

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010983.D
 Acq On : 19 Jul 2019 01:28
 Operator : JC/SP
 Sample : 5PPB LOO
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Quant Time: Jul 19 03:38:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	38274	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	214024	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	191176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77355	29.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.37%
60) 4-Bromofluorobenzene	11.13	95	89517	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	8.71	98	254526	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	9793	3.870 ug/l	84
3) Chloromethane	1.32	50	10746	4.829 ug/l	99
4) Vinyl Chloride	1.41	62	10857	4.679 ug/l	93
5) Bromomethane	1.64	94	7703	6.031 ug/l	99
6) Chloroethane	1.72	64	6643	4.839 ug/l	96
7) Trichlorofluoromethane	1.93	101	18888	4.901 ug/l	97
8) Diethyl Ether	2.19	74	6526	5.157 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10441	4.902 ug/l	98
10) 1,1-Dichloroethene	2.37	96	10688	4.993 ug/l	98
11) Methyl Iodide	2.51	142	9353	3.254 ug/l	98
12) Methyl Acetate	2.78	43	18486	6.149 ug/l	99
13) Acrolein	2.29	56	7167	19.883 ug/l	98
14) Acrylonitrile	3.14	53	28400	24.137 ug/l	97
15) Acetone	2.45	58	8562	26.132 ug/l	90
16) Carbon Disulfide	2.57	76	26115	4.748 ug/l	100
17) Allyl chloride	2.73	41	14090	4.547 ug/l	94
18) Methylene Chloride	2.85	84	12266	5.146 ug/l	91
19) trans-1,2-Dichloroethene	3.17	96	11403	5.043 ug/l	94
20) Diisopropyl ether	3.86	45	31117	4.757 ug/l	92
21) 1,1-Dichloroethane	3.70	63	18077	4.802 ug/l	95
22) cis-1,2-Dichloroethene	4.60	96	12650	4.864 ug/l	99
23) tert-Butyl Alcohol	3.04	59	21434	34.890 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	33763	4.914 ug/l	98
25) Chloroform	5.21	83	19471	4.722 ug/l	94
26) Cyclohexane	5.59	56	17258	5.010 ug/l	# 100
29) 1,1-Dichloropropene	5.80	75	14742	4.898 ug/l	89
30) 2-Butanone	4.67	43	39395	24.248 ug/l	100
31) 2,2-Dichloropropane	4.58	77	6244	2.377 ug/l	# 65
32) 1,1,1-Trichloroethane	5.49	97	16249	4.477 ug/l	99
33) Carbon Tetrachloride	5.78	117	13650	4.325 ug/l	97
34) Benzene	6.14	78	44093	4.884 ug/l	96
35) Methacrylonitrile	5.05	41	7613	4.501 ug/l	96
36) 1,2-Dichloroethane	6.20	62	15642	4.845 ug/l	# 87
37) Trichloroethene	7.21	130	12486	4.724 ug/l	95
38) Methylcyclohexane	7.46	83	17772	4.679 ug/l	98
39) 1,2-Dichloropropane	7.51	63	10662	4.725 ug/l	99
40) Dibromomethane	7.66	93	7909	4.765 ug/l	94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	12719	4.210	ug/l	99
42) Vinyl Acetate	3.81	43	111439	20.819	ug/l	99
43) Ethyl Acetate	4.84	43	13381	4.291	ug/l #	89
44) Isopropyl Acetate	6.45	43	21427	4.218	ug/l	97
45) 1,4-Dioxane	7.74	88	6455	97.633	ug/l #	95
46) Methyl methacrylate	7.77	41	10581	4.291	ug/l	92
47) n-amyl Acetate	10.90	43	16372	3.594	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	12252	3.848	ug/l	94
49) cis-1,3-Dichloropropene	8.43	75	13828	3.980	ug/l	91
50) 1,1,2-Trichloroethane	9.21	97	11154	4.592	ug/l	94
51) Ethyl methacrylate	9.18	69	16645	4.431	ug/l	99
52) 1,3-Dichloropropane	9.37	76	18186	4.659	ug/l	95
53) Dibromochloromethane	9.58	129	9812	3.740	ug/l	98
54) 1,2-Dibromoethane	9.67	107	11861	4.493	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	40213	25.276	ug/l	99
56) Bromoform	10.85	173	6896	3.529	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	76704	23.757	ug/l	99
59) 2-Hexanone	9.49	43	58773	23.789	ug/l	100
61) Tetrachloroethene	9.33	164	13019	5.158	ug/l	96
62) Toluene	8.79	91	49277	4.852	ug/l	100
64) Chlorobenzene	10.14	112	31684	4.869	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	9952	4.208	ug/l	97
66) Ethyl Benzene	10.25	91	53624	4.690	ug/l	96
67) m/p-Xylenes	10.36	106	42617	9.743	ug/l	99
68) o-Xylene	10.69	106	19964	4.658	ug/l	94
69) Styrene	10.71	104	31560	4.381	ug/l	96
70) Isopropylbenzene	11.02	105	53004	4.644	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	17155	4.661	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	18036	5.871	ug/l	86
73) Bromobenzene	11.26	156	14241	4.625	ug/l	97
74) n-propylbenzene	11.36	91	59184	4.607	ug/l	100
75) 2-Chlorotoluene	11.42	91	35447	4.633	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	43789	4.533	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	3178	3.136	ug/l	70
78) 4-Chlorotoluene	11.51	91	39904	4.542	ug/l	99
79) tert-butylbenzene	11.77	119	41840	4.465	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	43568	4.478	ug/l	100
81) sec-Butylbenzene	11.94	105	49789	4.508	ug/l	98
82) p-Isopropyltoluene	12.06	119	45311	4.421	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	25543	4.699	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	24955	4.619	ug/l	99
85) n-Butylbenzene	12.38	91	35598	4.079	ug/l	99
86) Hexachloroethane	12.59	117	5852	3.620	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	25166	4.728	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	3147	3.884	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	15871	4.323	ug/l	97
90) Hexachlorobutadiene	13.78	225	7546	4.251	ug/l	95
91) Naphthalene	13.83	128	45956	4.103	ug/l	98
92) 1,2,3-Trichlorobenzene	14.02	180	15678	4.261	ug/l	97

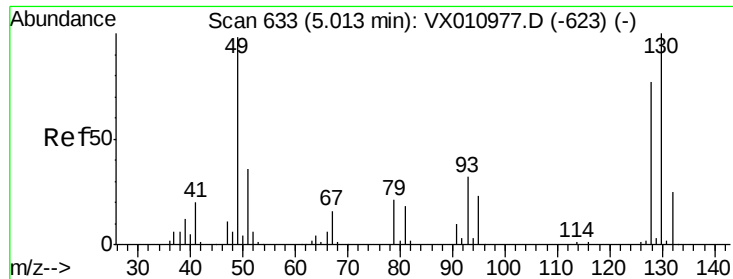
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QLast Update : Fri Jul 19 03:27:28 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

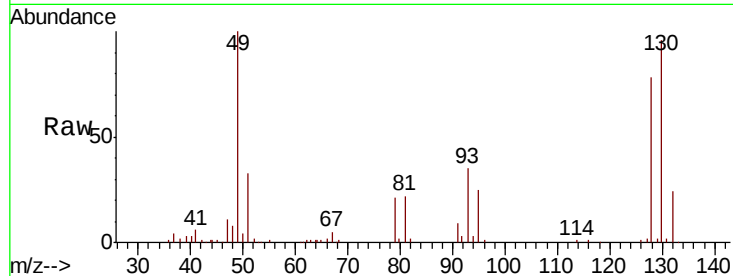
Tot Ion:128 Resp: 38274

Ion Ratio Lower Upper

128 100

49 135.0 0.0 343.5

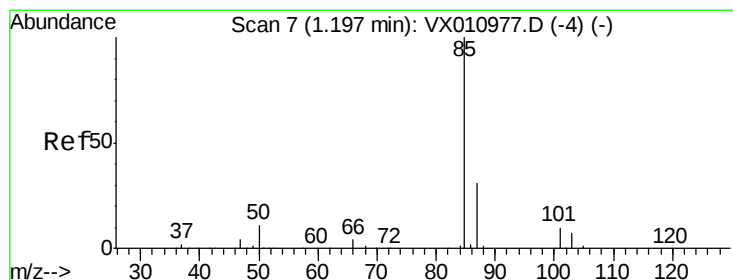
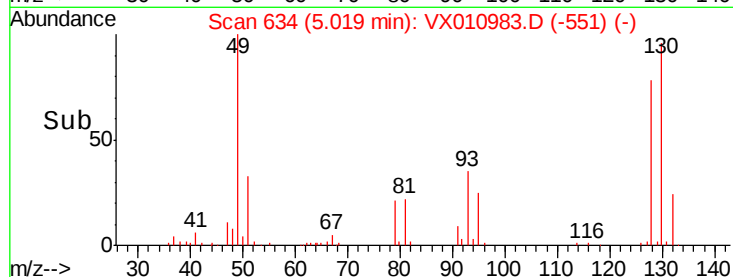
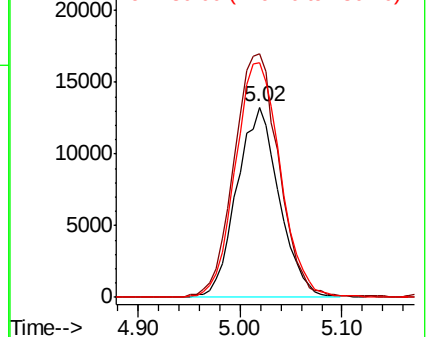
130 131.1 0.0 324.7



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: 3.870 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010983.D

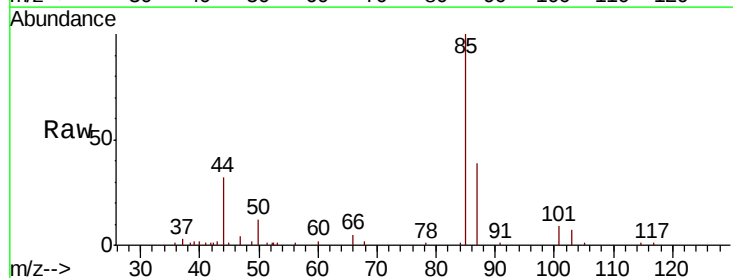
Acq: 19 Jul 2019 01:28

Tgt Ion: 85 Resp: 9793

Ion Ratio Lower Upper

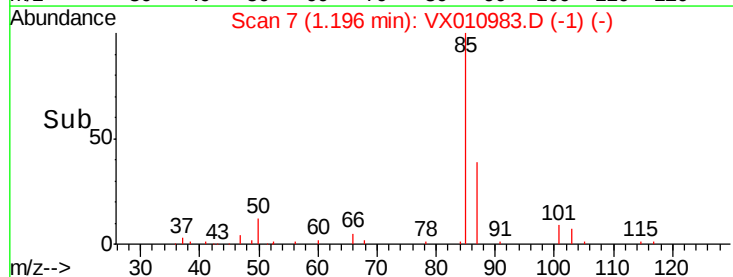
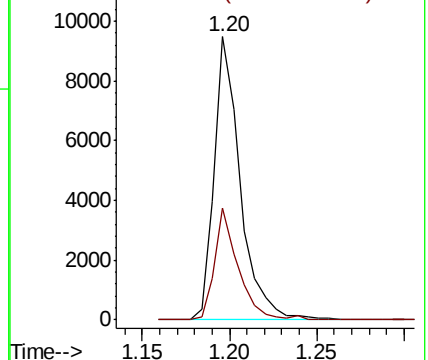
85 100

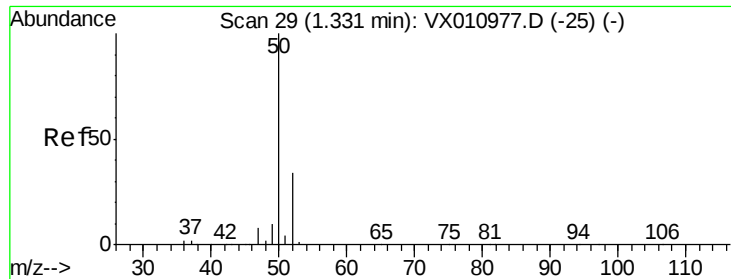
87 39.4 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 4.829 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

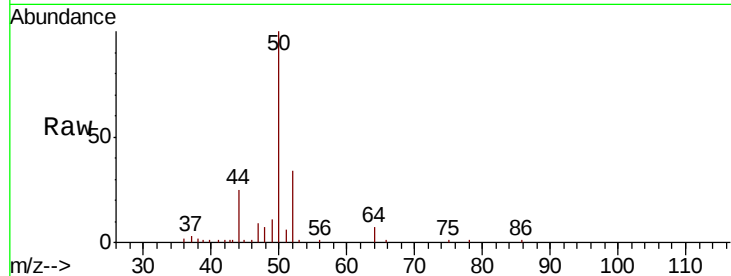
LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 10746

Ion Ratio Lower Upper

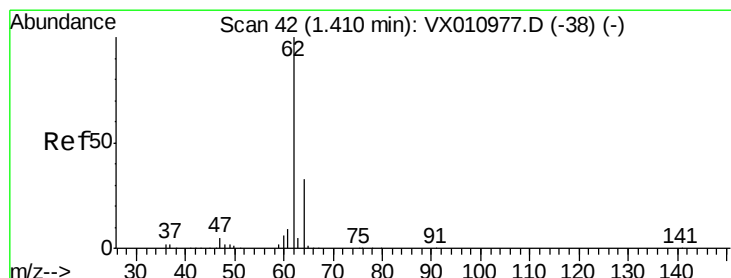
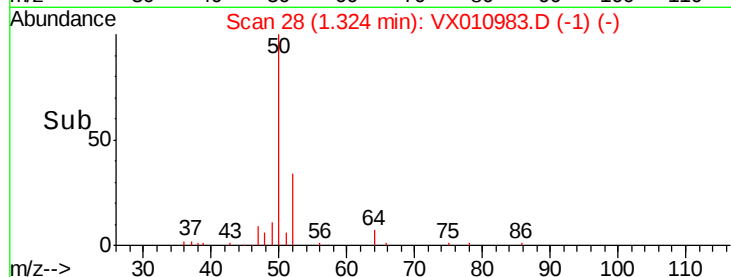
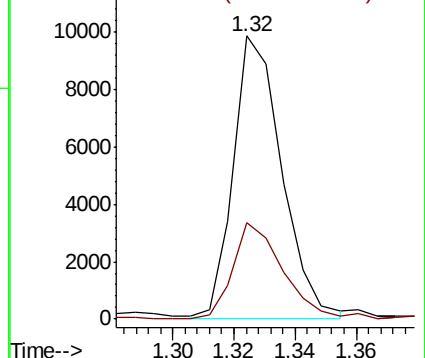
50 100

52 34.6 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.679 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010983.D

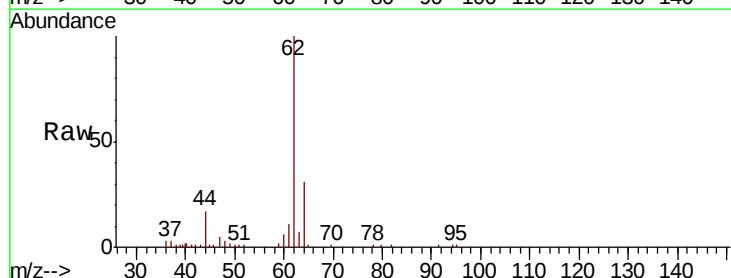
Acq: 19 Jul 2019 01:28

Tgt Ion: 62 Resp: 10857

Ion Ratio Lower Upper

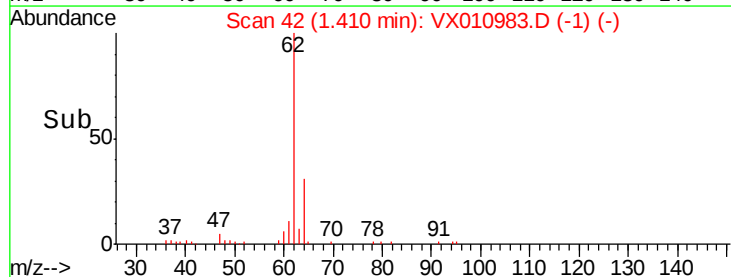
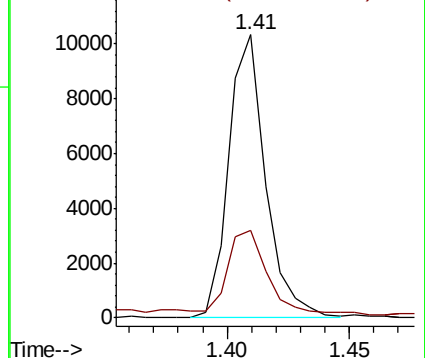
62 100

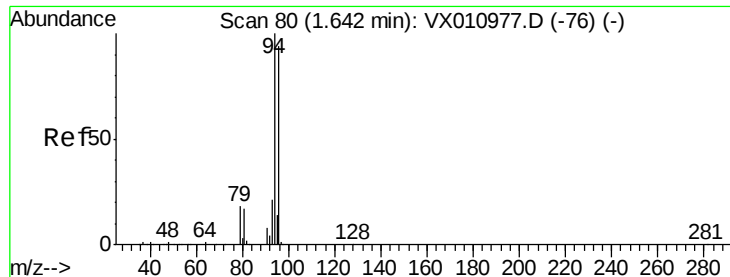
64 29.3 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 6.031 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

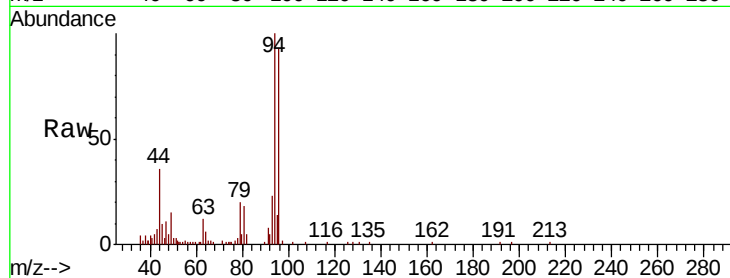
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 7703

Ion Ratio Lower Upper

94 100

96 93.5 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

8000

6000

4000

2000

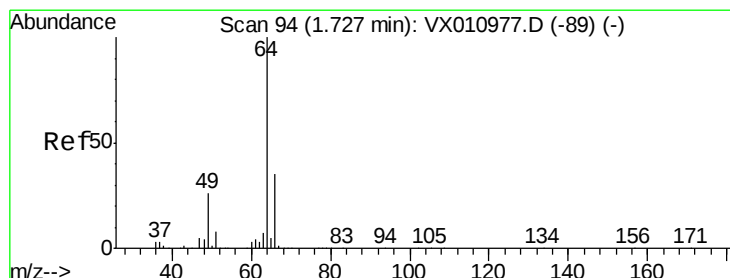
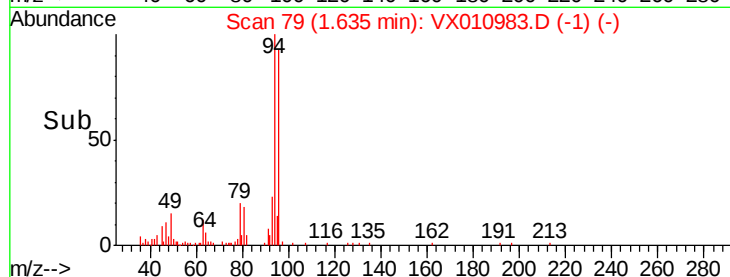
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 4.839 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX010983.D

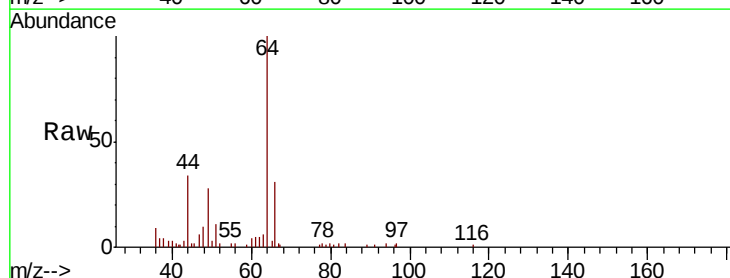
Acq: 19 Jul 2019 01:28

Tgt Ion: 64 Resp: 6643

Ion Ratio Lower Upper

64 100

66 32.8 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

6000

5000

4000

3000

2000

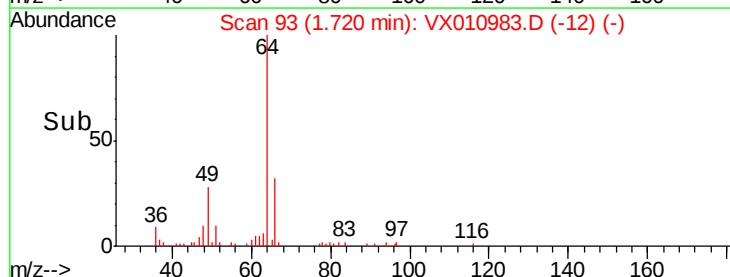
1000

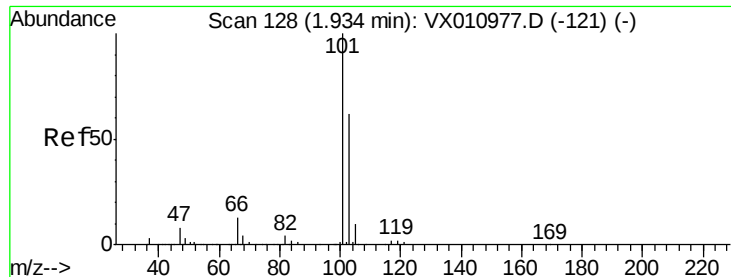
0

1.70

1.75

Time-->



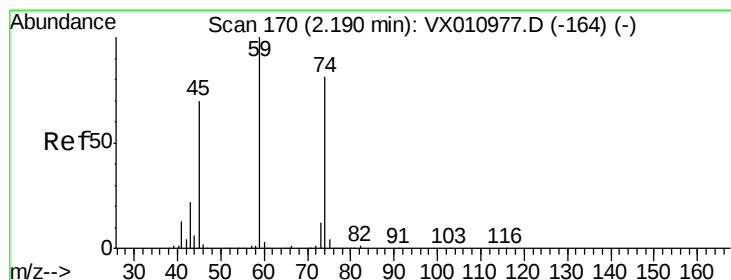
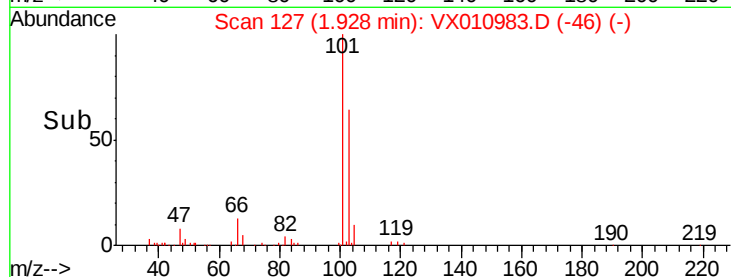
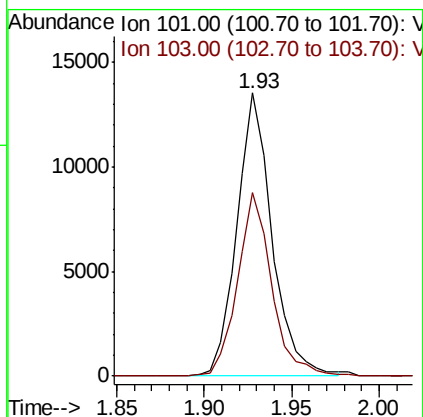
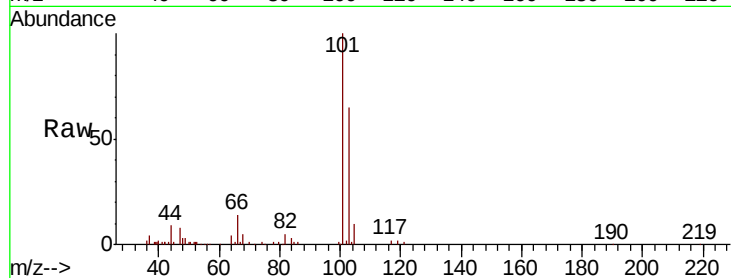


#7

Trichlorofluoromethane
 Concen: 4.901 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

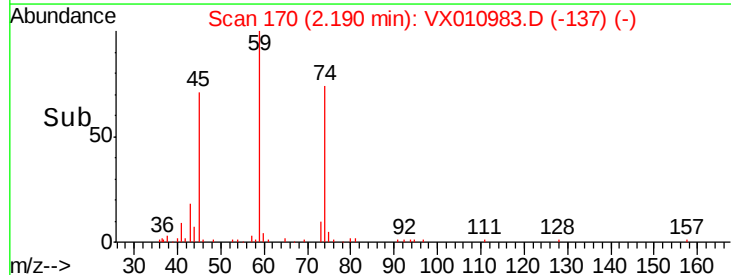
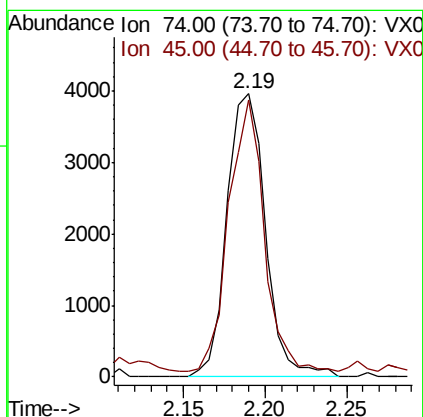
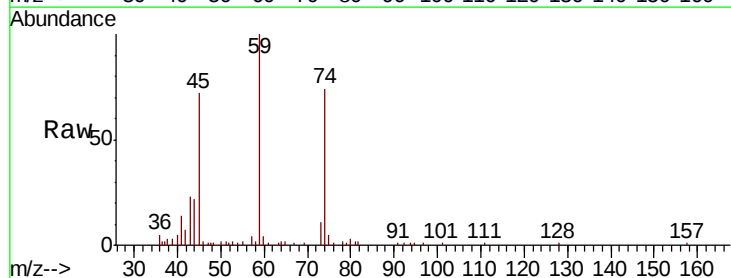
Tot Ion:101 Resp: 18888
 Ion Ratio Lower Upper
 101 100
 103 64.7 49.6 74.4

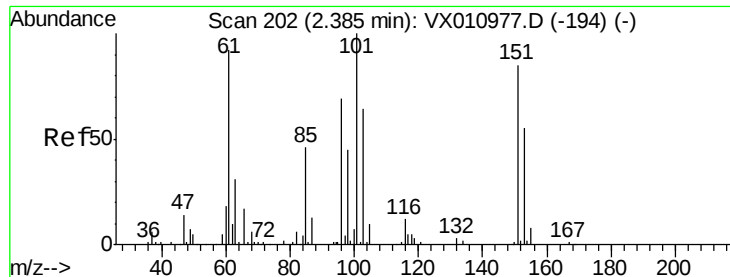


#8

Diethyl Ether
 Concen: 5.157 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 74 Resp: 6526
 Ion Ratio Lower Upper
 74 100
 45 88.9 18.3 164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.902 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

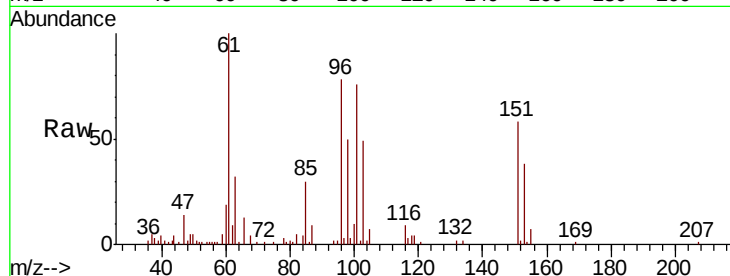
Tot Ion: 101 Resp: 10441

Ion Ratio Lower Upper

101 100

85 44.6 0.0 89.8

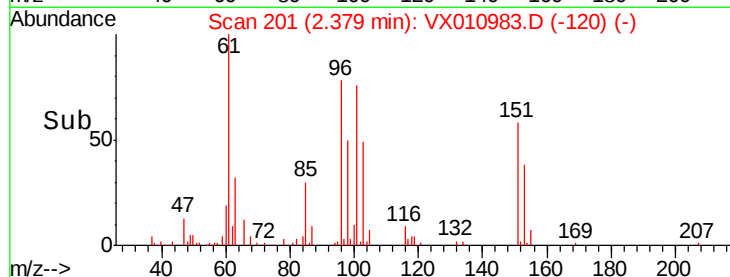
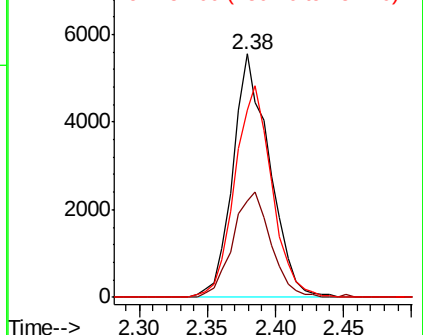
151 88.2 0.0 172.2



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: 4.993 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

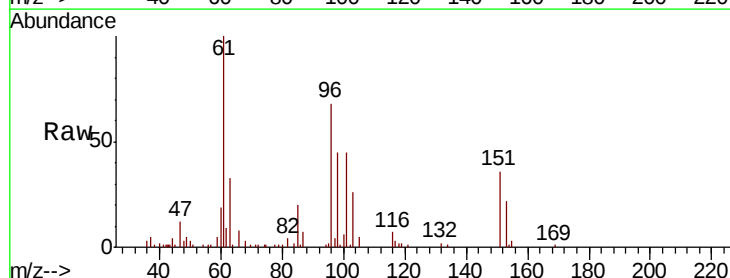
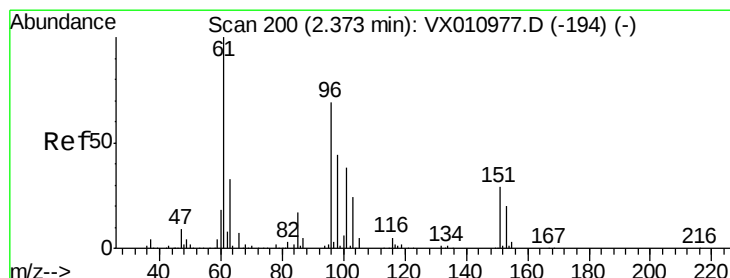
Tgt Ion: 96 Resp: 10688

Ion Ratio Lower Upper

96 100

61 146.4 115.9 173.9

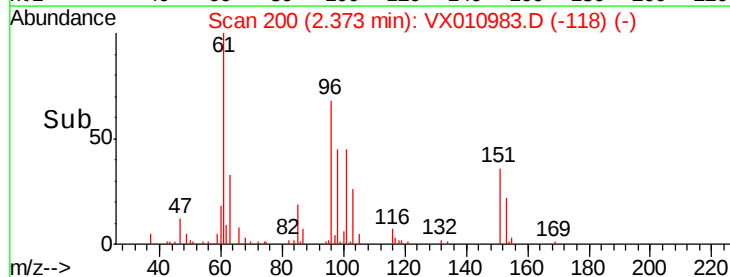
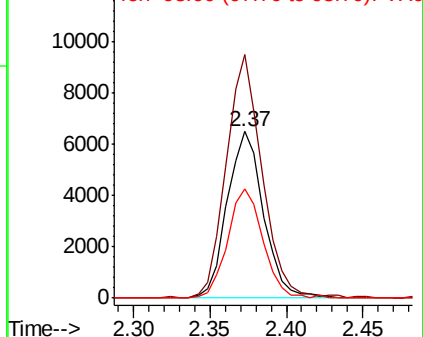
98 65.5 50.6 75.8

