

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007412.D
 Acq On : 06 Feb 2019 20:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 07 00:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	505949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	756723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	680488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	260081	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.50	113	235058	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	8.71	98	874340	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.13	95	313596	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	291304	46.865	ug/l	98
3) Chloromethane	1.33	50	262583	46.077	ug/l	97
4) Vinyl Chloride	1.41	62	282073	50.454	ug/l	99
5) Bromomethane	1.64	94	226150	40.820	ug/l	97
6) Chloroethane	1.72	64	179222	49.556	ug/l	98
7) Trichlorofluoromethane	1.93	101	428440	48.988	ug/l	99
8) Diethyl Ether	2.19	74	160648	48.803	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	234120	45.004	ug/l	98
10) Methyl Iodide	2.51	142	309622	40.459	ug/l	99
11) Tert butyl alcohol	3.07	59	303654	273.224	ug/l	99
12) 1,1-Dichloroethene	2.37	96	231167	47.853	ug/l	99
13) Acrolein	2.30	56	144879	277.997	ug/l	99
14) Allyl chloride	2.73	41	399495	50.754	ug/l	98
15) Acrylonitrile	3.15	53	704079	256.093	ug/l	99
16) Acetone	2.45	43	621877	252.799	ug/l	100
17) Carbon Disulfide	2.57	76	572039	45.484	ug/l	99
18) Methyl Acetate	2.78	43	368554	57.412	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	796991	50.925	ug/l	98
20) Methylene Chloride	2.85	84	256080	50.972	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	241210	46.873	ug/l	100
22) Diisopropyl ether	3.87	45	726581	50.184	ug/l	97
23) Vinyl Acetate	3.82	43	3065967	255.187	ug/l	99
24) 1,1-Dichloroethane	3.70	63	403769	48.561	ug/l	99
25) 2-Butanone	4.70	43	901297	257.453	ug/l	100
26) 2,2-Dichloropropane	4.59	77	278702	44.014	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	263697	46.915	ug/l	99
28) Bromochloromethane	5.02	49	188784	49.373	ug/l	100
29) Tetrahydrofuran	5.15	42	591028	268.432	ug/l	99
30) Chloroform	5.21	83	425661	49.061	ug/l	97
31) Cyclohexane	5.57	56	346762	46.435	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	366912	50.100	ug/l	99
36) 1,1-Dichloropropene	5.80	75	302664	44.577	ug/l	100
37) Ethyl Acetate	4.85	43	340331	49.586	ug/l	99
38) Carbon Tetrachloride	5.78	117	322569	48.971	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	362048	44.073	ug/l	97
40) Benzene	6.15	78	948743	47.437	ug/l	100
41) Methacrylonitrile	5.06	41	185348	50.387	ug/l	98
42) 1,2-Dichloroethane	6.20	62	317702	45.911	ug/l	99
43) Isopropyl Acetate	6.46	43	544439	51.392	ug/l	99
44) Trichloroethene	7.21	130	274674	45.600	ug/l	100
45) 1,2-Dichloropropane	7.52	63	238673	47.629	ug/l	96
46) Dibromomethane	7.66	93	167155	45.895	ug/l	98
47) Bromodichloromethane	7.90	83	299035	48.446	ug/l	98
48) Methyl methacrylate	7.77	41	279901	52.822	ug/l	100
49) 1,4-Dioxane	7.75	88	122758	1018.534	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1775680	254.615	ug/l	99
52) Toluene	8.79	92	606518	47.003	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	329491	49.695	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	364937	50.051	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	255621	47.523	ug/l	98
56) Ethyl methacrylate	9.18	69	380002	51.008	ug/l	98
57) 1,3-Dichloropropane	9.37	76	410382	47.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1000504	254.797	ug/l	99
59) 2-Hexanone	9.49	43	1352998	249.312	ug/l	100
60) Dibromochloromethane	9.59	129	262320	51.565	ug/l	99
61) 1,2-Dibromoethane	9.67	107	279372	49.044	ug/l	99
64) Tetrachloroethene	9.34	164	282393	44.029	ug/l	99
65) Chlorobenzene	10.14	112	699503	47.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	253249	50.867	ug/l	99
67) Ethyl Benzene	10.25	91	1161902	48.588	ug/l	99
68) m/p-Xylenes	10.36	106	912552	95.999	ug/l	100
69) o-Xylene	10.70	106	446882	48.855	ug/l	99
70) Styrene	10.71	104	719724	48.517	ug/l	100
71) Bromoform	10.86	173	197521	45.618	ug/l #	99
73) Isopropylbenzene	11.02	105	1177940	49.022	ug/l	99
74) N-amyl acetate	10.90	43	479805	51.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	369344	50.436	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	422805	61.473	ug/l	77
77) Bromobenzene	11.26	156	317973	46.966	ug/l	97
78) n-propylbenzene	11.36	91	1311376	49.769	ug/l	100
79) 2-Chlorotoluene	11.42	91	765052	47.851	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	971619	49.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	103493	46.804	ug/l	97
82) 4-Chlorotoluene	11.51	91	892257	48.230	ug/l	100
83) tert-Butylbenzene	11.77	119	953498	48.990	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	989720	49.590	ug/l	100
85) sec-Butylbenzene	11.94	105	1165236	49.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	1043612	49.078	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	562578	46.301	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	554981	45.021	ug/l	99
89) n-Butylbenzene	12.39	91	883326	48.289	ug/l	100
90) Hexachloroethane	12.60	117	164874	51.806	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	552429	45.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78748	51.716	ug/l	98

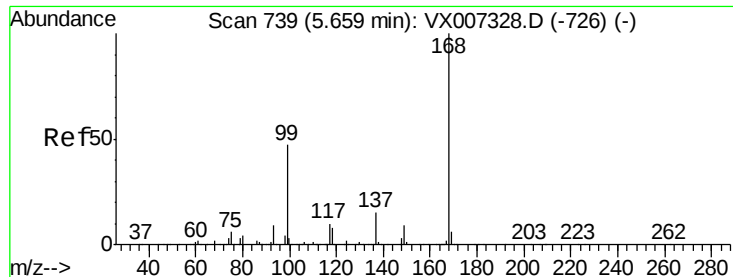
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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	385126	47.228	ug/l	99
94) Hexachlorobutadiene	13.78	225	185352	46.810	ug/l	99
95) Naphthalene	13.83	128	1199983	50.320	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	388908	47.379	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. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

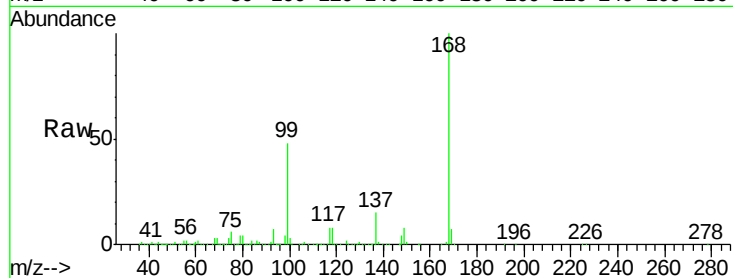
VSTDCCC050EC

Tot Ion:168 Resp: 505949

Ion Ratio Lower Upper

168 100

99 48.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

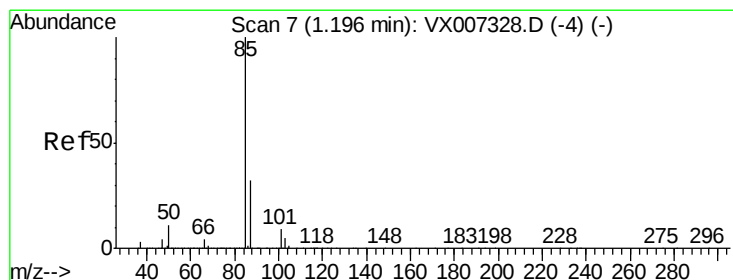
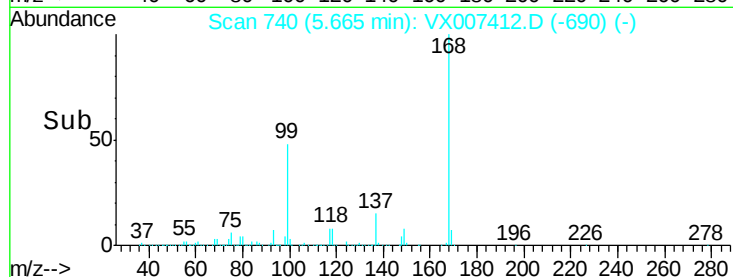
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.865 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007412.D

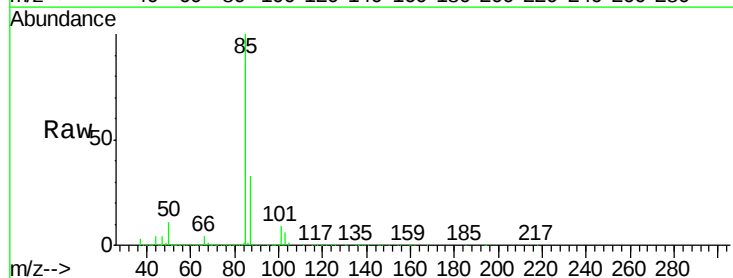
Acq: 06 Feb 2019 20:50

Tgt Ion: 85 Resp: 291304

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

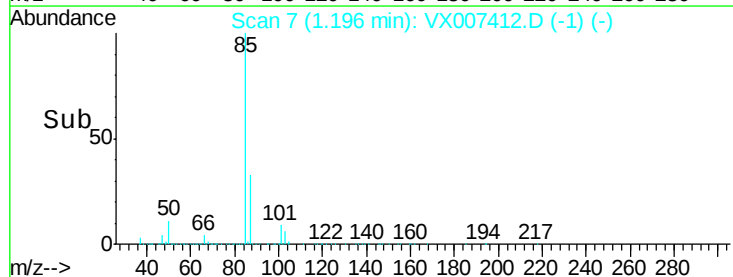
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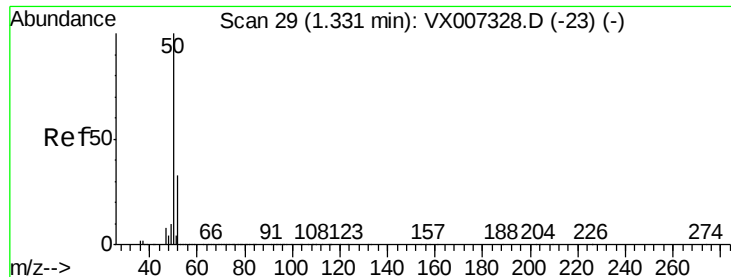
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.077 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

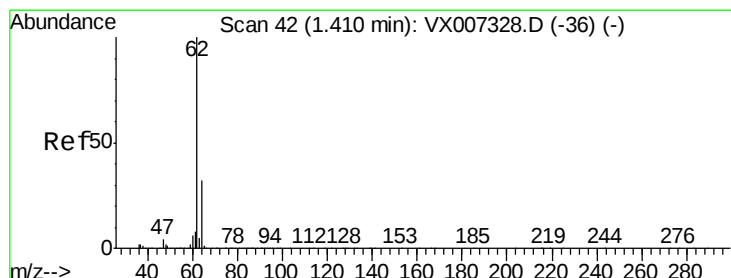
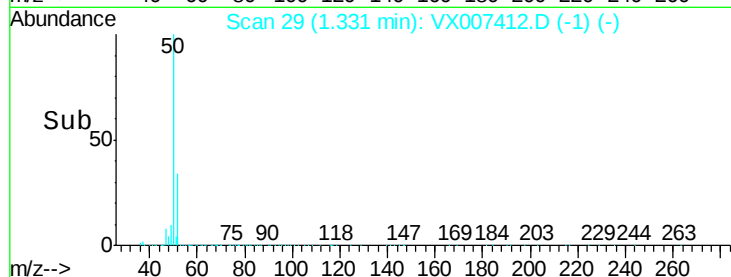
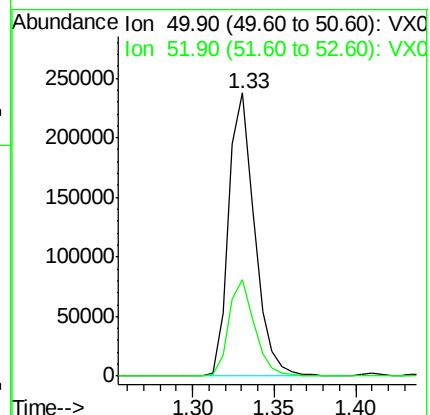
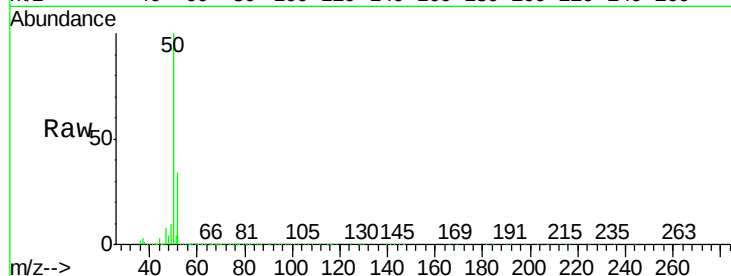
VSTDCCC050EC

Tot Ion: 50 Resp: 262583

Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1



#4

Vinyl Chloride

Concen: 50.454 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007412.D

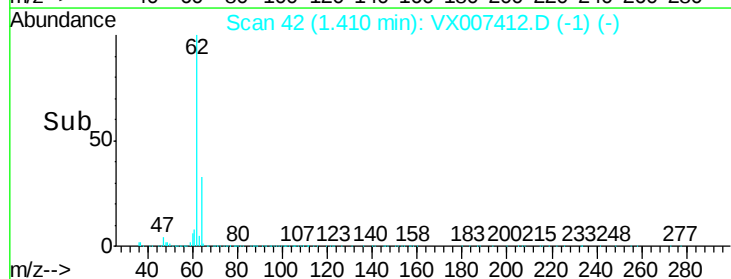
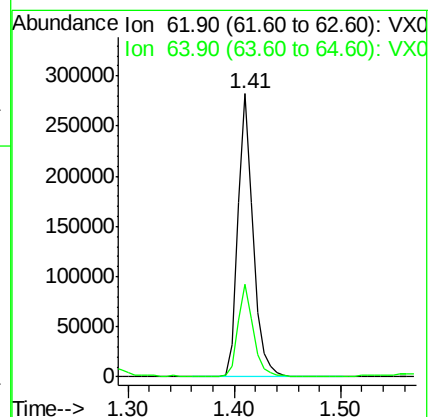
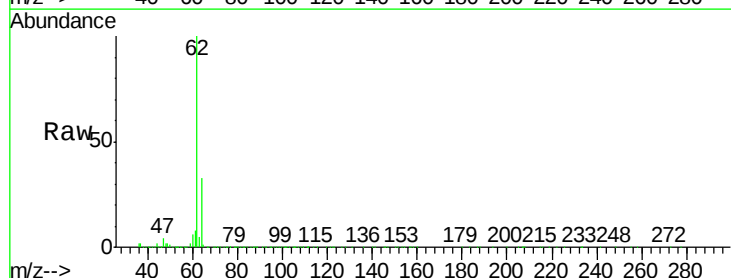
Acq: 06 Feb 2019 20:50

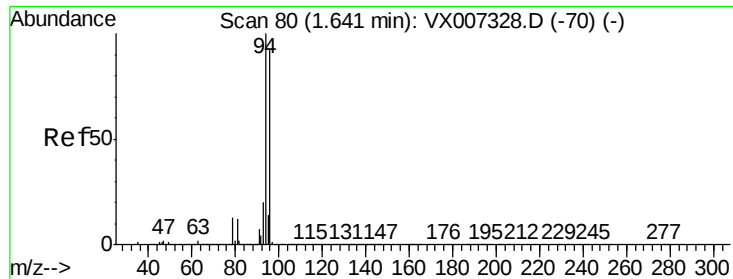
Tgt Ion: 62 Resp: 282073

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 40.820 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

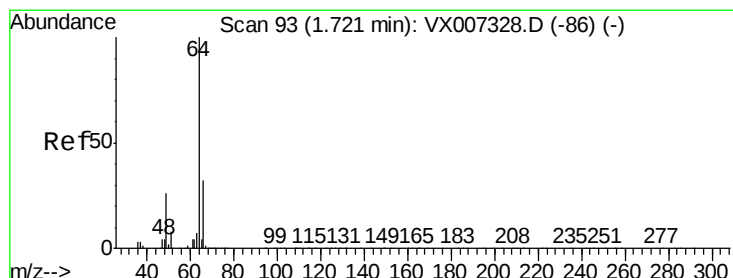
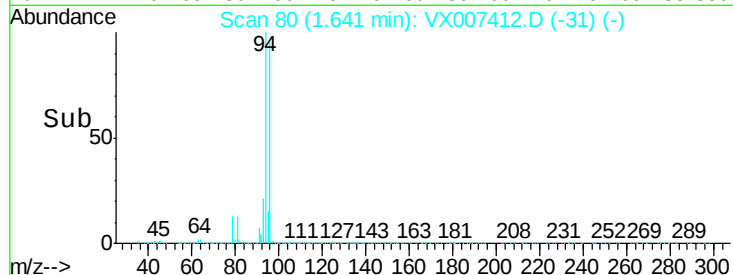
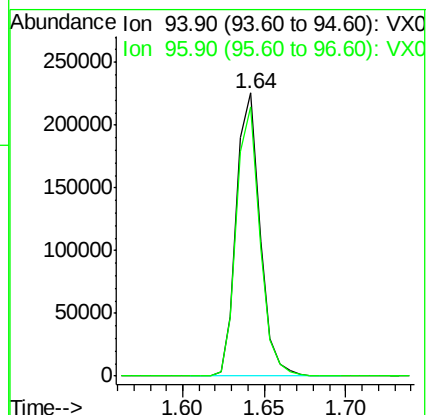
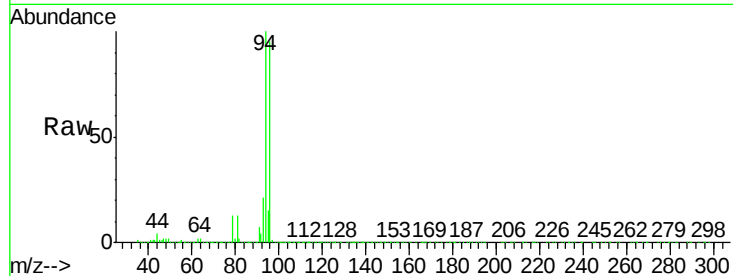
VSTDCCC050EC

Tot Ion: 94 Resp: 226150

Ion Ratio Lower Upper

94 100

96 95.2 73.9 110.9



#6

Chloroethane

Concen: 49.556 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007412.D

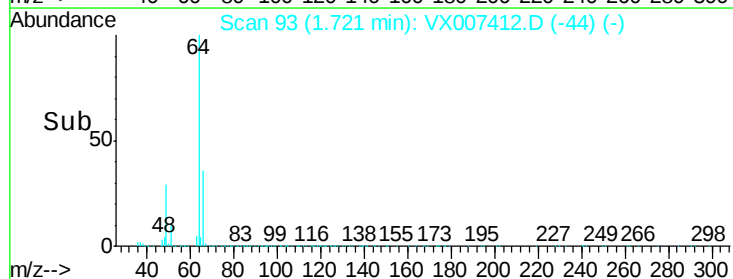
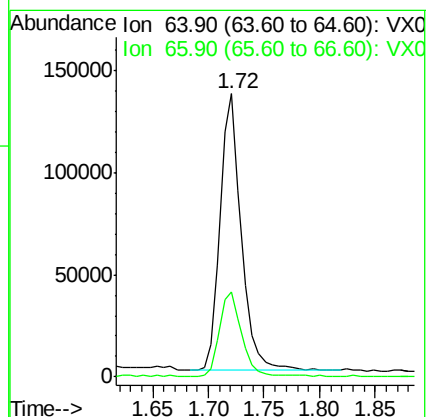
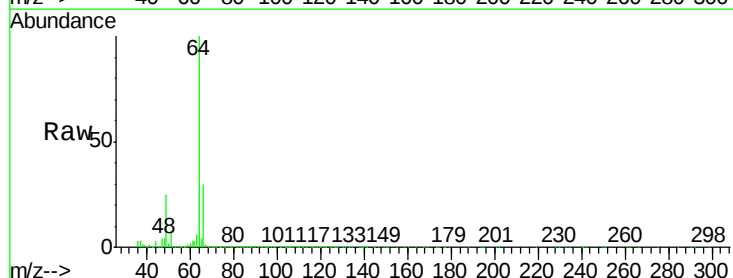
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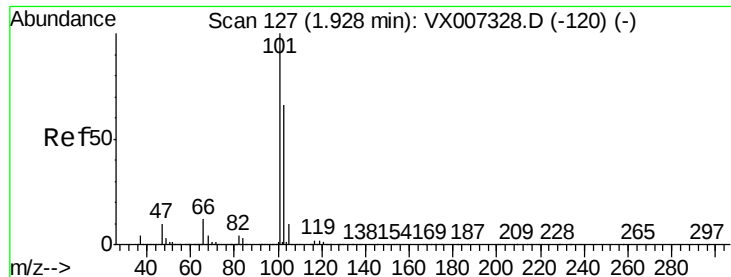
Tgt Ion: 64 Resp: 179222

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3



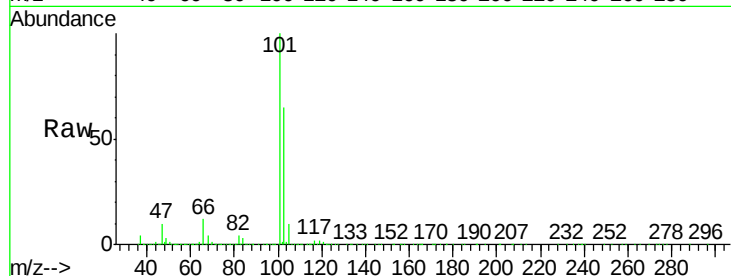


#7

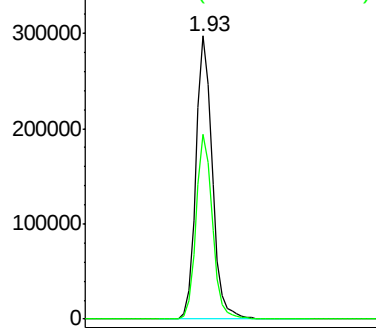
Trichlorofluoromethane
Concen: 48.988 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

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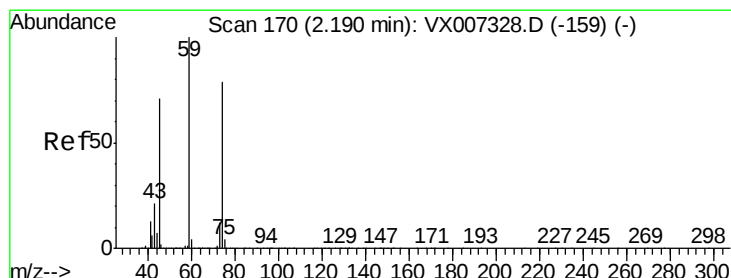
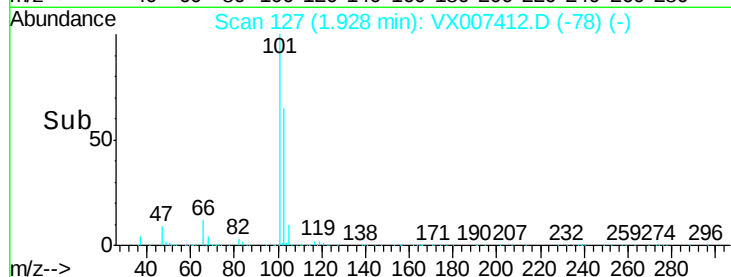
Tot Ion:101 Resp: 428440
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



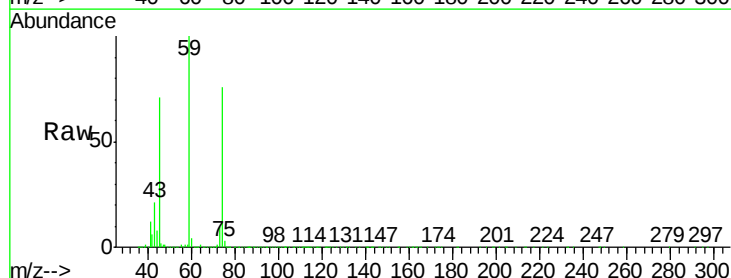
Time--> 1.80 1.90 2.00 2.10



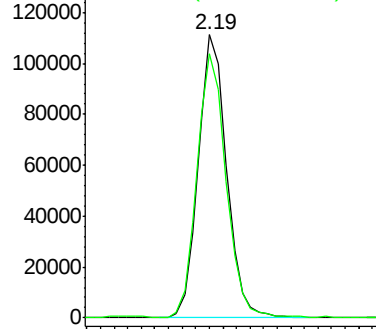
#8

Diethyl Ether
Concen: 48.803 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

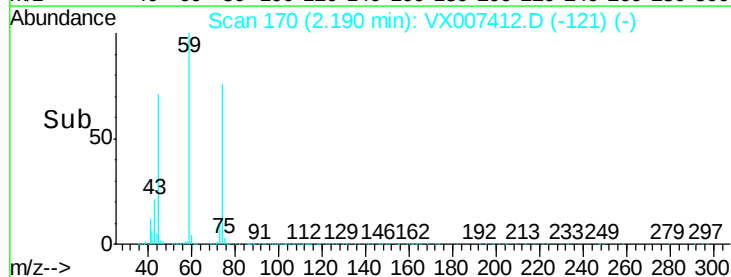
Tgt Ion: 74 Resp: 160648
Ion Ratio Lower Upper
74 100
45 95.5 45.7 137.1

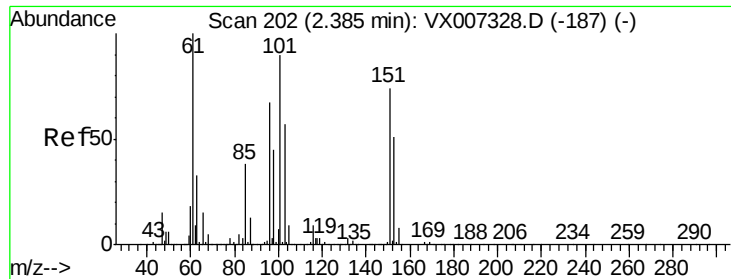


Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0



Time--> 2.10 2.15 2.20 2.25 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.004 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

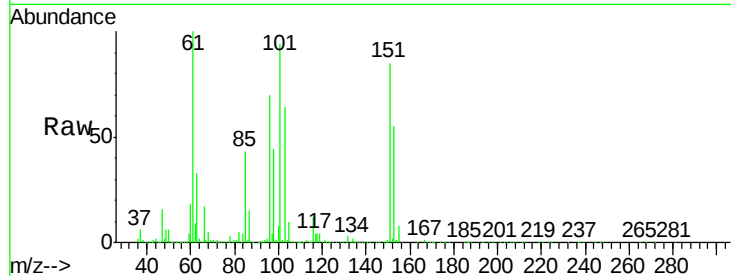
Tot Ion:101 Resp: 234120

Ion Ratio Lower Upper

101 100

85 44.3 34.1 51.1

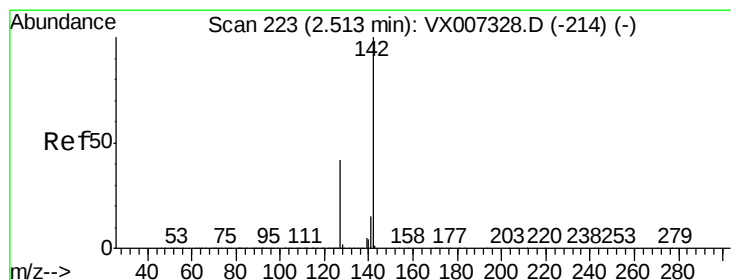
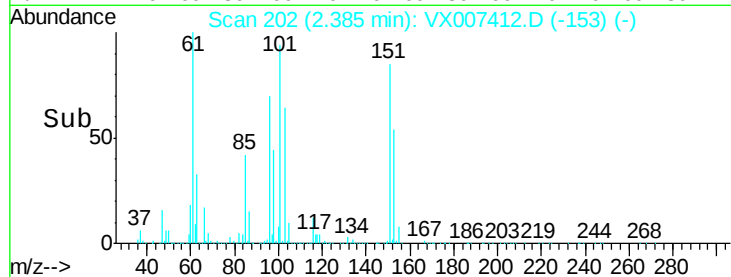
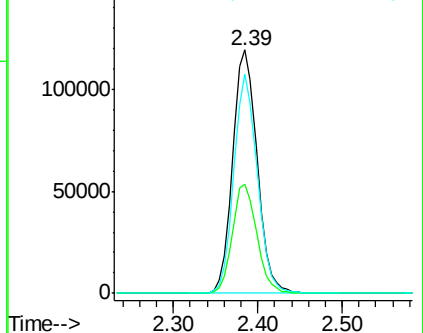
151 86.5 69.9 104.9



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: 40.459 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

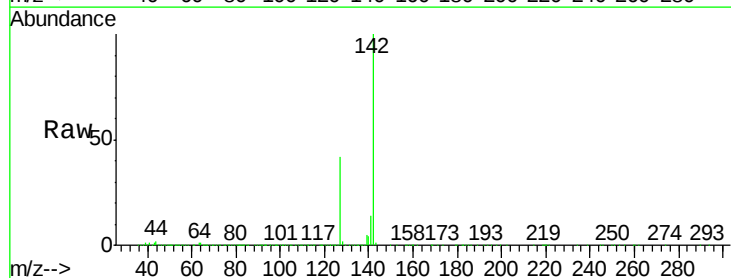
Tgt Ion:142 Resp: 309622

Ion Ratio Lower Upper

142 100

127 42.7 33.7 50.5

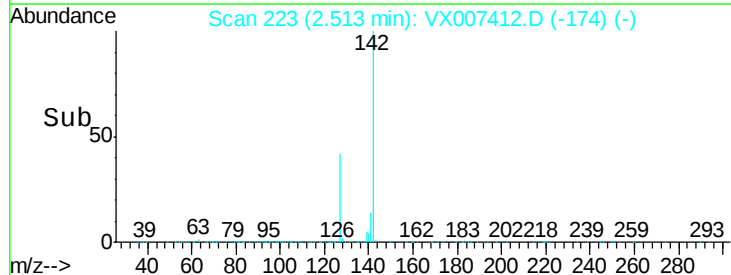
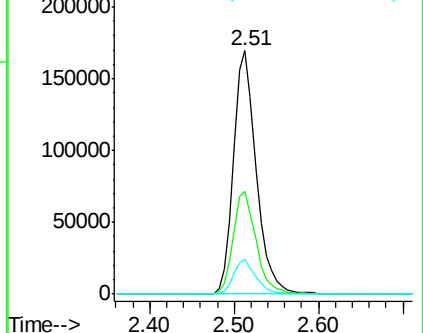
141 13.9 11.3 16.9

