

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032219\
 Data File : VX008343.D
 Acq On : 22 Mar 2019 17:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Mar 23 01:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 15:33:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	31934	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	166421	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	145216	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	65922	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	11.13	95	73315	31.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.40%
63) Toluene-d8	8.71	98	201375	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	29450	17.188 ug/l	95
3) Chloromethane	1.33	50	31196	17.807 ug/l	96
4) Vinyl Chloride	1.41	62	35613	18.036 ug/l	100
5) Bromomethane	1.64	94	32588	9.104 ug/l	100
6) Chloroethane	1.73	64	23222	16.548 ug/l	93
7) Trichlorofluoromethane	1.93	101	54255	17.261 ug/l	99
8) Diethyl Ether	2.19	74	21602	17.720 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28631	16.470 ug/l	97
10) 1,1-Dichloroethene	2.38	96	30875	17.994 ug/l	99
11) Methyl Iodide	2.51	142	38688	14.915 ug/l	99
12) Methyl Acetate	2.78	43	33928	18.120 ug/l	94
13) Acrolein	2.29	56	27786	94.730 ug/l	99
14) Acrylonitrile	3.14	53	86113	92.675 ug/l	98
15) Acetone	2.45	58	25636	70.357 ug/l	95
16) Carbon Disulfide	2.57	76	86338	18.147 ug/l	100
17) Allyl chloride	2.73	41	43649	17.239 ug/l	91
18) Methylene Chloride	2.86	84	33808	18.303 ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	32424	17.801 ug/l	95
20) Diisopropyl ether	3.86	45	97940	18.499 ug/l	95
21) 1,1-Dichloroethane	3.70	63	59038	18.882 ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	38566	18.358 ug/l	96
23) tert-Butyl Alcohol	3.04	59	35633	94.462 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	102588	18.610 ug/l	98
25) Chloroform	5.21	83	61254	18.468 ug/l	97
26) Cyclohexane	5.59	56	49418	17.871 ug/l	# 100
29) 1,1-Dichloropropene	5.81	75	43824	18.541 ug/l	98
30) 2-Butanone	4.68	43	119487	87.765 ug/l	97
31) 2,2-Dichloropropane	4.59	77	40249	18.086 ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	52625	18.922 ug/l	98
33) Carbon Tetrachloride	5.79	117	45988	18.005 ug/l	98
34) Benzene	6.15	78	136373	19.369 ug/l	98
35) Methacrylonitrile	5.05	41	22657	17.866 ug/l	95
36) 1,2-Dichloroethane	6.20	62	50750	19.556 ug/l	99
37) Trichloroethene	7.21	130	37624	18.175 ug/l	93
38) Methylcyclohexane	7.46	83	50598	17.080 ug/l	99
39) 1,2-Dichloropropane	7.51	63	34185	19.081 ug/l	99
40) Dibromomethane	7.66	93	25670	19.536 ug/l	94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	47127	18.901	ug/l	97
42) Vinyl Acetate	3.82	43	434548	94.963	ug/l	99
43) Ethyl Acetate	4.84	43	47034	19.572	ug/l #	80
44) Isopropyl Acetate	6.45	43	71004	18.774	ug/l	97
45) 1,4-Dioxane	7.74	88	18446	387.777	ug/l	97
46) Methyl methacrylate	7.77	41	34928	18.822	ug/l	90
47) n-amyl Acetate	10.90	43	59593	18.379	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	43872	17.574	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	49915	17.919	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	36868	19.531	ug/l	96
51) Ethyl methacrylate	9.18	69	53734	19.498	ug/l	98
52) 1,3-Dichloropropane	9.37	76	58863	19.443	ug/l	99
53) Dibromochloromethane	9.58	129	38407	18.049	ug/l	100
54) 1,2-Dibromoethane	9.67	107	39889	19.260	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	140868	101.598	ug/l	99
56) Bromoform	10.85	173	27722	16.502	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	235736	96.415	ug/l	96
59) 2-Hexanone	9.49	43	178399	92.239	ug/l	97
61) Tetrachloroethene	9.34	164	33324	17.048	ug/l	95
62) Toluene	8.79	91	147256	19.104	ug/l	99
64) Chlorobenzene	10.14	112	93692	18.854	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	34605	18.233	ug/l	98
66) Ethyl Benzene	10.25	91	155787	18.688	ug/l	100
67) m/p-Xylenes	10.36	106	120556	36.387	ug/l	98
68) o-Xylene	10.69	106	58444	18.363	ug/l	99
69) Styrene	10.71	104	99029	18.430	ug/l	97
70) Isopropylbenzene	11.02	105	154124	18.405	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	55389	19.398	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	59159	25.719	ug/l	90
73) Bromobenzene	11.26	156	40615	17.530	ug/l	92
74) n-propylbenzene	11.36	91	166887	17.880	ug/l	99
75) 2-Chlorotoluene	11.42	91	104047	18.666	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	130439	18.234	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	13745	16.868	ug/l	94
78) 4-Chlorotoluene	11.51	91	118059	17.996	ug/l	95
79) tert-butylbenzene	12.06	119	131373	17.458	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	130652	18.380	ug/l	96
81) sec-Butylbenzene	11.94	105	143729	17.615	ug/l	99
82) p-Isopropyltoluene	12.06	119	131373	17.458	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	69141	17.194	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	68901	17.205	ug/l	97
85) n-Butylbenzene	12.39	91	107153	16.554	ug/l	98
86) Hexachloroethane	12.60	117	22714	17.514	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	69901	17.626	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	11891	18.191	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	44177	15.739	ug/l	99
90) Hexachlorobutadiene	13.78	225	21303	15.077	ug/l	99
91) Naphthalene	13.83	128	153889	18.255	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	46730	16.468	ug/l	97

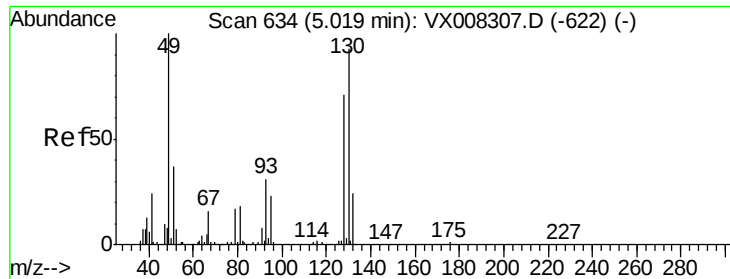
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

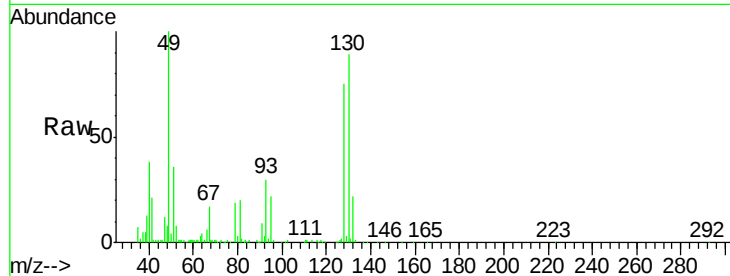
Tot Ion:128 Resp: 31934

Ion Ratio Lower Upper

128 100

49 133.9 0.0 350.8

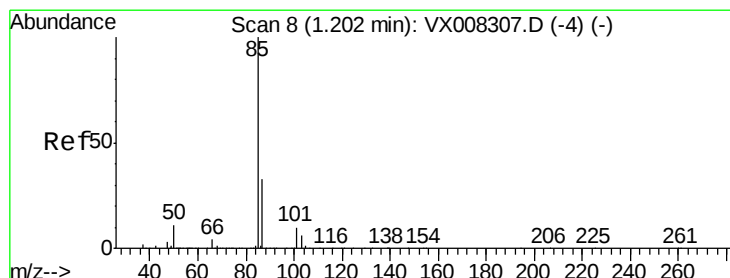
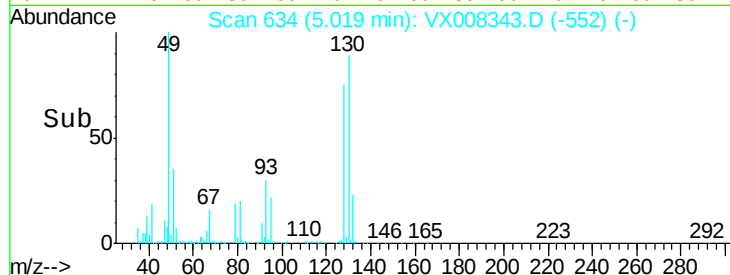
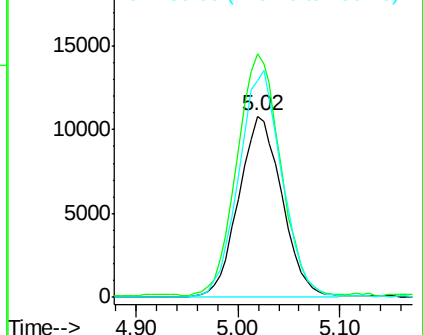
130 125.0 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.188 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX008343.D

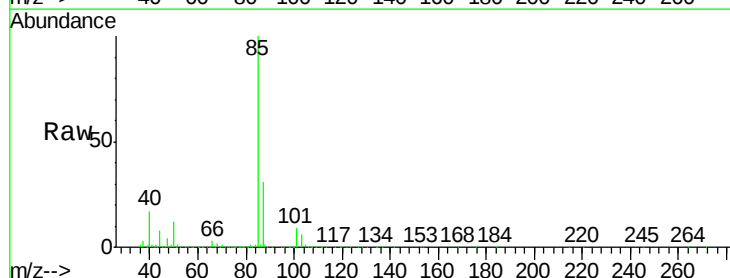
Acq: 22 Mar 2019 17:03

Tgt Ion: 85 Resp: 29450

Ion Ratio Lower Upper

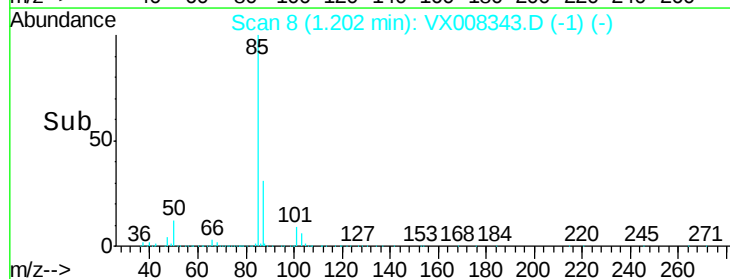
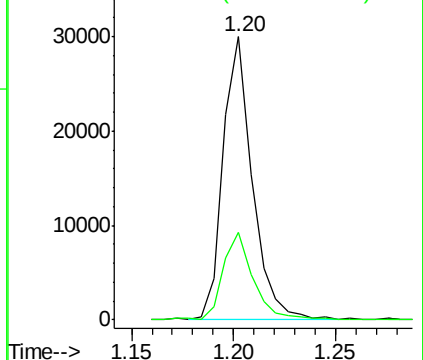
85 100

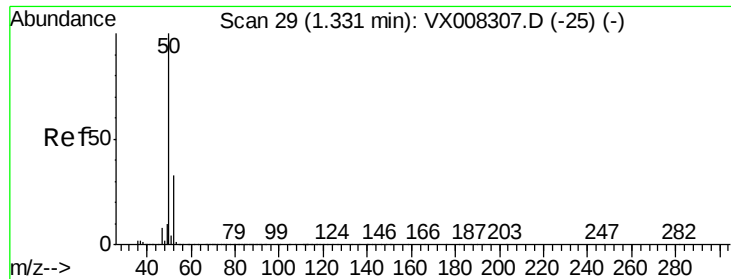
87 30.6 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.807 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

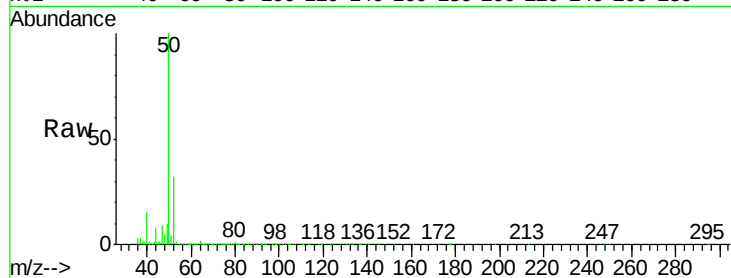
VSTDCCC020EC

Tot Ion: 50 Resp: 31196

Ion Ratio Lower Upper

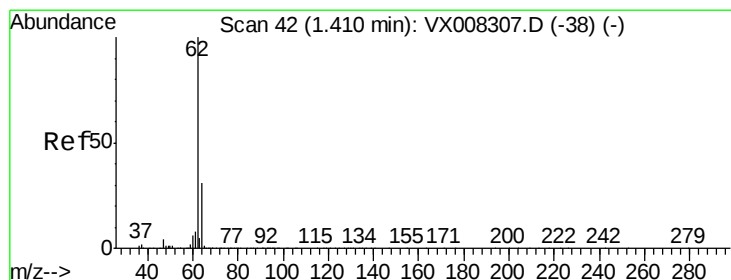
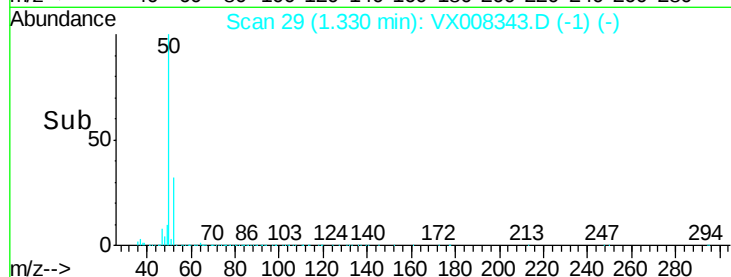
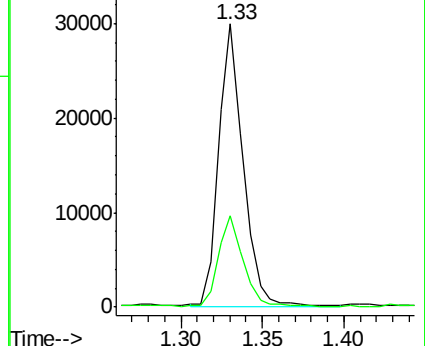
50 100

52 32.0 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.036 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008343.D

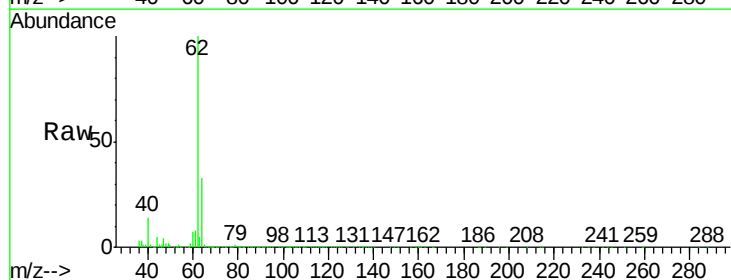
Acq: 22 Mar 2019 17:03

Tgt Ion: 62 Resp: 35613

Ion Ratio Lower Upper

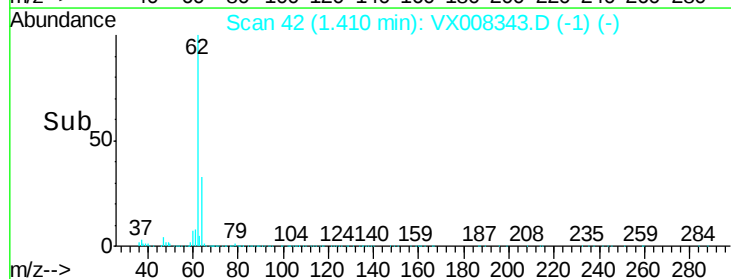
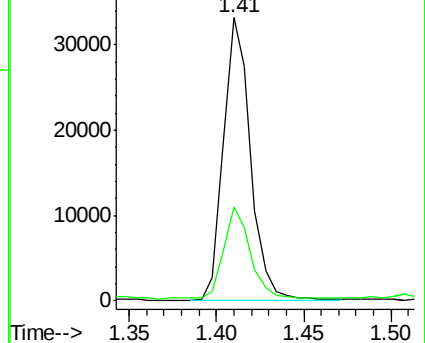
62 100

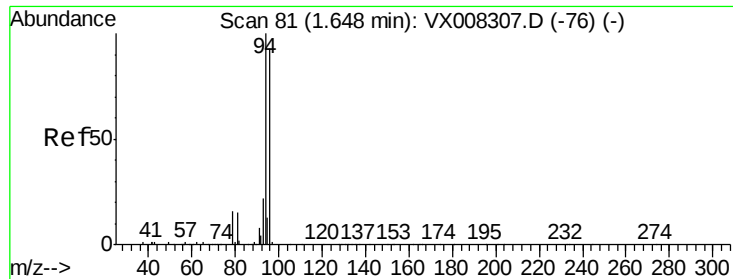
64 32.1 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 9.104 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

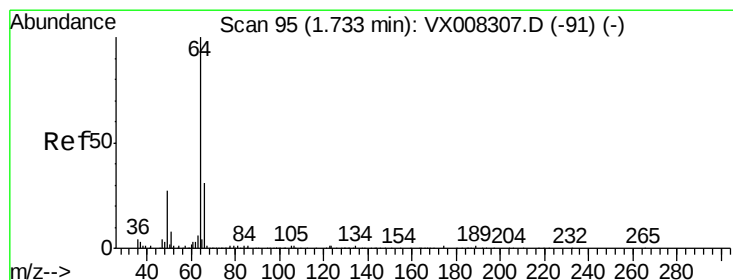
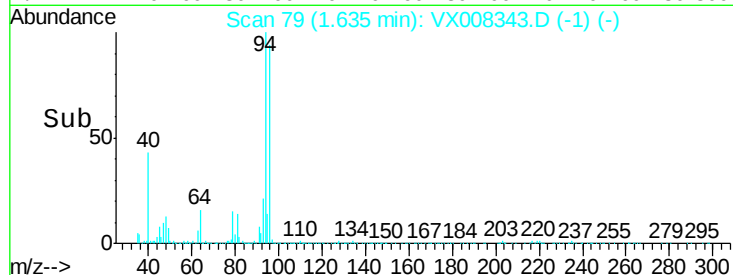
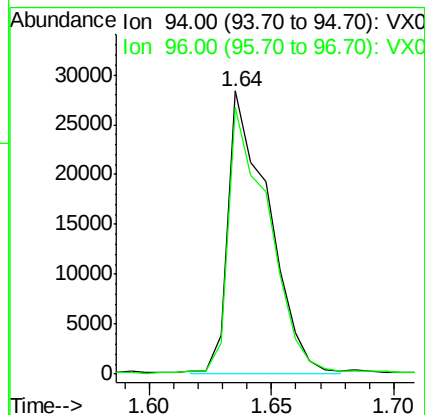
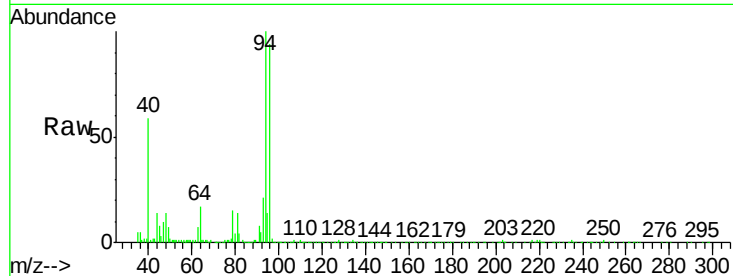
VSTDCCC020EC

Tot Ion: 94 Resp: 32588

Ion Ratio Lower Upper

94 100

96 94.3 75.6 113.4



#6

Chloroethane

Concen: 16.548 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.01 min

Lab File: VX008343.D

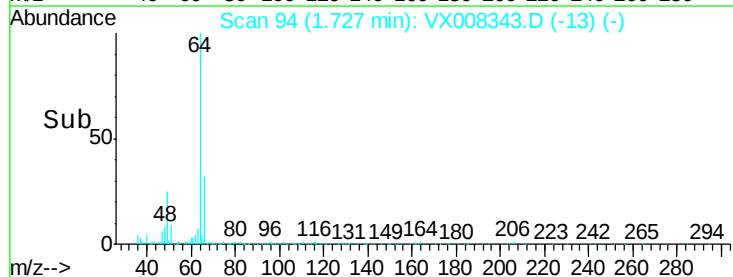
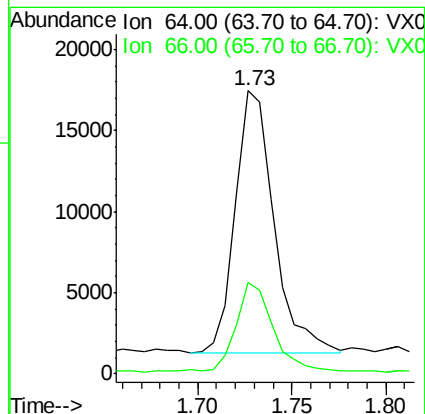
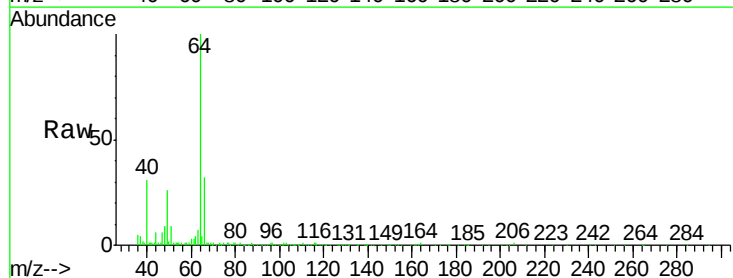
Acq: 22 Mar 2019 17:03

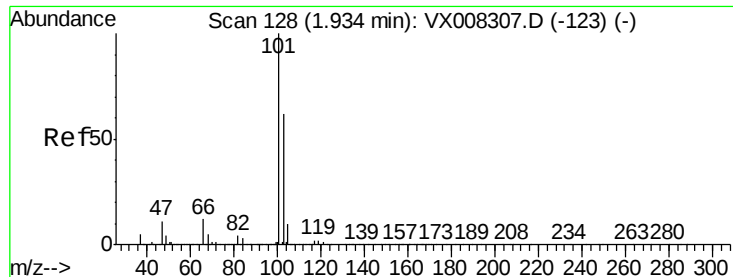
Tgt Ion: 64 Resp: 23222

Ion Ratio Lower Upper

64 100

66 33.8 23.9 35.9



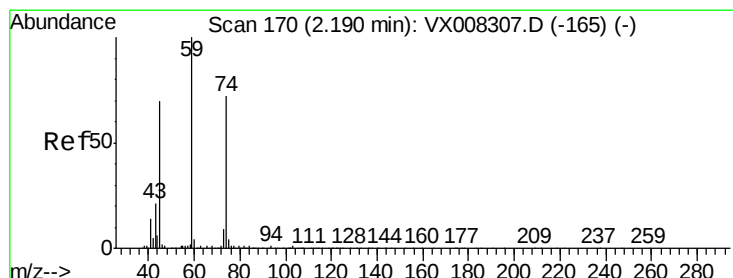
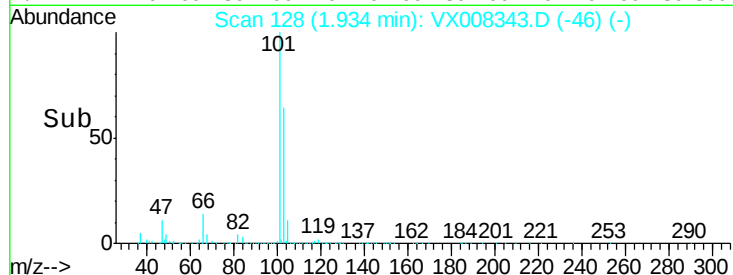
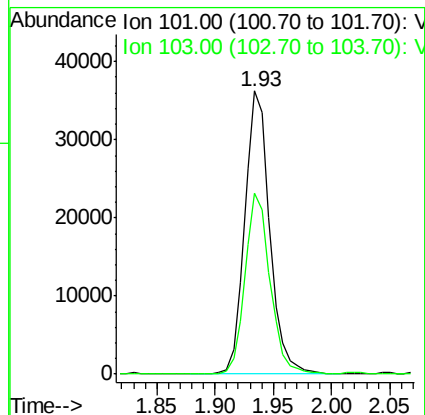
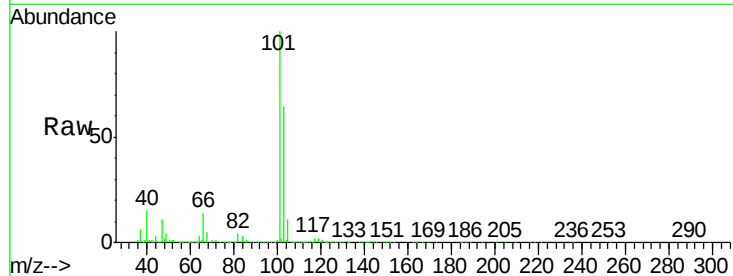


#7

Trichlorofluoromethane
 Concen: 17.261 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
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 VSTDCCC020EC

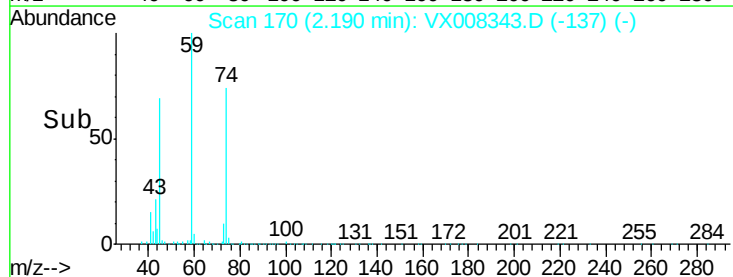
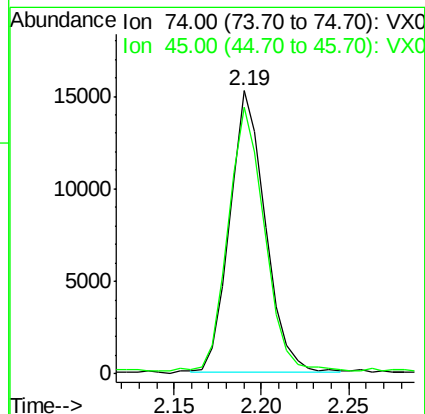
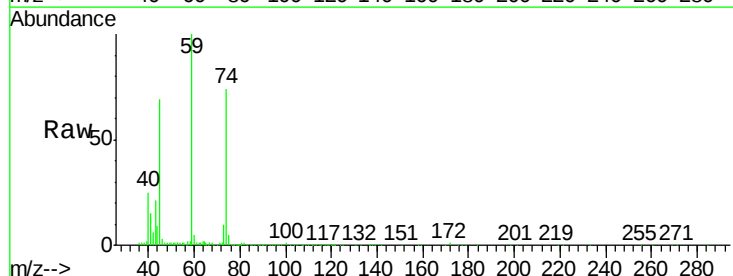
Tot Ion:101 Resp: 54255
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.4 75.6

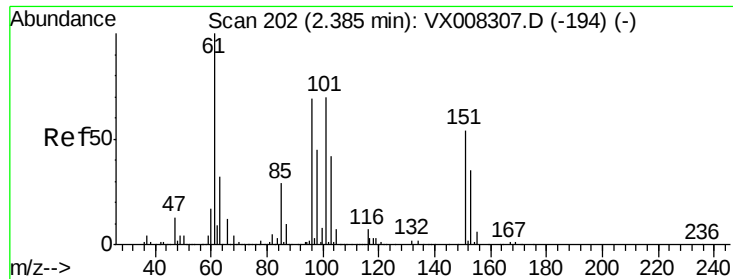


#8

Diethyl Ether
 Concen: 17.720 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion: 74 Resp: 21602
 Ion Ratio Lower Upper
 74 100
 45 92.0 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.470 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

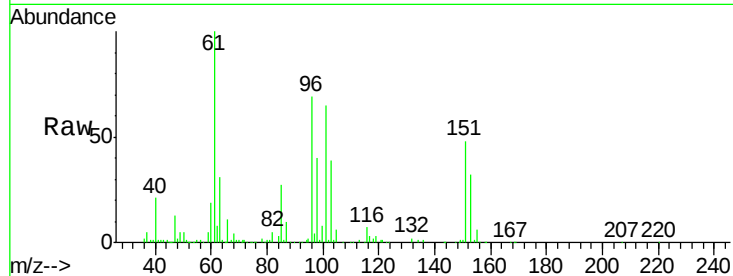
Tot Ion:101 Resp: 28631

Ion Ratio Lower Upper

101 100

85 44.7 0.0 86.8

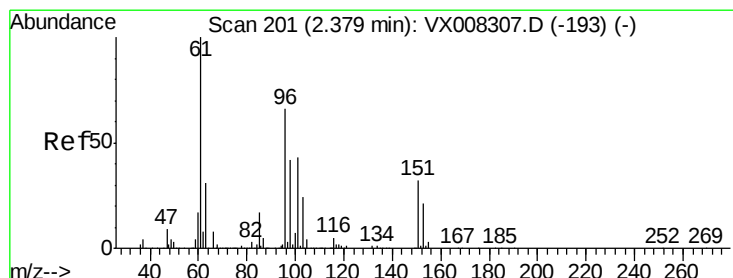
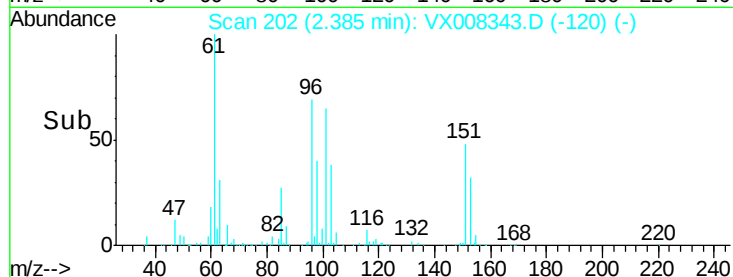
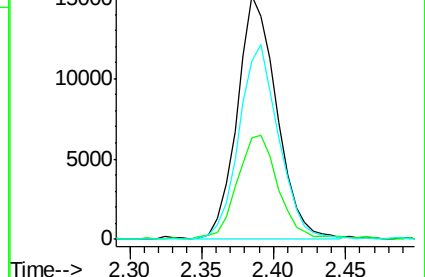
151 81.3 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.994 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

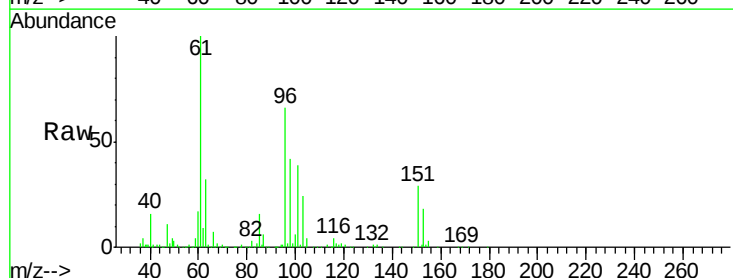
Tgt Ion: 96 Resp: 30875

Ion Ratio Lower Upper

96 100

61 151.2 120.2 180.2

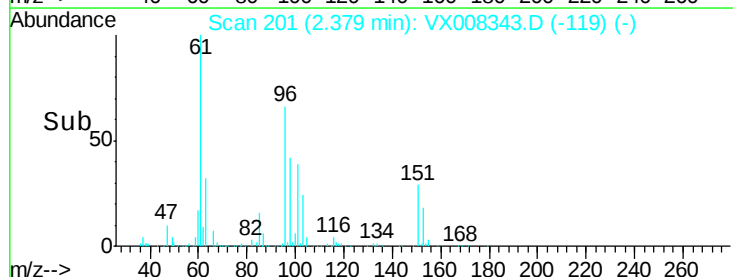
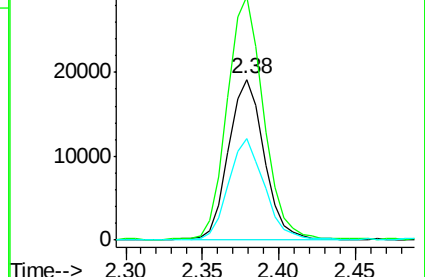
98 63.1 49.0 73.4

