

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003139.D
 Acq On : 02 Jul 2018 20:38
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 07:00:53 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	286958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	398588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	181801	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	5.51	113	153907	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	8.72	98	548791	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.14	95	213279	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	141560	55.28	ug/l	99
3) Chloromethane	1.32	50	146153	55.06	ug/l	99
4) Vinyl Chloride	1.40	62	166363	51.26	ug/l	99
5) Bromomethane	1.64	94	52256	33.60	ug/l	98
6) Chloroethane	1.72	64	103132	54.35	ug/l	99
7) Trichlorofluoromethane	1.93	101	254824	46.55	ug/l	98
8) Diethyl Ether	2.19	74	96098	48.29	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145971	46.02	ug/l	97
10) Methyl Iodide	2.51	142	151989	47.59	ug/l	98
11) Tert butyl alcohol	3.09	59	170966	216.38	ug/l	100
12) 1,1-Dichloroethene	2.37	96	136554	48.25	ug/l	93
13) Acrolein	2.30	56	61282	141.76	ug/l	100
14) Allyl chloride	2.73	41	261526	46.88	ug/l	95
15) Acrylonitrile	3.15	53	407810	241.64	ug/l	99
16) Acetone	2.45	43	366275	222.99	ug/l	97
17) Carbon Disulfide	2.57	76	380197	50.42	ug/l	100
18) Methyl Acetate	2.78	43	195333	42.53	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	477680	46.95	ug/l	99
20) Methylene Chloride	2.86	84	157272	49.20	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	147846	47.96	ug/l	93
22) Diisopropyl ether	3.88	45	504086	47.27	ug/l	99
23) Vinyl Acetate	3.83	43	2207464	244.47	ug/l	98
24) 1,1-Dichloroethane	3.70	63	277464	47.87	ug/l	99
25) 2-Butanone	4.72	43	605101	248.22	ug/l	95
26) 2,2-Dichloropropane	4.59	77	169121	35.88	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	170512	49.34	ug/l	94
28) Bromochloromethane	5.03	49	130997	47.22	ug/l	91
29) Tetrahydrofuran	5.18	42	393036	251.42	ug/l	97
30) Chloroform	5.22	83	291971	49.09	ug/l	98
31) Cyclohexane	5.57	56	252228	50.71	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	260296	49.74	ug/l	98
36) 1,1-Dichloropropene	5.80	75	215639	49.33	ug/l	98
37) Ethyl Acetate	4.87	43	240390	51.08	ug/l	99
38) Carbon Tetrachloride	5.79	117	236461	49.30	ug/l	99

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 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)
39) Methylcyclohexane	7.46	83	248269	48.76	ug/l	97
40) Benzene	6.15	78	639408	50.35	ug/l	99
41) Methacrylonitrile	5.07	41	134881	49.77	ug/l	97
42) 1,2-Dichloroethane	6.20	62	237604	46.31	ug/l	98
43) Isopropyl Acetate	6.48	43	386319	48.94	ug/l	98
44) Trichloroethene	7.21	130	186800	49.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	162484	48.23	ug/l	99
46) Dibromomethane	7.67	93	112906	48.29	ug/l	94
47) Bromodichloromethane	7.90	83	218681	50.59	ug/l	99
48) Methyl methacrylate	7.79	41	200876	49.39	ug/l	95
49) 1,4-Dioxane	7.76	88	71870	908.30	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1231335	249.34	ug/l	97
52) Toluene	8.79	92	409594	50.34	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	248918	50.85	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	232367	49.34	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	168116	50.29	ug/l	97
56) Ethyl methacrylate	9.19	69	258265	52.86	ug/l	93
57) 1,3-Dichloropropane	9.38	76	273129	49.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	582984	247.31	ug/l	97
59) 2-Hexanone	9.50	43	933868	248.82	ug/l	96
60) Dibromochloromethane	9.59	129	183990	52.28	ug/l	100
61) 1,2-Dibromoethane	9.68	107	180156	51.37	ug/l	100
64) Tetrachloroethene	9.34	164	216240	51.63	ug/l	99
65) Chlorobenzene	10.14	112	472946	49.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	176209	50.70	ug/l	99
67) Ethyl Benzene	10.26	91	798162	50.50	ug/l	100
68) m/p-Xylenes	10.37	106	630939	103.58	ug/l	96
69) o-Xylene	10.70	106	304593	51.35	ug/l	98
70) Styrene	10.71	104	511763	53.10	ug/l	98
71) Bromoform	10.86	173	147727	47.27	ug/l	99
73) Isopropylbenzene	11.02	105	823655	51.19	ug/l	99
74) N-amyl acetate	6.48	43	386319	49.07	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	250565	50.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	284272	65.62	ug/l	80
77) Bromobenzene	11.26	156	230409	50.28	ug/l	96
78) n-propylbenzene	11.37	91	927299	50.63	ug/l	99
79) 2-Chlorotoluene	11.43	91	549254	49.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	689369	50.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	64641	43.74	ug/l	98
82) 4-Chlorotoluene	11.51	91	648781	49.42	ug/l	98
83) tert-Butylbenzene	11.77	119	670963	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	715099	50.93	ug/l	98
85) sec-Butylbenzene	11.95	105	809419	49.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	735615	50.50	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	417251	49.86	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	417346	48.46	ug/l	99
89) n-Butylbenzene	12.39	91	609842	48.10	ug/l	99
90) Hexachloroethane	12.60	117	117223	54.10	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	419603	49.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58165	52.20	ug/l	94

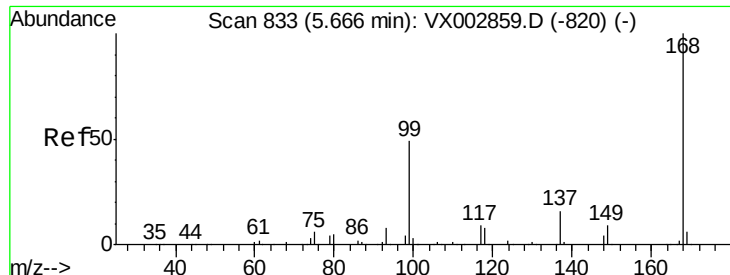
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	307966	50.10	ug/l	100
94) Hexachlorobutadiene	13.79	225	146819	47.89	ug/l	99
95) Naphthalene	13.83	128	878061	53.63	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315347	51.36	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: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

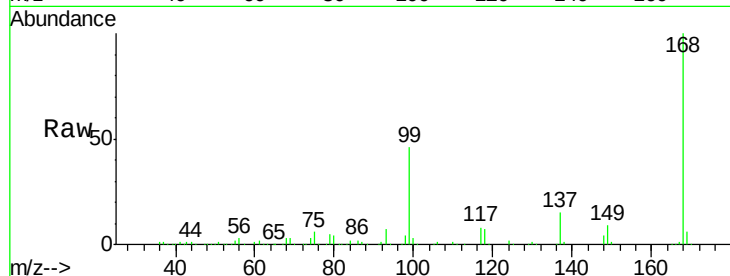
VSTDCCC050EC

Tot Ion:168 Resp: 286958

Ion Ratio Lower Upper

168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

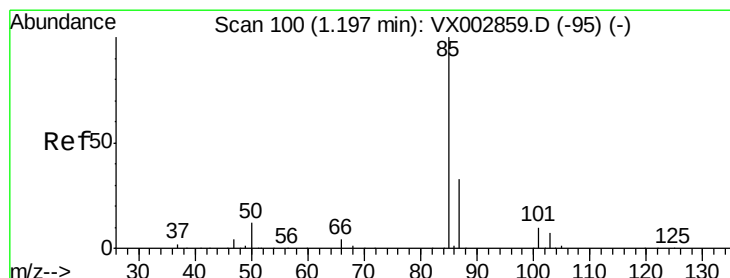
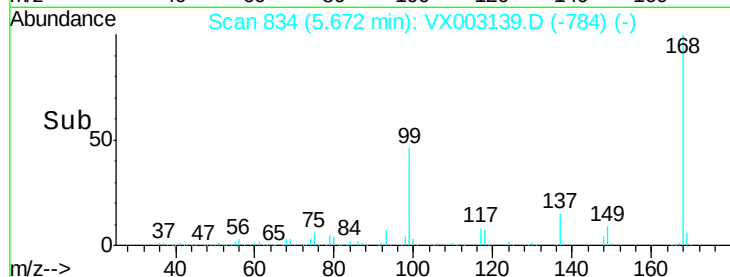
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 55.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003139.D

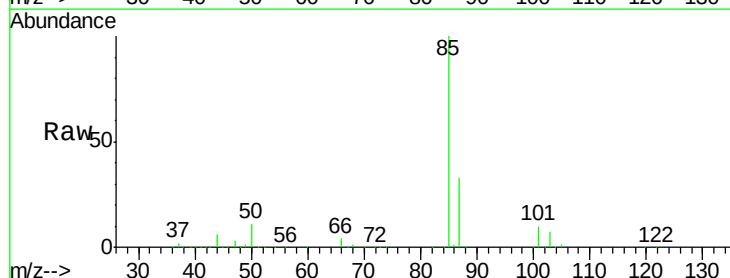
Acq: 02 Jul 2018 20:38

Tgt Ion: 85 Resp: 141560

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

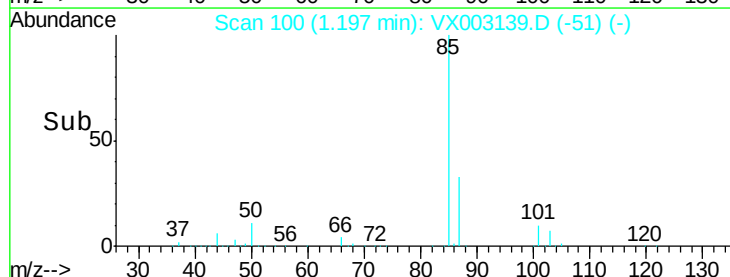
100000

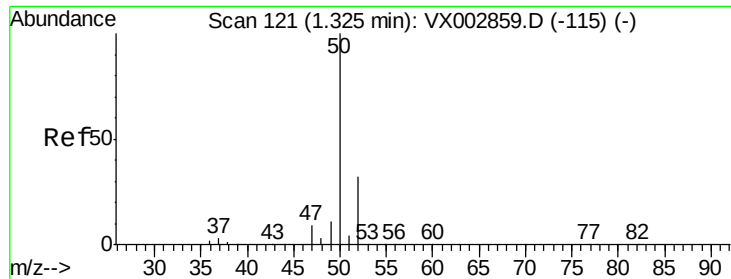
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 55.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

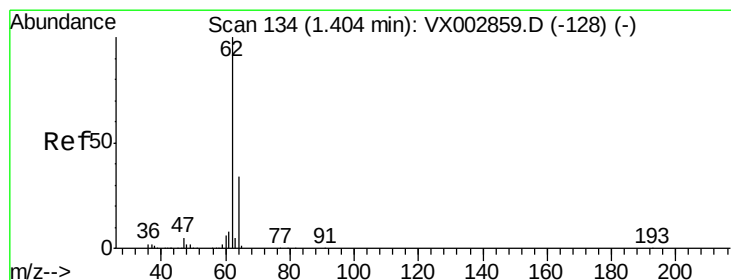
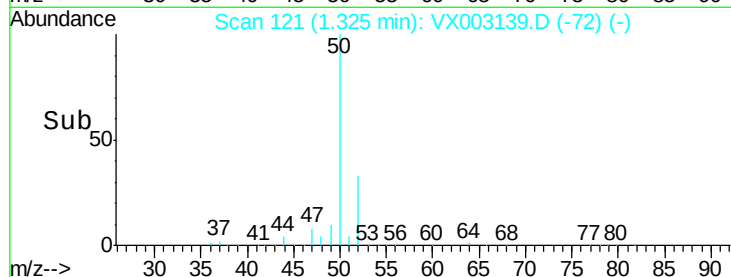
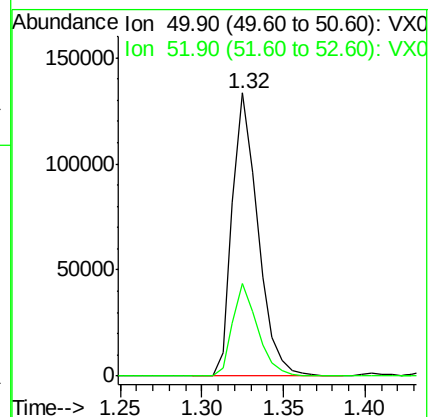
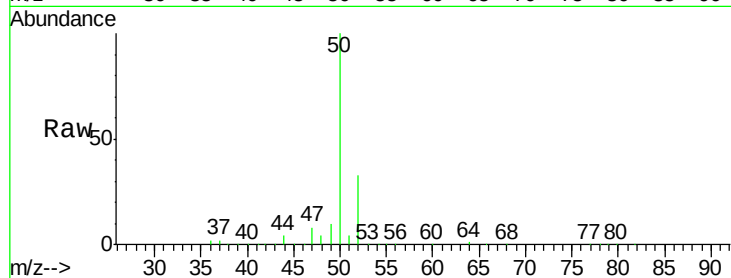
VSTDCCC050EC

Tot Ion: 50 Resp: 146153

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5



#4

Vinyl Chloride

Concen: 51.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003139.D

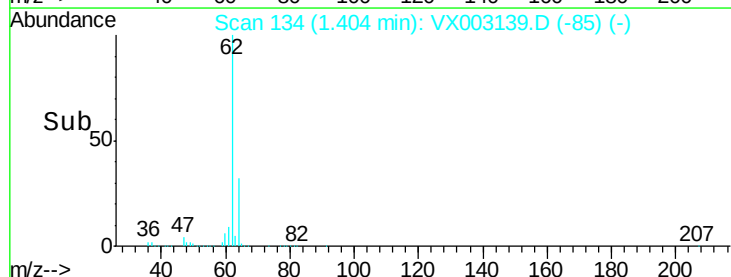
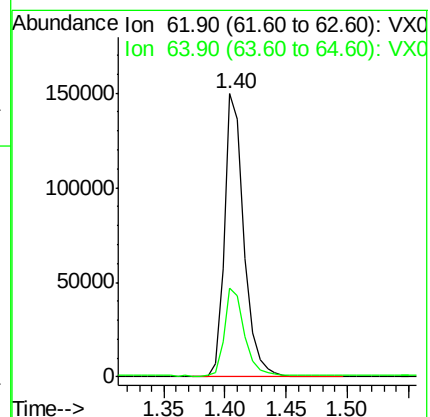
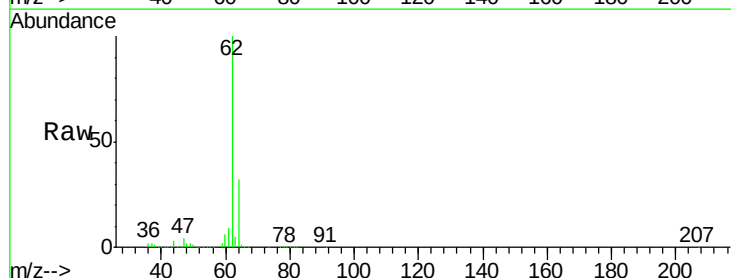
Acq: 02 Jul 2018 20:38

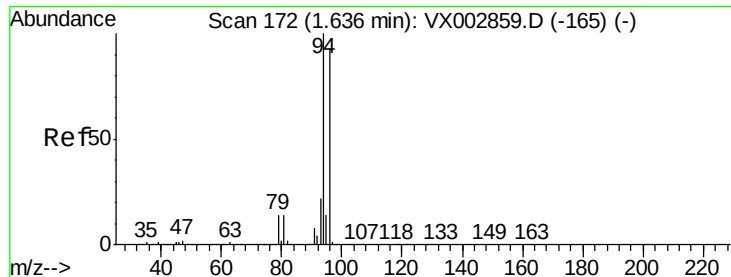
Tgt Ion: 62 Resp: 166363

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 33.60 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

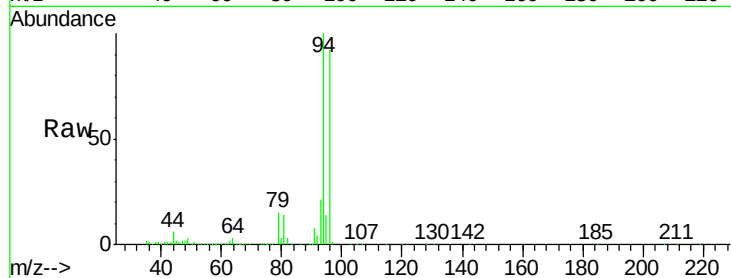
VSTDCCC050EC

Tot Ion: 94 Resp: 52256

Ion Ratio Lower Upper

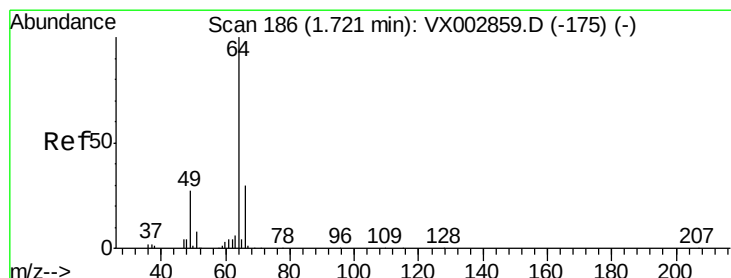
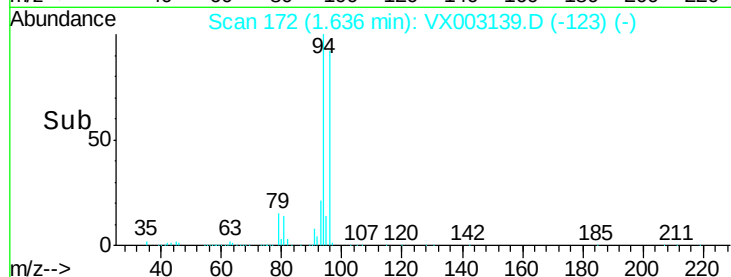
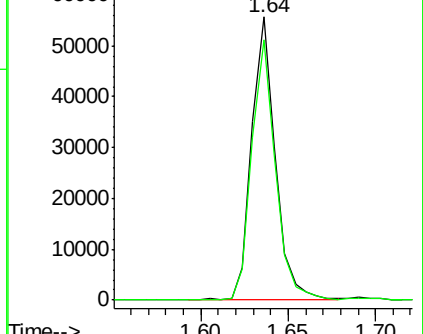
94 100

96 91.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.35 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003139.D

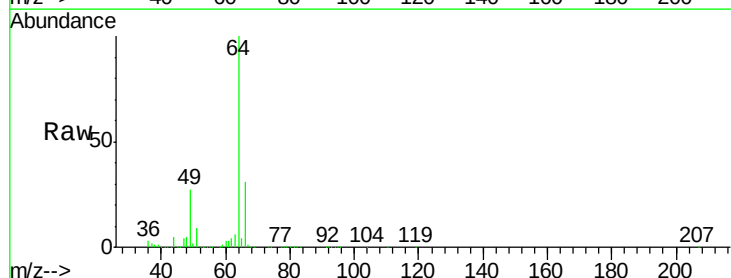
Acq: 02 Jul 2018 20:38

Tgt Ion: 64 Resp: 103132

Ion Ratio Lower Upper

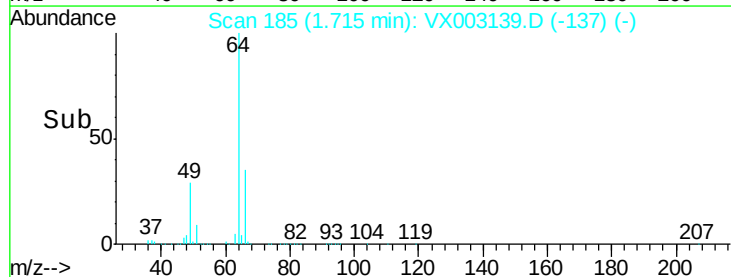
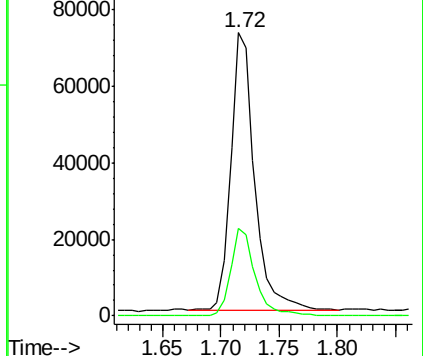
64 100

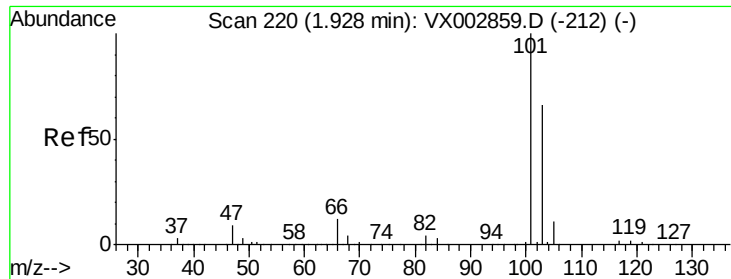
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 46.55 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

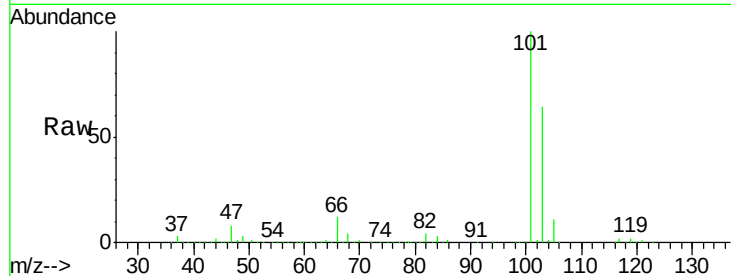
VSTDCCC050EC

Tot Ion:101 Resp: 254824

Ion Ratio Lower Upper

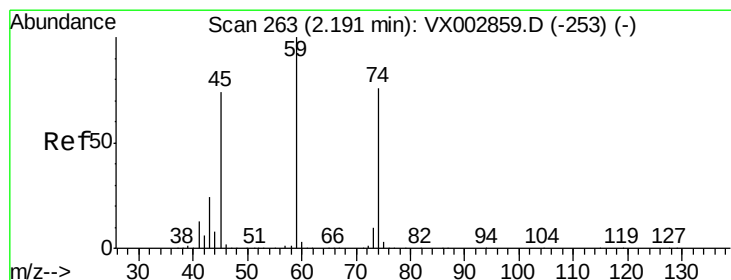
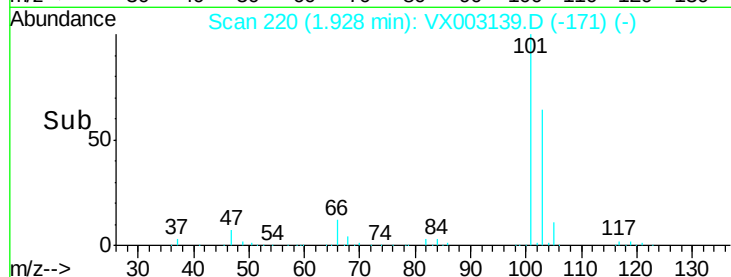
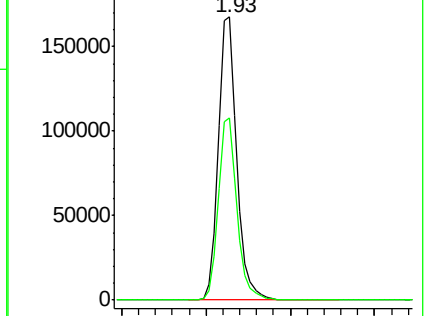
101 100

103 64.3 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.29 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003139.D

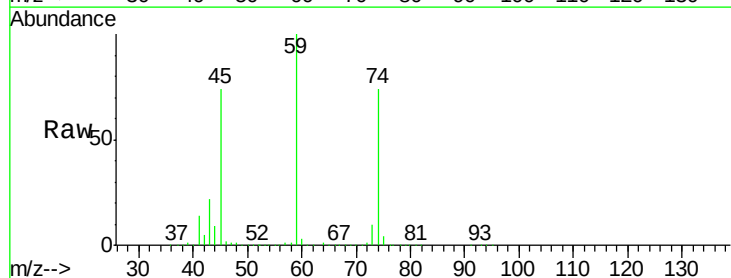
Acq: 02 Jul 2018 20:38

Tgt Ion: 74 Resp: 96098

Ion Ratio Lower Upper

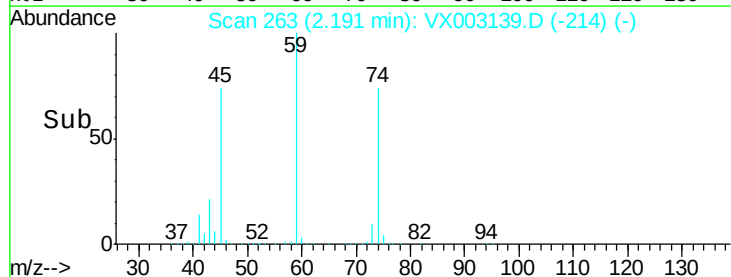
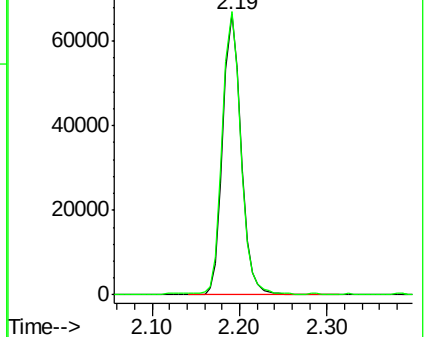
74 100

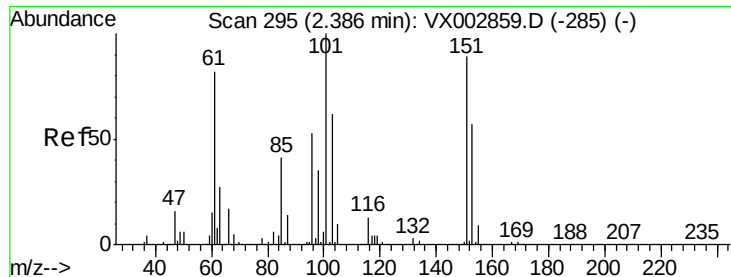
45 100.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.02 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

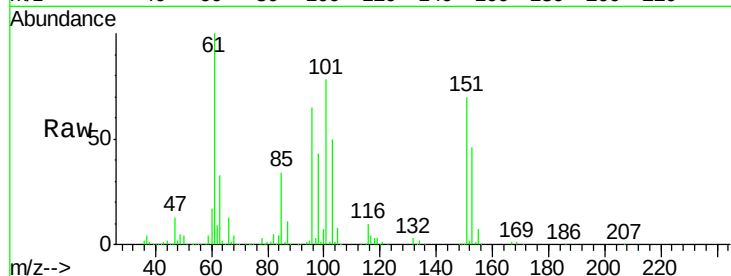
Tot Ion:101 Resp: 145971

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

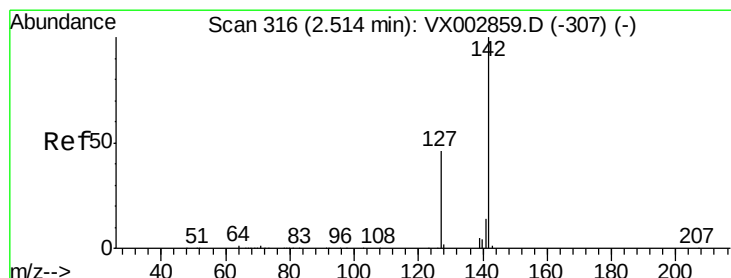
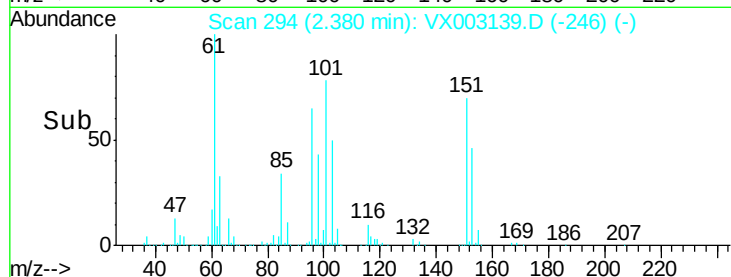
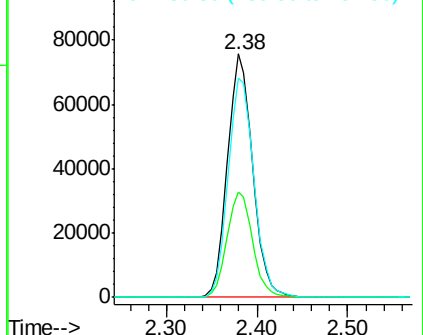
151 92.4 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.59 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

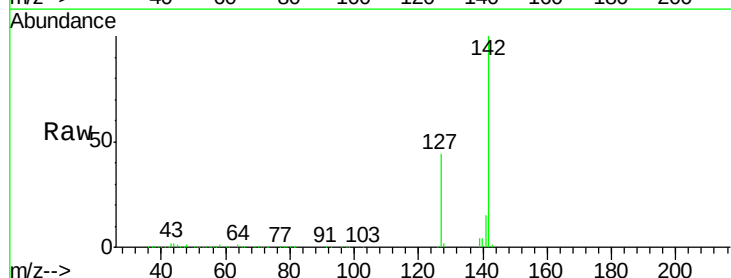
Tgt Ion:142 Resp: 151989

Ion Ratio Lower Upper

142 100

127 44.1 36.6 55.0

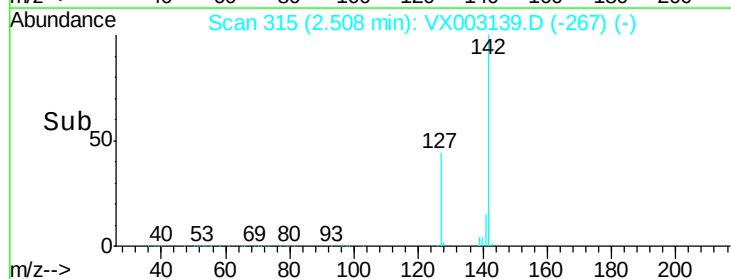
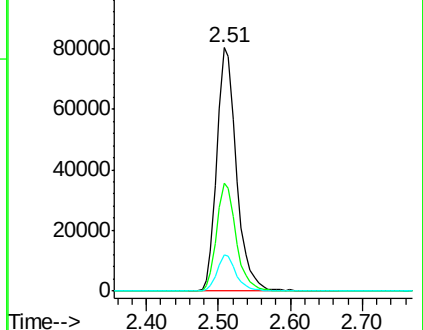
141 14.3 11.3 16.9

