

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007646.D
 Acq On : 22 Feb 2019 08:31
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Feb 23 00:27:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	85621	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	454753	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	417497	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	168496	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.13	95	201555	31.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.83%
63) Toluene-d8	8.71	98	565361	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	99196	22.878	ug/l 99
3) Chloromethane	1.33	50	105420	22.123	ug/l 97
4) Vinyl Chloride	1.41	62	111796	20.858	ug/l 100
5) Bromomethane	1.64	94	95374	19.926	ug/l 98
6) Chloroethane	1.73	64	69096	18.964	ug/l 98
7) Trichlorofluoromethane	1.93	101	174257	20.740	ug/l 98
8) Diethyl Ether	2.19	74	62282	18.557	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102546	21.632	ug/l 98
10) 1,1-Dichloroethene	2.38	96	93353	19.846	ug/l 94
11) Methyl Iodide	2.51	142	144392	21.358	ug/l 96
12) Methyl Acetate	2.78	43	114133	17.594	ug/l 98
13) Acrolein	2.29	56	69566	61.477	ug/l 99
14) Acrylonitrile	3.15	53	274315	91.776	ug/l 99
15) Acetone	2.45	58	98429	121.342	ug/l 100
16) Carbon Disulfide	2.57	76	245677	19.695	ug/l 100
17) Allyl chloride	2.73	41	150505	18.675	ug/l 97
18) Methylene Chloride	2.86	84	103713	19.606	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	98898	19.657	ug/l 94
20) Diisopropyl ether	3.87	45	307518	20.191	ug/l 97
21) 1,1-Dichloroethane	3.70	63	174595	20.447	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	113797	20.325	ug/l 98
23) tert-Butyl Alcohol	3.06	59	116686	92.881	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	301647	18.479	ug/l 97
25) Chloroform	5.21	83	187974	20.844	ug/l 94
26) Cyclohexane	5.57	56	154684	21.604	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	134589	21.218	ug/l 99
30) 2-Butanone	4.70	43	412234	109.814	ug/l 99
31) 2,2-Dichloropropane	4.59	77	136265	26.440	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	158535	20.910	ug/l 99
33) Carbon Tetrachloride	5.78	117	142995	21.335	ug/l 97
34) Benzene	6.14	78	410371	20.521	ug/l 99
35) Methacrylonitrile	5.06	41	76508	19.602	ug/l 97
36) 1,2-Dichloroethane	6.20	62	139818	20.545	ug/l 99
37) Trichloroethene	7.21	130	119944	20.862	ug/l 100
38) Methylcyclohexane	7.46	83	168193	22.905	ug/l 98
39) 1,2-Dichloropropane	7.51	63	100315	20.168	ug/l 99
40) Dibromomethane	7.66	93	75112	20.909	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	132693	20.814	ug/l	100
42) Vinyl Acetate	3.82	43	1384713	105.384	ug/l	99
43) Ethyl Acetate	4.85	43	143932	20.021	ug/l #	85
44) Isopropyl Acetate	6.45	43	217304	19.578	ug/l	99
45) 1,4-Dioxane	7.74	88	53848	411.073	ug/l	97
46) Methyl methacrylate	7.77	41	115145	20.486	ug/l	98
47) n-amyl Acetate	10.90	43	204807	20.935	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	142875	21.710	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	159812	21.807	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	109368	20.880	ug/l	96
51) Ethyl methacrylate	9.18	69	153675	20.237	ug/l	99
52) 1,3-Dichloropropane	9.37	76	178010	21.069	ug/l	100
53) Dibromochloromethane	9.58	129	114318	20.984	ug/l	100
54) 1,2-Dibromoethane	9.67	107	120244	20.965	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	427637	110.767	ug/l	100
56) Bromoform	10.85	173	85879	20.899	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	755912	100.660	ug/l	100
59) 2-Hexanone	9.49	43	613516	107.559	ug/l	99
61) Tetrachloroethene	9.34	164	129734	21.890	ug/l	98
62) Toluene	8.78	91	468318	20.597	ug/l	98
64) Chlorobenzene	10.13	112	310427	21.009	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	110909	20.723	ug/l	99
66) Ethyl Benzene	10.25	91	509310	21.108	ug/l	100
67) m/p-Xylenes	10.36	106	403759	42.664	ug/l	100
68) o-Xylene	10.69	106	194532	21.076	ug/l	99
69) Styrene	10.71	104	318502	21.383	ug/l	99
70) Isopropylbenzene	11.02	105	526595	21.625	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	164291	20.410	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	191662	26.041	ug/l	90
73) Bromobenzene	11.26	156	142244	21.396	ug/l	99
74) n-propylbenzene	11.36	91	600499	22.210	ug/l	99
75) 2-Chlorotoluene	11.42	91	349714	21.632	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	438130	22.042	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	45695	21.509	ug/l	93
78) 4-Chlorotoluene	11.51	91	408125	22.117	ug/l	98
79) tert-butylbenzene	12.06	119	472419	22.382	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	442709	21.940	ug/l	99
81) sec-Butylbenzene	11.94	105	524326	22.089	ug/l	99
82) p-Isopropyltoluene	12.06	119	472419	22.382	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	262454	22.456	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	260195	22.309	ug/l	100
85) n-Butylbenzene	12.38	91	401294	22.912	ug/l	99
86) Hexachloroethane	12.60	117	75613	21.577	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	255751	21.802	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	34295	20.416	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	171227	22.224	ug/l	99
90) Hexachlorobutadiene	13.78	225	85862	23.853	ug/l	99
91) Naphthalene	13.83	128	509223	20.724	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	167006	21.324	ug/l	99

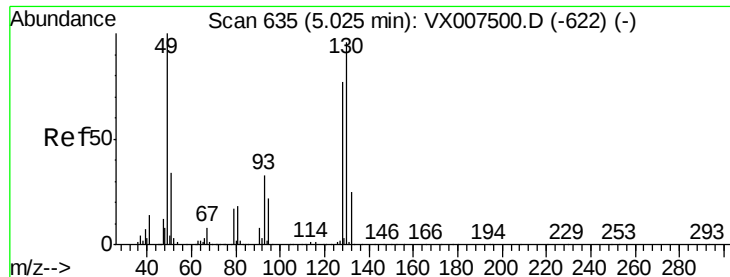
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QLast Update : Wed Feb 13 07:51:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

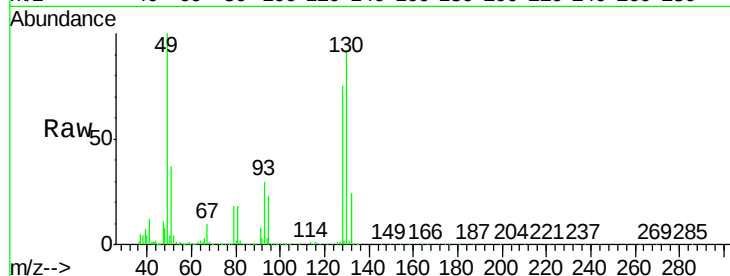
Tot Ion:128 Resp: 85621

Ion Ratio Lower Upper

128 100

49 138.7 0.0 350.8

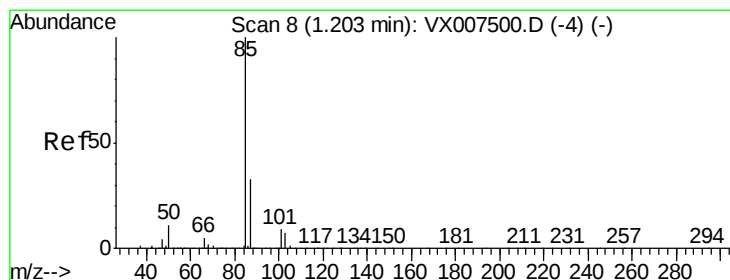
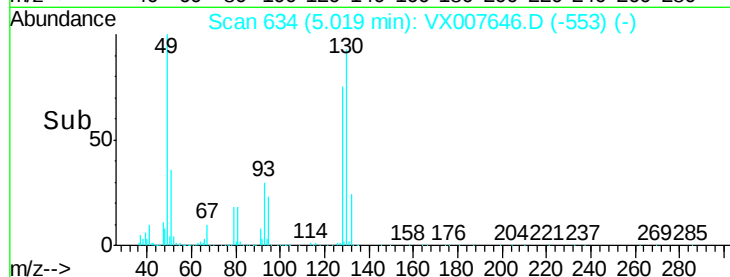
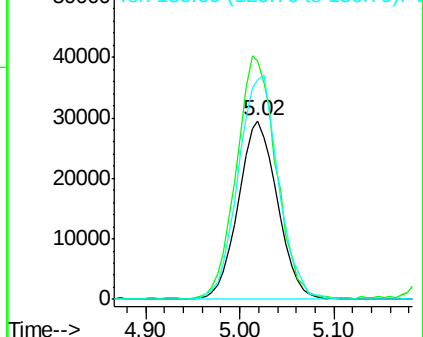
130 127.4 0.0 325.8



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: 22.878 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007646.D

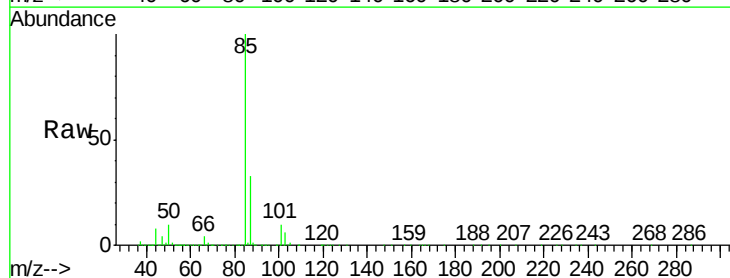
Acq: 22 Feb 2019 08:31

Tgt Ion: 85 Resp: 99196

Ion Ratio Lower Upper

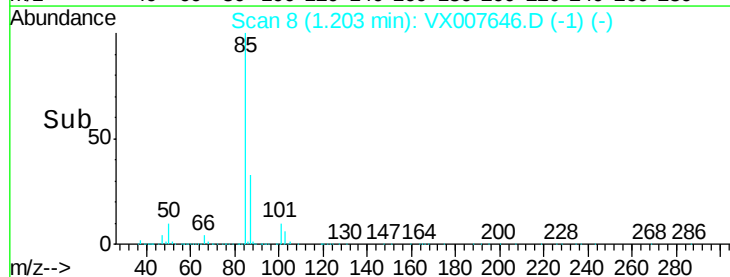
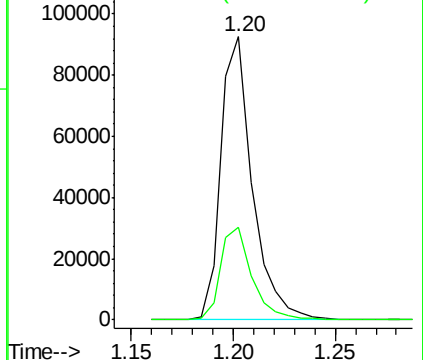
85 100

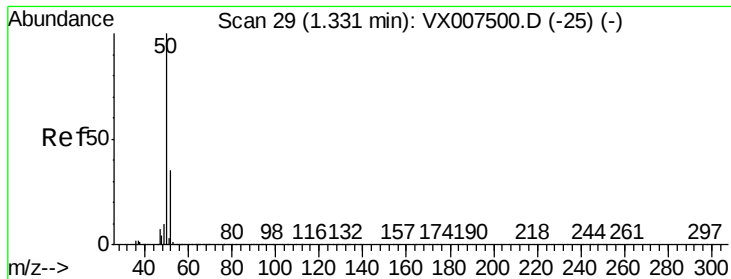
87 32.8 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 22.123 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

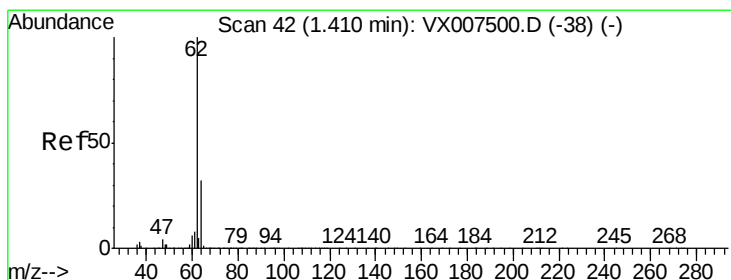
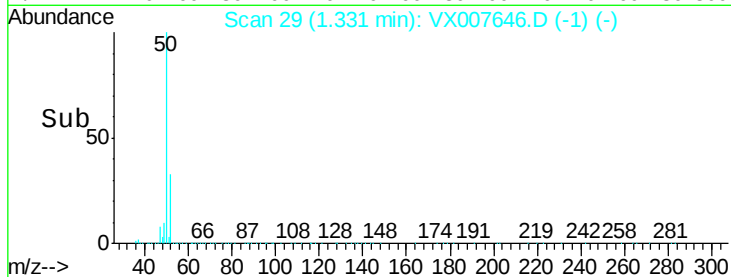
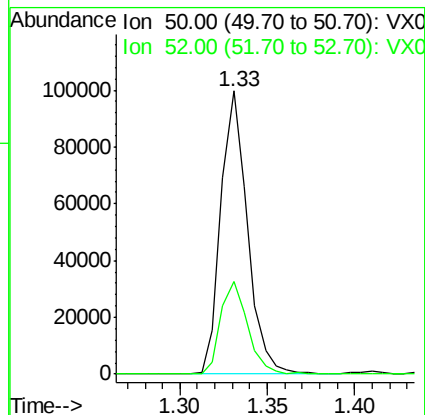
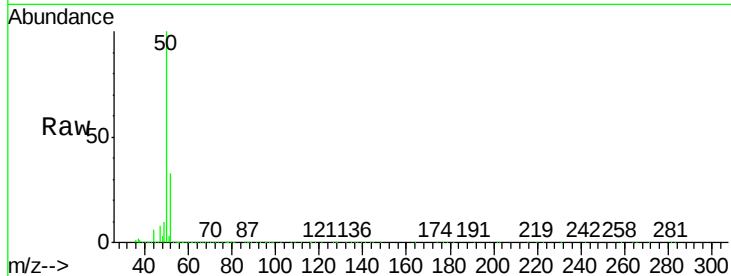
VSTDCCC020

Tot Ion: 50 Resp: 105420

Ion Ratio Lower Upper

50 100

52 32.6 27.5 41.3



#4

Vinyl Chloride

Concen: 20.858 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007646.D

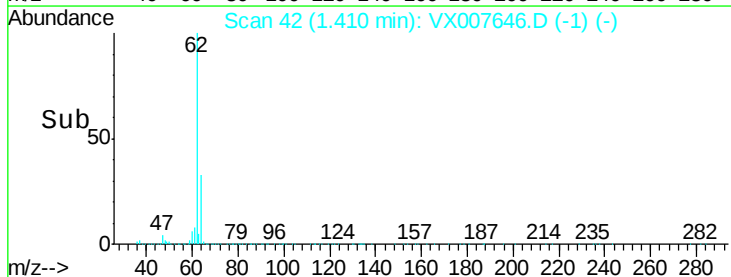
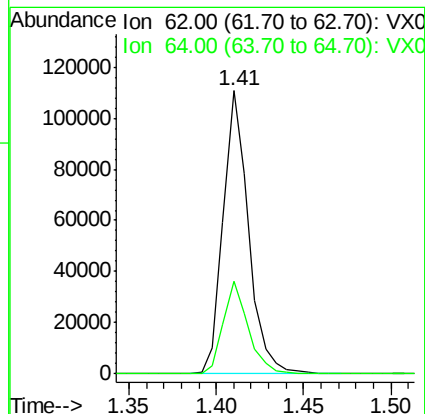
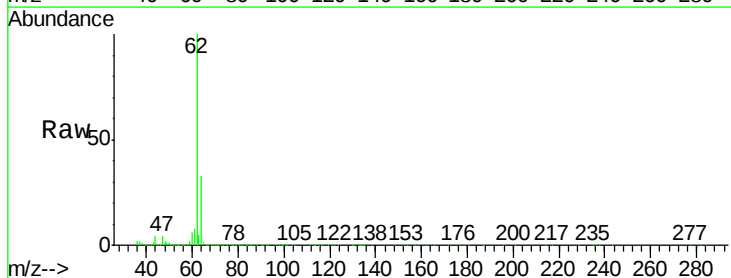
Acq: 22 Feb 2019 08:31

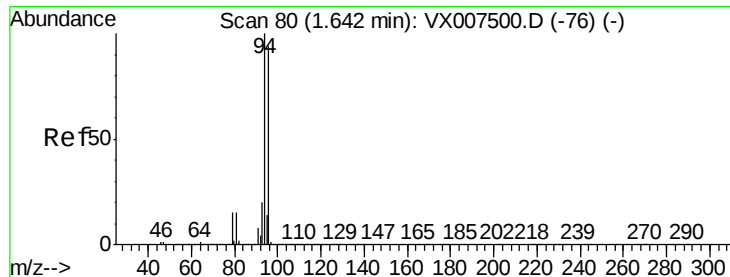
Tgt Ion: 62 Resp: 111796

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 19.926 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

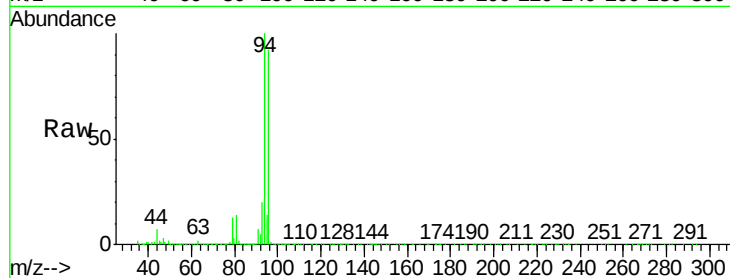
VSTDCCC020

Tot Ion: 94 Resp: 95374

Ion Ratio Lower Upper

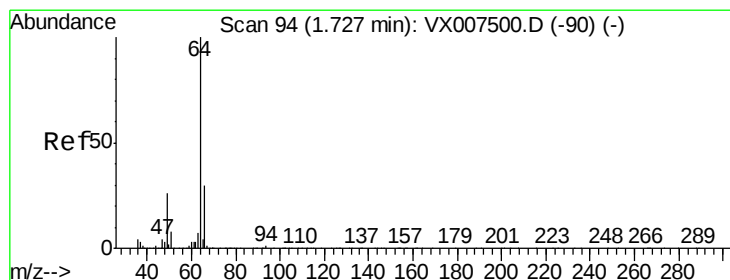
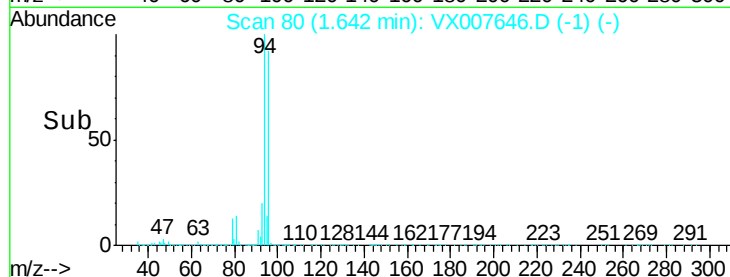
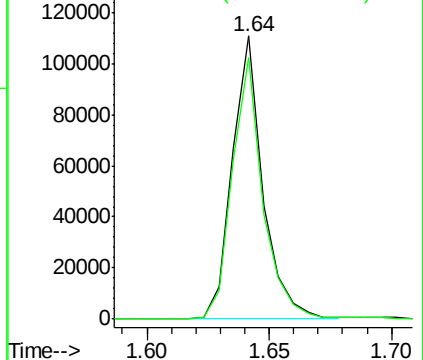
94 100

96 92.3 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.964 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX007646.D

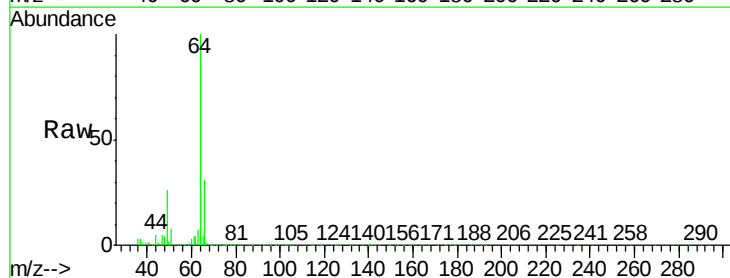
Acq: 22 Feb 2019 08:31

Tgt Ion: 64 Resp: 69096

Ion Ratio Lower Upper

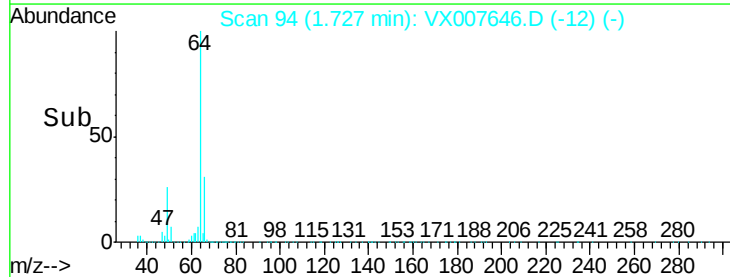
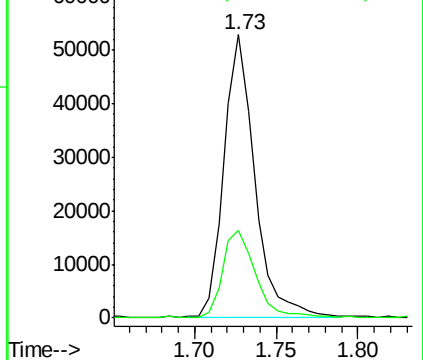
64 100

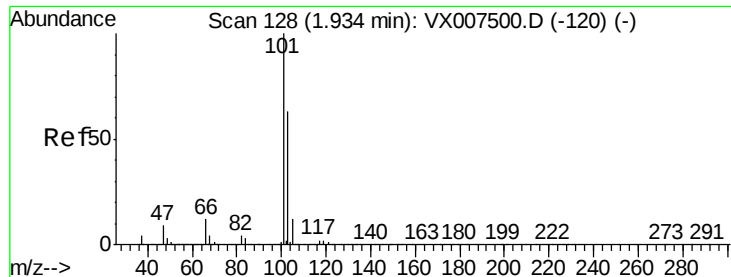
66 31.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



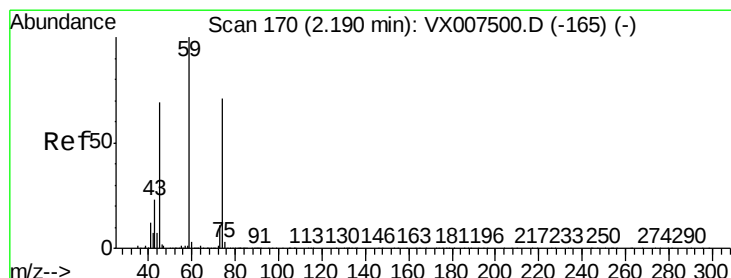
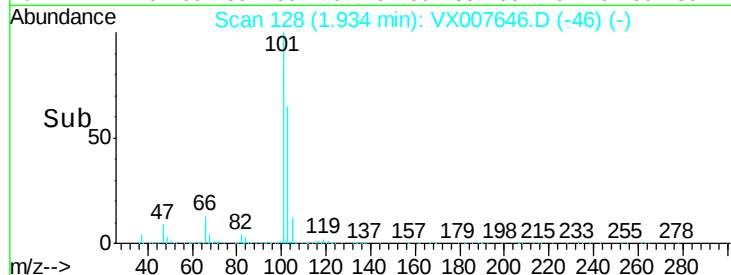
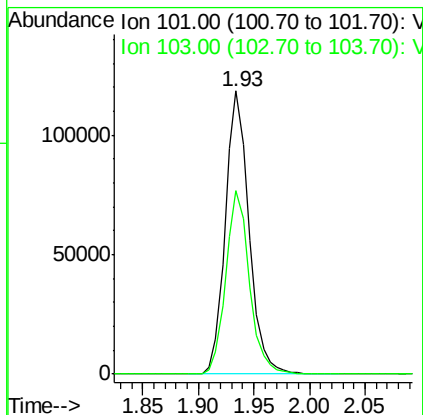
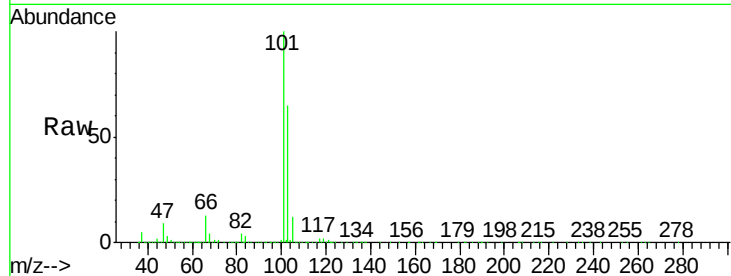


#7

Trichlorofluoromethane
Concen: 20.740 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007646.D
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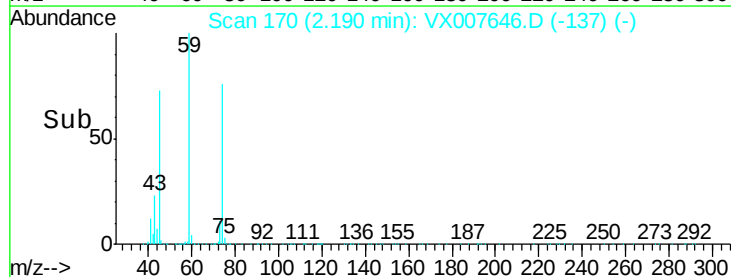
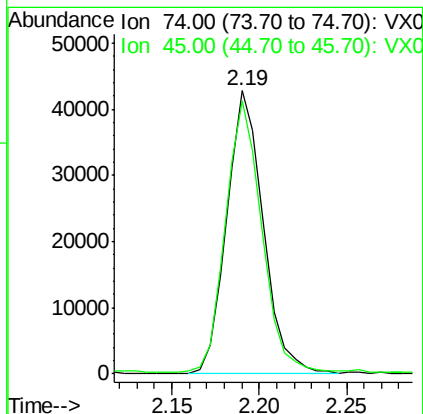
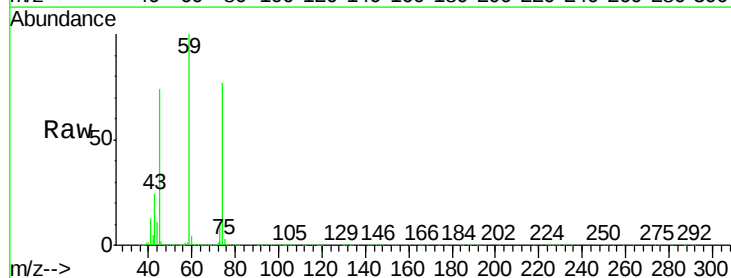
Tot Ion:101 Resp: 174257
Ion Ratio Lower Upper
101 100
103 64.8 50.4 75.6

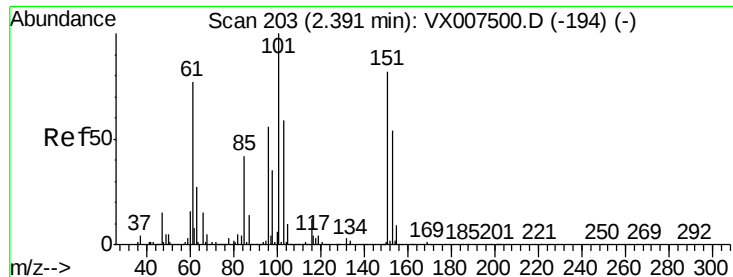


#8

Diethyl Ether
Concen: 18.557 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 74 Resp: 62282
Ion Ratio Lower Upper
74 100
45 95.2 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.632 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

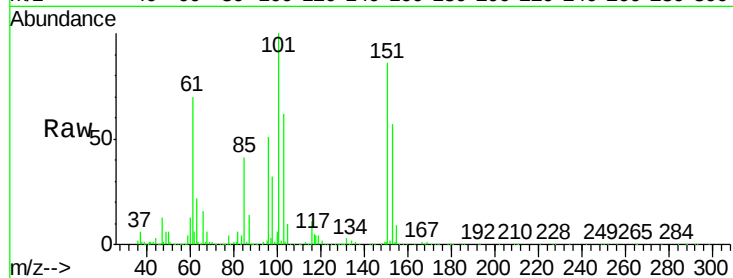
Tot Ion:101 Resp: 102546

Ion Ratio Lower Upper

101 100

85 42.9 0.0 86.8

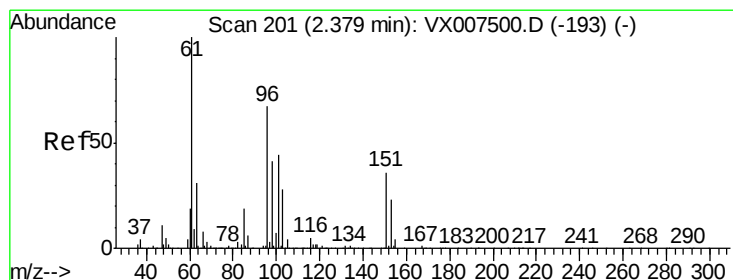
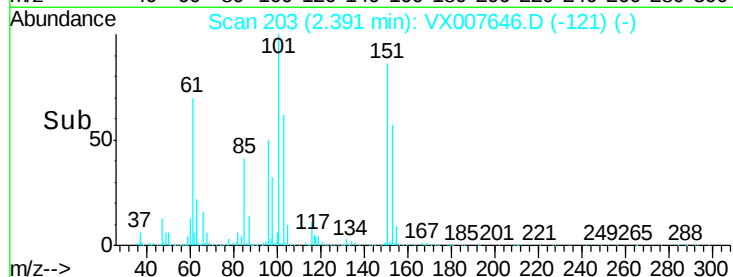
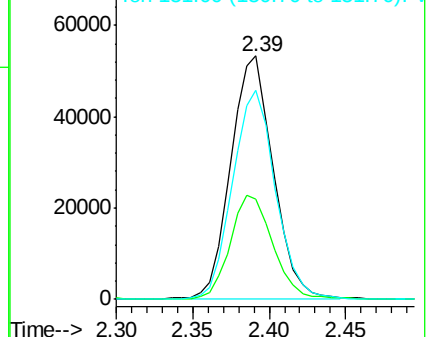
151 87.1 0.0 169.2



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: 19.846 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