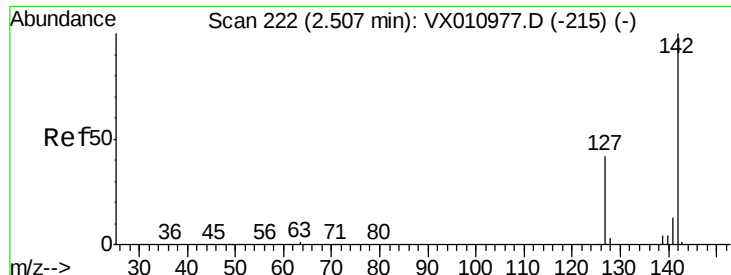


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

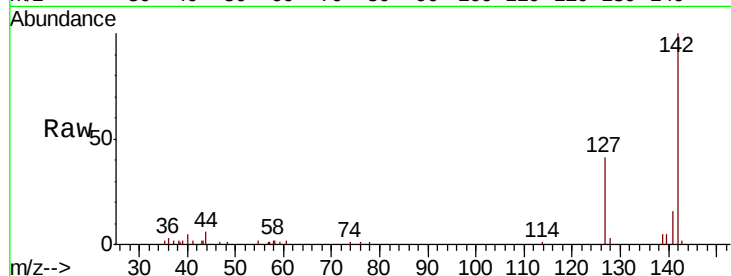




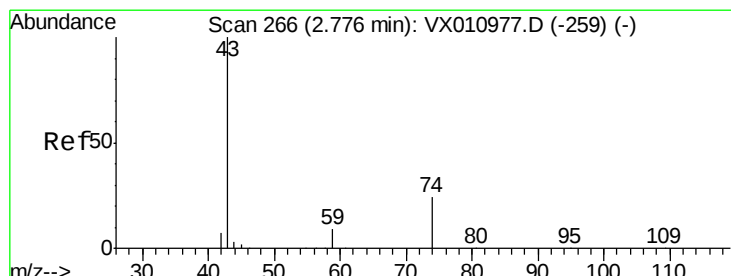
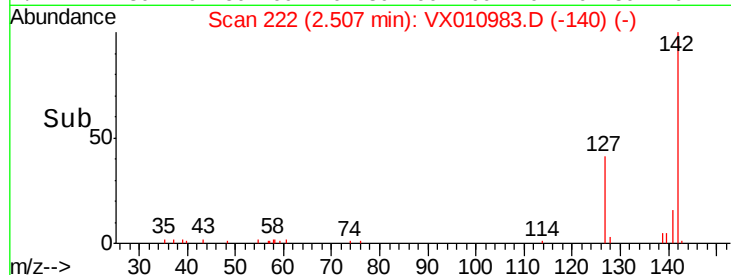
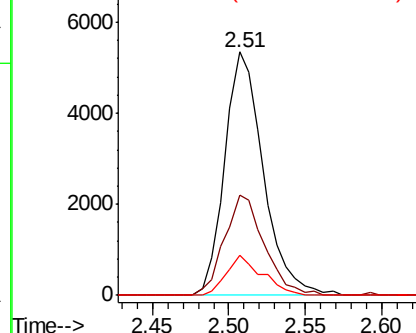
#11
Methvl Iodide
Concen: 3.254 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:142 Resp: 9353
Ion Ratio Lower Upper
142 100
127 41.1 20.7 62.1
141 16.2 6.7 20.0

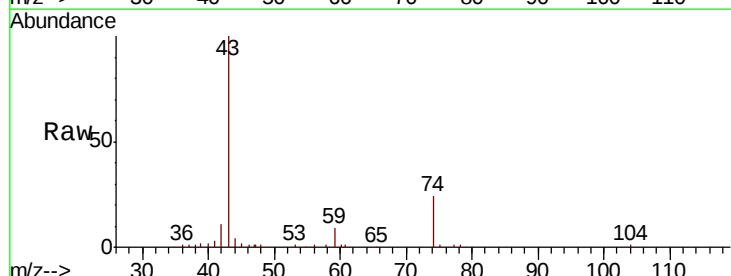


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

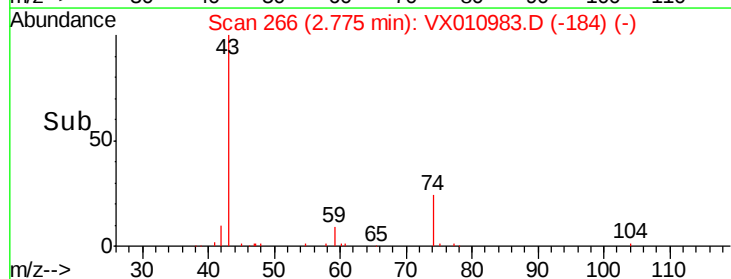
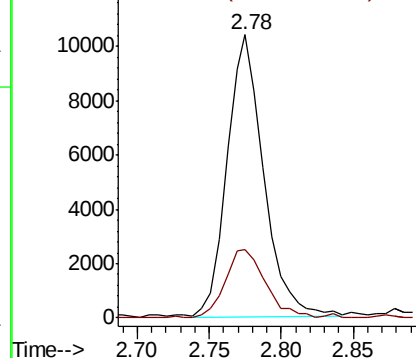


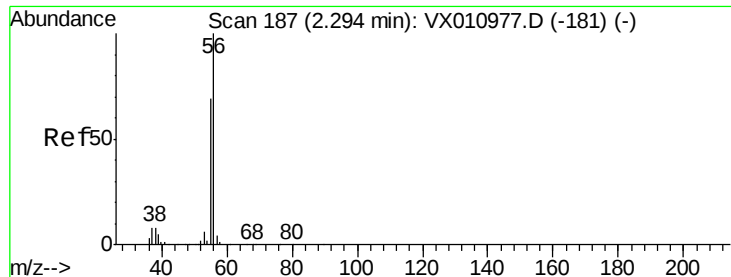
#12
Methyl Acetate
Concen: 6.149 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 18486
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 19.883 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

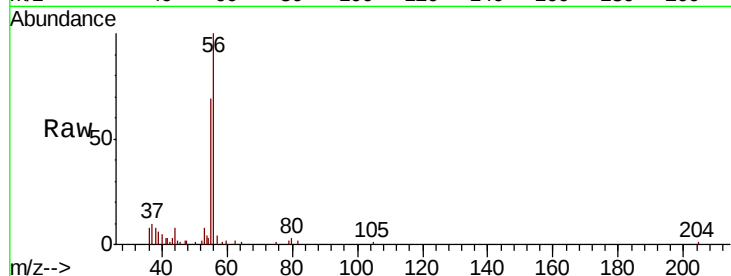
LOQ-WATER-02-QT3-2019

Tot Ion: 56 Resp: 7167

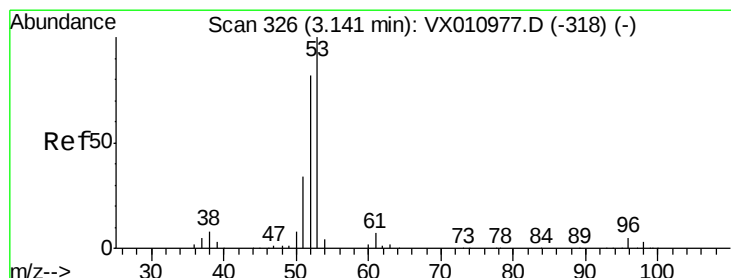
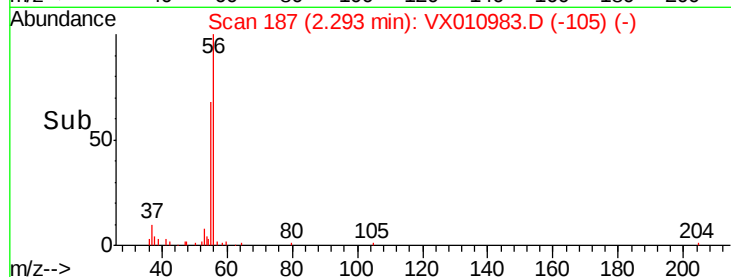
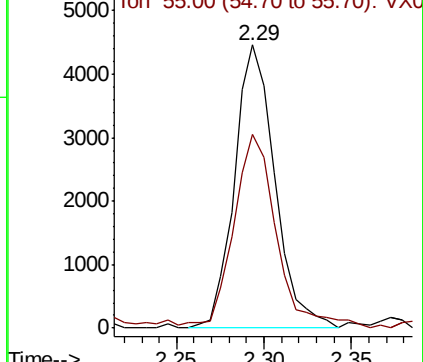
Ion Ratio Lower Upper

56 100

55 72.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0



#14

Acrylonitrile

Concen: 24.137 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

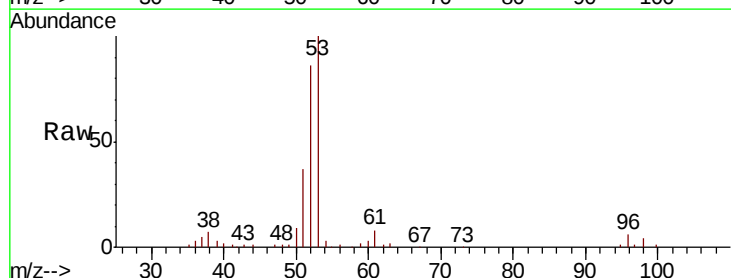
Tgt Ion: 53 Resp: 28400

Ion Ratio Lower Upper

53 100

52 84.2 41.1 123.4

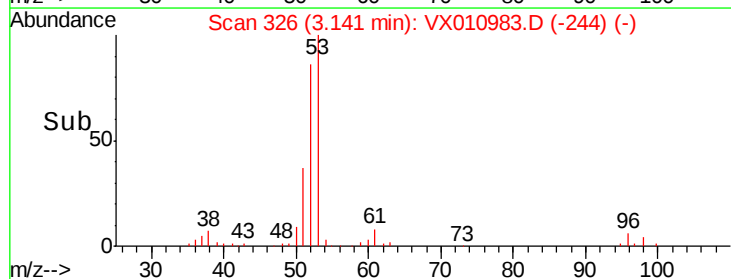
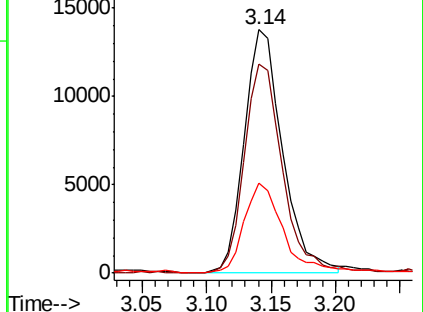
51 38.2 17.8 53.3

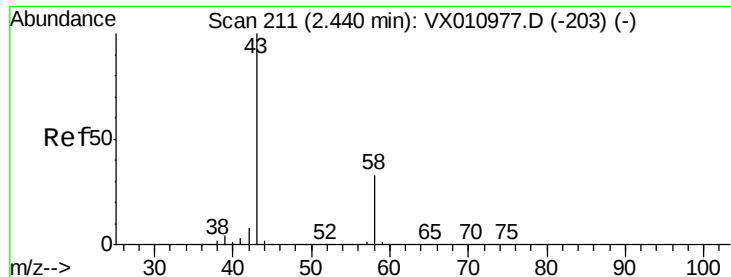


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 26.132 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

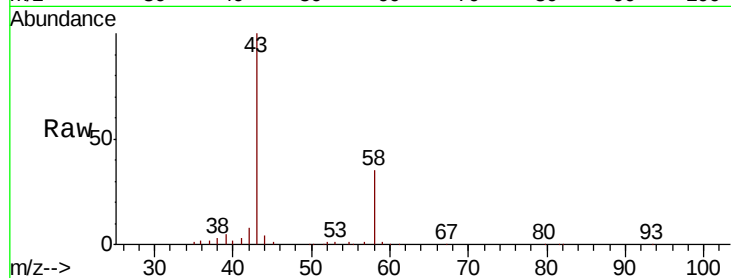
LOQ-WATER-02-QT3-2019

Tot Ion: 58 Resp: 8562

Ion Ratio Lower Upper

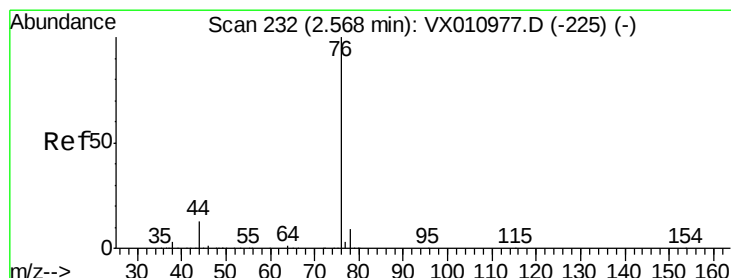
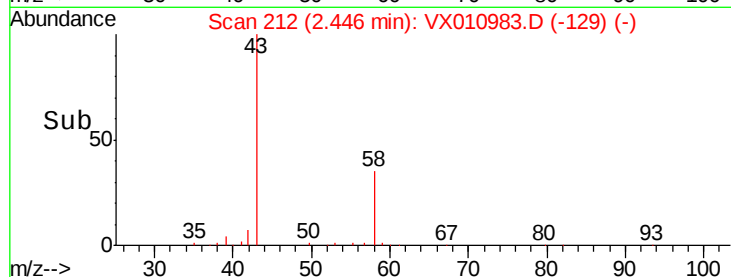
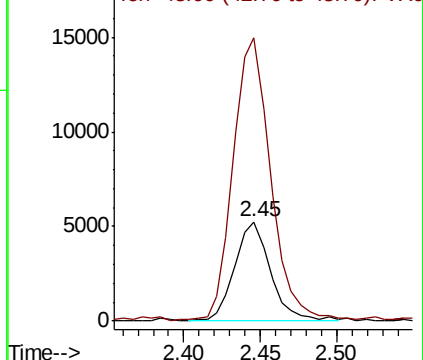
58 100

43 284.0 243.8 365.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 4.748 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010983.D

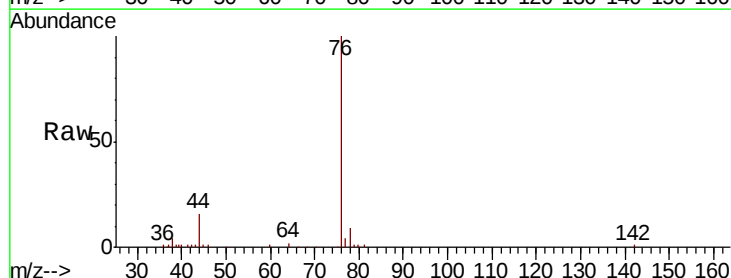
Acq: 19 Jul 2019 01:28

Tgt Ion: 76 Resp: 26115

Ion Ratio Lower Upper

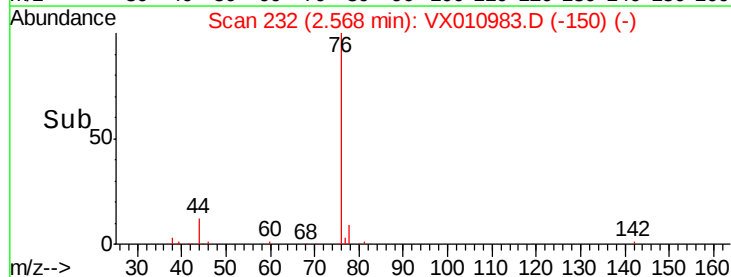
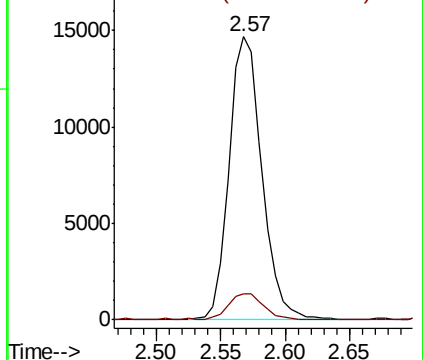
76 100

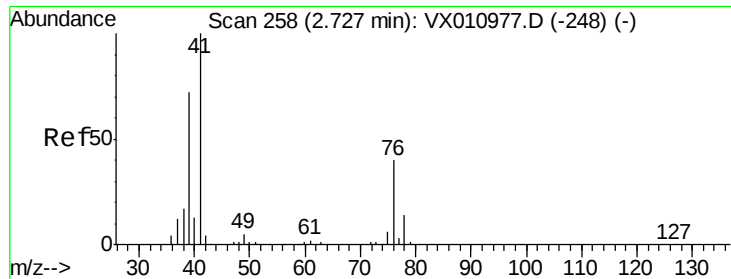
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

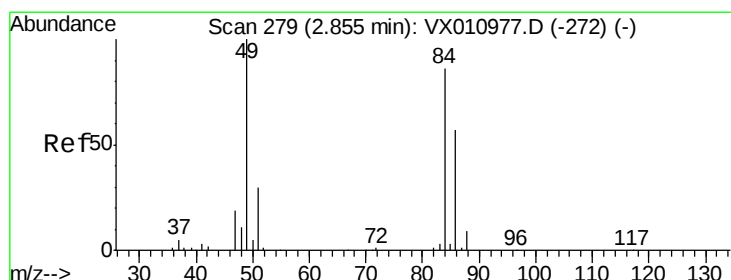
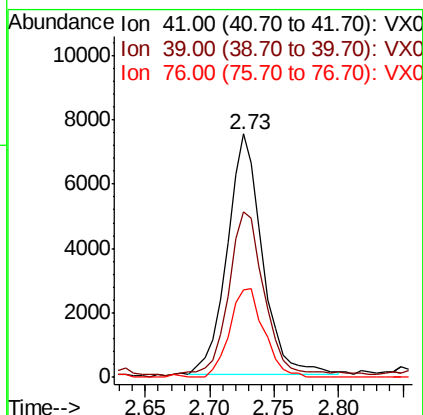
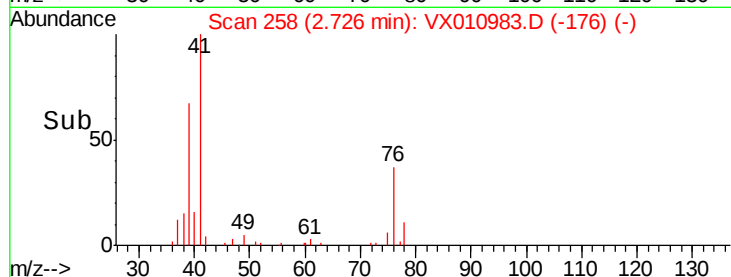
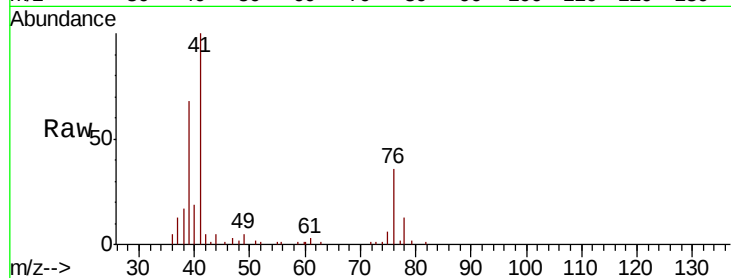




#17
Allvl chloride
Concen: 4.547 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

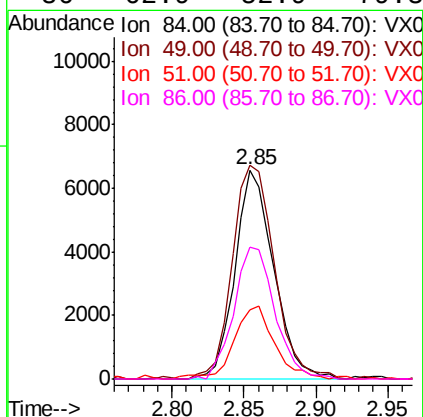
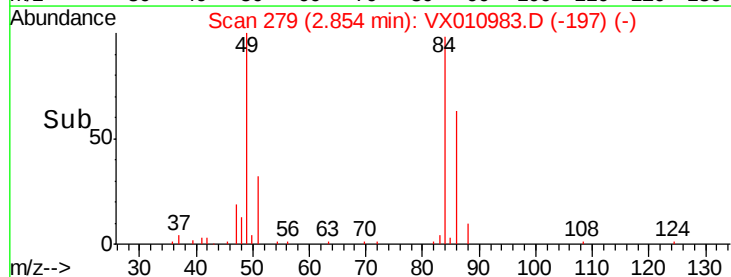
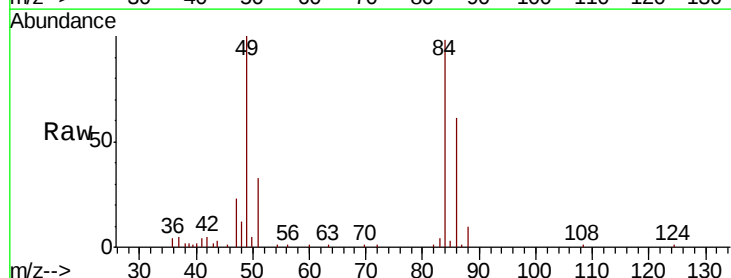
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

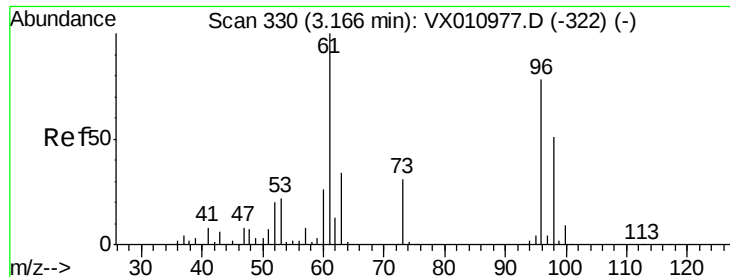
Tot Ion: 41 Resp: 14090
Ion Ratio Lower Upper
41 100
39 67.3 36.1 108.3
76 36.9 20.2 60.5



#18
Methylene Chloride
Concen: 5.146 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 84 Resp: 12266
Ion Ratio Lower Upper
84 100
49 102.3 93.2 139.8
51 32.2 28.6 42.8
86 62.9 52.9 79.3

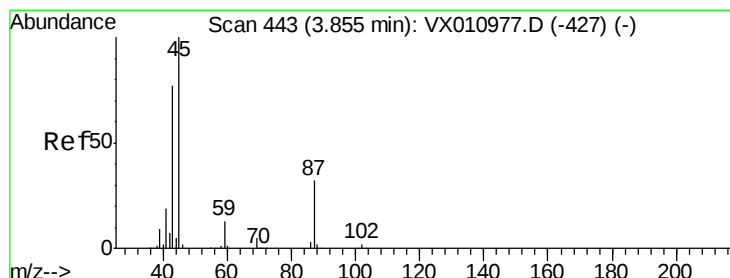
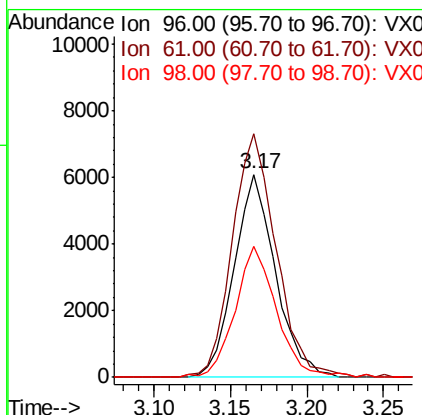
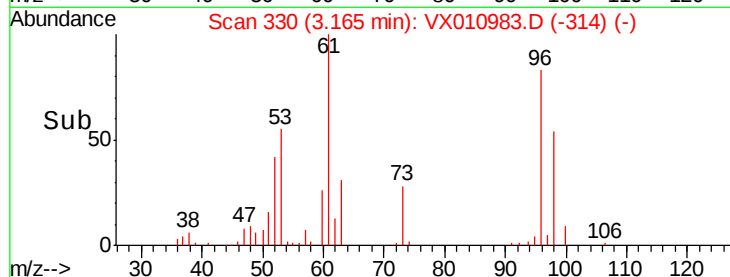
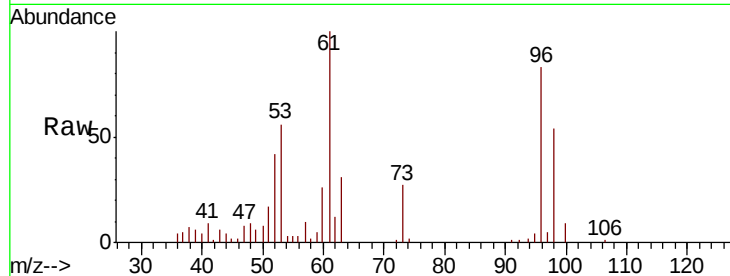




#19
trans-1,2-Dichloroethene
Concen: 5.043 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

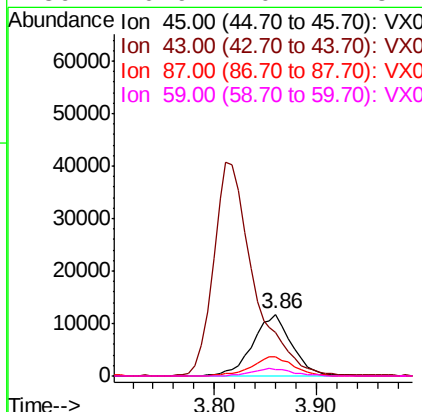
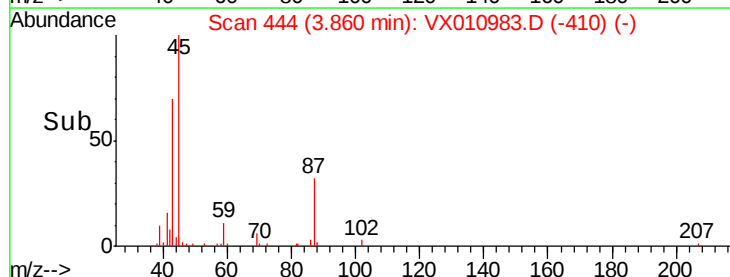
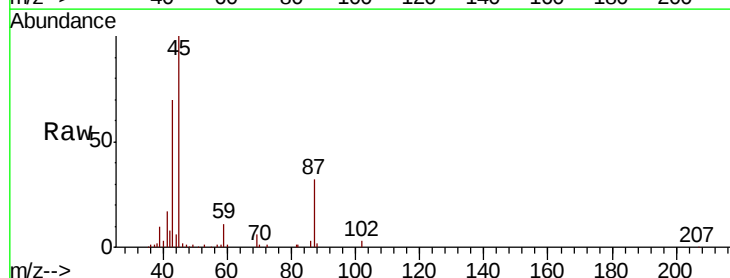
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

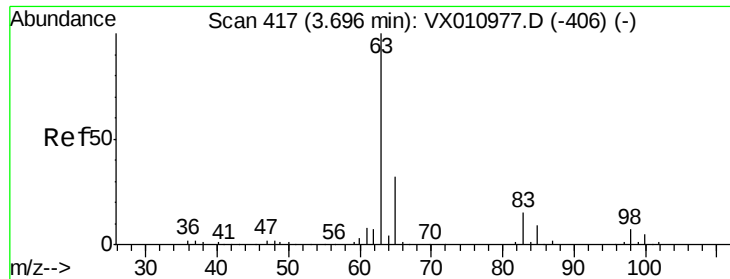
Tot Ion: 96 Resp: 11403
Ion Ratio Lower Upper
96 100
61 118.8 102.2 153.4
98 63.3 52.2 78.2



#20
Diisopropyl ether
Concen: 4.757 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 45 Resp: 31117
Ion Ratio Lower Upper
45 100
43 66.6 61.5 92.3
87 31.7 25.4 38.2
59 10.9 10.2 15.2

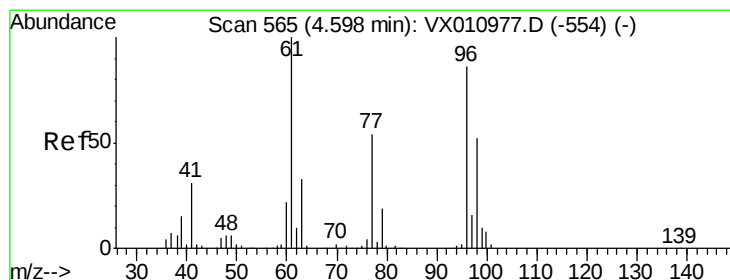
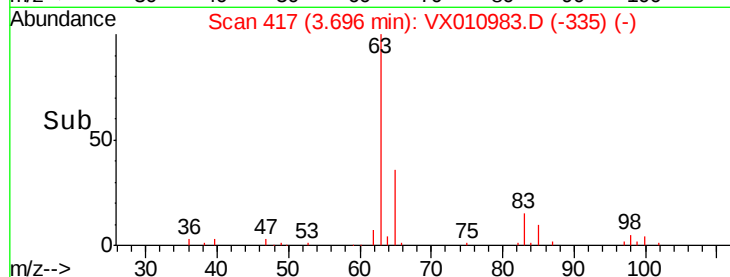
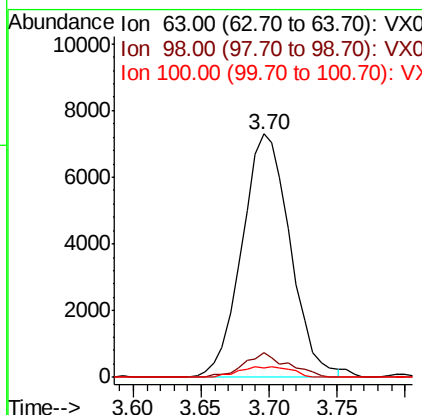
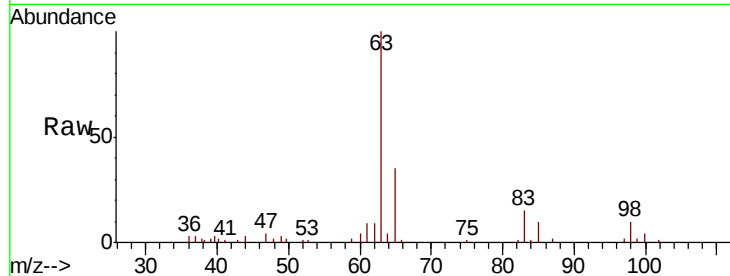




#21
 1,1-Dichloroethane
 Concen: 4.802 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

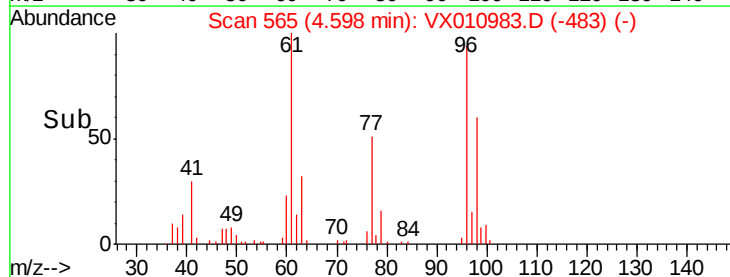
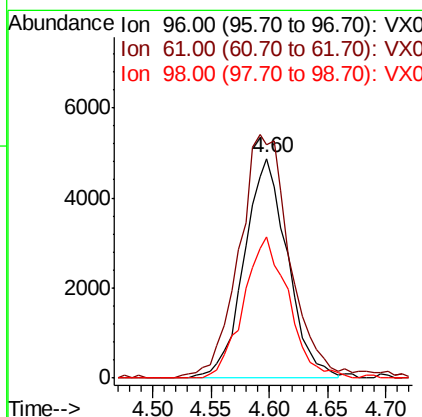
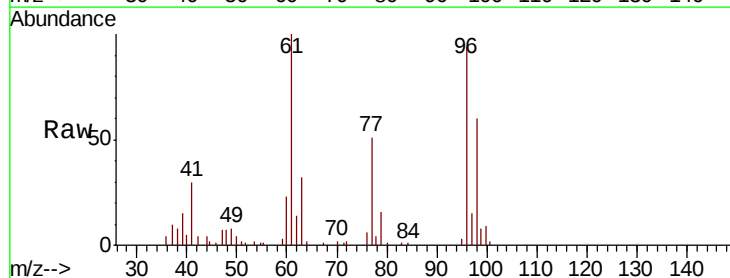
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

