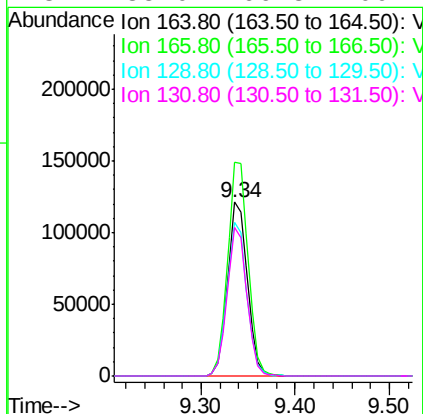
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 360578
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 44.23 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion:164 Resp: 177353
Ion Ratio Lower Upper
164 100
166 122.8 102.9 154.3
129 88.2 68.6 102.8
131 85.0 66.8 100.2





#65

Chlorobenzene

Concen: 46.92 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

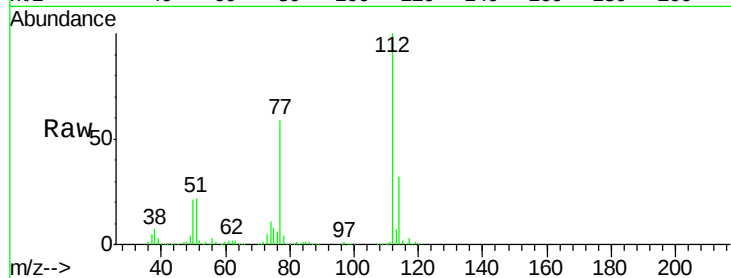
VSTDCCC050EC

Tot Ion:112 Resp: 429733

Ion Ratio Lower Upper

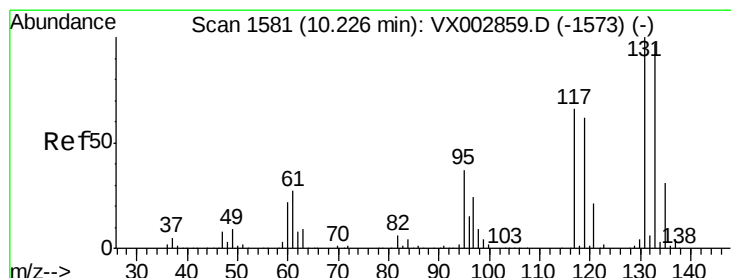
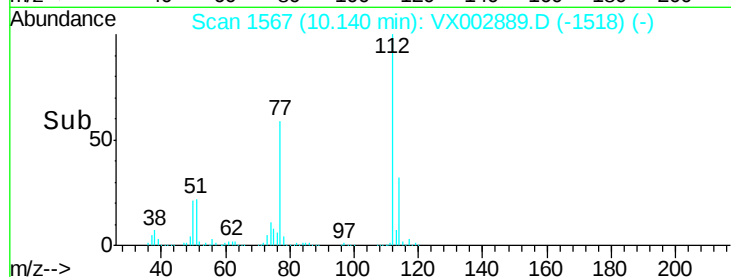
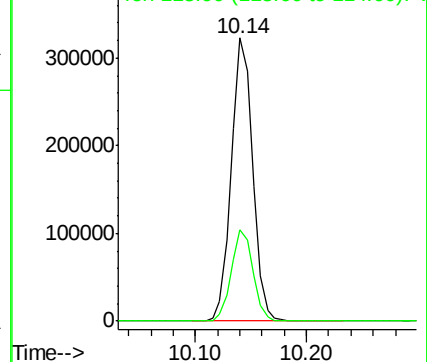
112 100

114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.19 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

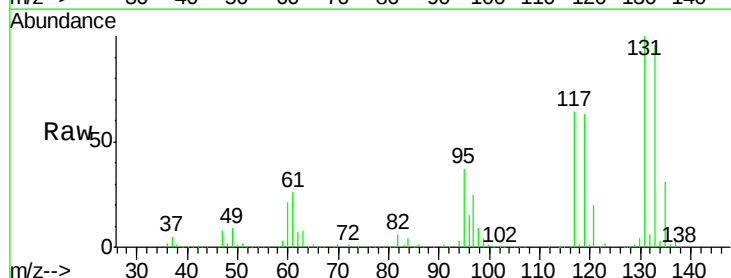
Tgt Ion:131 Resp: 163644

Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.6

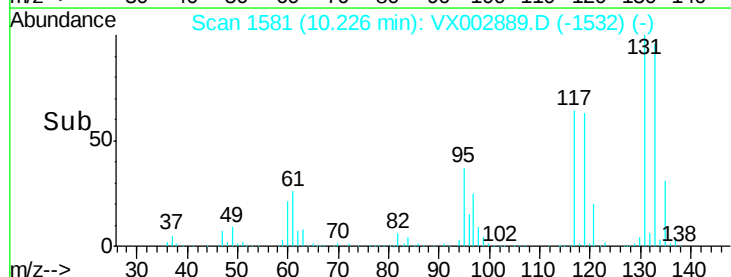
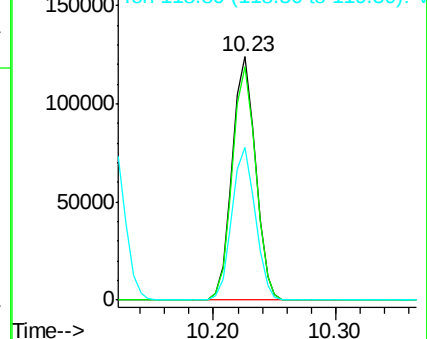
119 62.6 31.8 95.3

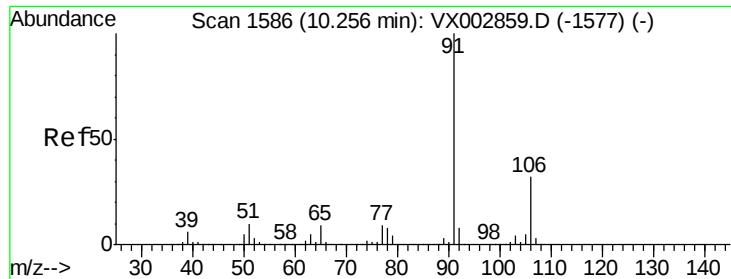


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.92 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

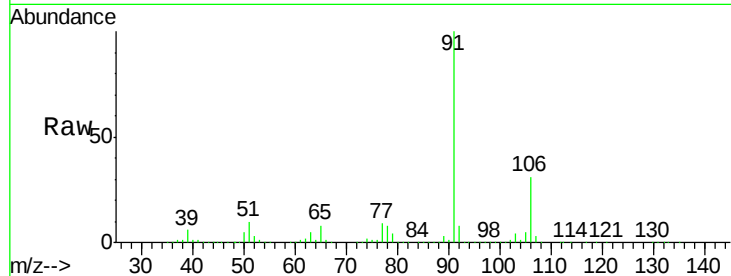
VSTDCCC050EC

Tot Ion: 91 Resp: 740120

Ion Ratio Lower Upper

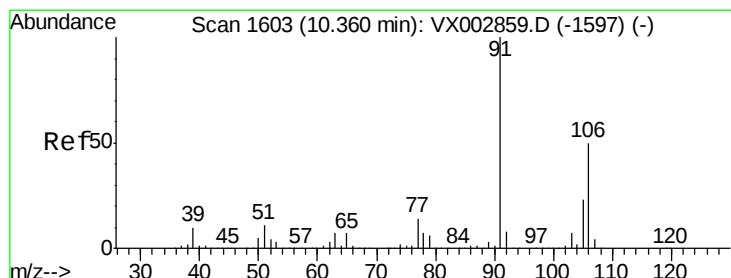
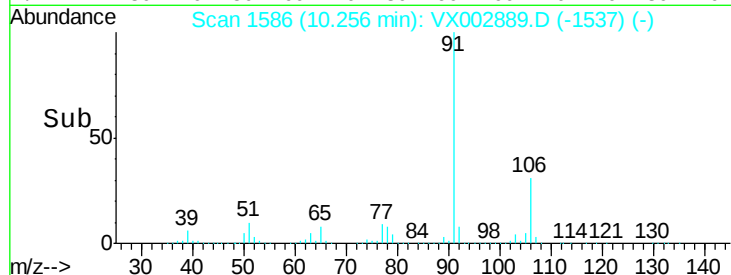
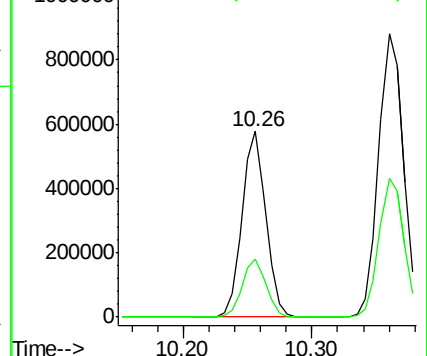
91 100

106 31.5 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: 98.54 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX002889.D

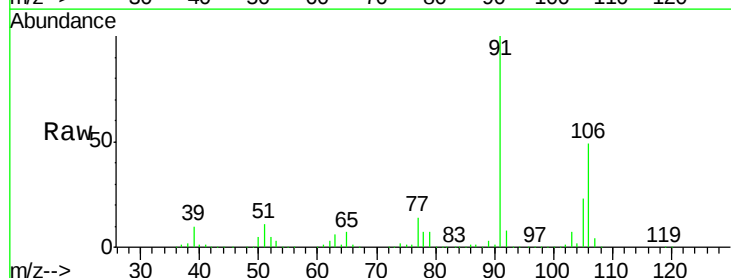
Acq: 26 Jun 2018 04:45

Tgt Ion: 106 Resp: 574567

Ion Ratio Lower Upper

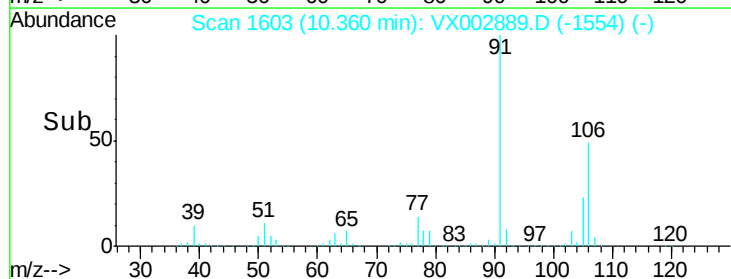
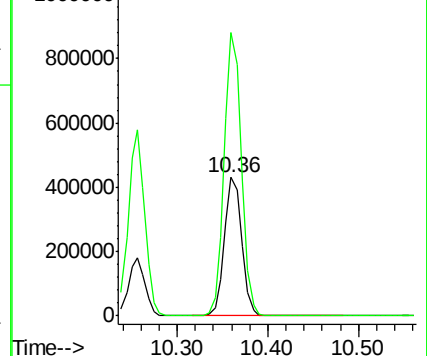
106 100