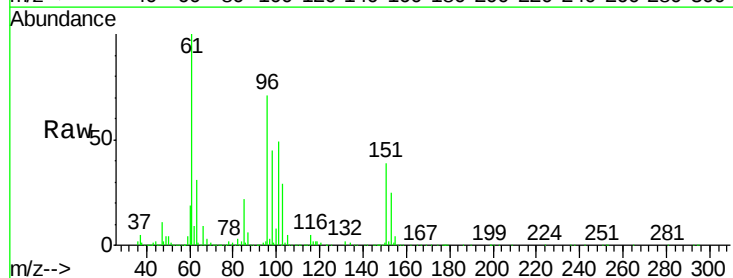
Tgt Ion: 96 Resp: 93353

Ion Ratio Lower Upper

96 100

61 140.4 120.2 180.2

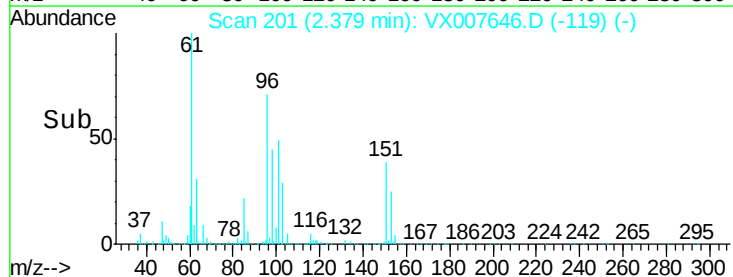
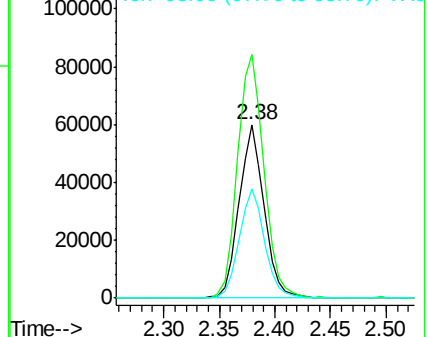
98 63.3 49.0 73.4

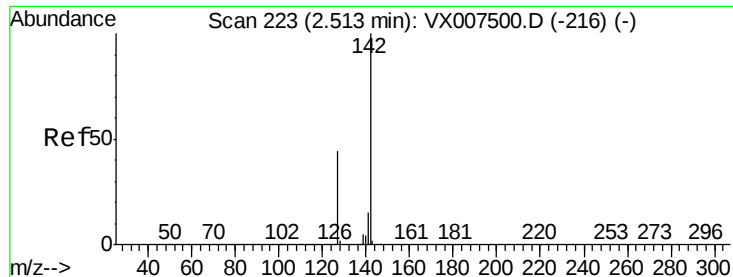


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

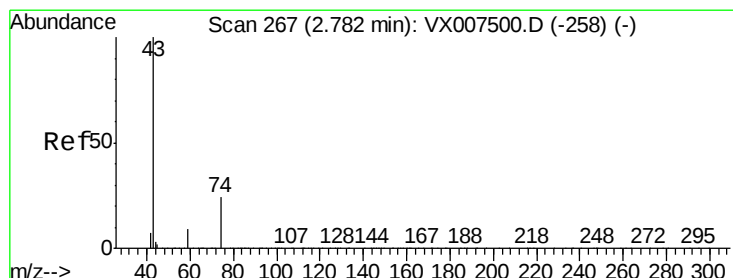
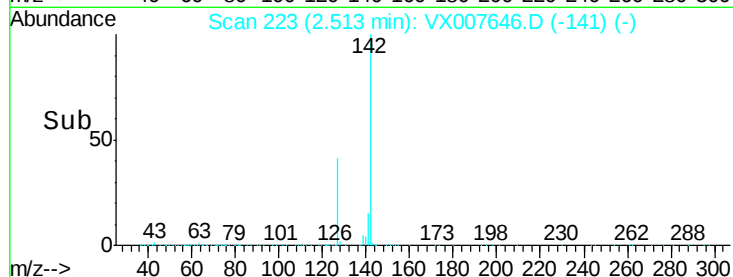
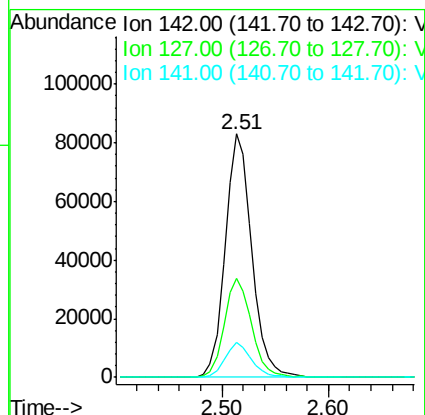
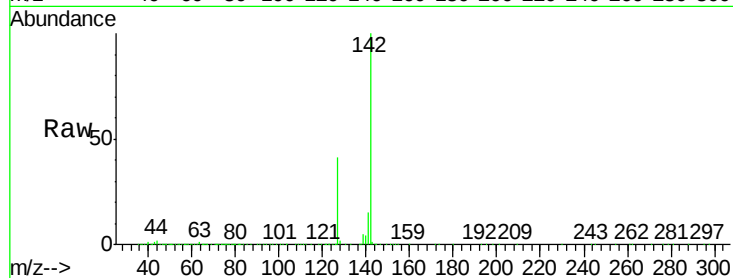




#11
Methvl Iodide
Concen: 21.358 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

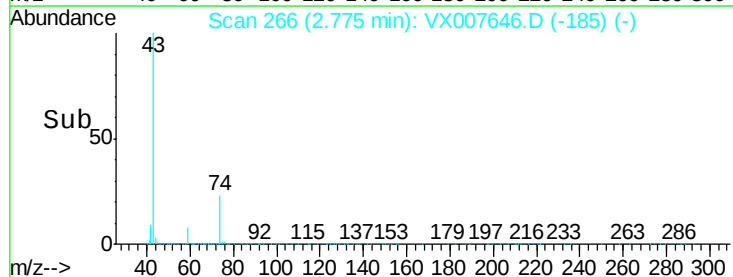
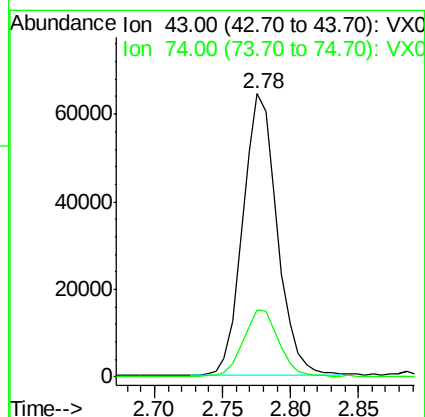
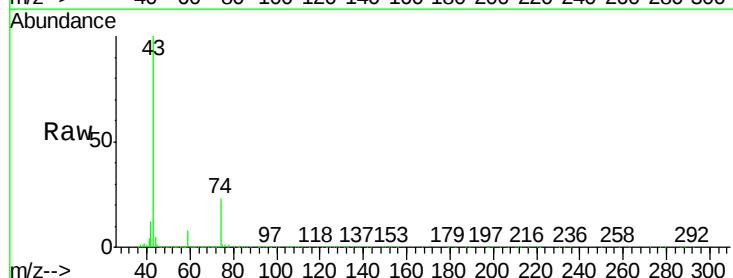
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

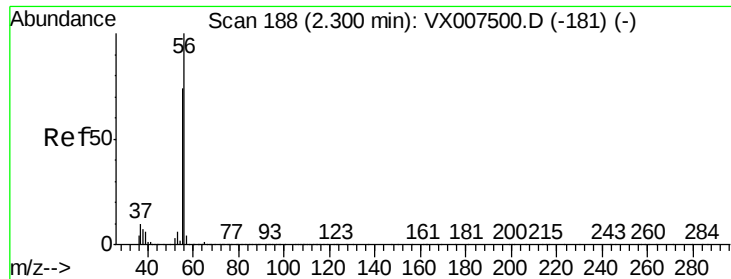
Tot Ion:142 Resp: 144392
Ion Ratio Lower Upper
142 100
127 40.9 22.1 66.5
141 14.5 7.4 22.3



#12
Methyl Acetate
Concen: 17.594 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 43 Resp: 114133
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.0





#13

Acrolein

Concen: 61.477 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

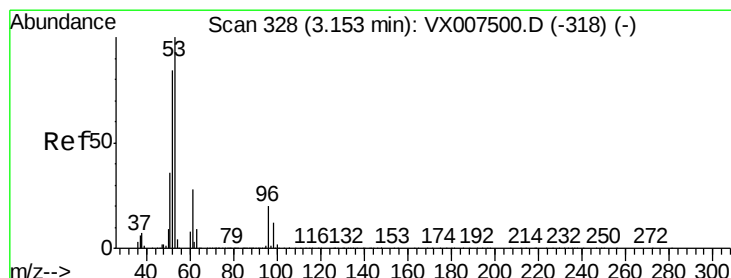
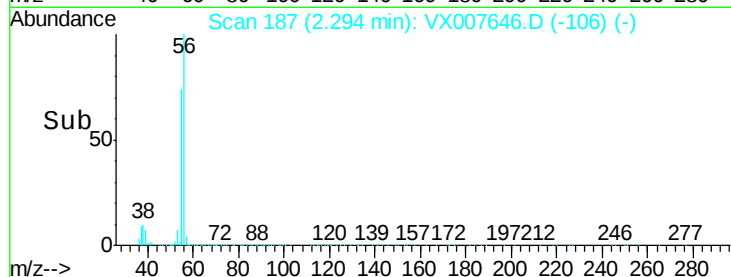
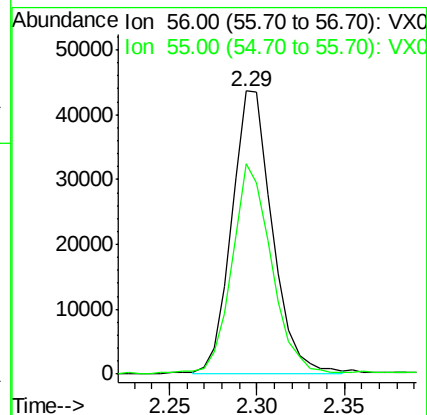
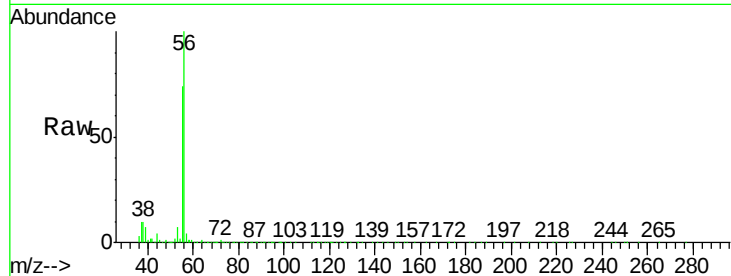
VSTDCCC020

Tot Ion: 56 Resp: 69566

Ion Ratio Lower Upper

56 100

55 72.5 58.6 87.8



#14

Acrylonitrile

Concen: 91.776 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

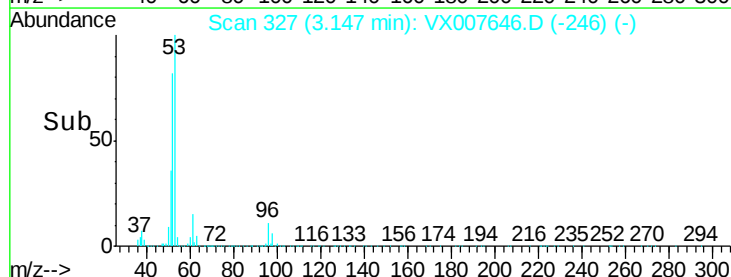
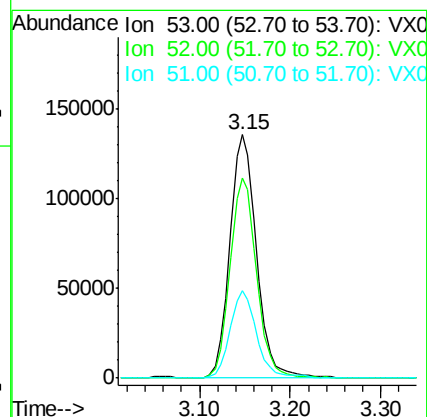
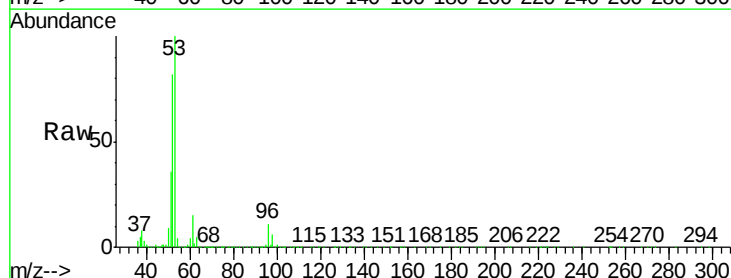
Tgt Ion: 53 Resp: 274315

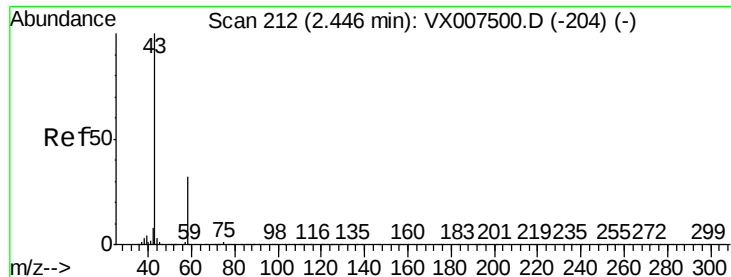
Ion Ratio Lower Upper

53 100

52 81.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 121.342 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

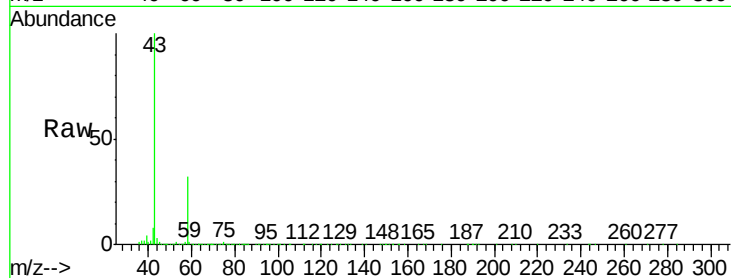
VSTDCCC020

Tot Ion: 58 Resp: 98429

Ion Ratio Lower Upper

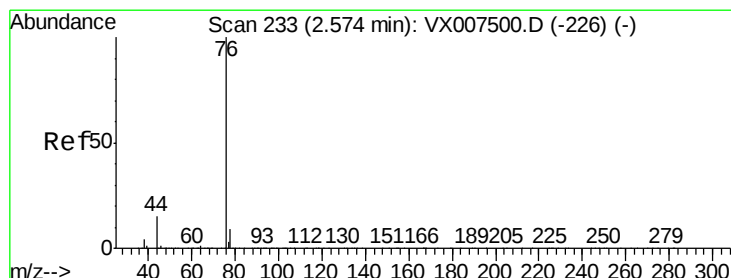
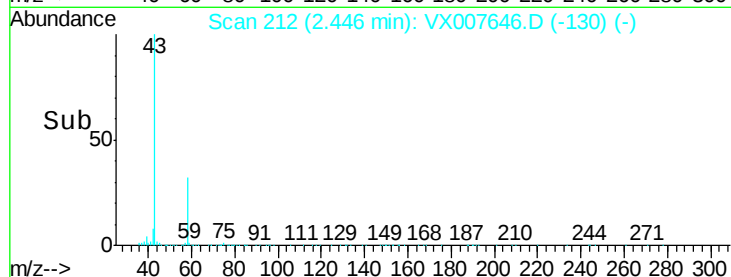
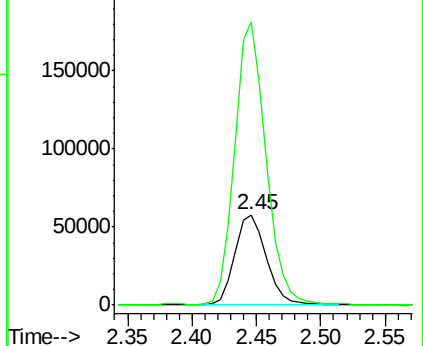
58 100

43 311.5 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.695 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007646.D

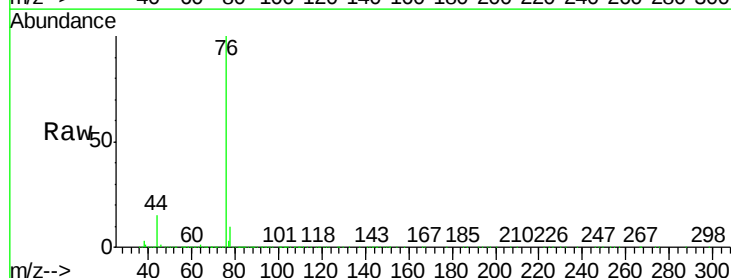
Acq: 22 Feb 2019 08:31

Tgt Ion: 76 Resp: 245677

Ion Ratio Lower Upper

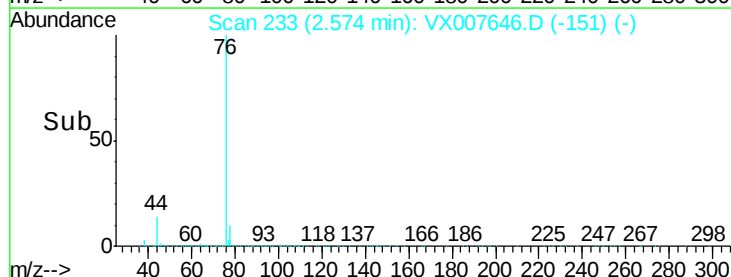
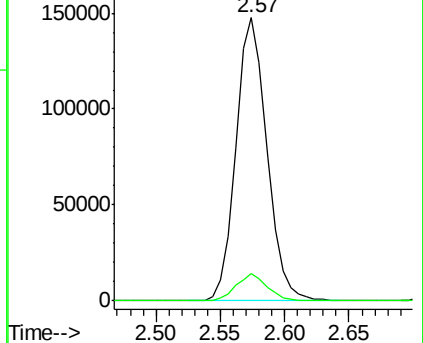
76 100

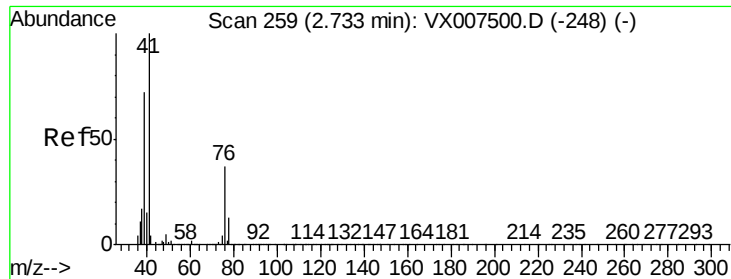
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

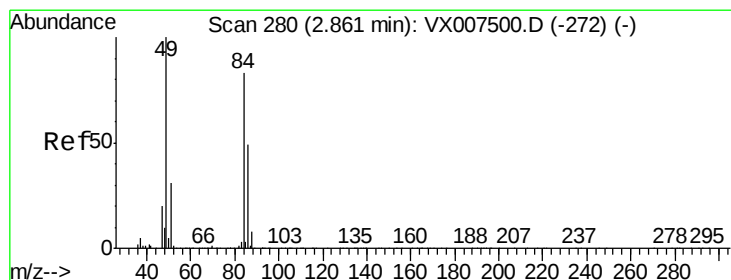
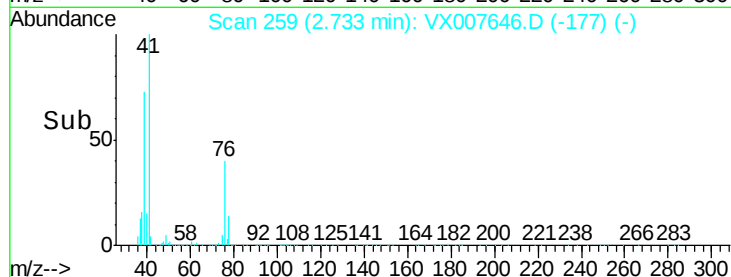
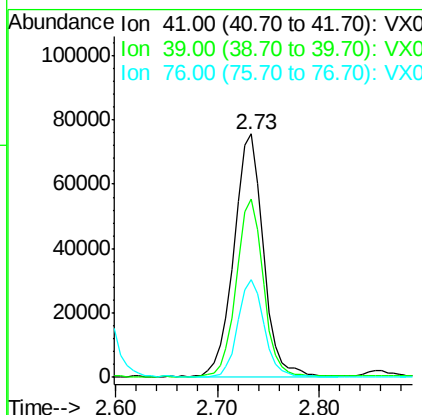
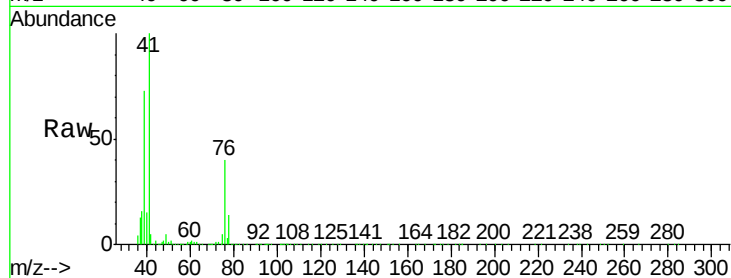




#17
Allvl chloride
Concen: 18.675 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

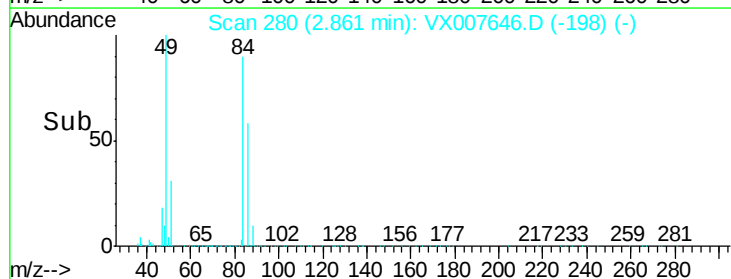
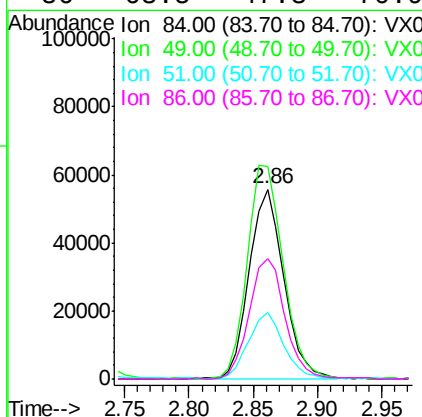
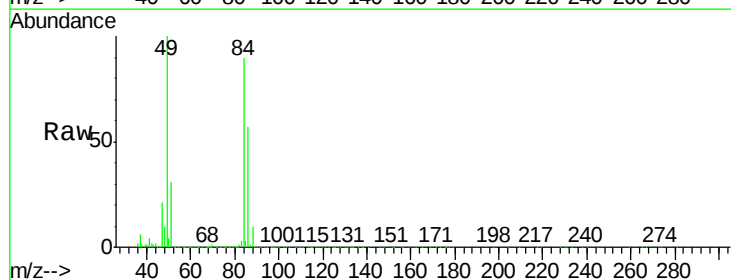
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

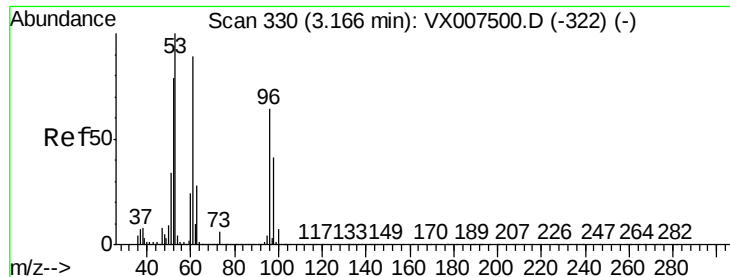
Tot Ion	Ratio	Lower	Upper
41	100		
39	72.9	35.8	107.4
76	39.8	18.3	54.9



#18
Methylene Chloride
Concen: 19.606 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.2	96.1	144.1
51	34.4	29.1	43.7
86	63.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.657 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

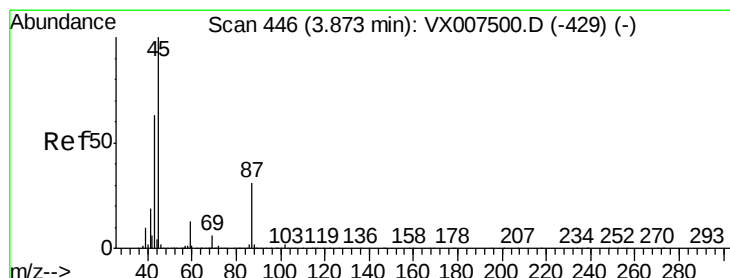
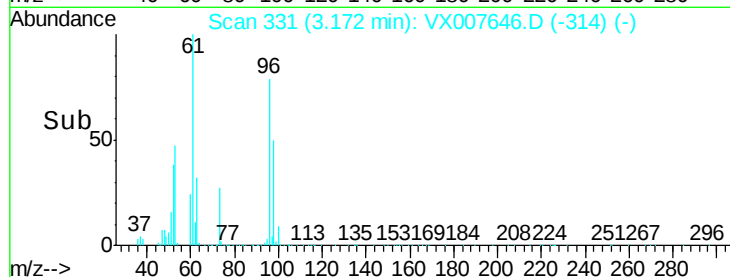
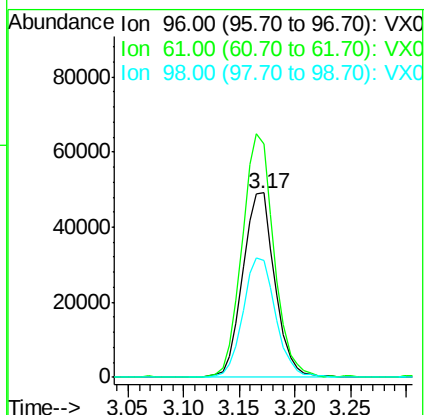
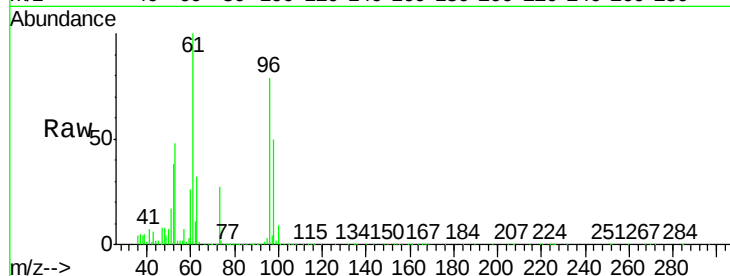
Tot Ion: 96 Resp: 98898

Ion Ratio Lower Upper

96 100

61 126.0 109.9 164.9

98 63.0 50.4 75.6



#20

Diisopropyl ether

Concen: 20.191 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion: 45 Resp: 307518

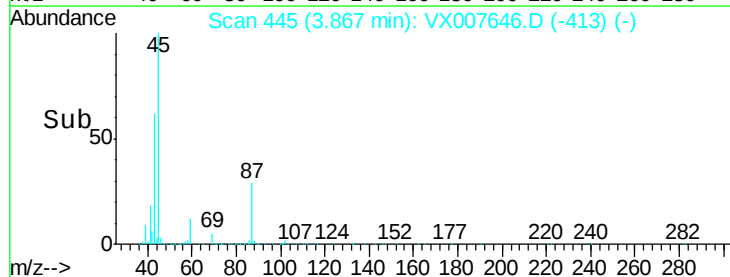
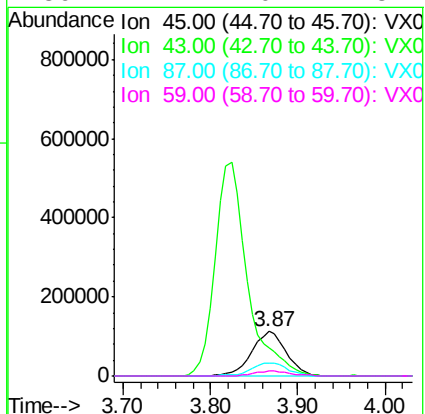
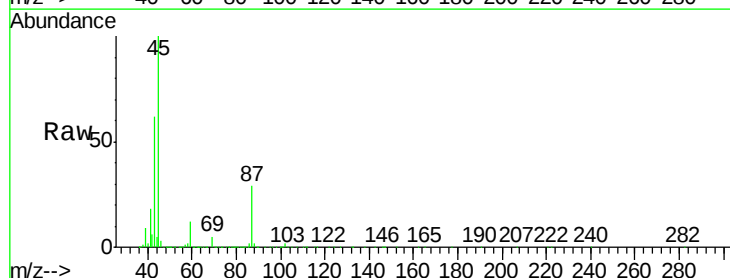
Ion Ratio Lower Upper

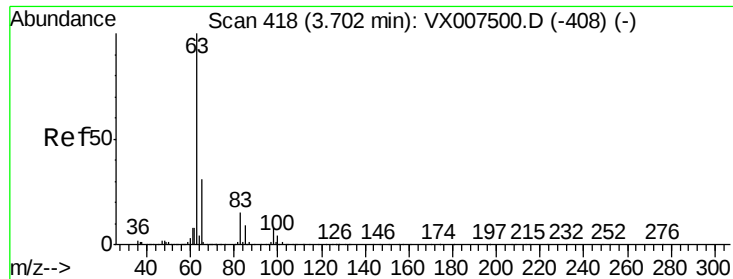
45 100

43 60.5 50.6 76.0

87 29.2 24.5 36.7

59 12.1 10.2 15.2





#21

1,1-Dichloroethane

Concen: 20.447 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

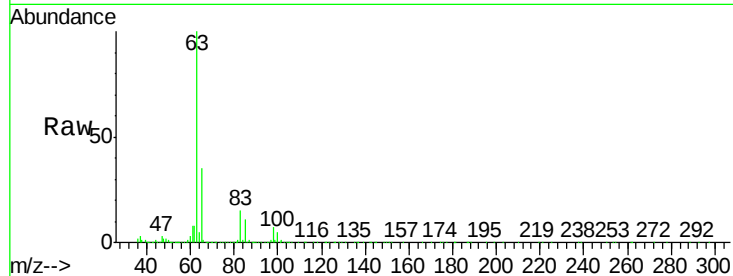
Tot Ion: 63 Resp: 174595

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

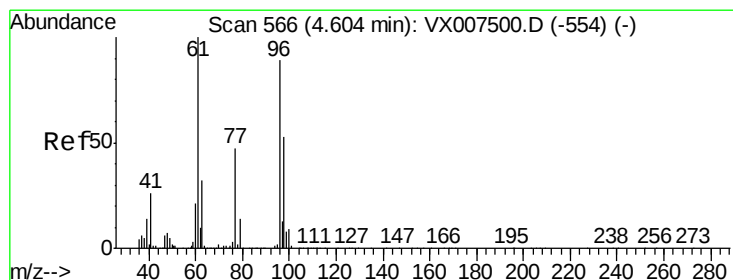
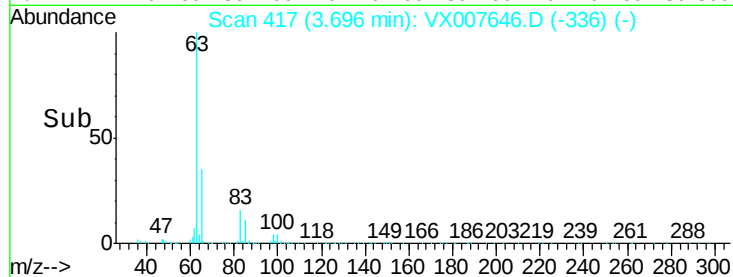
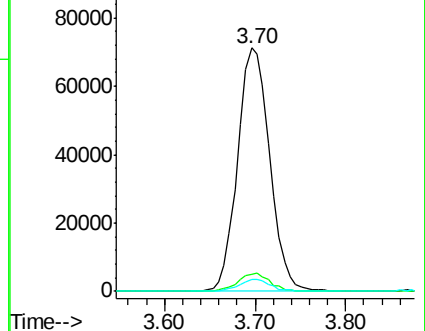
100 4.7 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.325 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