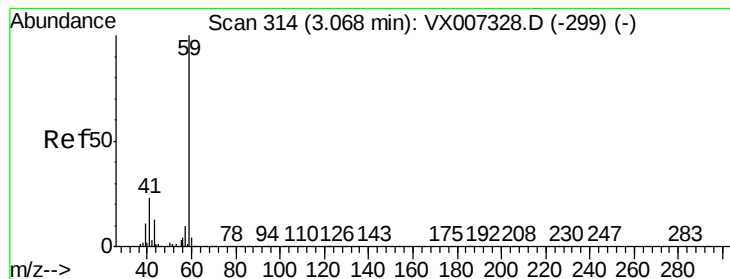


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



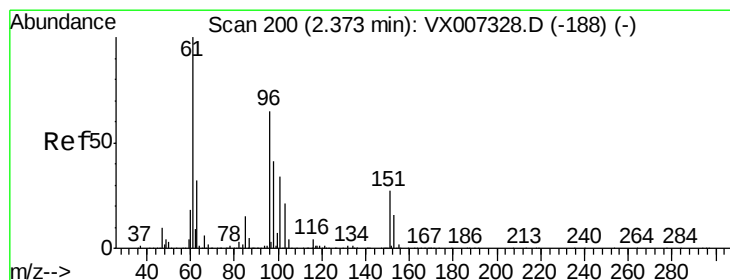
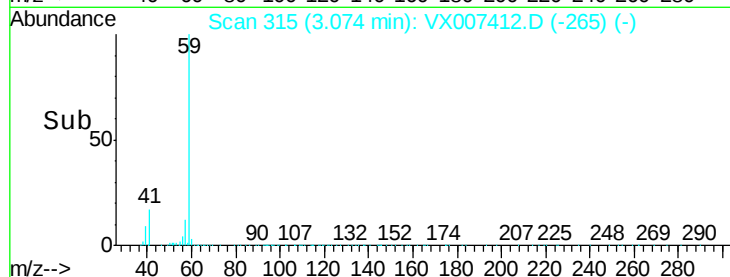
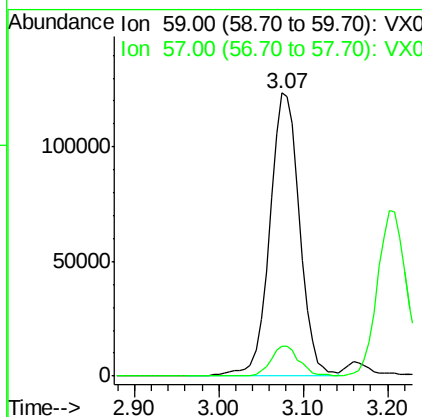
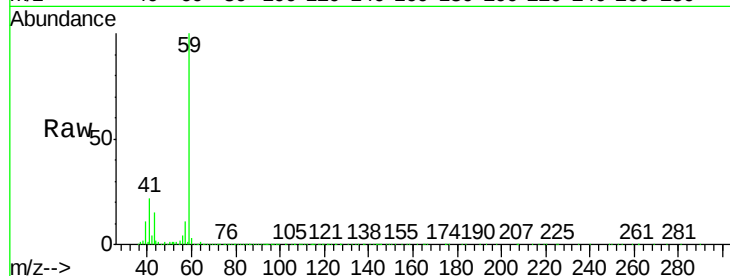


#11

Tert butyl alcohol
 Concen: 273.224 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

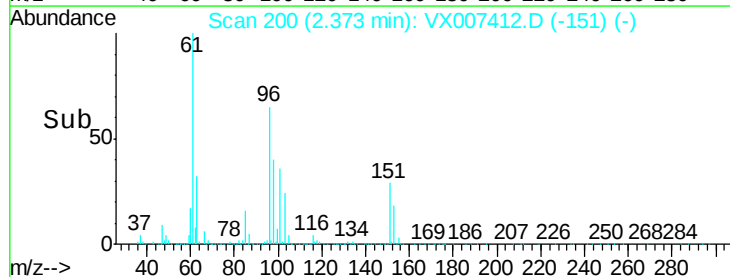
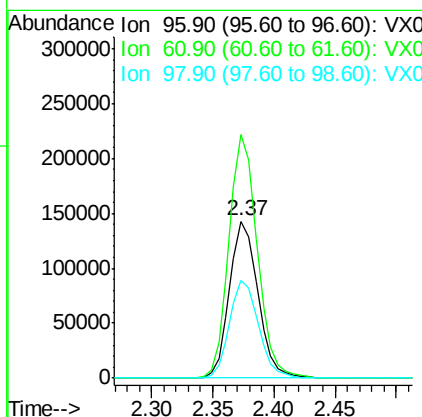
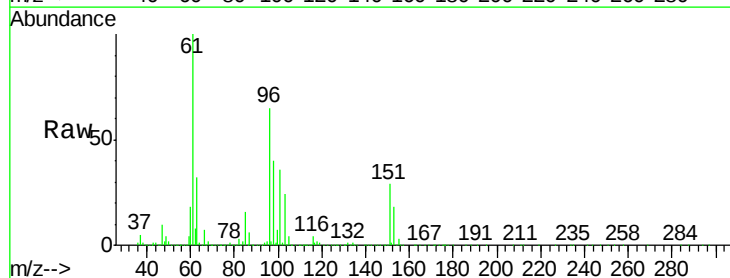
Tot Ion: 59 Resp: 303654
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.1 12.1

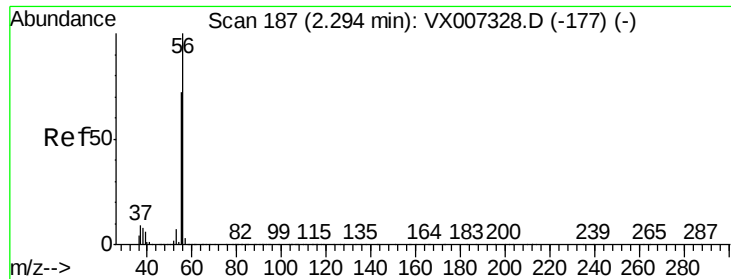


#12

1,1-Dichloroethene
 Concen: 47.853 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion: 96 Resp: 231167
 Ion Ratio Lower Upper
 96 100
 61 154.9 123.0 184.4
 98 62.5 50.9 76.3

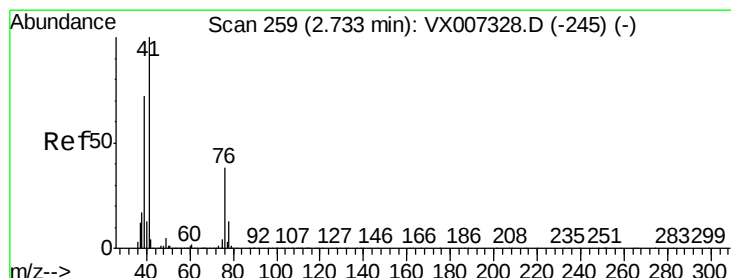
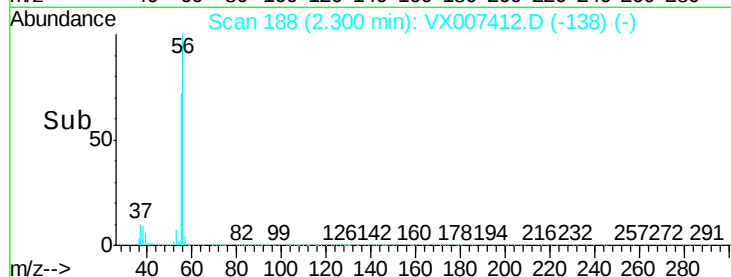
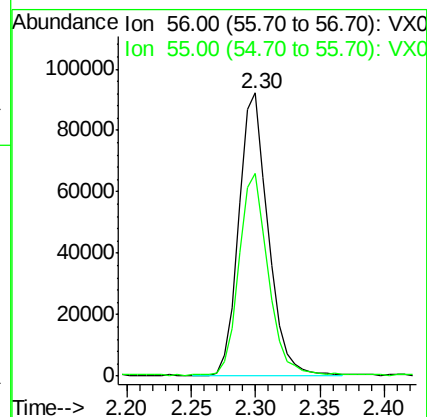
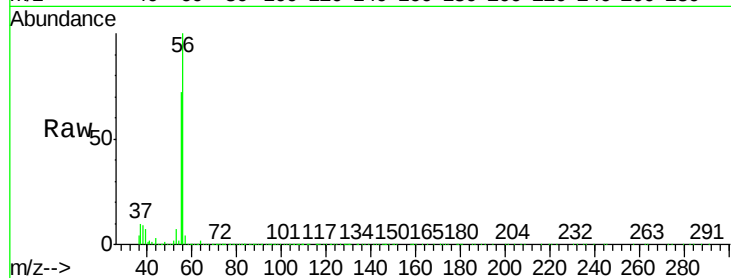




#13
Acrolein
Concen: 277.997 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

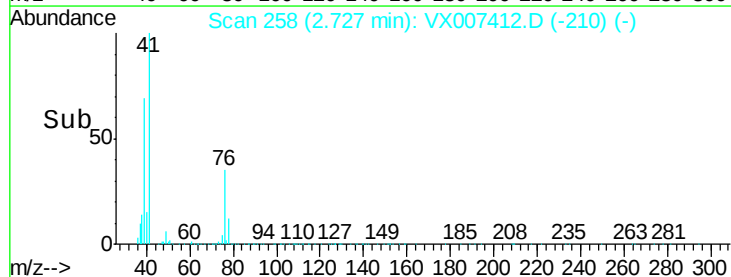
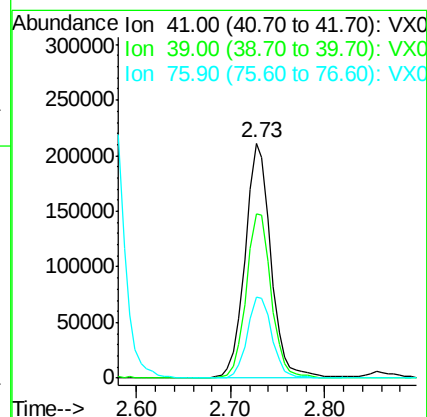
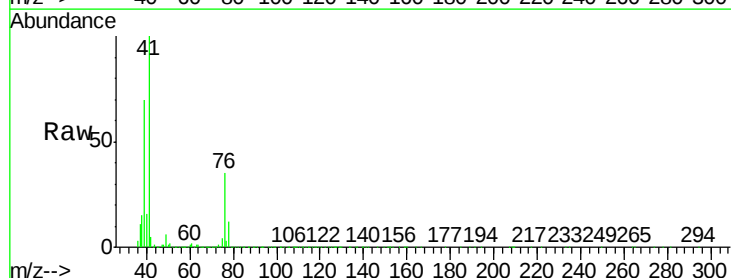
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 144879
Ion Ratio Lower Upper
56 100
55 71.7 56.9 85.3



#14
Allyl chloride
Concen: 50.754 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 41 Resp: 399495
Ion Ratio Lower Upper
41 100
39 68.2 54.1 81.1
76 33.0 27.8 41.8





#15

Acrylonitrile

Concen: 256.093 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

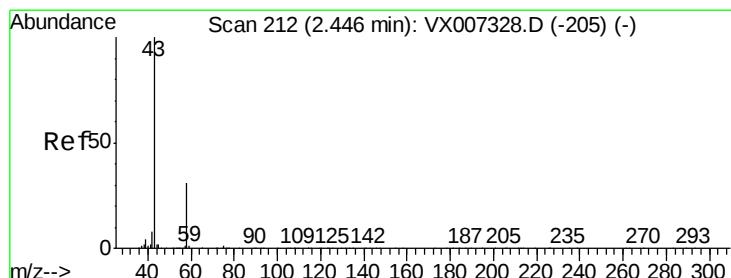
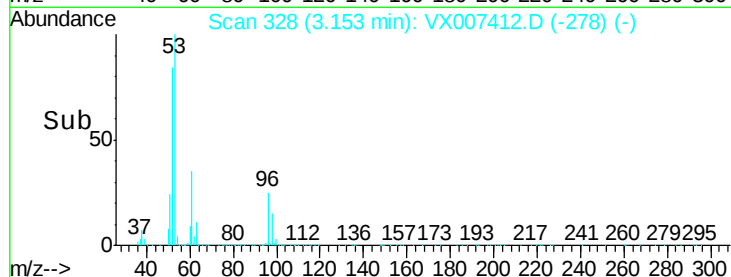
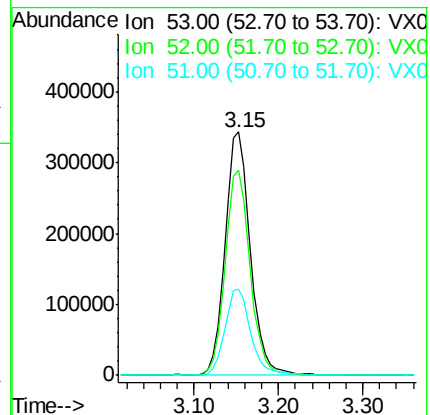
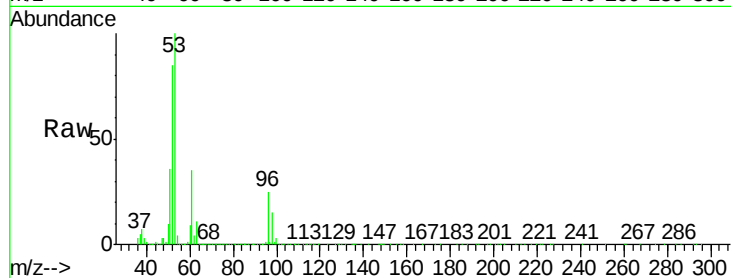
Tot Ion: 53 Resp: 704079

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

51 36.3 28.4 42.6



#16

Acetone

Concen: 252.799 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007412.D

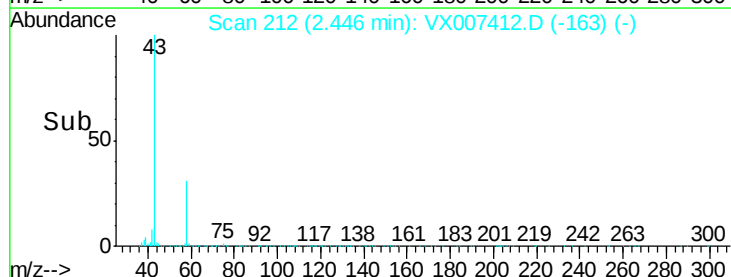
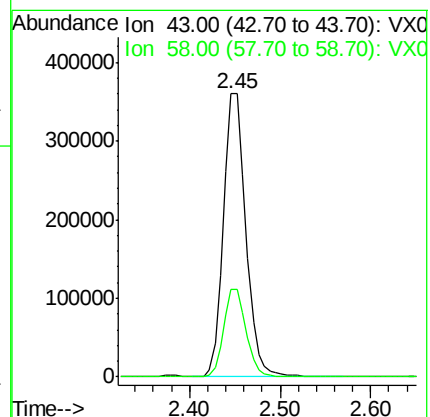
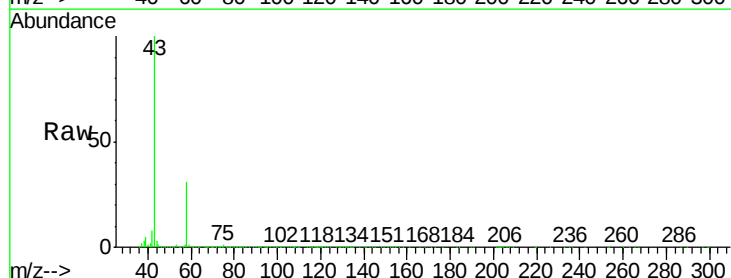
Acq: 06 Feb 2019 20:50

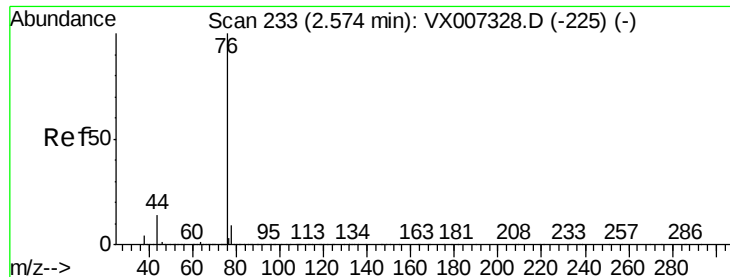
Tgt Ion: 43 Resp: 621877

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3

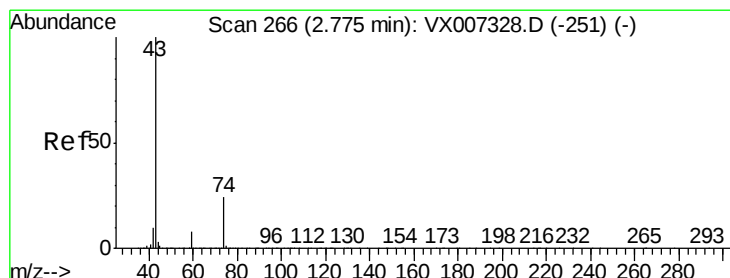
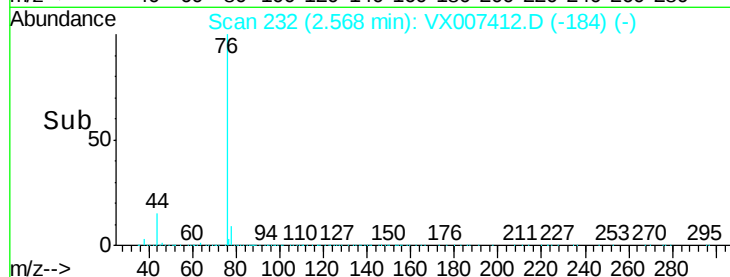
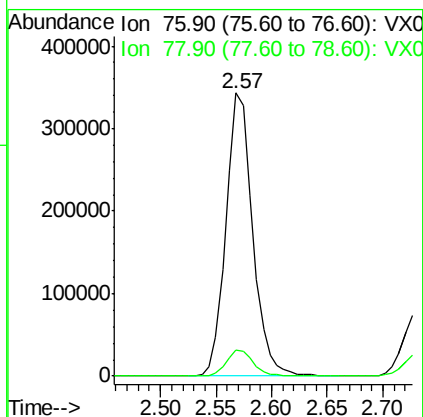
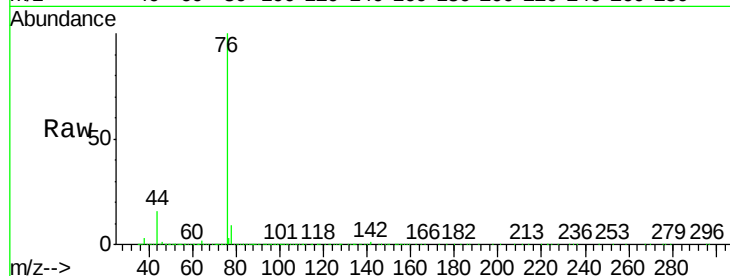




#17
Carbon Disulfide
Concen: 45.484 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

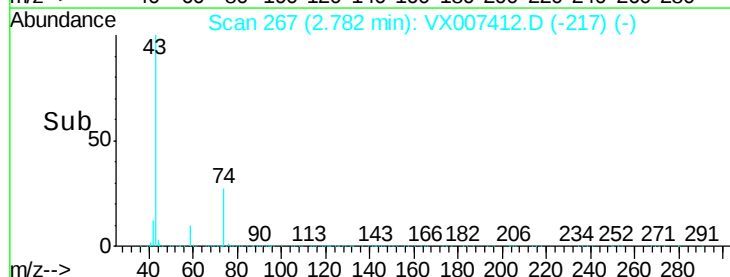
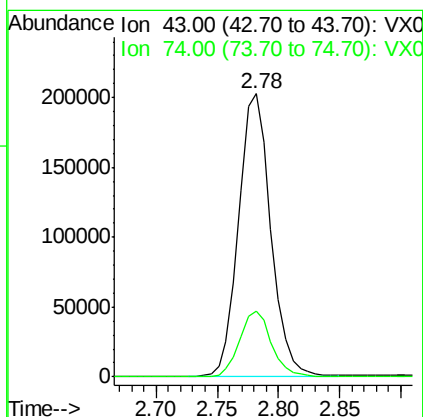
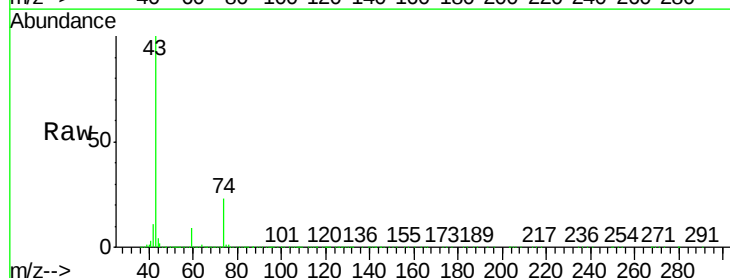
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

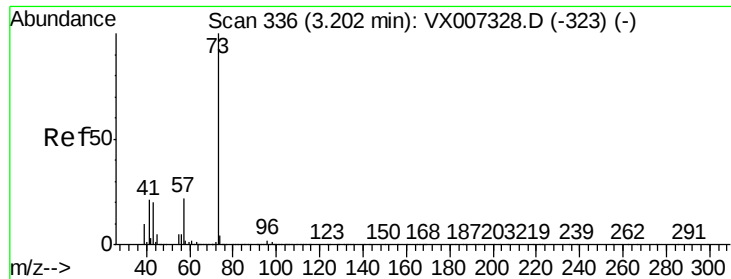
Tot Ion: 76 Resp: 572039
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 57.412 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 43 Resp: 368554
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.2

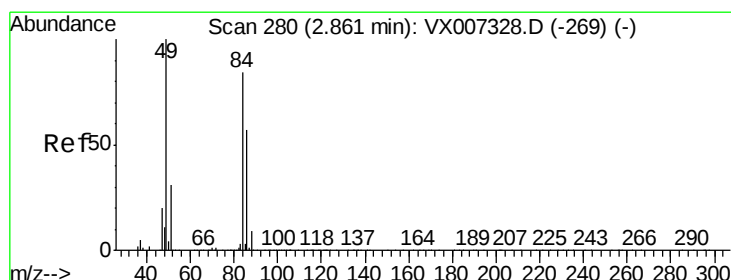
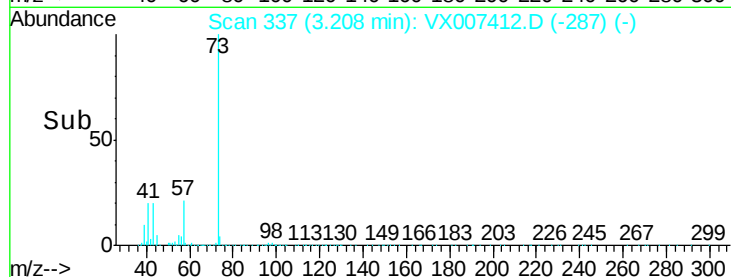
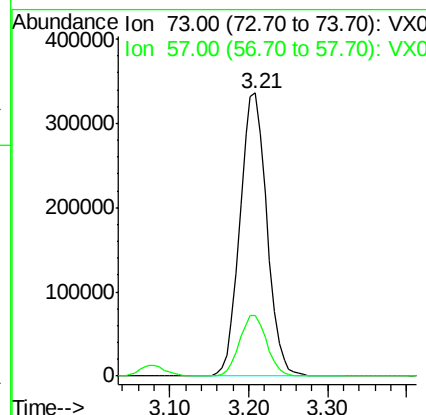
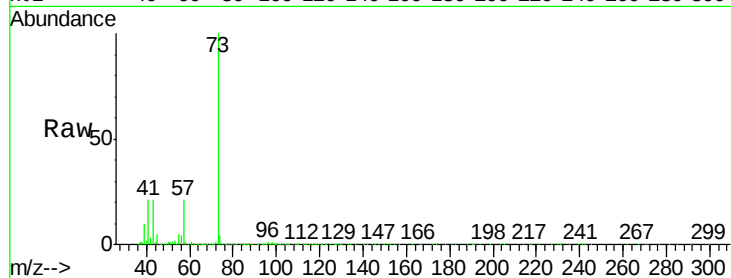




#19
Methyl tert-butyl Ether
Concen: 50.925 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

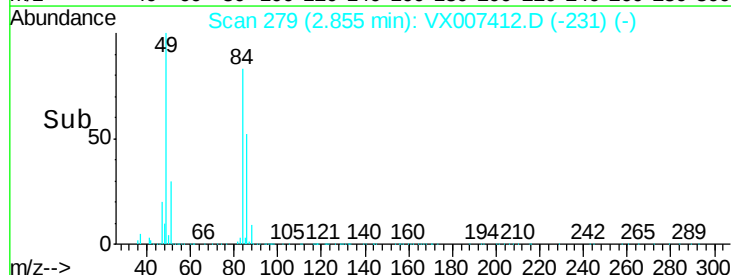
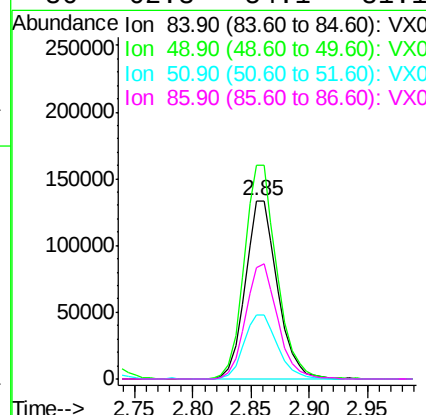
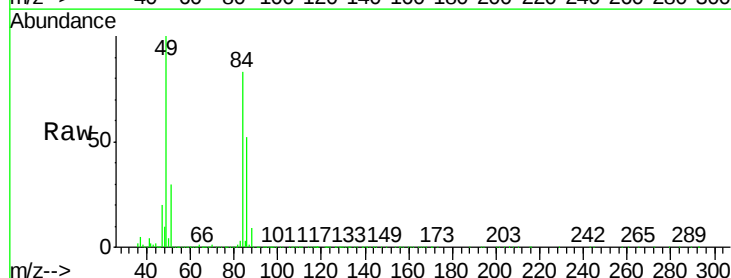
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

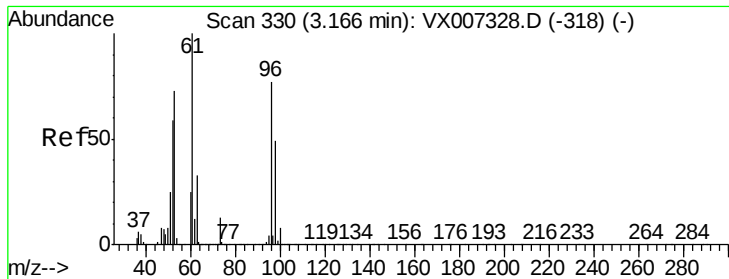
Tot Ion: 73 Resp: 796991
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8



#20
Methylene Chloride
Concen: 50.972 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 84 Resp: 256080
Ion Ratio Lower Upper
84 100
49 119.9 94.8 142.2
51 35.6 29.8 44.8
86 62.3 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 46.873 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

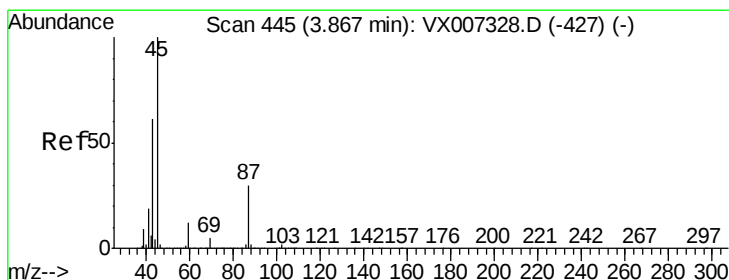
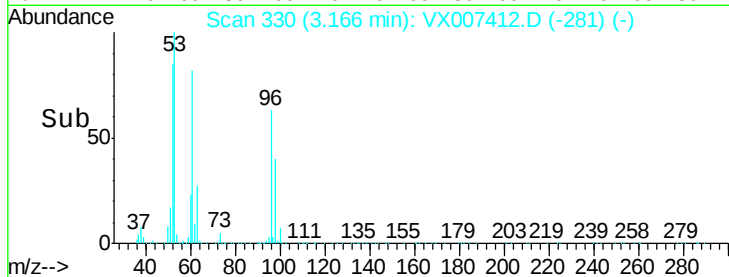
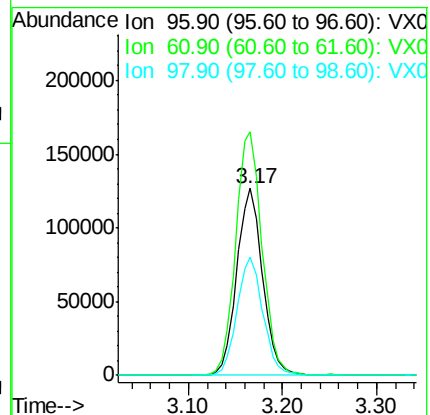
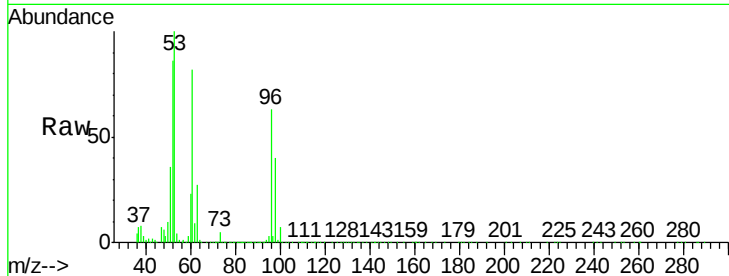
Tot Ion: 96 Resp: 241210

Ion Ratio Lower Upper

96 100

61 130.2 104.6 156.8

98 63.3 51.0 76.4



#22

Diisopropyl ether

Concen: 50.184 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion: 45 Resp: 726581

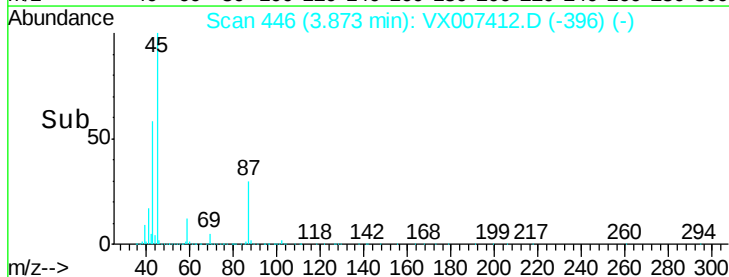
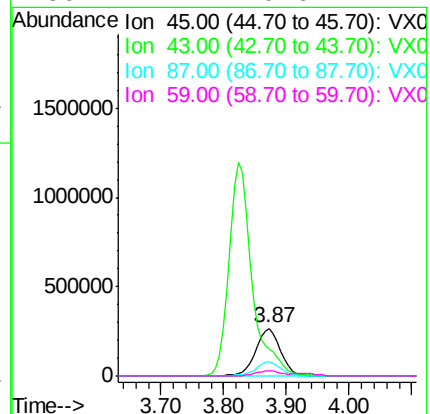
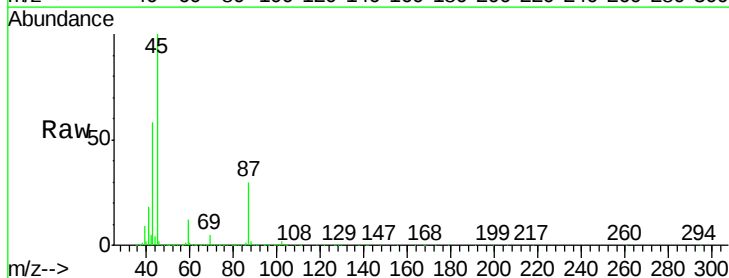
Ion Ratio Lower Upper