91 203.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

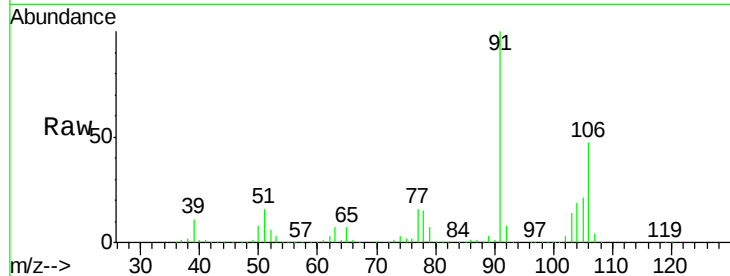




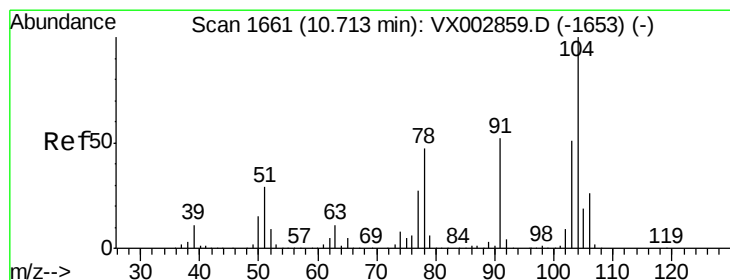
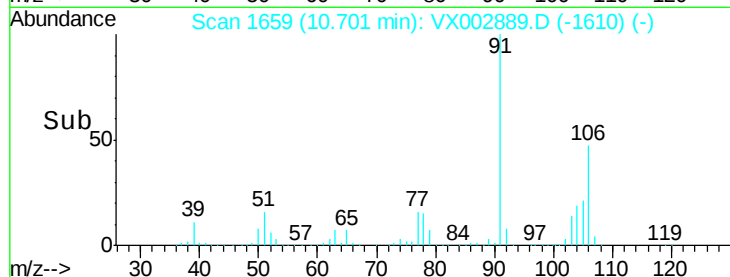
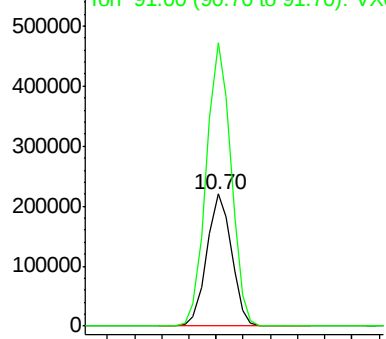
#69
o-Xylene
Concen: 49.34 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 280106
Ion Ratio Lower Upper
106 100
91 214.2 108.2 324.6

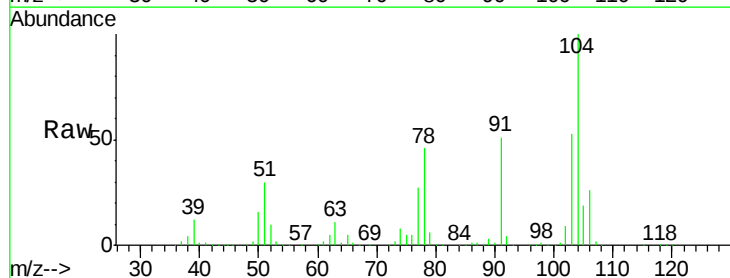


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

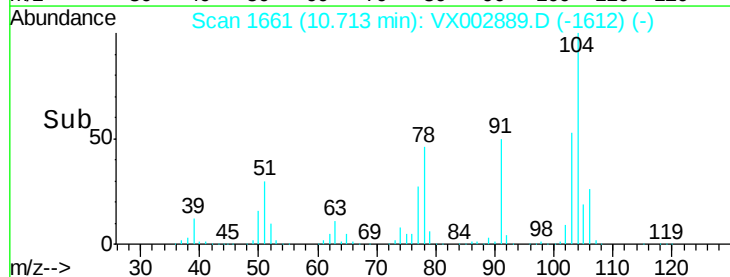
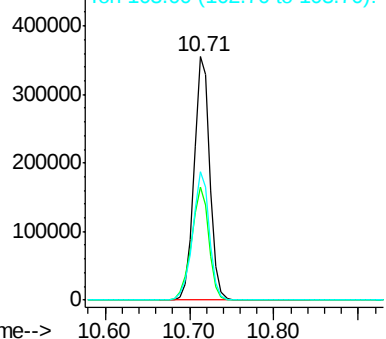


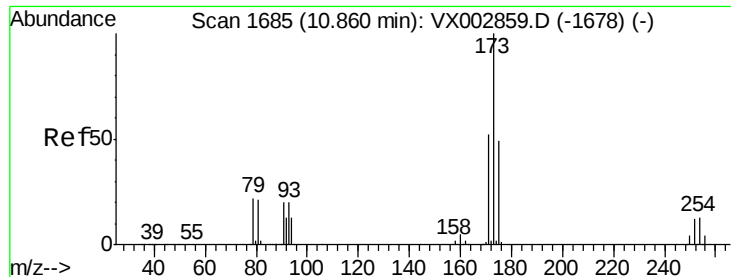
#70
Styrene
Concen: 49.79 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion:104 Resp: 459325
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 56.5 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

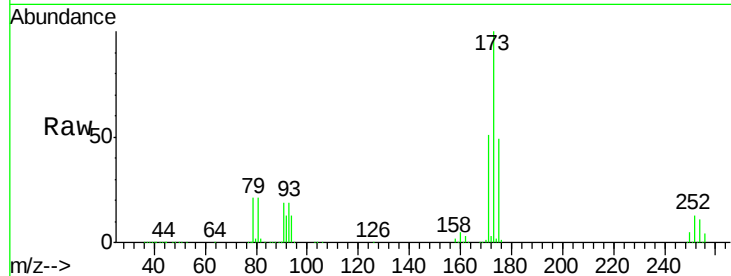




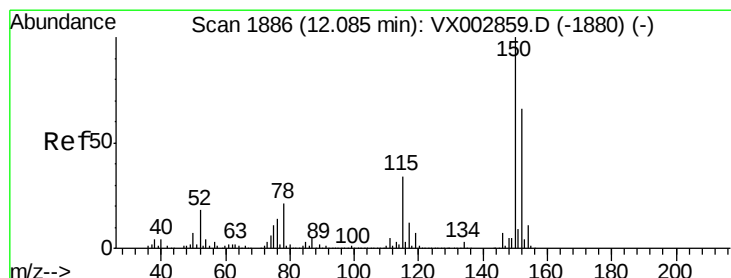
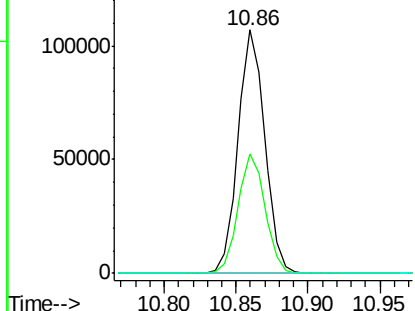
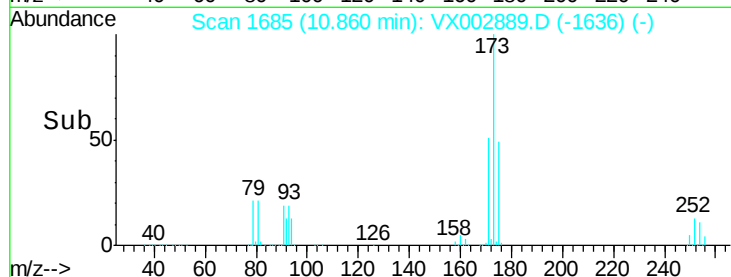
#71
Bromoform
Concen: 46.40 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 138562
Ion Ratio Lower Upper
173 100
175 49.5 24.7 74.1
254 0.2 0.2 0.2

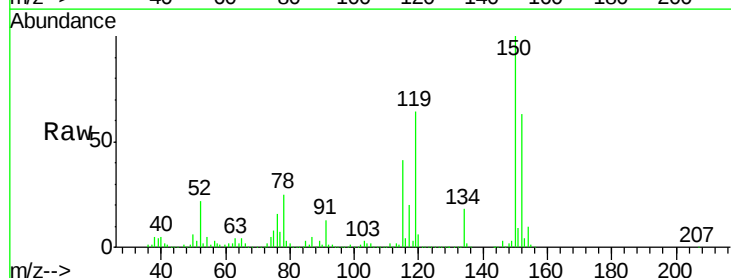


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

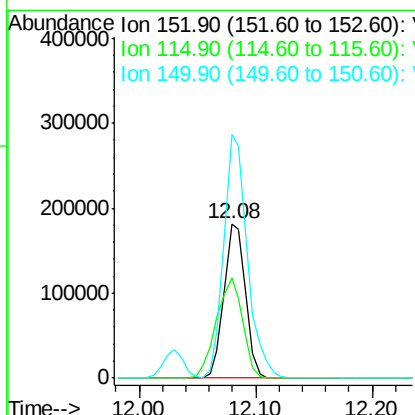
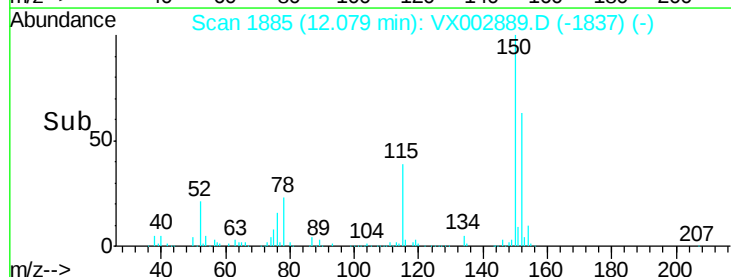