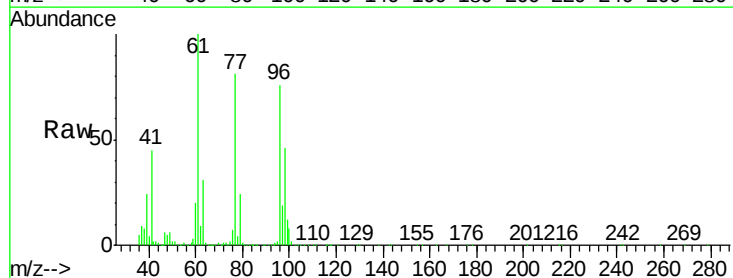
Tgt Ion: 96 Resp: 113797

Ion Ratio Lower Upper

96 100

61 132.3 103.5 155.3

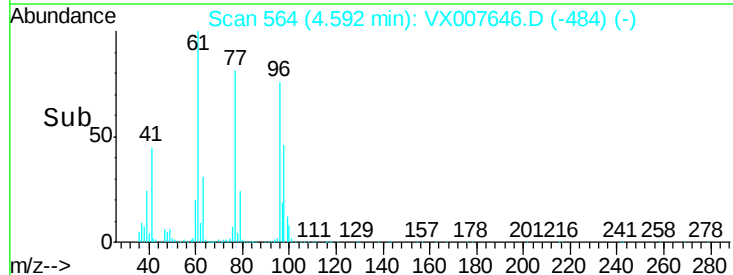
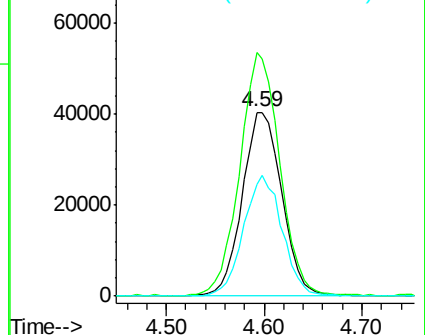
98 64.1 52.1 78.1

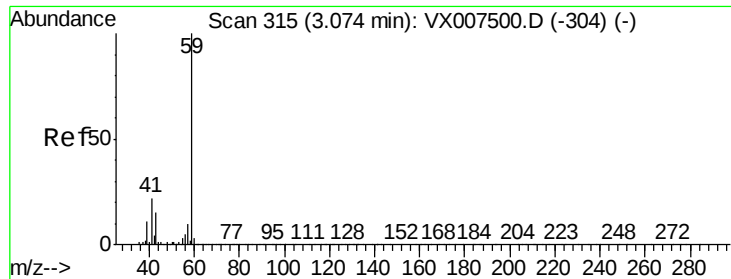


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

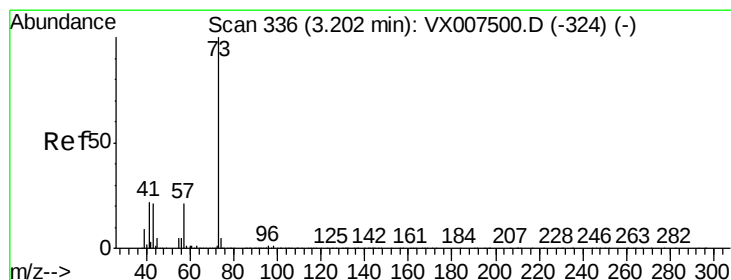
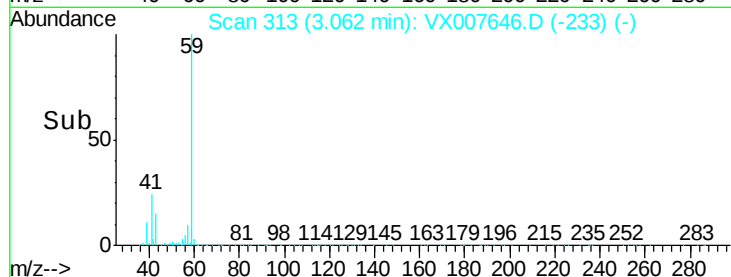
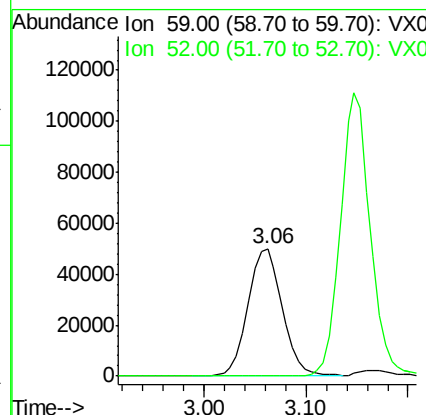
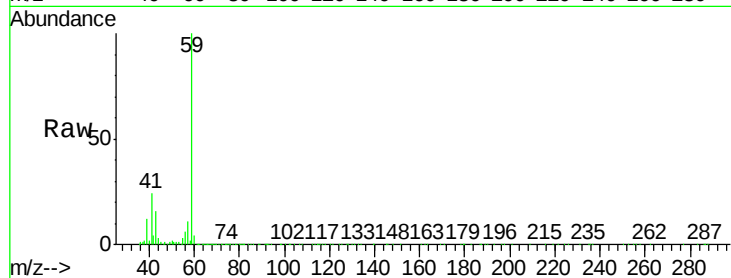




#23
 tert-Butyl Alcohol
 Concen: 92.881 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

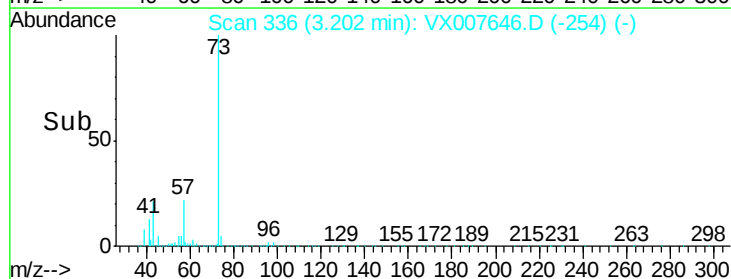
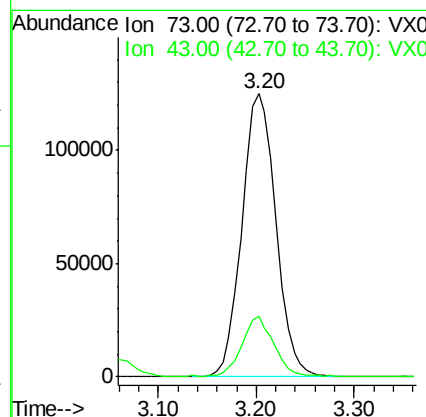
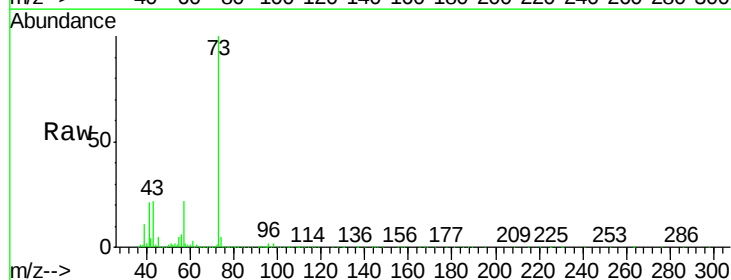
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

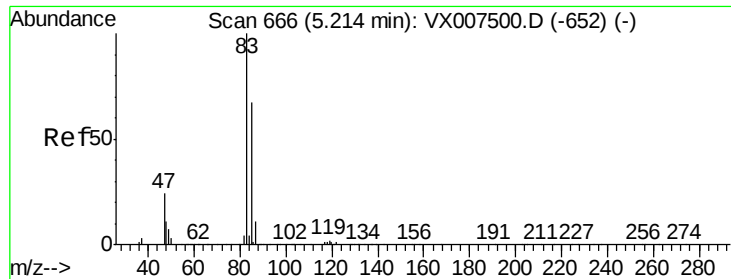
Tot Ion: 59 Resp: 116686
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#



#24
 Methyl tert-Butyl Ether
 Concen: 18.479 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion: 73 Resp: 301647
 Ion Ratio Lower Upper
 73 100
 43 19.8 17.1 25.7





#25

Chloroform

Concen: 20.844 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

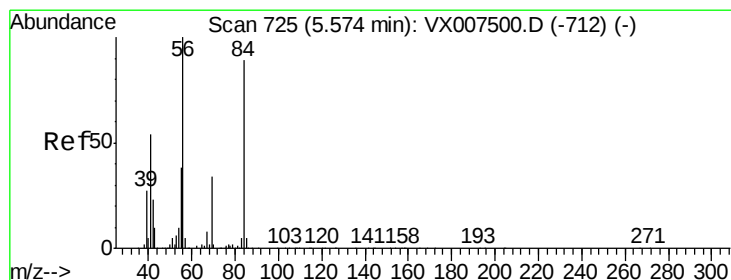
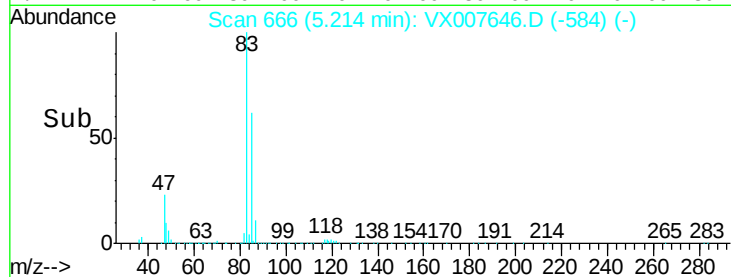
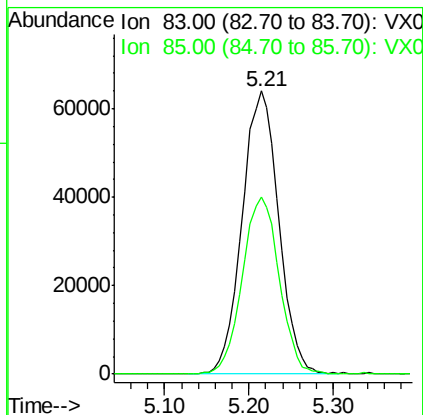
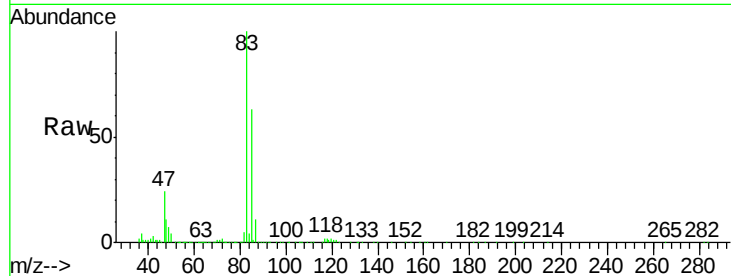
VSTDCCC020

Tot Ion: 83 Resp: 187974

Ion Ratio Lower Upper

83 100

85 62.5 53.8 80.6



#26

Cyclohexane

Concen: 21.604 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

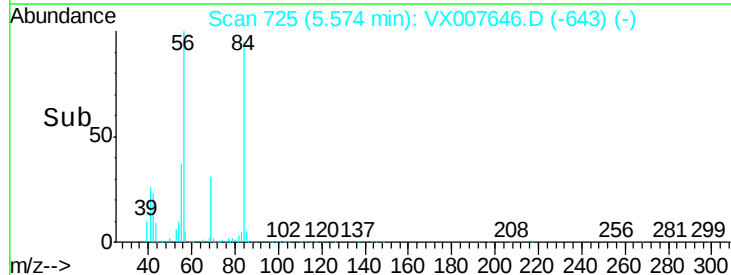
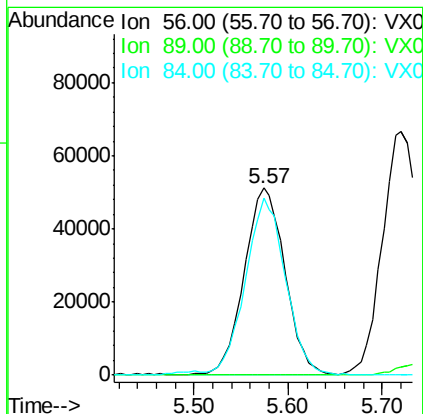
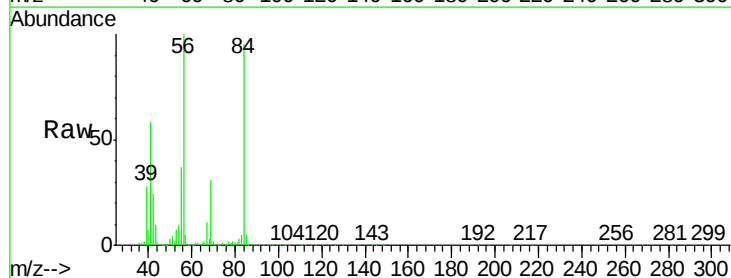
Tgt Ion: 56 Resp: 154684

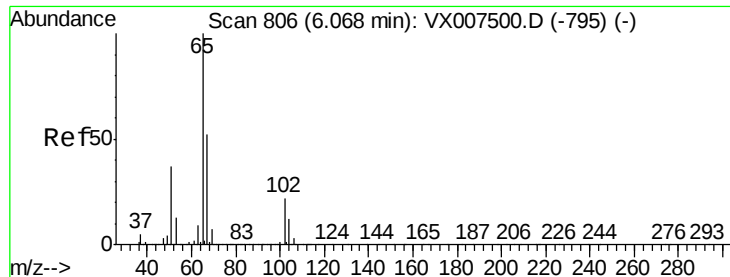
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 92.4 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.422 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

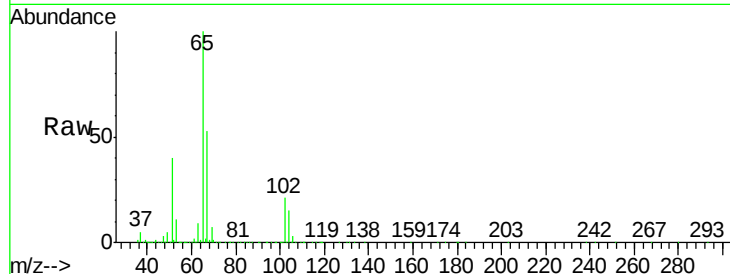
VSTDCCC020

Tot Ion: 65 Resp: 168496

Ion Ratio Lower Upper

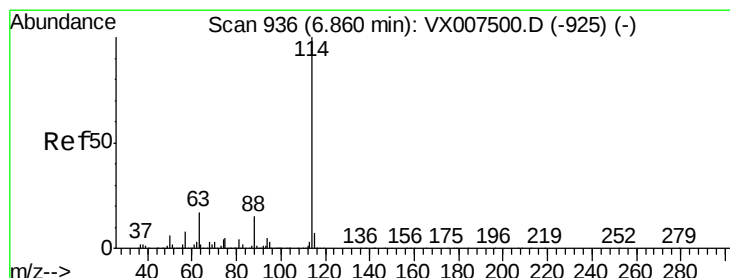
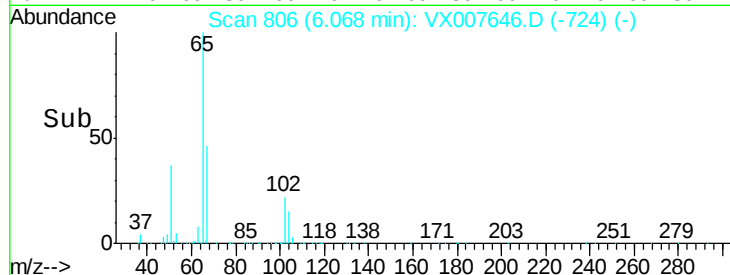
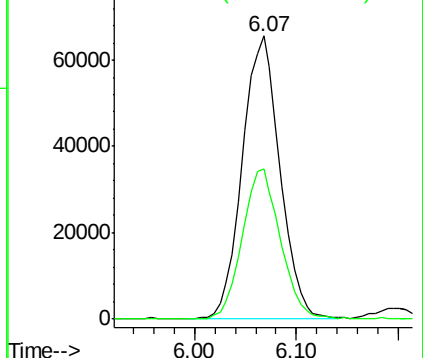
65 100

67 53.4 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

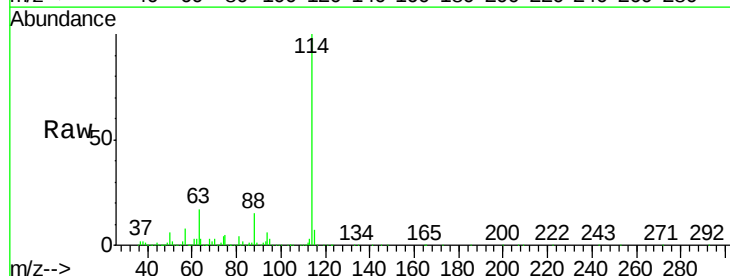
Tgt Ion: 114 Resp: 454753

Ion Ratio Lower Upper

114 100

63 18.2 14.2 21.4

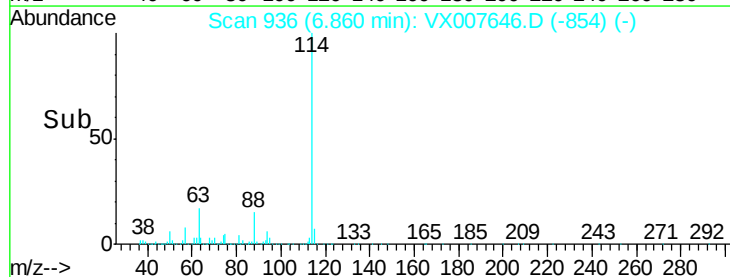
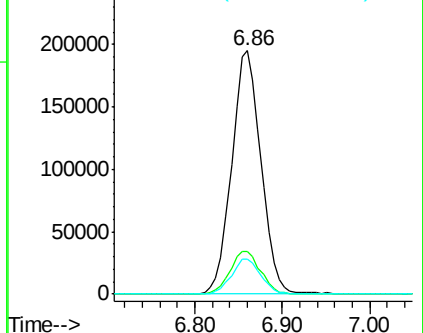
88 14.4 11.9 17.9

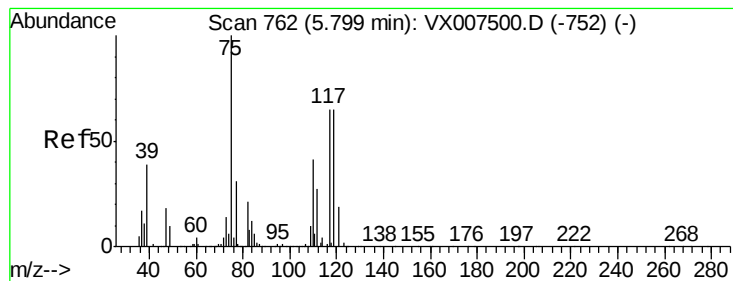


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 21.218 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

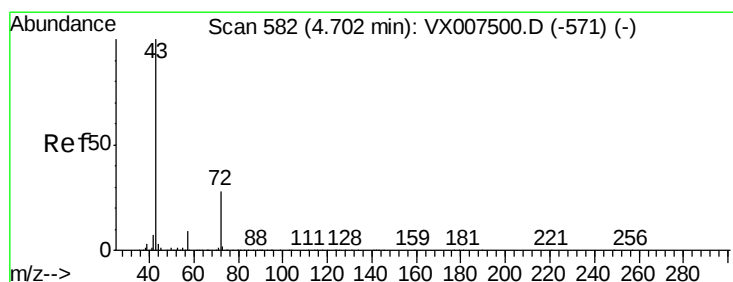
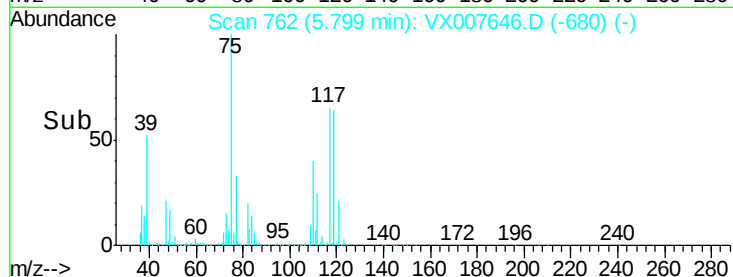
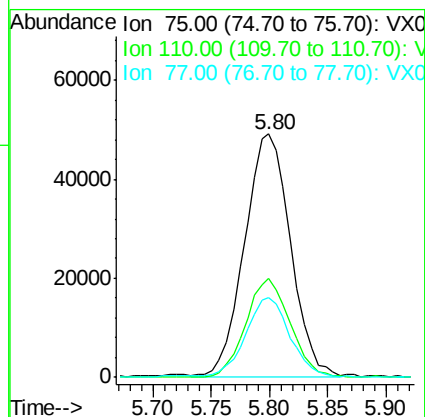
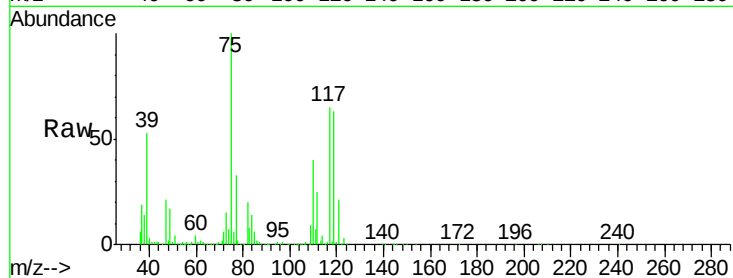
Tot Ion: 75 Resp: 134589

Ion Ratio Lower Upper

75 100

110 39.3 0.0 80.8

77 31.6 0.0 62.4



#30

2-Butanone

Concen: 109.814 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

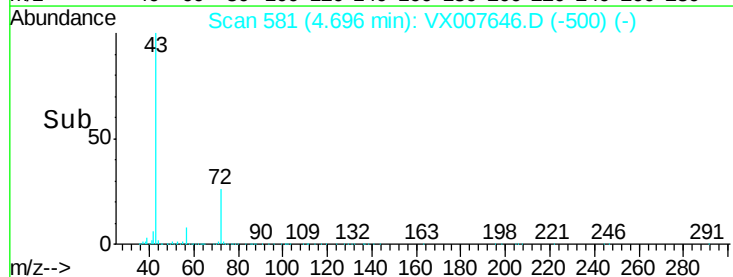
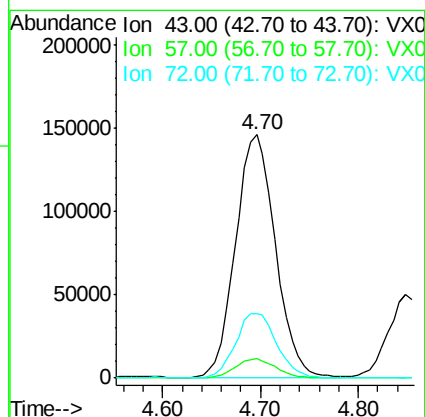
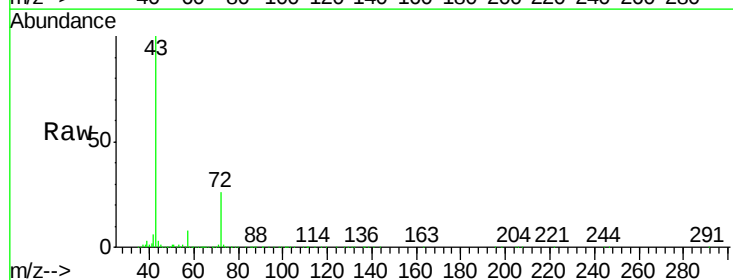
Tgt Ion: 43 Resp: 412234

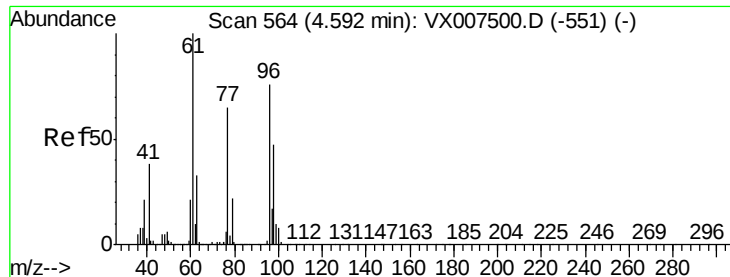
Ion Ratio Lower Upper

43 100

57 8.1 7.0 10.6

72 27.1 21.5 32.3





#31

2,2-Dichloropropane

Concen: 26.440 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

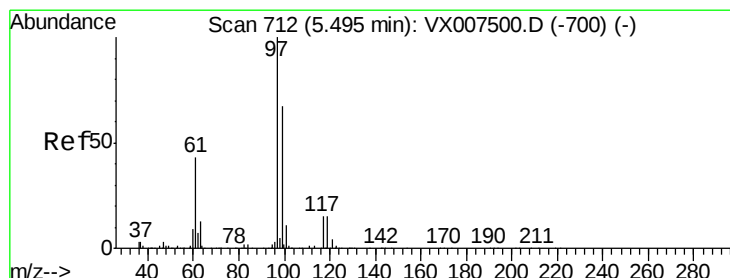
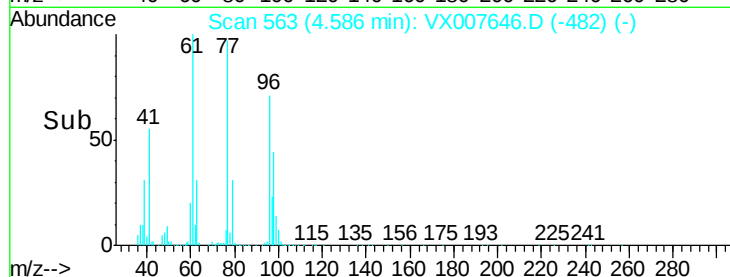
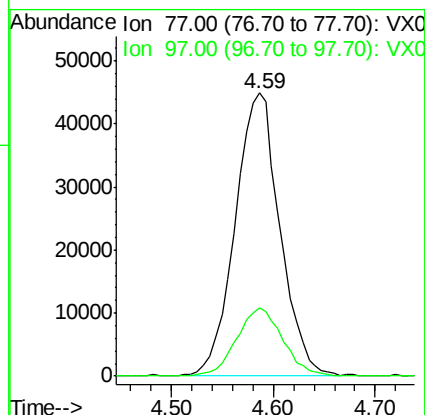
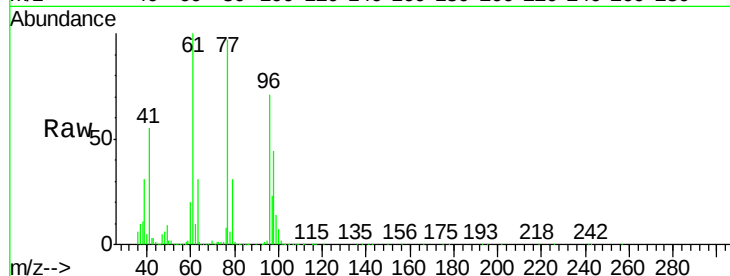
VSTDCCC020

Tot Ion: 77 Resp: 136265

Ion Ratio Lower Upper

77 100

97 24.8 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 20.910 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

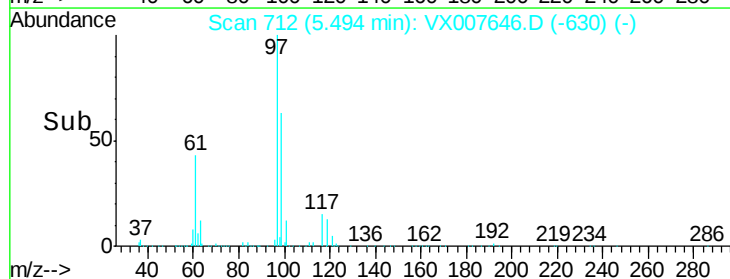
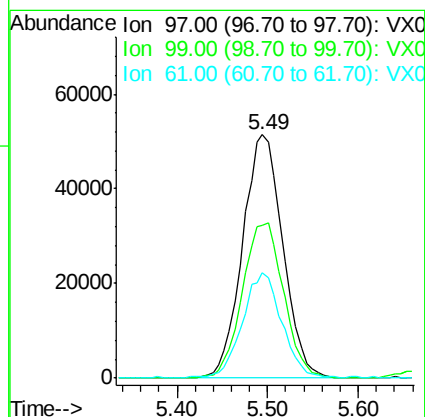
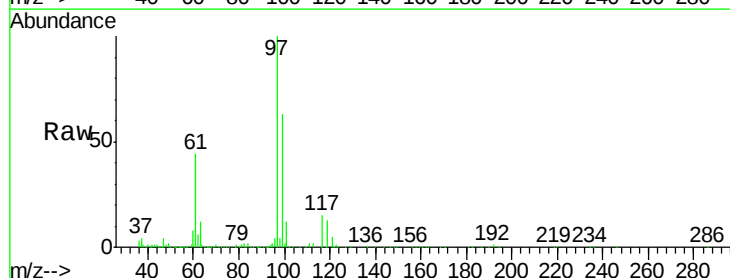
Tgt Ion: 97 Resp: 158535

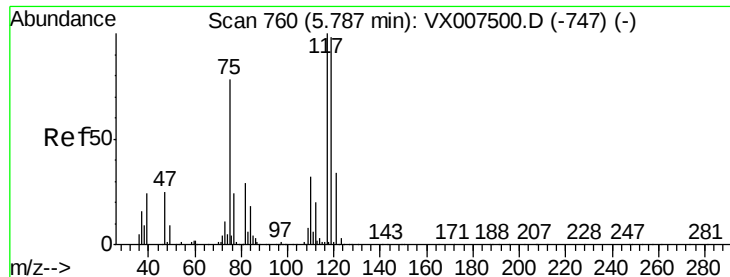
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 41.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 21.335 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

