

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006384.D
 Acq On : 10 Dec 2018 21:32
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 04:00:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	574592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	819413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	425435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	303894	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	5.51	113	291169	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.71	98	1039291	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	402361	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	288910	51.352	ug/l	99
3) Chloromethane	1.33	50	269912	46.685	ug/l	98
4) Vinyl Chloride	1.41	62	301725	48.490	ug/l	98
5) Bromomethane	1.64	94	248420	57.607	ug/l	96
6) Chloroethane	1.72	64	189107	49.567	ug/l	99
7) Trichlorofluoromethane	1.93	101	477058	49.946	ug/l	100
8) Diethyl Ether	2.19	74	181603	50.237	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	275189	50.668	ug/l	99
10) Methyl Iodide	2.51	142	418636	51.147	ug/l	99
11) Tert butyl alcohol	3.07	59	384175	239.492	ug/l	100
12) 1,1-Dichloroethene	2.37	96	257974	49.617	ug/l	96
13) Acrolein	2.30	56	204763	233.546	ug/l	99
14) Allyl chloride	2.73	41	460853	44.871	ug/l	99
15) Acrylonitrile	3.15	53	831303	248.341	ug/l	99
16) Acetone	2.45	43	683385	248.258	ug/l	96
17) Carbon Disulfide	2.57	76	668843	41.747	ug/l	100
18) Methyl Acetate	2.78	43	478662	51.997	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	933479	50.328	ug/l	98
20) Methylene Chloride	2.86	84	291838	49.815	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	271922	49.077	ug/l	91
22) Diisopropyl ether	3.87	45	841582	52.460	ug/l	99
23) Vinyl Acetate	3.82	43	3433677	250.950	ug/l	99
24) 1,1-Dichloroethane	3.70	63	479445	52.288	ug/l	100
25) 2-Butanone	4.70	43	1015537	258.556	ug/l	97
26) 2,2-Dichloropropane	4.59	77	375949	44.426	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	327242	52.949	ug/l	97
28) Bromochloromethane	5.02	49	214292	53.505	ug/l	99
29) Tetrahydrofuran	5.15	42	686786	251.591	ug/l	97
30) Chloroform	5.22	83	514962	53.442	ug/l	98
31) Cyclohexane	5.57	56	408714	48.232	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	466206	50.850	ug/l	100
36) 1,1-Dichloropropene	5.80	75	357637	47.384	ug/l	100
37) Ethyl Acetate	4.86	43	394695	46.696	ug/l	98
38) Carbon Tetrachloride	5.79	117	418908	47.179	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	457706	46.718	ug/l	96
40) Benzene	6.15	78	1128080	49.902	ug/l	99
41) Methacrylonitrile	5.06	41	219167	47.123	ug/l	98
42) 1,2-Dichloroethane	6.20	62	375267	50.722	ug/l	99
43) Isopropyl Acetate	6.46	43	649003	46.053	ug/l	99
44) Trichloroethene	7.21	130	335545	48.997	ug/l	97
45) 1,2-Dichloropropane	7.52	63	280190	48.768	ug/l	99
46) Dibromomethane	7.66	93	206282	49.714	ug/l	96
47) Bromodichloromethane	7.90	83	389452	48.467	ug/l	99
48) Methyl methacrylate	7.77	41	326297	47.594	ug/l	98
49) 1,4-Dioxane	7.75	88	166573	985.800	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2006408	244.568	ug/l	99
52) Toluene	8.79	92	741287	49.843	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	426320	45.366	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	454542	46.581	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	315799	52.267	ug/l	99
56) Ethyl methacrylate	9.18	69	471833	49.953	ug/l	96
57) 1,3-Dichloropropane	9.37	76	488736	51.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1143427	238.555	ug/l	99
59) 2-Hexanone	9.49	43	1497823	238.972	ug/l	99
60) Dibromochloromethane	9.59	129	358053	48.059	ug/l	100
61) 1,2-Dibromoethane	9.67	107	341007	50.476	ug/l	99
64) Tetrachloroethene	9.34	164	297803	48.259	ug/l	99
65) Chlorobenzene	10.14	112	880195	50.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	331709	49.082	ug/l	99
67) Ethyl Benzene	10.25	91	1436916	49.668	ug/l	99
68) m/p-Xylenes	10.36	106	1147304	99.003	ug/l	99
69) o-Xylene	10.70	106	570392	49.830	ug/l	99
70) Styrene	10.71	104	934723	50.488	ug/l	99
71) Bromoform	10.86	173	286913	44.973	ug/l #	99
73) Isopropylbenzene	11.02	105	1501917	51.120	ug/l	100
74) N-amyl acetate	10.90	43	584205	46.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	471418	50.155	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	553948	67.459	ug/l	86
77) Bromobenzene	11.26	156	409261	50.195	ug/l	99
78) n-propylbenzene	11.36	91	1658812	50.792	ug/l	99
79) 2-Chlorotoluene	11.42	91	991670	51.088	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1237047	50.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	147468	42.144	ug/l	92
82) 4-Chlorotoluene	11.51	91	1127415	49.955	ug/l	100
83) tert-Butylbenzene	11.77	119	1317589	50.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1278207	50.639	ug/l	100
85) sec-Butylbenzene	11.94	105	1525478	51.412	ug/l	100
86) p-Isopropyltoluene	12.07	119	1367883	51.196	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	731788	50.440	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	726762	49.355	ug/l	99
89) n-Butylbenzene	12.39	91	1134827	49.779	ug/l	100
90) Hexachloroethane	12.60	117	256777	47.154	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	722314	50.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	108372	44.978	ug/l	98

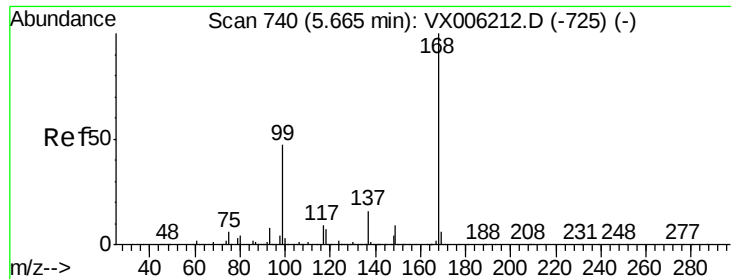
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QLast Update : Fri Nov 30 03:55:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	521998	49.692	ug/l	100
94) Hexachlorobutadiene	13.78	225	236644	50.939	ug/l	99
95) Naphthalene	13.83	128	1662666	50.883	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	518464	49.830	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

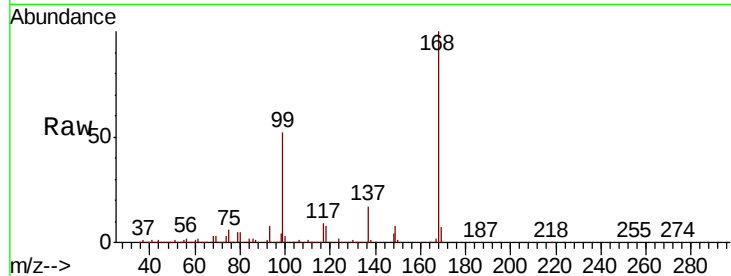
VSTDCCC050EC

Tot Ion:168 Resp: 574592

Ion Ratio Lower Upper

168 100

99 52.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

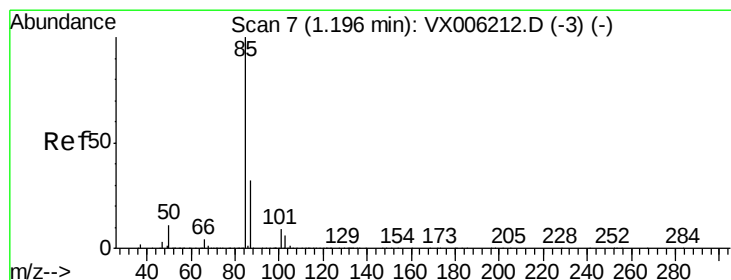
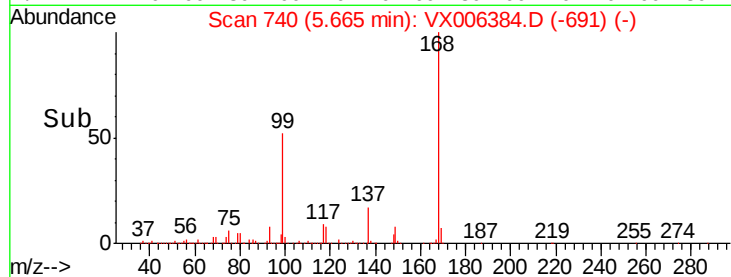
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.352 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006384.D

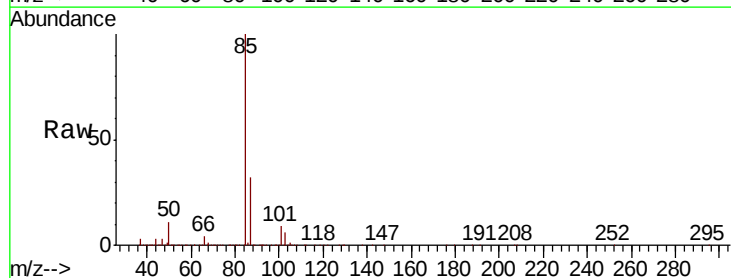
Acq: 10 Dec 2018 21:32

Tgt Ion: 85 Resp: 288910

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

150000

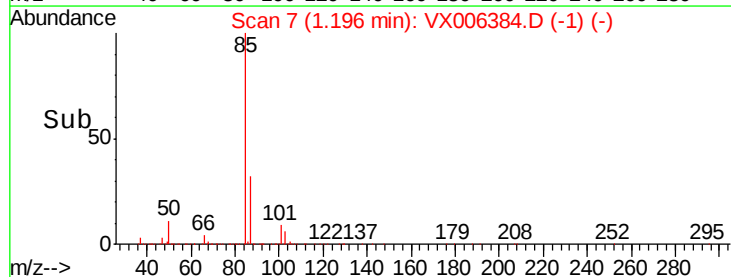
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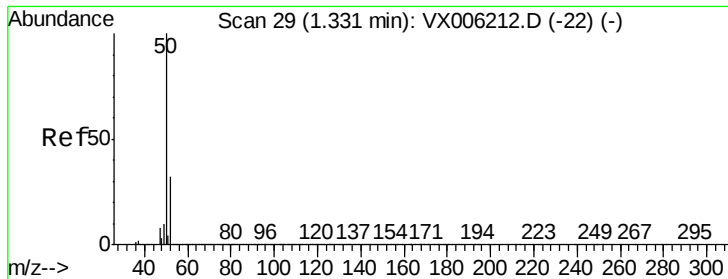
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.685 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

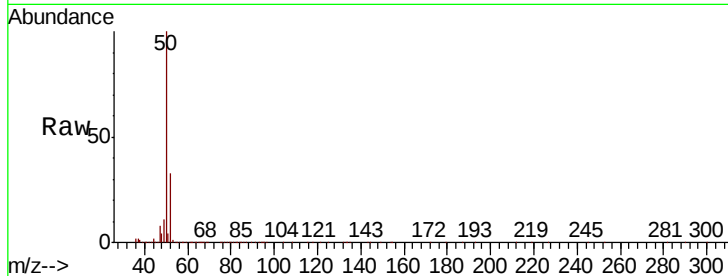
VSTDCCC050EC

Tot Ion: 50 Resp: 269912

Ion Ratio Lower Upper

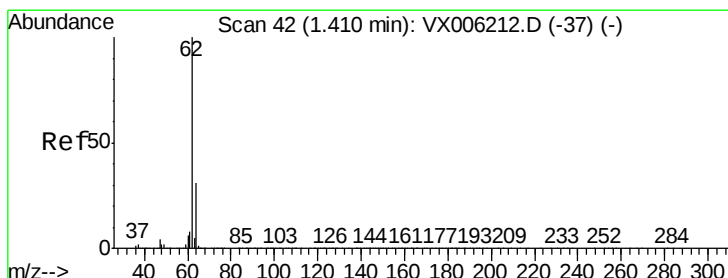
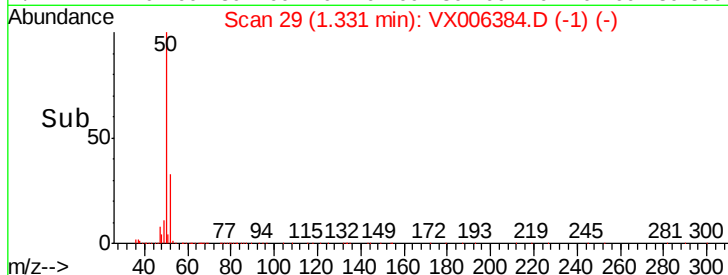
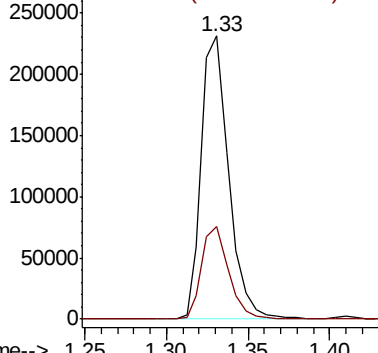
50 100

52 32.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.490 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006384.D

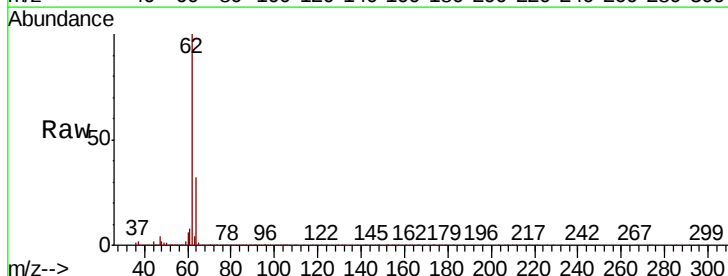
Acq: 10 Dec 2018 21:32

Tgt Ion: 62 Resp: 301725

Ion Ratio Lower Upper

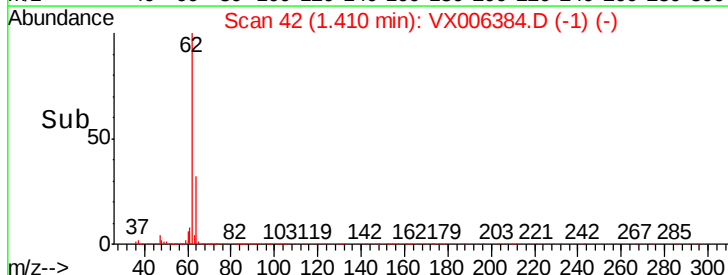
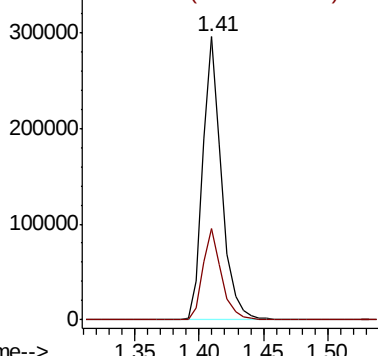
62 100

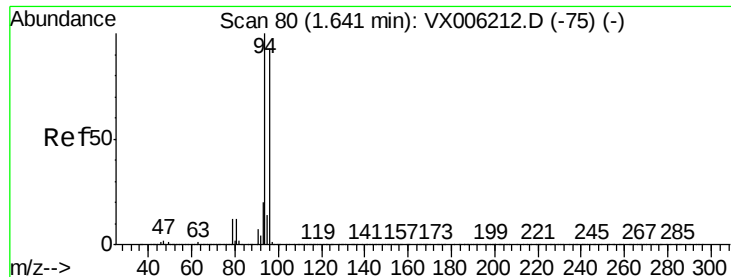
64 32.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.607 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

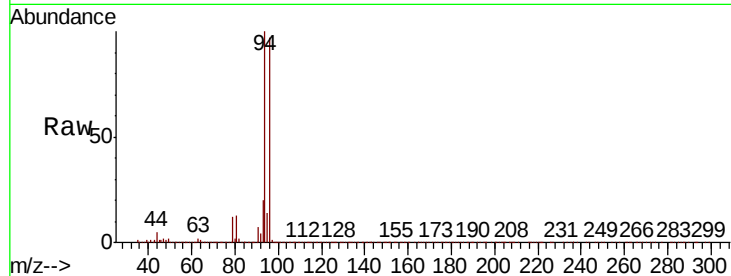
VSTDCCC050EC

Tot Ion: 94 Resp: 248420

Ion Ratio Lower Upper

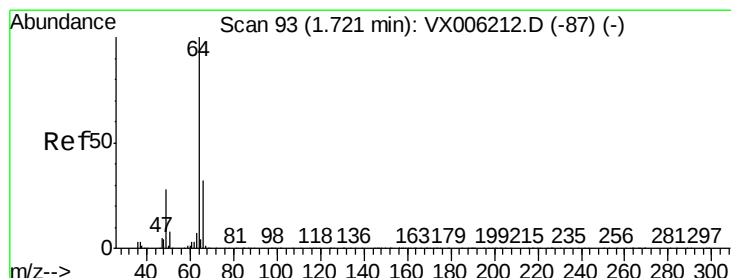
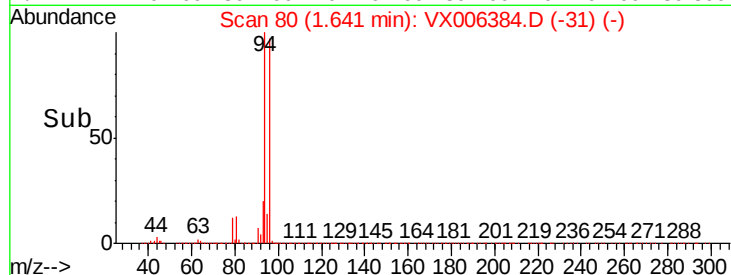
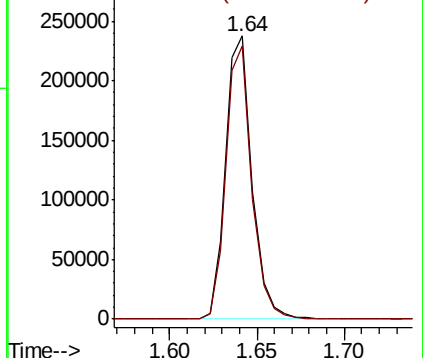
94 100

96 96.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.567 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006384.D

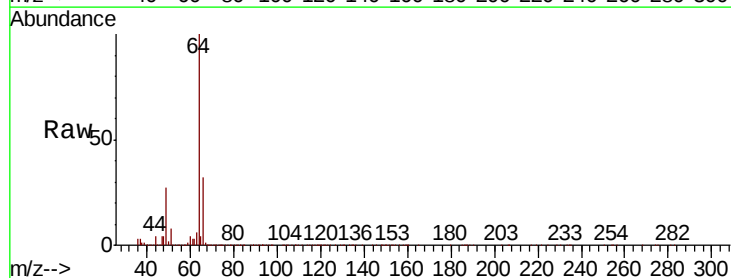
Acq: 10 Dec 2018 21:32

Tgt Ion: 64 Resp: 189107

Ion Ratio Lower Upper

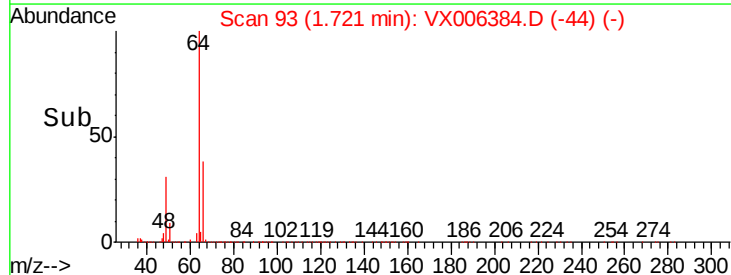
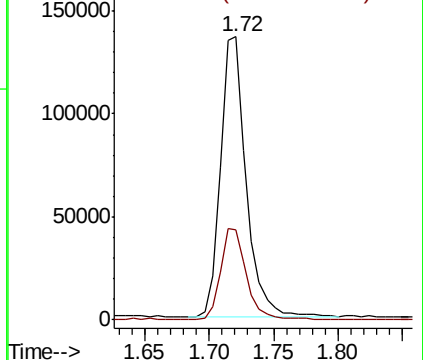
64 100

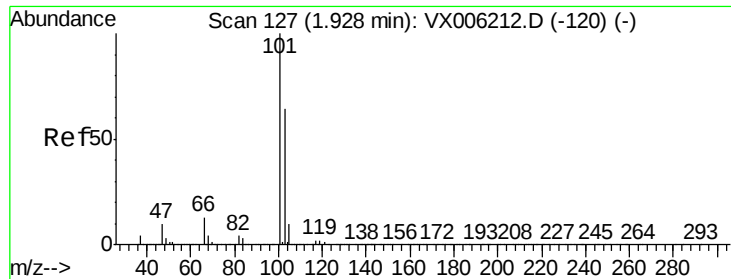
66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



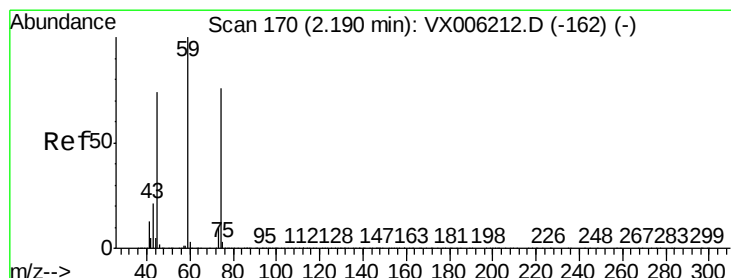
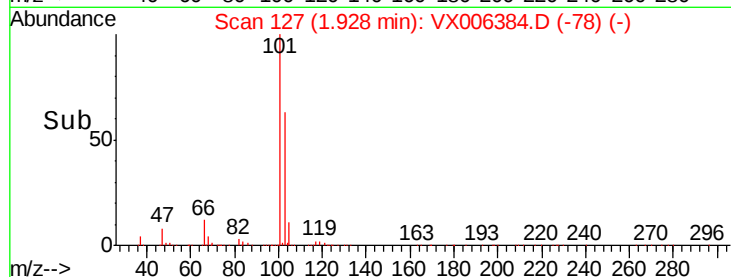
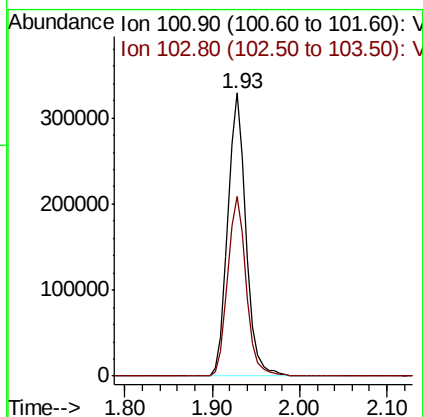
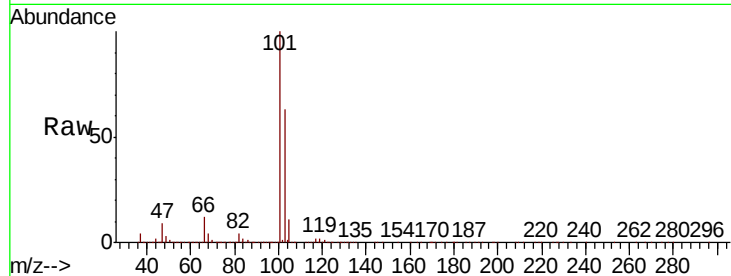


#7

Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Instrument :
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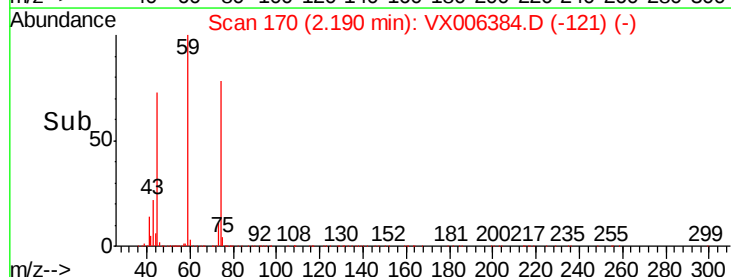
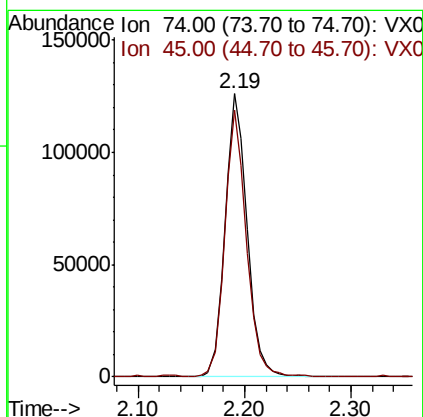
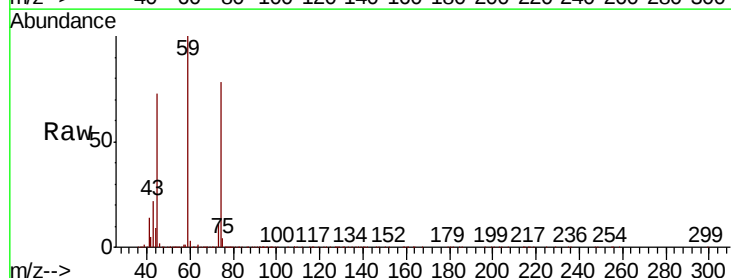
Tot Ion:101 Resp: 477058
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.4

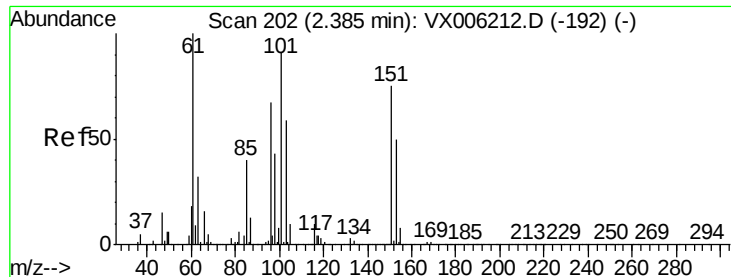


#8

Diethyl Ether
Concen: 50.237 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 74 Resp: 181603
Ion Ratio Lower Upper
74 100
45 92.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.668 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

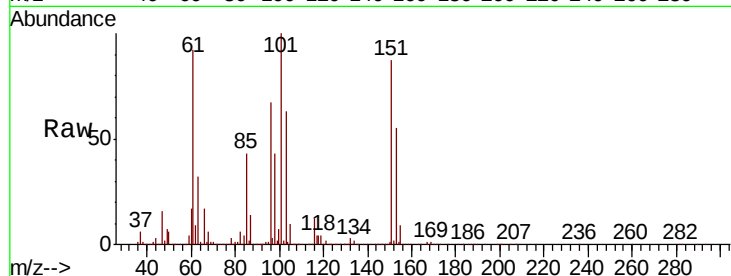
Tot Ion:101 Resp: 275189

Ion Ratio Lower Upper

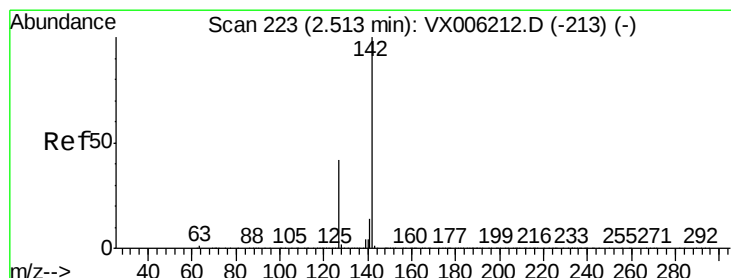
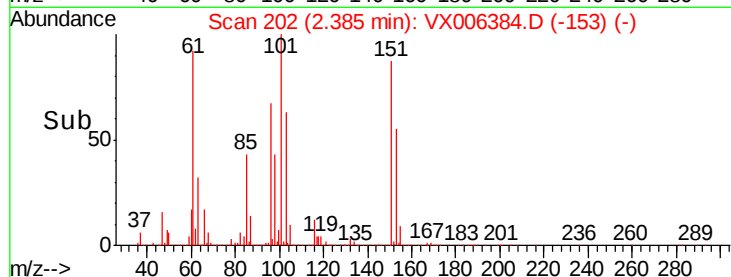
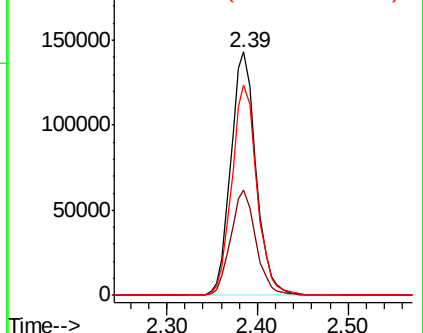
101 100

85 43.6 35.5 53.3

151 86.7 68.6 103.0



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: 51.147 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

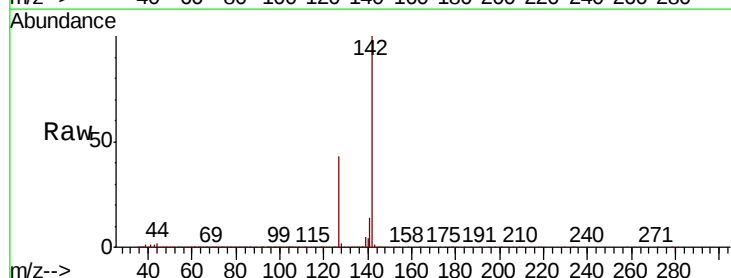
Tgt Ion:142 Resp: 418636

Ion Ratio Lower Upper

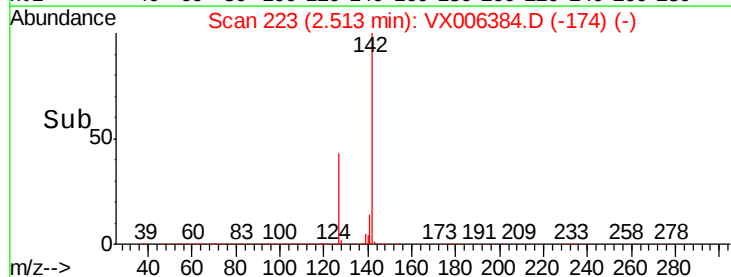
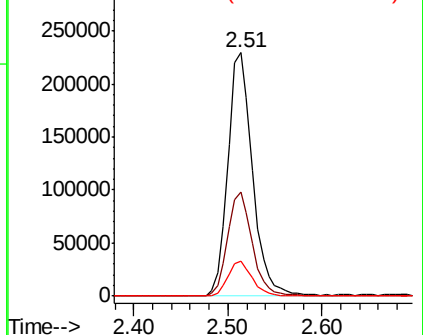
142 100