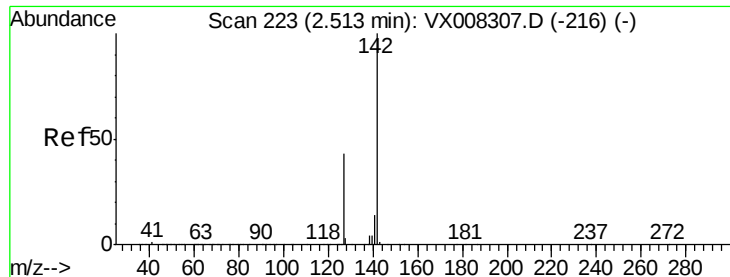


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

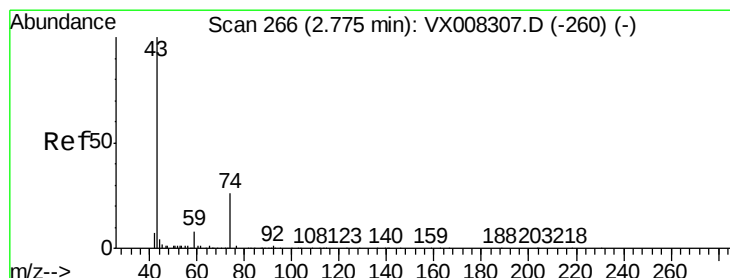
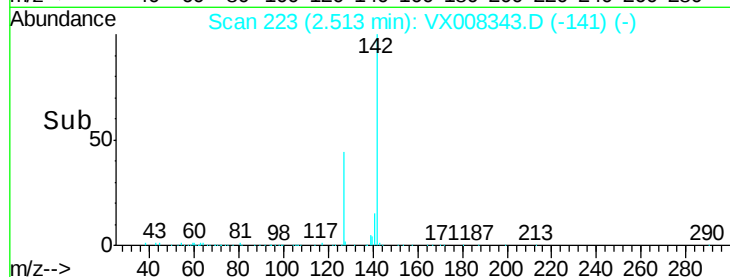
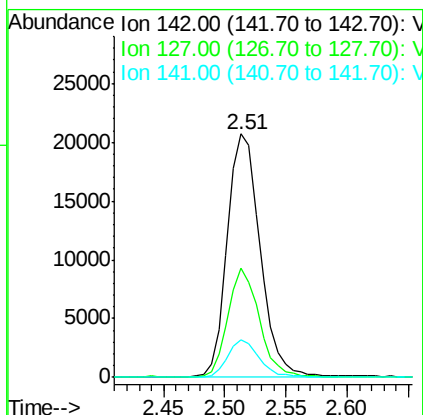
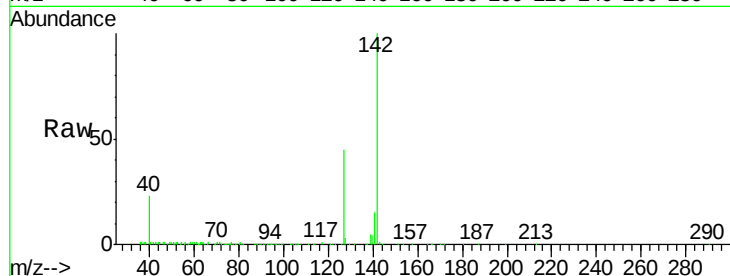




#11
Methvl Iodide
Concen: 14.915 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

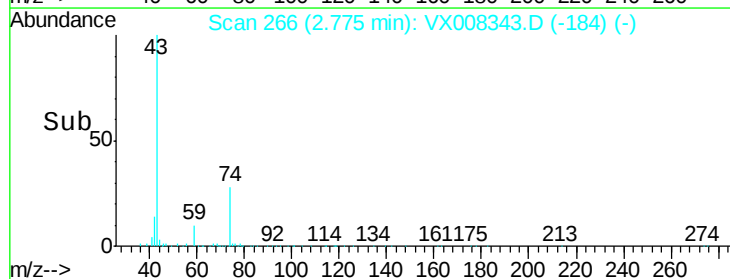
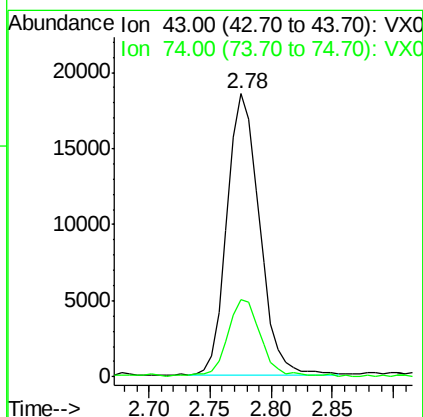
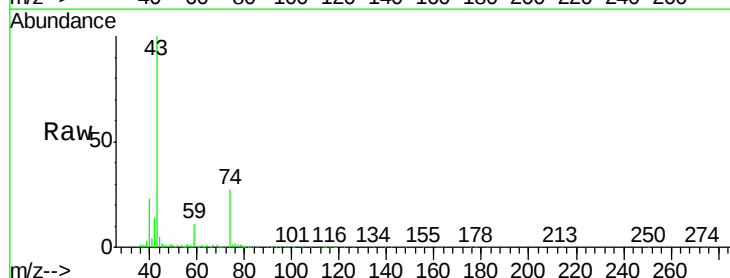
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

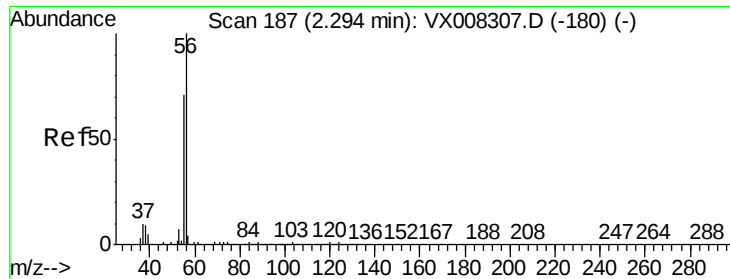
Tot Ion:142 Resp: 38688
Ion Ratio Lower Upper
142 100
127 44.7 22.1 66.5
141 15.3 7.4 22.3



#12
Methyl Acetate
Concen: 18.120 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion: 43 Resp: 33928
Ion Ratio Lower Upper
43 100
74 27.1 19.4 29.0





#13

Acrolein

Concen: 94.730 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

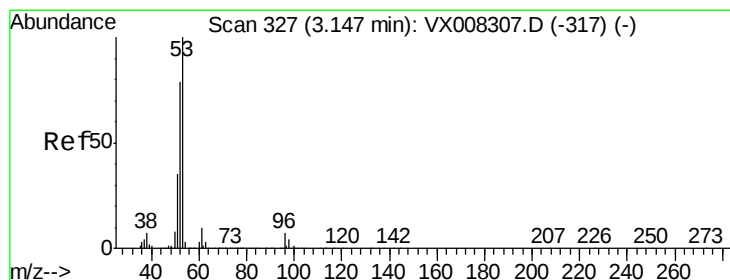
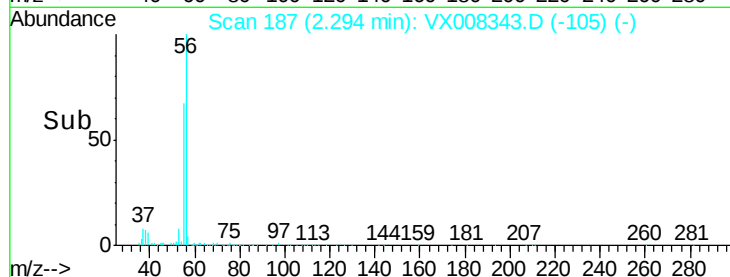
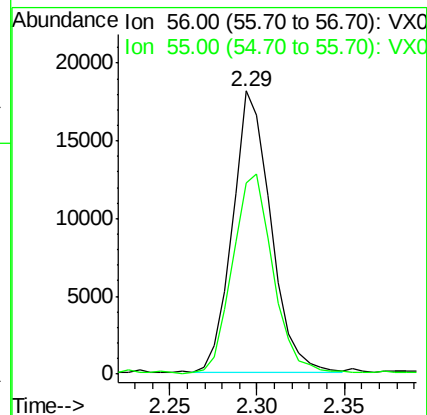
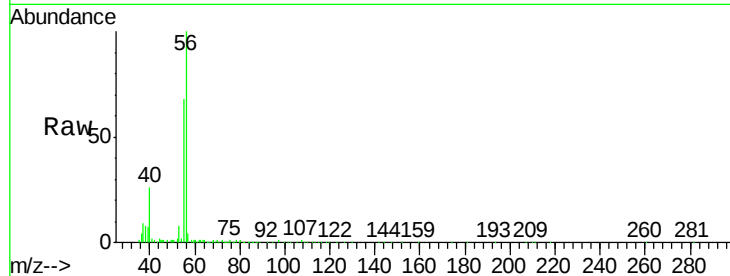
VSTDCCC020EC

Tot Ion: 56 Resp: 27786

Ion Ratio Lower Upper

56 100

55 73.7 58.6 87.8



#14

Acrylonitrile

Concen: 92.675 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

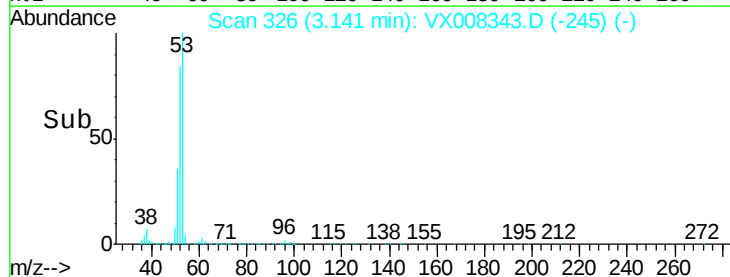
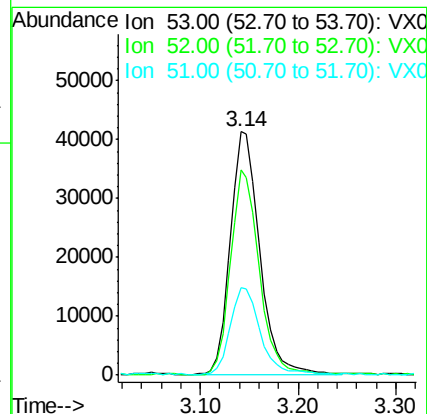
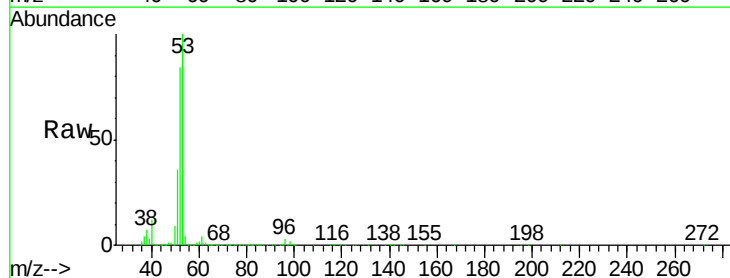
Tgt Ion: 53 Resp: 86113

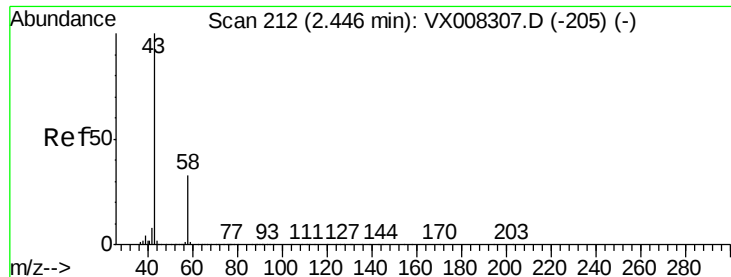
Ion Ratio Lower Upper

53 100

52 81.5 41.3 124.1

51 37.5 17.5 52.6





#15

Acetone

Concen: 70.357 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

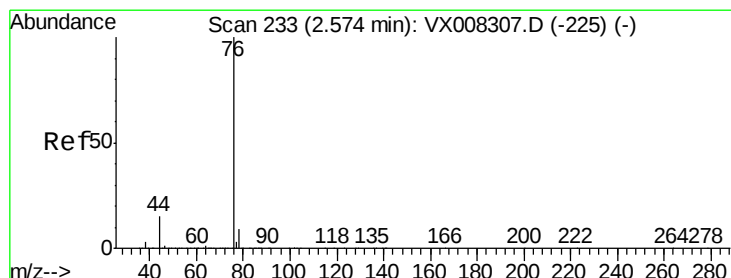
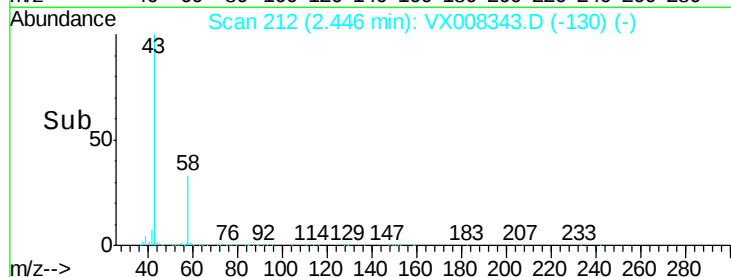
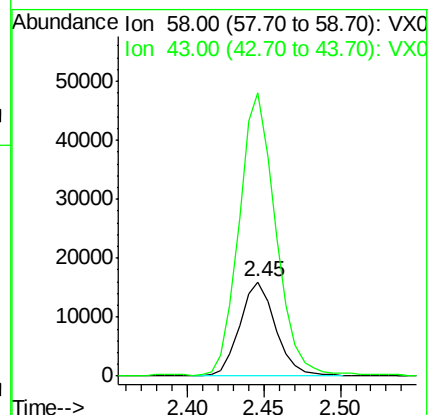
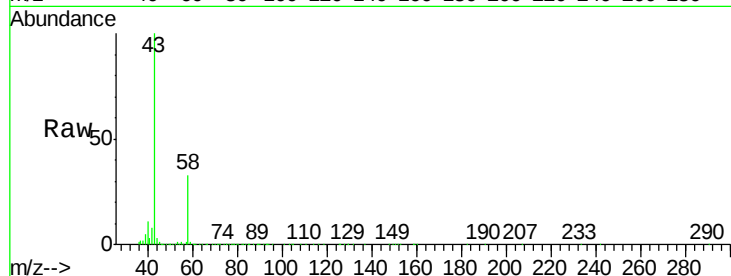
VSTDCCC020EC

Tot Ion: 58 Resp: 25636

Ion Ratio Lower Upper

58 100

43 301.6 249.8 374.6



#16

Carbon Disulfide

Concen: 18.147 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008343.D

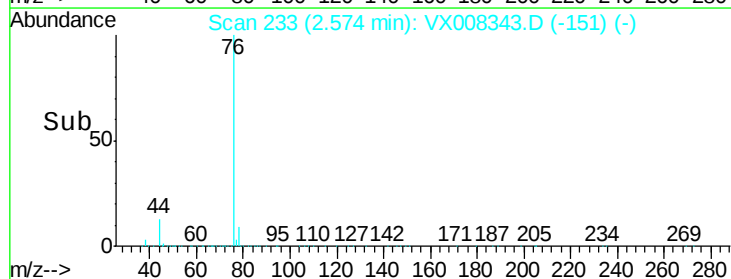
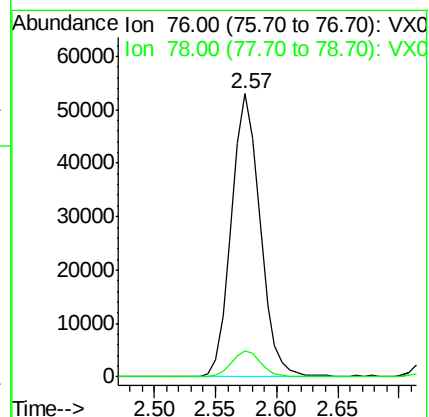
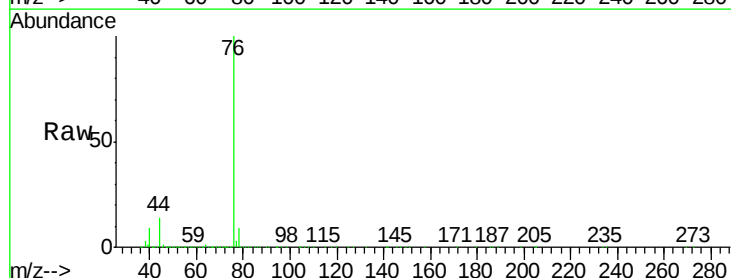
Acq: 22 Mar 2019 17:03

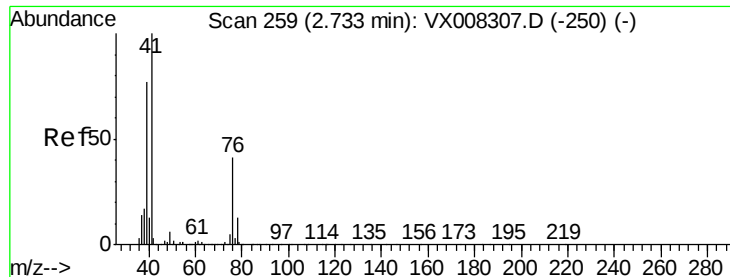
Tgt Ion: 76 Resp: 86338

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#17

Allvl chloride

Concen: 17.239 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

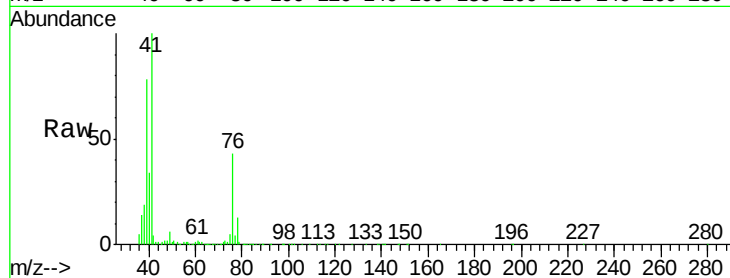
Tot Ion: 41 Resp: 43649

Ion Ratio Lower Upper

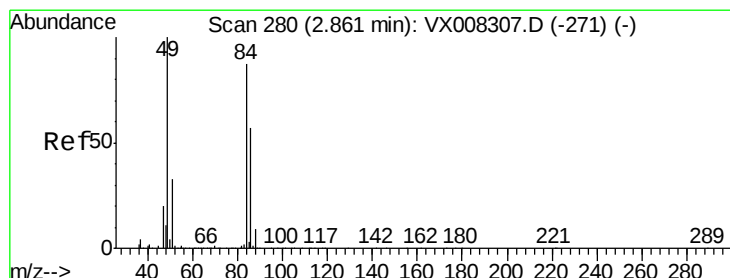
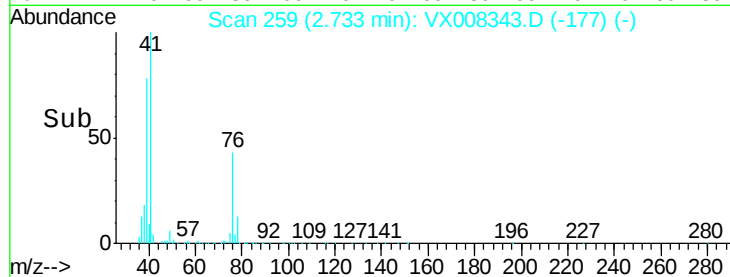
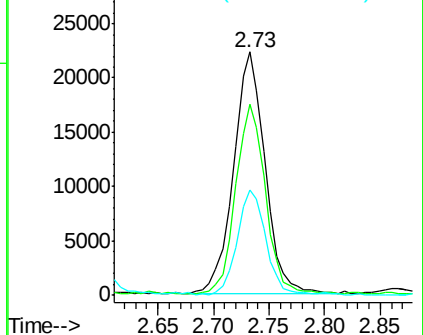
41 100

39 78.5 35.8 107.4

76 42.8 18.3 54.9



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 18.303 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion: 84 Resp: 33808

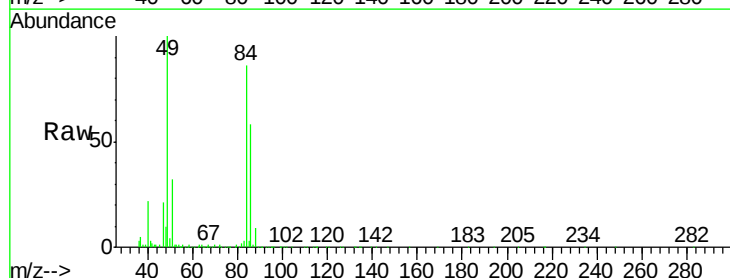
Ion Ratio Lower Upper

84 100

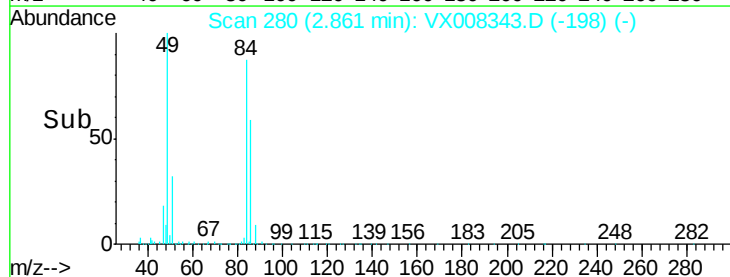
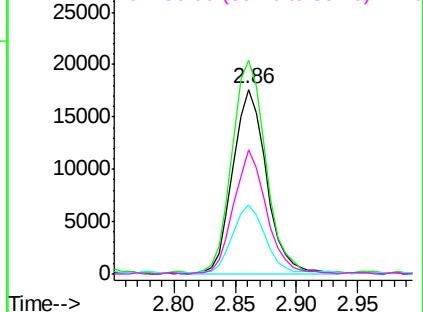
49 114.9 96.1 144.1

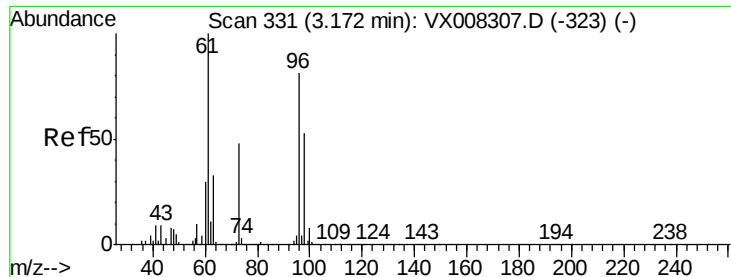
51 36.9 29.1 43.7

86 67.5 47.3 70.9



Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 17.801 ug/l

RT: 3.17 min Scan# 331

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

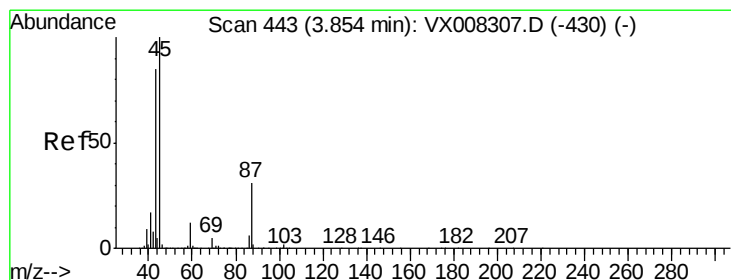
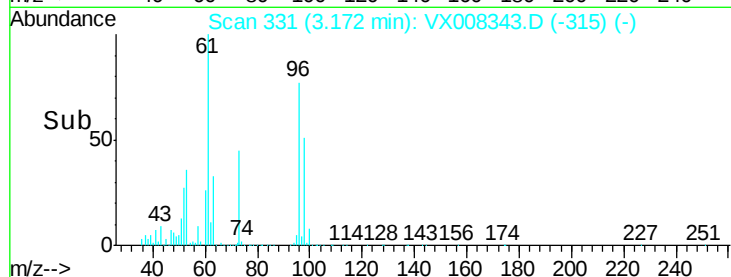
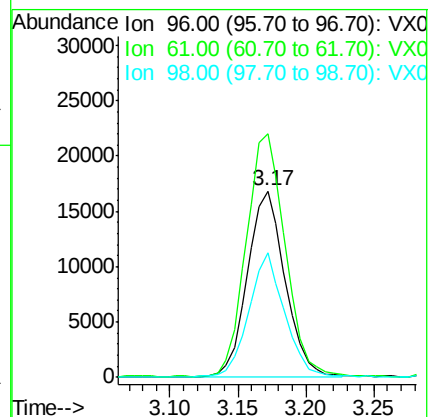
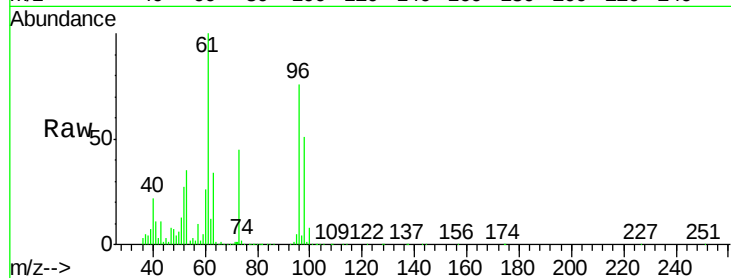
Tot Ion: 96 Resp: 32424

Ion Ratio Lower Upper

96 100

61 130.7 109.9 164.9

98 66.5 50.4 75.6



#20

Diisopropyl ether

Concen: 18.499 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Tgt Ion: 45 Resp: 97940

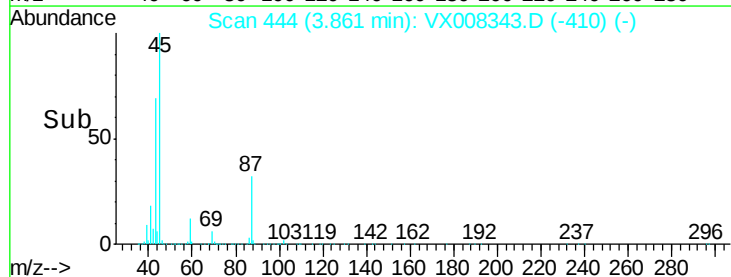
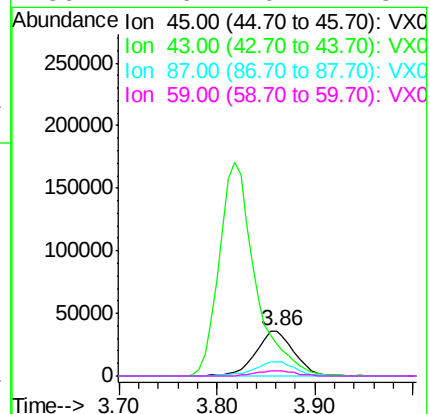
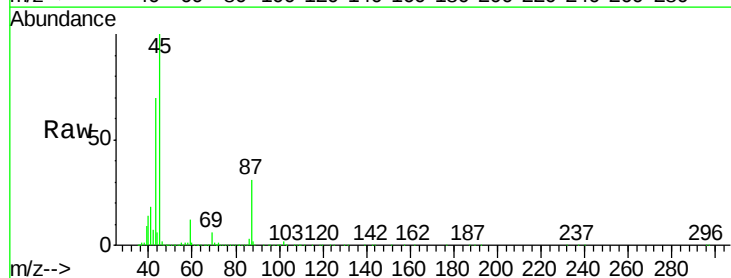
Ion Ratio Lower Upper

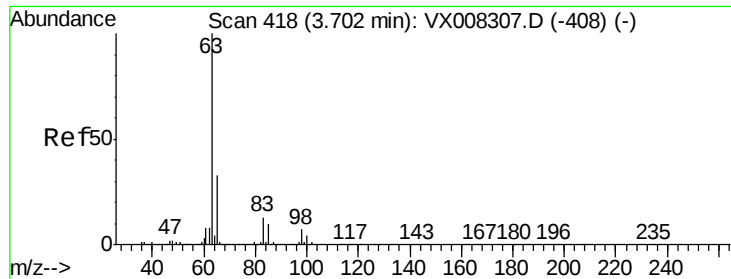
45 100

43 68.3 50.6 76.0

87 31.4 24.5 36.7

59 11.6 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.882 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

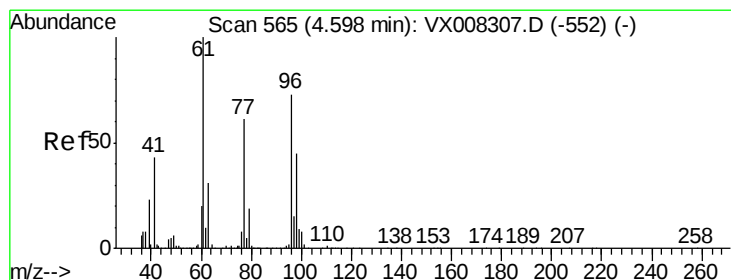
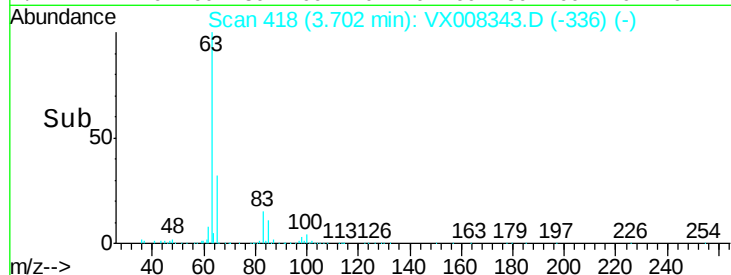
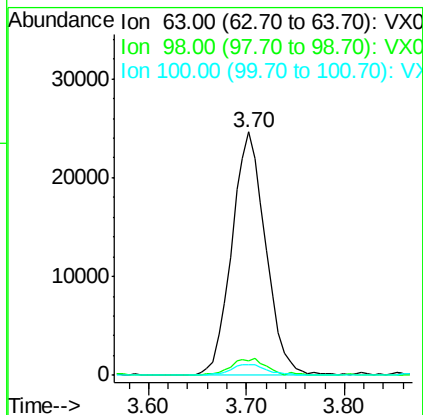
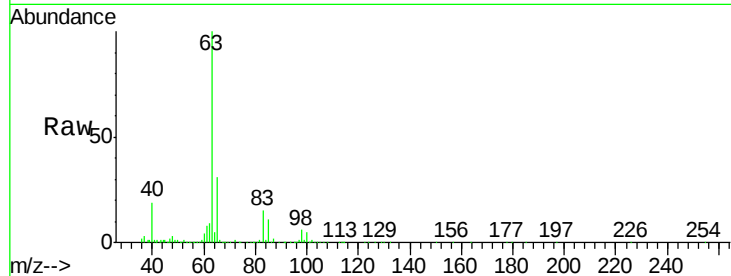
Tot Ion: 63 Resp: 59038

