

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007929.D
 Acq On : 08 Mar 2019 14:16
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Quant Time: Mar 09 04:00:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45056	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	236597	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205012	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	88404	29.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.50%
60) 4-Bromofluorobenzene	11.13	95	96823	29.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.63%
63) Toluene-d8	8.71	98	288754	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	23100	8.636 ug/l	99
3) Chloromethane	1.33	50	29127	9.793 ug/l	100
4) Vinyl Chloride	1.41	62	29770	10.104 ug/l	100
5) Bromomethane	1.64	94	14511	9.879 ug/l	99
6) Chloroethane	1.71	64	18957	11.017 ug/l	96
7) Trichlorofluoromethane	1.93	101	38975	10.623 ug/l	98
8) Diethyl Ether	2.19	74	16996	8.995 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	24203	8.775 ug/l	99
10) 1,1-Dichloroethene	2.37	96	22928	8.770 ug/l	86
11) Methyl Iodide	2.51	142	32416	7.920 ug/l	92
12) Methyl Acetate	2.78	43	44274	10.707 ug/l	95
13) Acrolein	2.30	56	24277	50.046 ug/l	100
14) Acrylonitrile	3.15	53	80351	45.778 ug/l	100
15) Acetone	2.45	58	23841	37.621 ug/l	98
16) Carbon Disulfide	2.57	76	69196	8.436 ug/l	99
17) Allyl chloride	2.73	41	46843	8.739 ug/l	88
18) Methylene Chloride	2.85	84	26527	8.906 ug/l	93
19) trans-1,2-Dichloroethene	3.17	96	25225	9.119 ug/l	98
20) Diisopropyl ether	3.87	45	90133	9.192 ug/l	95
21) 1,1-Dichloroethane	3.70	63	47871	8.976 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	28706	8.996 ug/l	89
23) tert-Butyl Alcohol	3.07	59	31070	43.877 ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	81235	9.037 ug/l	95
25) Chloroform	5.21	83	46231	9.184 ug/l	97
26) Cyclohexane	5.57	56	43209	8.768 ug/l	# 90
29) 1,1-Dichloropropene	5.80	75	34529	9.204 ug/l	96
30) 2-Butanone	4.70	43	109184	43.152 ug/l	98
31) 2,2-Dichloropropane	4.59	77	29546	8.527 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	36986	9.118 ug/l	98
33) Carbon Tetrachloride	5.78	117	32114	8.925 ug/l	97
34) Benzene	6.14	78	108223	9.414 ug/l	99
35) Methacrylonitrile	5.06	41	23222	9.418 ug/l	89
36) 1,2-Dichloroethane	6.20	62	35840	9.582 ug/l	98
37) Trichloroethene	7.21	130	28927	9.287 ug/l	91
38) Methylcyclohexane	7.46	83	41585	8.719 ug/l	94
39) 1,2-Dichloropropane	7.51	63	28871	9.629 ug/l	97
40) Dibromomethane	7.66	93	17786	9.352 ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	32937	9.163	ug/l	99
42) Vinyl Acetate	3.82	43	362416	44.249	ug/l	97
43) Ethyl Acetate	4.85	43	40897	9.280	ug/l	97
44) Isopropyl Acetate	6.46	43	61973	9.216	ug/l	100
45) 1,4-Dioxane	7.75	88	13187	187.435	ug/l	90
46) Methyl methacrylate	7.77	41	32003	9.049	ug/l	90
47) n-amyl Acetate	10.90	43	49263	8.502	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	31666	8.134	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	36584	8.299	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	27193	9.381	ug/l	97
51) Ethyl methacrylate	9.18	69	38701	8.803	ug/l	94
52) 1,3-Dichloropropane	9.37	76	44707	9.334	ug/l	99
53) Dibromochloromethane	9.58	129	25943	8.700	ug/l	100
54) 1,2-Dibromoethane	9.67	107	27827	9.182	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	108403	53.016	ug/l	98
56) Bromoform	10.85	173	19384	8.150	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	192376	45.577	ug/l	99
59) 2-Hexanone	9.49	43	145396	43.638	ug/l	99
61) Tetrachloroethene	9.34	164	29151	9.748	ug/l	94
62) Toluene	8.79	91	113141	9.451	ug/l	99
64) Chlorobenzene	10.14	112	71537	9.376	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	25316	9.267	ug/l	97
66) Ethyl Benzene	10.25	91	116649	9.072	ug/l	98
67) m/p-Xylenes	10.36	106	90924	18.441	ug/l	97
68) o-Xylene	10.69	106	43880	9.165	ug/l	98
69) Styrene	10.71	104	71346	9.044	ug/l	99
70) Isopropylbenzene	11.02	105	119590	9.348	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	39571	9.365	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	43325	10.878	ug/l	90
73) Bromobenzene	11.26	156	31894	9.377	ug/l	96
74) n-propylbenzene	11.36	91	131941	9.143	ug/l	98
75) 2-Chlorotoluene	11.42	91	81816	9.459	ug/l	94
76) 1,3,5-Trimethylbenzene	11.51	105	97678	9.213	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	9094	7.390	ug/l	91
78) 4-Chlorotoluene	11.51	91	89479	9.150	ug/l	97
79) tert-butylbenzene	12.06	119	101954	8.961	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	99126	9.212	ug/l	98
81) sec-Butylbenzene	11.94	105	115954	9.099	ug/l	99
82) p-Isopropyltoluene	12.06	119	101954	8.961	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	55339	9.139	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	55188	9.109	ug/l	98
85) n-Butylbenzene	12.38	91	81478	8.373	ug/l	99
86) Hexachloroethane	12.60	117	15206	8.202	ug/l	86
87) 1,2-Dichlorobenzene	12.39	146	55680	9.304	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	7430	8.609	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	36794	8.555	ug/l	100
90) Hexachlorobutadiene	13.78	225	20447	8.620	ug/l	98
91) Naphthalene	13.83	128	107983	8.759	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	37835	8.850	ug/l	99

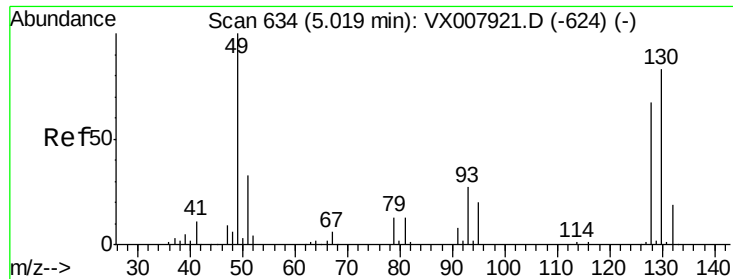
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

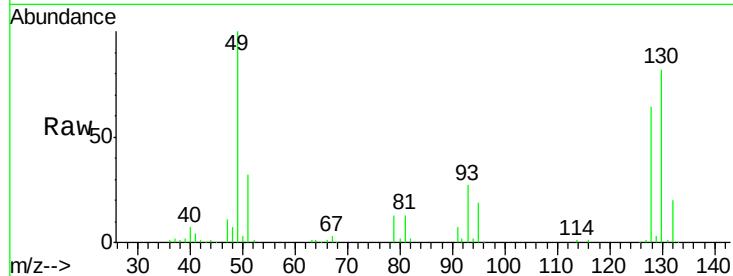
Tot Ion:128 Resp: 45056

Ion Ratio Lower Upper

128 100

49 155.8 0.0 350.8

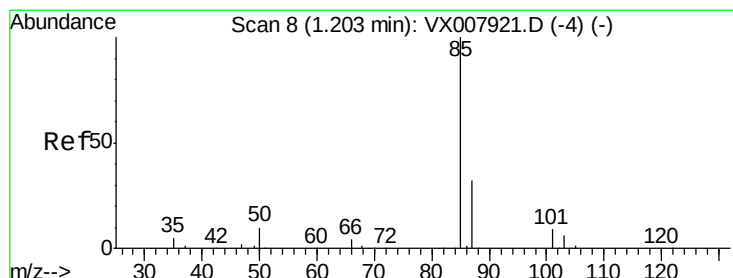
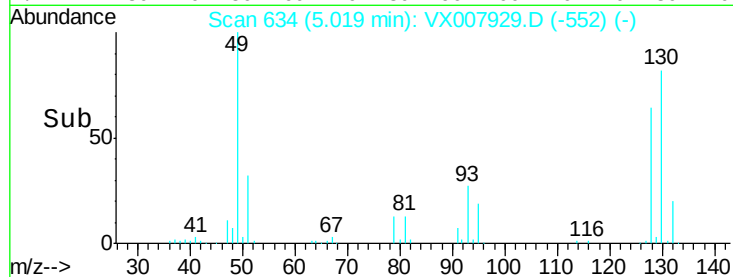
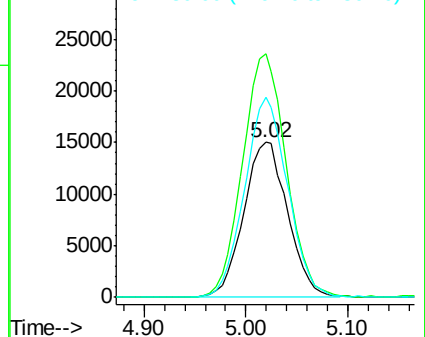
130 126.2 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.636 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007929.D

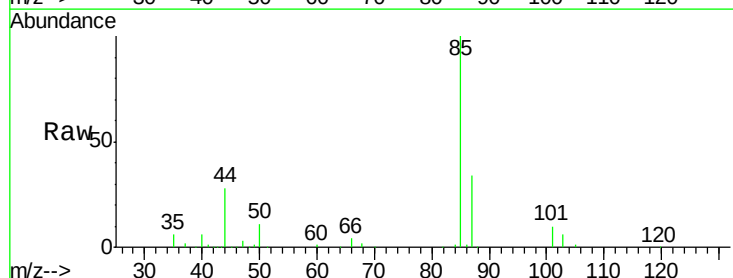
Acq: 08 Mar 2019 14:16

Tgt Ion: 85 Resp: 23100

Ion Ratio Lower Upper

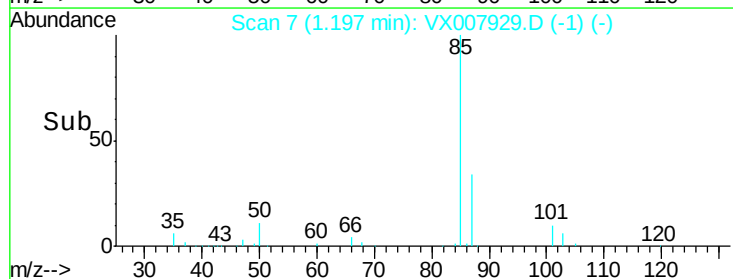
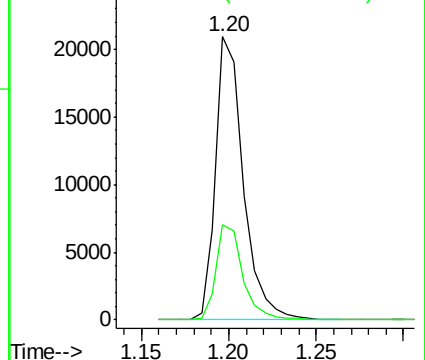
85 100

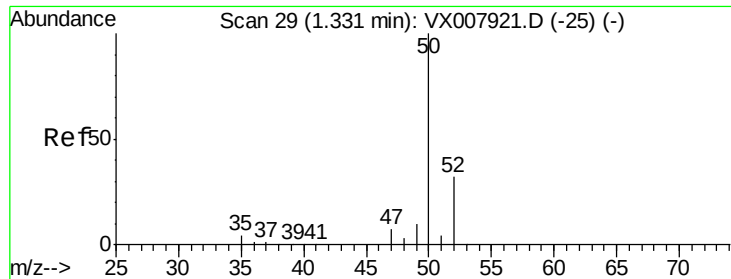
87 33.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

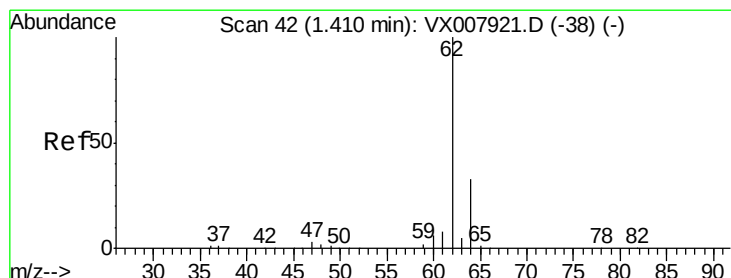
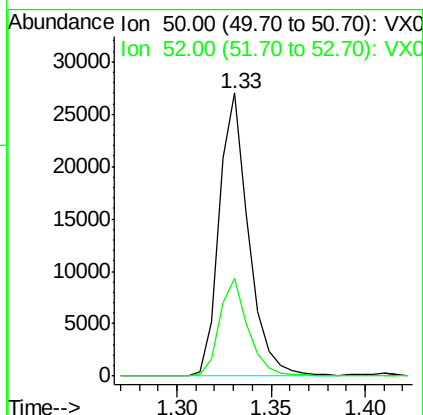
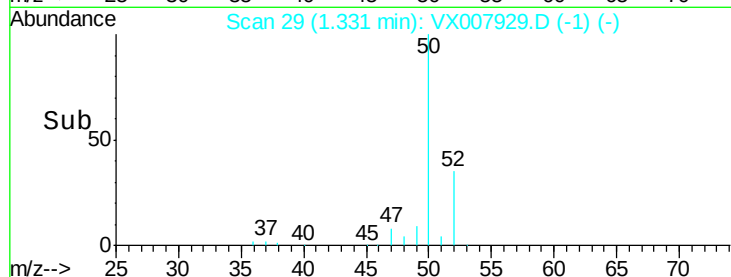
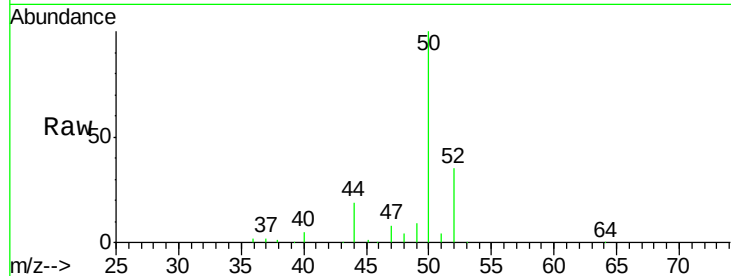




#3
Chloromethane
Concen: 9.793 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

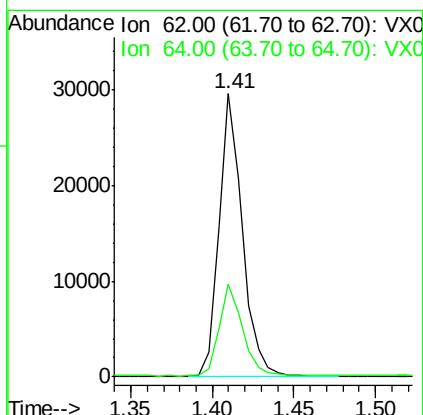
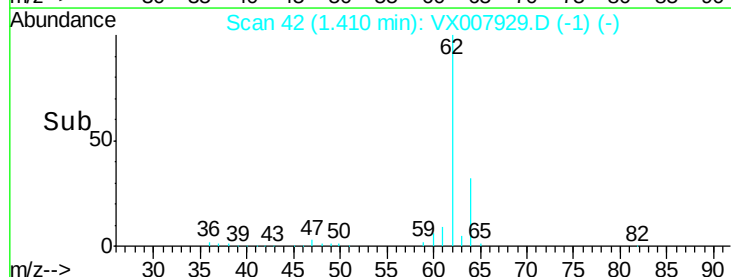
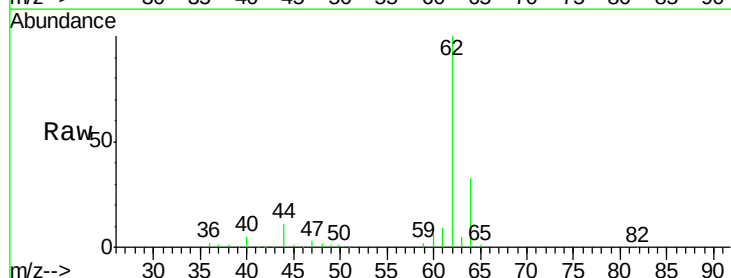
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

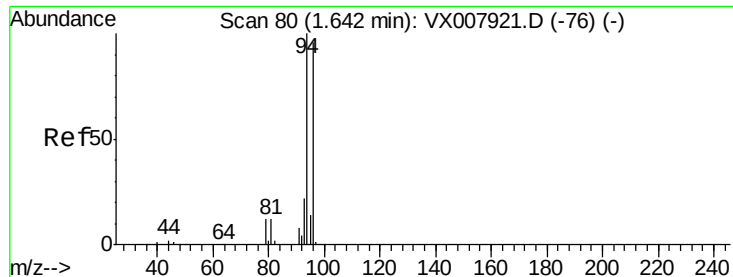
Tot Ion: 50 Resp: 29127
Ion Ratio Lower Upper
50 100
52 34.6 27.5 41.3



#4
Vinyl Chloride
Concen: 10.104 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 62 Resp: 29770
Ion Ratio Lower Upper
62 100
64 32.4 25.9 38.9





#5

Bromomethane

Concen: 9.879 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

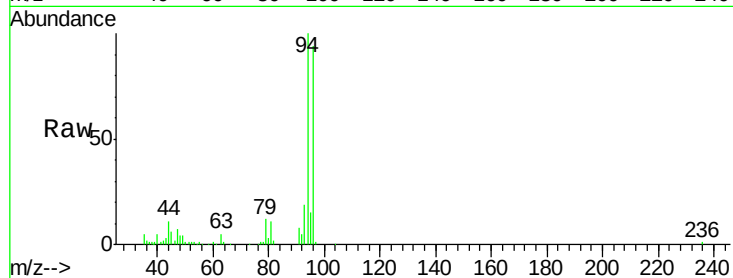
LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 14511

Ion Ratio Lower Upper

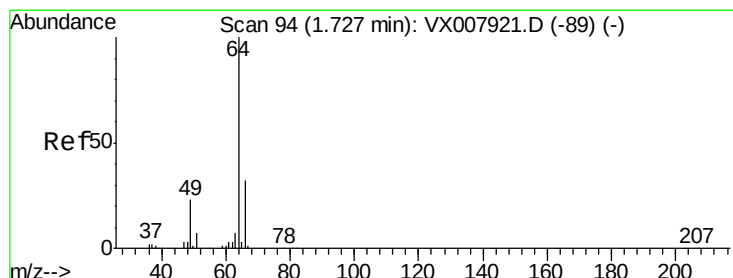
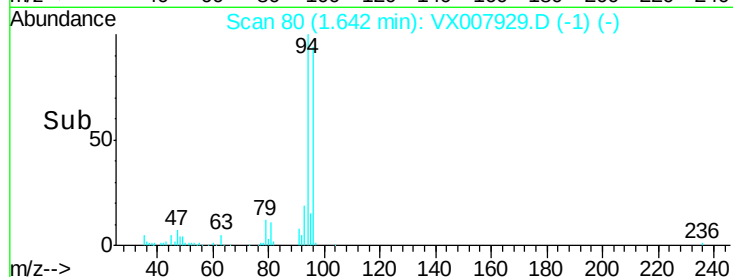
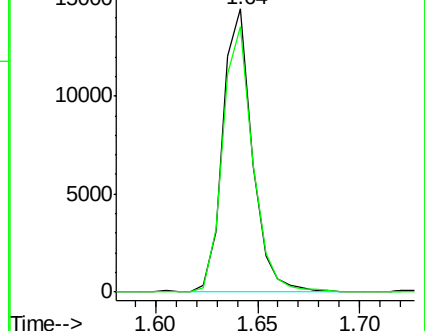
94 100

96 93.8 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 11.017 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007929.D

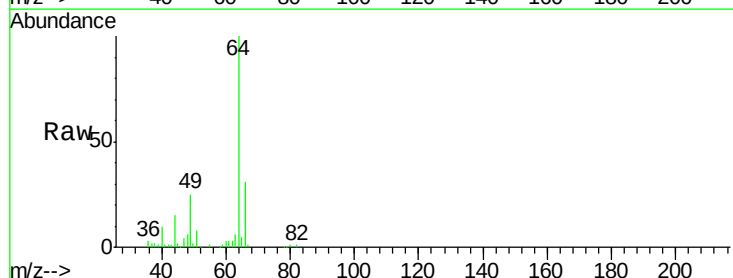
Acq: 08 Mar 2019 14:16

Tgt Ion: 64 Resp: 18957

Ion Ratio Lower Upper

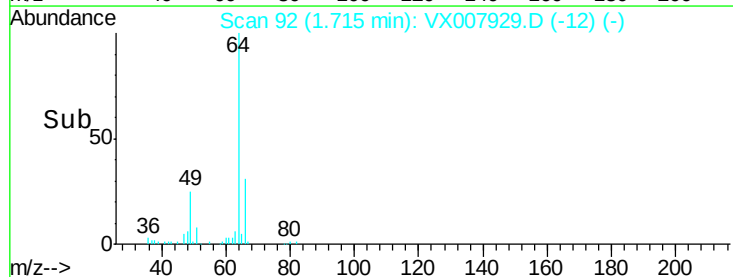
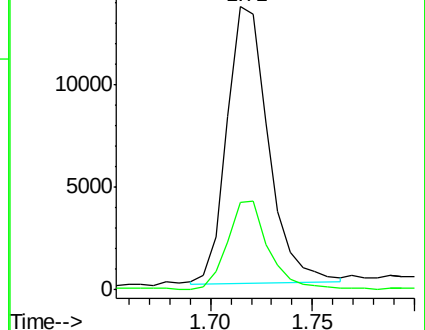
64 100

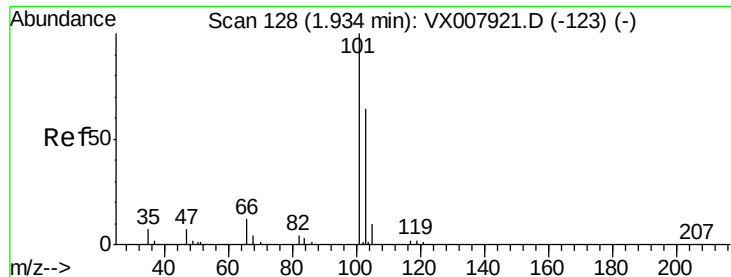
66 31.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