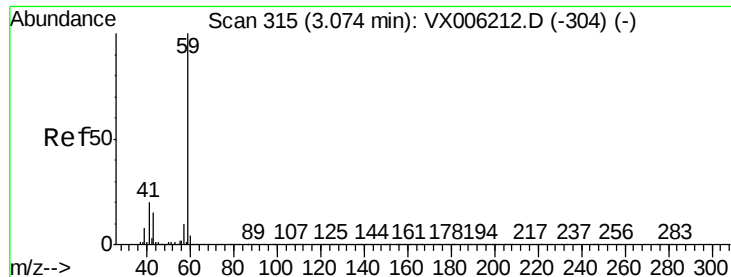
127 42.4 34.8 52.2

141 14.2 11.4 17.2



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



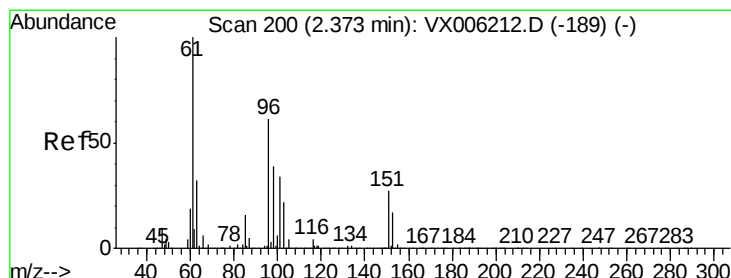
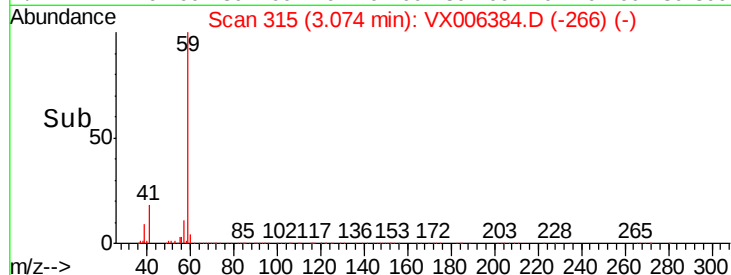
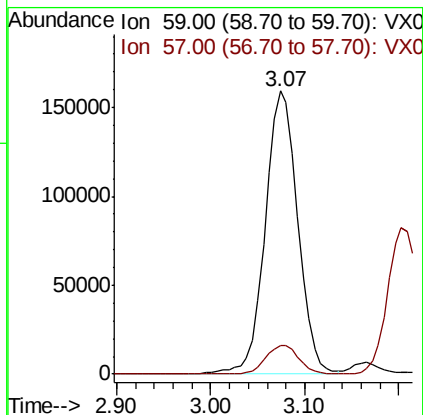
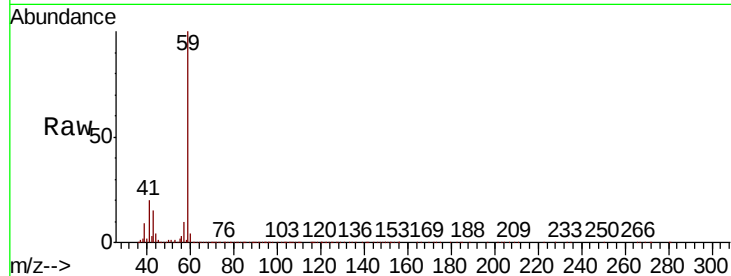


#11

Tert butyl alcohol
Concen: 239.492 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

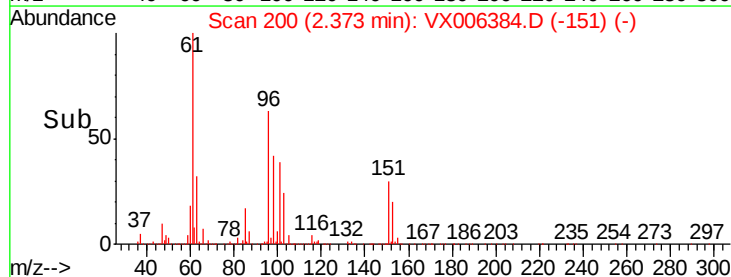
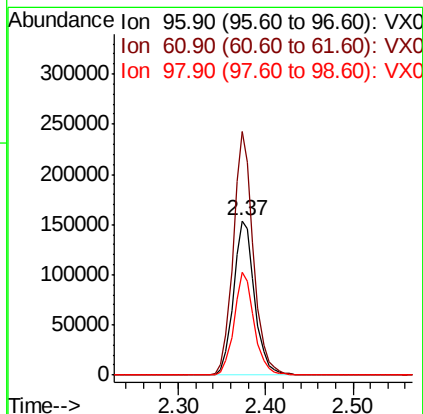
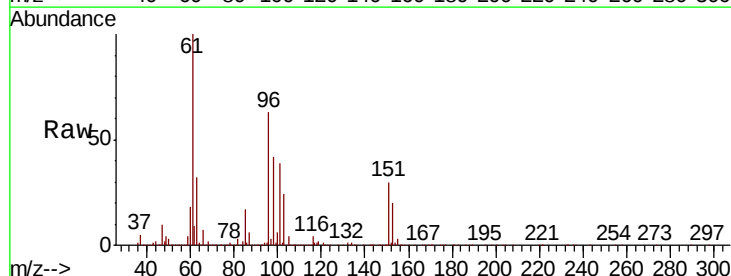
Tot Ion: 59 Resp: 384175
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

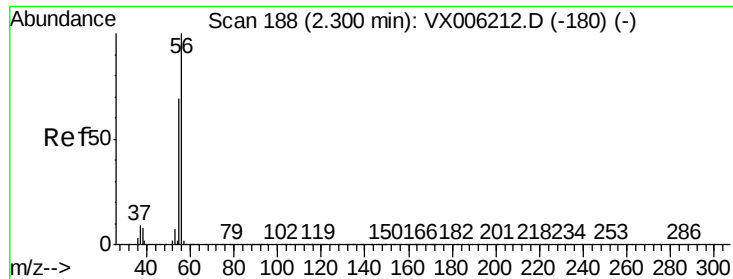


#12

1,1-Dichloroethene
Concen: 49.617 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 96 Resp: 257974
Ion Ratio Lower Upper
96 100
61 158.0 131.7 197.5
98 66.4 51.8 77.6

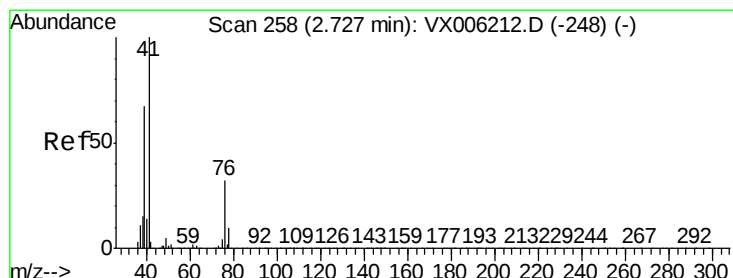
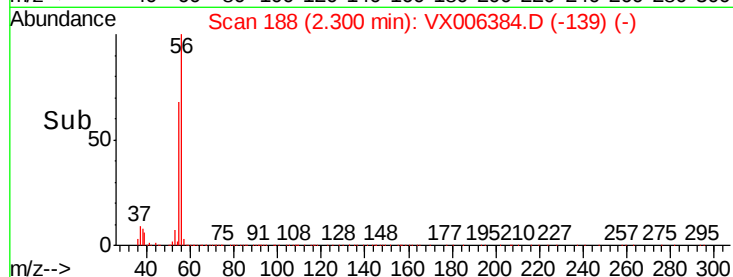
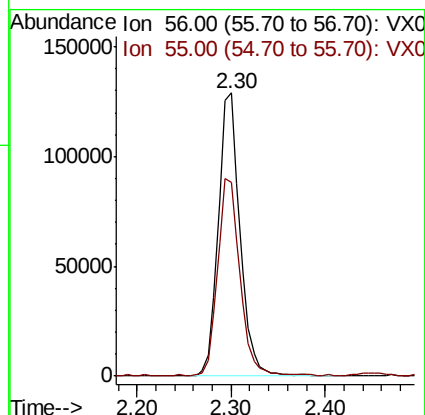
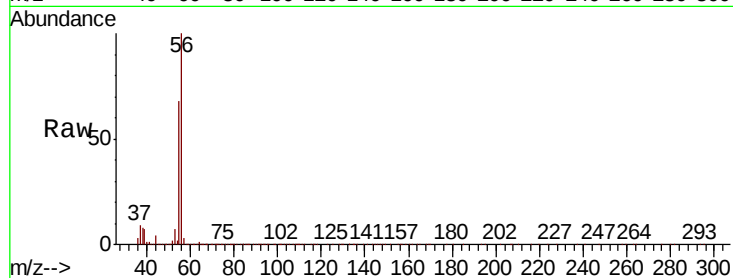




#13
Acrolein
Concen: 233.546 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

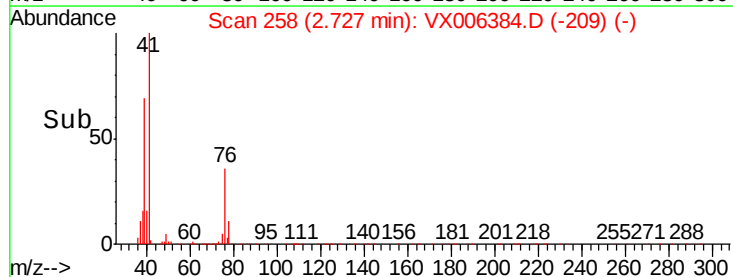
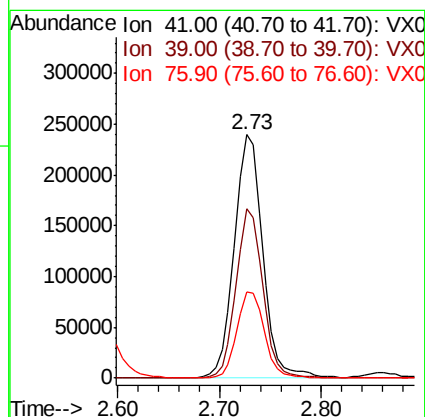
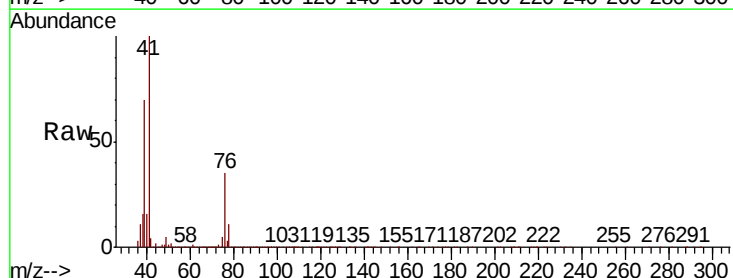
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

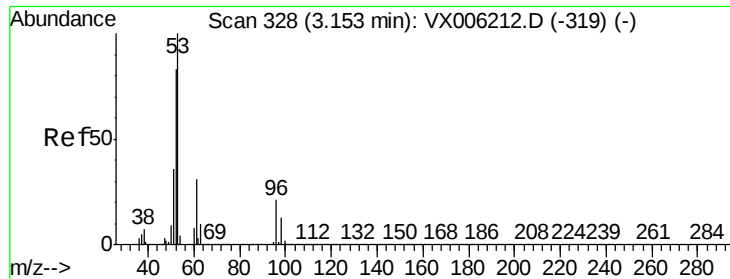
Tot Ion: 56 Resp: 204763
Ion Ratio Lower Upper
56 100
55 71.0 57.8 86.6



#14
Allyl chloride
Concen: 44.871 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 41 Resp: 460853
Ion Ratio Lower Upper
41 100
39 65.4 52.4 78.6
76 33.9 25.4 38.0





#15

Acrylonitrile

Concen: 248.341 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

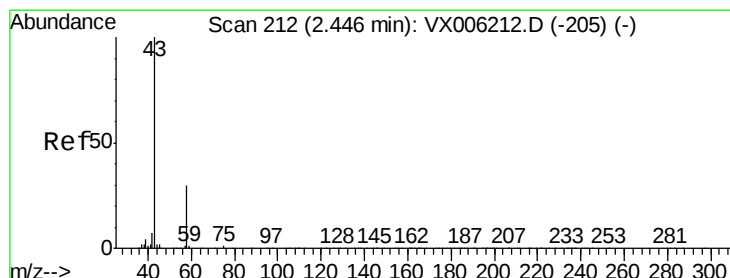
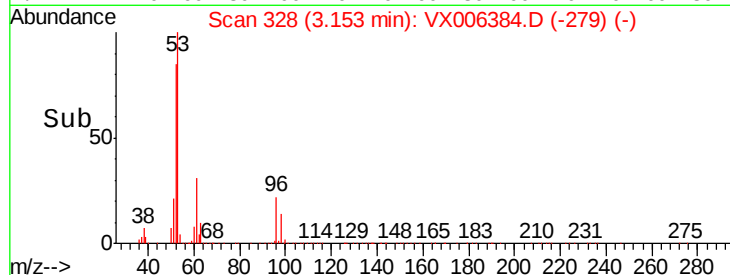
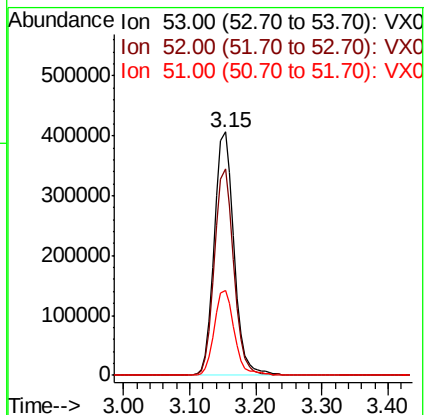
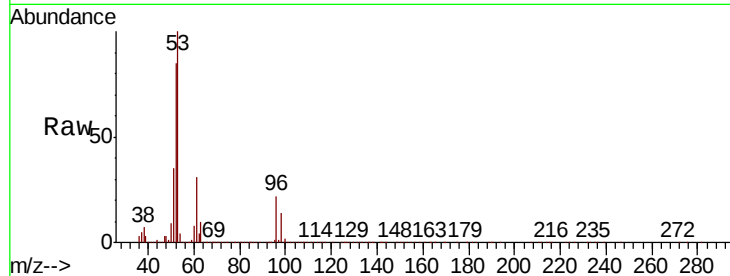
Tot Ion: 53 Resp: 831303

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.4

51 35.4 28.7 43.1



#16

Acetone

Concen: 248.258 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006384.D

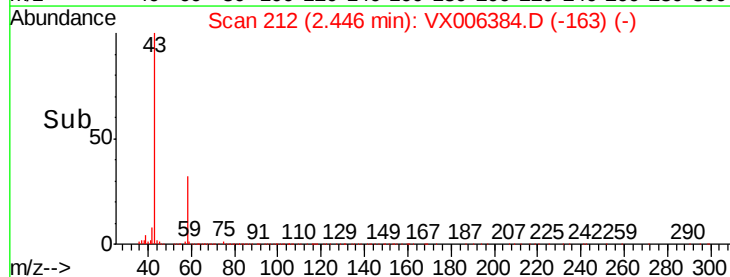
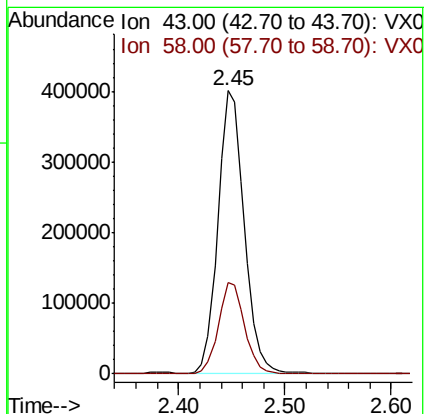
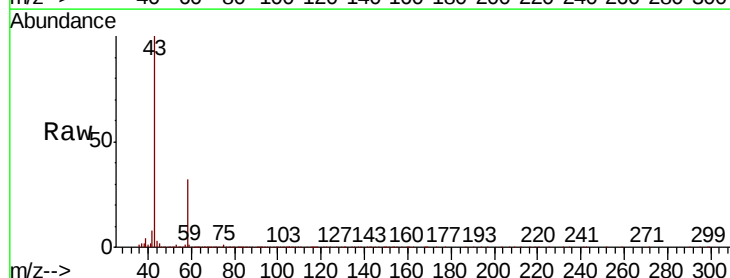
Acq: 10 Dec 2018 21:32

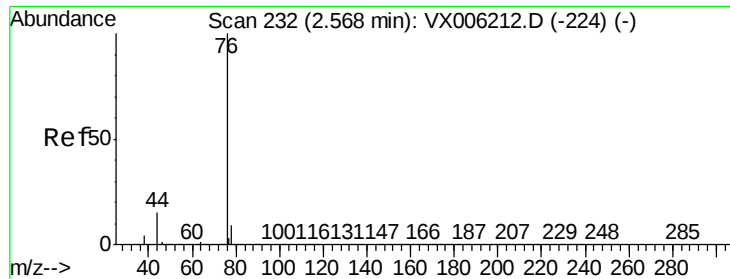
Tgt Ion: 43 Resp: 683385

Ion Ratio Lower Upper

43 100

58 32.3 24.0 36.0

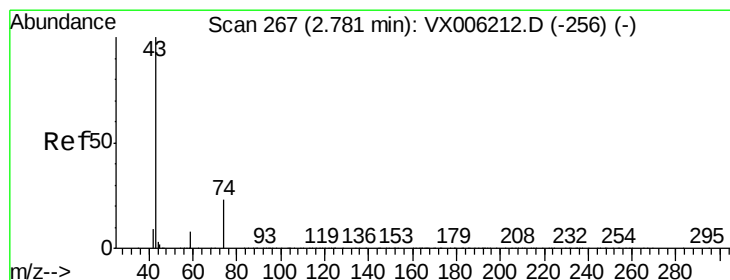
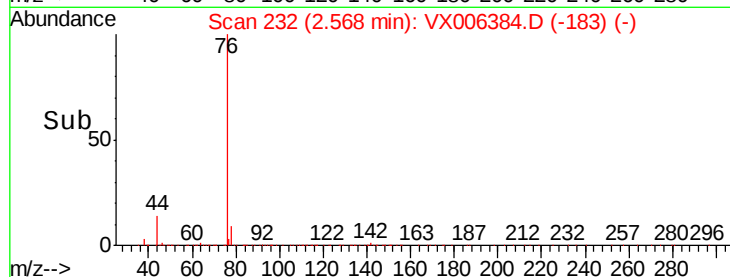
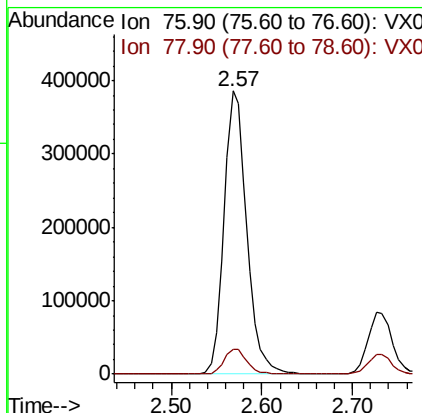
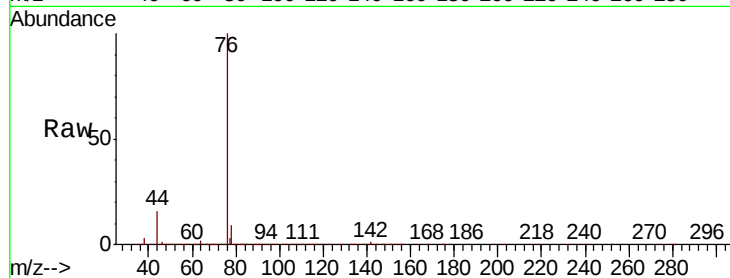




#17
Carbon Disulfide
Concen: 41.747 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

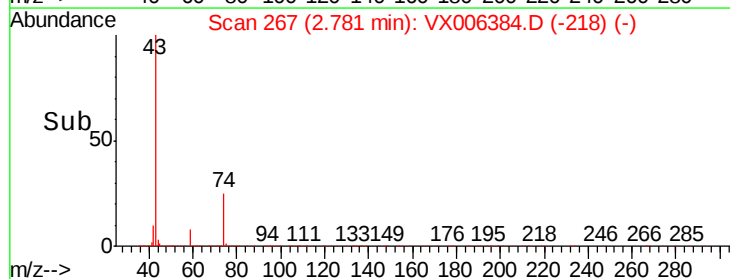
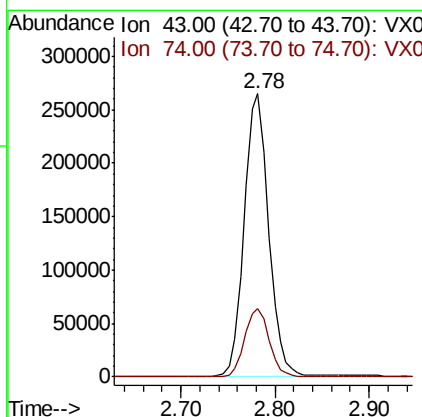
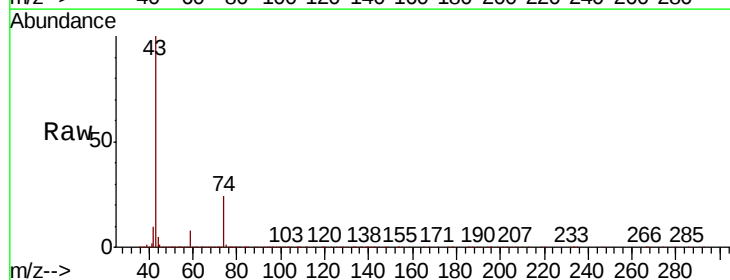
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

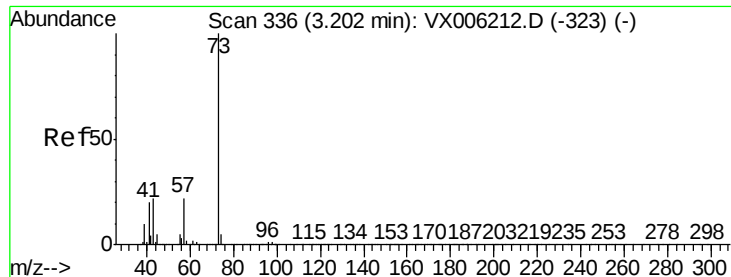
Tot Ion: 76 Resp: 668843
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 51.997 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 43 Resp: 478662
Ion Ratio Lower Upper
43 100
74 24.4 17.9 26.9

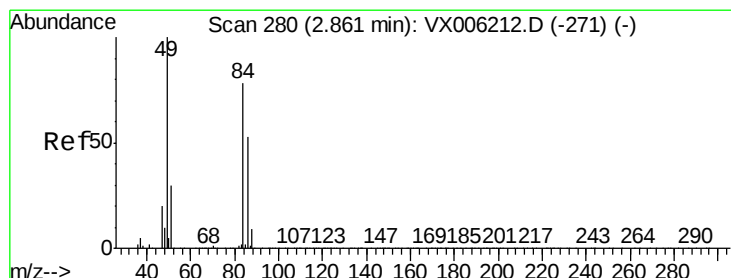
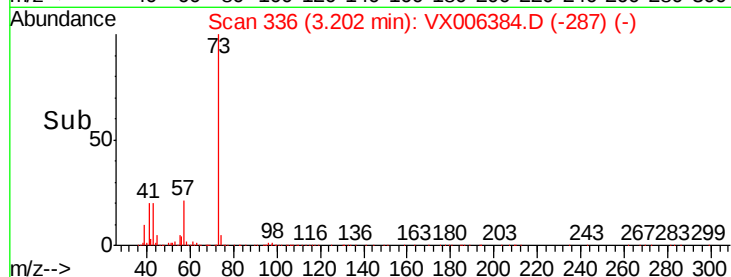
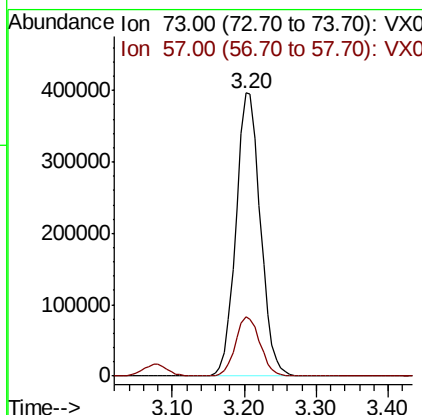
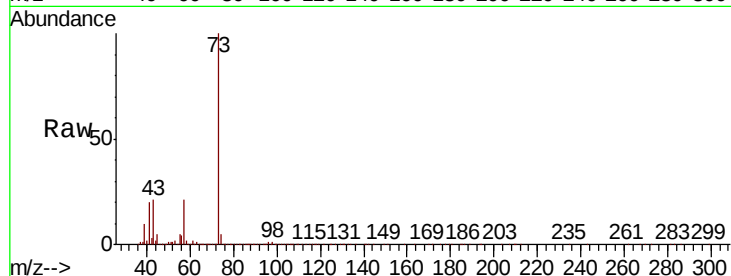




#19
Methyl tert-butyl Ether
Concen: 50.328 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

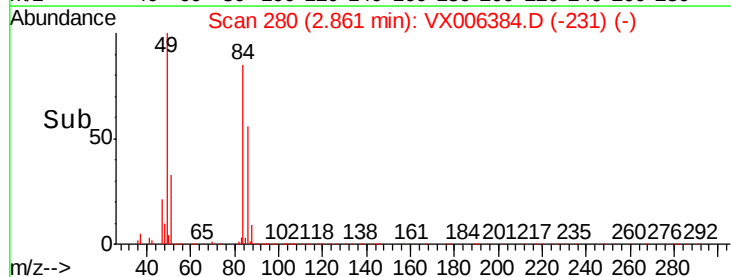
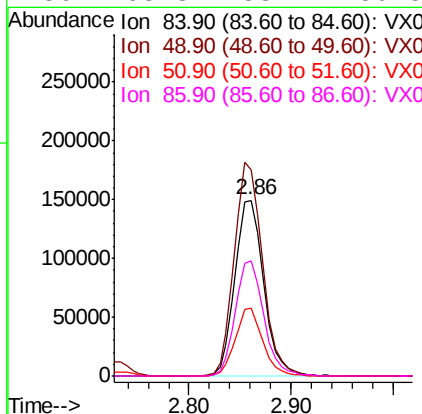
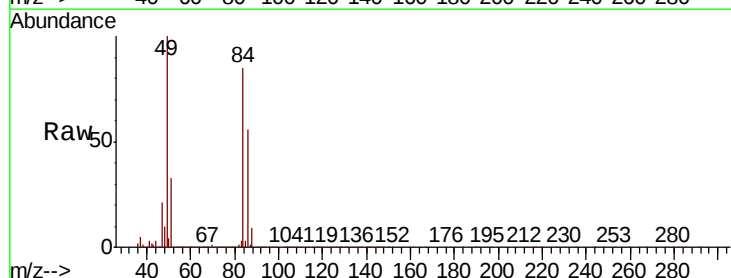
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 933479
Ion Ratio Lower Upper
73 100
57 20.8 17.5 26.3



#20
Methylene Chloride
Concen: 49.815 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 84 Resp: 291838
Ion Ratio Lower Upper
84 100
49 117.6 102.2 153.4
51 38.3 31.1 46.7
86 65.3 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 49.077 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

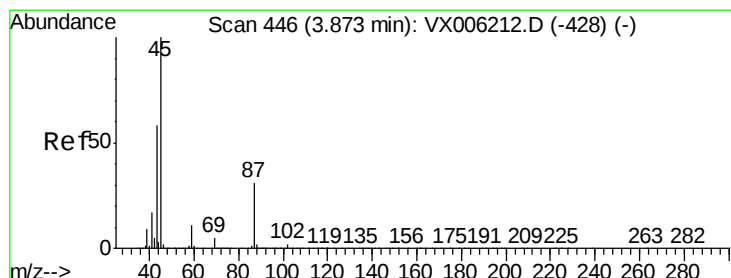
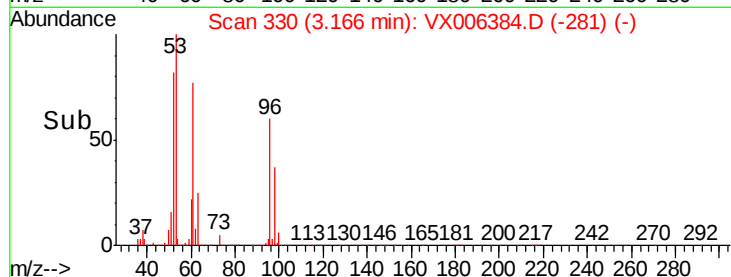
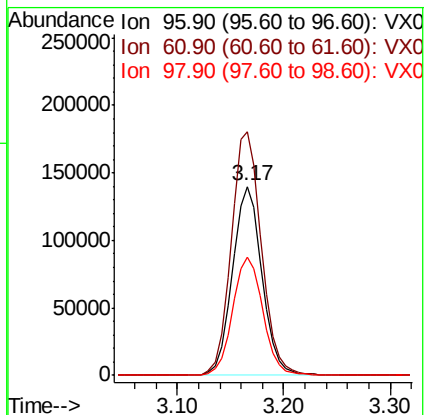
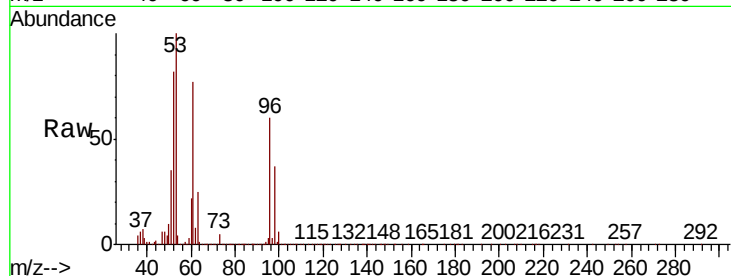
Tot Ion: 96 Resp: 271922

Ion Ratio Lower Upper

96 100

61 128.7 113.3 169.9

98 62.1 53.2 79.8



#22

Diisopropyl ether

Concen: 52.460 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Tgt Ion: 45 Resp: 841582

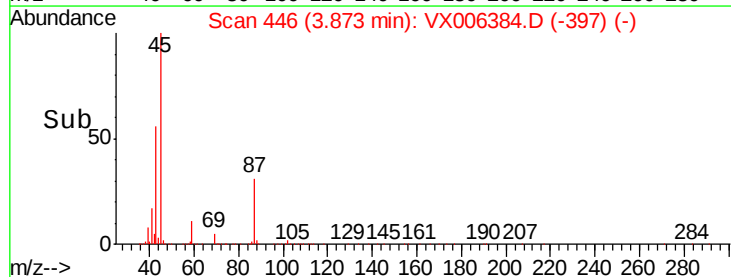
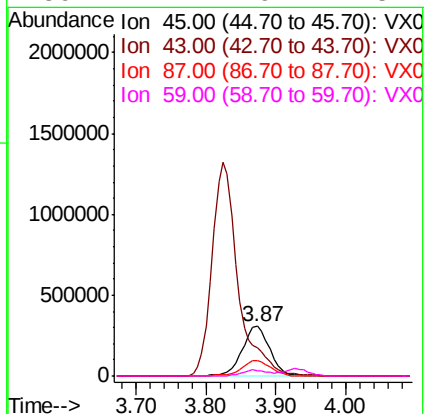
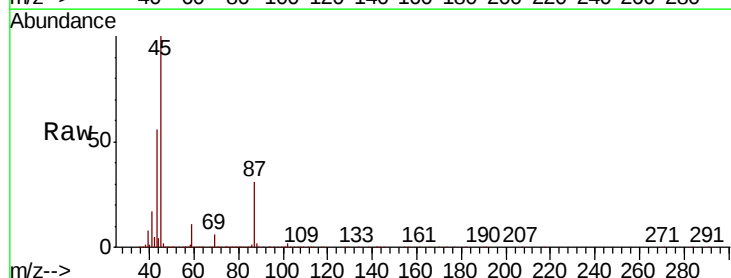
Ion Ratio Lower Upper