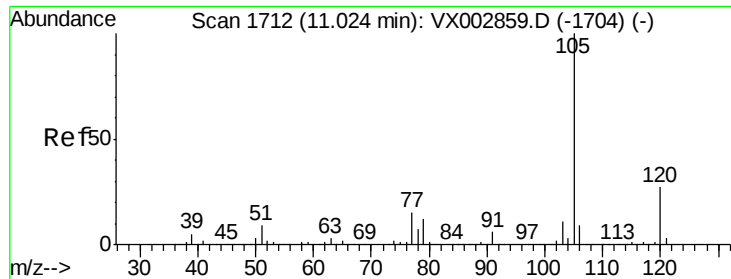
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion:152 Resp: 231374
Ion Ratio Lower Upper
152 100
115 78.5 40.1 120.2
150 172.7 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

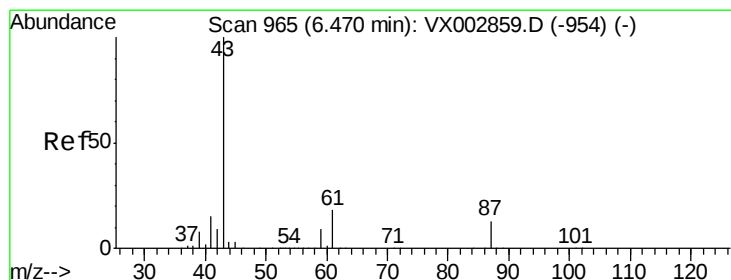
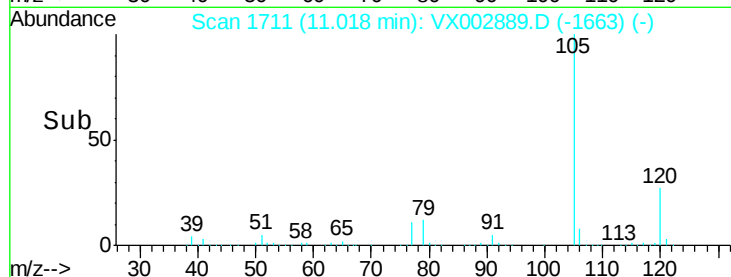
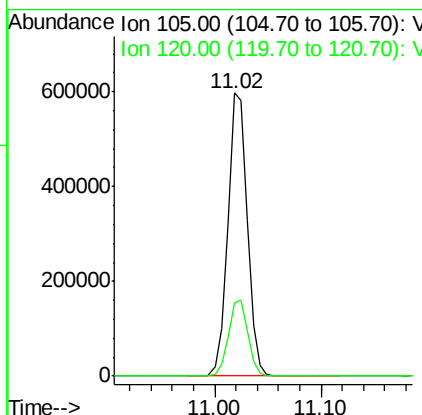
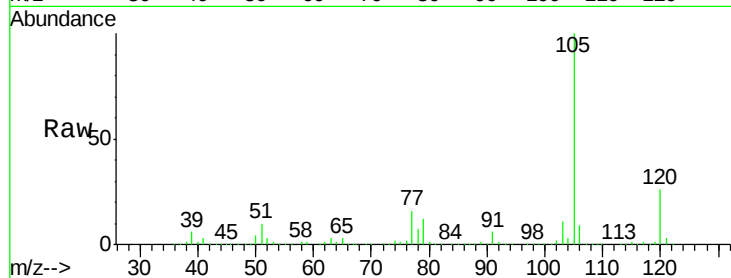




#73
Isopropylbenzene
Concen: 49.20 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

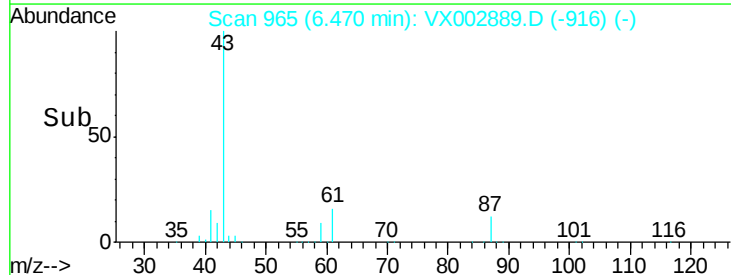
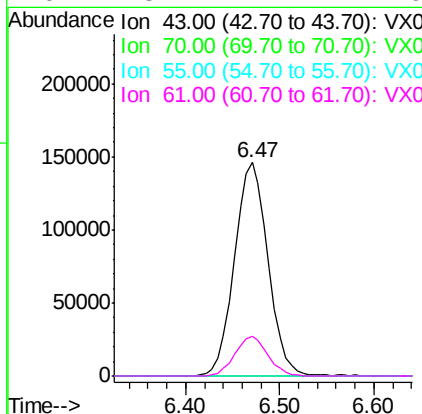
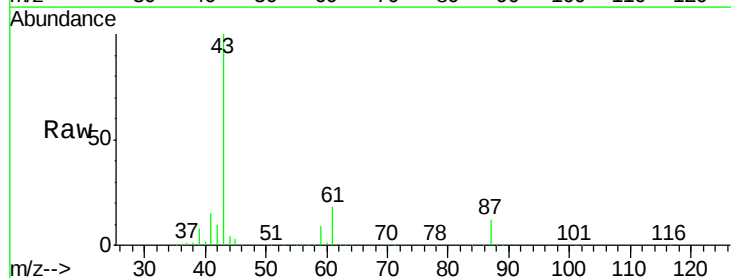
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

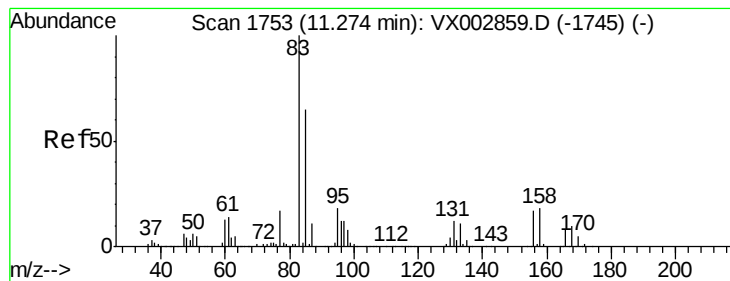
Tot Ion:105 Resp: 765764
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#74
N-ethyl acetate
Concen: 47.34 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX002889.D
Acq: 26 Jun 2018 04:45

Tgt Ion: 43 Resp: 360503
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0#
55 0.1 0.0 0.0#
61 18.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.60 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

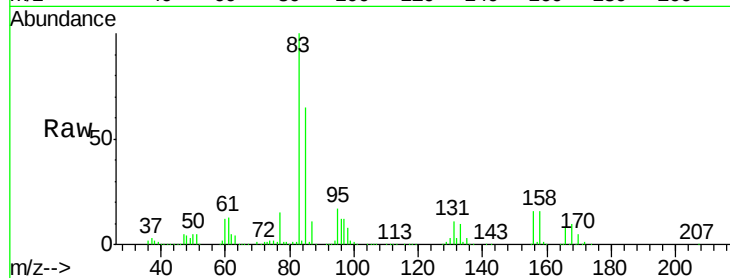
Tot Ion: 83 Resp: 242625

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

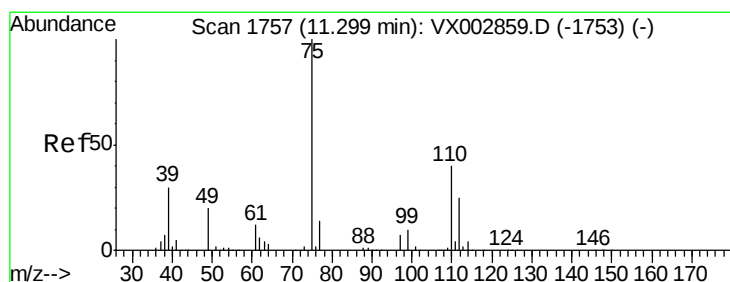
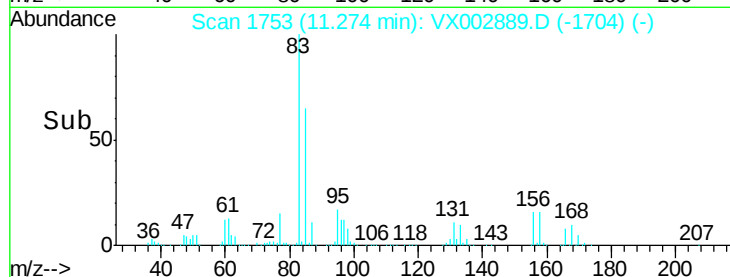
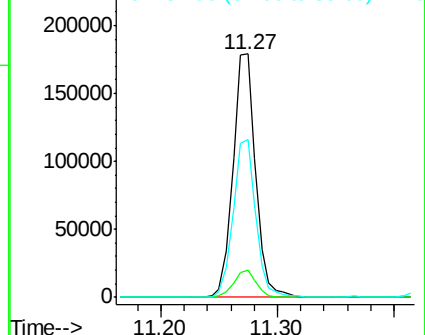
85 64.8 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 60.77 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002889.D

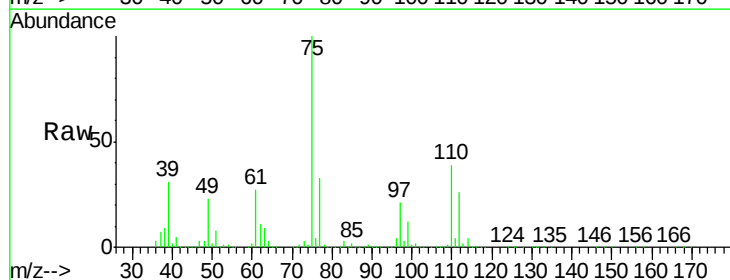
Acq: 26 Jun 2018 04:45

Tgt Ion: 75 Resp: 254669

Ion Ratio Lower Upper

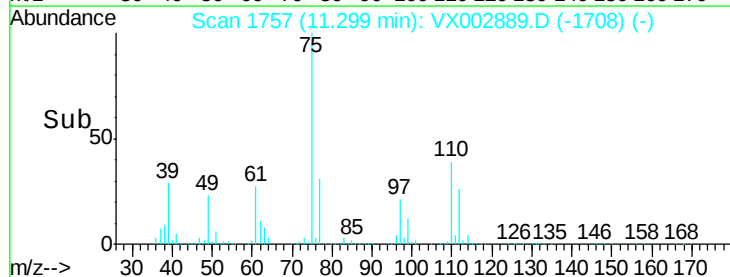
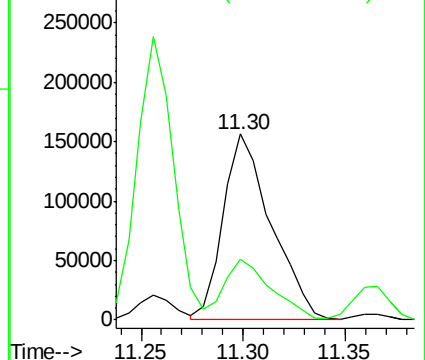
75 100