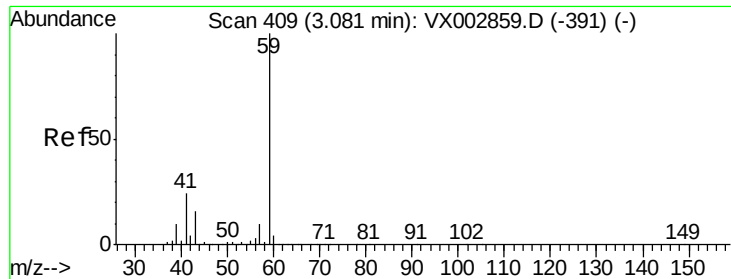


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

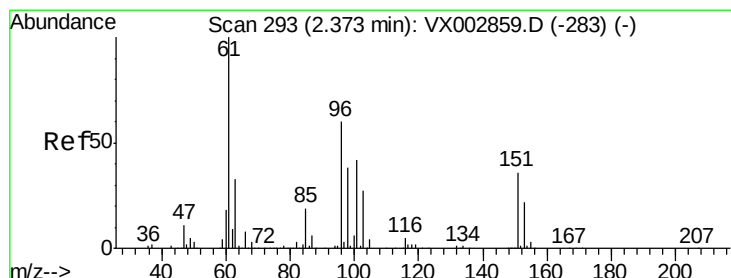
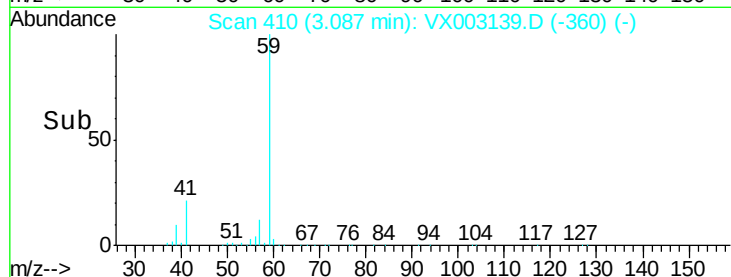
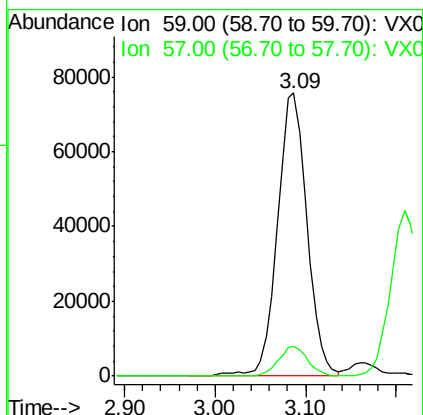
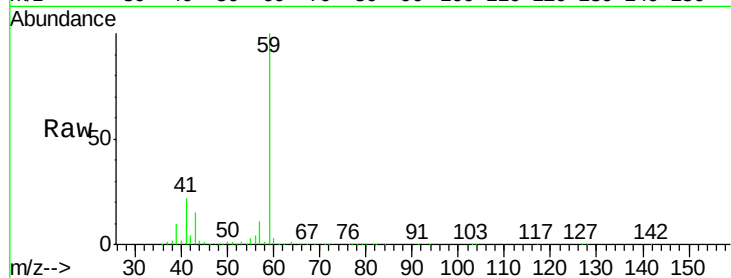




#11
Tert butyl alcohol
Concen: 216.38 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

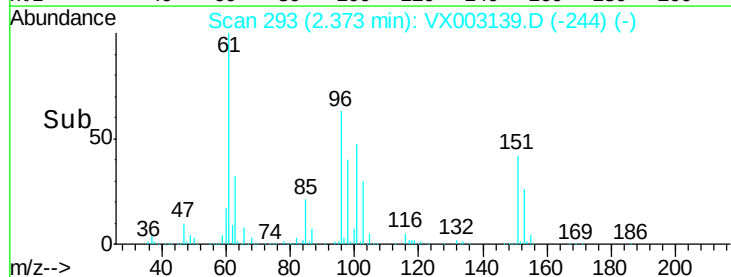
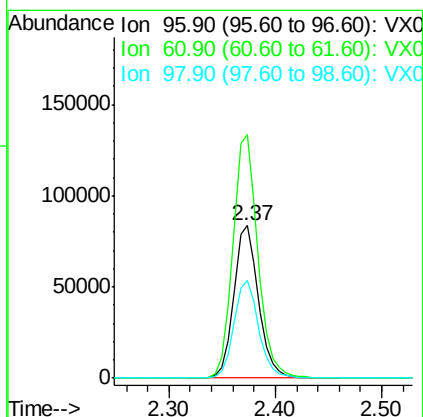
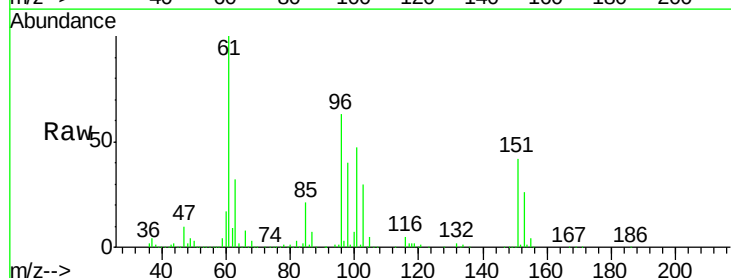
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

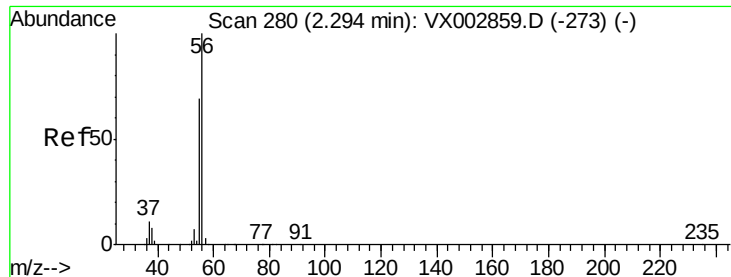
Tot Ion: 59 Resp: 170966
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 48.25 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 96 Resp: 136554
Ion Ratio Lower Upper
96 100
61 159.7 137.9 206.9
98 64.4 51.6 77.4





#13

Acrolein

Concen: 141.76 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

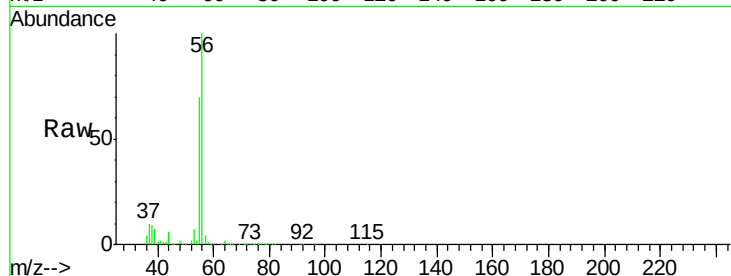
VSTDCCC050EC

Tot Ion: 56 Resp: 61282

Ion Ratio Lower Upper

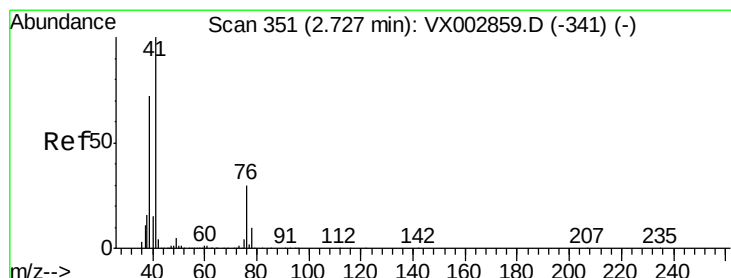
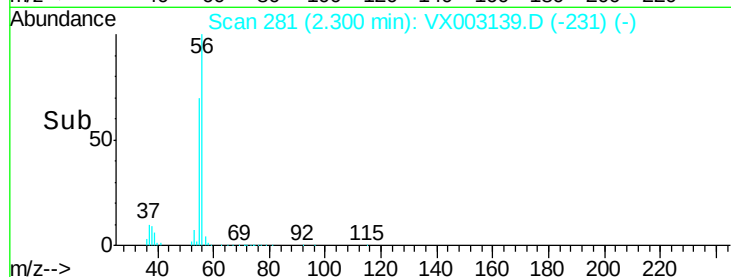
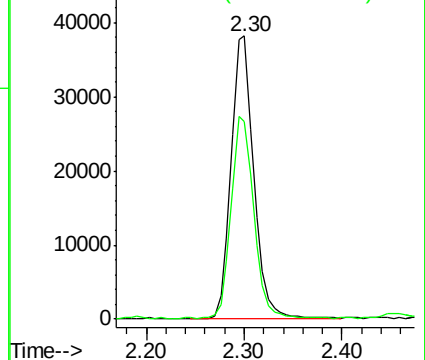
56 100

55 71.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.88 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

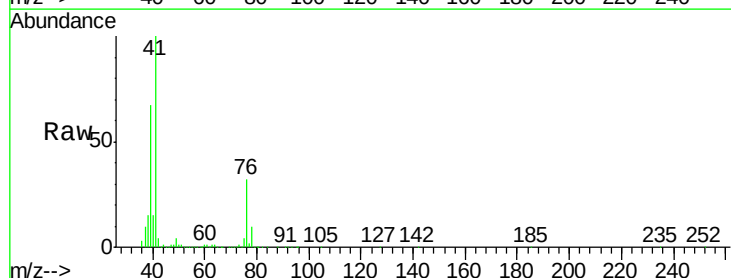
Tgt Ion: 41 Resp: 261526

Ion Ratio Lower Upper

41 100

39 65.9 56.8 85.2

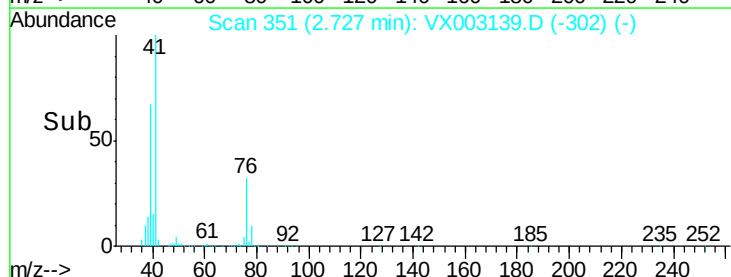
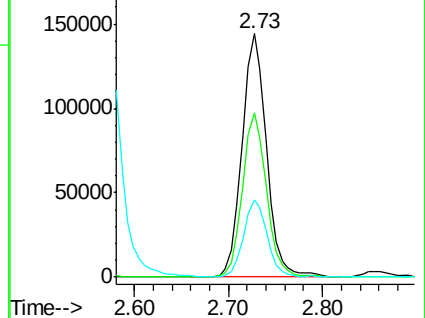
76 30.6 23.8 35.8

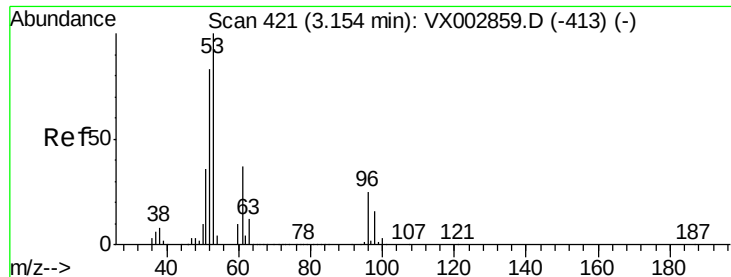


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 241.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

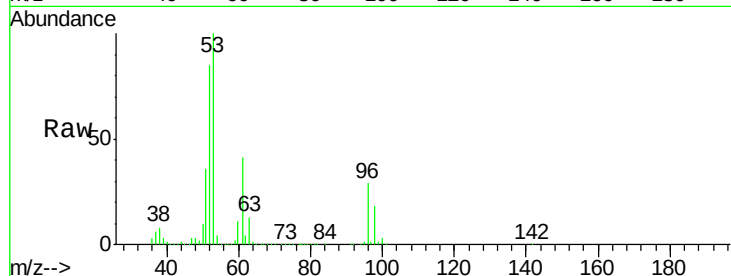
Tot Ion: 53 Resp: 407810

Ion Ratio Lower Upper

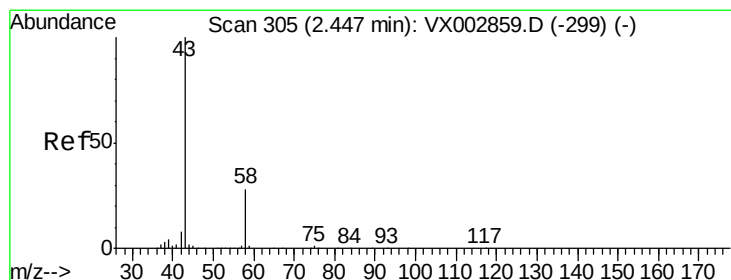
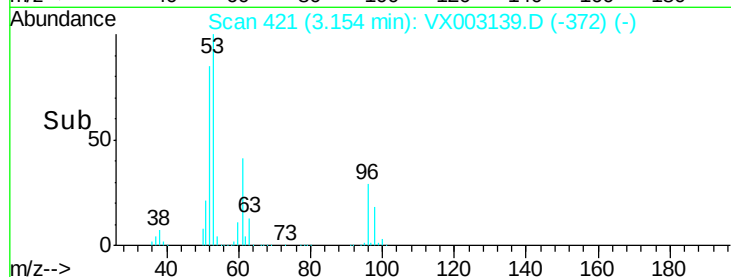
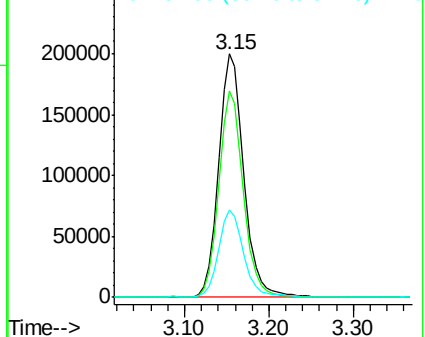
53 100

52 82.8 66.7 100.1

51 36.2 29.9 44.9



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



#16

Acetone

Concen: 222.99 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003139.D

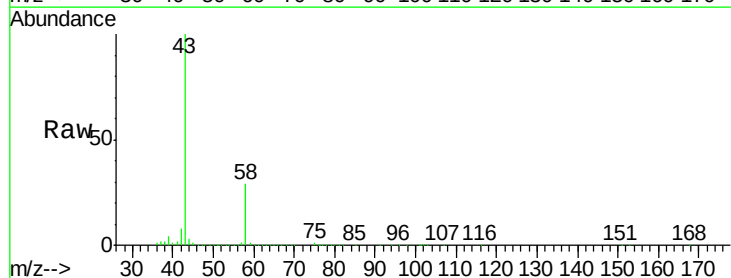
Acq: 02 Jul 2018 20:38

Tgt Ion: 43 Resp: 366275

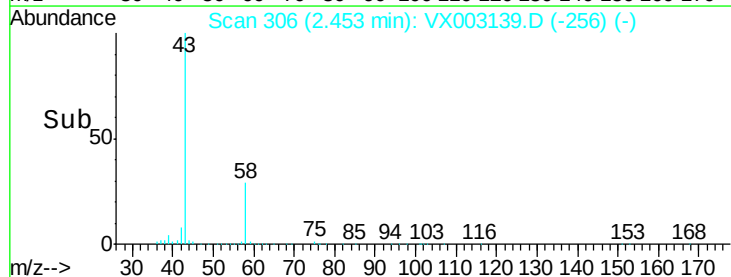
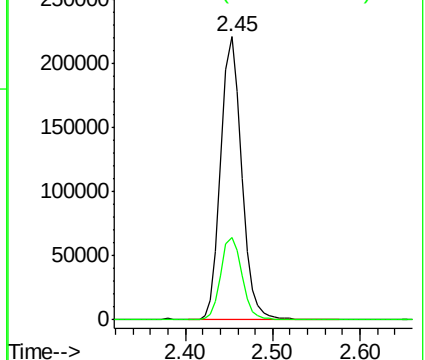
Ion Ratio Lower Upper

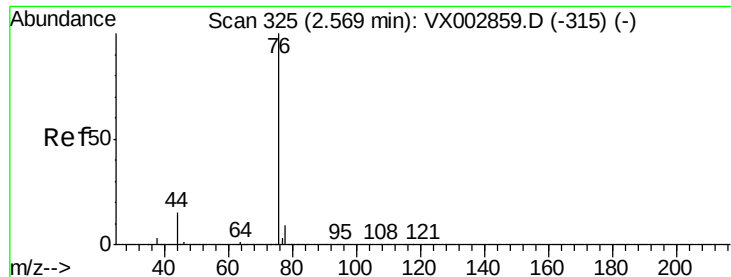
43 100

58 28.9 22.1 33.1



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





#17

Carbon Disulfide

Concen: 50.42 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

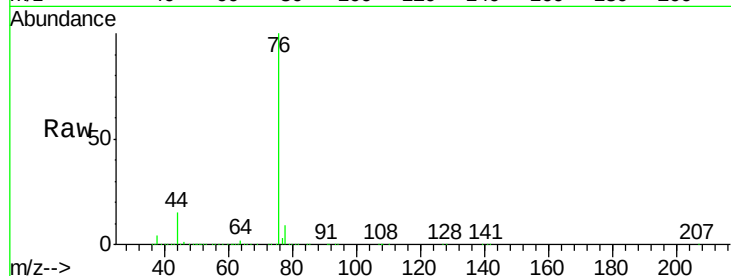
VSTDCCC050EC

Tot Ion: 76 Resp: 380197

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

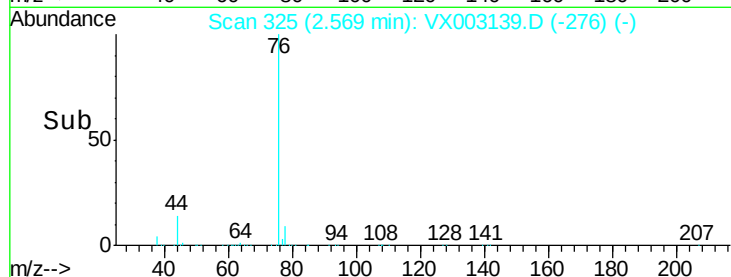
150000

100000

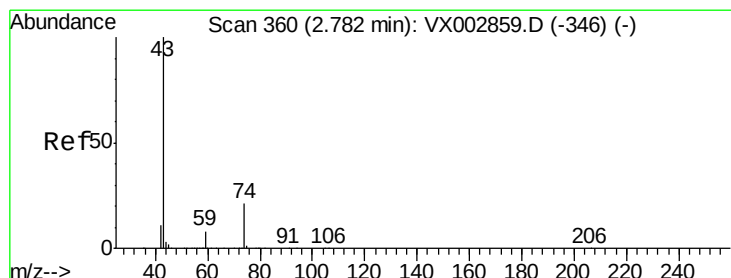
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 42.53 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003139.D

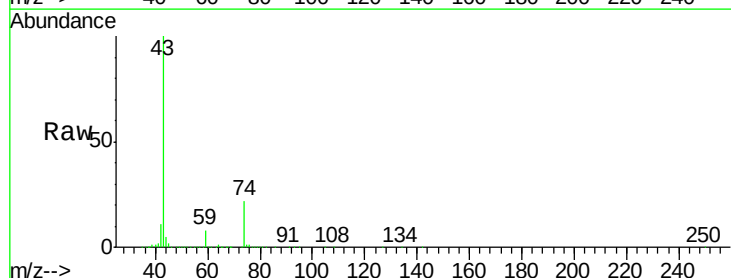
Acq: 02 Jul 2018 20:38

Tgt Ion: 43 Resp: 195333

Ion Ratio Lower Upper

43 100

74 22.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

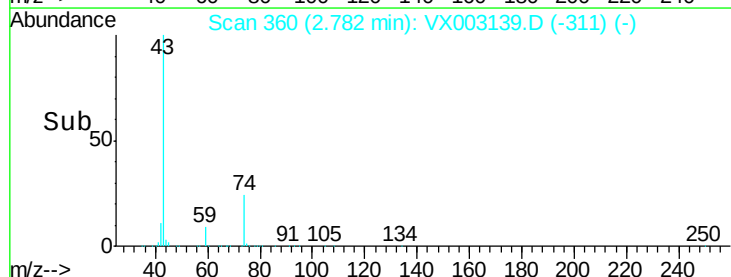
60000

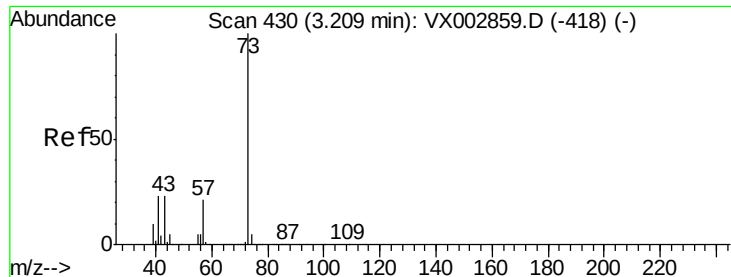
40000

20000

0

Time-->

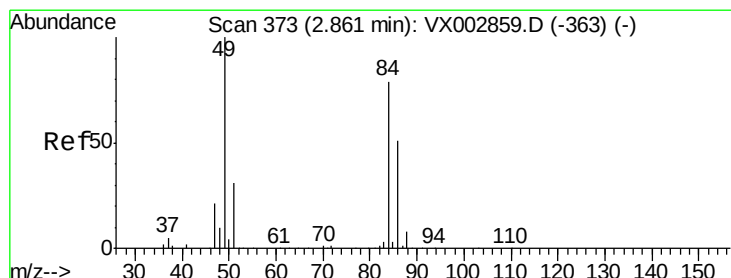
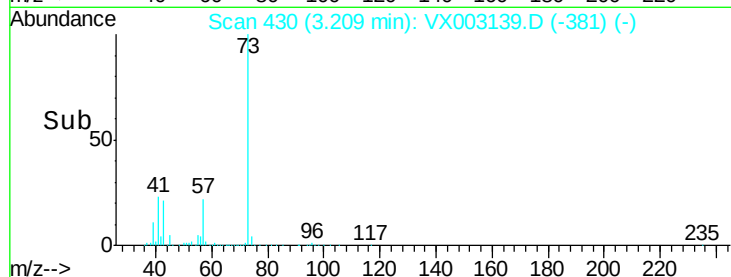
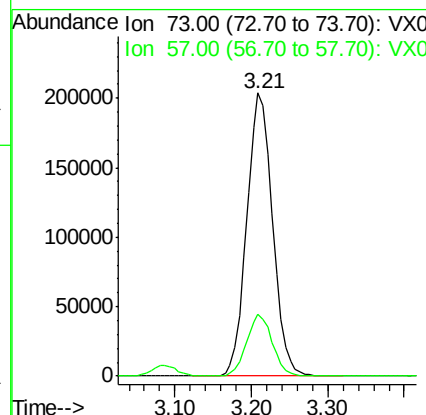
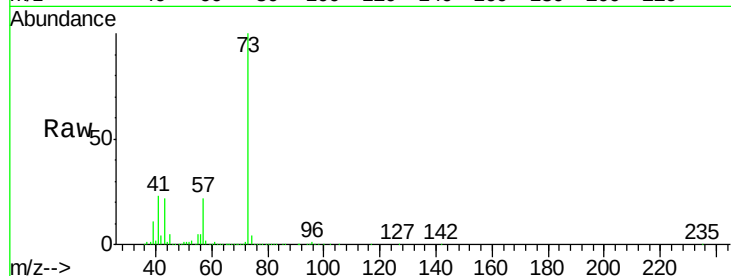




#19
Methyl tert-butyl Ether
Concen: 46.95 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

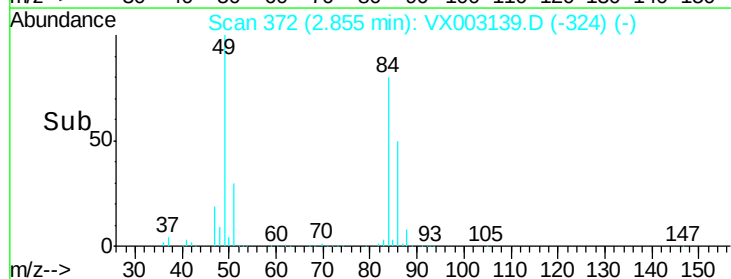
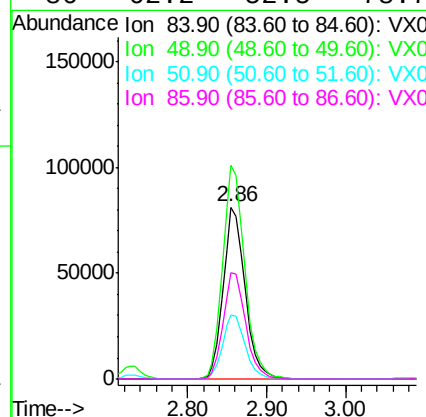
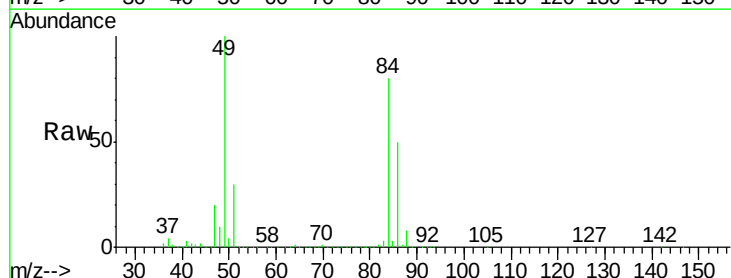
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

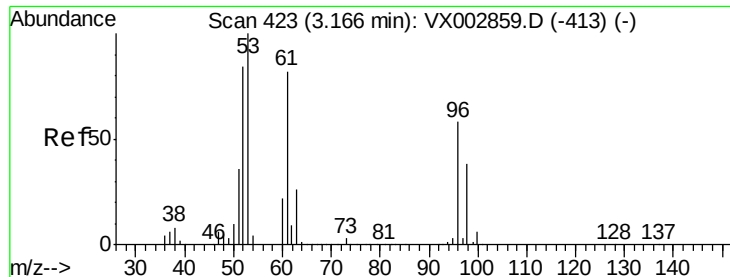
Tot Ion: 73 Resp: 477680
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 49.20 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 84 Resp: 157272
Ion Ratio Lower Upper
84 100
49 124.5 107.8 161.6
51 37.5 32.8 49.2
86 62.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

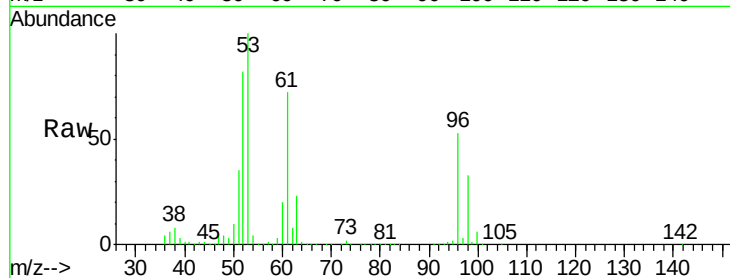
Tot Ion: 96 Resp: 147846

Ion Ratio Lower Upper

96 100

61 136.9 117.0 175.4

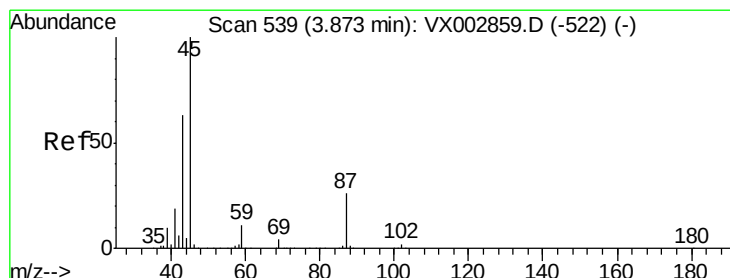
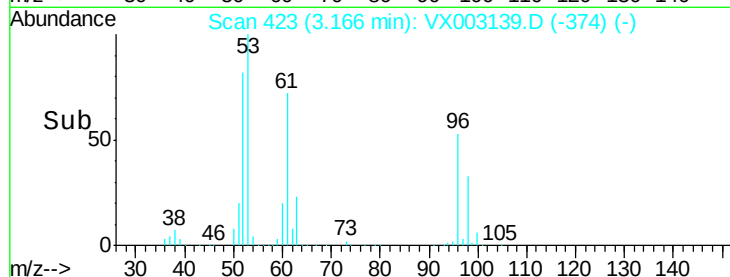
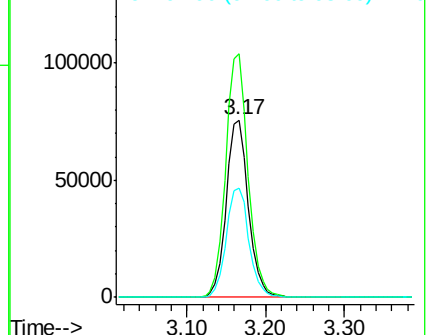
98 61.6 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.27 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion: 45 Resp: 504086

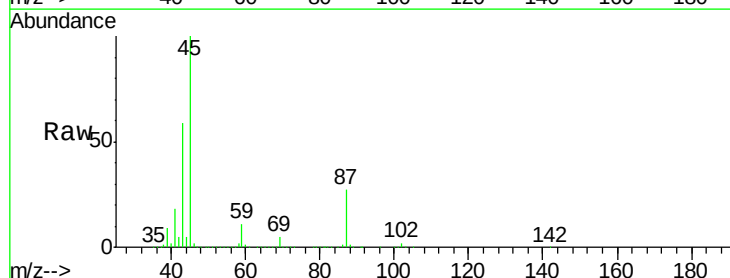
Ion Ratio Lower Upper

45 100

43 58.5 46.8 70.2

87 27.1 20.2 30.4

59 11.4 8.7 13.1

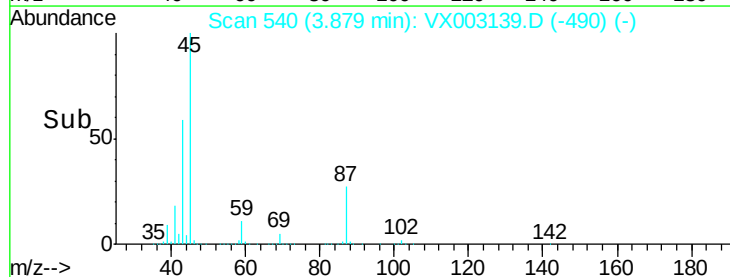
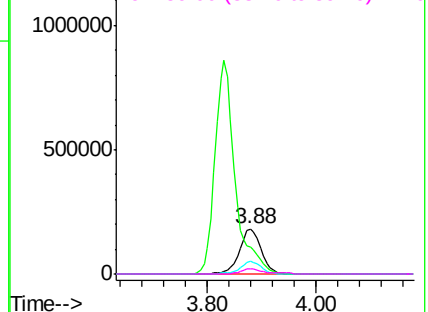


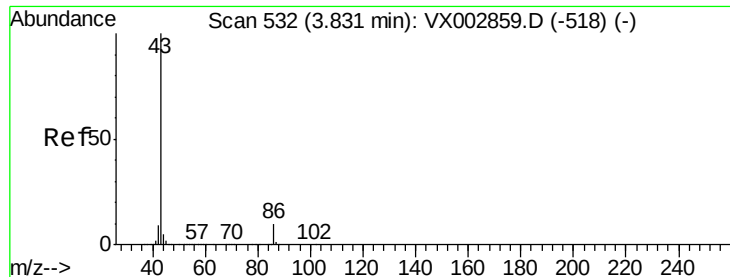
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 244.47 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

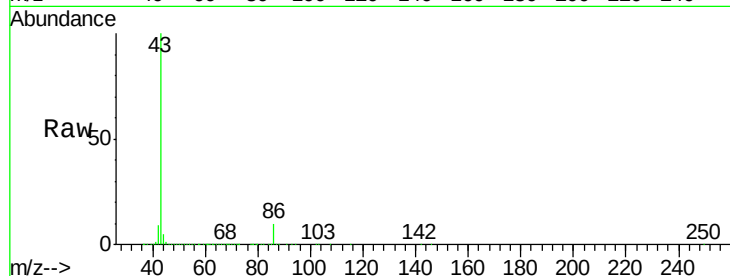
VSTDCCC050EC

Tot Ion: 43 Resp: 2207464

Ion Ratio Lower Upper

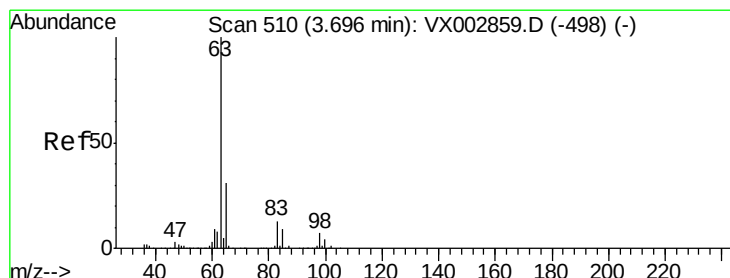
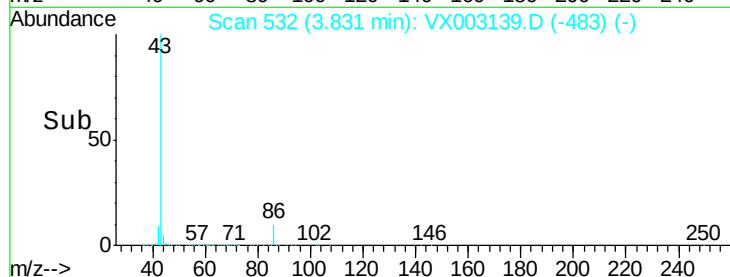
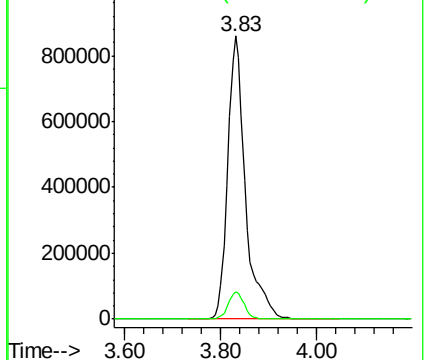
43 100