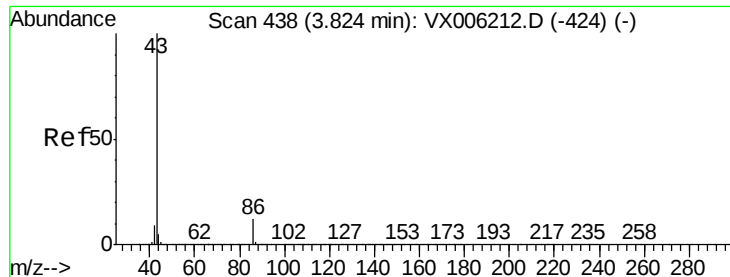
45 100

43 55.9 46.2 69.2

87 31.3 24.9 37.3

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 250.950 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

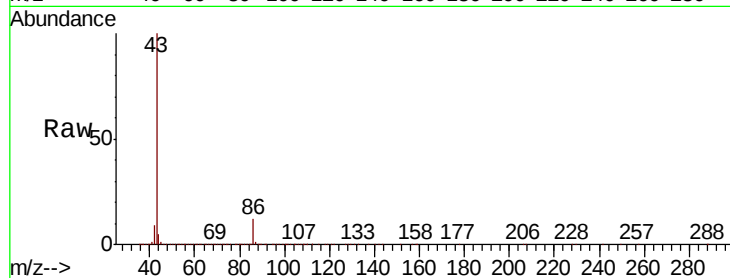
VSTDCCC050EC

Tot Ion: 43 Resp: 3433677

Ion Ratio Lower Upper

43 100

86 12.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

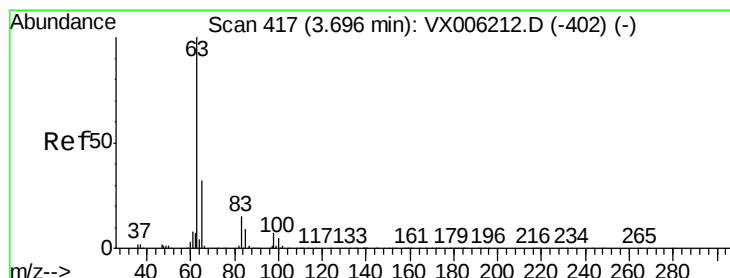
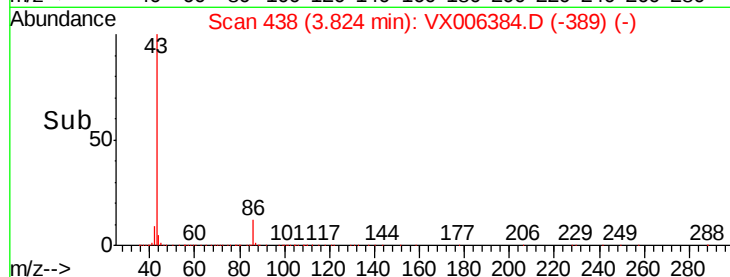
1000000

500000

0

3.82

Time-->



#24

1,1-Dichloroethane

Concen: 52.288 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

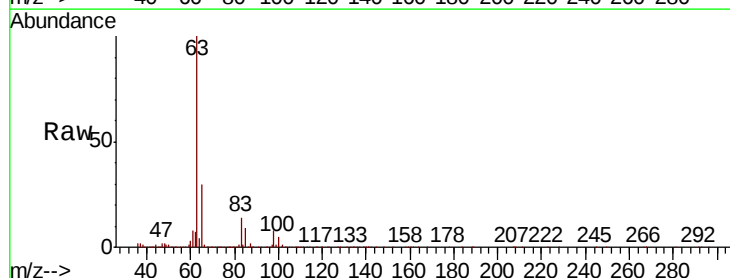
Tgt Ion: 63 Resp: 479445

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.6 2.5 7.4



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

250000

200000

150000

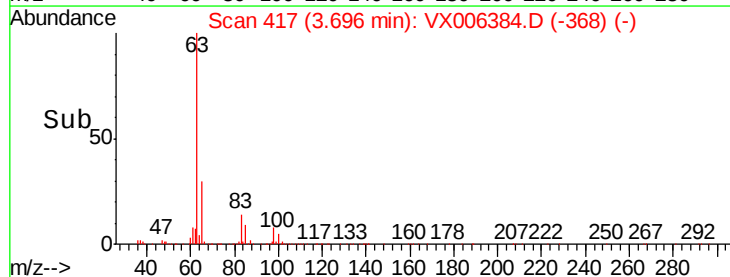
100000

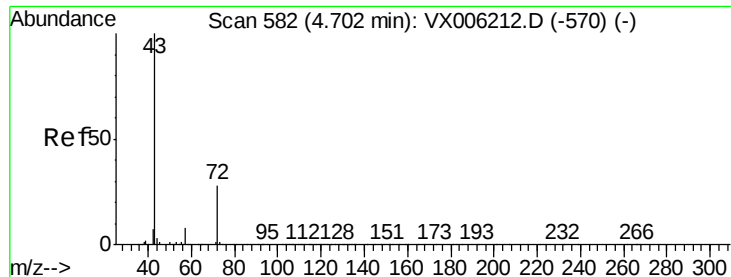
50000

0

3.70

Time-->





#25

2-Butanone

Concen: 258.556 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

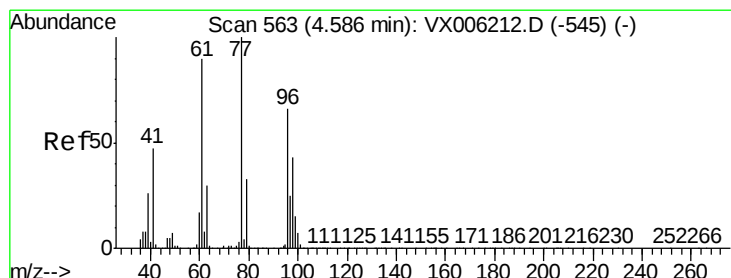
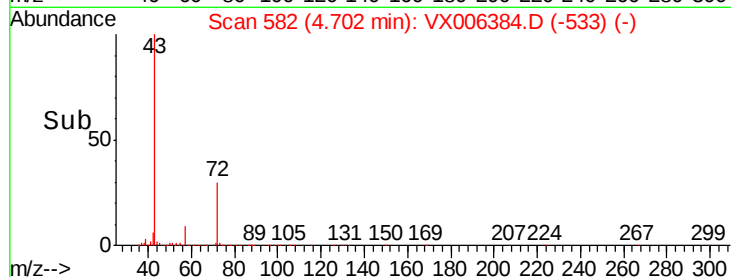
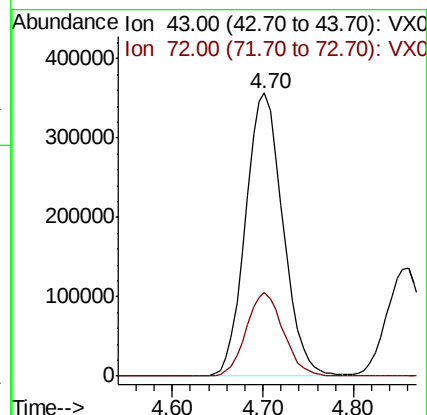
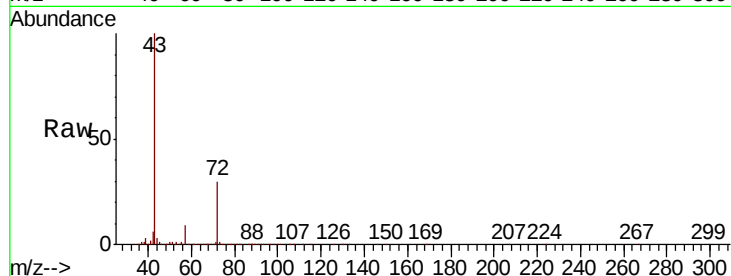
VSTDCCC050EC

Tot Ion: 43 Resp: 101537

Ion Ratio Lower Upper

43 100

72 29.6 22.6 33.8



#26

2,2-Dichloropropane

Concen: 44.426 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006384.D

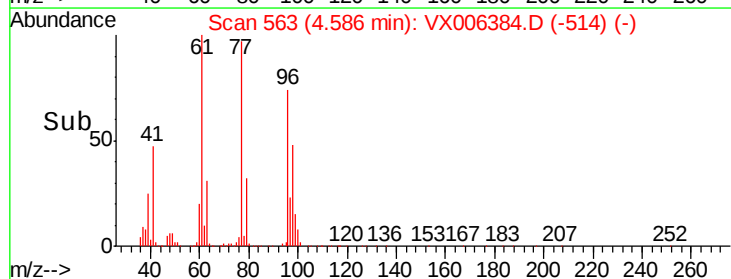
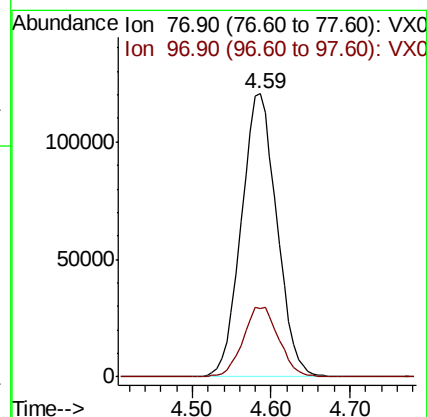
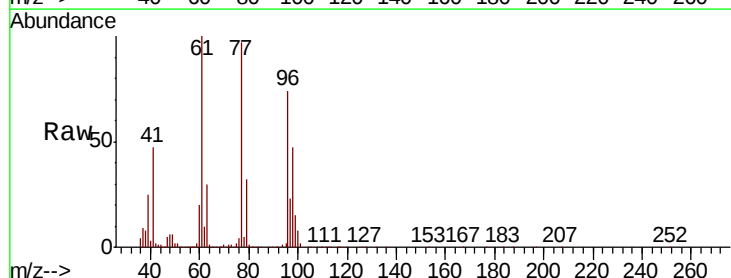
Acq: 10 Dec 2018 21:32

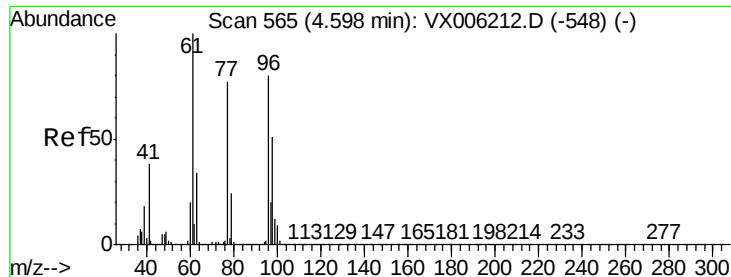
Tgt Ion: 77 Resp: 375949

Ion Ratio Lower Upper

77 100

97 24.8 12.3 36.8



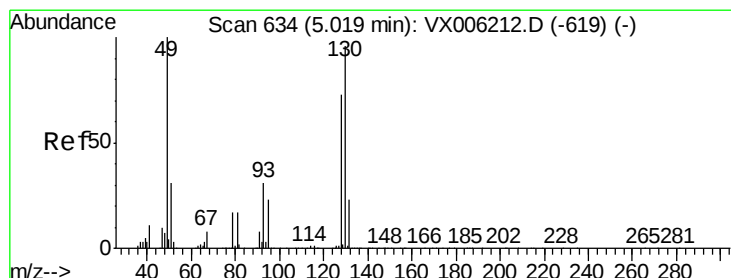
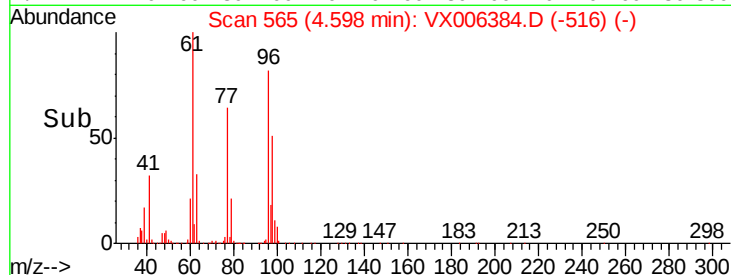
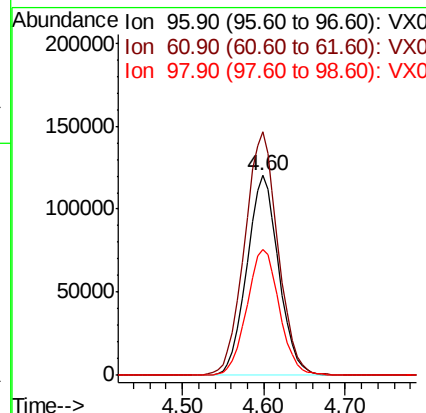
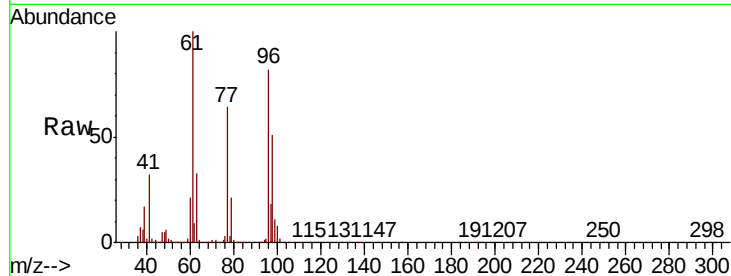


#27

cis-1,2-Dichloroethene
Concen: 52.949 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

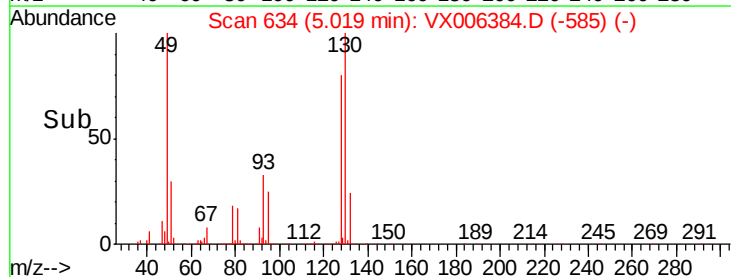
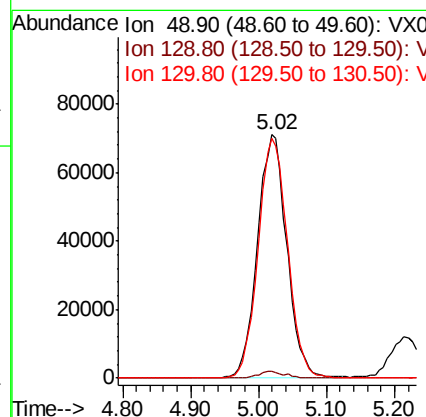
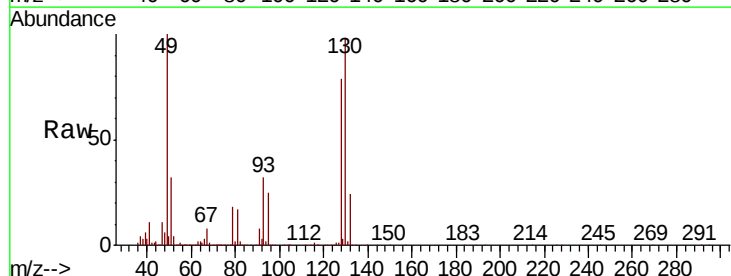
Tot Ion: 96 Resp: 327242
Ion Ratio Lower Upper
96 100
61 127.3 0.0 265.0
98 64.4 0.0 130.2

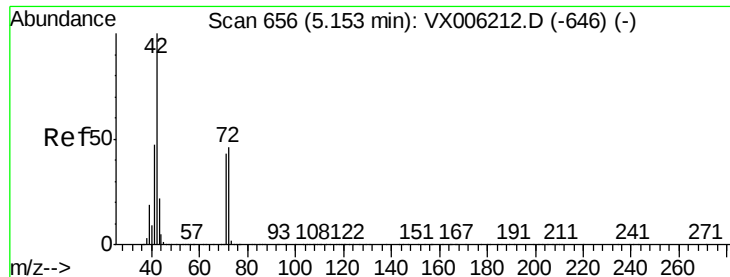


#28

Bromochloromethane
Concen: 53.505 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 49 Resp: 214292
Ion Ratio Lower Upper
49 100
129 2.6 0.0 5.0
130 98.5 78.3 117.5





#29

Tetrahydrofuran

Concen: 251.591 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

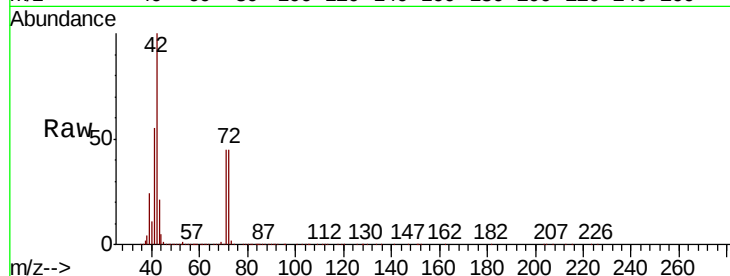
Tot Ion: 42 Resp: 686786

Ion Ratio Lower Upper

42 100

72 49.0 37.8 56.8

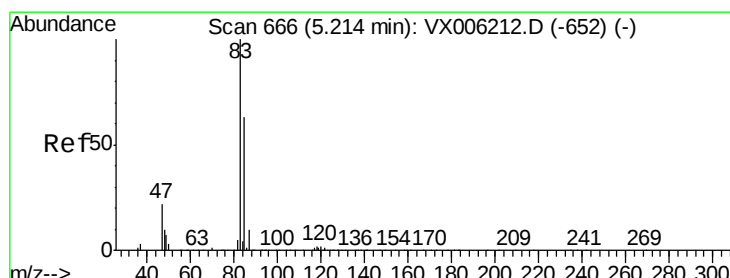
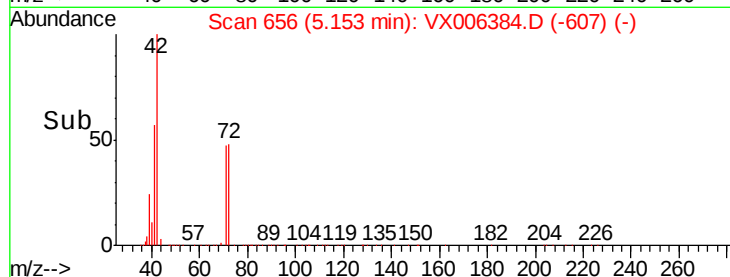
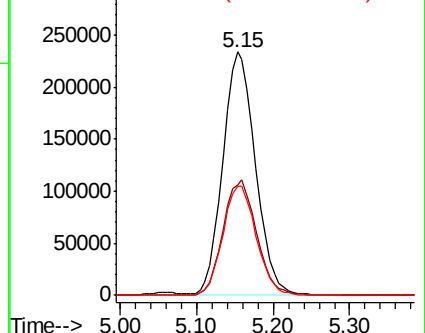
71 46.3 35.2 52.8



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: 53.442 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006384.D

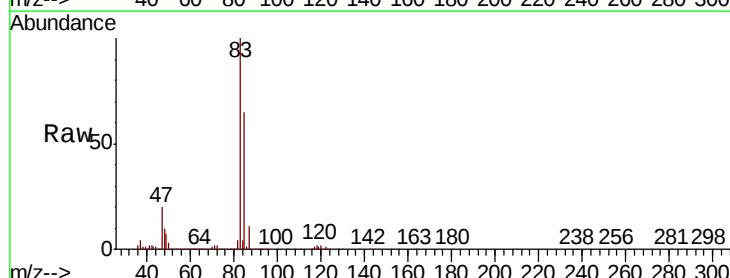
Acq: 10 Dec 2018 21:32

Tgt Ion: 83 Resp: 514962

Ion Ratio Lower Upper

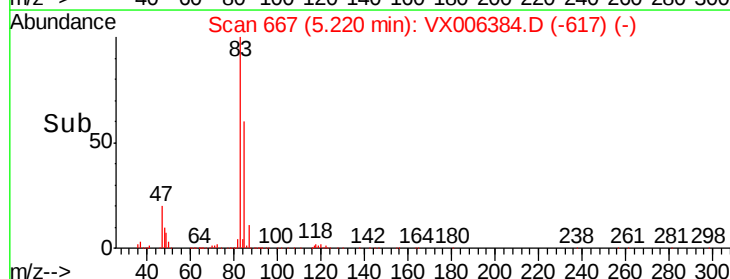
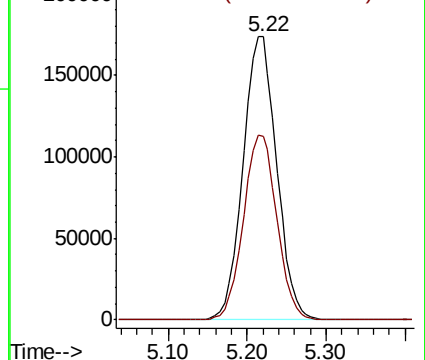
83 100

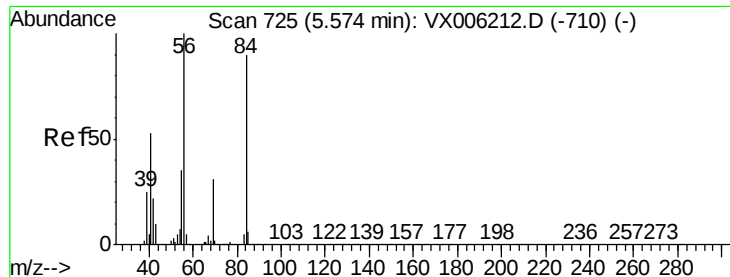
85 64.8 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

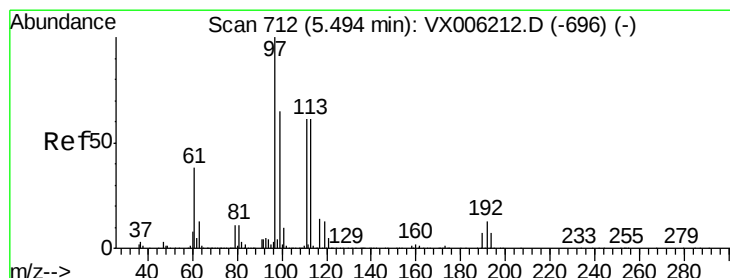
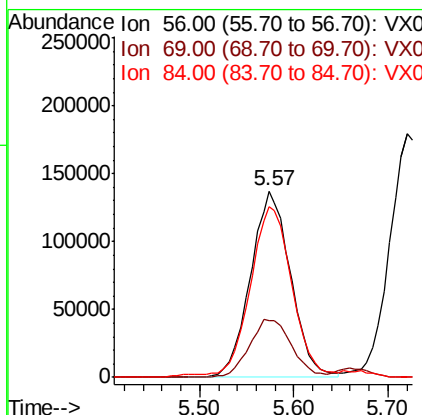
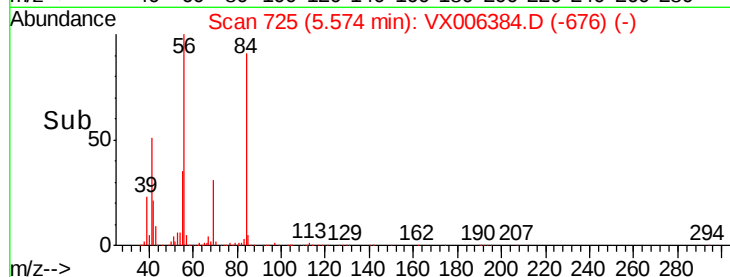
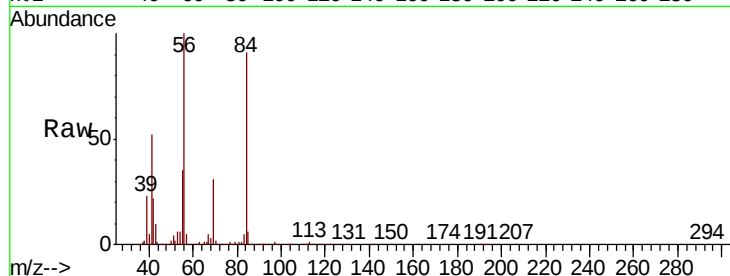




#31
Cvclohexane
Concen: 48.232 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

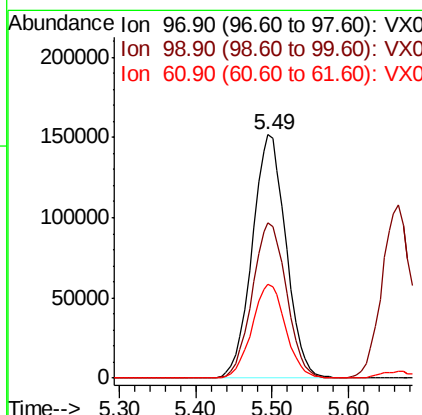
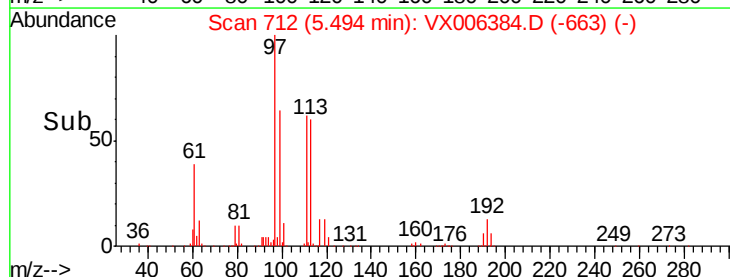
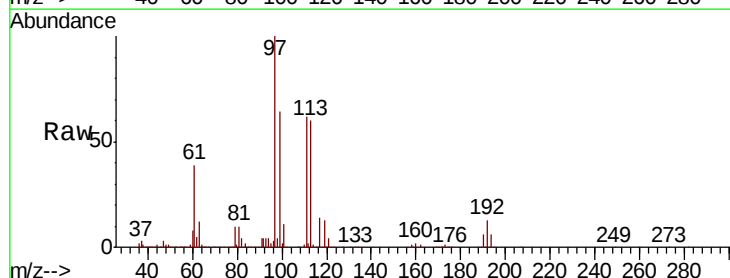
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

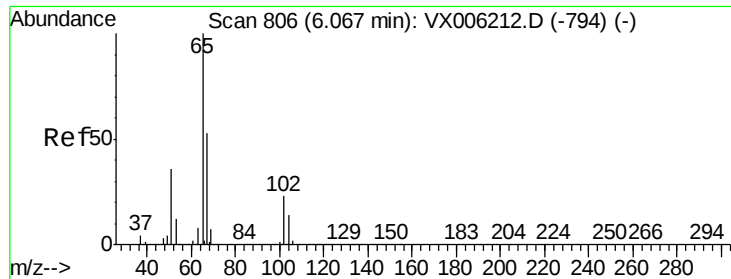
Tot Ion: 56 Resp: 408714
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 89.5 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 50.850 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 97 Resp: 466206
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 38.3 30.6 46.0

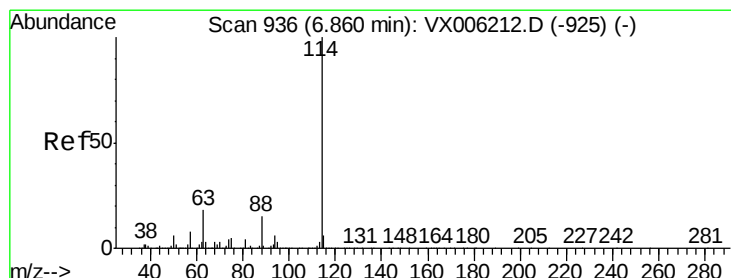
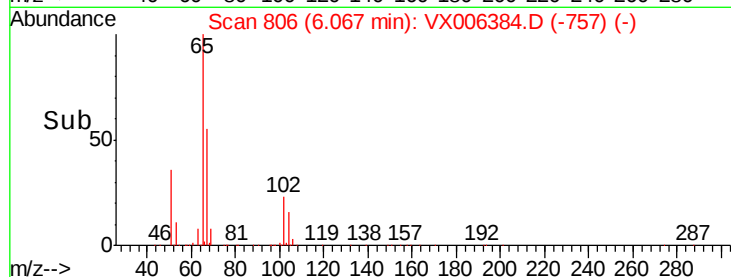
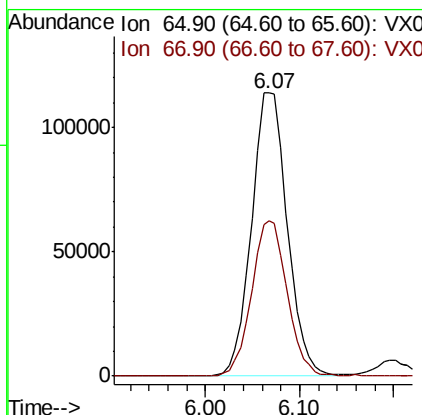
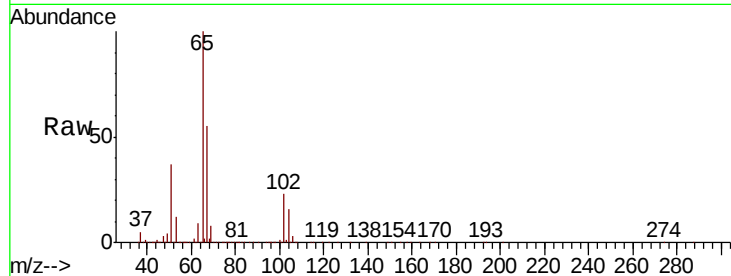




#33
 1,2-Dichloroethane-d4
 Concen: 51.809 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

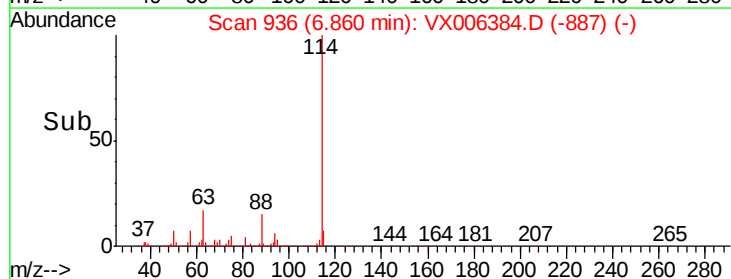
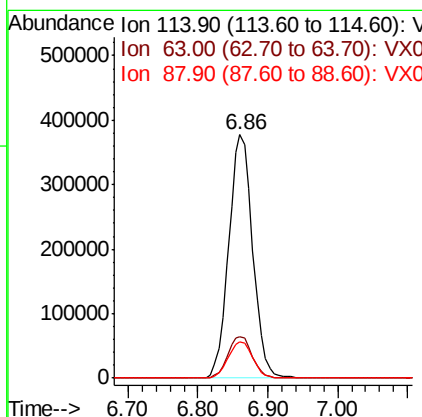
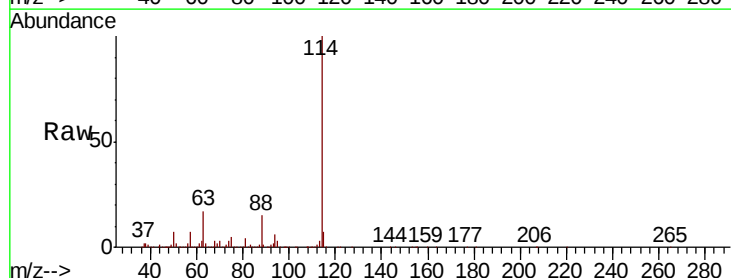
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 303894
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