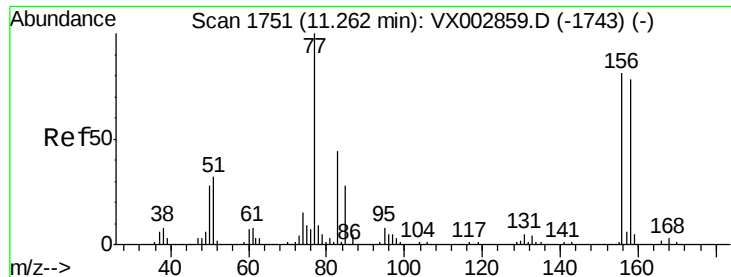
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.72 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

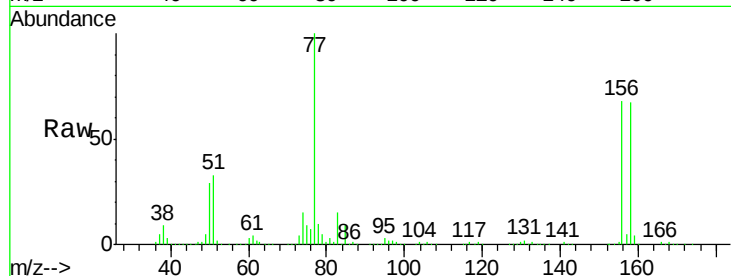
Tot Ion:156 Resp: 211531

Ion Ratio Lower Upper

156 100

77 139.6 71.4 214.2

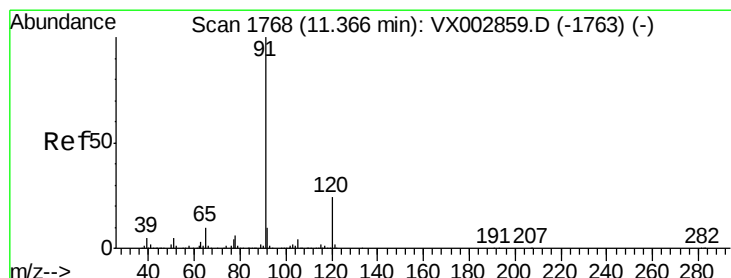
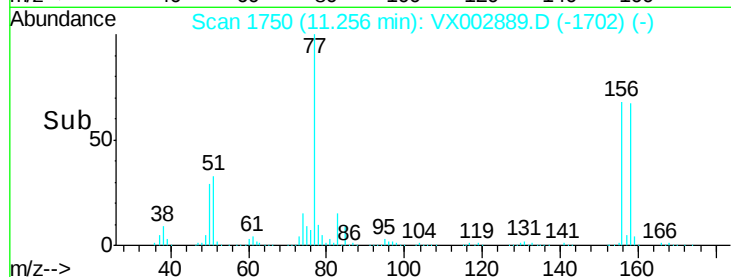
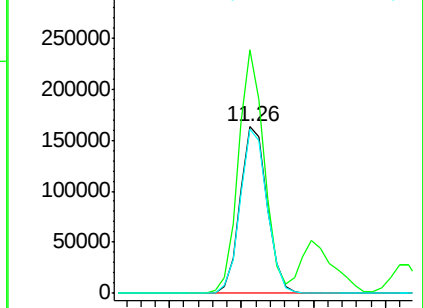
158 98.1 48.9 146.6



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: 49.41 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002889.D

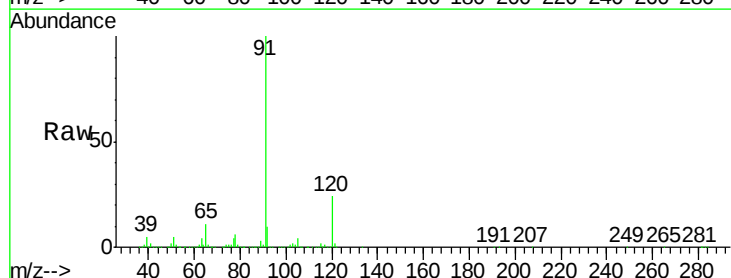
Acq: 26 Jun 2018 04:45

Tgt Ion: 91 Resp: 875434

Ion Ratio Lower Upper

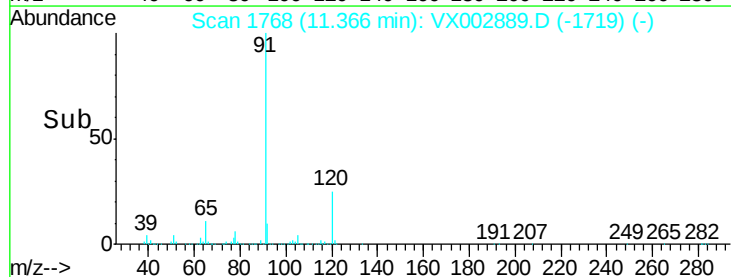
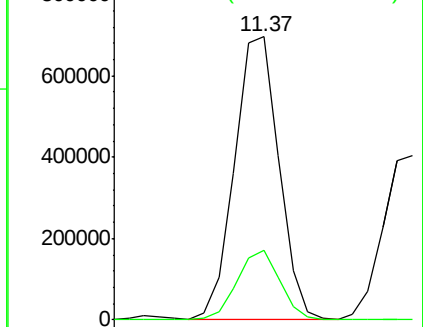
91 100

120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

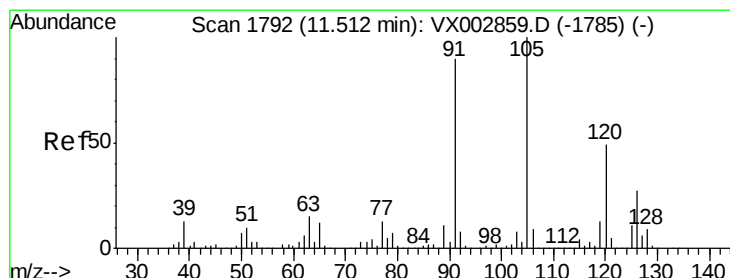
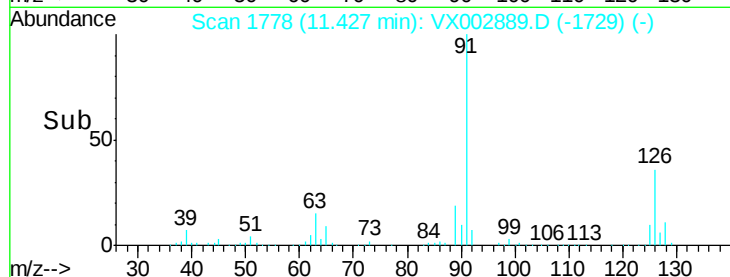
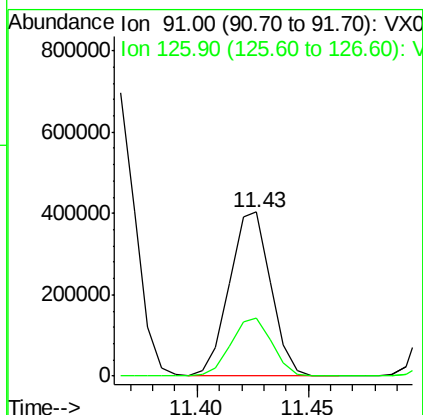
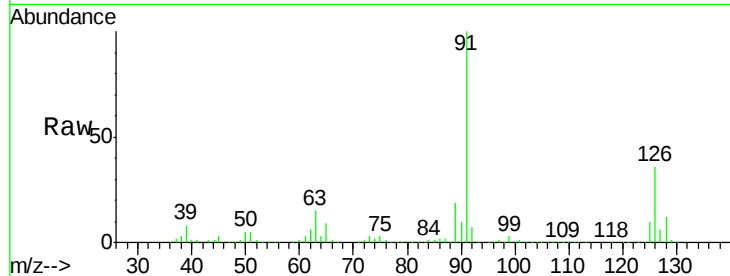




#79
 2-Chlorotoluene
 Concen: 48.56 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

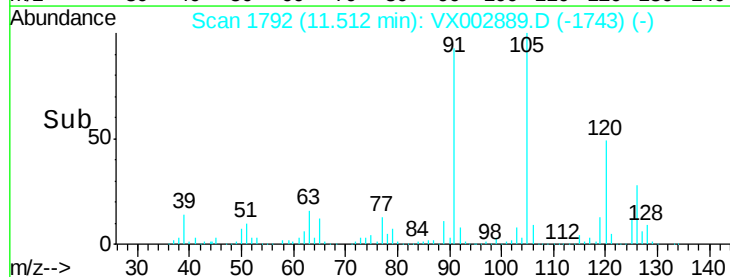
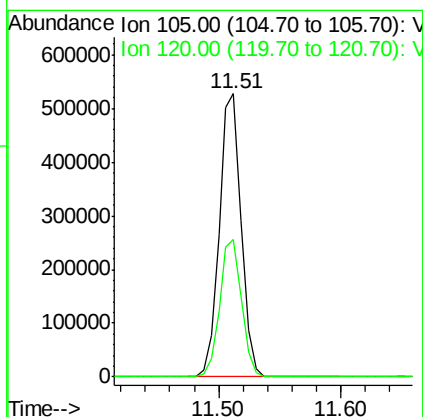
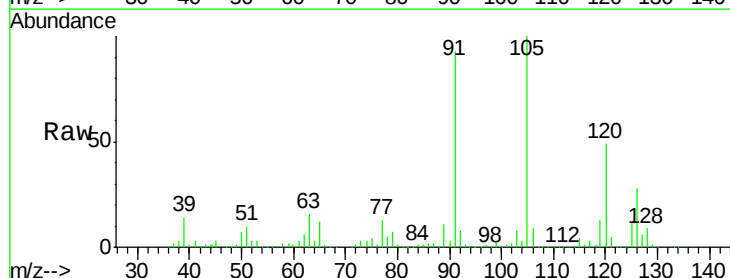
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