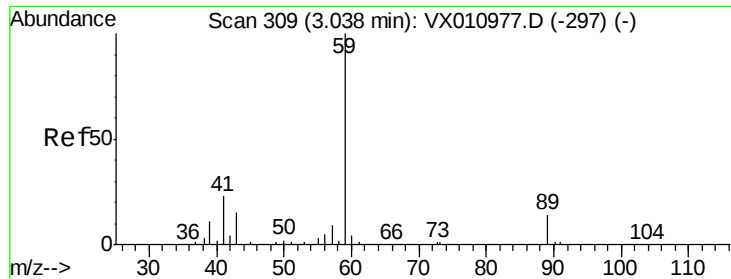
Tot Ion: 63 Resp: 18077
 Ion Ratio Lower Upper
 63 100
 98 10.0 3.8 11.2
 100 4.1 2.5 7.4



#22
 cis-1,2-Dichloroethene
 Concen: 4.864 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 96 Resp: 12650
 Ion Ratio Lower Upper
 96 100
 61 128.8 102.9 154.3
 98 66.6 50.9 76.3





#23

tert-Butyl Alcohol

Concen: 34.890 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

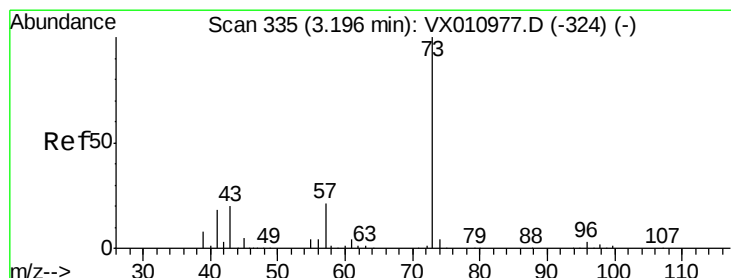
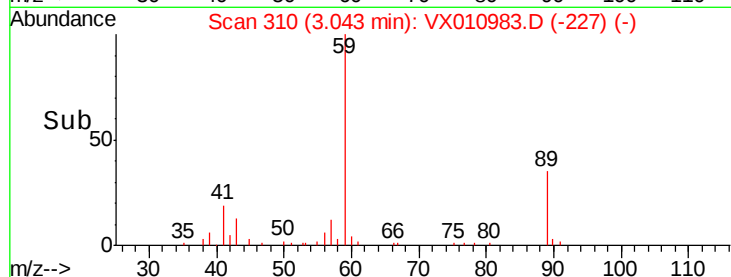
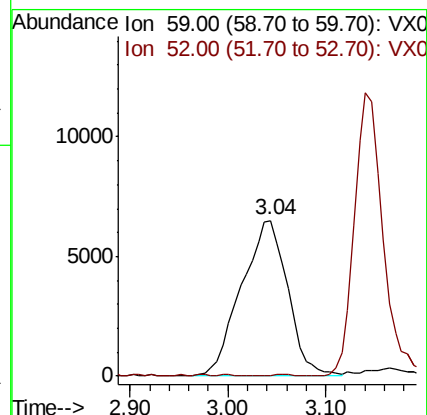
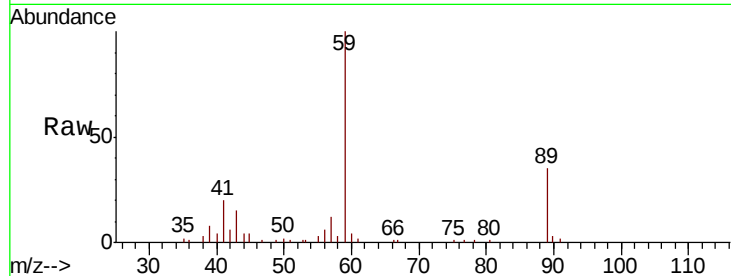
LOQ-WATER-02-QT3-2019

Tot Ion: 59 Resp: 21434

Ion Ratio Lower Upper

59 100

52 0.4 0.2 0.4#



#24

Methyl tert-Butyl Ether

Concen: 4.914 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX010983.D

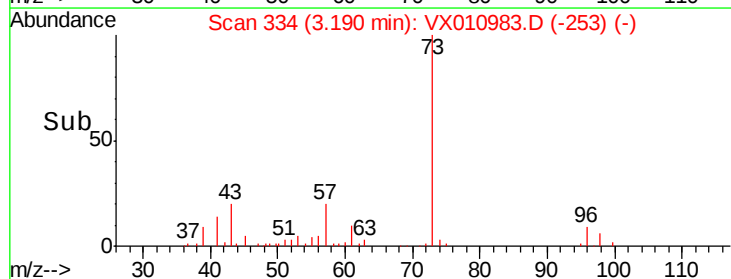
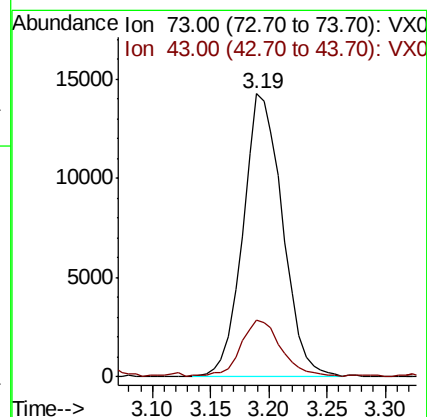
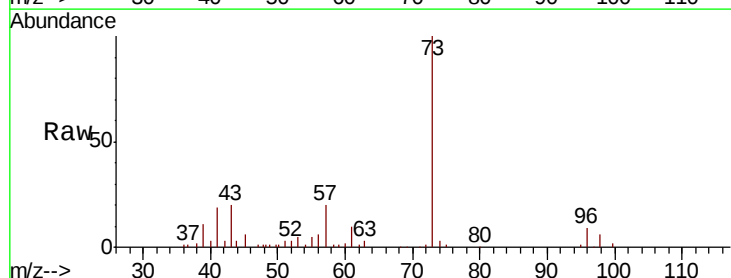
Acq: 19 Jul 2019 01:28

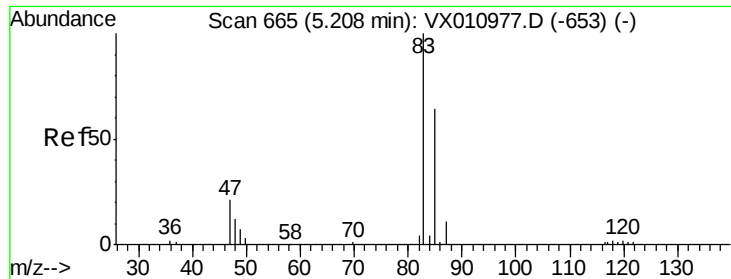
Tgt Ion: 73 Resp: 33763

Ion Ratio Lower Upper

73 100

43 20.8 15.8 23.6

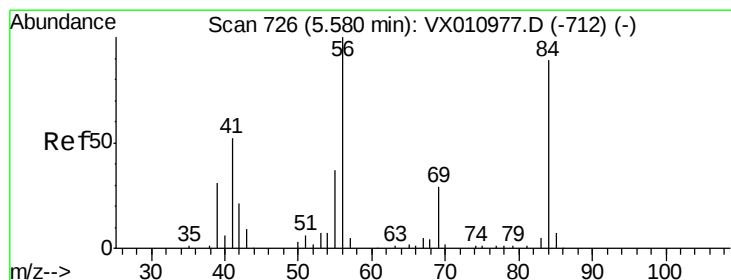
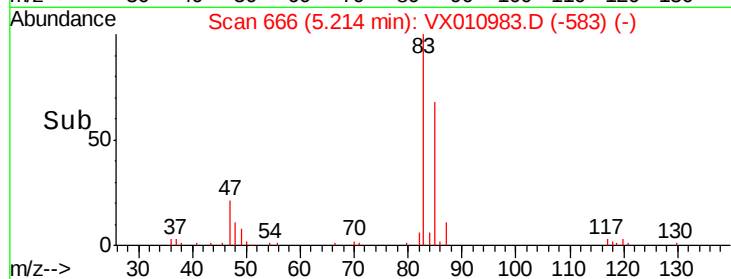
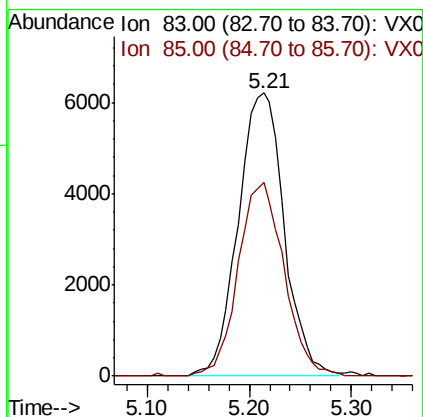
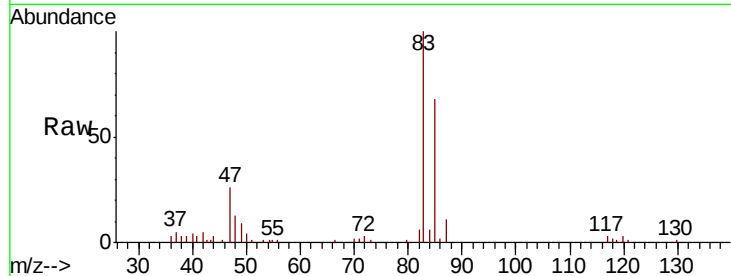




#25
Chloroform
Concen: 4.722 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

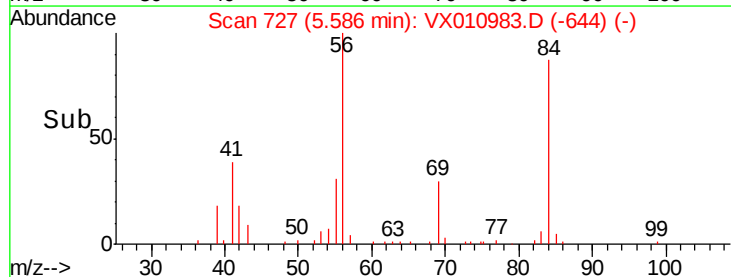
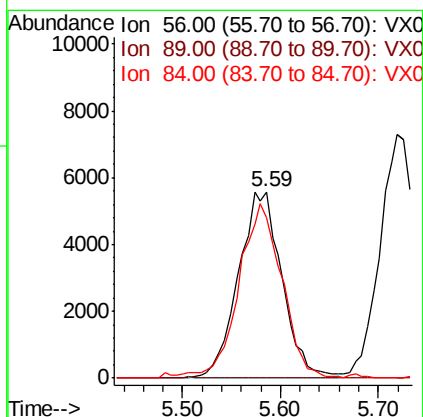
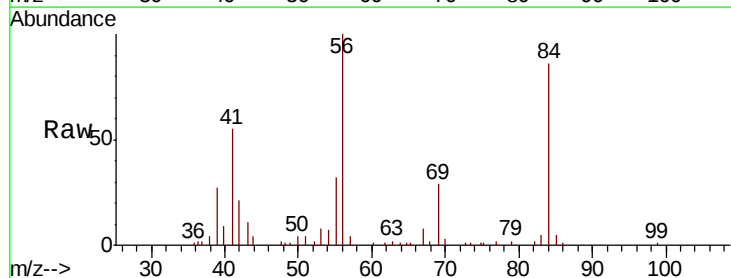
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

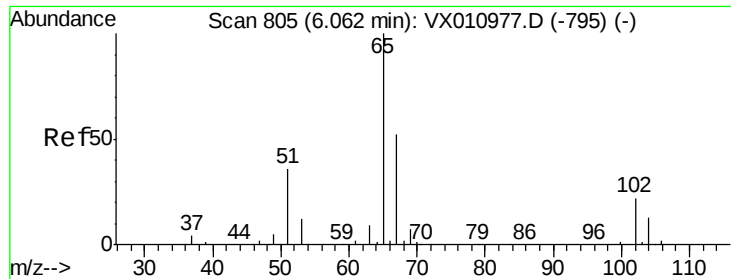
Tot Ion: 83 Resp: 19471
Ion Ratio Lower Upper
83 100
85 68.5 50.9 76.3



#26
Cyclohexane
Concen: 5.010 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 56 Resp: 17258
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 91.0 73.0 109.4





#27

1,2-Dichloroethane-d4

Concen: 29.812 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

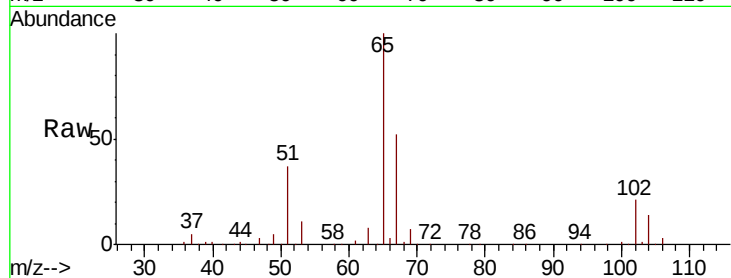
LOQ-WATER-02-QT3-2019

Tot Ion: 65 Resp: 77355

Ion Ratio Lower Upper

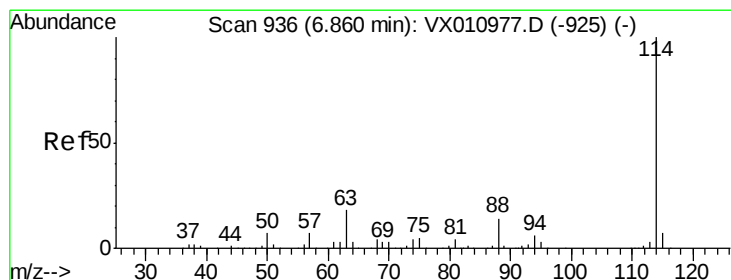
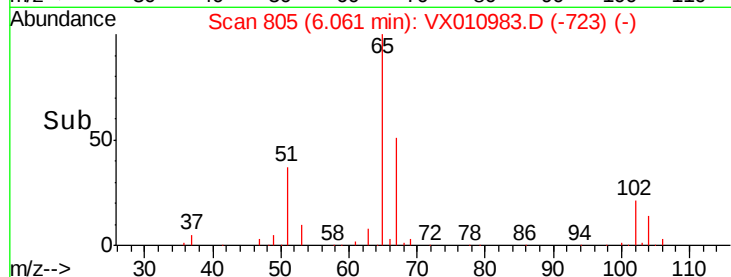
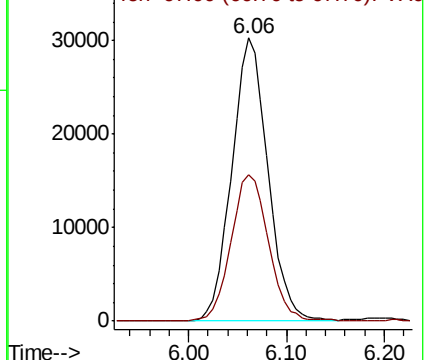
65 100

67 53.6 41.7 62.5



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: VX010983.D

Acq: 19 Jul 2019 01:28

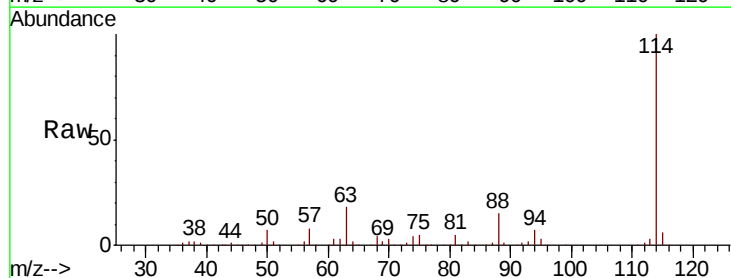
Tgt Ion: 114 Resp: 214024

Ion Ratio Lower Upper

114 100

63 18.4 14.6 22.0

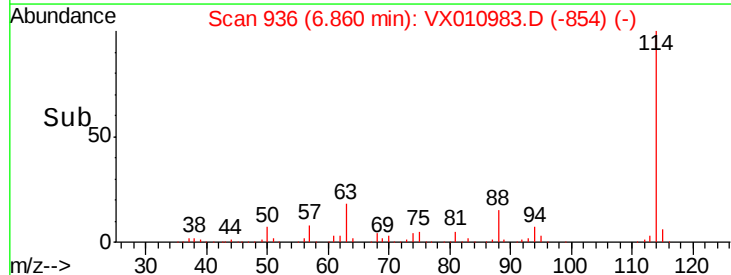
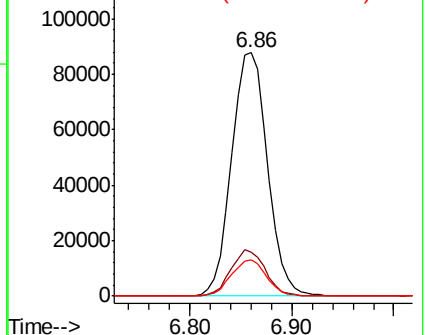
88 14.7 11.8 17.8

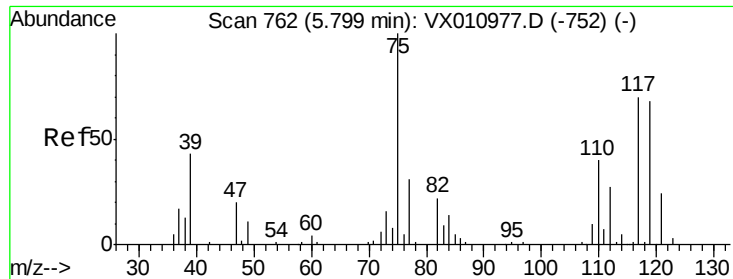


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

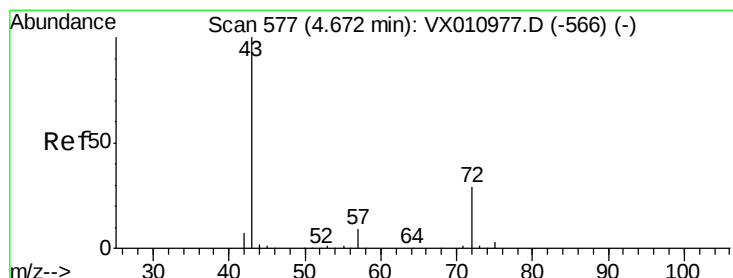
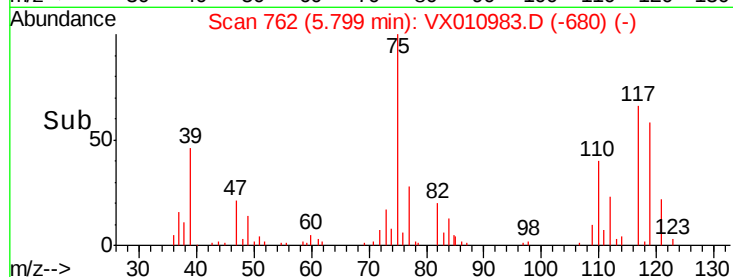
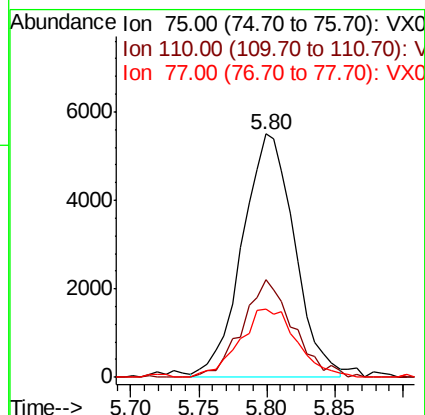
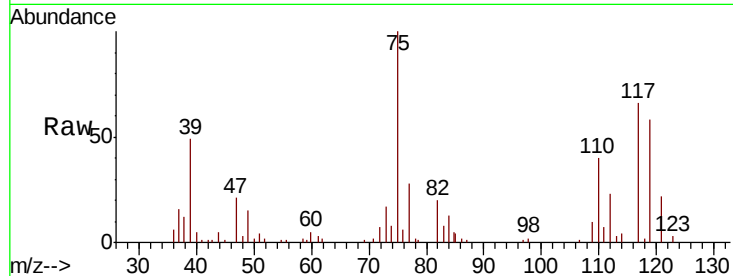




#29
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

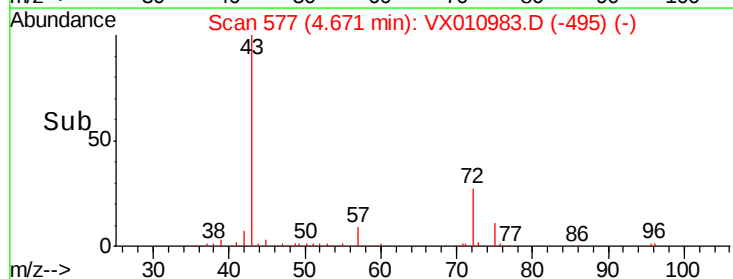
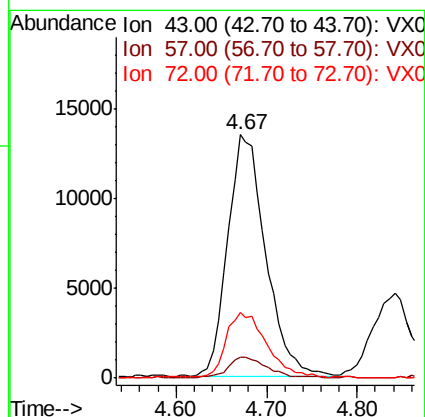
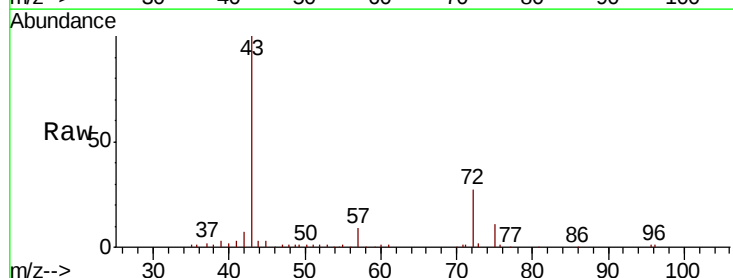
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

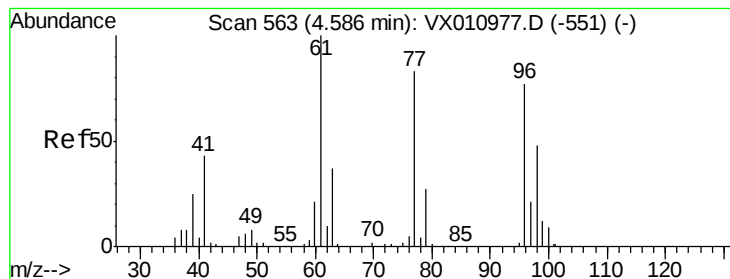
Tot Ion: 75 Resp: 14742
 Ion Ratio Lower Upper
 75 100
 110 37.9 0.0 79.8
 77 19.3 0.0 62.2



#30
 2-Butanone
 Concen: 24.248 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 39395
 Ion Ratio Lower Upper
 43 100
 57 8.8 6.8 10.2
 72 29.0 23.2 34.8





#31

2,2-Dichloropropane

Concen: 2.377 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

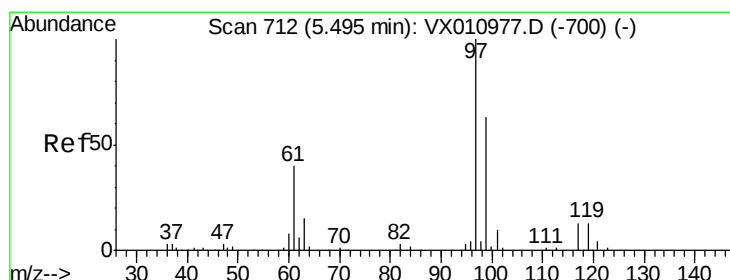
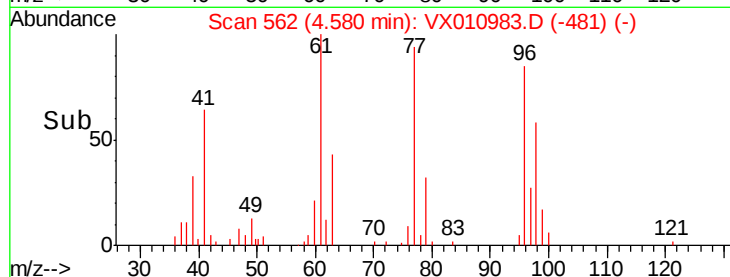
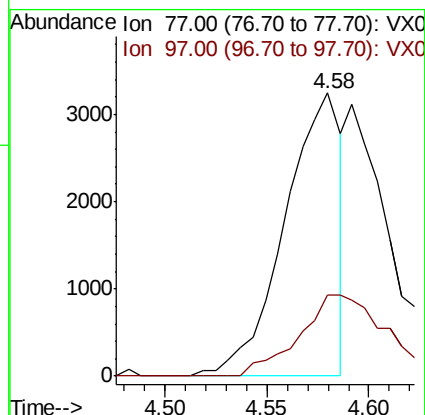
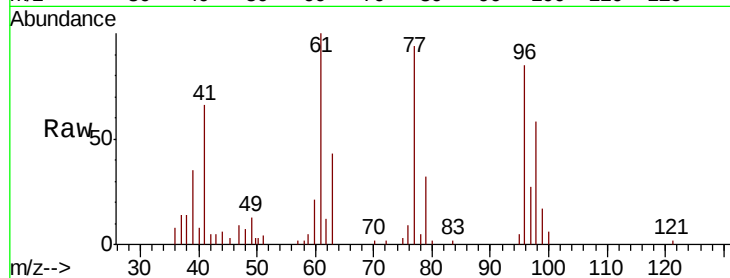
LOQ-WATER-02-QT3-2019

Tot Ion: 77 Resp: 6244

Ion Ratio Lower Upper

77 100

97 44.1 20.9 31.3#



#32

1,1,1-Trichloroethane

Concen: 4.477 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

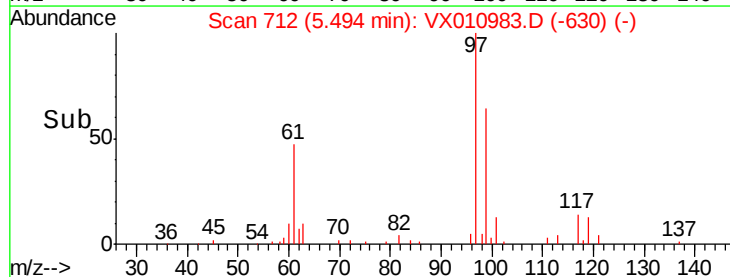
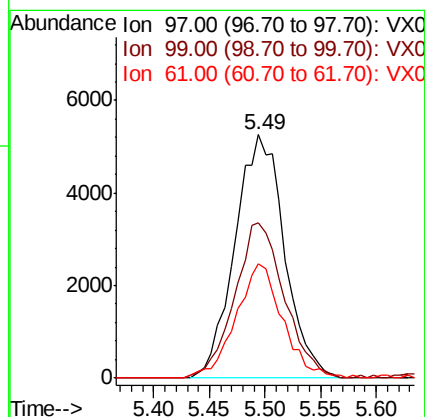
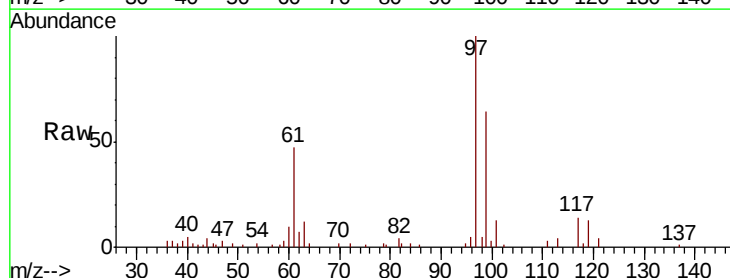
Tgt Ion: 97 Resp: 16249

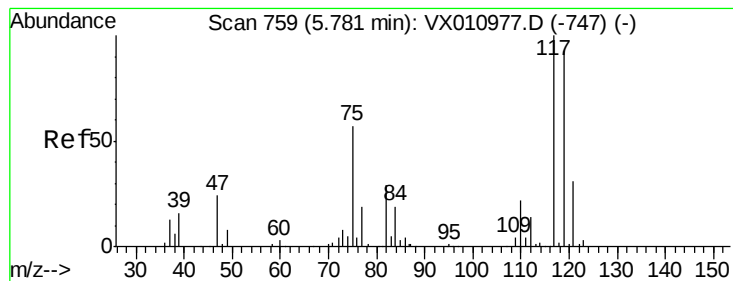
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 43.5 34.3 51.5





#33

Carbon Tetrachloride

Concen: 4.325 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

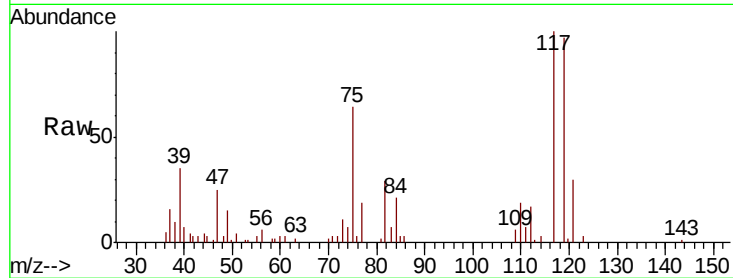
Tot Ion:117 Resp: 13650

Ion Ratio Lower Upper

117 100

119 96.1 74.3 111.5

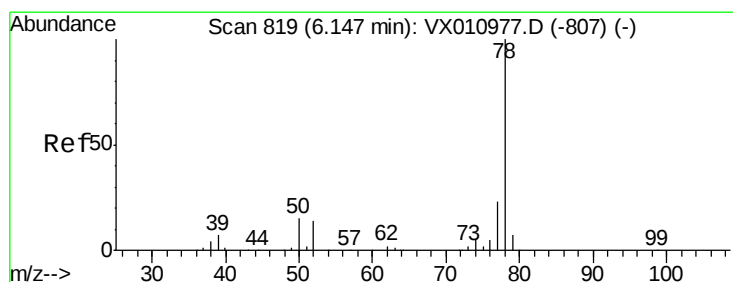
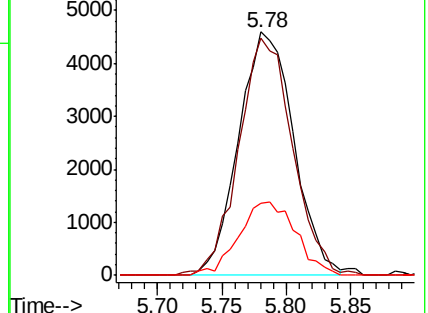
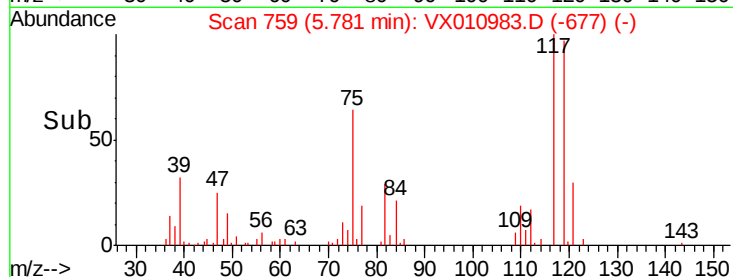
121 29.7 24.9 37.3