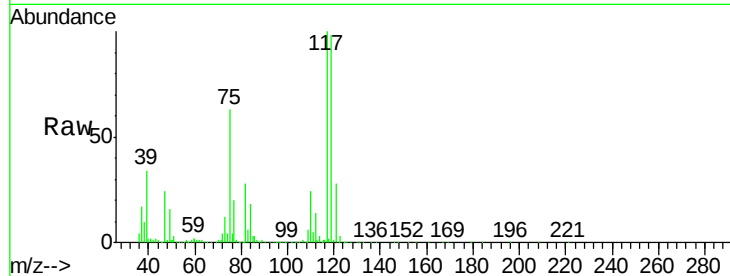
Tot Ion:117 Resp: 142995

Ion Ratio Lower Upper

117 100

119 97.9 78.1 117.1

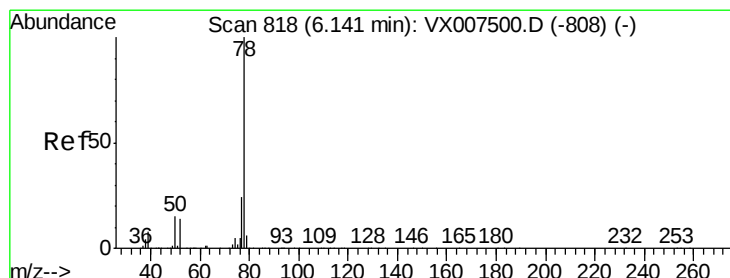
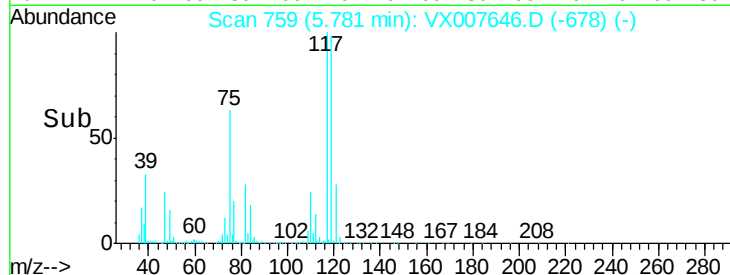
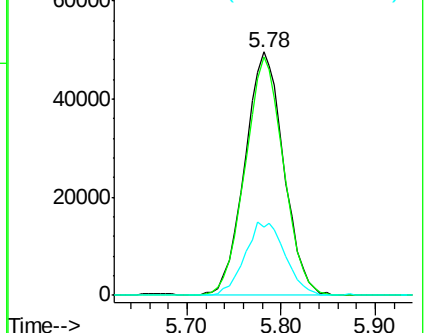
121 27.7 27.0 40.6



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: 20.521 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

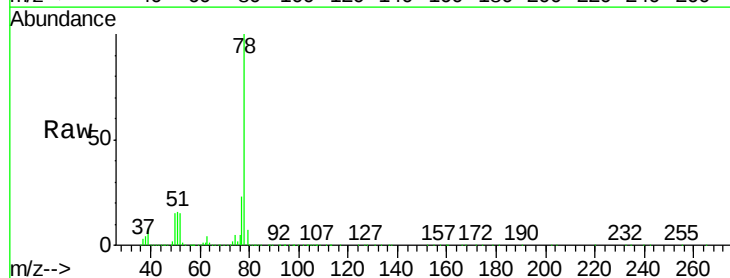
Tgt Ion: 78 Resp: 410371

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

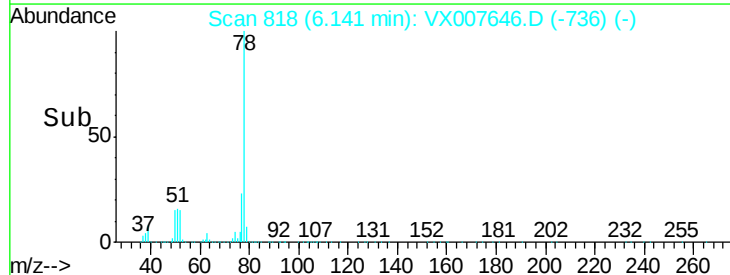
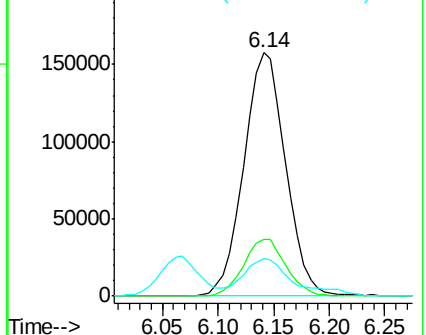
51 12.8 10.8 16.2

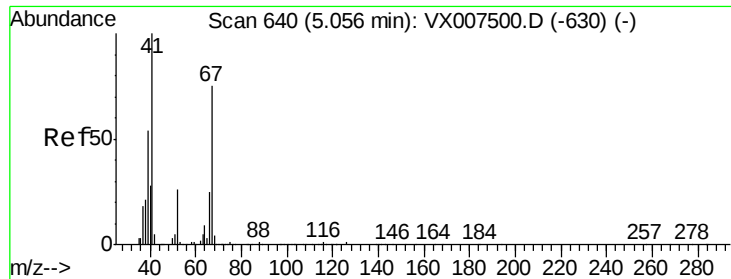


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#35

Methacrylonitrile

Concen: 19.602 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 41 Resp: 76508

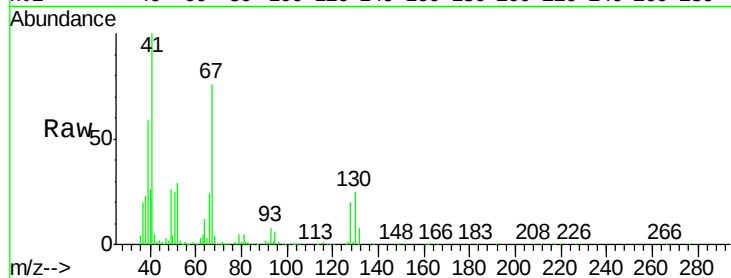
Ion Ratio Lower Upper

41 100

39 58.8 27.4 82.0

67 75.5 37.9 113.6

52 28.7 13.3 39.9

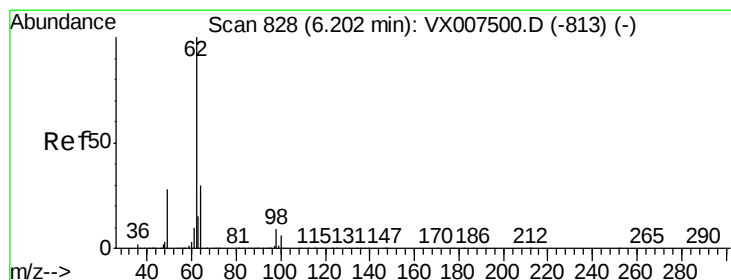
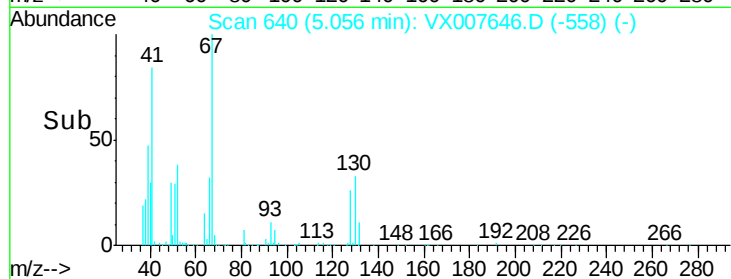
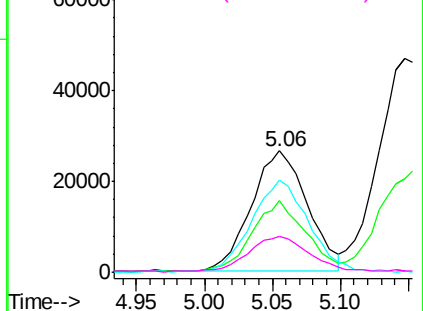


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 20.545 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX007646.D

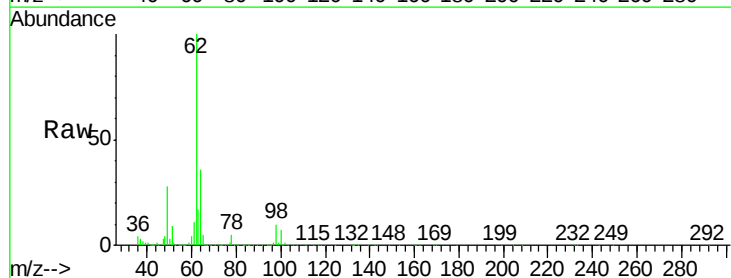
Acq: 22 Feb 2019 08:31

Tgt Ion: 62 Resp: 139818

Ion Ratio Lower Upper

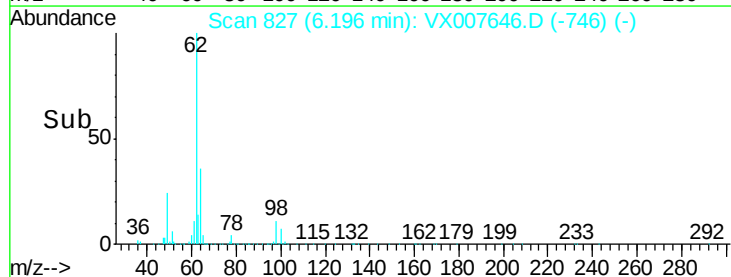
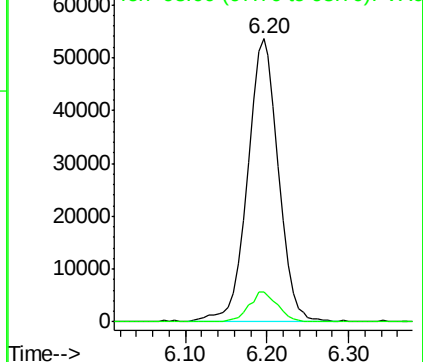
62 100

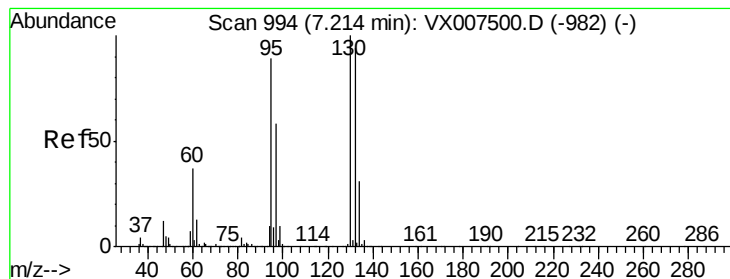
98 10.0 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 20.862 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

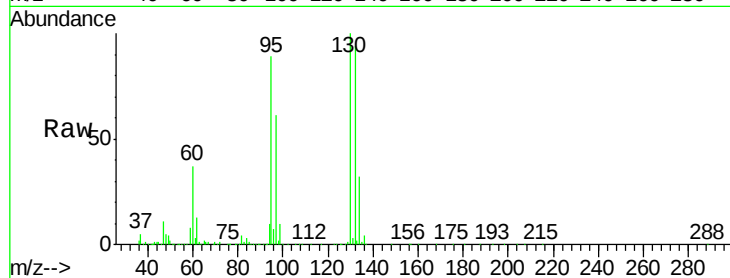
VSTDCCC020

Tot Ion:130 Resp: 119944

Ion Ratio Lower Upper

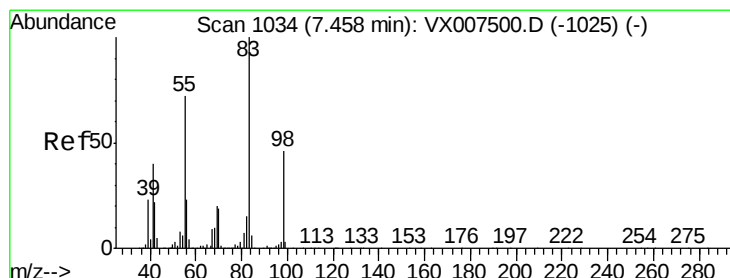
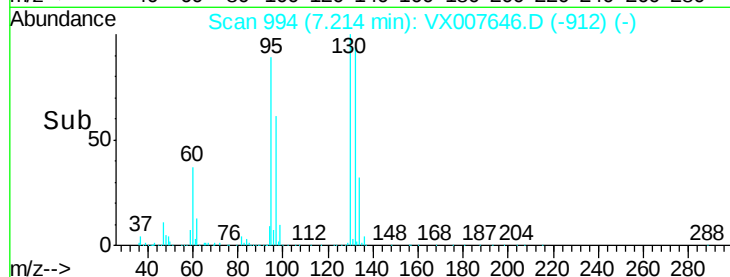
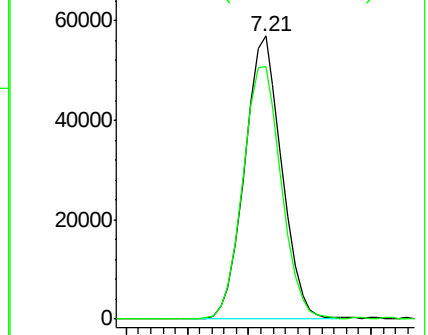
130 100

95 89.1 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: 22.905 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

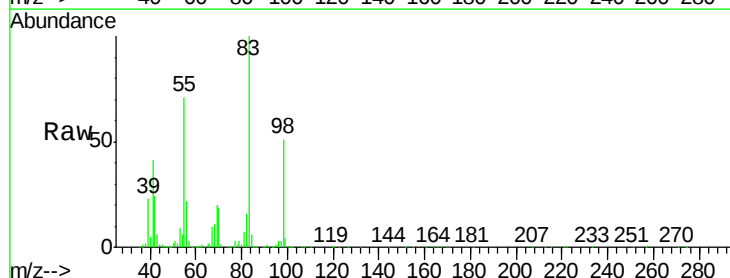
Tgt Ion: 83 Resp: 168193

Ion Ratio Lower Upper

83 100

55 73.1 36.0 108.0

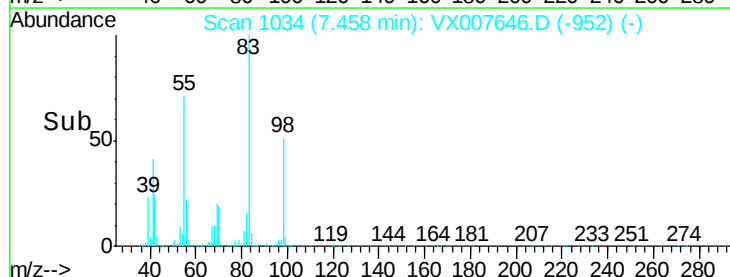
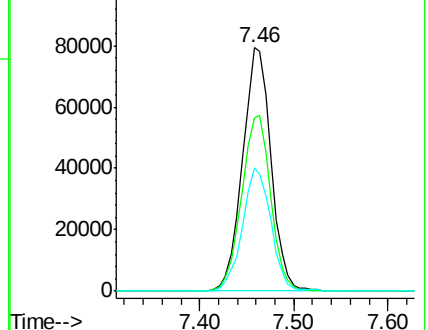
98 50.4 23.8 71.4

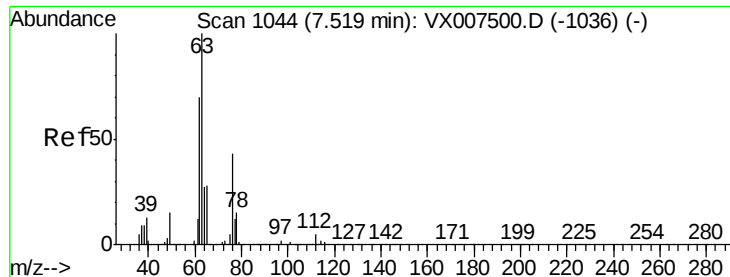


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 20.168 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampled :

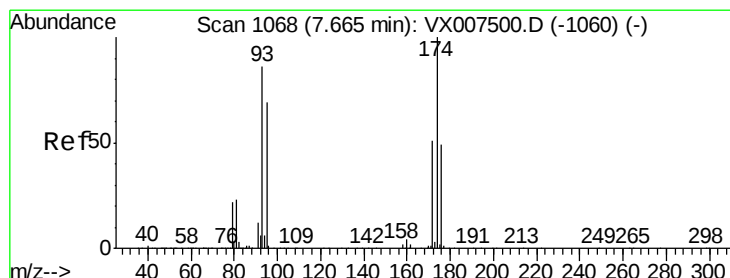
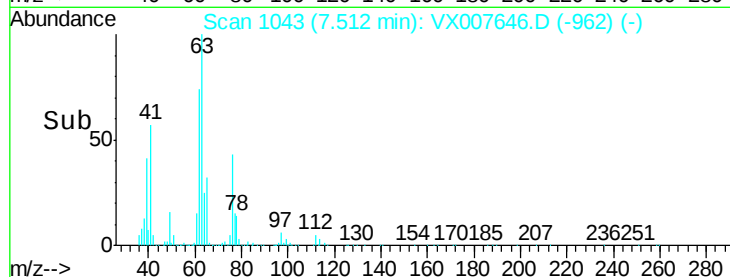
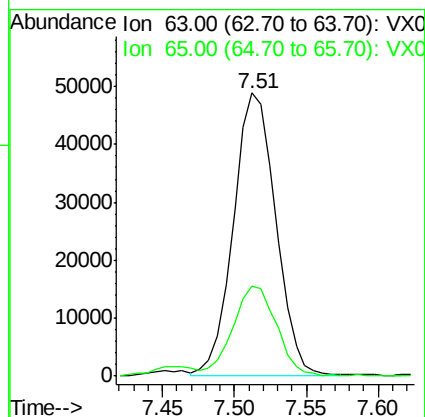
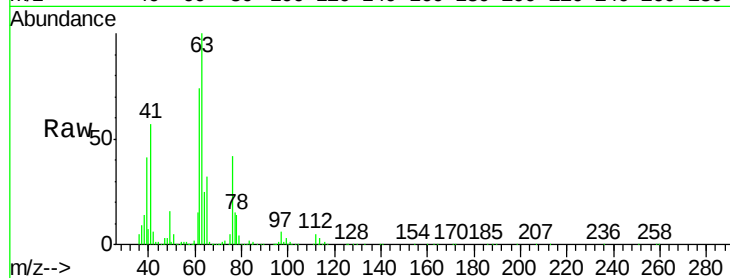
VSTDCCC020

Tot Ion: 63 Resp: 100315

Ion Ratio Lower Upper

63 100

65 31.6 24.6 37.0



#40

Dibromomethane

Concen: 20.909 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

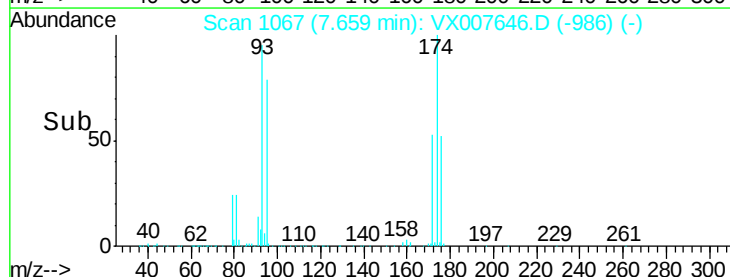
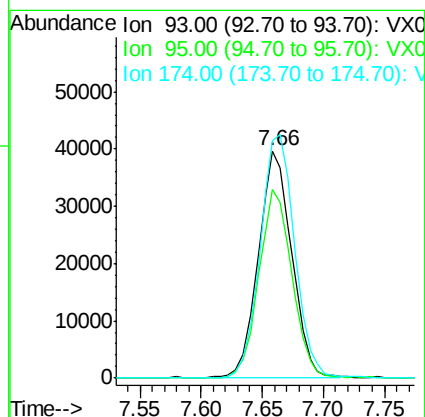
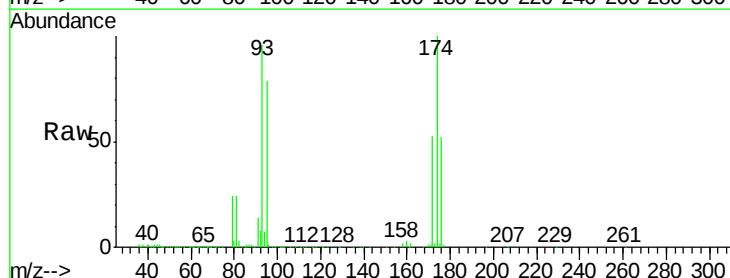
Tgt Ion: 93 Resp: 75112

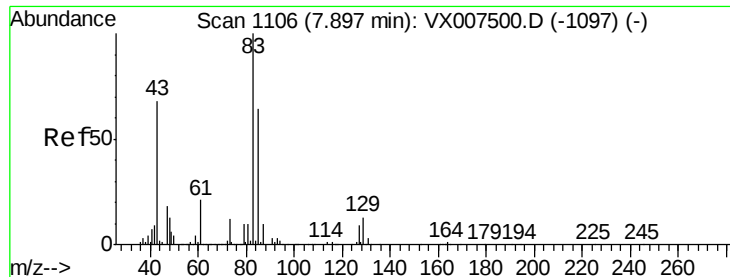
Ion Ratio Lower Upper

93 100

95 82.9 0.0 158.8

174 110.6 0.0 224.2





#41

Bromodichloromethane

Concen: 20.814 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

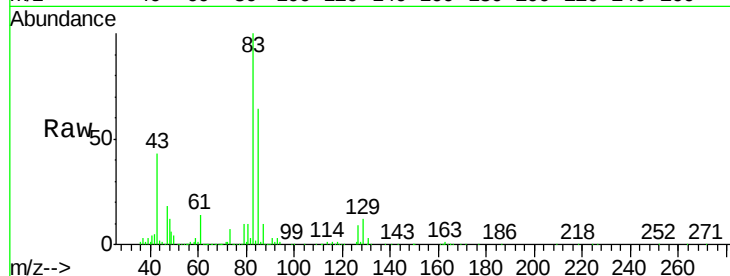
Tot Ion: 83 Resp: 132693

Ion Ratio Lower Upper

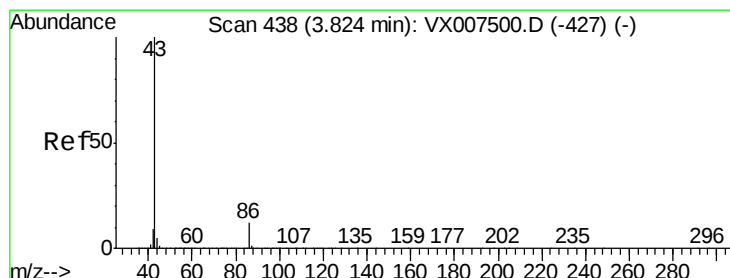
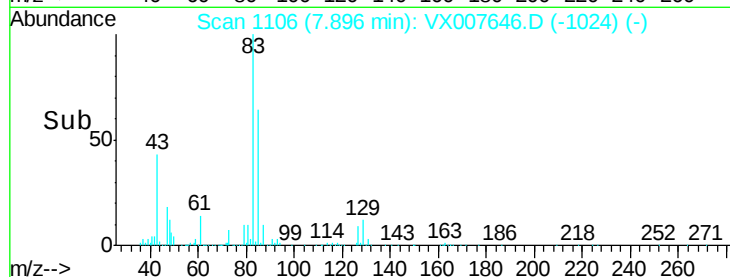
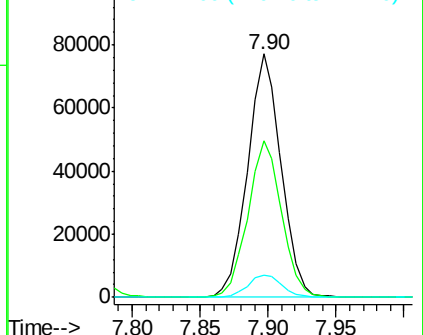
83 100

85 64.1 51.1 76.7

127 8.9 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: 105.384 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007646.D

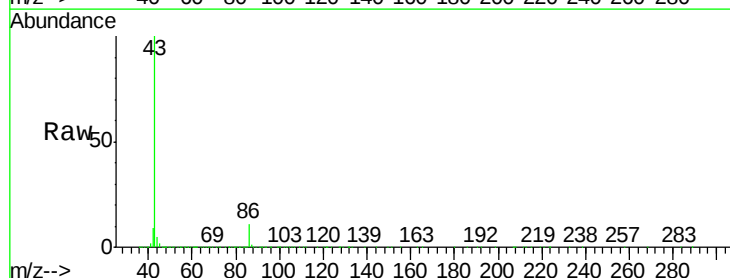
Acq: 22 Feb 2019 08:31

Tgt Ion: 43 Resp: 1384713

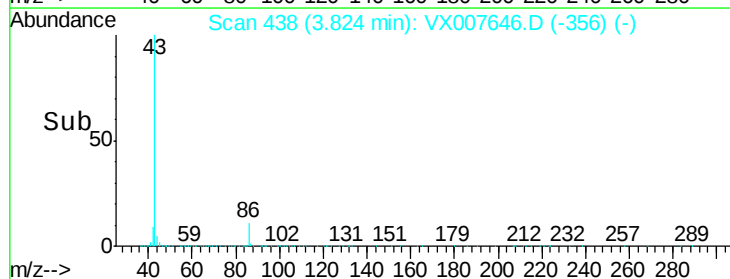
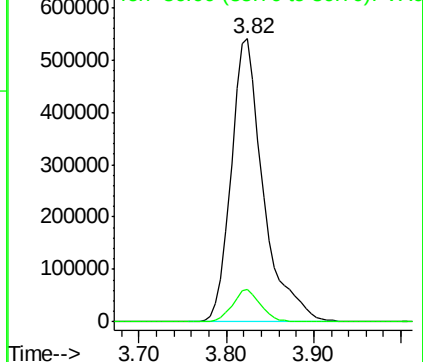
Ion Ratio Lower Upper

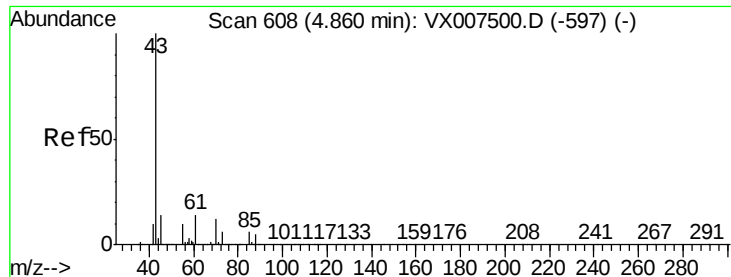
43 100

86 10.0 8.2 12.2



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

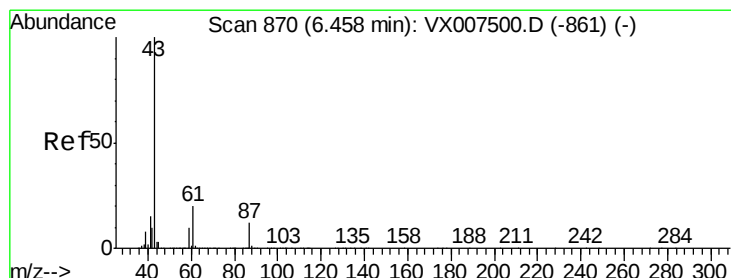
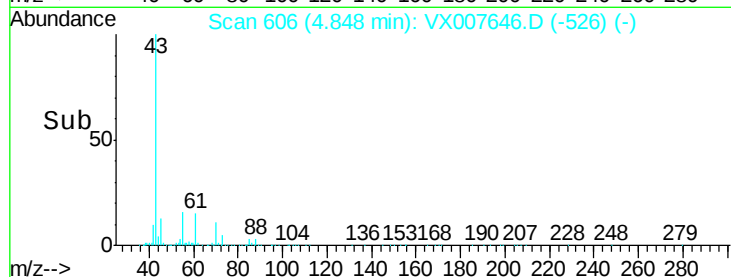
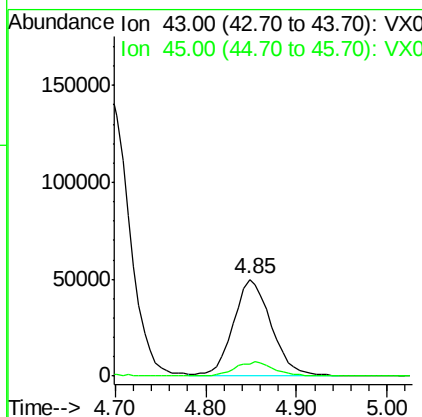
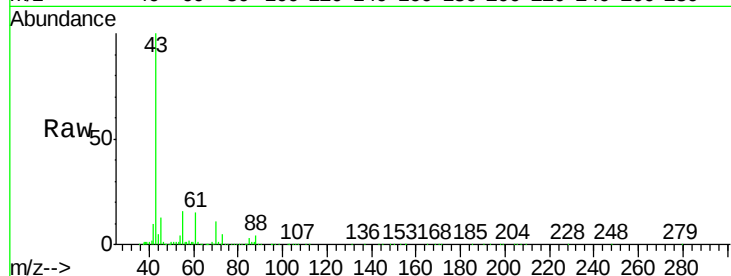




#43
Ethyl Acetate
Concen: 20.021 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

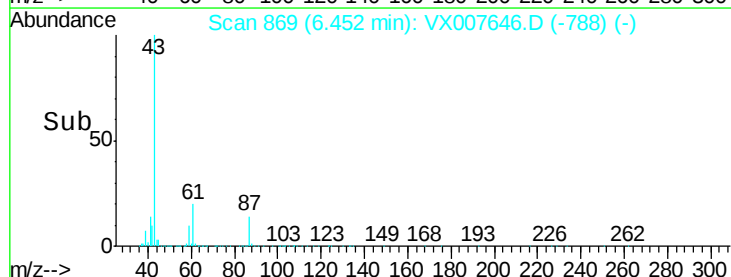
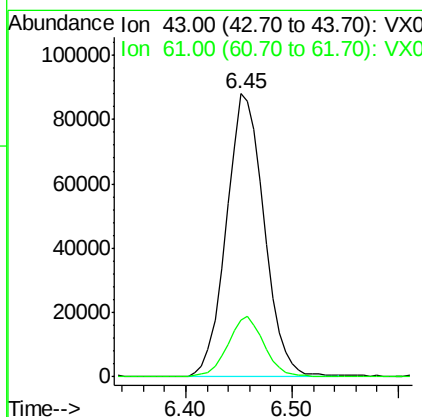
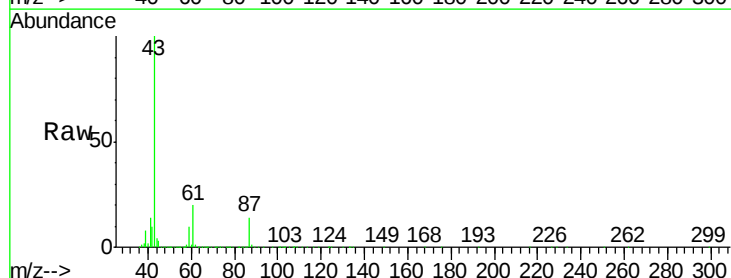
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

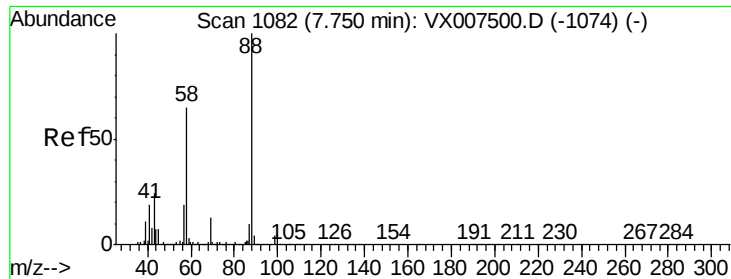
Tot Ion: 43 Resp: 143932
Ion Ratio Lower Upper
43 100
45 14.1 6.9 10.3#



#44
Isopropyl Acetate
Concen: 19.578 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 43 Resp: 217304
Ion Ratio Lower Upper
43 100
61 20.5 16.1 24.1