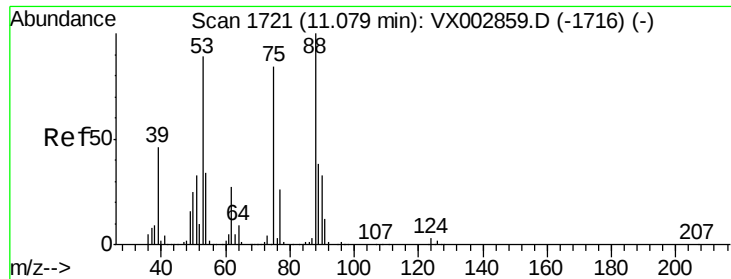
Tot Ion: 91 Resp: 520902
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.68 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 105 Resp: 651329
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 36.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

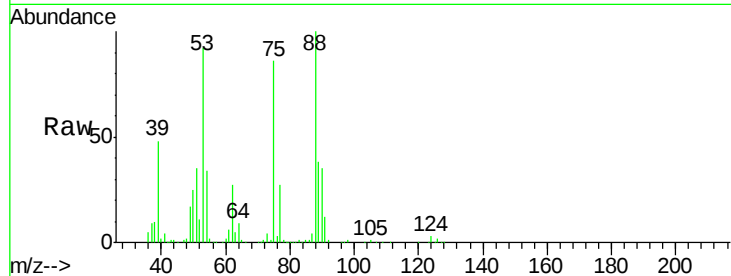
Tot Ion: 75 Resp: 51202

Ion Ratio Lower Upper

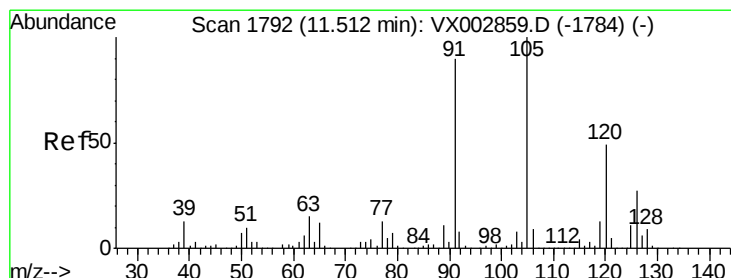
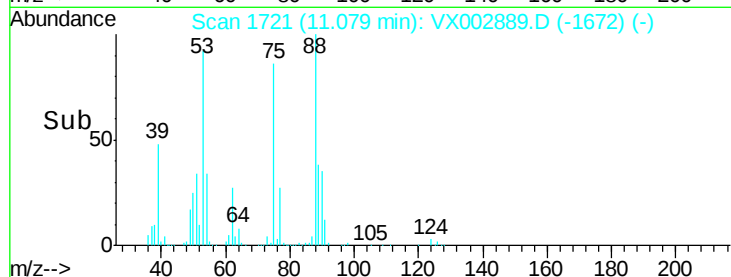
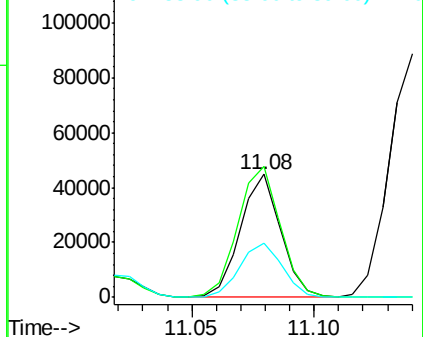
75 100

53 112.6 86.8 130.2

89 47.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002889.D

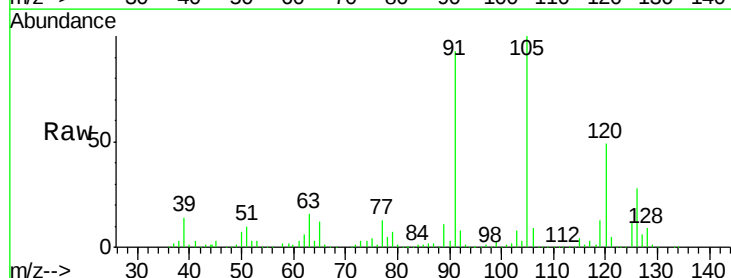
Acq: 26 Jun 2018 04:45

Tgt Ion: 91 Resp: 614394

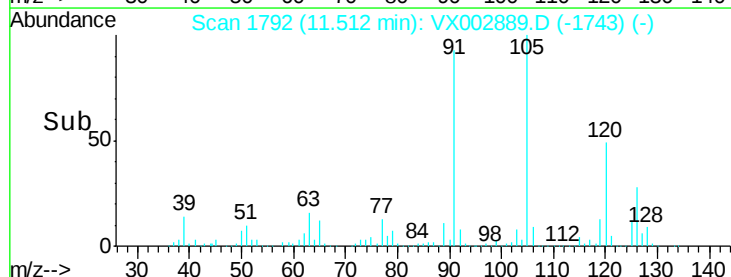
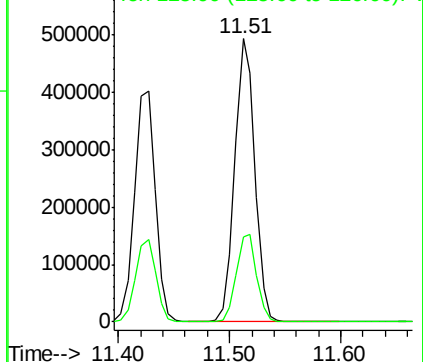
Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

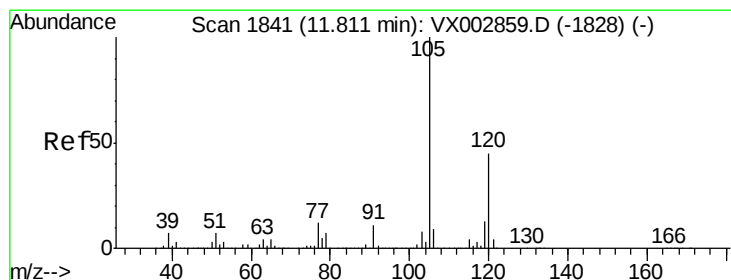
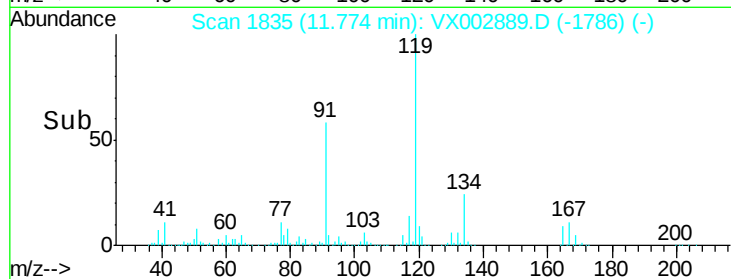
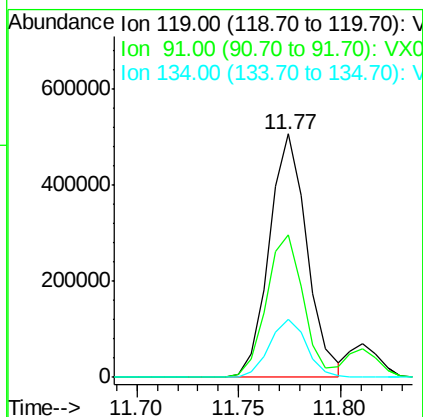
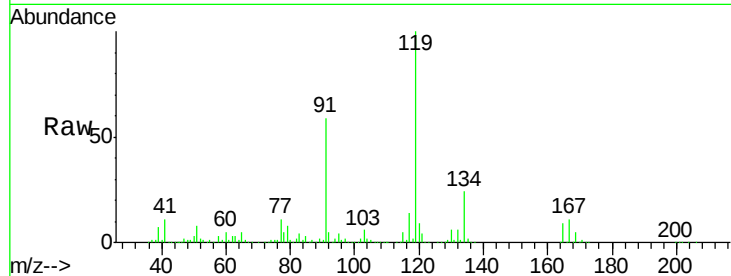




#83
 tert-Butylbenzene
 Concen: 50.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

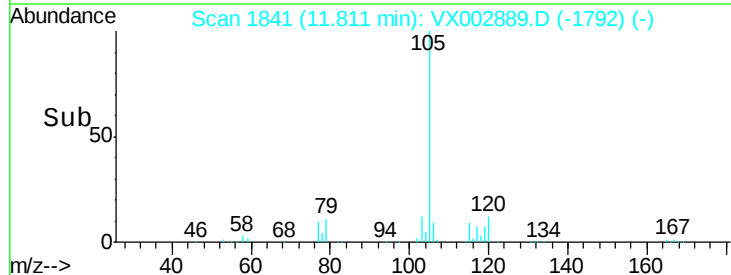
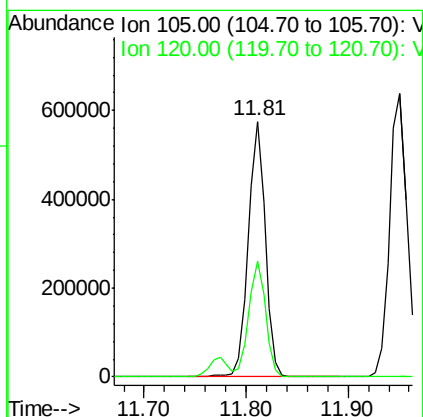
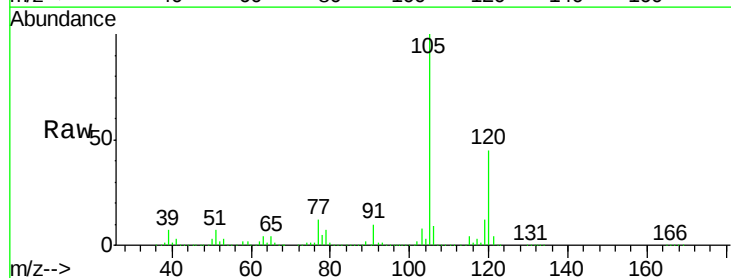
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