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: 4.884 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

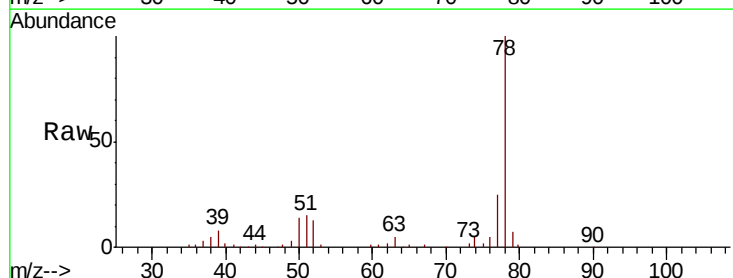
Tgt Ion: 78 Resp: 44093

Ion Ratio Lower Upper

78 100

77 25.0 18.2 27.4

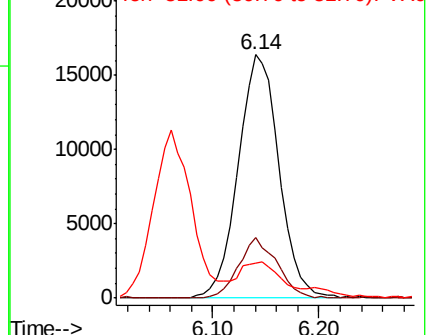
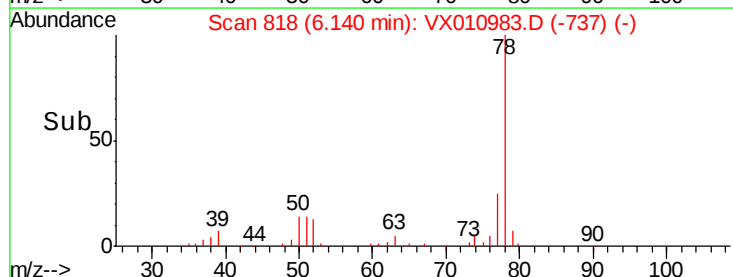
51 12.9 11.4 17.2

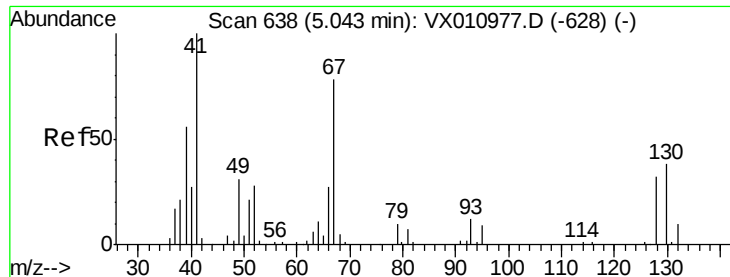


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

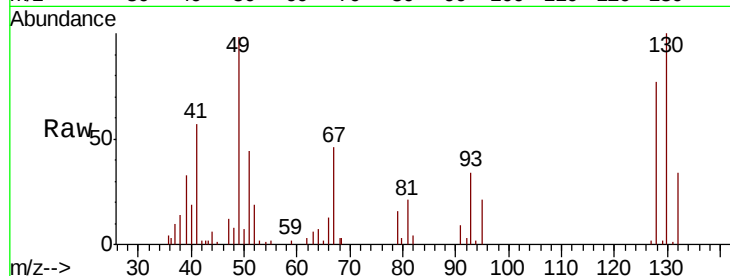




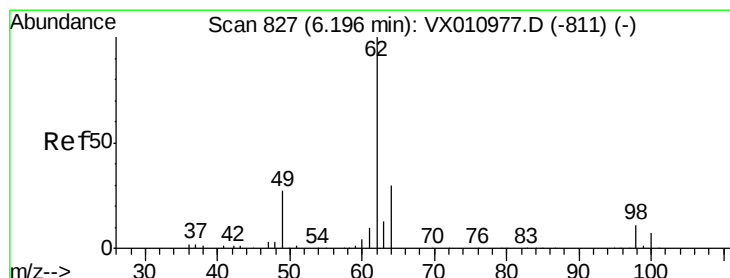
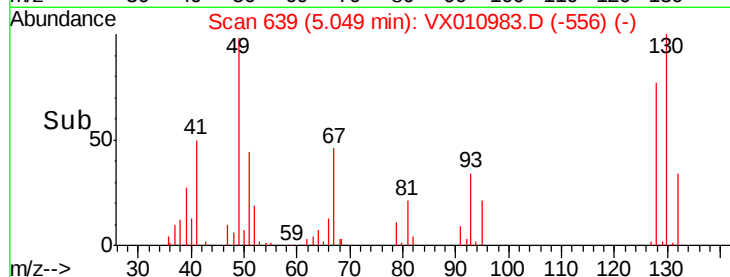
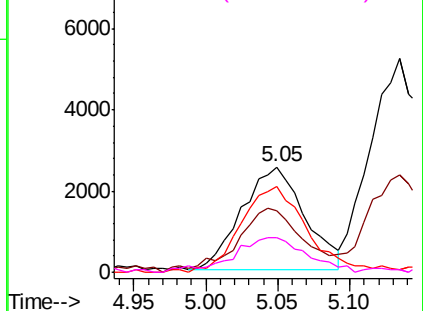
#35
Methacrylonitrile
Concen: 4.501 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:	41	Resp:	7613
Ion	Ratio	Lower	Upper
41	100		
39	56.3	27.6	82.8
67	83.6	39.1	117.2
52	29.3	14.0	42.0

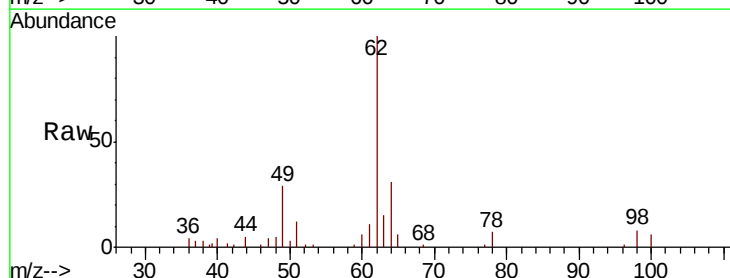


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

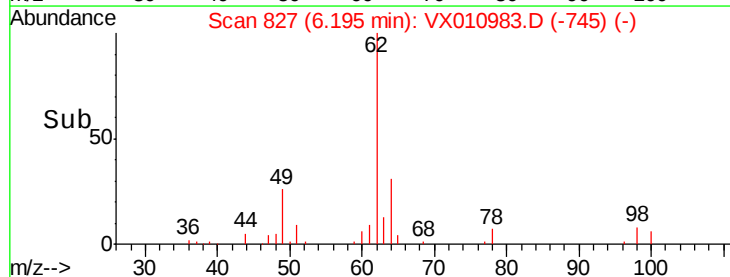
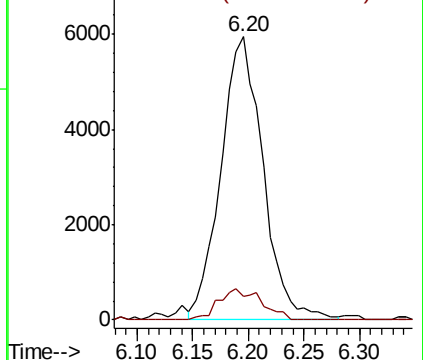


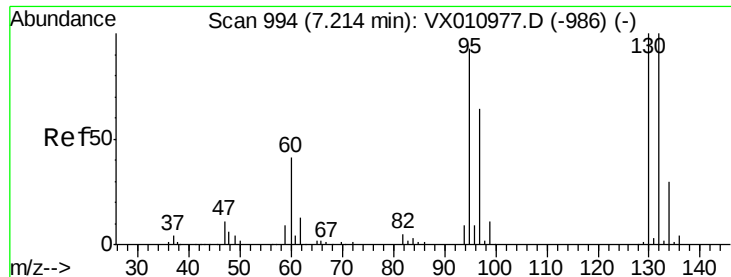
#36
1,2-Dichloroethane
Concen: 4.845 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion:	62	Resp:	15642
Ion	Ratio	Lower	Upper
62	100		
98	5.3	8.0	12.0#



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

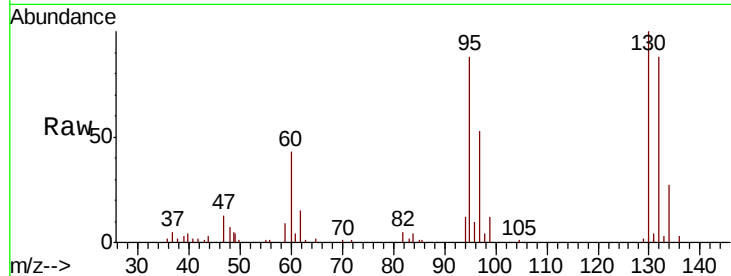




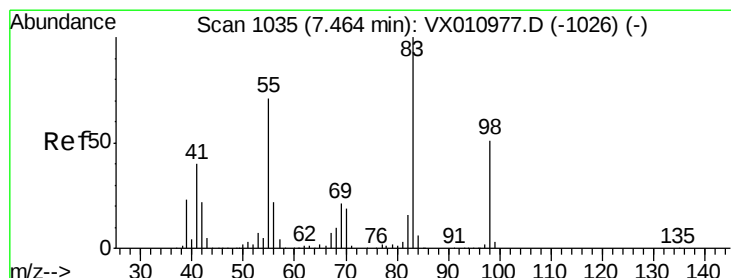
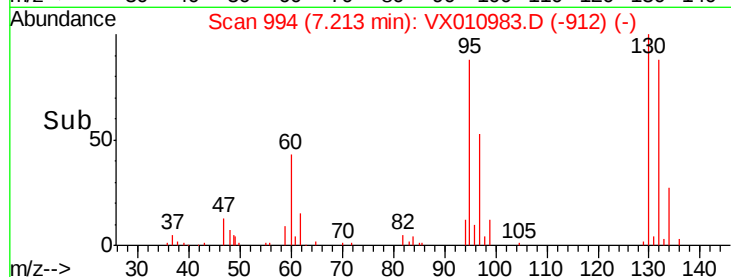
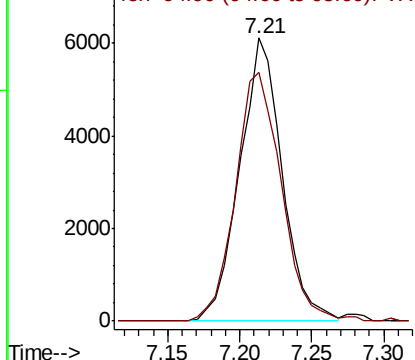
#37
 Trichloroethene
 Concen: 4.724 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:130 Resp: 12486
 Ion Ratio Lower Upper
 130 100
 95 88.0 74.1 111.1

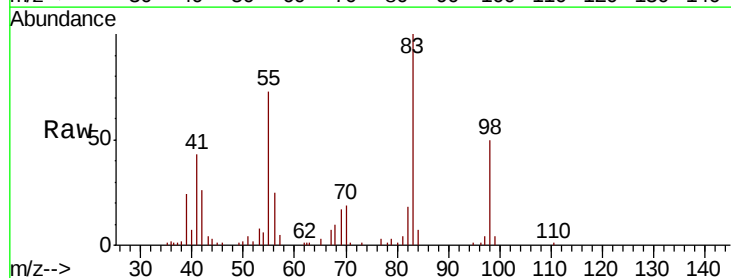


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

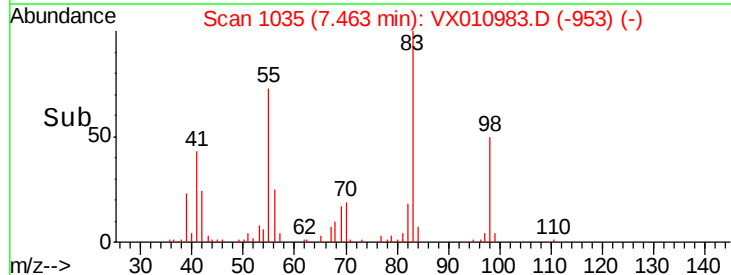
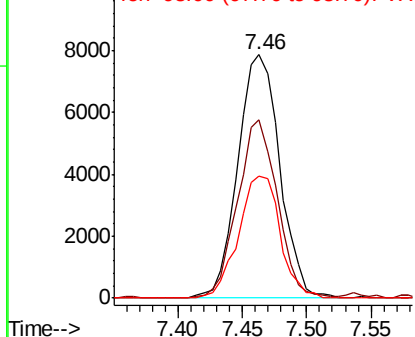


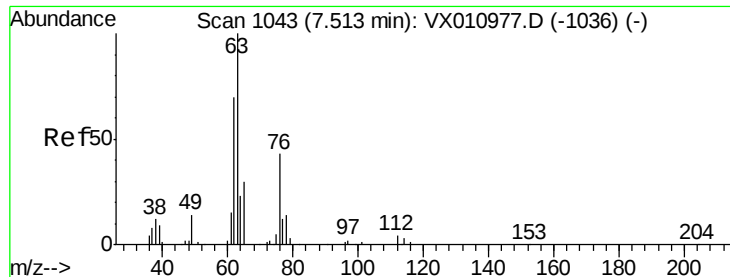
#38
 Methylcyclohexane
 Concen: 4.679 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 83 Resp: 17772
 Ion Ratio Lower Upper
 83 100
 55 69.7 35.3 105.9
 98 49.6 24.0 72.0



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: 4.725 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

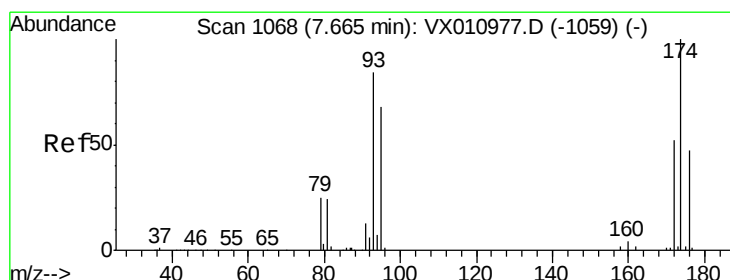
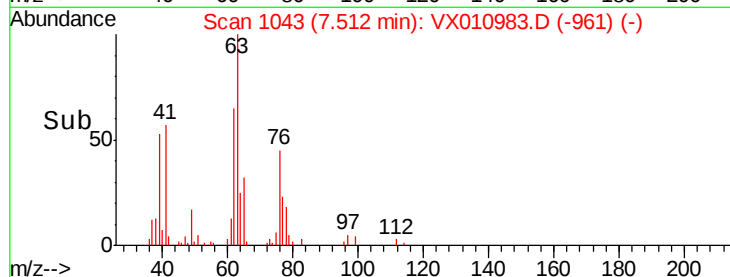
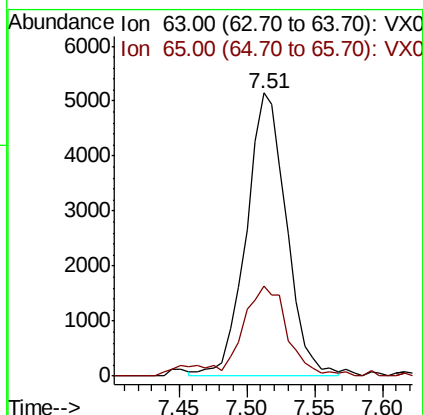
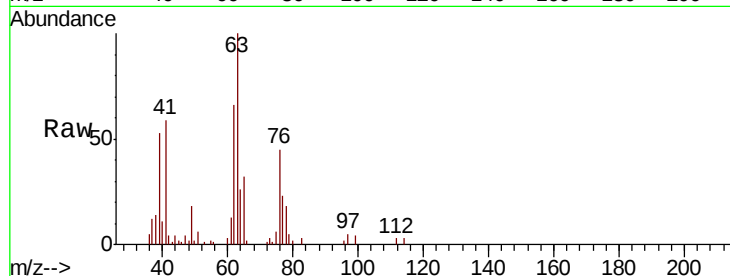
LOQ-WATER-02-QT3-2019

Tot Ion: 63 Resp: 10662

Ion Ratio Lower Upper

63 100

65 31.3 25.6 38.4



#40

Dibromomethane

Concen: 4.765 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

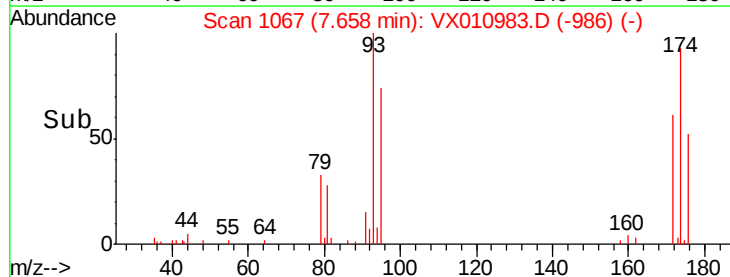
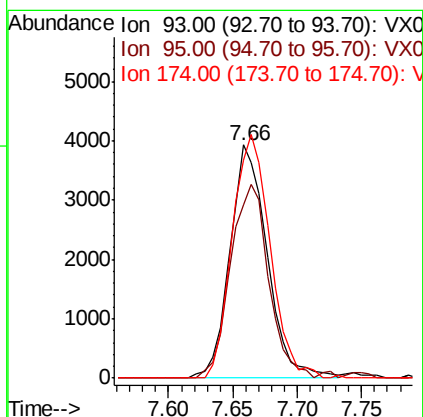
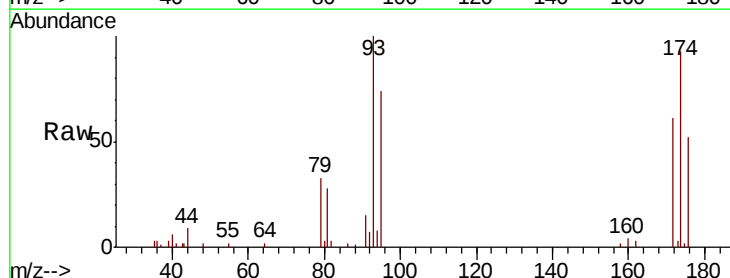
Tgt Ion: 93 Resp: 7909

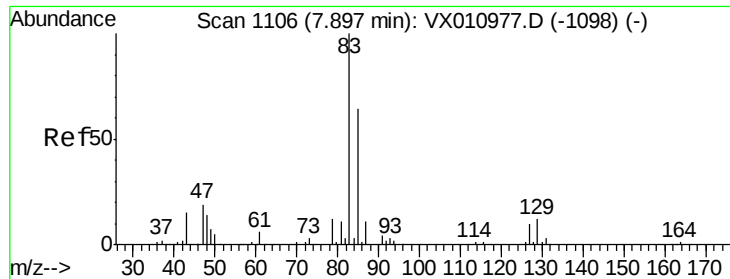
Ion Ratio Lower Upper

93 100

95 85.0 0.0 166.0

174 104.8 0.0 229.2





#41

Bromodichloromethane

Concen: 4.210 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

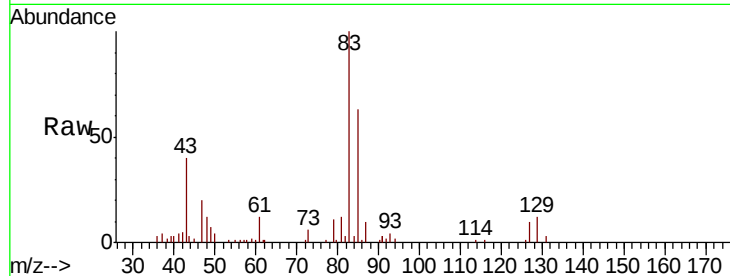
Tot Ion: 83 Resp: 12719

Ion Ratio Lower Upper

83 100

85 62.6 50.9 76.3

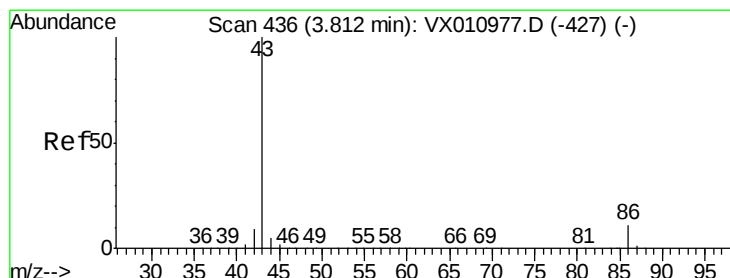
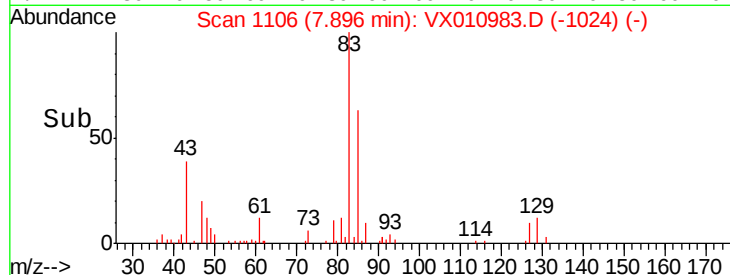
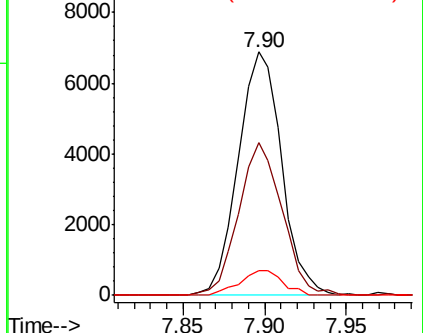
127 10.4 7.7 11.5



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: 20.819 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010983.D

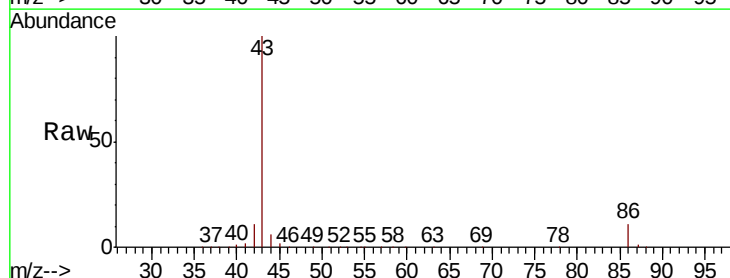
Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 111439

Ion Ratio Lower Upper

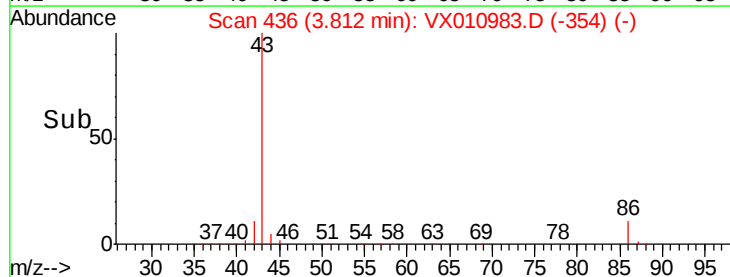
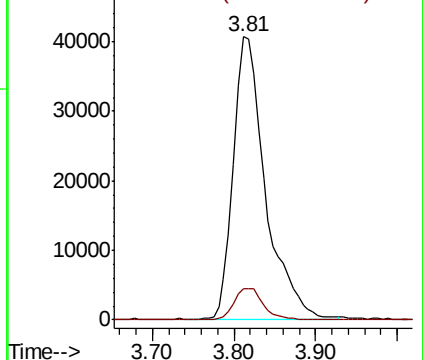
43 100

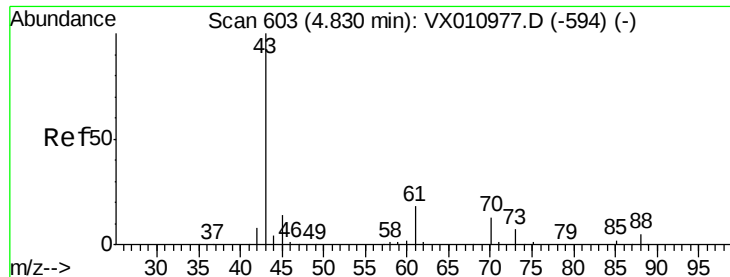
86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 4.291 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

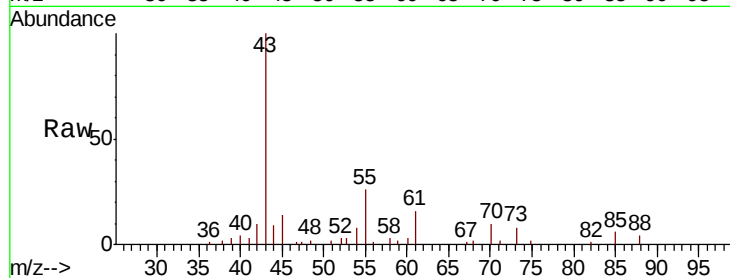
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 13381

Ion Ratio Lower Upper

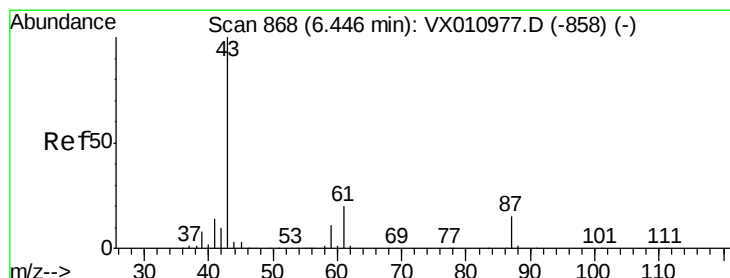
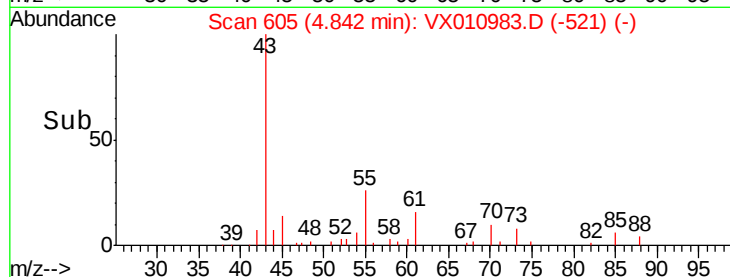
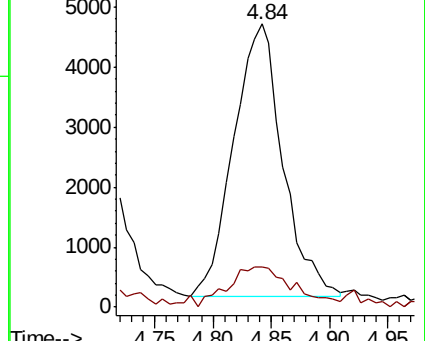
43 100

45 19.7 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 4.218 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010983.D

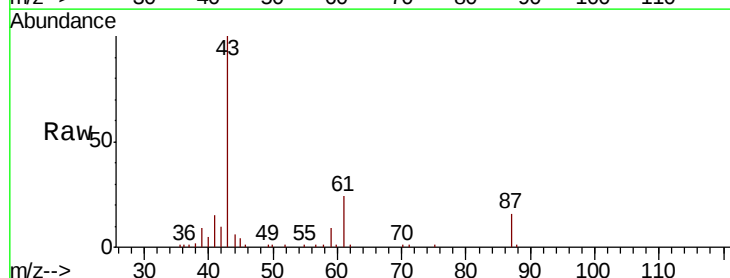
Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 21427

Ion Ratio Lower Upper

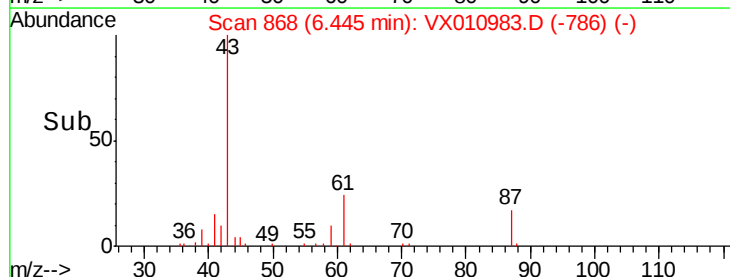
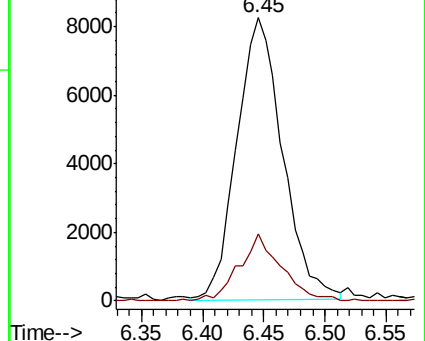
43 100

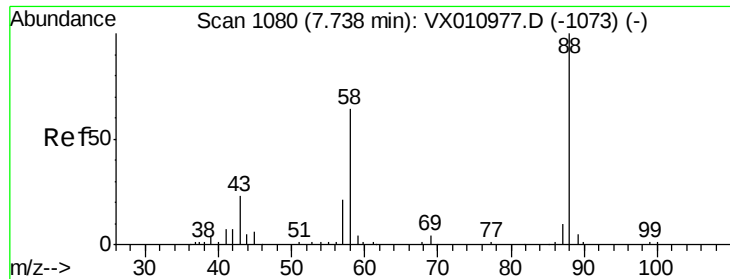
61 19.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 97.633 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

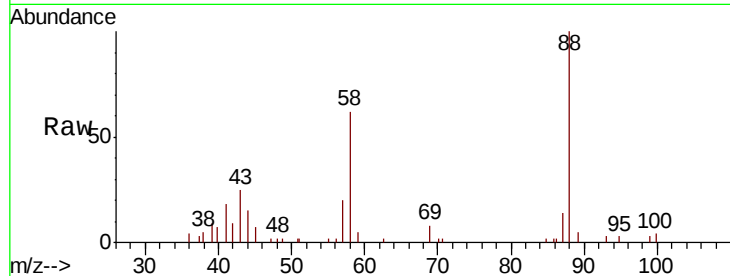
Tot Ion: 88 Resp: 6455

Ion Ratio Lower Upper

88 100

43 19.6 21.6 32.4#

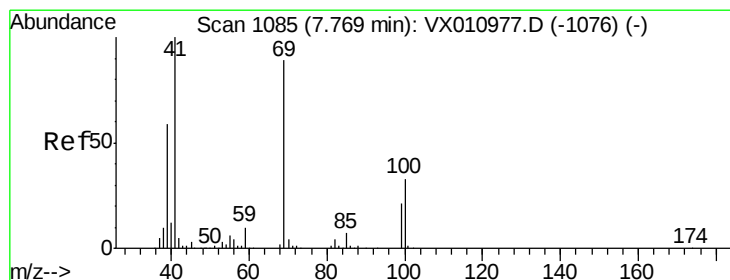
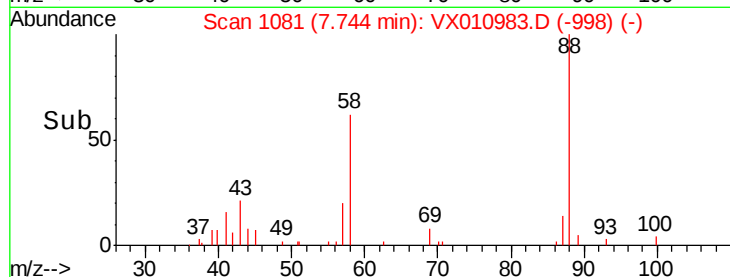
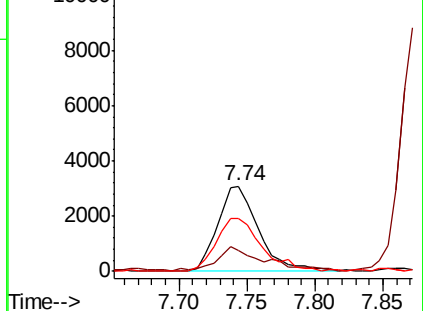
58 63.7 52.2 78.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 4.291 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