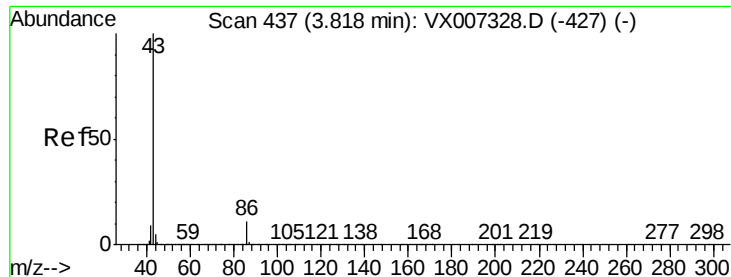
45 100

43 57.6 48.9 73.3

87 30.2 23.9 35.9

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 255.187 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

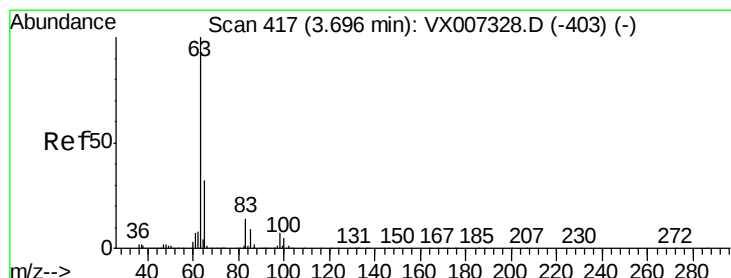
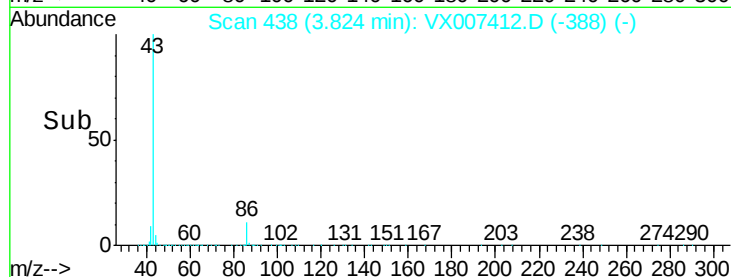
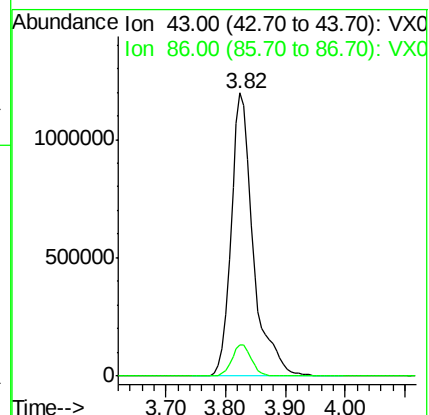
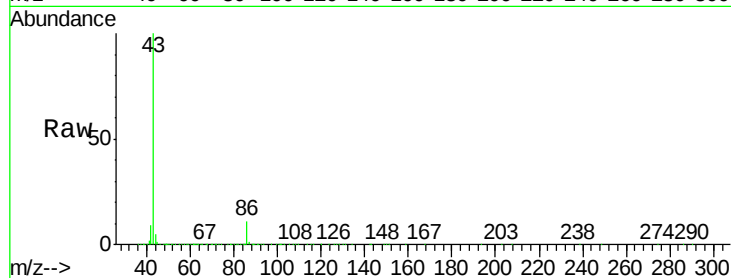
VSTDCCC050EC

Tot Ion: 43 Resp: 3065967

Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1



#24

1,1-Dichloroethane

Concen: 48.561 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

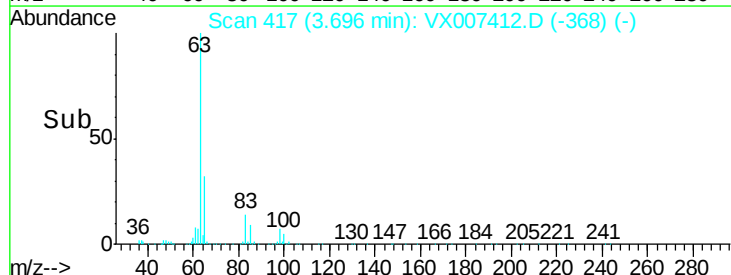
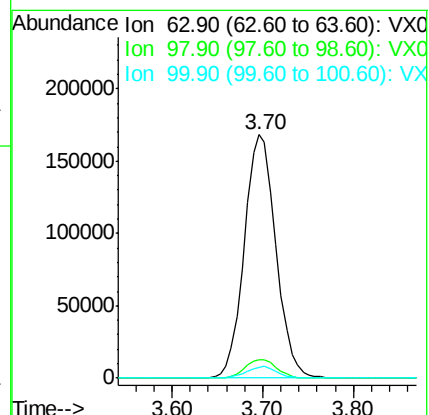
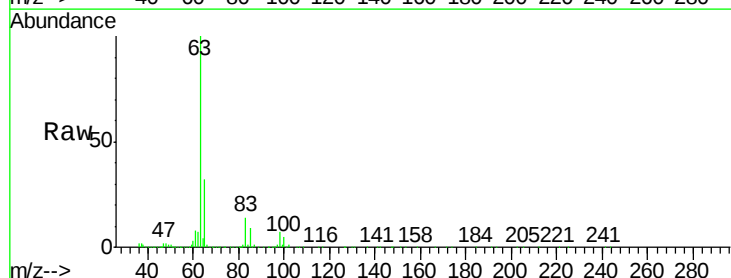
Tgt Ion: 63 Resp: 403769

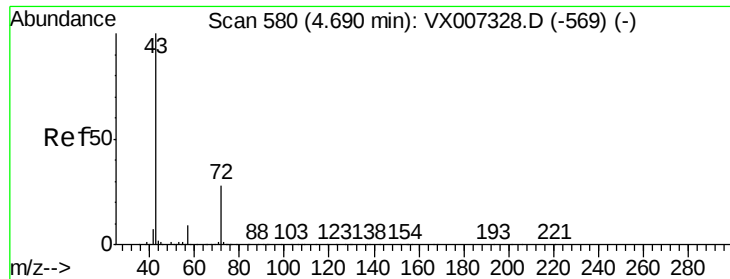
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 257.453 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

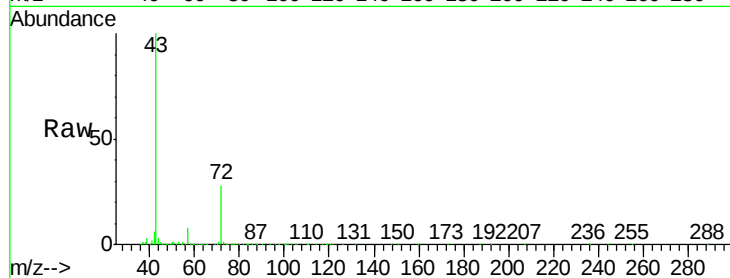
VSTDCCC050EC

Tot Ion: 43 Resp: 901297

Ion Ratio Lower Upper

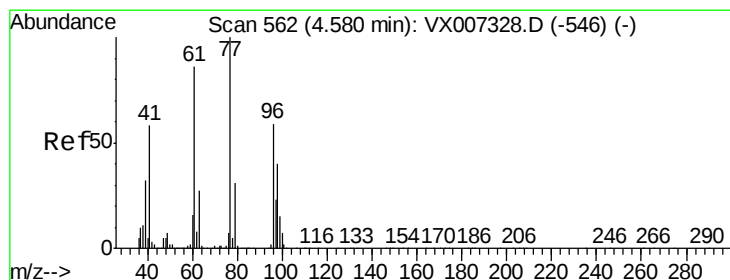
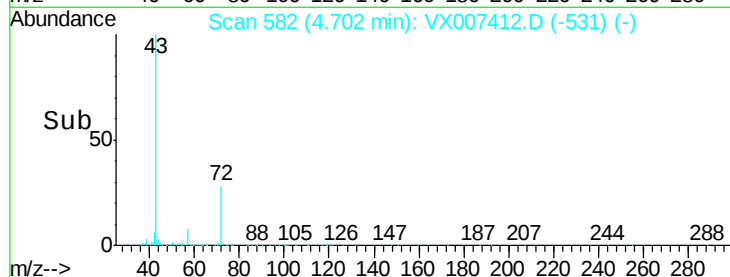
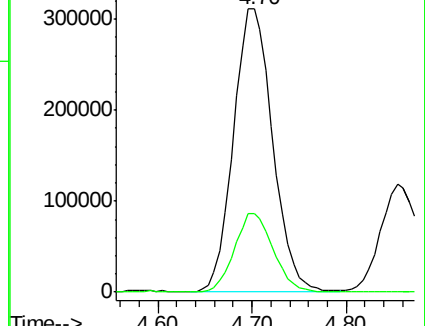
43 100

72 27.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.014 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007412.D

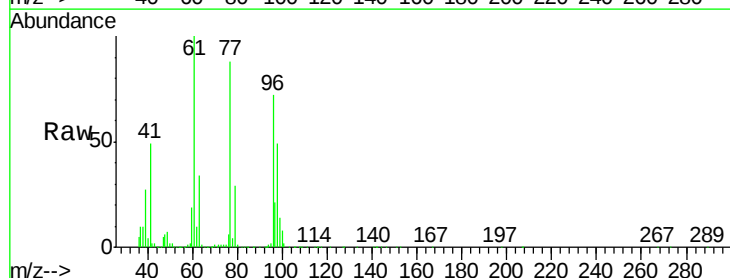
Acq: 06 Feb 2019 20:50

Tgt Ion: 77 Resp: 278702

Ion Ratio Lower Upper

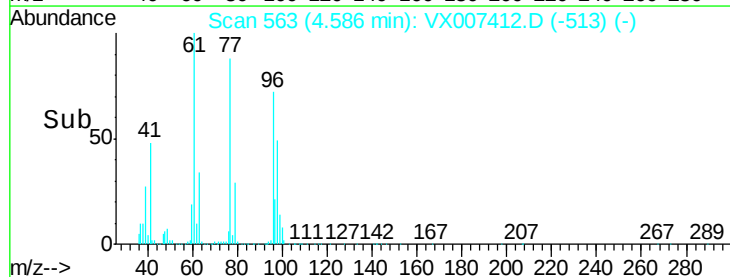
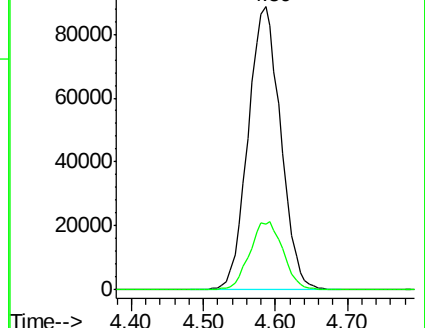
77 100

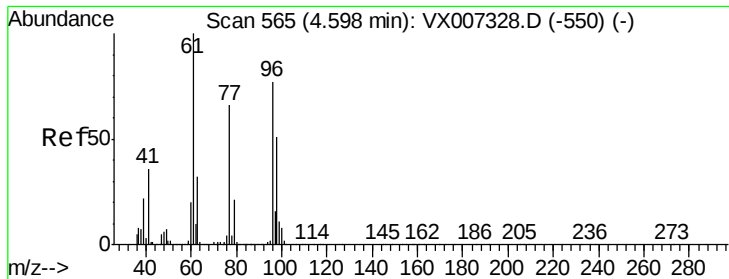
97 24.8 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



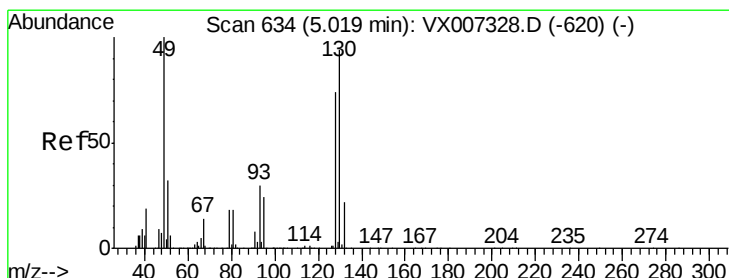
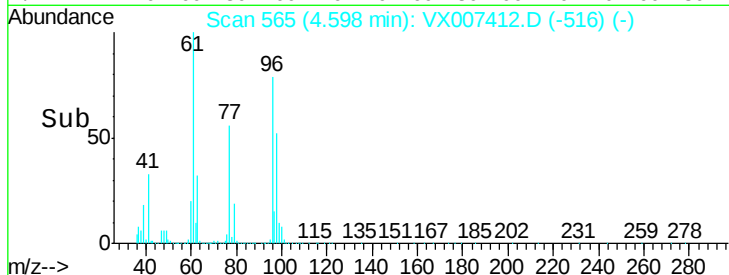
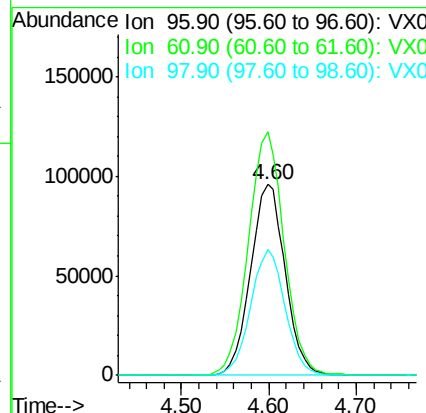
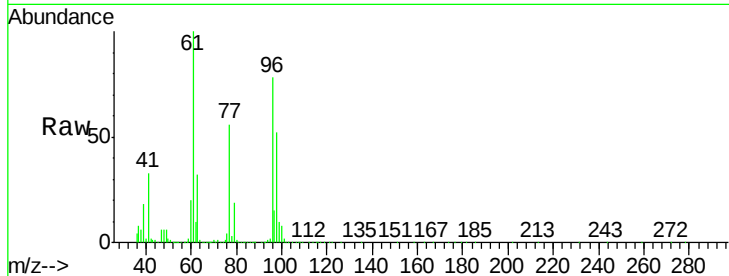


#27

cis-1,2-Dichloroethene
 Concen: 46.915 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

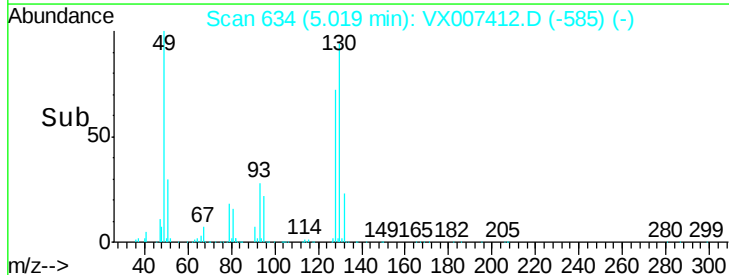
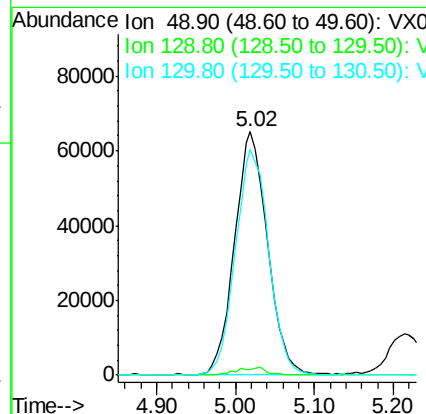
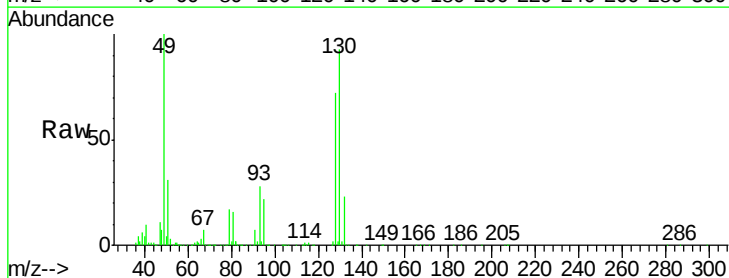
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	265.6
98	65.7	0.0	131.6



#28

Bromochloromethane
 Concen: 49.373 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	94.1	75.6	113.4





#29

Tetrahydrofuran

Concen: 268.432 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

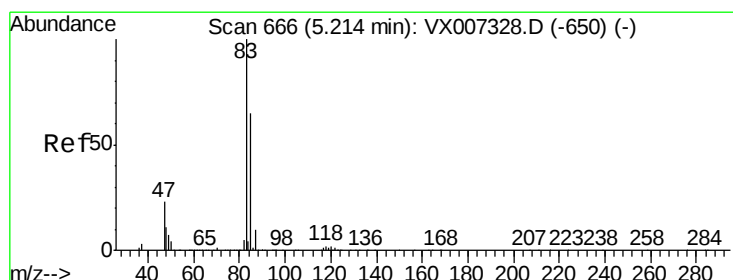
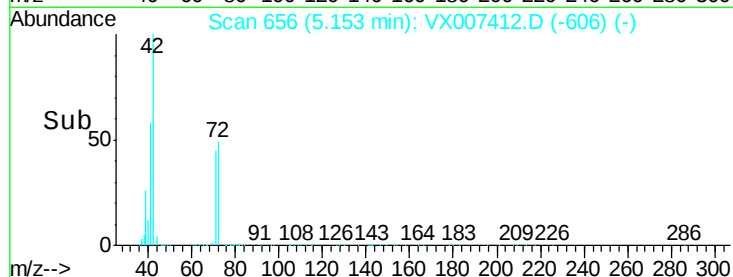
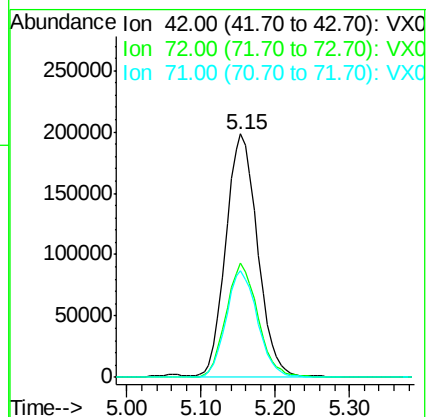
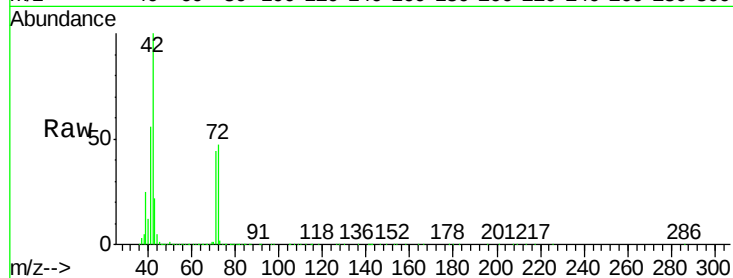
Tot Ion: 42 Resp: 591028

Ion Ratio Lower Upper

42 100

72 46.7 37.6 56.4

71 43.6 34.6 51.8



#30

Chloroform

Concen: 49.061 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007412.D

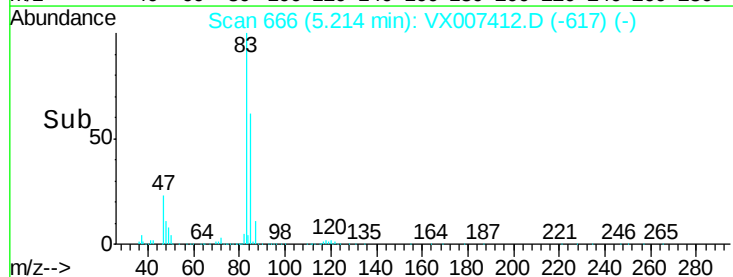
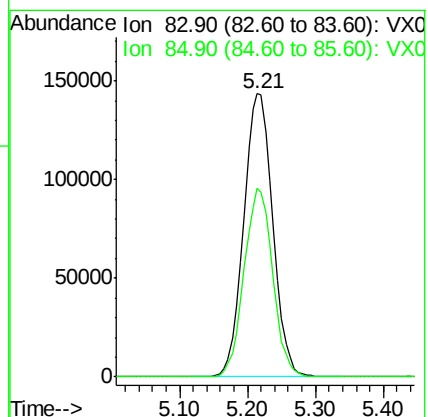
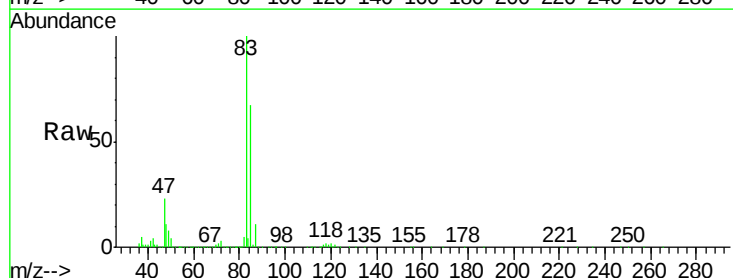
Acq: 06 Feb 2019 20:50

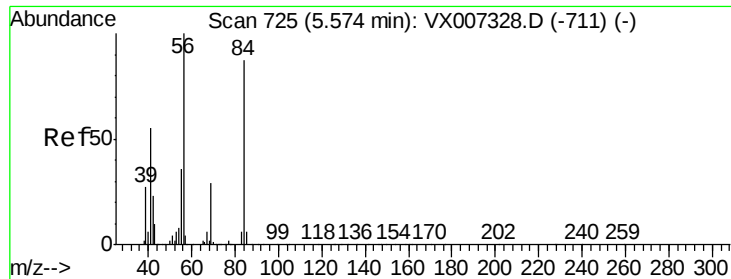
Tgt Ion: 83 Resp: 425661

Ion Ratio Lower Upper

83 100

85 66.8 51.6 77.4

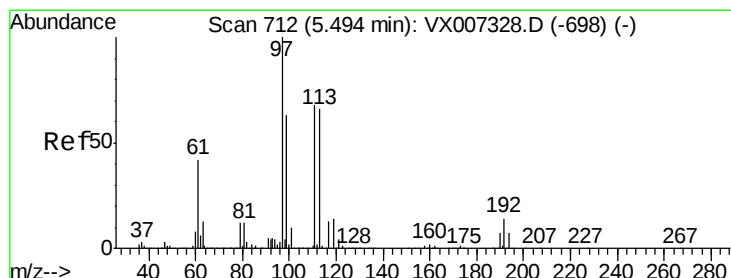
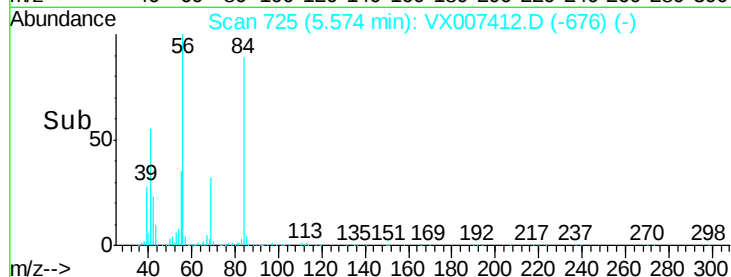
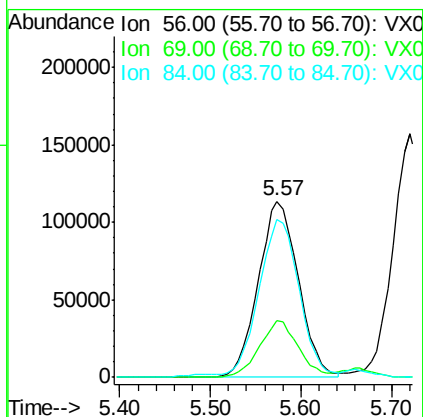
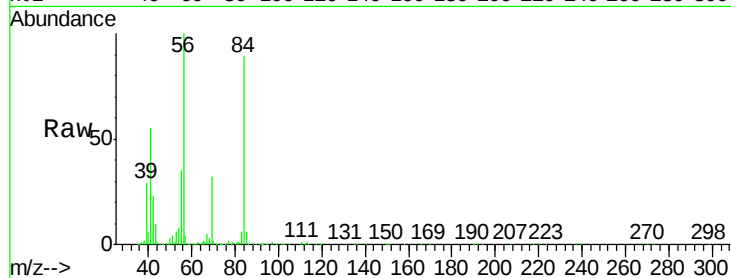




#31
Cyclohexane
Concen: 46.435 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

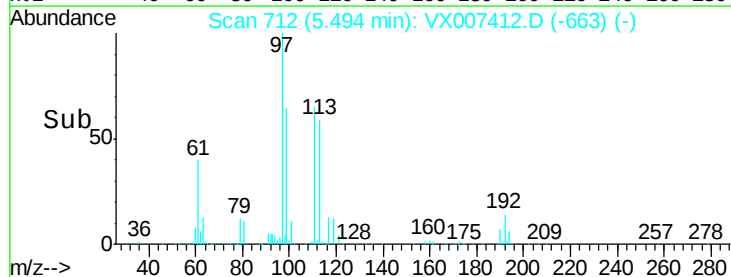
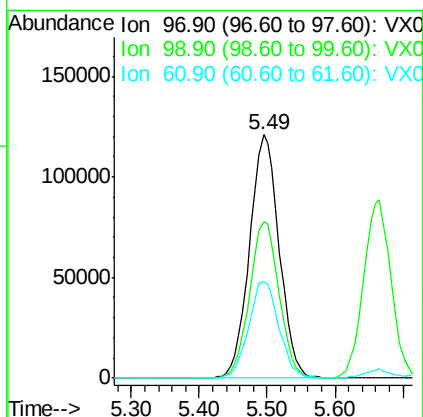
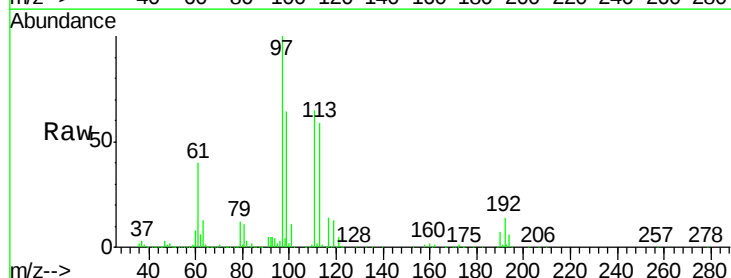
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 346762
Ion Ratio Lower Upper
56 100
69 32.4 23.0 34.6
84 88.4 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 50.100 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 97 Resp: 366912
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 40.5 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 48.430 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

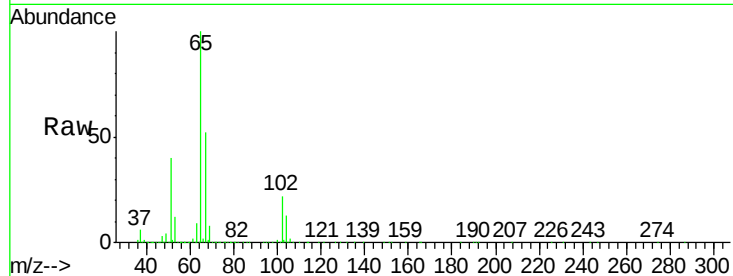
VSTDCCC050EC

Tot Ion: 65 Resp: 260081

Ion Ratio Lower Upper

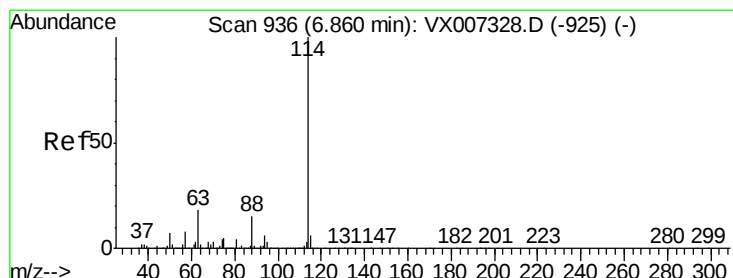
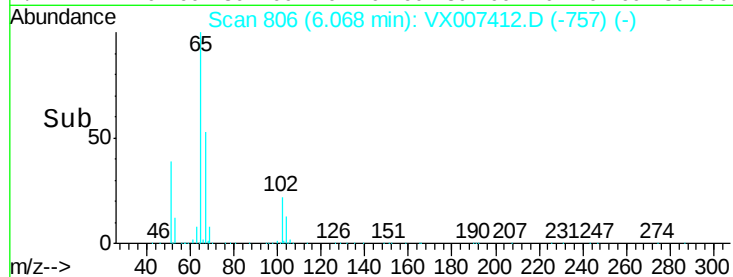
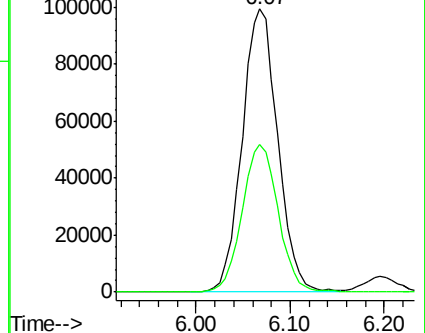
65 100

67 52.9 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

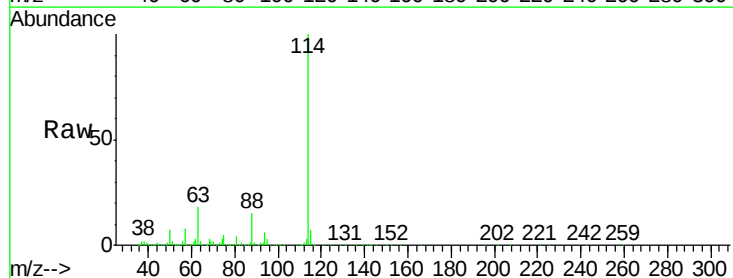
Tgt Ion: 114 Resp: 756723

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

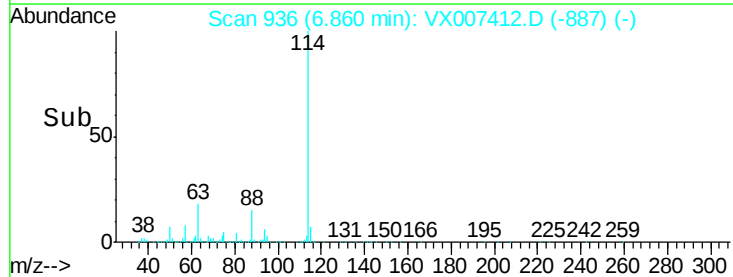
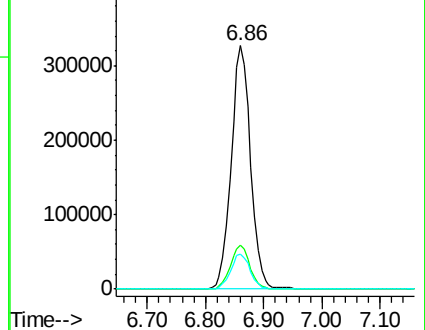
88 14.6 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