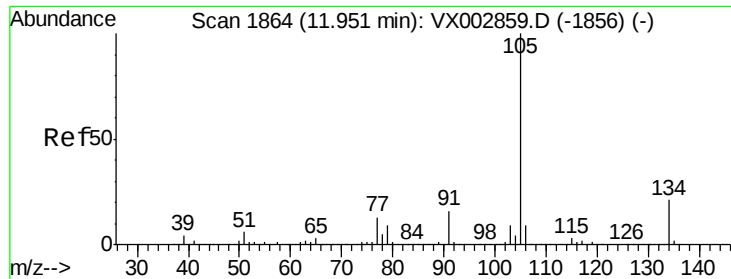
Tot Ion:119 Resp: 653087
 Ion Ratio Lower Upper
 119 100
 91 56.9 30.3 90.9
 134 23.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.18 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion:105 Resp: 668074
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

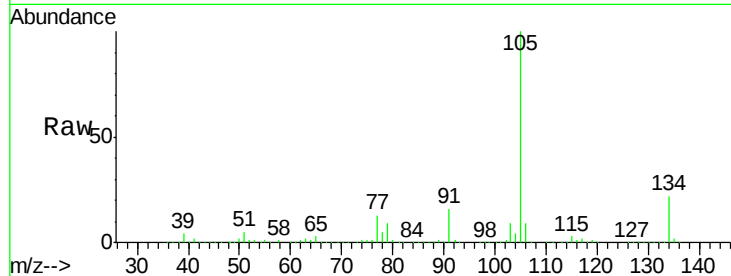
VSTDCCC050EC

Tot Ion:105 Resp: 768116

Ion Ratio Lower Upper

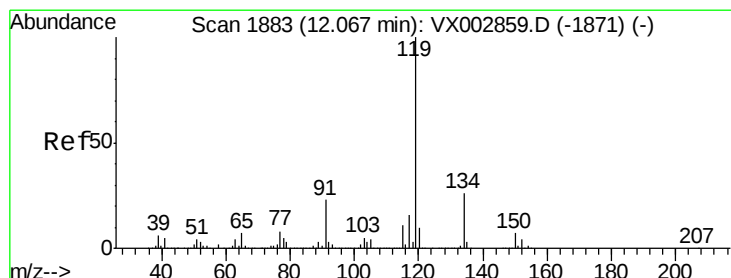
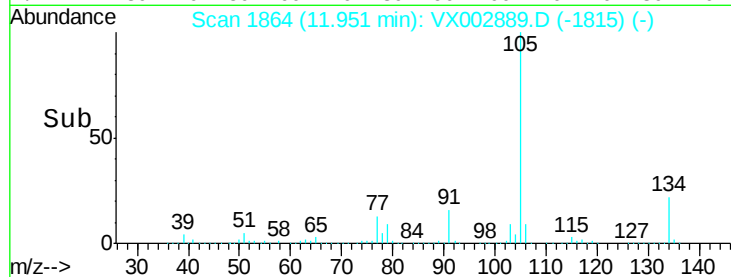
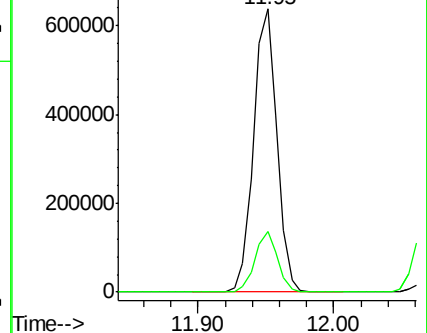
105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.51 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

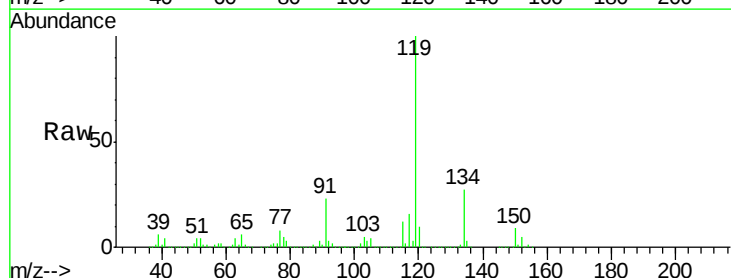
Tgt Ion:119 Resp: 697601

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

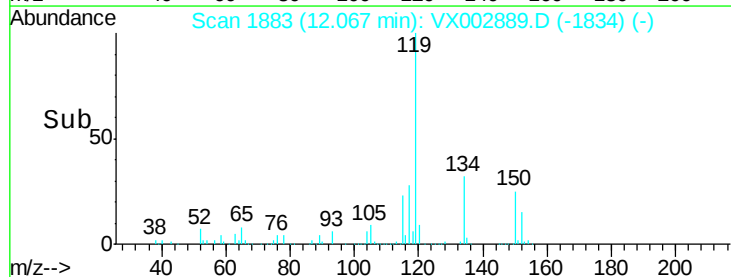
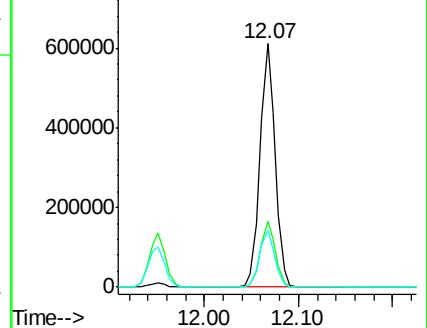
91 23.4 11.9 35.7

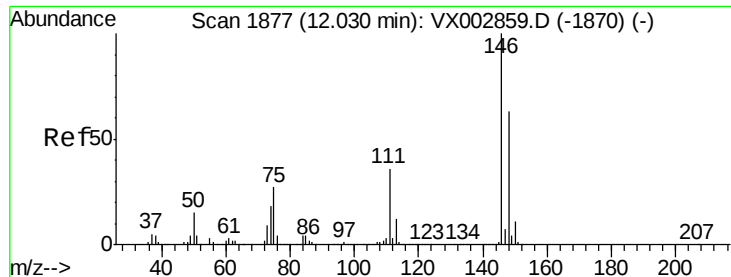


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.64 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

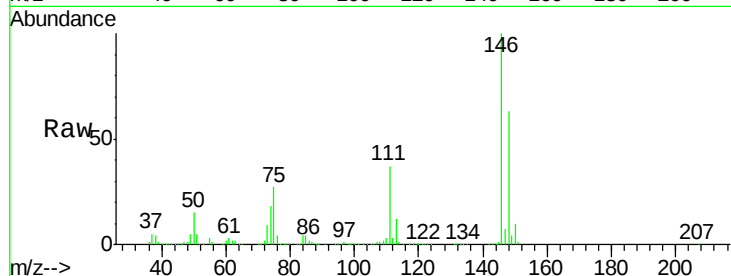
Tot Ion:146 Resp: 385656

Ion Ratio Lower Upper

146 100

111 37.2 18.9 56.7

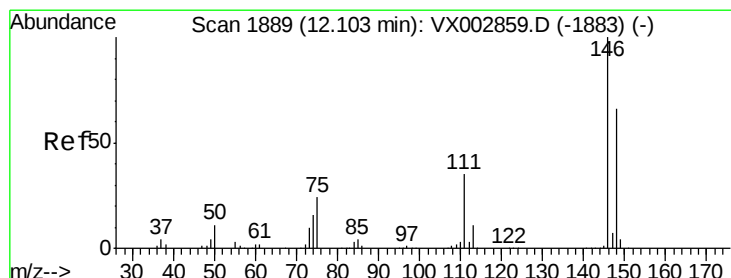
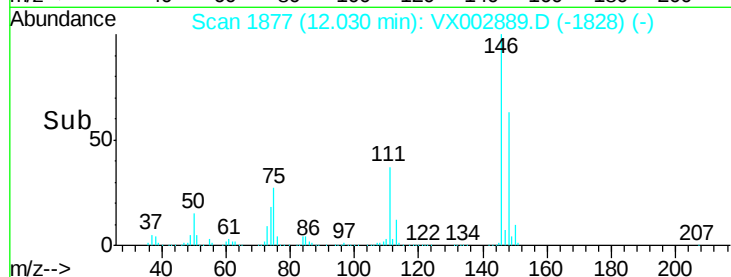
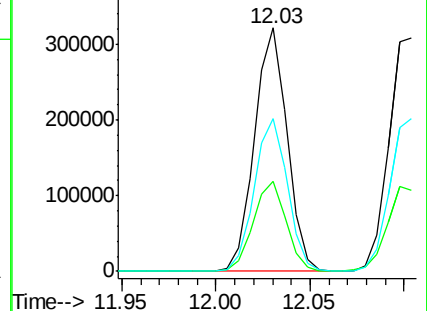
148 63.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.30 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

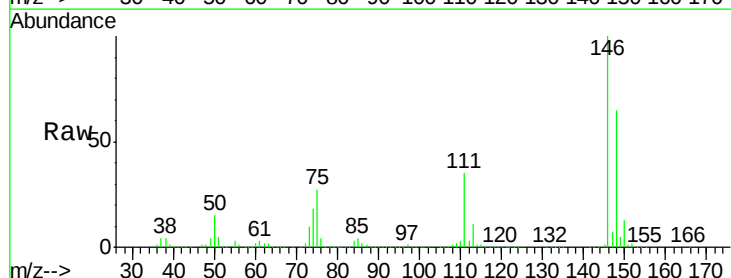
Tgt Ion:146 Resp: 394047

Ion Ratio Lower Upper

146 100

111 36.4 18.7 56.1

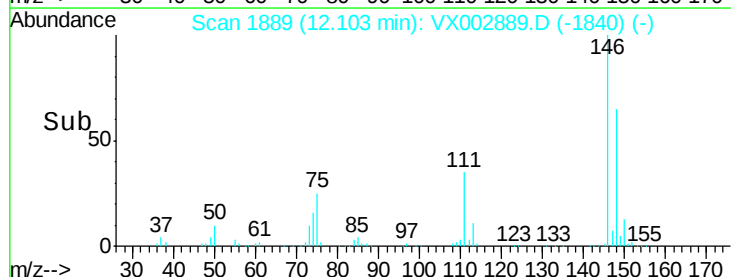
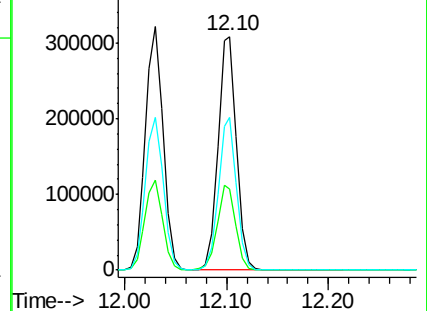
148 64.0 32.4 97.0