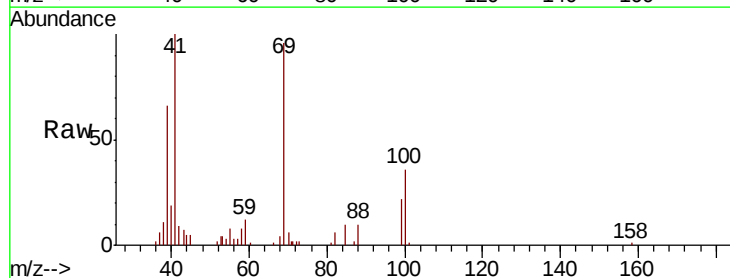
Tgt Ion: 41 Resp: 10581

Ion Ratio Lower Upper

41 100

69 97.5 44.7 134.1

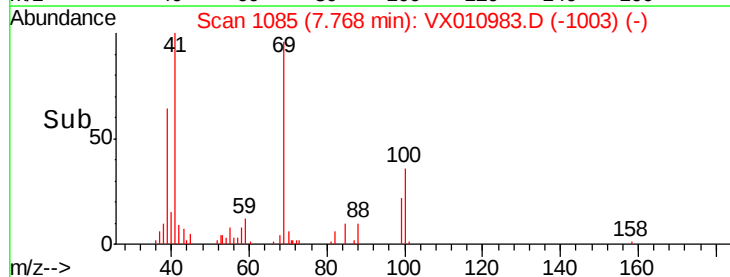
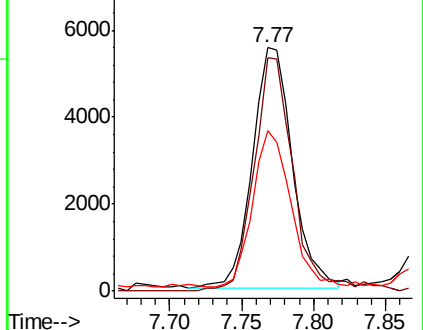
39 64.0 29.4 88.2

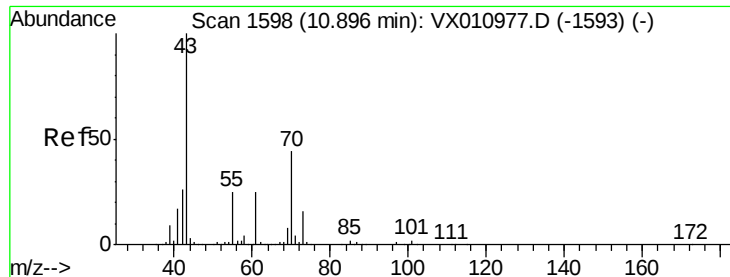


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 3.594 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

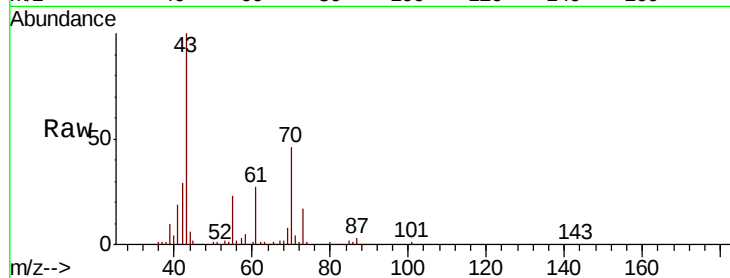
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 16372

Ion Ratio Lower Upper

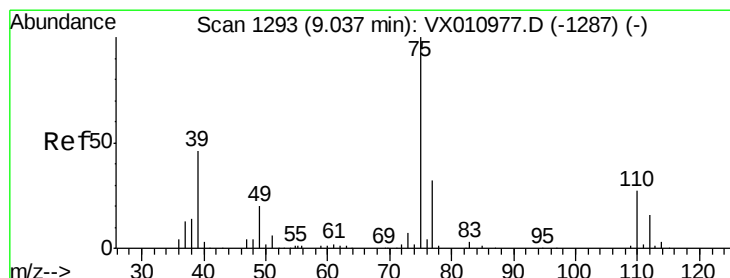
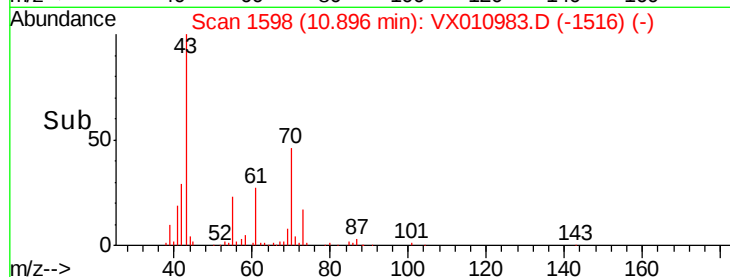
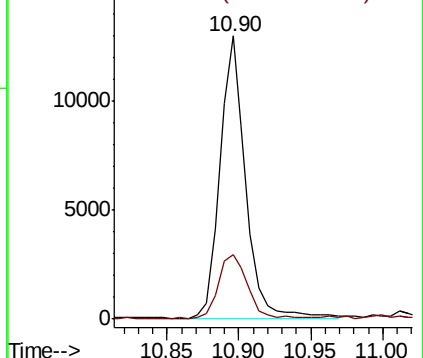
43 100

55 25.4 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 3.848 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010983.D

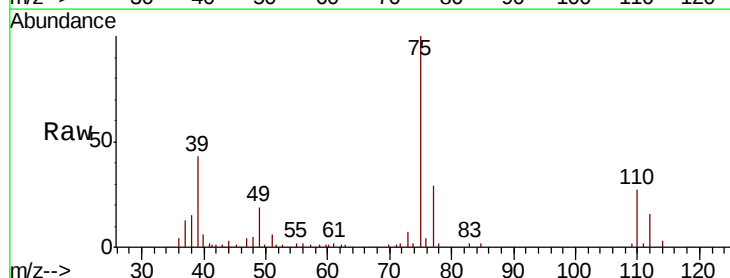
Acq: 19 Jul 2019 01:28

Tgt Ion: 75 Resp: 12252

Ion Ratio Lower Upper

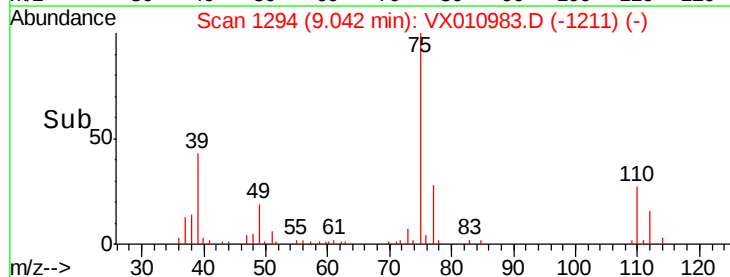
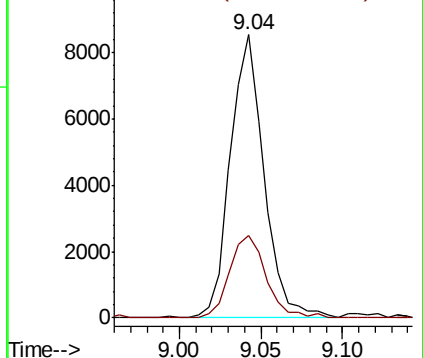
75 100

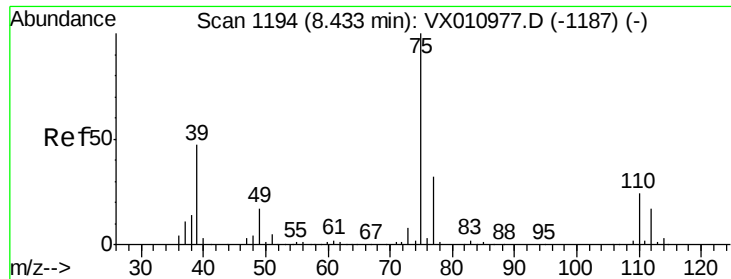
77 28.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

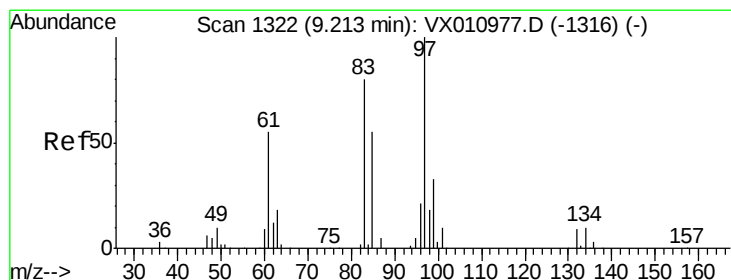
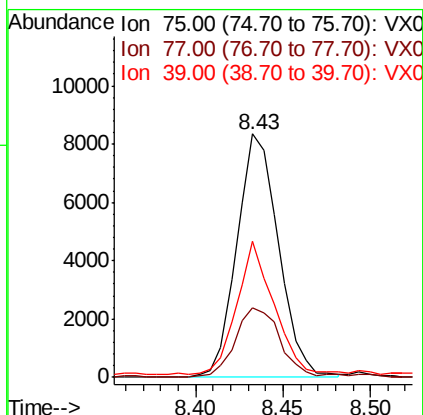
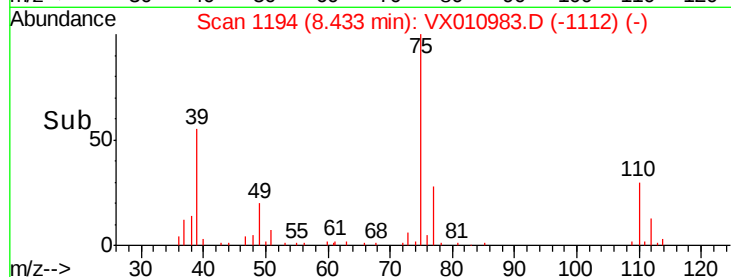
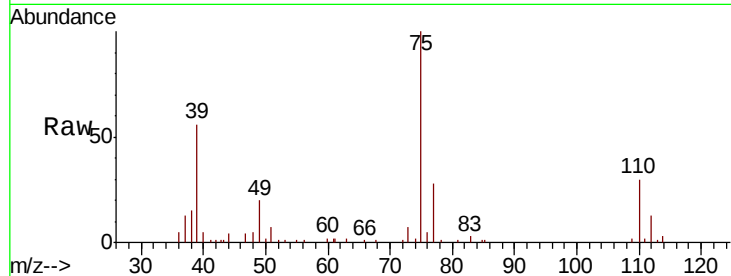




#49
 cis-1,3-Dichloropropene
 Concen: 3.980 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

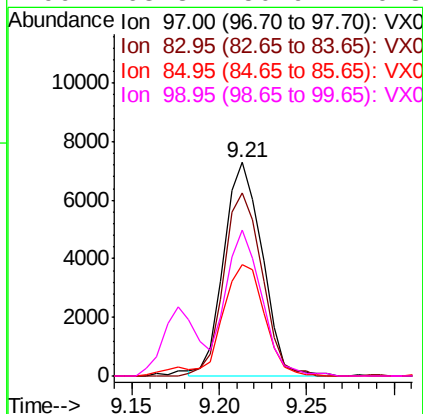
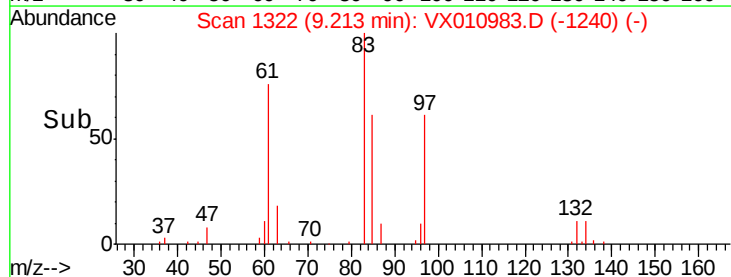
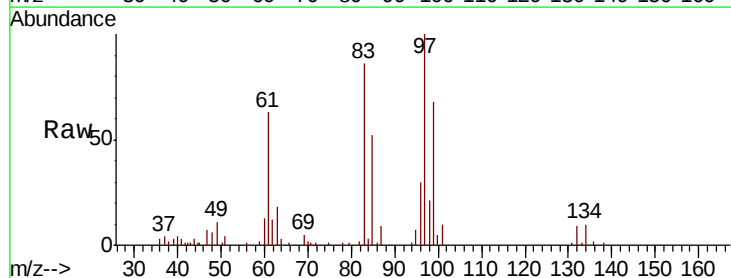
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

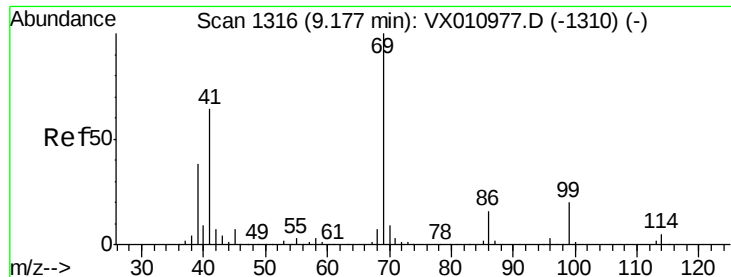
Tot Ion: 75 Resp: 13828
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.3 37.9
 39 54.7 37.8 56.6



#50
 1,1,2-Trichloroethane
 Concen: 4.592 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 97 Resp: 11154
 Ion Ratio Lower Upper
 97 100
 83 85.9 63.9 95.9
 85 51.9 43.4 65.2
 99 68.3 50.9 76.3





#51

Ethyl methacrylate

Concen: 4.431 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

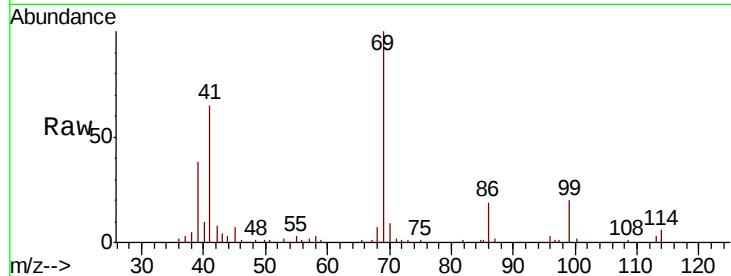
Tot Ion: 69 Resp: 16645

Ion Ratio Lower Upper

69 100

41 64.4 32.1 96.3

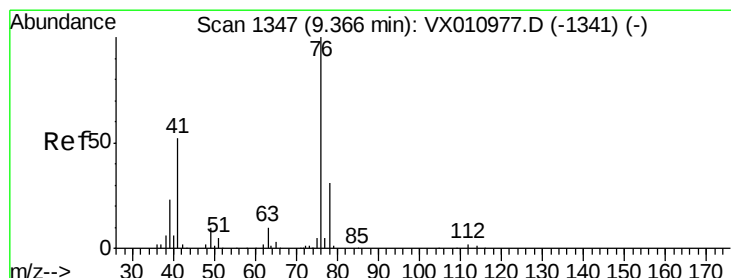
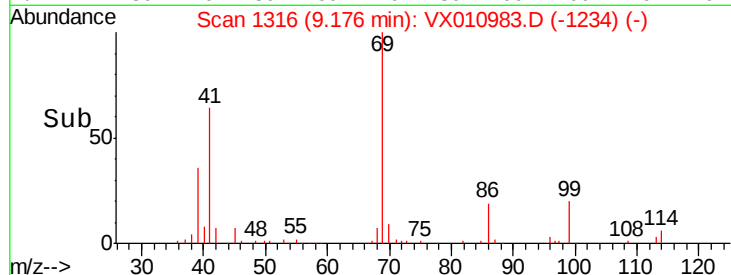
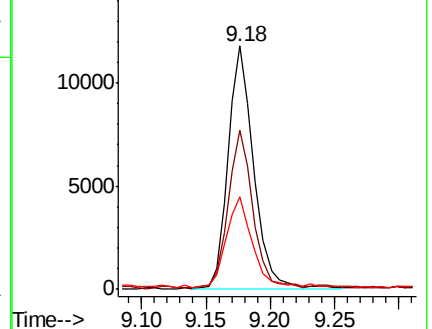
39 37.5 19.1 57.3



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: 4.659 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX010983.D

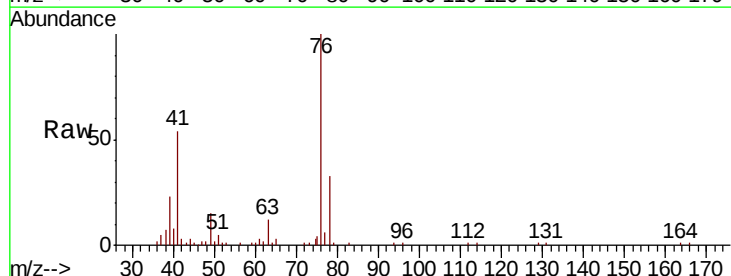
Acq: 19 Jul 2019 01:28

Tgt Ion: 76 Resp: 18186

Ion Ratio Lower Upper

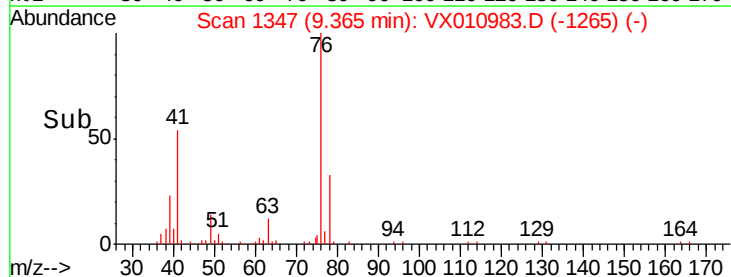
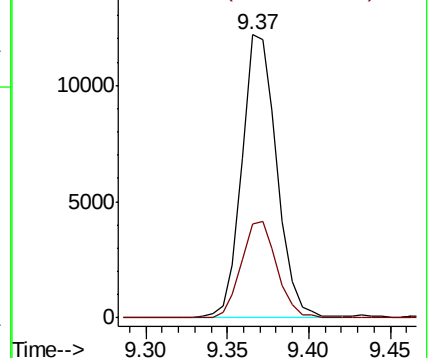
76 100

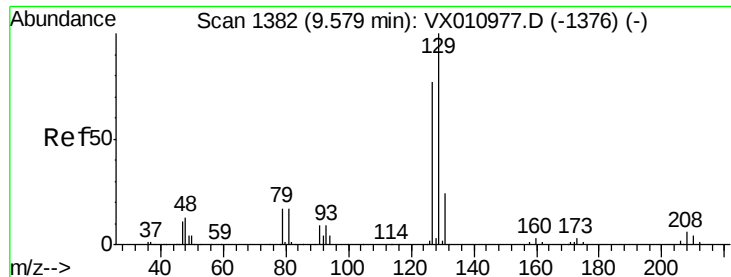
78 34.4 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 3.740 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

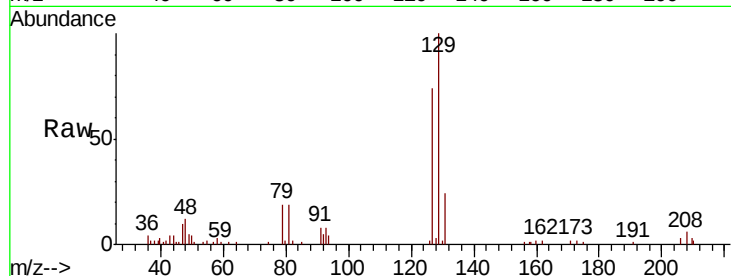
LOQ-WATER-02-QT3-2019

Tot Ion:129 Resp: 9812

Ion Ratio Lower Upper

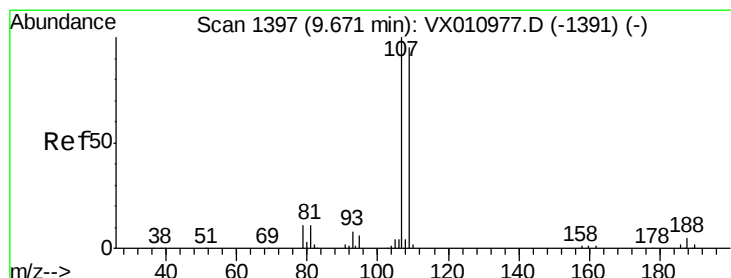
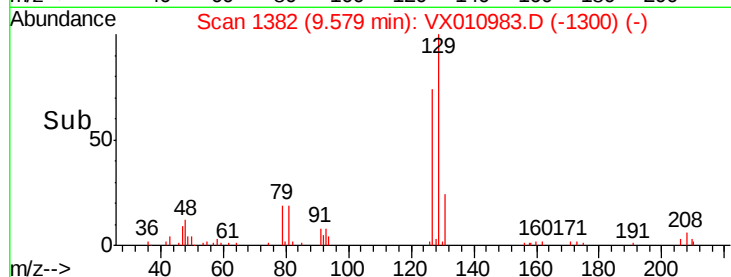
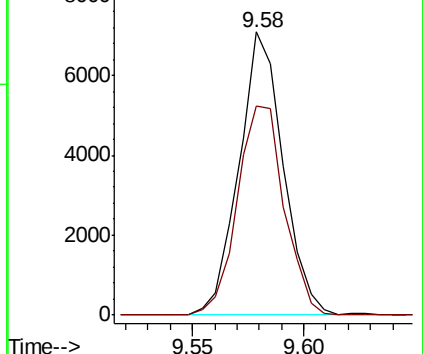
129 100

127 78.3 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.493 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010983.D

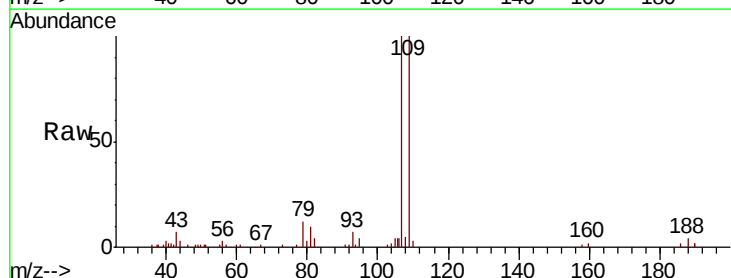
Acq: 19 Jul 2019 01:28

Tgt Ion:107 Resp: 11861

Ion Ratio Lower Upper

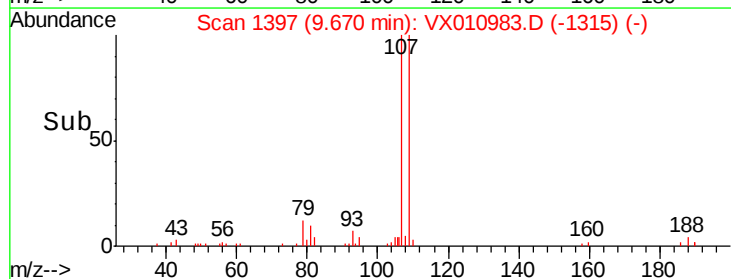
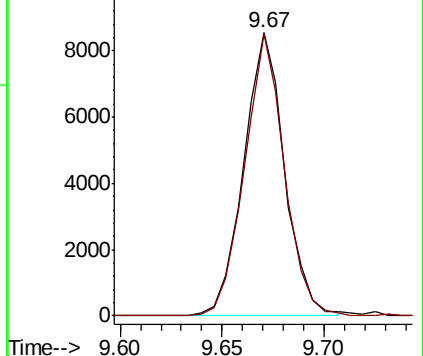
107 100

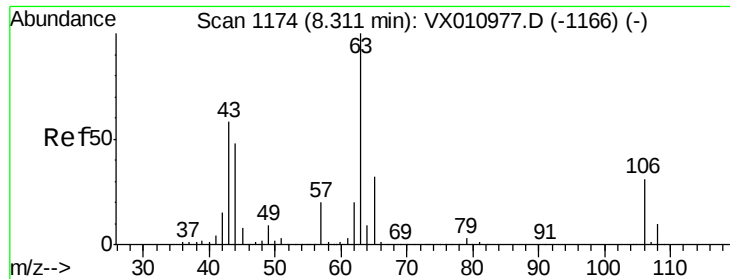
109 96.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

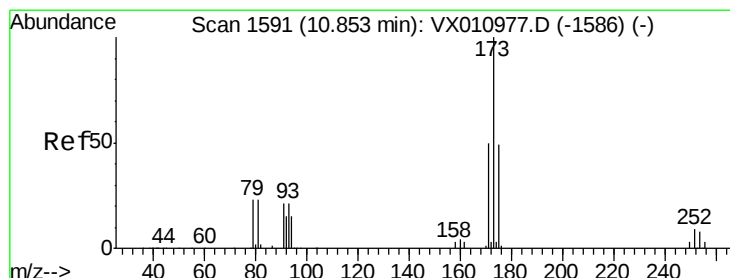
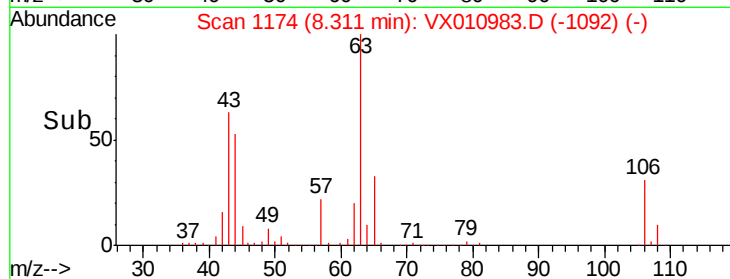
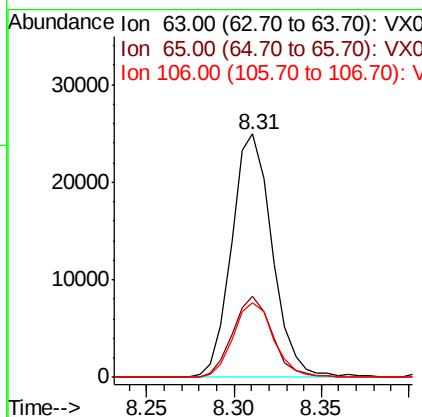
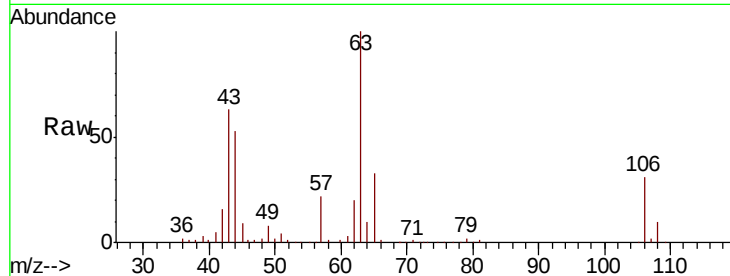




#55
2-Chloroethyl vinyl ether
Concen: 25.276 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

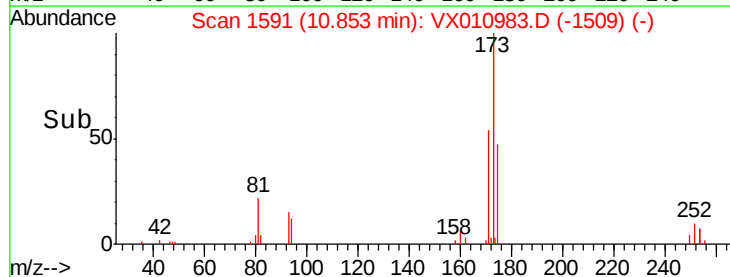
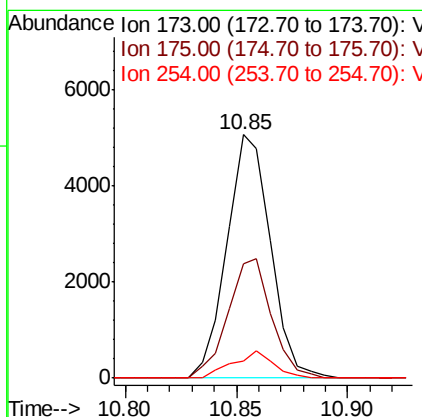
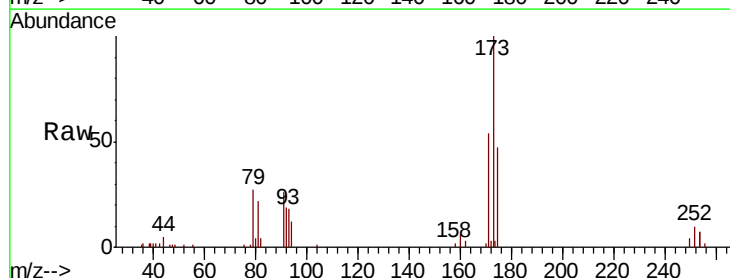
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

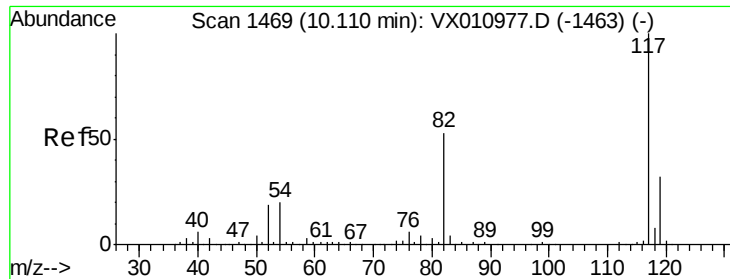
Tot Ion: 63 Resp: 40213
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 30.6 24.8 37.2



#56
Bromoform
Concen: 3.529 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion:173 Resp: 6896
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.6
254 10.2 7.9 11.9