#45

1,4-Dioxane

Concen: 411.073 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

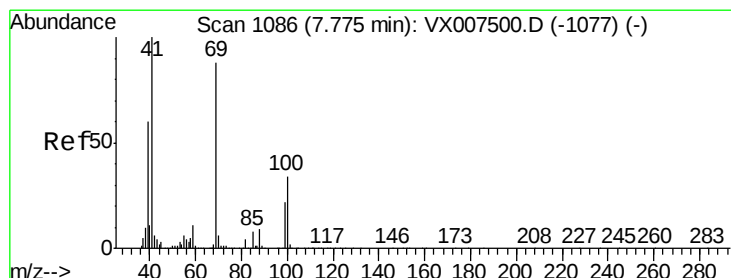
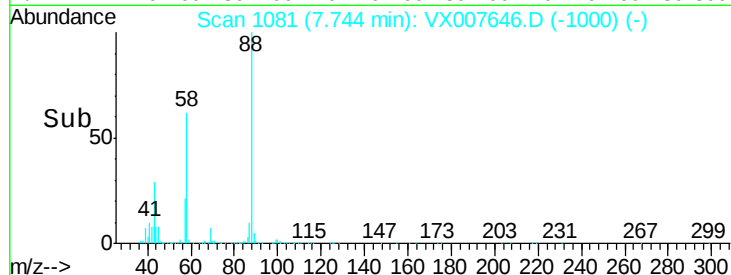
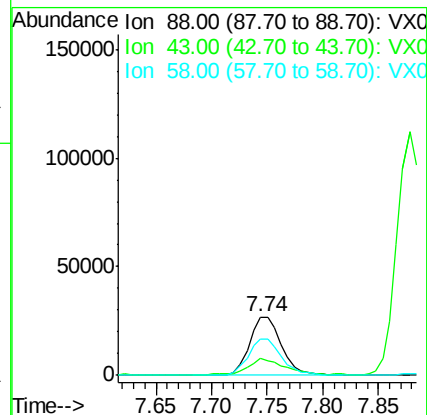
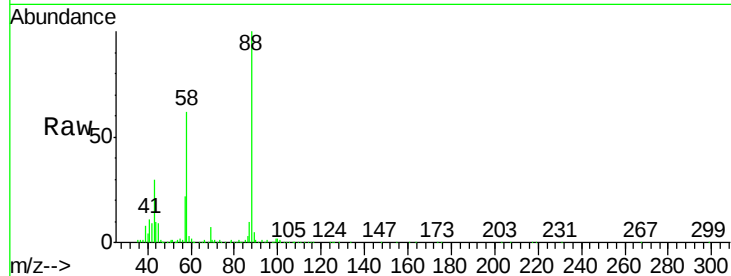
Tot Ion: 88 Resp: 53848

Ion Ratio Lower Upper

88 100

43 28.7 23.6 35.4

58 61.8 51.6 77.4



#46

Methyl methacrylate

Concen: 20.486 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

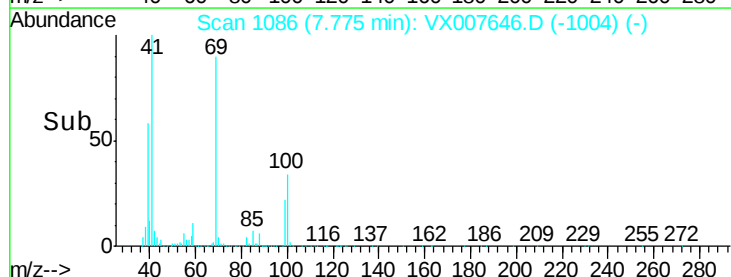
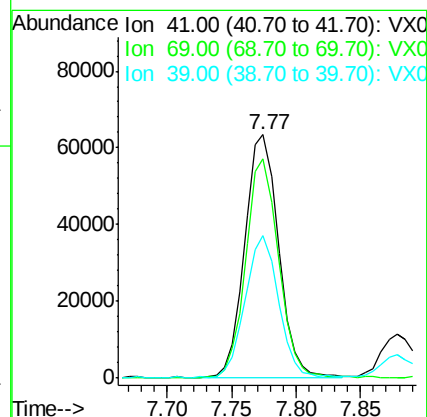
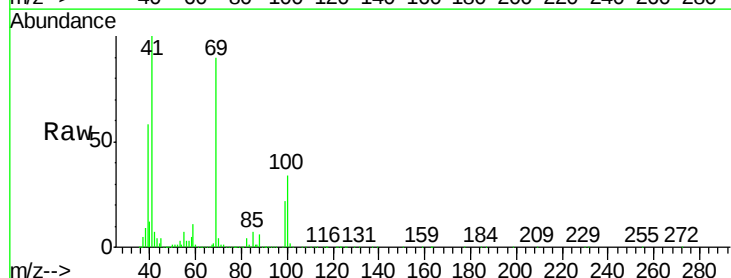
Tgt Ion: 41 Resp: 115145

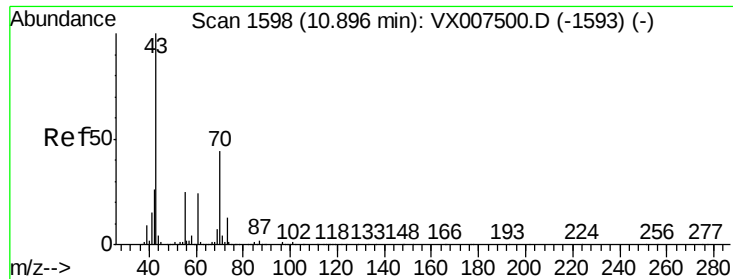
Ion Ratio Lower Upper

41 100

69 90.1 44.2 132.6

39 58.2 29.9 89.8





#47

n-amvl Acetate

Concen: 20.935 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

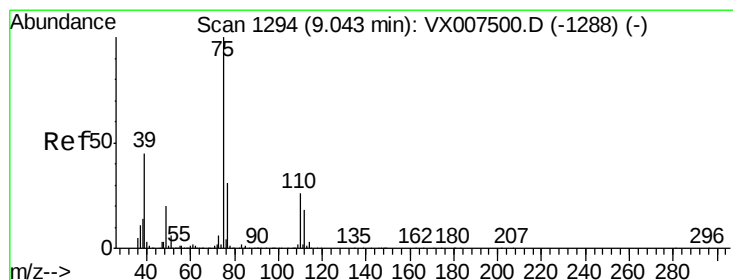
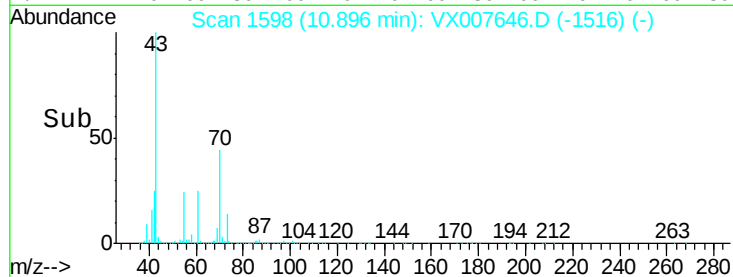
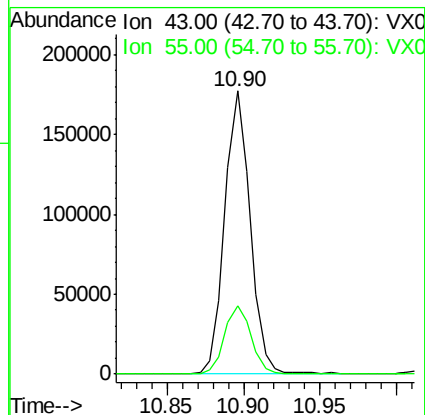
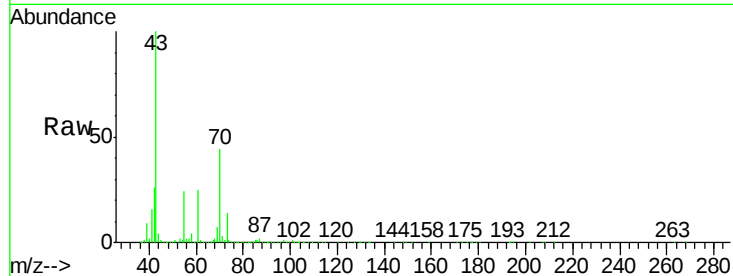
VSTDCCC020

Tot Ion: 43 Resp: 204807

Ion Ratio Lower Upper

43 100

55 25.1 20.8 31.2



#48

t-1,3-Dichloropropene

Concen: 21.710 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007646.D

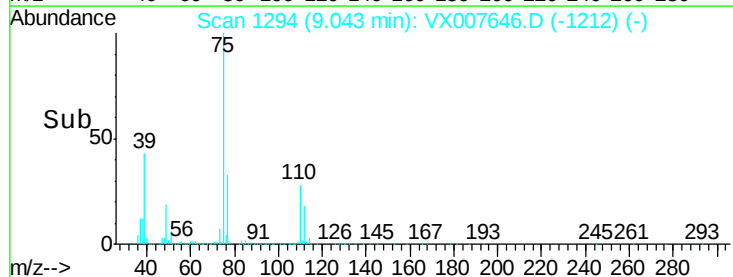
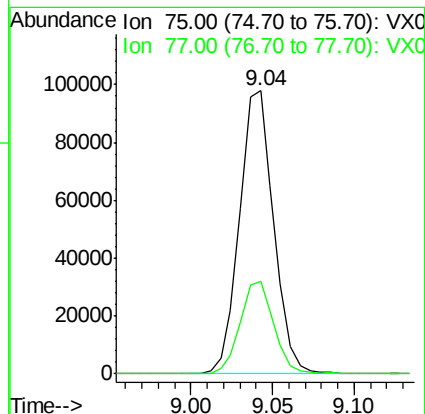
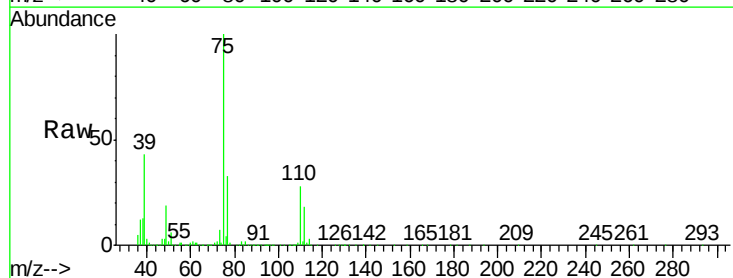
Acq: 22 Feb 2019 08:31

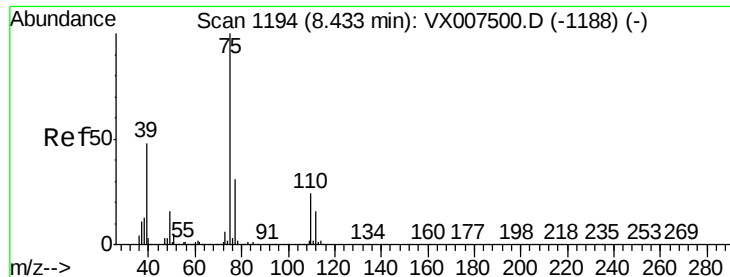
Tgt Ion: 75 Resp: 142875

Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7



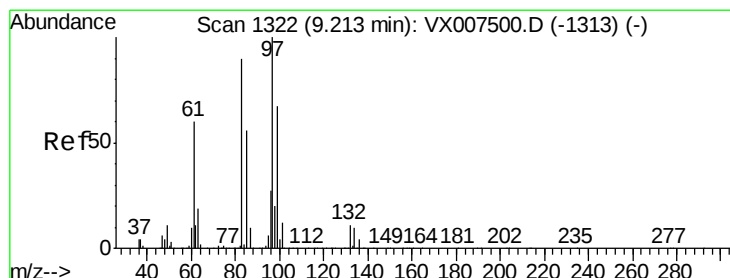
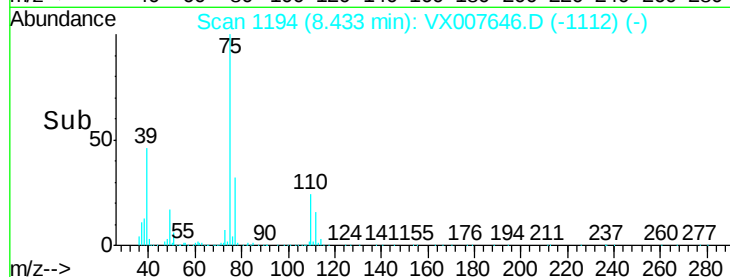
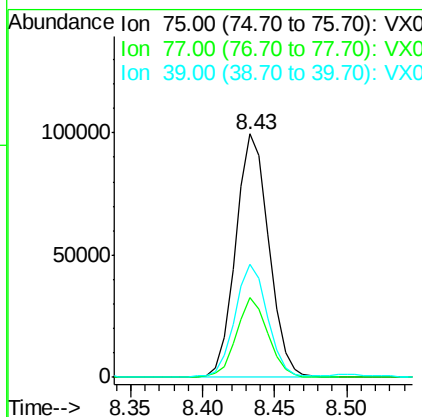
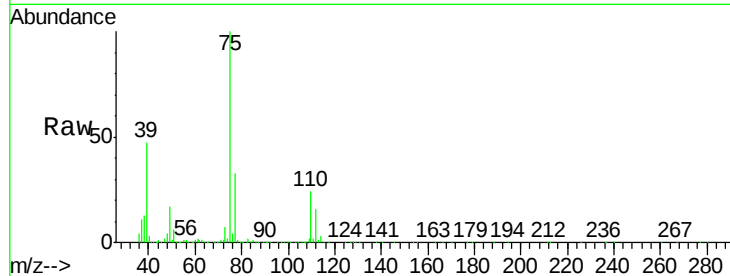


#49

cis-1,3-Dichloropropene
 Concen: 21.807 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

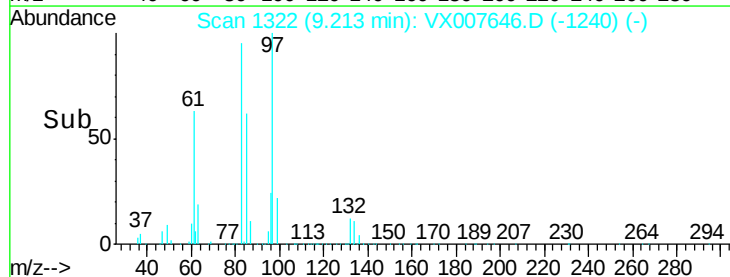
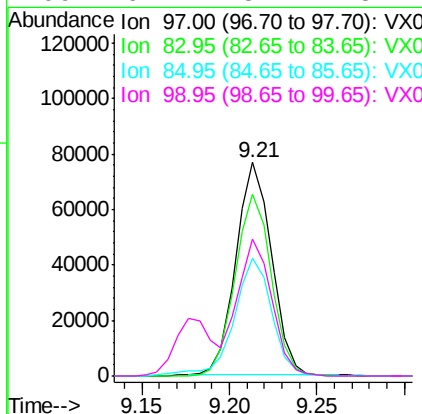
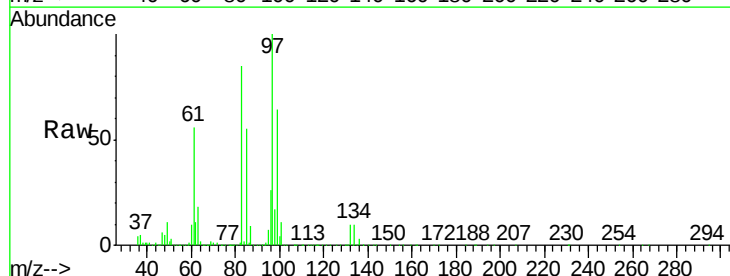
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	46.4	38.5	57.7

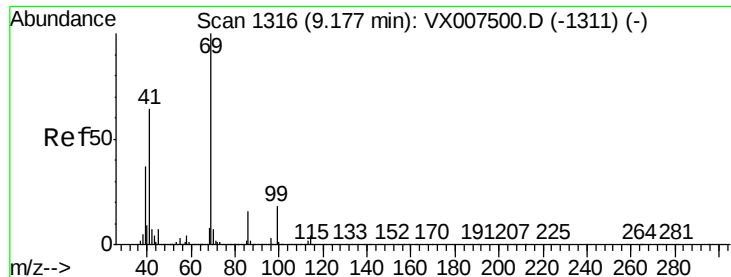


#50

1,1,2-Trichloroethane
 Concen: 20.880 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	72.0	108.0
85	55.3	45.0	67.6
99	64.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.237 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

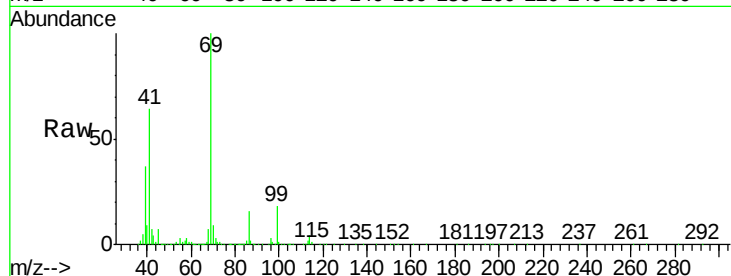
Tot Ion: 69 Resp: 153675

Ion Ratio Lower Upper

69 100

41 63.4 32.1 96.5

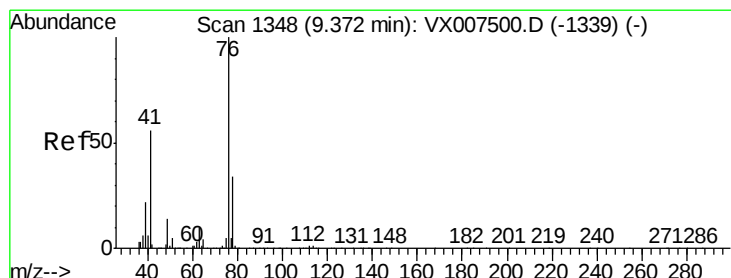
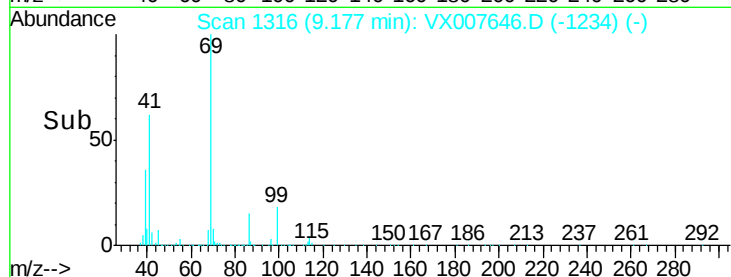
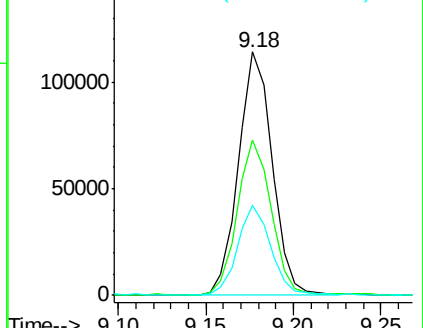
39 36.9 18.8 56.3



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: 21.069 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007646.D

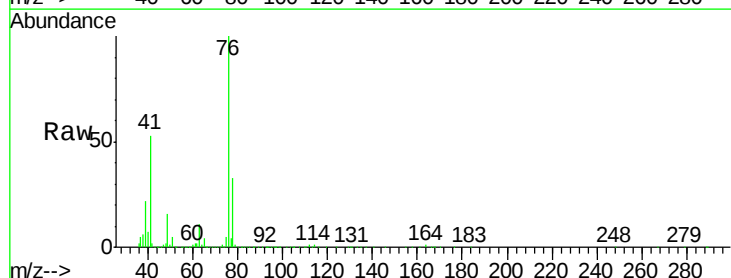
Acq: 22 Feb 2019 08:31

Tgt Ion: 76 Resp: 178010

Ion Ratio Lower Upper

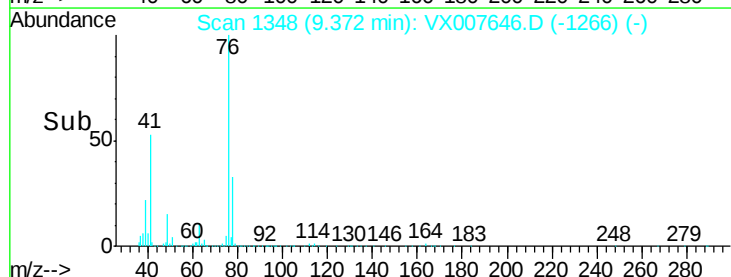
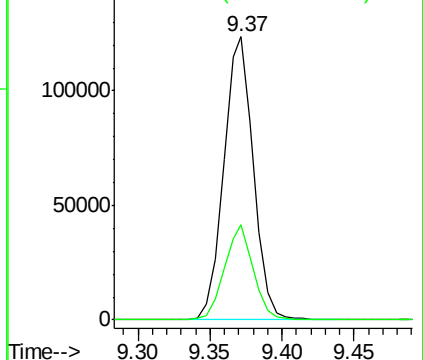
76 100

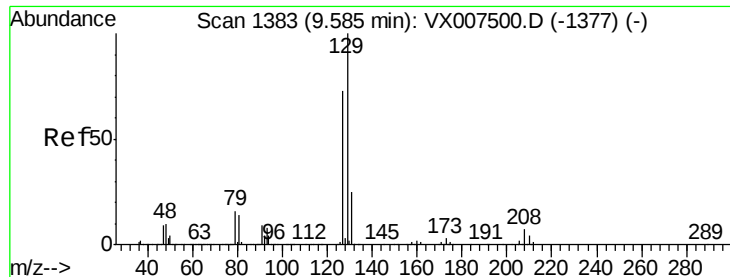
78 32.4 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.984 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

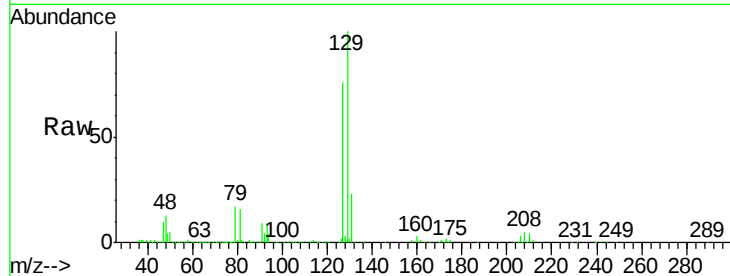
VSTDCCC020

Tot Ion:129 Resp: 114318

Ion Ratio Lower Upper

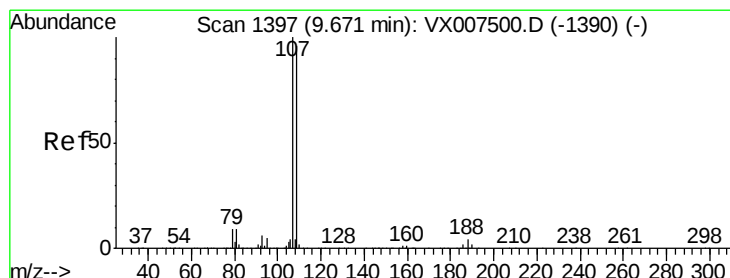
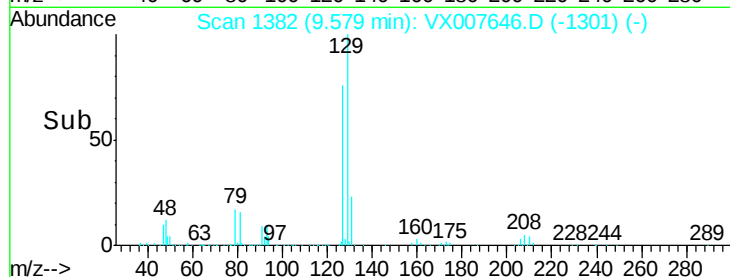
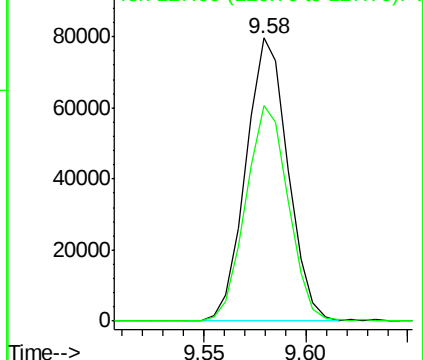
129 100

127 76.8 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.965 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007646.D

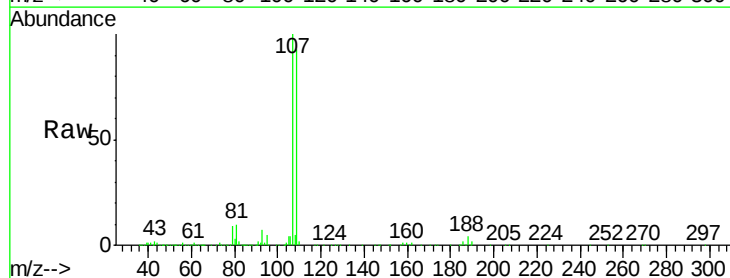
Acq: 22 Feb 2019 08:31

Tgt Ion:107 Resp: 120244

Ion Ratio Lower Upper

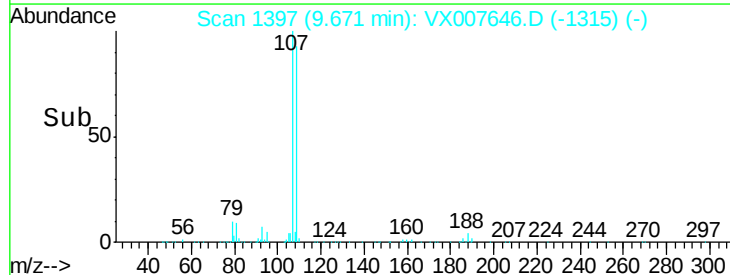
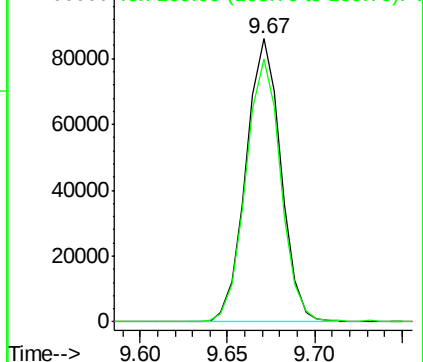
107 100

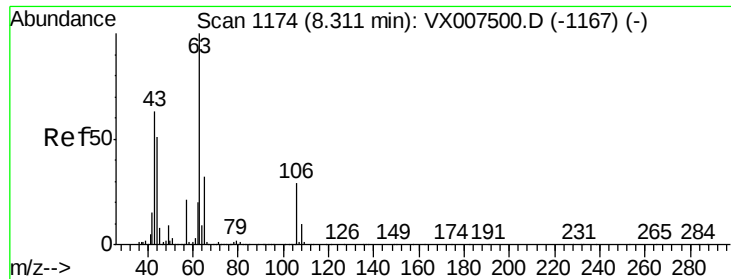
109 93.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 110.767 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

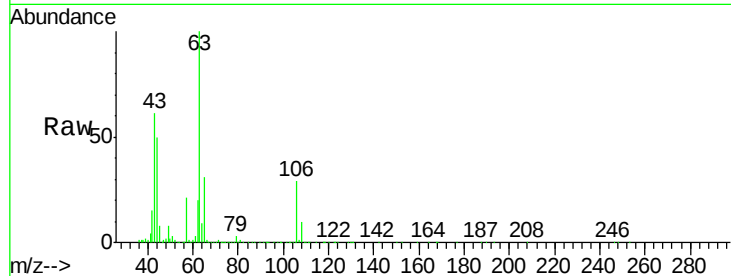
Tot Ion: 63 Resp: 427637

Ion Ratio Lower Upper

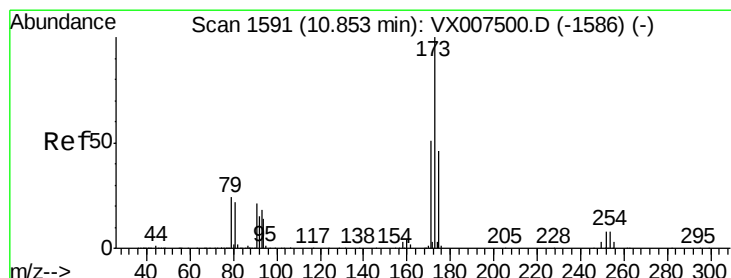
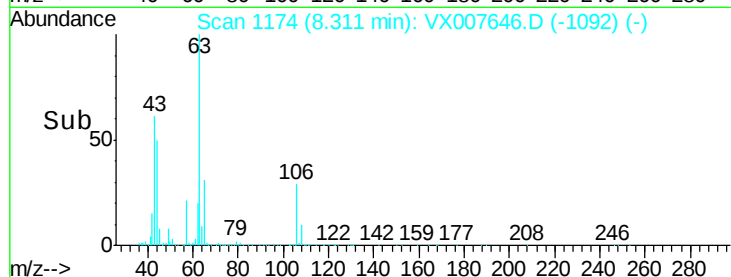
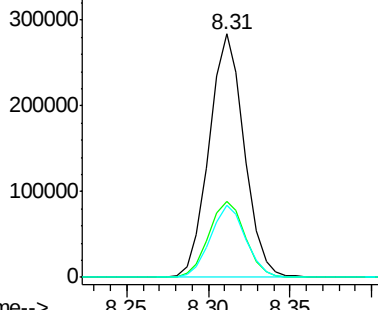
63 100

65 32.3 25.7 38.5

106 29.8 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 106.00 (105.70 to 106.70): V



#56

Bromoform

Concen: 20.899 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

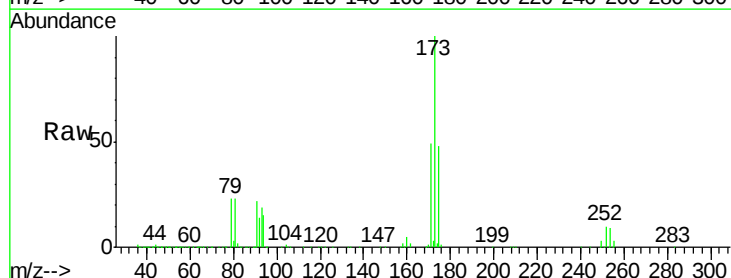
Tgt Ion:173 Resp: 85879

Ion Ratio Lower Upper

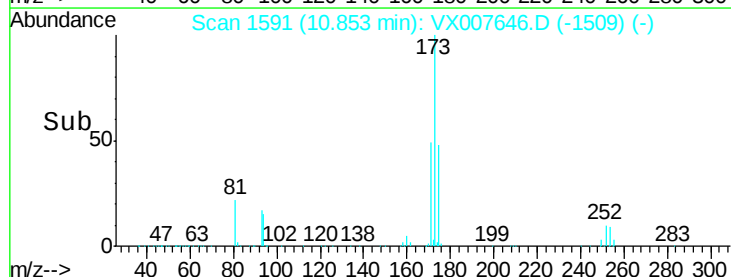
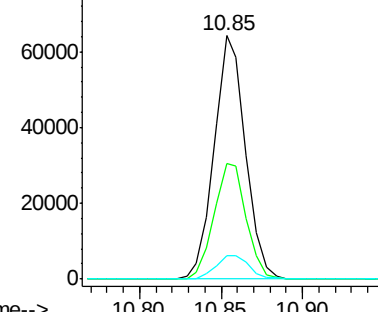
173 100