Ion Ratio Lower Upper

63 100

98 6.2 3.8 11.4

100 4.6 2.4 7.1



#22

cis-1,2-Dichloroethene

Concen: 18.358 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

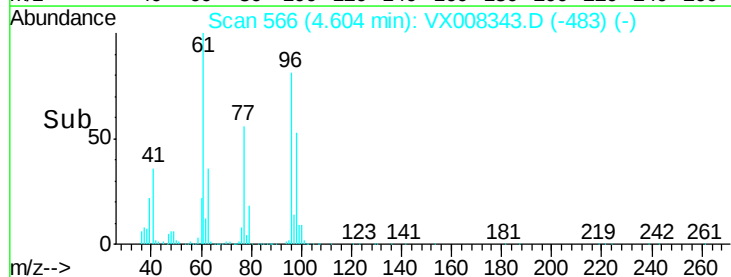
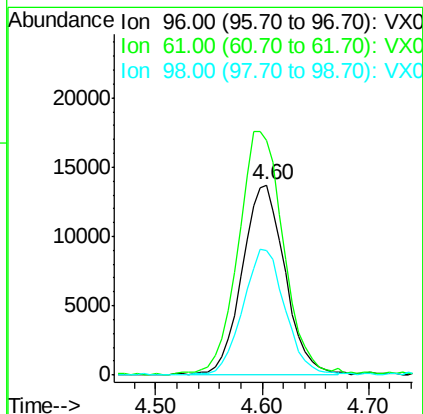
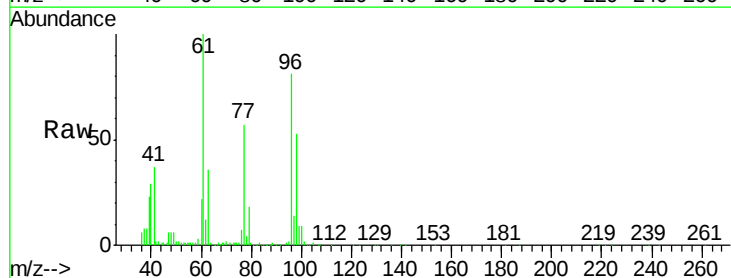
Tgt Ion: 96 Resp: 38566

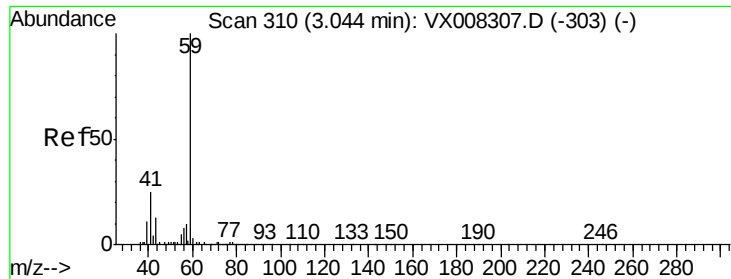
Ion Ratio Lower Upper

96 100

61 135.6 103.5 155.3

98 65.8 52.1 78.1





#23

tert-Butyl Alcohol

Concen: 94.462 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

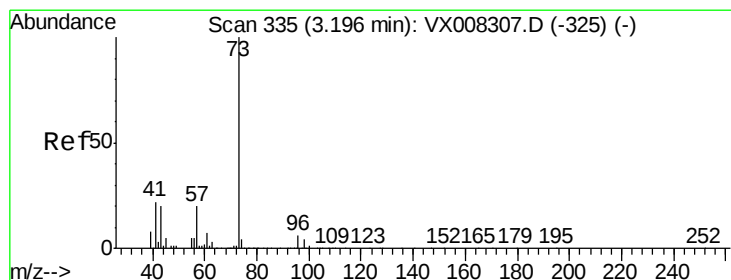
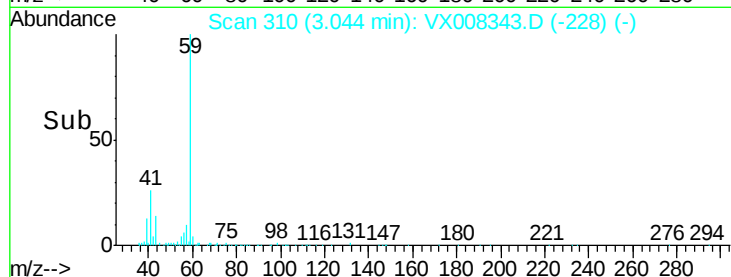
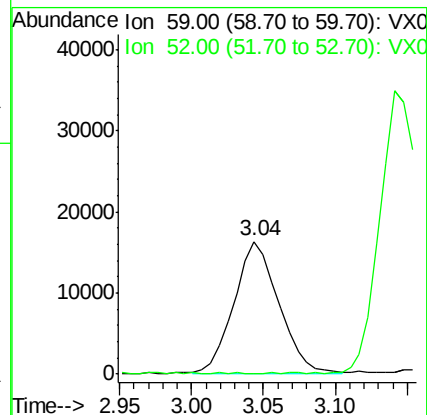
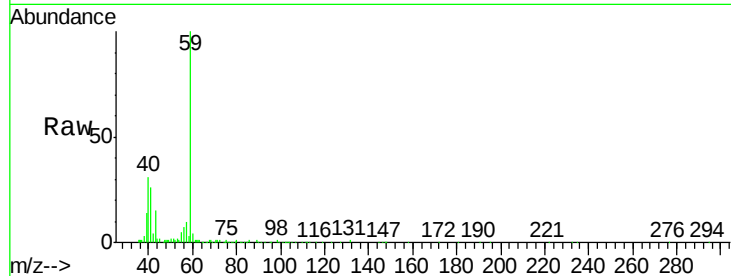
VSTDCCC020EC

Tot Ion: 59 Resp: 35633

Ion Ratio Lower Upper

59 100

52 0.3 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 18.610 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008343.D

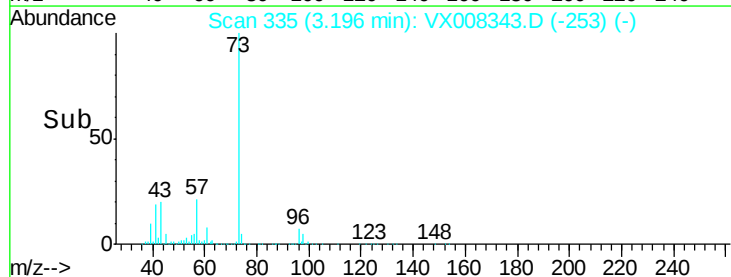
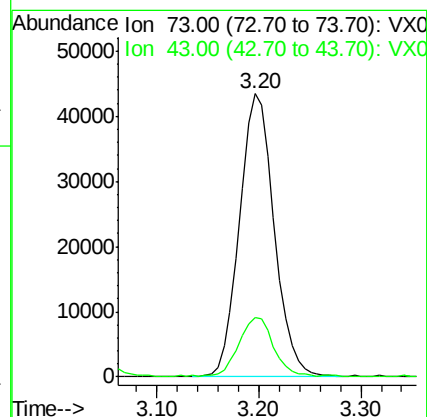
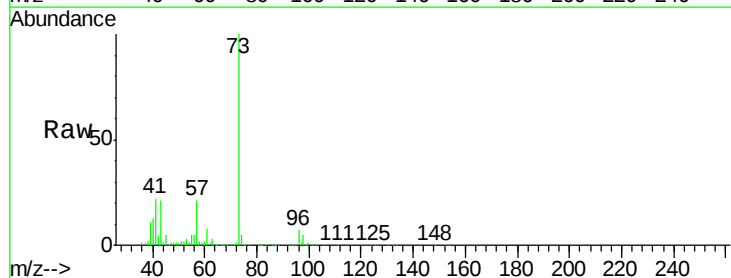
Acq: 22 Mar 2019 17:03

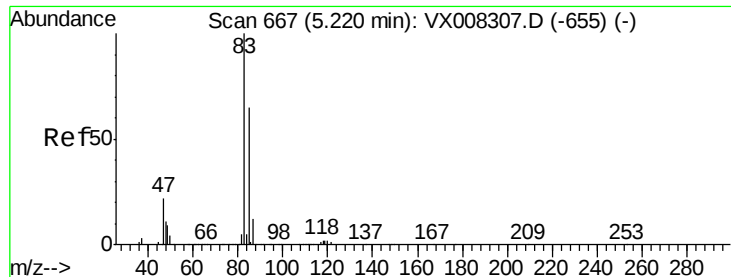
Tgt Ion: 73 Resp: 102588

Ion Ratio Lower Upper

73 100

43 20.3 17.1 25.7





#25

Chloroform

Concen: 18.468 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.01 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

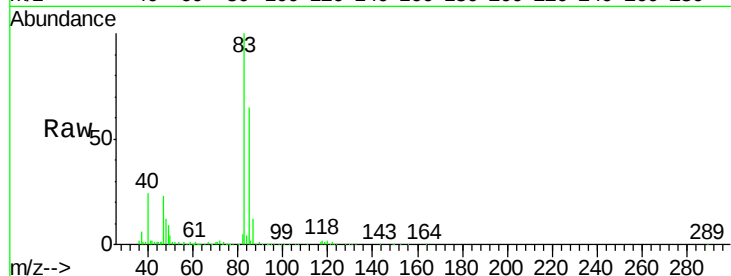
VSTDCCC020EC

Tot Ion: 83 Resp: 61254

Ion Ratio Lower Upper

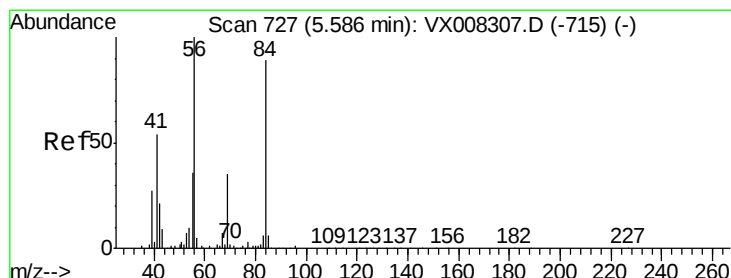
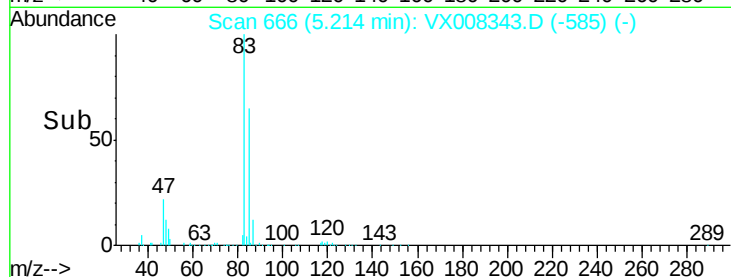
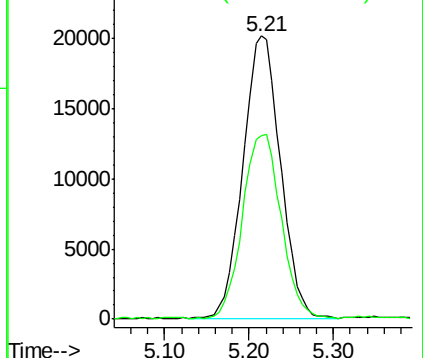
83 100

85 64.7 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.871 ug/l

RT: 5.59 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

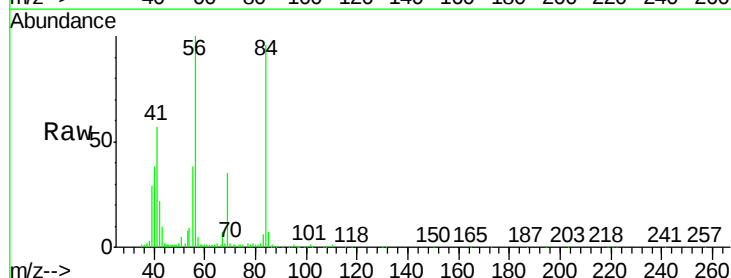
Tgt Ion: 56 Resp: 49418

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

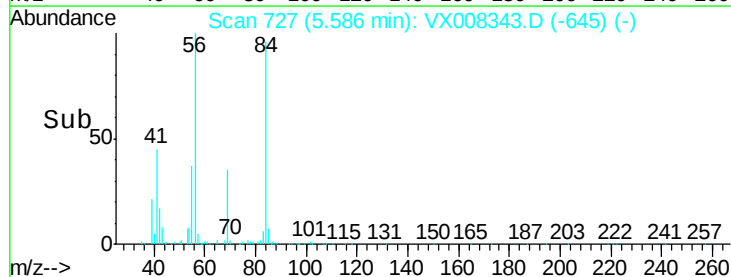
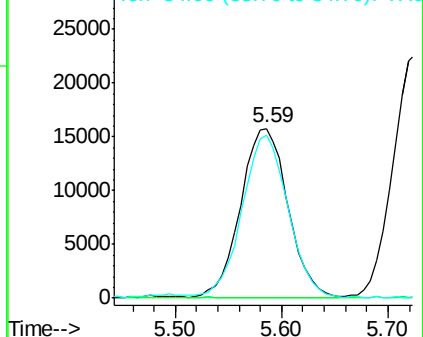
84 92.4 73.9 110.9

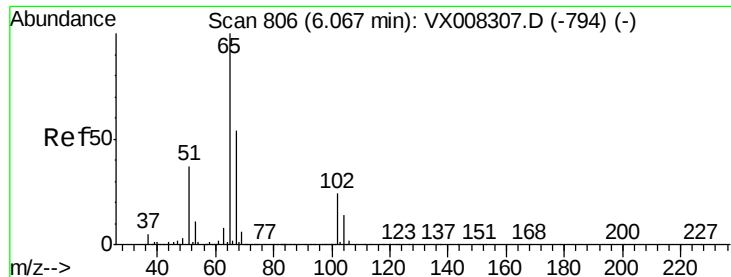


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.209 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

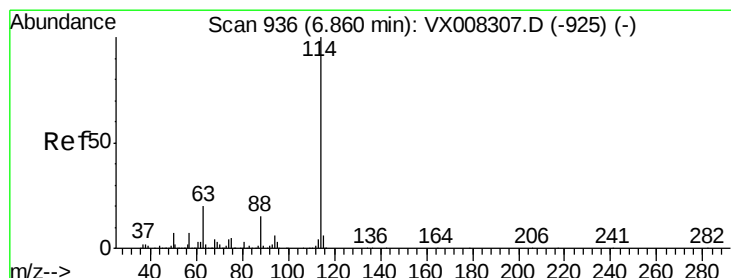
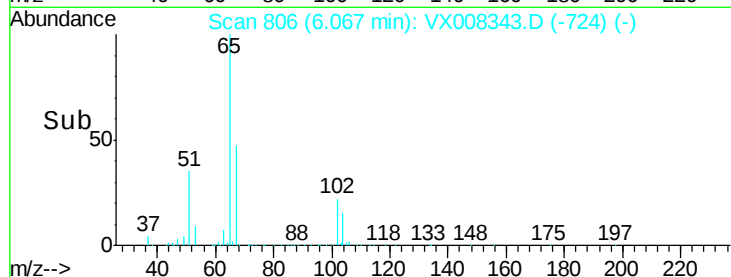
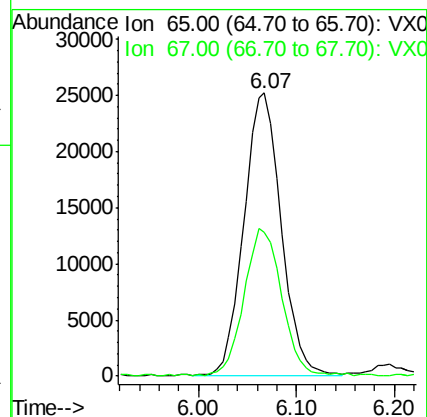
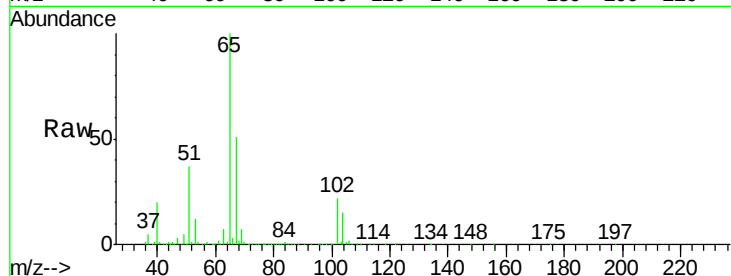
VSTDCCC020EC

Tot Ion: 65 Resp: 65922

Ion Ratio Lower Upper

65 100

67 52.7 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

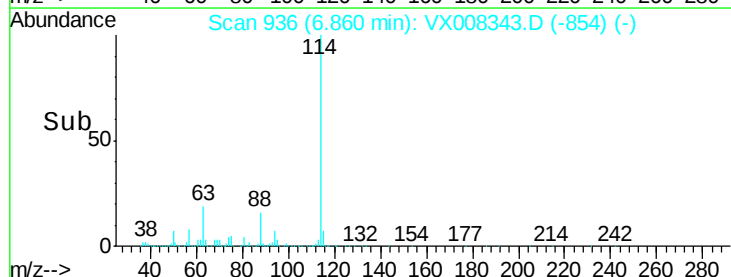
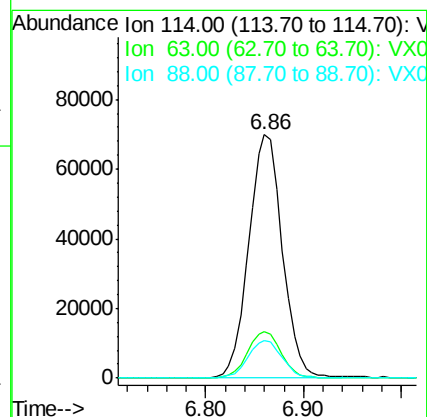
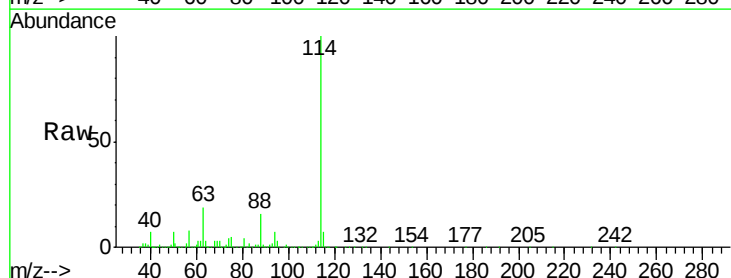
Tgt Ion: 114 Resp: 166421

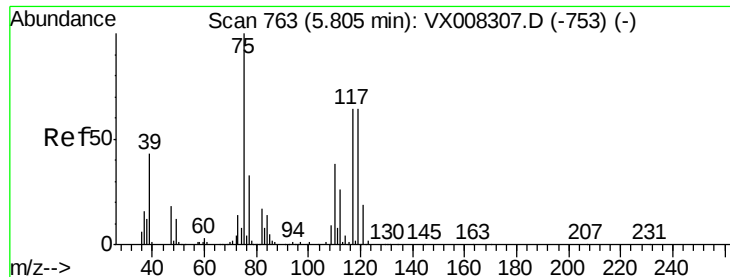
Ion Ratio Lower Upper

114 100

63 18.6 14.2 21.4

88 15.7 11.9 17.9





#29

1,1-Dichloropropene

Concen: 18.541 ug/l

RT: 5.81 min Scan# 763

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

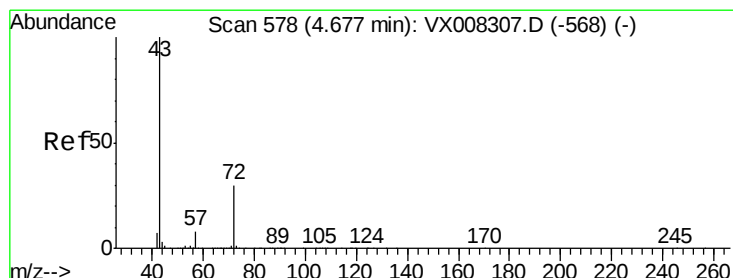
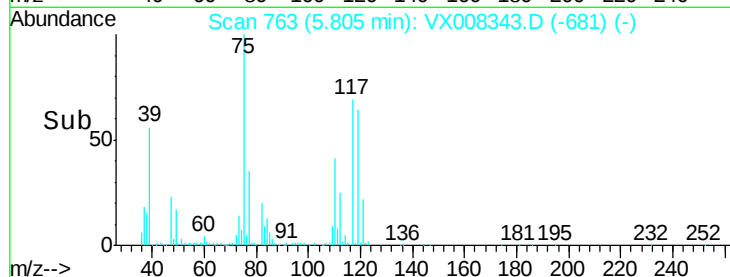
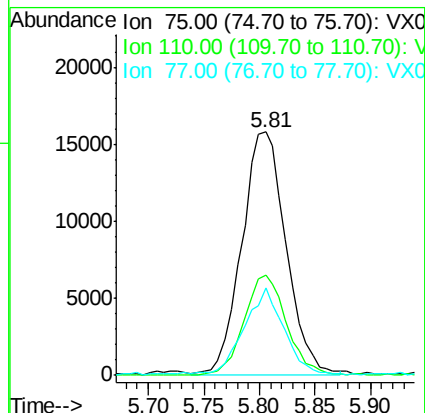
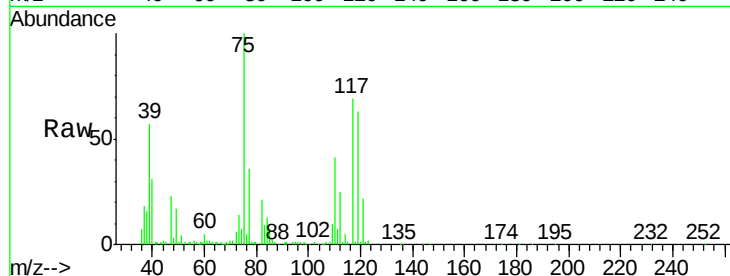
Tot Ion: 75 Resp: 43824

Ion Ratio Lower Upper

75 100

110 39.5 0.0 80.8

77 32.1 0.0 62.4



#30

2-Butanone

Concen: 87.765 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

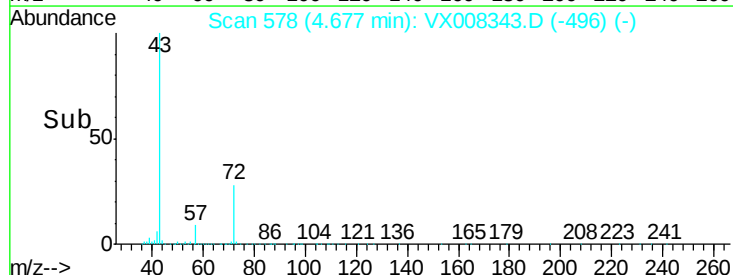
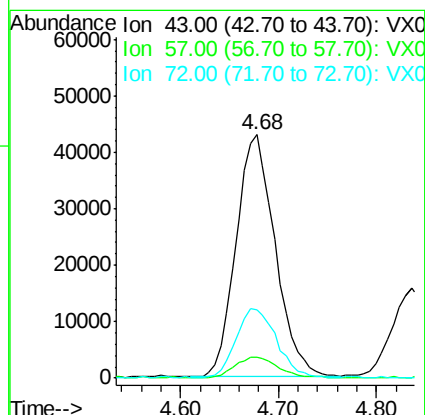
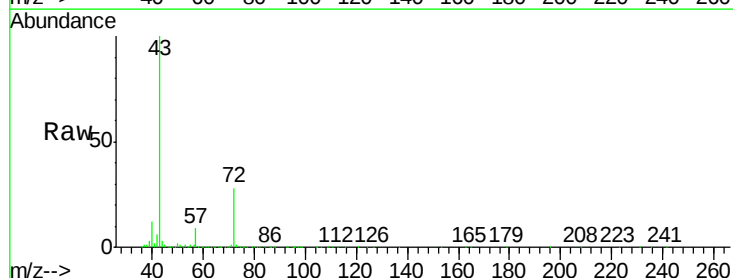
Tgt Ion: 43 Resp: 119487

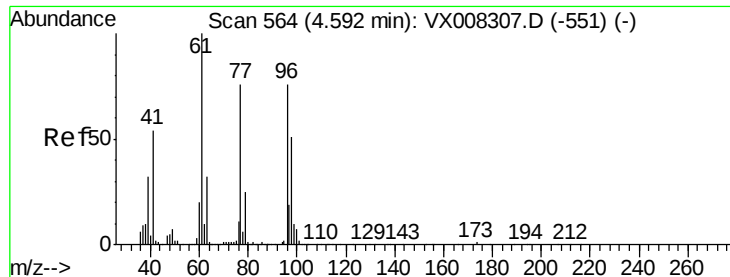
Ion Ratio Lower Upper

43 100

57 9.5 7.0 10.6

72 28.8 21.5 32.3





#31

2,2-Dichloropropane

Concen: 18.086 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

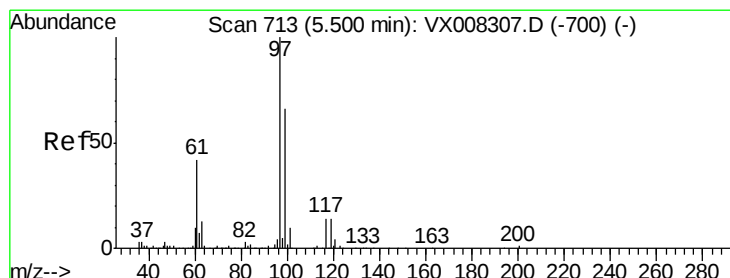
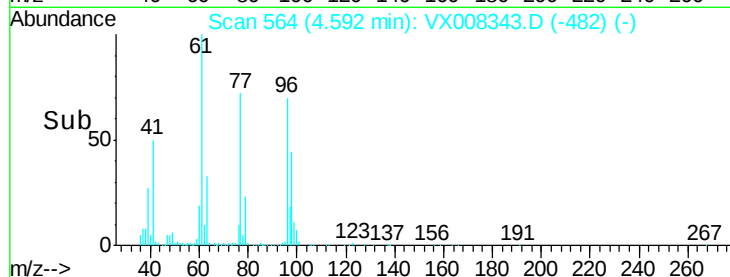
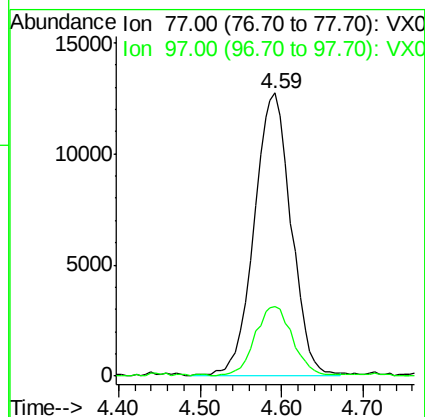
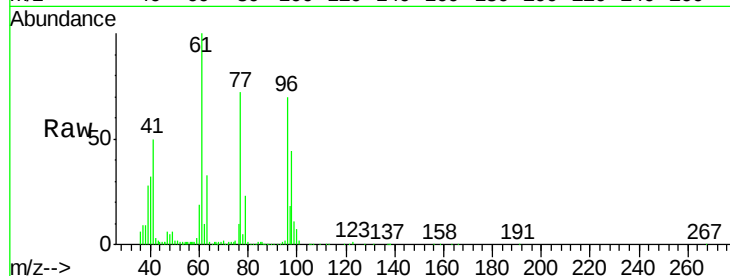
VSTDCCC020EC

Tot Ion: 77 Resp: 40249

Ion Ratio Lower Upper

77 100

97 25.2 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 18.922 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

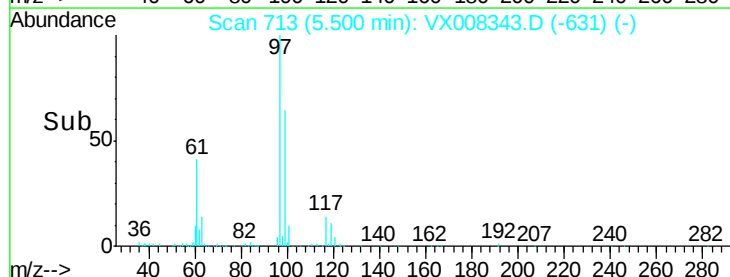
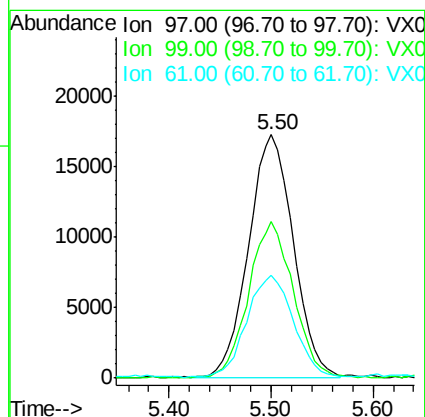
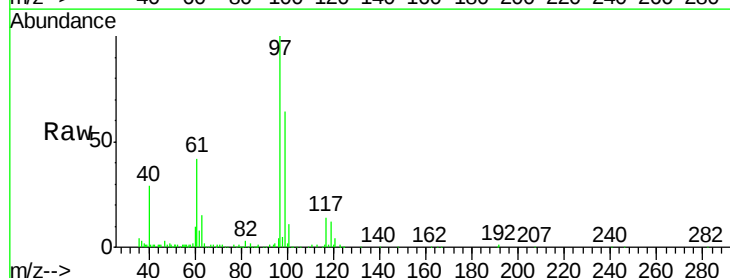
Tgt Ion: 97 Resp: 52625

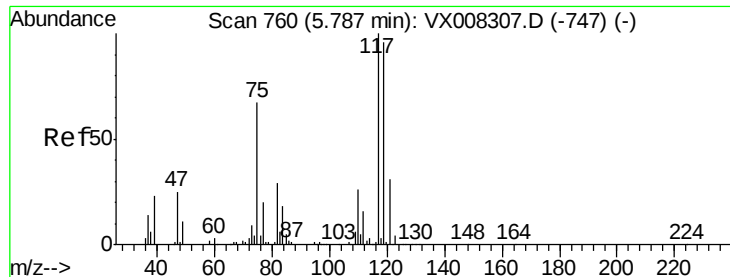
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 44.5 32.8 49.2