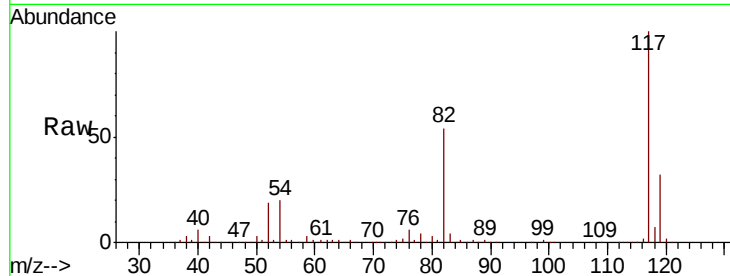




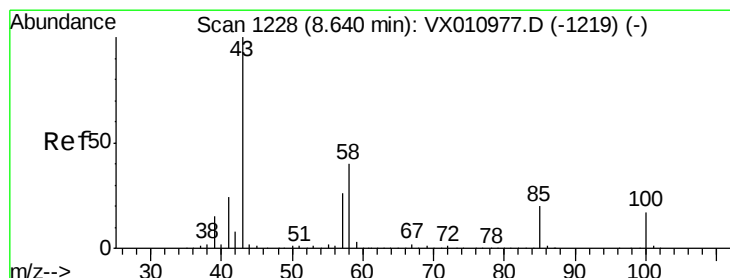
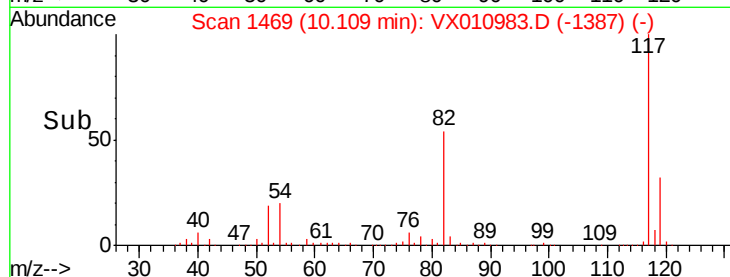
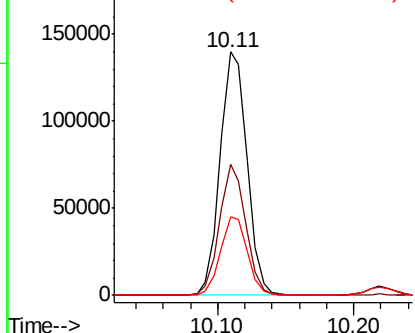
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:117 Resp: 191176
Ion Ratio Lower Upper
117 100
82 52.2 41.6 62.4
119 32.3 26.0 39.0

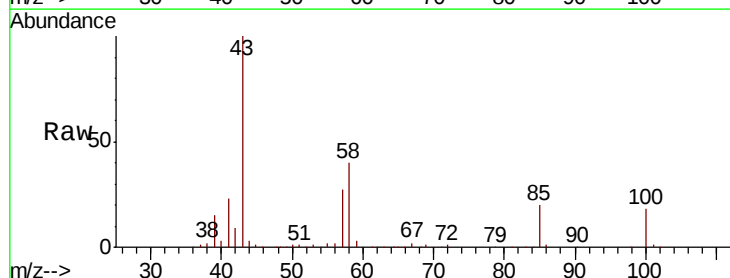


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

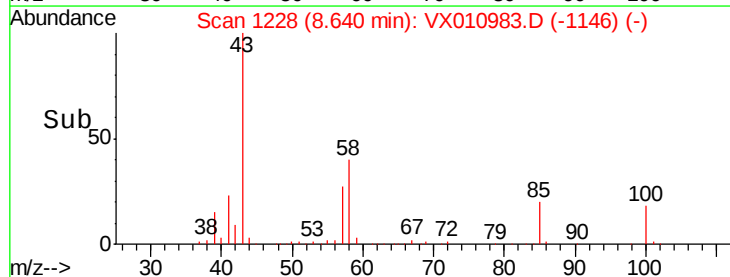
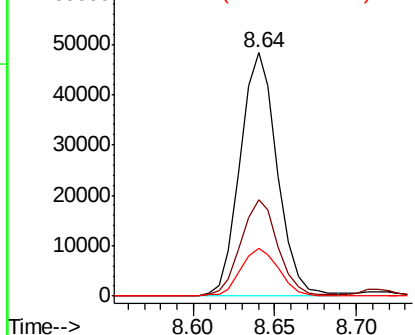


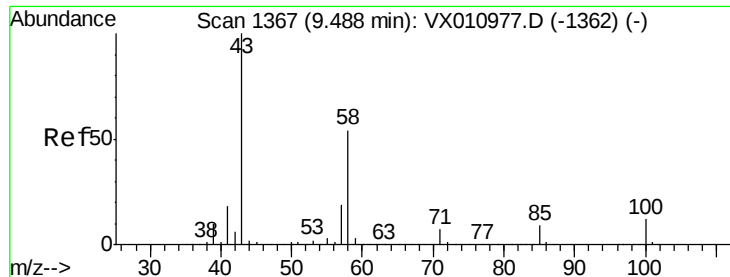
#58
4-Methyl-2-Pentanone
Concen: 23.757 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 43 Resp: 76704
Ion Ratio Lower Upper
43 100
58 39.6 32.6 48.8
85 20.0 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

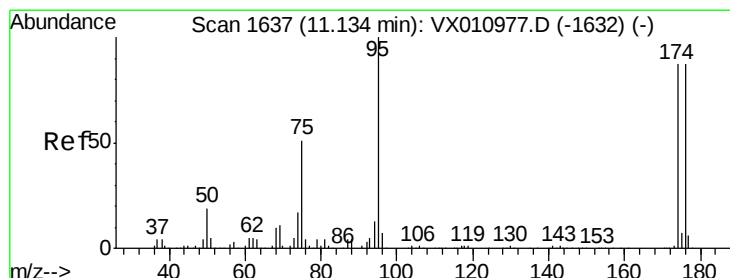
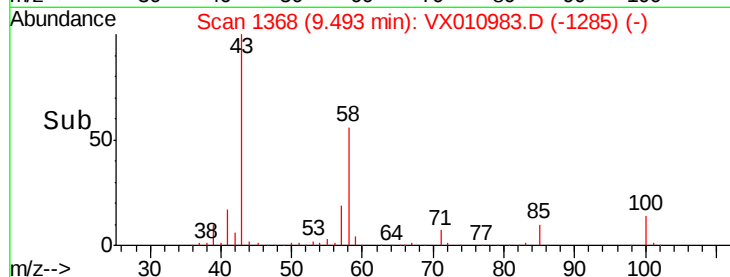
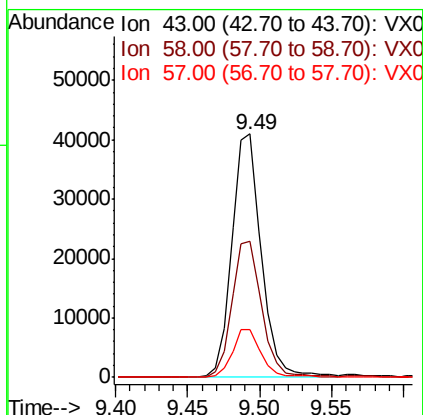
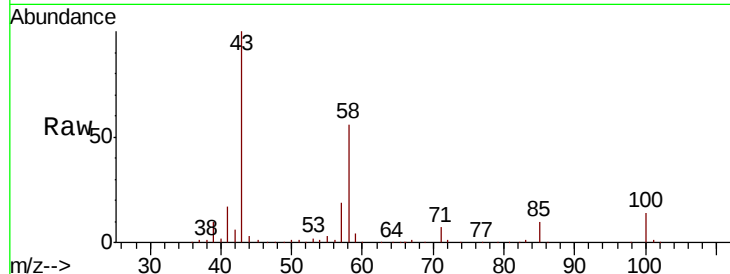




#59
2-Hexanone
Concen: 23.789 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

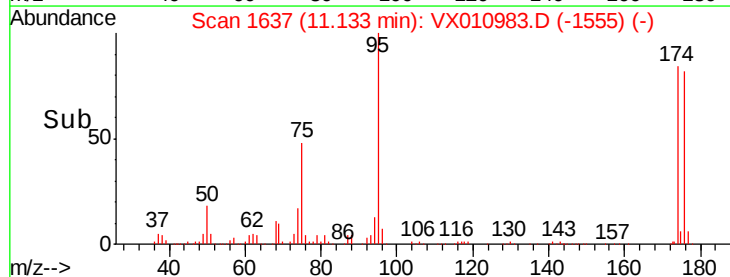
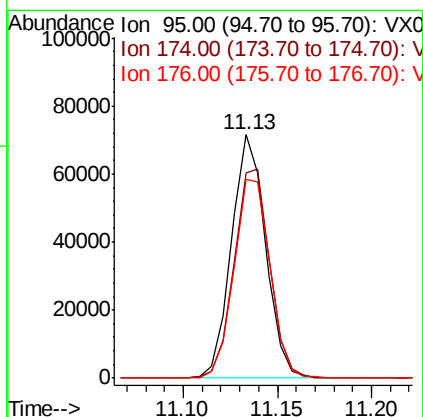
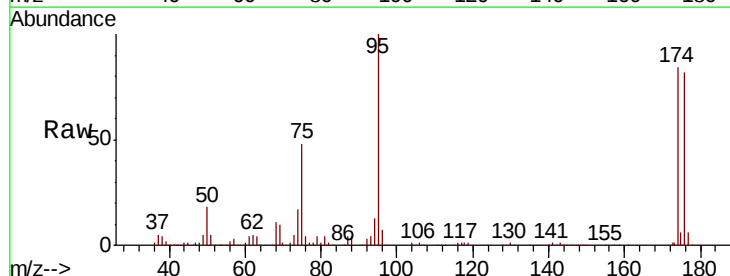
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

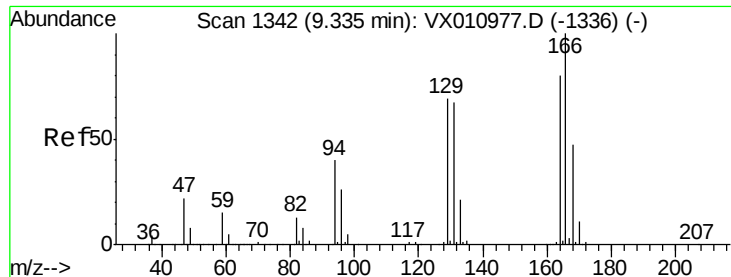
Tot Ion: 43 Resp: 58773
Ion Ratio Lower Upper
43 100
58 56.0 44.7 67.1
57 19.0 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 28.449 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 95 Resp: 89517
Ion Ratio Lower Upper
95 100
174 90.0 73.3 109.9
176 86.8 71.2 106.8





#61

Tetrachloroethene

Concen: 5.158 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:164 Resp: 13019

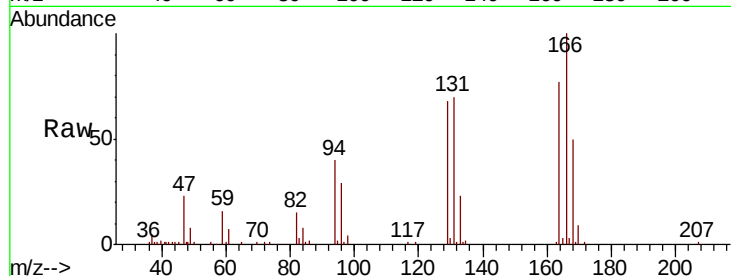
Ion Ratio Lower Upper

164 100

166 129.7 100.1 150.1

129 88.3 69.6 104.4

131 91.1 67.0 100.6

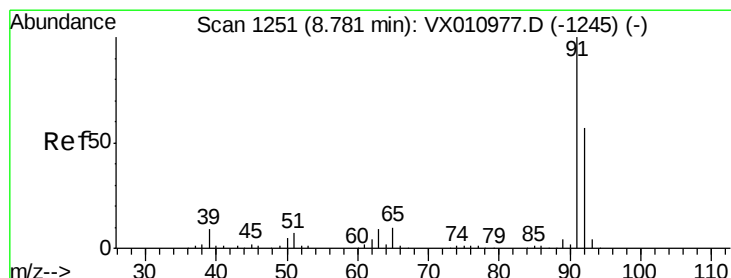
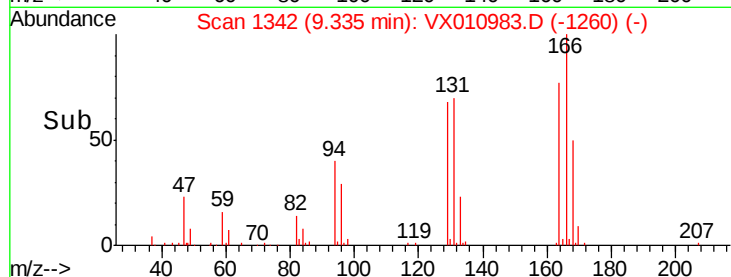
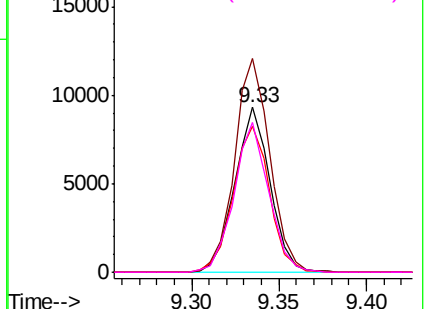


Abundance Ion 163.85 (163.55 to 164.55): V

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: 4.852 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010983.D

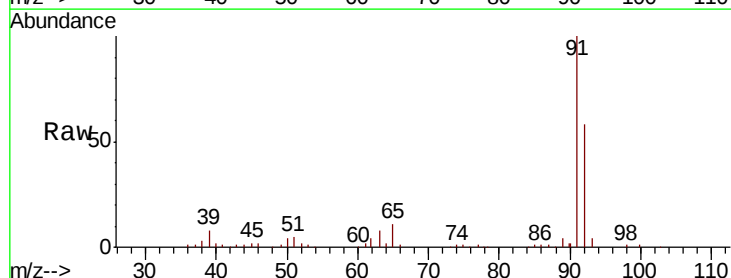
Acq: 19 Jul 2019 01:28

Tgt Ion: 91 Resp: 49277

Ion Ratio Lower Upper

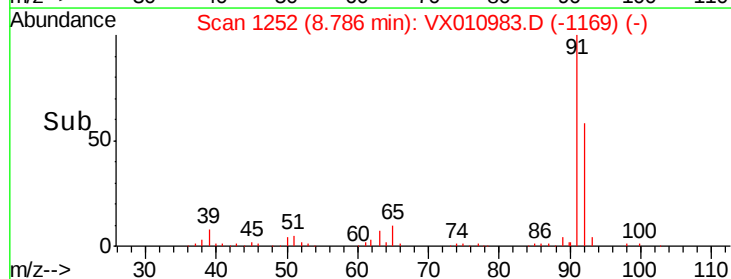
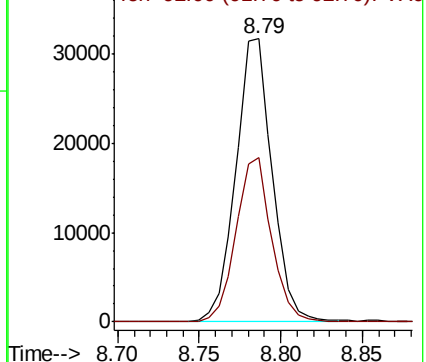
91 100

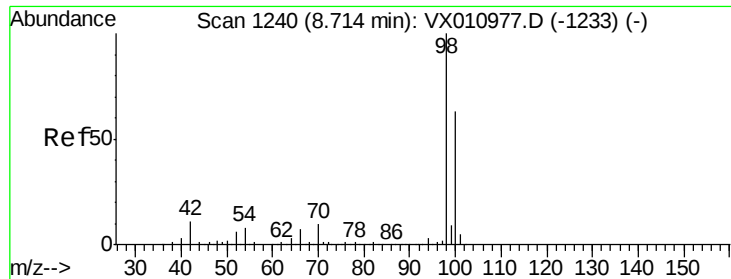
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

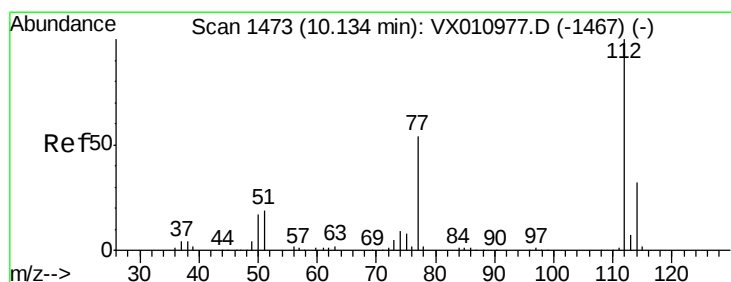
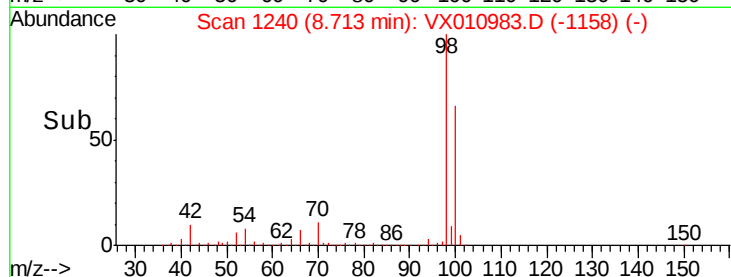
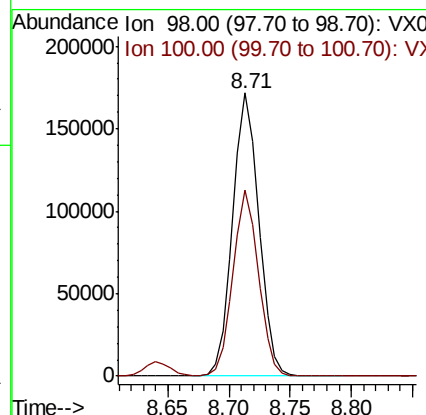
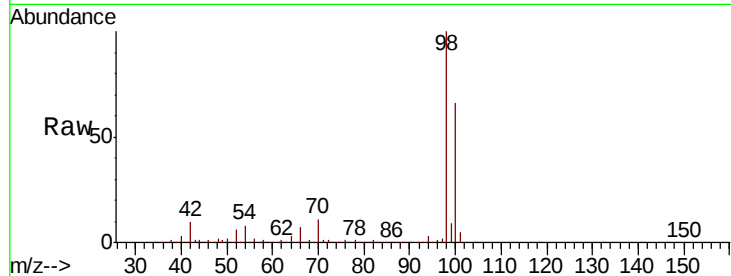




#63
Toluene-d8
Concen: 30.290 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

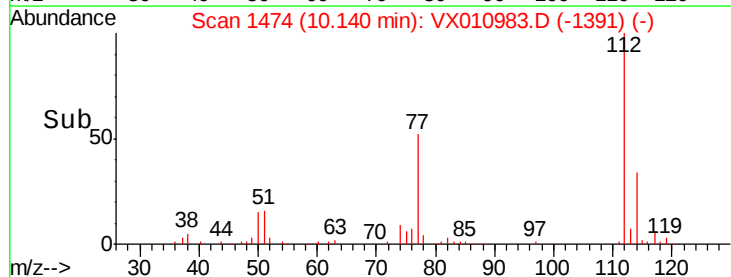
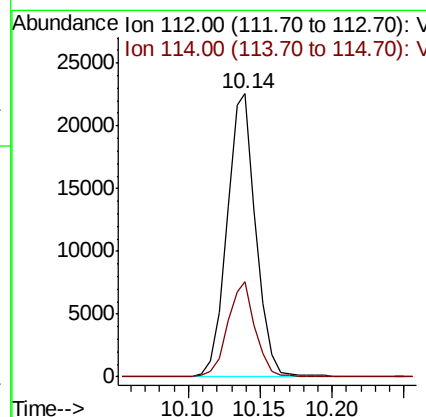
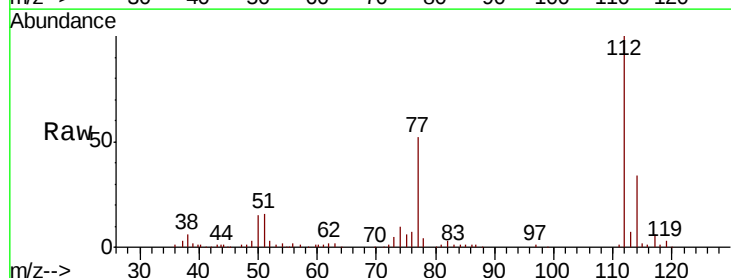
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

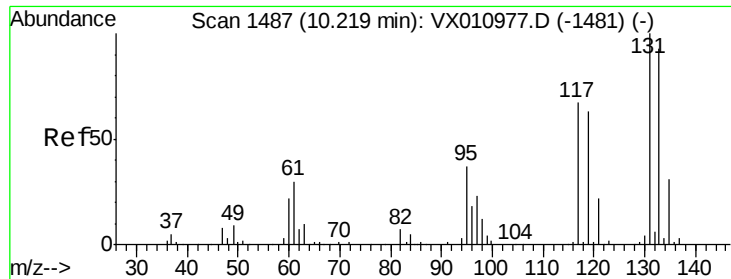
Tot Ion: 98 Resp: 254526
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#64
Chlorobenzene
Concen: 4.869 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion: 112 Resp: 31684
Ion Ratio Lower Upper
112 100
114 33.6 25.3 37.9

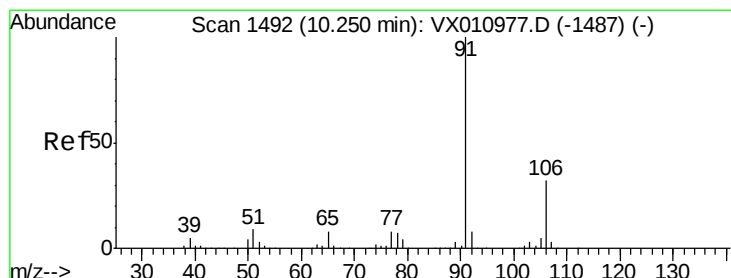
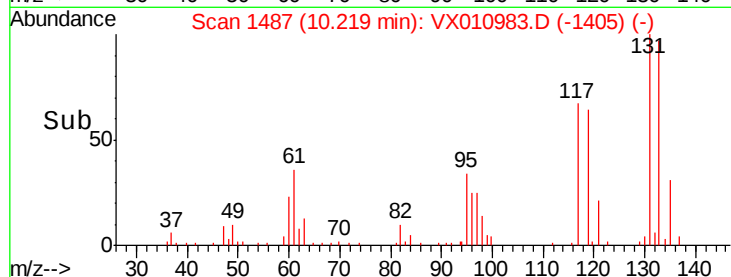
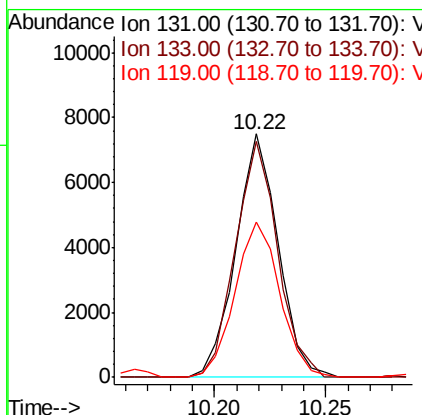
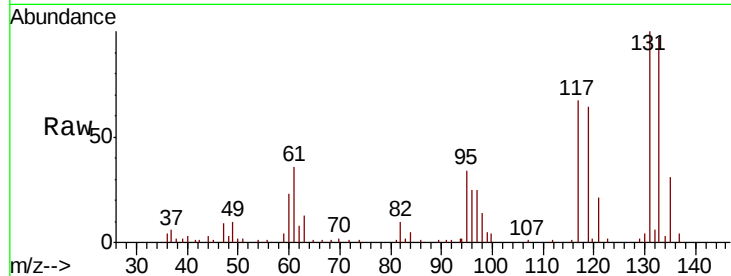




#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.208 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

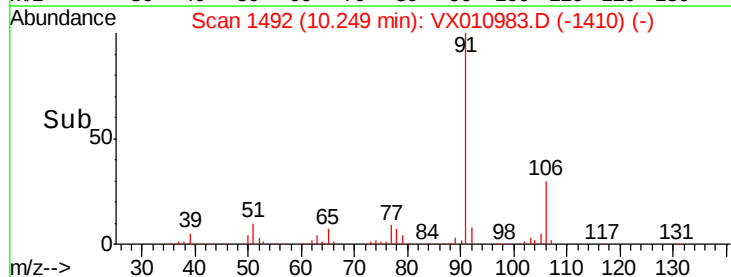
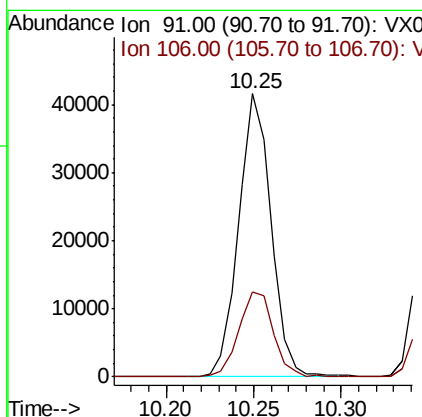
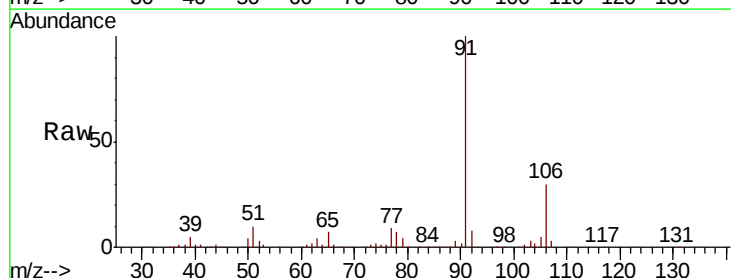
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

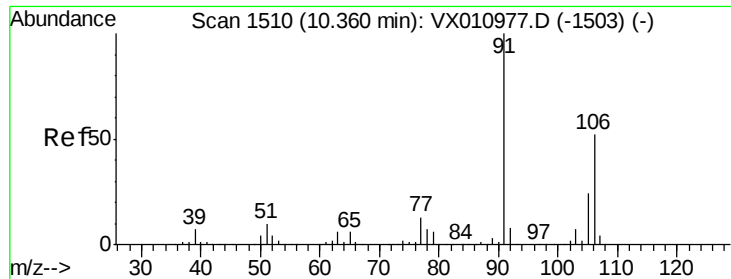
Tot Ion:131 Resp: 9952
 Ion Ratio Lower Upper
 131 100
 133 96.6 0.0 190.2
 119 67.7 0.0 127.0



#66
 Ethyl Benzene
 Concen: 4.690 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 91 Resp: 53624
 Ion Ratio Lower Upper
 91 100
 106 30.1 25.8 38.8





#67

m/p-Xvlenes

Concen: 9.743 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

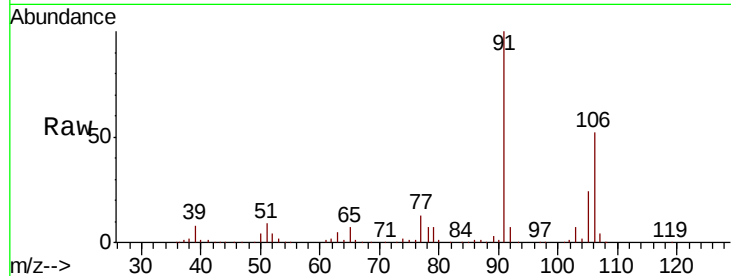
LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 42617

Ion Ratio Lower Upper

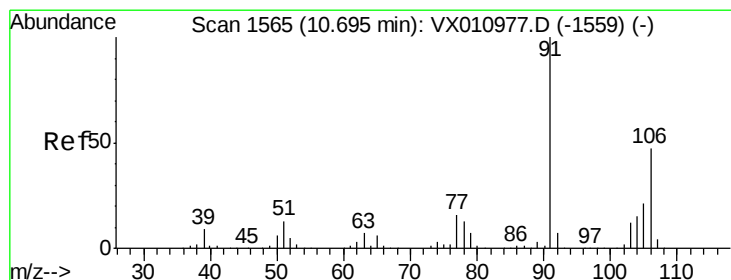
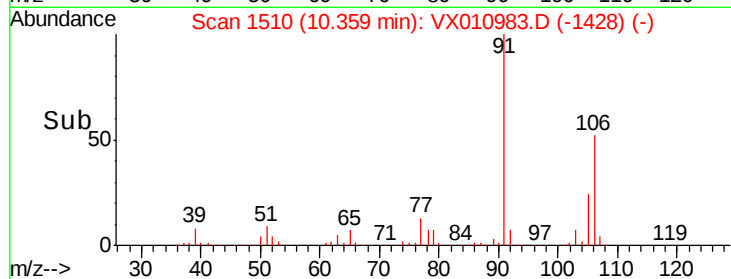
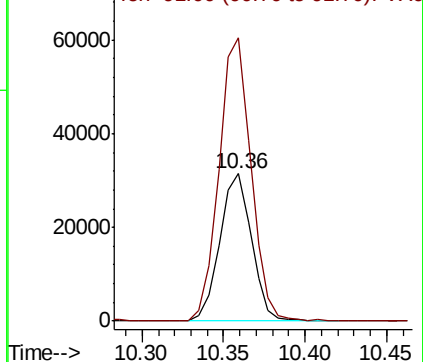
106 100

91 195.0 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.658 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010983.D

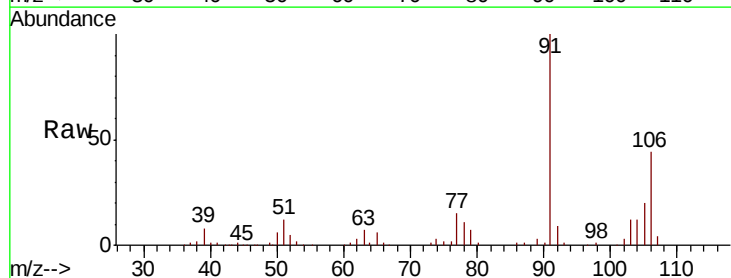
Acq: 19 Jul 2019 01:28

Tgt Ion:106 Resp: 19964

Ion Ratio Lower Upper

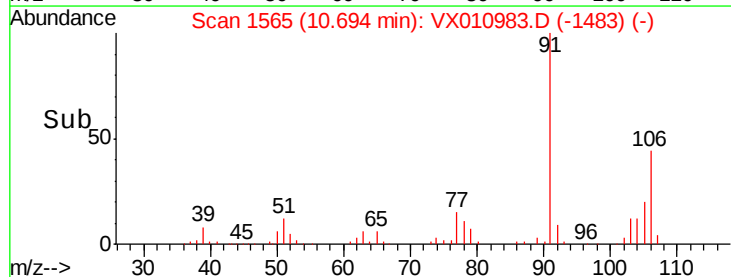
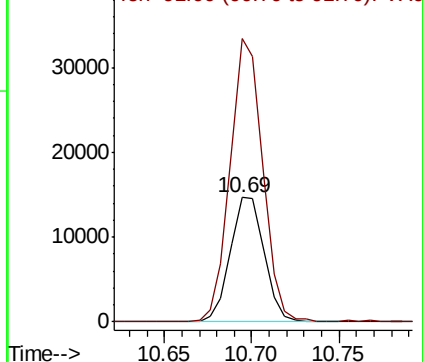
106 100

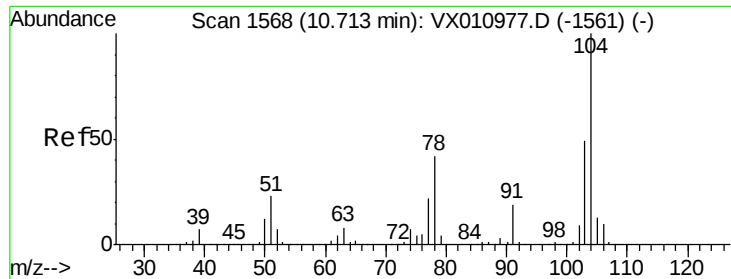
91 216.9 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