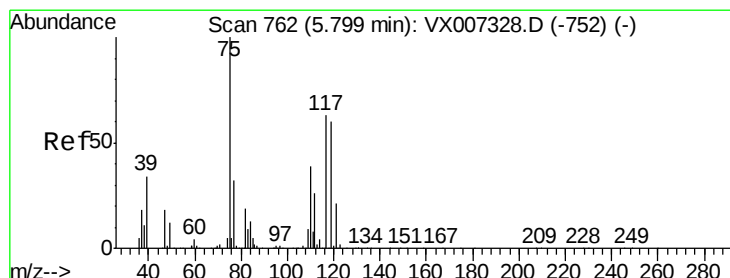
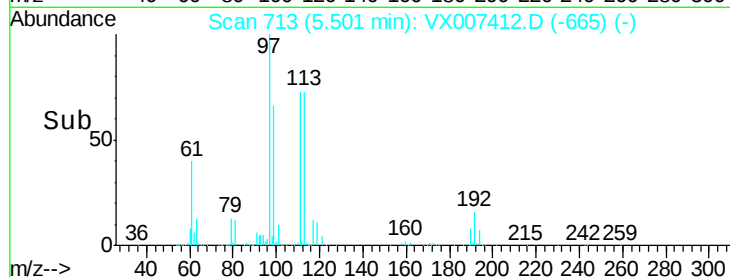
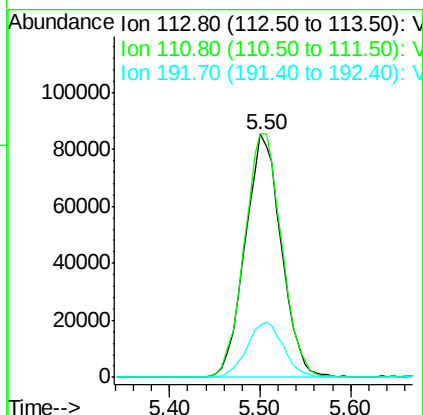
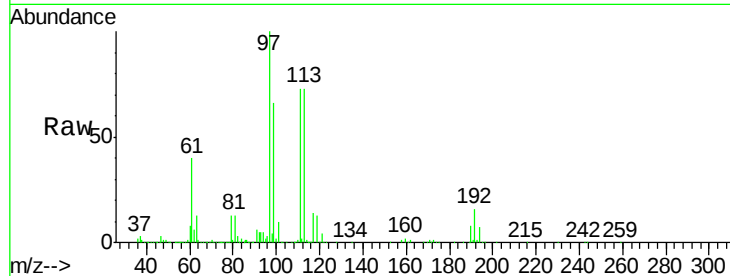




#35
 Dibromofluoromethane
 Concen: 47.740 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

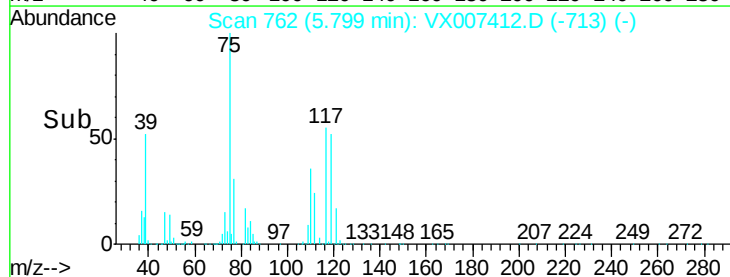
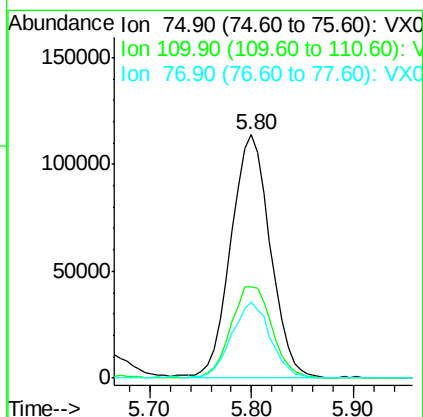
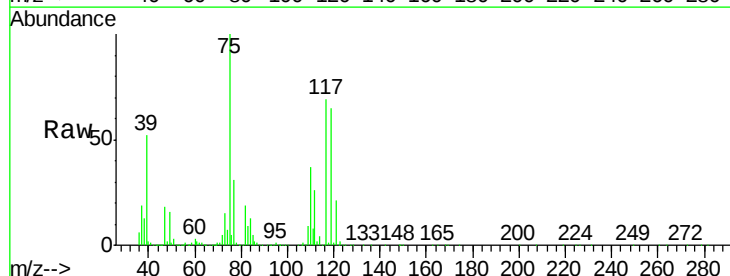
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

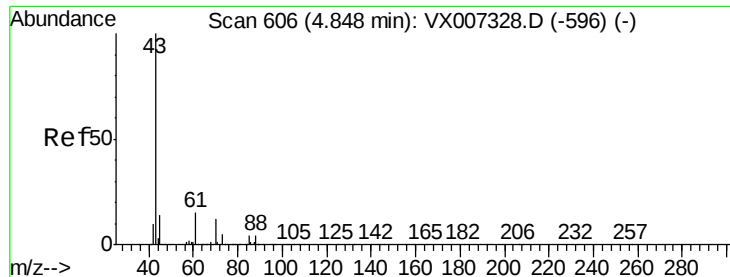
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	23.1	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 44.577 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	20.0	59.9
77	30.8	24.7	37.1

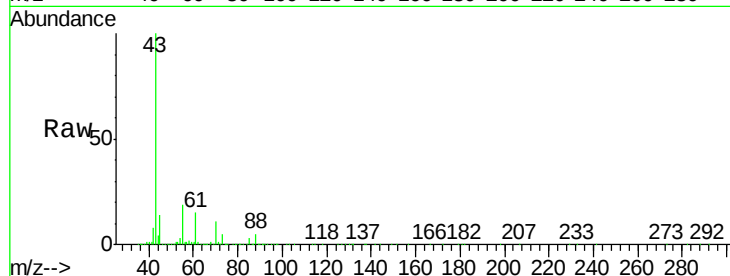




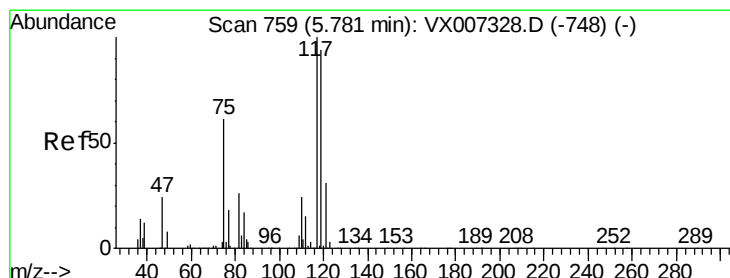
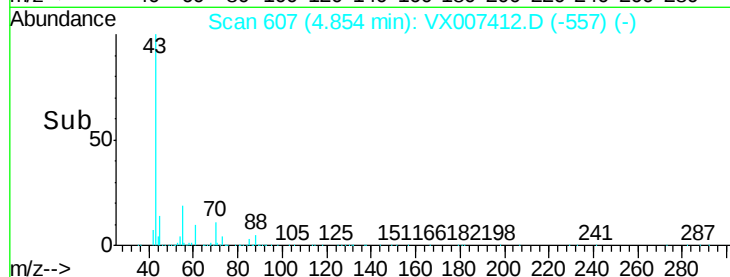
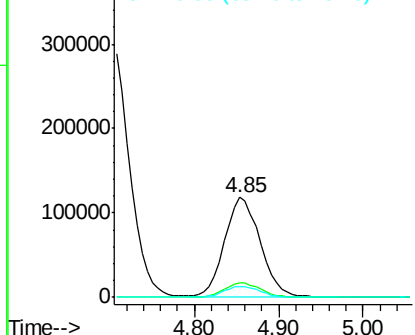
#37
Ethyl Acetate
Concen: 49.586 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	11.3	8.6	13.0

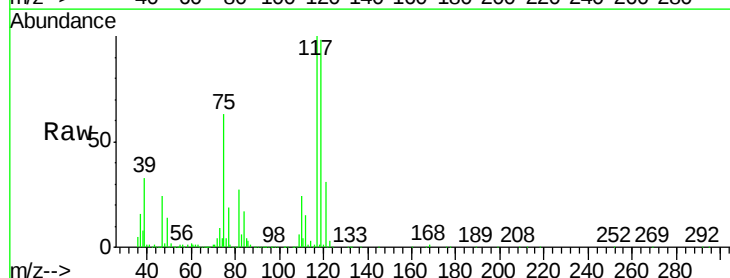


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

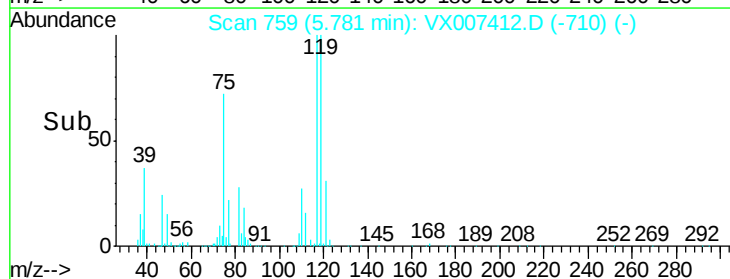
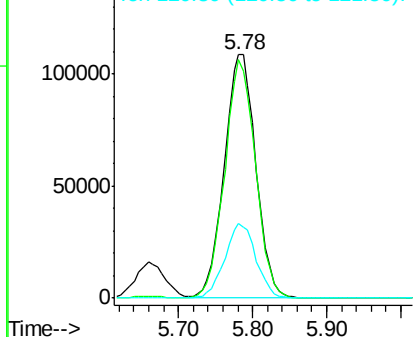


#38
Carbon Tetrachloride
Concen: 48.971 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.3	112.9
121	30.5	25.0	37.4



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

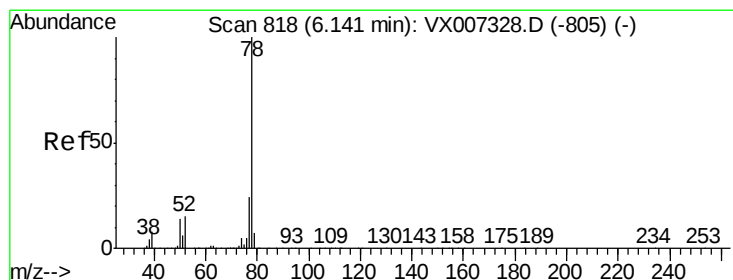
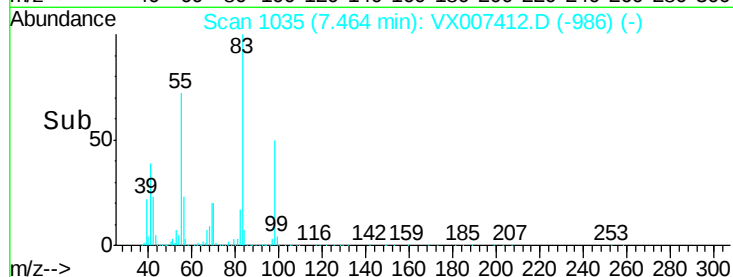
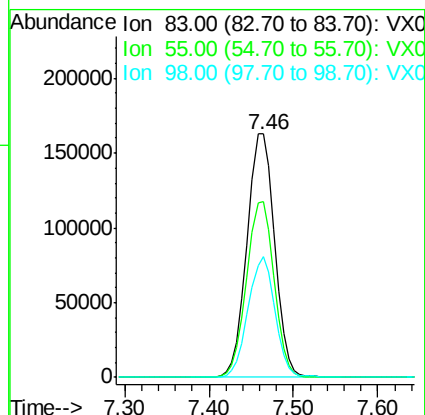
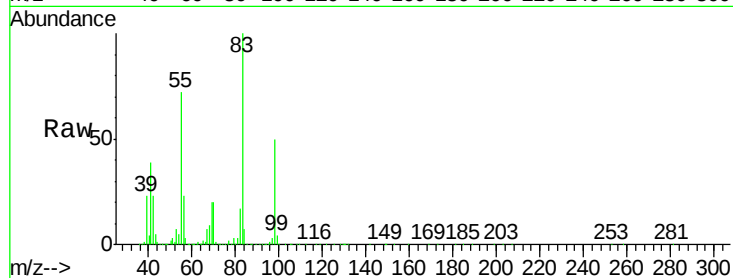




#39
Methvlcvclohexane
Concen: 44.073 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

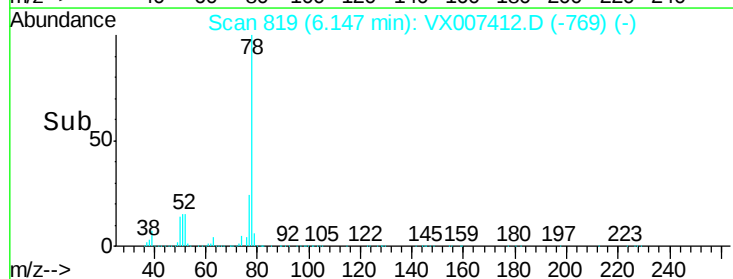
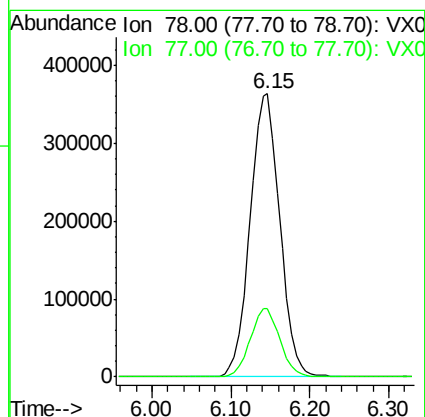
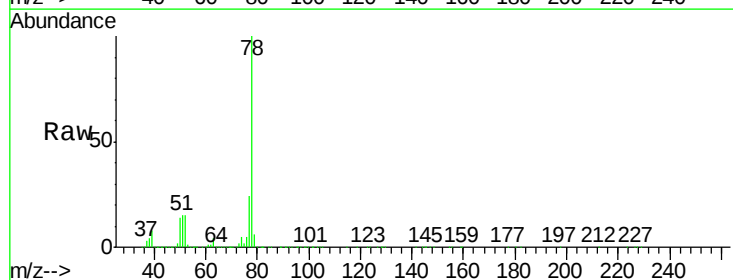
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 362048
Ion Ratio Lower Upper
83 100
55 71.8 56.2 84.2
98 49.8 36.8 55.2



#40
Benzene
Concen: 47.437 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 78 Resp: 948743
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9





#41

Methacrylonitrile

Concen: 50.387 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 185348

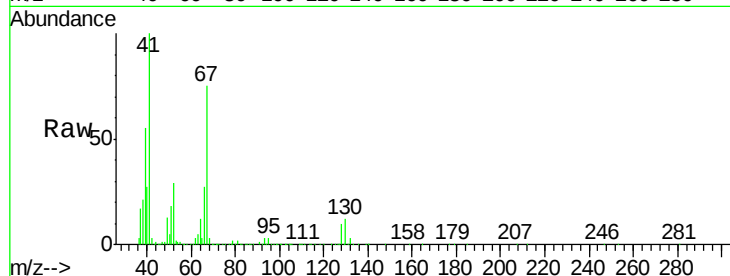
Ion Ratio Lower Upper

41 100

39 56.4 44.5 66.7

67 77.6 60.4 90.6

52 30.4 24.1 36.1

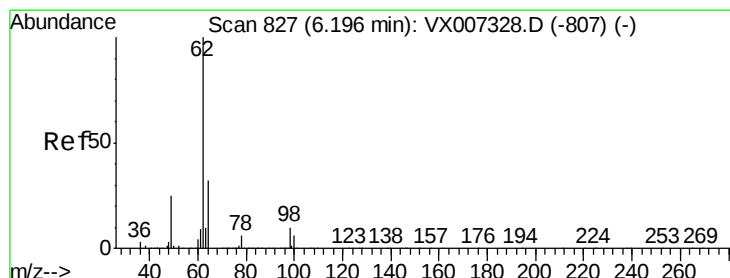
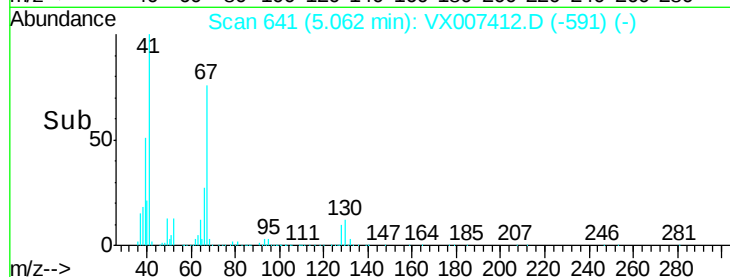
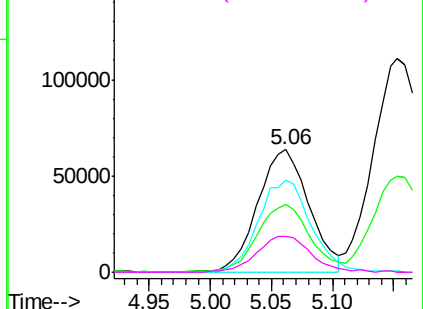


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.911 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007412.D

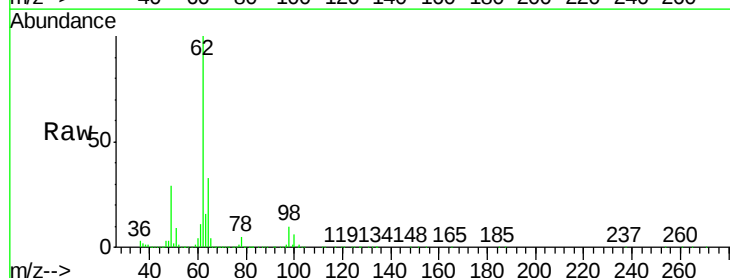
Acq: 06 Feb 2019 20:50

Tgt Ion: 62 Resp: 317702

Ion Ratio Lower Upper

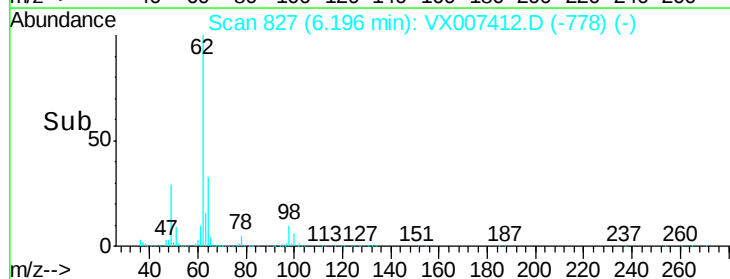
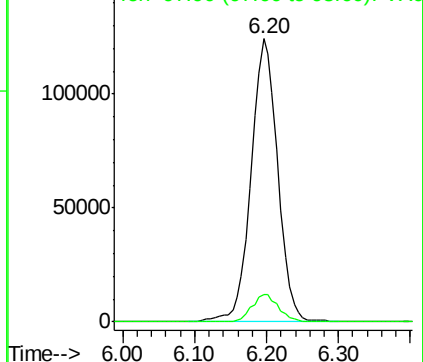
62 100

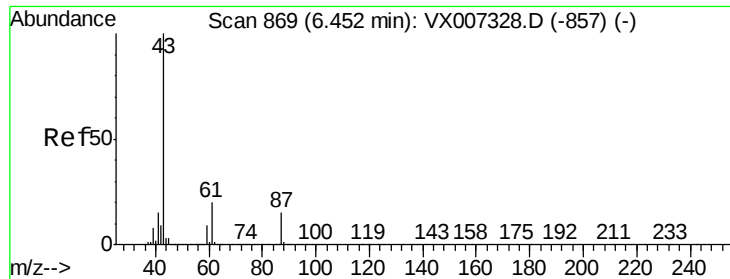
98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



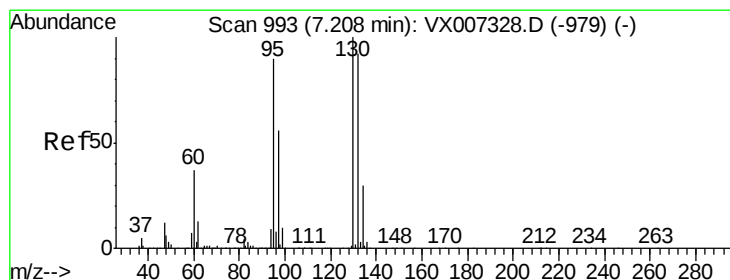
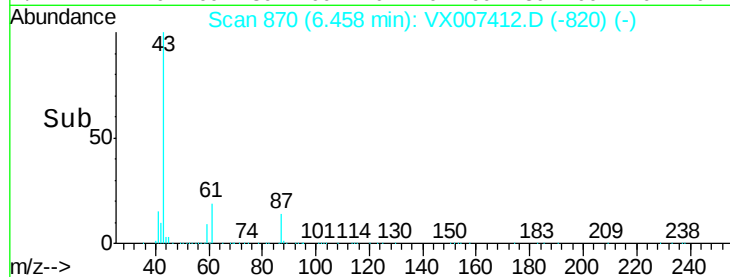
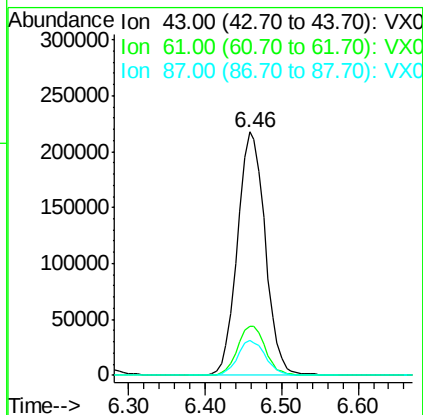
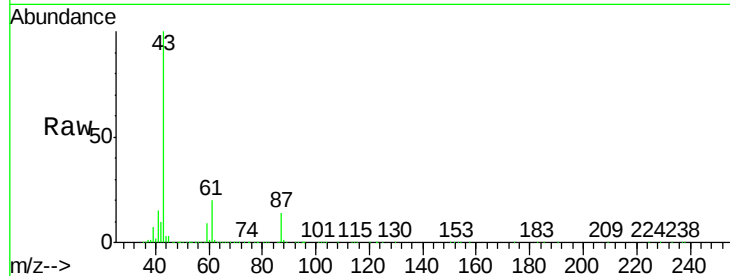


#43

Isopropyl Acetate
 Concen: 51.392 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

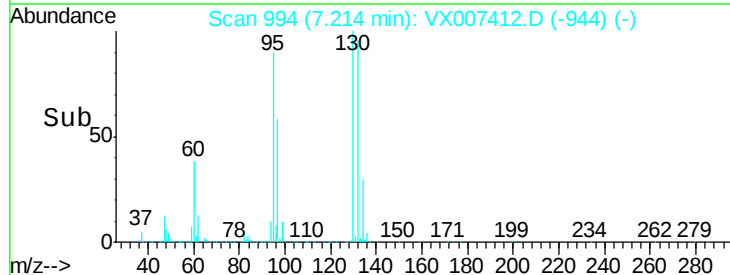
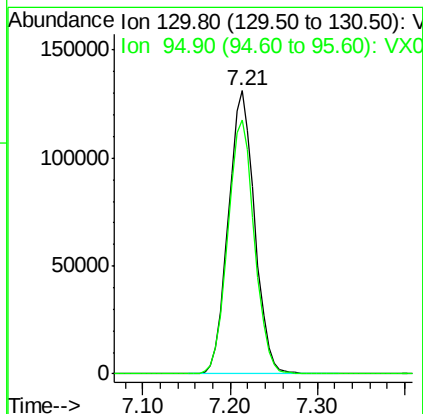
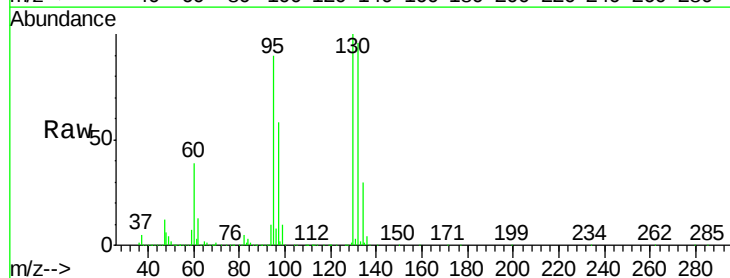
Tot Ion	43	Resp	544439
Ion Ratio	Lower	Upper	
43	100		
61	20.5	16.1	24.1
87	14.5	11.5	17.3

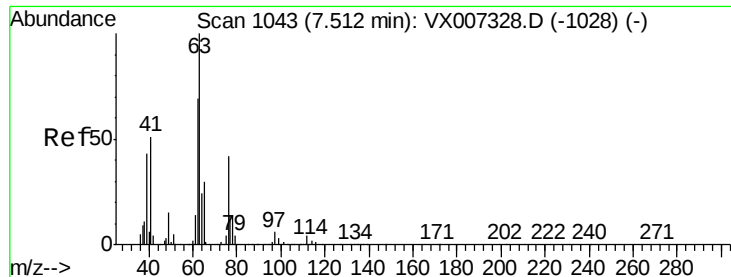


#44

Trichloroethene
 Concen: 45.600 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	130	Resp	274674
Ion Ratio	Lower	Upper	
130	100		
95	89.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 47.629 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

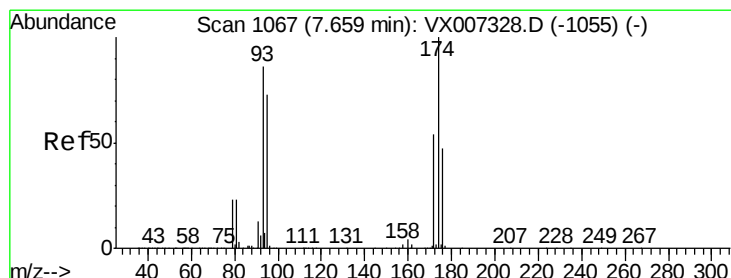
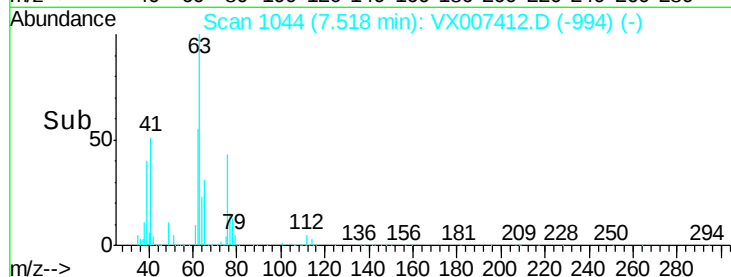
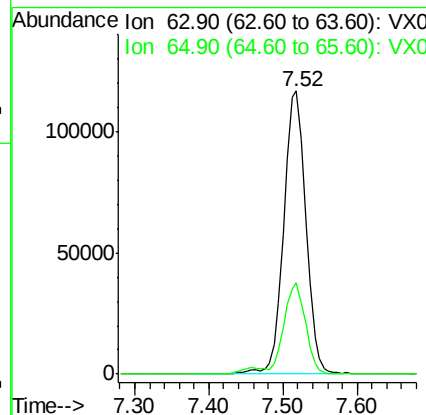
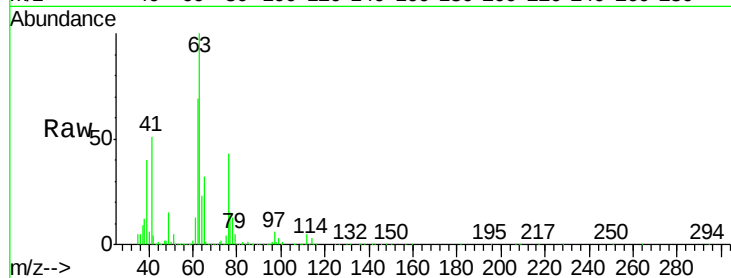
VSTDCCC050EC

Tot Ion: 63 Resp: 238673

Ion Ratio Lower Upper

63 100

65 32.3 24.2 36.2



#46

Dibromomethane

Concen: 45.895 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

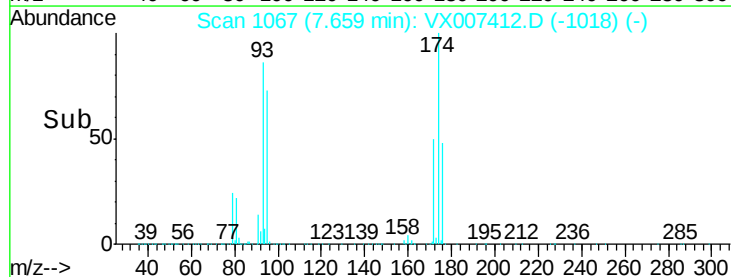
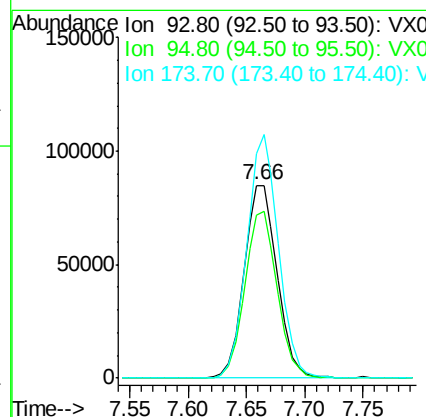
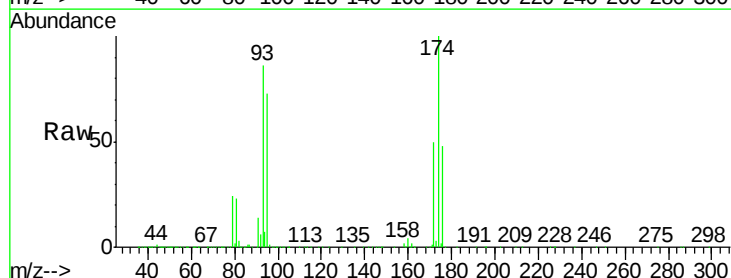
Tgt Ion: 93 Resp: 167155

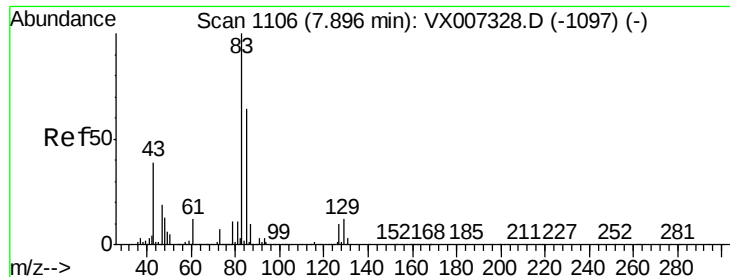
Ion Ratio Lower Upper

93 100

95 85.3 67.6 101.4

174 121.2 94.2 141.4





#47

Bromodichloromethane

Concen: 48.446 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

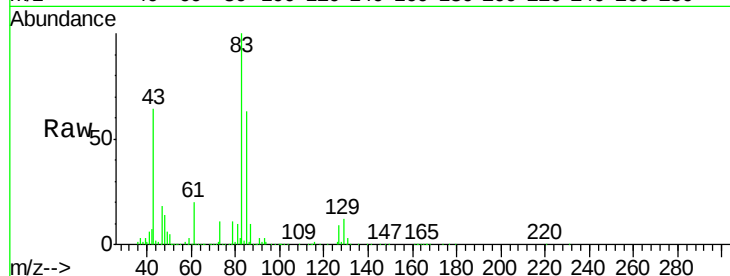
Tot Ion: 83 Resp: 299035

Ion Ratio Lower Upper

83 100

85 63.1 51.4 77.0

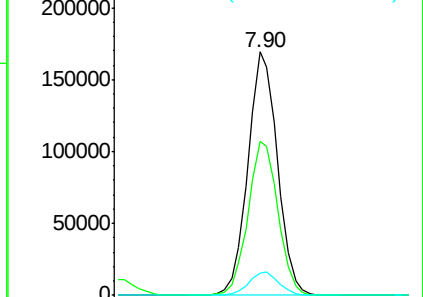
127 9.0 8.1 12.1



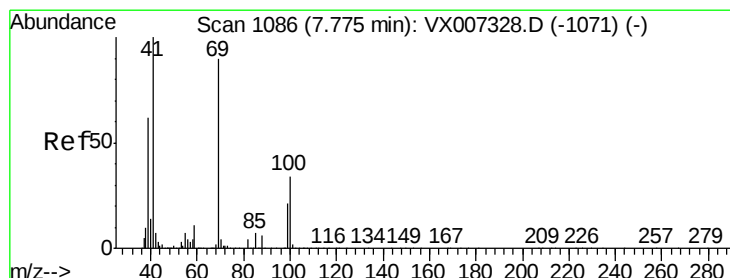
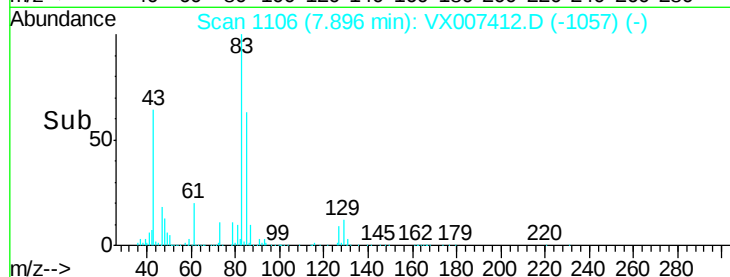
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 52.822 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