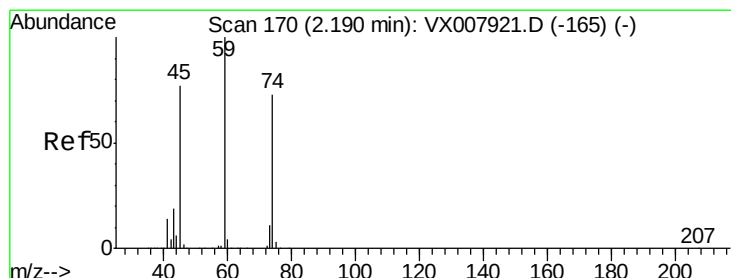
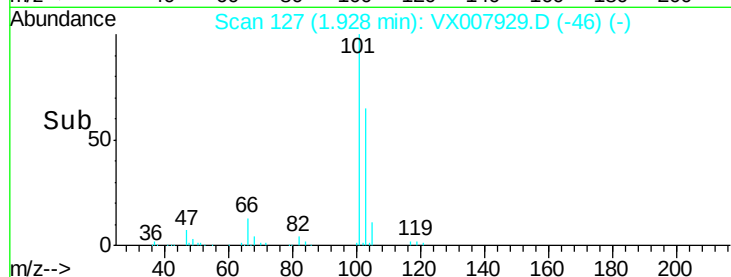
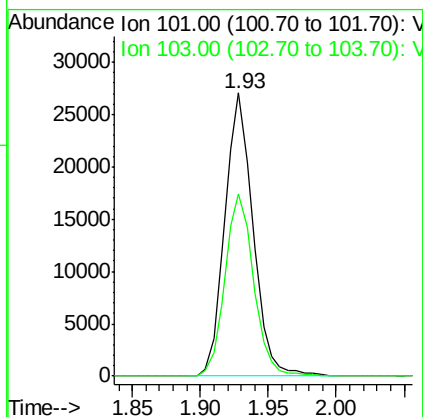
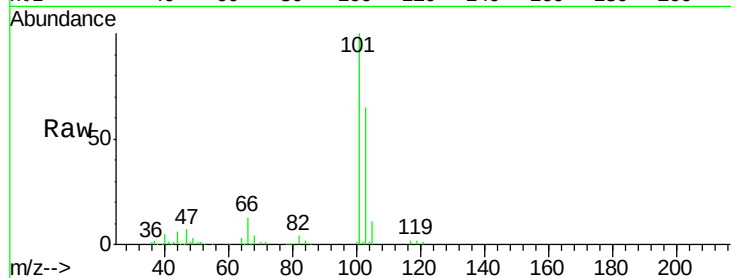


#7

Trichlorofluoromethane
 Concen: 10.623 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

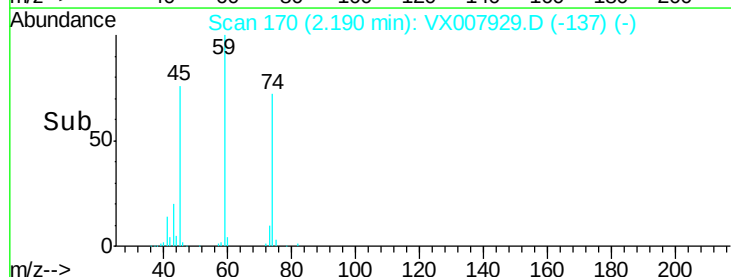
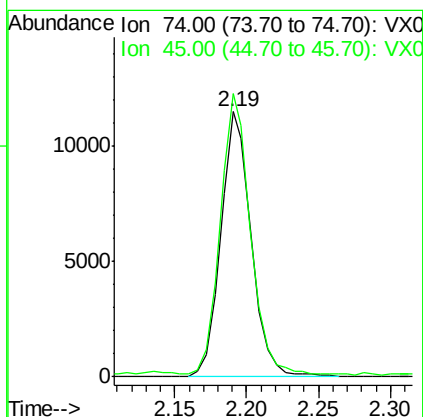
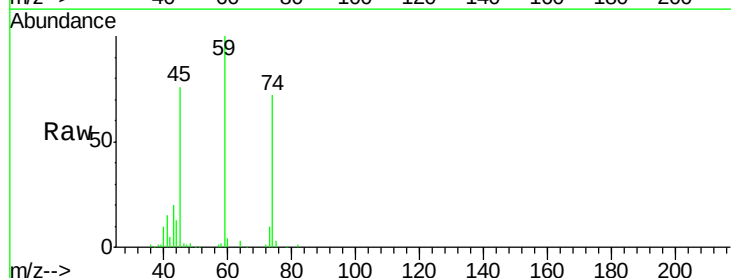
Tot Ion:101 Resp: 38975
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.4 75.6

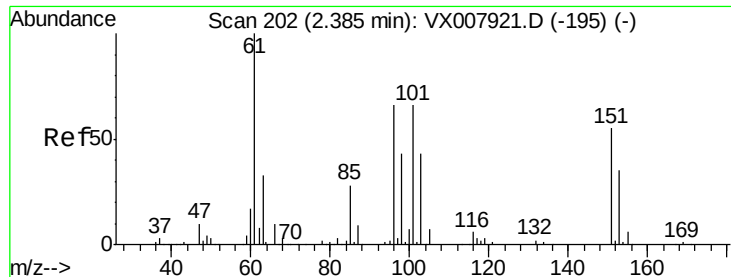


#8

Diethyl Ether
 Concen: 8.995 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 74 Resp: 16996
 Ion Ratio Lower Upper
 74 100
 45 105.0 18.6 167.8

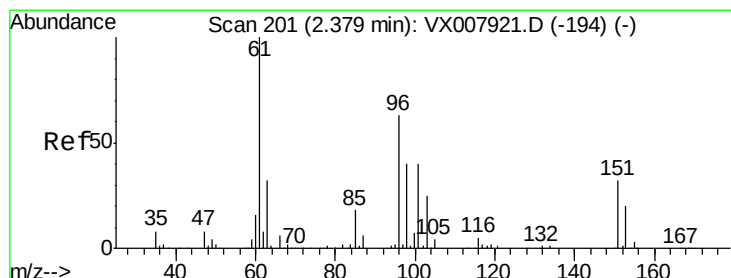
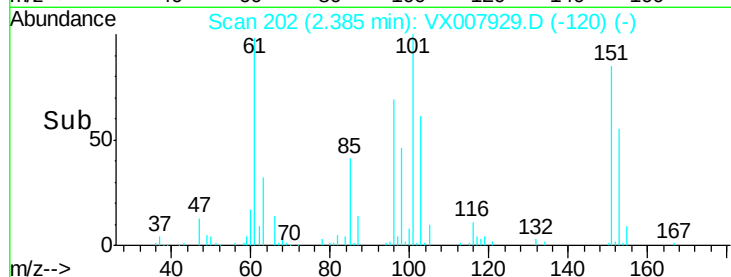
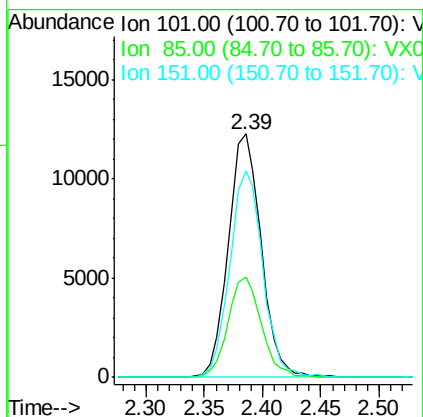
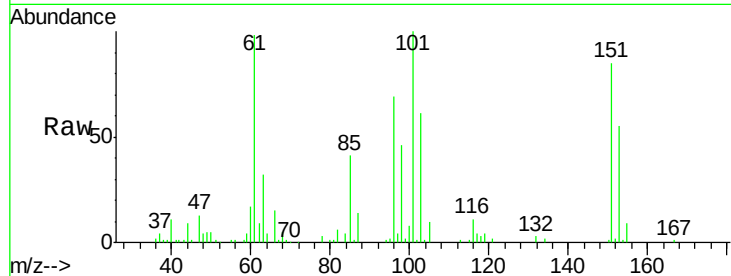




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.775 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

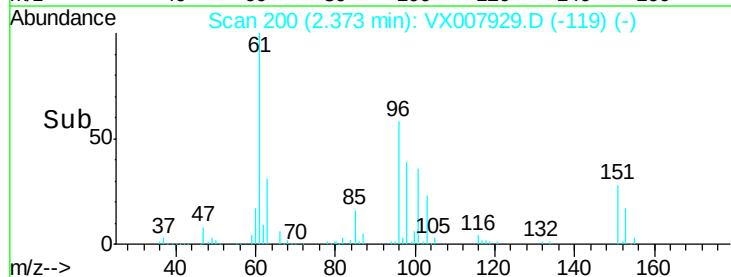
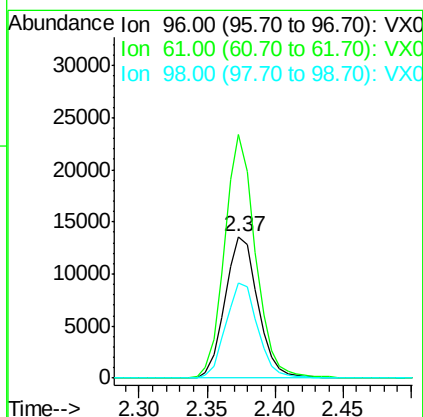
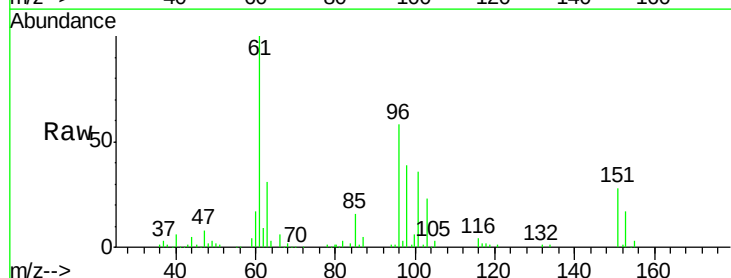
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

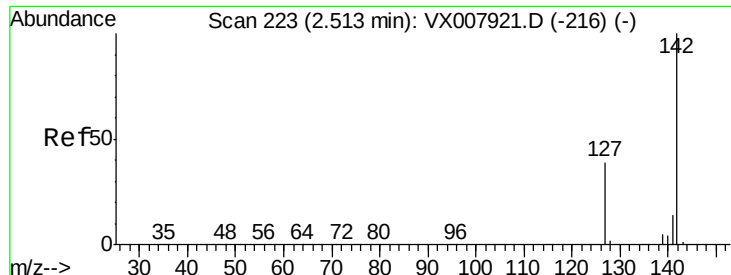
Tot Ion:101 Resp: 24203
 Ion Ratio Lower Upper
 101 100
 85 41.7 0.0 86.8
 151 84.6 0.0 169.2



#10
 1,1-Dichloroethene
 Concen: 8.770 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 96 Resp: 22928
 Ion Ratio Lower Upper
 96 100
 61 171.7 120.2 180.2
 98 67.4 49.0 73.4

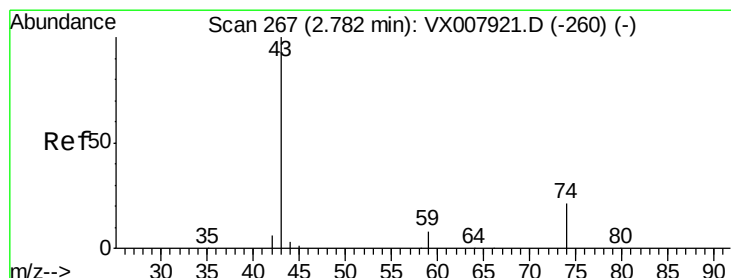
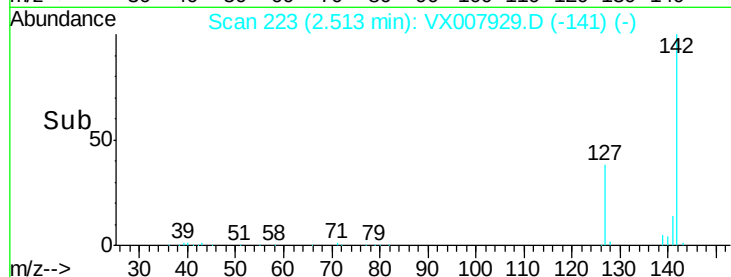
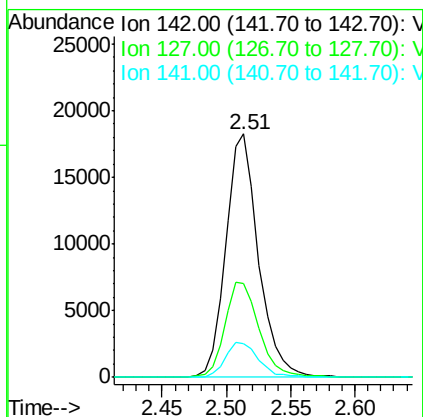
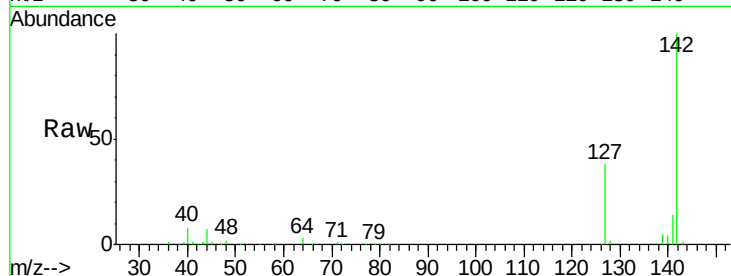




#11
Methvl Iodide
Concen: 7.920 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

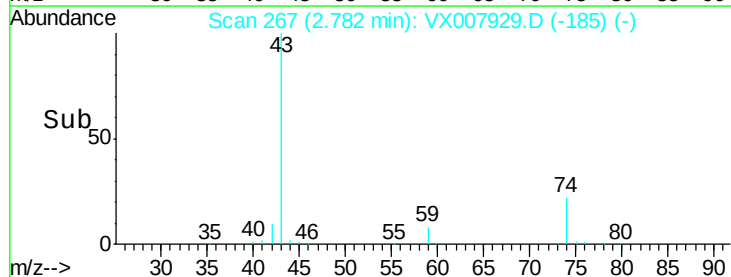
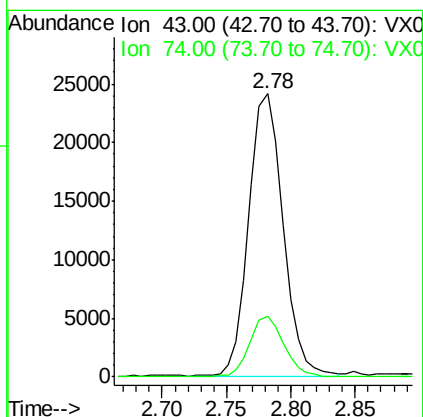
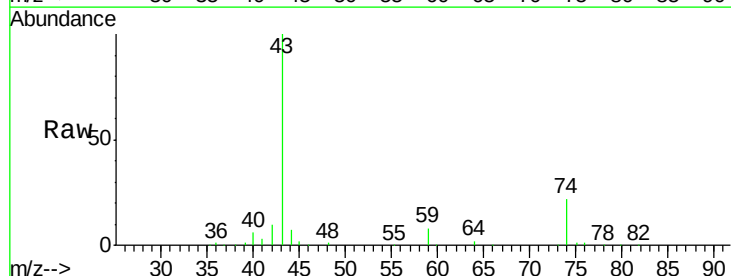
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

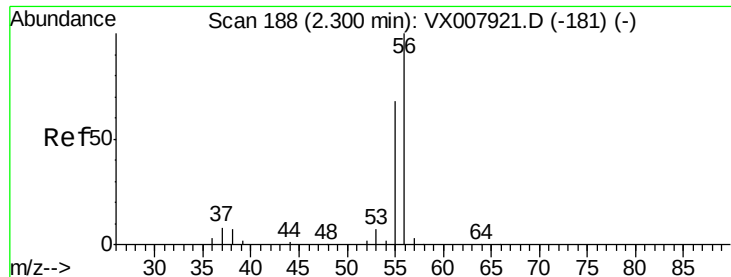
Tot Ion:142 Resp: 32416
Ion Ratio Lower Upper
142 100
127 38.2 22.1 66.5
141 13.8 7.4 22.3



#12
Methyl Acetate
Concen: 10.707 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 43 Resp: 44274
Ion Ratio Lower Upper
43 100
74 21.5 19.4 29.0





#13

Acrolein

Concen: 50.046 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

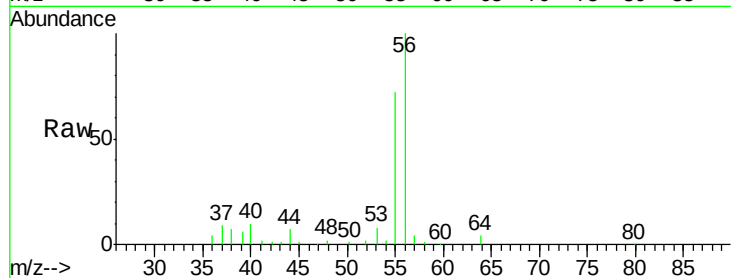
LOQ-WATER-02-QT1-2019

Tot Ion: 56 Resp: 24277

Ion Ratio Lower Upper

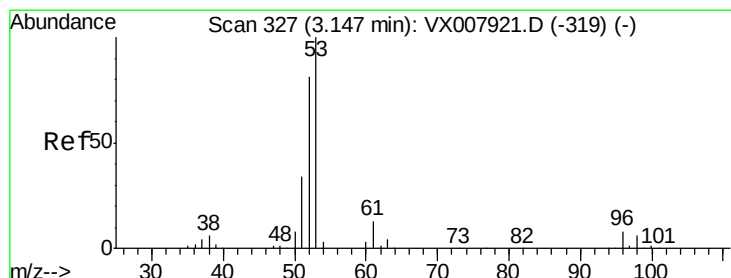
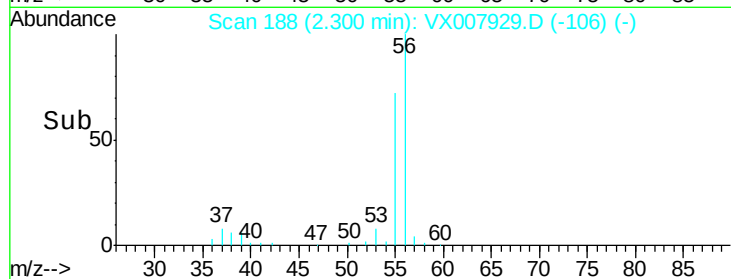
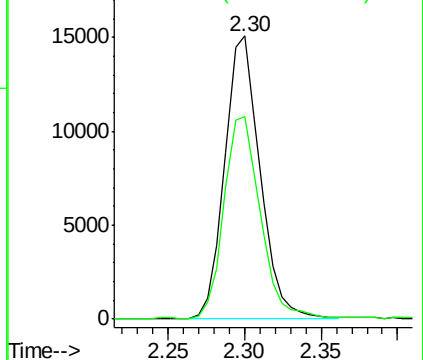
56 100

55 73.6 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 45.778 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

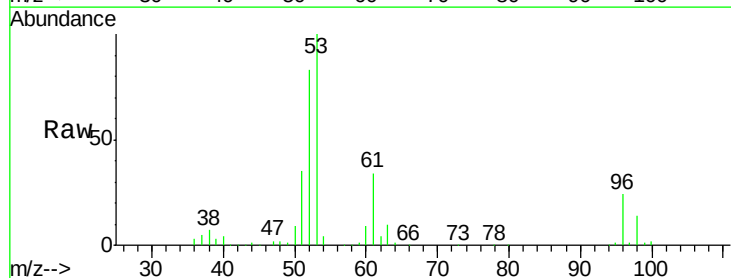
Tgt Ion: 53 Resp: 80351

Ion Ratio Lower Upper

53 100

52 82.6 41.3 124.1

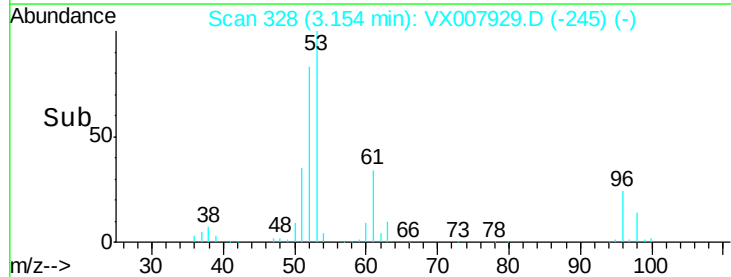
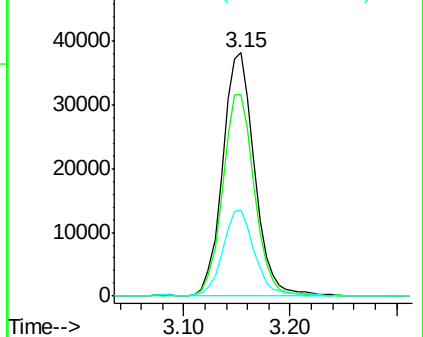
51 34.5 17.5 52.6

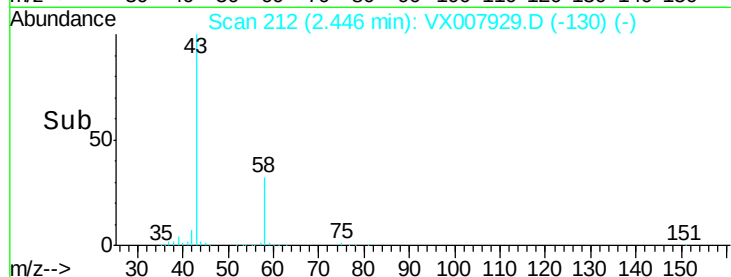
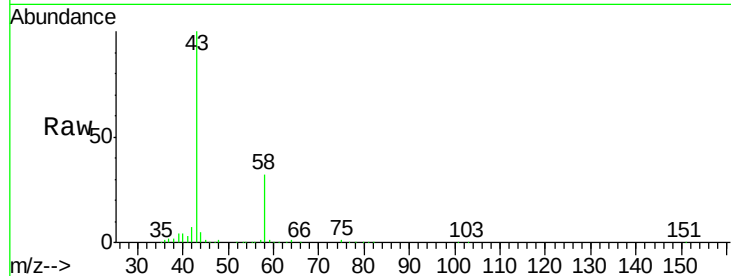
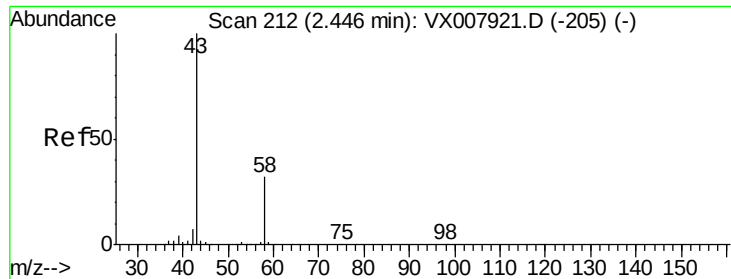