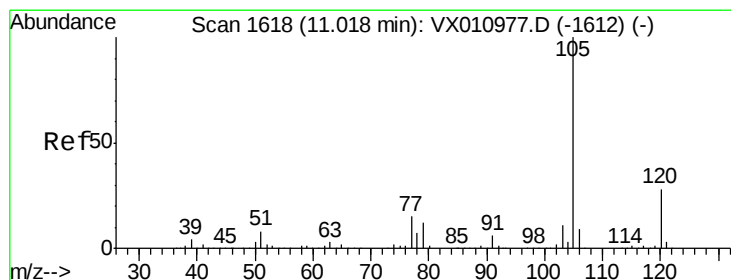
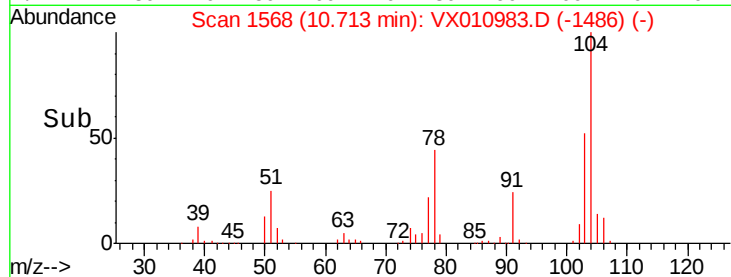
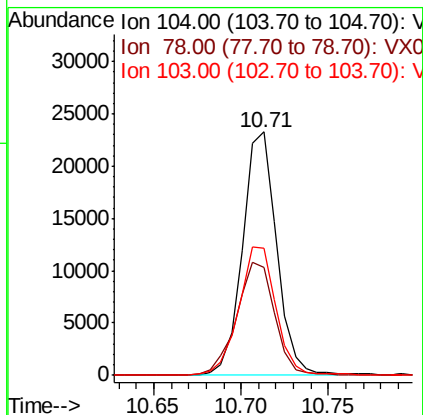
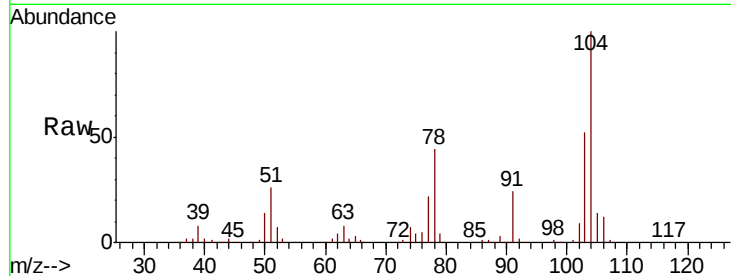




#69
Stvrene
Concen: 4.381 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

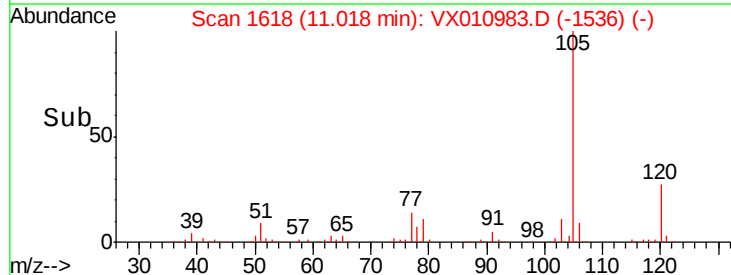
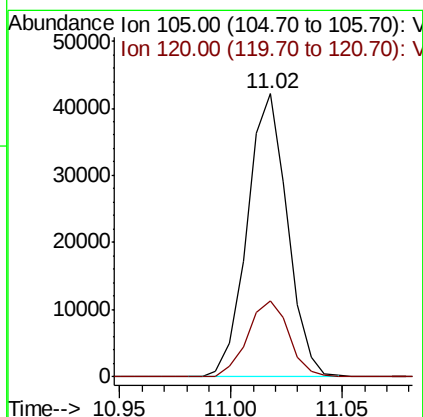
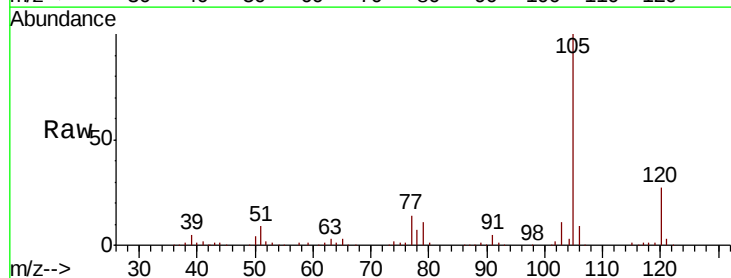
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

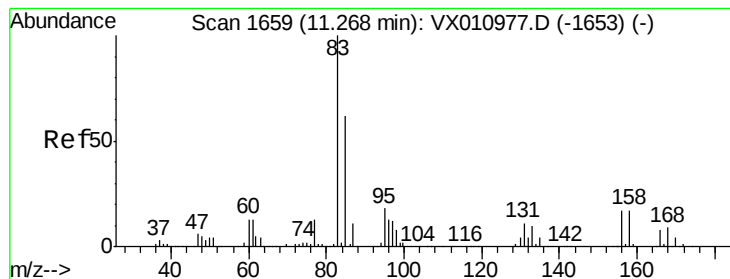
Tot Ion:104 Resp: 31560
Ion Ratio Lower Upper
104 100
78 51.6 38.5 57.7
103 57.4 44.6 67.0



#70
Isopropylbenzene
Concen: 4.644 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion:105 Resp: 53004
Ion Ratio Lower Upper
105 100
120 27.5 19.4 36.0

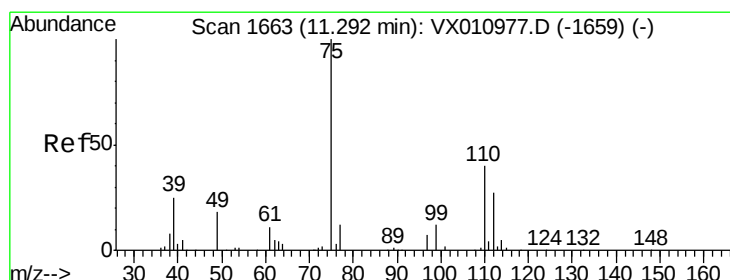
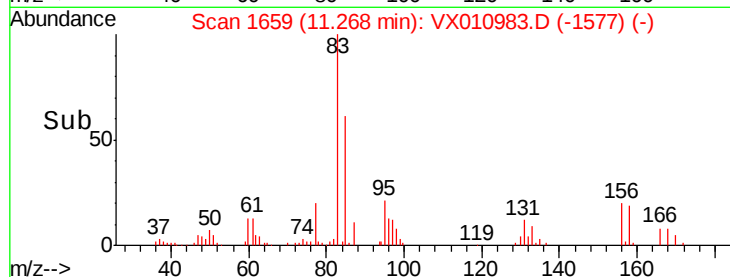
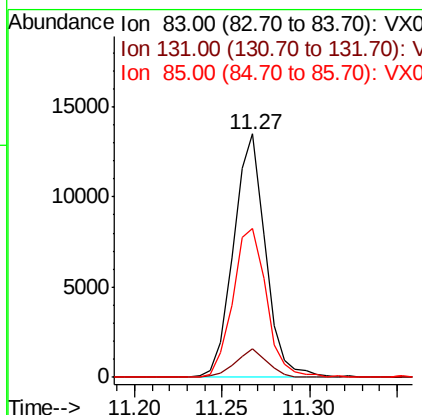
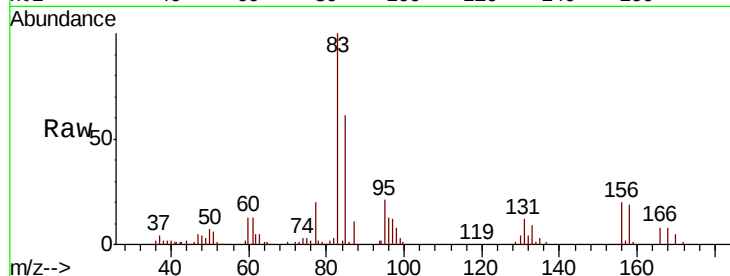




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.661 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

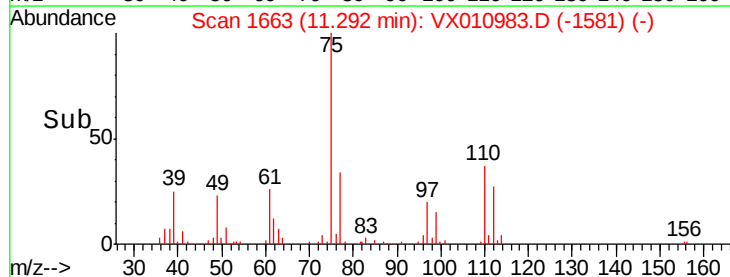
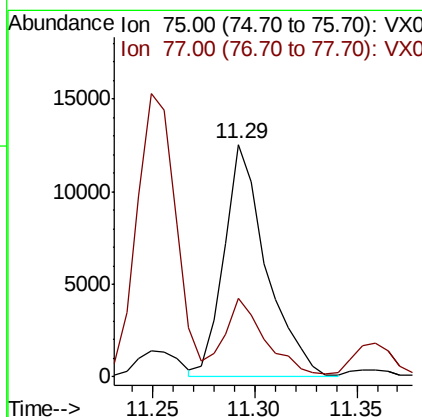
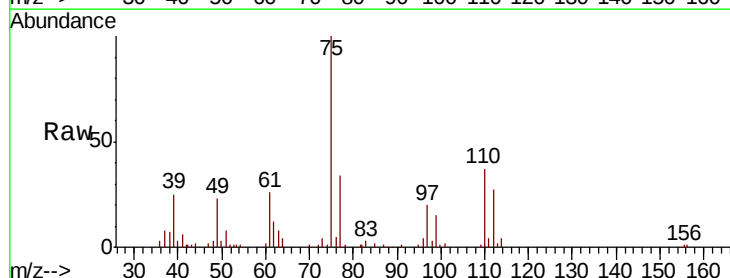
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

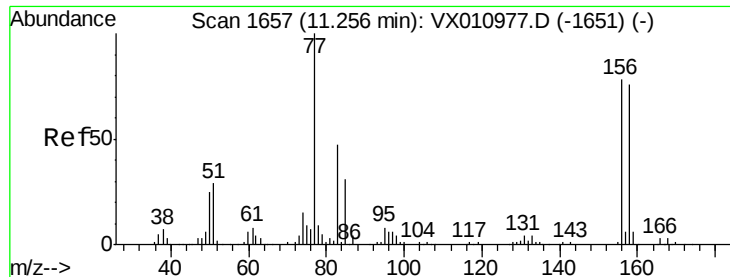
Tot Ion: 83 Resp: 17155
 Ion Ratio Lower Upper
 83 100
 131 12.0 5.5 16.4
 85 64.7 32.1 96.3



#72
 1,2,3-Trichloropropane
 Concen: 5.871 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 75 Resp: 18036
 Ion Ratio Lower Upper
 75 100
 77 33.4 0.0 84.0





#73

Bromobenzene

Concen: 4.625 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

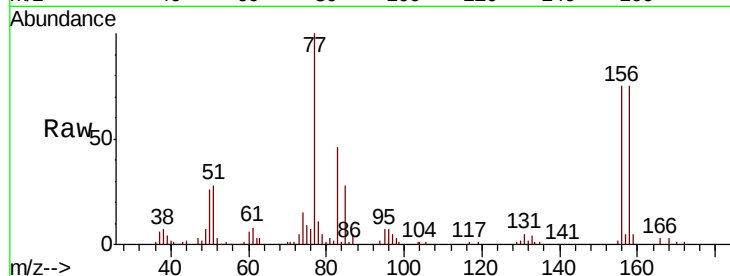
Tot Ion:156 Resp: 14241

Ion Ratio Lower Upper

156 100

77 142.8 0.0 275.8

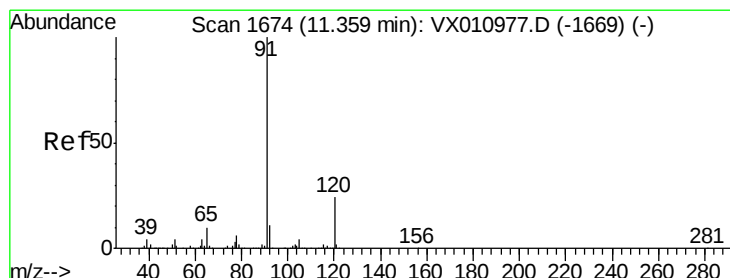
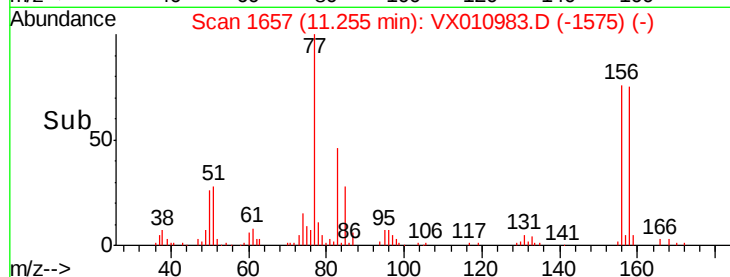
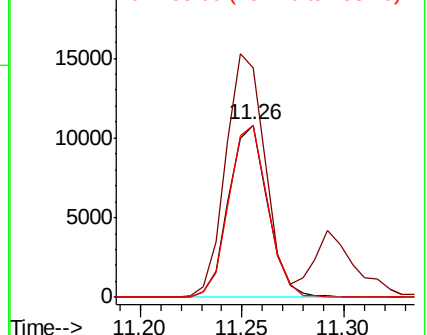
158 99.7 0.0 195.2



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: 4.607 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010983.D

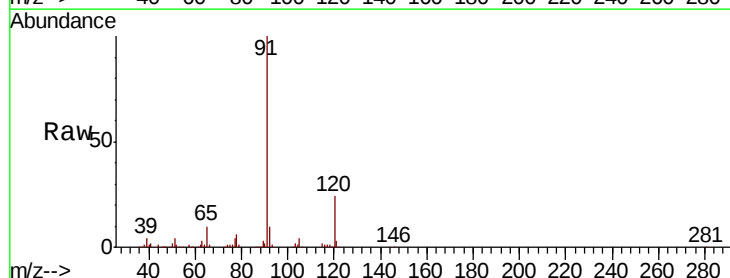
Acq: 19 Jul 2019 01:28

Tgt Ion: 91 Resp: 59184

Ion Ratio Lower Upper

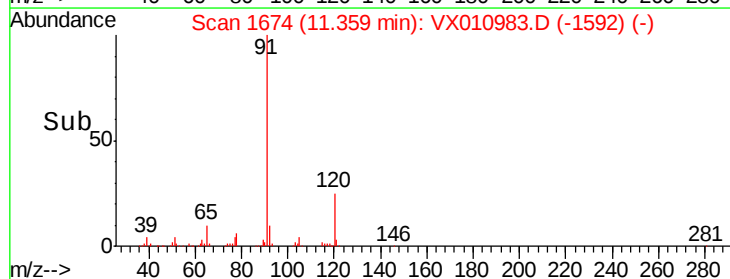
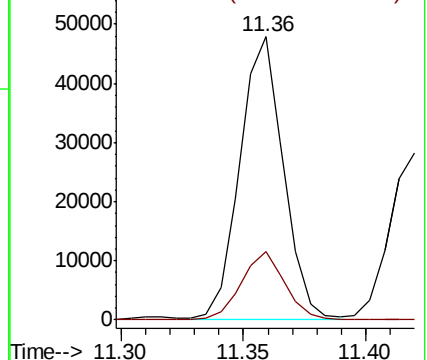
91 100

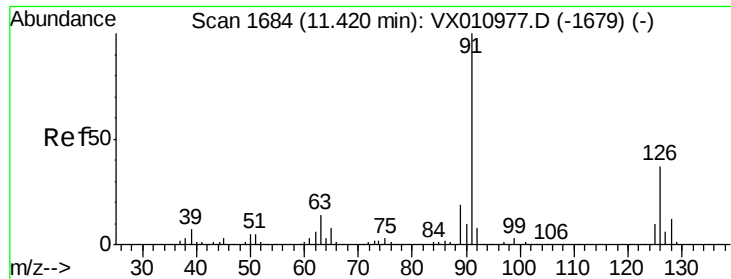
120 23.9 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.633 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

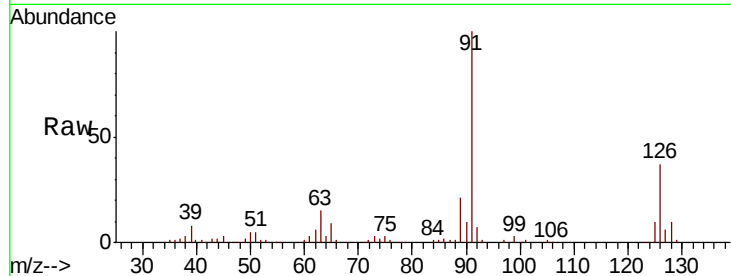
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 35447

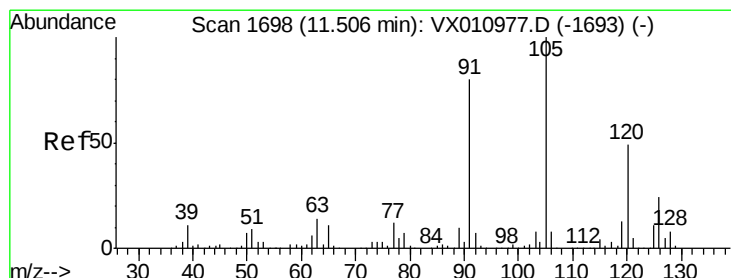
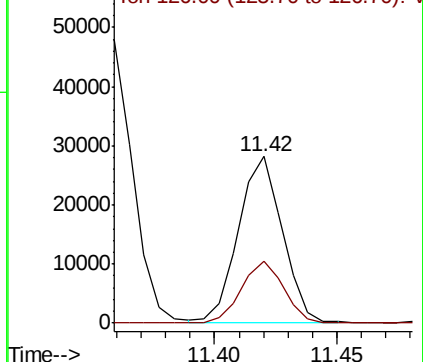
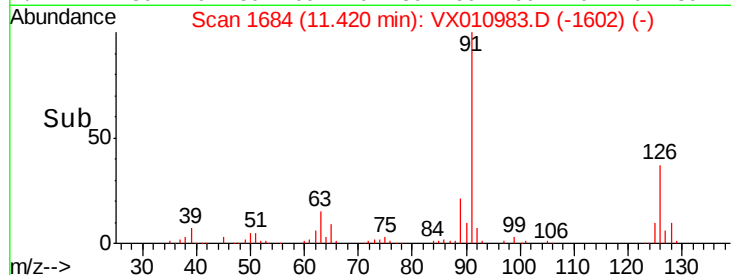
Ion Ratio Lower Upper

91 100

126 36.2 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VX010983.D (-1602) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.533 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010983.D

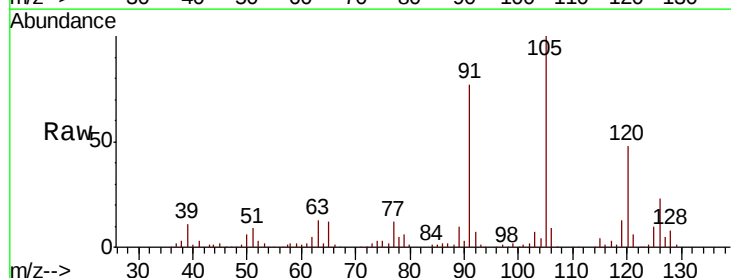
Acq: 19 Jul 2019 01:28

Tgt Ion: 105 Resp: 43789

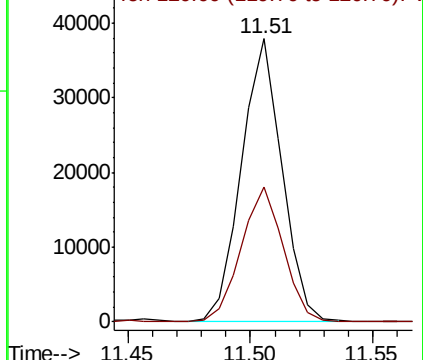
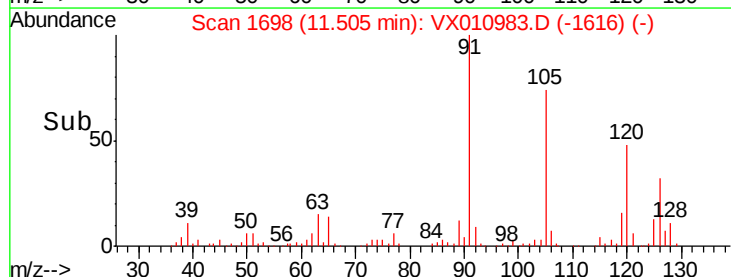
Ion Ratio Lower Upper

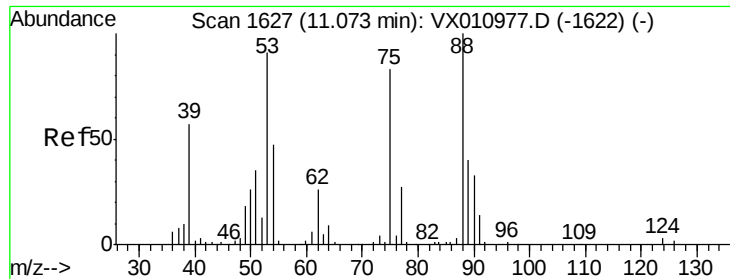
105 100

120 49.5 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX010983.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.136 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

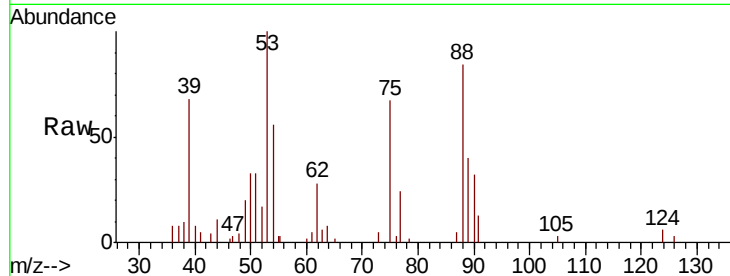
Tot Ion: 75 Resp: 3178

Ion Ratio Lower Upper

75 100

53 146.5 54.8 164.3

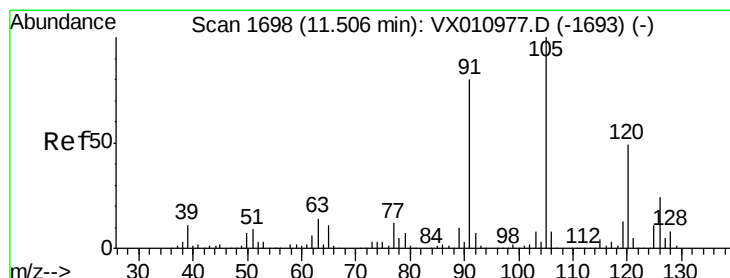
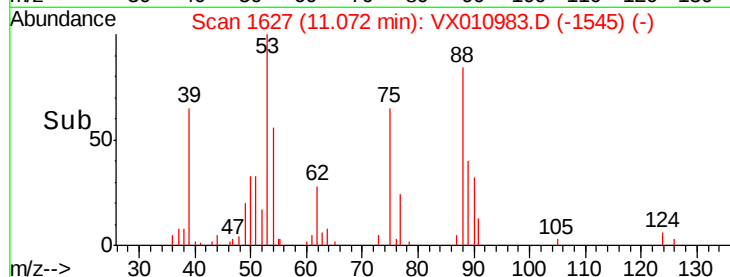
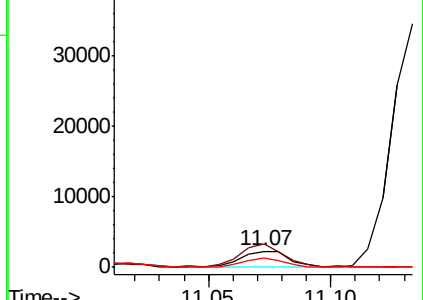
89 61.9 24.6 73.6



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: 4.542 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010983.D

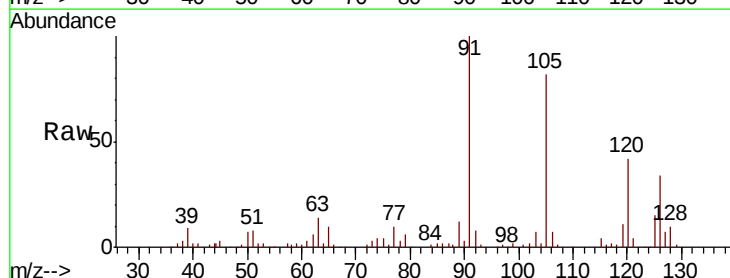
Acq: 19 Jul 2019 01:28

Tgt Ion: 91 Resp: 39904

Ion Ratio Lower Upper

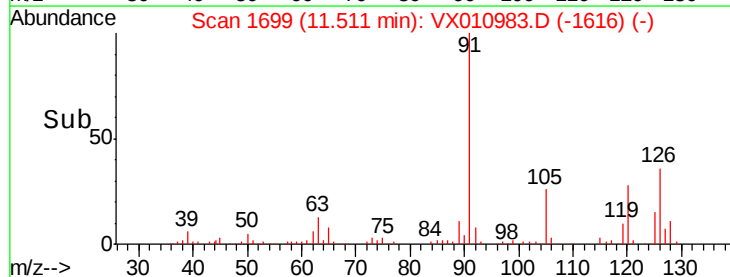
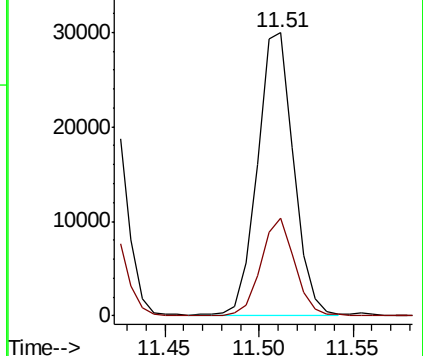
91 100

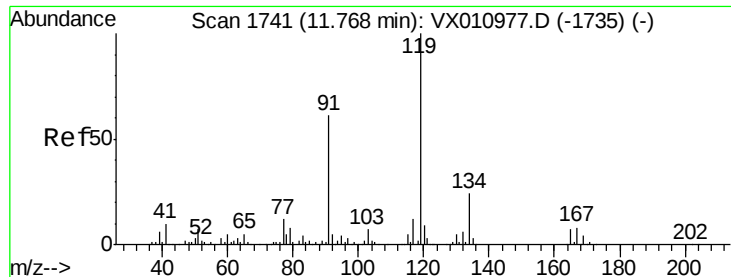
126 32.3 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

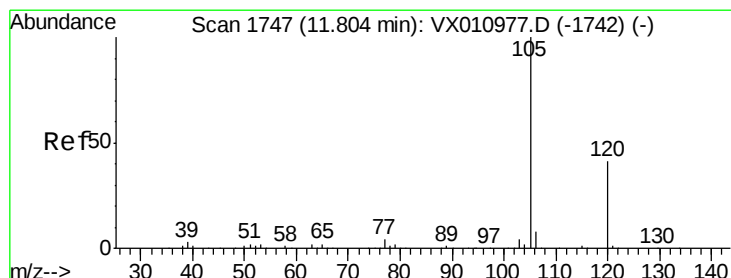
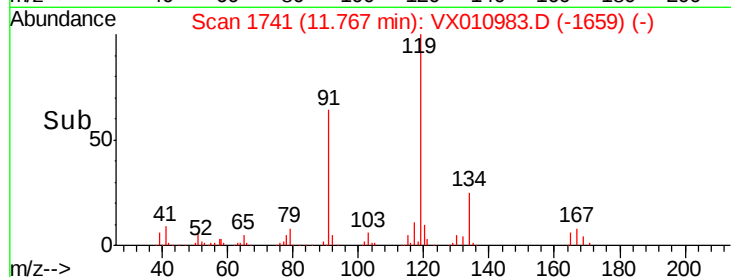
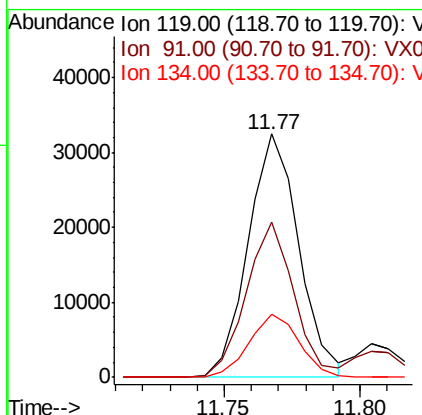
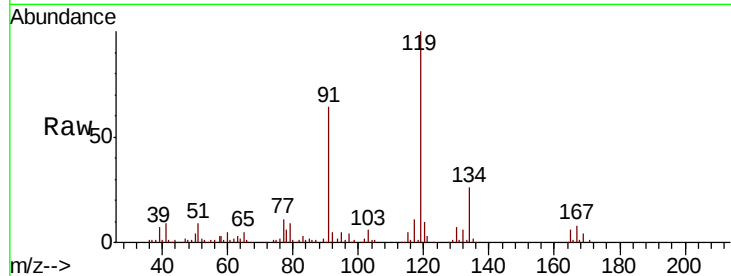




#79
tert-butylbenzene
Concen: 4.465 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

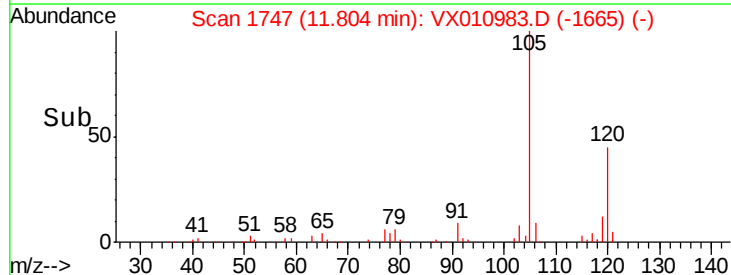
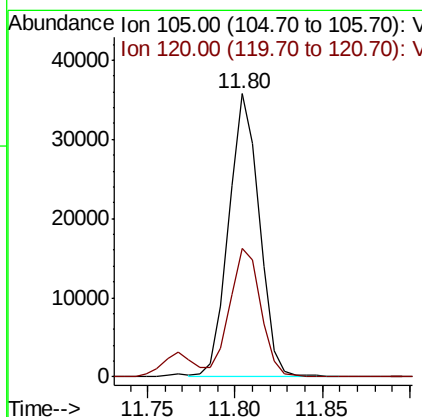
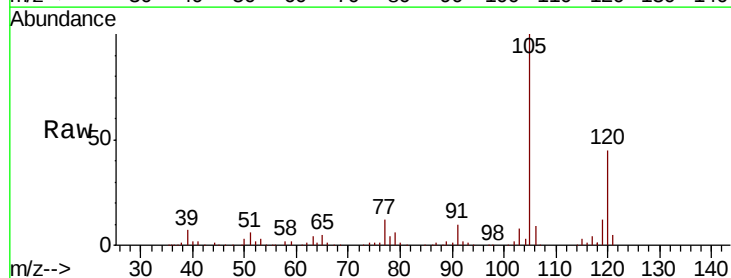
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