Tgt Ion: 114 Resp: 896284
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.6
 88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.175 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

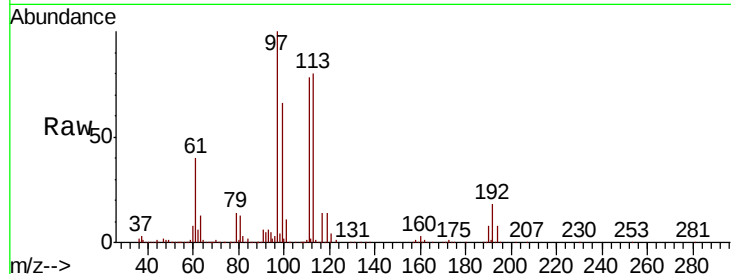
Tot Ion:113 Resp: 291169

Ion Ratio Lower Upper

113 100

111 101.5 81.1 121.7

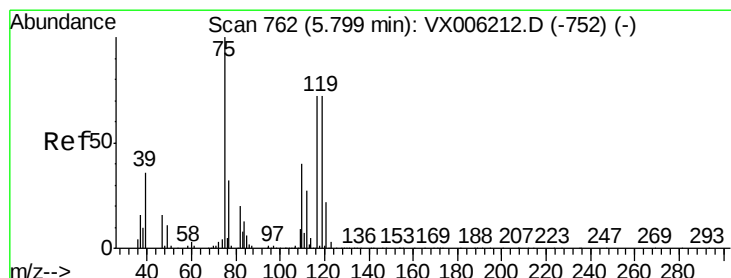
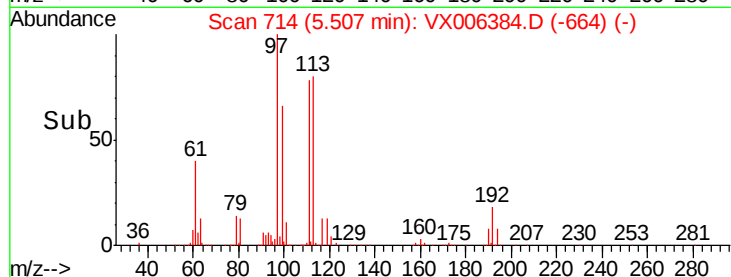
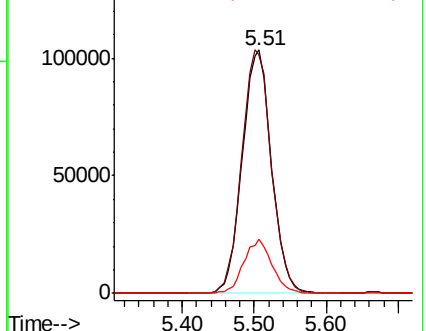
192 21.5 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.384 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

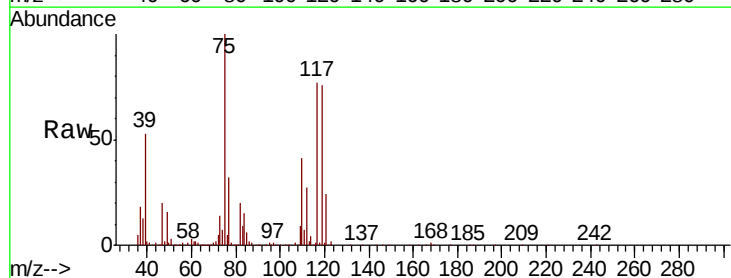
Tgt Ion: 75 Resp: 357637

Ion Ratio Lower Upper

75 100

110 41.2 20.4 61.3

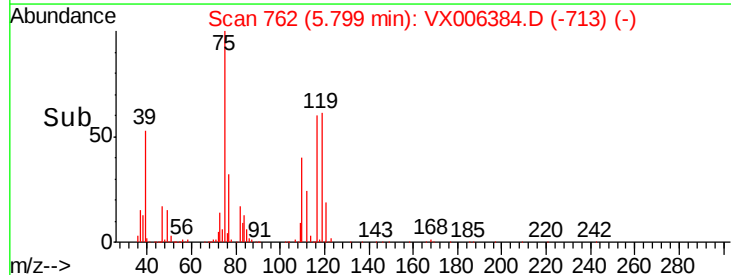
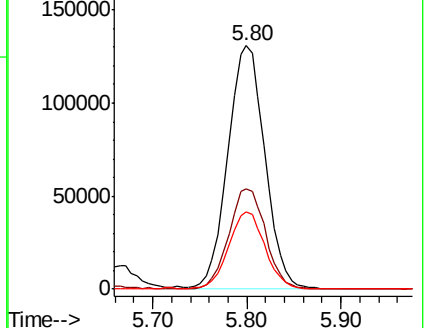
77 31.2 24.9 37.3

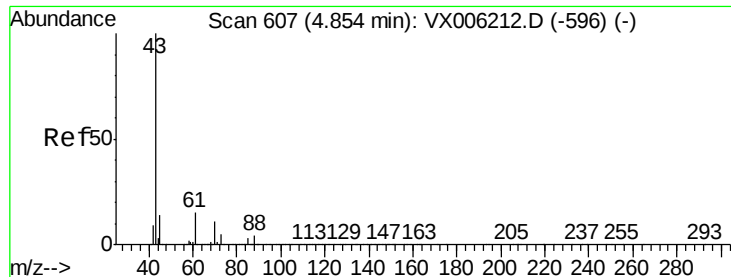


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

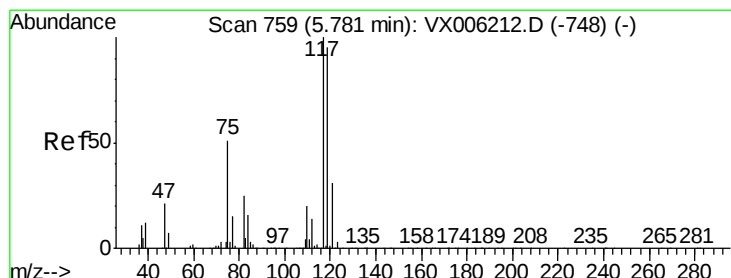
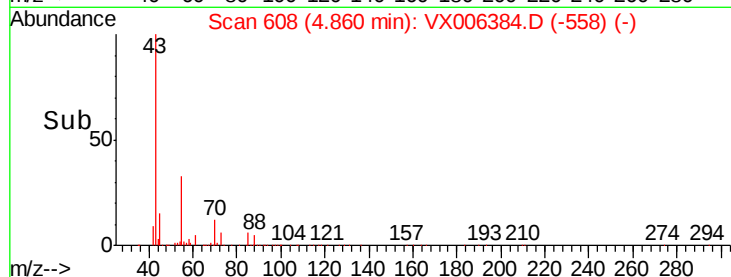
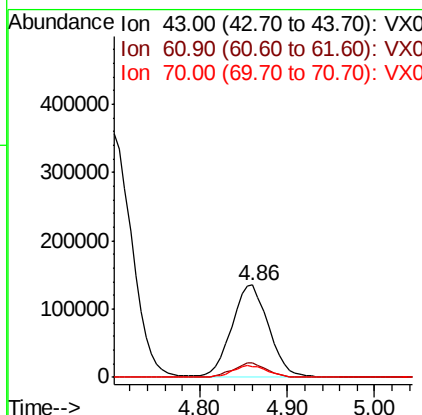
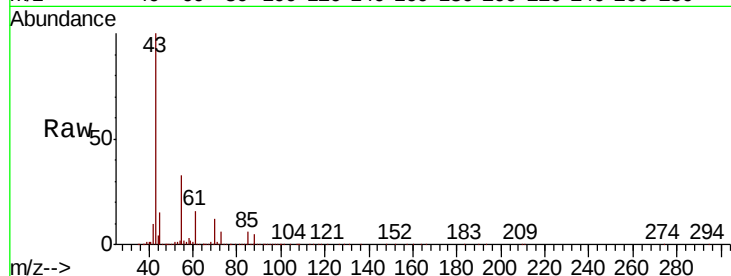




#37
Ethyl Acetate
Concen: 46.696 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

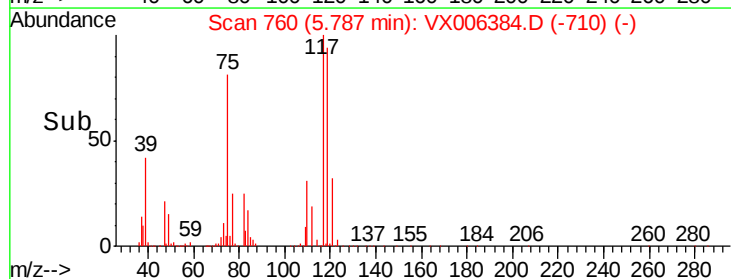
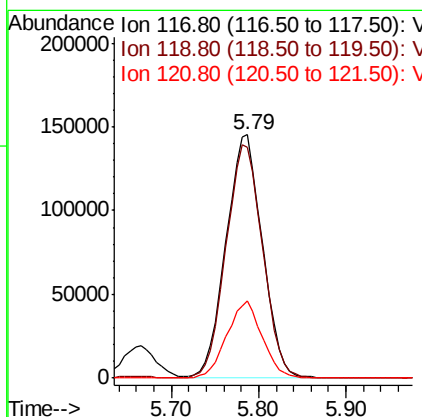
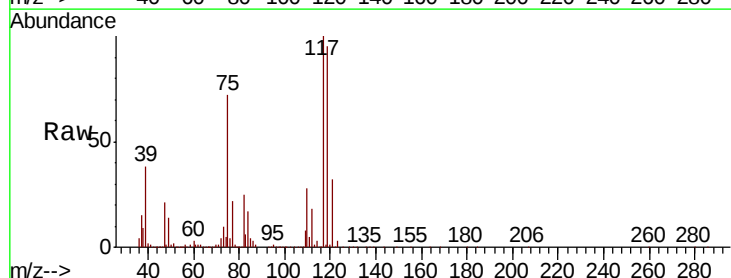
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 394695
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 12.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 47.179 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 117 Resp: 418908
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
121 31.6 24.6 37.0

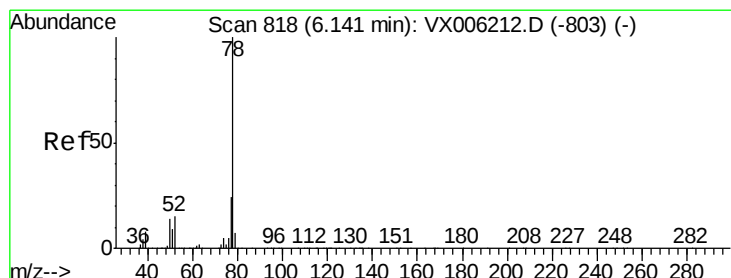
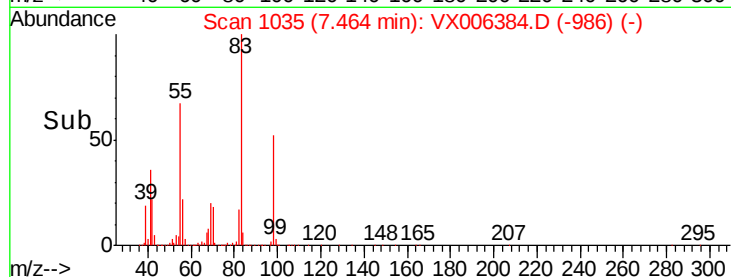
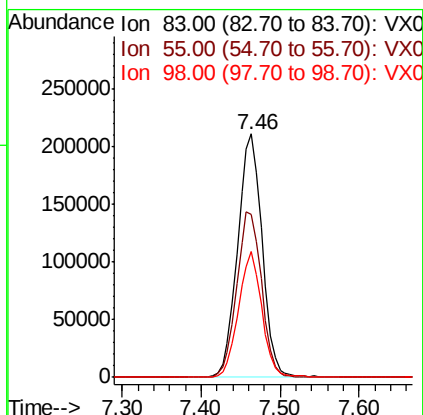
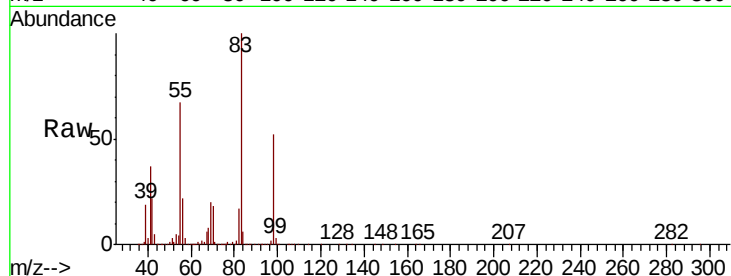




#39
Methvlcvclohexane
Concen: 46.718 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

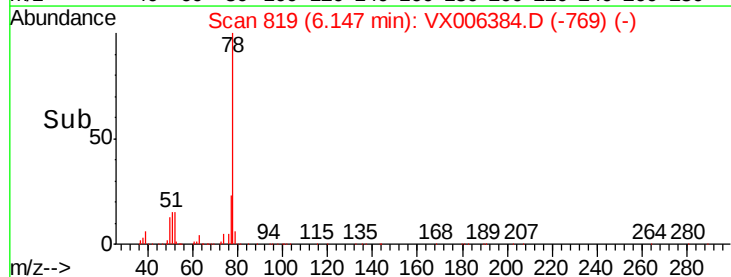
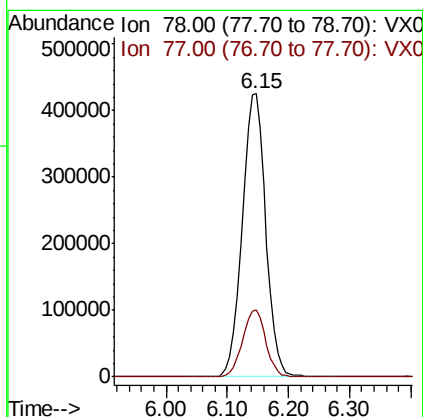
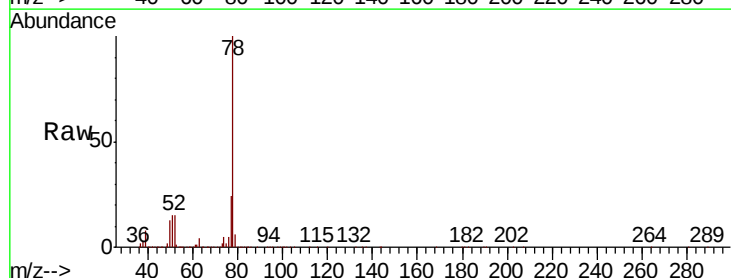
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

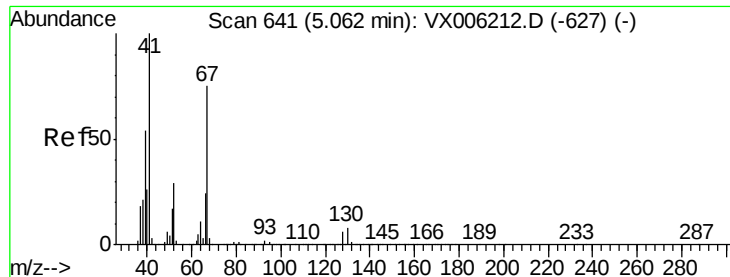
Tot Ion: 83 Resp: 457706
Ion Ratio Lower Upper
83 100
55 66.6 56.4 84.6
98 51.6 39.0 58.6



#40
Benzene
Concen: 49.902 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 78 Resp: 1128080
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

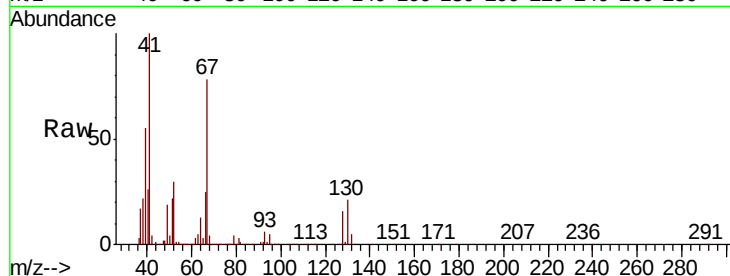




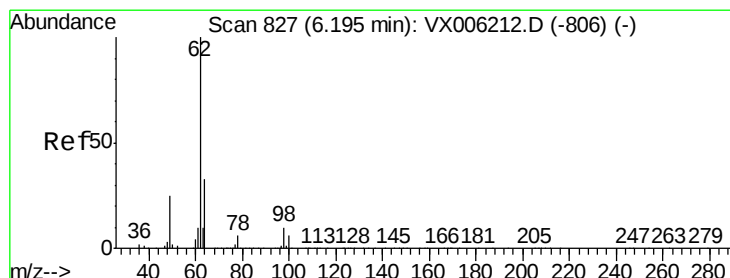
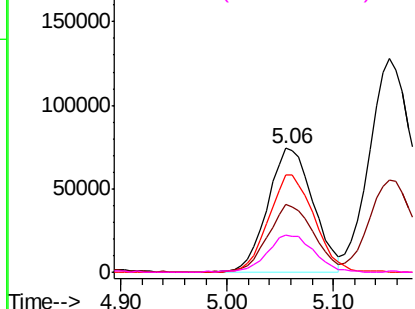
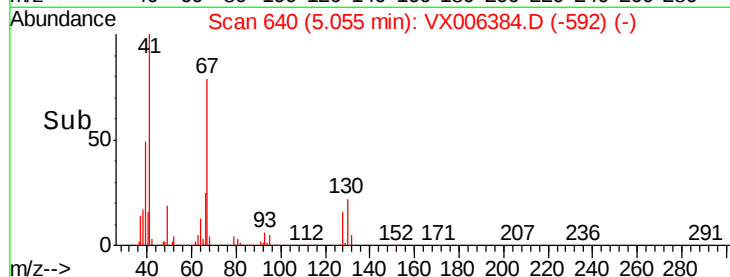
#41
Methacrylonitrile
Concen: 47.123 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	219167
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.0	66.0
67	79.2	61.4	92.0
52	29.5	23.5	35.3

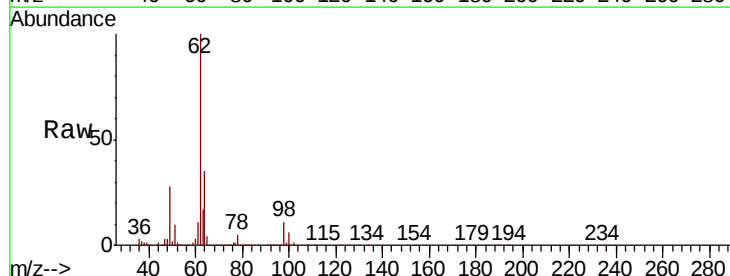


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

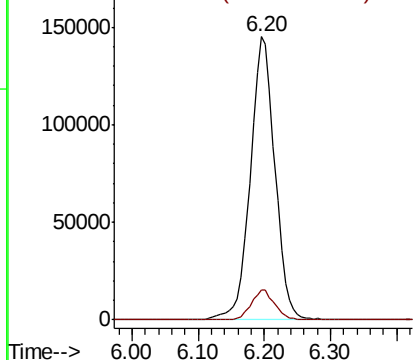
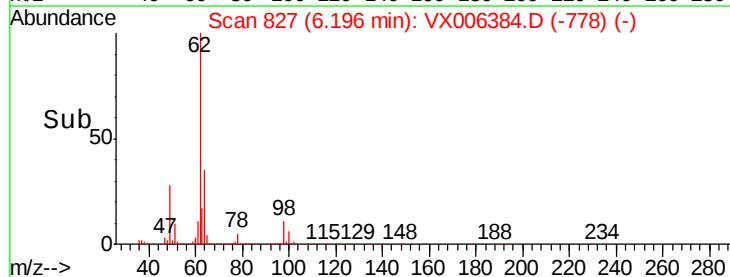


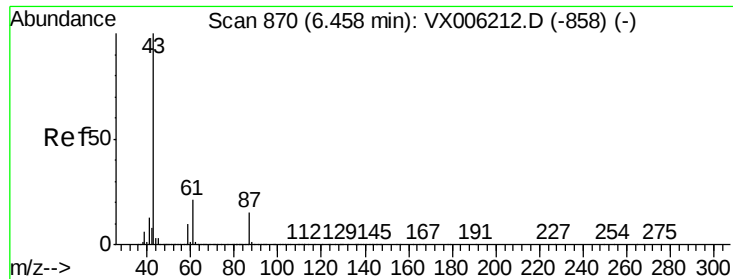
#42
1,2-Dichloroethane
Concen: 50.722 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion:	62	Resp:	375267
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



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



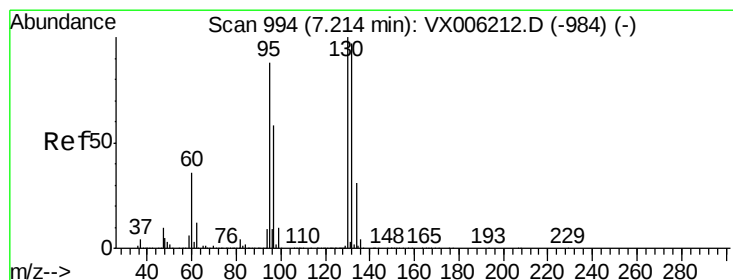
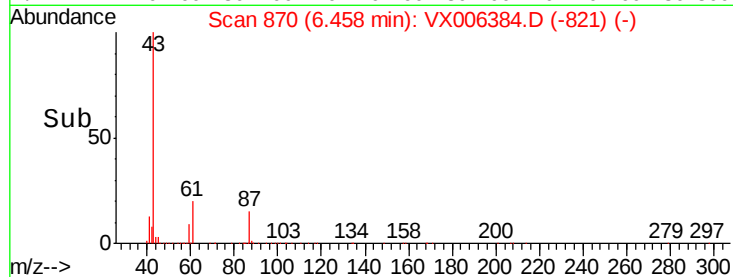
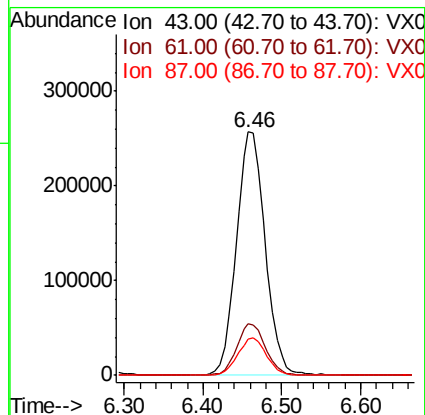
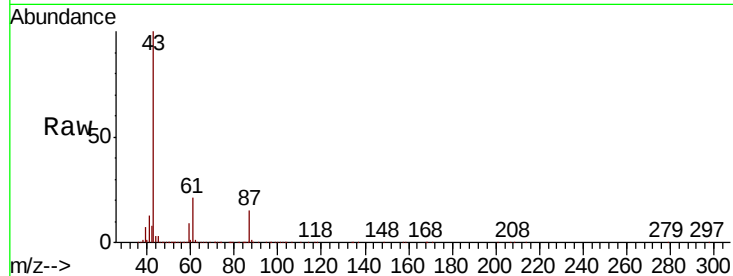


#43

Isopropyl Acetate
 Concen: 46.053 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

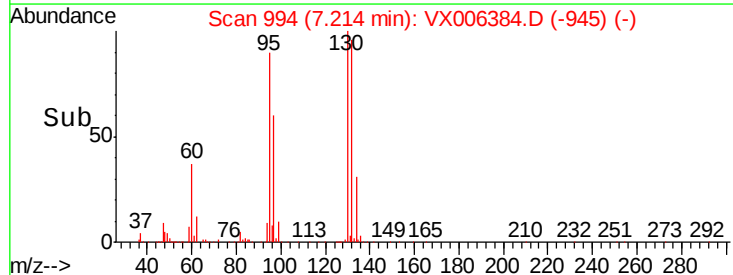
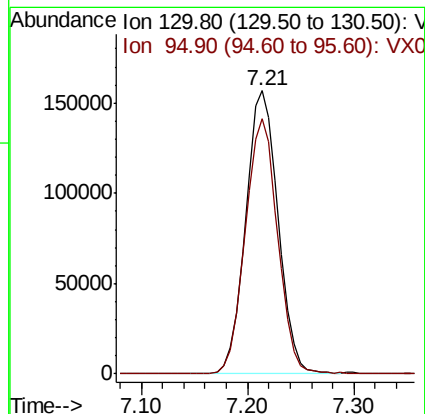
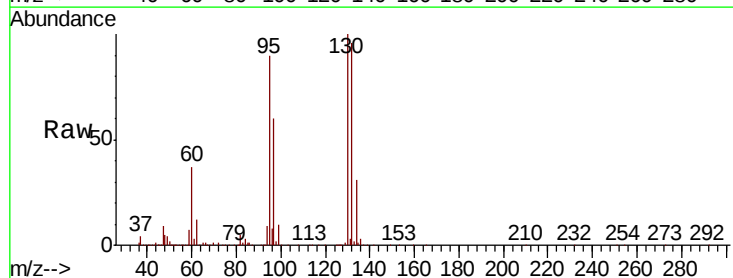
Tot Ion	43	Resp	649003
Ion Ratio	Lower	Upper	
43	100		
61	21.2	16.8	25.2
87	15.6	11.9	17.9



#44

Trichloroethene
 Concen: 48.997 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

Tgt Ion	130	Resp	335545
Ion Ratio	Lower	Upper	
130	100		
95	90.3	0.0	175.8





#45

1,2-Dichloropropane

Concen: 48.768 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

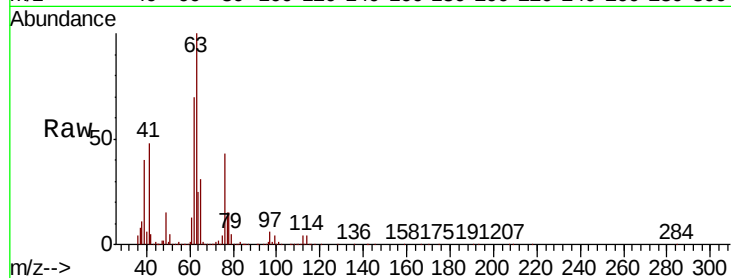
VSTDCCC050EC

Tot Ion: 63 Resp: 280190

Ion Ratio Lower Upper

63 100

65 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

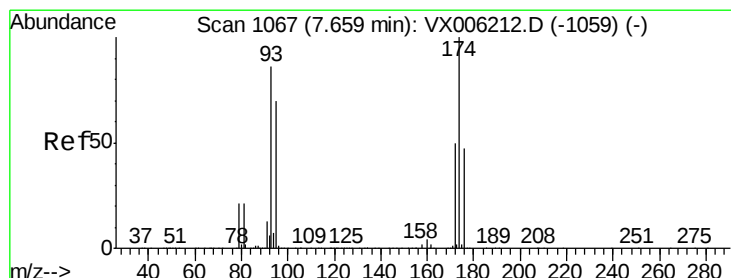
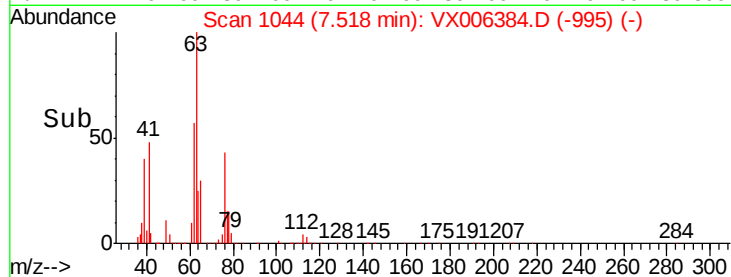
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.714 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

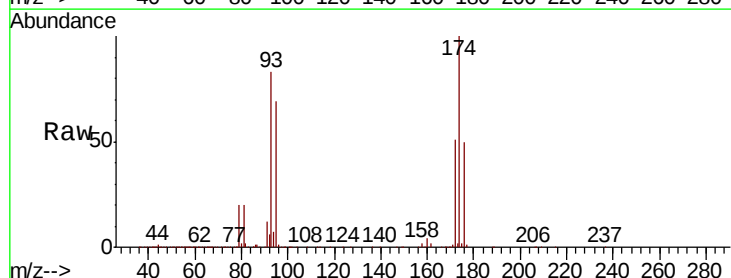
Tgt Ion: 93 Resp: 206282

Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

174 115.1 97.2 145.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

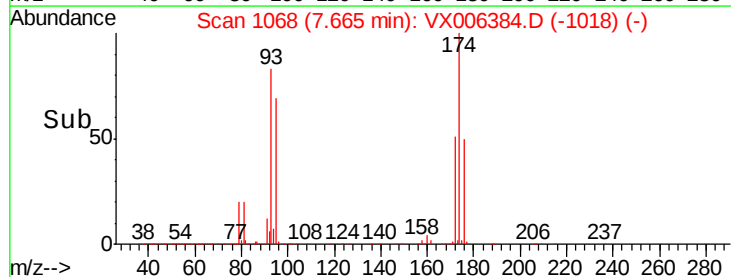
150000

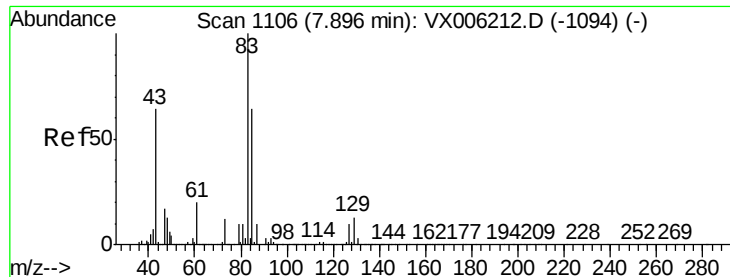
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.467 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