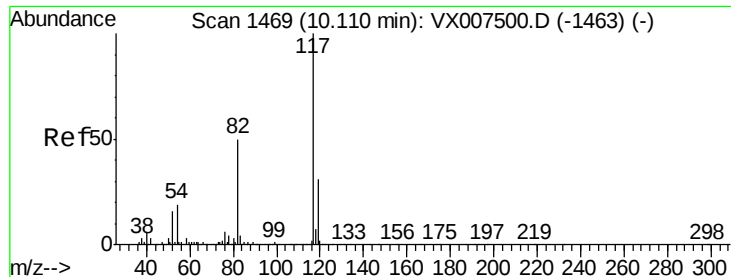
175 48.9 38.5 57.7

254 10.1 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

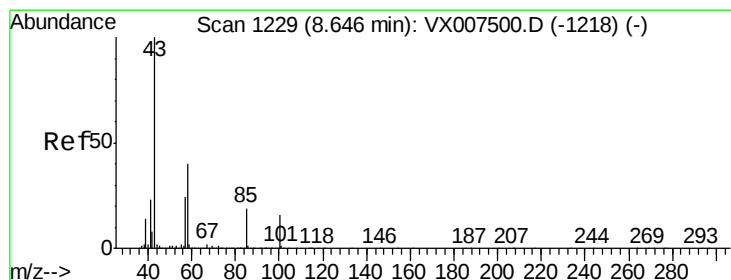
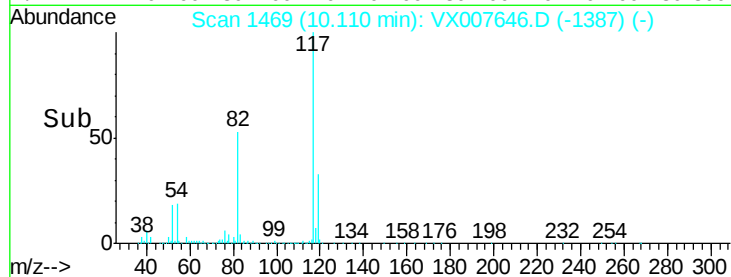
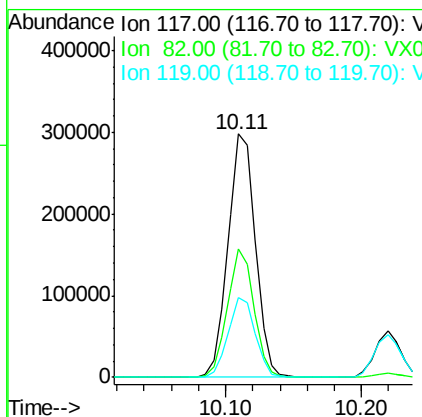
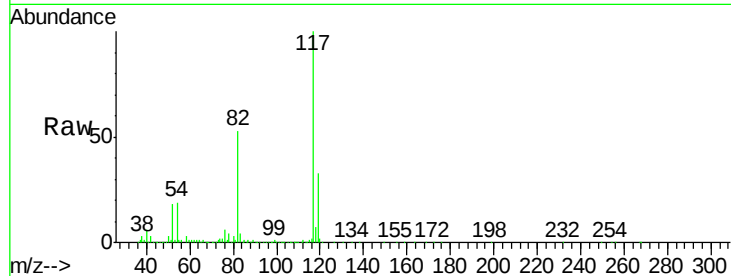




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

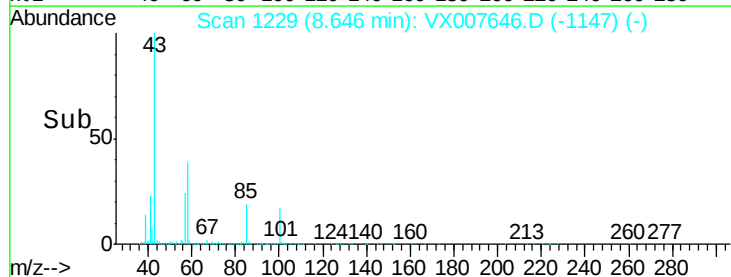
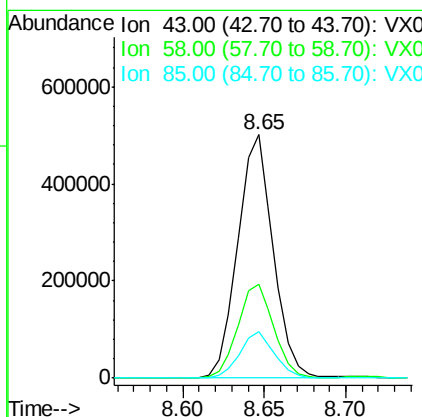
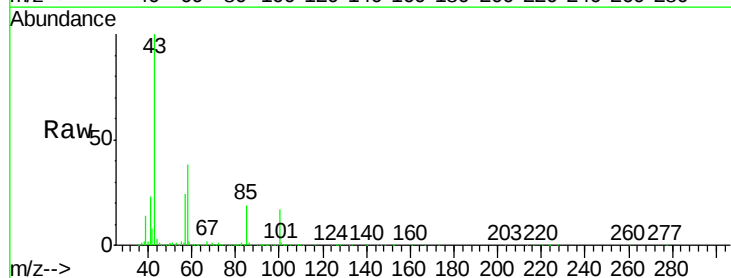
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

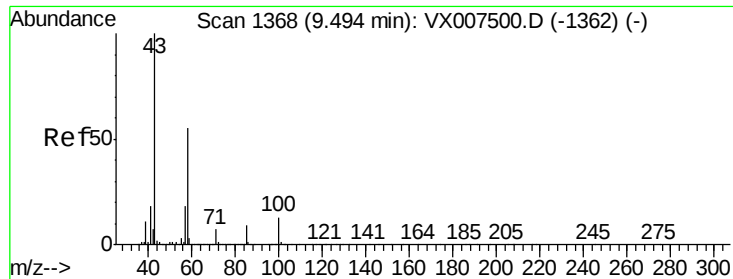
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.4	60.6
119	32.2	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 100.660 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.0
85	18.7	15.0	22.6

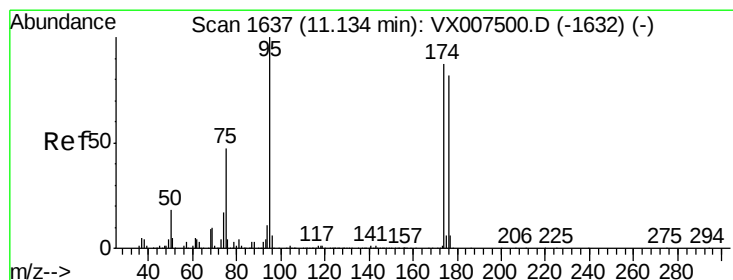
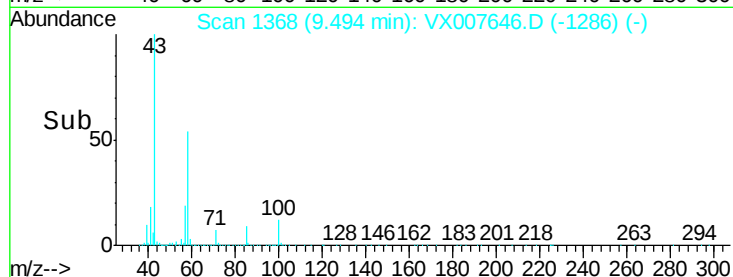
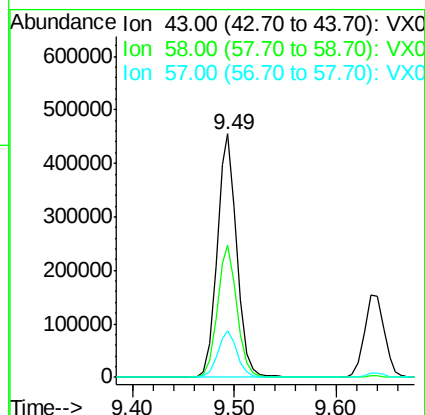
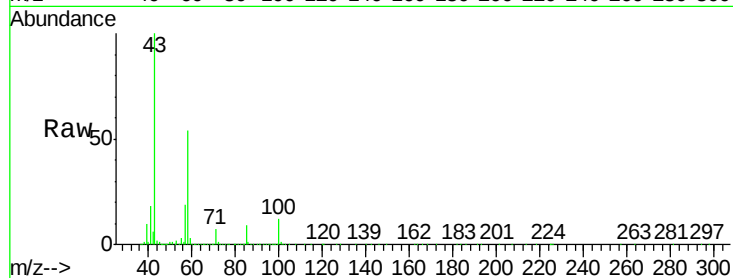




#59
2-Hexanone
Concen: 107.559 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

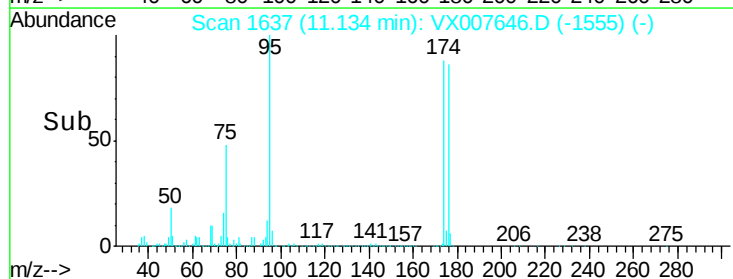
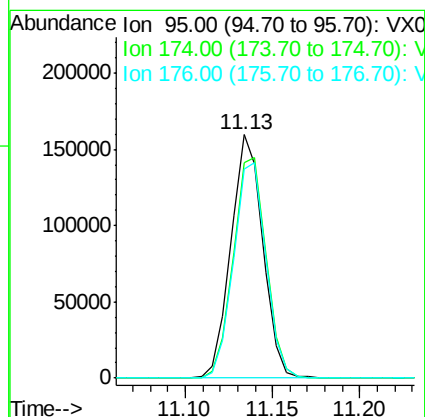
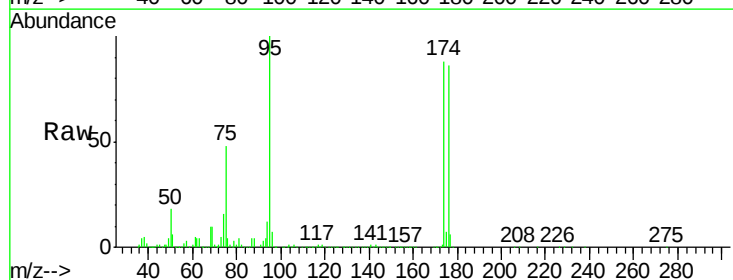
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

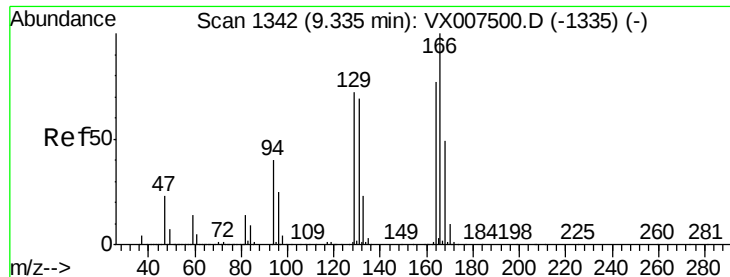
Tot Ion: 43 Resp: 613516
Ion Ratio Lower Upper
43 100
58 53.7 43.9 65.9
57 18.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 31.455 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 95 Resp: 201555
Ion Ratio Lower Upper
95 100
174 93.7 74.9 112.3
176 90.3 70.7 106.1





#61

Tetrachloroethene

Concen: 21.890 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 129734

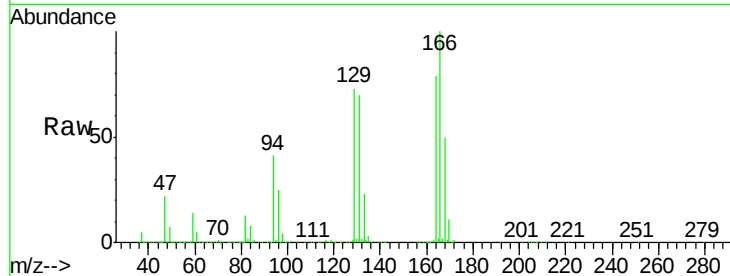
Ion Ratio Lower Upper

164 100

166 125.8 103.9 155.9

129 92.0 74.7 112.1

131 88.5 71.7 107.5

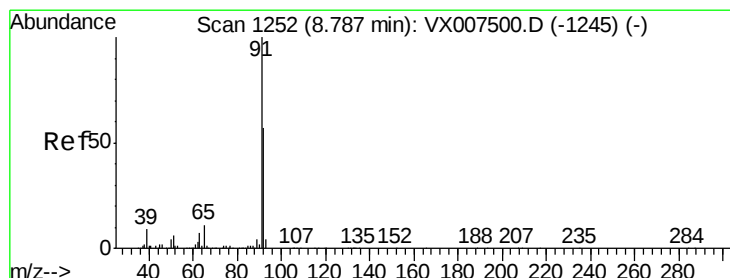
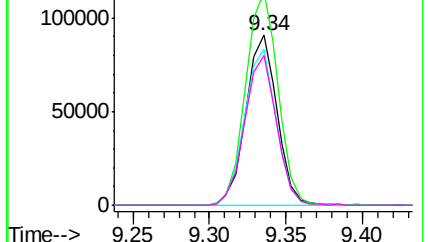
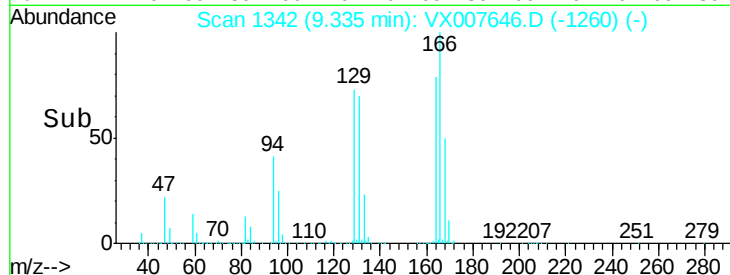


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.597 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007646.D

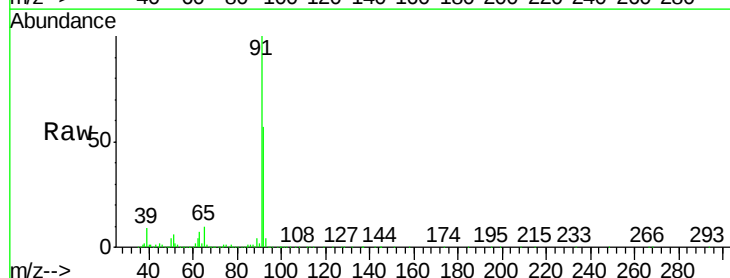
Acq: 22 Feb 2019 08:31

Tgt Ion: 91 Resp: 468318

Ion Ratio Lower Upper

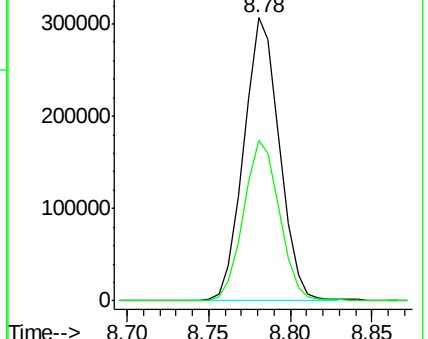
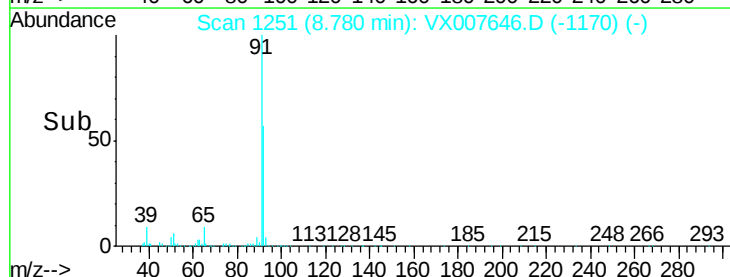
91 100

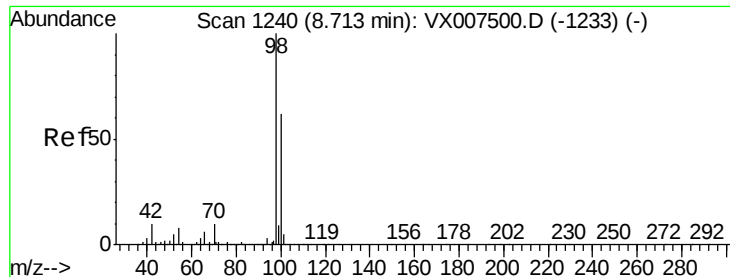
92 56.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.961 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

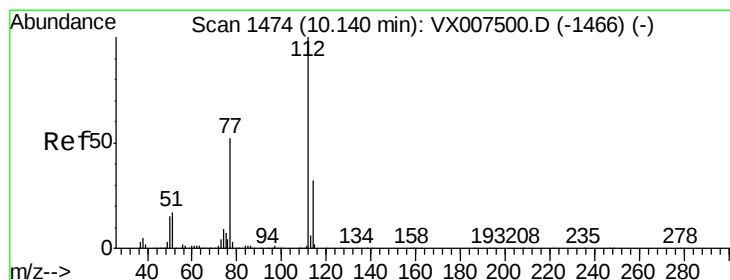
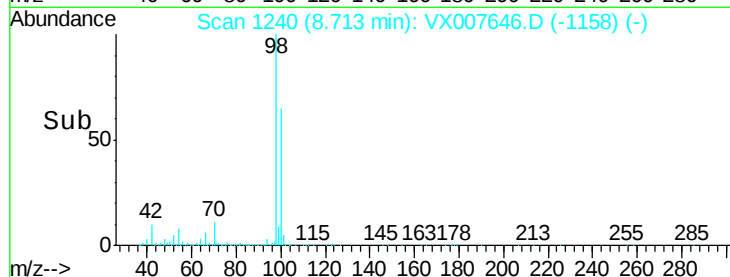
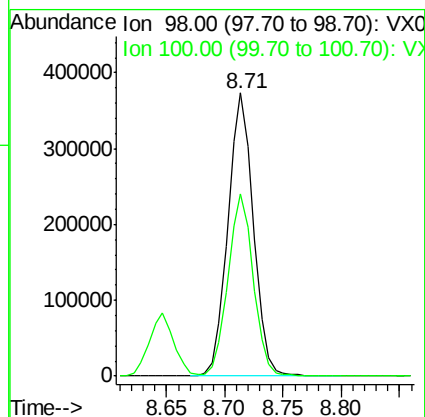
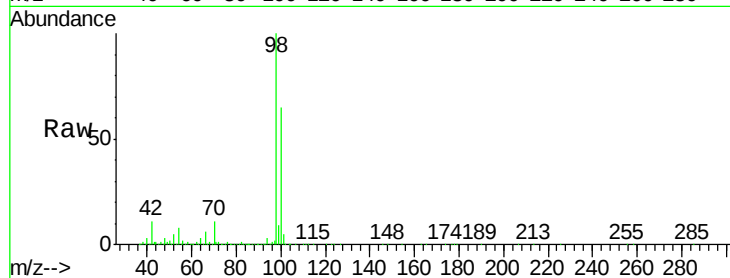
VSTDCCC020

Tot Ion: 98 Resp: 565361

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#64

Chlorobenzene

Concen: 21.009 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007646.D

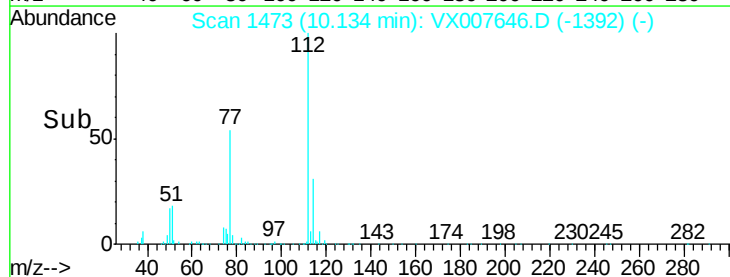
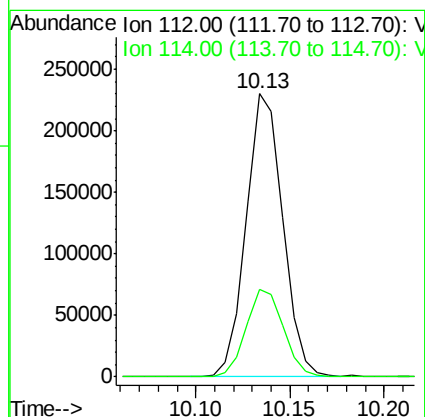
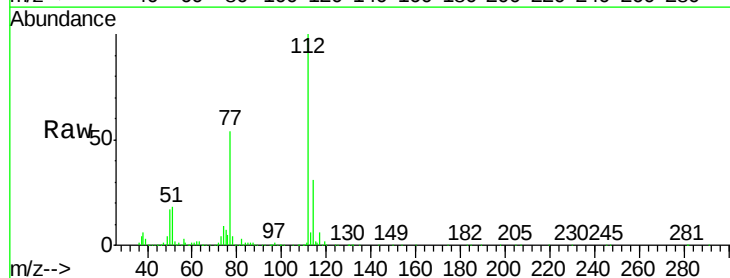
Acq: 22 Feb 2019 08:31

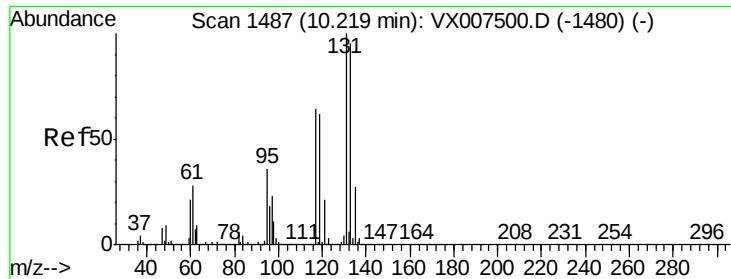
Tgt Ion: 112 Resp: 310427

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.723 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

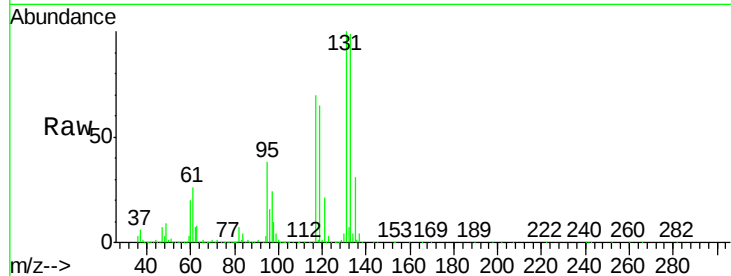
Tot Ion:131 Resp: 110909

Ion Ratio Lower Upper

131 100

133 95.9 0.0 191.6

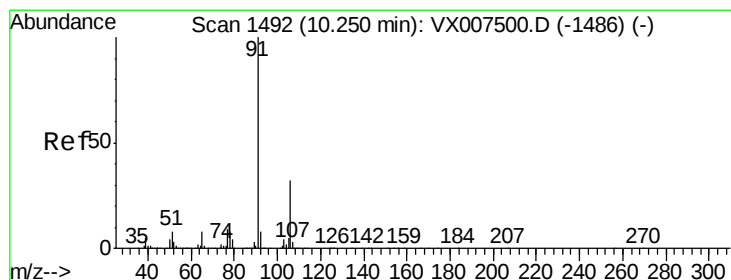
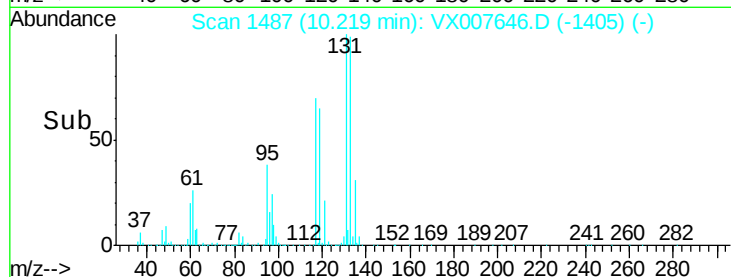
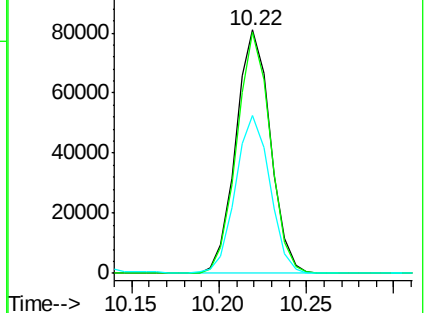
119 65.1 0.0 127.4



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: 21.108 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007646.D

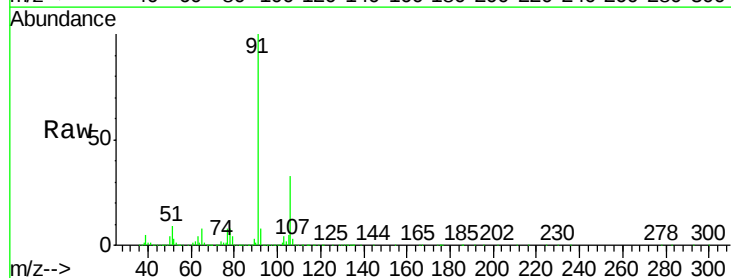
Acq: 22 Feb 2019 08:31

Tgt Ion: 91 Resp: 509310

Ion Ratio Lower Upper

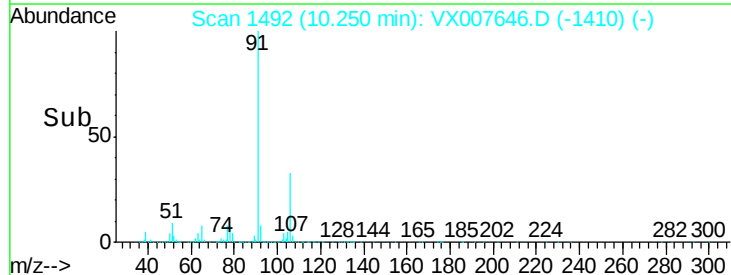
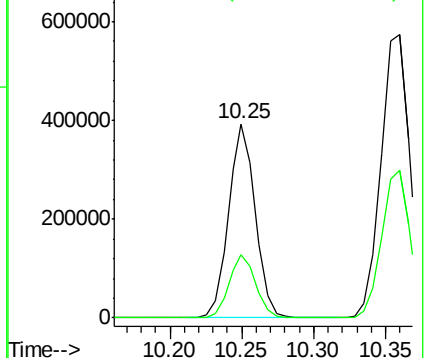
91 100

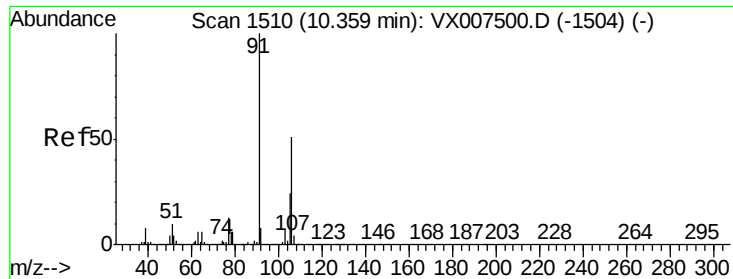
106 32.6 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

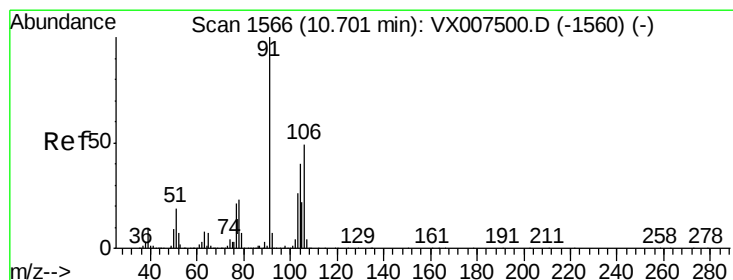
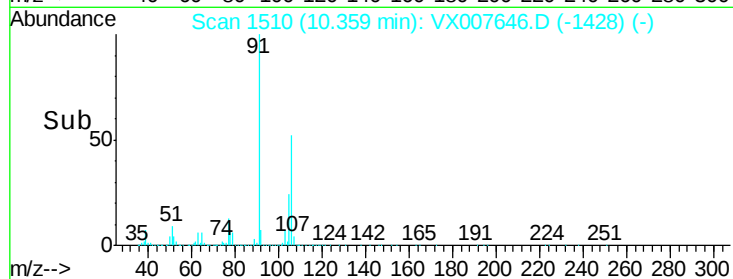
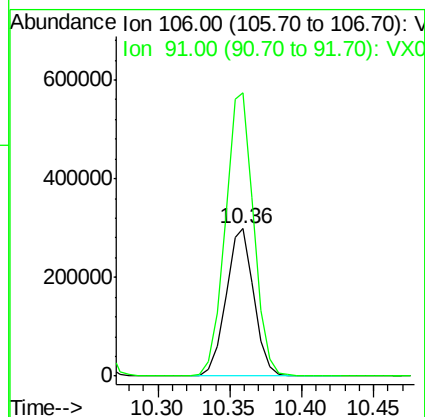
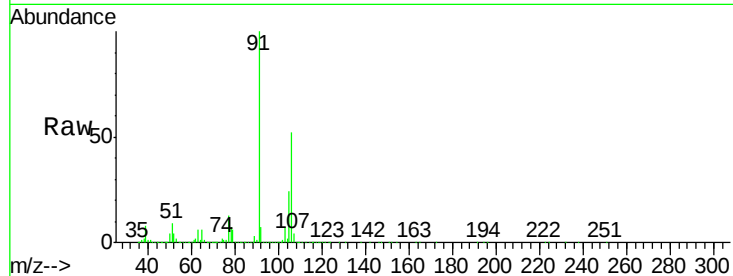




#67
m/p-Xylenes
Concen: 42.664 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

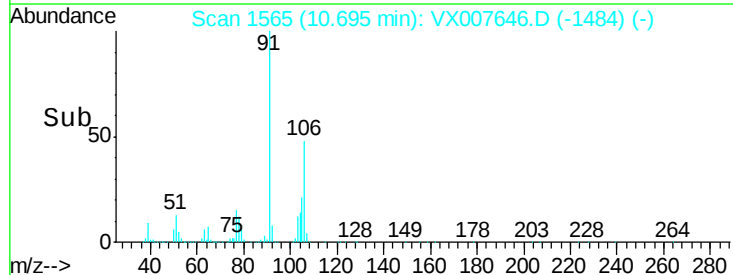
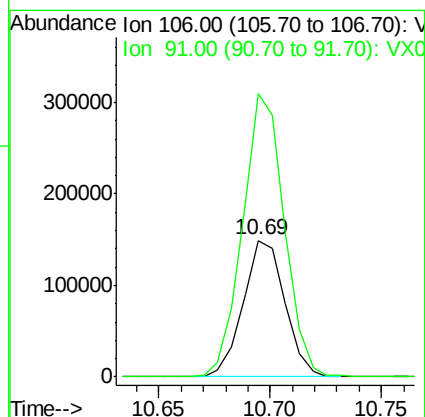
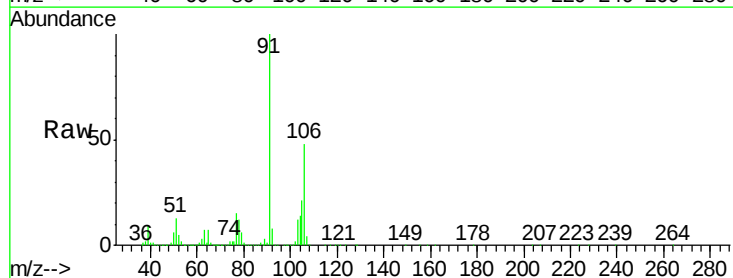
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