#33

Carbon Tetrachloride

Concen: 18.005 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

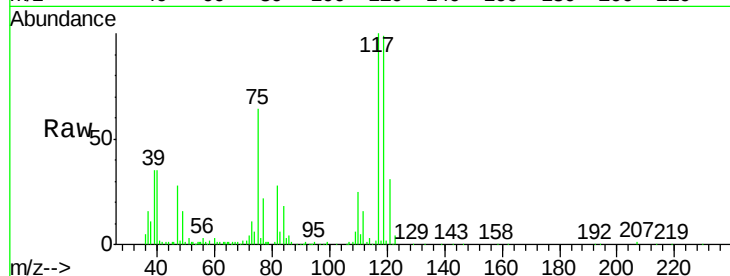
Tot Ion:117 Resp: 45988

Ion Ratio Lower Upper

117 100

119 99.0 78.1 117.1

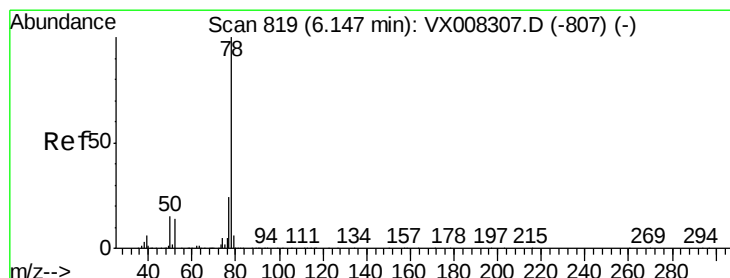
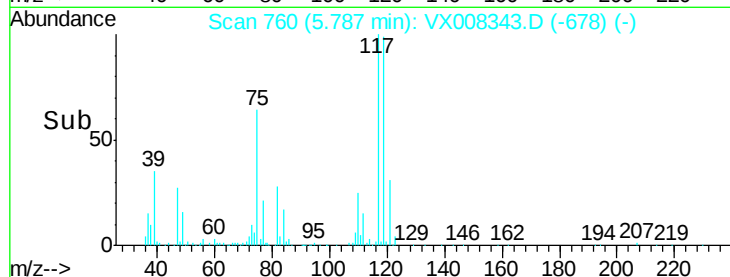
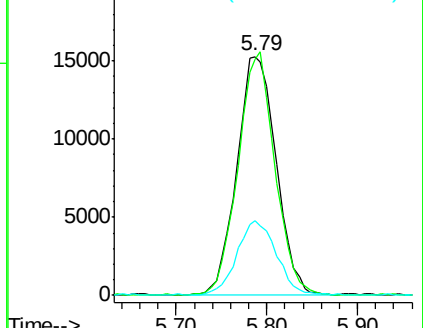
121 31.3 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.369 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

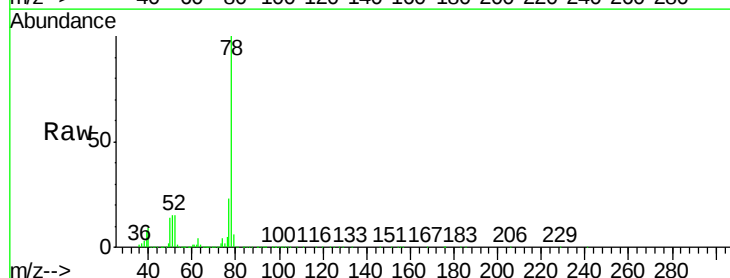
Tgt Ion: 78 Resp: 136373

Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7

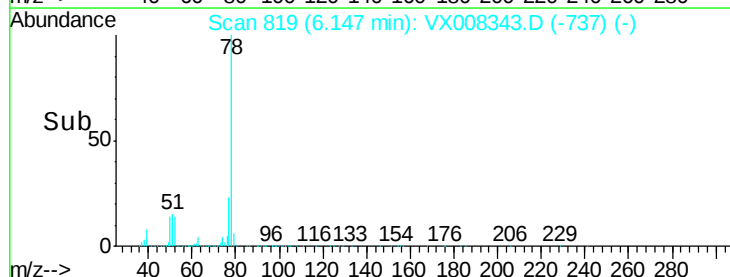
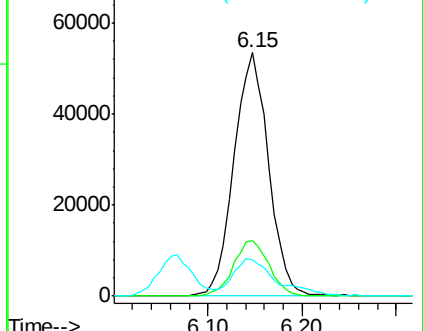
51 14.0 10.8 16.2

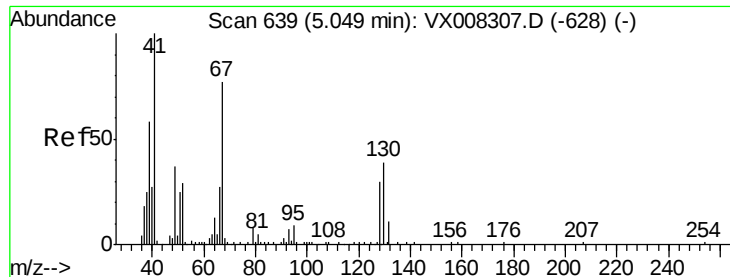


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

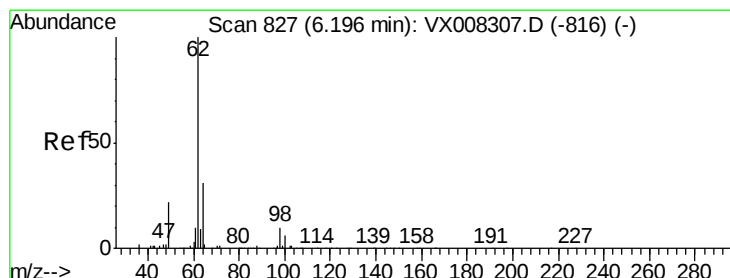
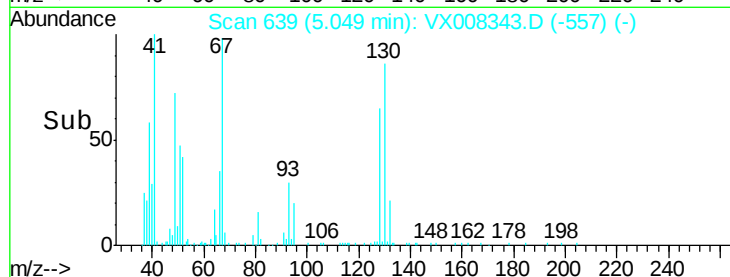
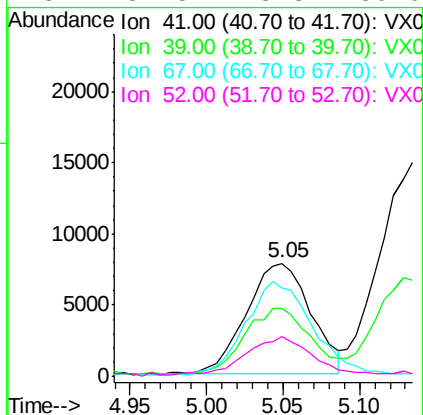
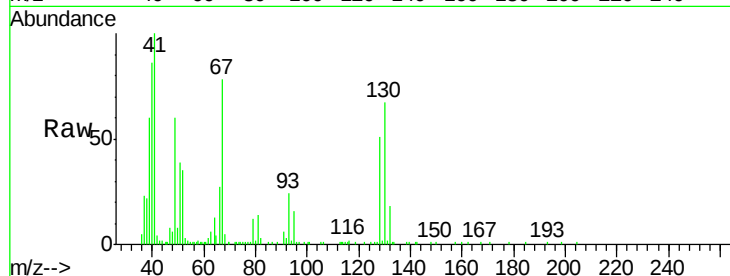




#35
Methacrylonitrile
Concen: 17.866 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

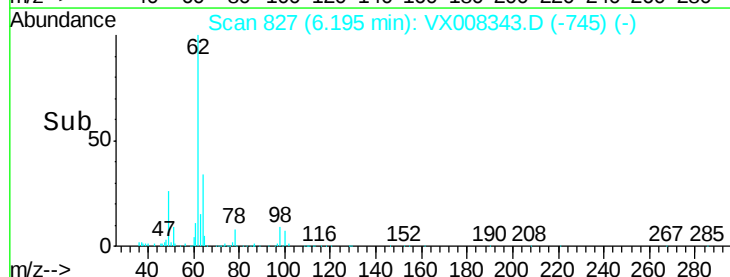
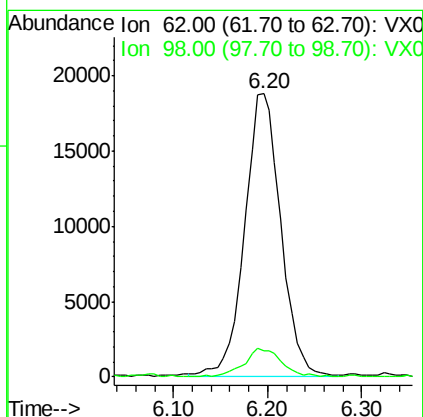
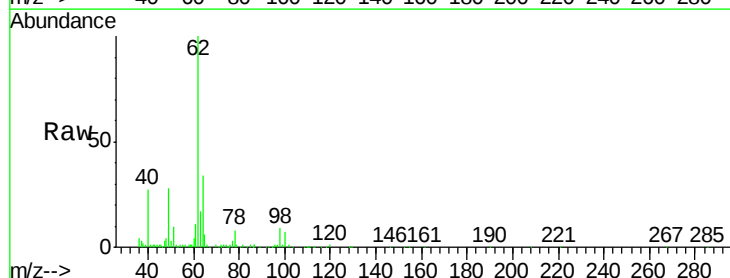
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

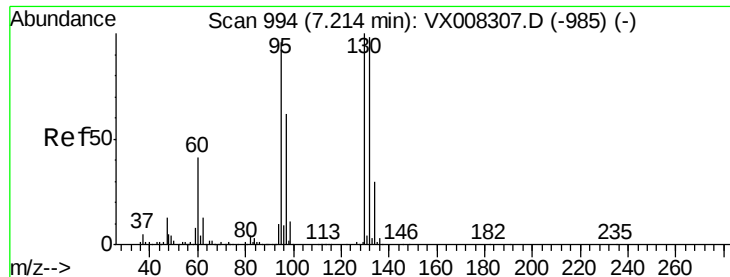
Tot Ion:	41	Resp:	22657
Ion	Ratio	Lower	Upper
41	100		
39	59.0	27.4	82.0
67	78.2	37.9	113.6
52	31.8	13.3	39.9



#36
1,2-Dichloroethane
Concen: 19.556 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion:	62	Resp:	50750
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.8	11.8





#37

Trichloroethene

Concen: 18.175 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

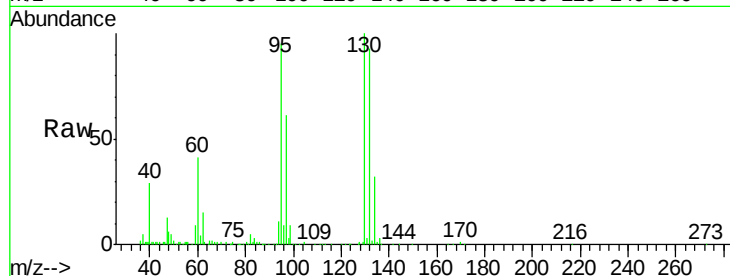
VSTDCCC020EC

Tot Ion:130 Resp: 37624

Ion Ratio Lower Upper

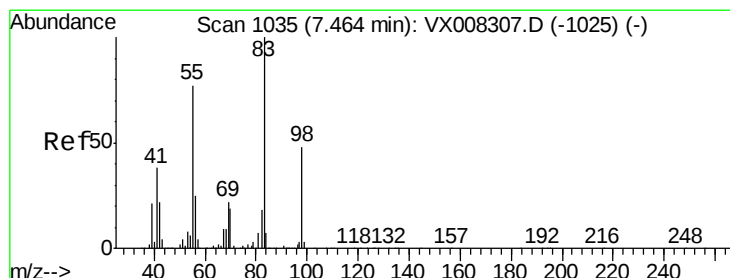
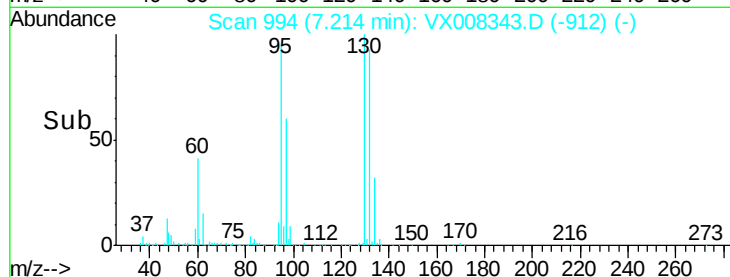
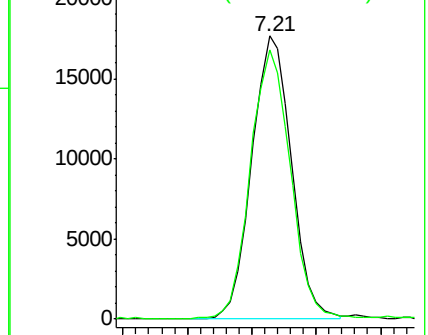
130 100

95 95.3 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 17.080 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

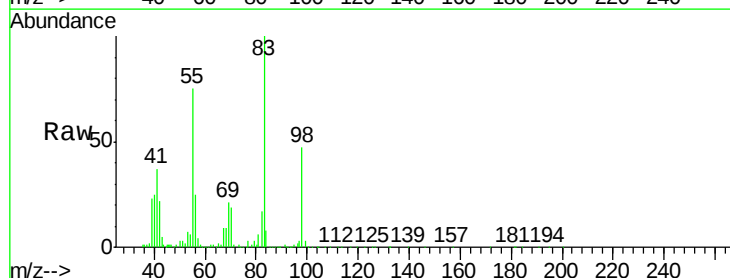
Tgt Ion: 83 Resp: 50598

Ion Ratio Lower Upper

83 100

55 71.0 36.0 108.0

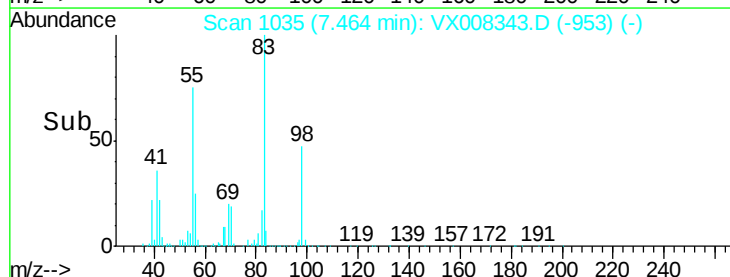
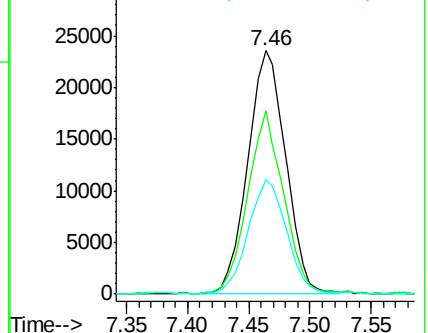
98 48.3 23.8 71.4

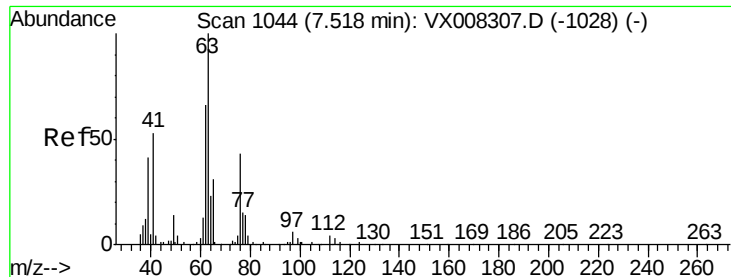


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

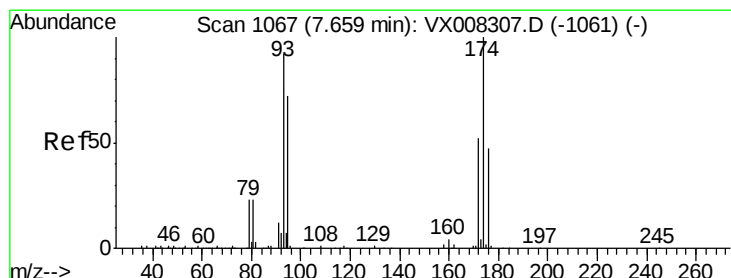
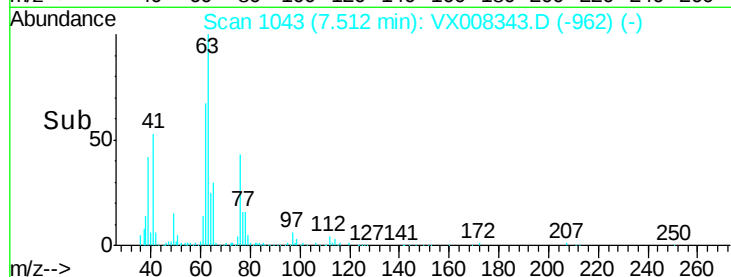
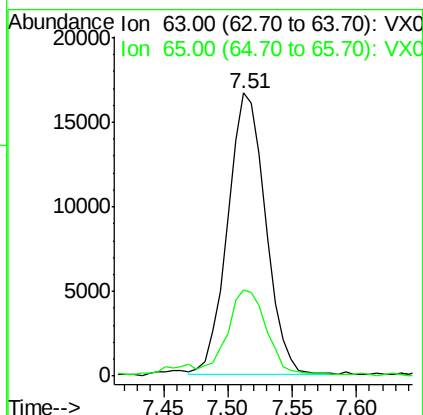
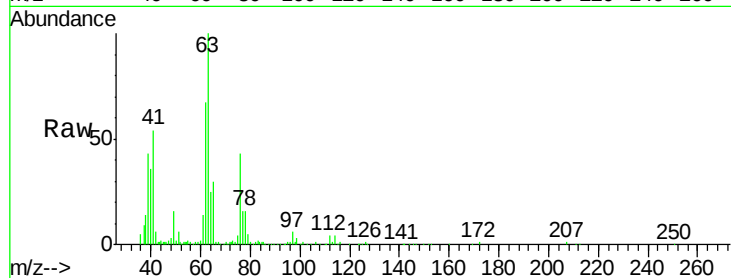




#39
 1,2-Dichloropropane
 Concen: 19.081 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

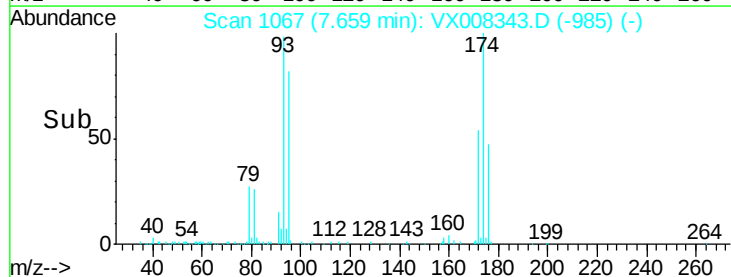
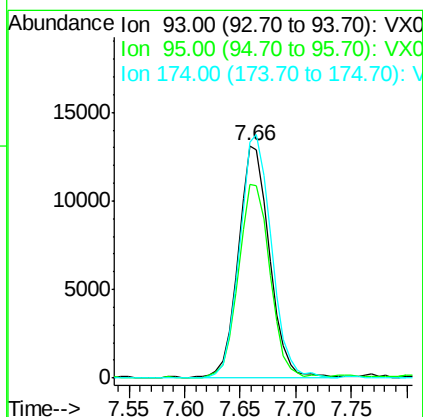
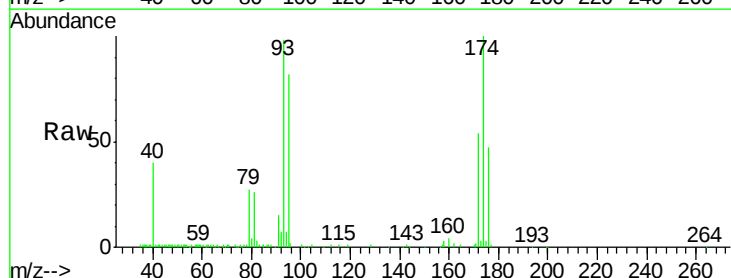
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

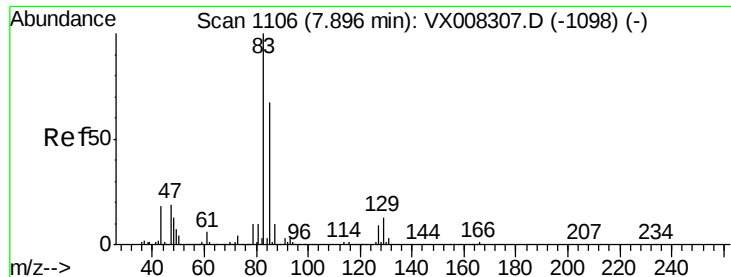
Tot Ion: 63 Resp: 34185
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#40
 Dibromomethane
 Concen: 19.536 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion: 93 Resp: 25670
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 158.8
 174 105.7 0.0 224.2





#41

Bromodichloromethane

Concen: 18.901 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

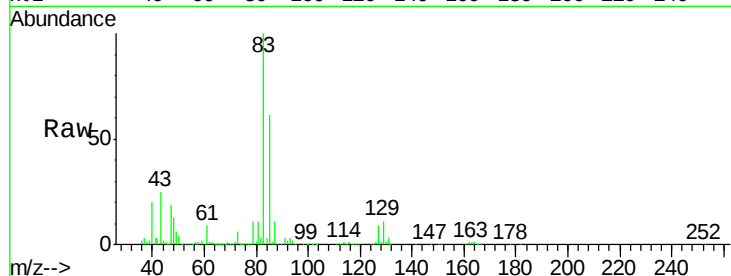
Tot Ion: 83 Resp: 47127

Ion Ratio Lower Upper

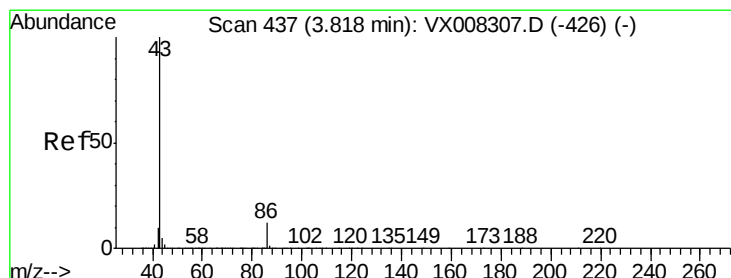
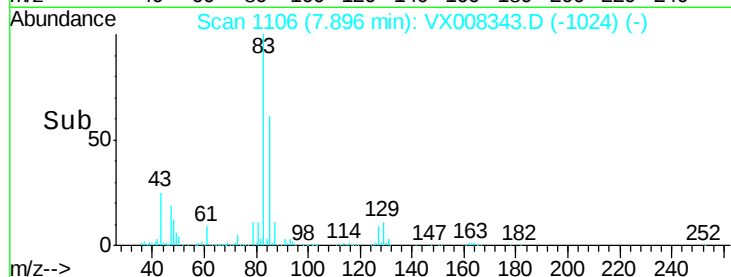
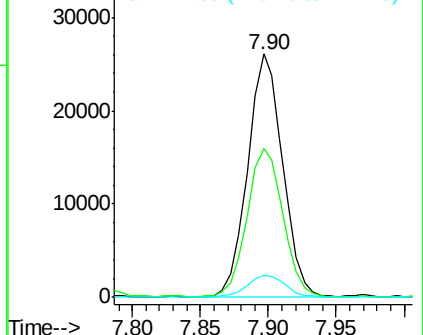
83 100

85 61.0 51.1 76.7

127 9.4 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 94.963 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008343.D

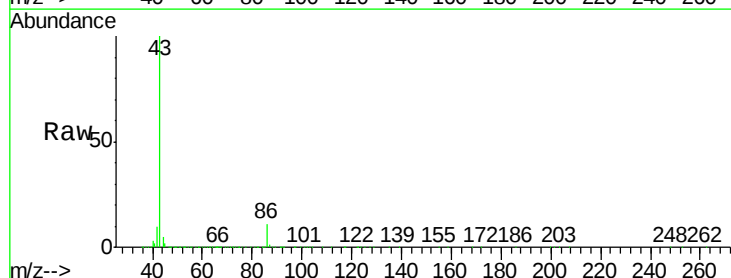
Acq: 22 Mar 2019 17:03

Tgt Ion: 43 Resp: 434548

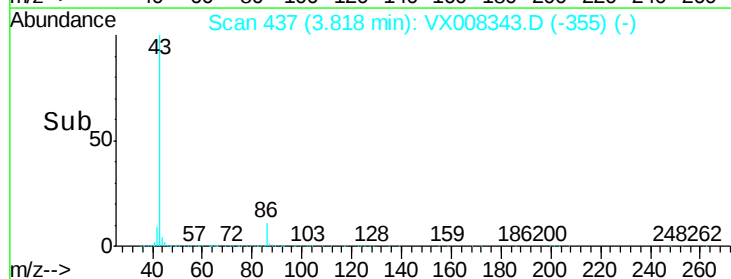
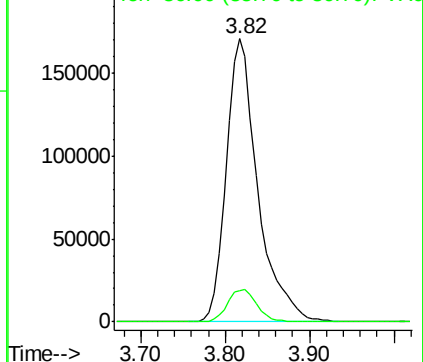
Ion Ratio Lower Upper

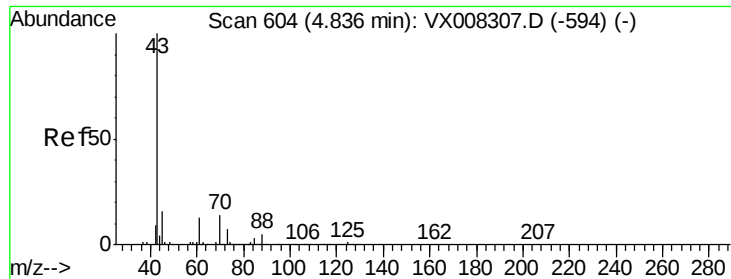
43 100

86 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

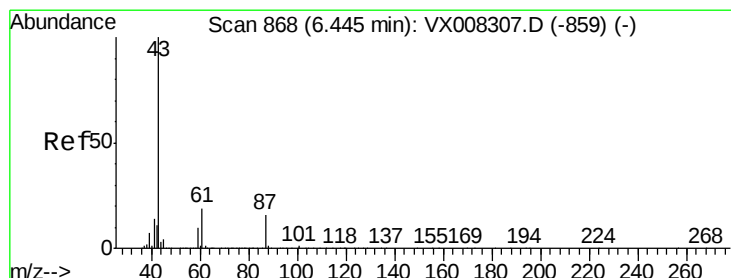
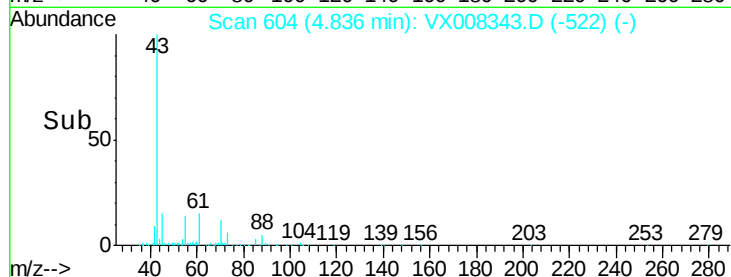
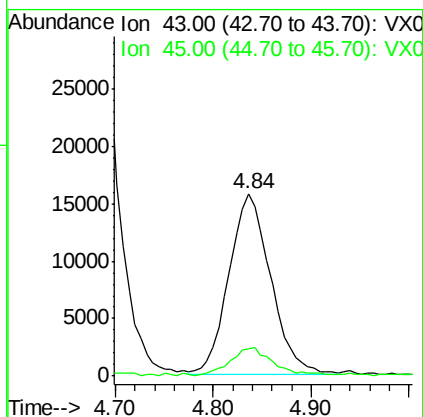
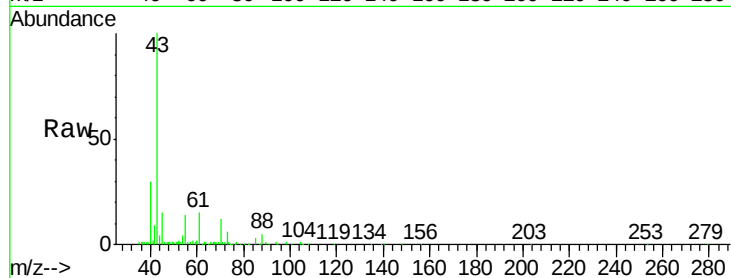




#43
Ethyl Acetate
Concen: 19.572 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

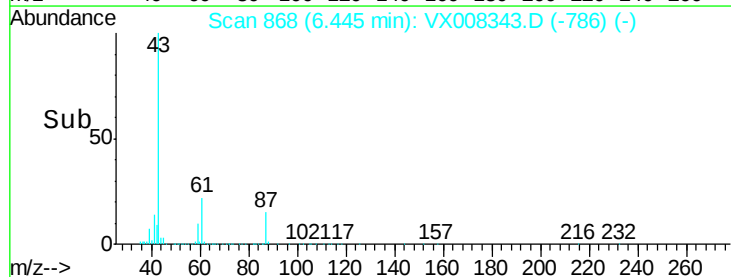
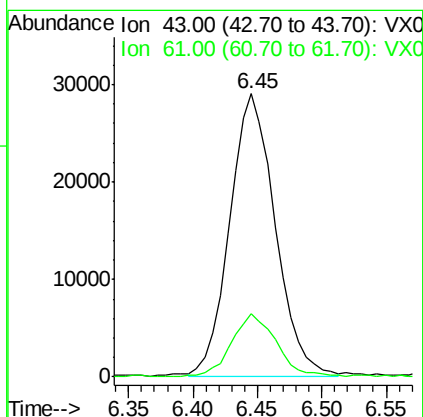
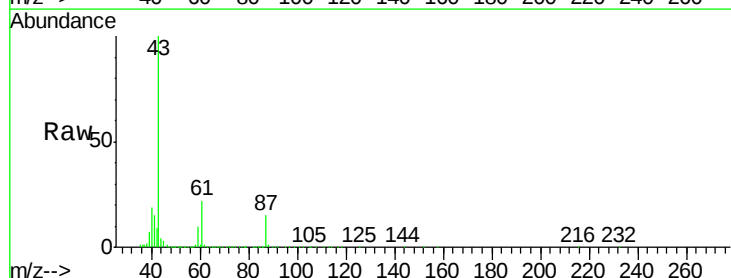
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

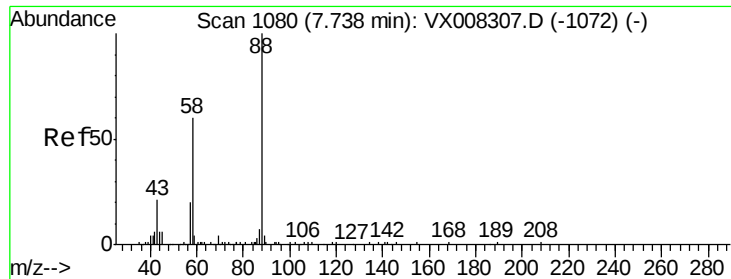
Tot Ion: 43 Resp: 47034
Ion Ratio Lower Upper
43 100
45 15.9 6.9 10.3#



#44
Isopropyl Acetate
Concen: 18.774 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion: 43 Resp: 71004
Ion Ratio Lower Upper
43 100
61 21.4 16.1 24.1