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 37.621 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

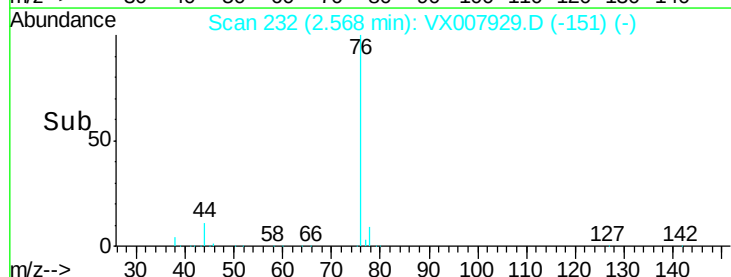
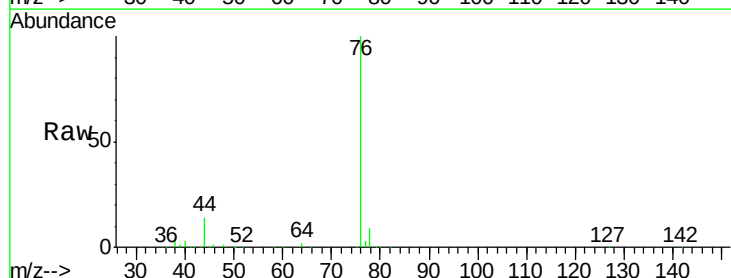
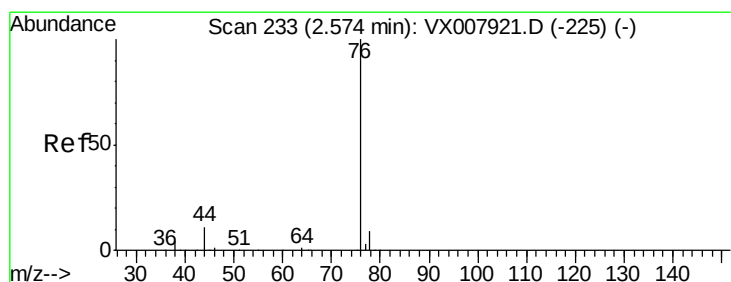
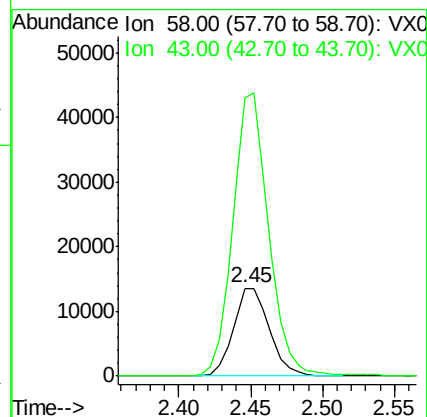
LOQ-WATER-02-QT1-2019

Tot Ion: 58 Resp: 23841

Ion Ratio Lower Upper

58 100

43 316.0 249.8 374.6



#16

Carbon Disulfide

Concen: 8.436 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007929.D

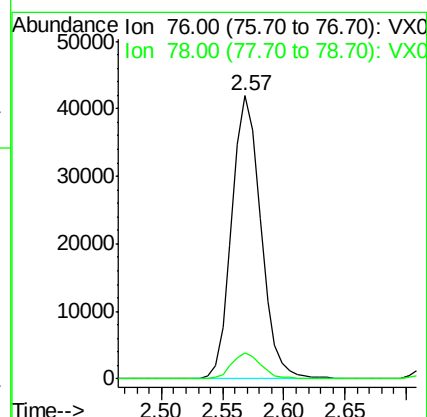
Acq: 08 Mar 2019 14:16

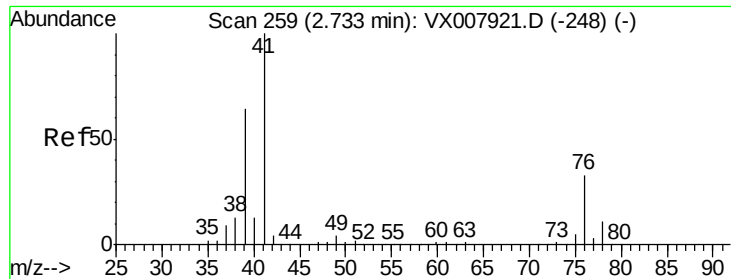
Tgt Ion: 76 Resp: 69196

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

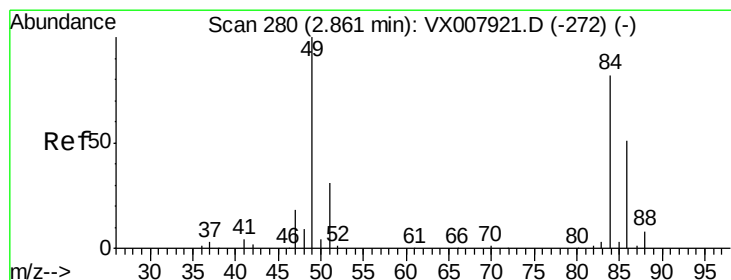
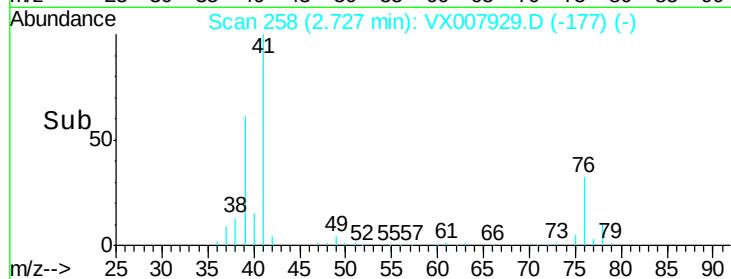
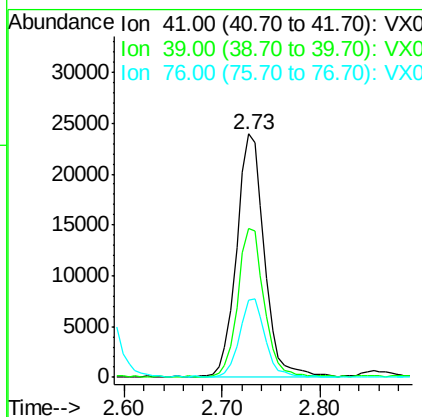
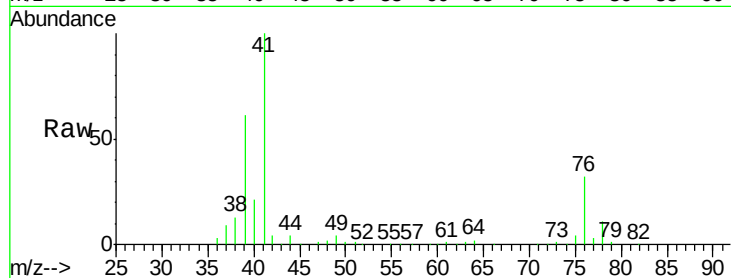




#17
Allvl chloride
Concen: 8.739 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

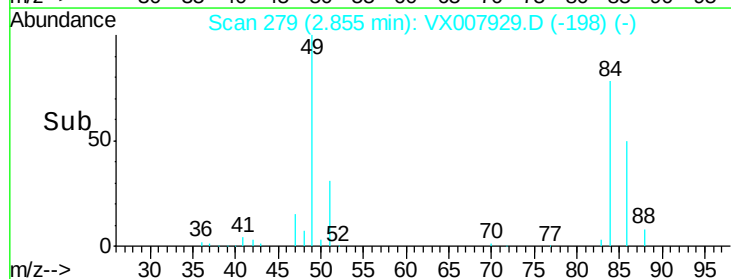
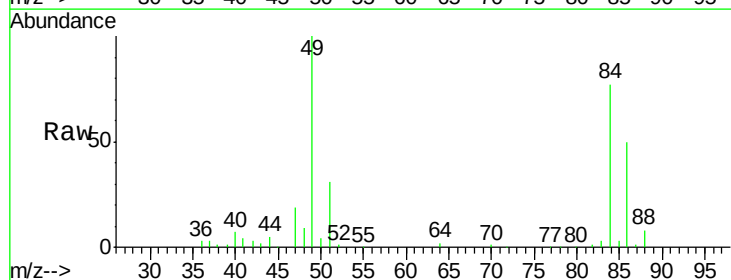
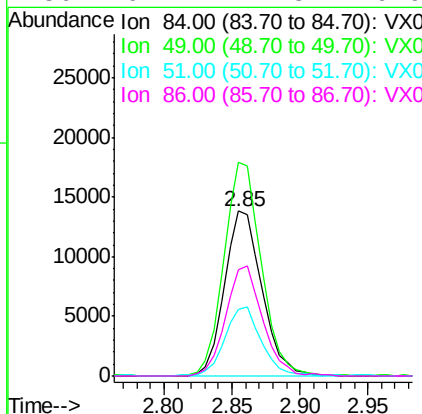
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

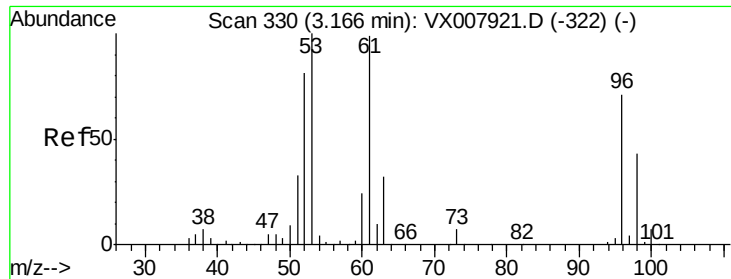
Tot Ion: 41 Resp: 46843
Ion Ratio Lower Upper
41 100
39 60.7 35.8 107.4
76 31.6 18.3 54.9



#18
Methylene Chloride
Concen: 8.906 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 84 Resp: 26527
Ion Ratio Lower Upper
84 100
49 129.1 96.1 144.1
51 39.9 29.1 43.7
86 64.4 47.3 70.9

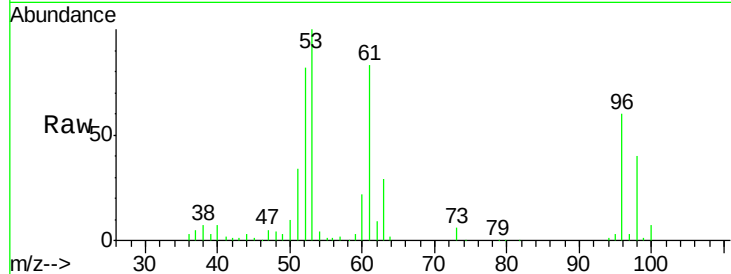




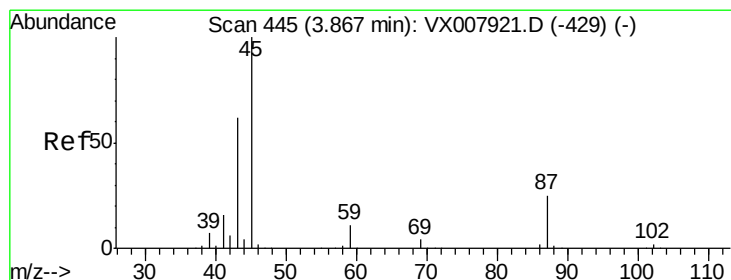
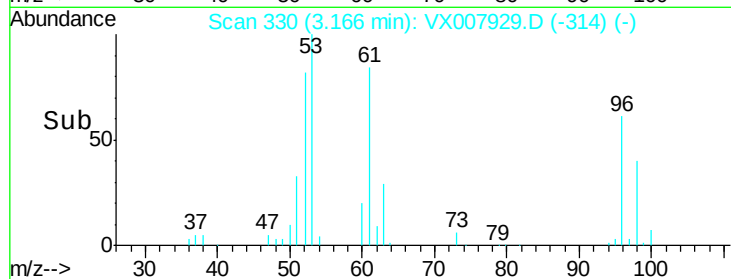
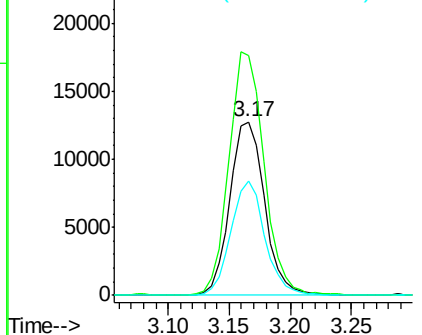
#19
trans-1,2-Dichloroethene
Concen: 9.119 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 96 Resp: 25225
Ion Ratio Lower Upper
96 100
61 138.4 109.9 164.9
98 65.8 50.4 75.6

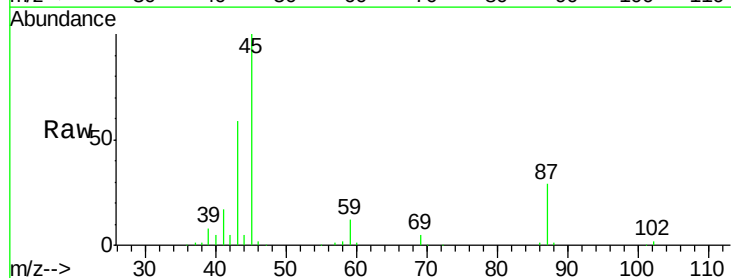


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

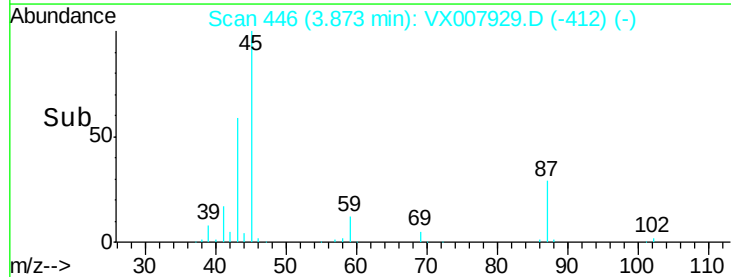
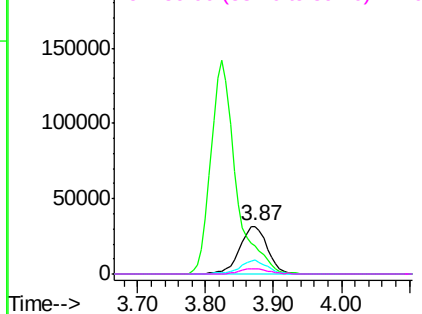


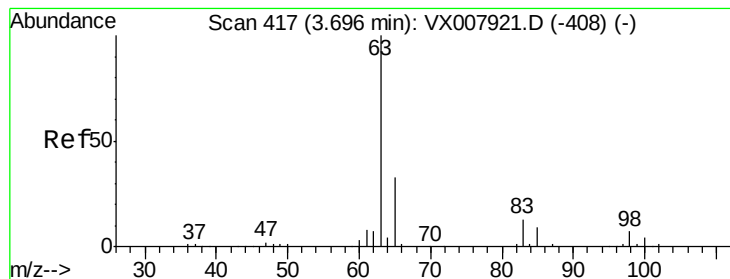
#20
Diisopropyl ether
Concen: 9.192 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 45 Resp: 90133
Ion Ratio Lower Upper
45 100
43 58.4 50.6 76.0
87 29.2 24.5 36.7
59 12.1 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 8.976 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

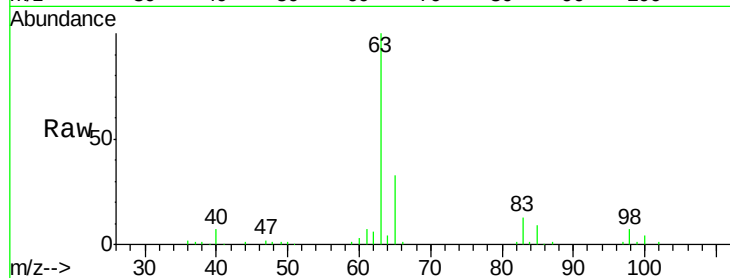
Tot Ion: 63 Resp: 47871

Ion Ratio Lower Upper

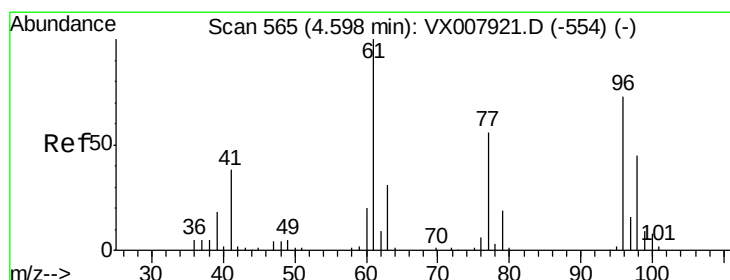
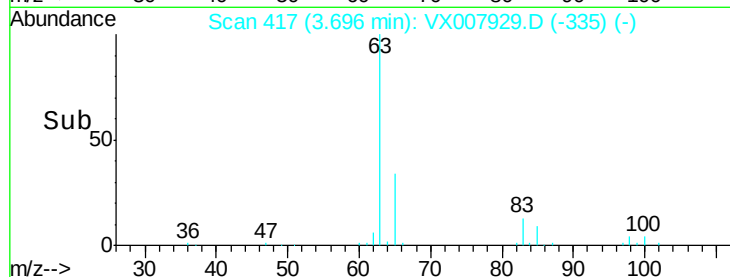
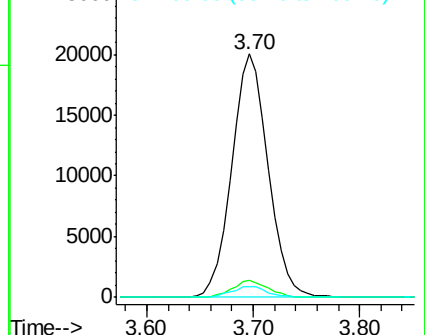
63 100

98 7.2 3.8 11.4

100 4.4 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 8.996 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

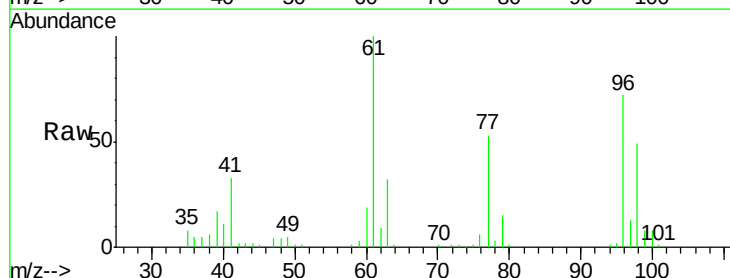
Tgt Ion: 96 Resp: 28706

Ion Ratio Lower Upper

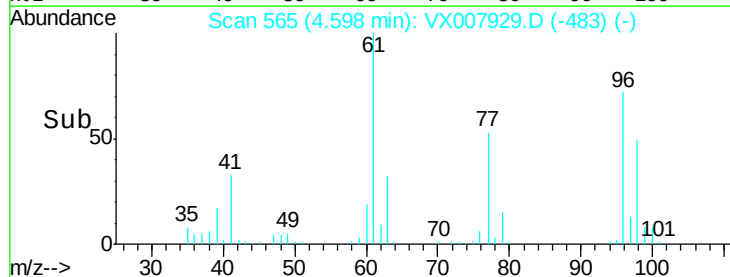
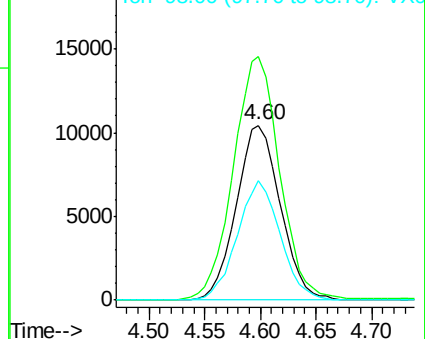
96 100

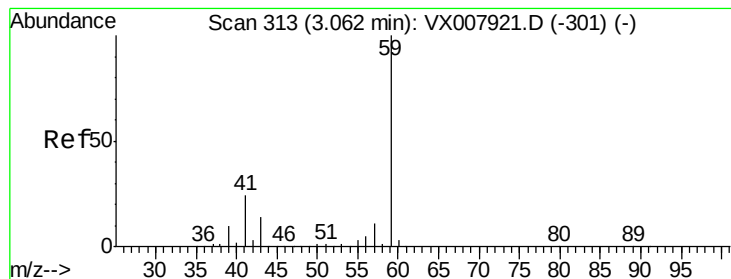
61 146.9 103.5 155.3

98 66.3 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



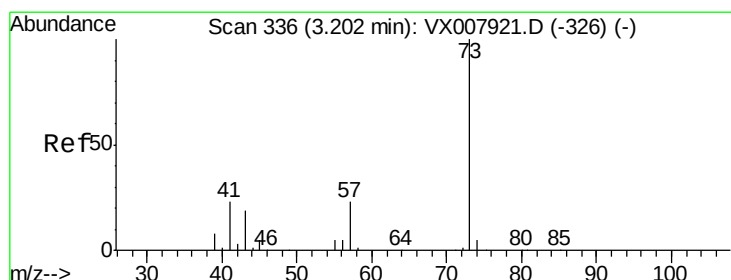
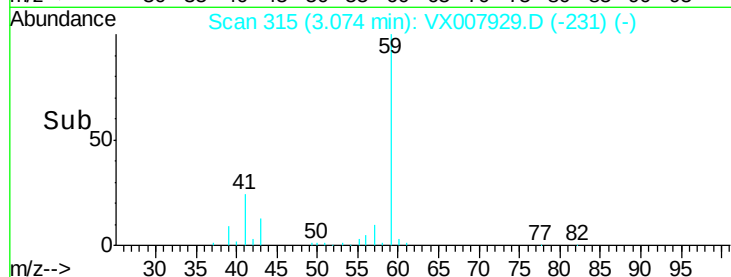
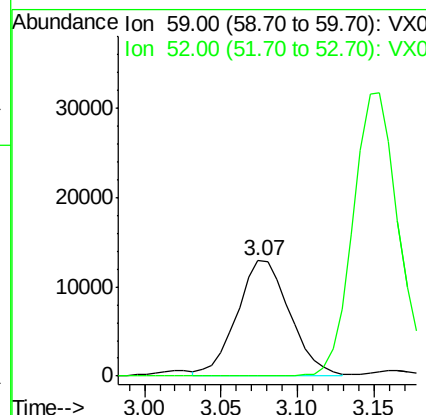
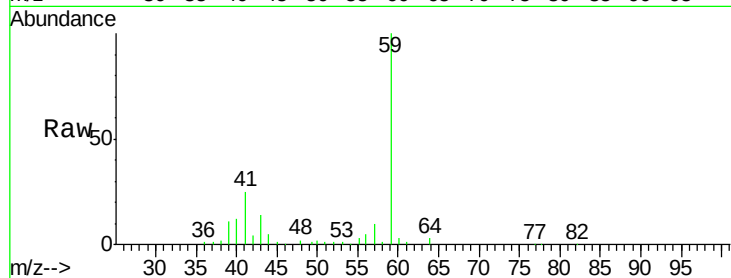