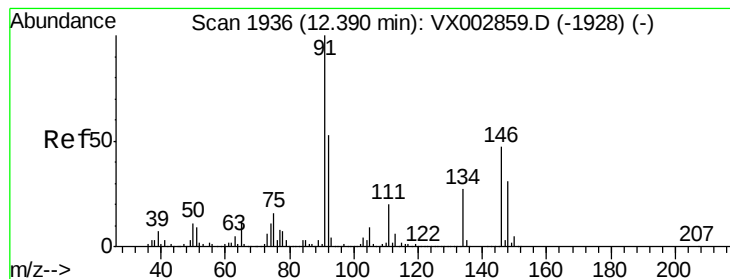


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.31 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

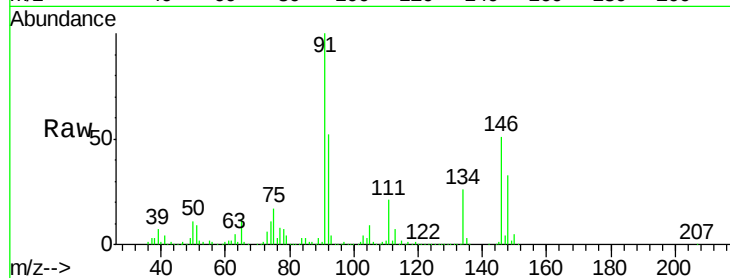
Tot Ion: 91 Resp: 592557

Ion Ratio Lower Upper

91 100

92 52.4 26.0 78.0

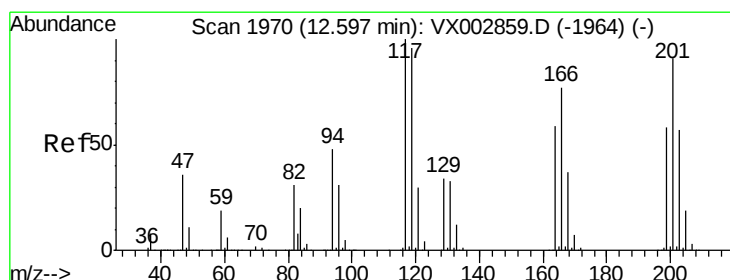
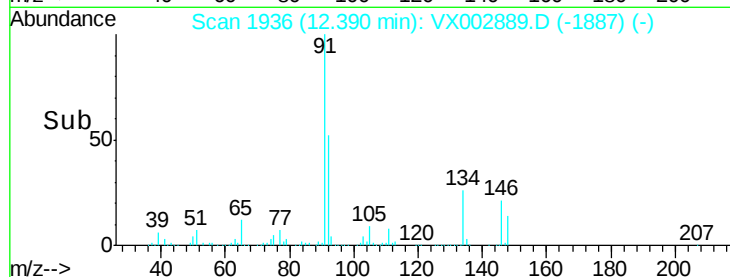
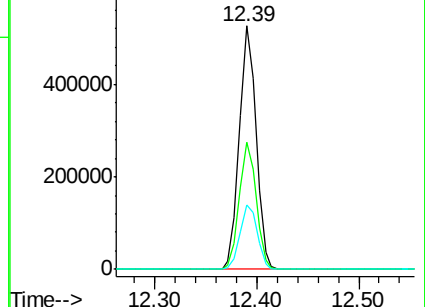
134 27.2 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1928) (-)

Ion 92.00 (91.70 to 92.70): VX002859.D (-1928) (-)

Ion 134.00 (133.70 to 134.70): VX002859.D (-1928) (-)



#90

Hexachloroethane

Concen: 46.64 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX002889.D

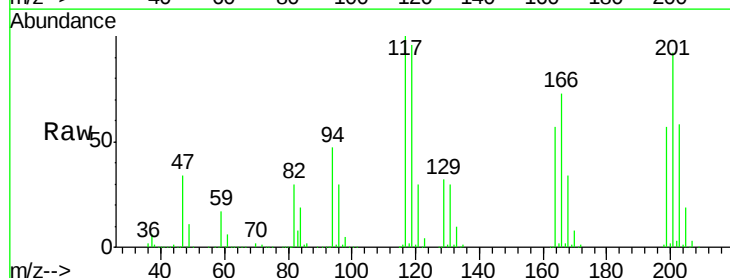
Acq: 26 Jun 2018 04:45

Tgt Ion: 117 Resp: 97753

Ion Ratio Lower Upper

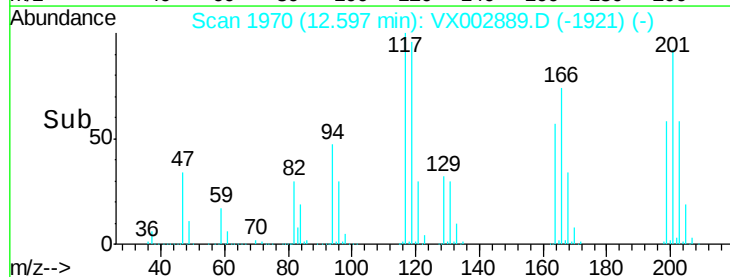
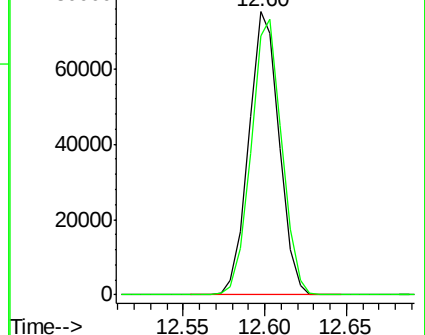
117 100

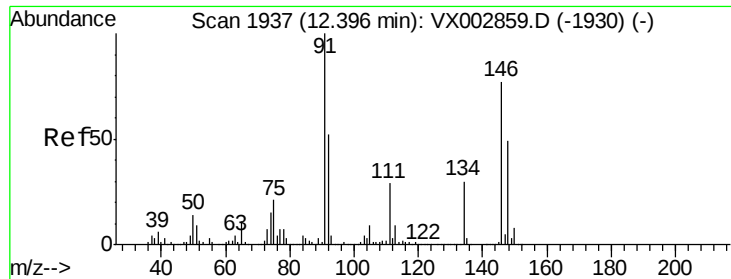
201 98.0 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX002859.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX002859.D (-1964) (-)

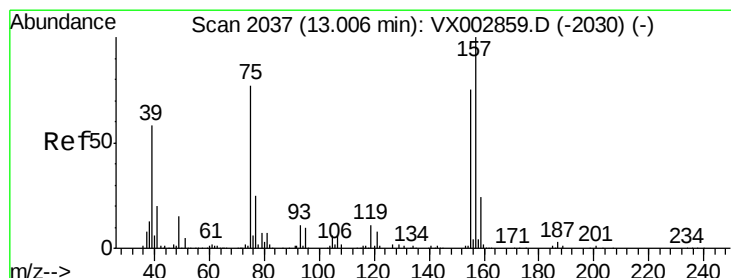
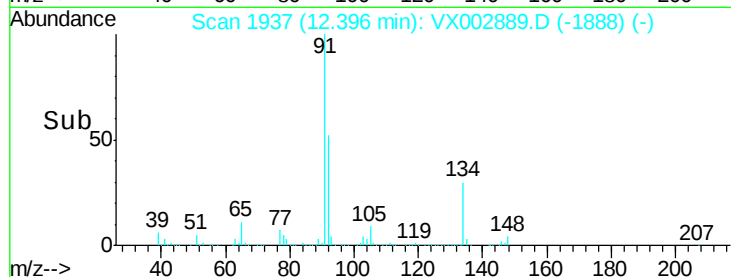
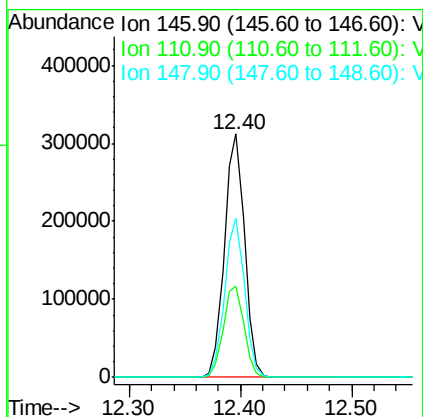
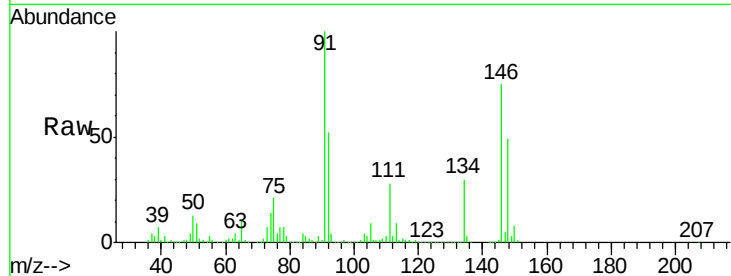




#91
 1,2-Dichlorobenzene
 Concen: 47.62 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