#45

1,4-Dioxane

Concen: 387.777 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

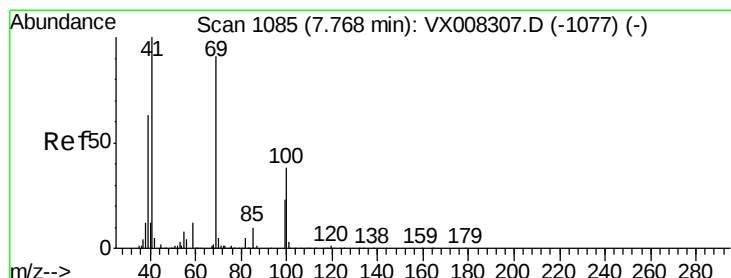
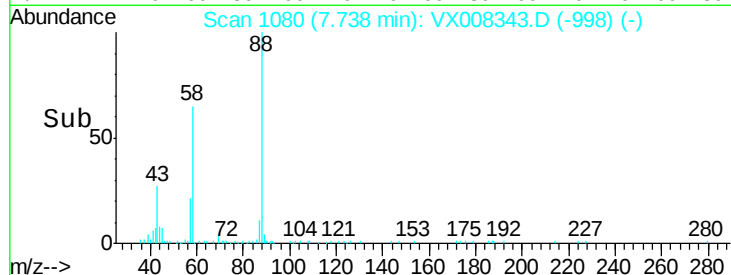
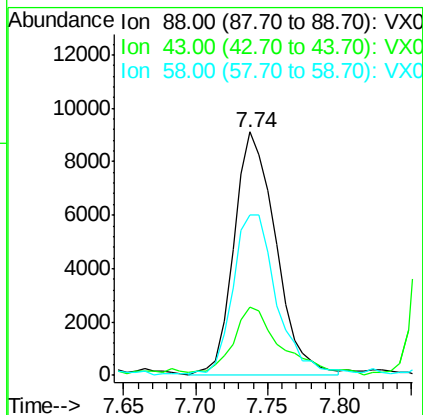
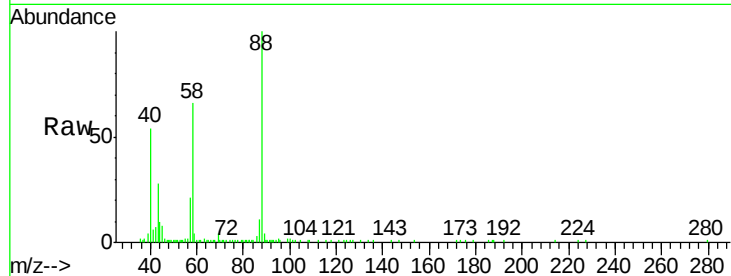
Tot Ion: 88 Resp: 18446

Ion Ratio Lower Upper

88 100

43 28.1 23.6 35.4

58 67.4 51.6 77.4



#46

Methyl methacrylate

Concen: 18.822 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

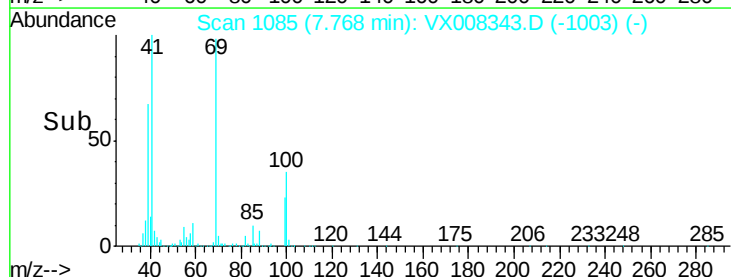
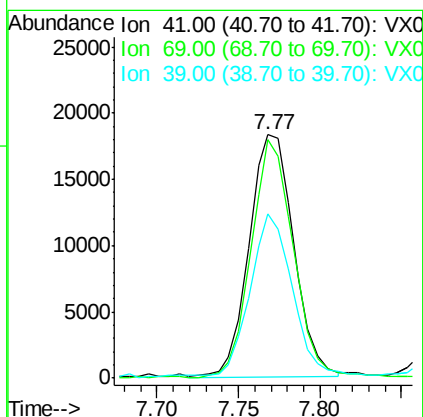
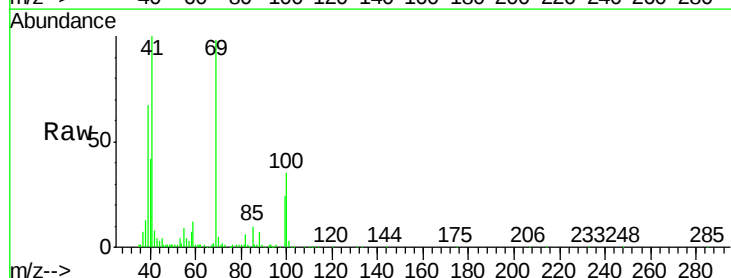
Tgt Ion: 41 Resp: 34928

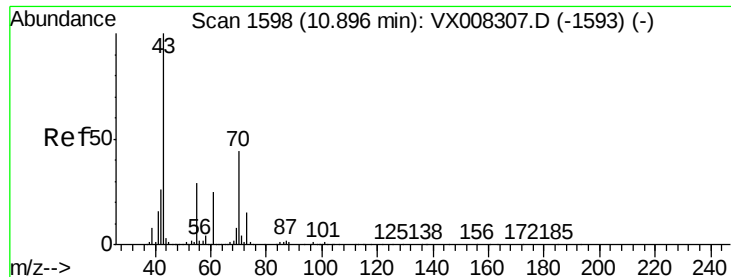
Ion Ratio Lower Upper

41 100

69 98.5 44.2 132.6

39 66.8 29.9 89.8





#47

n-amvl Acetate

Concen: 18.379 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

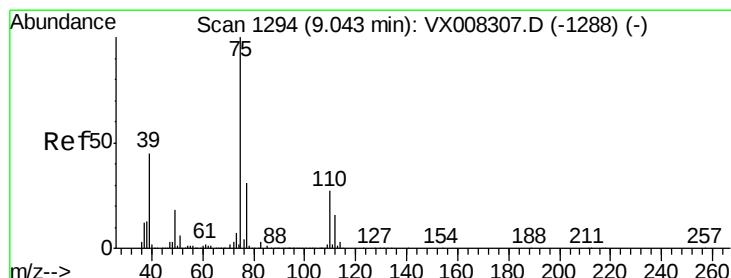
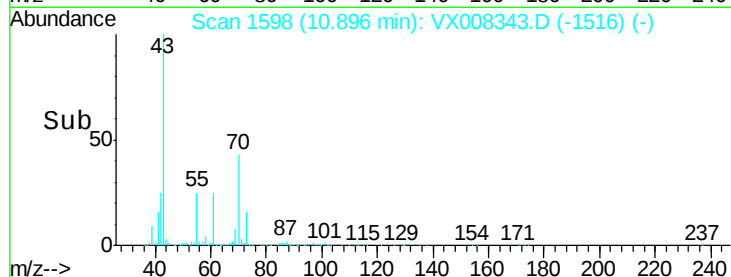
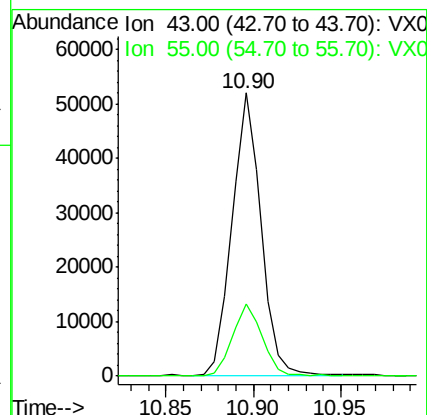
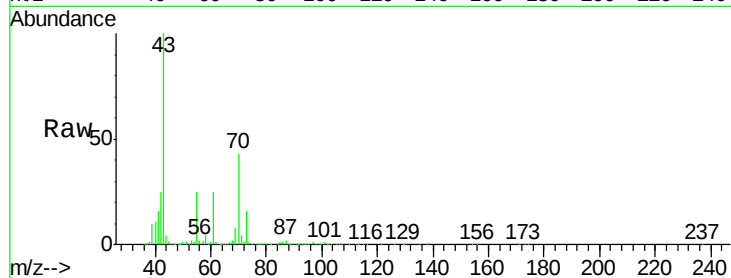
VSTDCCC020EC

Tot Ion: 43 Resp: 59593

Ion Ratio Lower Upper

43 100

55 26.0 20.8 31.2



#48

t-1,3-Dichloropropene

Concen: 17.574 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008343.D

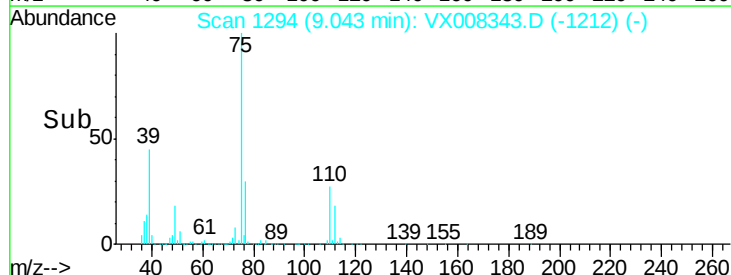
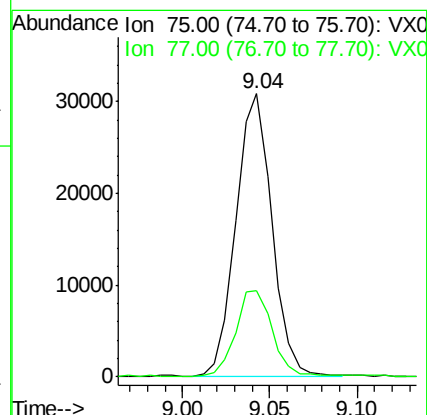
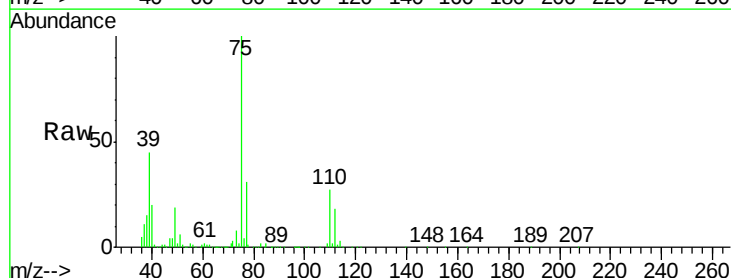
Acq: 22 Mar 2019 17:03

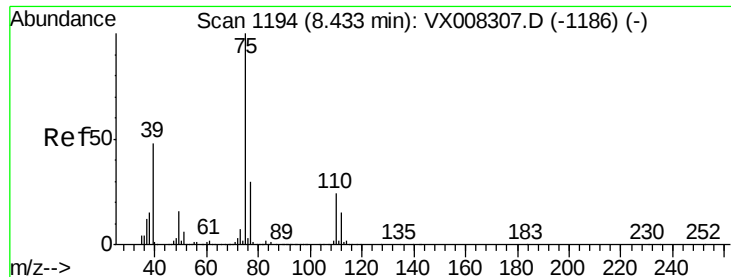
Tgt Ion: 75 Resp: 43872

Ion Ratio Lower Upper

75 100

77 30.2 24.5 36.7



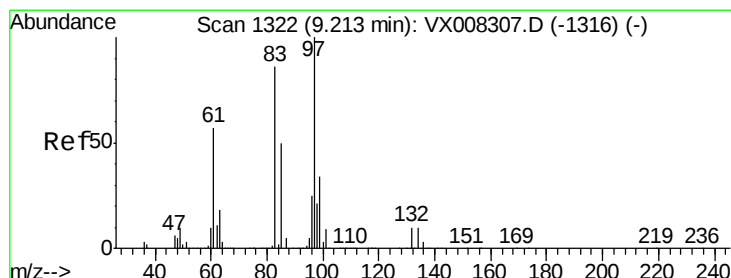
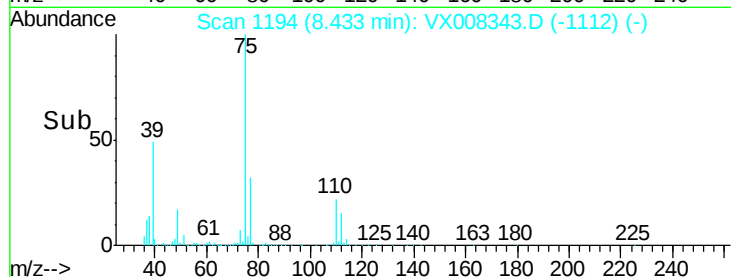
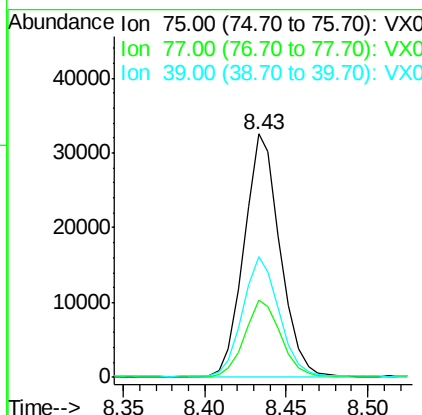
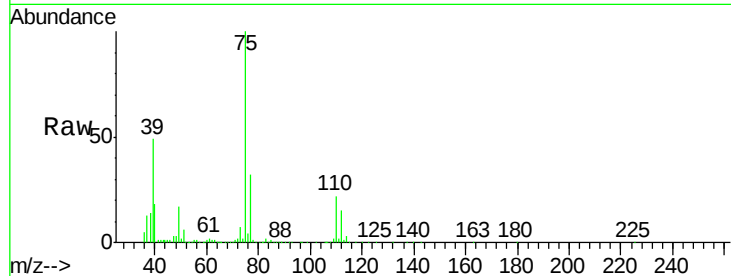


#49

cis-1,3-Dichloropropene
 Concen: 17.919 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

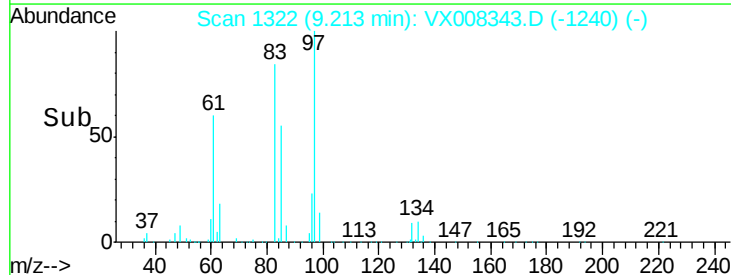
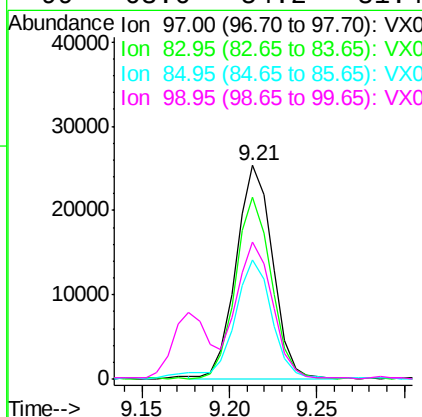
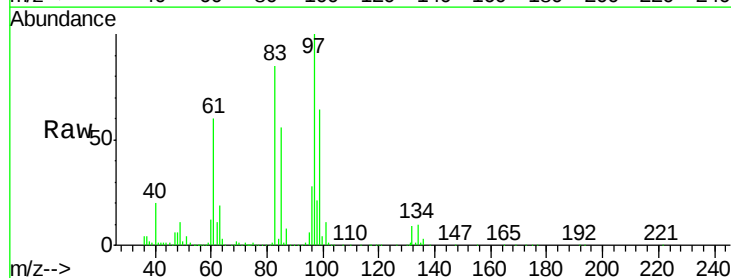
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	49.0	38.5	57.7

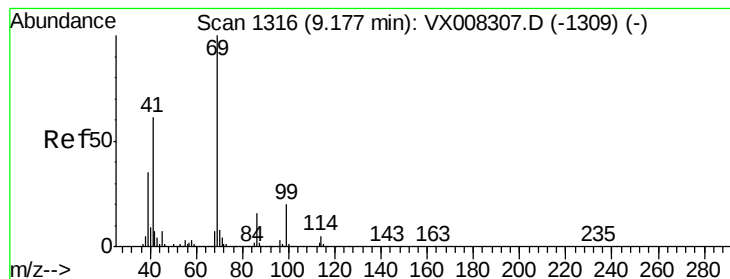


#50

1,1,2-Trichloroethane
 Concen: 19.531 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.0	108.0
85	55.7	45.0	67.6
99	63.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.498 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

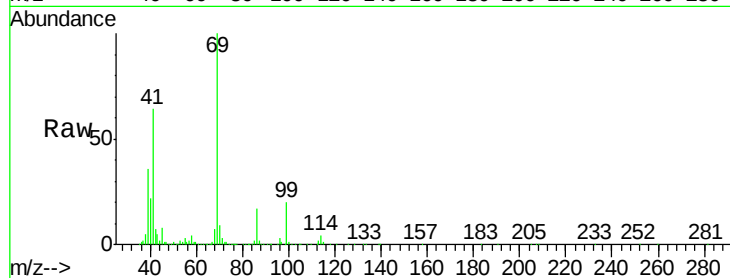
Tot Ion: 69 Resp: 53734

Ion Ratio Lower Upper

69 100

41 63.4 32.1 96.5

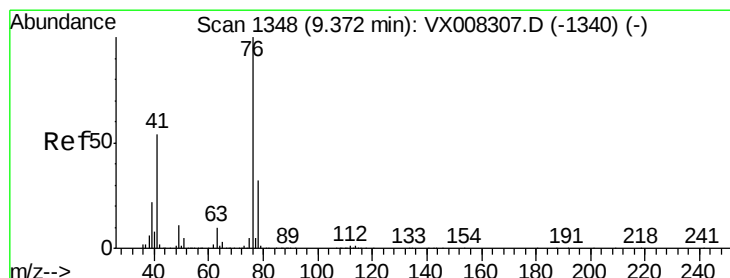
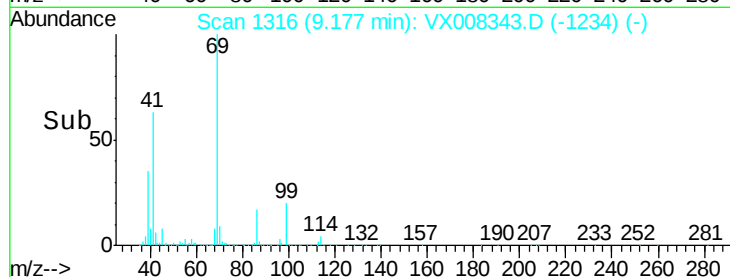
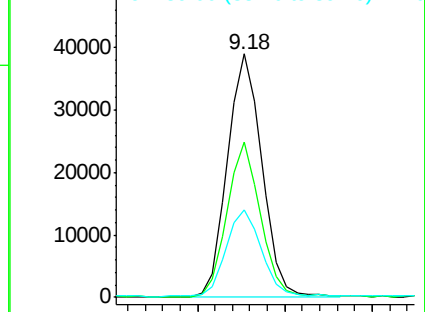
39 35.6 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.443 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008343.D

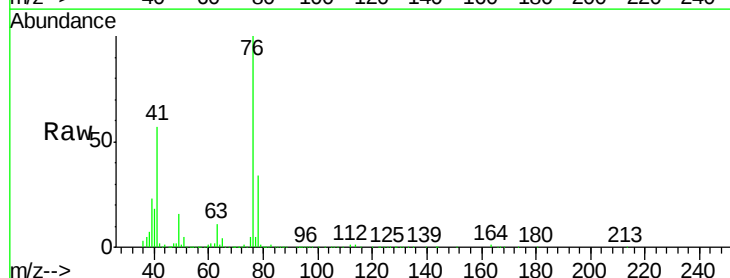
Acq: 22 Mar 2019 17:03

Tgt Ion: 76 Resp: 58863

Ion Ratio Lower Upper

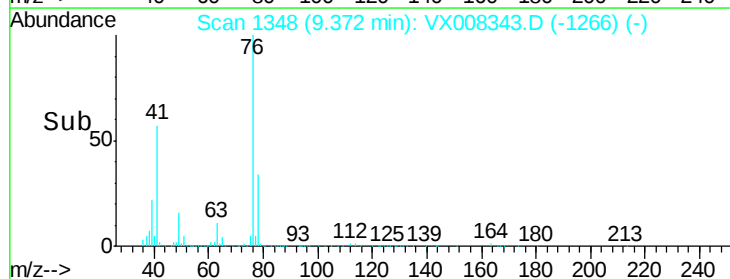
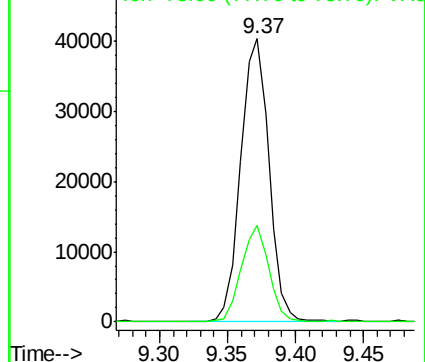
76 100

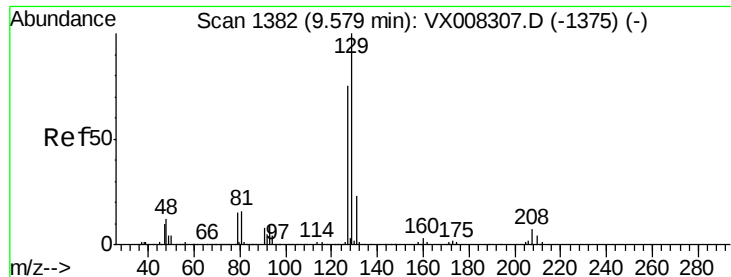
78 33.0 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

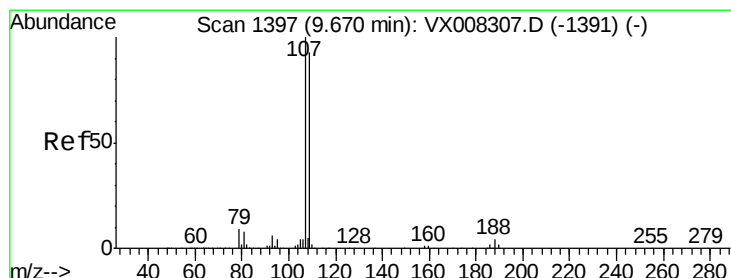
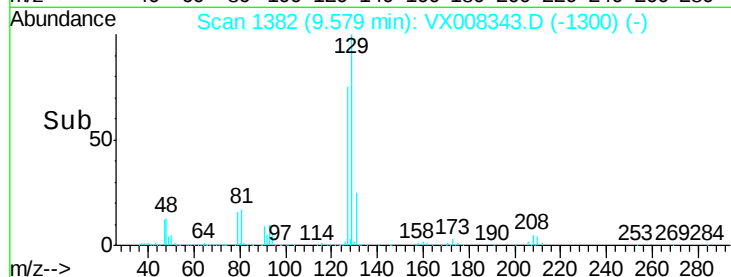
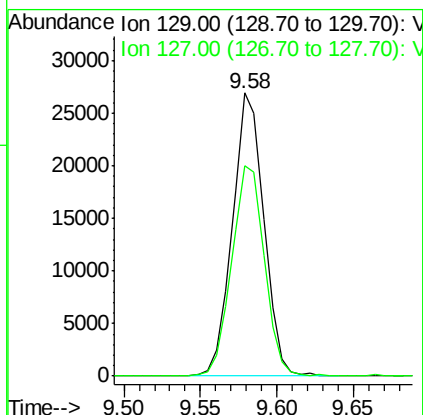
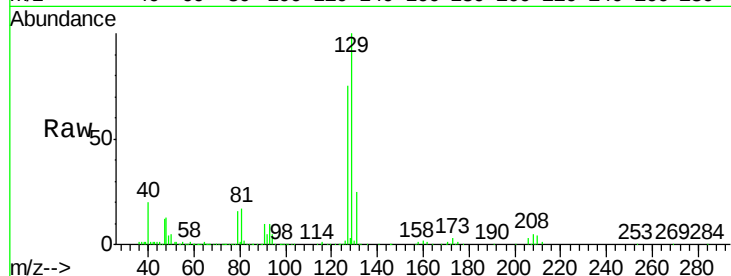




#53
Dibromochloromethane
Concen: 18.049 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

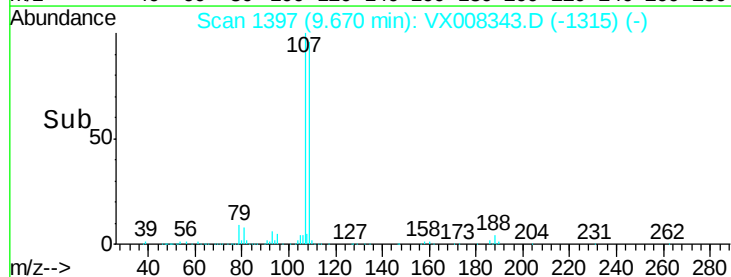
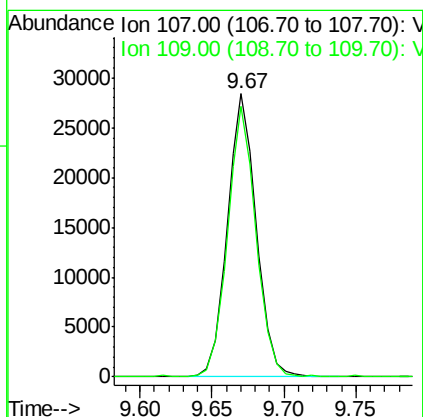
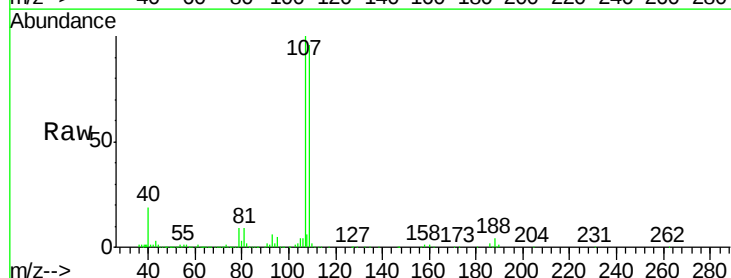
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

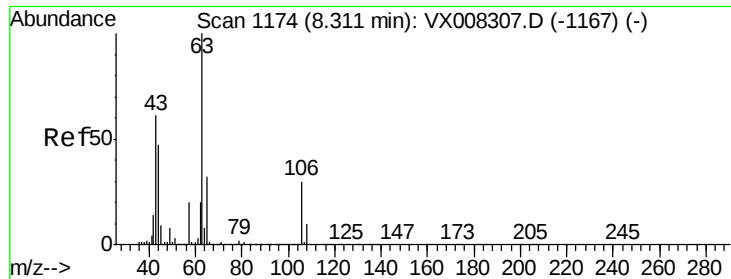
Tot Ion:129 Resp: 38407
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2



#54
1,2-Dibromoethane
Concen: 19.260 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion:107 Resp: 39889
Ion Ratio Lower Upper
107 100
109 94.0 76.6 115.0

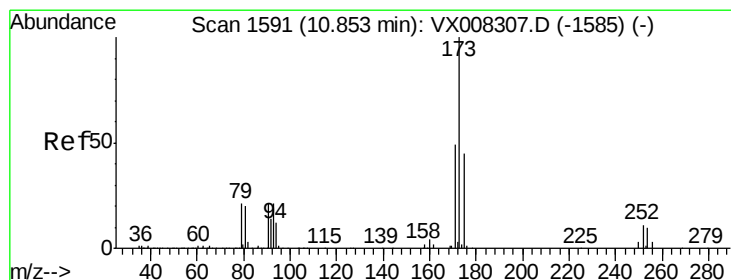
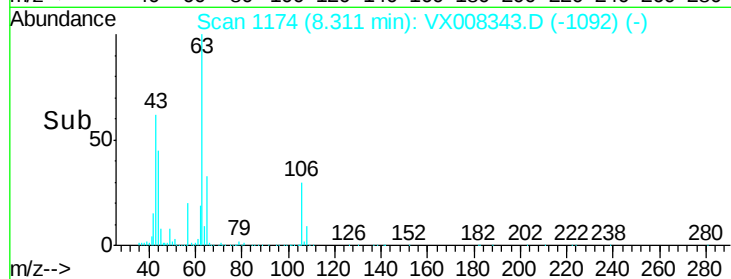
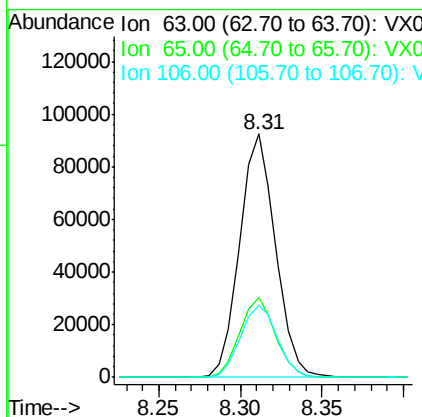
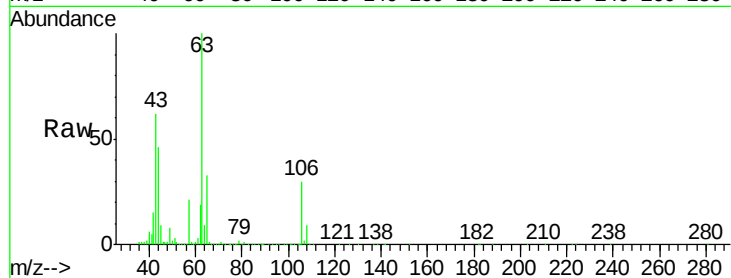




#55
 2-Chloroethyl vinyl ether
 Concen: 101.598 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

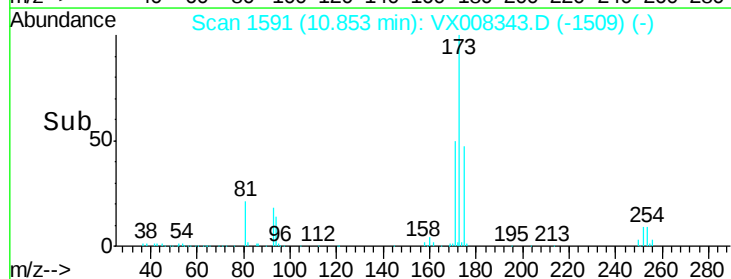
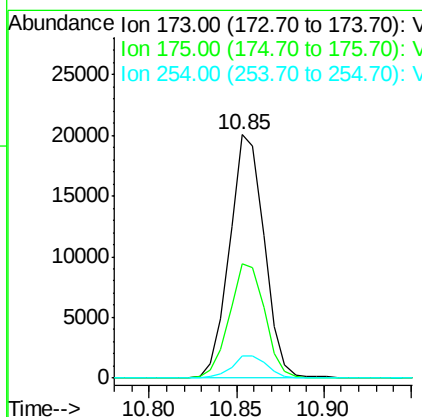
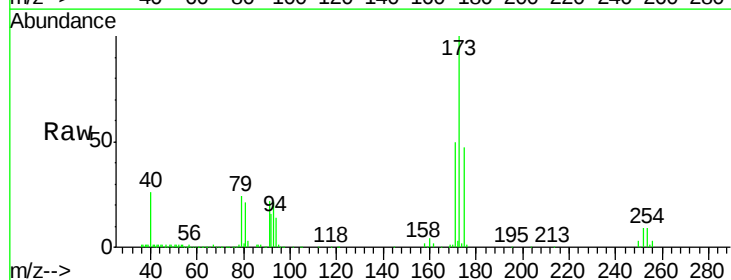
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