#23

tert-Butyl Alcohol
 Concen: 43.877 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

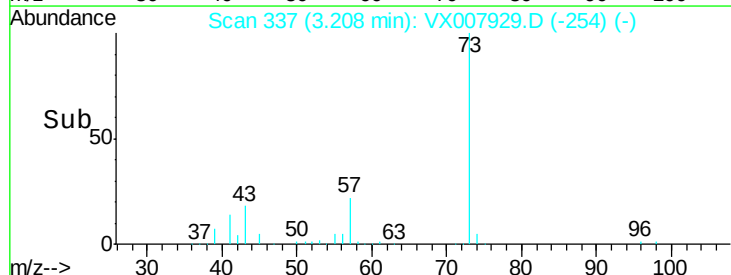
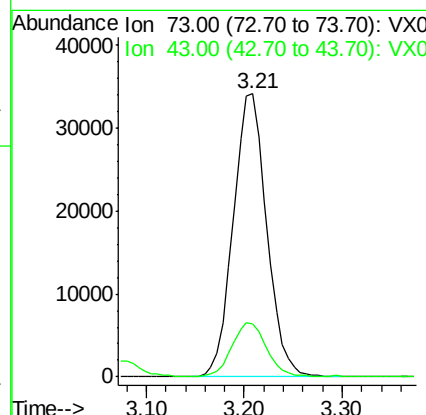
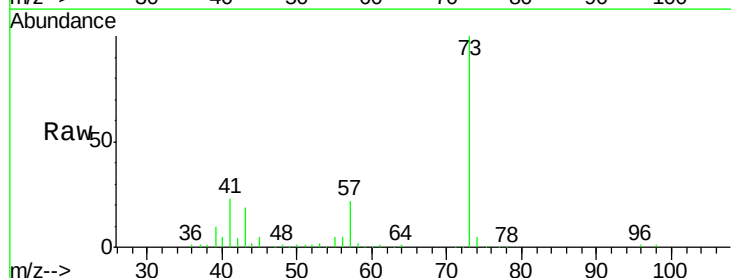
Tot Ion: 59 Resp: 31070
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

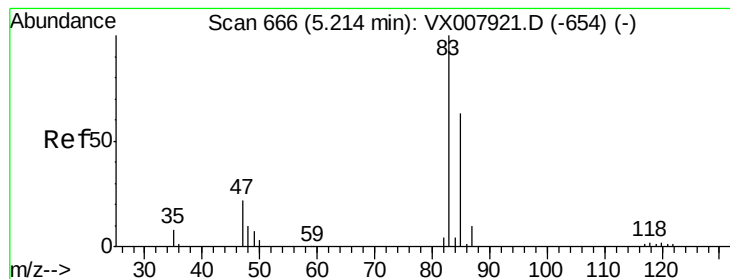


#24

Methyl tert-Butyl Ether
 Concen: 9.037 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 73 Resp: 81235
 Ion Ratio Lower Upper
 73 100
 43 18.8 17.1 25.7





#25

Chloroform

Concen: 9.184 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

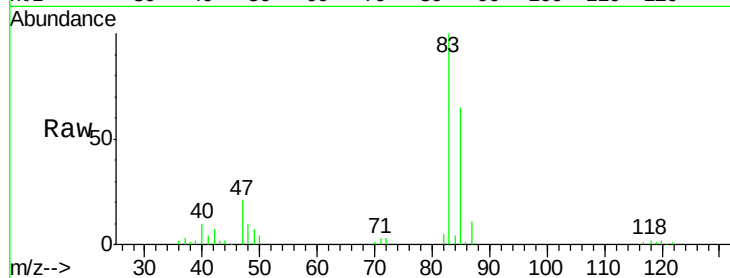
LOQ-WATER-02-QT1-2019

Tot Ion: 83 Resp: 46231

Ion Ratio Lower Upper

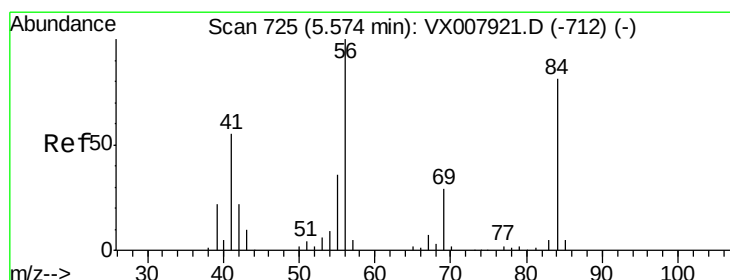
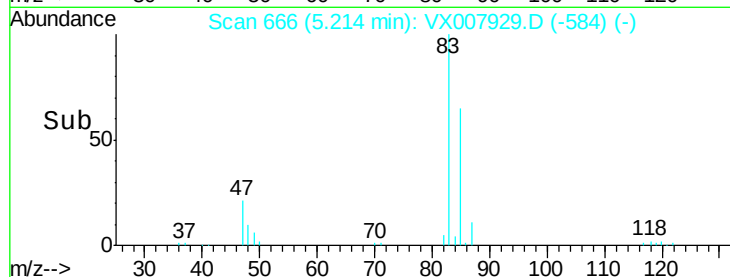
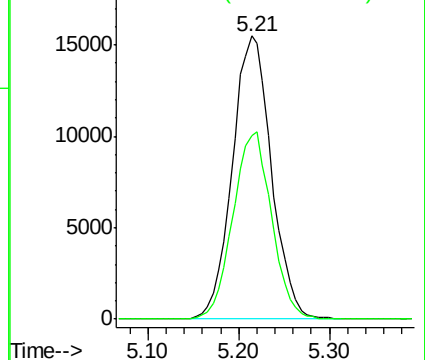
83 100

85 65.0 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 8.768 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

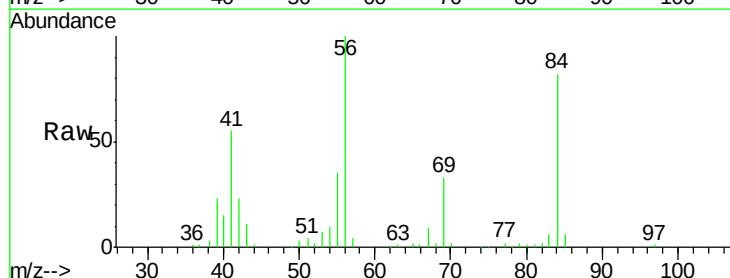
Tgt Ion: 56 Resp: 43209

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

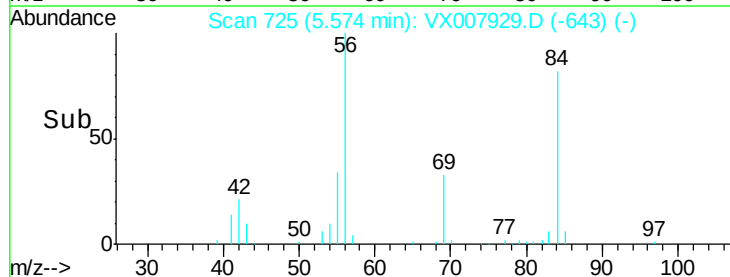
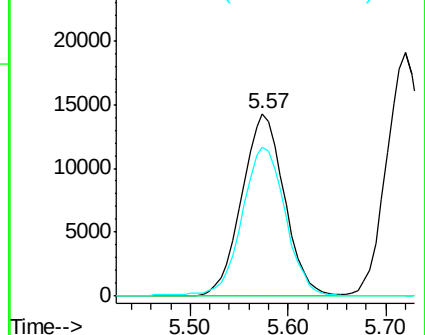
84 82.6 73.9 110.9

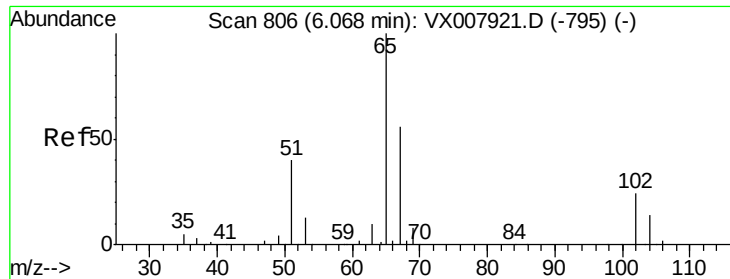


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

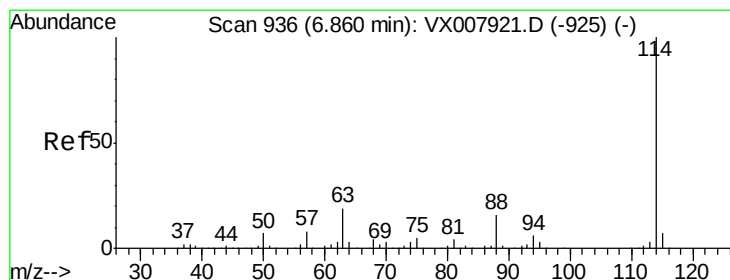
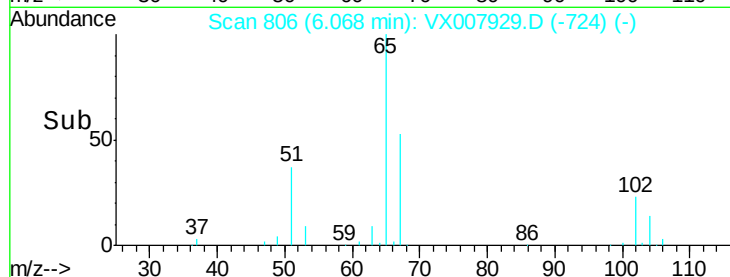
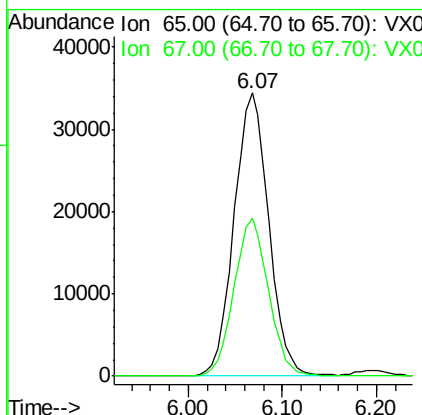
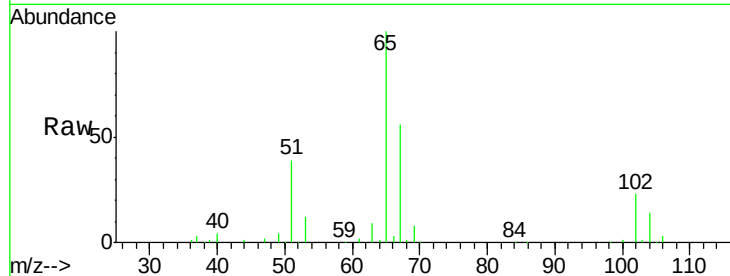




#27
 1,2-Dichloroethane-d4
 Concen: 29.851 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

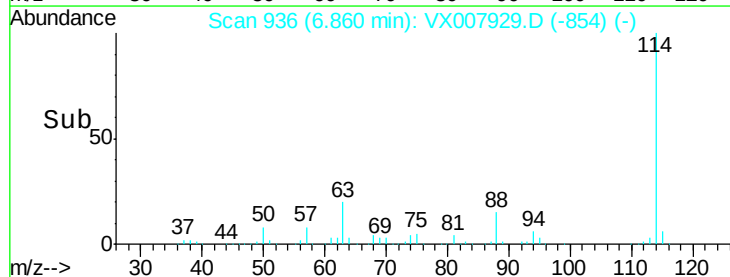
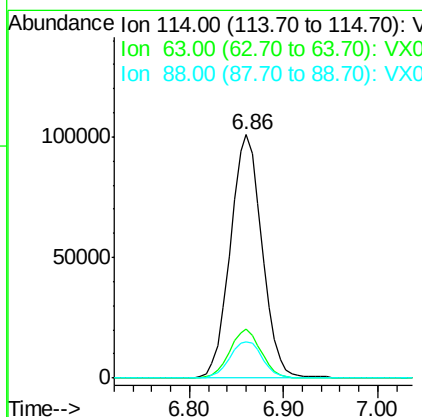
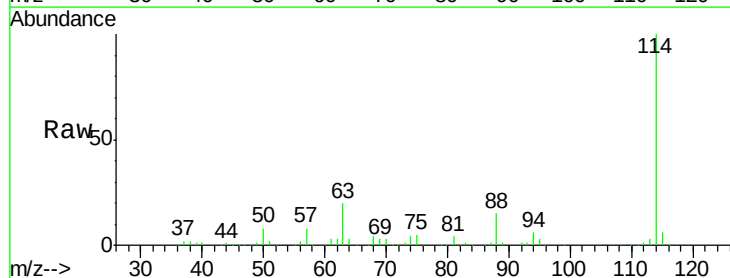
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

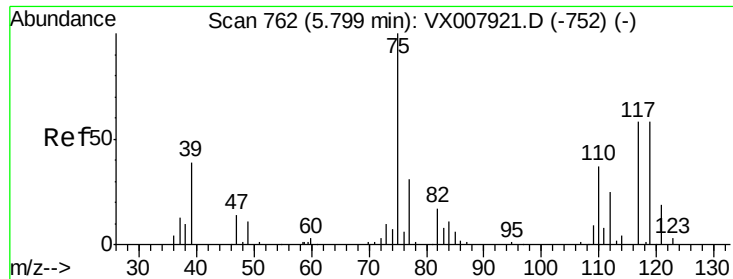
Tot Ion: 65 Resp: 88404
 Ion Ratio Lower Upper
 65 100
 67 55.3 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 114 Resp: 236597
 Ion Ratio Lower Upper
 114 100
 63 19.8 14.2 21.4
 88 15.5 11.9 17.9

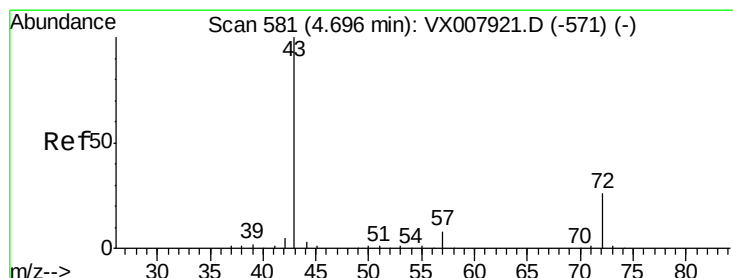
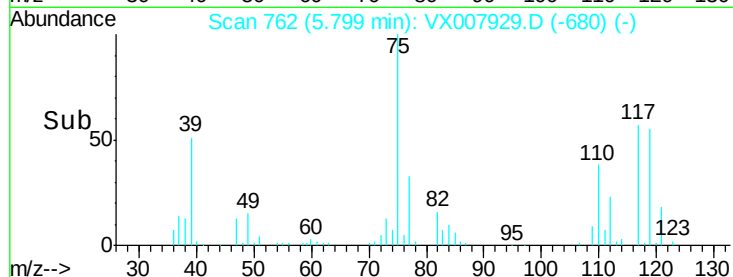
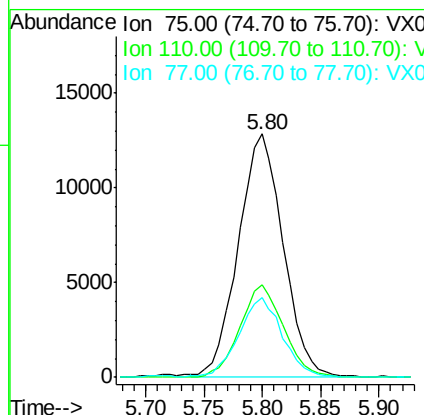
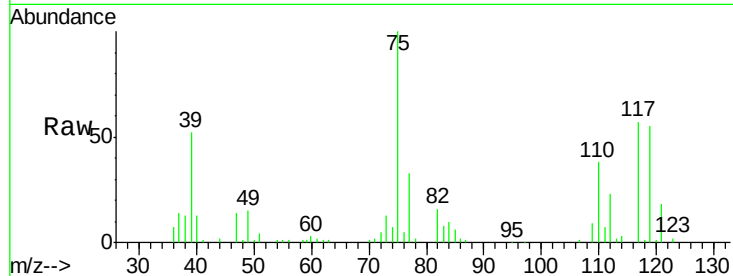




#29
 1,1-Dichloropropene
 Concen: 9.204 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

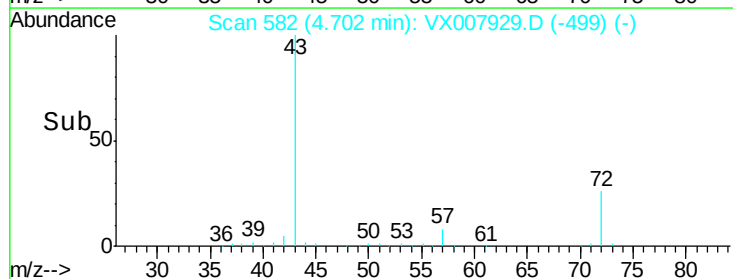
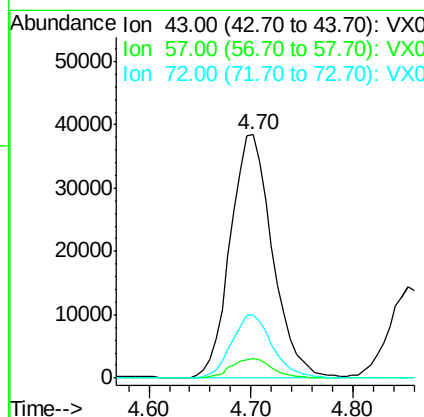
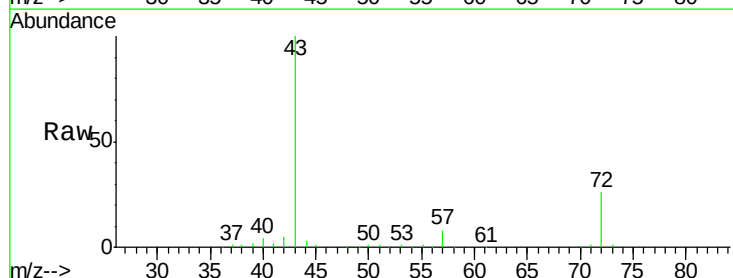
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

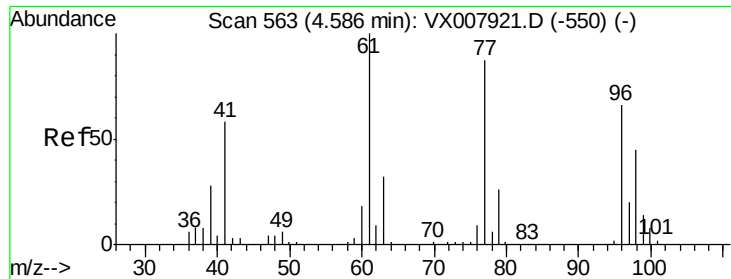
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	80.8
77	31.8	0.0	62.4



#30
 2-Butanone
 Concen: 43.152 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	7.0	10.6
72	25.7	21.5	32.3

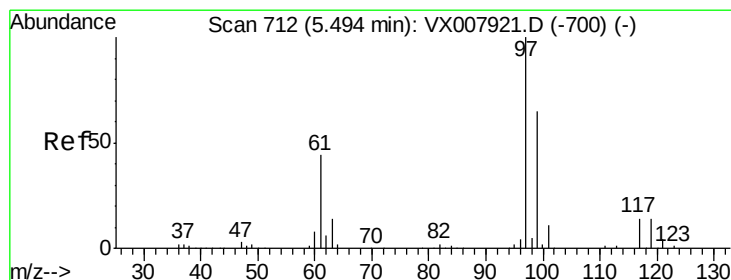
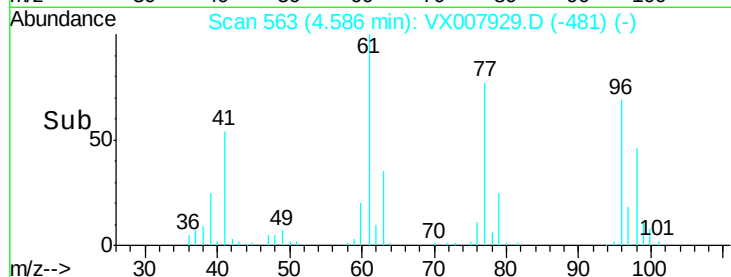
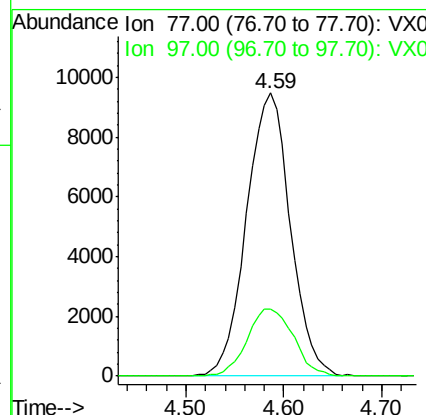
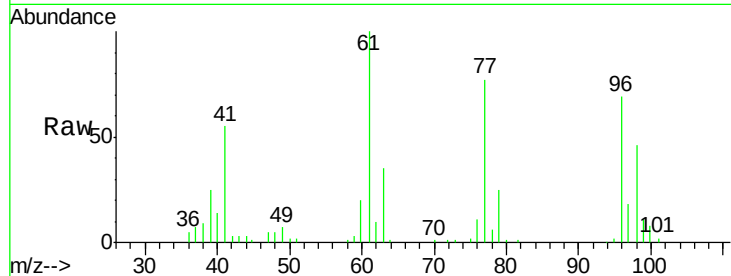