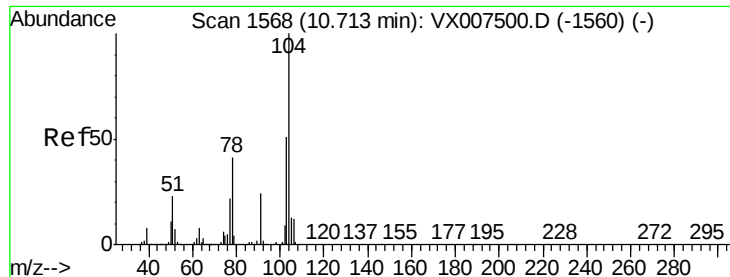
Tot Ion:106 Resp: 403759
Ion Ratio Lower Upper
106 100
91 196.5 157.0 235.4



#68
o-Xylene
Concen: 21.076 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion:106 Resp: 194532
Ion Ratio Lower Upper
106 100
91 207.0 104.4 313.2





#69

Stvrene

Concen: 21.383 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

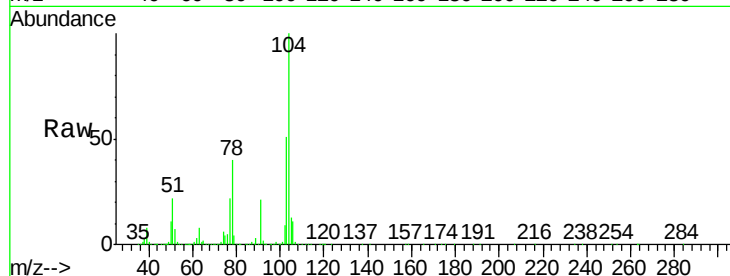
Tot Ion:104 Resp: 318502

Ion Ratio Lower Upper

104 100

78 46.6 38.2 57.2

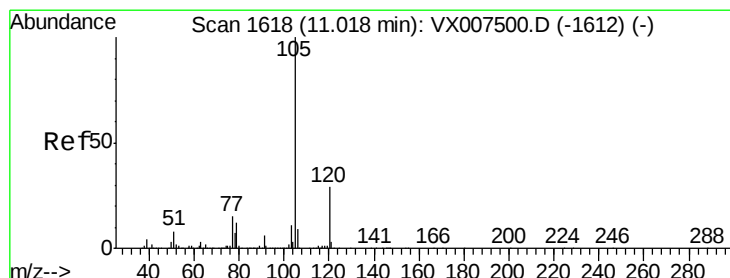
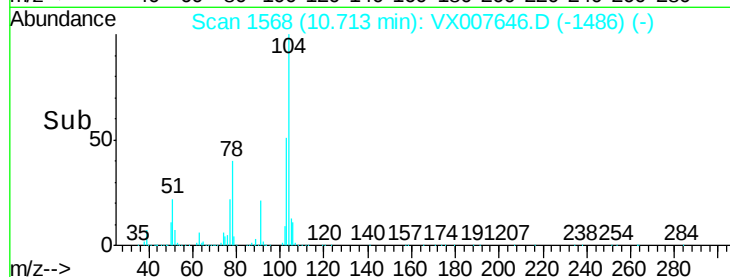
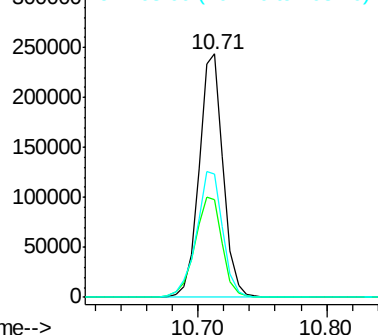
103 56.5 45.0 67.4



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: 21.625 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007646.D

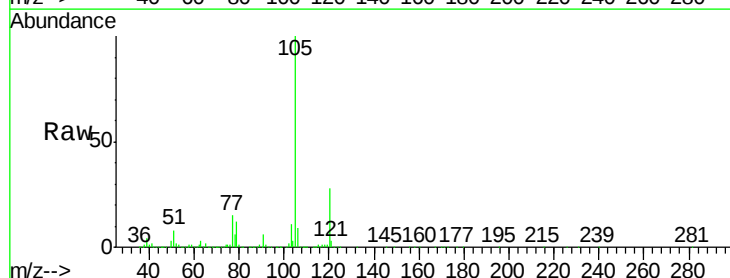
Acq: 22 Feb 2019 08:31

Tgt Ion:105 Resp: 526595

Ion Ratio Lower Upper

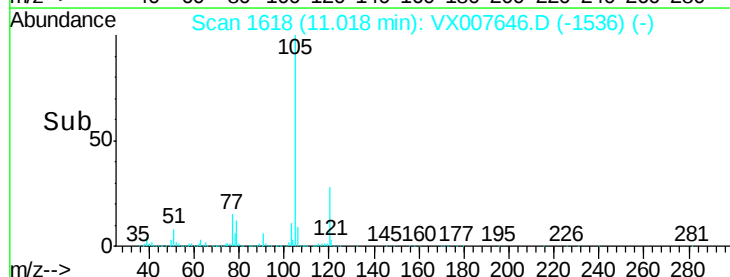
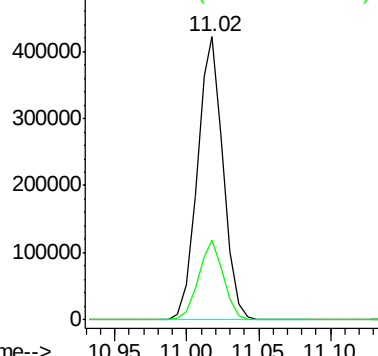
105 100

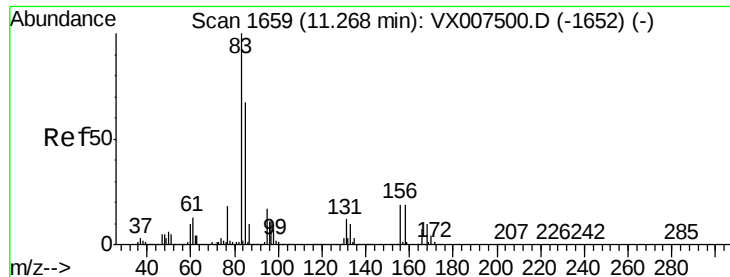
120 27.2 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

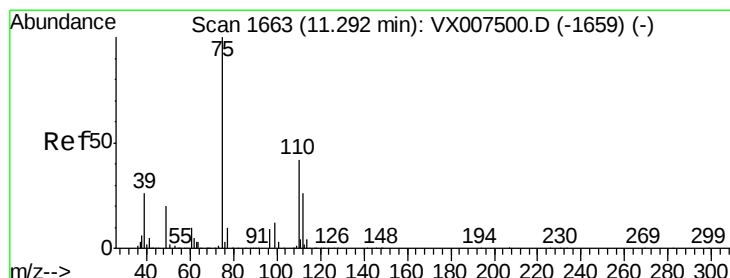
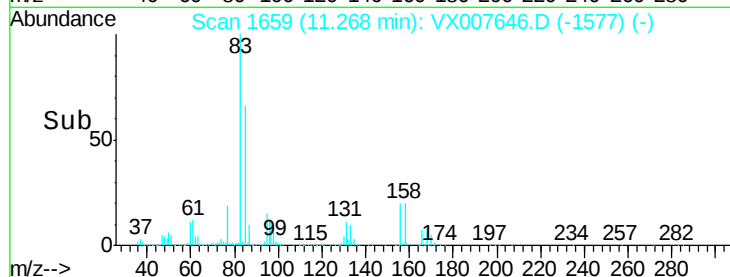
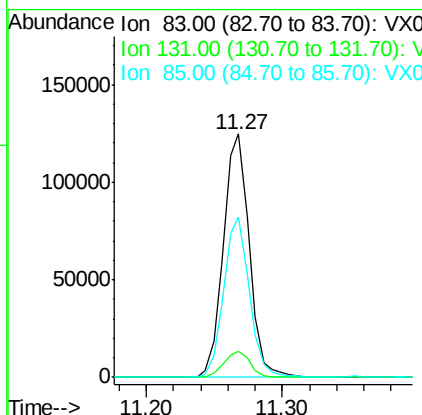
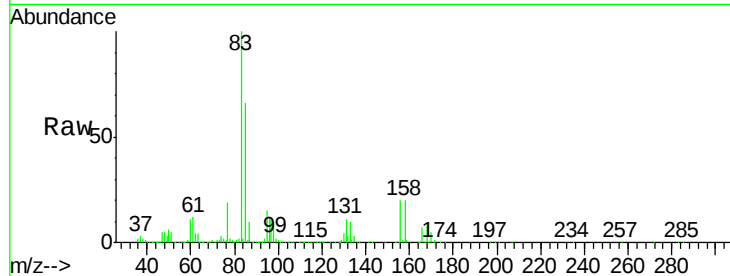




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.410 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

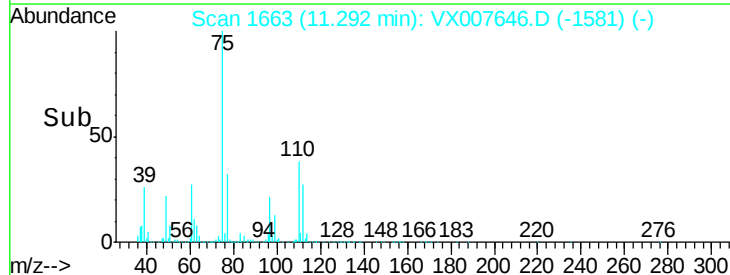
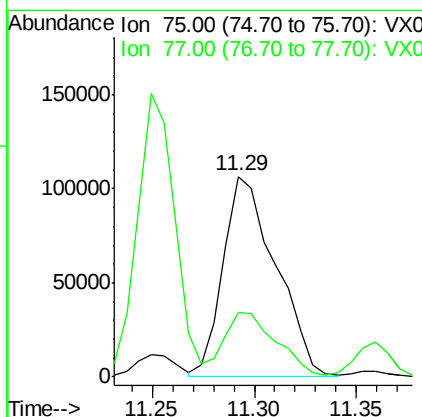
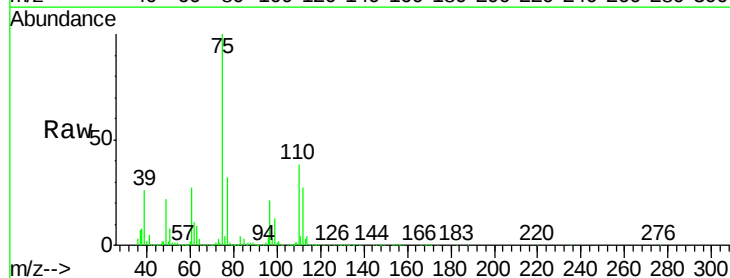
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

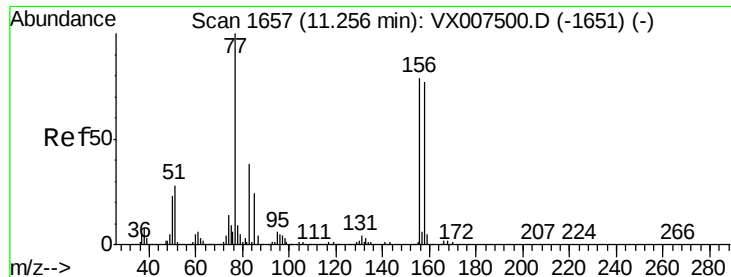
Tot Ion	83	Resp	164291
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.6	32.8	98.4



#72
 1,2,3-Trichloropropane
 Concen: 26.041 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	75	Resp	191662
Ion Ratio	Lower	Upper	
75	100		
77	32.2	0.0	76.4





#73

Bromobenzene

Concen: 21.396 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

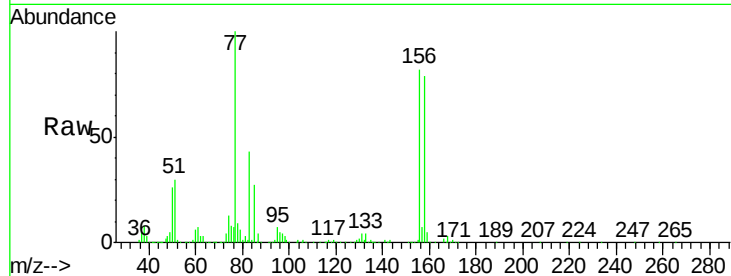
Tot Ion:156 Resp: 142244

Ion Ratio Lower Upper

156 100

77 134.7 0.0 271.4

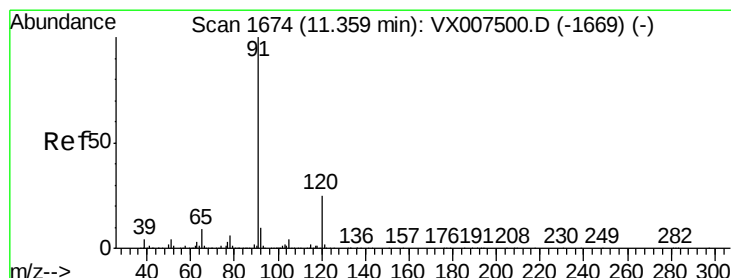
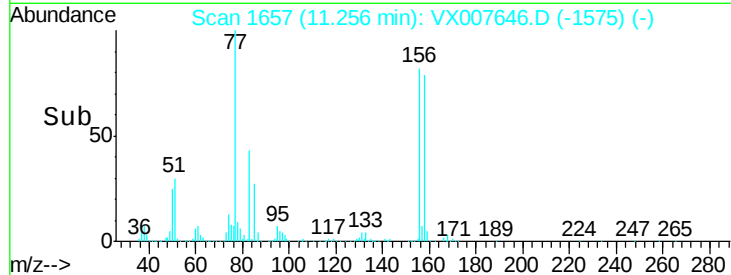
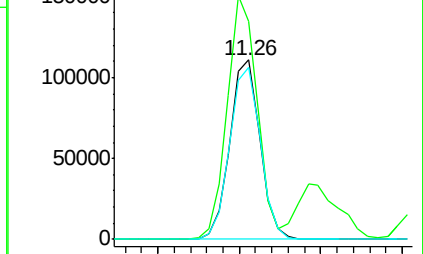
158 97.5 0.0 194.0



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: 22.210 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007646.D

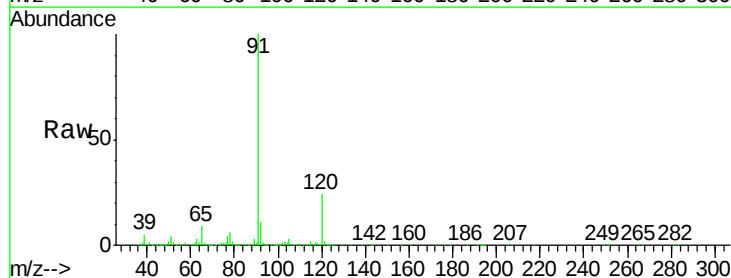
Acq: 22 Feb 2019 08:31

Tgt Ion: 91 Resp: 600499

Ion Ratio Lower Upper

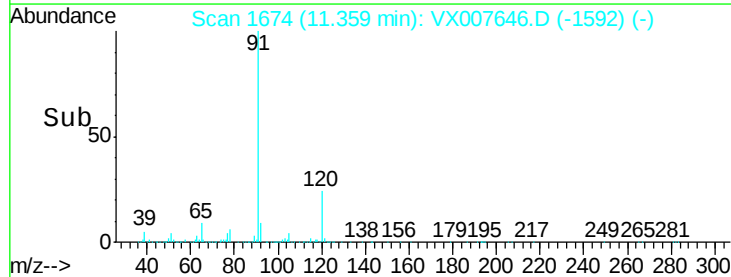
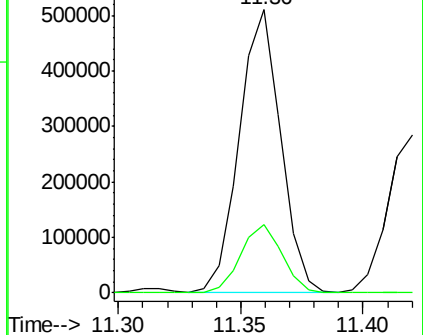
91 100

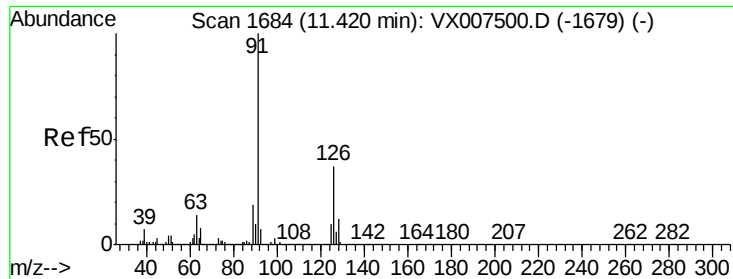
120 24.0 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.632 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

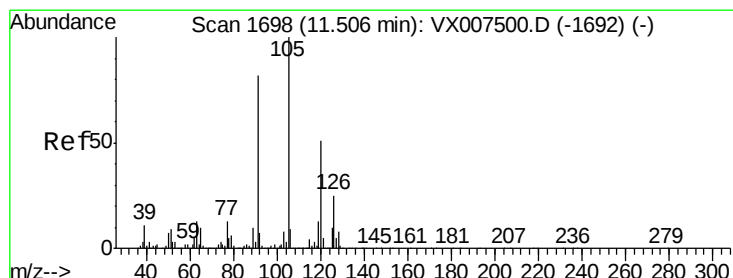
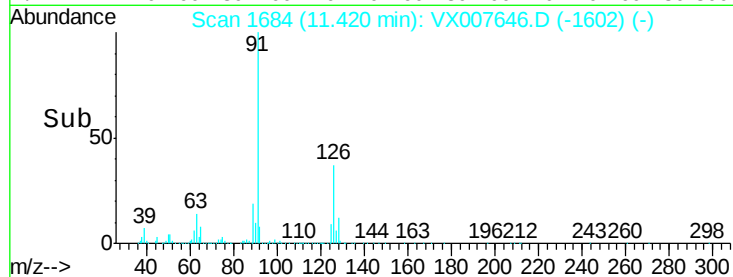
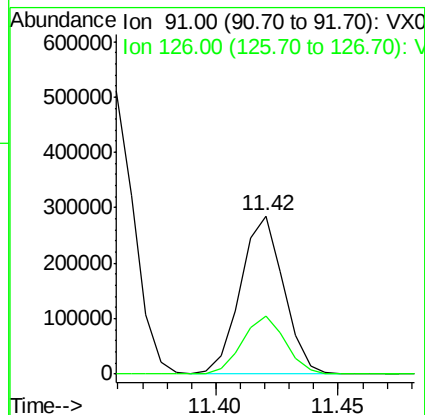
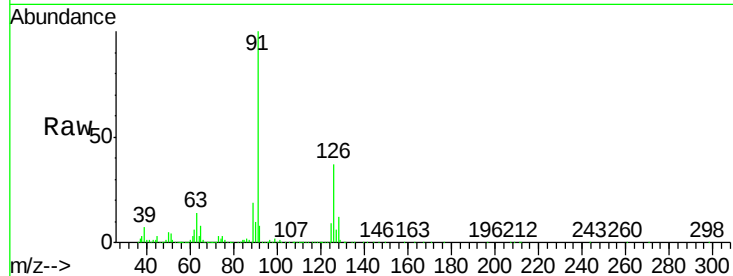
VSTDCCC020

Tot Ion: 91 Resp: 349714

Ion Ratio Lower Upper

91 100

126 37.3 0.0 75.2



#76

1,3,5-Trimethylbenzene

Concen: 22.042 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007646.D

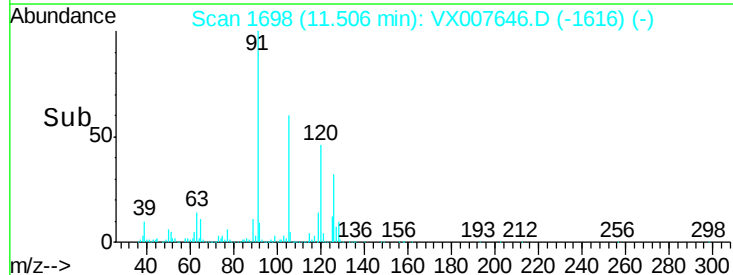
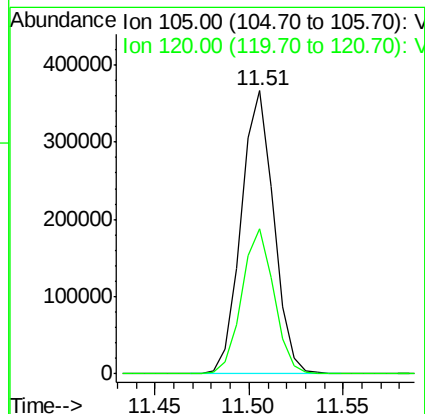
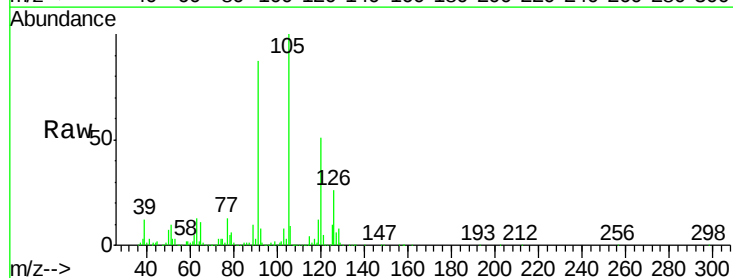
Acq: 22 Feb 2019 08:31

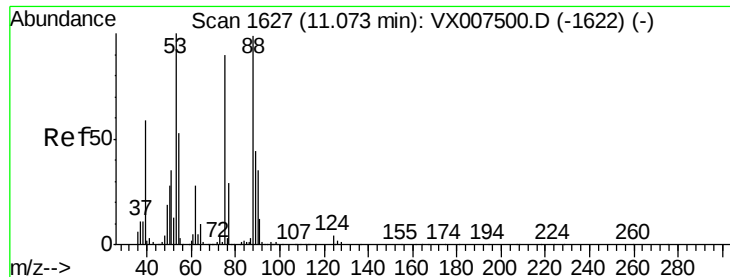
Tgt Ion: 105 Resp: 438130

Ion Ratio Lower Upper

105 100

120 50.3 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 21.509 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

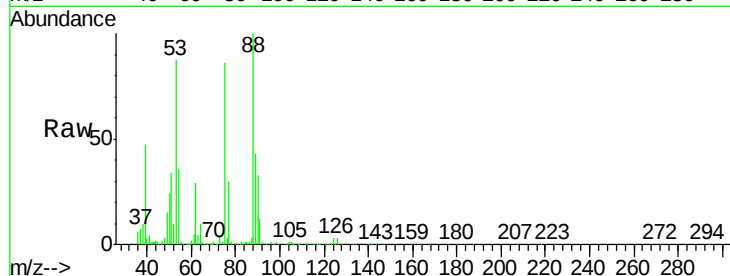
Tot Ion: 75 Resp: 45695

Ion Ratio Lower Upper

75 100

53 101.4 55.5 166.7

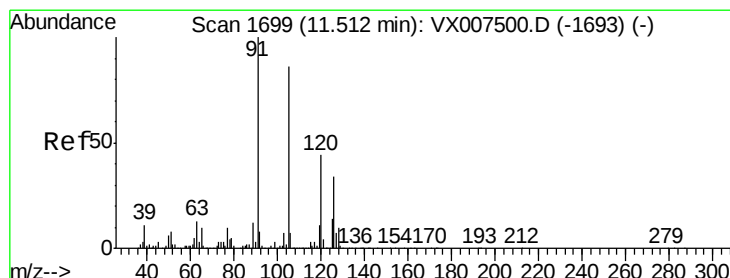
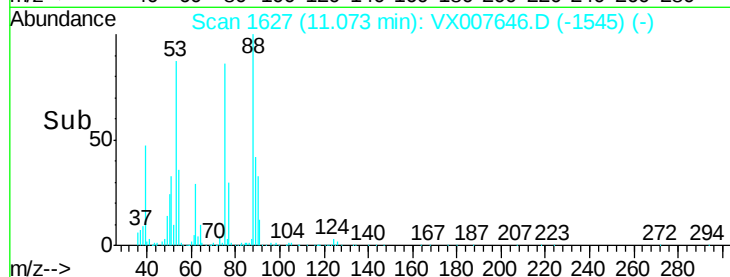
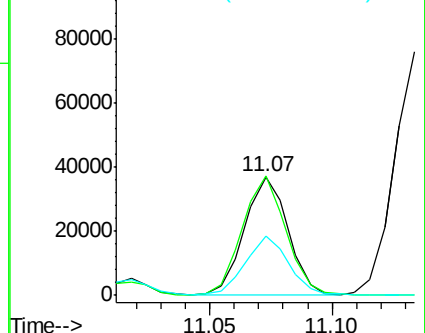
89 49.6 24.4 73.2



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: 22.117 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007646.D

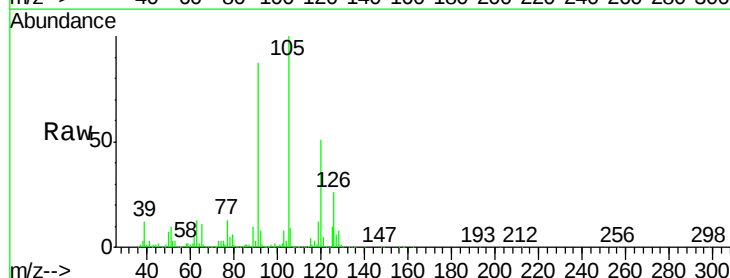
Acq: 22 Feb 2019 08:31

Tgt Ion: 91 Resp: 408125

Ion Ratio Lower Upper

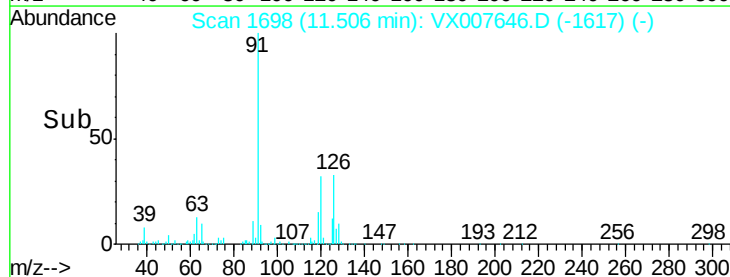
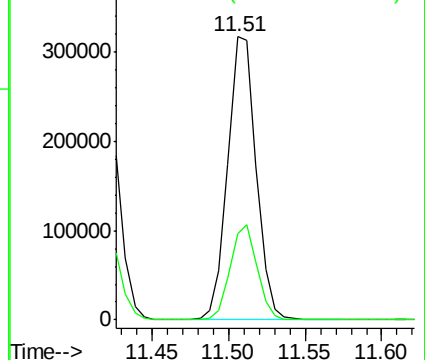
91 100

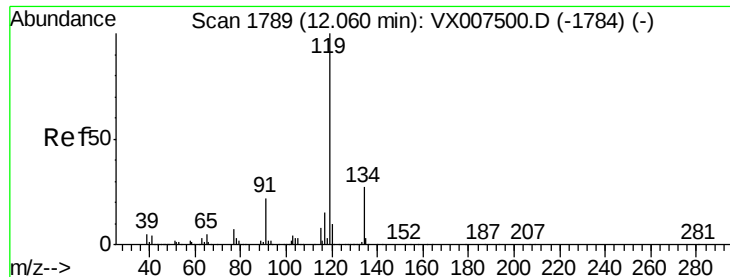
126 32.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

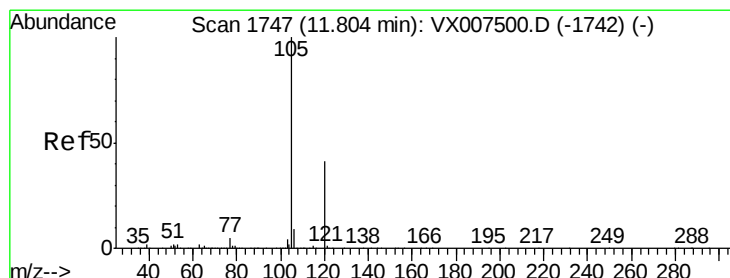
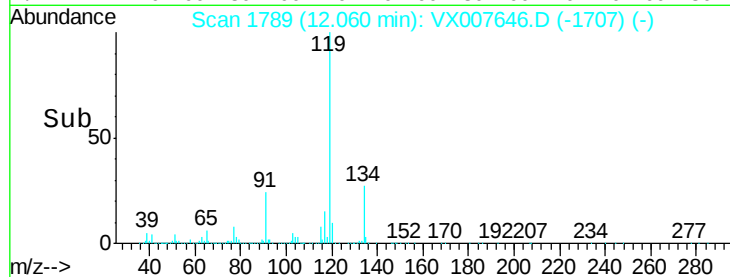
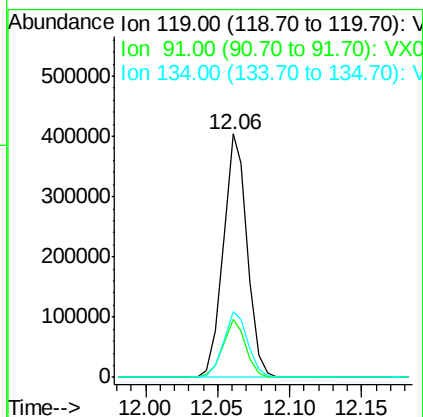
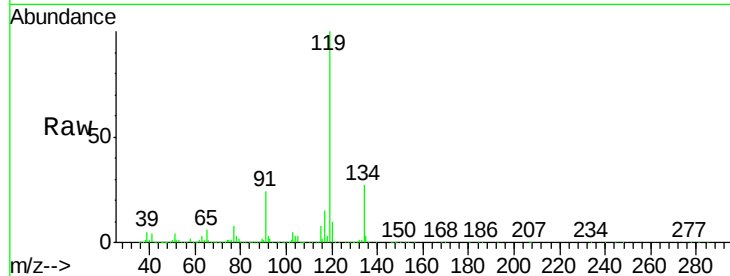




#79
tert-butylbenzene
Concen: 22.382 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