86 9.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.87 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

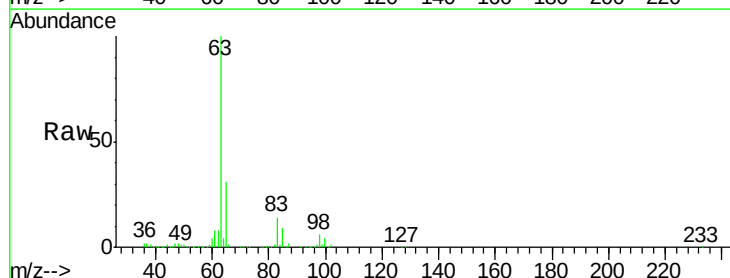
Tgt Ion: 63 Resp: 277464

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

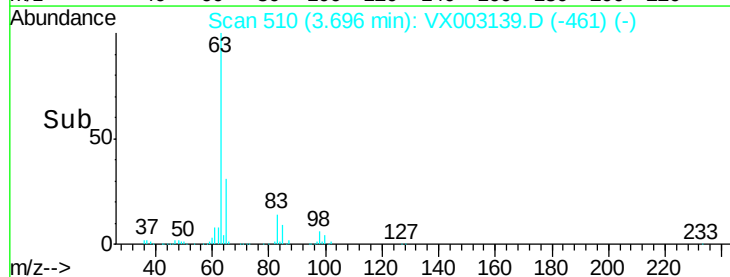
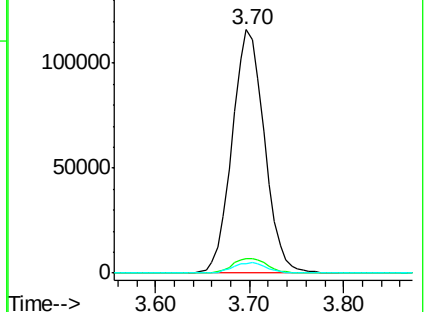
100 4.1 2.0 6.0

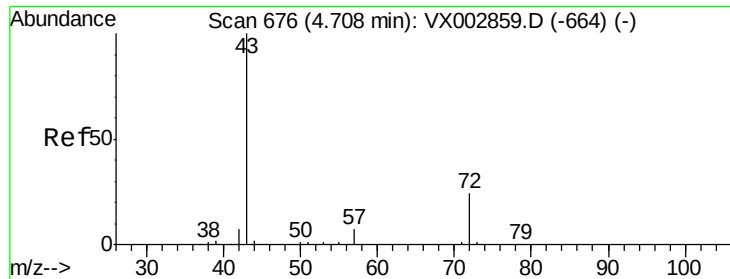


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 248.22 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

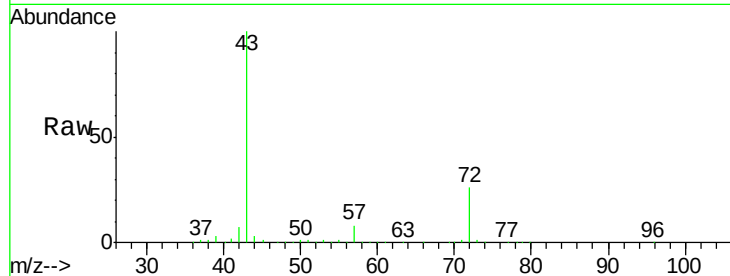
VSTDCCC050EC

Tot Ion: 43 Resp: 605101

Ion Ratio Lower Upper

43 100

72 25.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

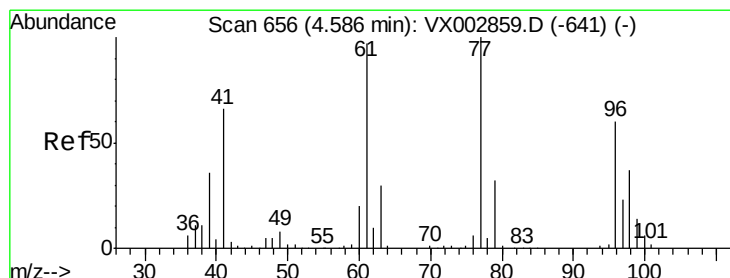
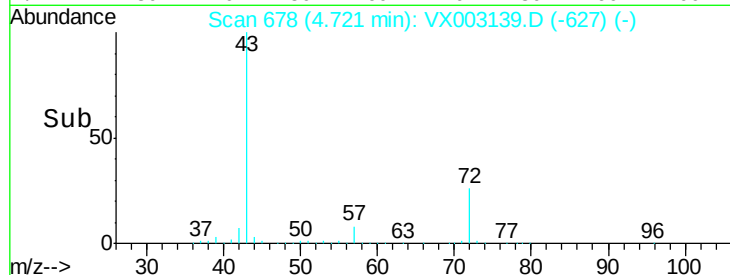
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 35.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003139.D

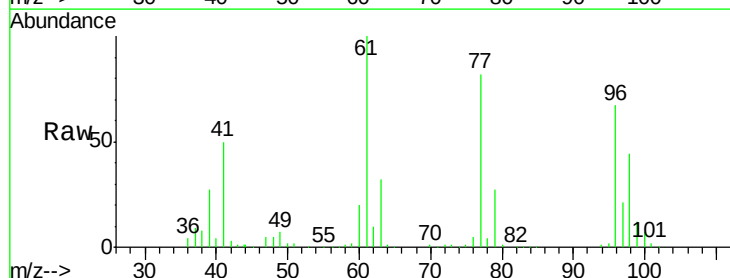
Acq: 02 Jul 2018 20:38

Tgt Ion: 77 Resp: 169121

Ion Ratio Lower Upper

77 100

97 24.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

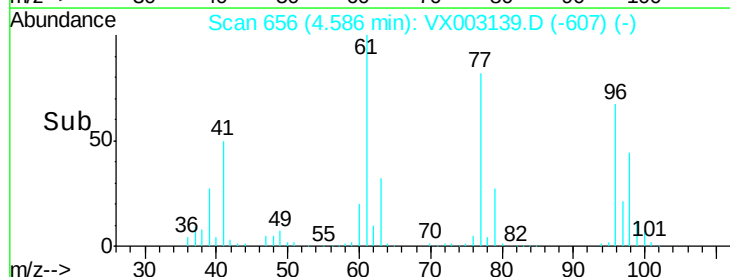
20000

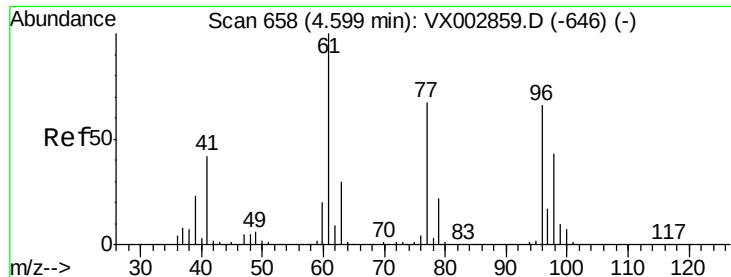
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.34 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

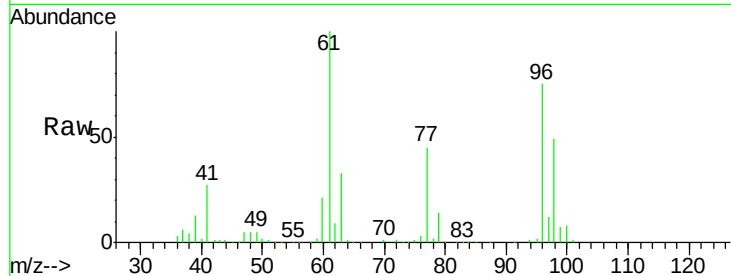
Tot Ion: 96 Resp: 170512

Ion Ratio Lower Upper

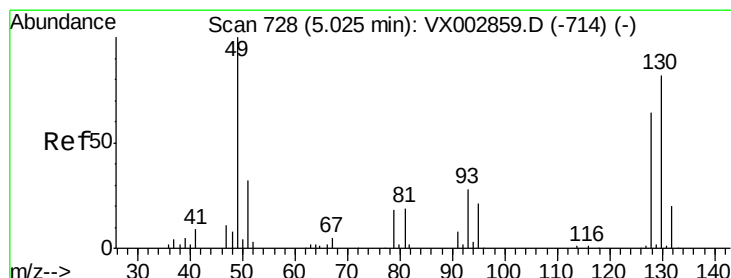
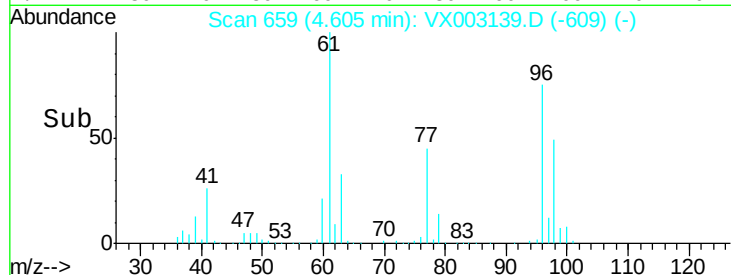
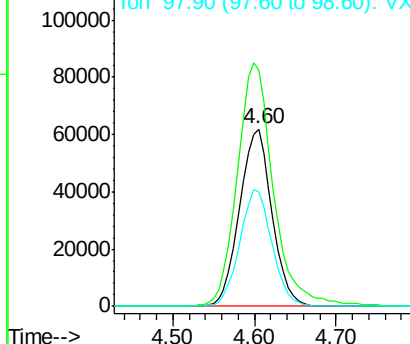
96 100

61 153.6 0.0 330.2

98 65.6 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: 47.22 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

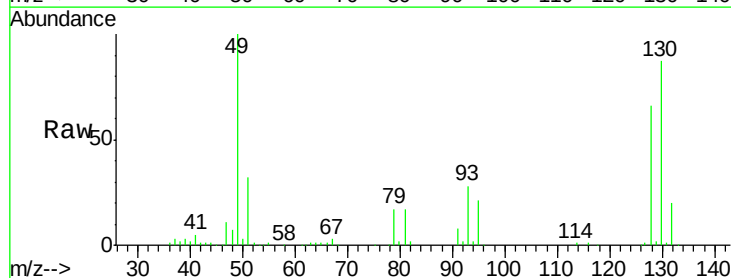
Tgt Ion: 49 Resp: 130997

Ion Ratio Lower Upper

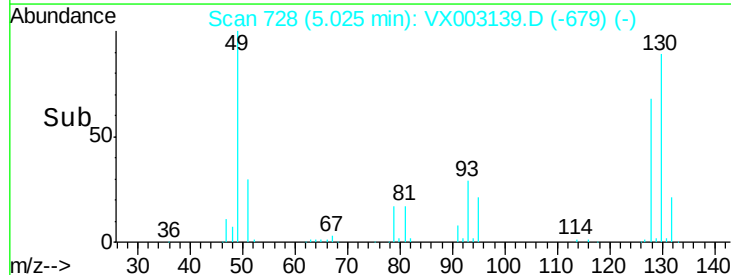
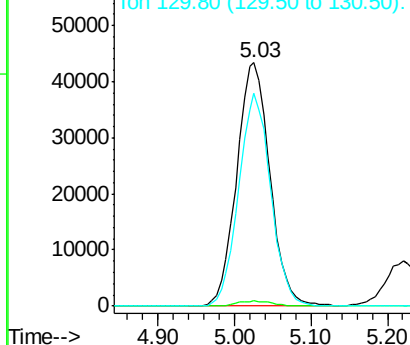
49 100

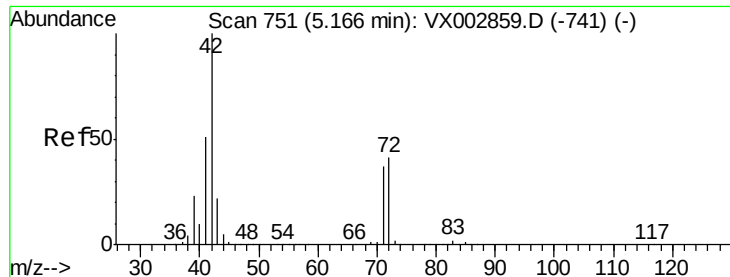
129 2.2 0.0 4.2

130 84.0 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 251.42 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

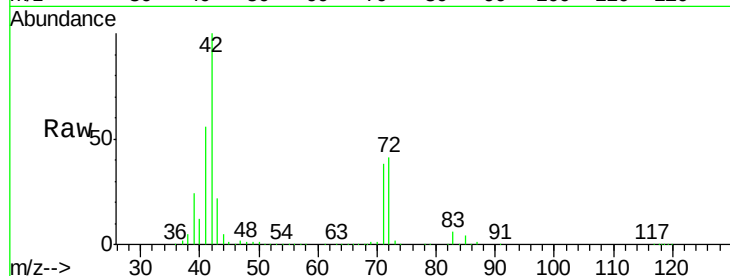
Tot Ion: 42 Resp: 393036

Ion Ratio Lower Upper

42 100

72 42.1 32.0 48.0

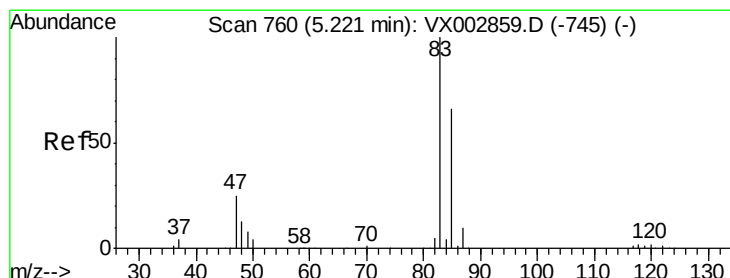
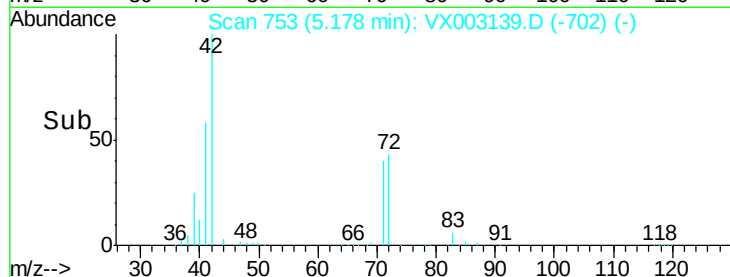
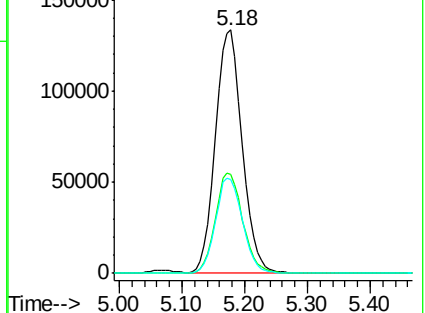
71 39.7 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.09 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003139.D

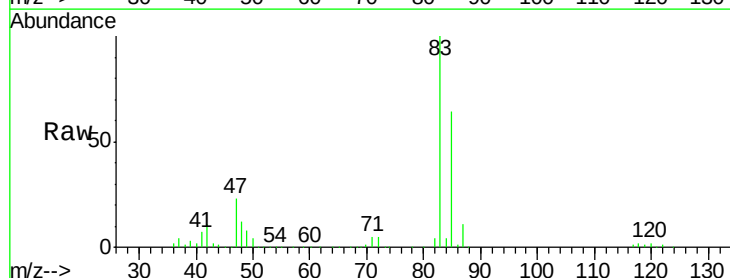
Acq: 02 Jul 2018 20:38

Tgt Ion: 83 Resp: 291971

Ion Ratio Lower Upper

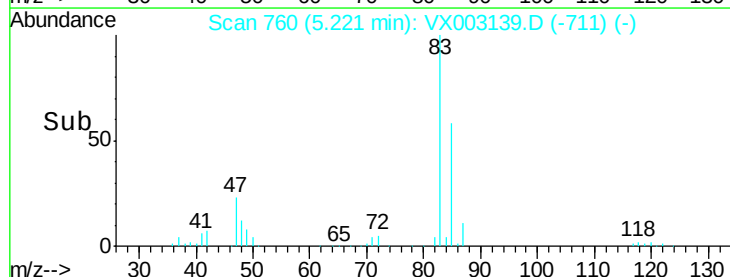
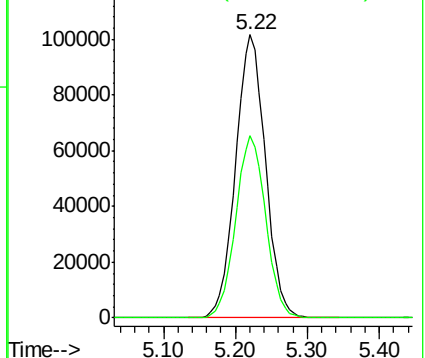
83 100

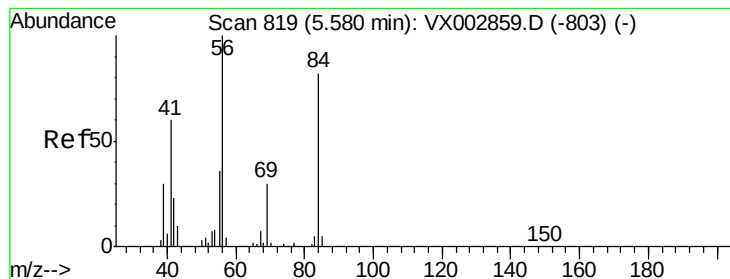
85 64.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.71 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

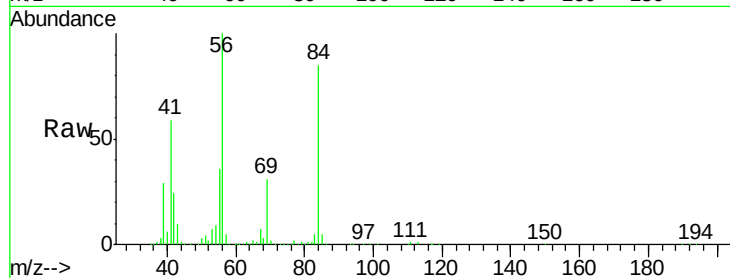
Tot Ion: 56 Resp: 252228

Ion Ratio Lower Upper

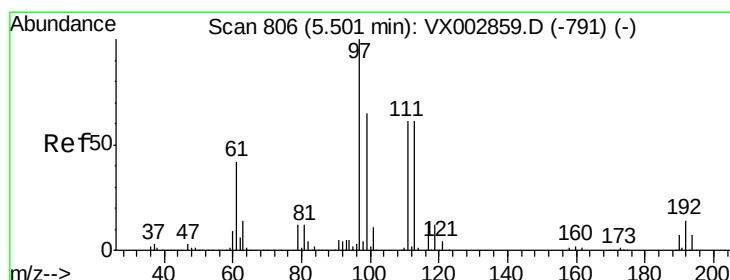
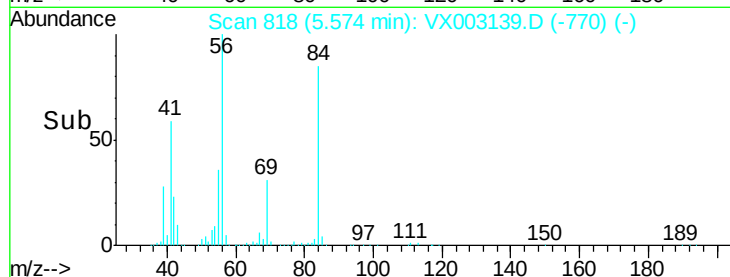
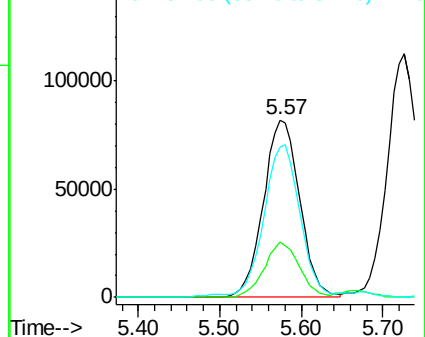
56 100

69 31.1 23.7 35.5

84 84.1 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 49.74 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

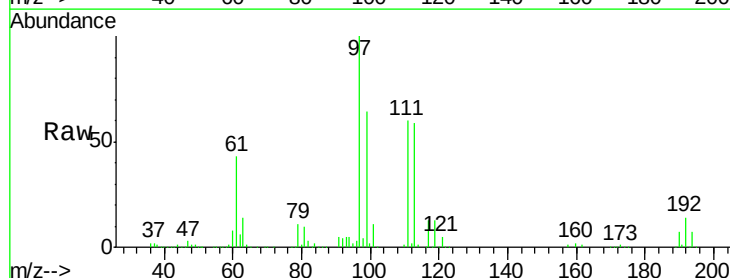
Tgt Ion: 97 Resp: 260296

Ion Ratio Lower Upper

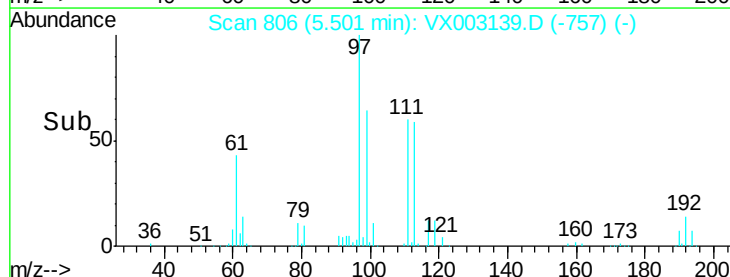
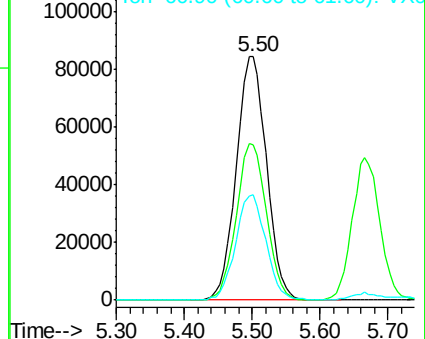
97 100

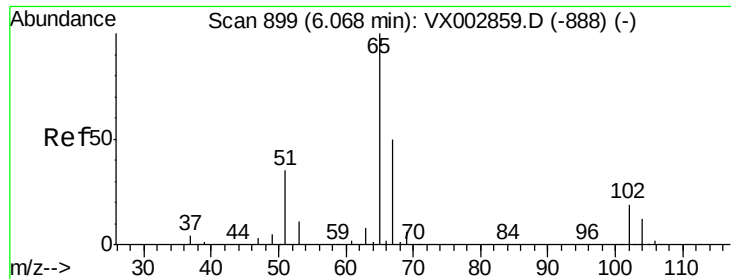
99 64.2 51.6 77.4

61 43.4 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

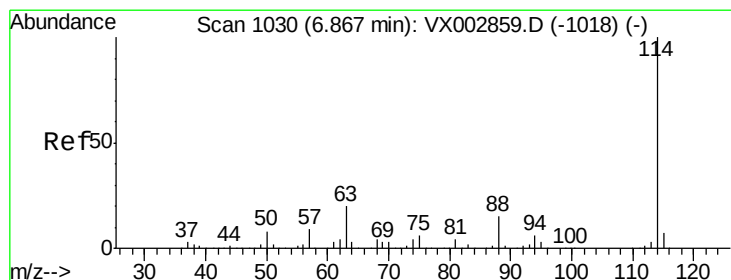
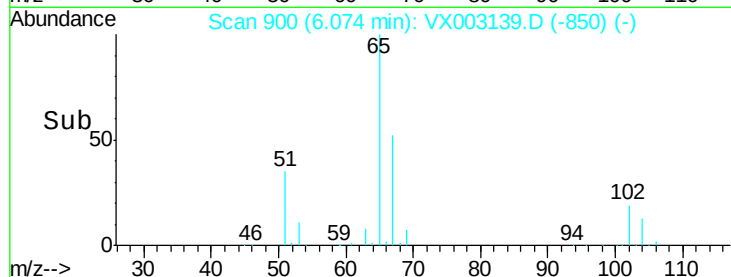
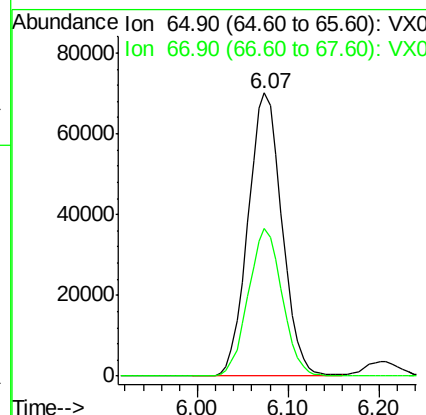
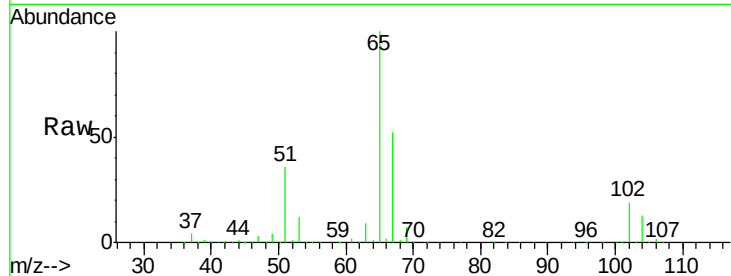




#33
 1,2-Dichloroethane-d4
 Concen: 45.84 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

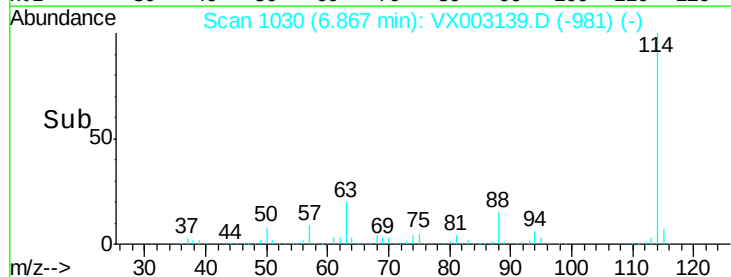
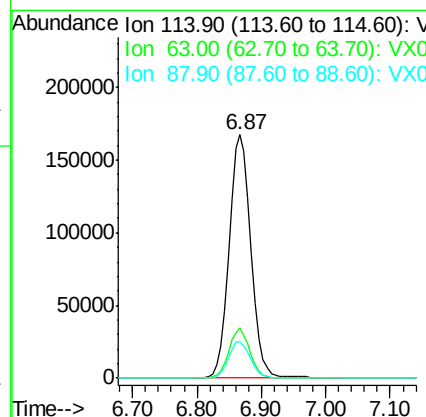
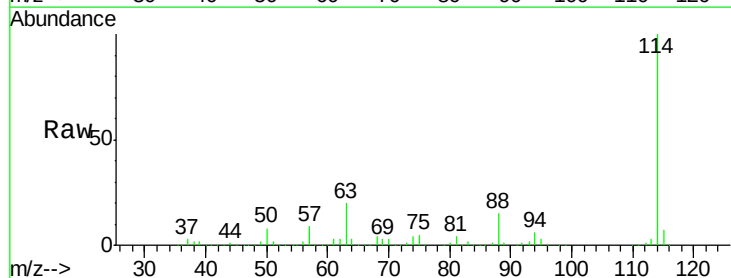
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

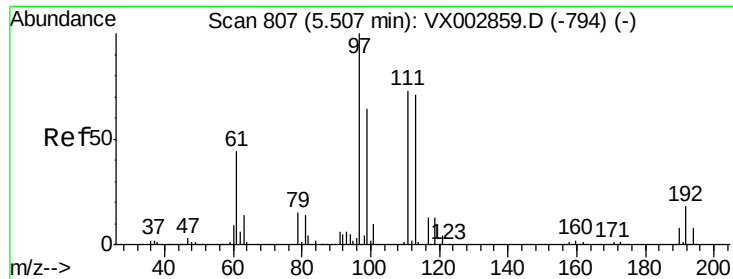
Tot Ion: 65 Resp: 181801
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 114 Resp: 398588
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.1 0.0 30.0

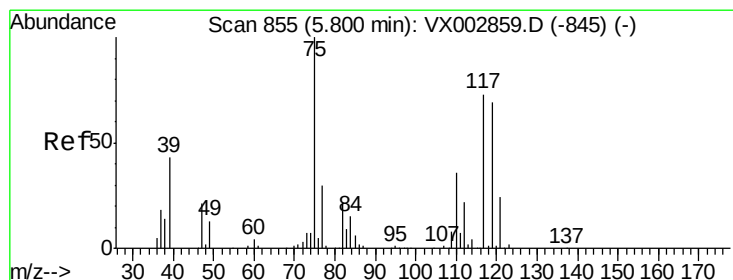
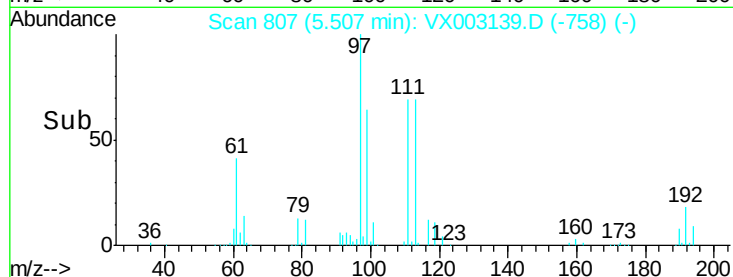
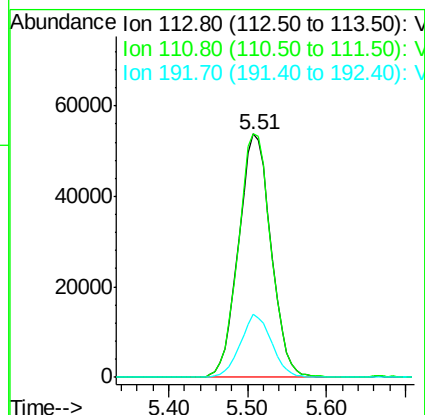
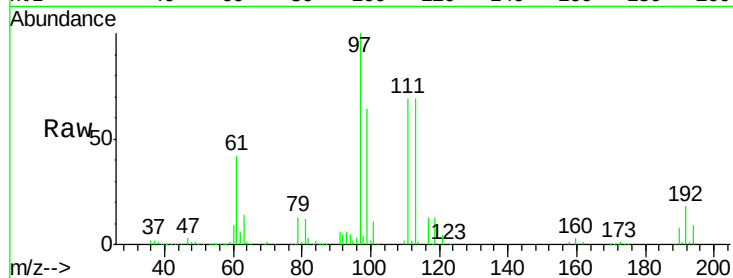




#35
 Dibromofluoromethane
 Concen: 48.76 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