#31
 2,2-Dichloropropane
 Concen: 8.527 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

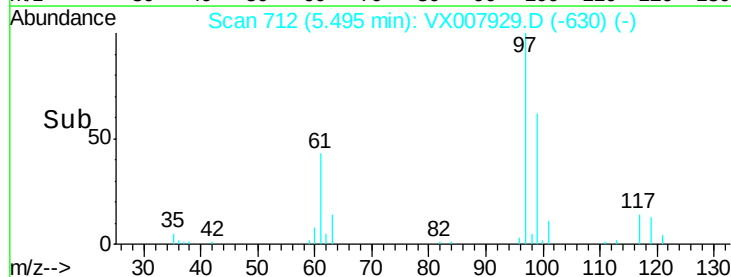
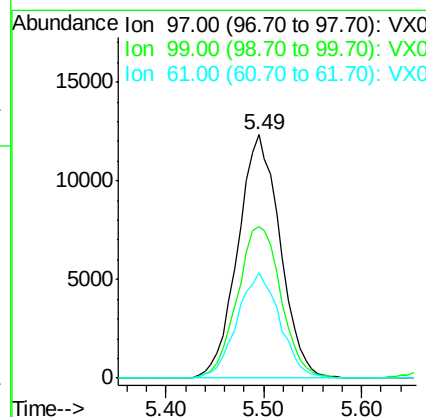
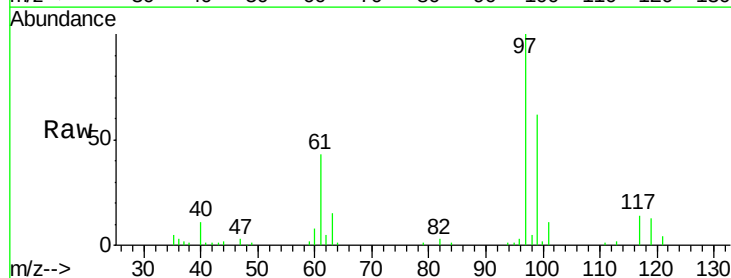
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

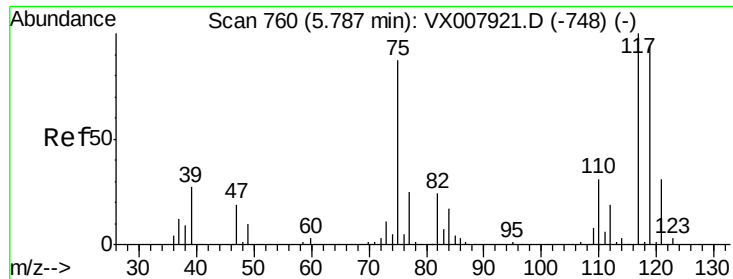
Tot Ion: 77 Resp: 29546
 Ion Ratio Lower Upper
 77 100
 97 25.1 20.6 31.0



#32
 1,1,1-Trichloroethane
 Concen: 9.118 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 97 Resp: 36986
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 43.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 8.925 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

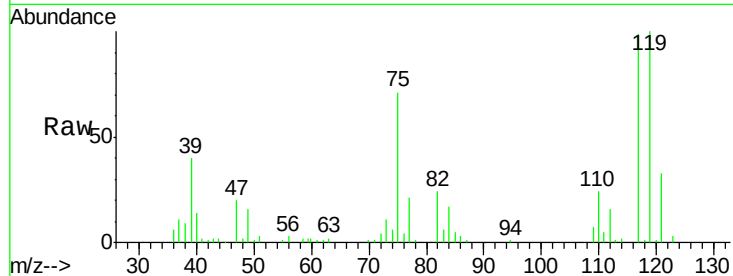
Tot Ion:117 Resp: 32114

Ion Ratio Lower Upper

117 100

119 100.7 78.1 117.1

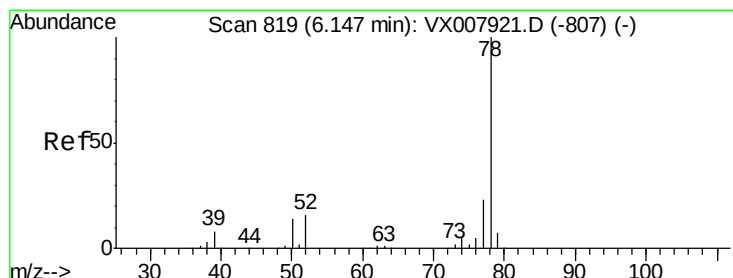
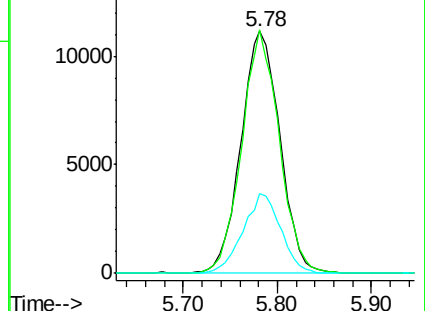
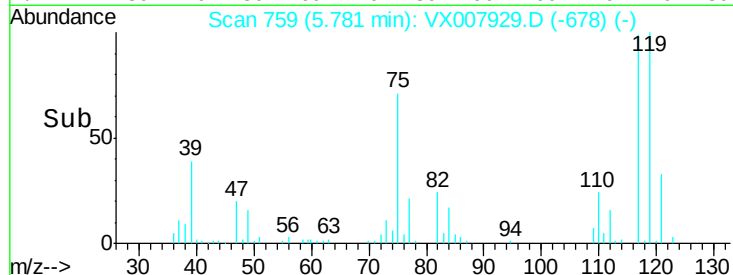
121 33.1 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 9.414 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

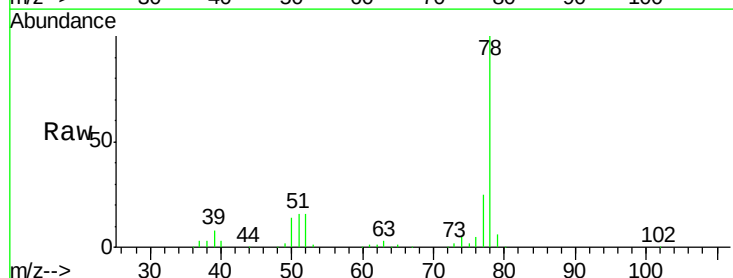
Tgt Ion: 78 Resp: 108223

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7

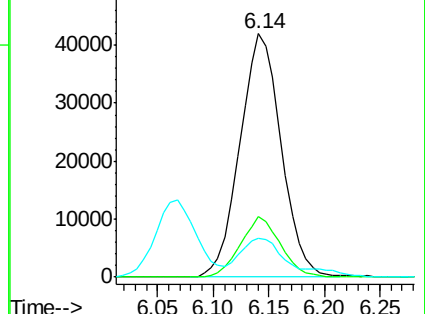
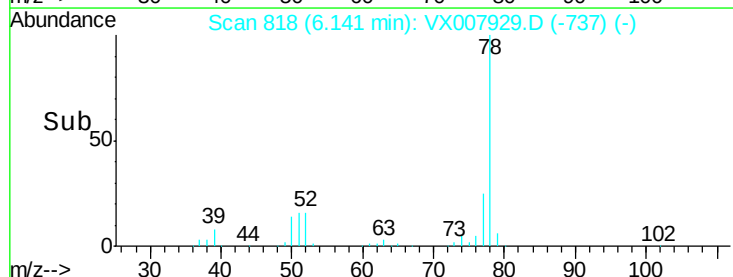
51 13.8 10.8 16.2

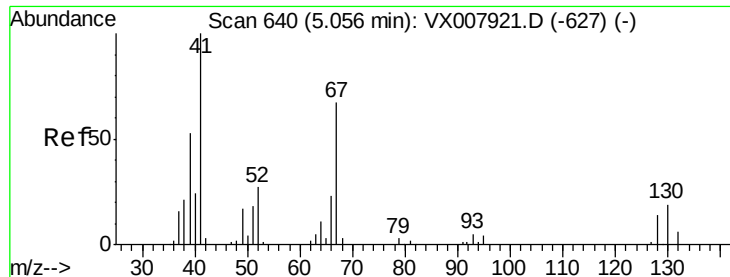


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

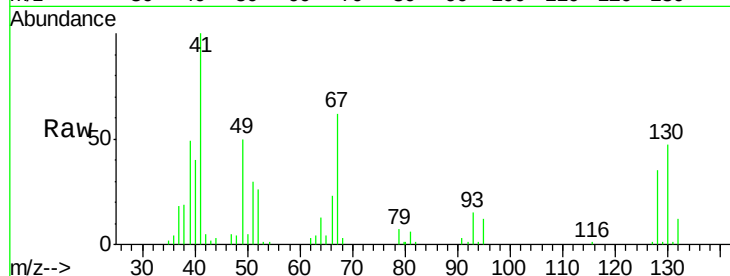




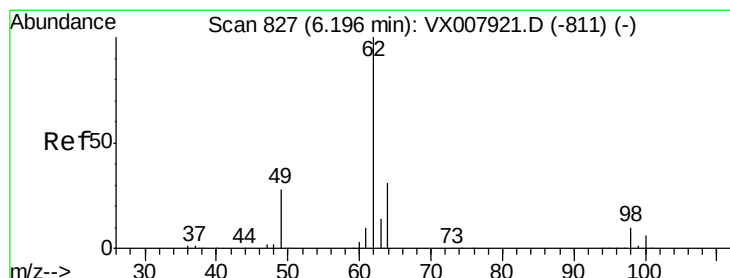
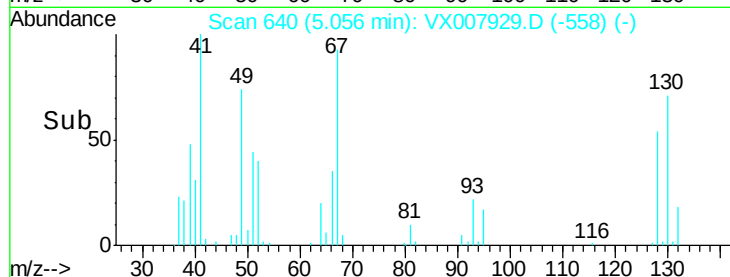
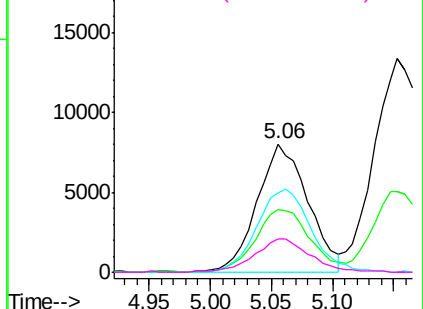
#35
Methacrylonitrile
Concen: 9.418 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 41 Resp: 23222
Ion Ratio Lower Upper
41 100
39 48.5 27.4 82.0
67 61.5 37.9 113.6
52 26.4 13.3 39.9

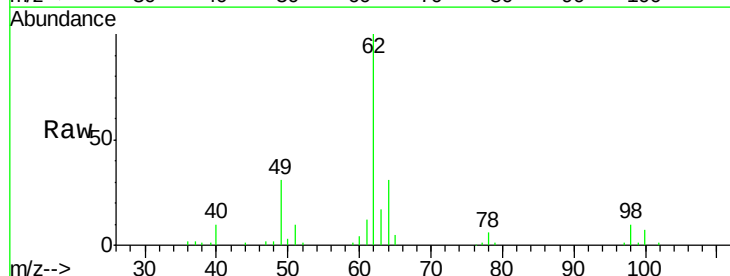


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

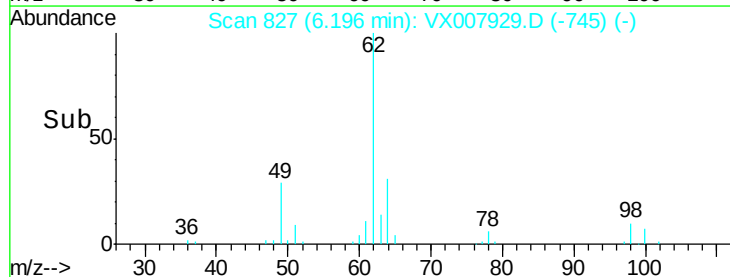
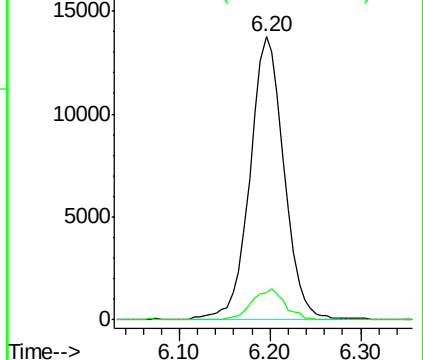


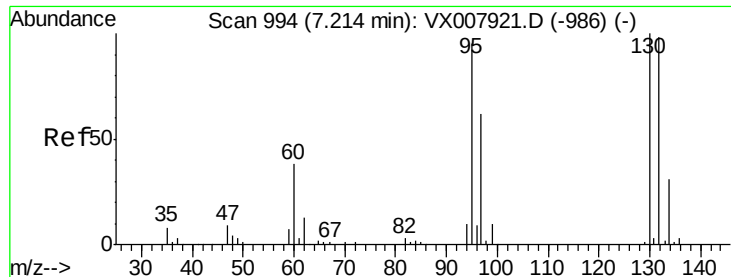
#36
1,2-Dichloroethane
Concen: 9.582 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 62 Resp: 35840
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.8



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

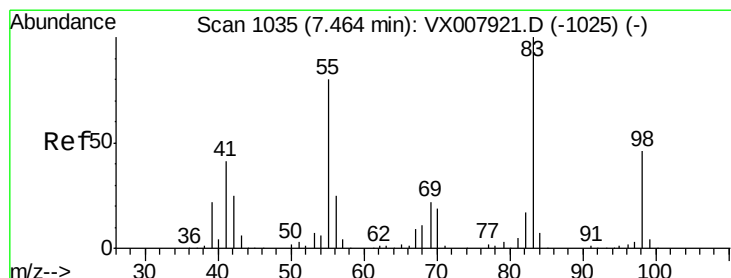
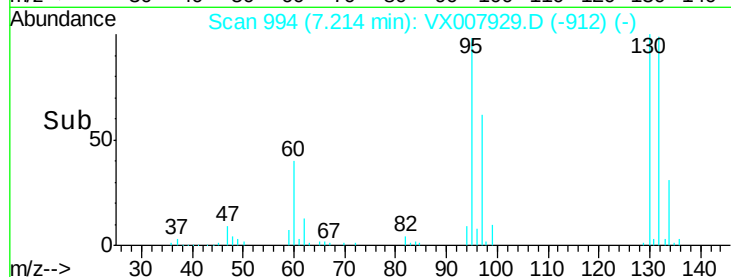
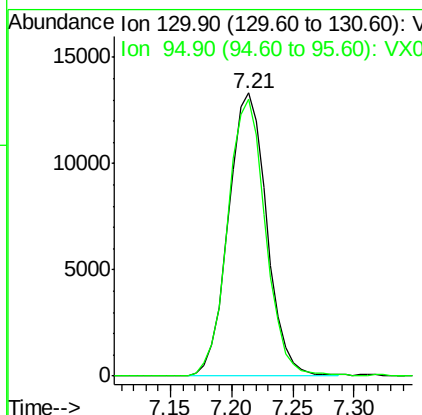
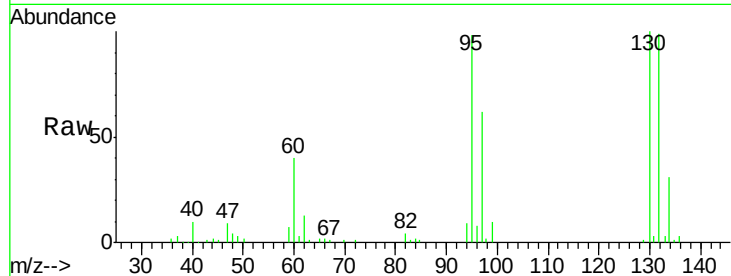




#37
 Trichloroethene
 Concen: 9.287 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

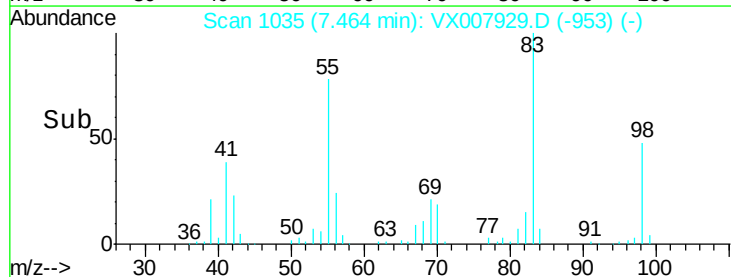
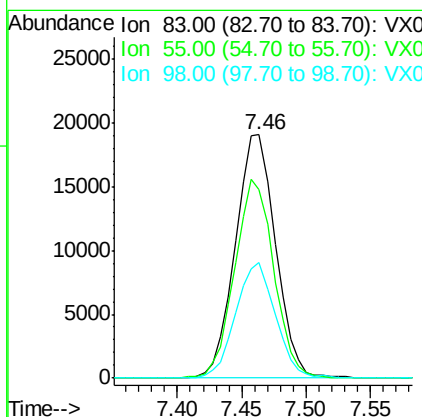
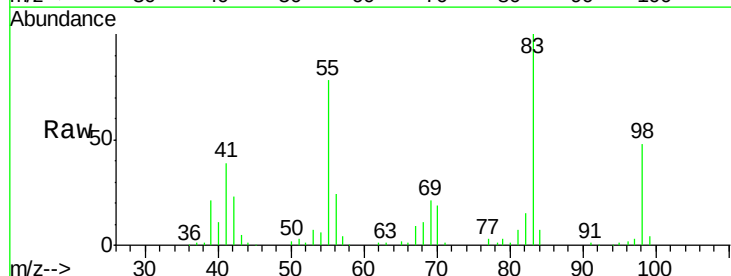
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

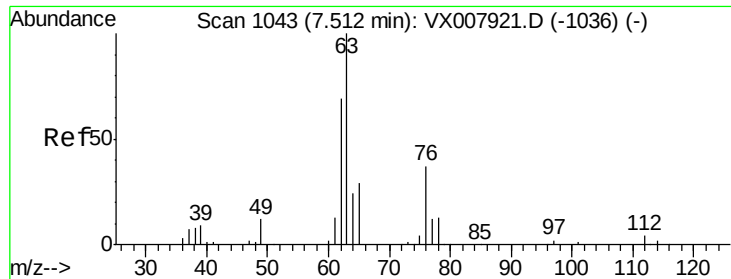
Tot Ion:130 Resp: 28927
 Ion Ratio Lower Upper
 130 100
 95 97.8 71.3 106.9



#38
 Methylcyclohexane
 Concen: 8.719 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 83 Resp: 41585
 Ion Ratio Lower Upper
 83 100
 55 79.2 36.0 108.0
 98 46.4 23.8 71.4





#39

1,2-Dichloropropane

Concen: 9.629 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

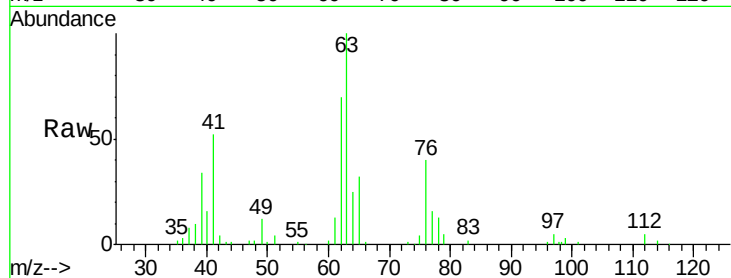
LOQ-WATER-02-QT1-2019

Tot Ion: 63 Resp: 28871

Ion Ratio Lower Upper

63 100

65 32.5 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

15000

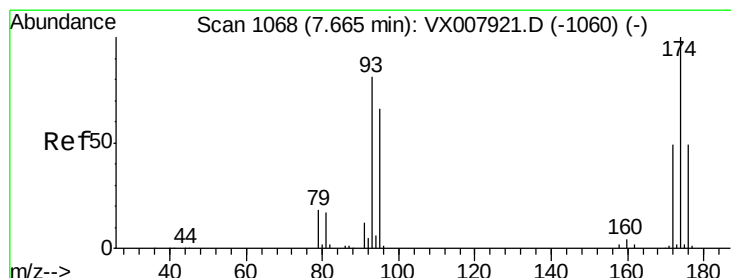
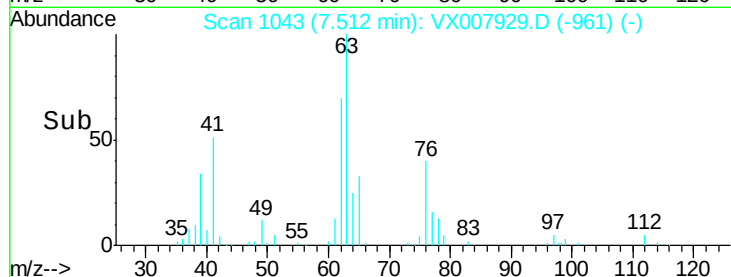
10000