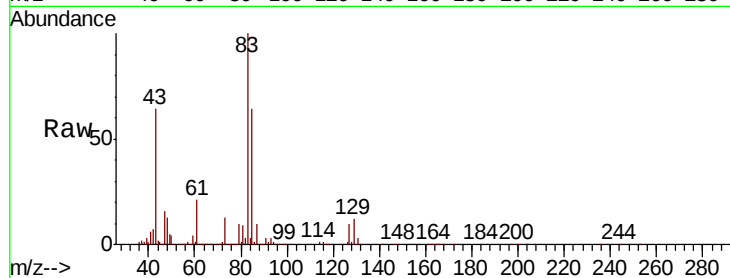
Tot Ion: 83 Resp: 389452

Ion Ratio Lower Upper

83 100

85 63.7 51.4 77.0

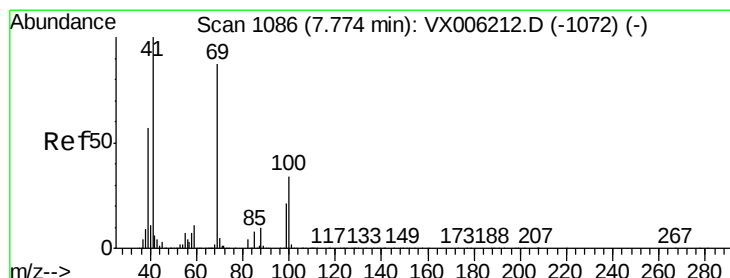
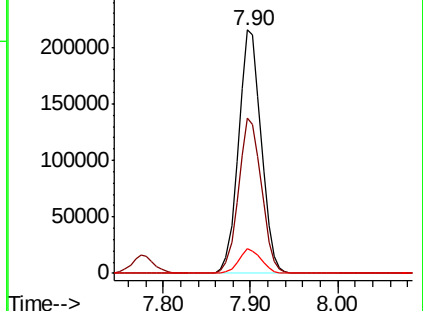
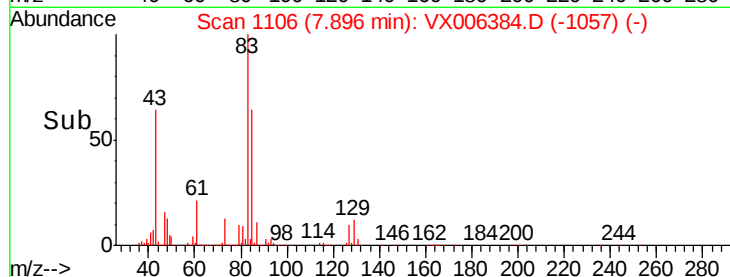
127 10.1 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.594 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

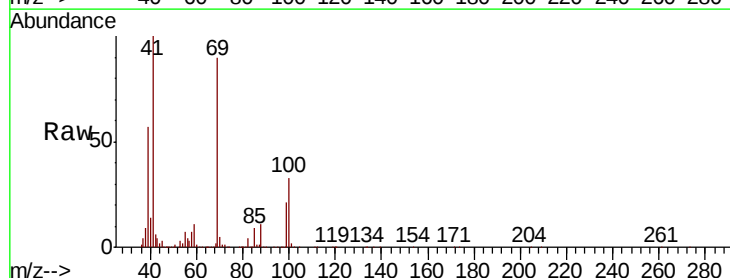
Tgt Ion: 41 Resp: 326297

Ion Ratio Lower Upper

41 100

69 90.6 70.3 105.5

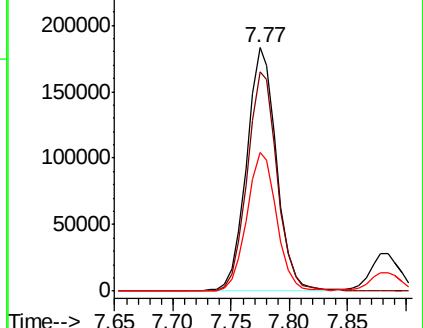
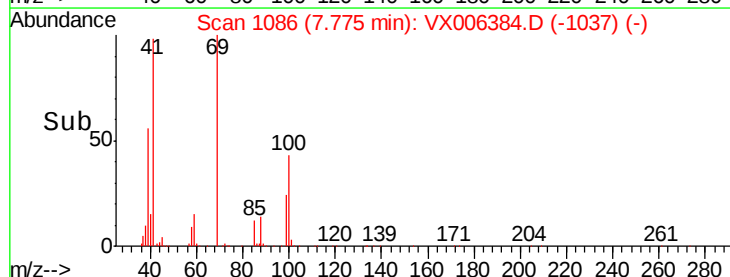
39 57.5 45.3 67.9

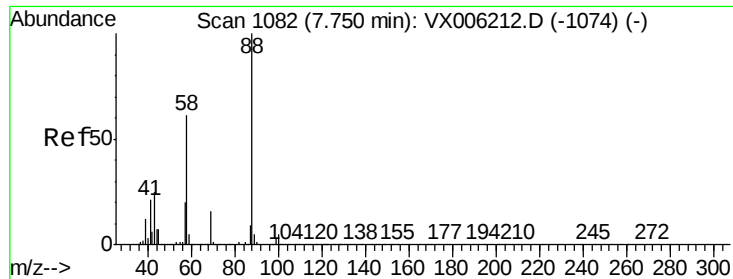


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 985.800 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

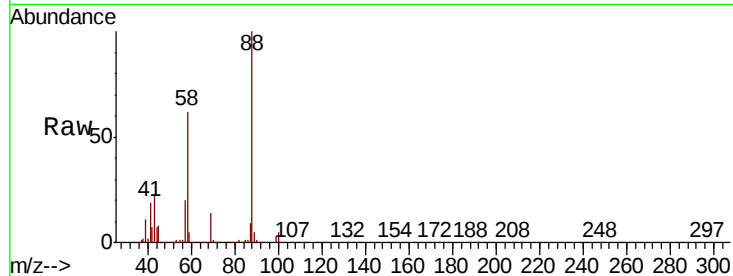
Tot Ion: 88 Resp: 166573

Ion Ratio Lower Upper

88 100

43 26.7 23.2 34.8

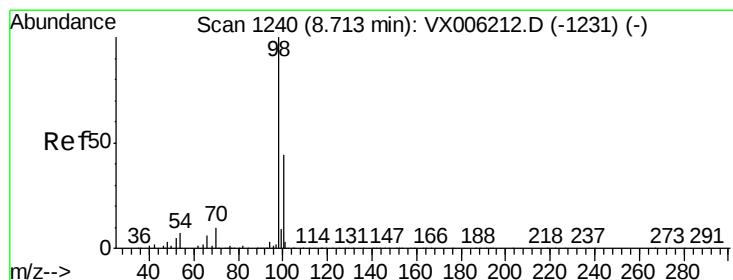
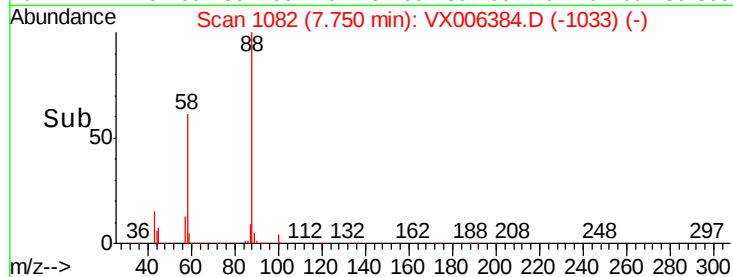
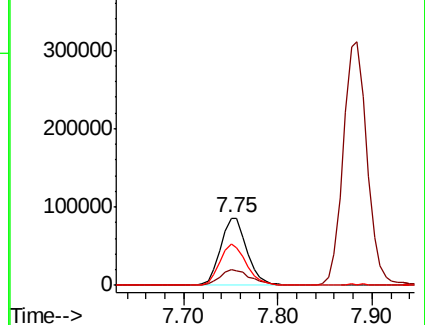
58 62.4 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.236 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006384.D

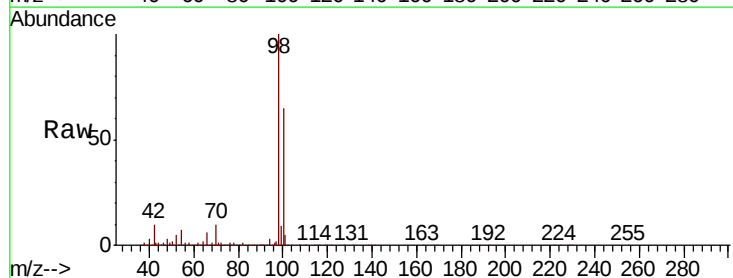
Acq: 10 Dec 2018 21:32

Tgt Ion: 98 Resp: 1039291

Ion Ratio Lower Upper

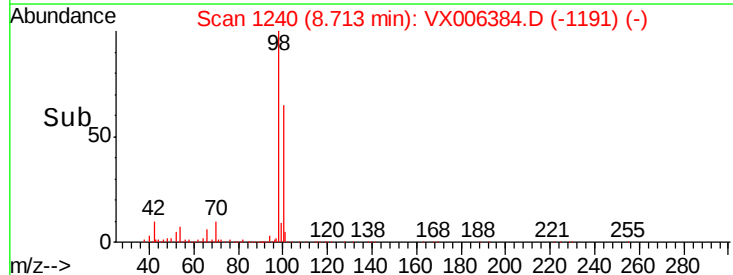
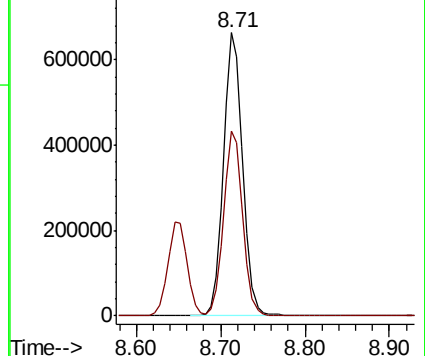
98 100

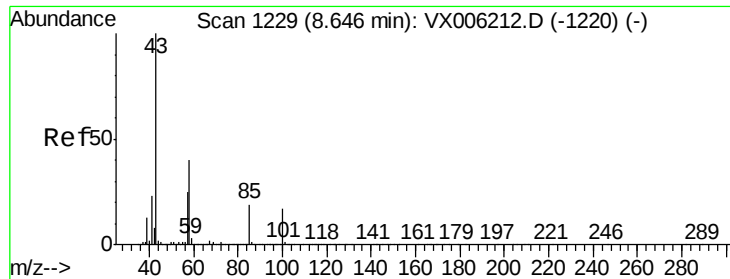
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 244.568 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

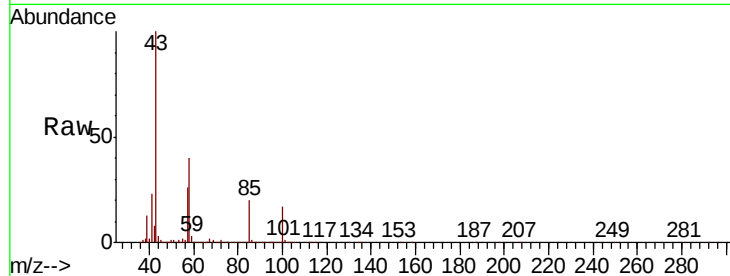
VSTDCCC050EC

Tot Ion: 43 Resp: 2006408

Ion Ratio Lower Upper

43 100

58 40.0 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

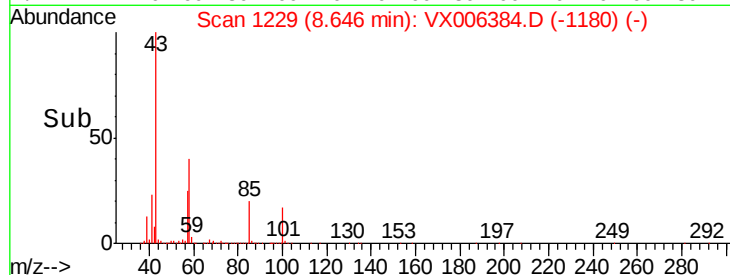
1000000

500000

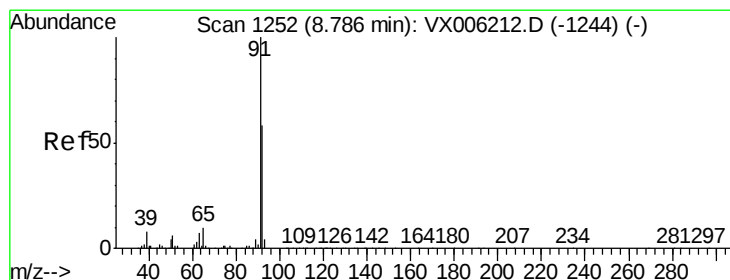
0

8.65

8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 49.843 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006384.D

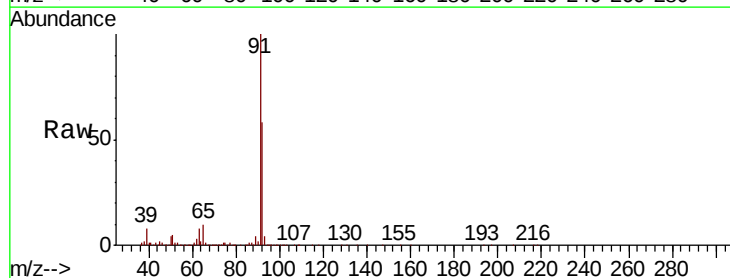
Acq: 10 Dec 2018 21:32

Tgt Ion: 92 Resp: 741287

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

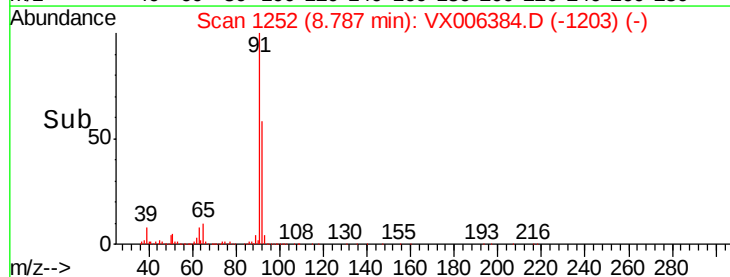
400000

200000

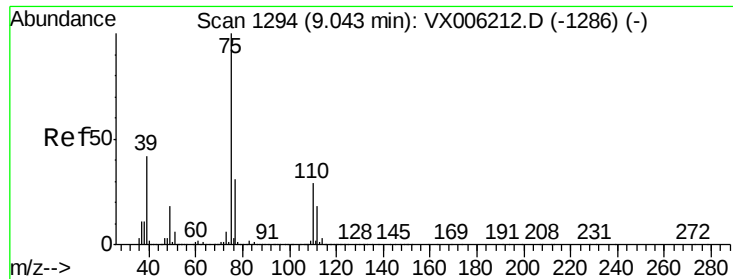
0

8.79

8.70 8.80 8.90 9.00



Time-->



#53

t-1,3-Dichloropropene

Concen: 45.366 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

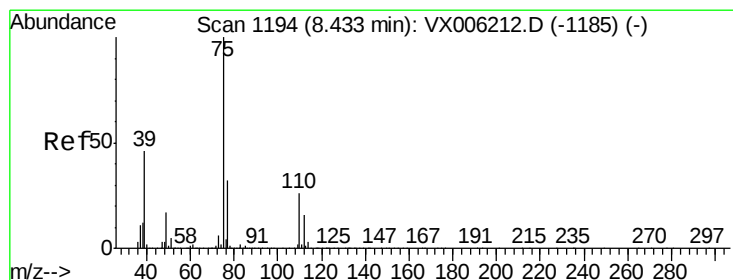
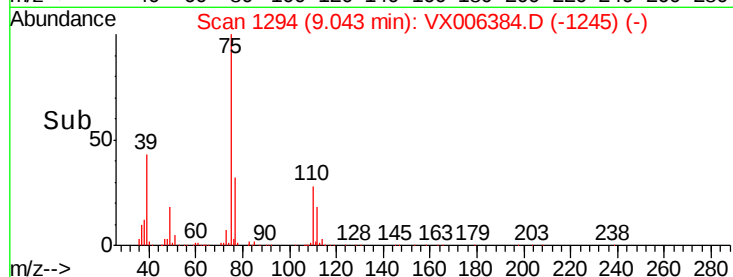
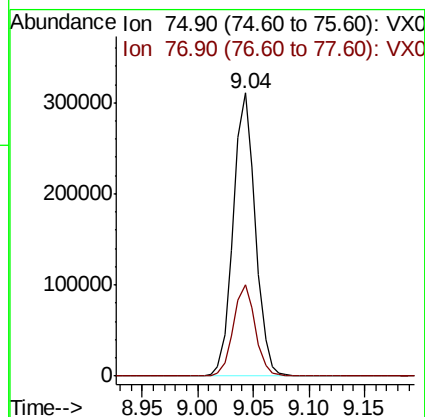
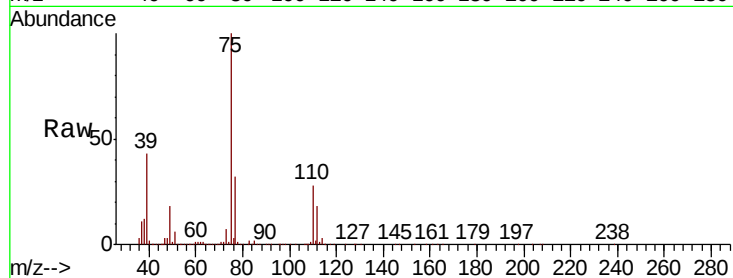
VSTDCCC050EC

Tot Ion: 75 Resp: 426320

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 46.581 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

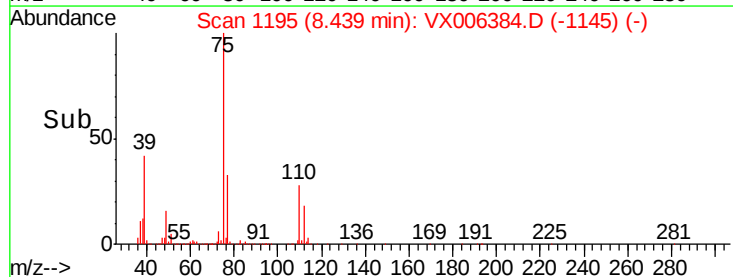
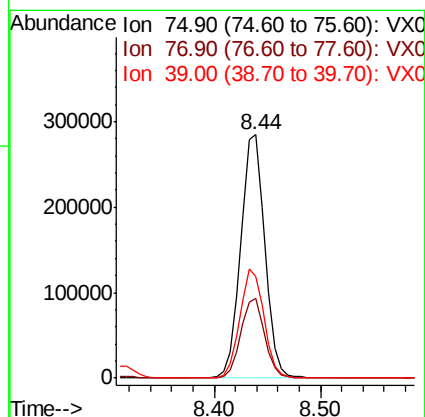
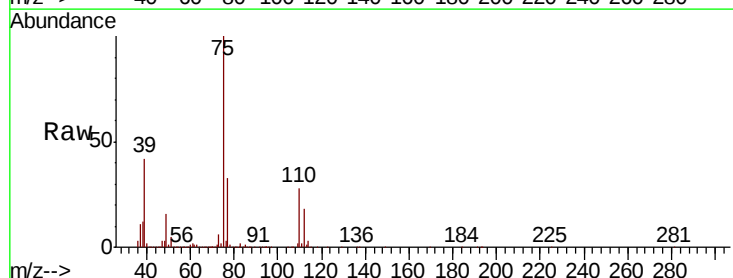
Tgt Ion: 75 Resp: 454542

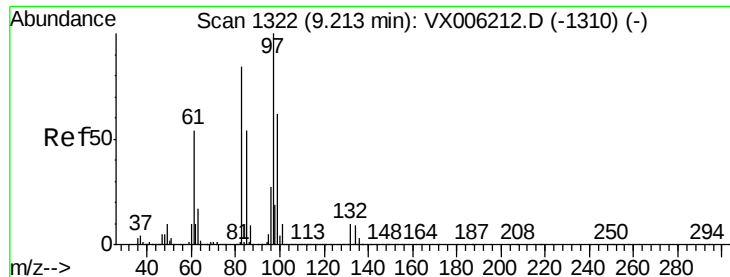
Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

39 41.8 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 52.267 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 315799

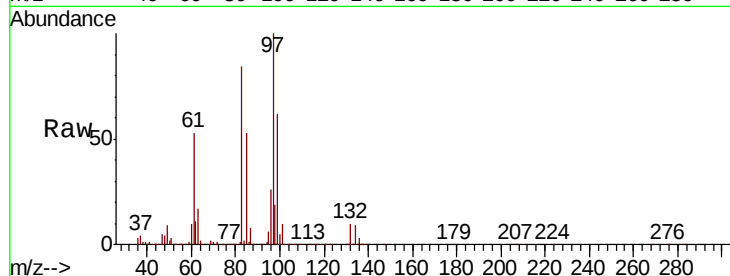
Ion Ratio Lower Upper

97 100

83 83.7 67.1 100.7

85 53.0 43.2 64.8

99 62.3 49.8 74.6

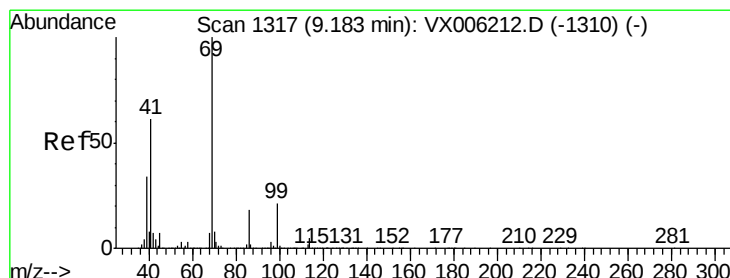
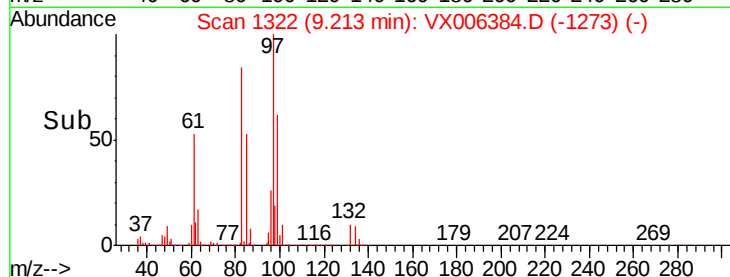
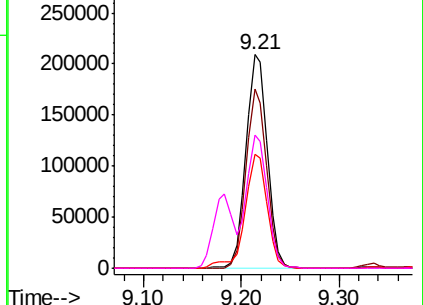


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 49.953 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

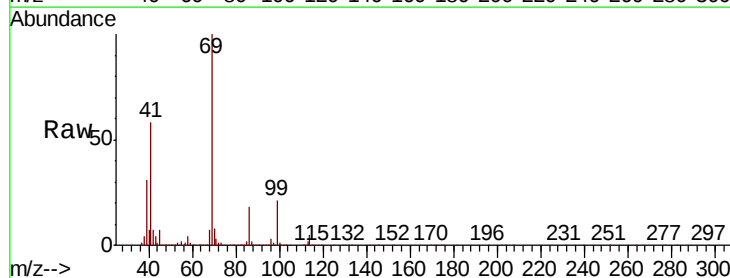
Tgt Ion: 69 Resp: 471833

Ion Ratio Lower Upper

69 100

41 59.9 50.6 76.0

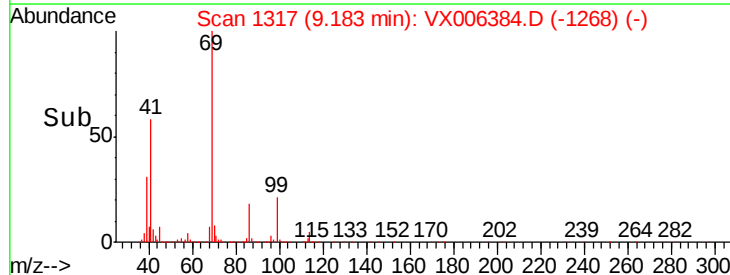
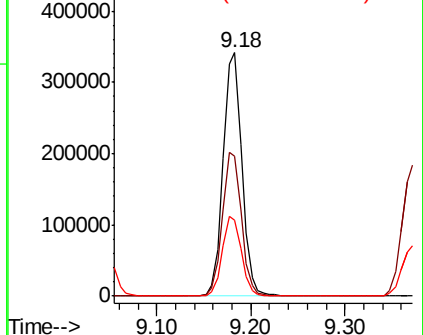
39 33.4 27.6 41.4

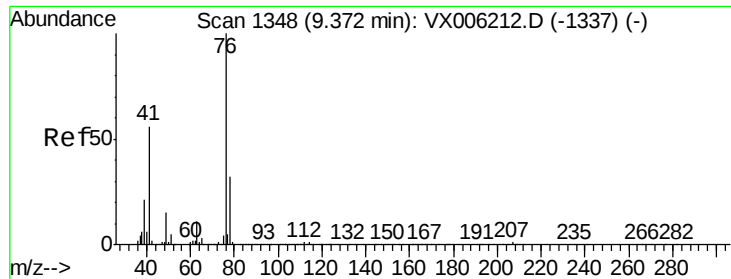


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.154 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

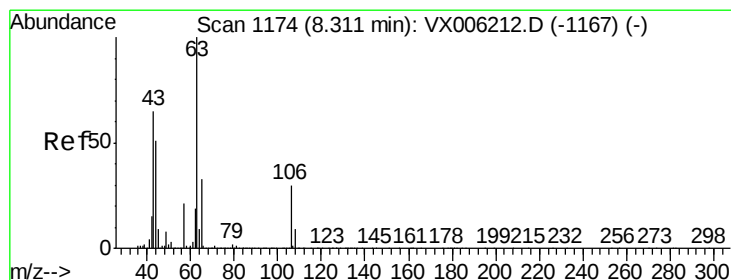
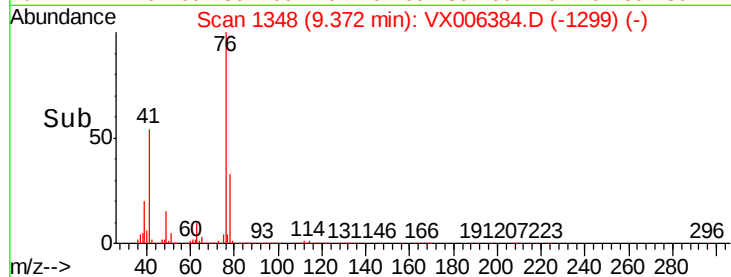
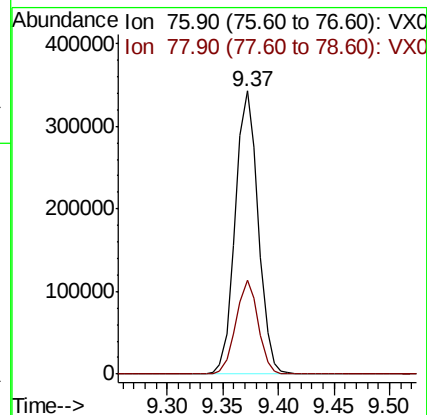
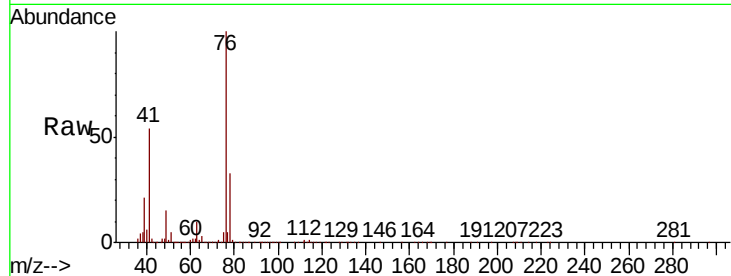
VSTDCCC050EC

Tot Ion: 76 Resp: 488736

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 238.555 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX006384.D

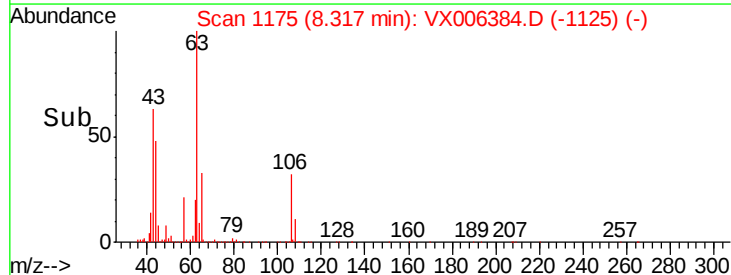
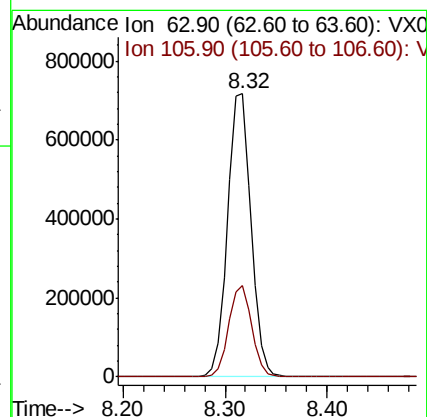
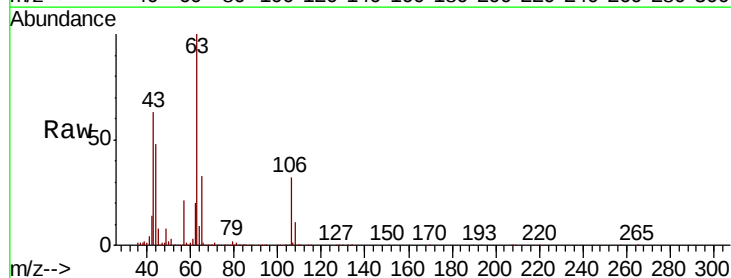
Acq: 10 Dec 2018 21:32

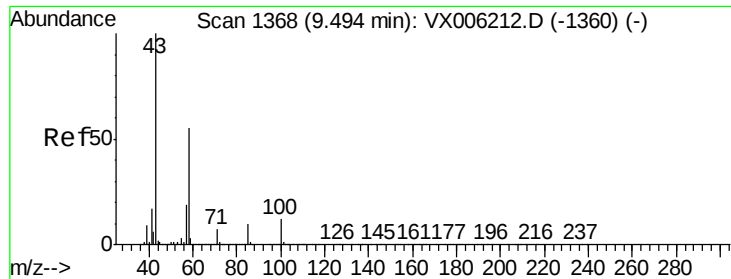
Tgt Ion: 63 Resp: 1143427

Ion Ratio Lower Upper

63 100

106 31.6 24.9 37.3

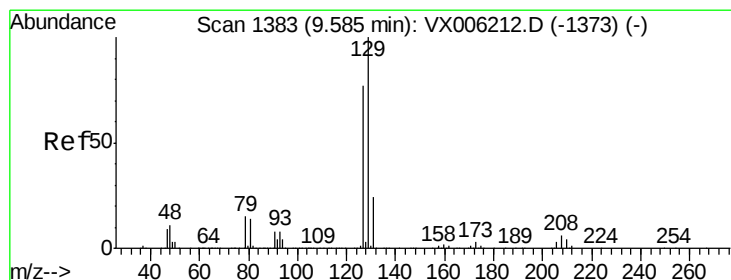
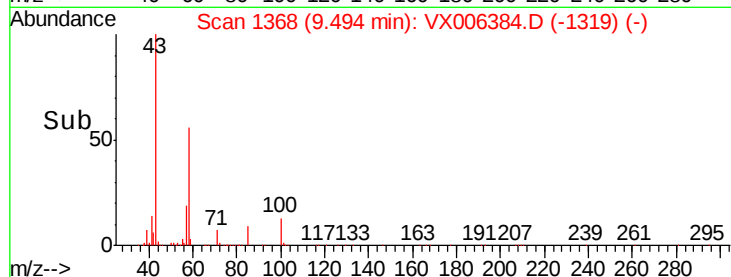
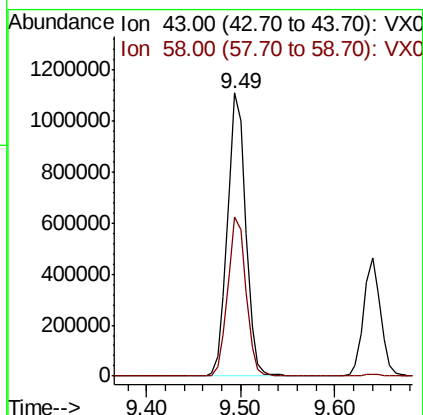
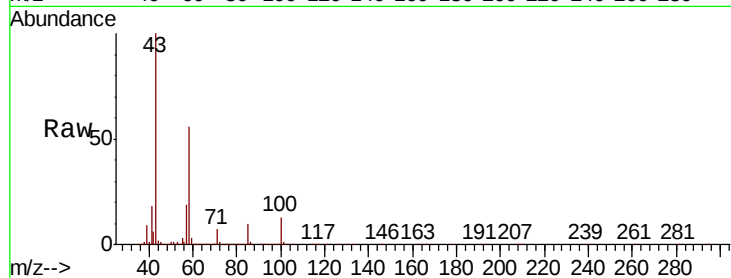