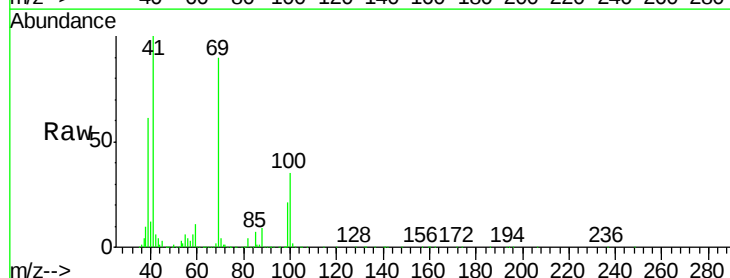
Tgt Ion: 41 Resp: 279901

Ion Ratio Lower Upper

41 100

69 87.7 70.2 105.4

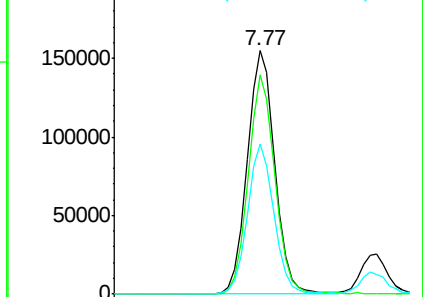
39 58.8 47.4 71.0



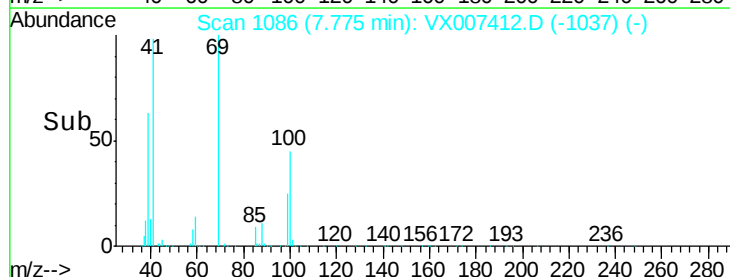
Abundance Ion 41.00 (40.70 to 41.70): VX0

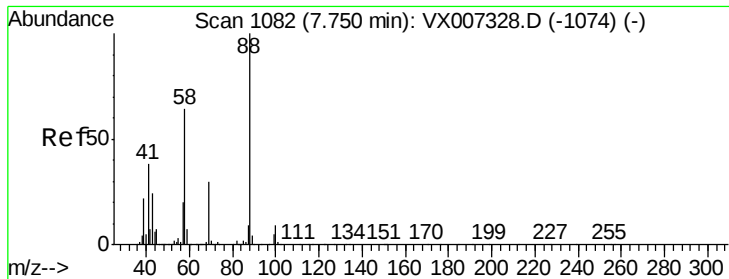
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->





#49

1,4-Dioxane

Concen: 1018.534 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

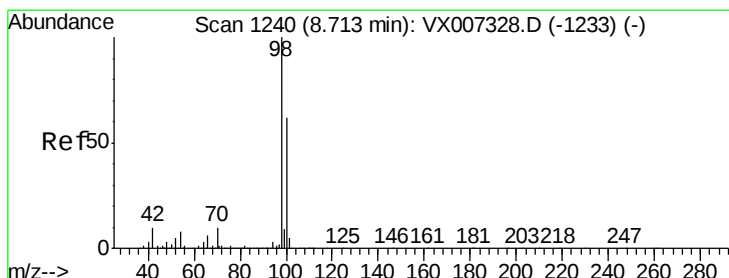
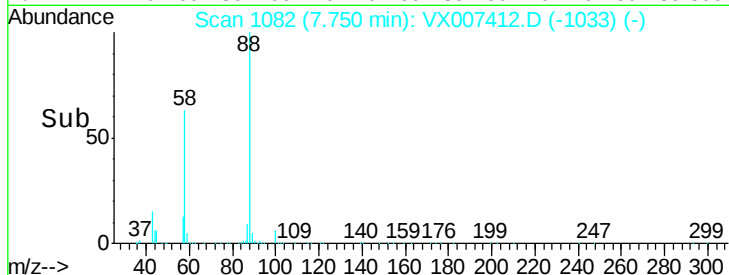
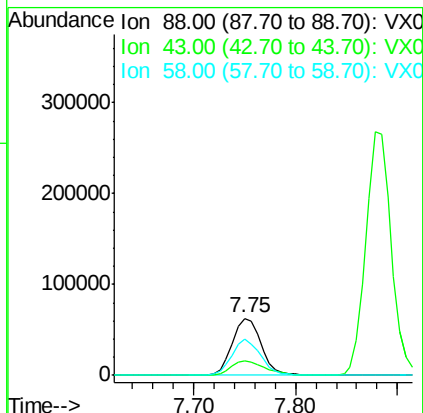
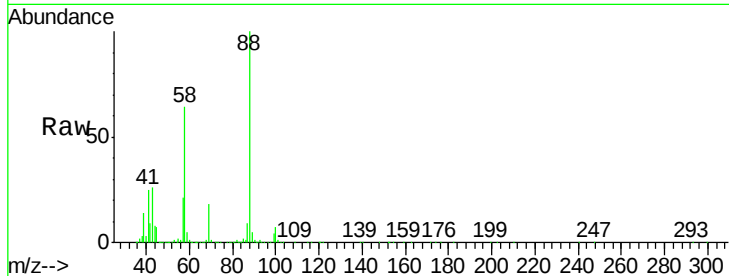
Tot Ion: 88 Resp: 122758

Ion Ratio Lower Upper

88 100

43 29.2 24.2 36.4

58 63.6 53.0 79.4



#50

Toluene-d8

Concen: 47.862 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007412.D

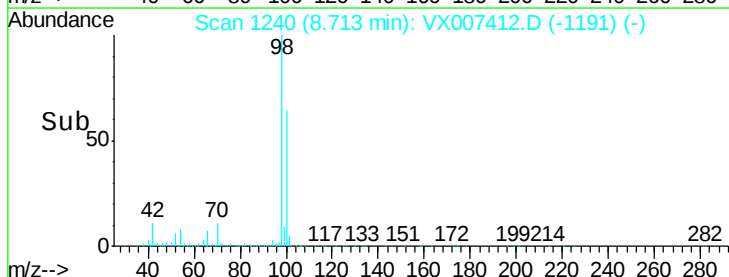
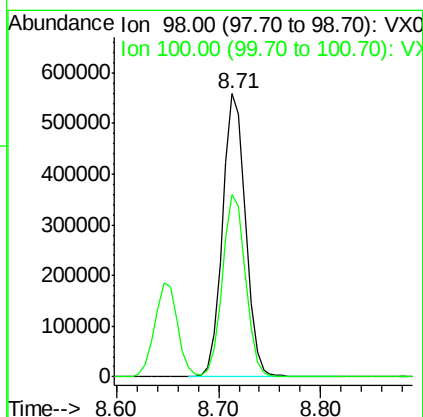
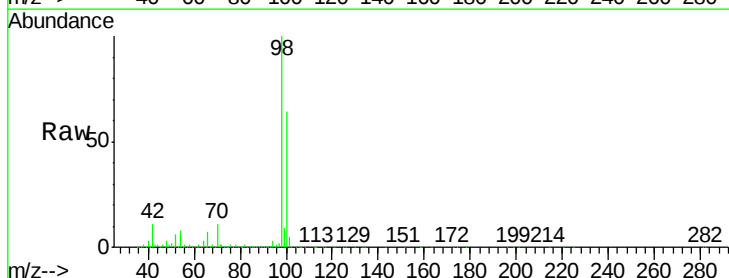
Acq: 06 Feb 2019 20:50

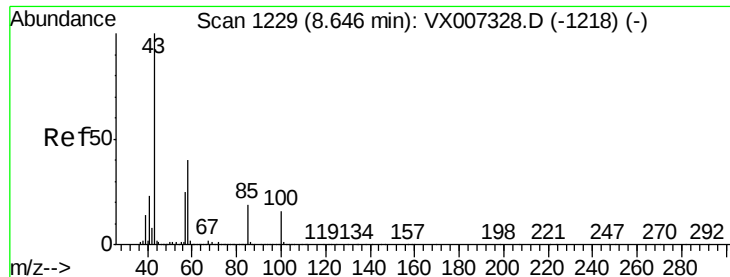
Tgt Ion: 98 Resp: 874340

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 254.615 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

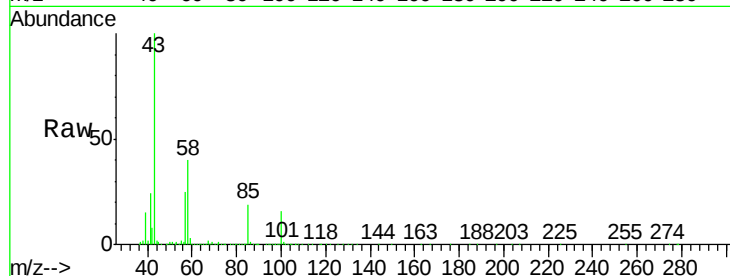
VSTDCCC050EC

Tot Ion: 43 Resp: 1775680

Ion Ratio Lower Upper

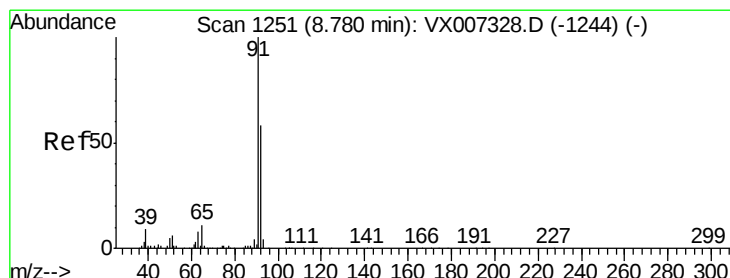
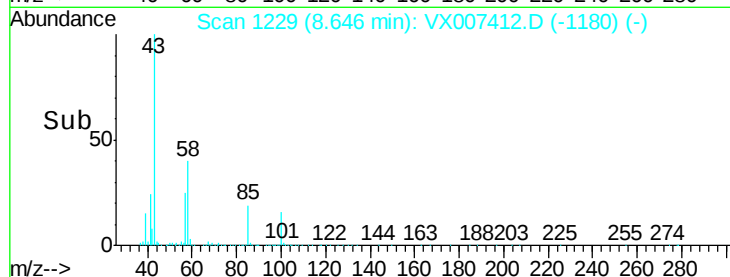
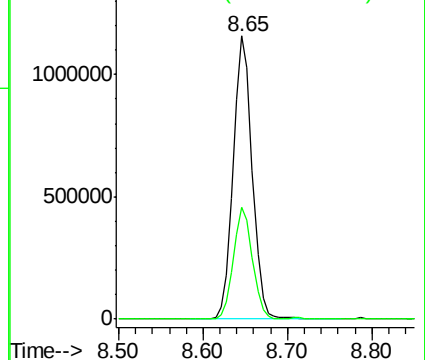
43 100

58 39.4 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.003 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007412.D

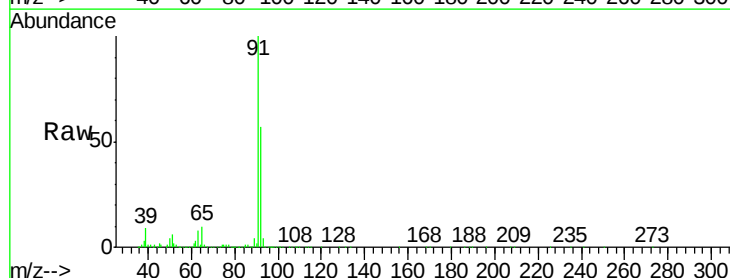
Acq: 06 Feb 2019 20:50

Tgt Ion: 92 Resp: 606518

Ion Ratio Lower Upper

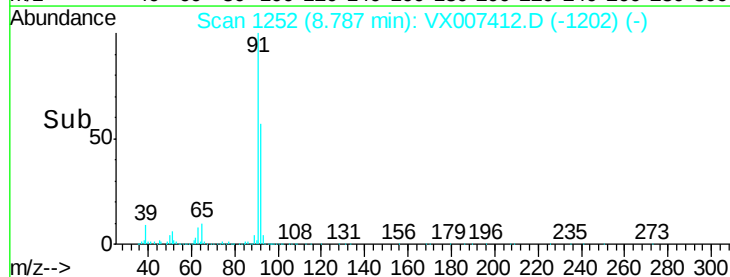
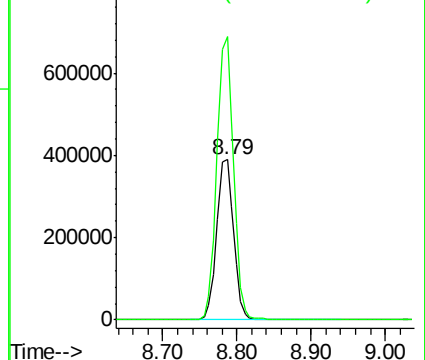
92 100

91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

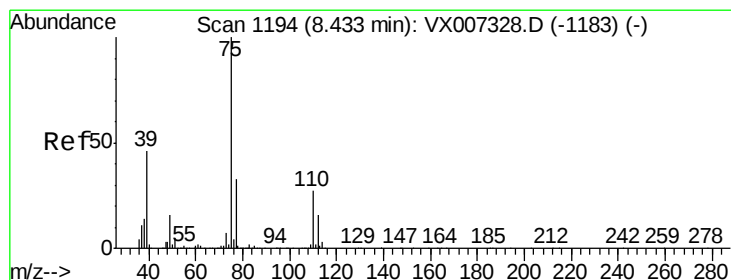
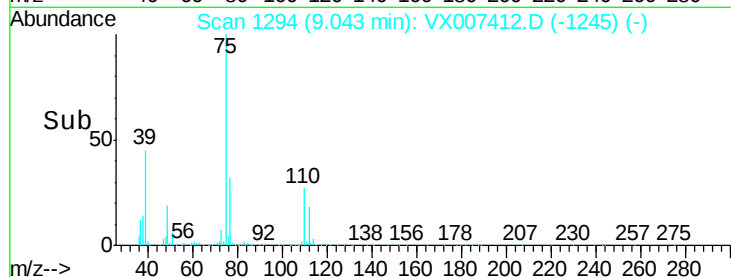
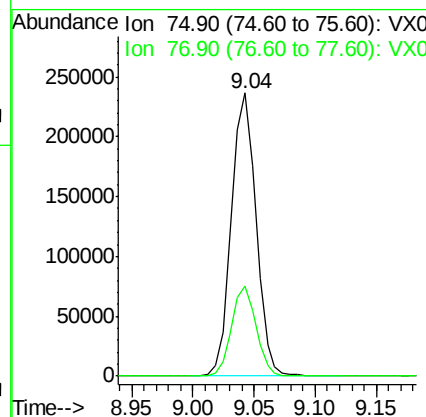
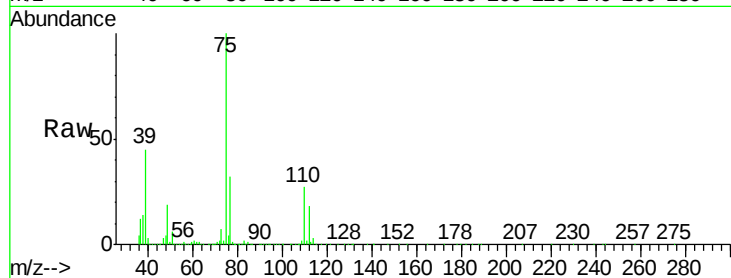




#53
 t-1,3-Dichloropropene
 Concen: 49.695 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

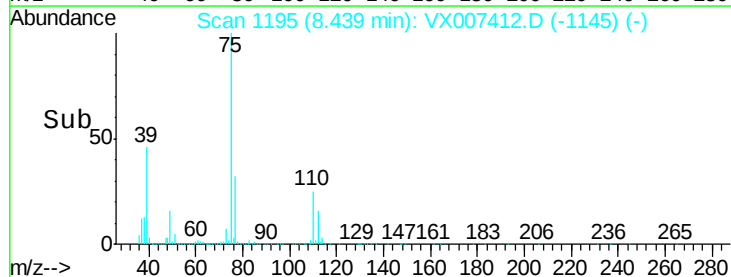
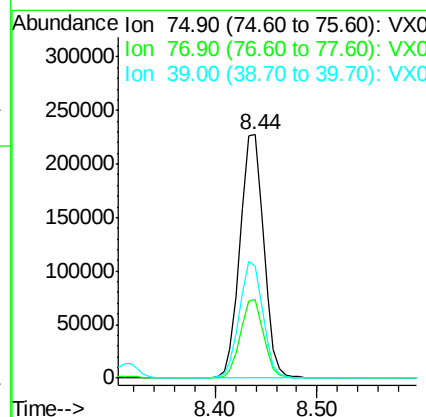
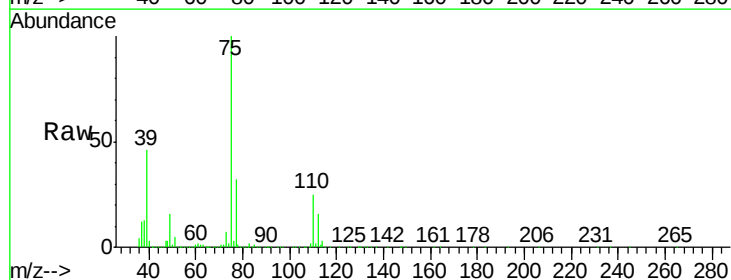
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

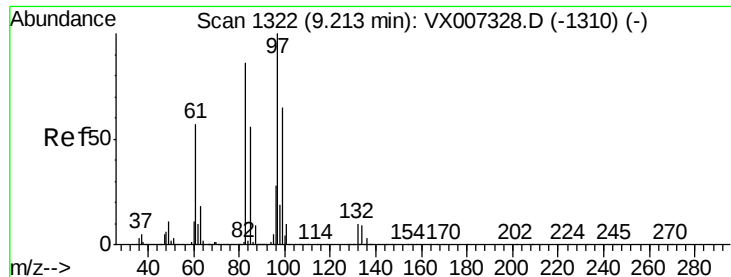
Tot Ion: 75 Resp: 329491
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.051 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion: 75 Resp: 364937
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4
 39 45.7 37.1 55.7

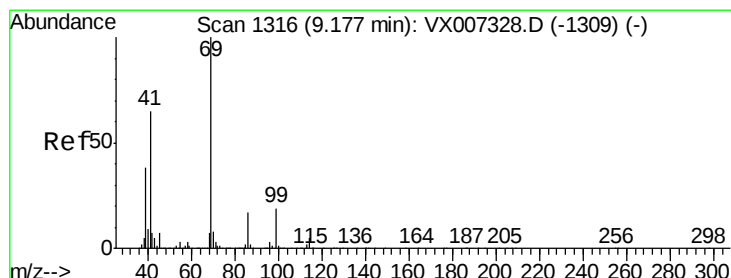
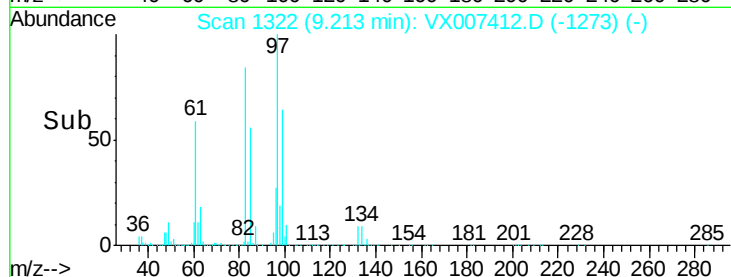
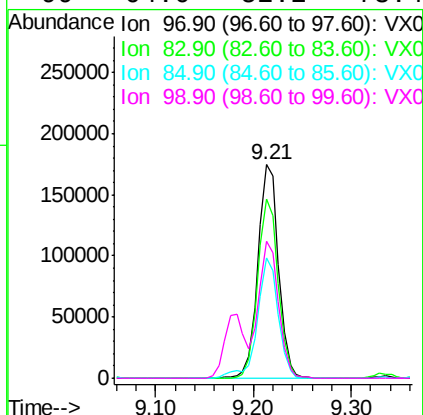
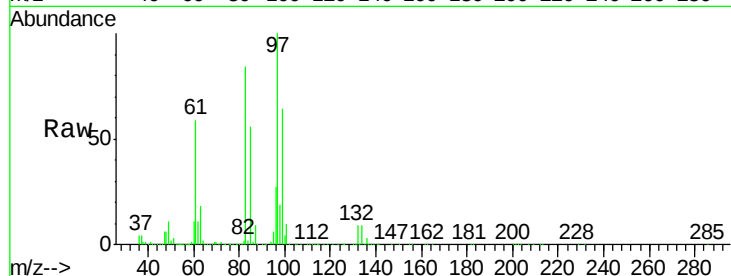




#55
 1,1,2-Trichloroethane
 Concen: 47.523 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

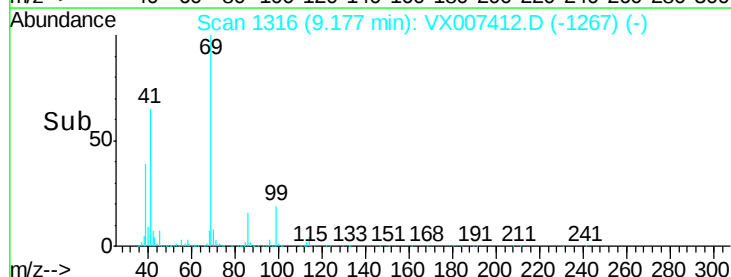
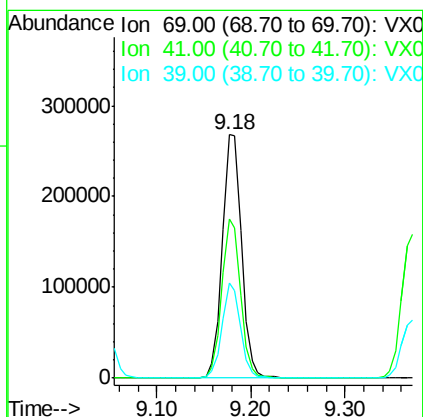
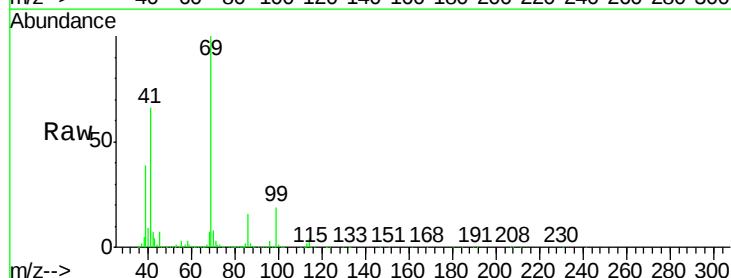
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	255621
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.6	102.8
85	56.3	44.5	66.7
99	64.0	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 51.008 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion:	69	Resp:	380002
Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.1	78.1
39	36.8	30.1	45.1





#57

1,3-Dichloropropane

Concen: 47.975 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

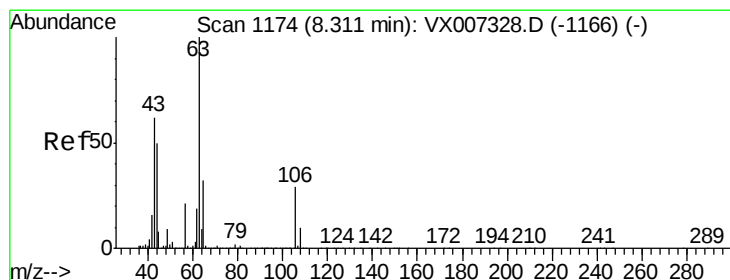
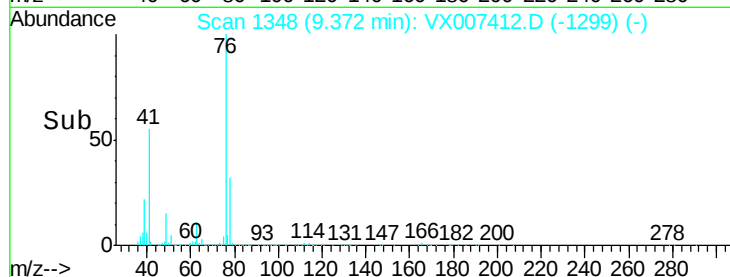
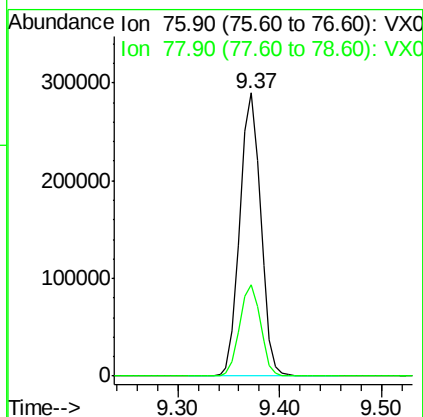
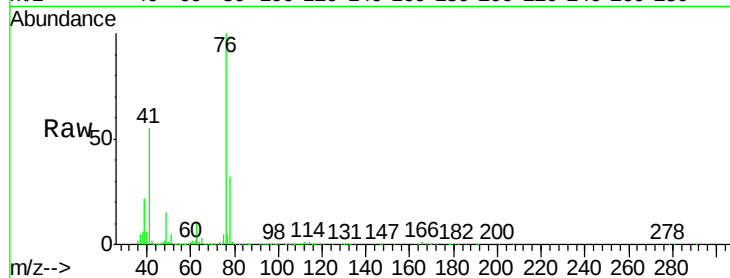
VSTDCCC050EC

Tot Ion: 76 Resp: 410382

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 254.797 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007412.D

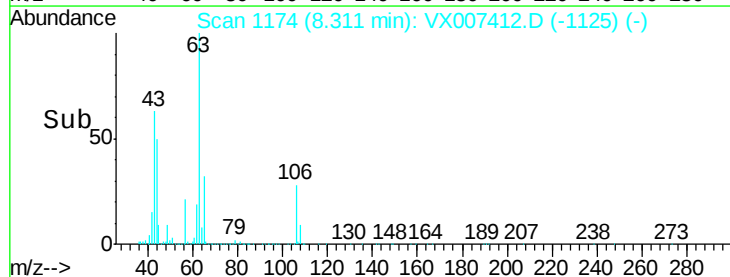
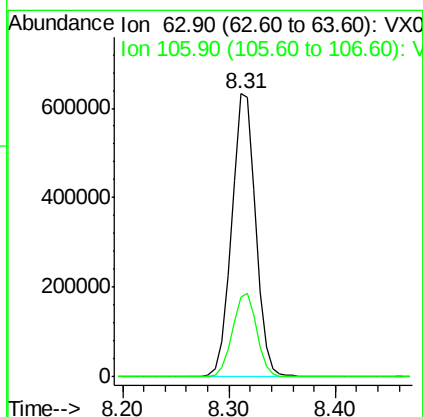
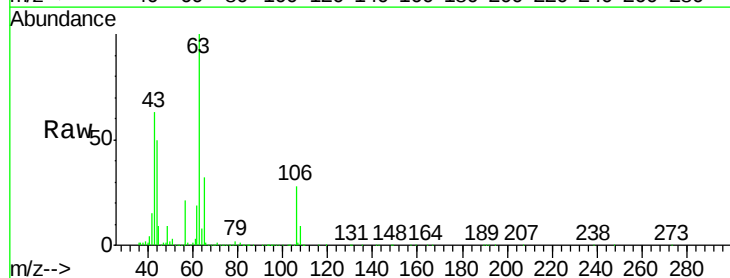
Acq: 06 Feb 2019 20:50

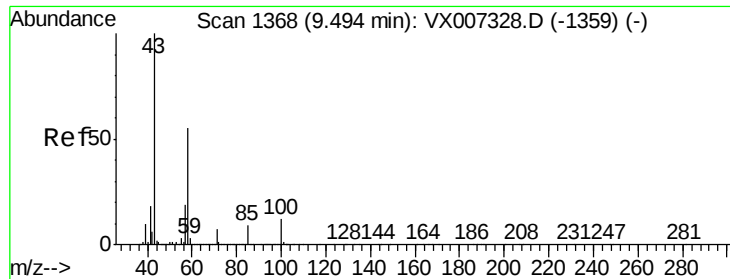
Tgt Ion: 63 Resp: 1000504

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4

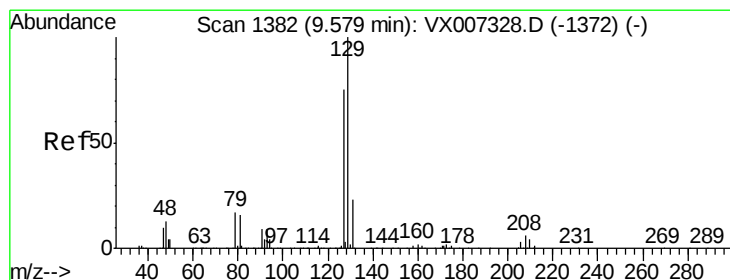
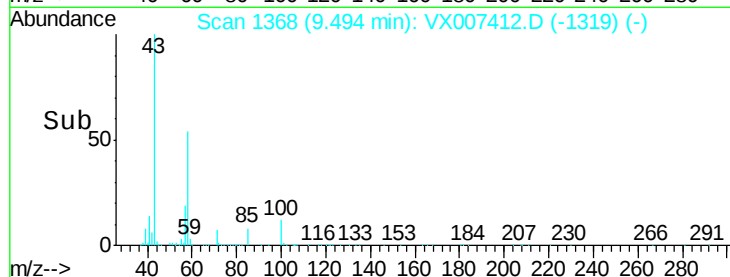
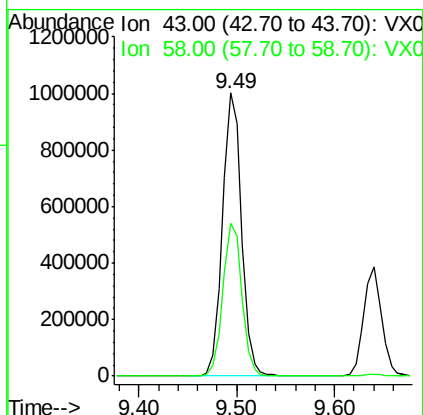
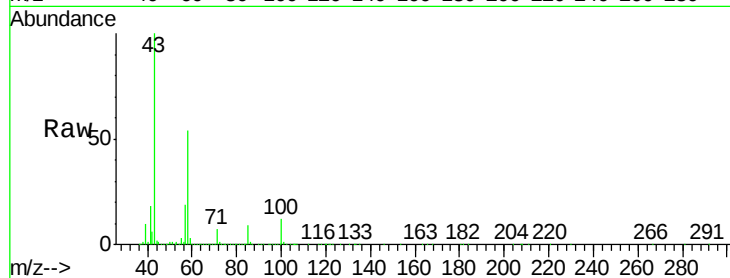