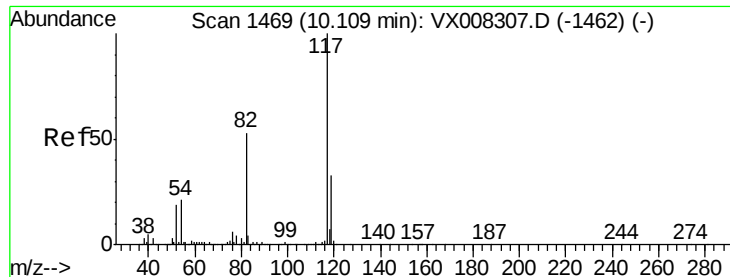
Tot Ion: 63 Resp: 140868
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.7 38.5
 106 30.6 23.7 35.5



#56
 Bromoform
 Concen: 16.502 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion:173 Resp: 27722
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.5 57.7
 254 9.4 7.4 11.2

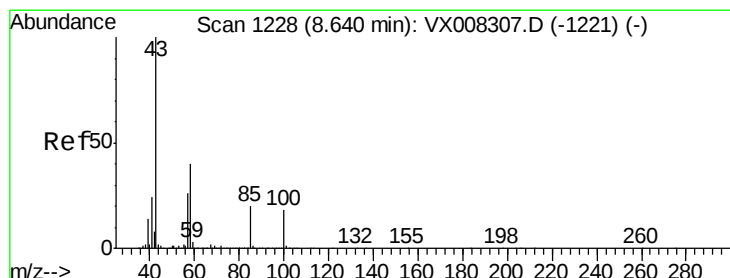
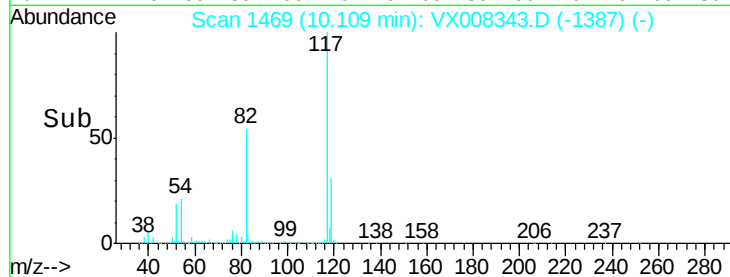
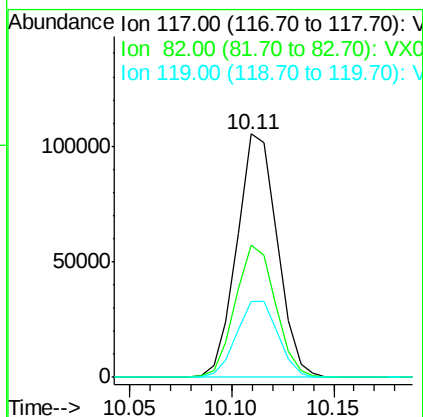
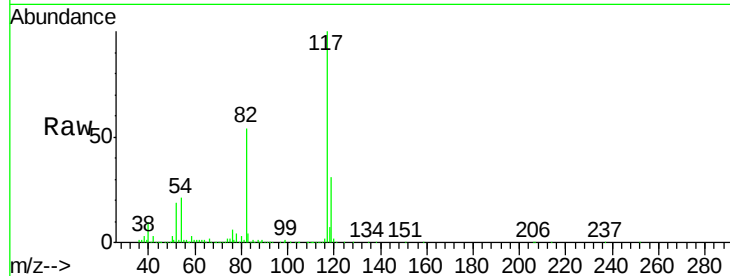




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

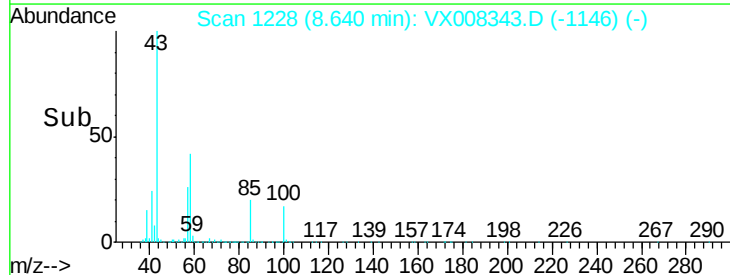
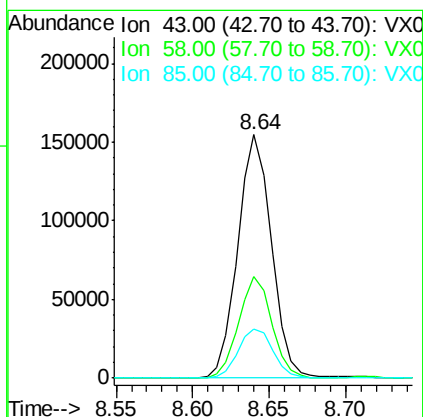
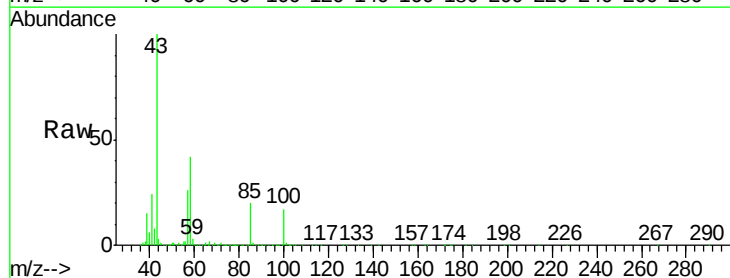
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

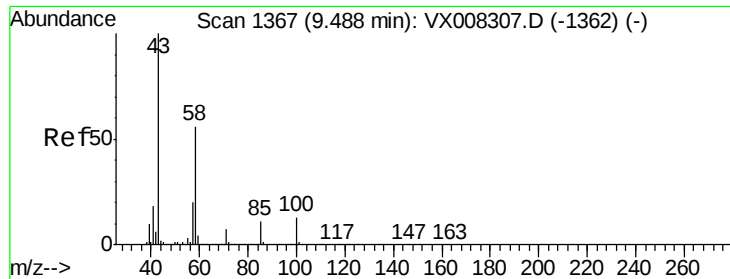
Tot Ion:117 Resp: 145216
Ion Ratio Lower Upper
117 100
82 54.0 40.4 60.6
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 96.415 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion: 43 Resp: 235736
Ion Ratio Lower Upper
43 100
58 41.0 31.4 47.0
85 21.0 15.0 22.6

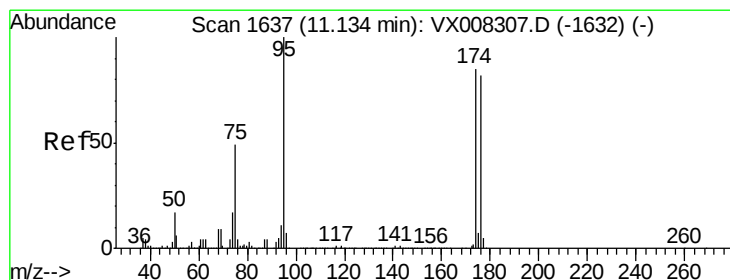
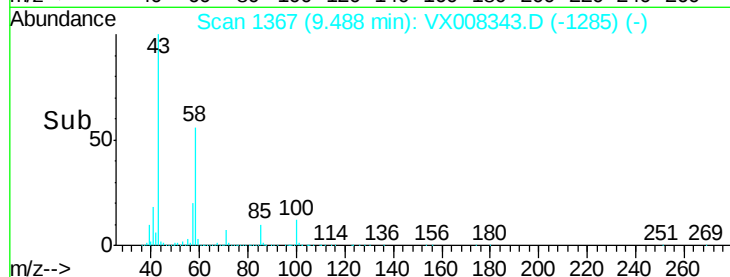
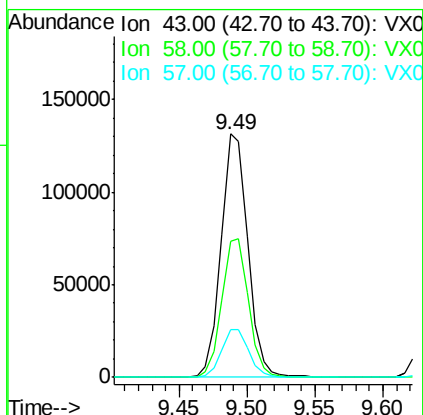
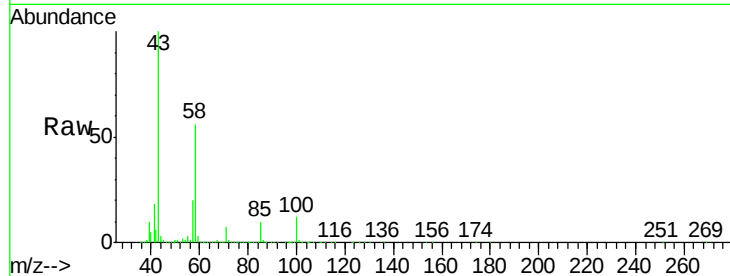




#59
2-Hexanone
Concen: 92.239 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

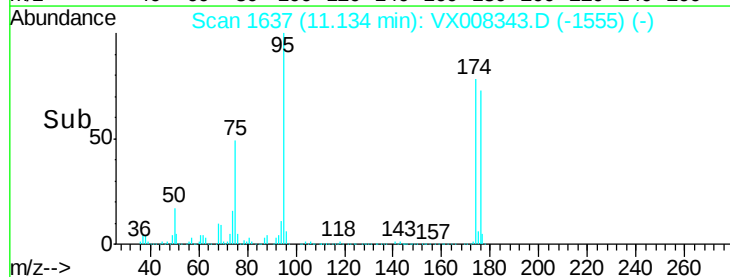
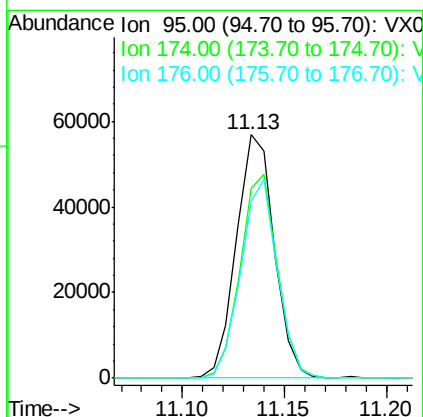
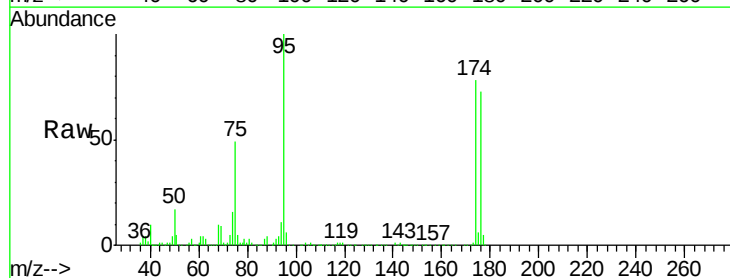
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

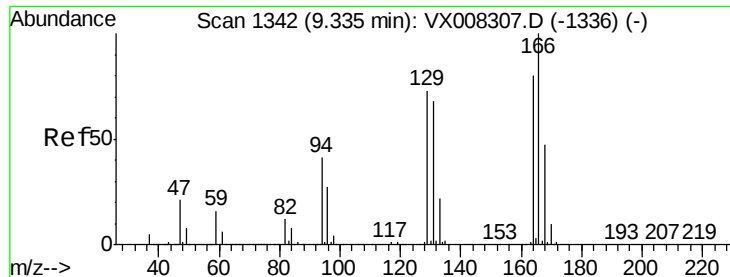
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	43.9	65.9
57	20.1	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 31.016 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.8	74.9	112.3
176	79.0	70.7	106.1





#61

Tetrachloroethene

Concen: 17.048 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 33324

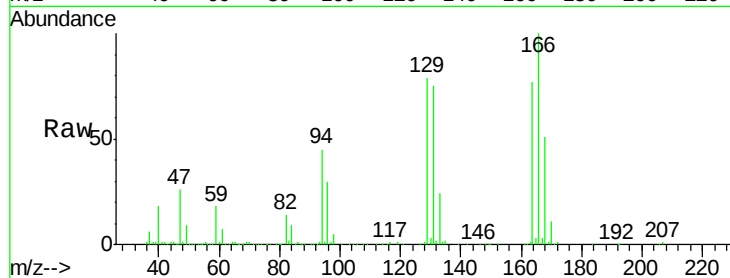
Ion Ratio Lower Upper

164 100

166 129.8 103.9 155.9

129 102.1 74.7 112.1

131 96.9 71.7 107.5

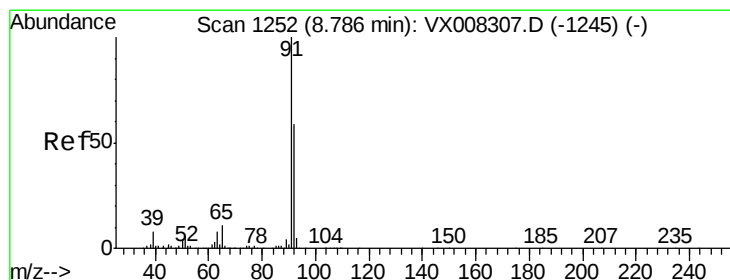
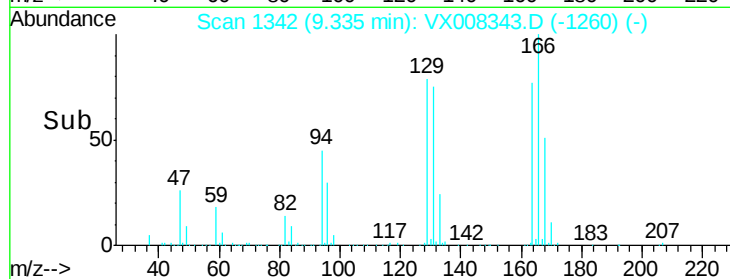
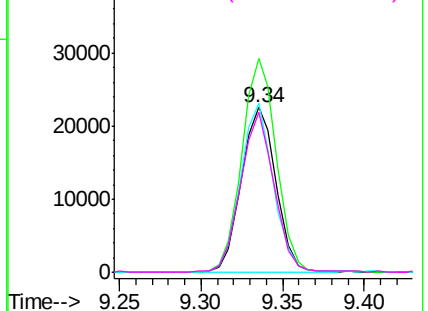


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.104 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008343.D

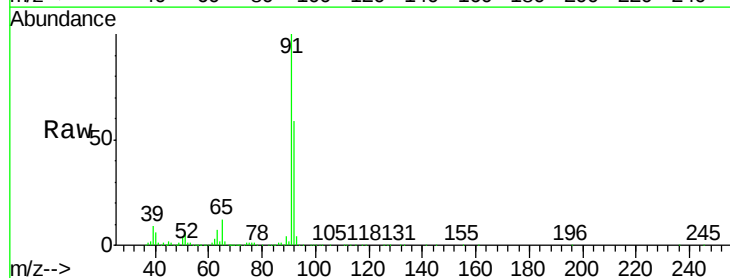
Acq: 22 Mar 2019 17:03

Tgt Ion: 91 Resp: 147256

Ion Ratio Lower Upper

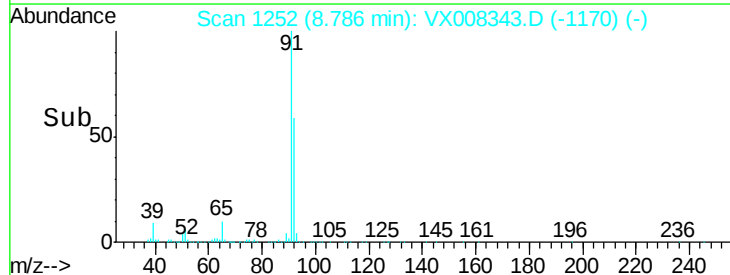
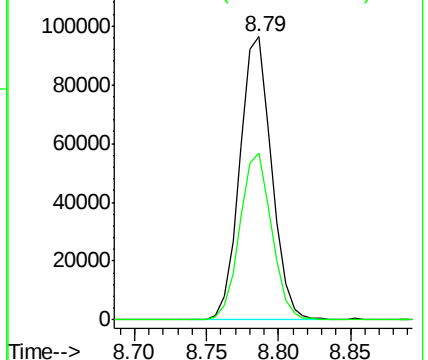
91 100

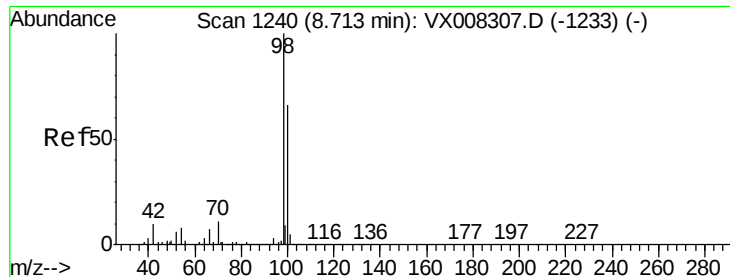
92 58.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.779 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

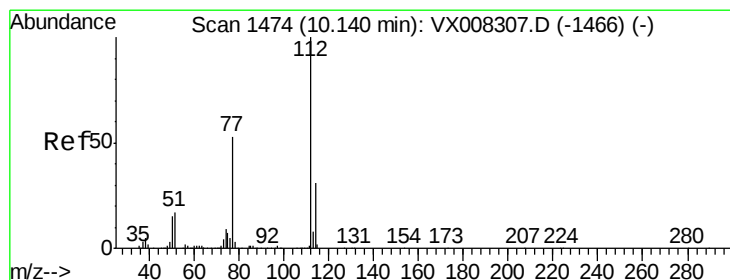
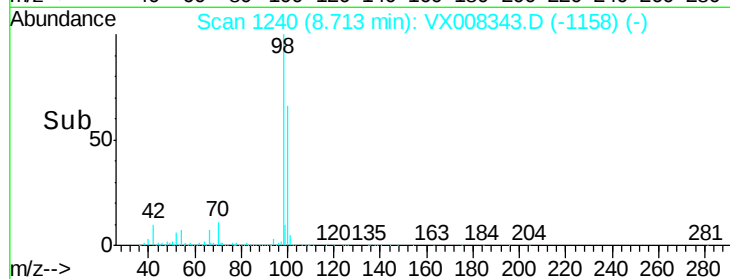
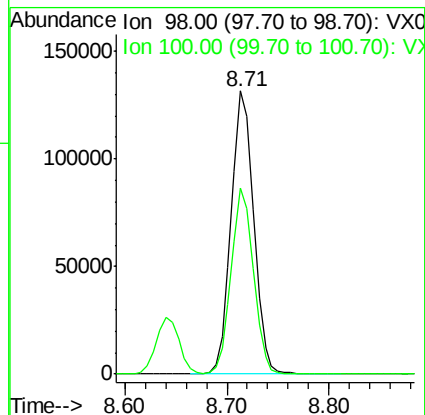
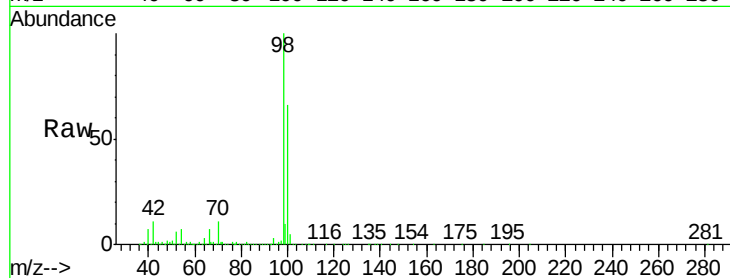
VSTDCCC020EC

Tot Ion: 98 Resp: 201375

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#64

Chlorobenzene

Concen: 18.854 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008343.D

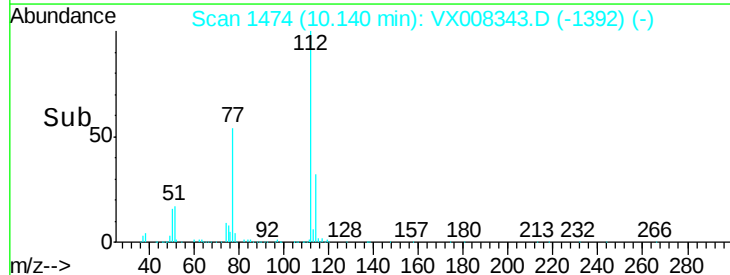
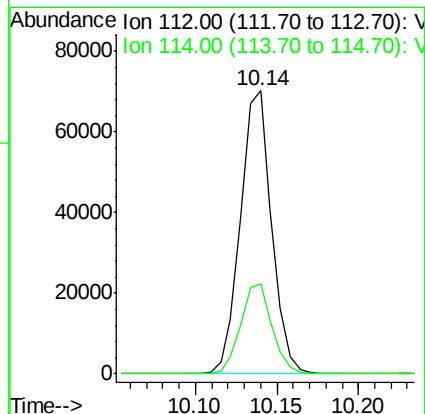
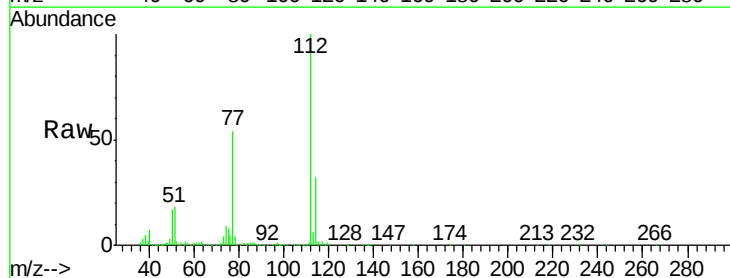
Acq: 22 Mar 2019 17:03

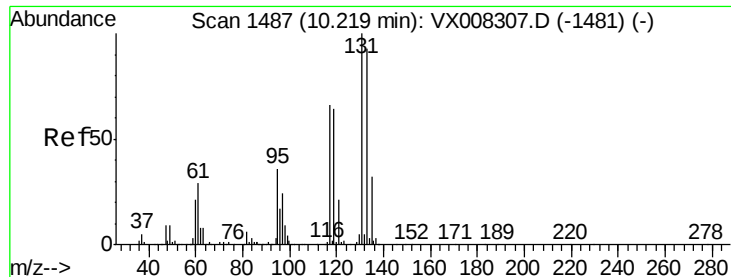
Tgt Ion: 112 Resp: 93692

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.233 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

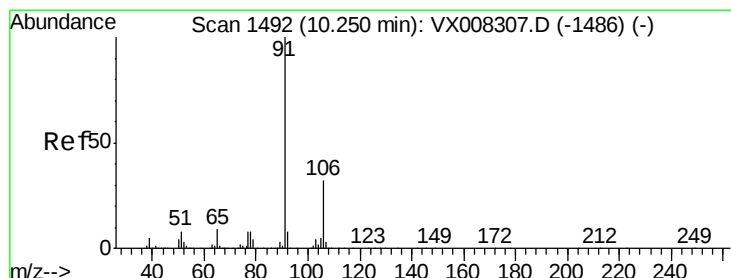
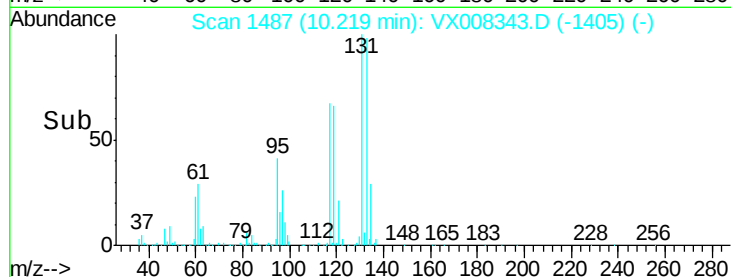
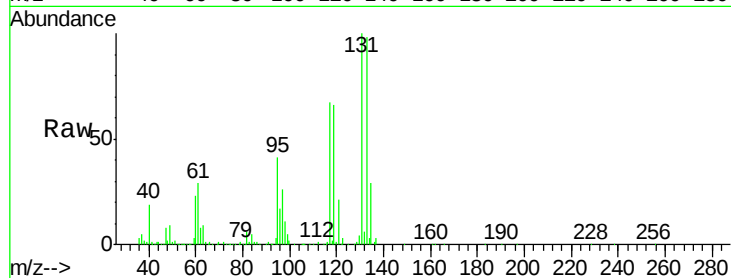
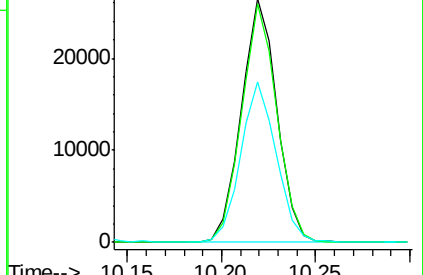
Tot Ion:131 Resp: 34605

Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	191.6
119	66.2	0.0	127.4

Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.688 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008343.D

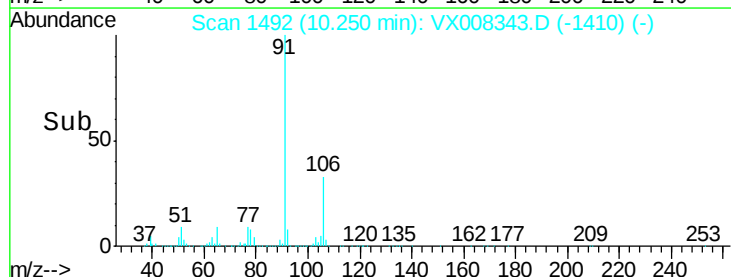
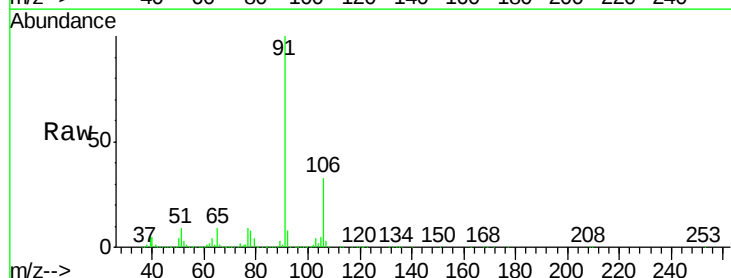
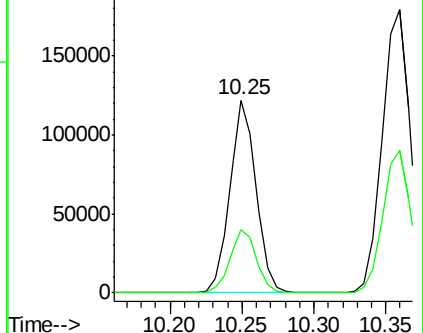
Acq: 22 Mar 2019 17:03

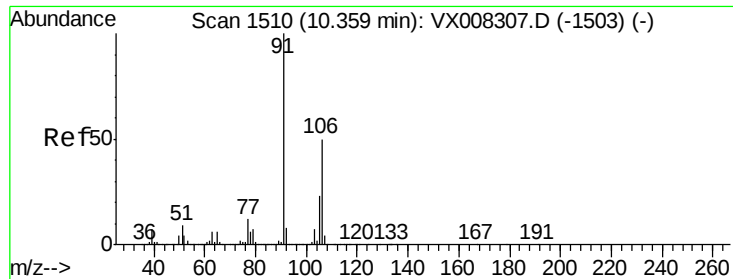
Tgt Ion: 91 Resp: 155787

Ion	Ratio	Lower	Upper
91	100		
106	32.7	26.0	39.0

Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.387 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

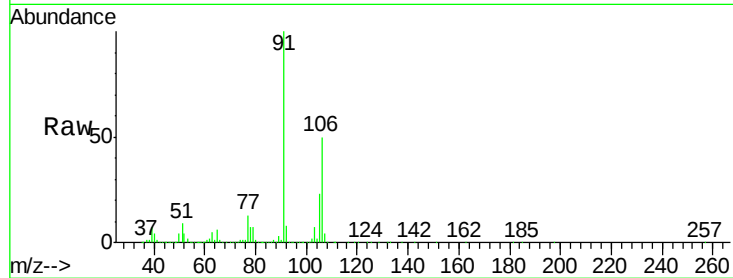
VSTDCCC020EC

Tot Ion:106 Resp: 120556

Ion Ratio Lower Upper

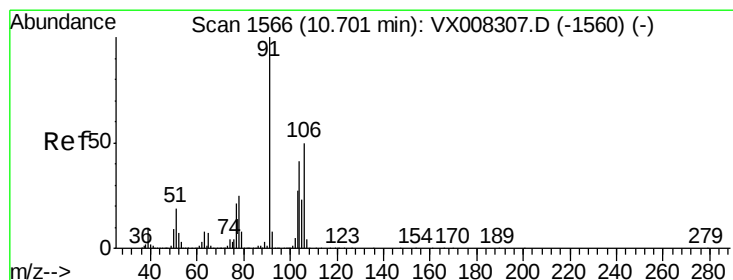
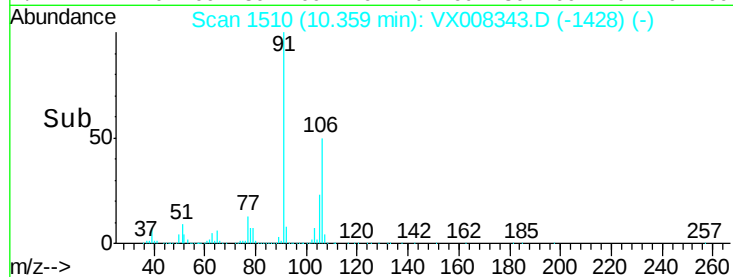
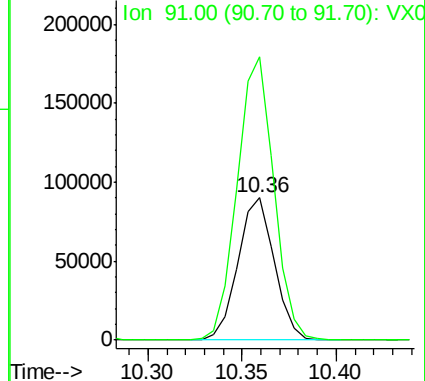
106 100

91 199.5 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.363 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX008343.D

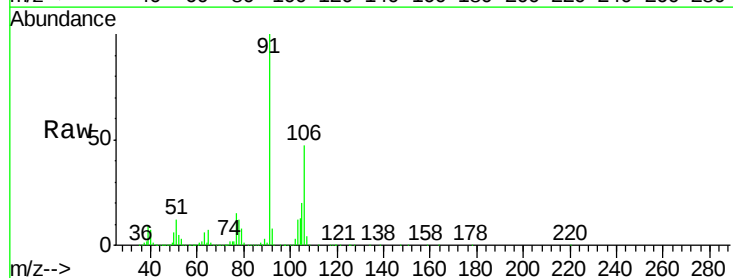
Acq: 22 Mar 2019 17:03

Tgt Ion:106 Resp: 58444

Ion Ratio Lower Upper

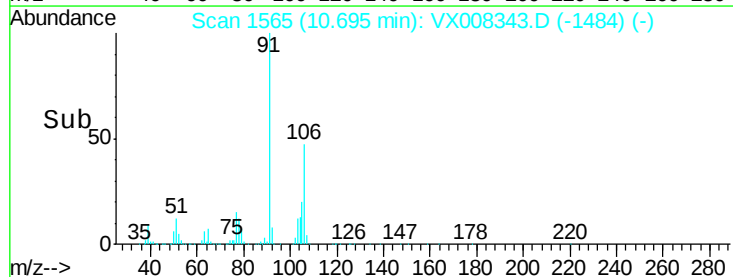
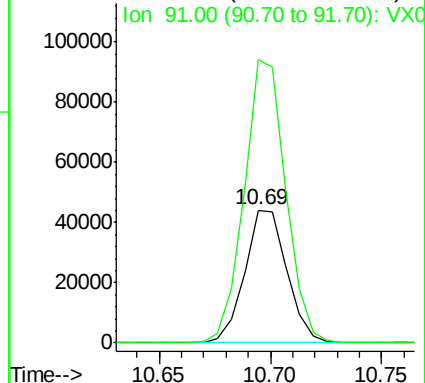
106 100