#59
2-Hexanone
Concen: 238.972 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

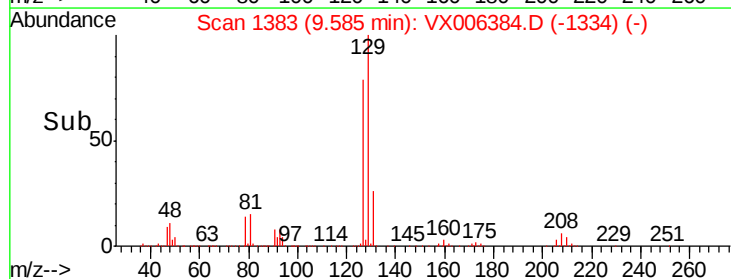
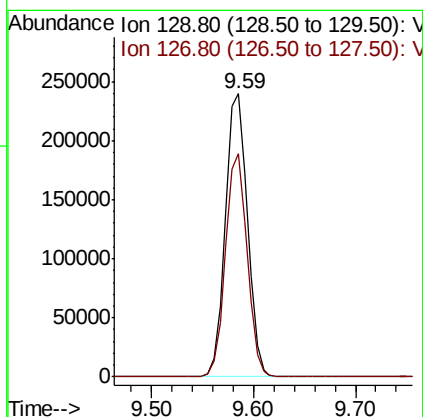
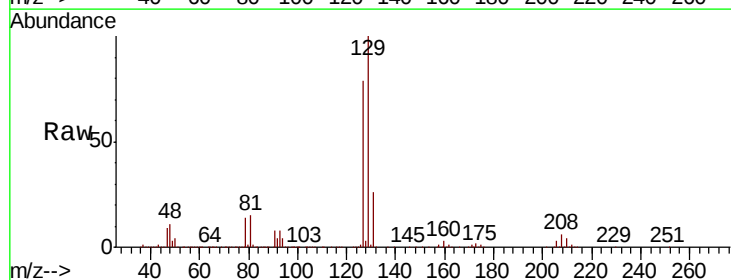
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

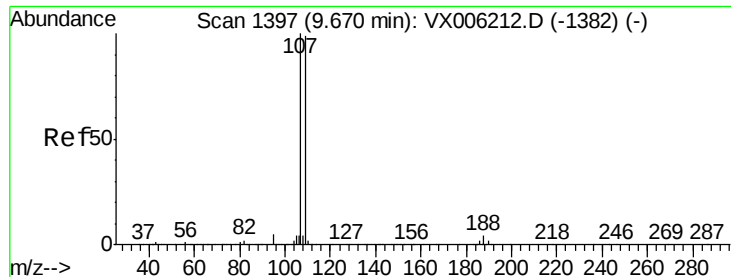
Tot Ion: 43 Resp: 1497823
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1



#60
Dibromochloromethane
Concen: 48.059 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 129 Resp: 358053
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.476 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

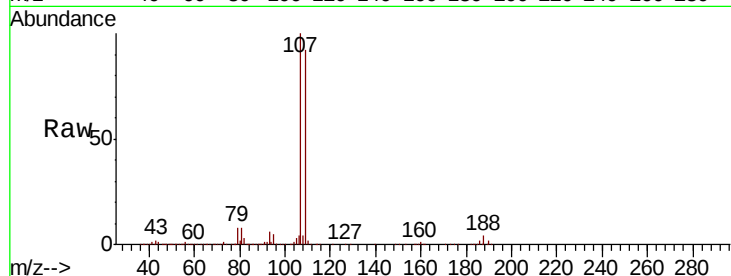
VSTDCCC050EC

Tot Ion:107 Resp: 341007

Ion Ratio Lower Upper

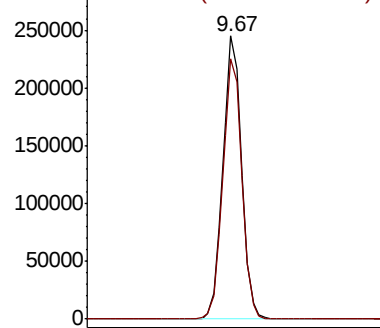
107 100

109 94.1 76.3 114.5

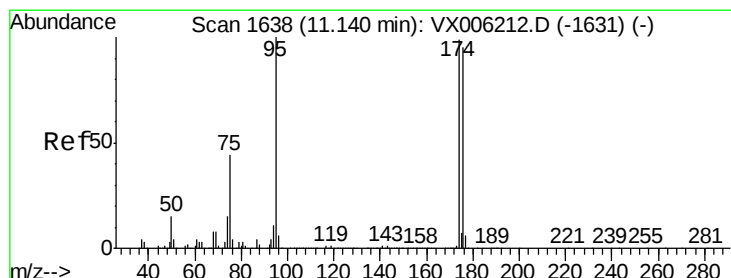
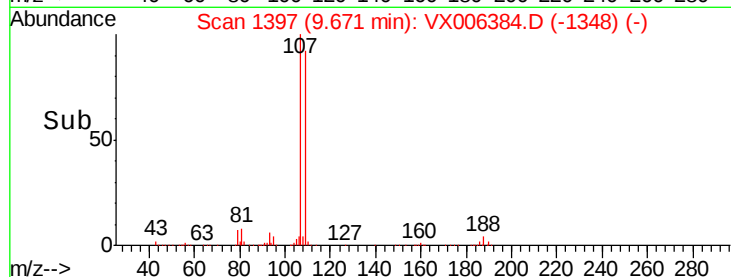


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.585 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

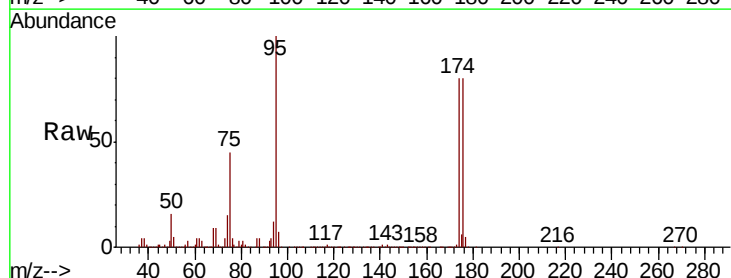
Tgt Ion: 95 Resp: 402361

Ion Ratio Lower Upper

95 100

174 90.6 0.0 187.0

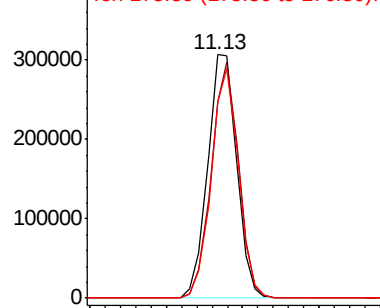
176 88.7 0.0 181.8



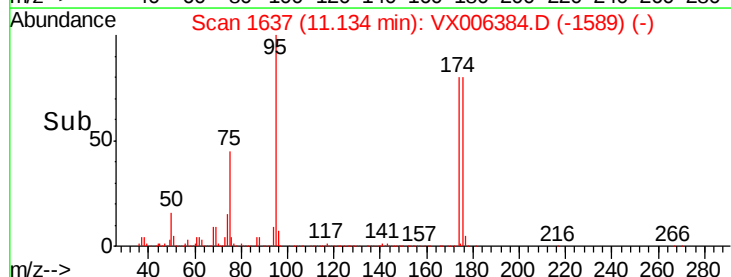
Abundance Ion 94.90 (94.60 to 95.60): VX0

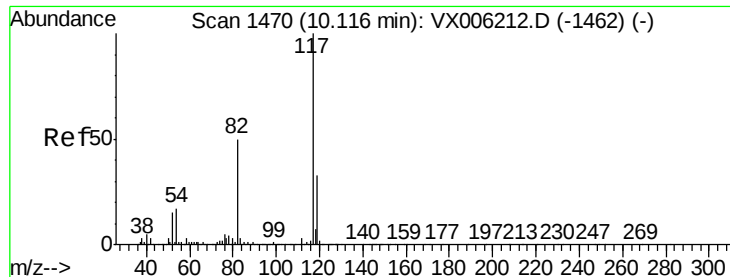
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

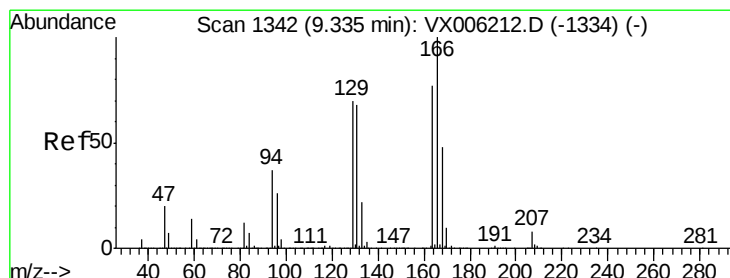
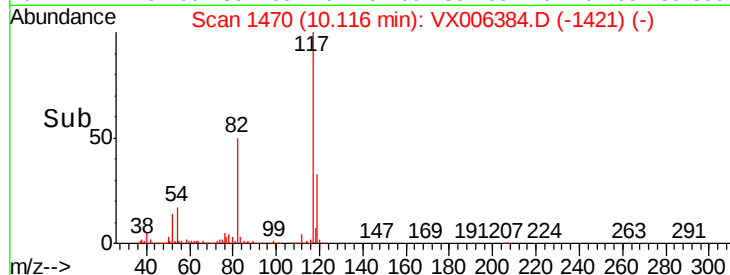
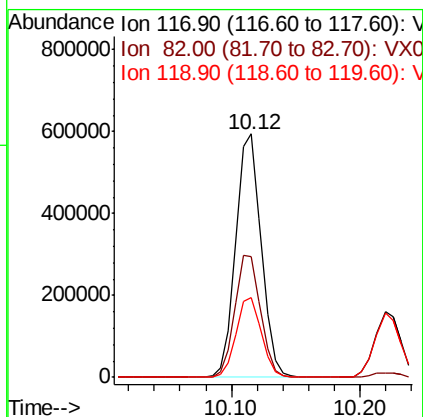
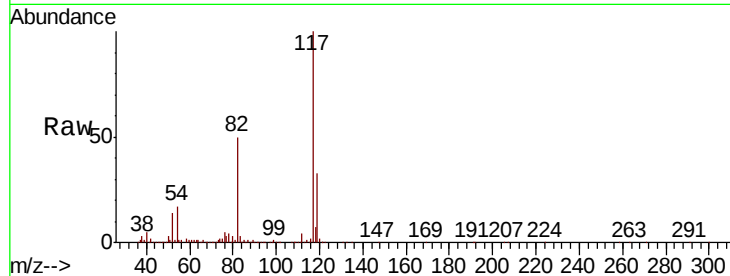




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

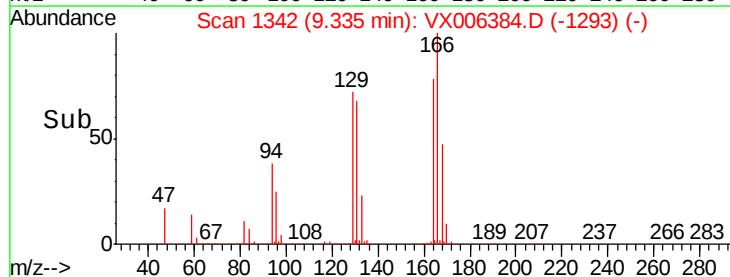
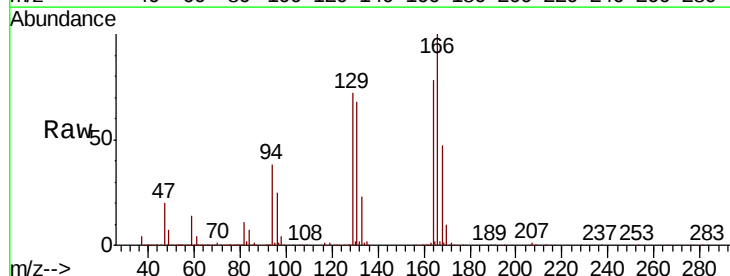
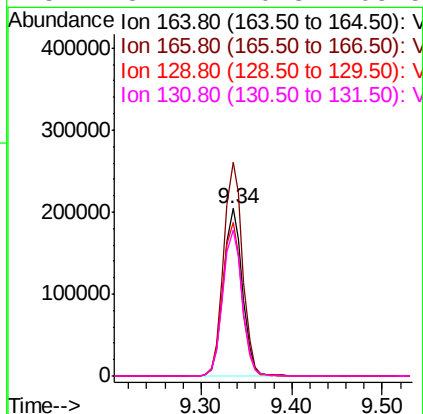
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	39.6	59.4
119	33.0	26.3	39.5



#64
Tetrachloroethene
Concen: 48.259 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.2	156.2
129	91.7	72.6	108.8
131	87.2	70.3	105.5

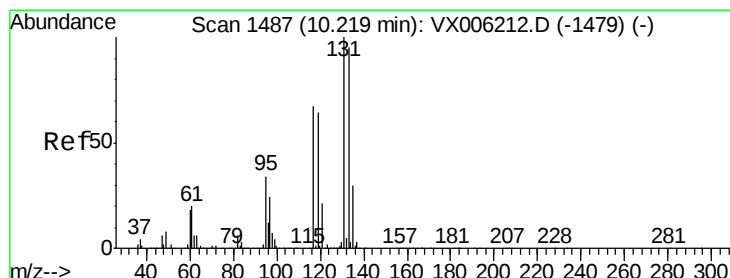
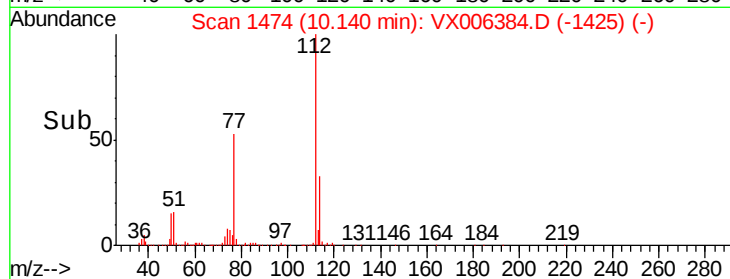
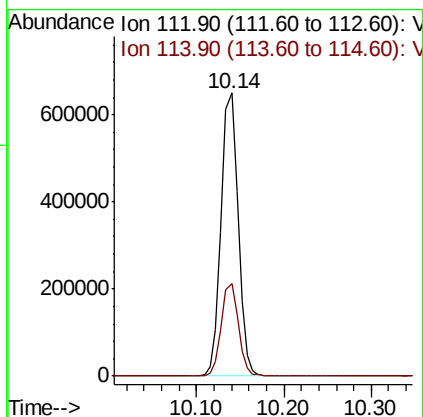
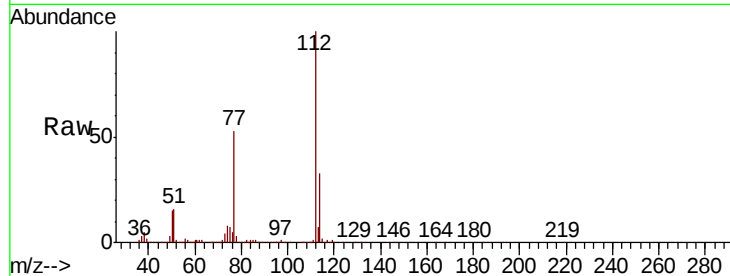




#65
Chlorobenzene
Concen: 50.602 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

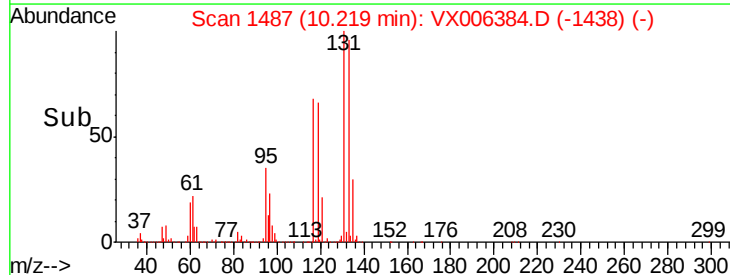
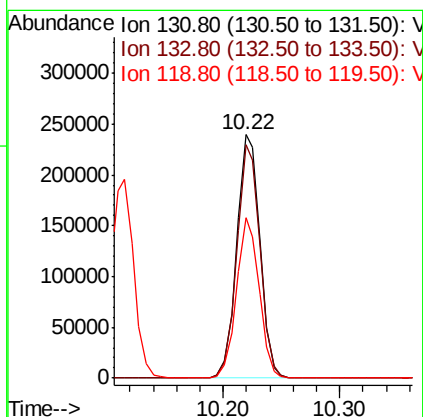
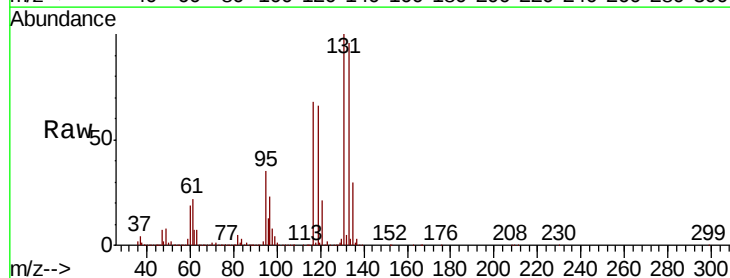
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 880195
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.082 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion:131 Resp: 331709
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 64.8 32.1 96.3

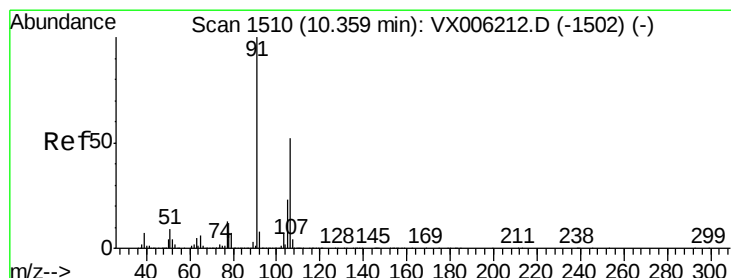
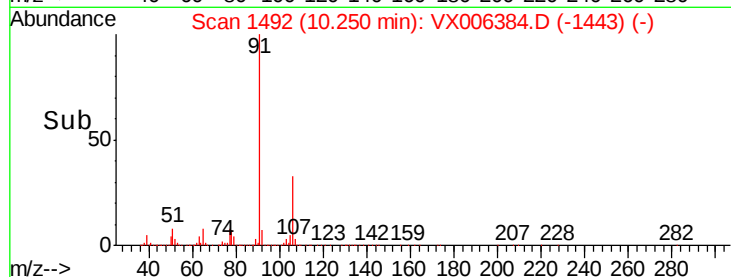
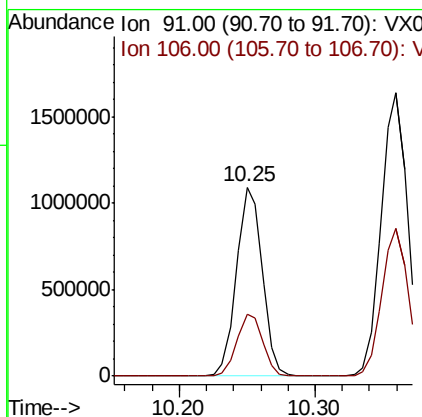
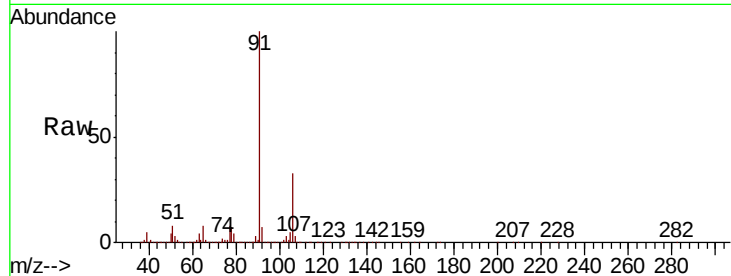




#67
Ethyl Benzene
Concen: 49.668 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

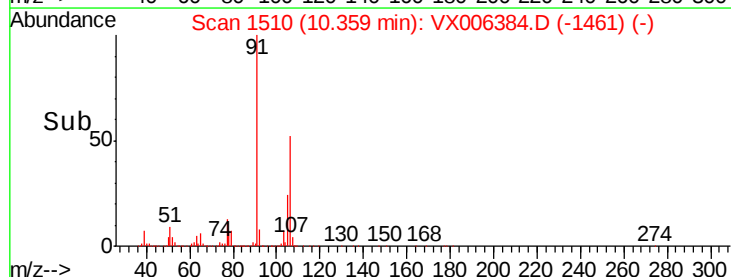
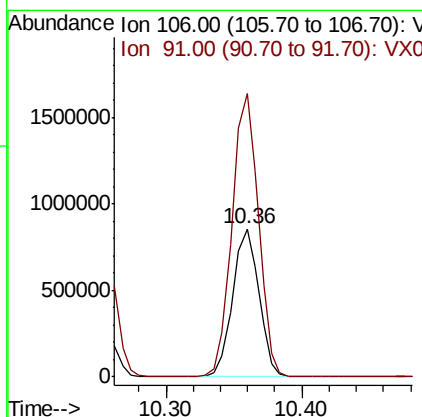
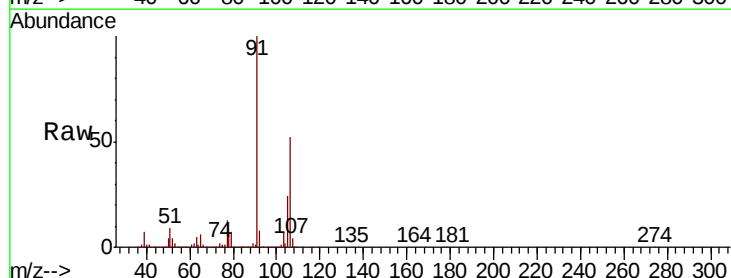
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1436916
Ion Ratio Lower Upper
91 100
106 32.8 26.5 39.7



#68
m/p-Xylenes
Concen: 99.003 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 106 Resp: 1147304
Ion Ratio Lower Upper
106 100
91 192.8 155.2 232.8

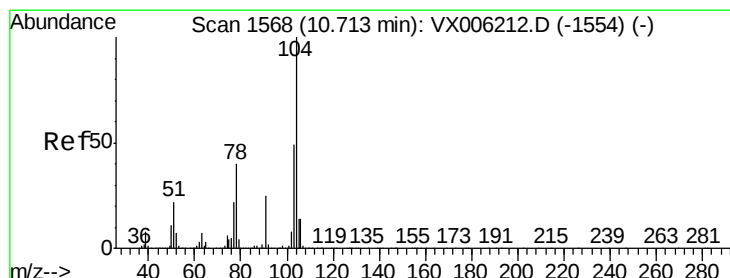
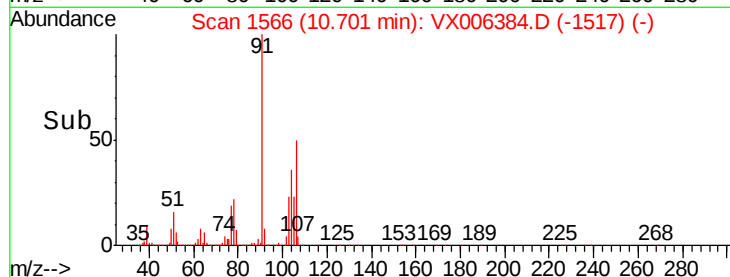
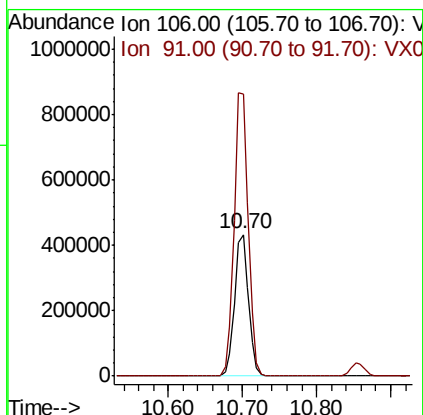
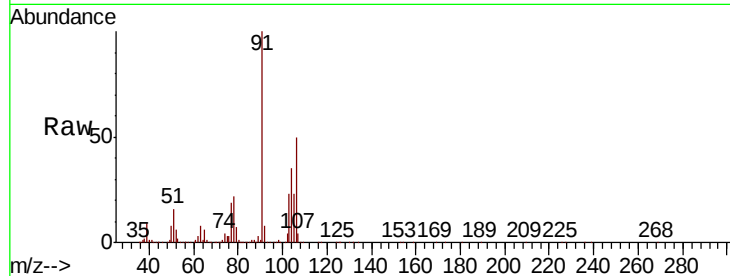




#69
o-Xylene
Concen: 49.830 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

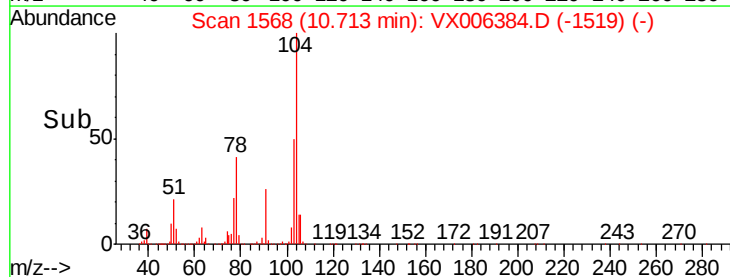
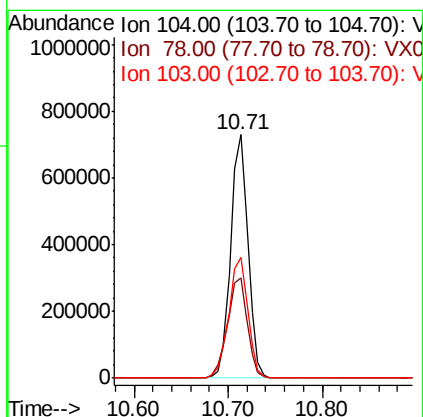
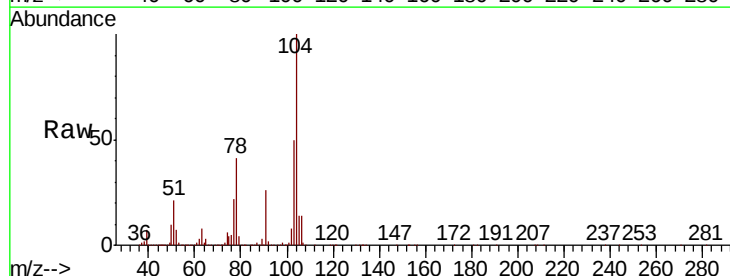
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

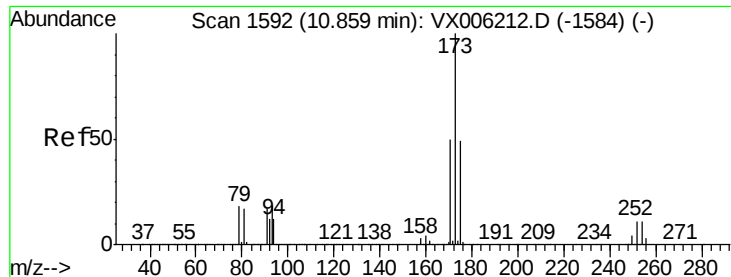
Tot Ion:106 Resp: 570392
Ion Ratio Lower Upper
106 100
91 202.7 101.8 305.6



#70
Styrene
Concen: 50.488 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion:104 Resp: 934723
Ion Ratio Lower Upper
104 100
78 46.9 37.2 55.8
103 55.0 43.5 65.3

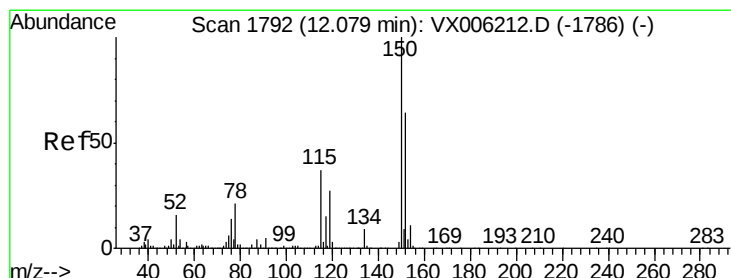
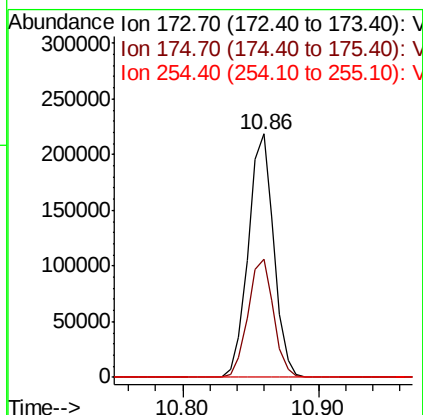
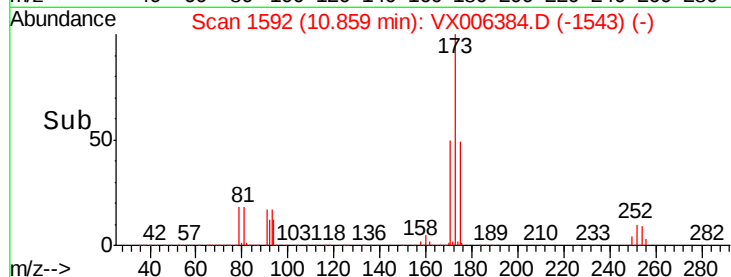
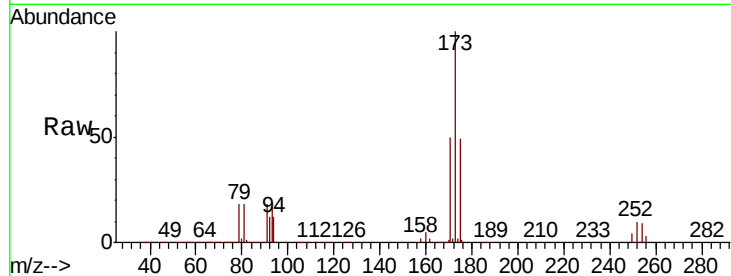