5000

0

7.40 7.45 7.50 7.55 7.60

Time-->



#40

Dibromomethane

Concen: 9.352 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

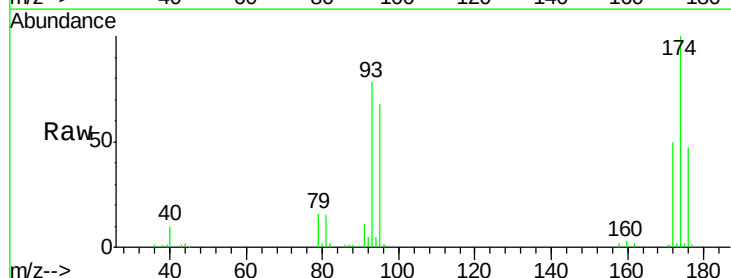
Tgt Ion: 93 Resp: 17786

Ion Ratio Lower Upper

93 100

95 85.0 0.0 158.8

174 123.4 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

15000

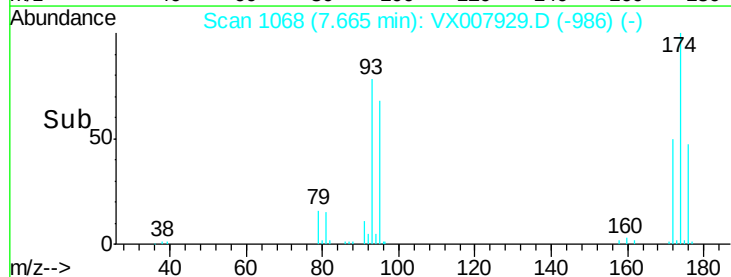
10000

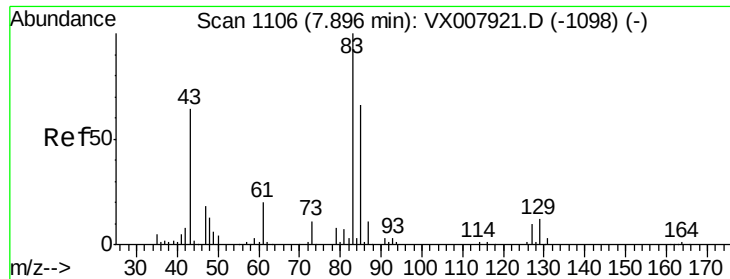
5000

0

7.60 7.65 7.70 7.75

Time-->





#41

Bromodichloromethane

Concen: 9.163 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

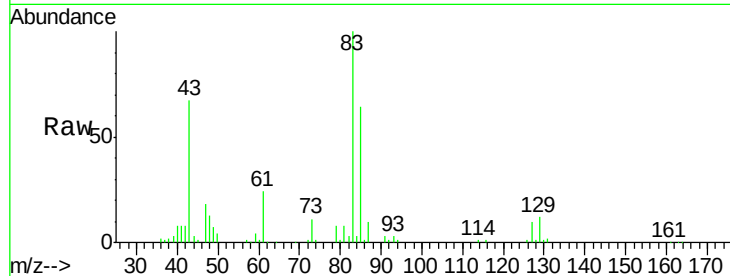
Tot Ion: 83 Resp: 32937

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

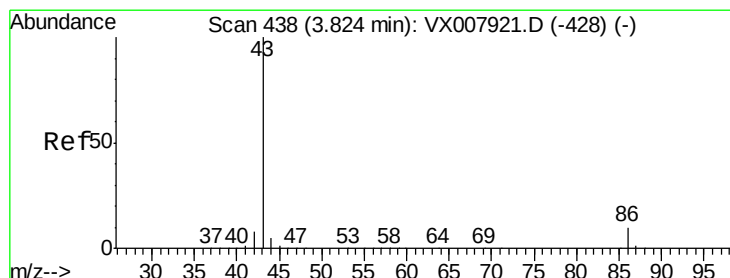
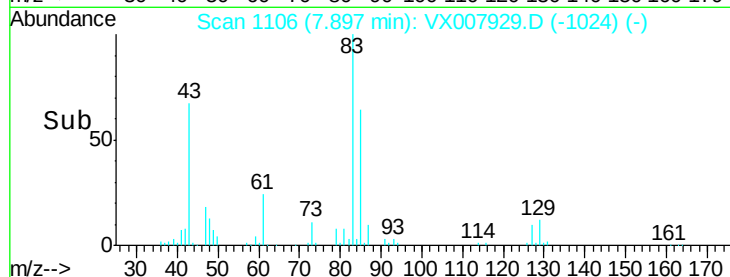
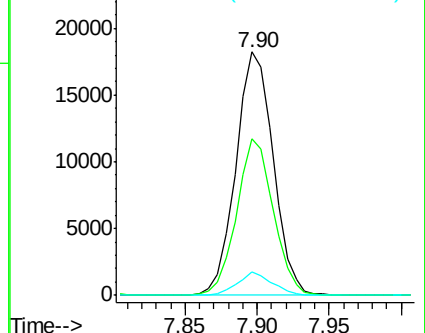
127 9.9 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 44.249 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007929.D

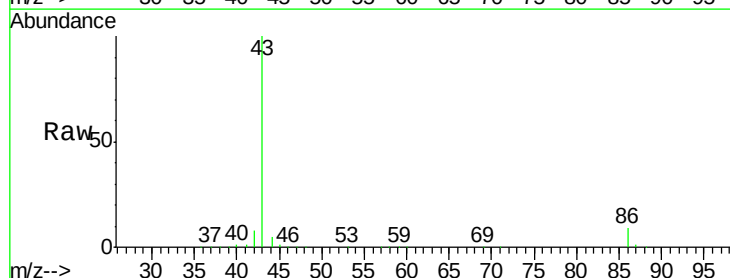
Acq: 08 Mar 2019 14:16

Tgt Ion: 43 Resp: 362416

Ion Ratio Lower Upper

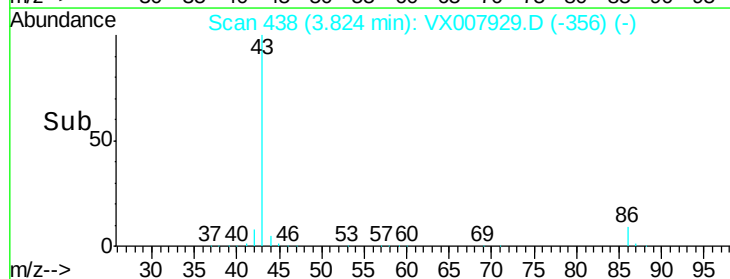
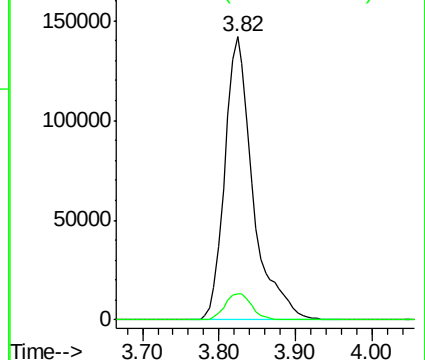
43 100

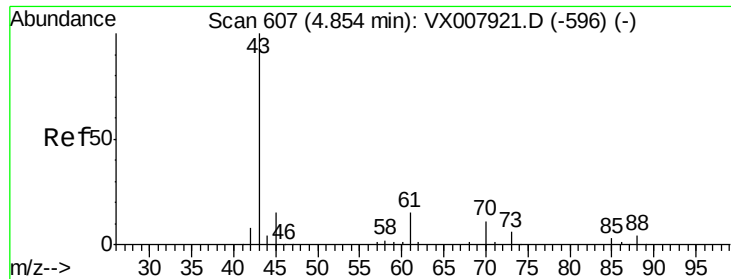
86 8.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

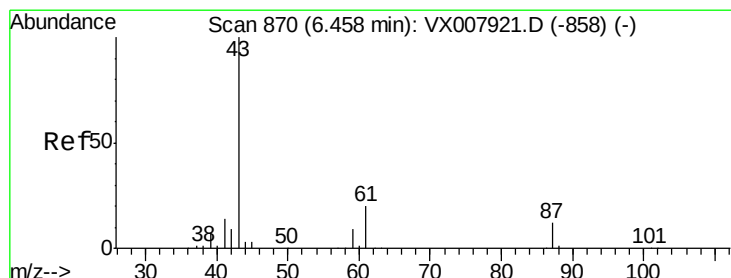
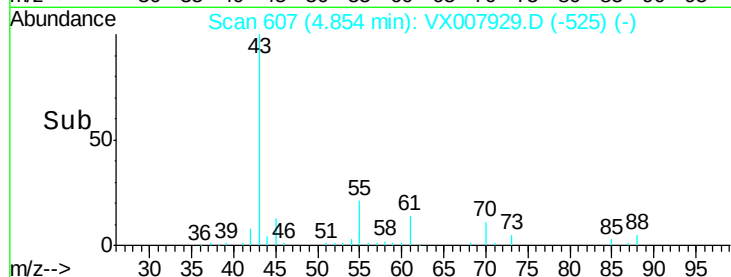
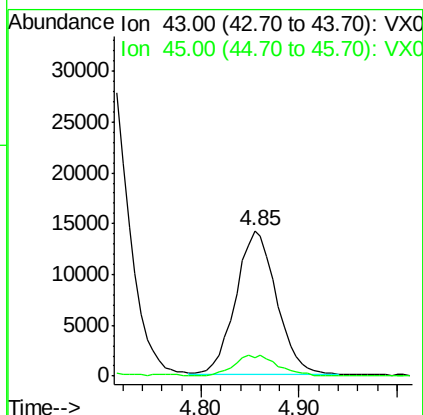
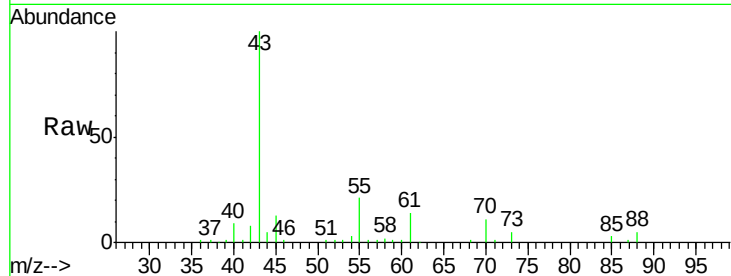




#43
Ethyl Acetate
Concen: 9.280 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

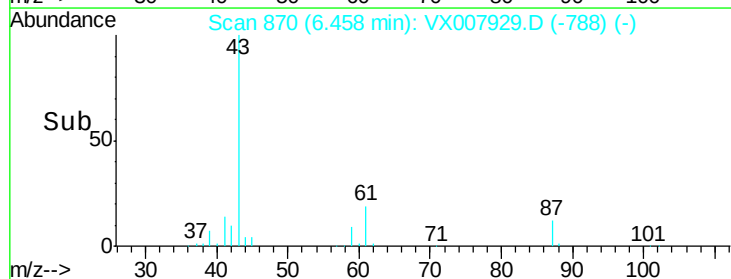
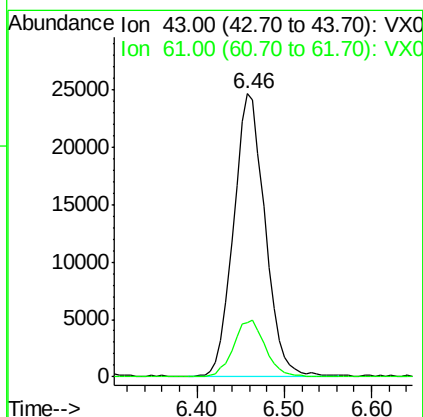
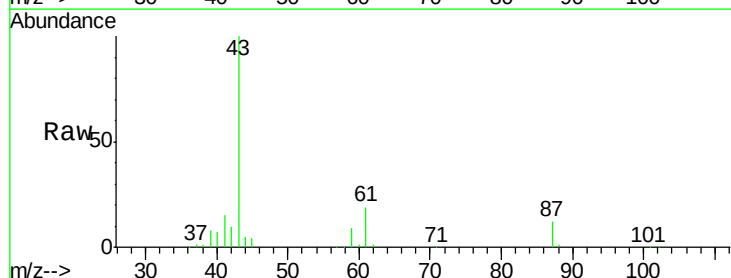
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

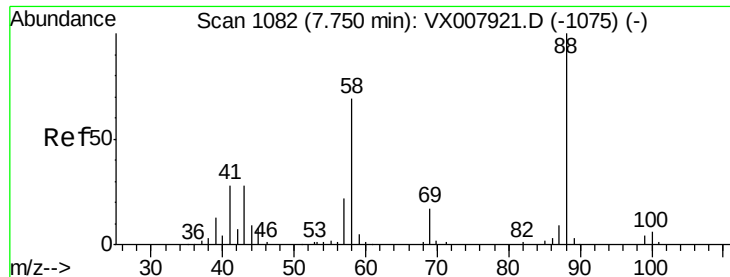
Tot Ion: 43 Resp: 40897
Ion Ratio Lower Upper
43 100
45 7.6 6.9 10.3



#44
Isopropyl Acetate
Concen: 9.216 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 43 Resp: 61973
Ion Ratio Lower Upper
43 100
61 20.0 16.1 24.1

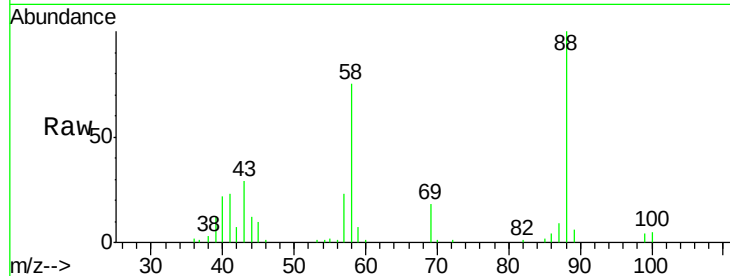




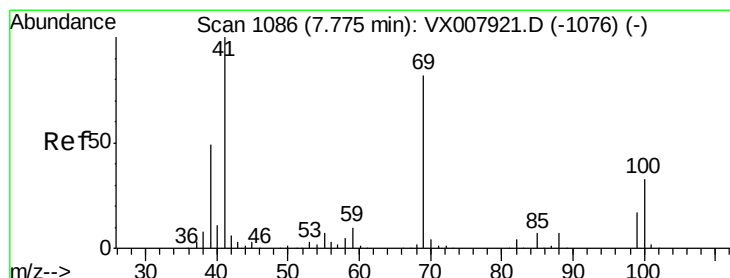
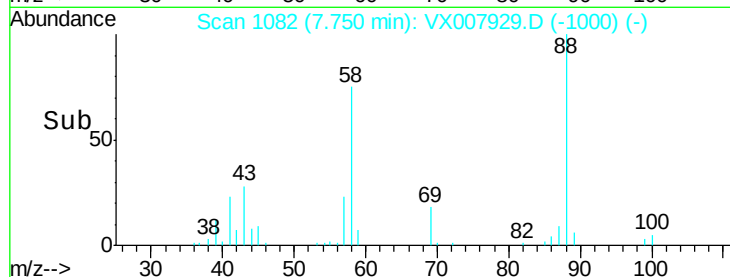
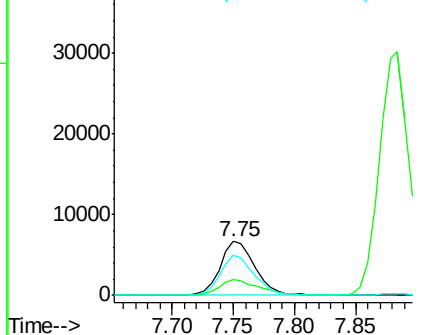
#45
1,4-Dioxane
Concen: 187.435 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 88 Resp: 13187
Ion Ratio Lower Upper
88 100
43 33.5 23.6 35.4
58 73.8 51.6 77.4

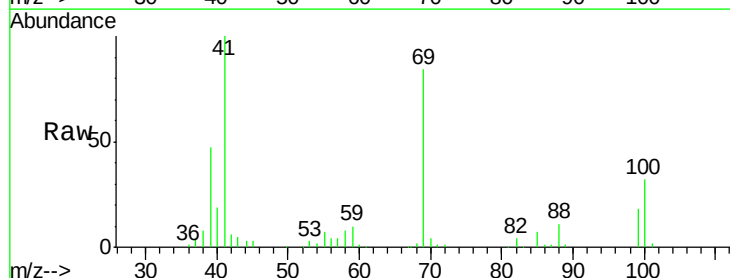


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

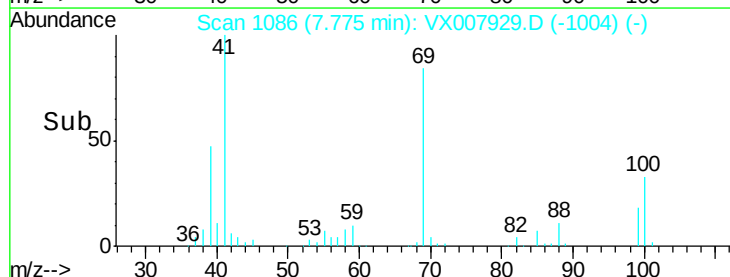
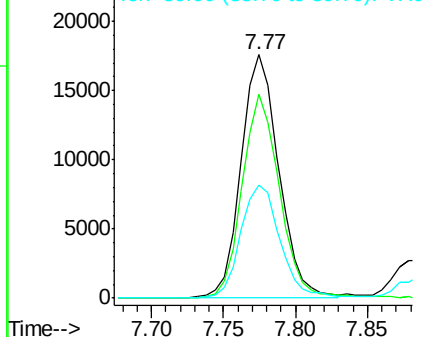


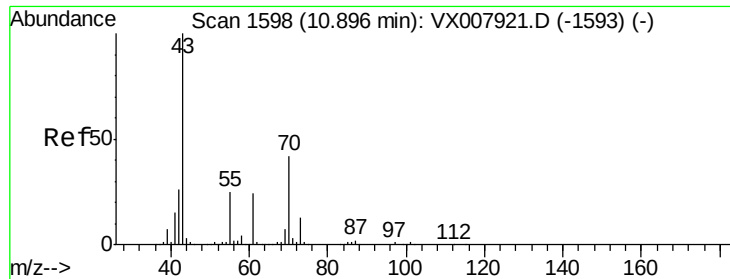
#46
Methyl methacrylate
Concen: 9.049 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 41 Resp: 32003
Ion Ratio Lower Upper
41 100
69 83.6 44.2 132.6
39 46.6 29.9 89.8



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: 8.502 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

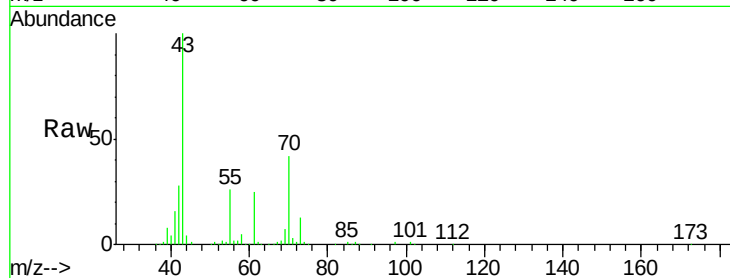
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 49263

Ion Ratio Lower Upper

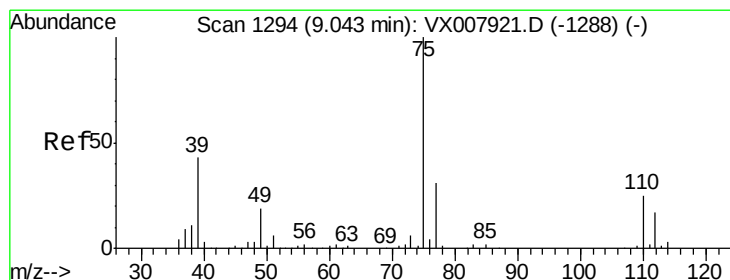
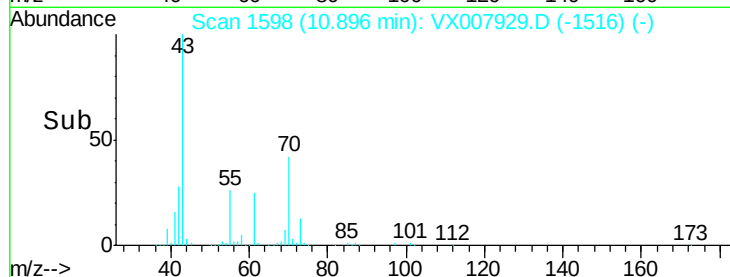
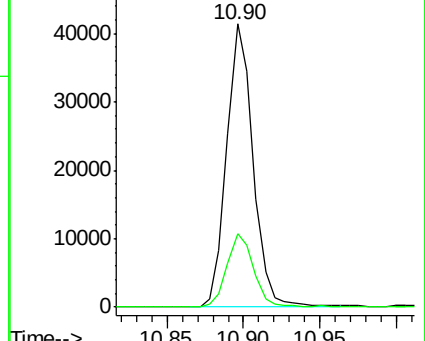
43 100

55 26.3 20.8 31.2



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: 8.134 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007929.D

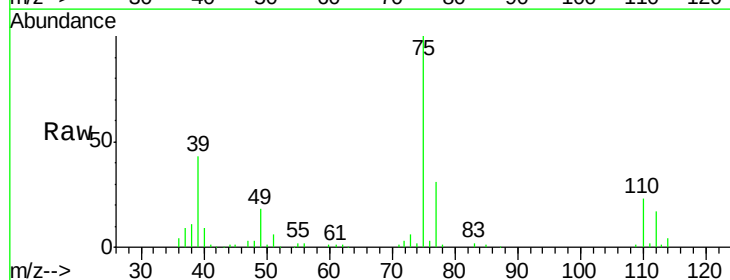
Acq: 08 Mar 2019 14:16

Tgt Ion: 75 Resp: 31666

Ion Ratio Lower Upper

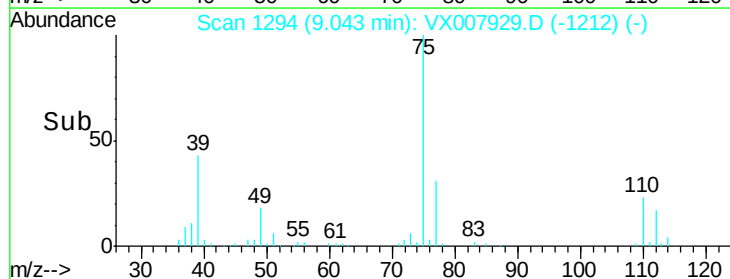
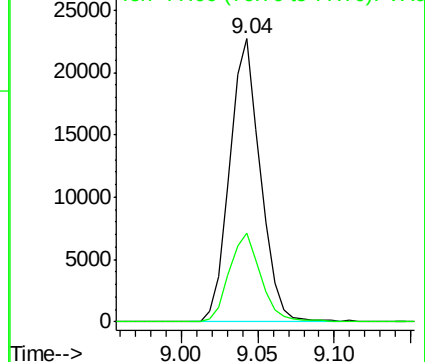
75 100

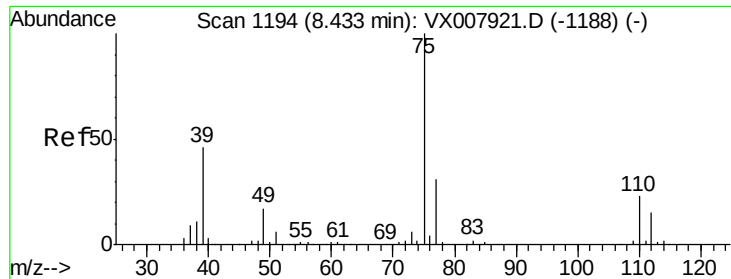
77 31.2 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