#59
2-Hexanone
Concen: 249.312 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

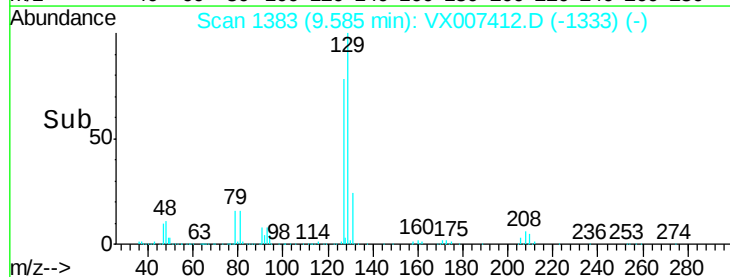
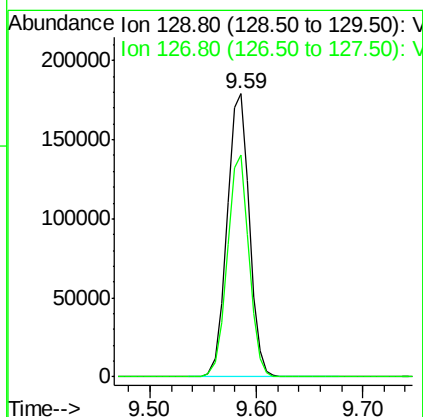
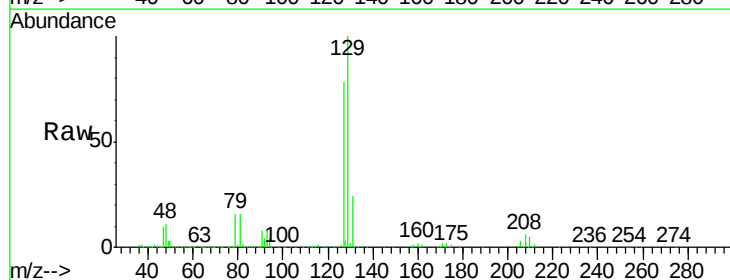
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

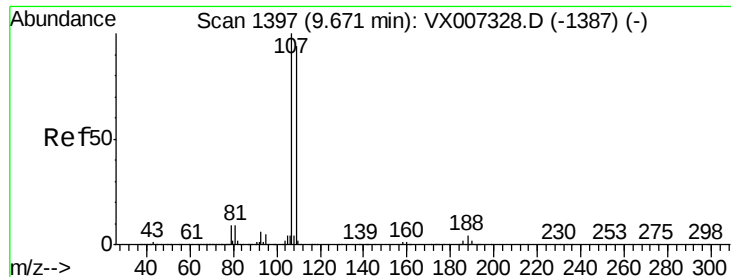
Tot Ion: 43 Resp: 1352998
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3



#60
Dibromochloromethane
Concen: 51.565 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 129 Resp: 262320
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.044 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

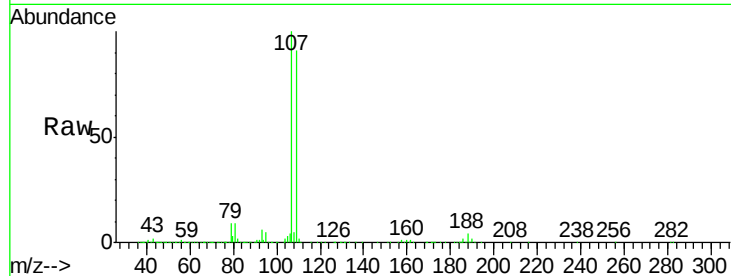
VSTDCCC050EC

Tot Ion:107 Resp: 279372

Ion Ratio Lower Upper

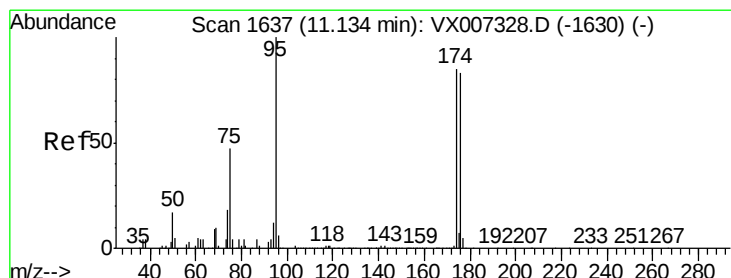
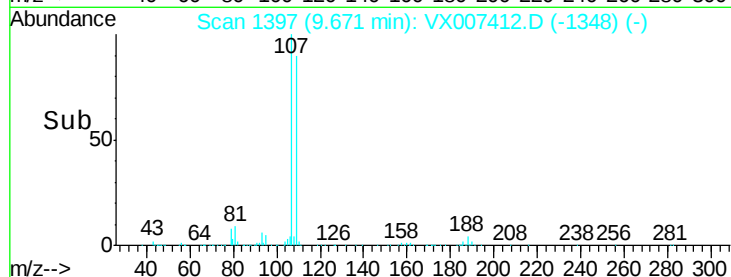
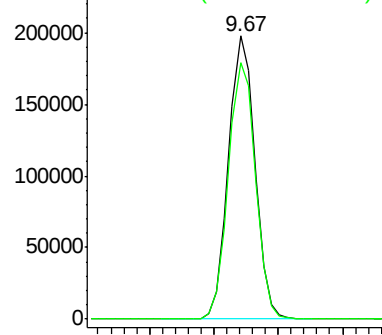
107 100

109 93.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.019 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

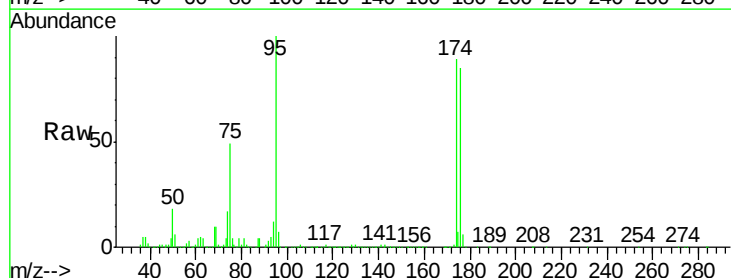
Tgt Ion: 95 Resp: 313596

Ion Ratio Lower Upper

95 100

174 94.7 0.0 189.2

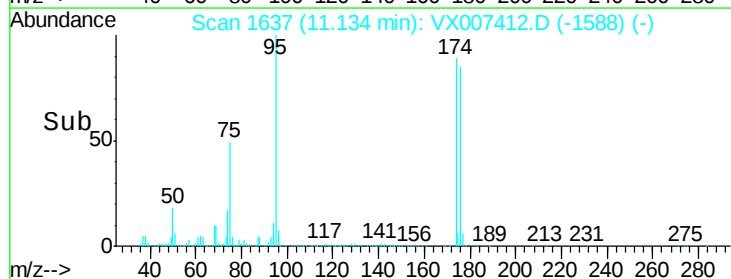
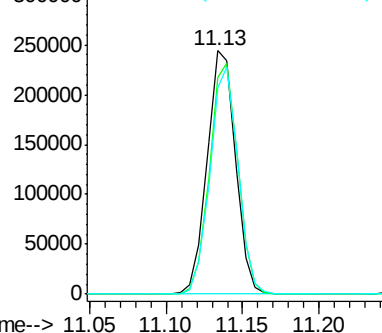
176 92.1 0.0 186.2

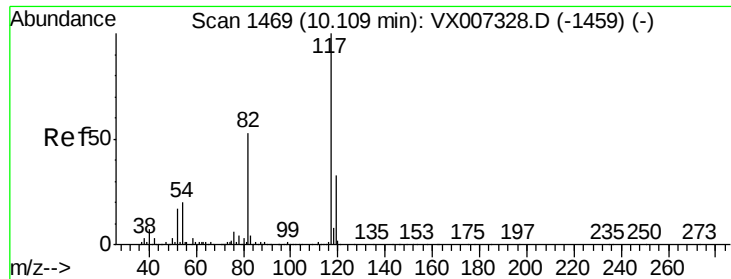


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

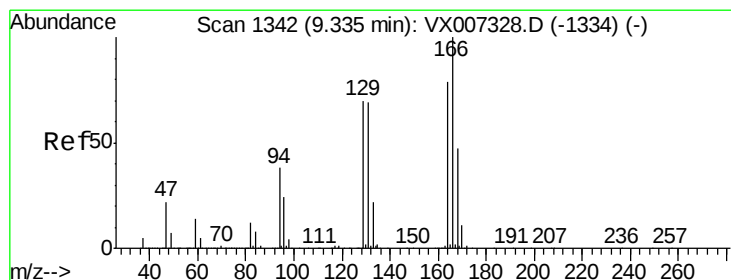
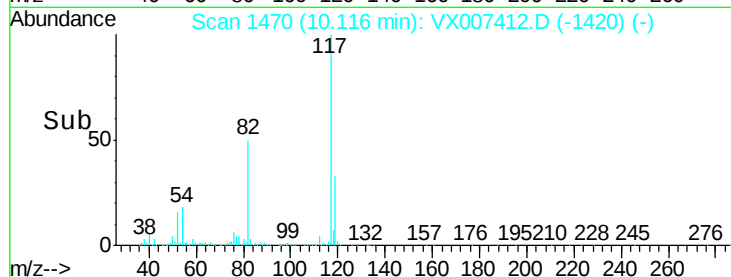
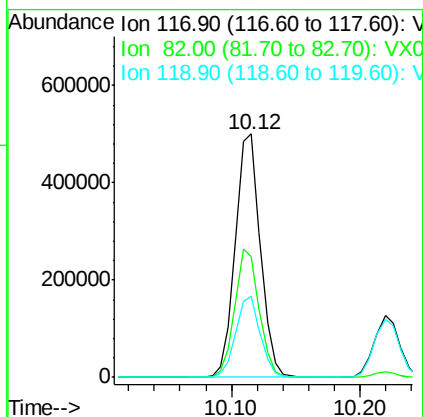
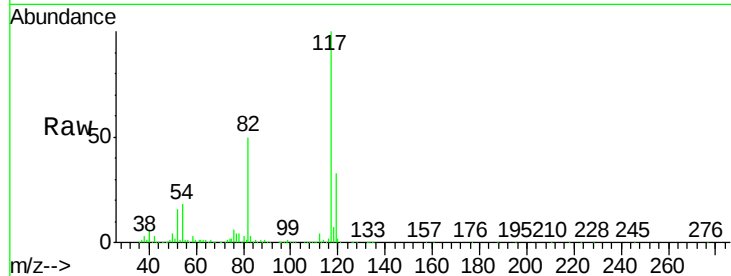




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

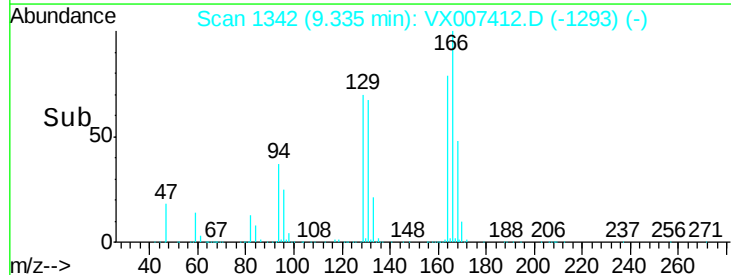
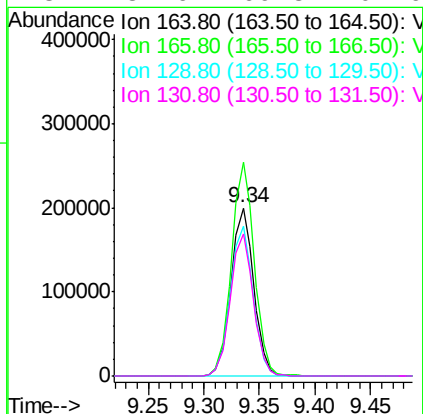
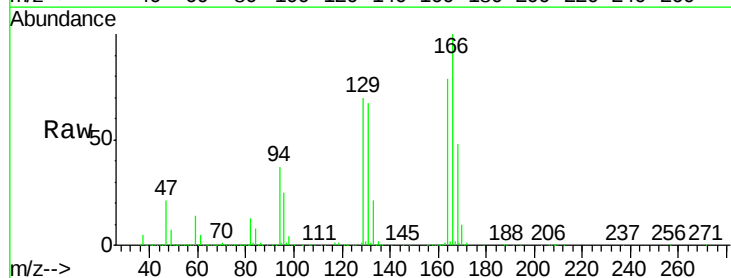
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 680488
Ion Ratio Lower Upper
117 100
82 49.8 42.1 63.1
119 33.3 26.5 39.7



#64
Tetrachloroethene
Concen: 44.029 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion:164 Resp: 282393
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.4
129 89.1 70.5 105.7
131 84.6 69.8 104.6





#65

Chlorobenzene

Concen: 47.106 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

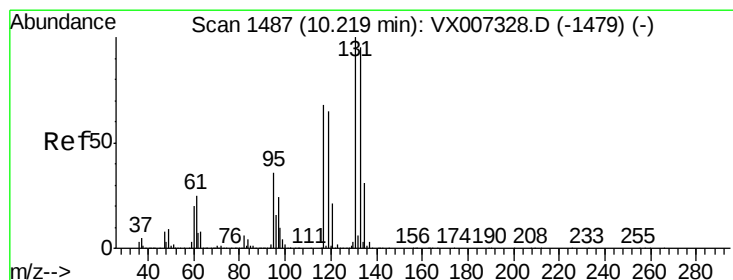
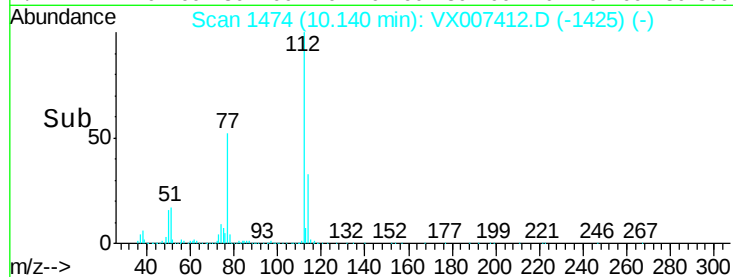
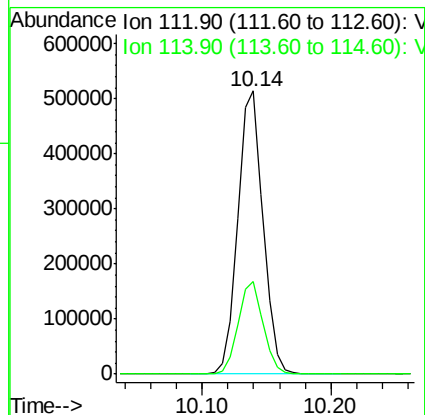
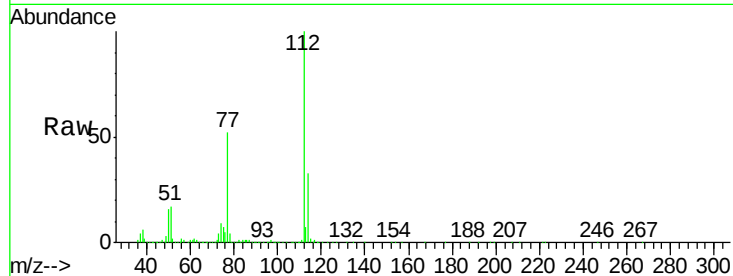
VSTDCCC050EC

Tot Ion:112 Resp: 699503

Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 50.867 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

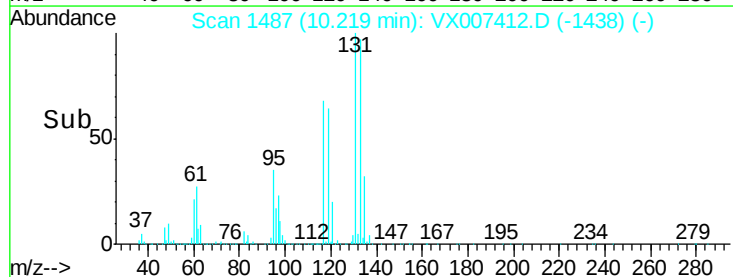
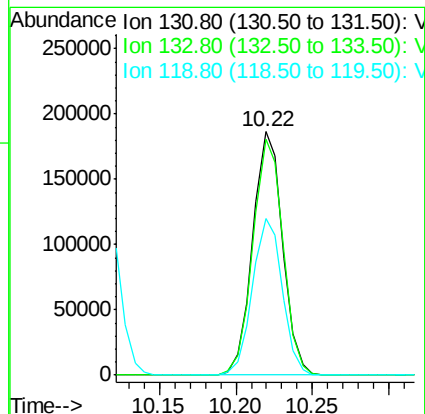
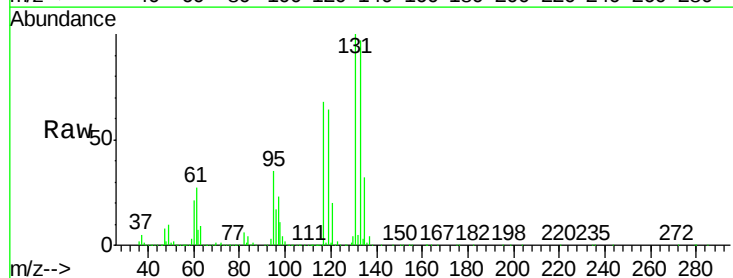
Tgt Ion:131 Resp: 253249

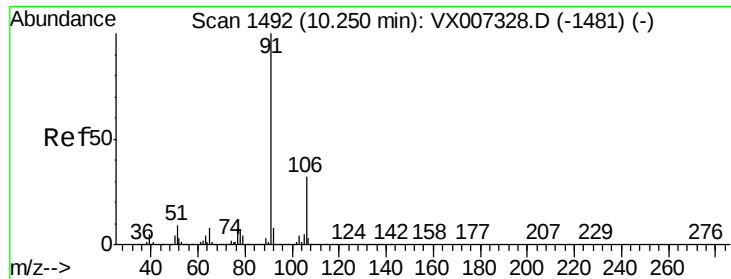
Ion Ratio Lower Upper

131 100

133 97.5 48.0 144.2

119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 48.588 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

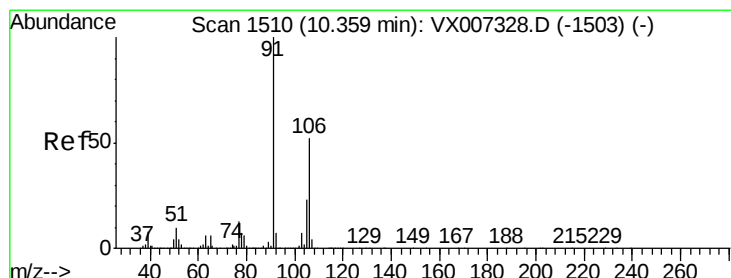
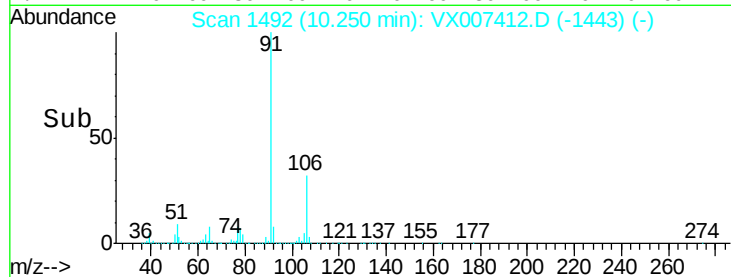
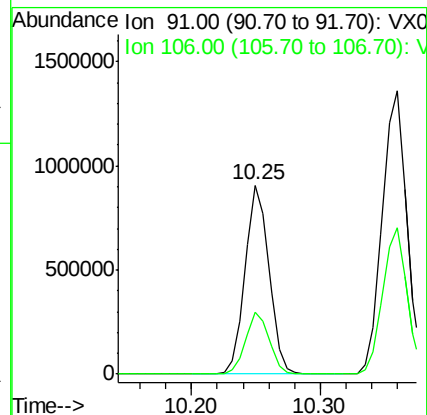
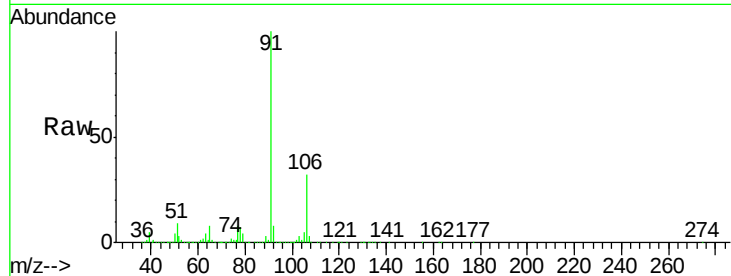
VSTDCCC050EC

Tot Ion: 91 Resp: 1161902

Ion Ratio Lower Upper

91 100

106 32.4 25.4 38.0



#68

m/p-Xylenes

Concen: 95.999 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007412.D

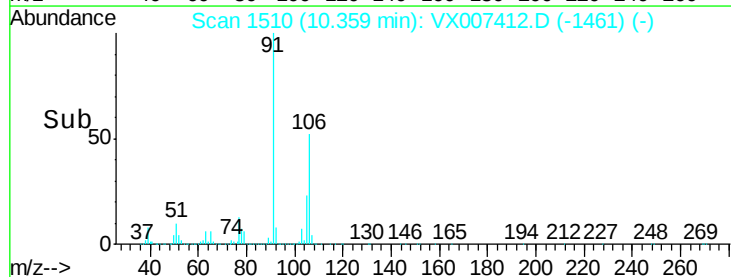
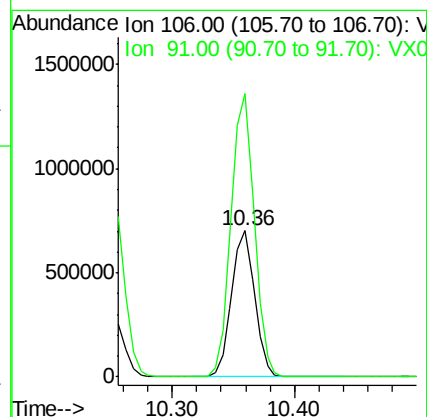
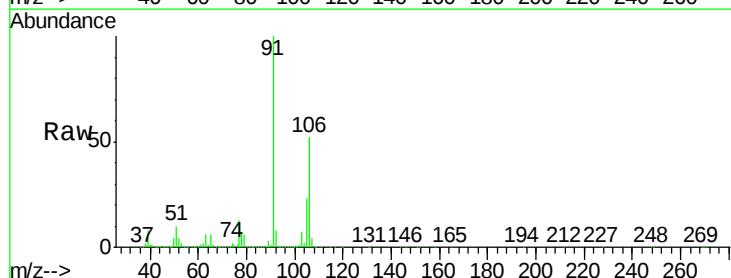
Acq: 06 Feb 2019 20:50

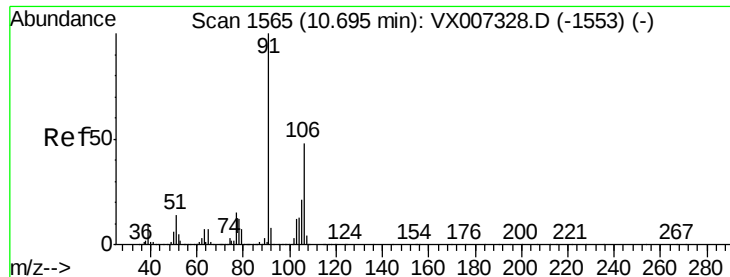
Tgt Ion: 106 Resp: 912552

Ion Ratio Lower Upper

106 100

91 195.6 156.6 234.8

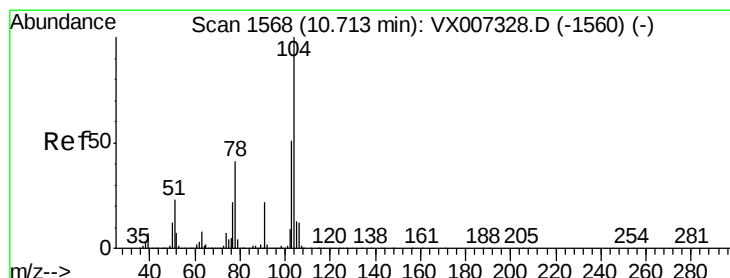
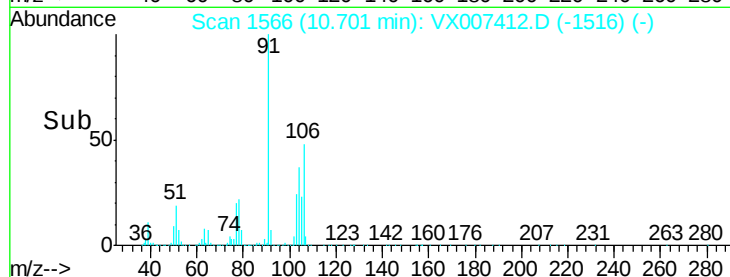
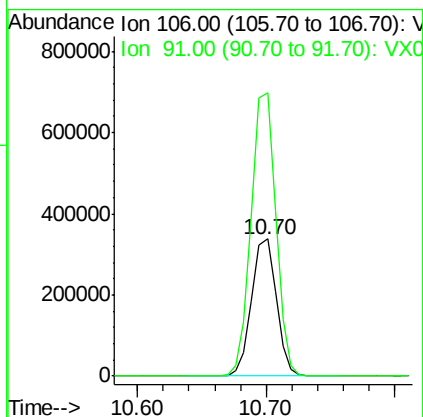
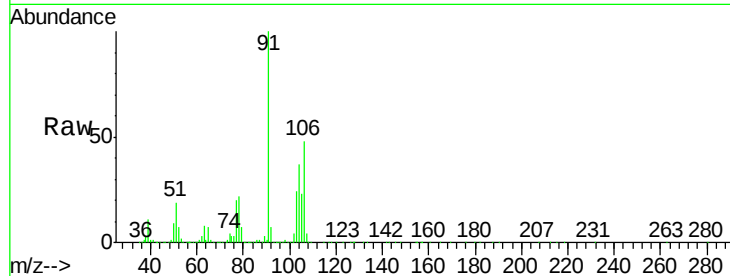




#69
o-Xylene
Concen: 48.855 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

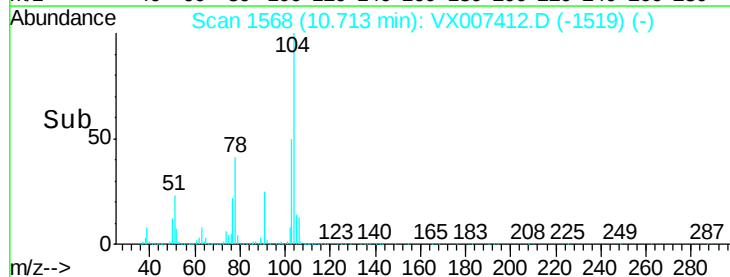
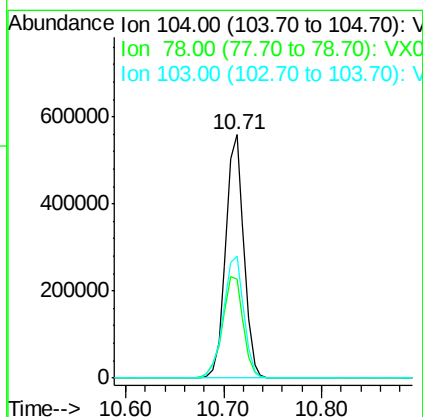
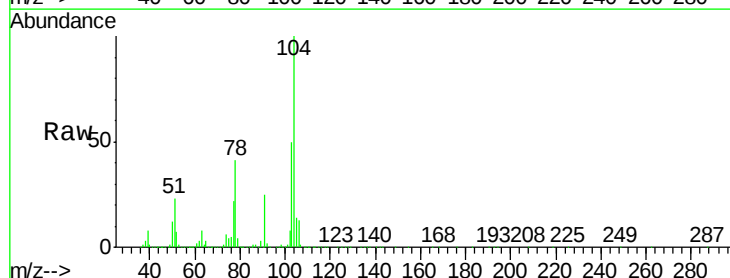
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

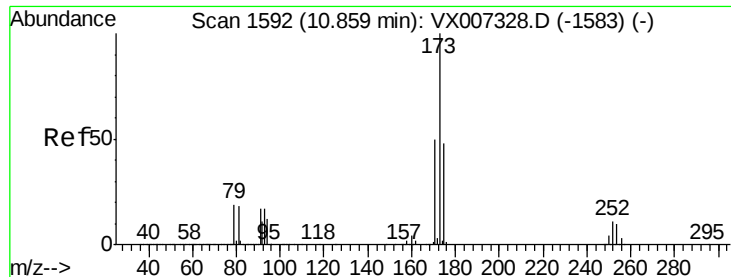
Tot Ion:106 Resp: 446882
Ion Ratio Lower Upper
106 100
91 206.6 102.9 308.7



#70
Styrene
Concen: 48.517 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion:104 Resp: 719724
Ion Ratio Lower Upper
104 100
78 47.6 38.3 57.5
103 56.2 44.6 67.0





#71

Bromoform

Concen: 45.618 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

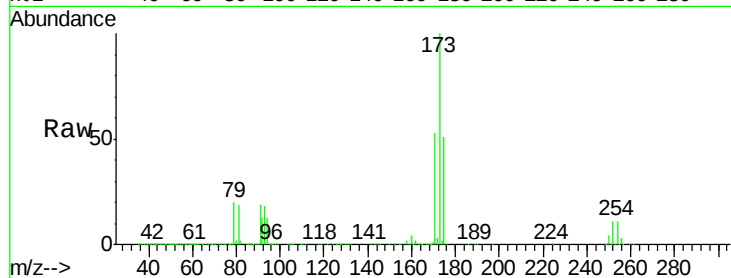
Tot Ion:173 Resp: 197521

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

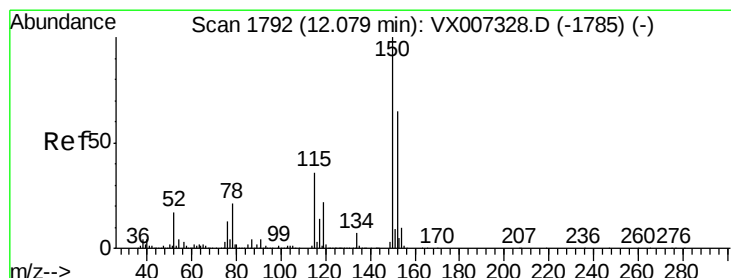
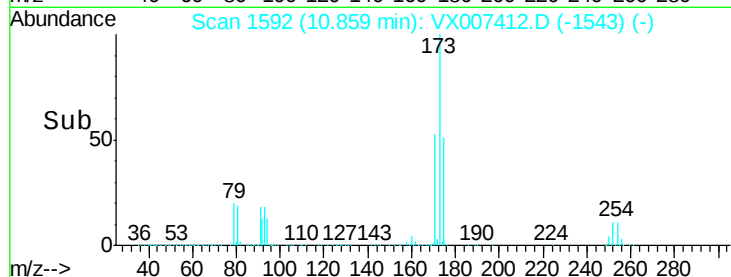
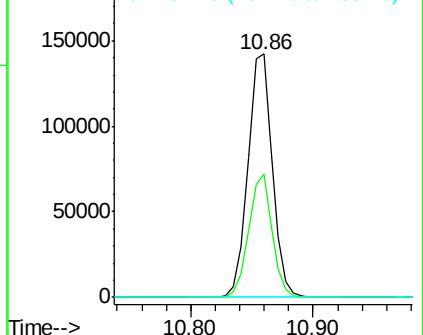
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