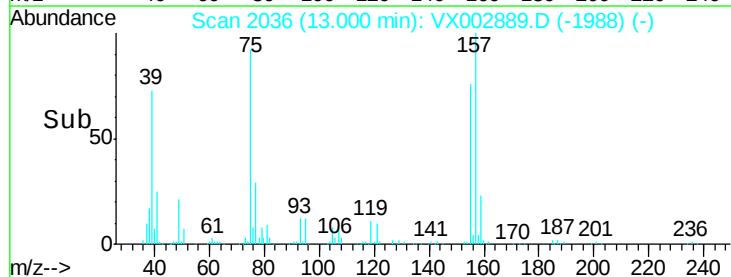
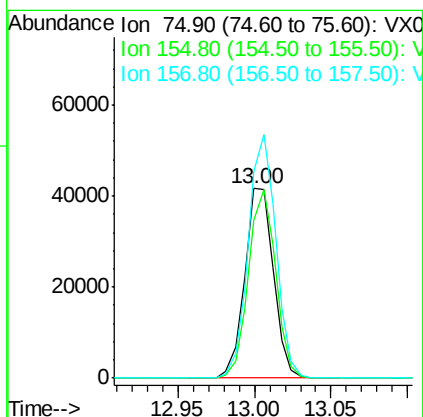
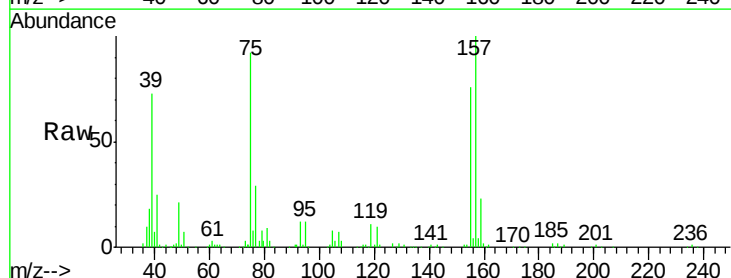
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 389091
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 64.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.30 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion: 75 Resp: 54213
 Ion Ratio Lower Upper
 75 100
 155 94.3 45.8 137.4
 157 123.4 60.1 180.3

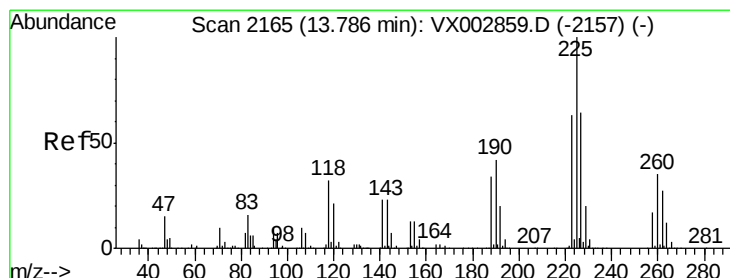
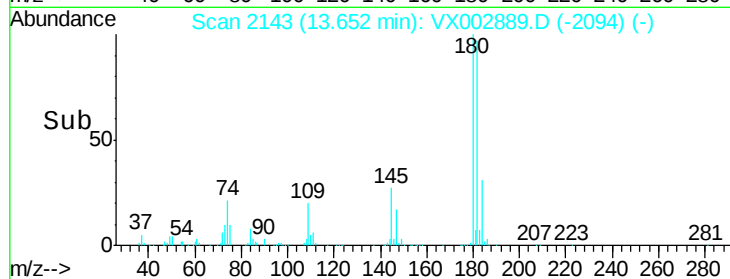
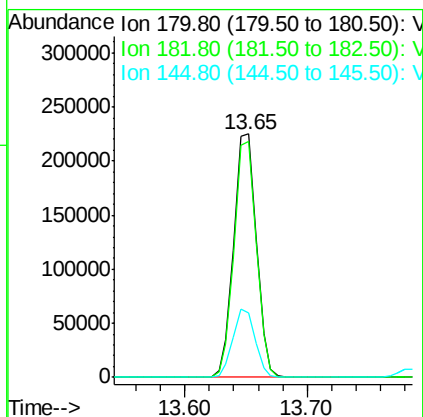
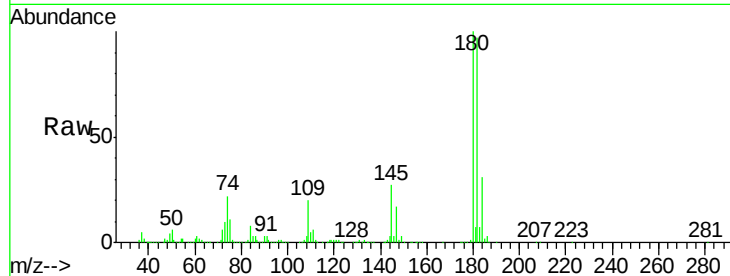




#93
 1,2,4-Trichlorobenzene
 Concen: 48.16 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

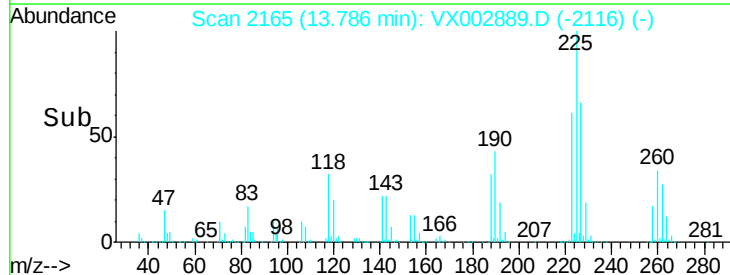
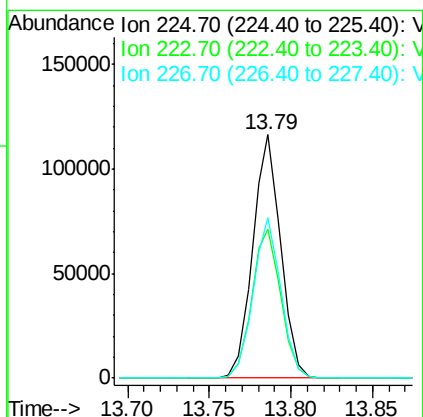
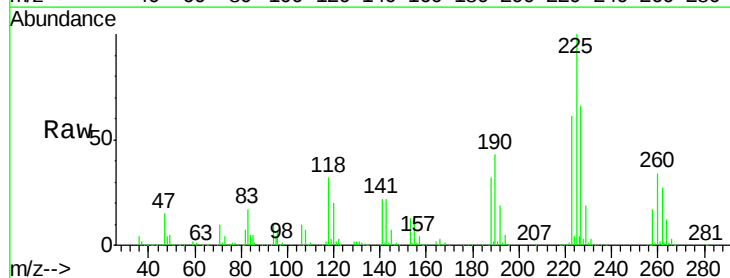
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

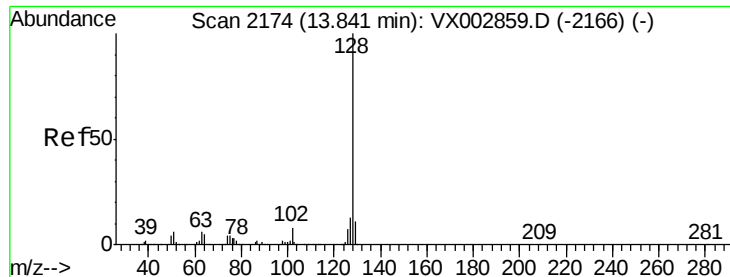
Tot Ion:180 Resp: 286405
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.7 143.1
 145 27.7 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 46.67 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002889.D
 Acq: 26 Jun 2018 04:45

Tgt Ion:225 Resp: 138433
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 95.0
 227 65.2 32.4 97.2





#95

Naphthalene

Concen: 51.36 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

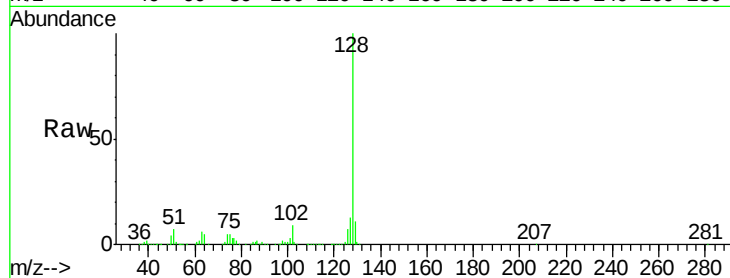
Tot Ion:128 Resp: 813447

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

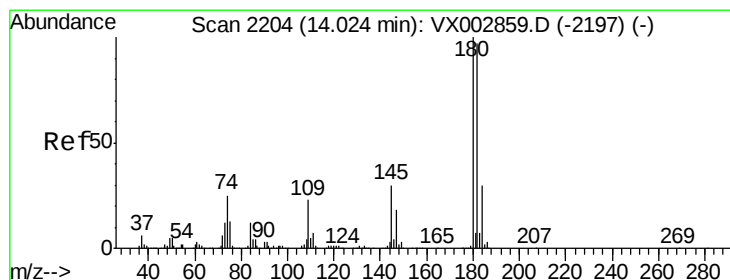
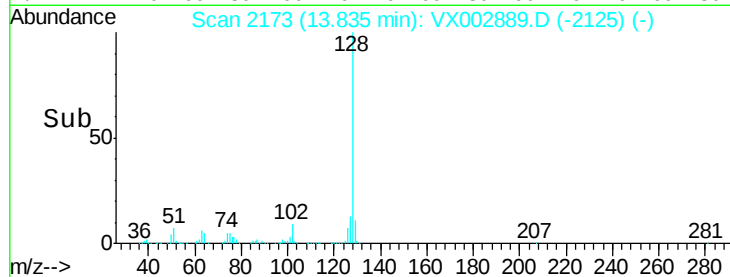
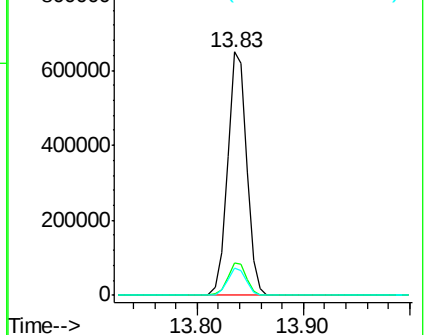
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.28 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002889.D

Acq: 26 Jun 2018 04:45

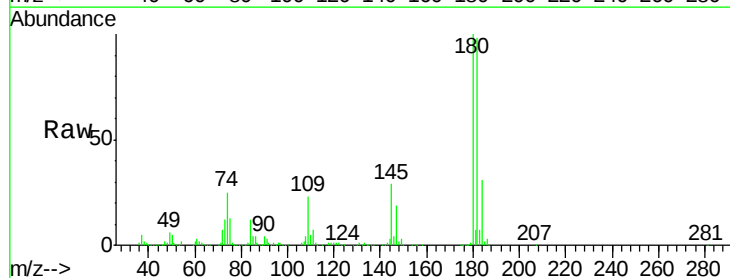
Tgt Ion:180 Resp: 292684

Ion Ratio Lower Upper

180 100

182 95.5 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