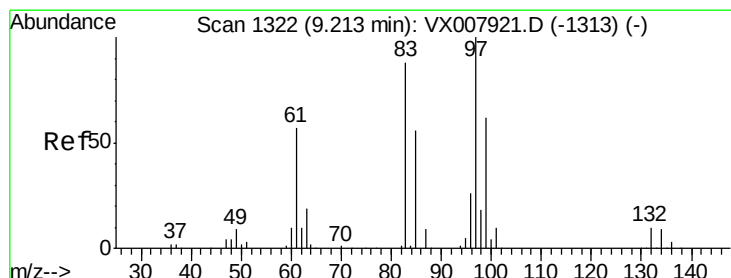
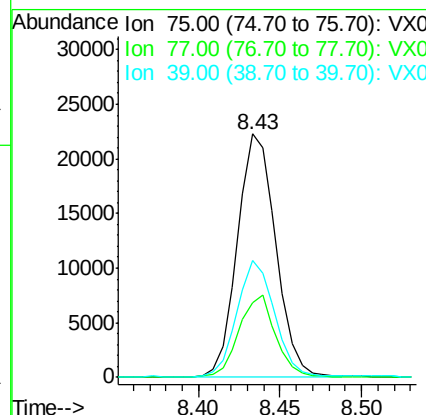
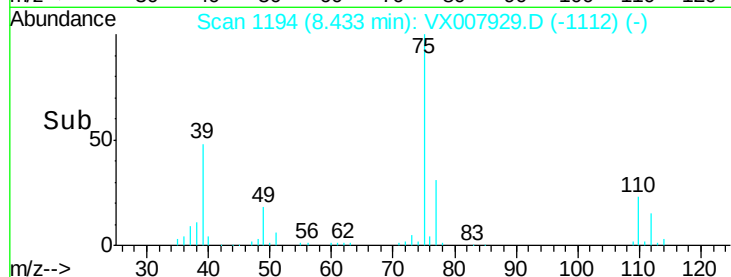
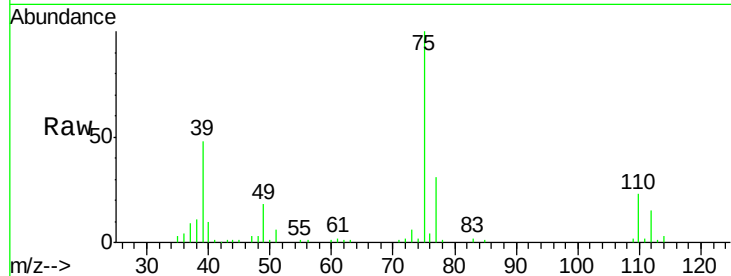


#49

cis-1,3-Dichloropropene
 Concen: 8.299 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

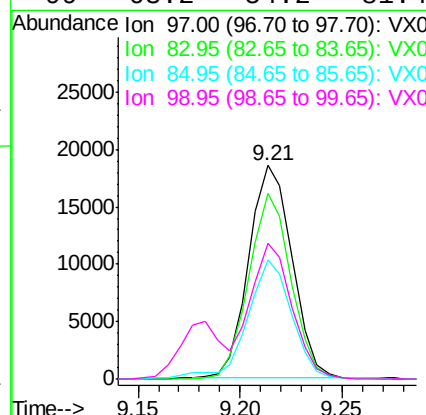
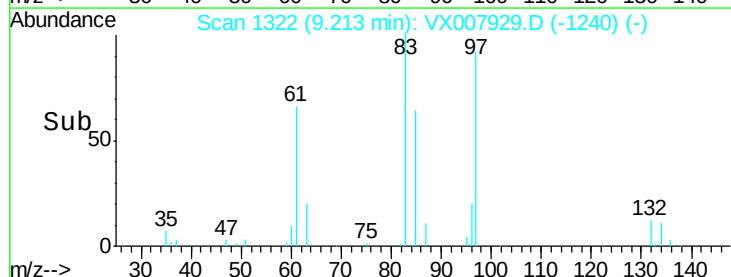
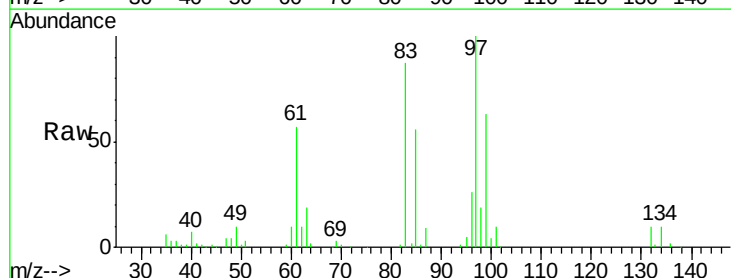
Tot Ion: 75 Resp: 36584
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4
 39 47.9 38.5 57.7

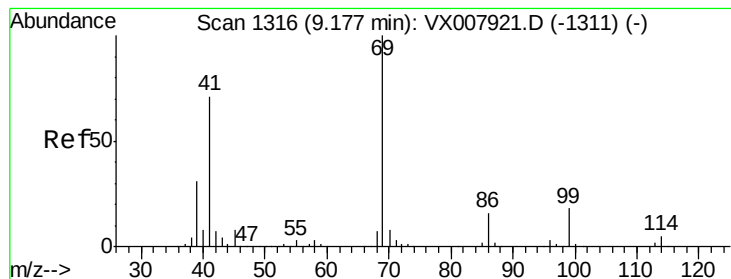


#50

1,1,2-Trichloroethane
 Concen: 9.381 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 97 Resp: 27193
 Ion Ratio Lower Upper
 97 100
 83 87.3 72.0 108.0
 85 55.7 45.0 67.6
 99 63.2 54.2 81.4





#51

Ethyl methacrylate

Concen: 8.803 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

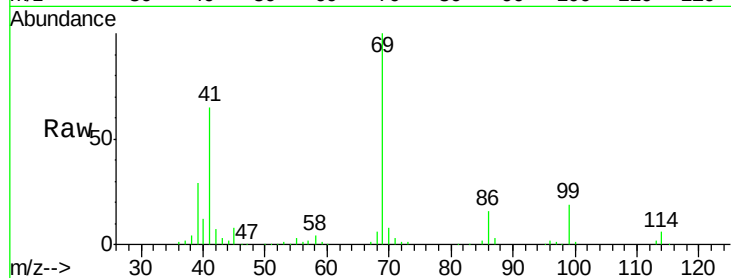
Tot Ion: 69 Resp: 38701

Ion Ratio Lower Upper

69 100

41 64.7 32.1 96.5

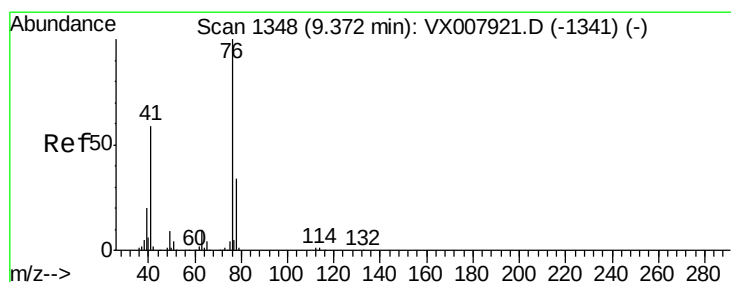
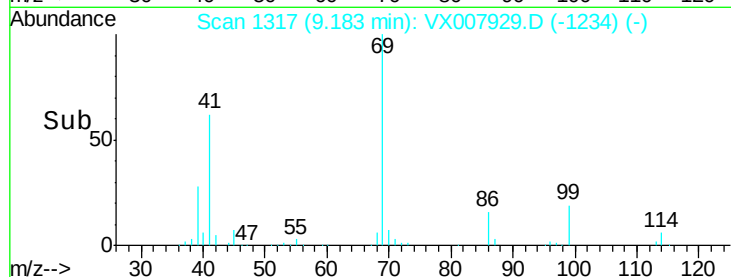
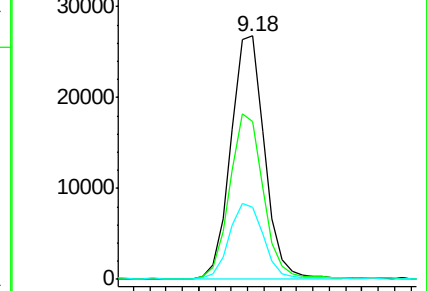
39 29.1 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 9.334 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007929.D

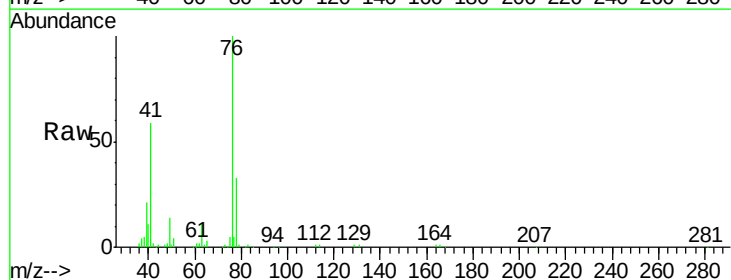
Acq: 08 Mar 2019 14:16

Tgt Ion: 76 Resp: 44707

Ion Ratio Lower Upper

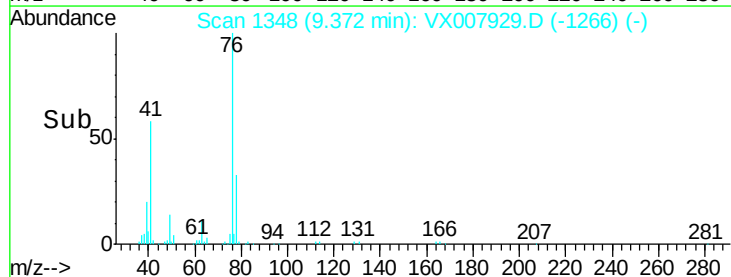
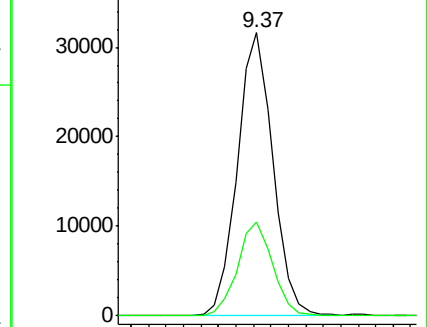
76 100

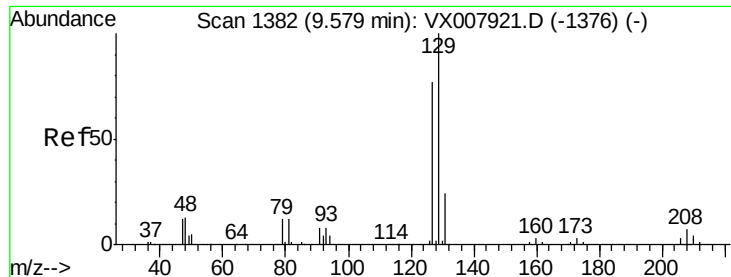
78 32.9 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 8.700 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

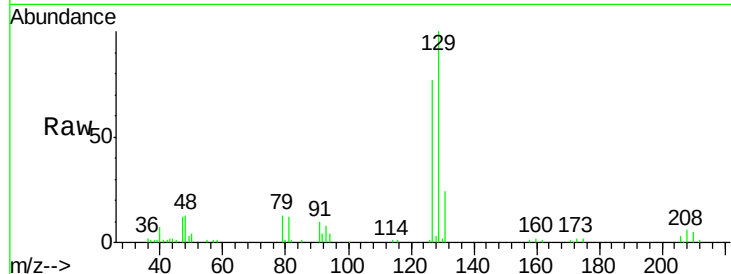
LOQ-WATER-02-QT1-2019

Tot Ion:129 Resp: 25943

Ion Ratio Lower Upper

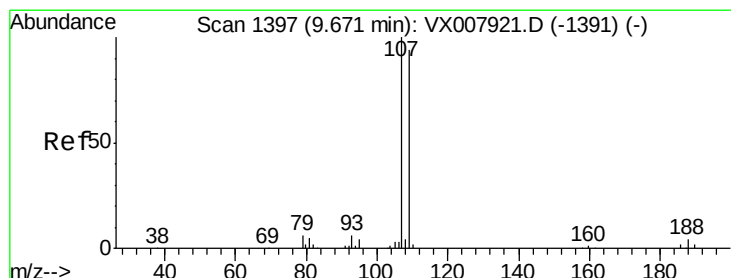
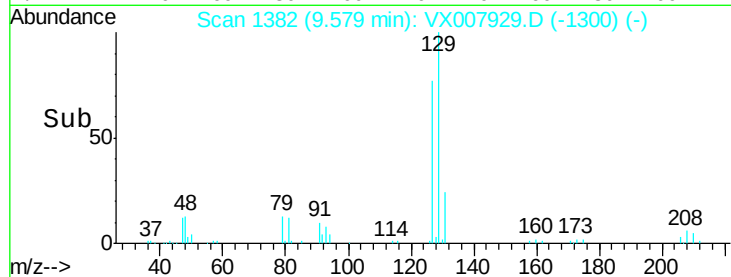
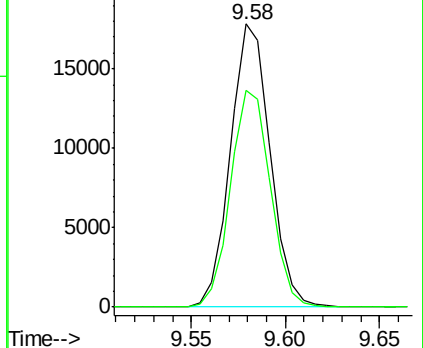
129 100

127 77.1 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 9.182 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007929.D

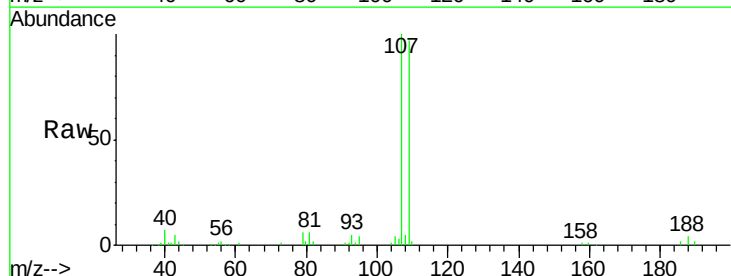
Acq: 08 Mar 2019 14:16

Tgt Ion:107 Resp: 27827

Ion Ratio Lower Upper

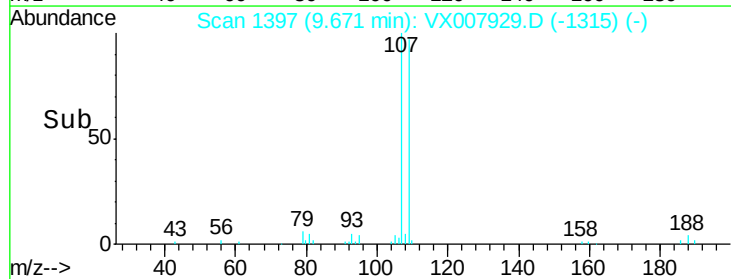
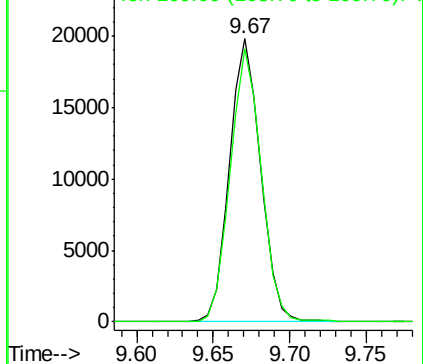
107 100

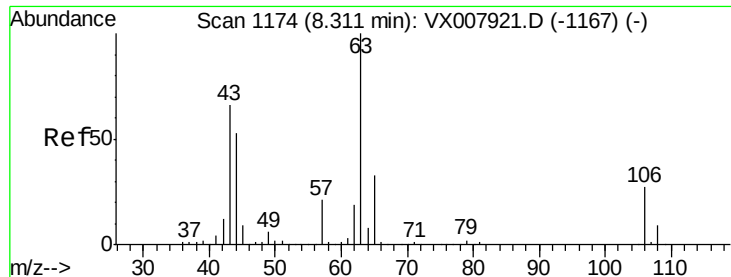
109 96.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

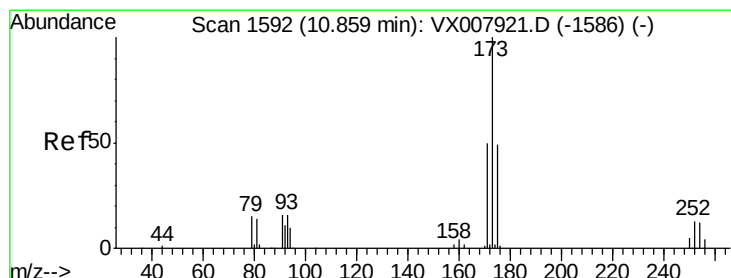
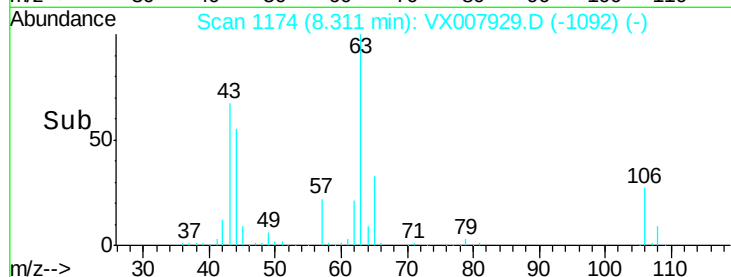
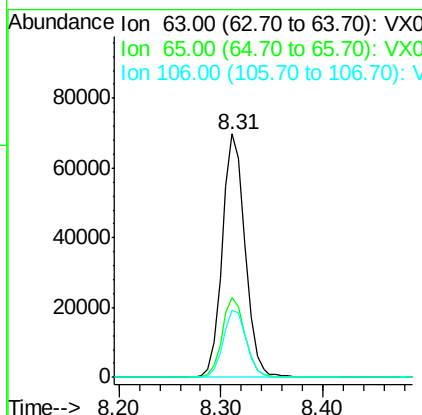
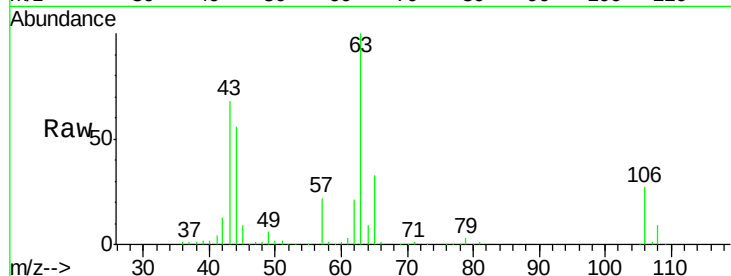




#55
2-Chloroethyl vinyl ether
Concen: 53.016 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

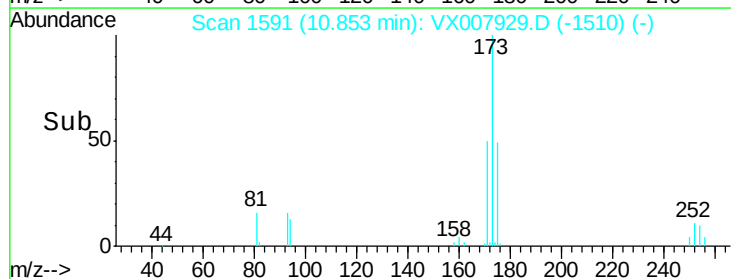
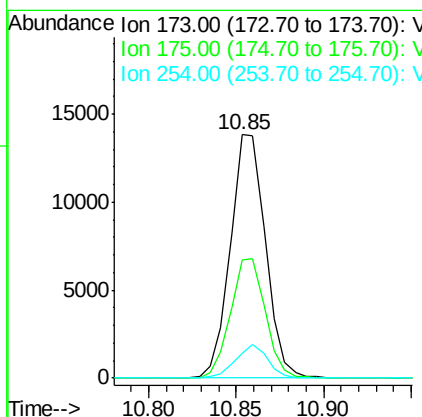
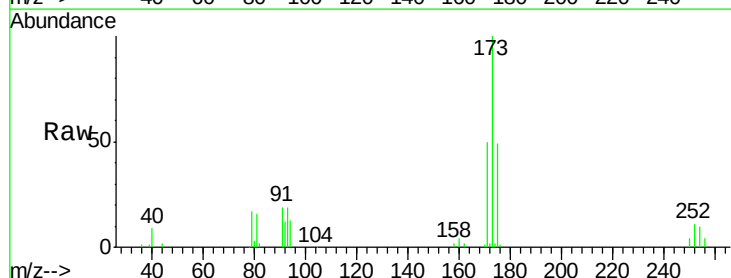
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

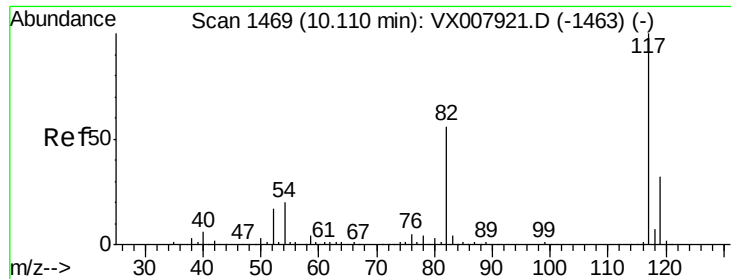
Tot Ion: 63 Resp: 108403
Ion Ratio Lower Upper
63 100
65 32.8 25.7 38.5
106 27.8 23.7 35.5



#56
Bromoform
Concen: 8.150 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 173 Resp: 19384
Ion Ratio Lower Upper
173 100
175 48.7 38.5 57.7
254 12.6 7.4 11.2#