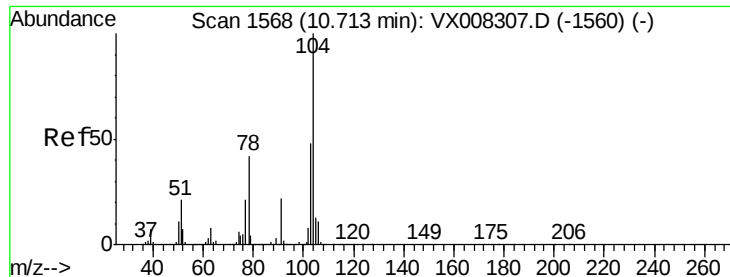
91 210.4 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 18.430 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

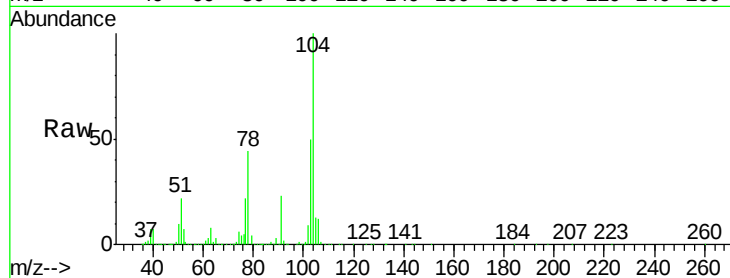
Tot Ion:104 Resp: 99029

Ion Ratio Lower Upper

104 100

78 50.6 38.2 57.2

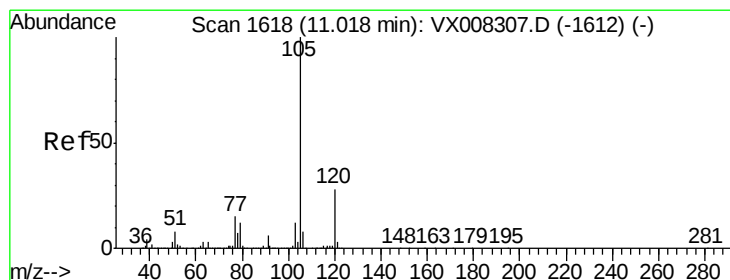
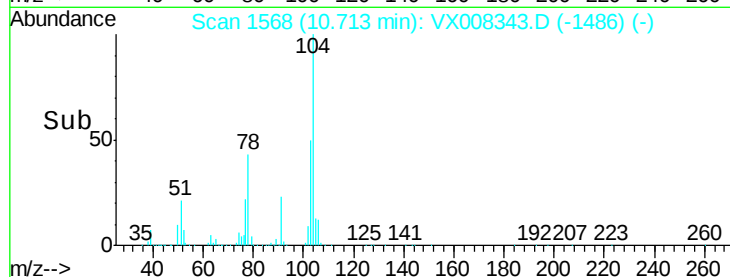
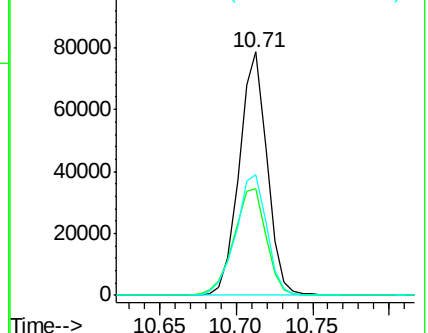
103 55.1 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.405 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008343.D

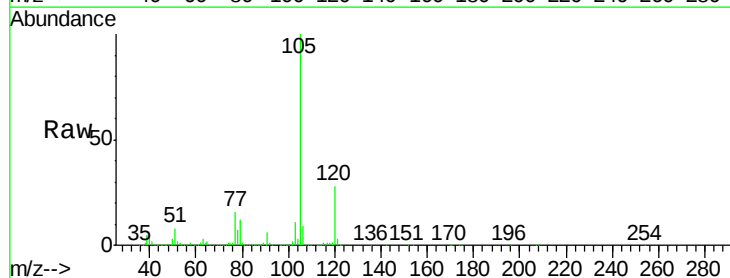
Acq: 22 Mar 2019 17:03

Tgt Ion:105 Resp: 154124

Ion Ratio Lower Upper

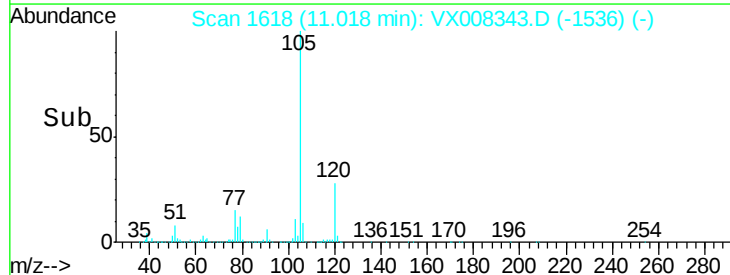
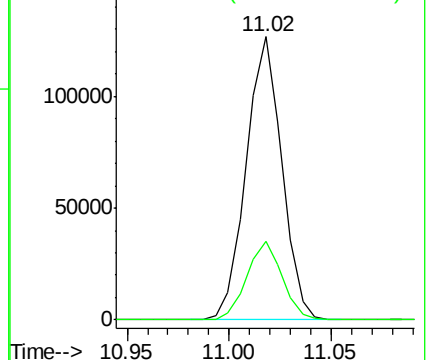
105 100

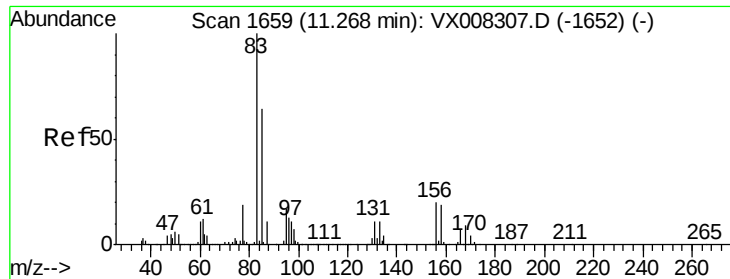
120 27.6 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

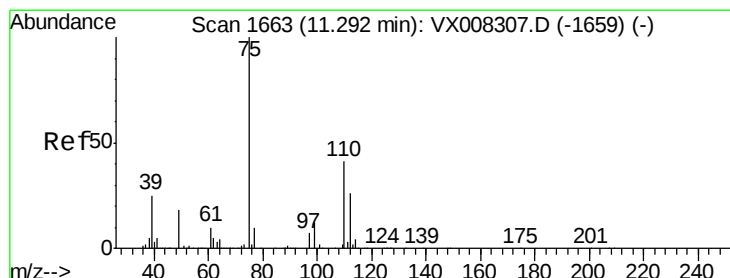
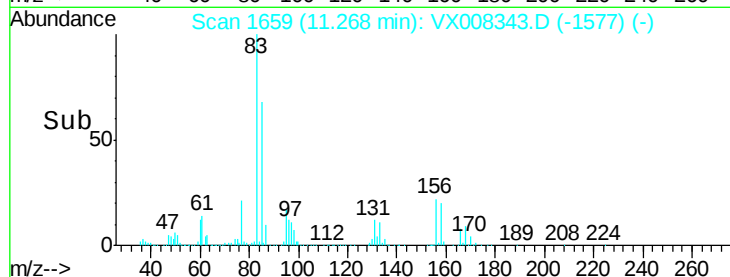
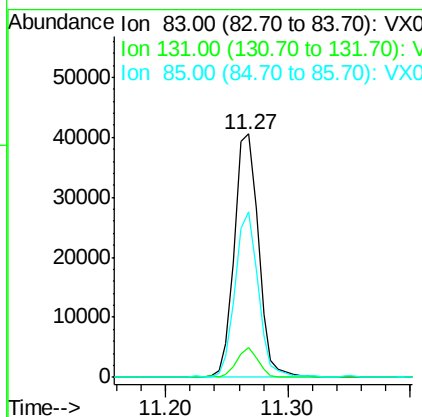
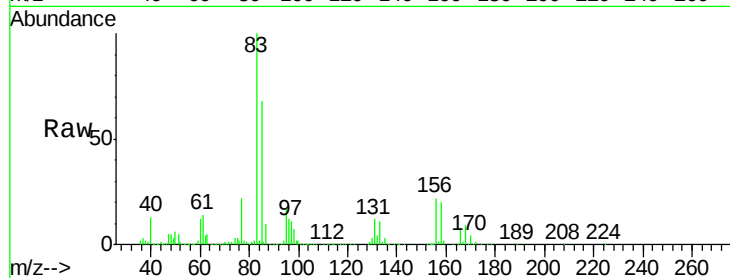




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.398 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

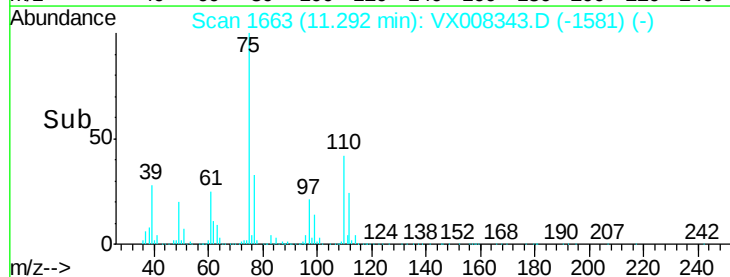
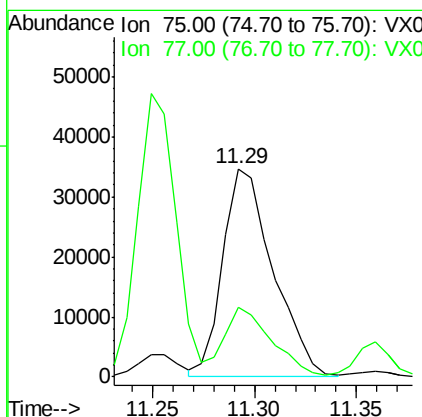
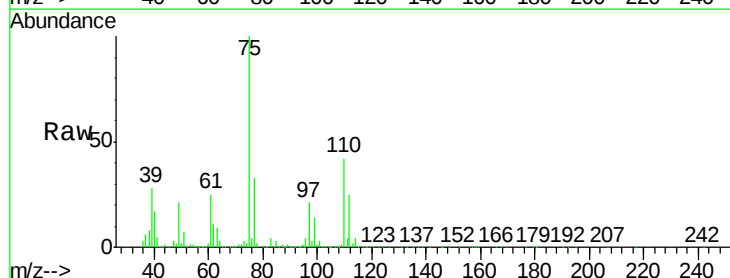
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

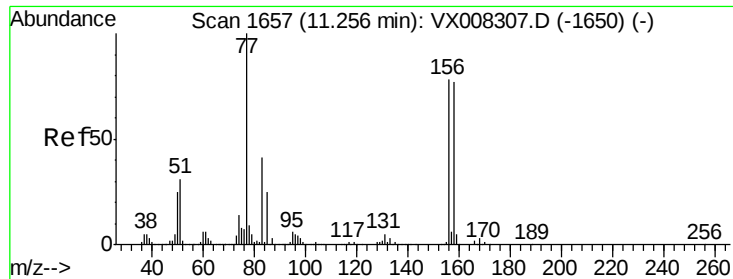
Tot Ion: 83 Resp: 55389
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.4 16.2
 85 65.0 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 25.719 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion: 75 Resp: 59159
 Ion Ratio Lower Upper
 75 100
 77 31.9 0.0 76.4





#73

Bromobenzene

Concen: 17.530 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

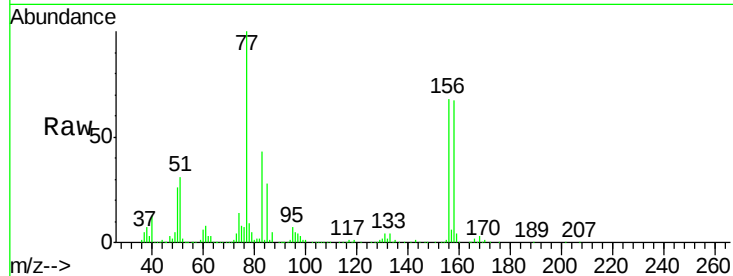
Tot Ion:156 Resp: 40615

Ion Ratio Lower Upper

156 100

77 151.2 0.0 271.4

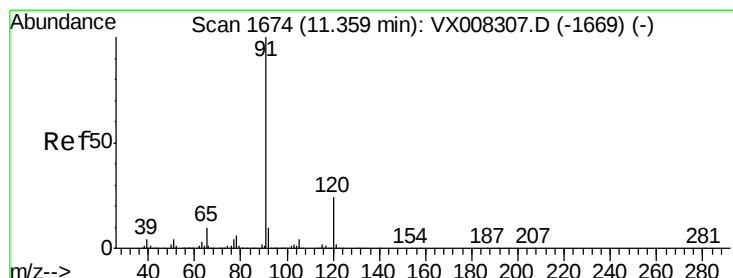
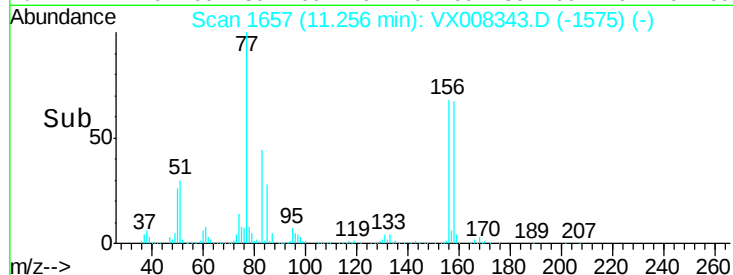
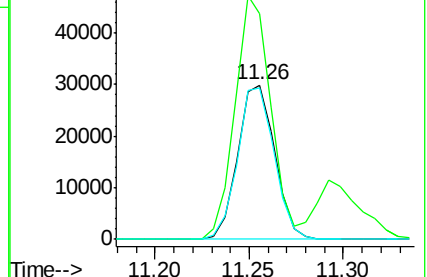
158 98.2 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.880 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008343.D

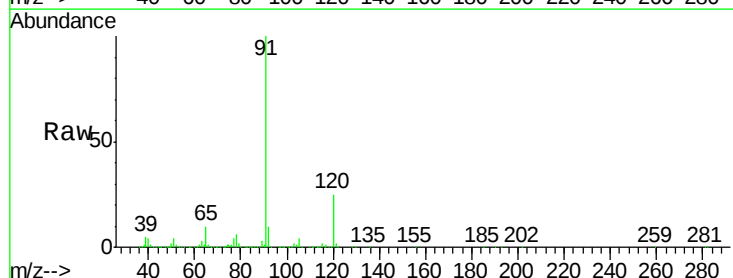
Acq: 22 Mar 2019 17:03

Tgt Ion: 91 Resp: 166887

Ion Ratio Lower Upper

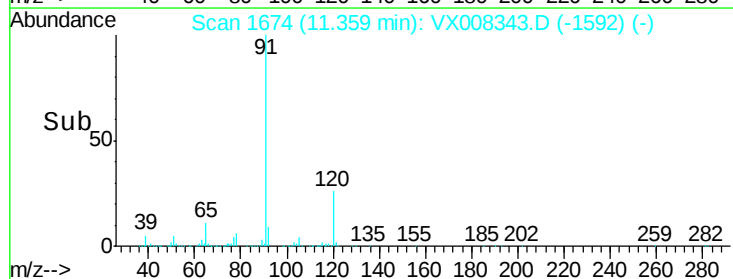
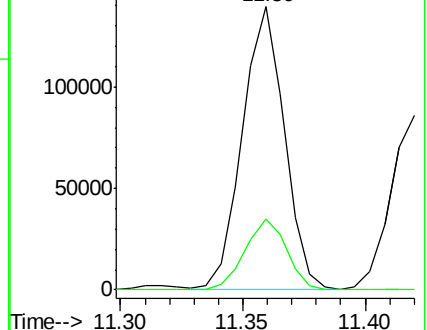
91 100

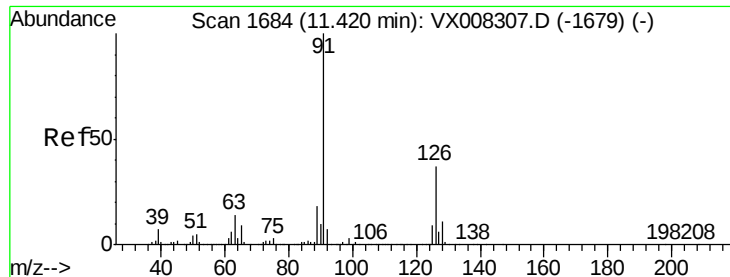
120 24.7 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.666 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

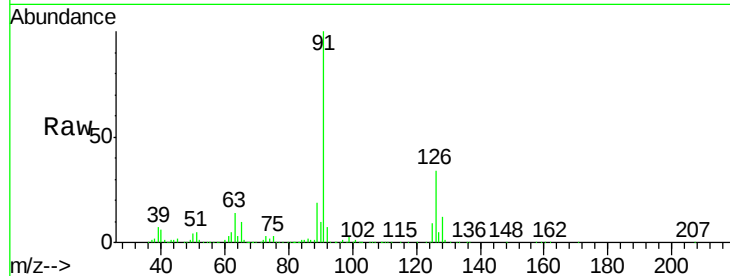
VSTDCCC020EC

Tot Ion: 91 Resp: 104047

Ion Ratio Lower Upper

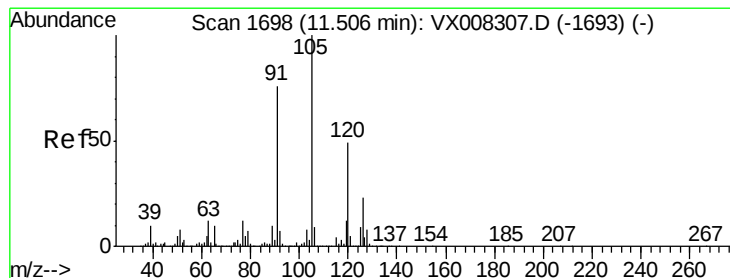
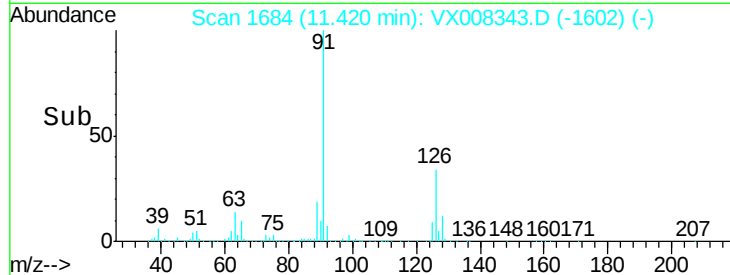
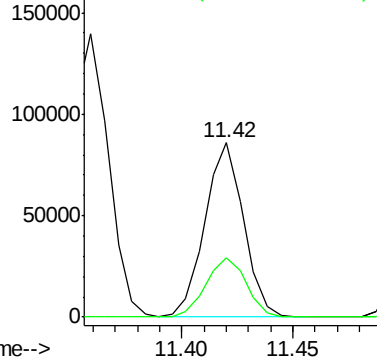
91 100

126 35.5 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.234 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008343.D

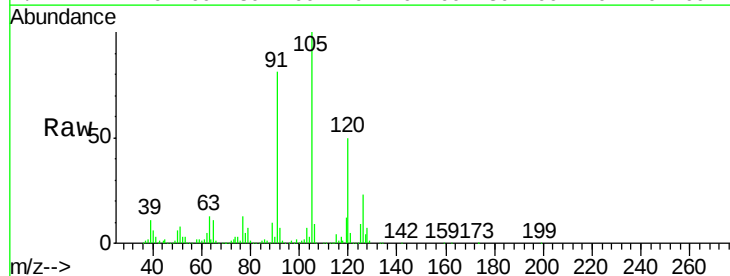
Acq: 22 Mar 2019 17:03

Tgt Ion:105 Resp: 130439

Ion Ratio Lower Upper

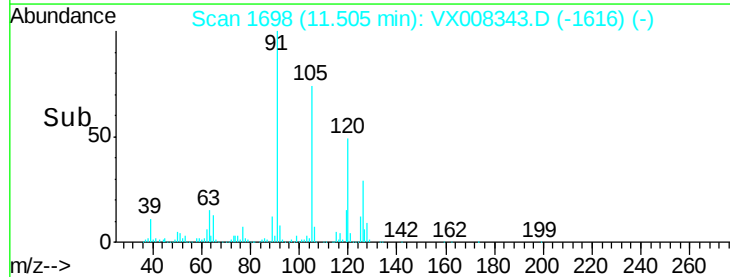
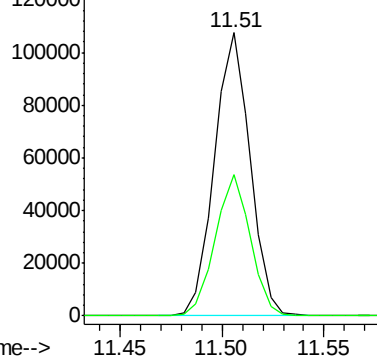
105 100

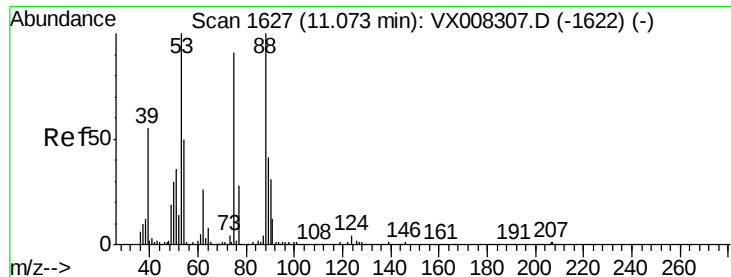
120 49.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.868 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

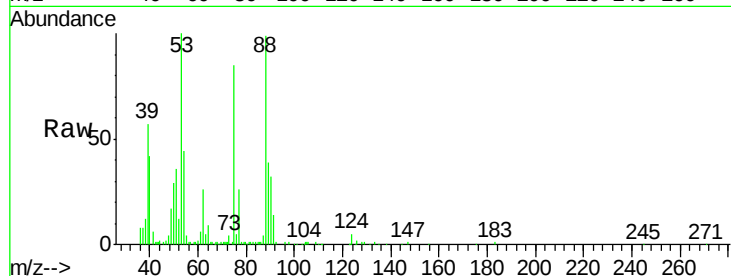
MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 13745

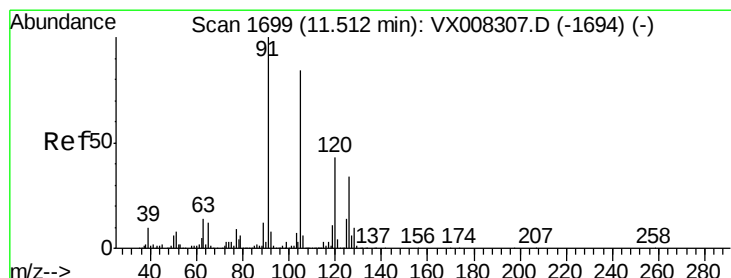
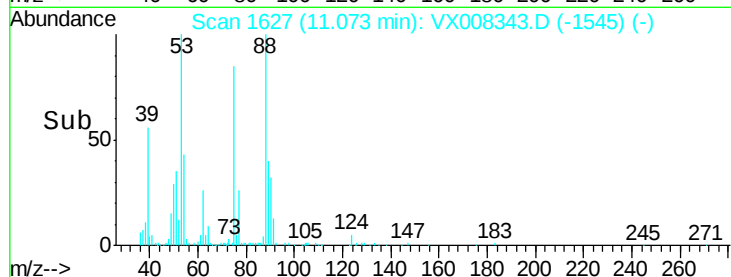
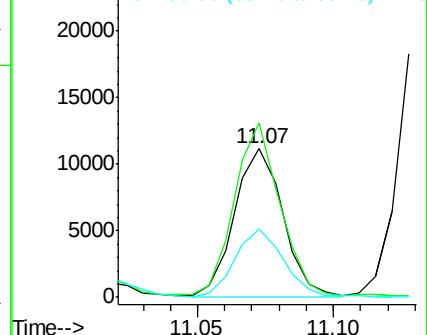
Ion	Ratio	Lower	Upper
75	100		
53	117.7	55.5	166.7
89	46.0	24.4	73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 17.996 ug/l

RT: 11.51 min Scan# 1699

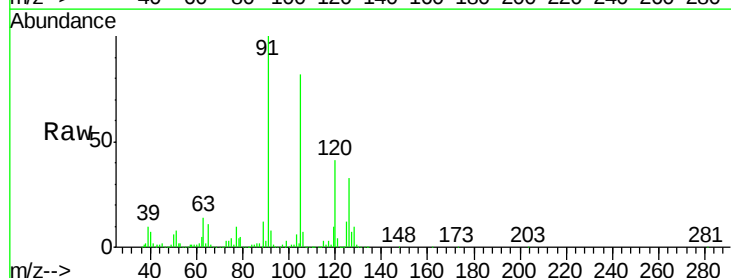
Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

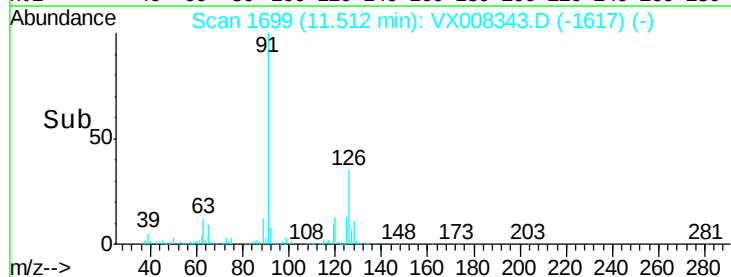
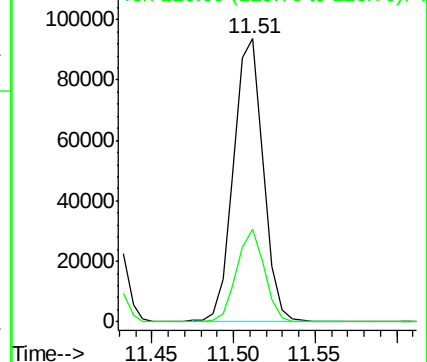
Tgt Ion: 91 Resp: 118059

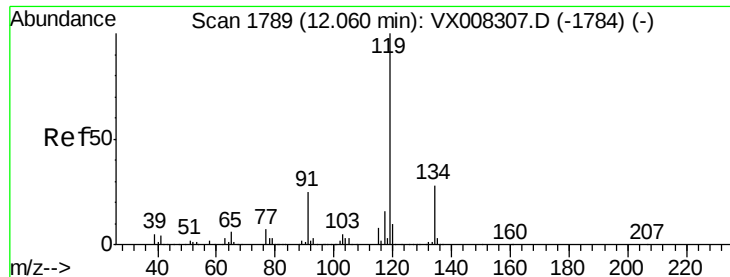
Ion	Ratio	Lower	Upper
91	100		
126	30.3	0.0	66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 17.458 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

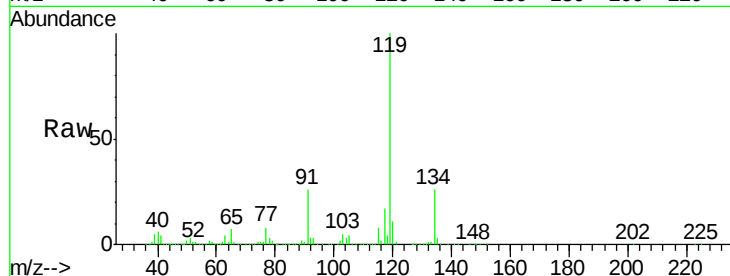
Tot Ion:119 Resp: 131373

Ion Ratio Lower Upper

119 100

91 25.2 0.0 45.0

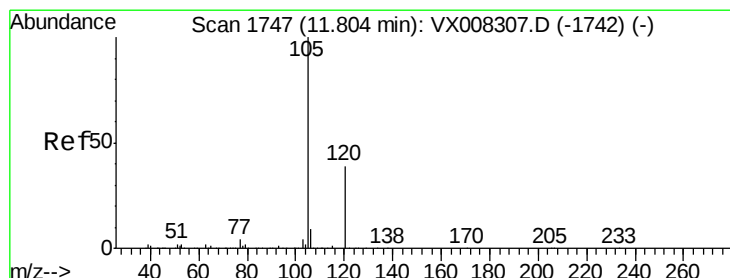
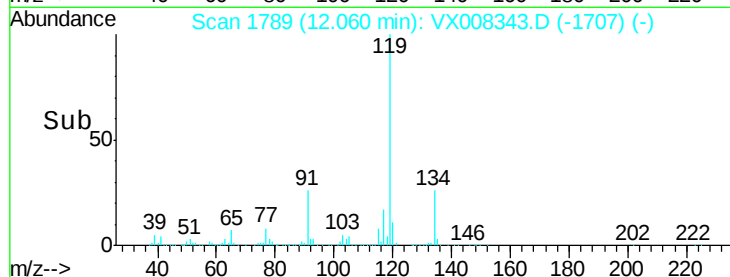
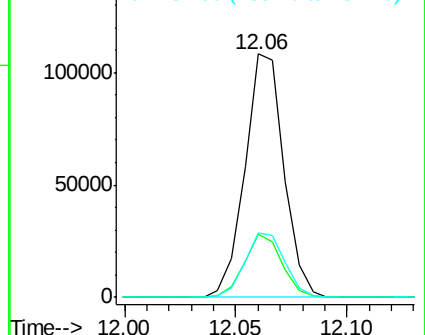
134 27.2 0.0 55.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.380 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008343.D

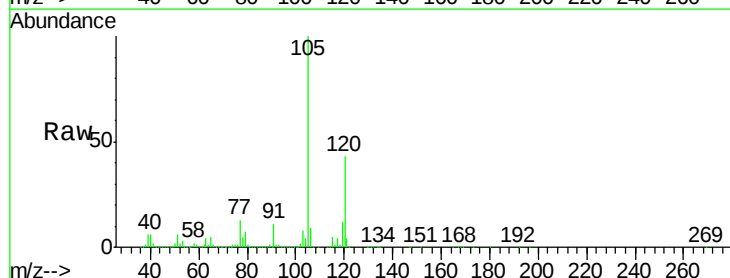
Acq: 22 Mar 2019 17:03

Tgt Ion:105 Resp: 130652

Ion Ratio Lower Upper

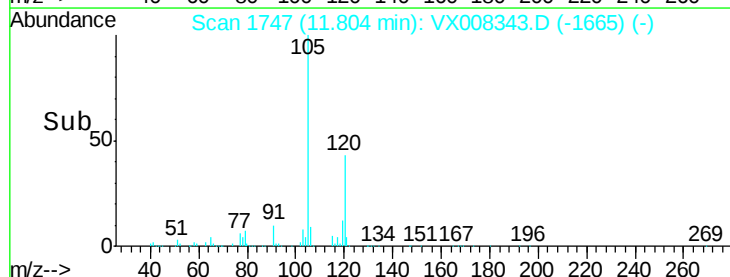
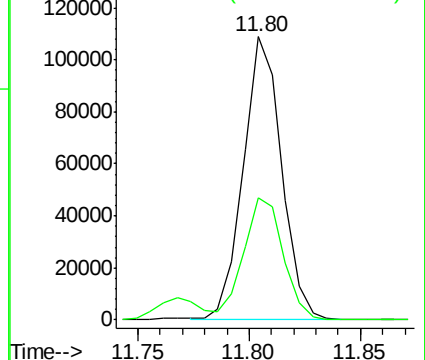
105 100