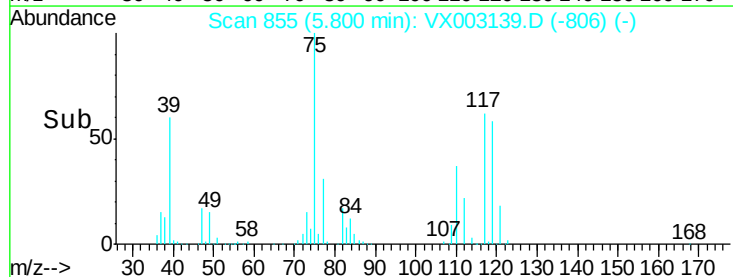
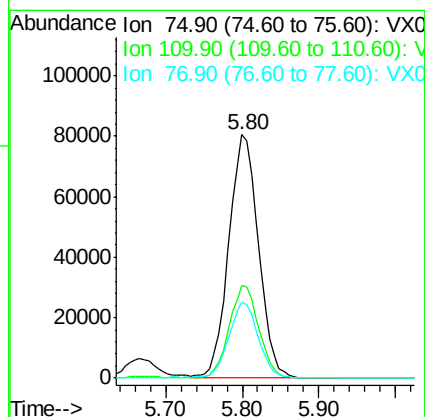
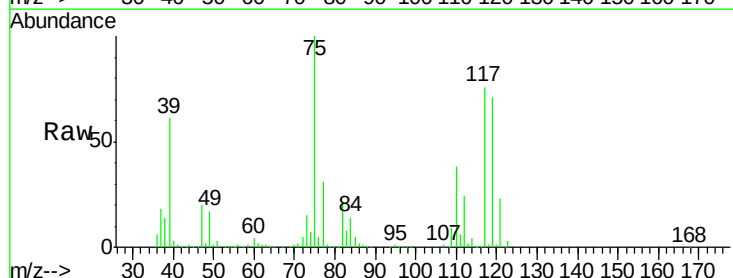
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

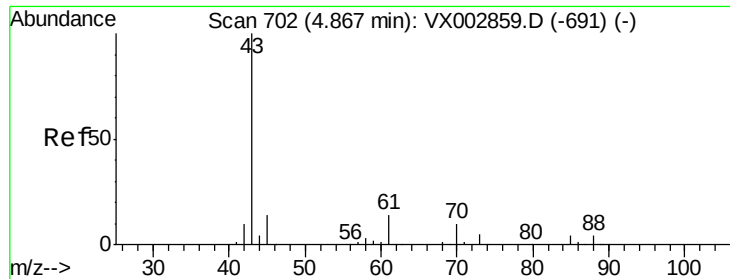
Tot Ion:113 Resp: 153907
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.4 122.0
 192 24.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 49.33 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 75 Resp: 215639
 Ion Ratio Lower Upper
 75 100
 110 38.0 18.1 54.4
 77 30.7 24.3 36.5

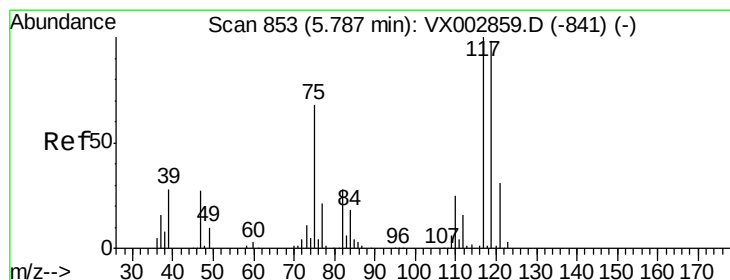
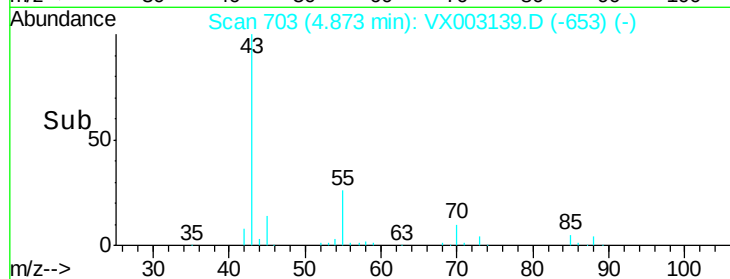
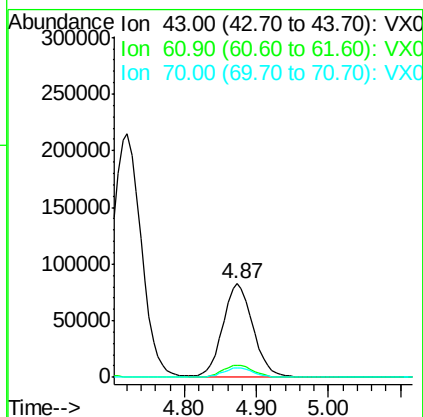
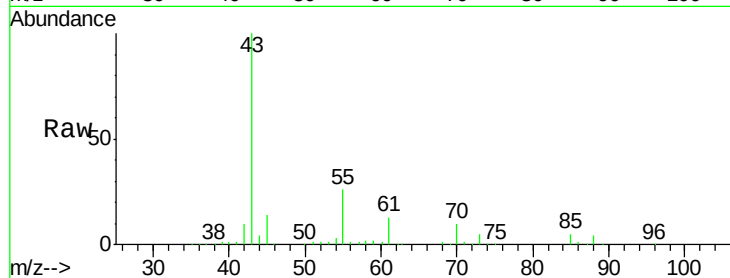




#37
Ethyl Acetate
Concen: 51.08 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

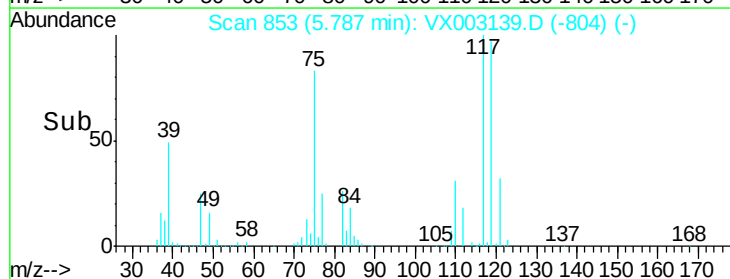
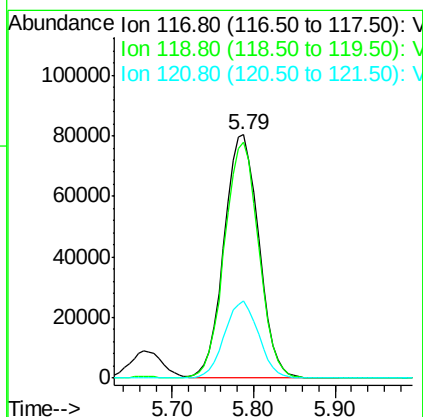
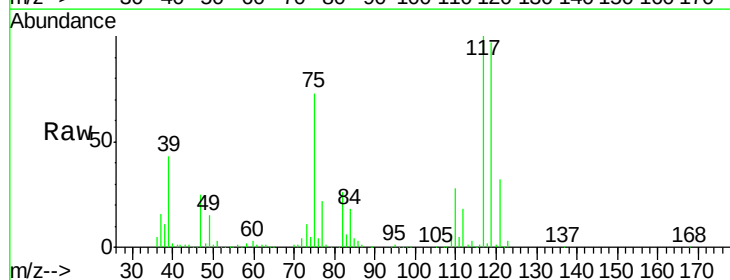
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

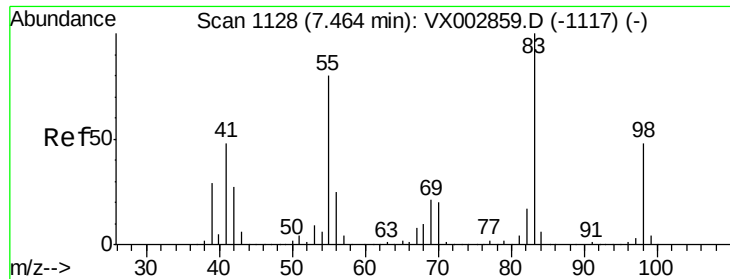
Tot Ion: 43 Resp: 240390
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.30 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 117 Resp: 236461
Ion Ratio Lower Upper
117 100
119 96.9 77.4 116.0
121 31.5 24.4 36.6

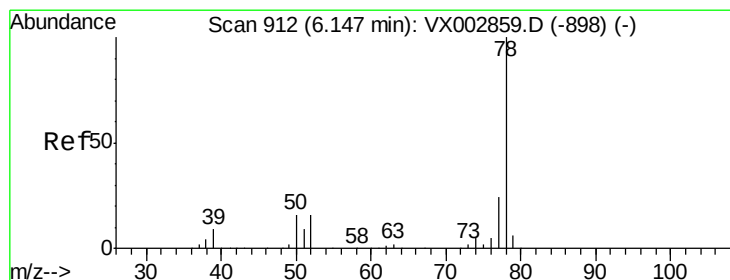
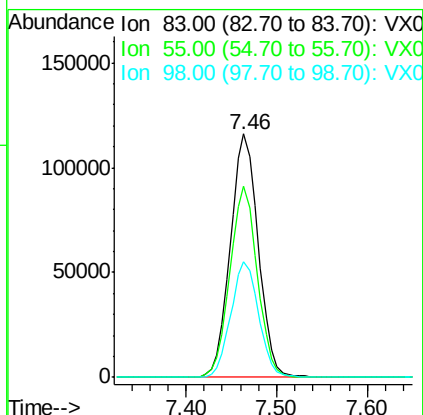
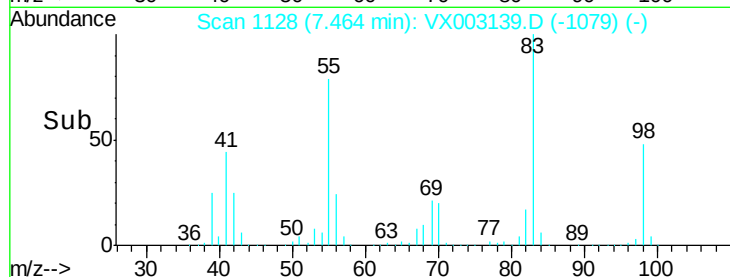
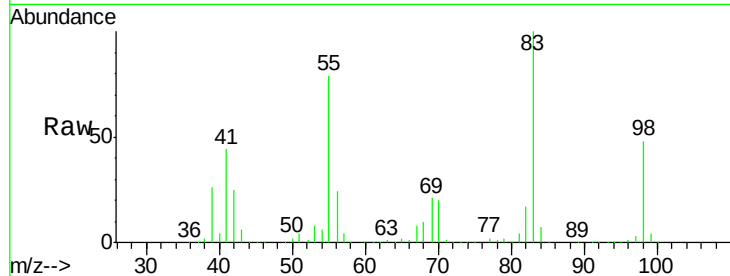




#39
Methylvlcyclohexane
Concen: 48.76 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

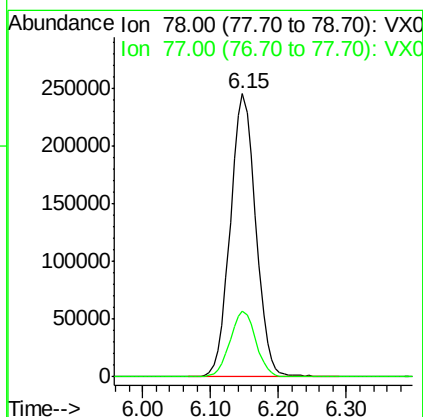
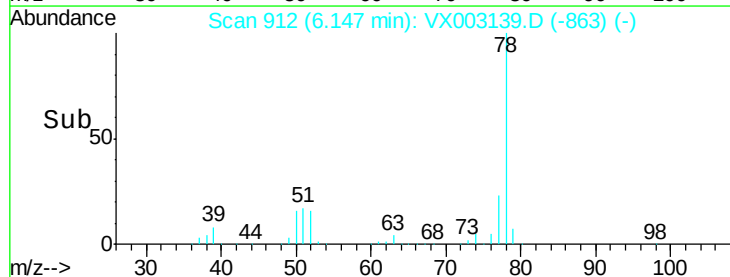
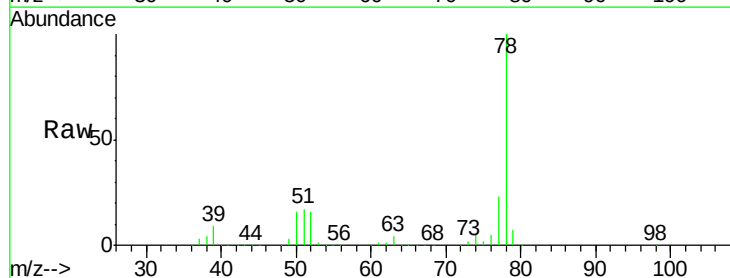
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

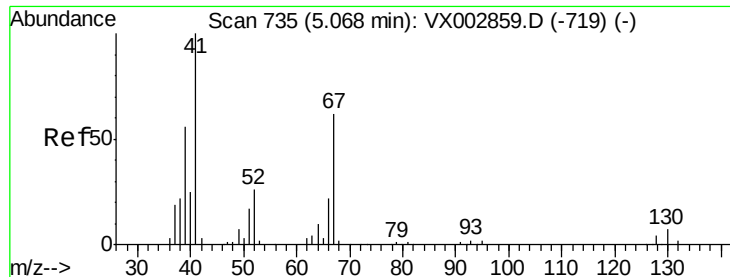
Tot Ion: 83 Resp: 248269
Ion Ratio Lower Upper
83 100
55 78.6 65.4 98.0
98 47.7 37.4 56.0



#40
Benzene
Concen: 50.35 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 78 Resp: 639408
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

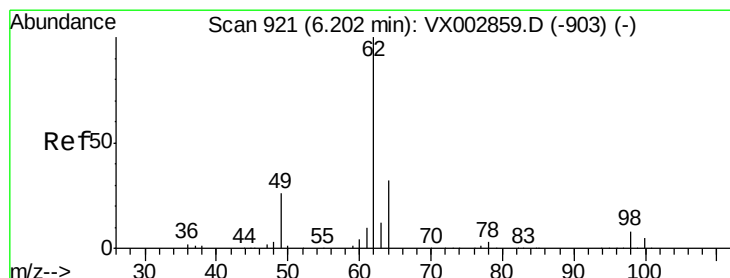
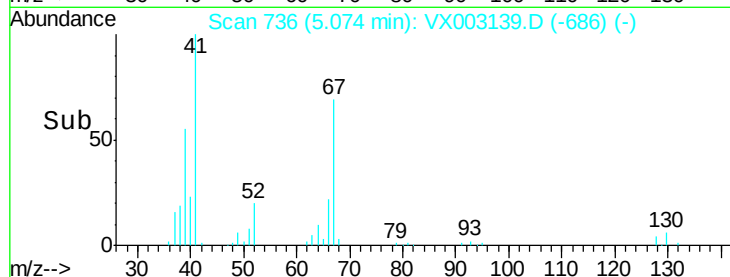
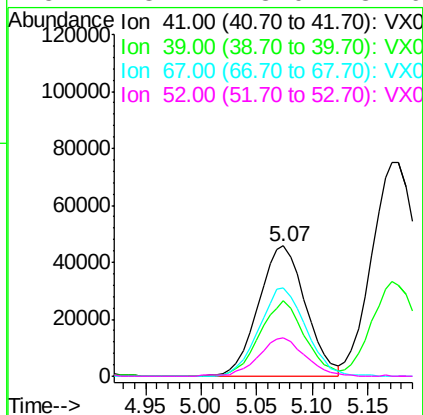
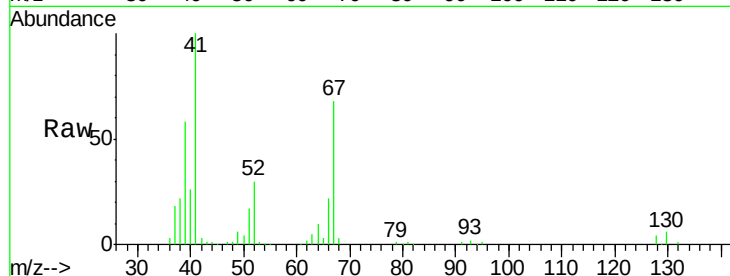




#41
Methacrylonitrile
Concen: 49.77 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

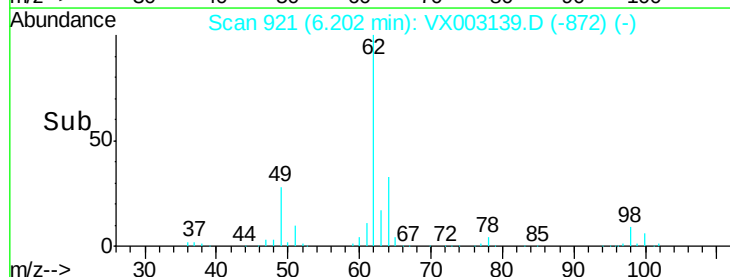
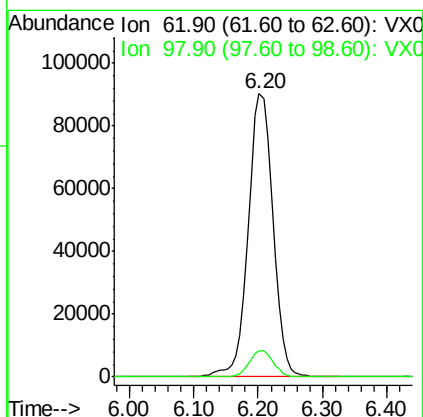
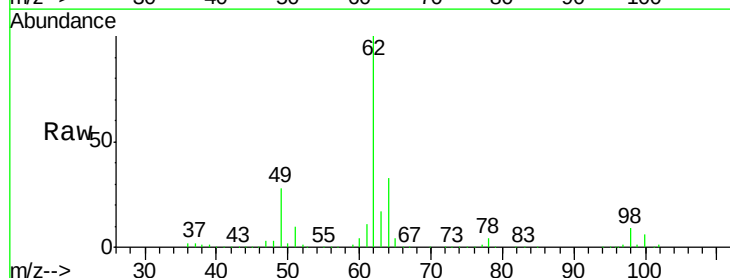
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

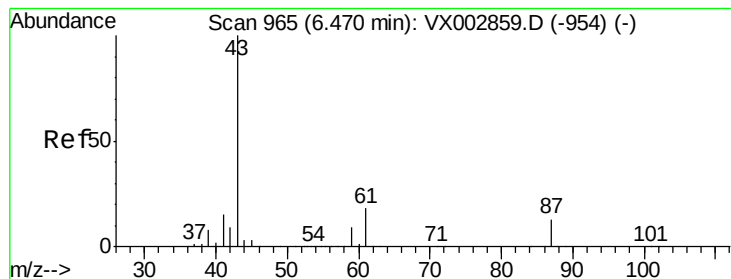
Tot Ion:	41	Resp:	134881
Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.8	68.6
67	67.6	51.3	76.9
52	28.7	23.0	34.6



#42
1,2-Dichloroethane
Concen: 46.31 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion:	62	Resp:	237604
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 48.94 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

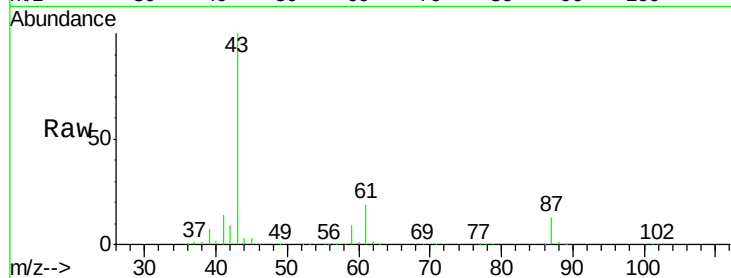
Tot Ion: 43 Resp: 386319

Ion Ratio Lower Upper

43 100

61 18.9 14.4 21.6

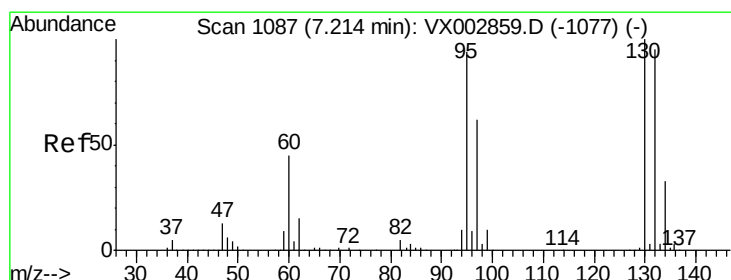
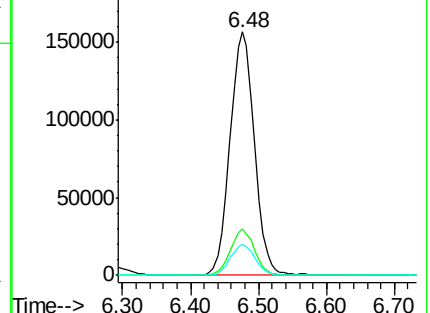
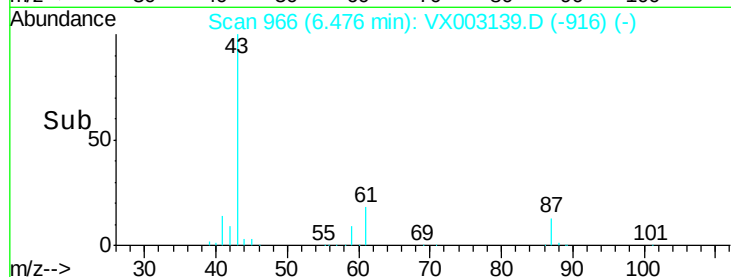
87 12.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.33 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003139.D

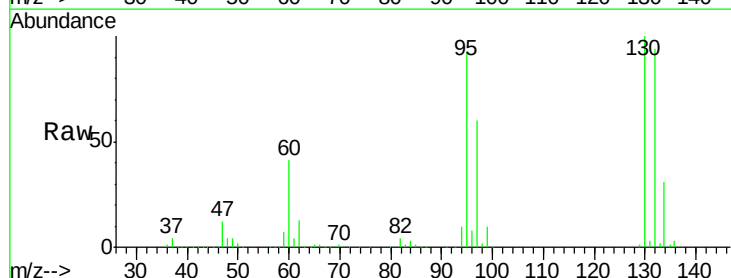
Acq: 02 Jul 2018 20:38

Tgt Ion:130 Resp: 186800

Ion Ratio Lower Upper

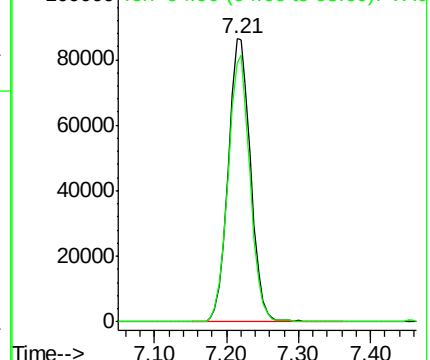
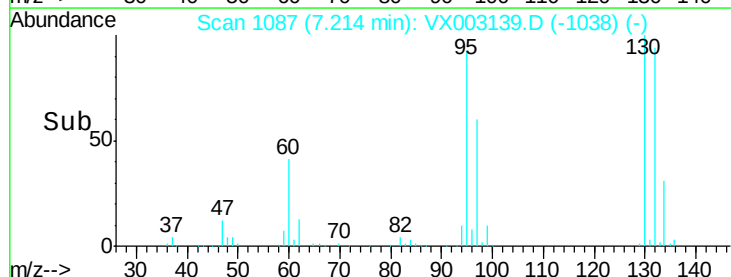
130 100

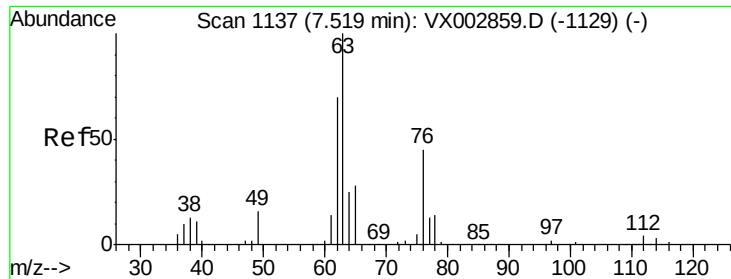
95 91.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

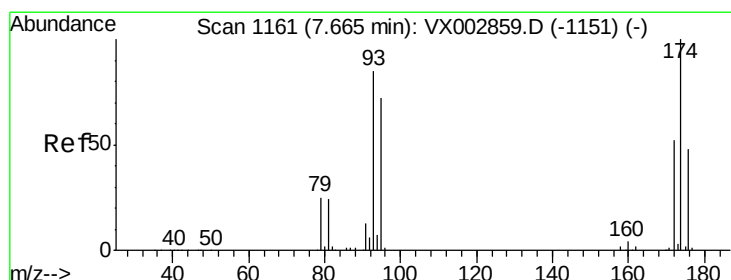
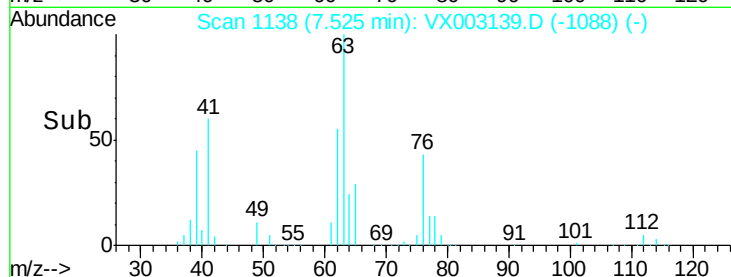
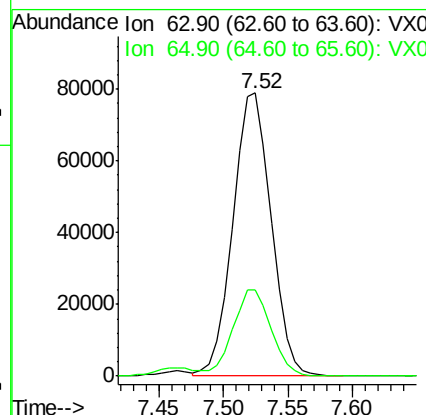
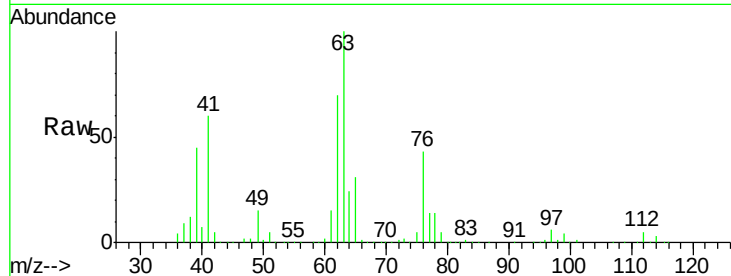




#45
 1,2-Dichloropropane
 Concen: 48.23 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

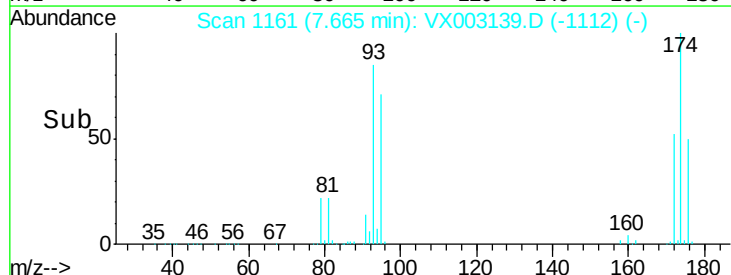
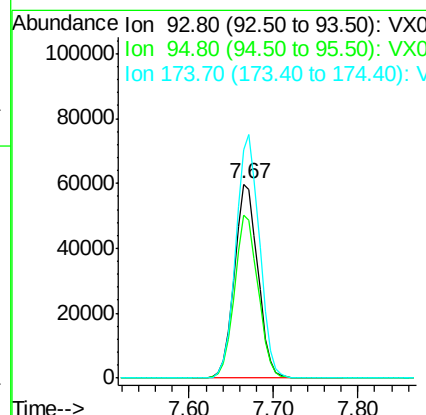
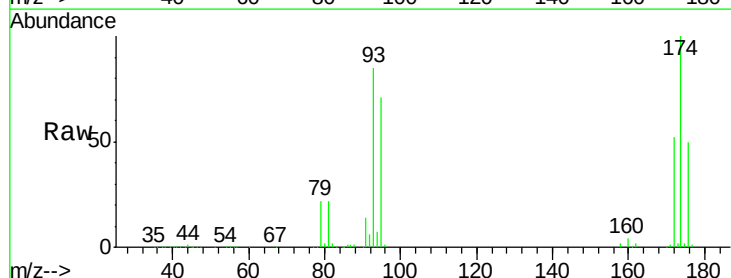
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

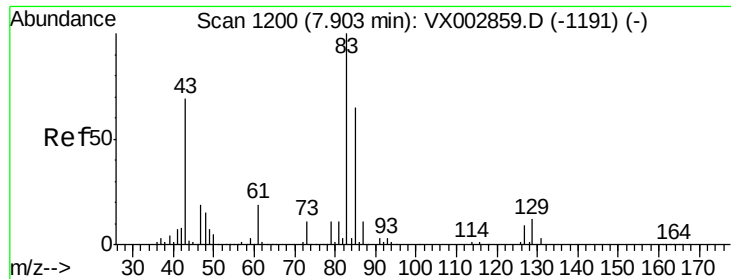
Tot Ion: 63 Resp: 162484
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1



#46
 Dibromomethane
 Concen: 48.29 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 93 Resp: 112906
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 125.3 92.4 138.6





#47

Bromodichloromethane

Concen: 50.59 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

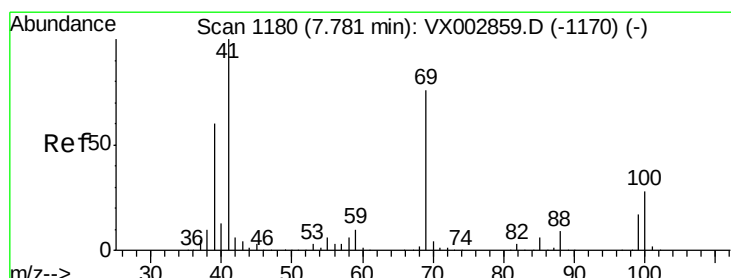
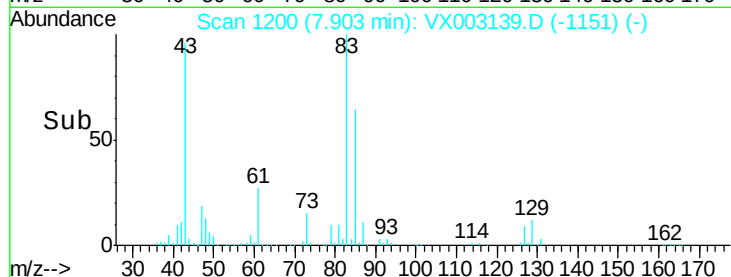
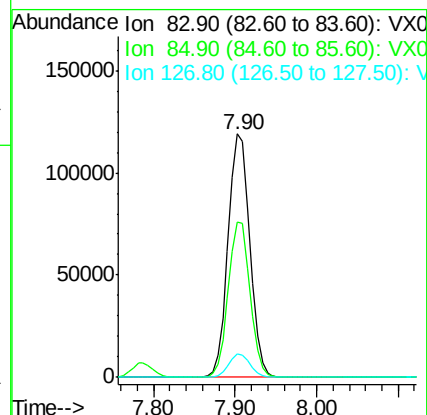
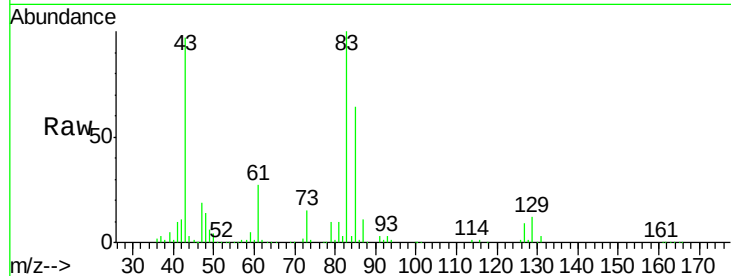
Tot Ion: 83 Resp: 218681