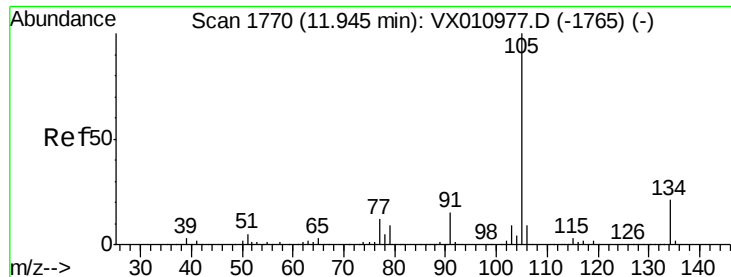
Tot Ion:119 Resp: 41840
Ion Ratio Lower Upper
119 100
91 60.4 0.0 118.4
134 25.7 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 4.478 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion:105 Resp: 43568
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.6

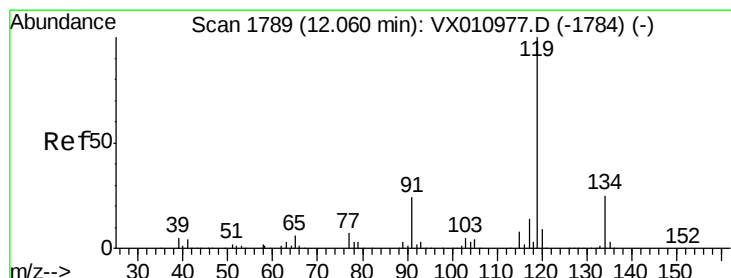
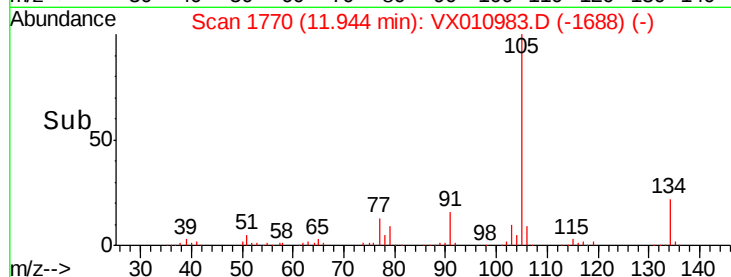
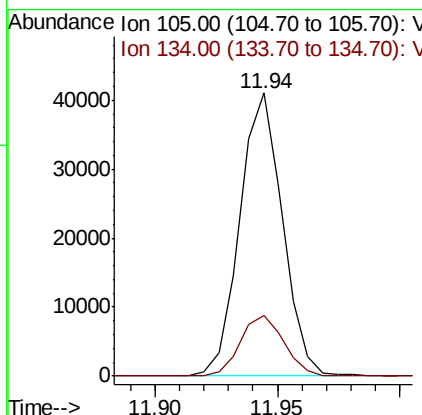
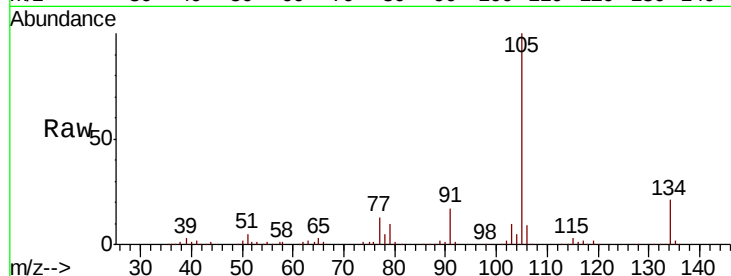




#81
 sec-Butylbenzene
 Concen: 4.508 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

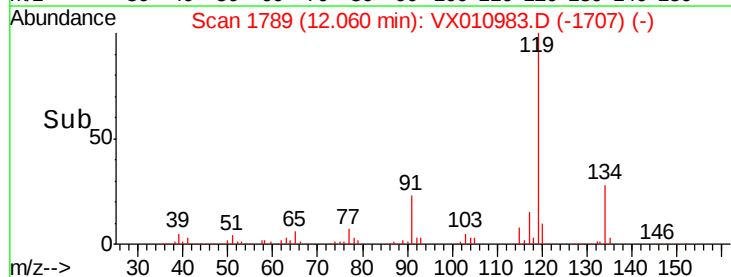
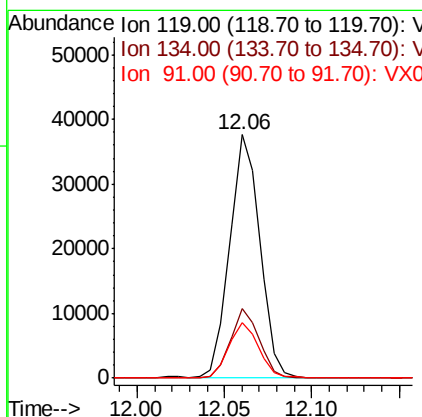
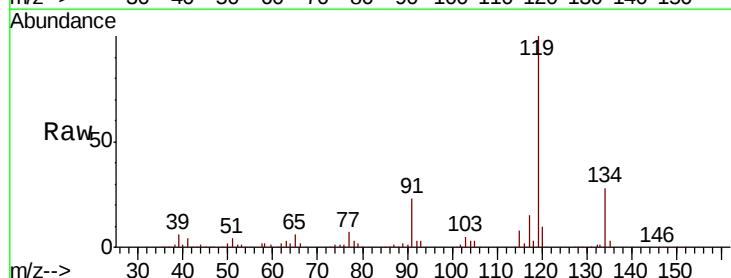
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

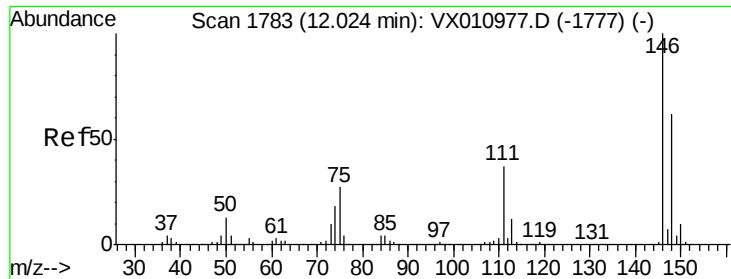
Tot Ion:105 Resp: 49789
 Ion Ratio Lower Upper
 105 100
 134 22.0 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 4.421 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion:119 Resp: 45311
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.8
 91 23.0 0.0 47.0

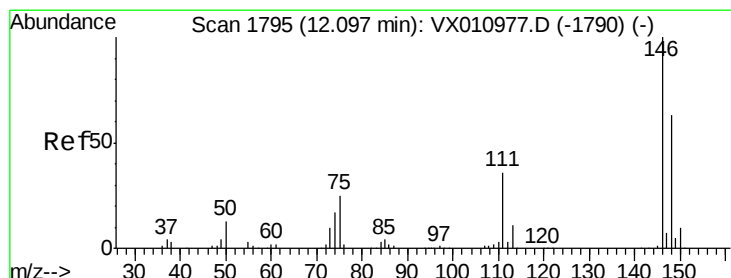
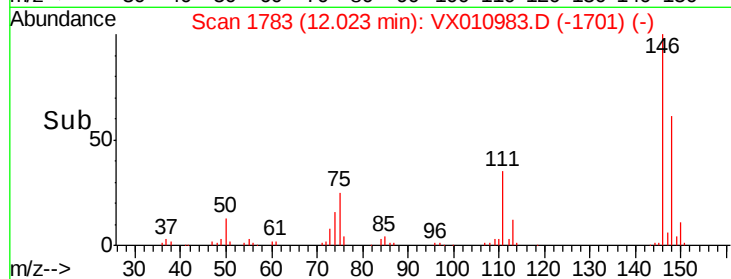
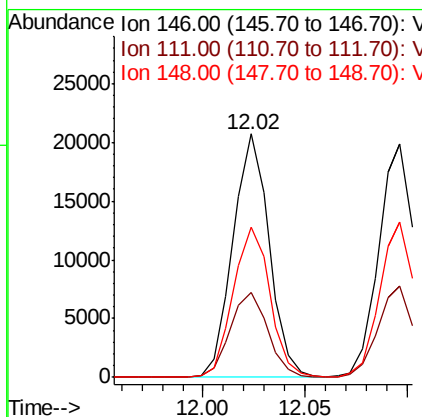
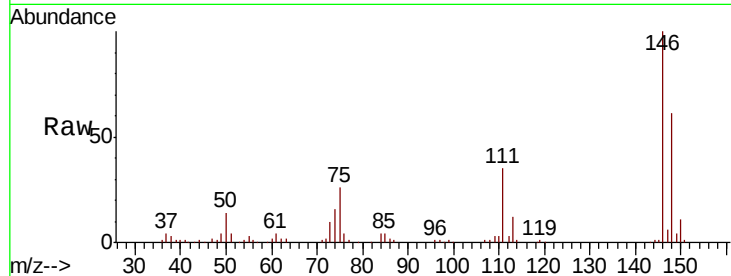




#83
 1,3-Dichlorobenzene
 Concen: 4.699 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

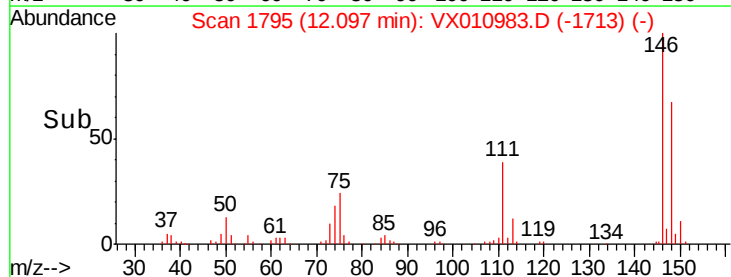
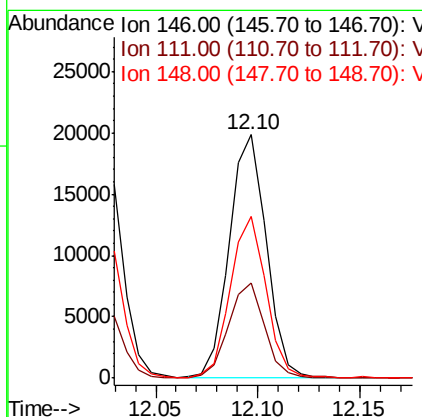
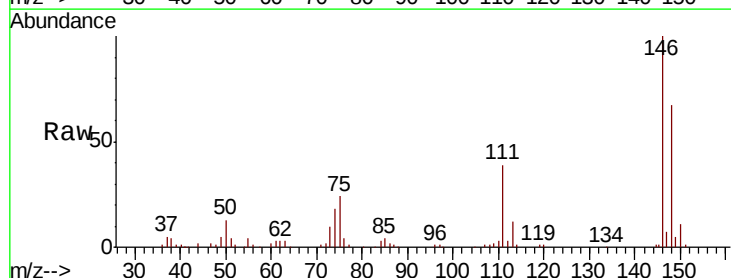
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

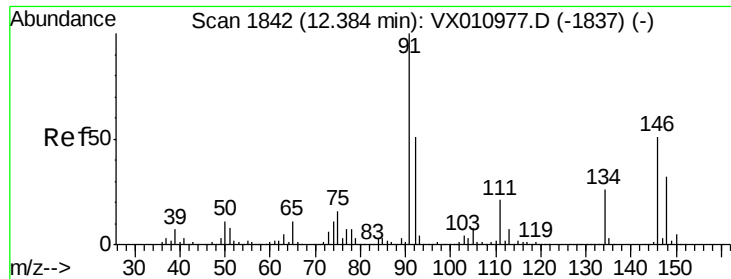
Tot Ion:146 Resp: 25543
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.9
 148 62.7 31.4 94.0



#84
 1,4-Dichlorobenzene
 Concen: 4.619 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion:146 Resp: 24955
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.5 55.5
 148 64.3 32.0 96.0





#85

n-Butylbenzene

Concen: 4.079 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

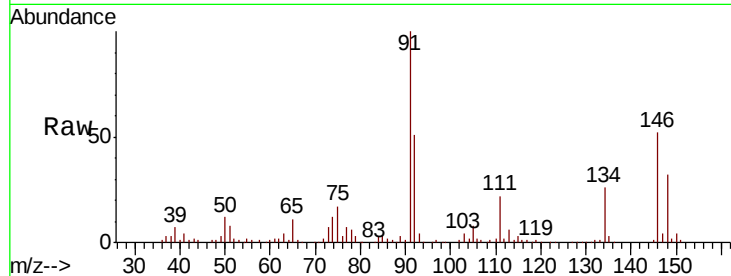
Tot Ion: 91 Resp: 35598

Ion Ratio Lower Upper

91 100

92 52.0 0.0 103.6

134 27.8 0.0 54.2

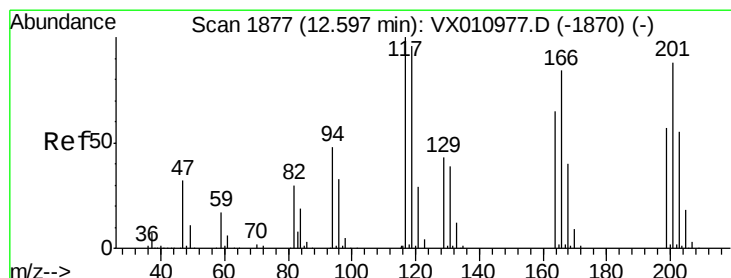
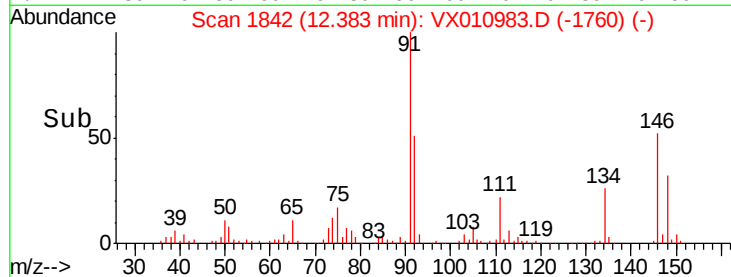
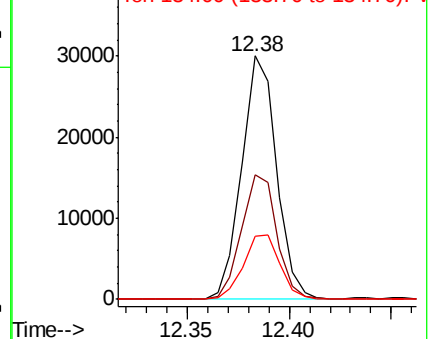


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 3.620 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX010983.D

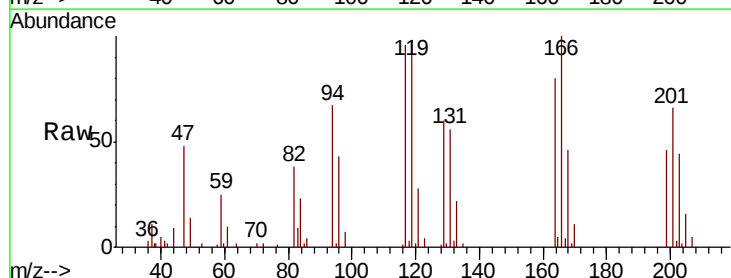
Acq: 19 Jul 2019 01:28

Tgt Ion: 117 Resp: 5852

Ion Ratio Lower Upper

117 100

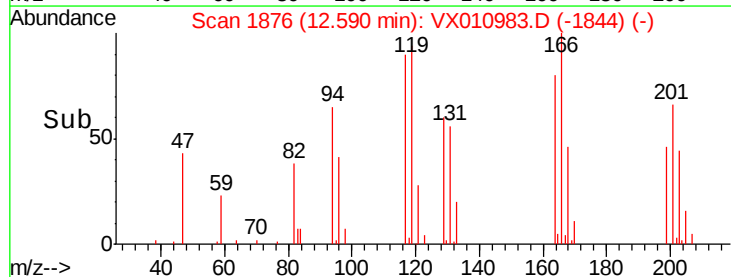
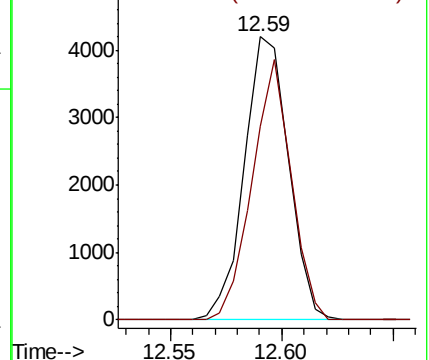
201 80.6 42.1 126.3

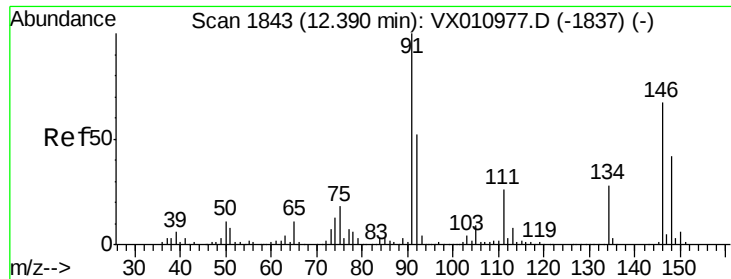


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

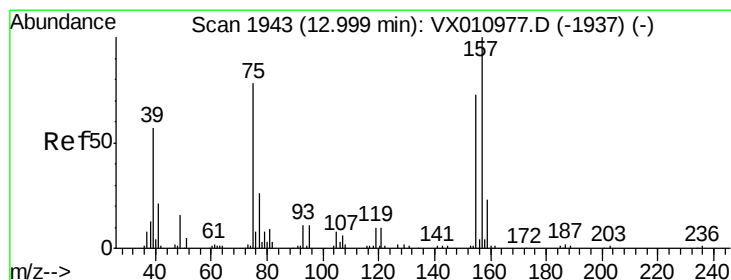
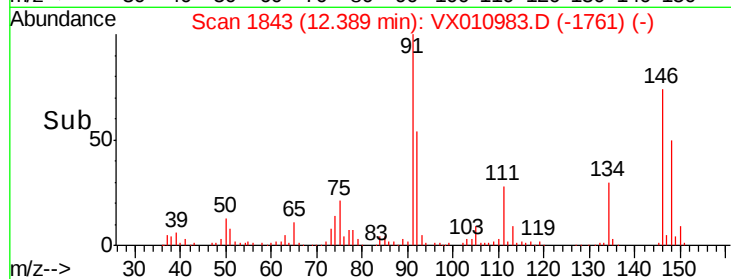
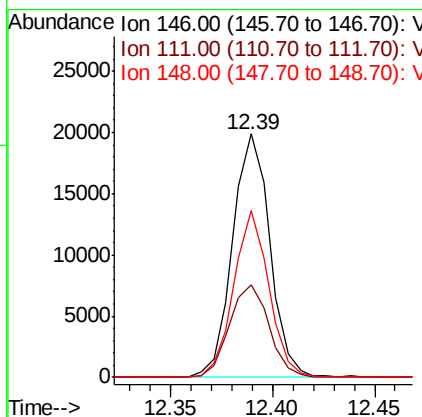
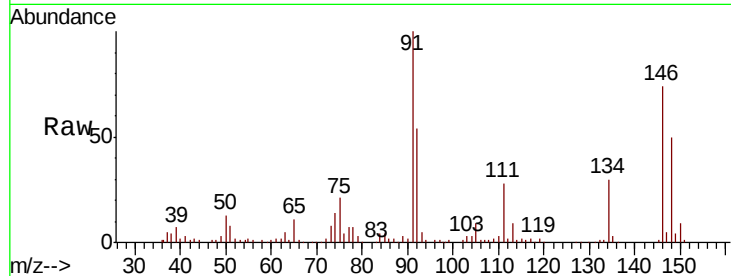




#87
 1,2-Dichlorobenzene
 Concen: 4.728 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

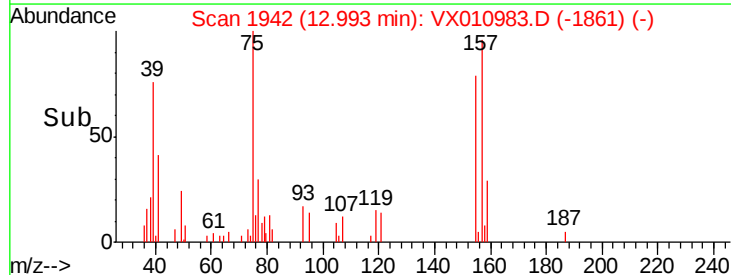
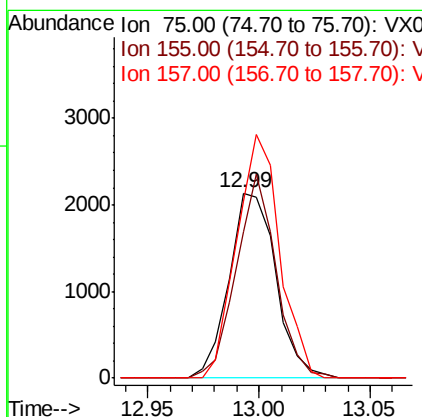
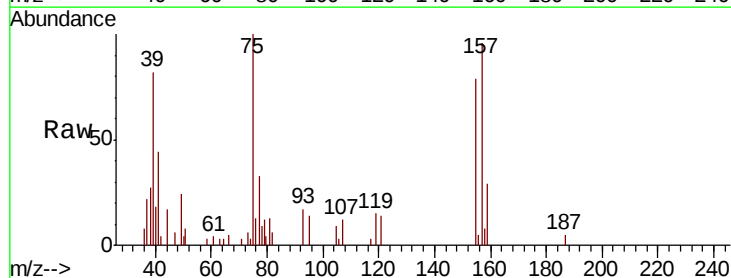
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

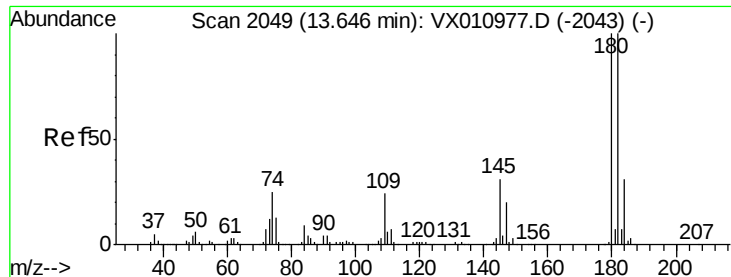
Tot Ion:146 Resp: 25166
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.5 58.5
 148 64.6 31.5 94.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.884 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010983.D
 Acq: 19 Jul 2019 01:28

Tgt Ion: 75 Resp: 3147
 Ion Ratio Lower Upper
 75 100
 155 93.3 76.6 115.0
 157 120.4 101.0 151.4

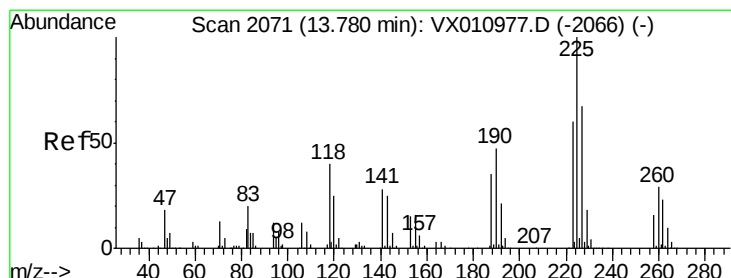
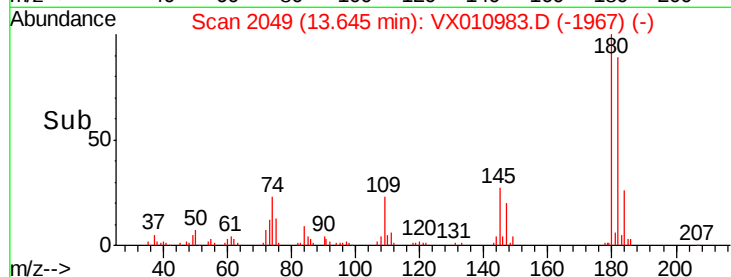
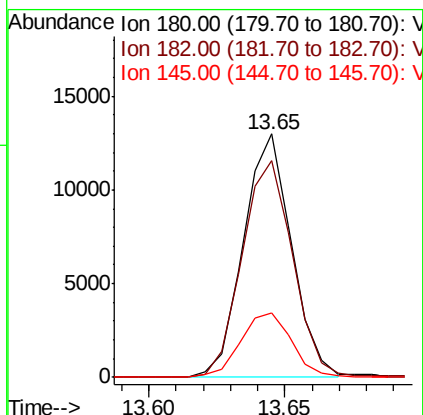
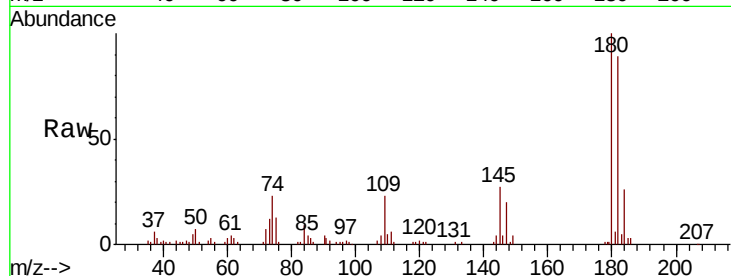




#89
1,2,4-Trichlorobenzene
Concen: 4.323 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

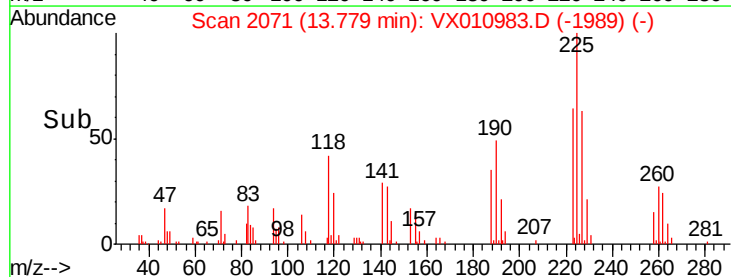
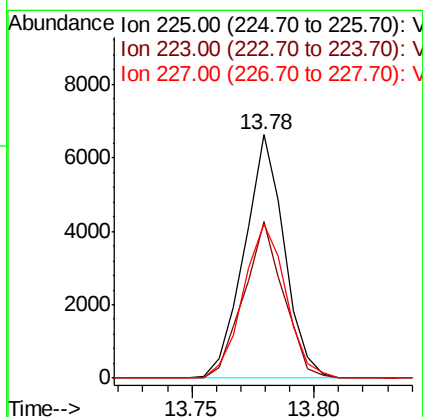
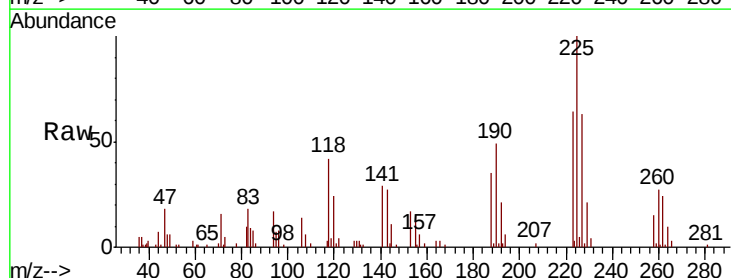
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

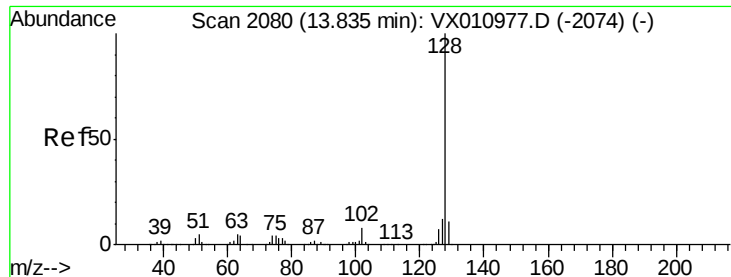
Tot Ion:180 Resp: 15871
Ion Ratio Lower Upper
180 100
182 94.0 77.6 116.4
145 28.0 23.8 35.6



#90
Hexachlorobutadiene
Concen: 4.251 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010983.D
Acq: 19 Jul 2019 01:28

Tgt Ion:225 Resp: 7546
Ion Ratio Lower Upper
225 100
223 63.8 0.0 121.4
227 67.8 0.0 126.6





#91

Naphthalene

Concen: 4.103 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

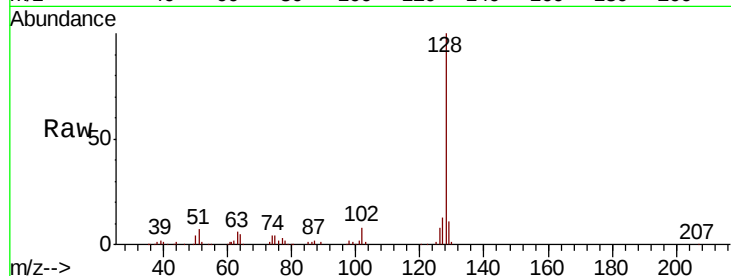
Tot Ion:128 Resp: 45956

Ion Ratio Lower Upper

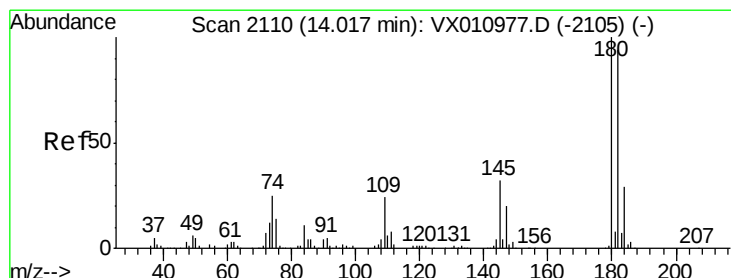
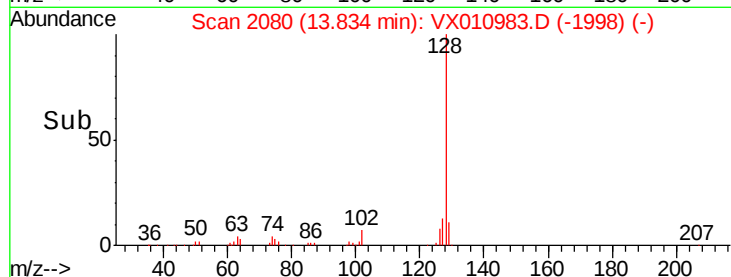
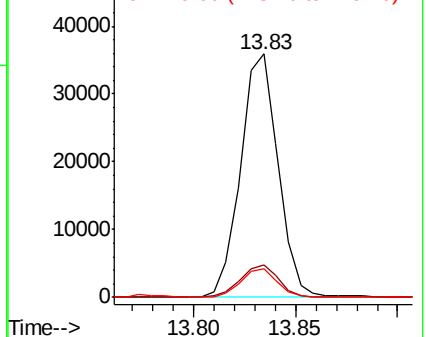
128 100

127 13.4 10.2 15.2

129 11.5 8.5 12.7



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: 4.261 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010983.D

Acq: 19 Jul 2019 01:28

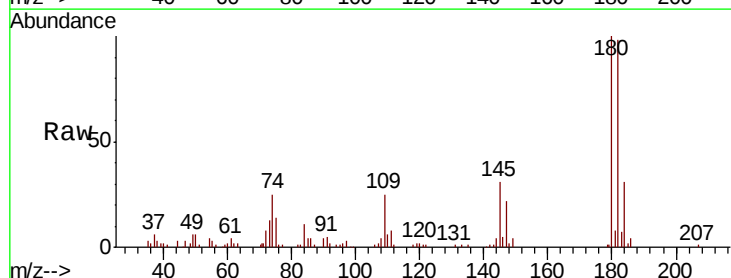
Tgt Ion:180 Resp: 15678

Ion Ratio Lower Upper

180 100

182 98.3 0.0 190.2

145 32.3 0.0 63.8



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