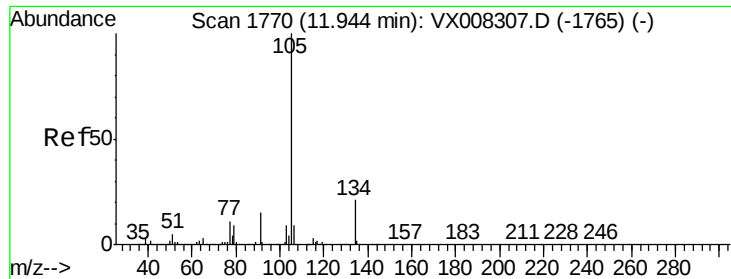
120 44.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

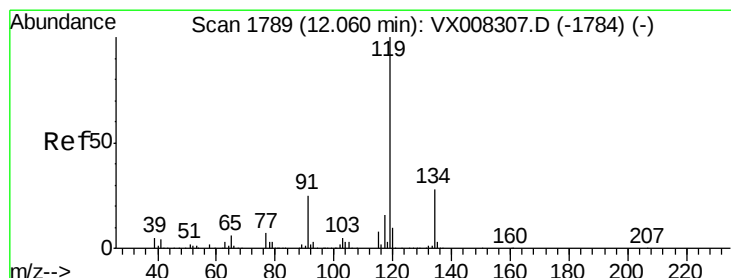
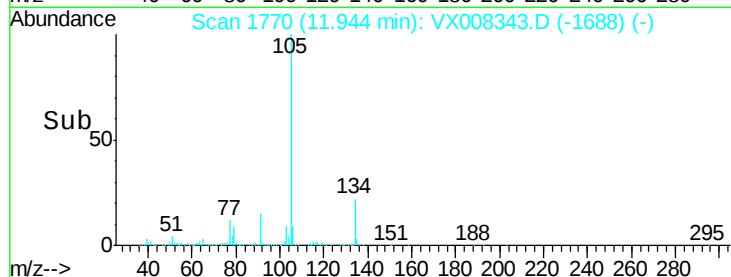
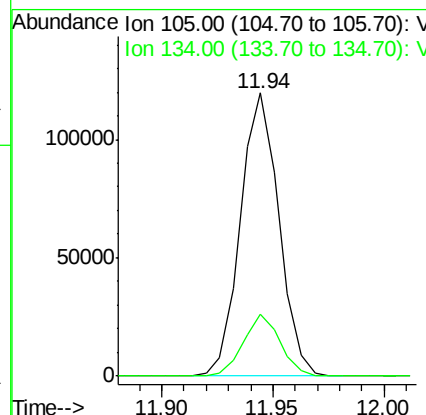
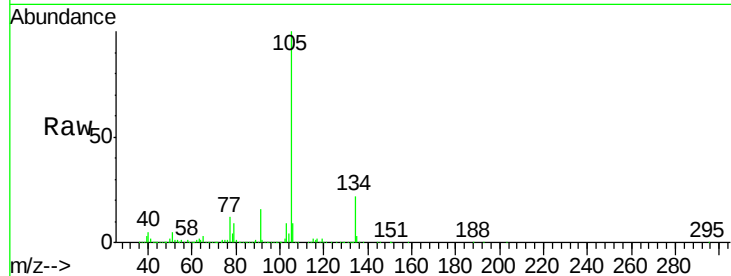




#81
 sec-Butylbenzene
 Concen: 17.615 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

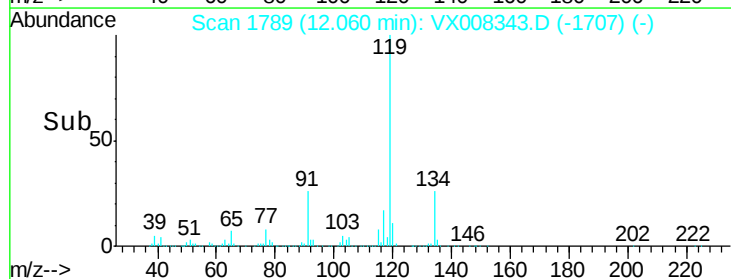
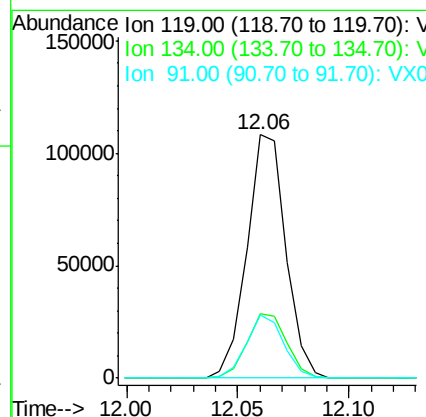
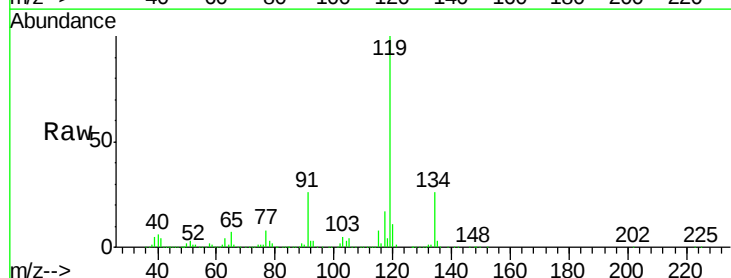
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

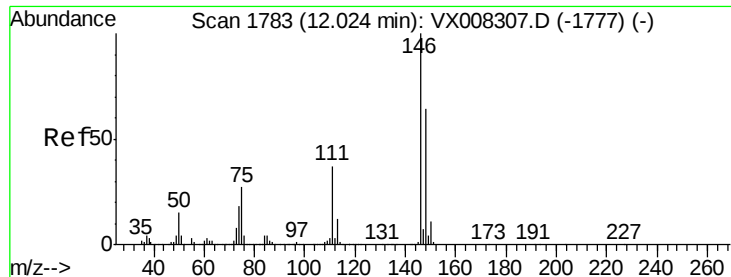
Tot Ion:105 Resp: 143729
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 17.458 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion:119 Resp: 131373
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 55.4
 91 25.2 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 17.194 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

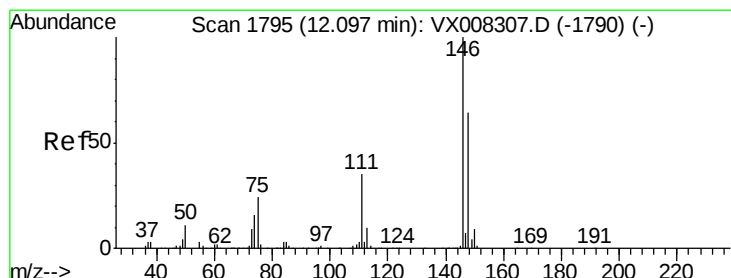
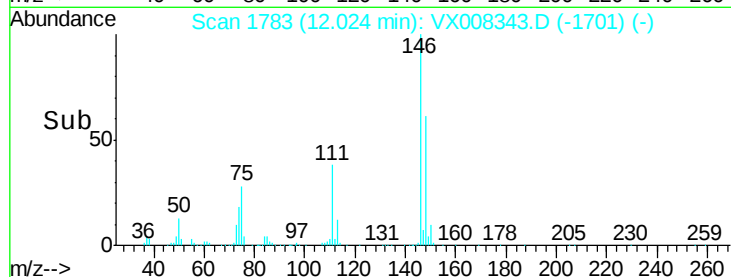
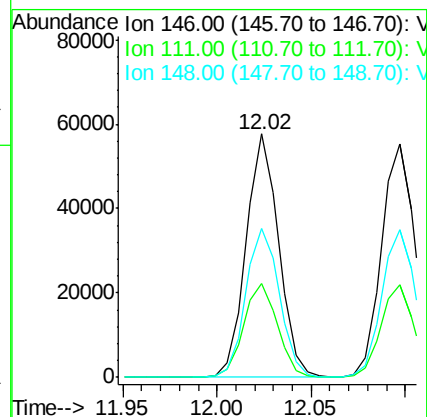
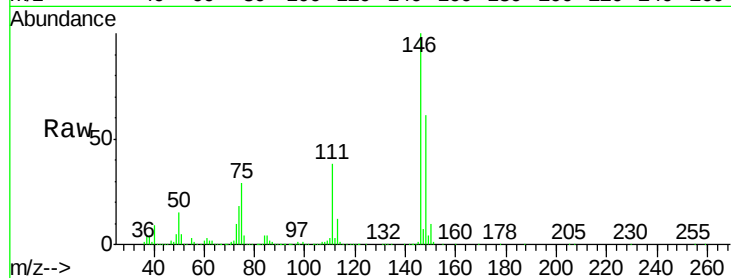
Tot Ion:146 Resp: 69141

Ion Ratio Lower Upper

146 100

111 39.9 18.8 56.3

148 63.5 30.6 91.8



#84

1,4-Dichlorobenzene

Concen: 17.205 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008343.D

Acq: 22 Mar 2019 17:03

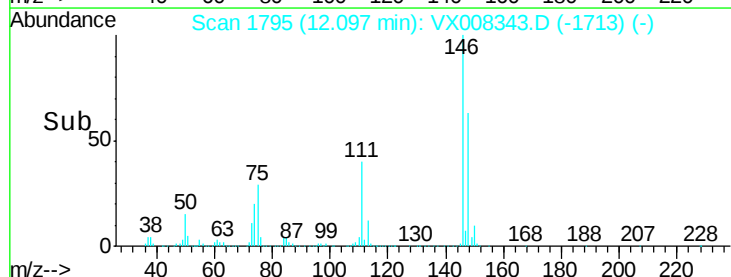
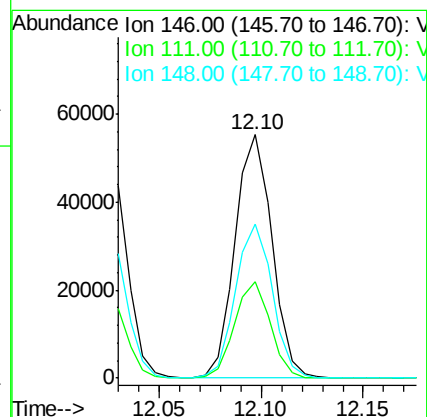
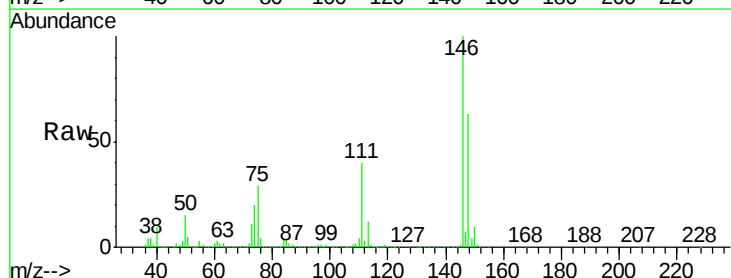
Tgt Ion:146 Resp: 68901

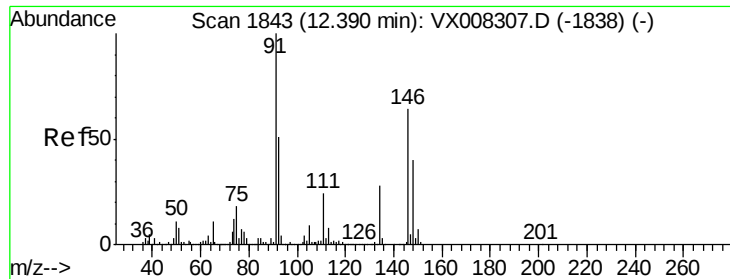
Ion Ratio Lower Upper

146 100

111 38.9 17.6 52.8

148 63.6 31.4 94.2

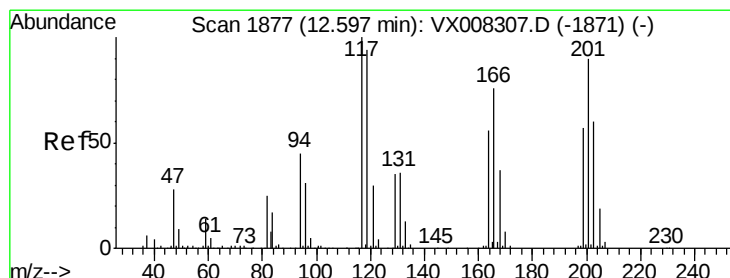
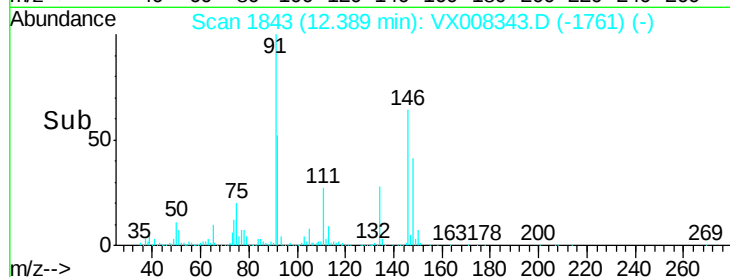
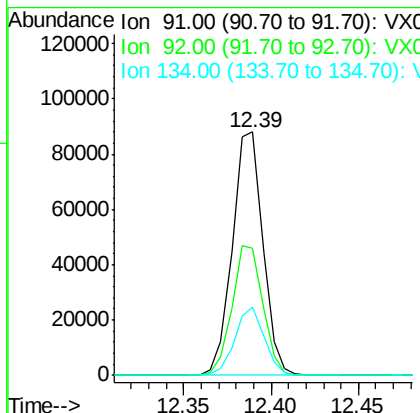
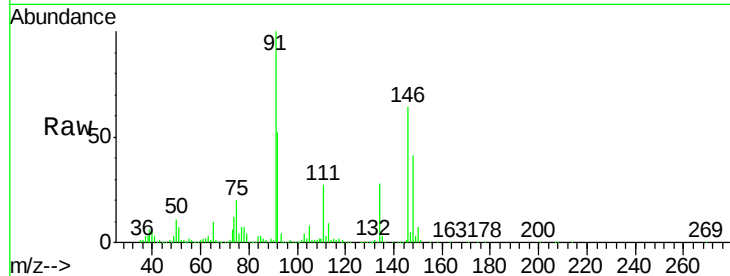




#85
n-Butylbenzene
Concen: 16.554 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

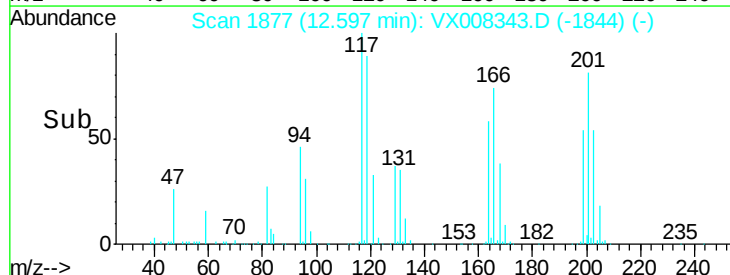
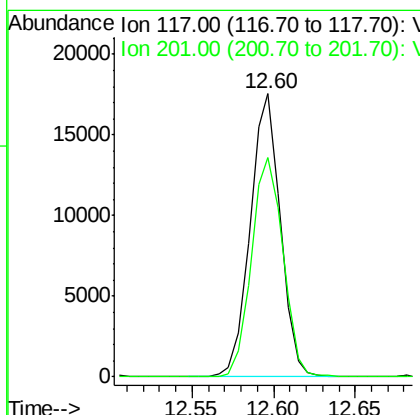
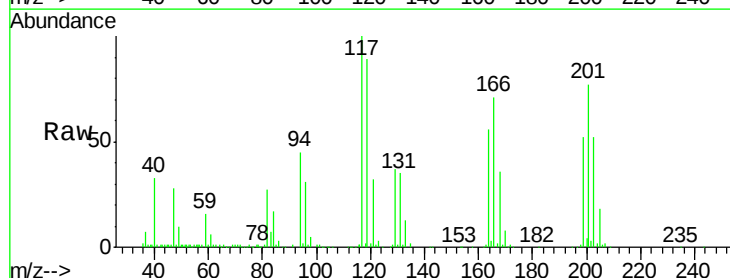
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

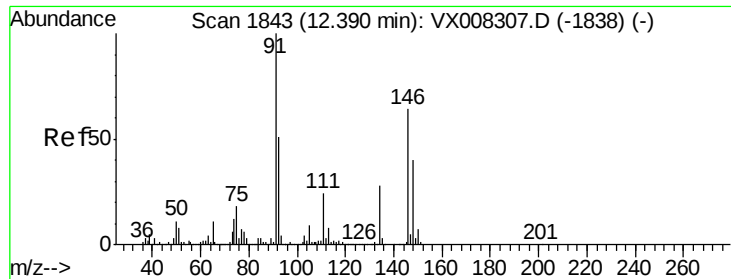
Tot Ion: 91 Resp: 107153
Ion Ratio Lower Upper
91 100
92 53.6 0.0 105.2
134 27.1 0.0 56.4



#86
Hexachloroethane
Concen: 17.514 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion: 117 Resp: 22714
Ion Ratio Lower Upper
117 100
201 80.4 41.1 123.3

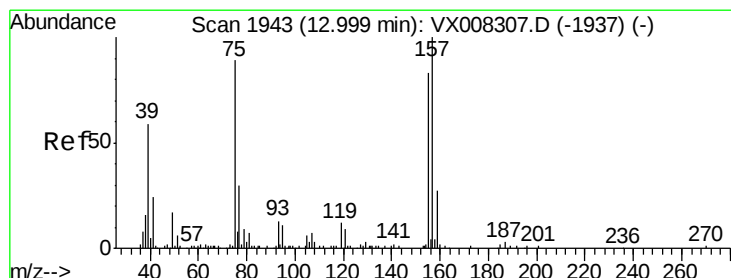
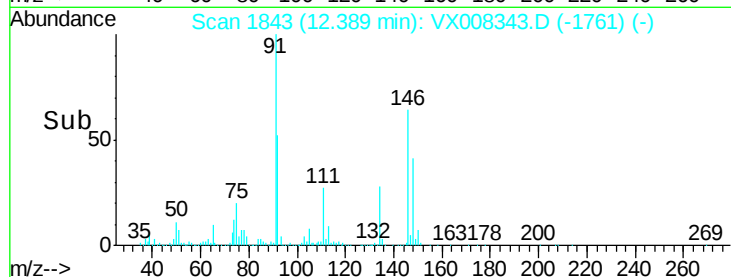
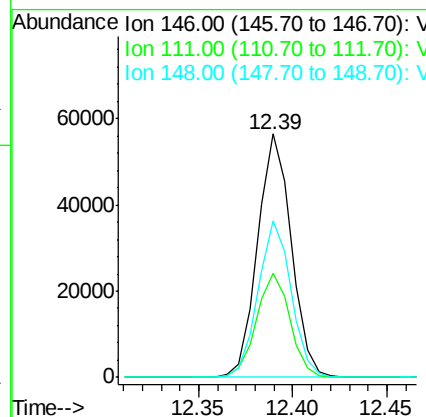
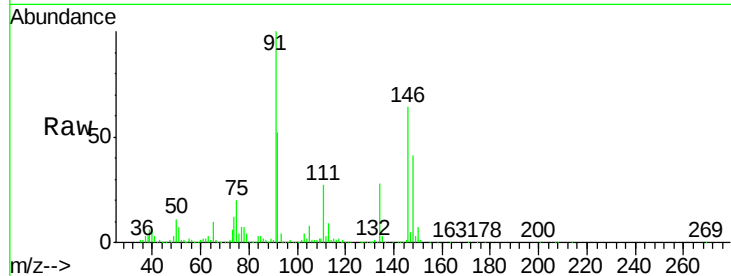




#87
 1,2-Dichlorobenzene
 Concen: 17.626 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

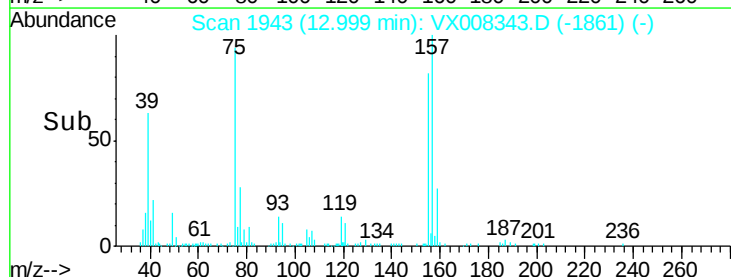
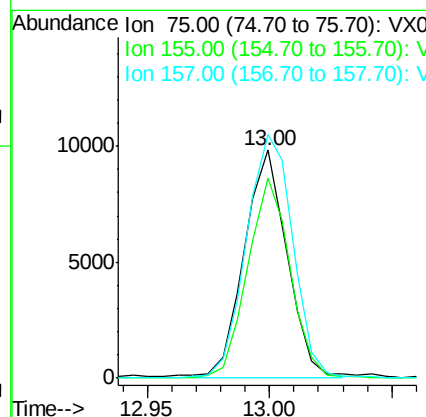
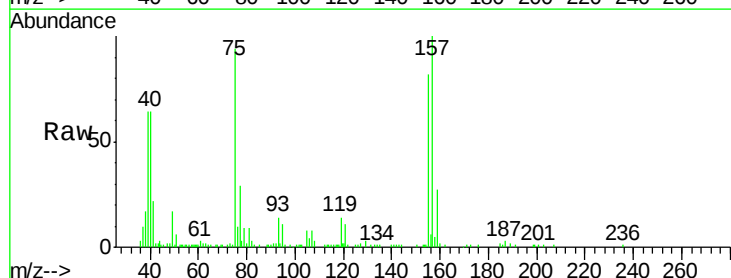
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

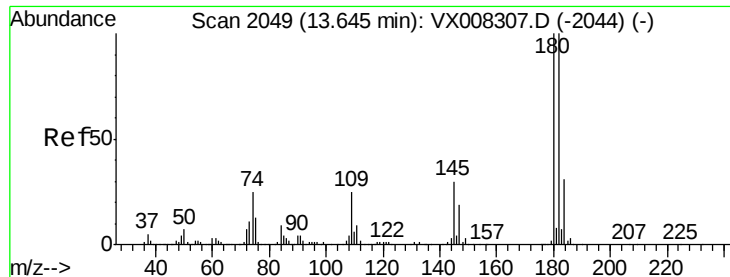
Tot Ion:146 Resp: 69901
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.3 57.8
 148 63.4 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.191 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion: 75 Resp: 11891
 Ion Ratio Lower Upper
 75 100
 155 87.7 81.0 121.6
 157 117.5 103.2 154.8

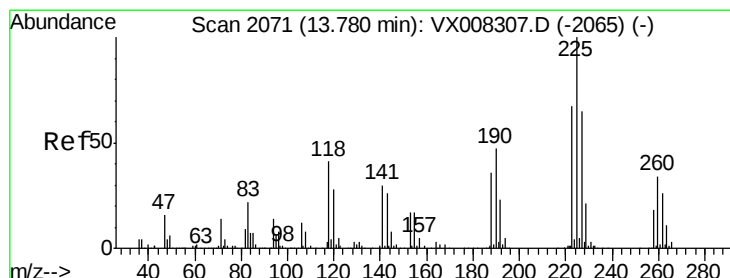
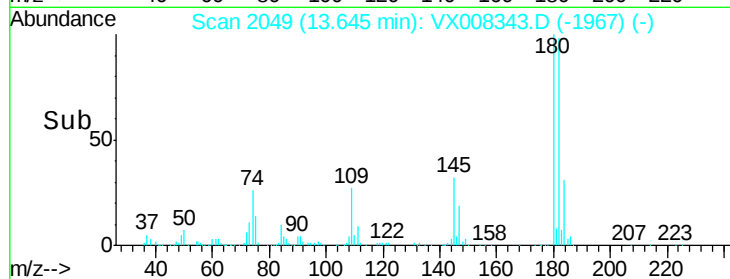
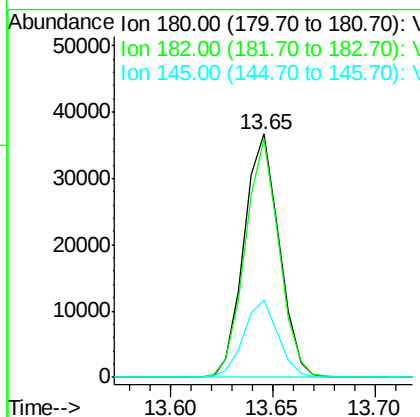
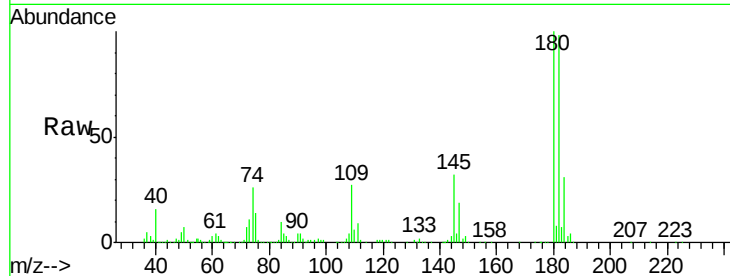




#89
 1,2,4-Trichlorobenzene
 Concen: 15.739 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

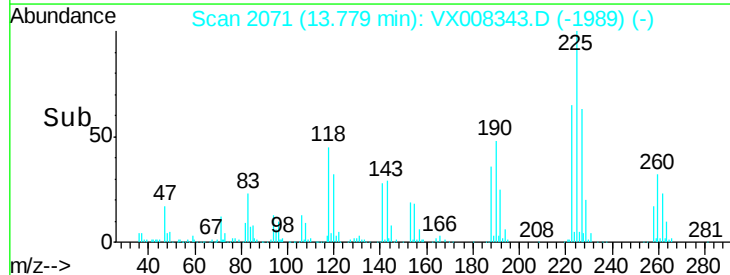
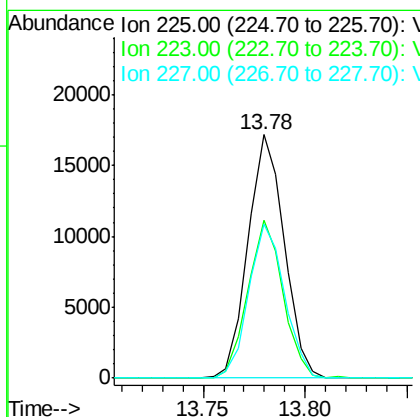
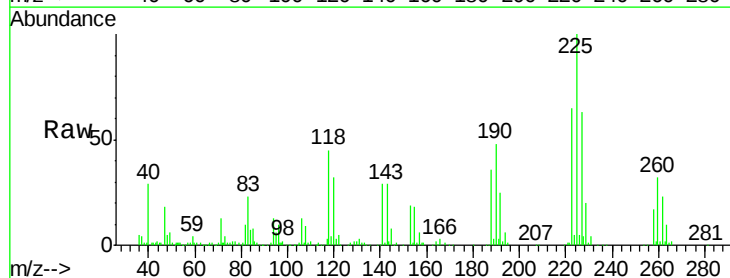
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

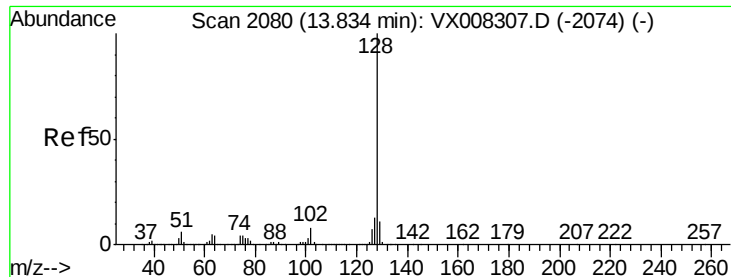
Tot Ion:180 Resp: 44177
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.6 113.4
 145 31.2 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 15.077 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008343.D
 Acq: 22 Mar 2019 17:03

Tgt Ion:225 Resp: 21303
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 123.8
 227 62.3 0.0 124.4

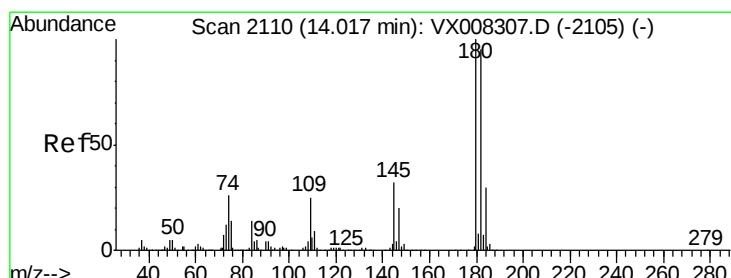
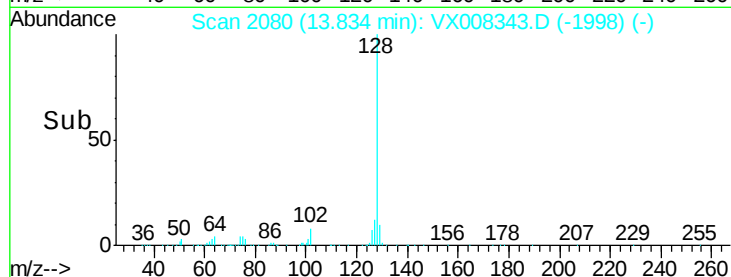
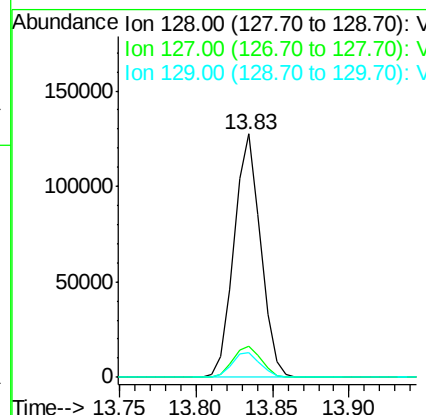
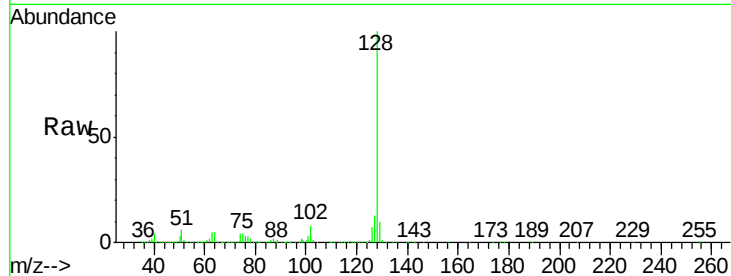




#91
Naphthalene
Concen: 18.255 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 153889
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.9 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 16.468 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008343.D
Acq: 22 Mar 2019 17:03

Tgt Ion:180 Resp: 46730
Ion Ratio Lower Upper
180 100
182 93.6 0.0 193.0
145 32.5 0.0 63.0