Ion Ratio Lower Upper

83 100

85 63.7 50.3 75.5

127 9.4 7.0 10.4



#48

Methyl methacrylate

Concen: 49.39 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

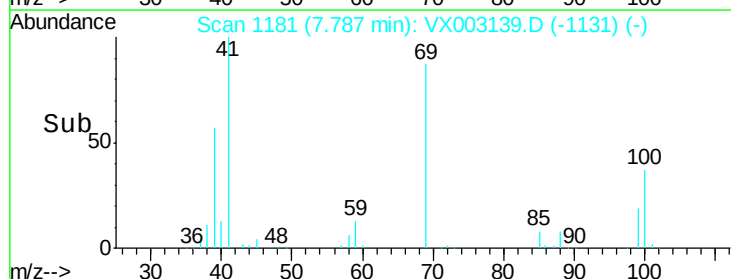
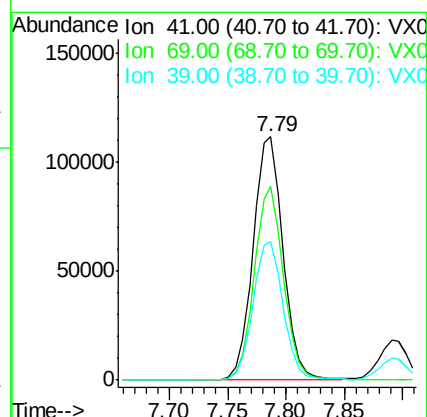
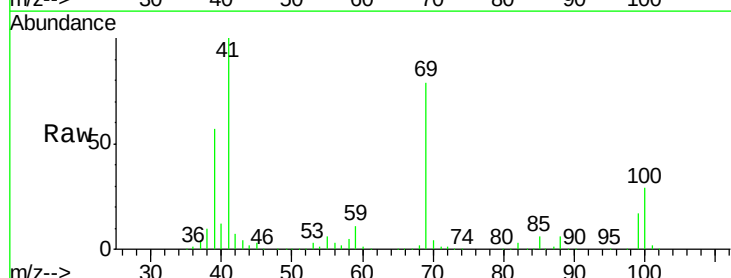
Tgt Ion: 41 Resp: 200876

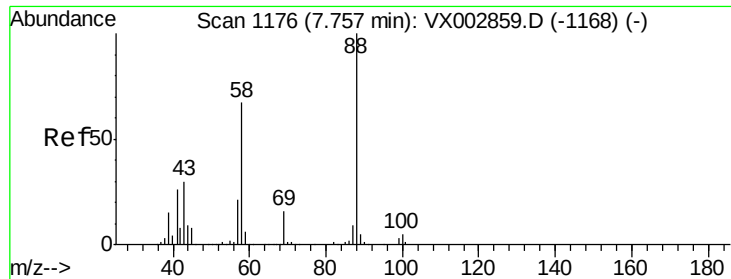
Ion Ratio Lower Upper

41 100

69 78.2 59.1 88.7

39 56.9 48.9 73.3





#49

1,4-Dioxane

Concen: 908.30 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

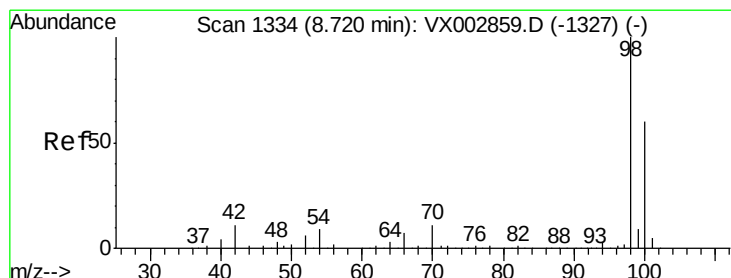
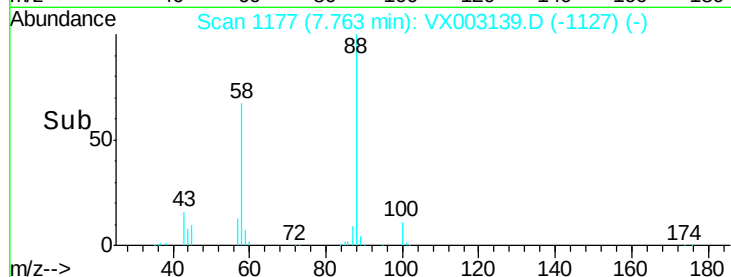
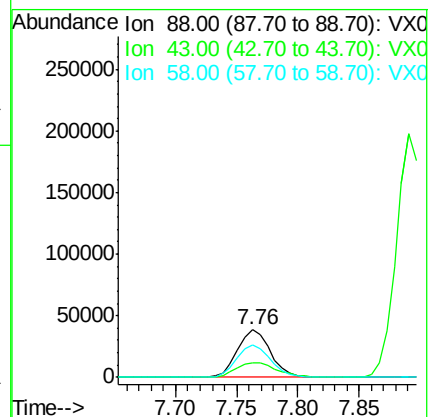
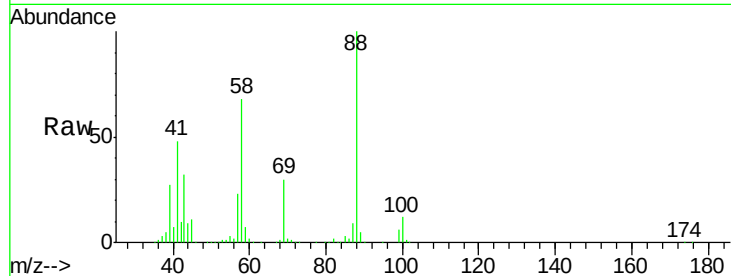
Tot Ion: 88 Resp: 71870

Ion Ratio Lower Upper

88 100

43 38.1 29.8 44.6

58 70.8 57.1 85.7



#50

Toluene-d8

Concen: 47.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003139.D

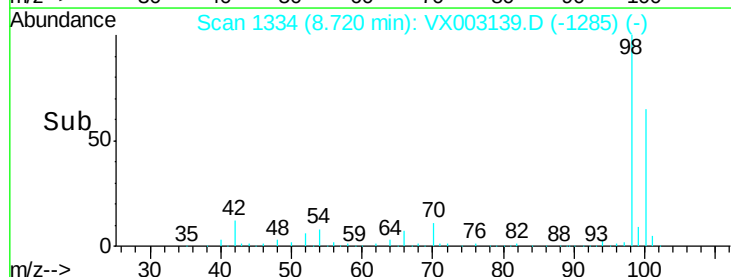
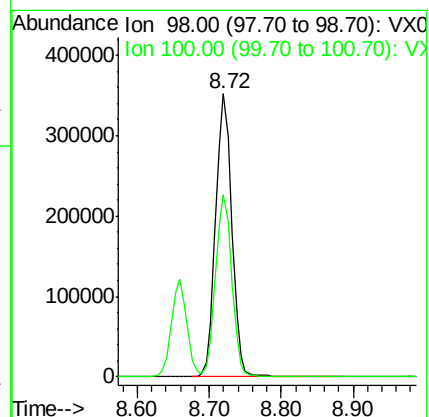
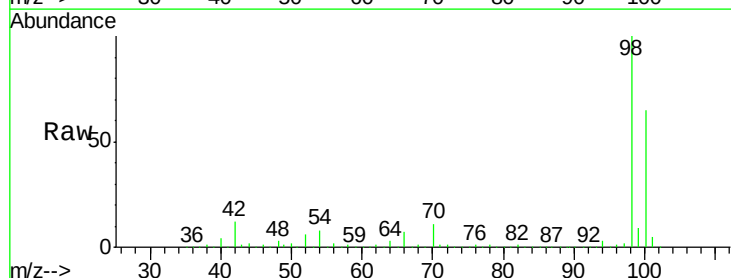
Acq: 02 Jul 2018 20:38

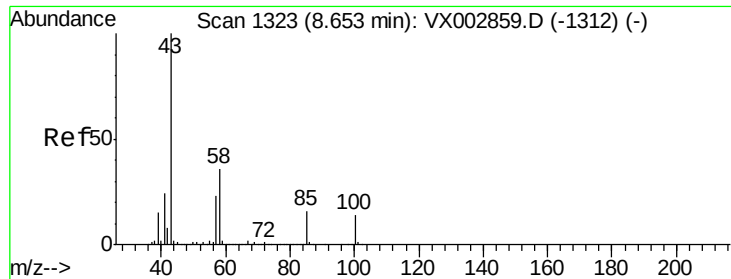
Tgt Ion: 98 Resp: 548791

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 249.34 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

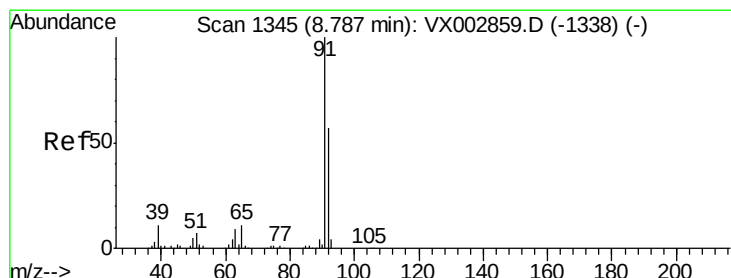
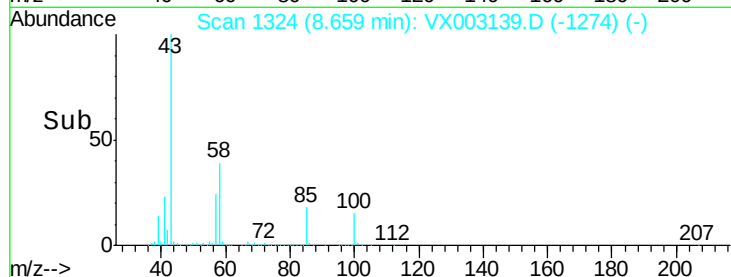
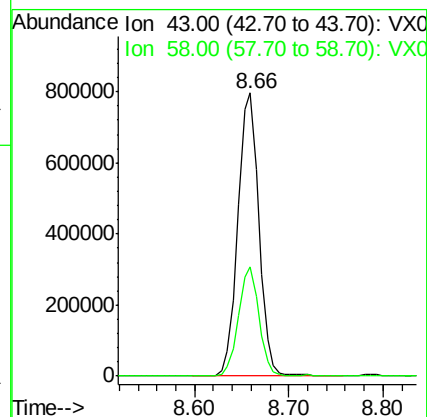
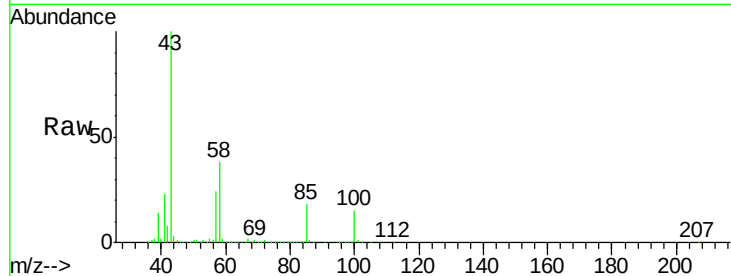
VSTDCCC050EC

Tot Ion: 43 Resp: 1231335

Ion Ratio Lower Upper

43 100

58 37.5 28.6 42.8



#52

Toluene

Concen: 50.34 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003139.D

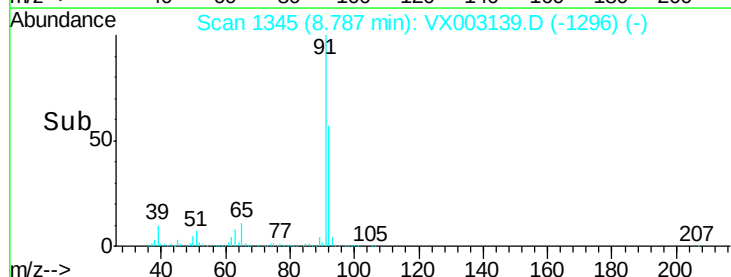
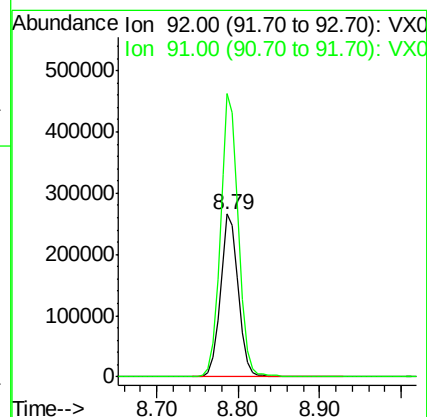
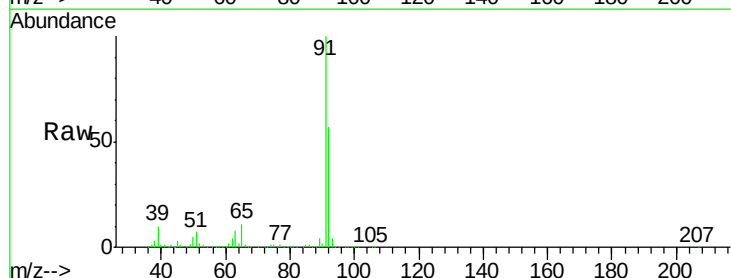
Acq: 02 Jul 2018 20:38

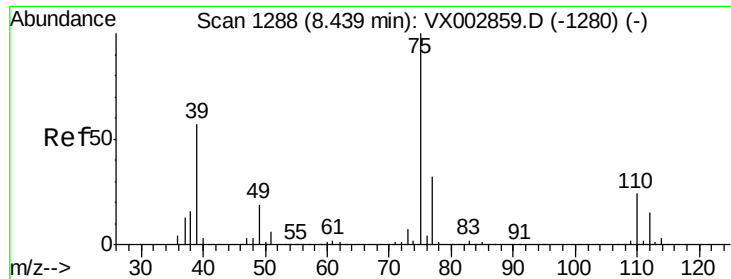
Tgt Ion: 92 Resp: 409594

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6

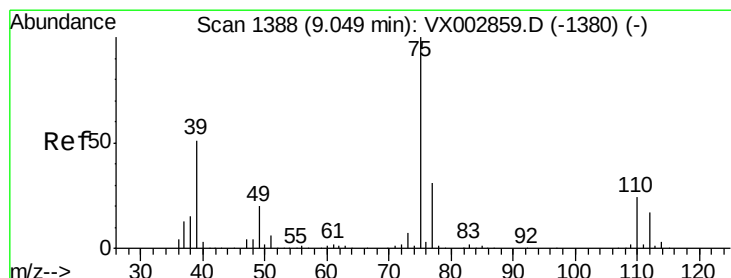
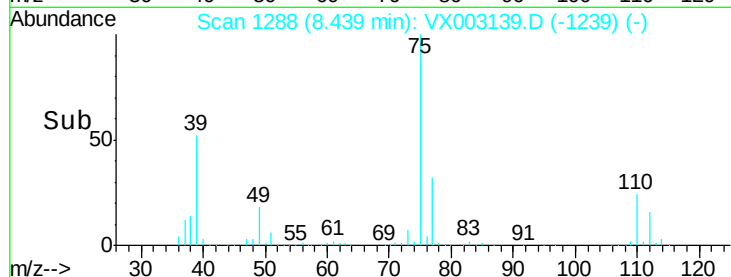
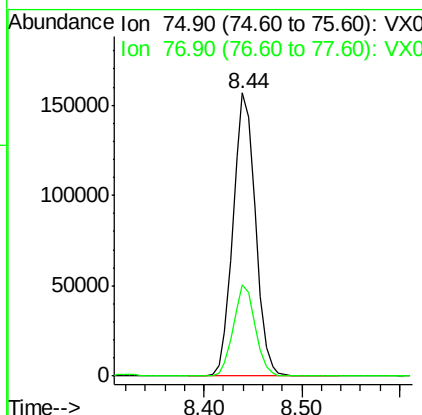
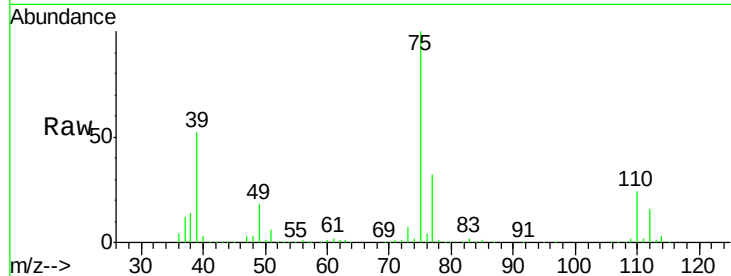




#53
t-1,3-Dichloropropene
Concen: 50.85 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

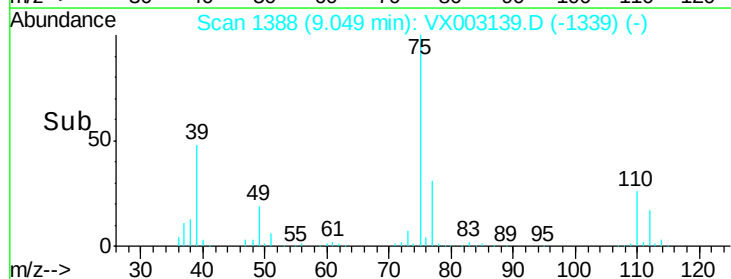
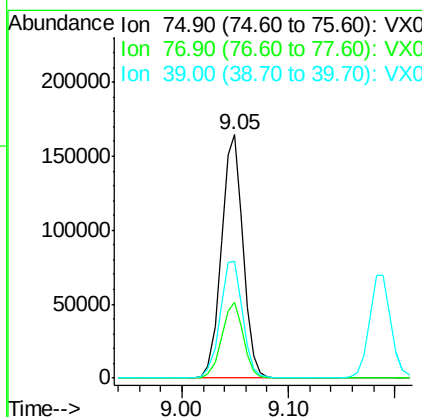
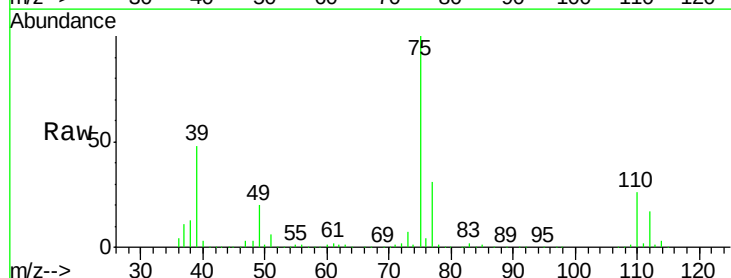
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

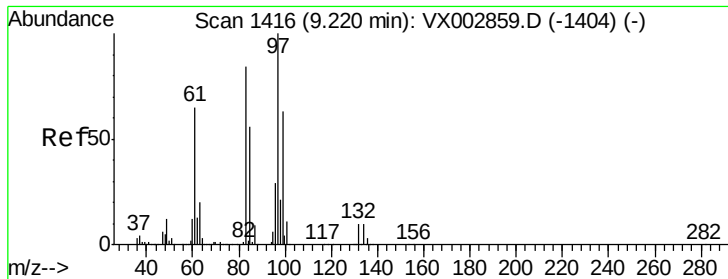
Tot Ion: 75 Resp: 248918
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 49.34 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 75 Resp: 232367
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 47.7 42.4 63.6

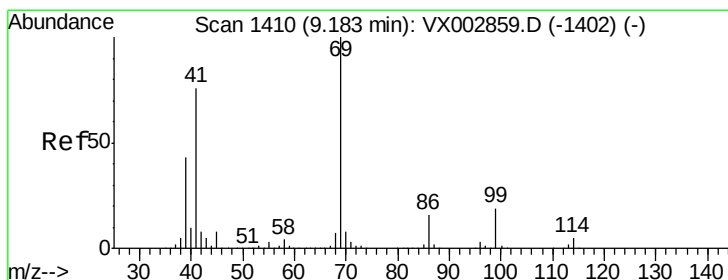
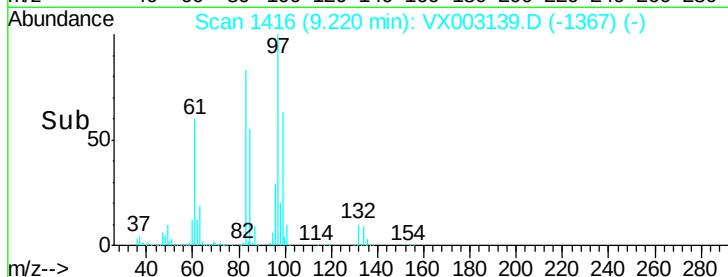
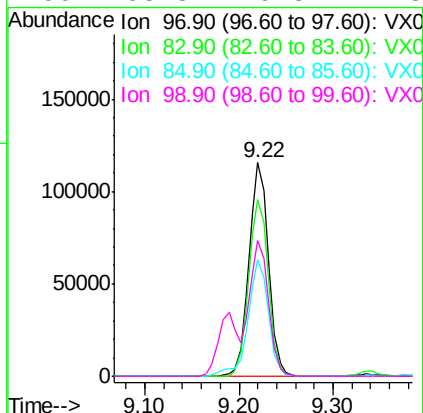
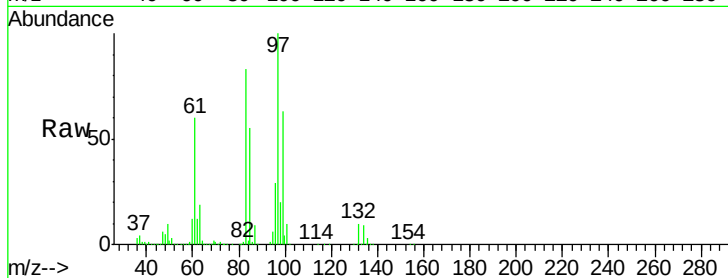




#55
 1,1,2-Trichloroethane
 Concen: 50.29 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

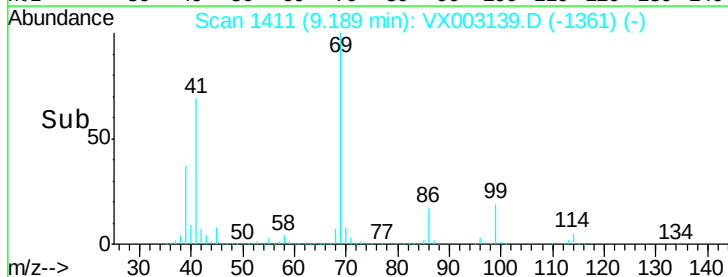
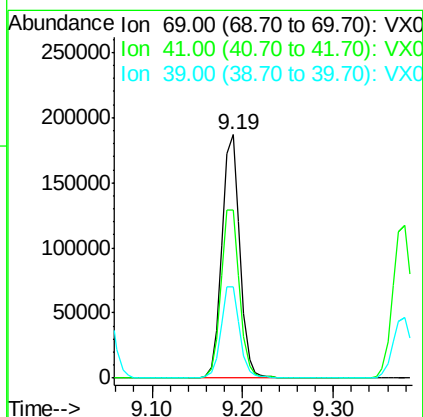
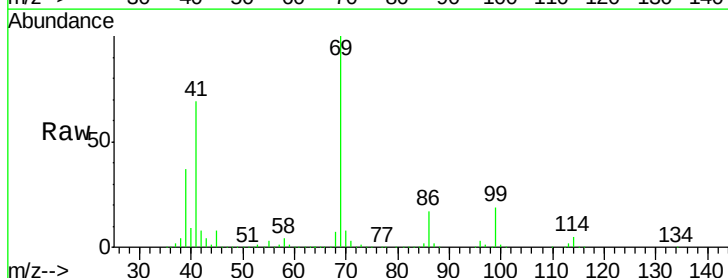
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

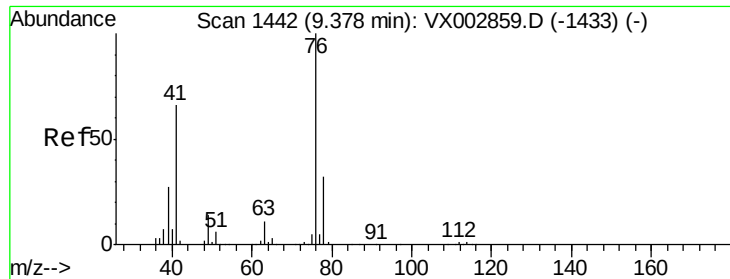
Tot Ion:	97	Resp:	168116
Ion	Ratio	Lower	Upper
97	100		
83	82.9	70.2	105.2
85	54.7	44.9	67.3
99	63.3	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 52.86 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion:	69	Resp:	258265
Ion	Ratio	Lower	Upper
69	100		
41	71.3	60.3	90.5
39	38.4	35.8	53.8

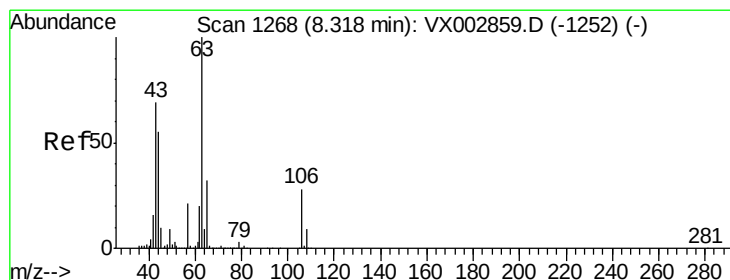
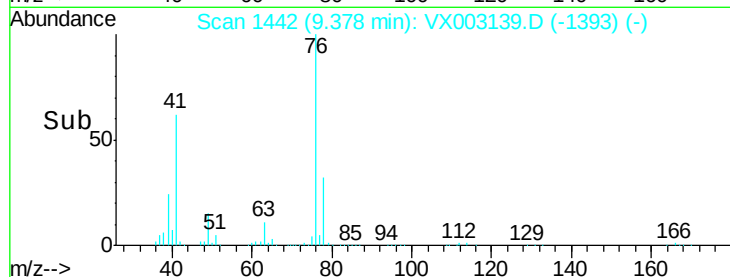
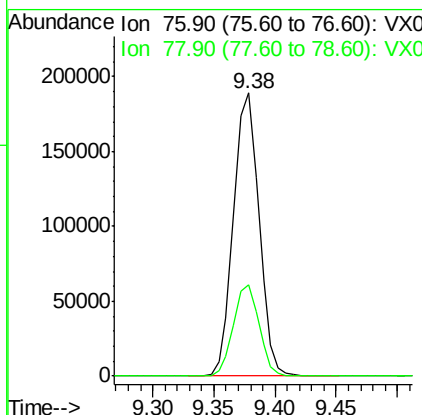
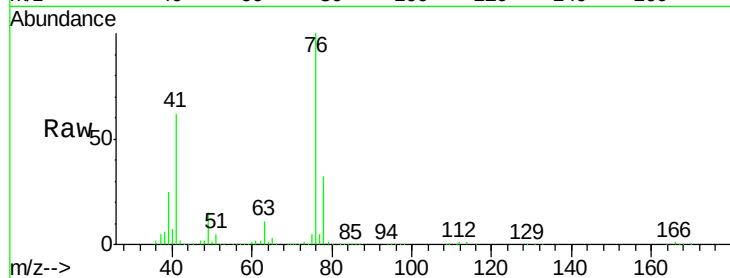




#57
 1,3-Dichloropropane
 Concen: 49.74 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

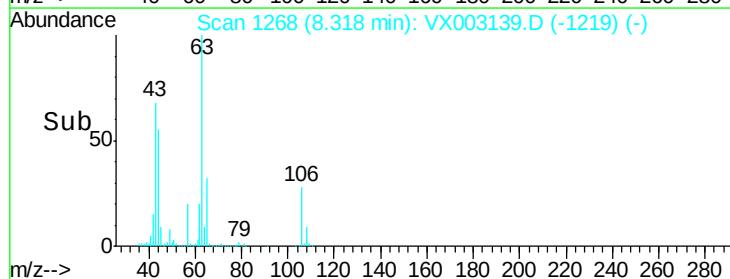
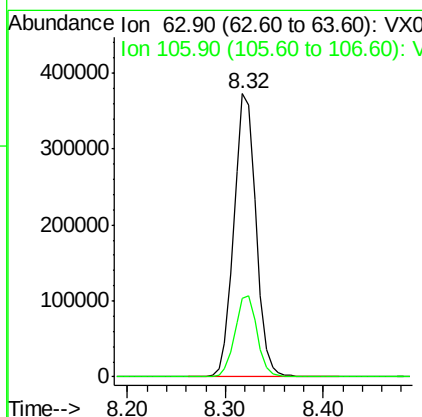
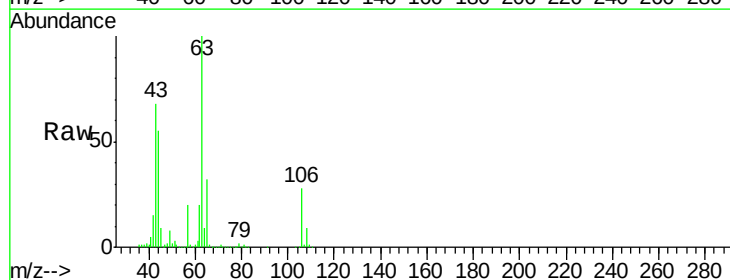
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

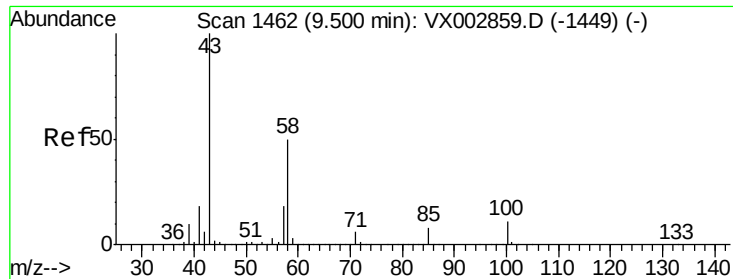
Tot Ion: 76 Resp: 273129
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.31 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 63 Resp: 582984
 Ion Ratio Lower Upper
 63 100
 106 28.8 21.8 32.8

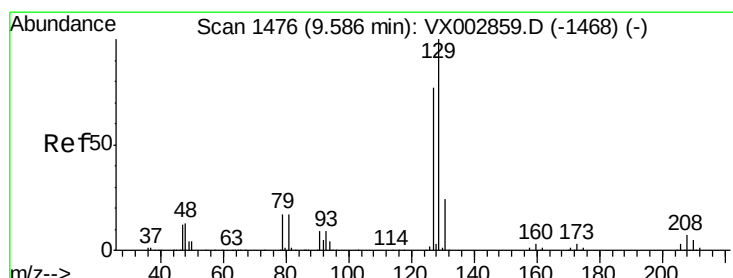
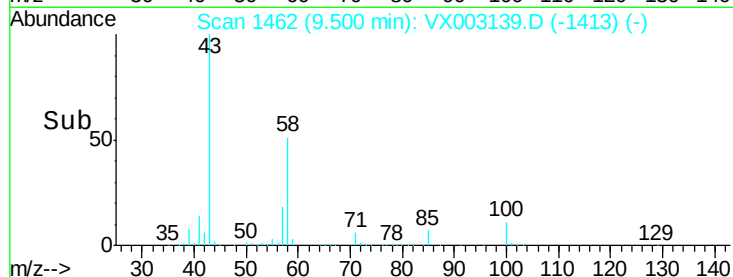
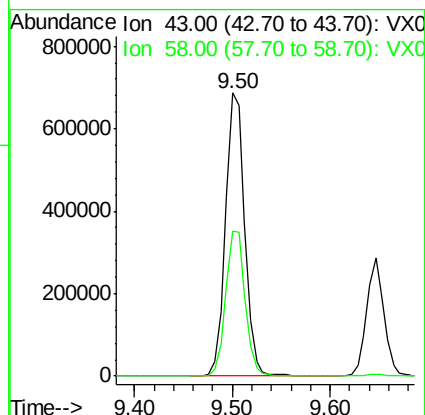
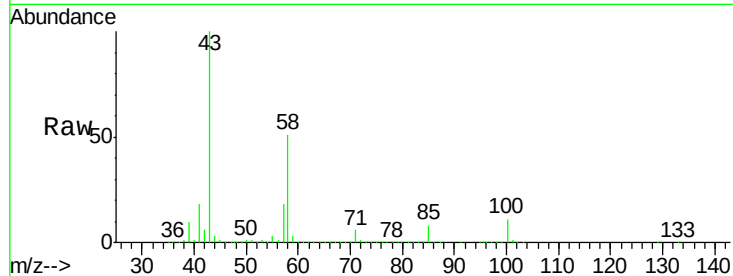