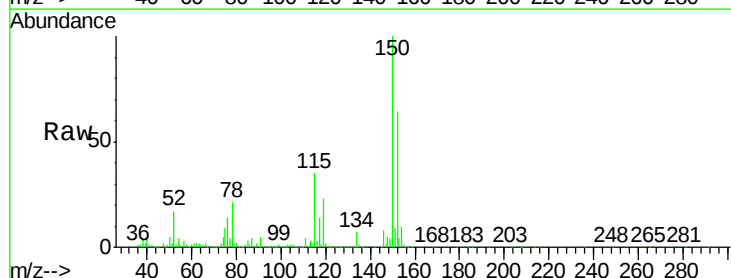
Tgt Ion:152 Resp: 353599

Ion Ratio Lower Upper

152 100

115 75.5 38.0 114.0

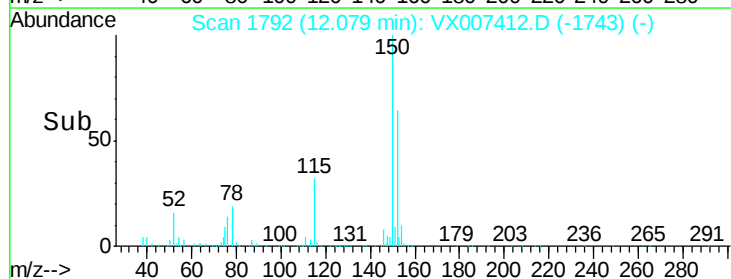
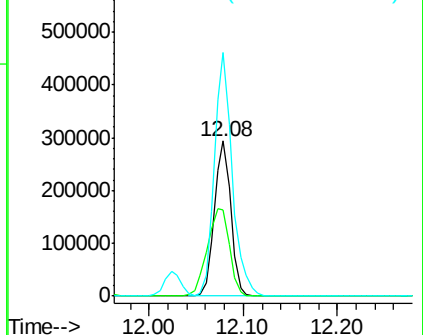
150 171.4 0.0 346.4

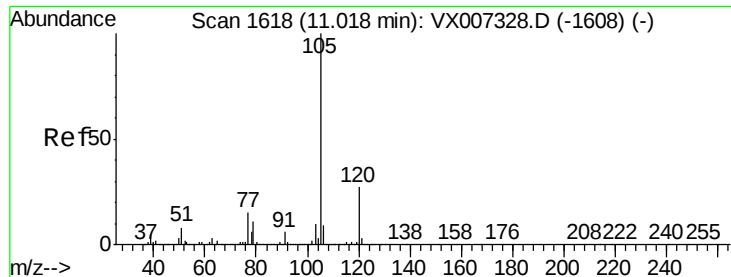


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

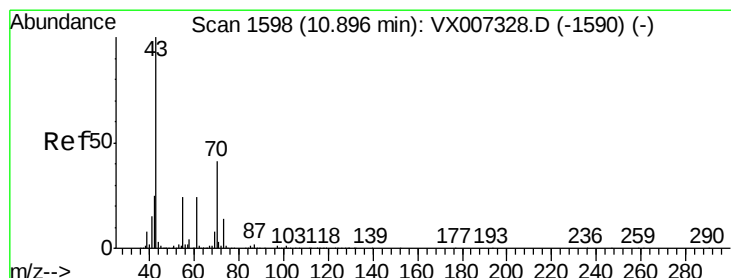
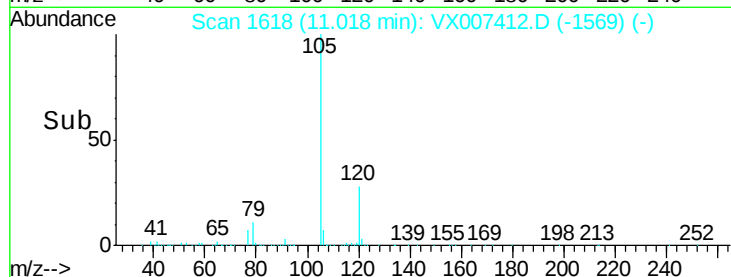
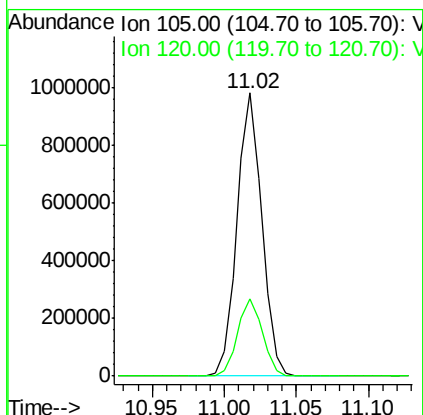
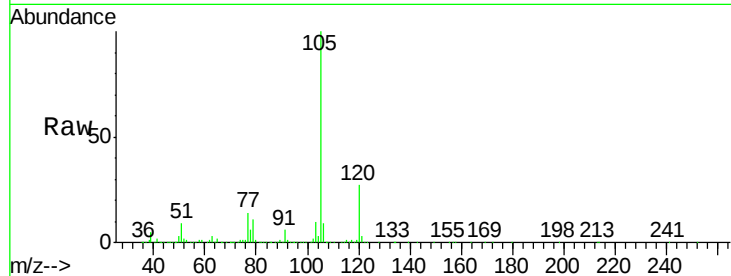




#73
Isopropylbenzene
Concen: 49.022 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

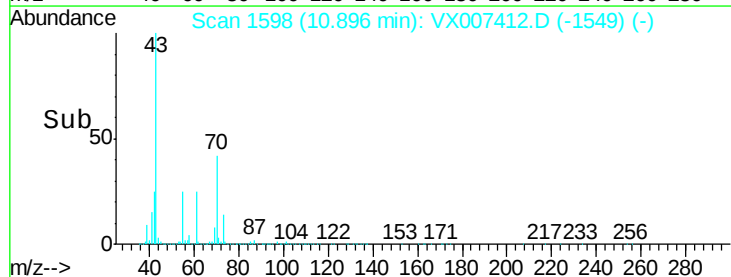
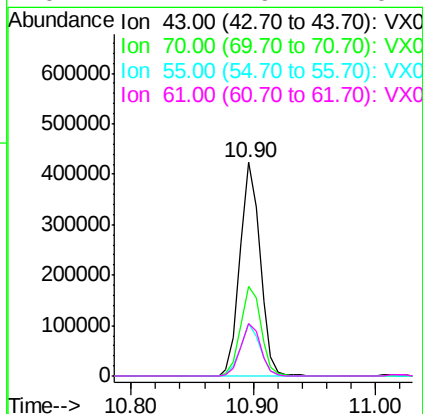
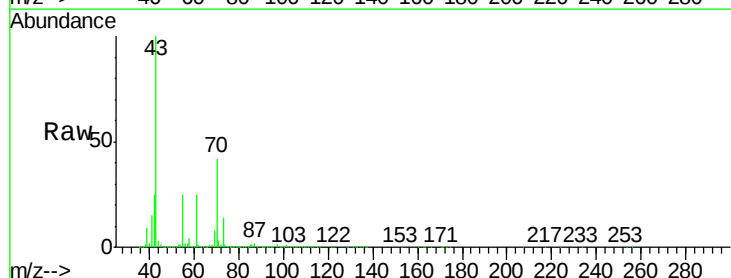
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

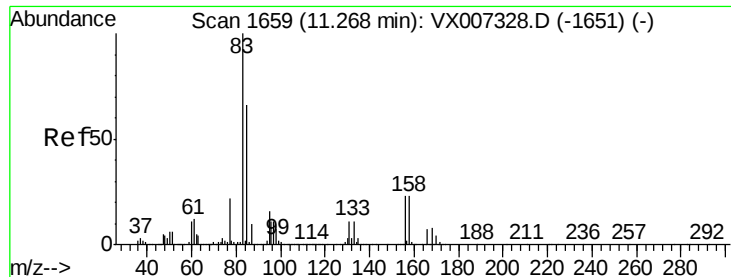
Tot Ion:105 Resp: 1177940
Ion Ratio Lower Upper
105 100
120 27.6 13.6 40.7



#74
N-ethyl acetate
Concen: 51.625 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 43 Resp: 479805
Ion Ratio Lower Upper
43 100
70 43.0 33.8 50.6
55 24.2 19.5 29.3
61 24.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.436 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

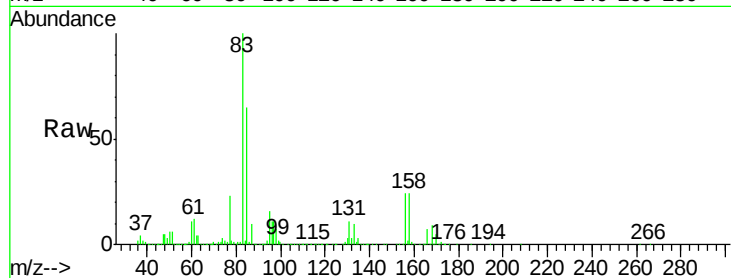
Tot Ion: 83 Resp: 369344

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

85 65.0 32.8 98.3



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

11.27

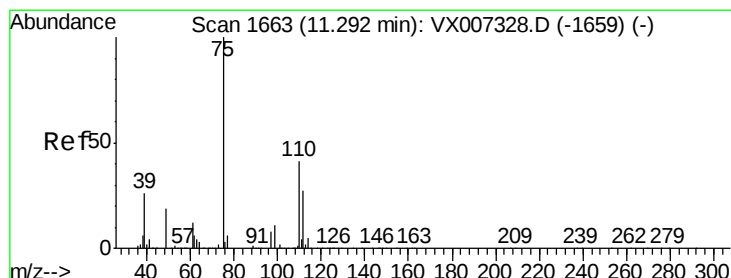
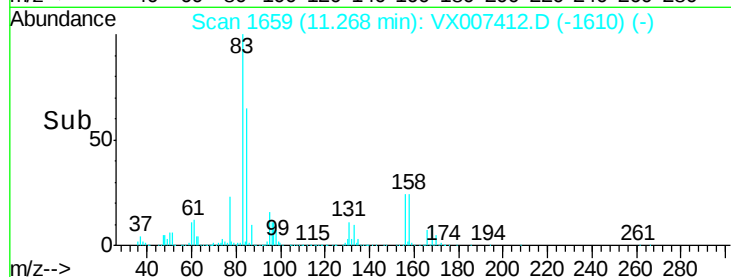
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 61.473 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007412.D

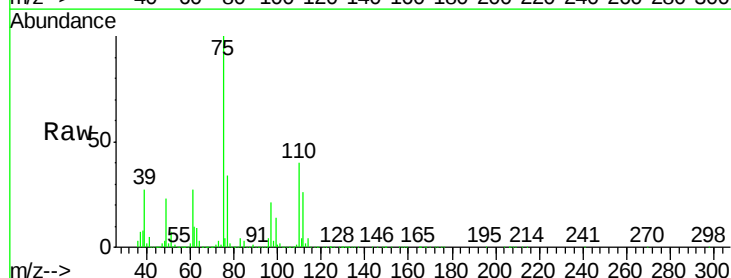
Acq: 06 Feb 2019 20:50

Tgt Ion: 75 Resp: 422805

Ion Ratio Lower Upper

75 100

77 30.8 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

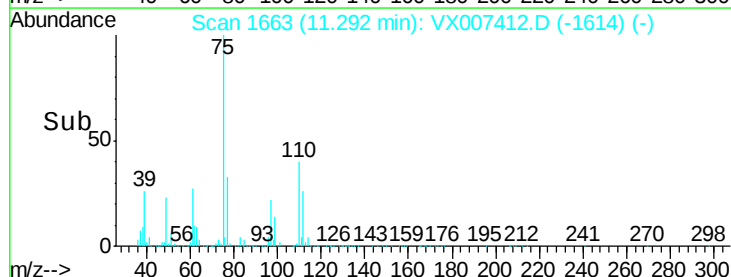
300000

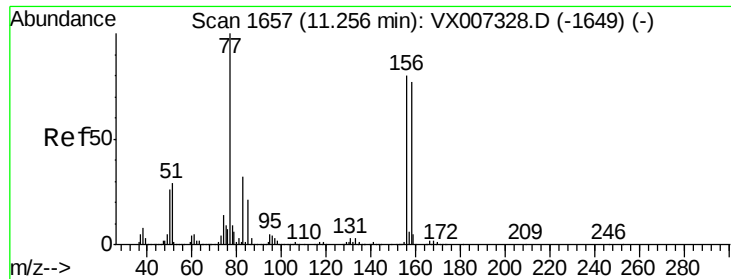
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 46.966 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

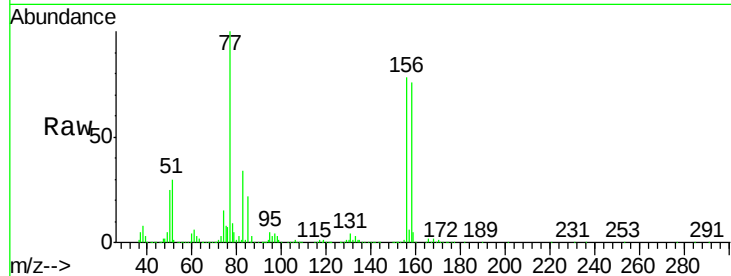
Tot Ion:156 Resp: 317973

Ion Ratio Lower Upper

156 100

77 137.5 66.8 200.6

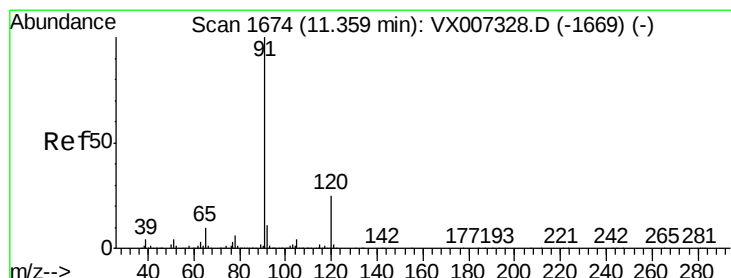
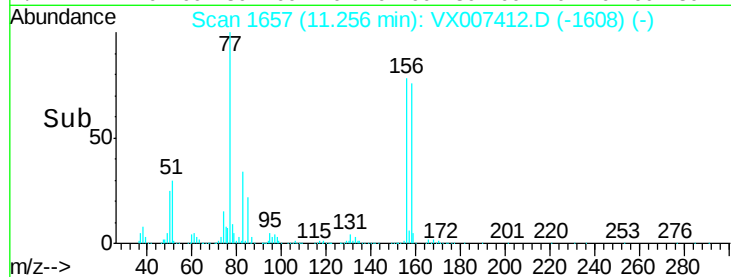
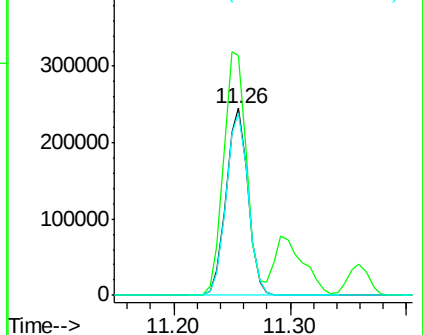
158 98.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.769 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007412.D

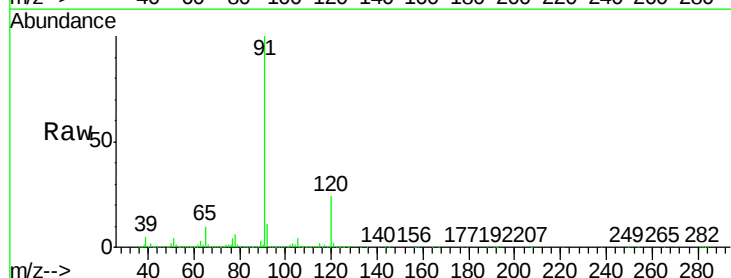
Acq: 06 Feb 2019 20:50

Tgt Ion: 91 Resp: 1311376

Ion Ratio Lower Upper

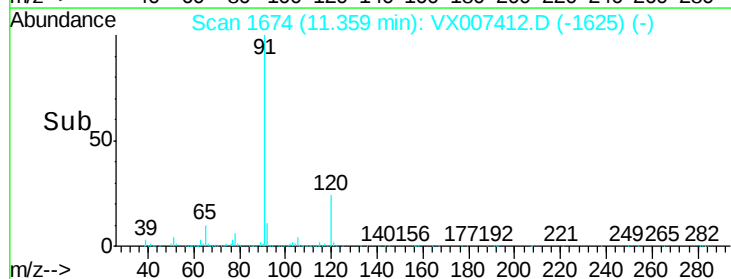
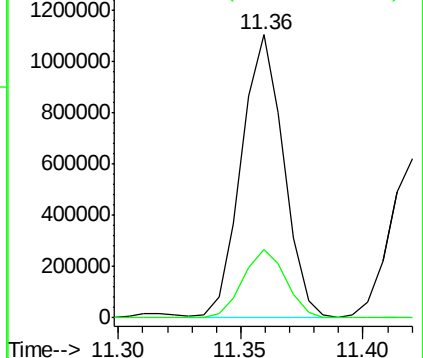
91 100

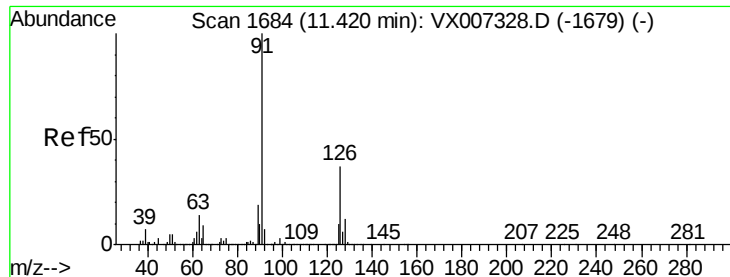
120 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

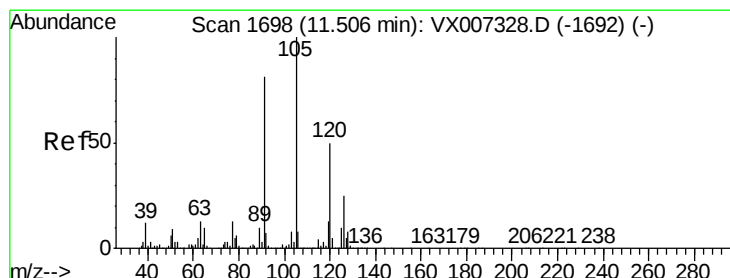
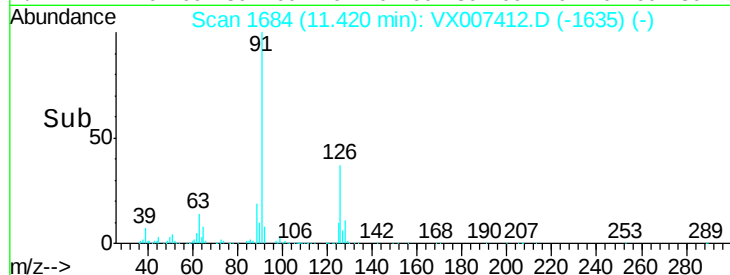
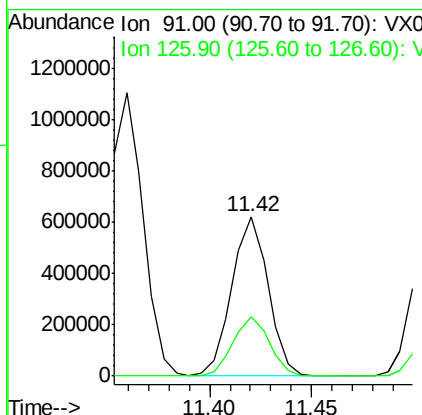
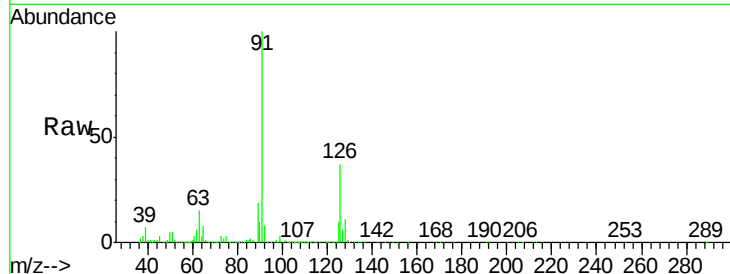




#79
 2-Chlorotoluene
 Concen: 47.851 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

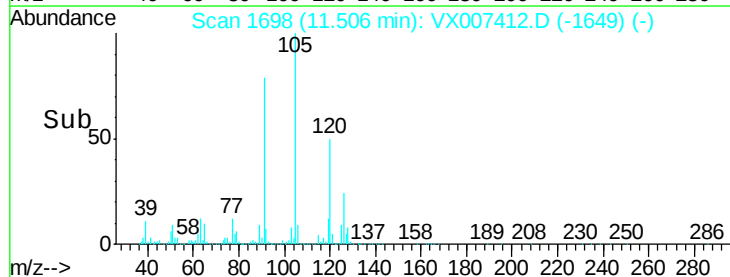
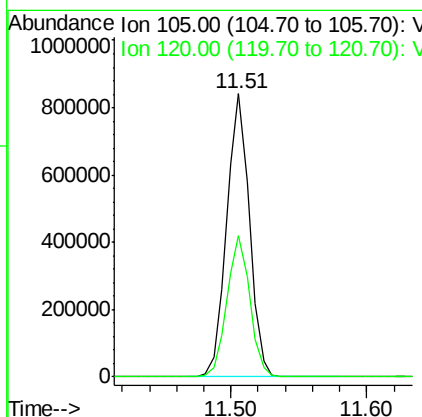
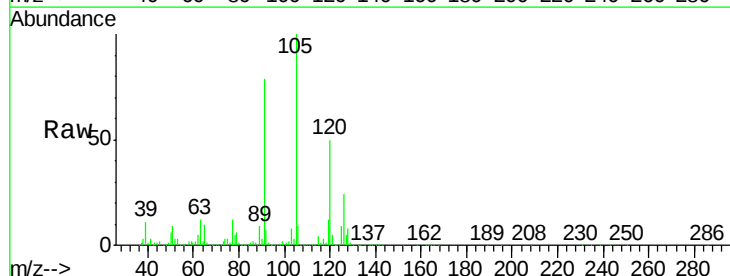
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

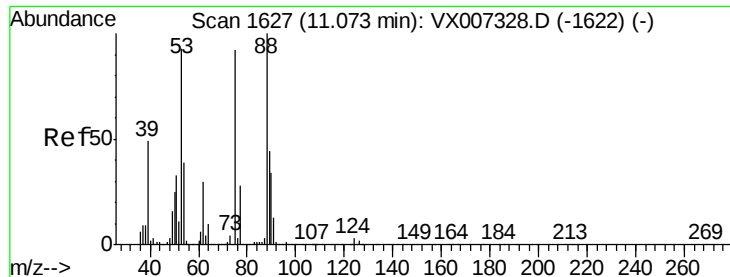
Tot Ion: 91 Resp: 765052
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.425 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion: 105 Resp: 971619
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.804 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

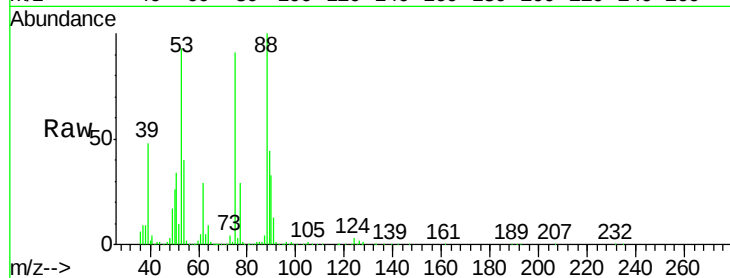
Tot Ion: 75 Resp: 103493

Ion Ratio Lower Upper

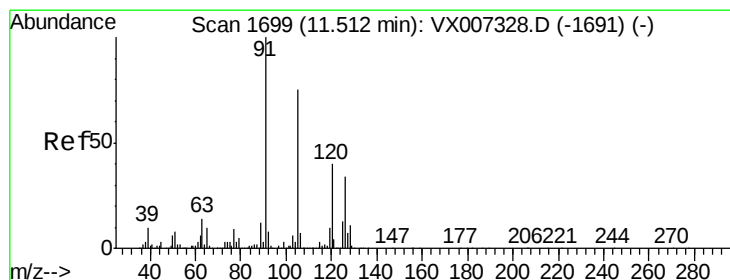
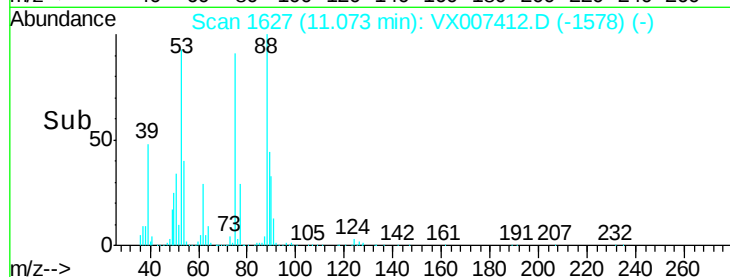
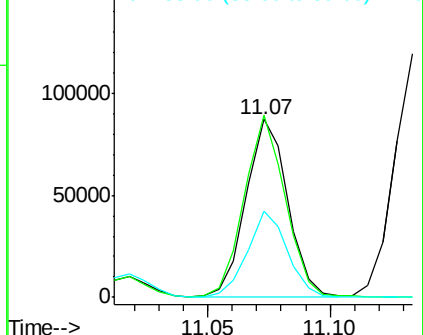
75 100

53 99.7 81.0 121.6

89 47.2 41.4 62.0



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



#82

4-Chlorotoluene

Concen: 48.230 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007412.D

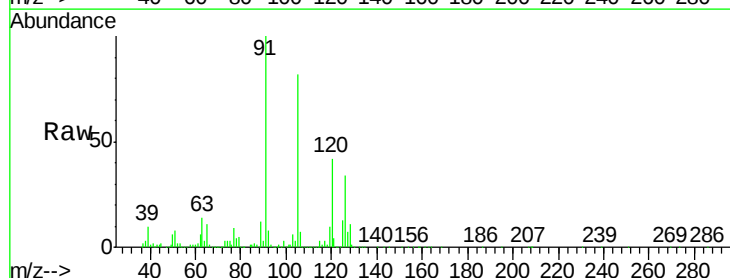
Acq: 06 Feb 2019 20:50

Tgt Ion: 91 Resp: 892257

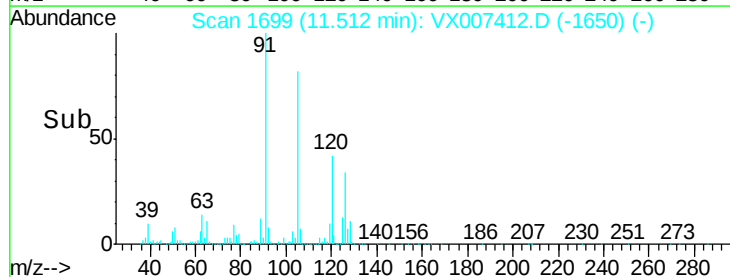
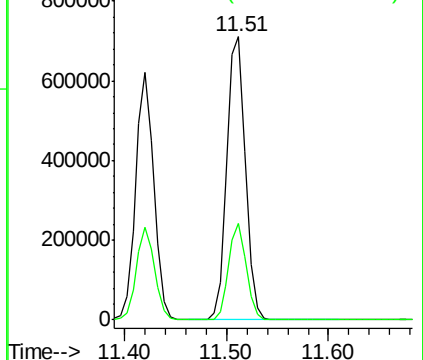
Ion Ratio Lower Upper

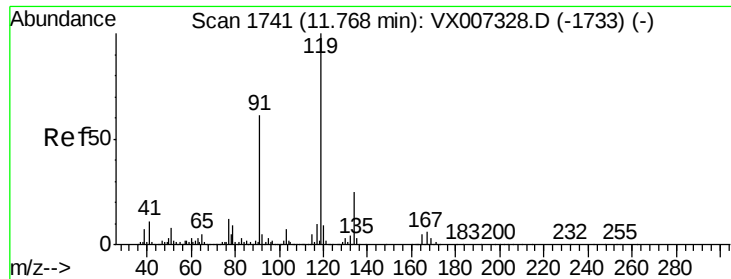
91 100

126 32.4 16.2 48.5



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

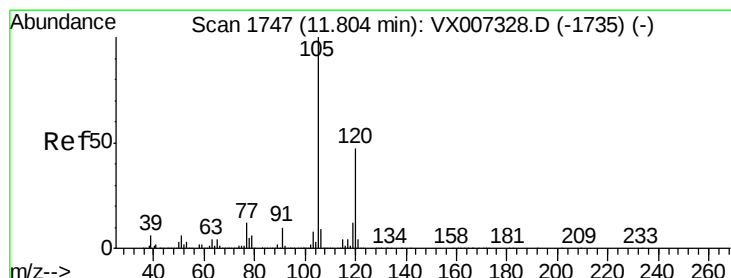
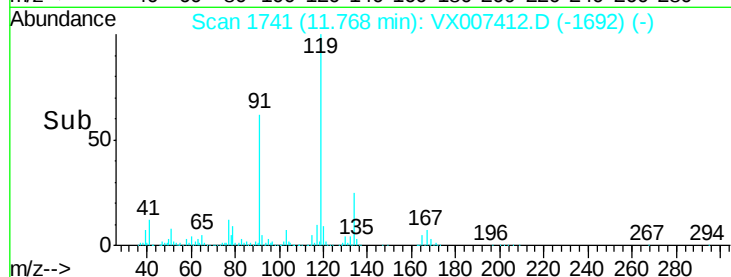
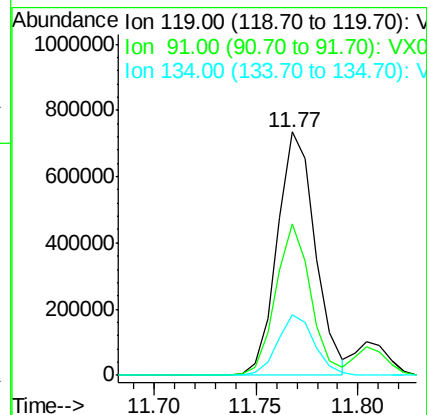
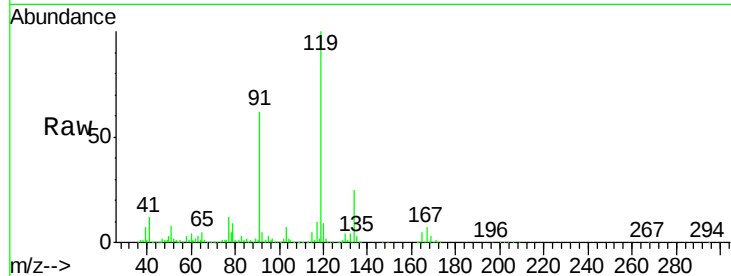




#83
tert-Butylbenzene
Concen: 48.990 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