#71
Bromoform
Concen: 44.973 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

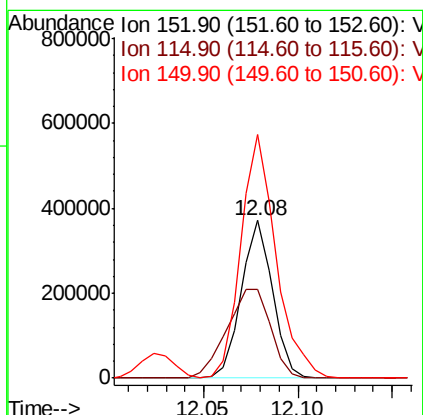
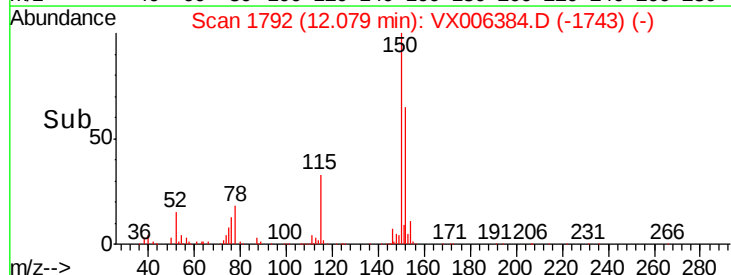
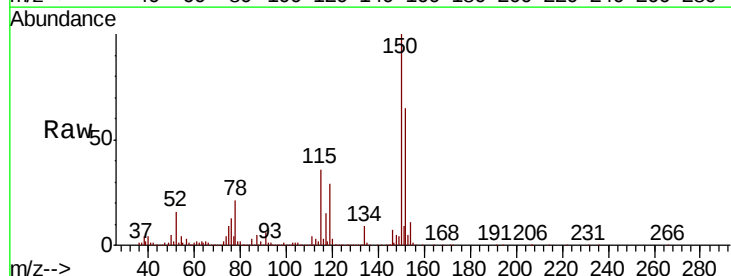
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

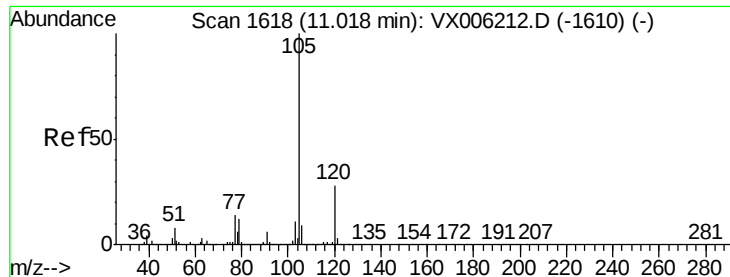
Tot Ion:173 Resp: 286913
Ion Ratio Lower Upper
173 100
175 48.6 24.6 73.8
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion:152 Resp: 425435
Ion Ratio Lower Upper
152 100
115 79.3 39.0 116.9
150 174.3 0.0 345.8





#73

Isopropylbenzene

Concen: 51.120 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

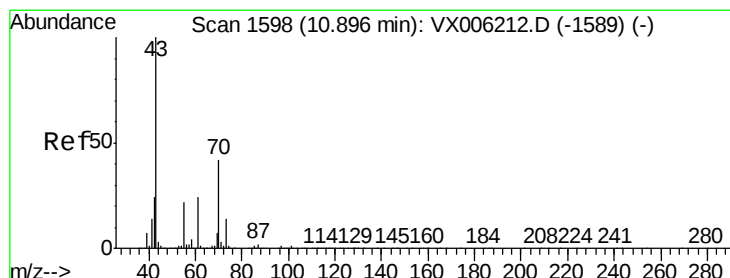
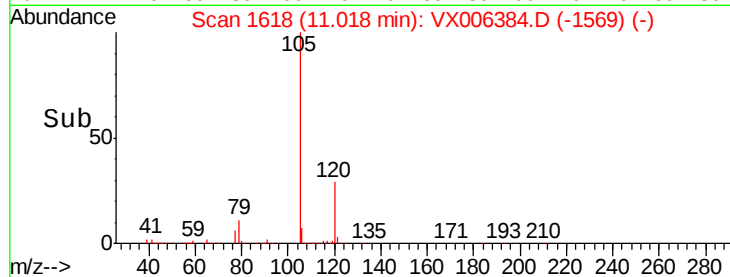
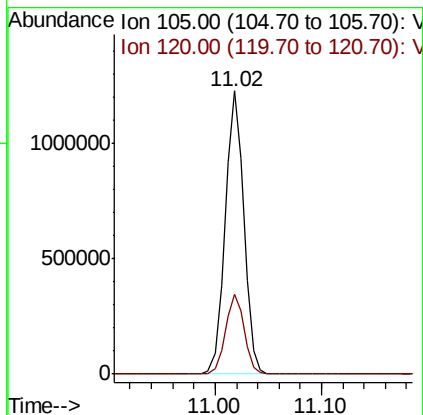
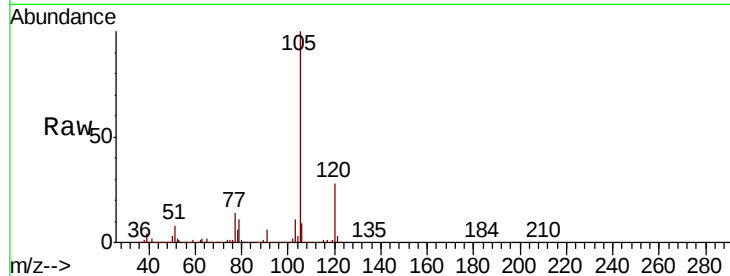
VSTDCCC050EC

Tot Ion:105 Resp: 1501917

Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.3



#74

N-ethyl acetate

Concen: 46.176 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Tgt Ion: 43 Resp: 584205

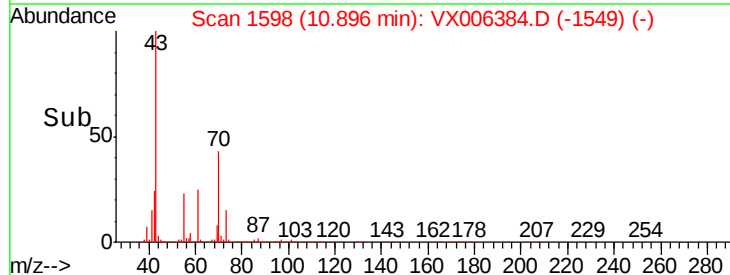
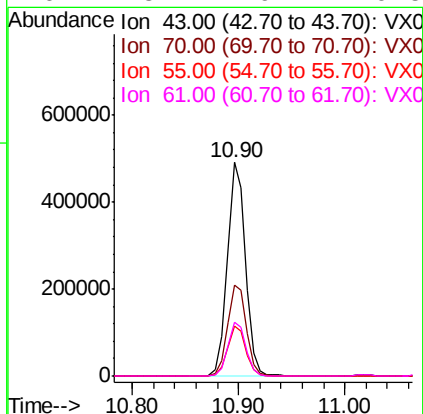
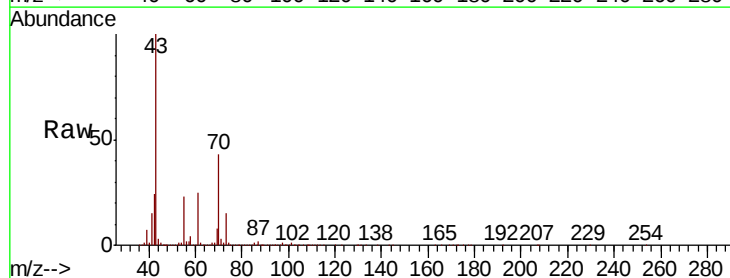
Ion Ratio Lower Upper

43 100

70 44.5 34.1 51.1

55 23.7 17.8 26.8

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.155 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

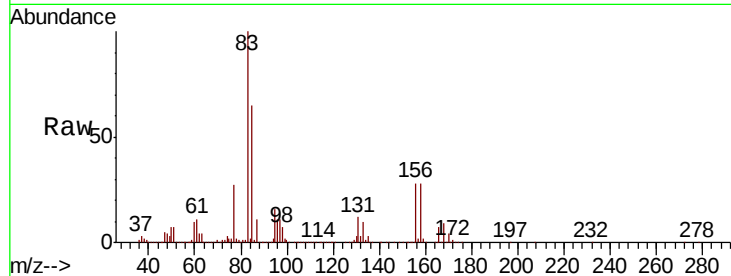
Tot Ion: 83 Resp: 471418

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

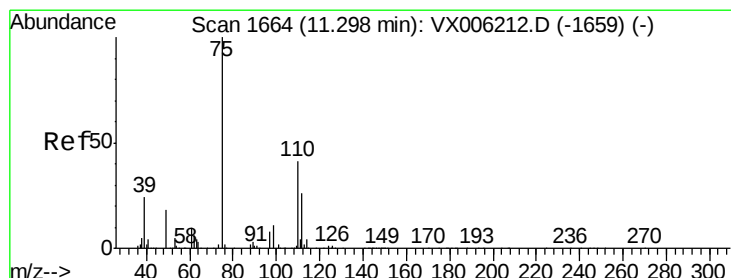
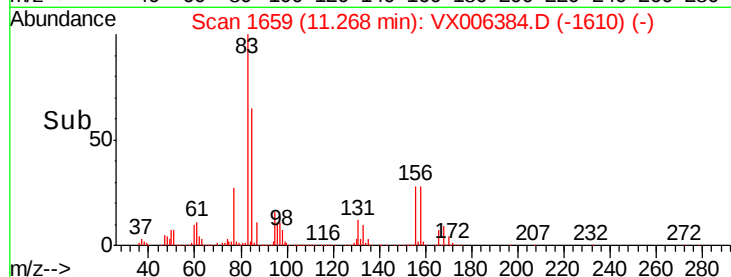
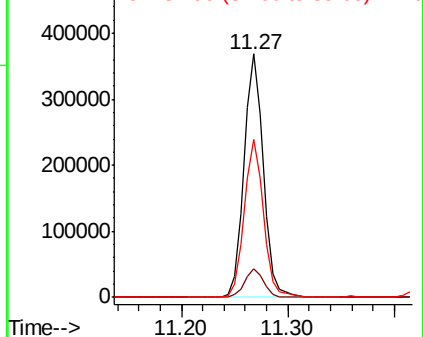
85 64.7 32.1 96.5



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: 67.459 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006384.D

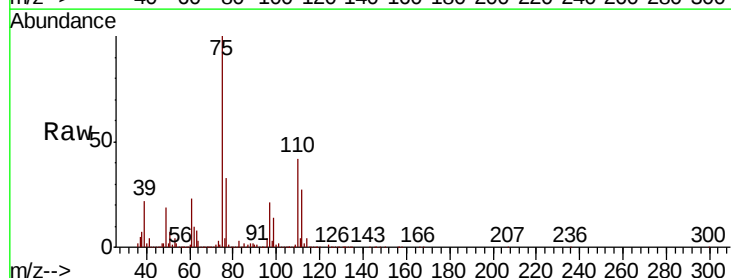
Acq: 10 Dec 2018 21:32

Tgt Ion: 75 Resp: 553948

Ion Ratio Lower Upper

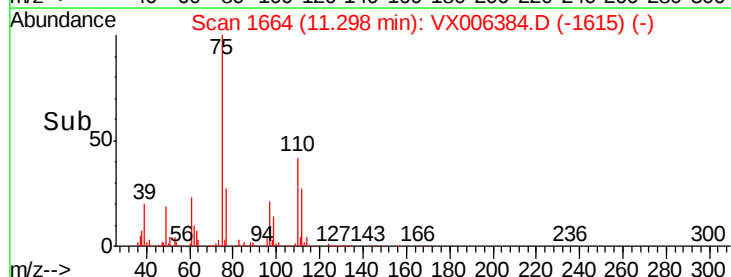
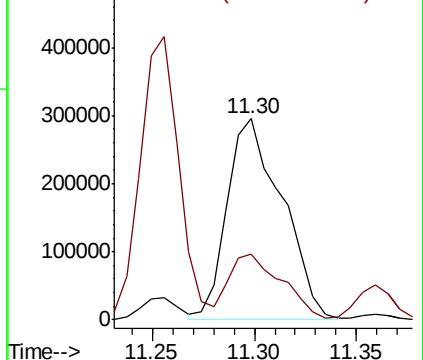
75 100

77 31.3 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.195 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

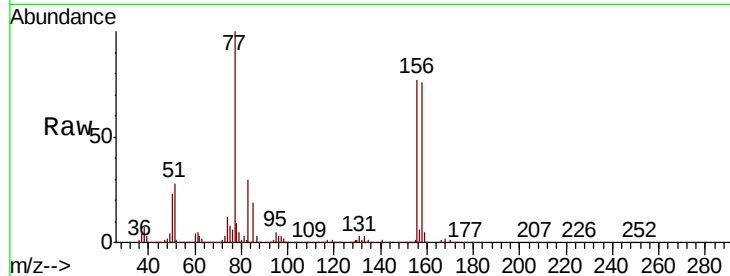
Tot Ion:156 Resp: 409261

Ion Ratio Lower Upper

156 100

77 133.6 66.2 198.6

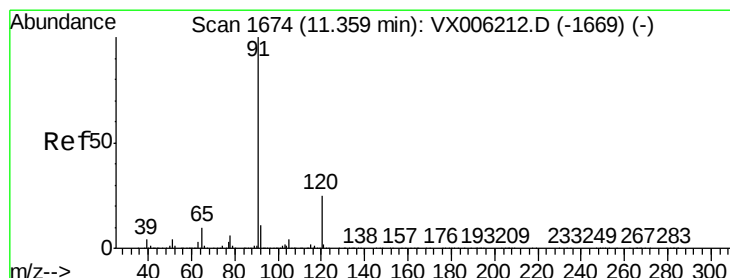
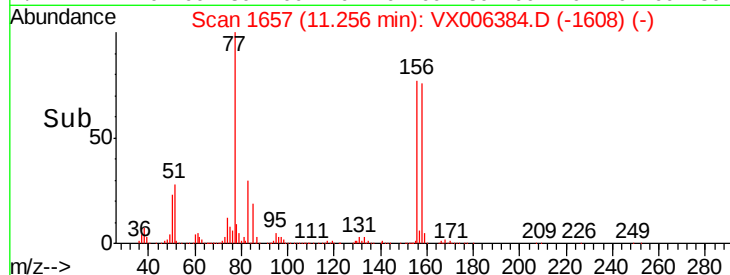
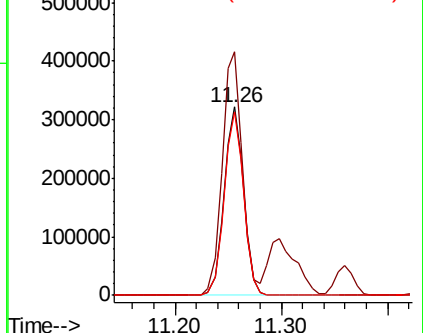
158 97.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.792 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006384.D

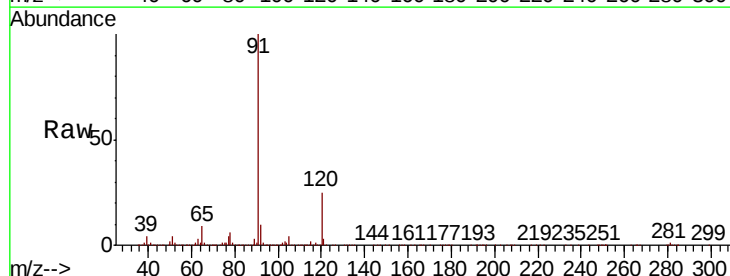
Acq: 10 Dec 2018 21:32

Tgt Ion: 91 Resp: 1658812

Ion Ratio Lower Upper

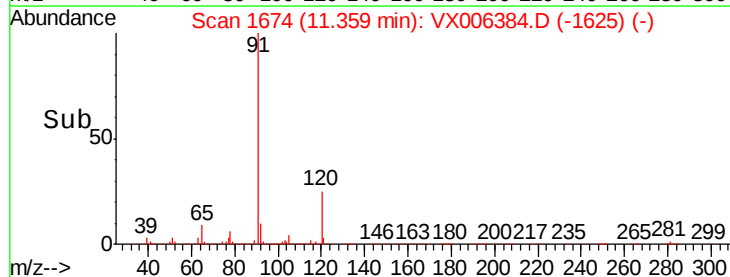
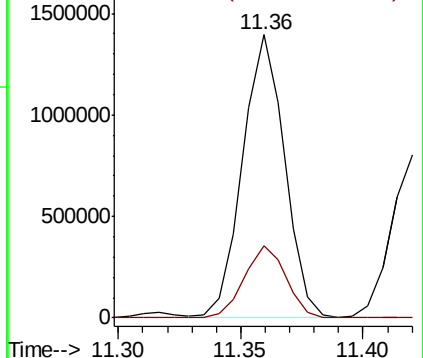
91 100

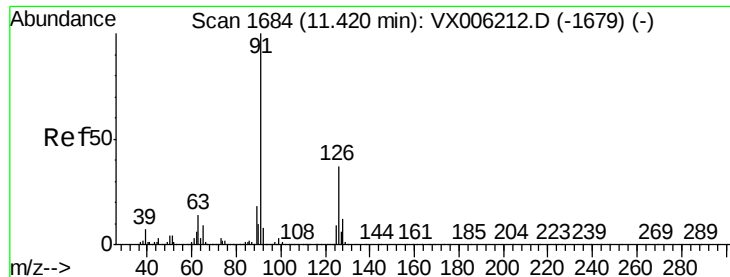
120 25.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.088 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

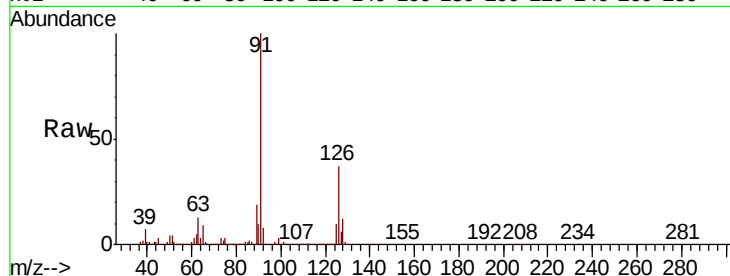
VSTDCCC050EC

Tot Ion: 91 Resp: 991670

Ion Ratio Lower Upper

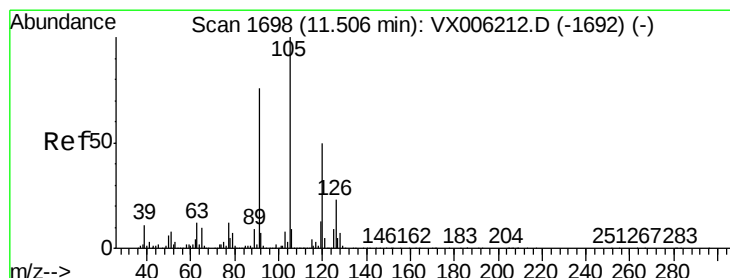
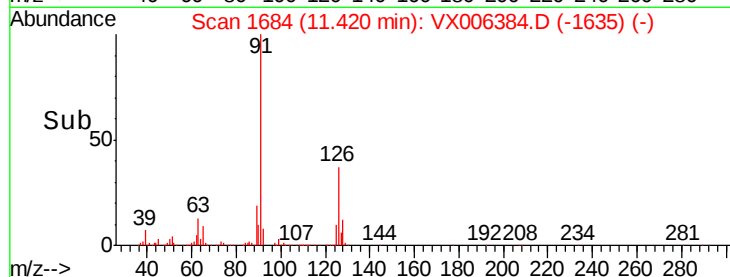
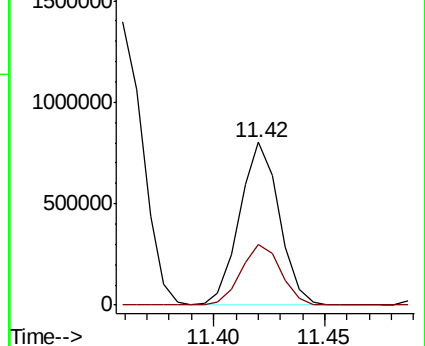
91 100

126 37.7 18.6 56.0



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: 50.605 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006384.D

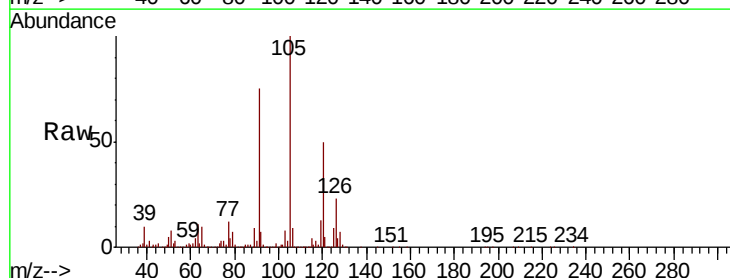
Acq: 10 Dec 2018 21:32

Tgt Ion:105 Resp: 1237047

Ion Ratio Lower Upper

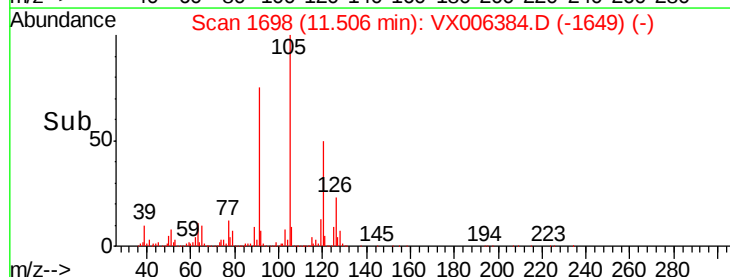
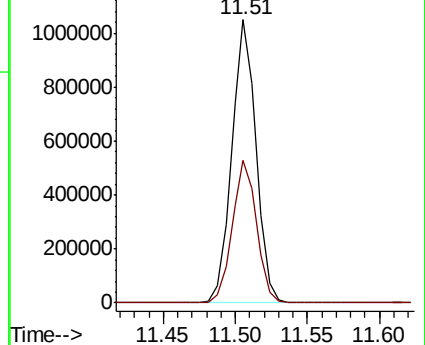
105 100

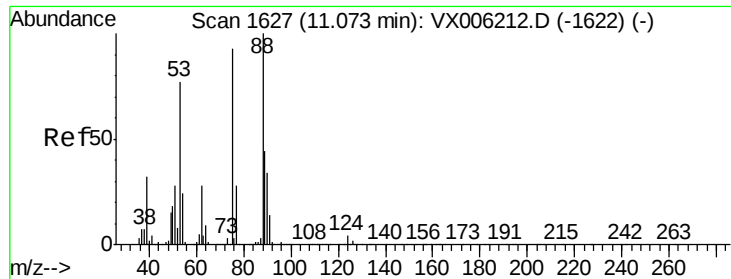
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

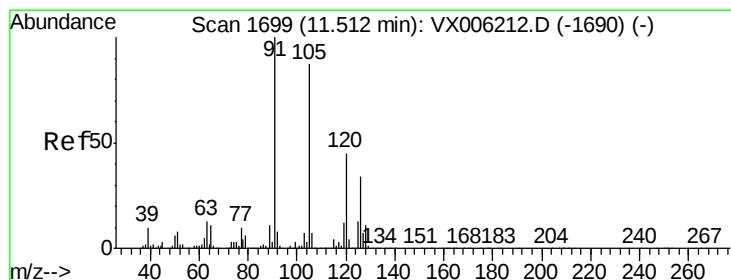
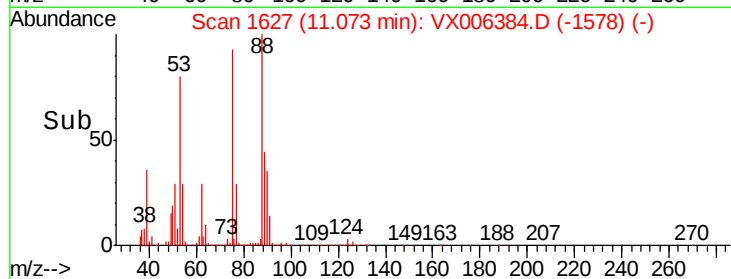
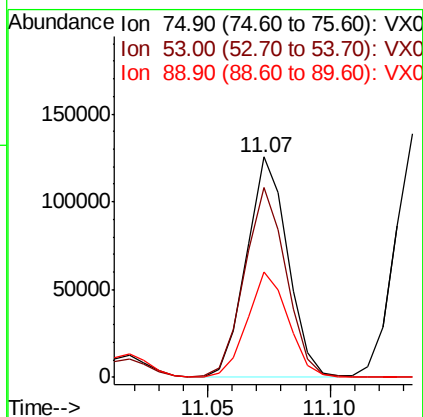
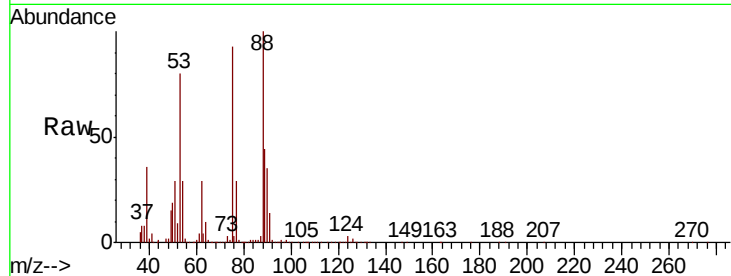




#81
trans-1,4-Dichloro-2-butene
Concen: 42.144 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

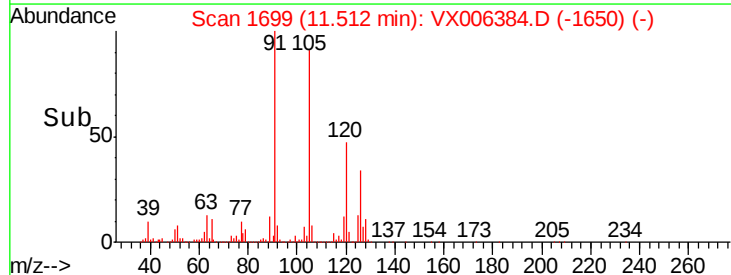
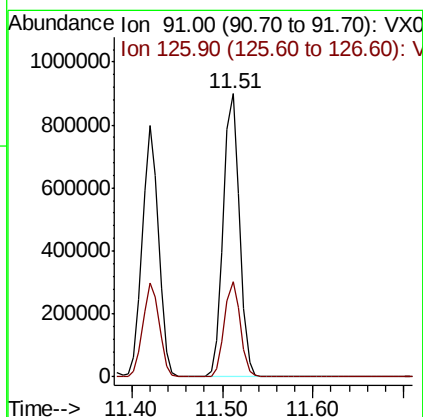
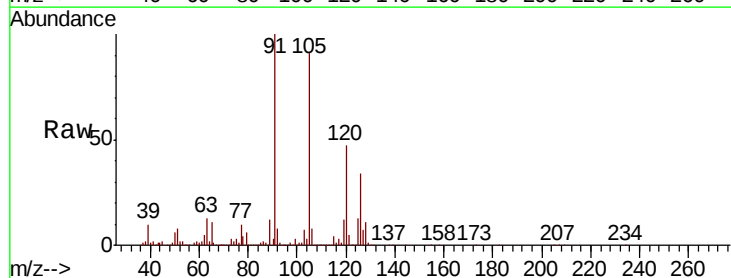
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

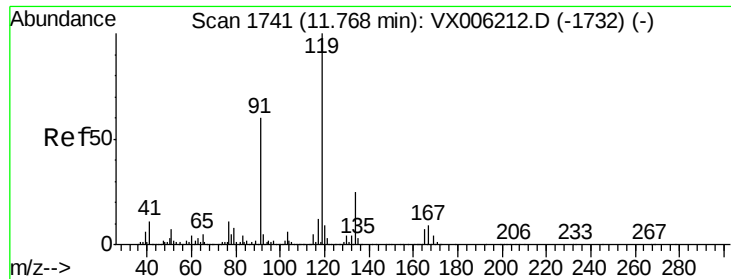
Tot Ion: 75 Resp: 147468
Ion Ratio Lower Upper
75 100
53 86.6 64.4 96.6
89 47.8 44.2 66.4



#82
4-Chlorotoluene
Concen: 49.955 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 91 Resp: 1127415
Ion Ratio Lower Upper
91 100
126 33.0 16.4 49.4





#83

tert-Butylbenzene

Concen: 50.517 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

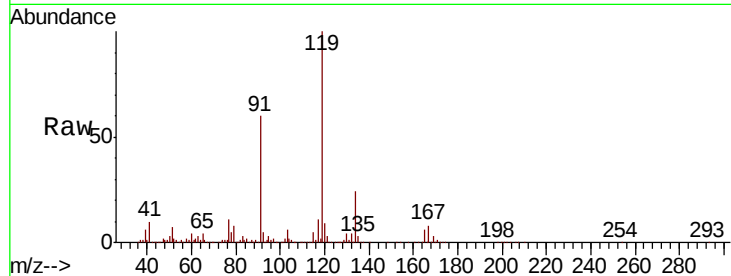
Tot Ion:119 Resp: 1317589

Ion Ratio Lower Upper

119 100

91 53.6 26.4 79.2

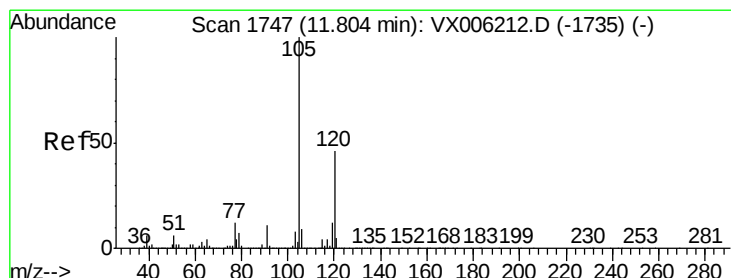
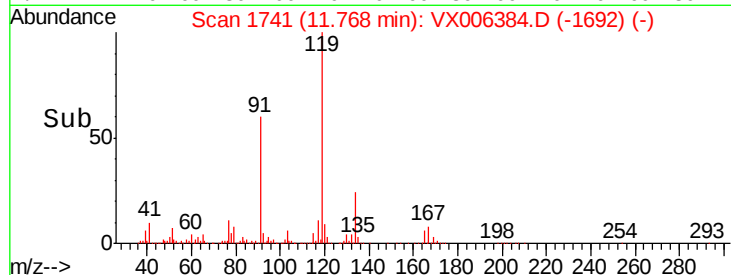
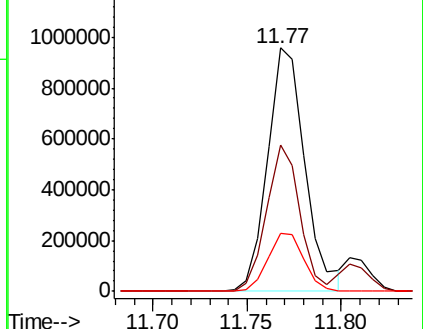
134 23.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.639 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006384.D