#59
2-Hexanone
Concen: 248.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

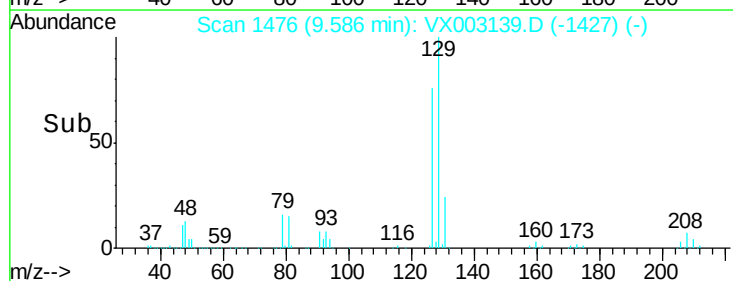
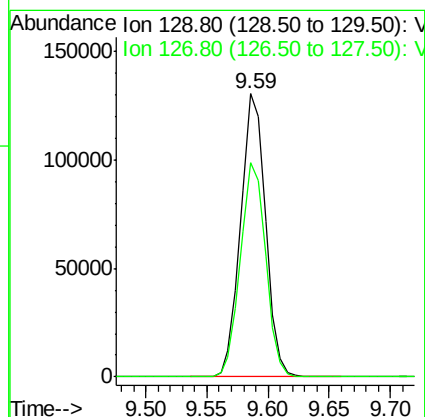
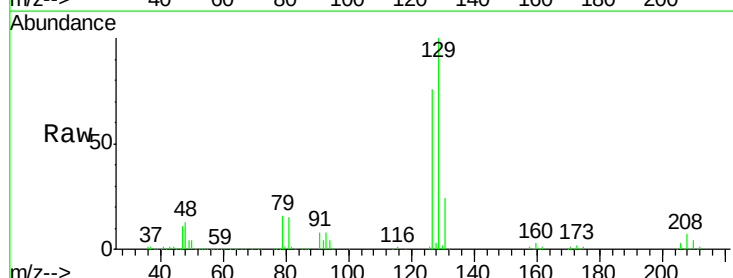
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

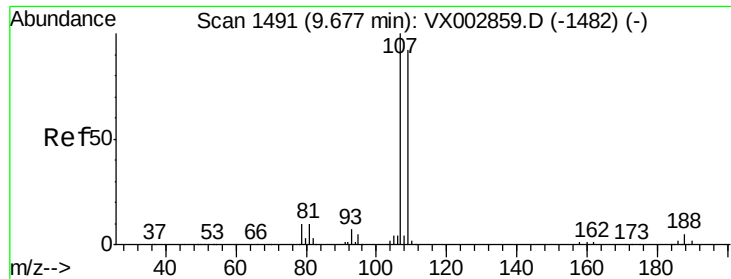
Tot Ion: 43 Resp: 933868
Ion Ratio Lower Upper
43 100
58 52.0 24.6 73.6



#60
Dibromochloromethane
Concen: 52.28 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 129 Resp: 183990
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

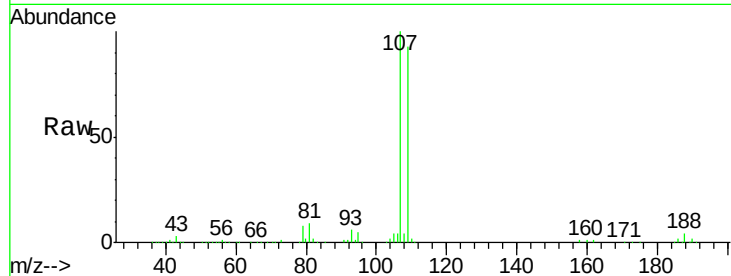
VSTDCCC050EC

Tot Ion:107 Resp: 180156

Ion Ratio Lower Upper

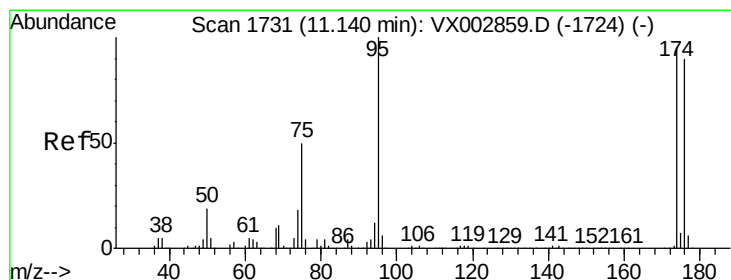
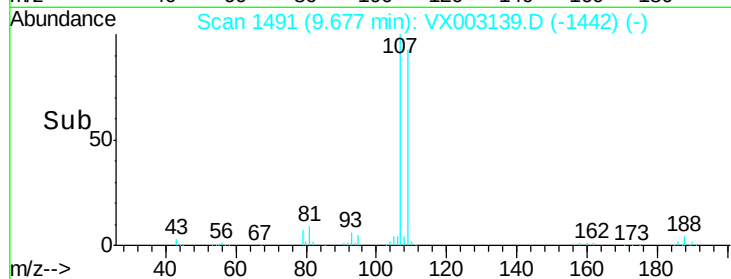
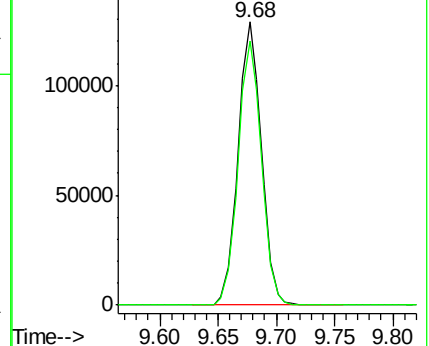
107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

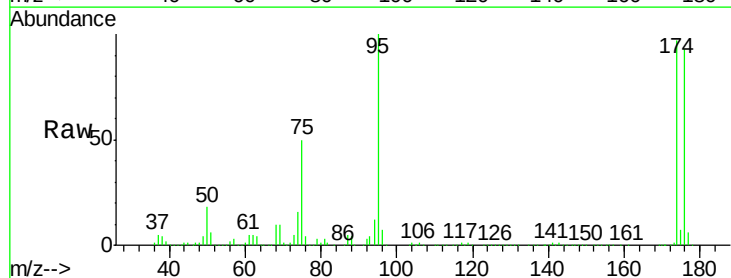
Tgt Ion: 95 Resp: 213279

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

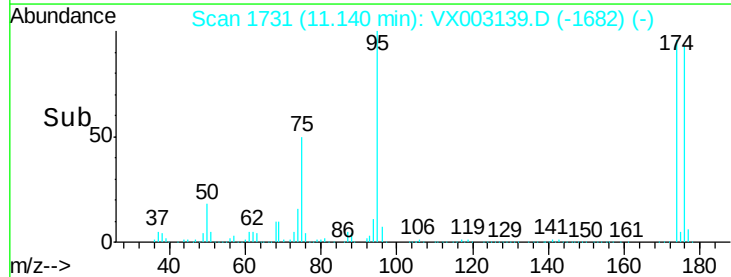
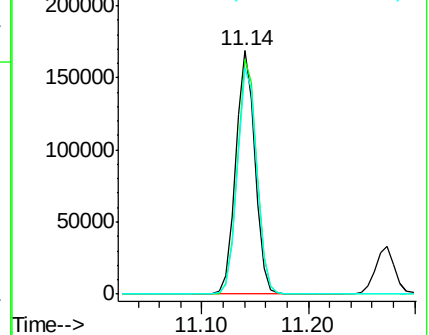
176 94.8 0.0 181.0

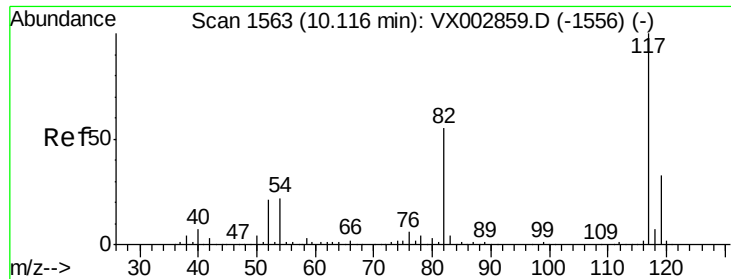


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

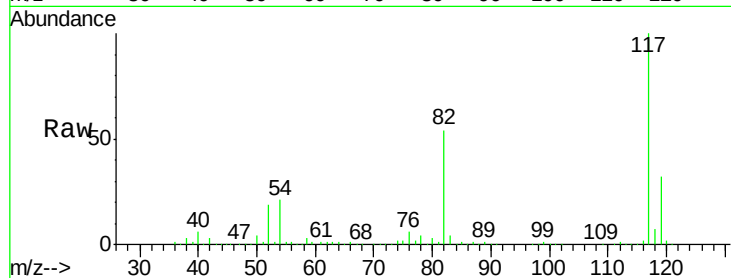
Tot Ion:117 Resp: 376697

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

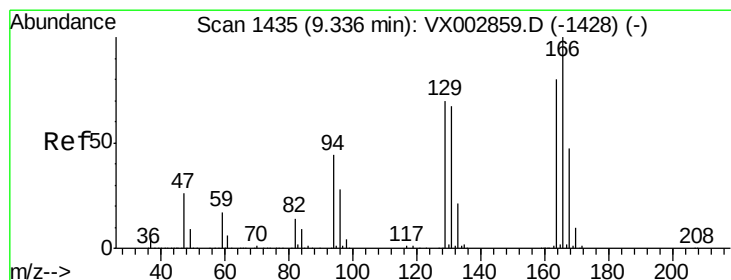
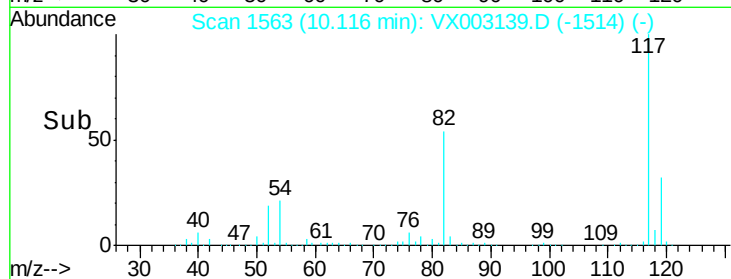
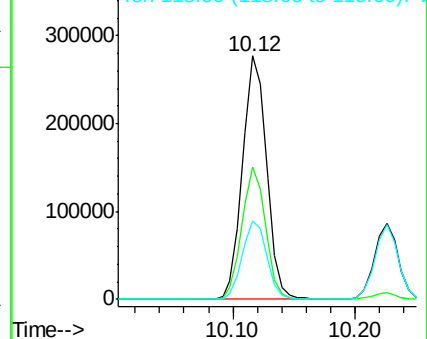
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.63 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:164 Resp: 216240

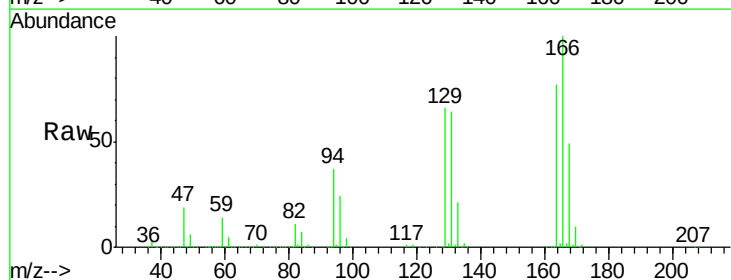
Ion Ratio Lower Upper

164 100

166 129.8 102.9 154.3

129 86.0 68.6 102.8

131 82.9 66.8 100.2

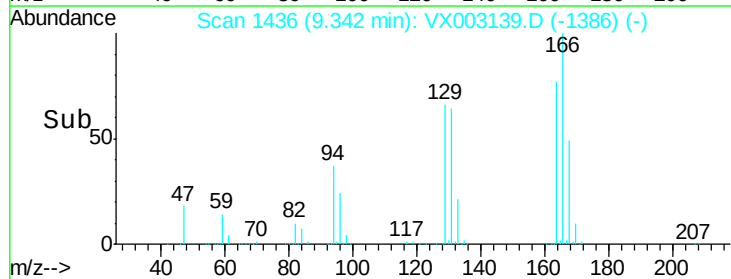
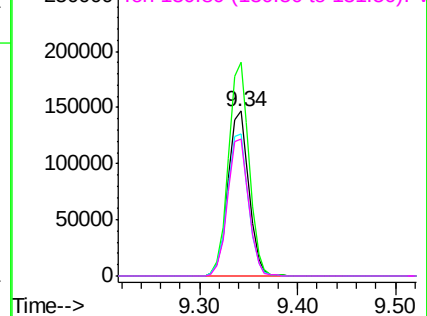


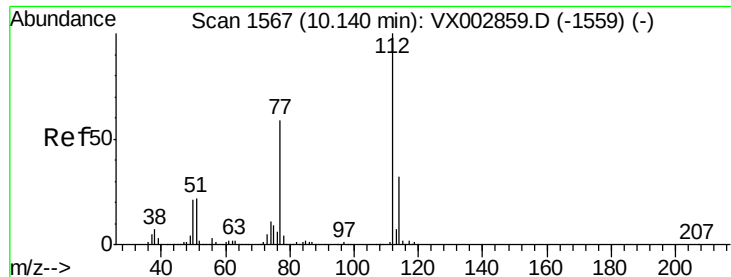
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.43 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

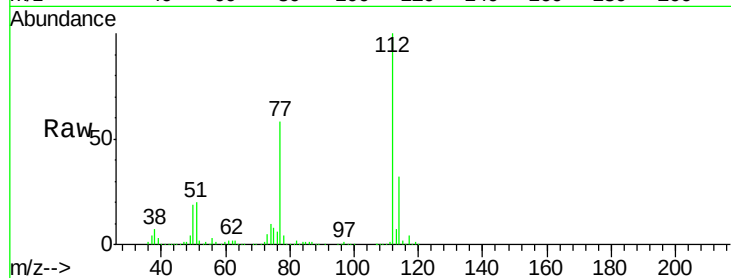
VSTDCCC050EC

Tot Ion:112 Resp: 472946

Ion Ratio Lower Upper

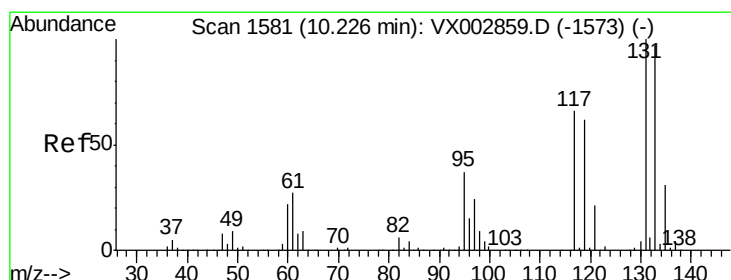
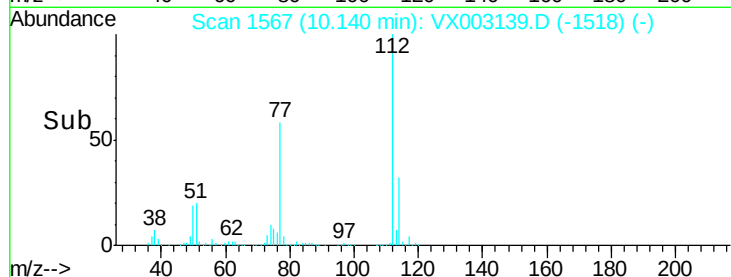
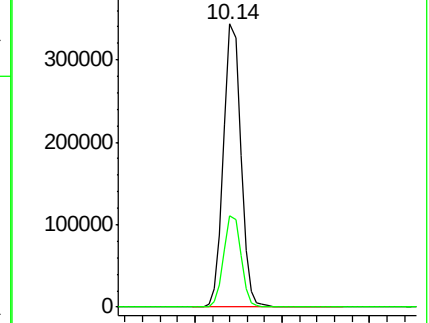
112 100

114 32.4 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.70 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

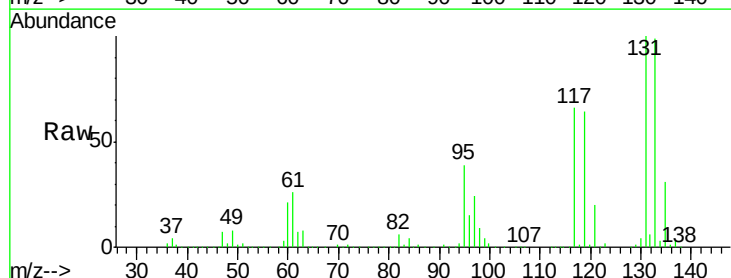
Tgt Ion:131 Resp: 176209

Ion Ratio Lower Upper

131 100

133 96.8 47.9 143.6

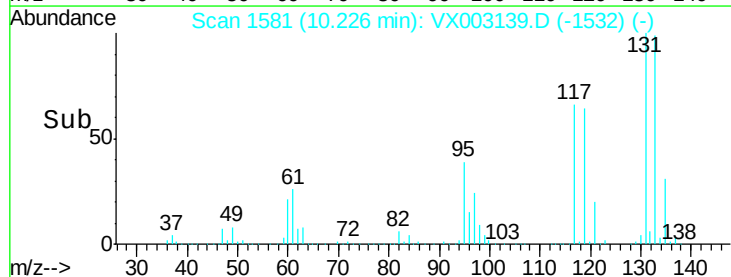
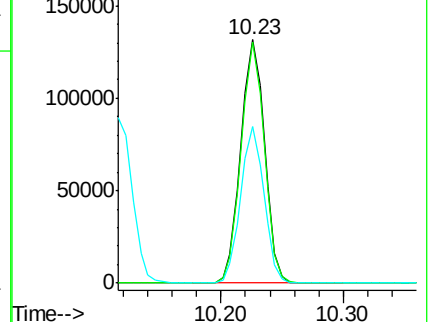
119 63.2 31.8 95.3

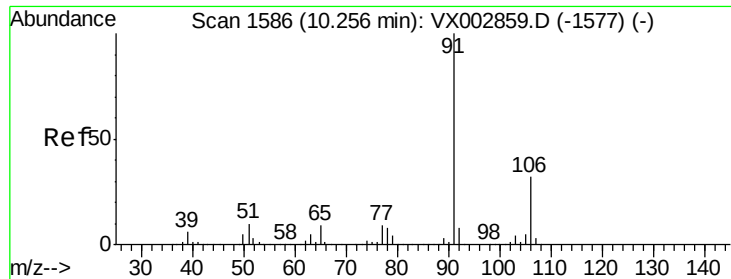


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

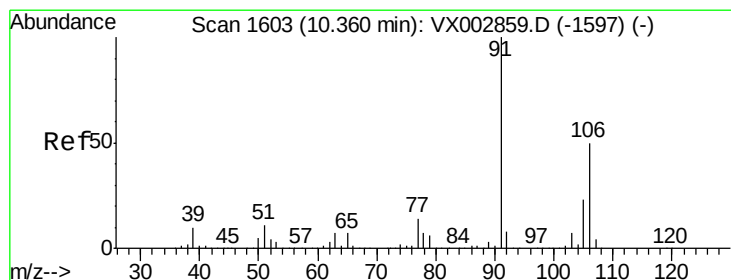
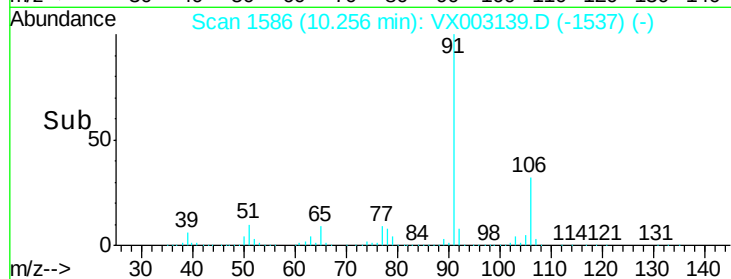
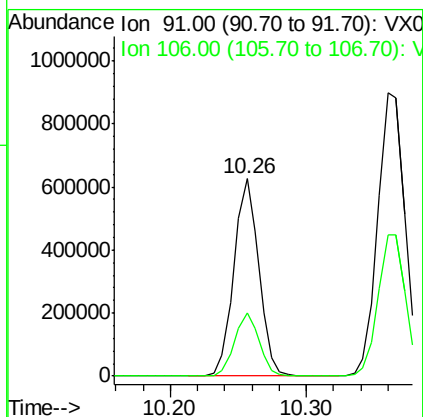
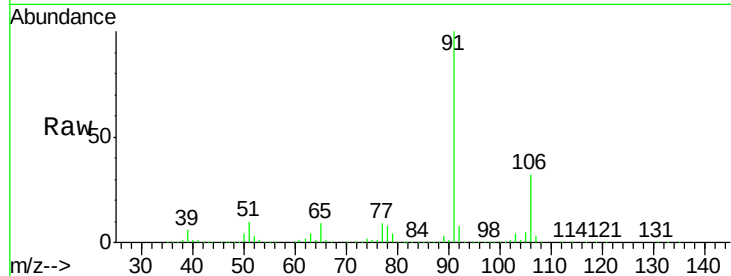




#67
Ethyl Benzene
Concen: 50.50 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

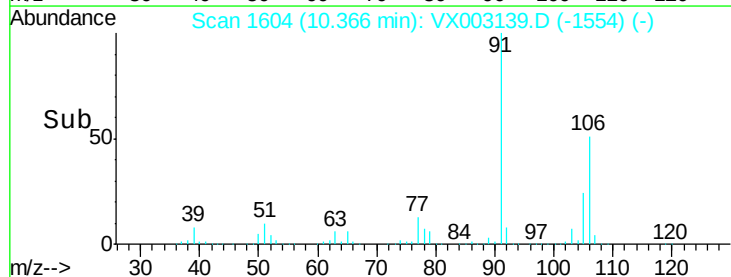
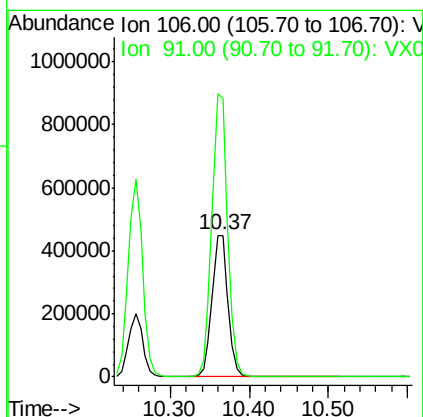
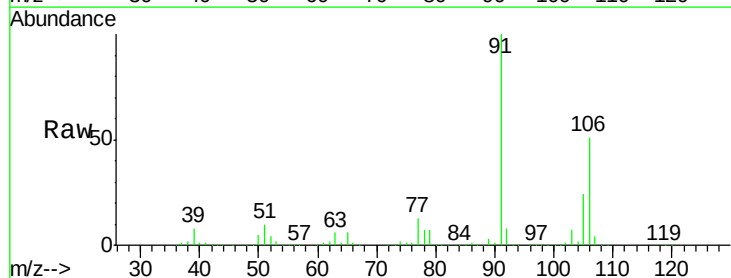
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

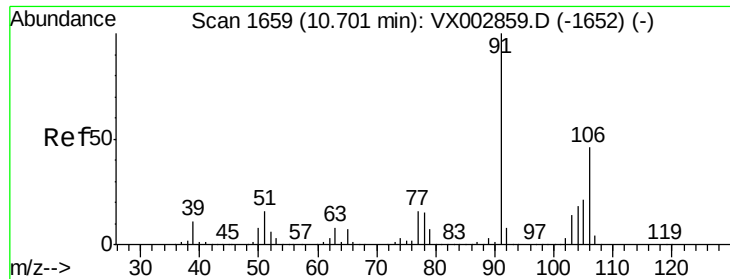
Tot Ion: 91 Resp: 798162
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 103.58 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 106 Resp: 630939
Ion Ratio Lower Upper
106 100
91 198.6 163.4 245.2

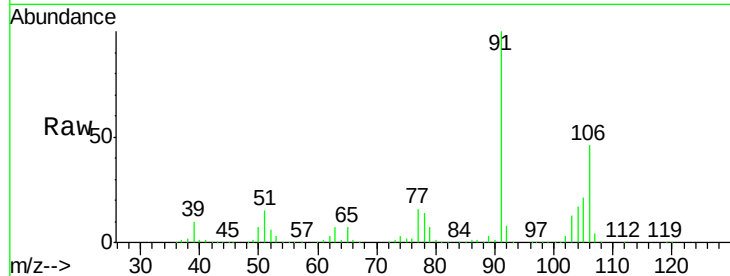




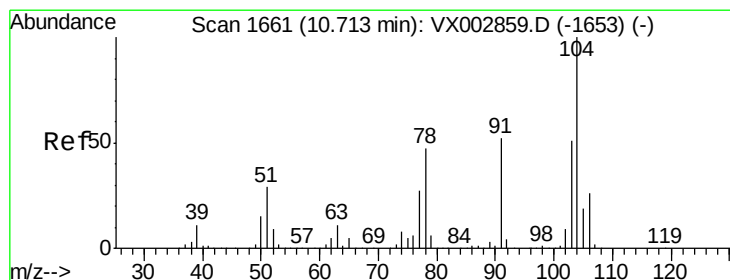
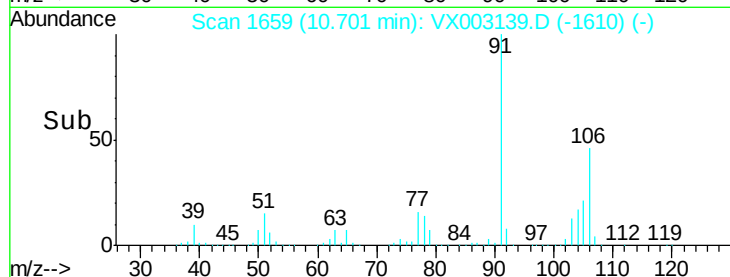
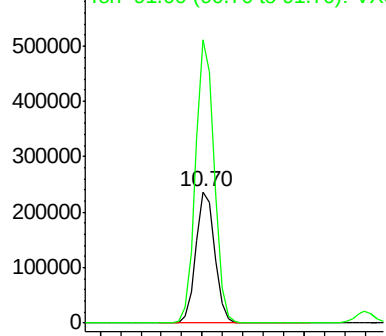
#69
o-Xylene
Concen: 51.35 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 304593
Ion Ratio Lower Upper
106 100
91 213.3 108.2 324.6

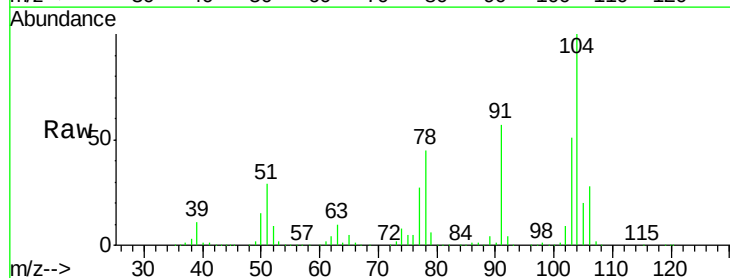


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

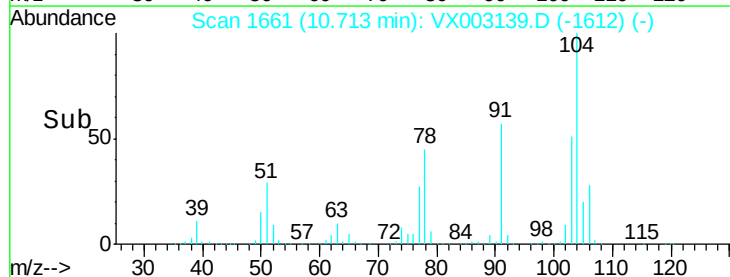
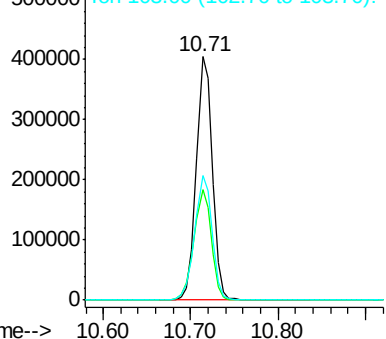


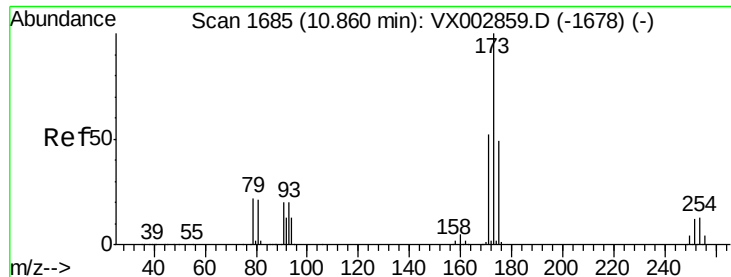
#70
Styrene
Concen: 53.10 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion:104 Resp: 511763
Ion Ratio Lower Upper
104 100
78 49.3 41.0 61.6
103 55.6 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

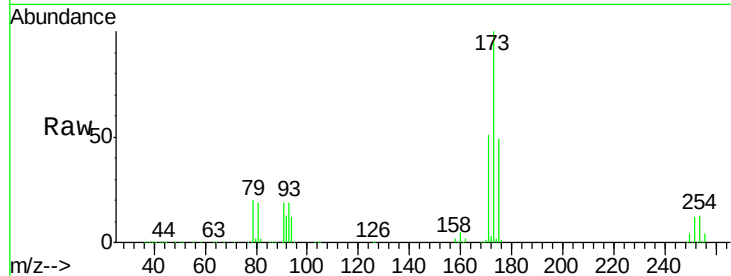




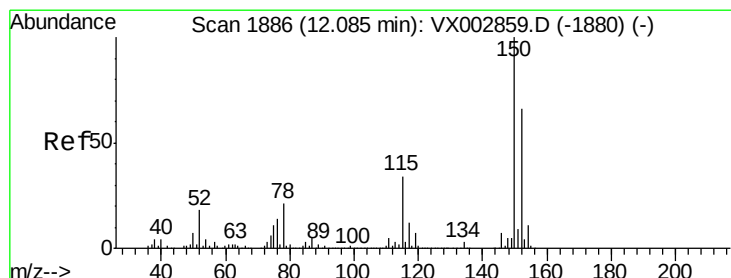
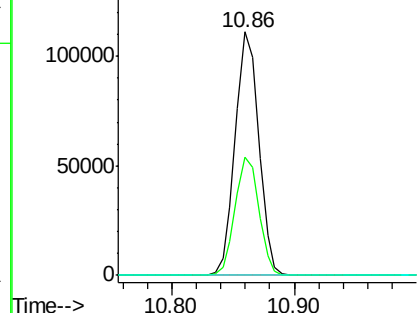
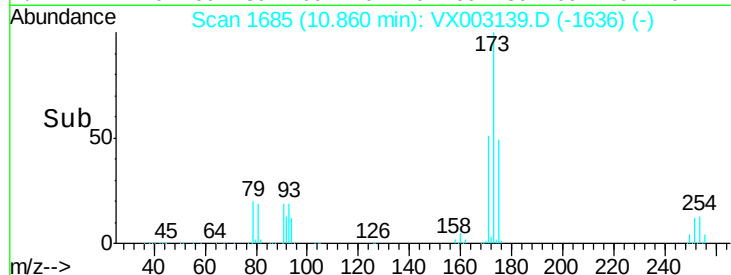
#71
Bromoform
Concen: 47.27 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 147727
Ion Ratio Lower Upper
173 100
175 49.0 24.7 74.1
254 0.2 0.2 0.2