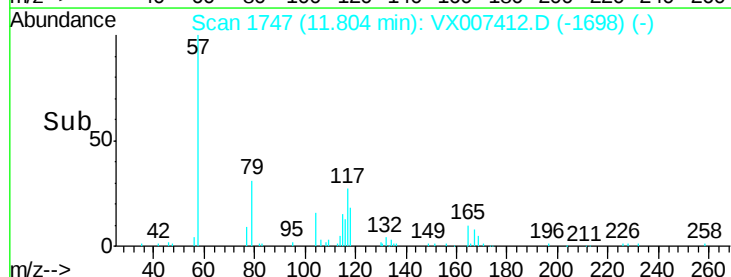
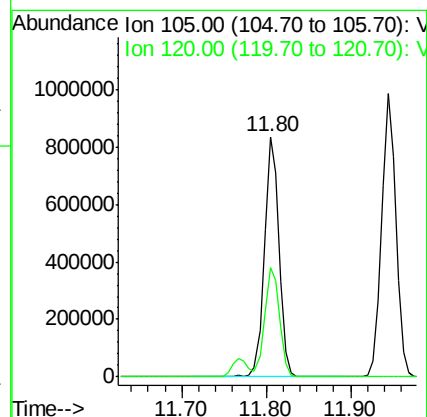
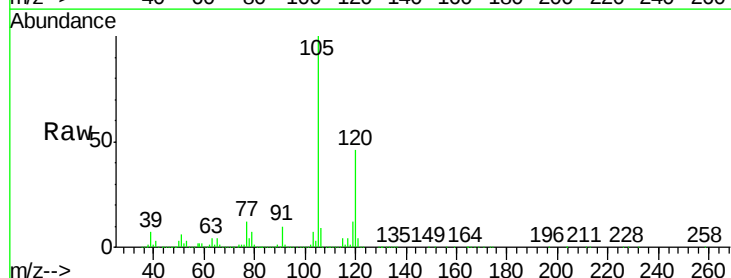
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

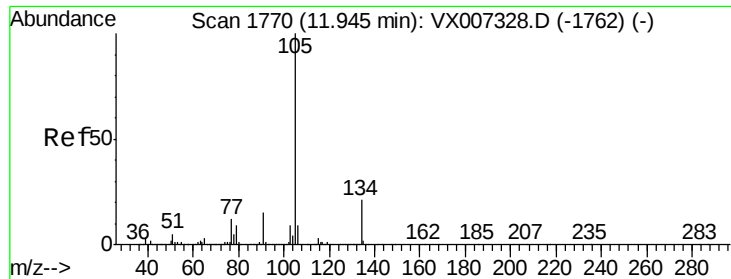
Tot Ion:119 Resp: 953498
Ion Ratio Lower Upper
119 100
91 57.0 28.5 85.6
134 24.1 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 49.590 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion:105 Resp: 989720
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 49.465 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

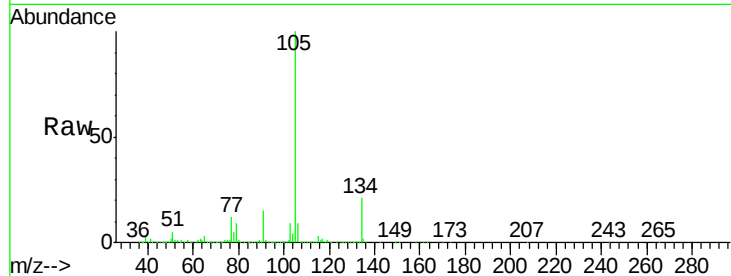
VSTDCCC050EC

Tot Ion:105 Resp: 1165236

Ion Ratio Lower Upper

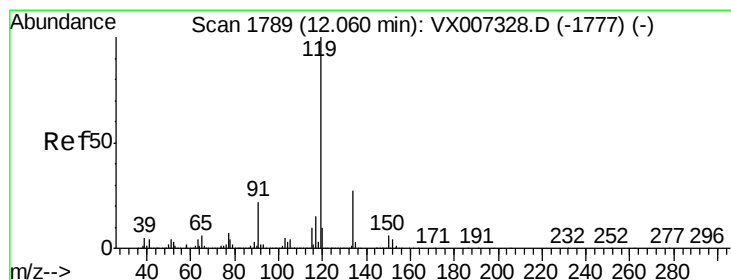
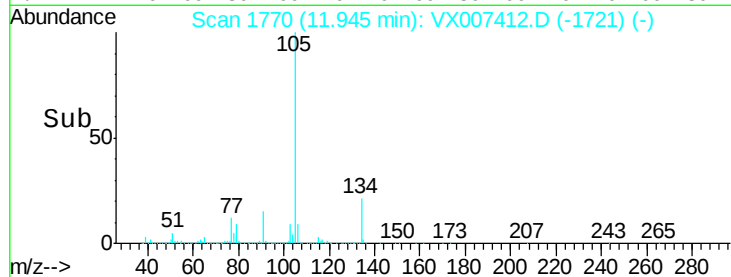
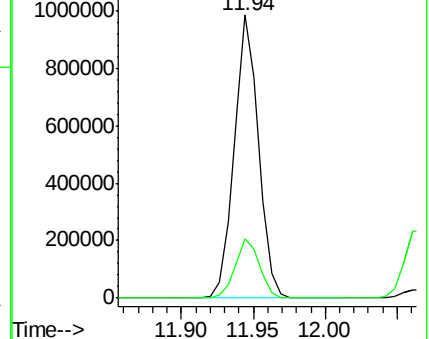
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.078 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

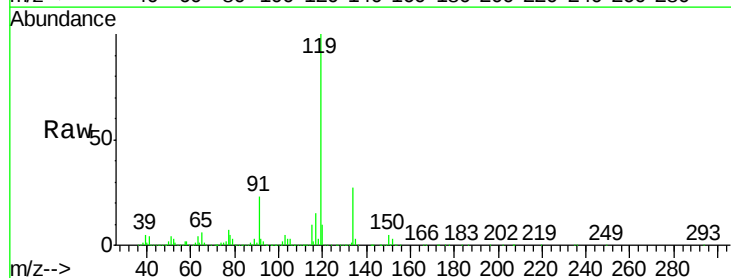
Tgt Ion:119 Resp: 1043612

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

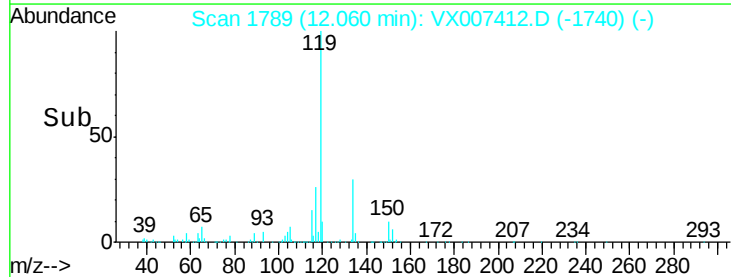
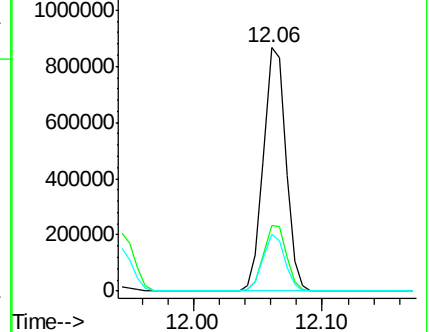
91 22.6 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.301 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

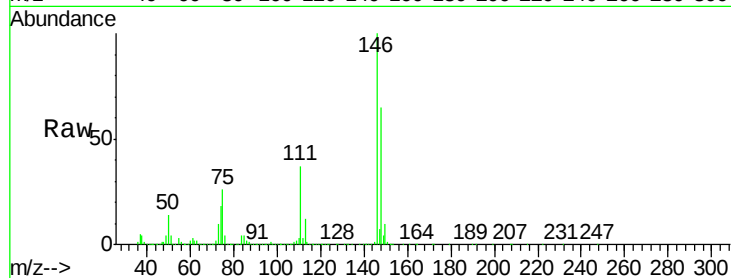
Tot Ion:146 Resp: 562578

Ion Ratio Lower Upper

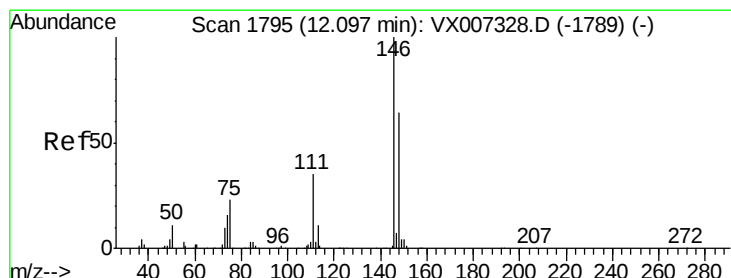
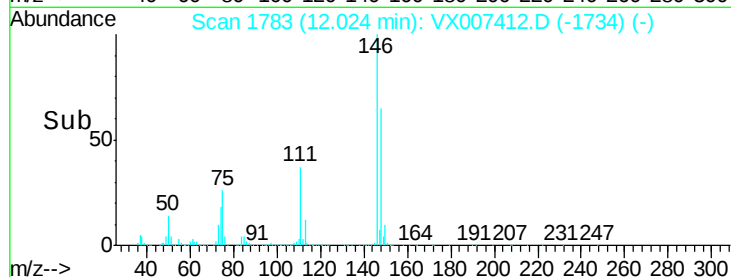
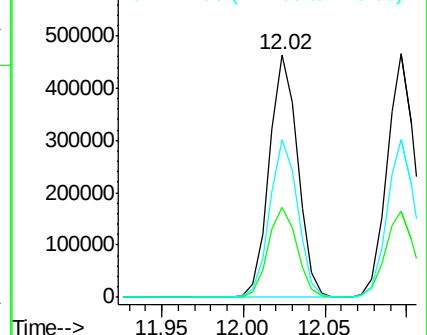
146 100

111 37.5 18.1 54.1

148 64.1 32.0 96.2



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: 45.021 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

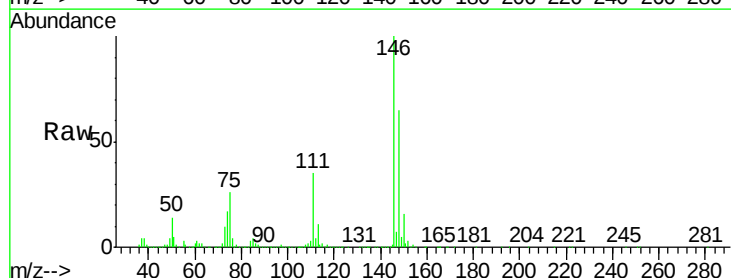
Tgt Ion:146 Resp: 554981

Ion Ratio Lower Upper

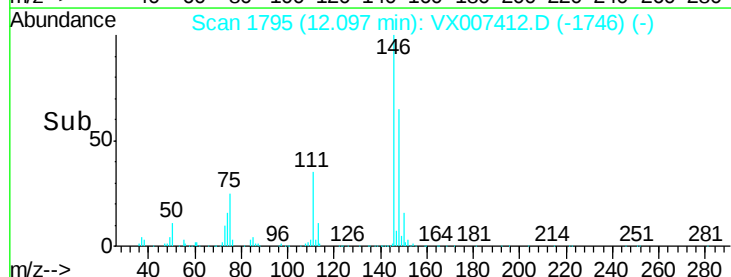
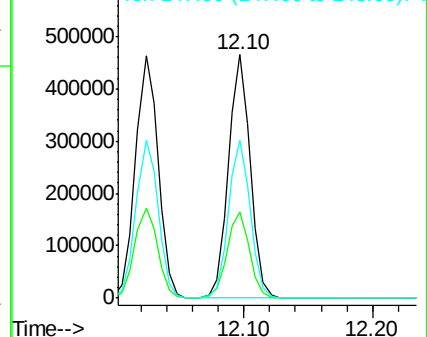
146 100

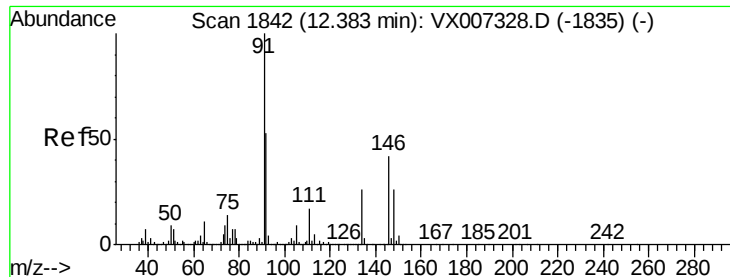
111 36.6 18.1 54.1

148 65.0 32.3 96.9



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

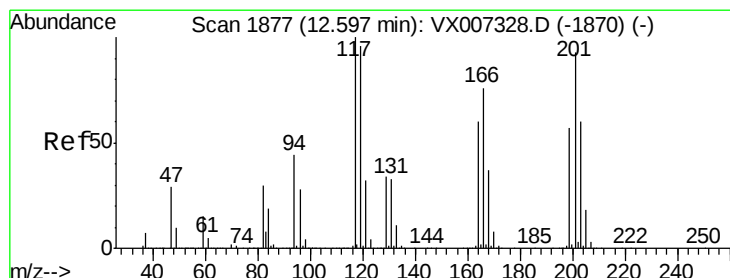
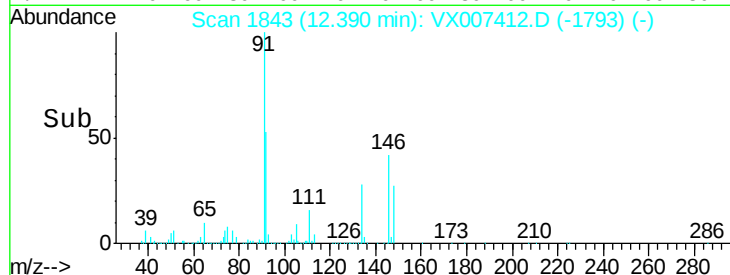
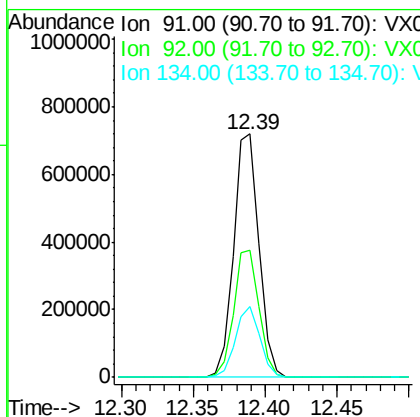
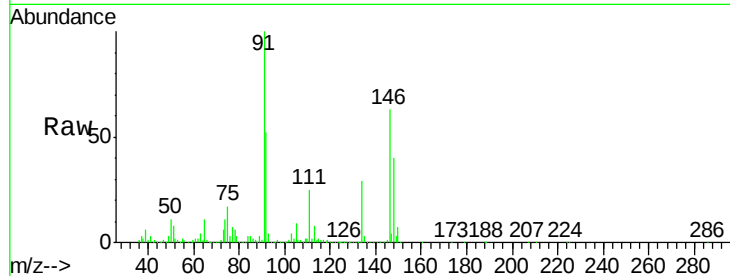




#89
n-Butylbenzene
Concen: 48.289 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

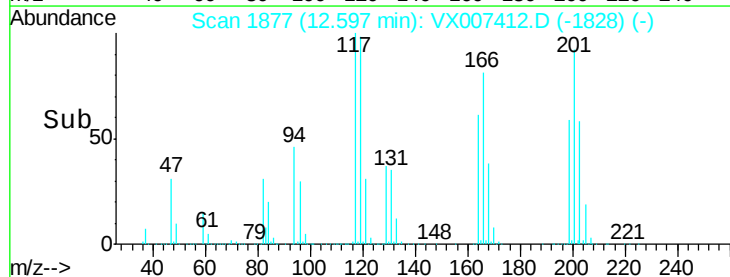
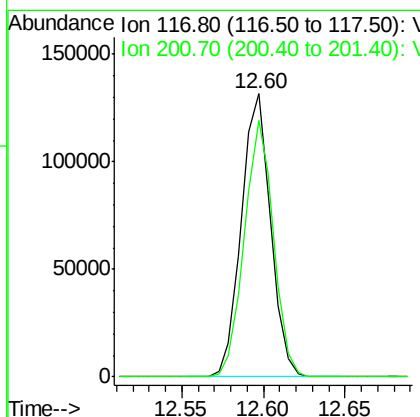
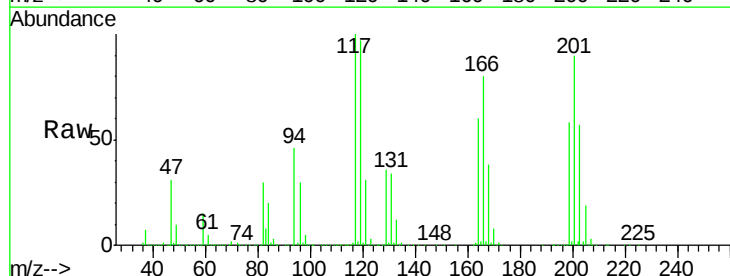
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

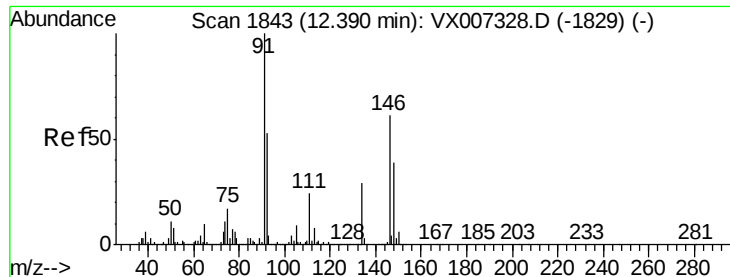
Tot Ion: 91 Resp: 883326
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 28.1 13.9 41.6



#90
Hexachloroethane
Concen: 51.806 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 117 Resp: 164874
Ion Ratio Lower Upper
117 100
201 89.9 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 45.686 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

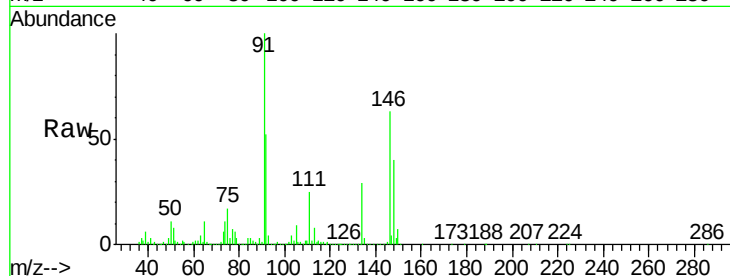
Tot Ion:146 Resp: 552429

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

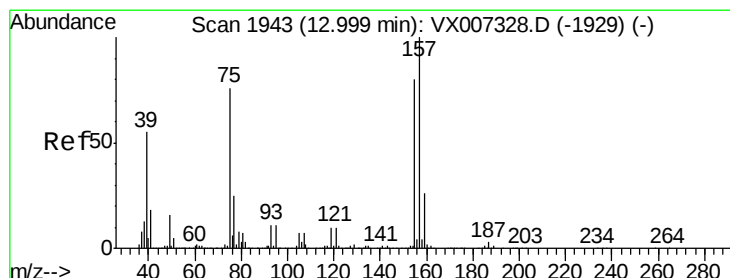
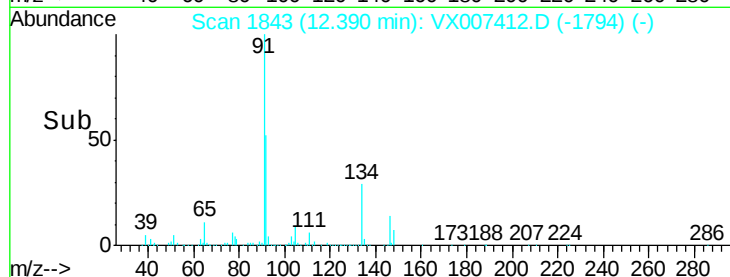
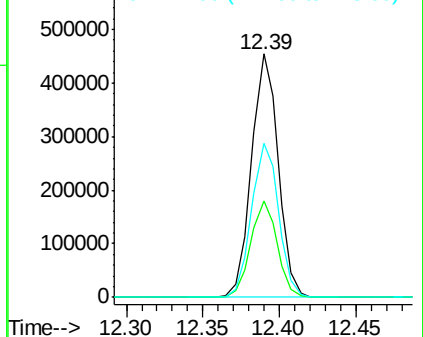
148 64.0 32.1 96.3



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: 51.716 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

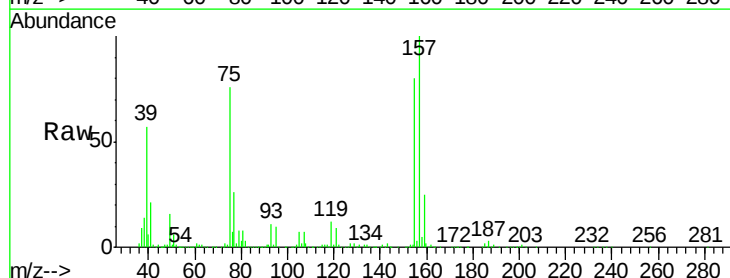
Tgt Ion: 75 Resp: 78748

Ion Ratio Lower Upper

75 100

155 102.9 49.6 149.0

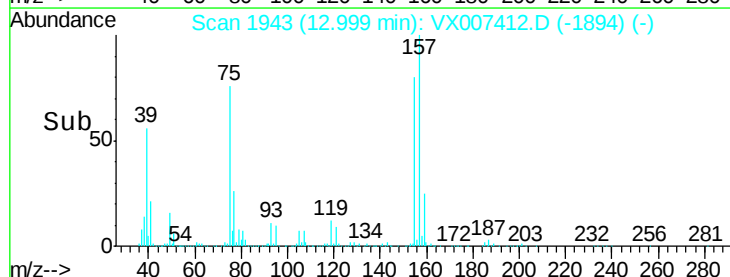
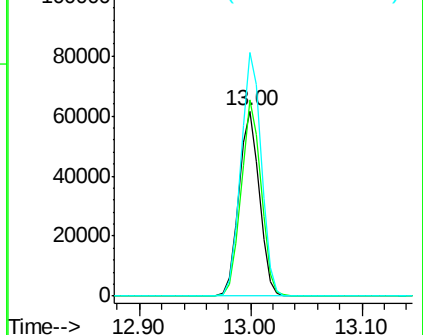
157 130.7 65.1 195.3

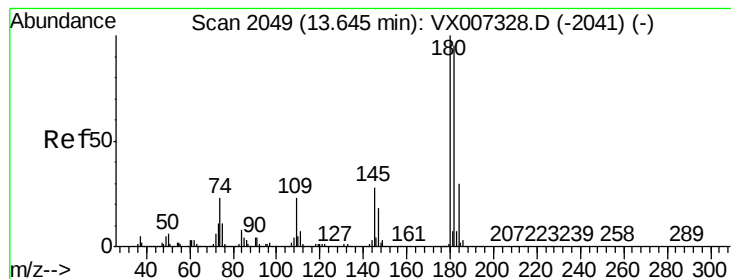


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 47.228 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

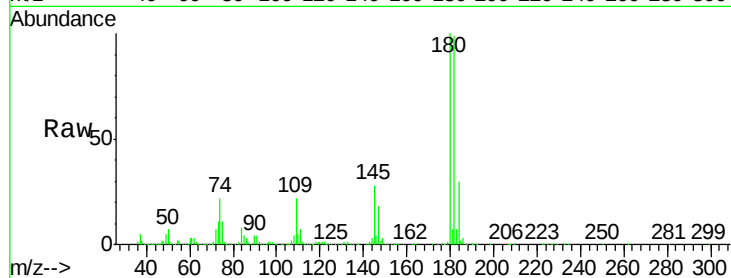
Tot Ion:180 Resp: 385126

Ion Ratio Lower Upper

180 100

182 96.7 47.8 143.3

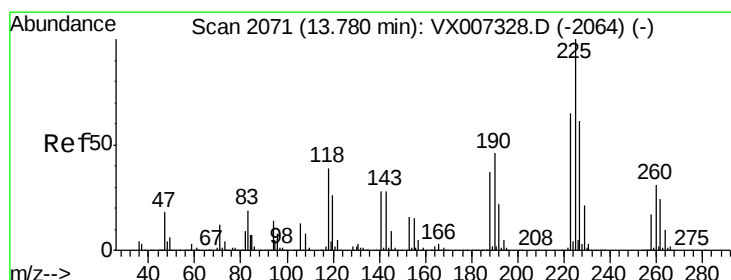
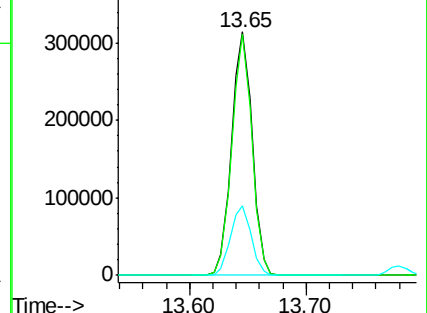
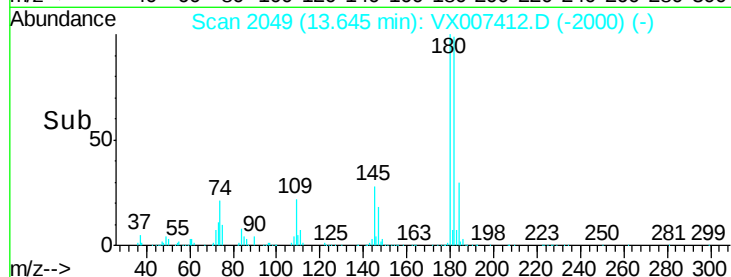
145 28.7 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 46.810 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

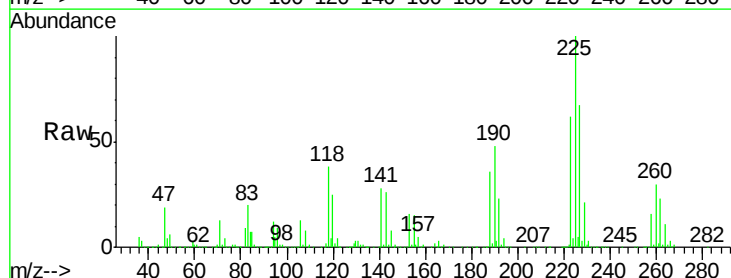
Tgt Ion:225 Resp: 185352

Ion Ratio Lower Upper

225 100

223 62.9 31.6 94.8

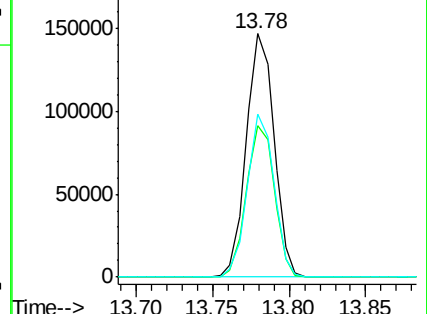
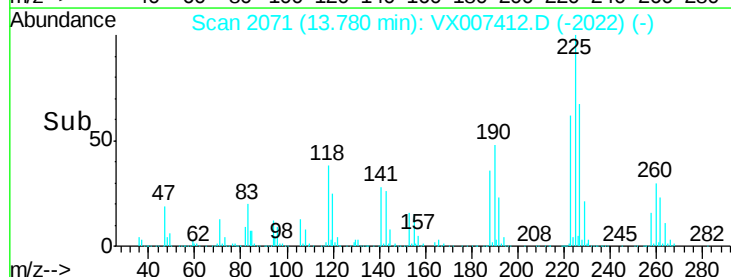
227 64.7 32.1 96.3

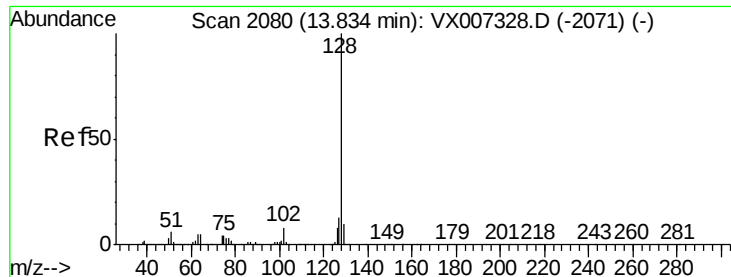


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.320 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

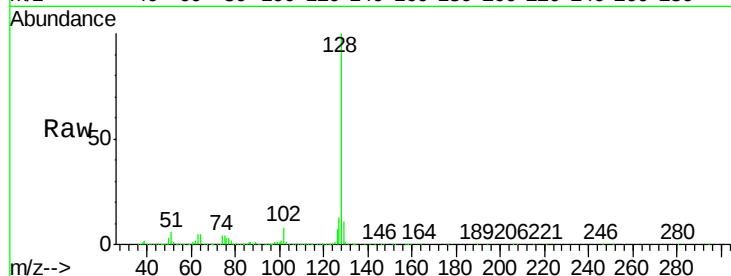
Tot Ion:128 Resp: 1199983

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

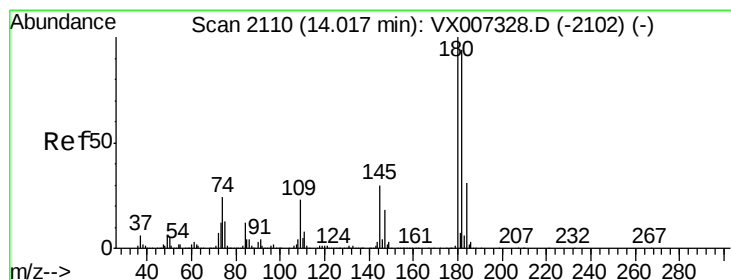
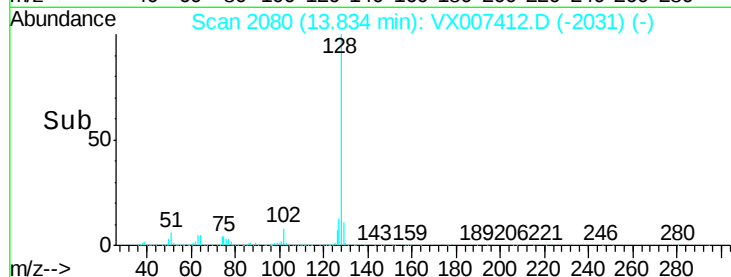
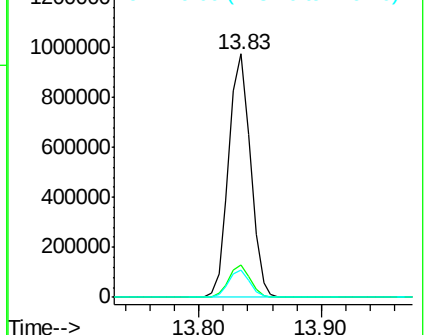
129 10.8 8.7 13.1



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: 47.379 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

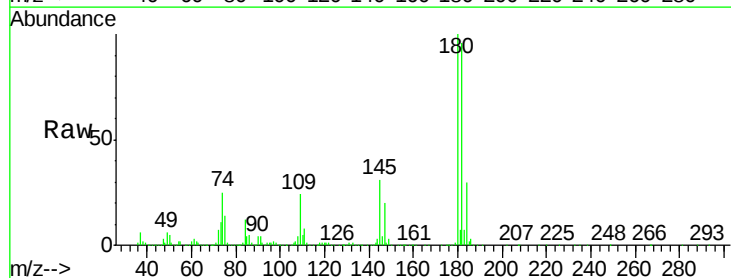
Tgt Ion:180 Resp: 388908

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 30.3 14.9 44.5



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