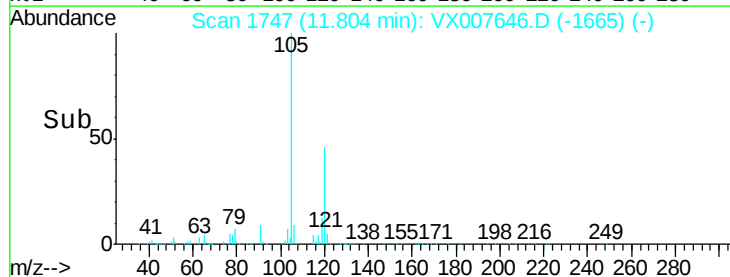
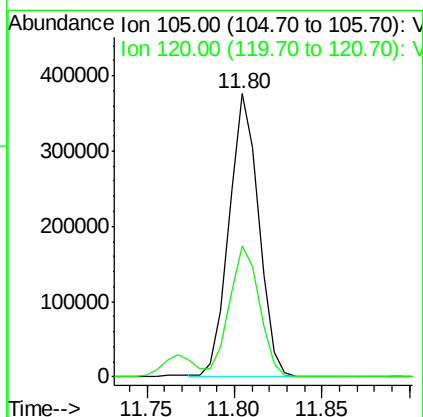
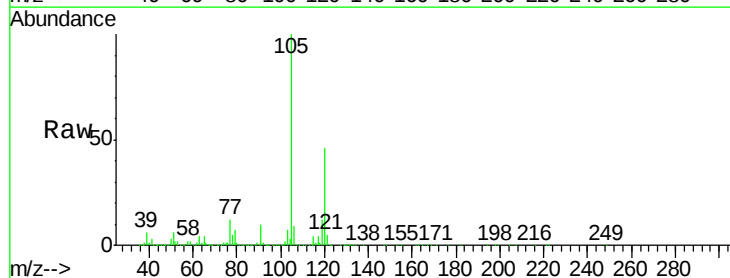
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

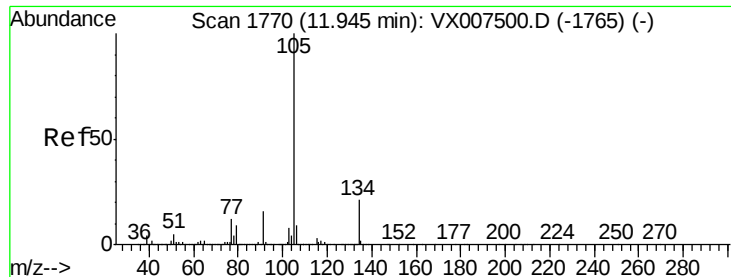
Tot Ion	Ratio	Lower	Upper
119	100		
91	22.9	0.0	45.0
134	27.3	0.0	55.4



#80
1,2,4-Trimethylbenzene
Concen: 21.940 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	0.0	94.0





#81

sec-Butylbenzene

Concen: 22.089 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

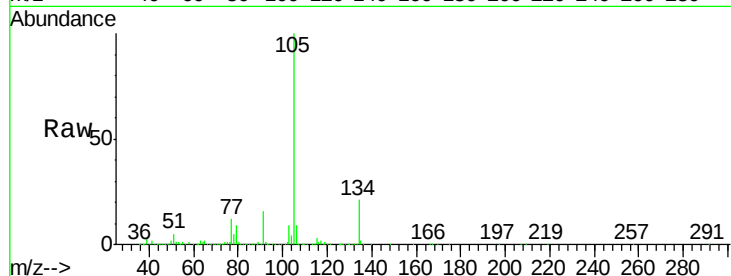
VSTDCCC020

Tot Ion:105 Resp: 524326

Ion Ratio Lower Upper

105 100

134 21.4 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

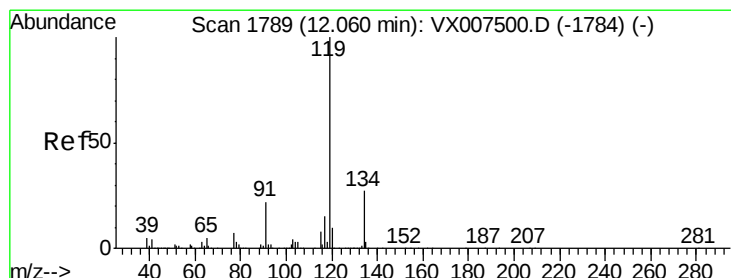
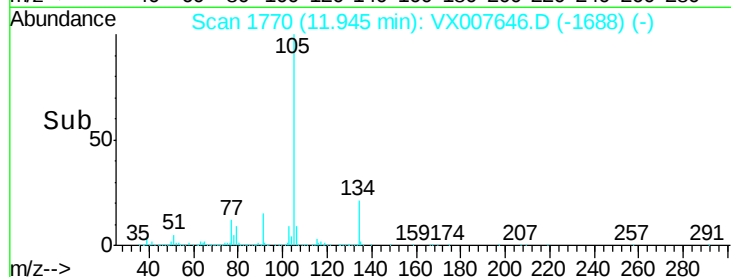
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 22.382 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

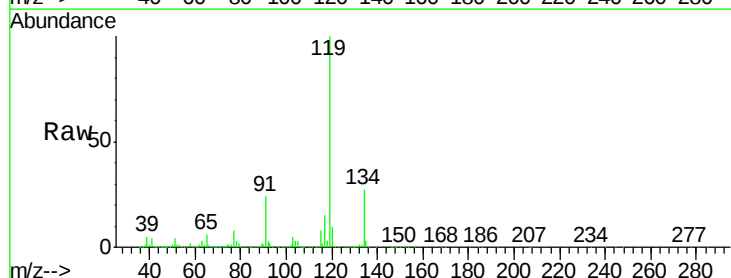
Tgt Ion:119 Resp: 472419

Ion Ratio Lower Upper

119 100

134 27.3 0.0 55.4

91 22.9 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

400000

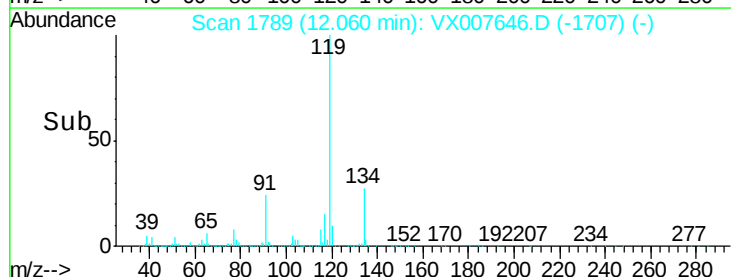
300000

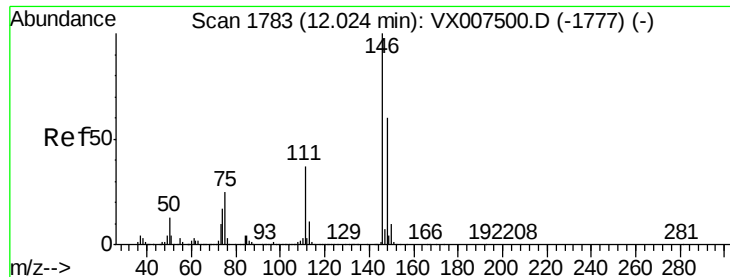
200000

100000

0

Time-->





#83

1,3-Dichlorobenzene

Concen: 22.456 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

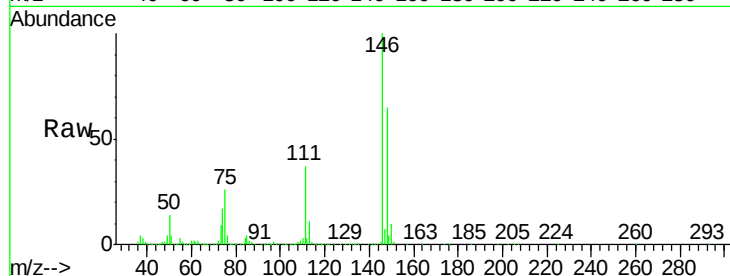
Tot Ion:146 Resp: 262454

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.3

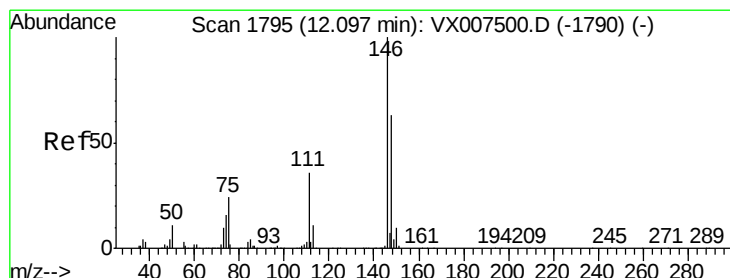
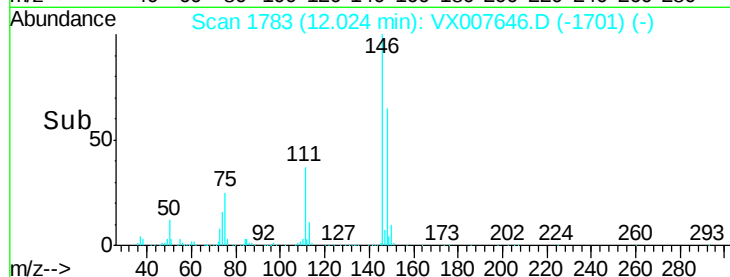
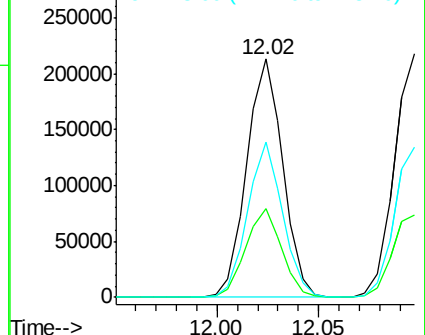
148 63.0 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 22.309 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

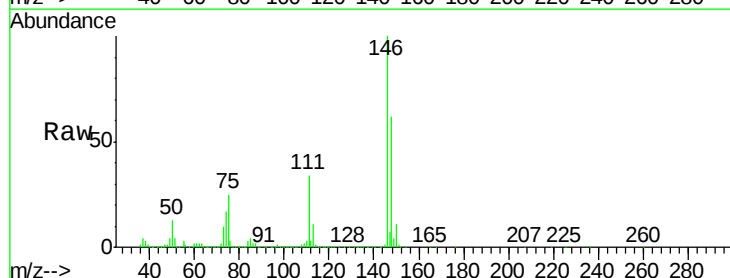
Tgt Ion:146 Resp: 260195

Ion Ratio Lower Upper

146 100

111 35.3 17.6 52.8

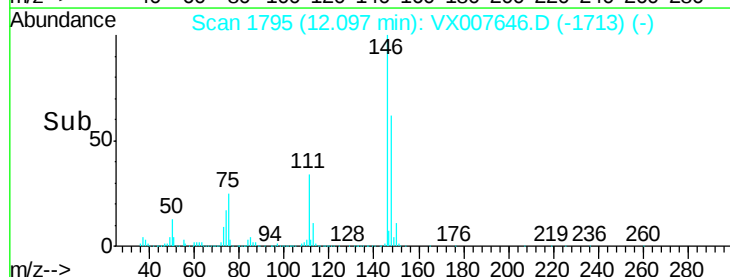
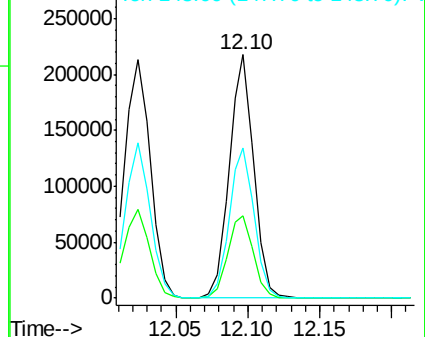
148 62.9 31.4 94.2

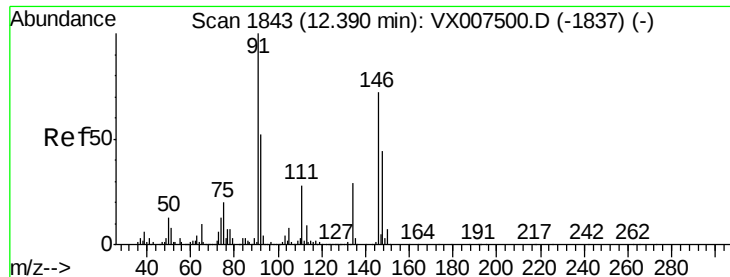


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

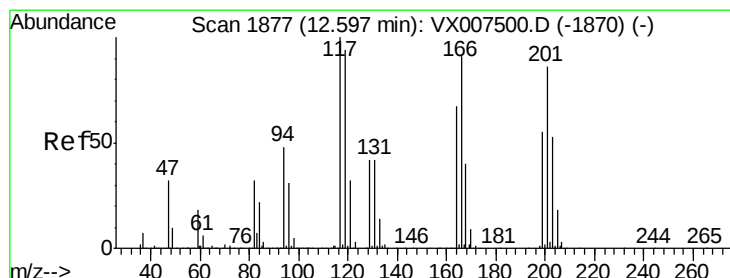
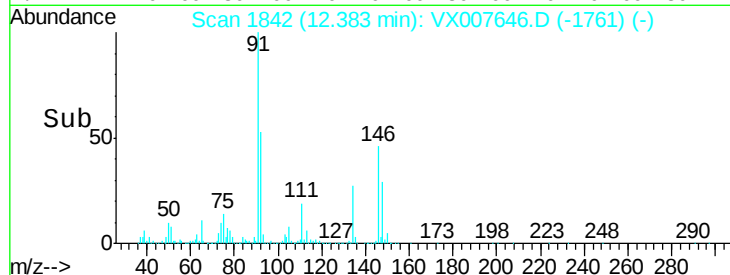
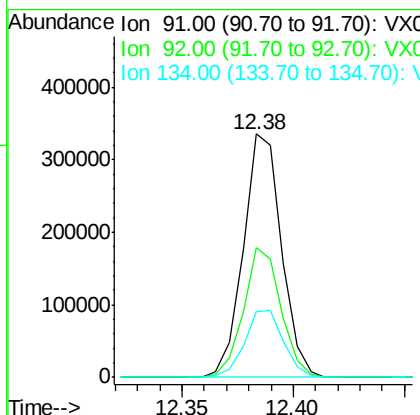
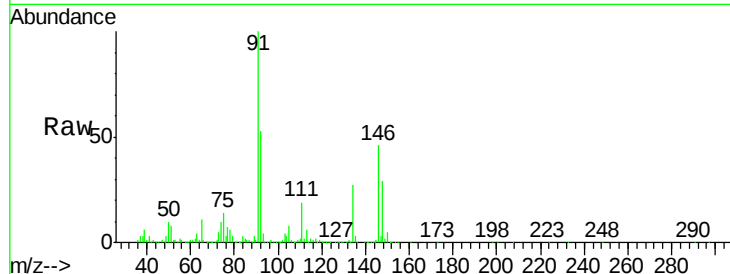




#85
n-Butylbenzene
Concen: 22.912 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

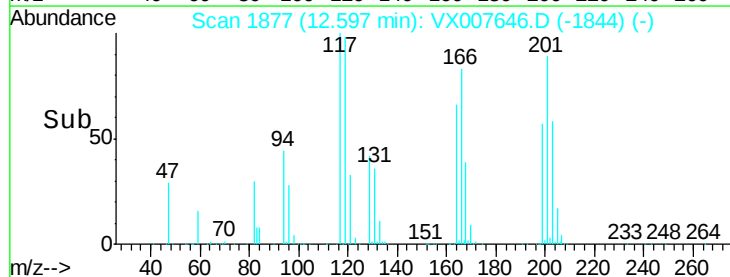
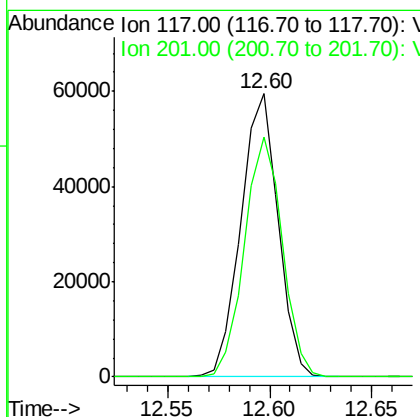
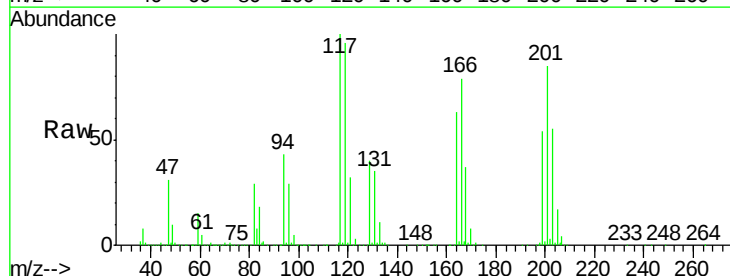
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

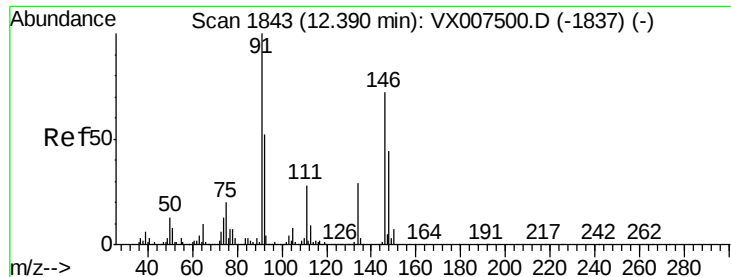
Tot Ion: 91 Resp: 401294
Ion Ratio Lower Upper
91 100
92 52.0 0.0 105.2
134 28.0 0.0 56.4



#86
Hexachloroethane
Concen: 21.577 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 117 Resp: 75613
Ion Ratio Lower Upper
117 100
201 86.1 41.1 123.3





#87

1,2-Dichlorobenzene

Concen: 21.802 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

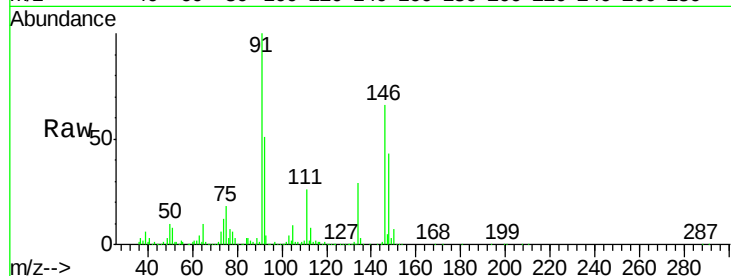
Tot Ion:146 Resp: 255751

Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.8

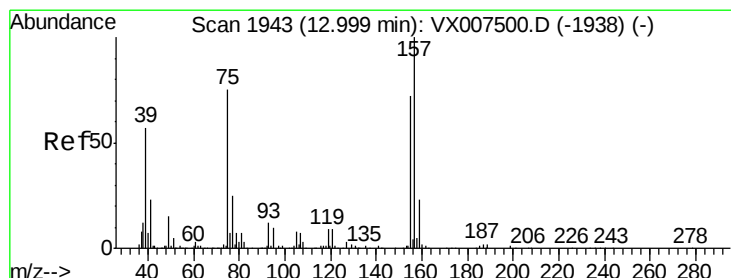
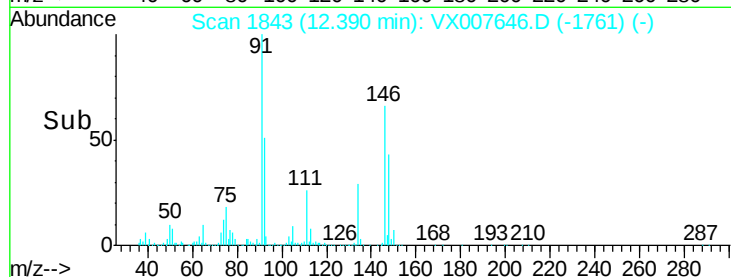
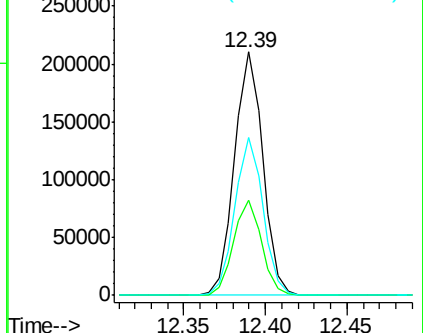
148 63.8 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.416 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

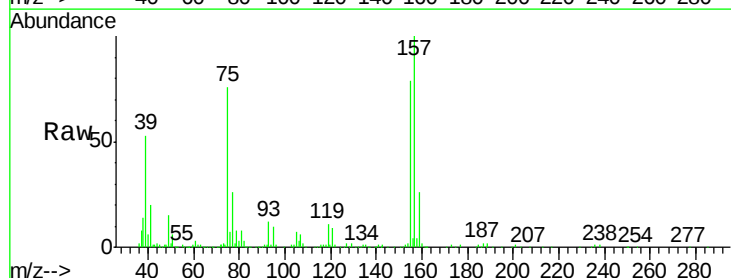
Tgt Ion: 75 Resp: 34295

Ion Ratio Lower Upper

75 100

155 100.6 81.0 121.6

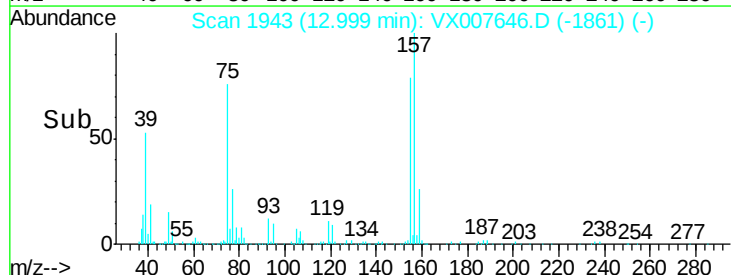
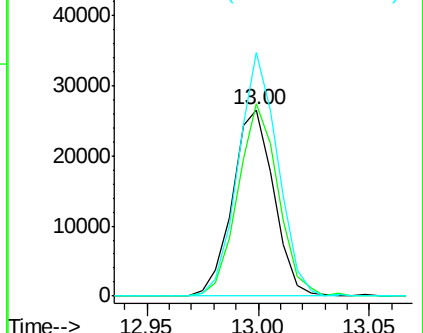
157 125.6 103.2 154.8

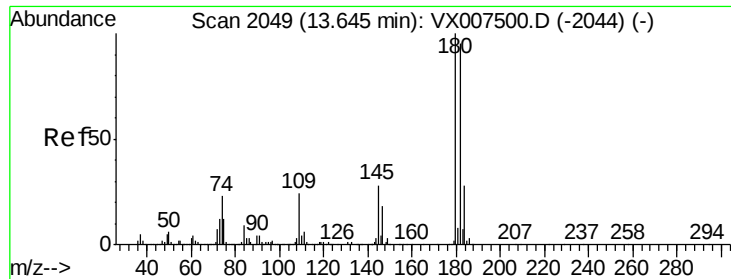


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

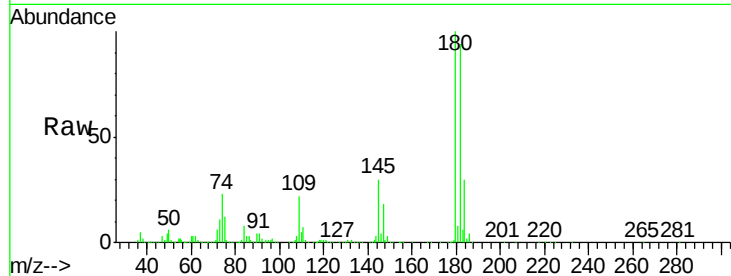




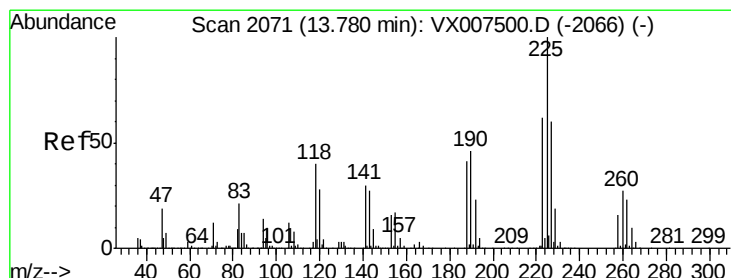
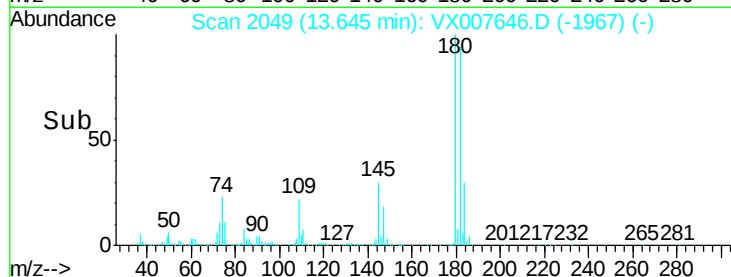
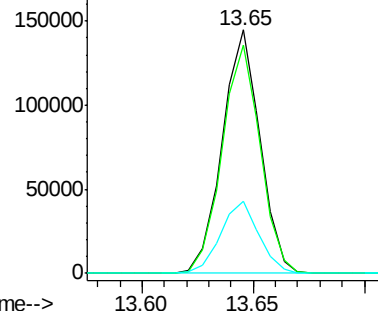
#89
 1,2,4-Trichlorobenzene
 Concen: 22.224 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.6	113.4
145	30.1	23.0	34.6

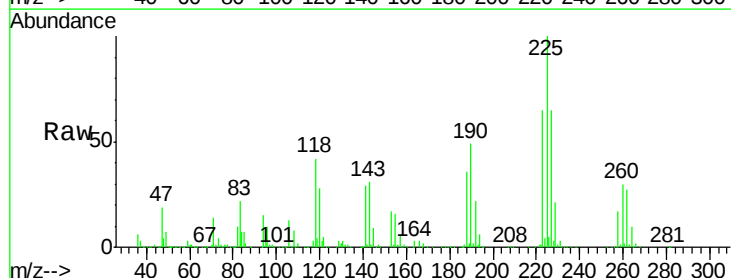


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

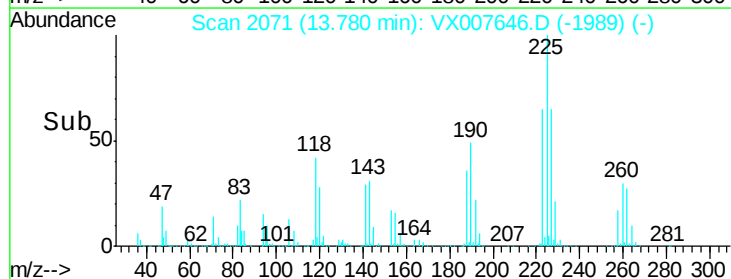
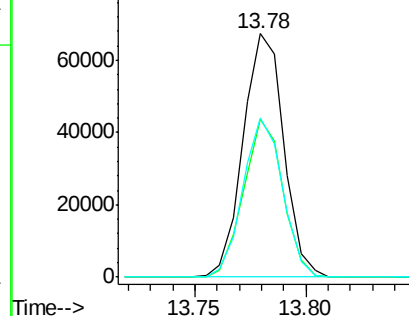


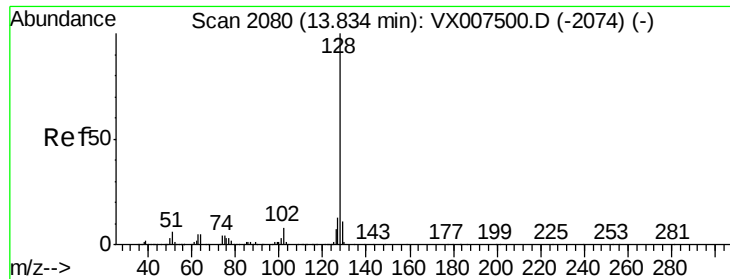
#90
 Hexachlorobutadiene
 Concen: 23.853 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	123.8
227	63.5	0.0	124.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 20.724 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

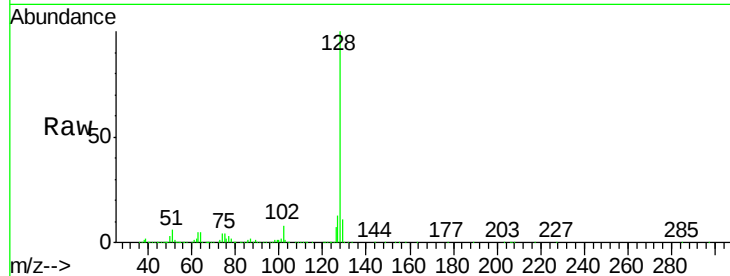
Tot Ion:128 Resp: 509223

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

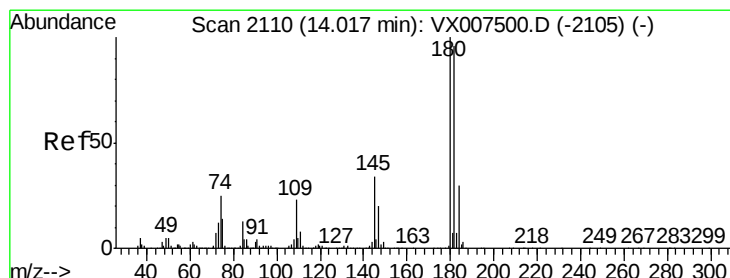
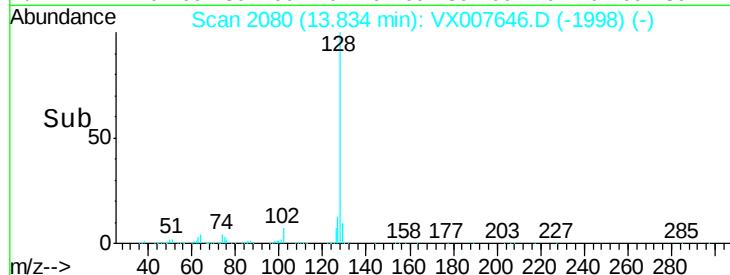
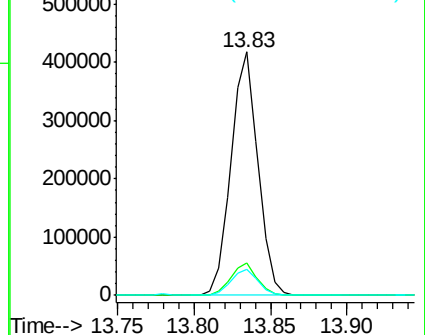
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 21.324 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

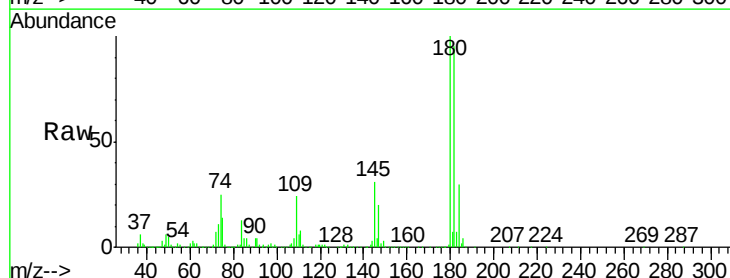
Tgt Ion:180 Resp: 167006

Ion Ratio Lower Upper

180 100

182 97.1 0.0 193.0

145 30.9 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