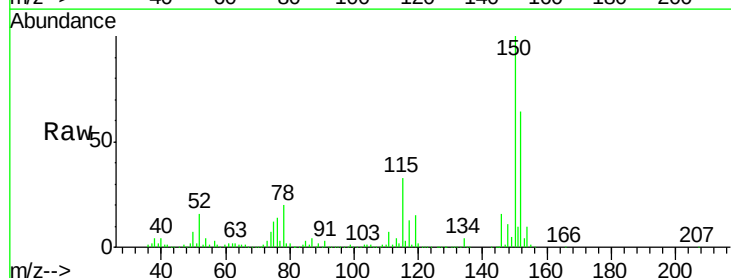


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

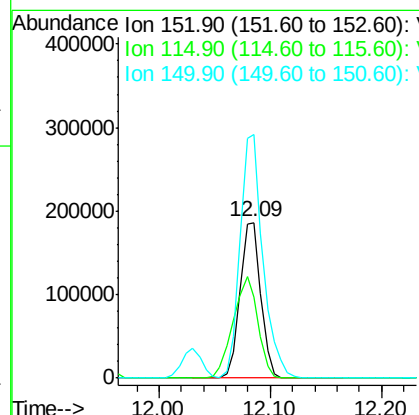
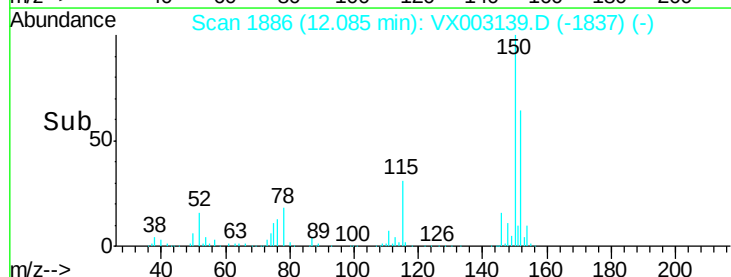


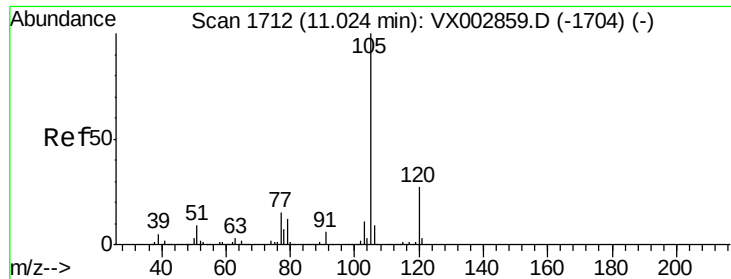
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion:152 Resp: 239178
Ion Ratio Lower Upper
152 100
115 77.6 40.1 120.2
150 172.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 51.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

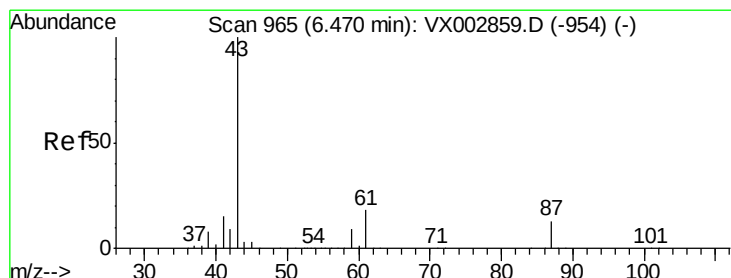
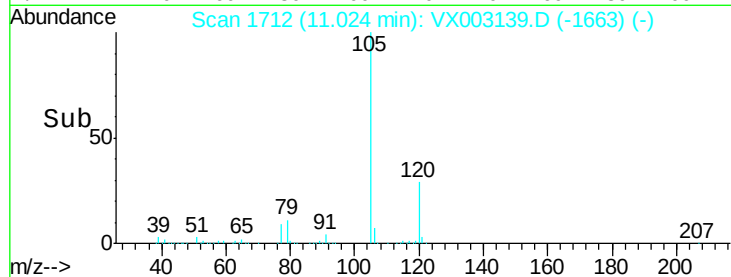
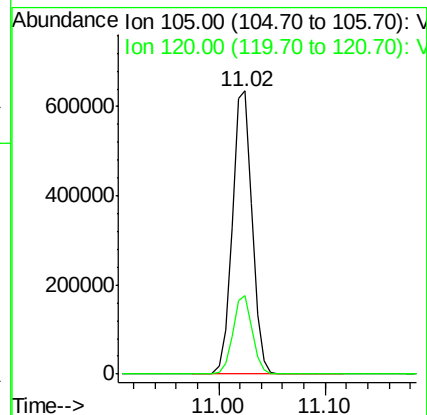
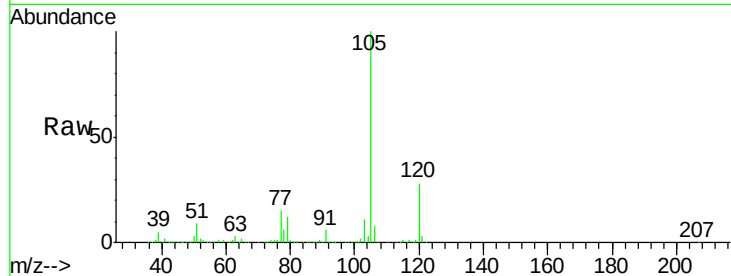
VSTDCCC050EC

Tot Ion:105 Resp: 823655

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



#74

N-ethyl acetate

Concen: 49.07 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion: 43 Resp: 386319

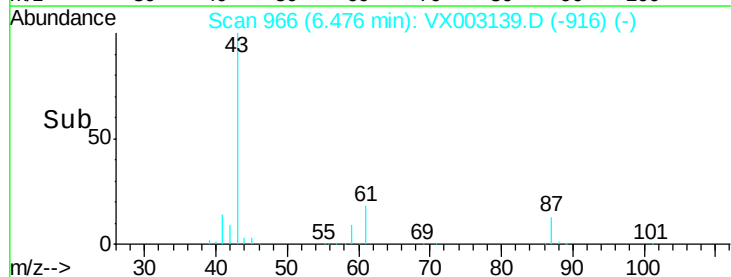
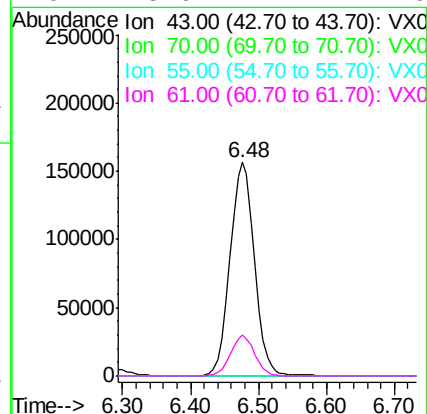
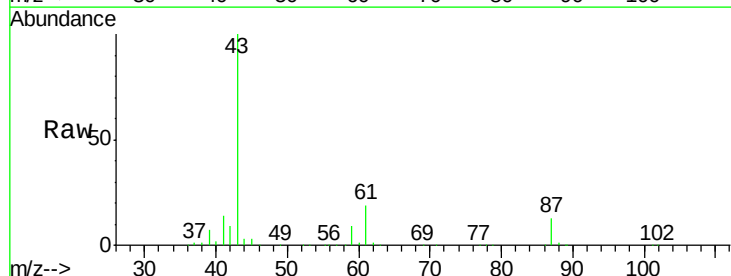
Ion Ratio Lower Upper

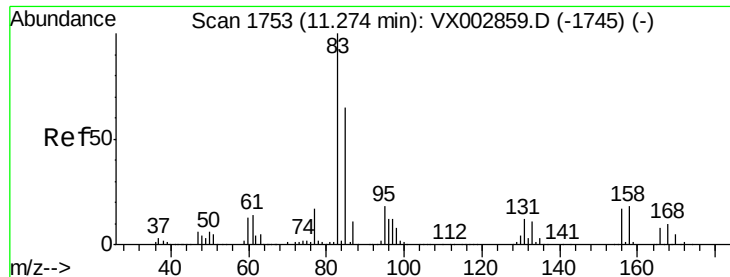
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 18.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.55 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

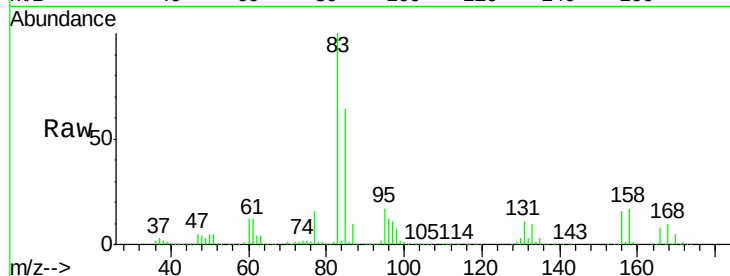
Tot Ion: 83 Resp: 250565

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

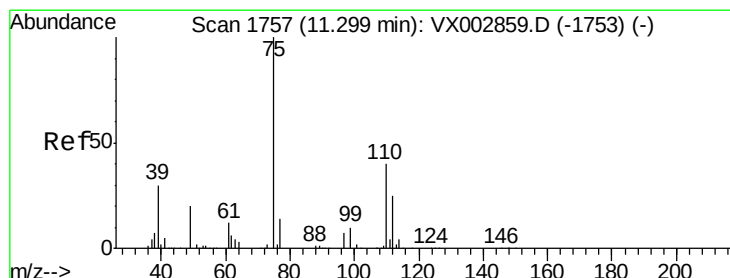
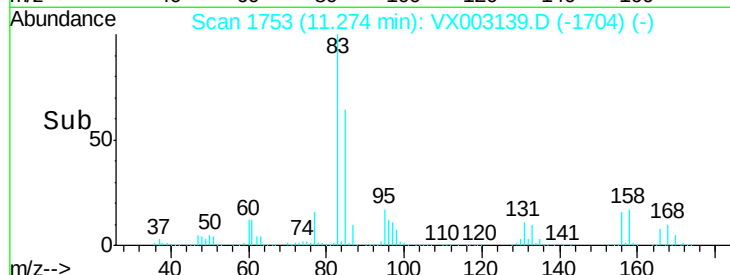
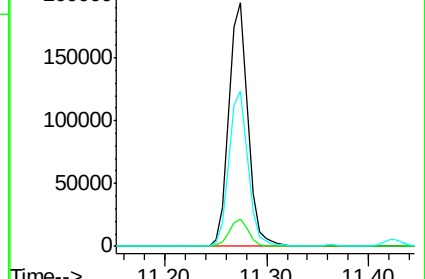
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.62 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003139.D

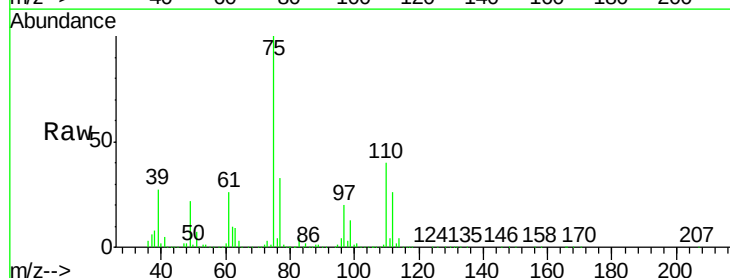
Acq: 02 Jul 2018 20:38

Tgt Ion: 75 Resp: 284272

Ion Ratio Lower Upper

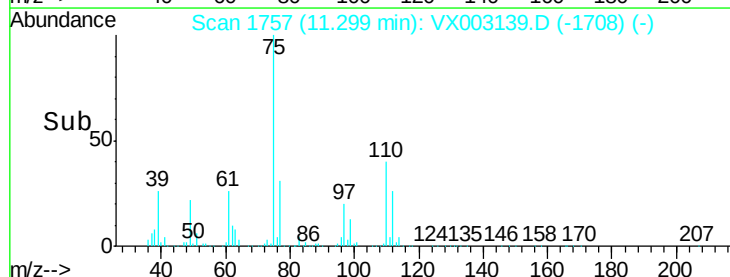
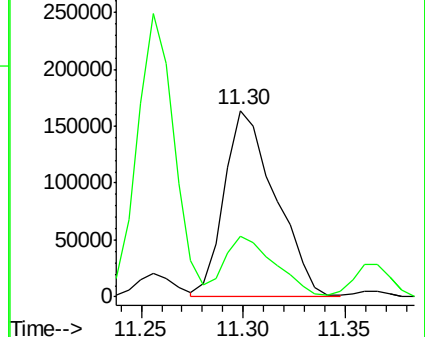
75 100

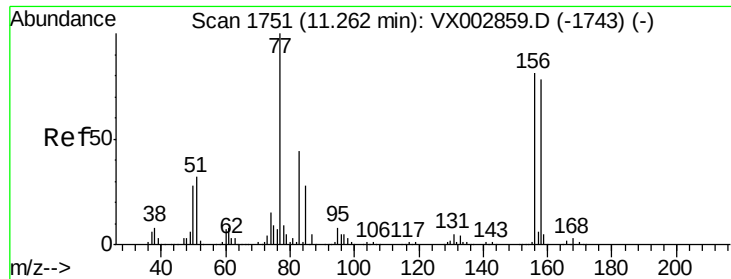
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

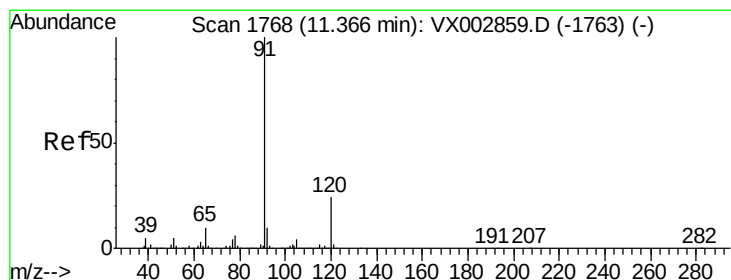
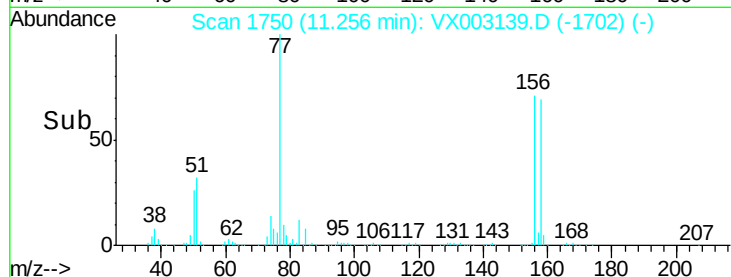
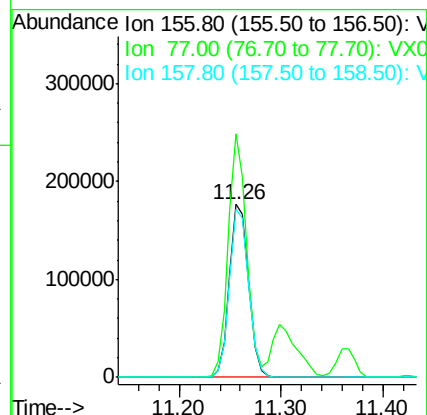
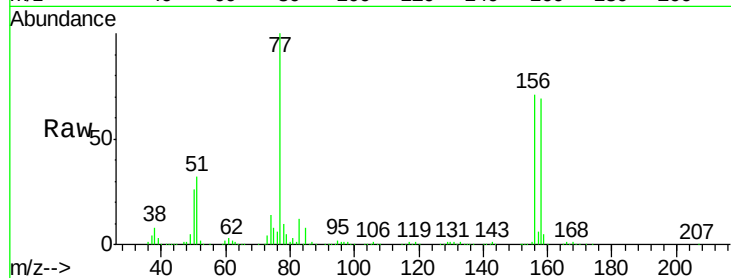




#77
Bromobenzene
Concen: 50.28 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

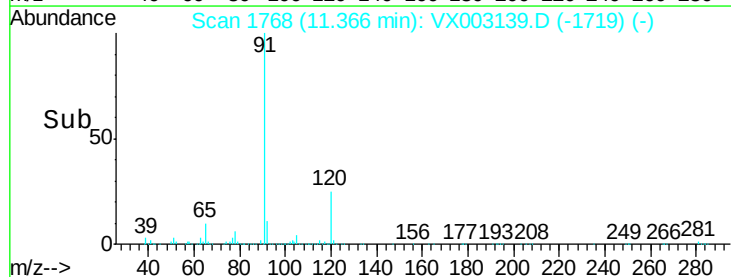
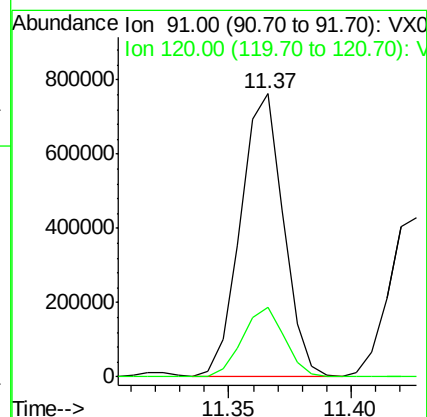
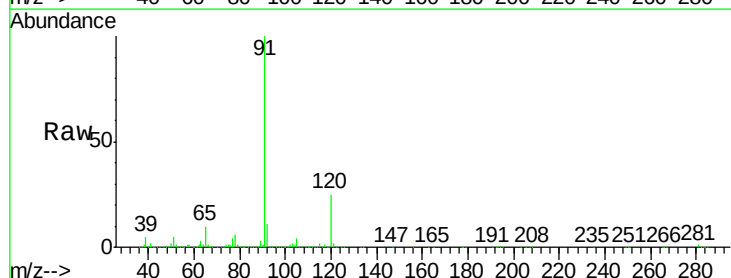
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

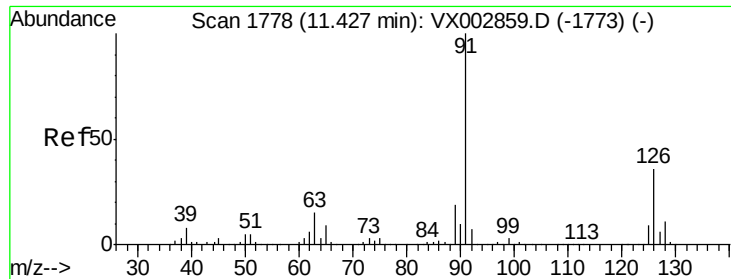
Tot Ion:156 Resp: 230409
Ion Ratio Lower Upper
156 100
77 135.4 71.4 214.2
158 97.6 48.9 146.6



#78
n-propylbenzene
Concen: 50.63 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 91 Resp: 927299
Ion Ratio Lower Upper
91 100
120 24.2 11.8 35.4

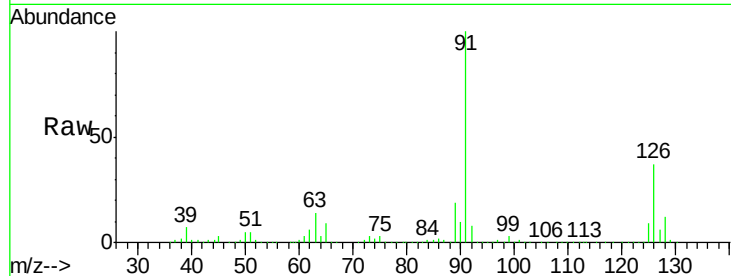




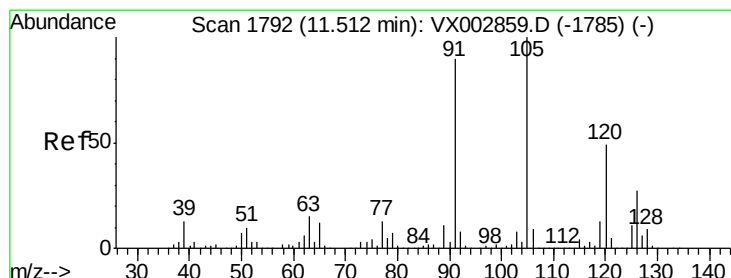
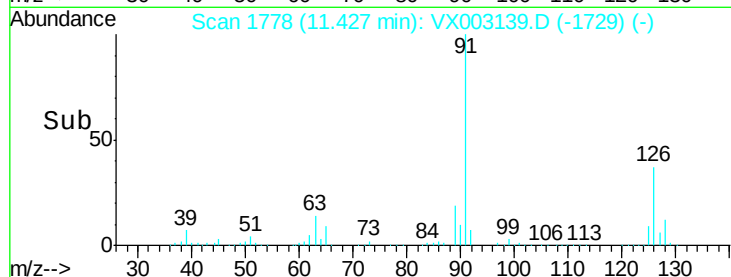
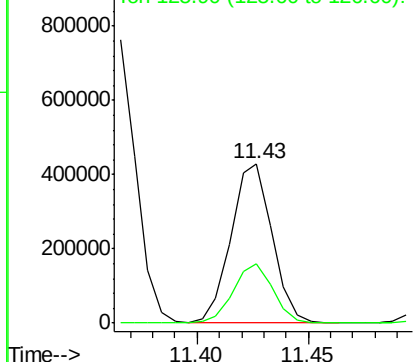
#79
 2-Chlorotoluene
 Concen: 49.53 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 549254
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.7 53.1

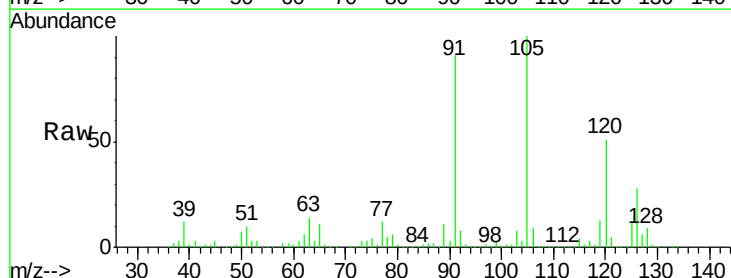


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

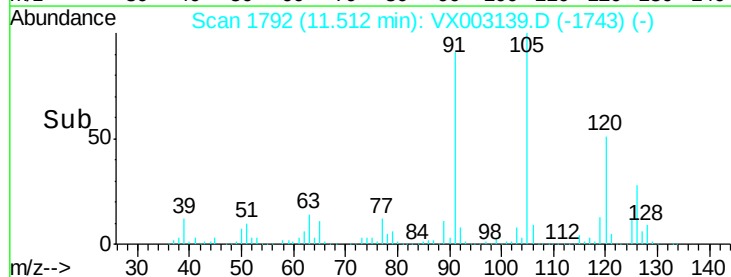
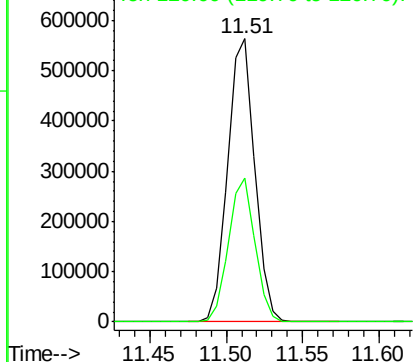


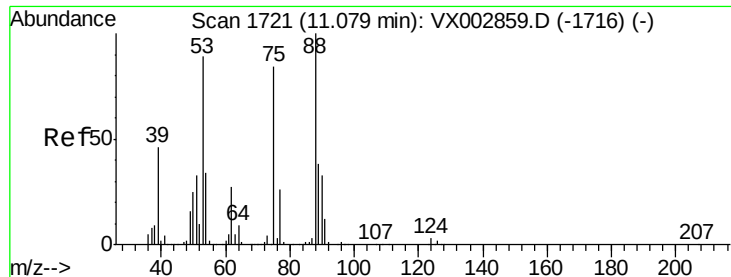
#80
 1,3,5-Trimethylbenzene
 Concen: 50.87 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 105 Resp: 689369
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.74 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

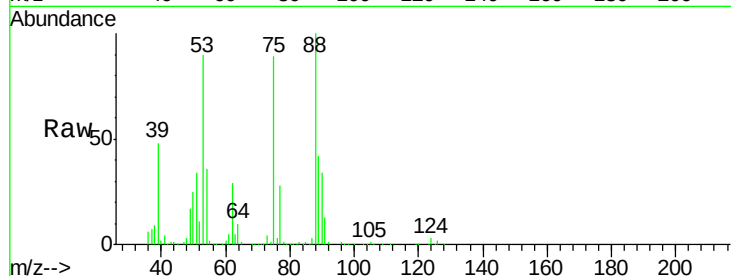
Tot Ion: 75 Resp: 64641

Ion Ratio Lower Upper

75 100

53 105.5 86.8 130.2

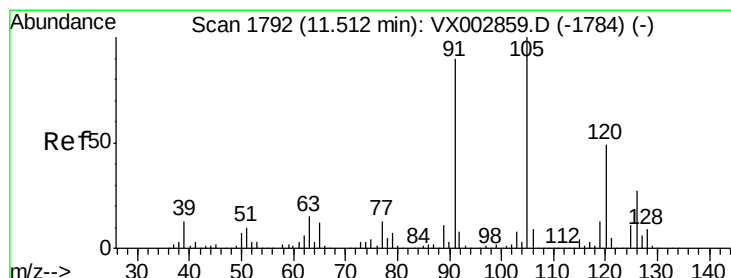
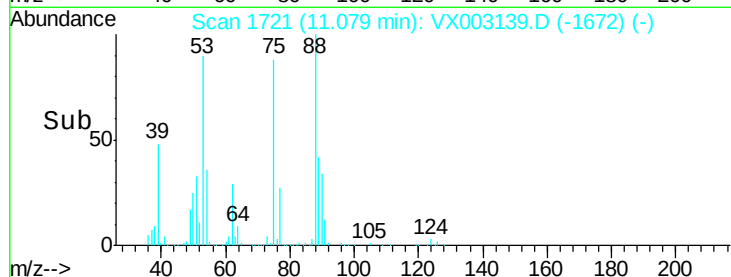
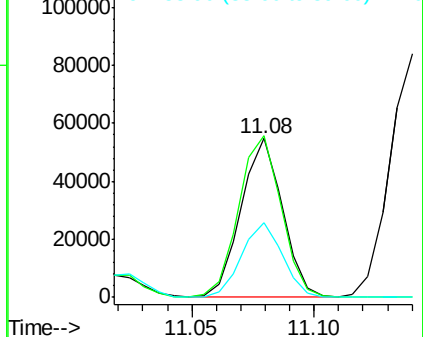
89 46.8 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003139.D

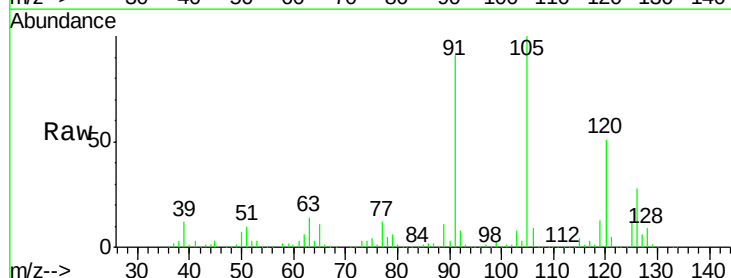
Acq: 02 Jul 2018 20:38

Tgt Ion: 91 Resp: 648781

Ion Ratio Lower Upper

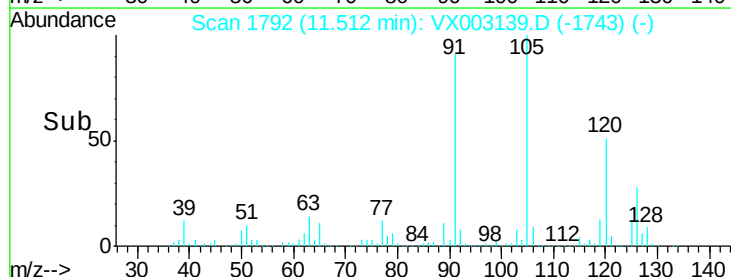
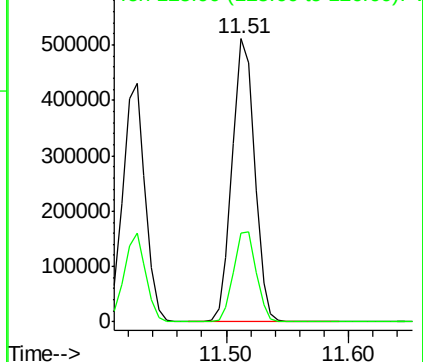
91 100

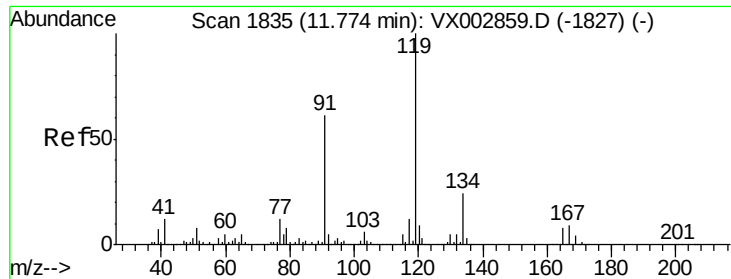
126 32.2 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

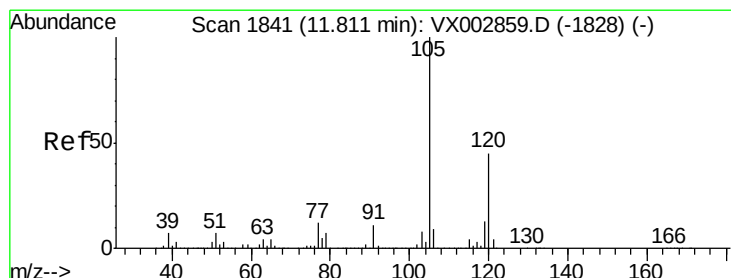
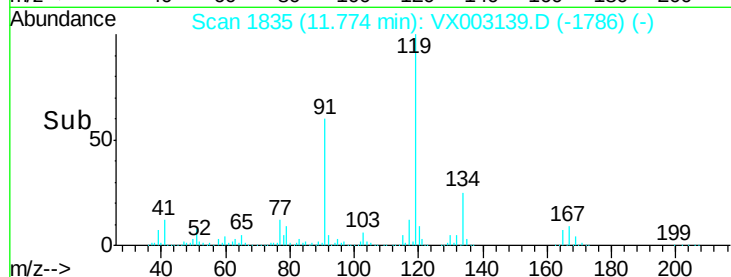
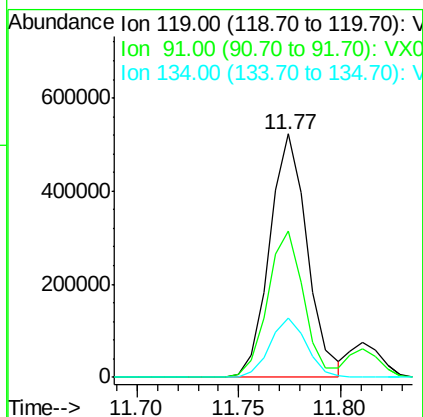
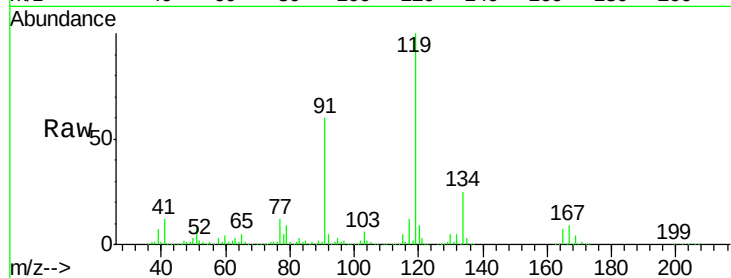




#83
 tert-Butylbenzene
 Concen: 50.24 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