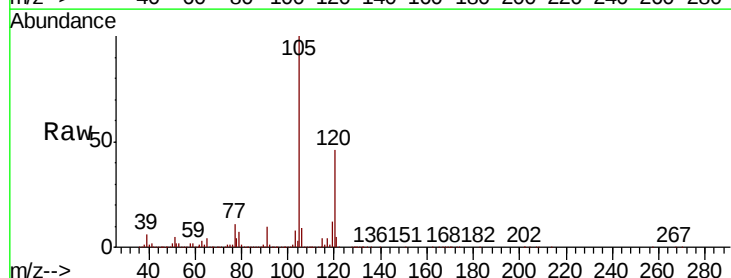
Acq: 10 Dec 2018 21:32

Tgt Ion:105 Resp: 1278207

Ion Ratio Lower Upper

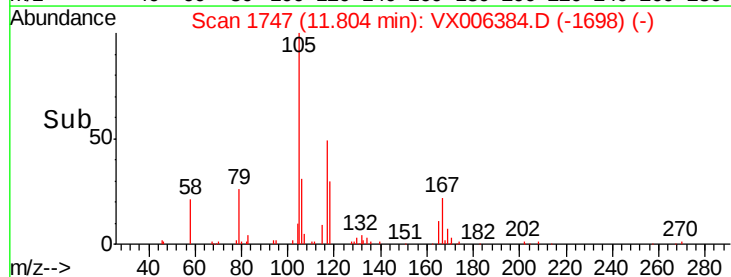
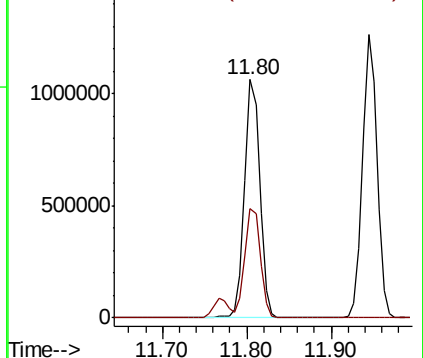
105 100

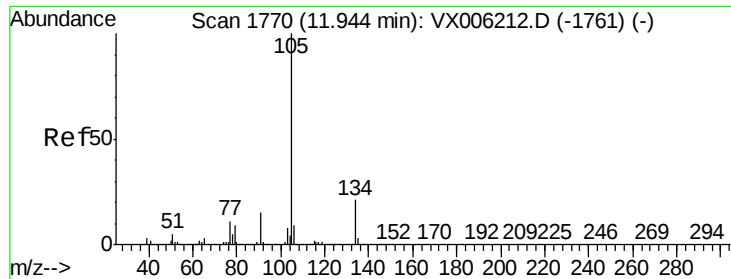
120 46.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.412 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

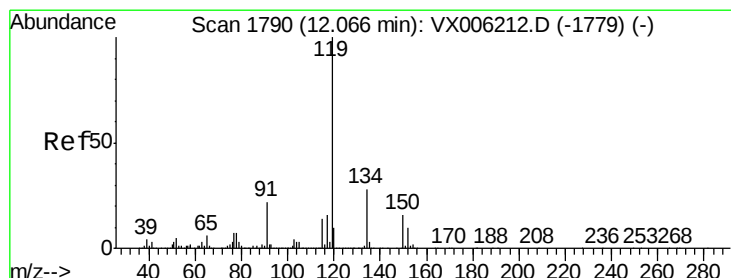
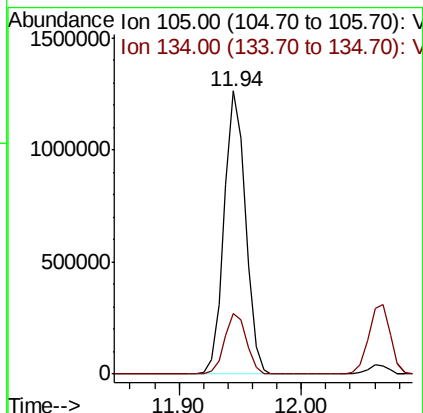
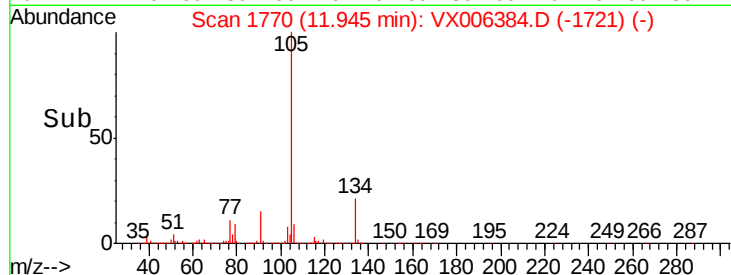
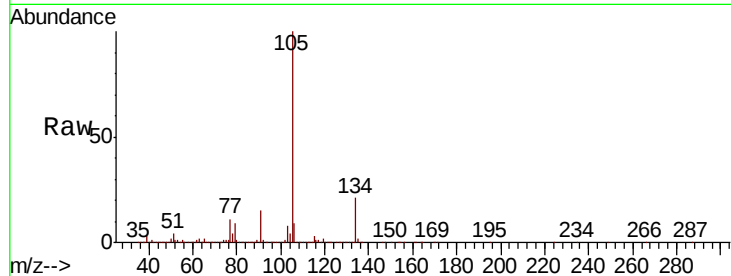
VSTDCCC050EC

Tot Ion:105 Resp: 1525478

Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.4



#86

p-Isopropyltoluene

Concen: 51.196 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

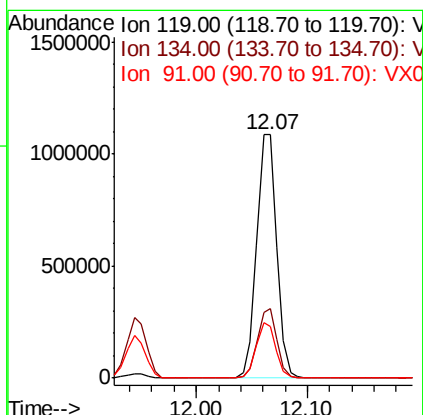
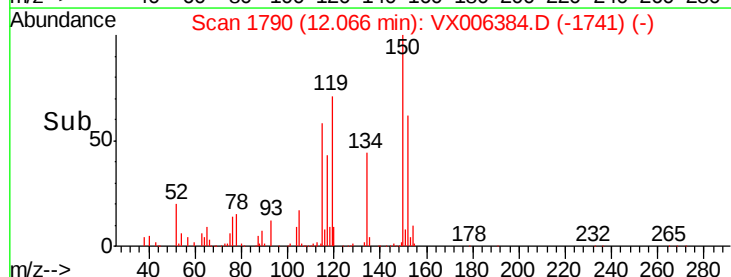
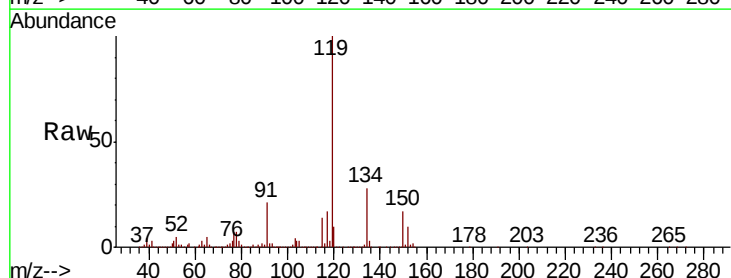
Tgt Ion:119 Resp: 1367883

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.6

91 22.1 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 50.440 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

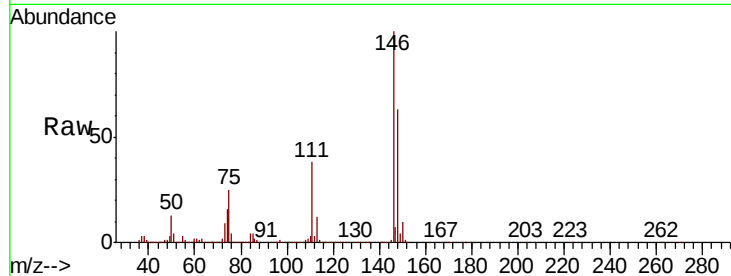
Tot Ion:146 Resp: 731788

Ion Ratio Lower Upper

146 100

111 37.8 18.4 55.2

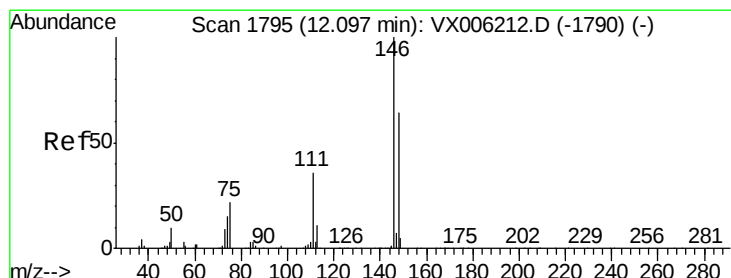
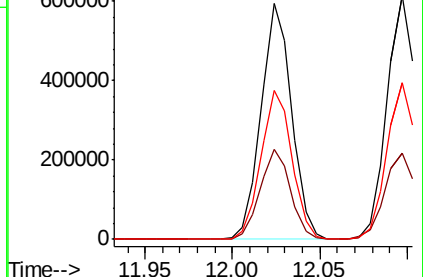
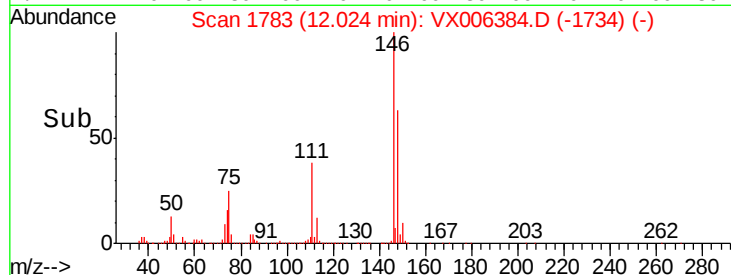
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.355 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

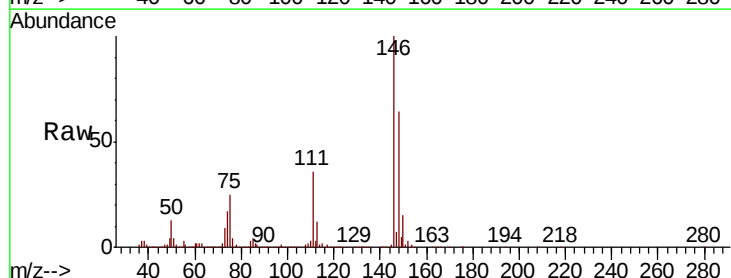
Tgt Ion:146 Resp: 726762

Ion Ratio Lower Upper

146 100

111 36.9 18.3 54.8

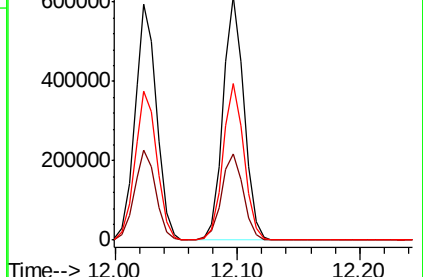
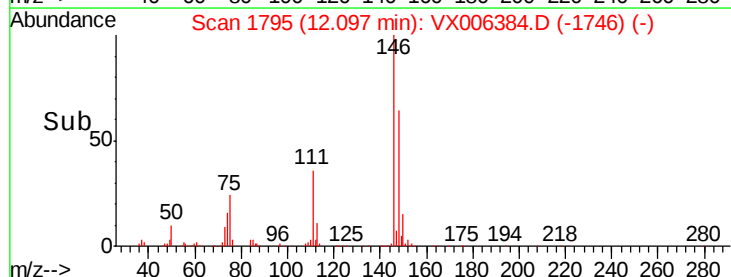
148 64.3 31.9 95.9

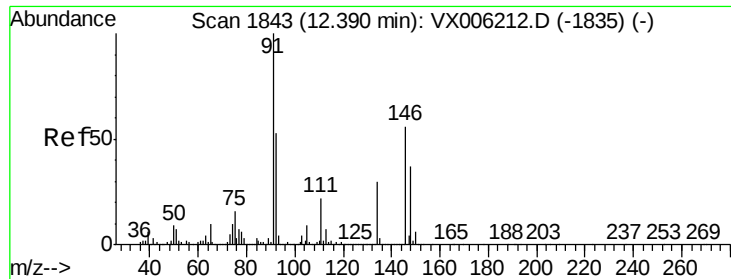


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

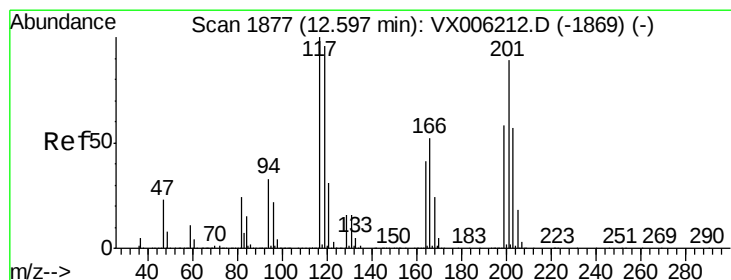
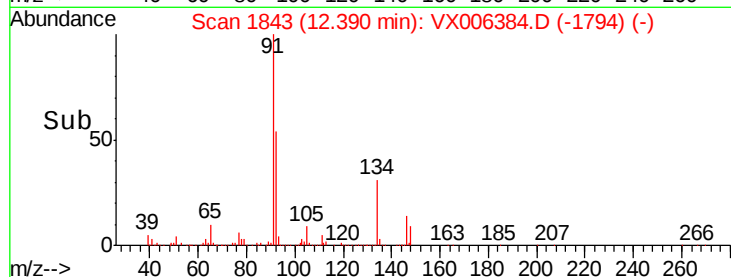
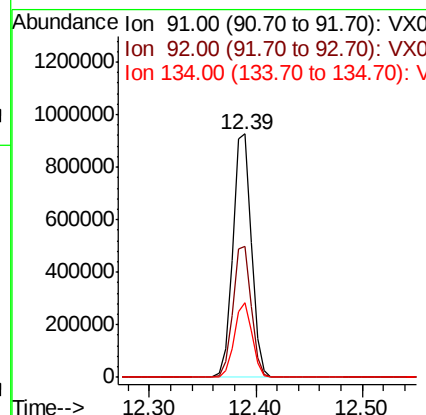
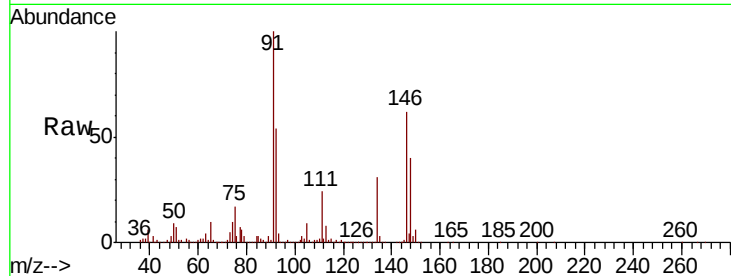




#89
n-Butylbenzene
Concen: 49.779 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

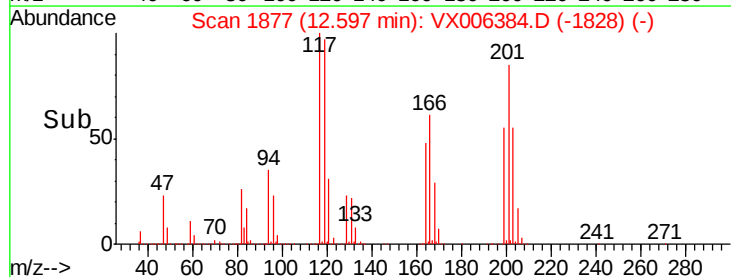
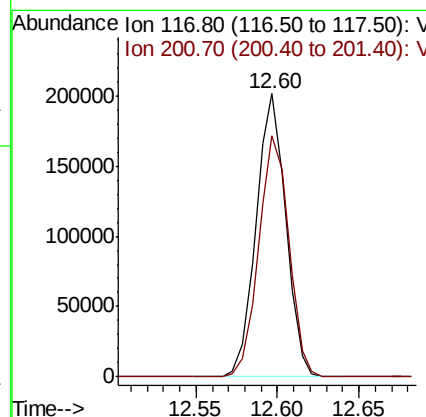
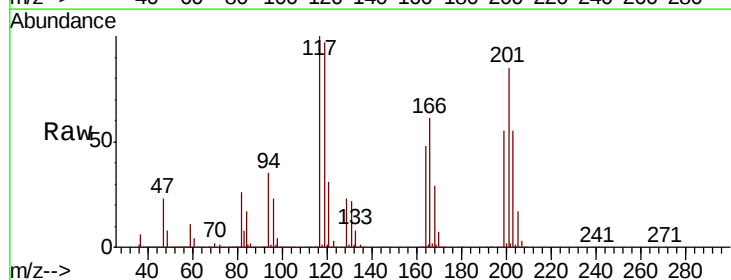
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

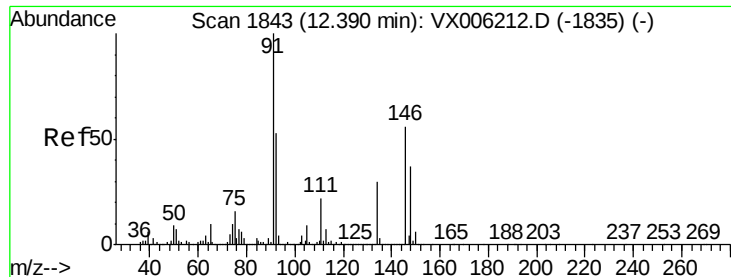
Tot Ion: 91 Resp: 1134827
Ion Ratio Lower Upper
91 100
92 53.4 26.6 79.8
134 29.7 14.8 44.3



#90
Hexachloroethane
Concen: 47.154 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion: 117 Resp: 256777
Ion Ratio Lower Upper
117 100
201 86.0 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 50.165 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

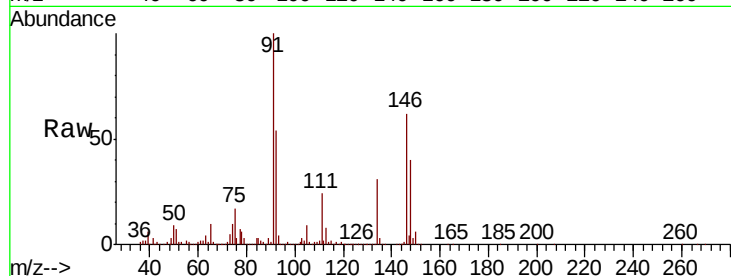
Tot Ion:146 Resp: 722314

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.3

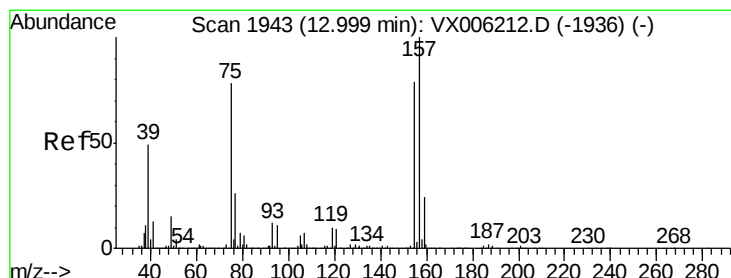
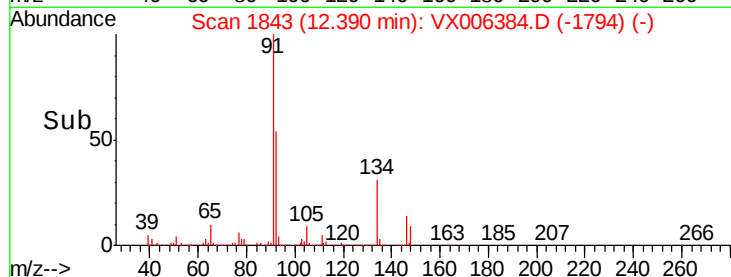
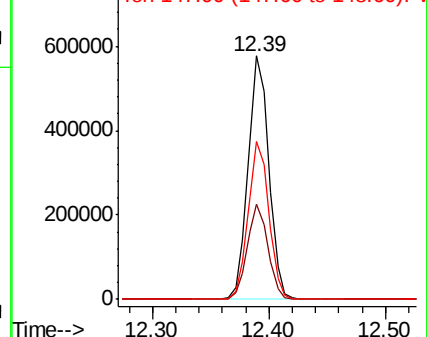
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.978 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006384.D

Acq: 10 Dec 2018 21:32

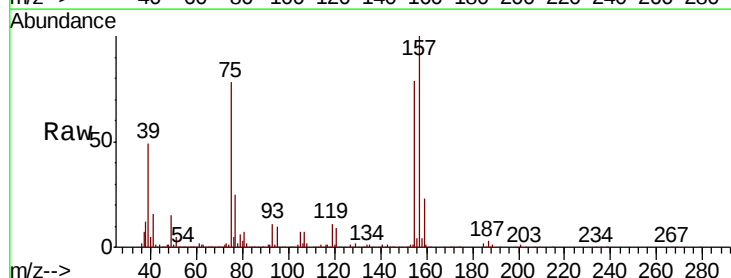
Tgt Ion: 75 Resp: 108372

Ion Ratio Lower Upper

75 100

155 105.6 53.4 160.3

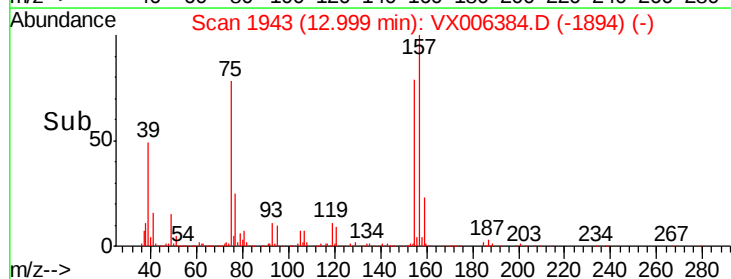
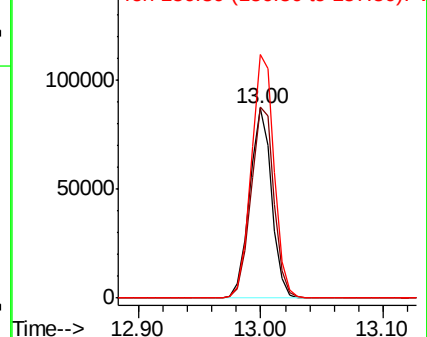
157 133.5 68.0 203.8

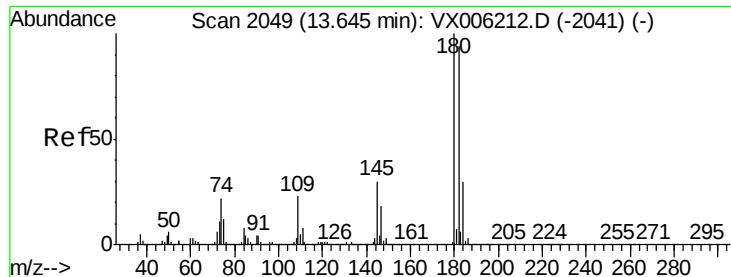


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

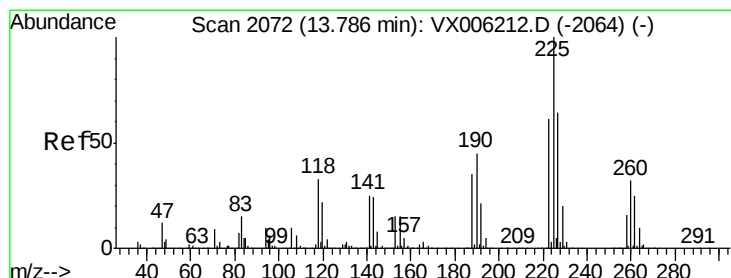
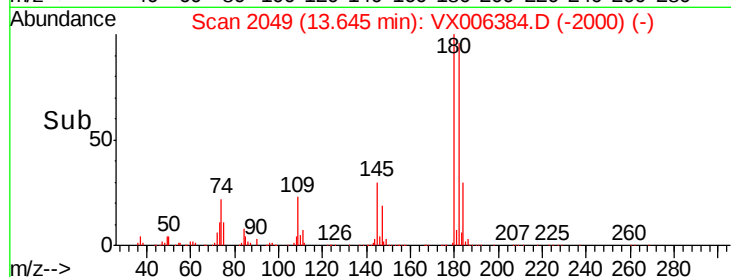
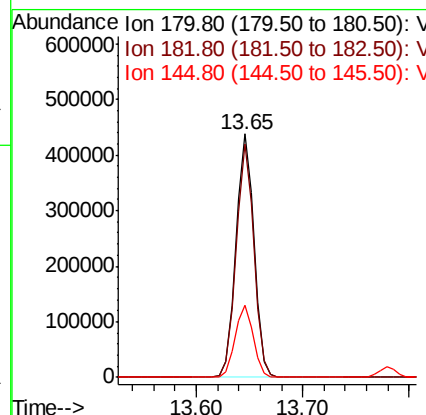
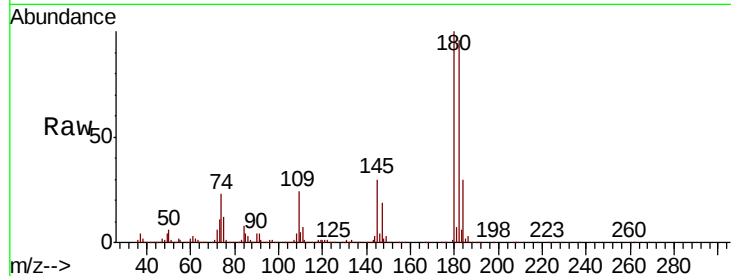




#93
 1,2,4-Trichlorobenzene
 Concen: 49.692 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

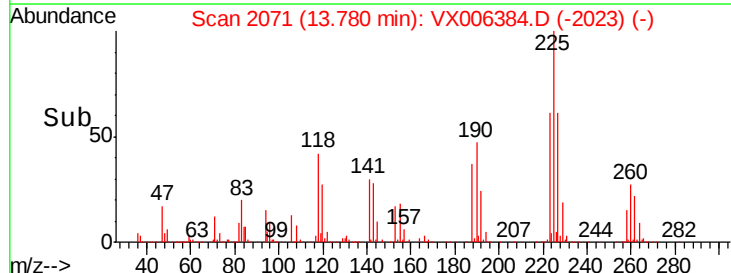
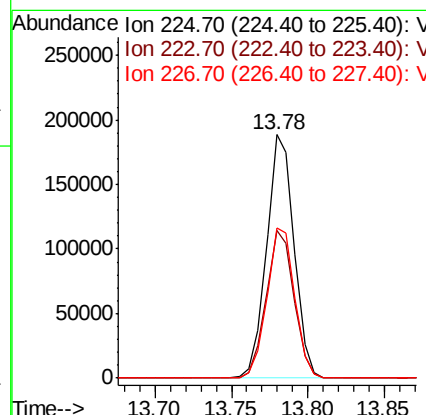
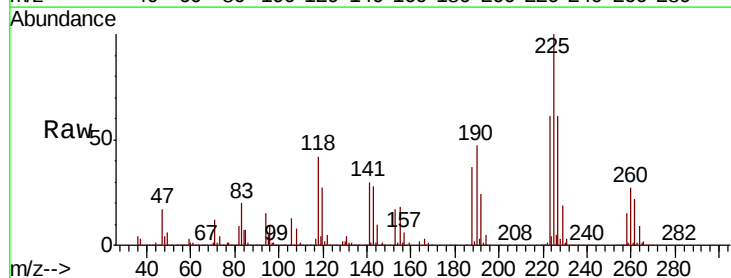
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	29.9	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 50.939 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006384.D
 Acq: 10 Dec 2018 21:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.2	93.6
227	62.4	31.9	95.5

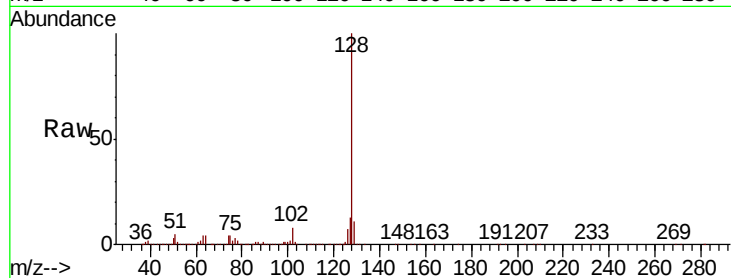




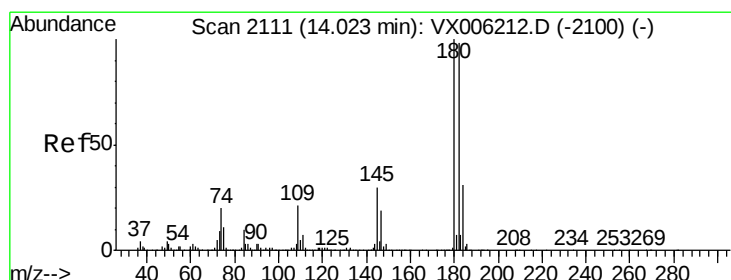
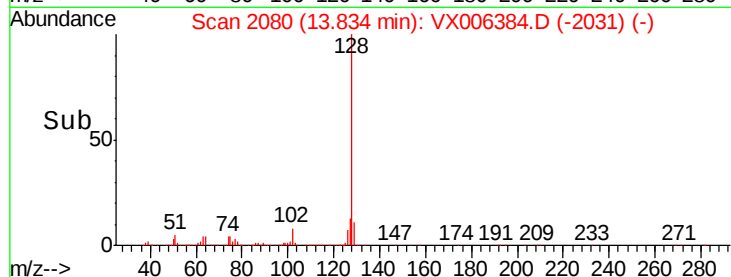
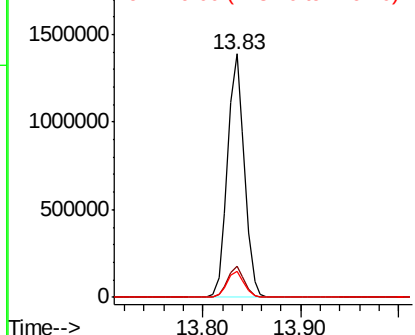
#95
Naphthalene
Concen: 50.883 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1662666
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.9 13.3

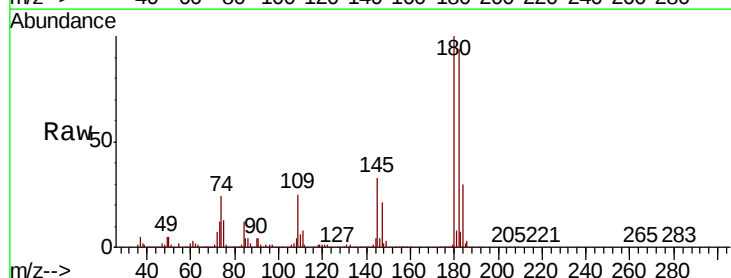


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.830 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006384.D
Acq: 10 Dec 2018 21:32

Tgt Ion:180 Resp: 518464
Ion Ratio Lower Upper
180 100
182 95.7 48.4 145.2
145 31.7 15.6 46.8



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