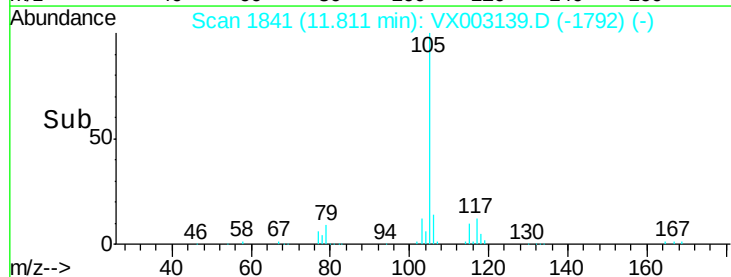
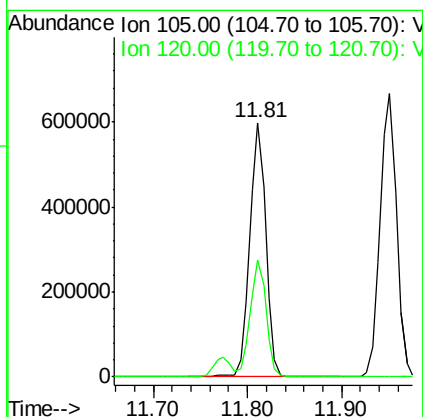
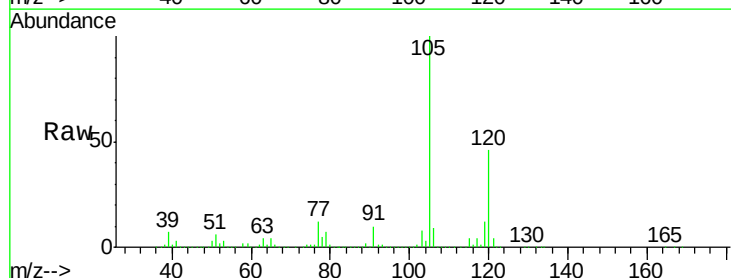
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

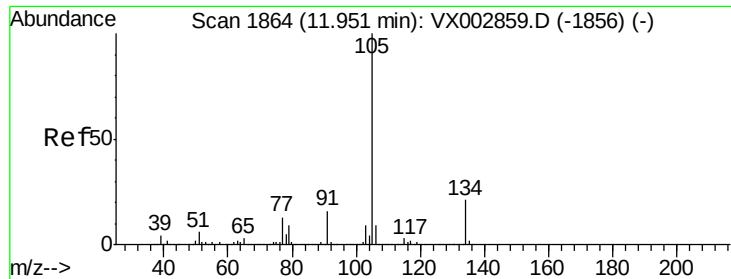
Tot Ion:119 Resp: 670963
 Ion Ratio Lower Upper
 119 100
 91 58.3 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion:105 Resp: 715099
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.96 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

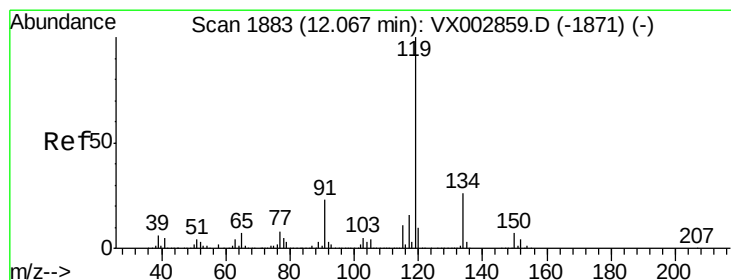
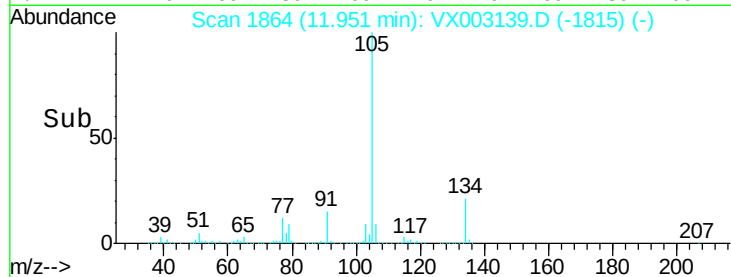
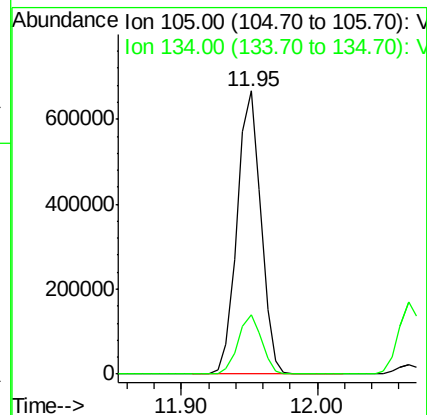
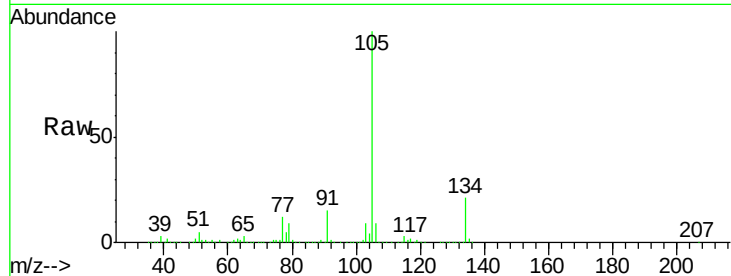
VSTDCCC050EC

Tot Ion:105 Resp: 809419

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



#86

p-Isopropyltoluene

Concen: 50.50 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

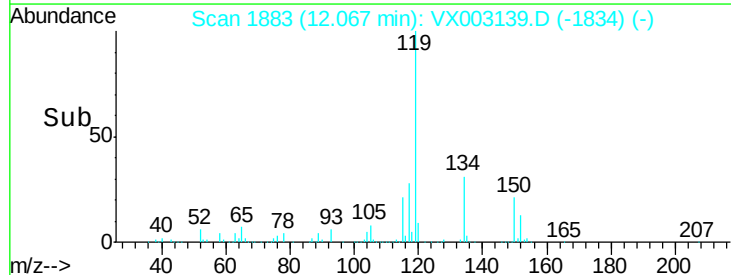
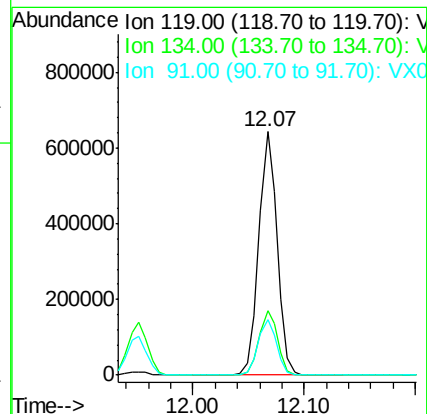
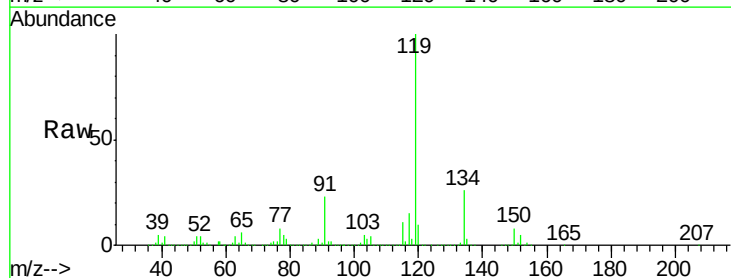
Tgt Ion:119 Resp: 735615

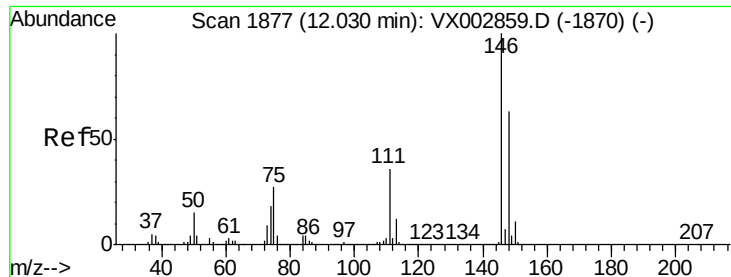
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.9 11.9 35.7

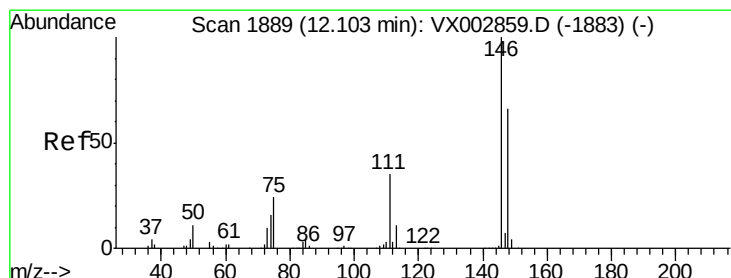
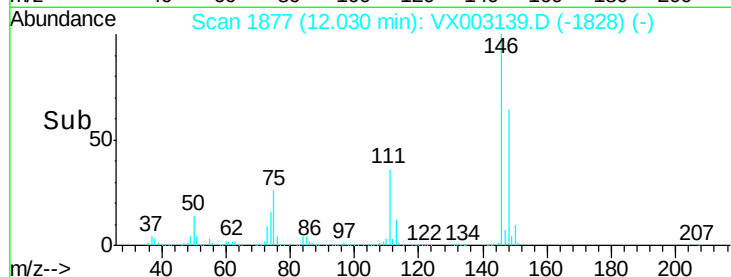
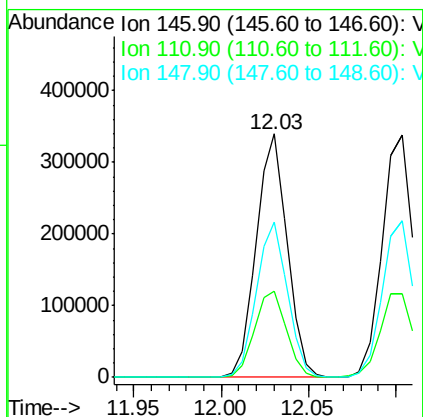
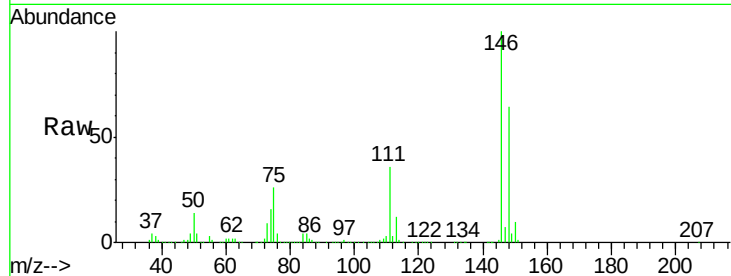




#87
 1,3-Dichlorobenzene
 Concen: 49.86 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

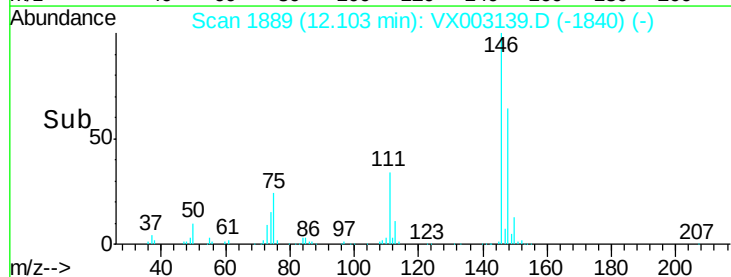
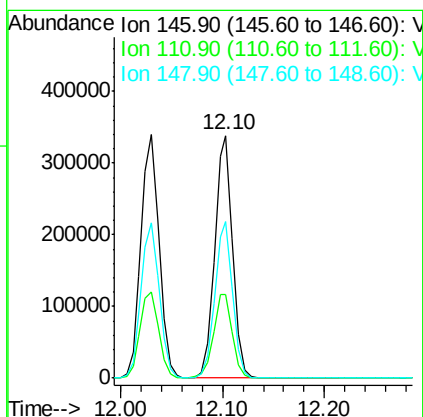
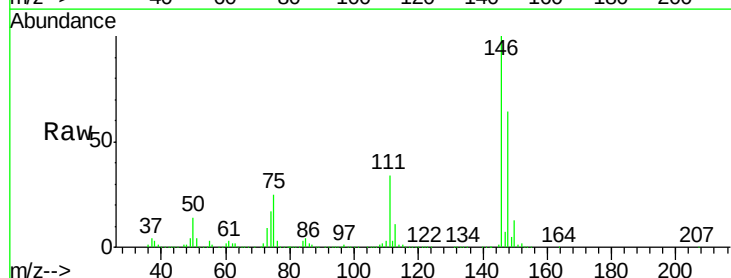
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

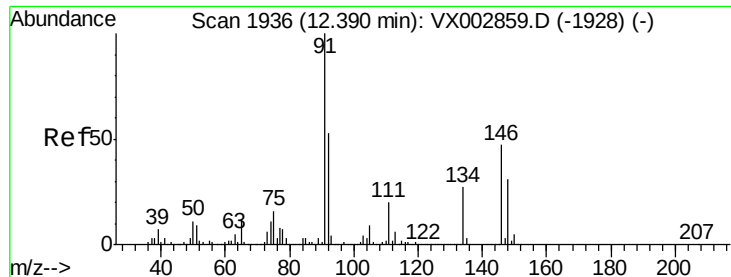
Tot Ion:146 Resp: 417251
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.7
 148 63.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion:146 Resp: 417346
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.7 56.1
 148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 48.10 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

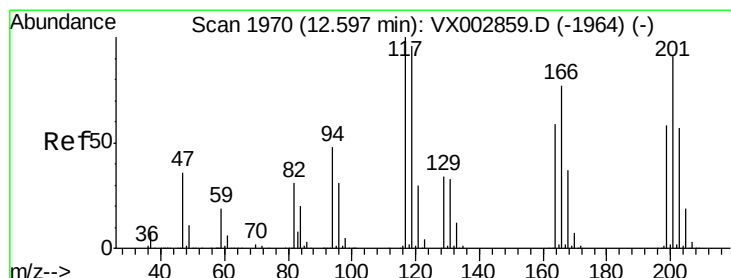
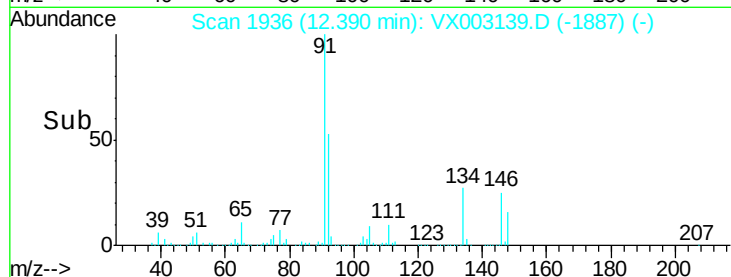
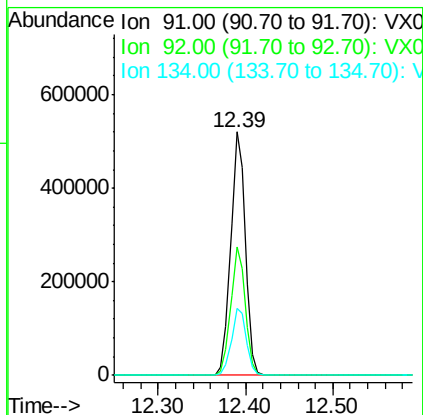
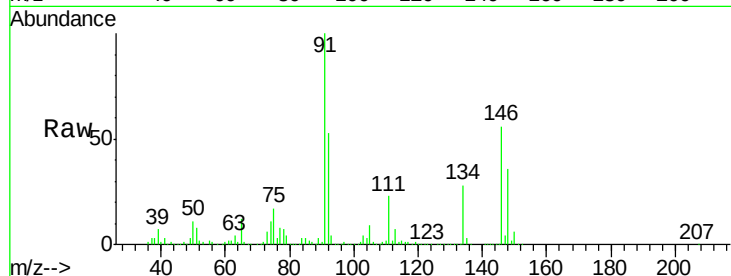
Tot Ion: 91 Resp: 609842

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

134 28.1 13.5 40.5



#90

Hexachloroethane

Concen: 54.10 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003139.D

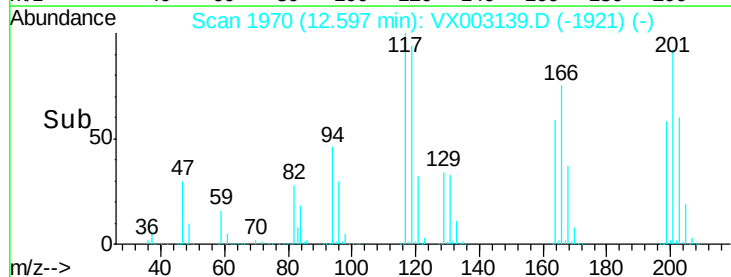
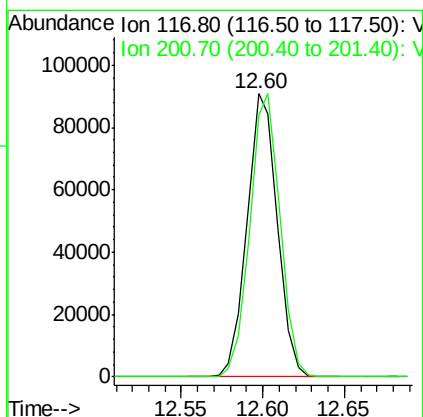
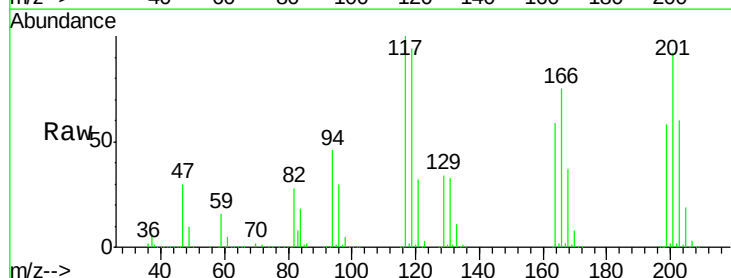
Acq: 02 Jul 2018 20:38

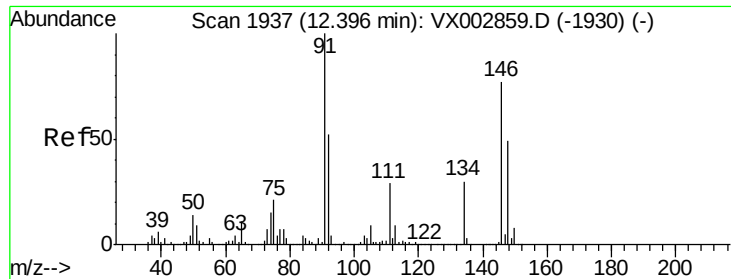
Tgt Ion: 117 Resp: 117223

Ion Ratio Lower Upper

117 100

201 99.7 49.0 147.0

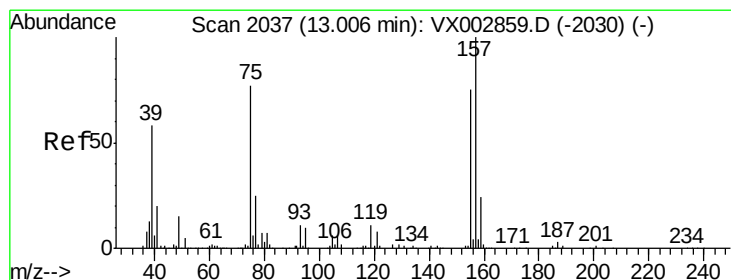
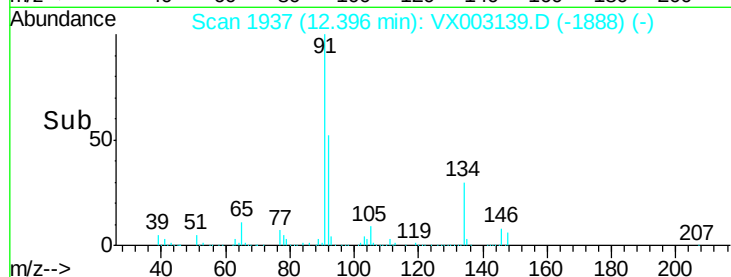
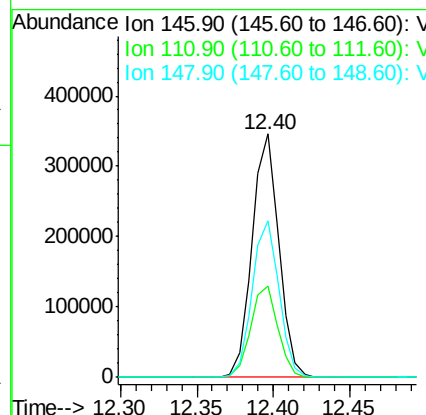
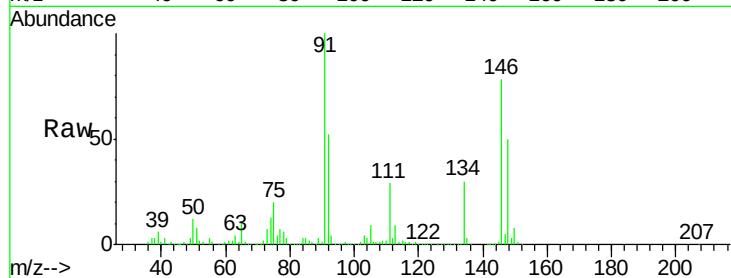




#91
 1,2-Dichlorobenzene
 Concen: 49.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

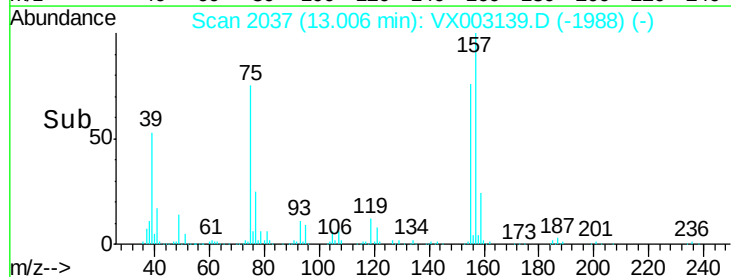
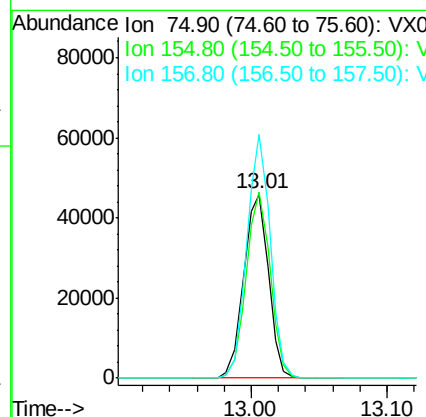
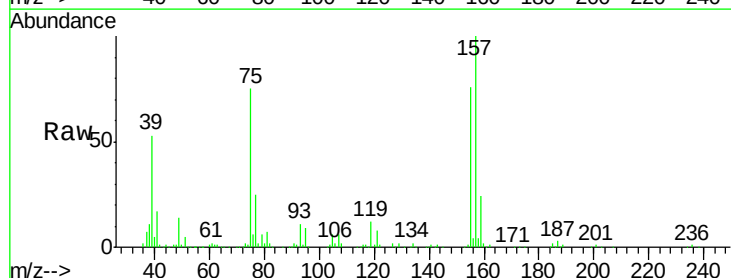
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

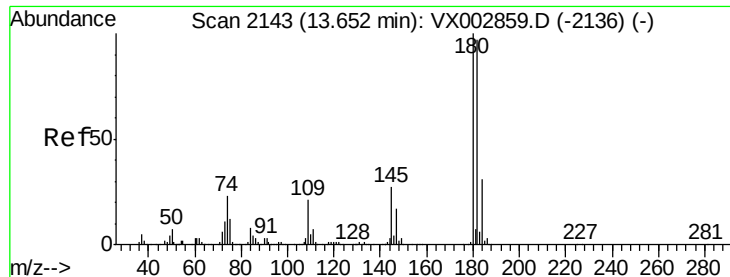
Tot Ion:146 Resp: 419603
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.1
 148 64.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.20 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 75 Resp: 58165
 Ion Ratio Lower Upper
 75 100
 155 98.5 45.8 137.4
 157 125.2 60.1 180.3

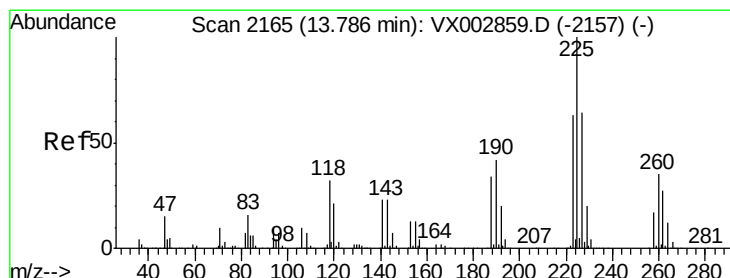
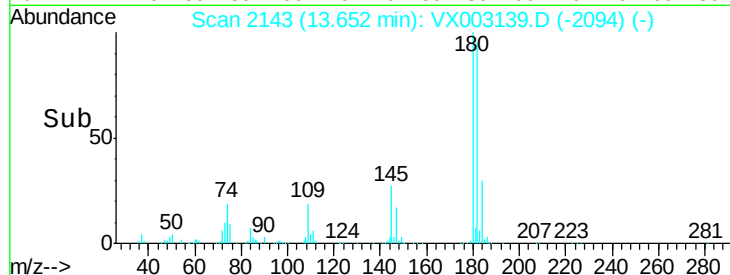
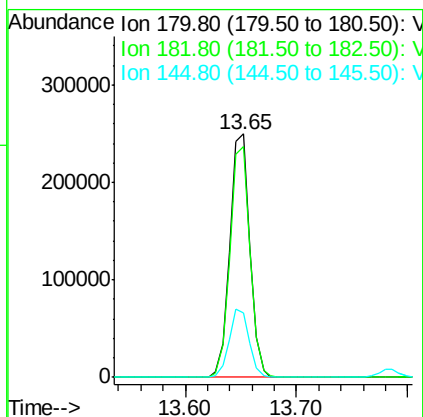
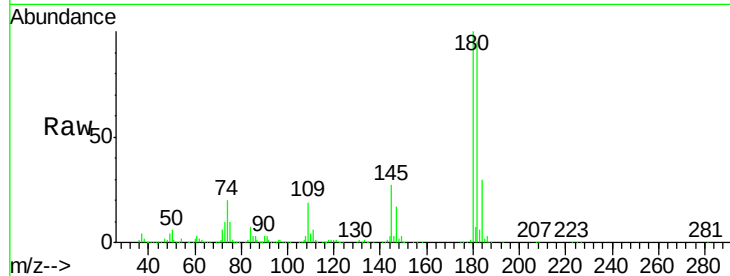




#93
 1,2,4-Trichlorobenzene
 Concen: 50.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

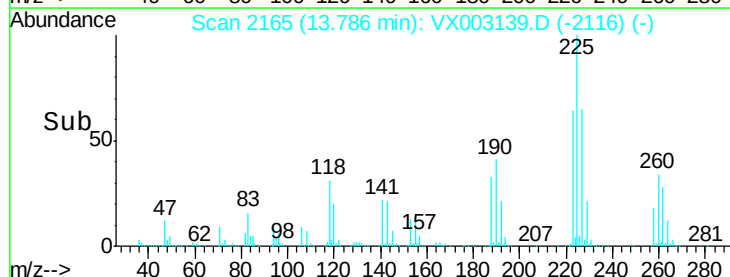
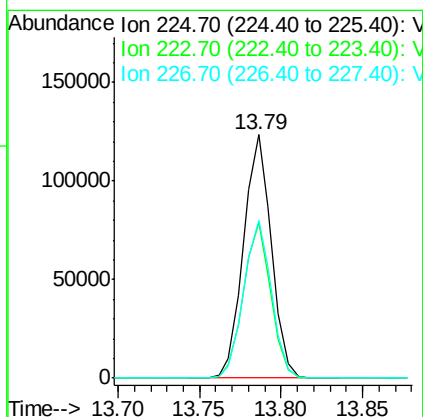
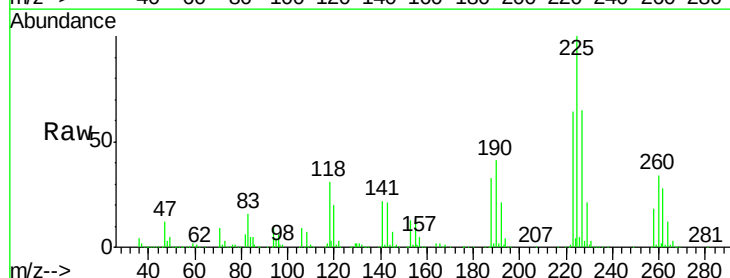
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

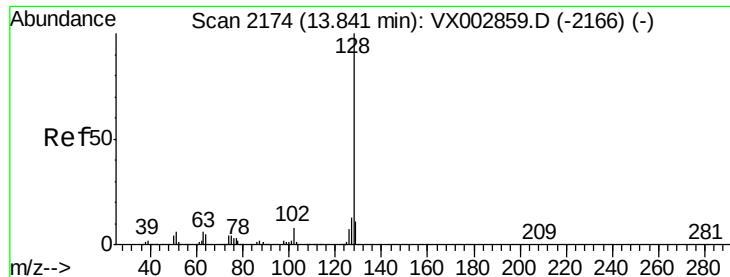
Tot Ion:180 Resp: 307966
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.7 143.1
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.89 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion:225 Resp: 146819
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 95.0
 227 64.5 32.4 97.2





#95

Naphthalene

Concen: 53.63 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

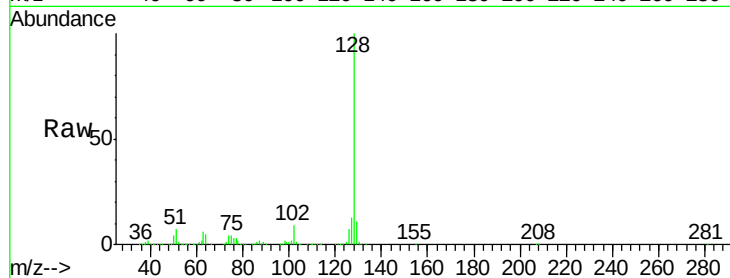
Tot Ion:128 Resp: 878061

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

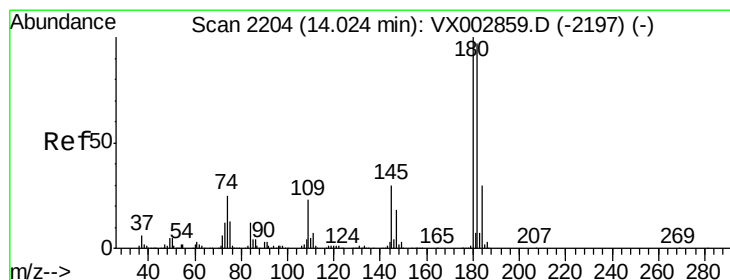
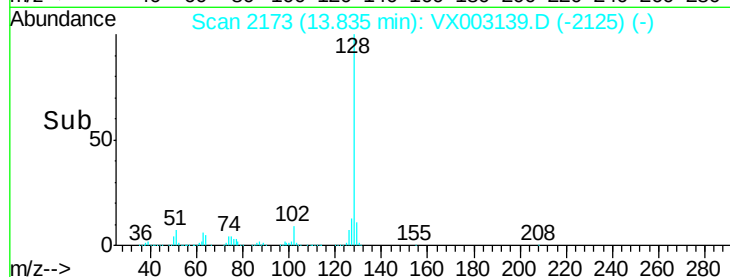
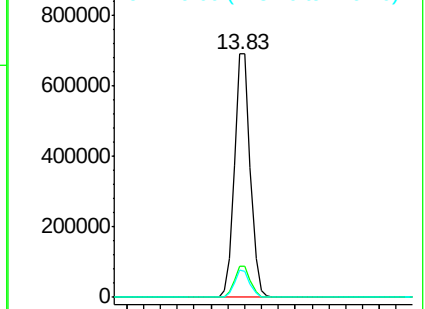
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.36 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

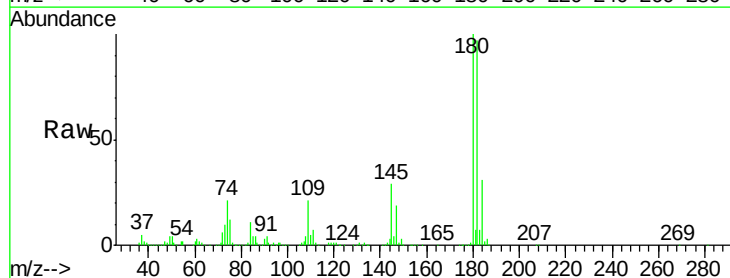
Tgt Ion:180 Resp: 315347

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.0

145 29.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