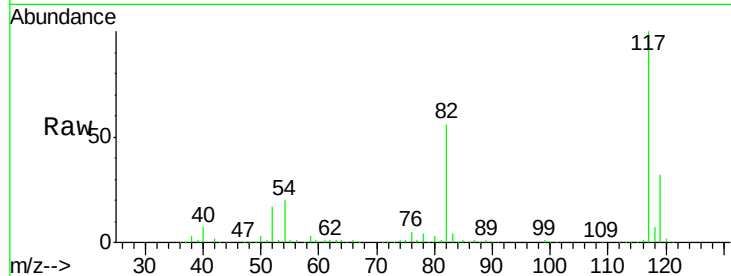




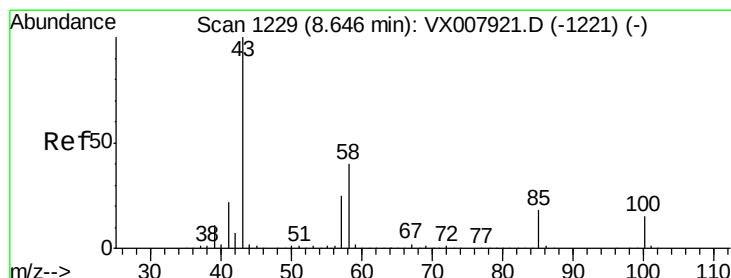
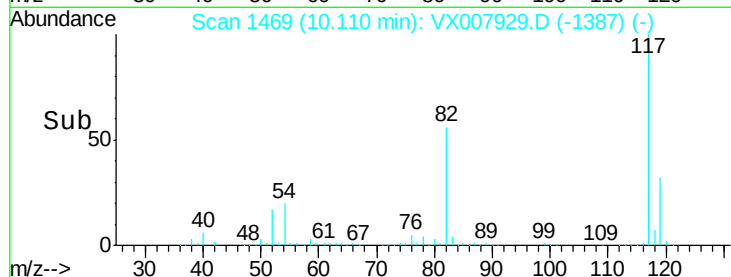
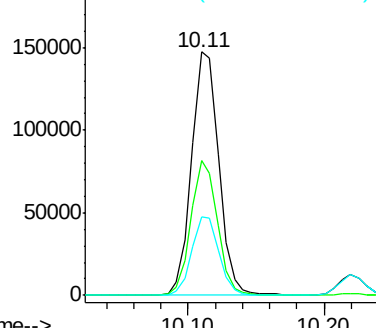
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion:117 Resp: 205012
Ion Ratio Lower Upper
117 100
82 54.1 40.4 60.6
119 32.5 25.8 38.6

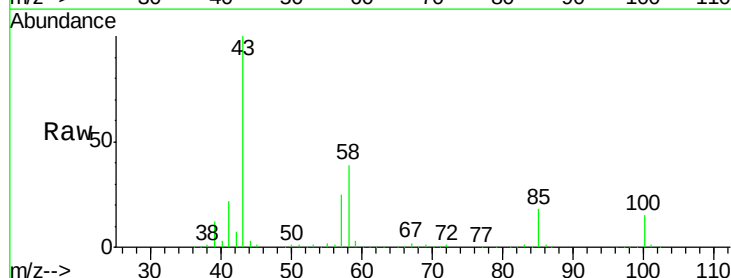


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

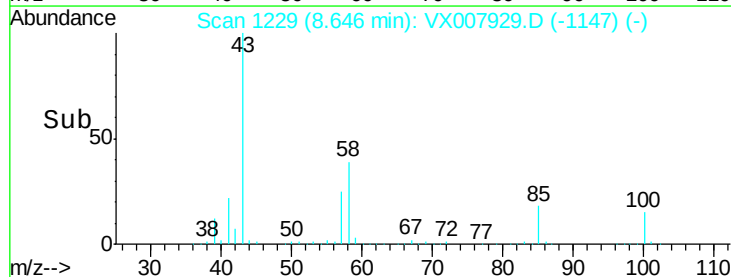
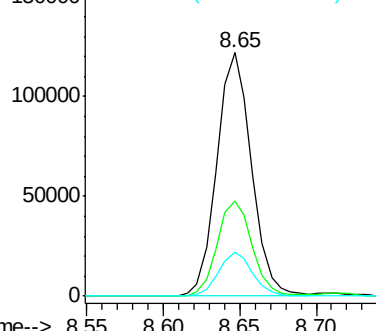


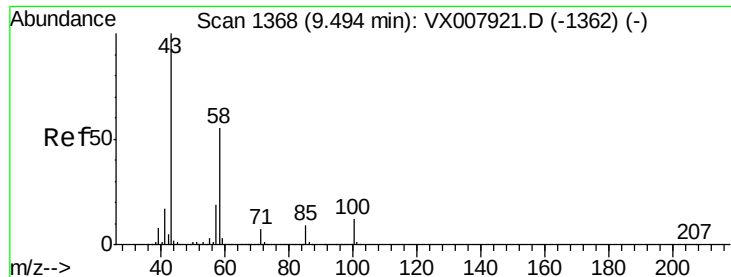
#58
4-Methyl-2-Pentanone
Concen: 45.577 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 43 Resp: 192376
Ion Ratio Lower Upper
43 100
58 39.3 31.4 47.0
85 17.7 15.0 22.6



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

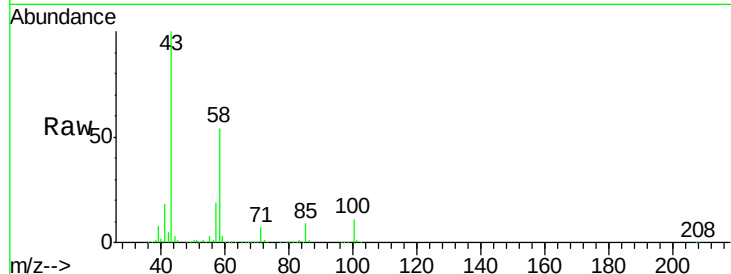




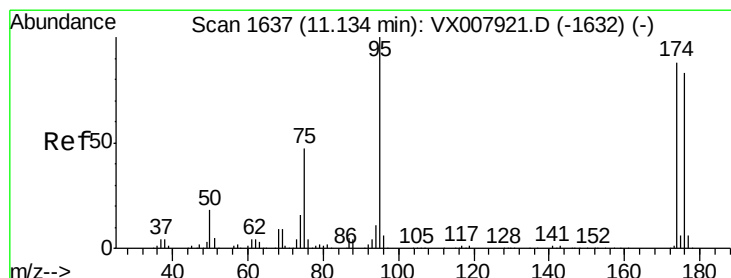
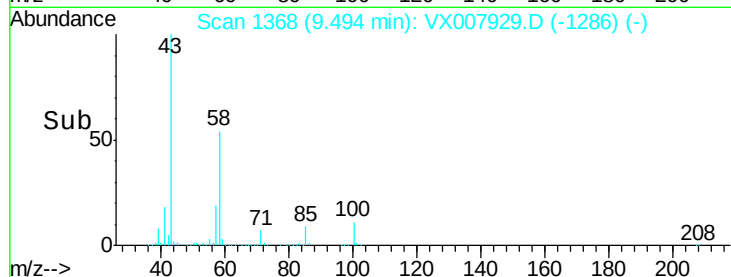
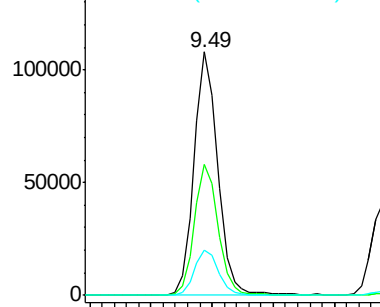
#59
2-Hexanone
Concen: 43.638 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	19.0	14.9	22.3

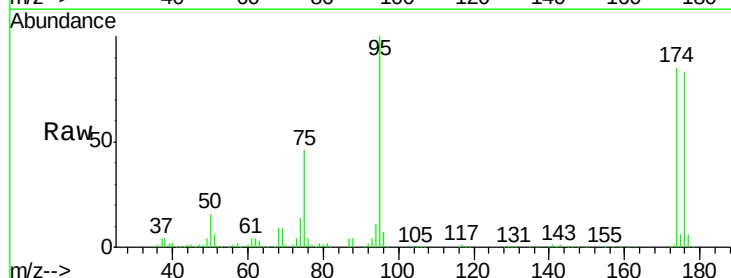


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

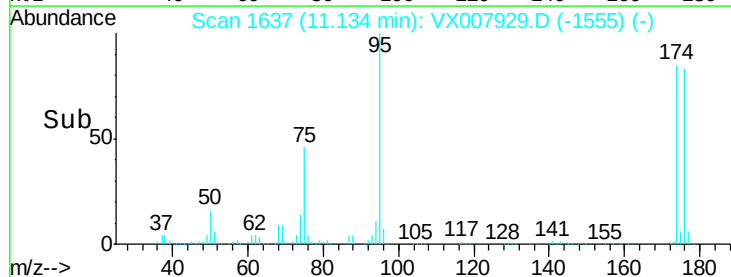
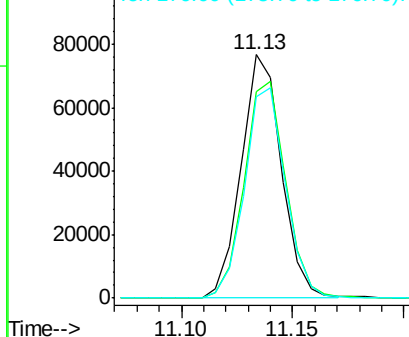


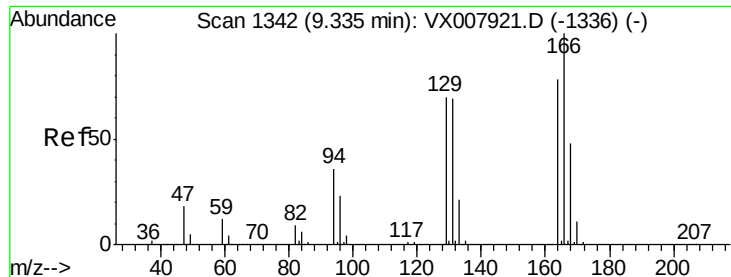
#60
4-Bromofluorobenzene
Concen: 29.589 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	74.9	112.3
176	88.5	70.7	106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 9.748 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:164 Resp: 29151

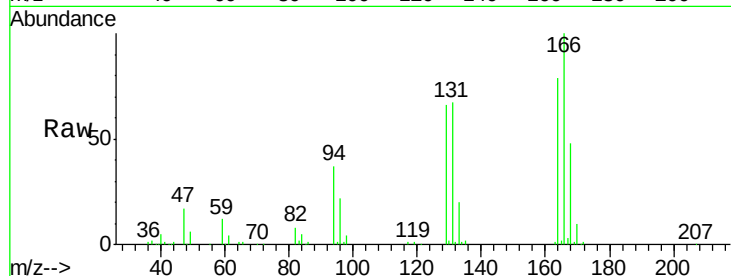
Ion Ratio Lower Upper

164 100

166 126.1 103.9 155.9

129 83.5 74.7 112.1

131 84.9 71.7 107.5

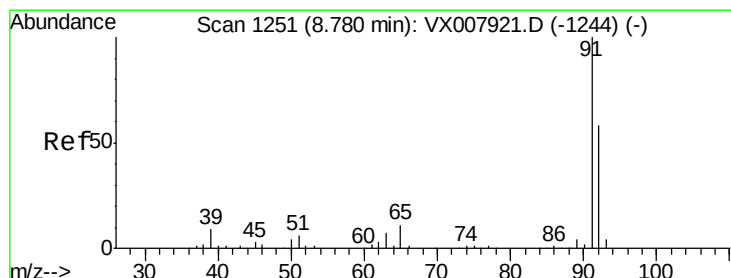
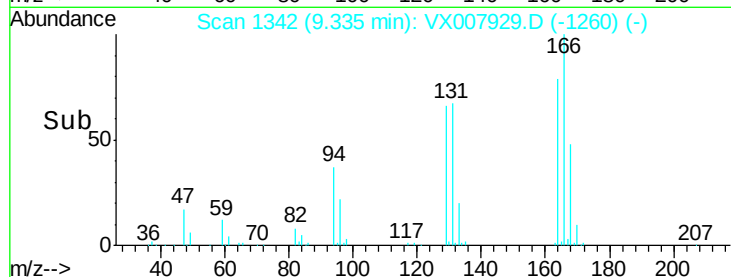
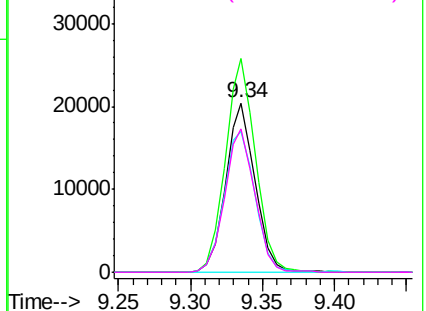


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 9.451 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007929.D

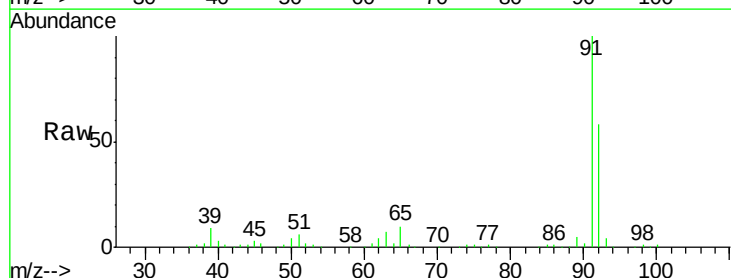
Acq: 08 Mar 2019 14:16

Tgt Ion: 91 Resp: 113141

Ion Ratio Lower Upper

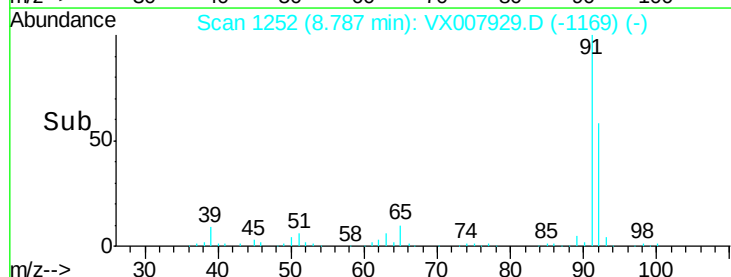
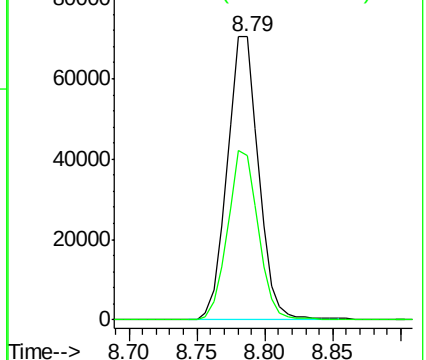
91 100

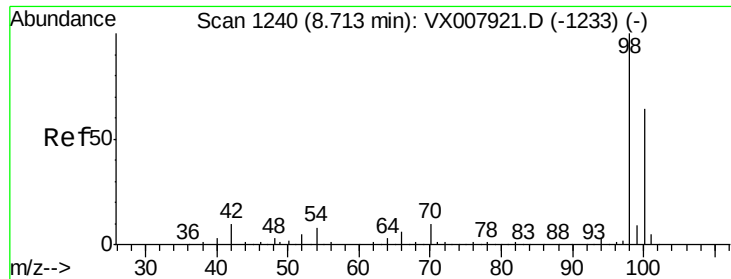
92 58.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.777 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

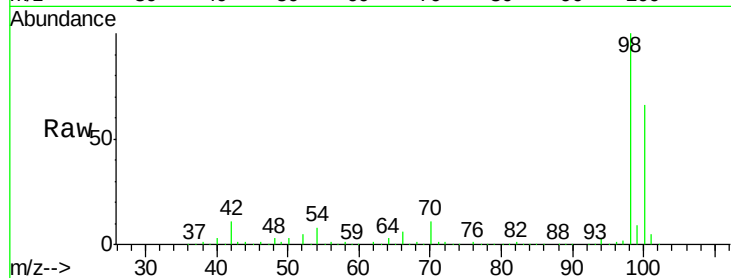
LOQ-WATER-02-QT1-2019

Tot Ion: 98 Resp: 288754

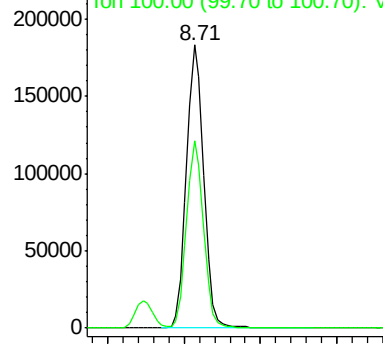
Ion Ratio Lower Upper

98 100

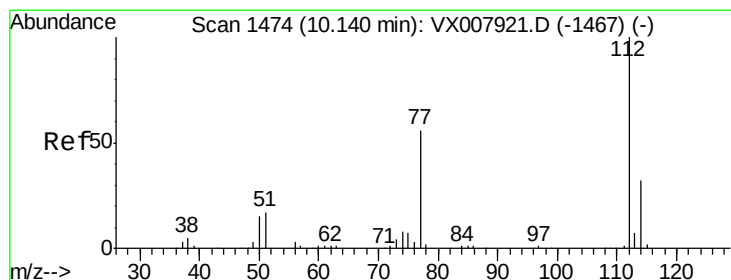
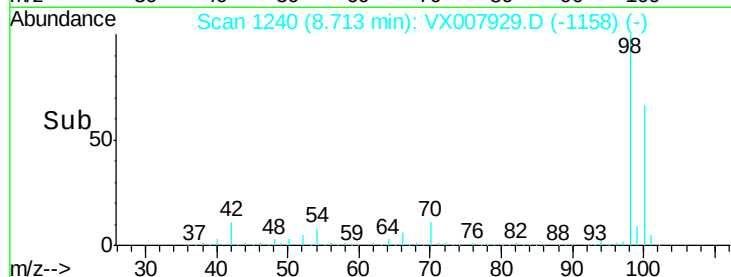
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX007921.D (-1233) (-)



Time-->



#64

Chlorobenzene

Concen: 9.376 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007929.D

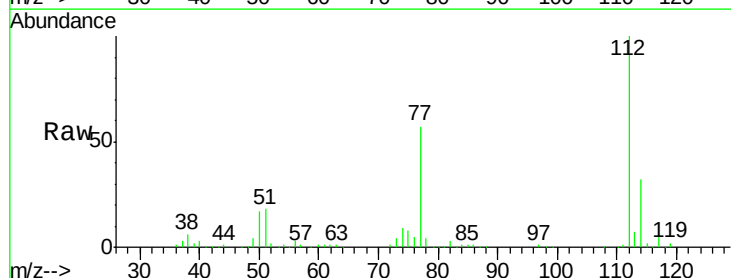
Acq: 08 Mar 2019 14:16

Tgt Ion: 112 Resp: 71537

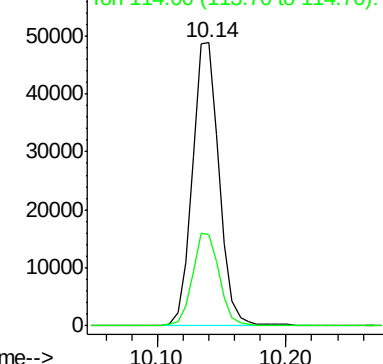
Ion Ratio Lower Upper

112 100

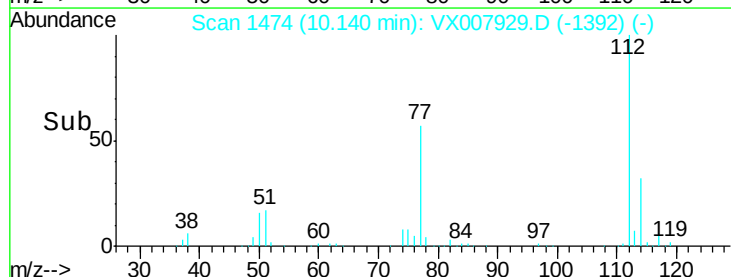
114 32.3 25.4 38.2

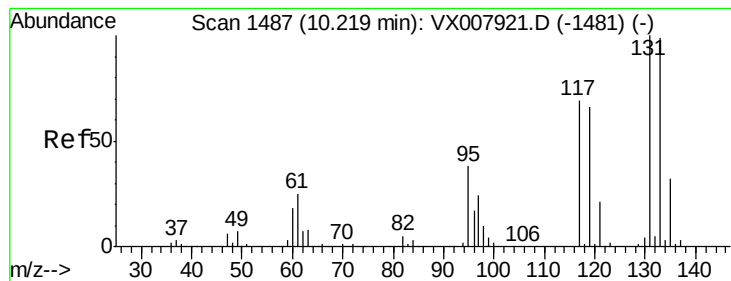


Abundance Ion 112.00 (111.70 to 112.70): VX007921.D (-1467) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 9.267 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

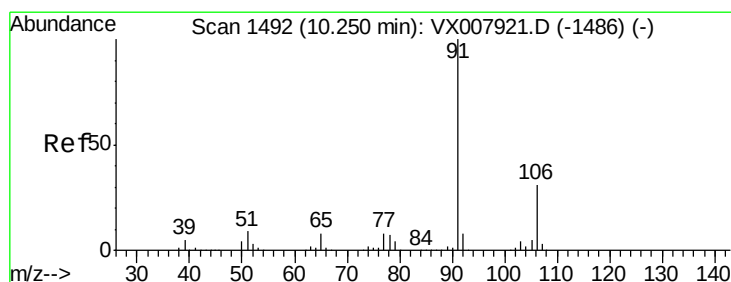
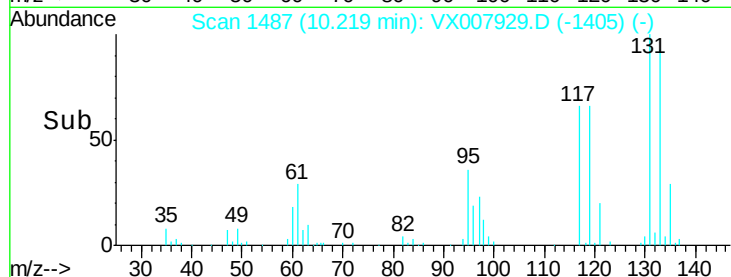
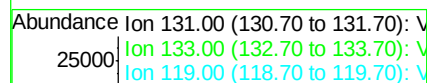
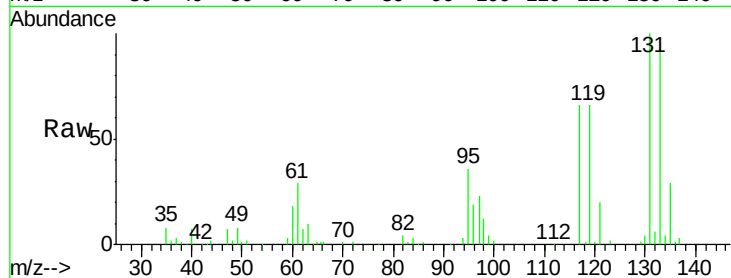
Tot Ion:131 Resp: 25316

Ion Ratio Lower Upper

131 100

133 93.6 0.0 191.6

119 66.4 0.0 127.4



#66

Ethyl Benzene

Concen: 9.072 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007929.D

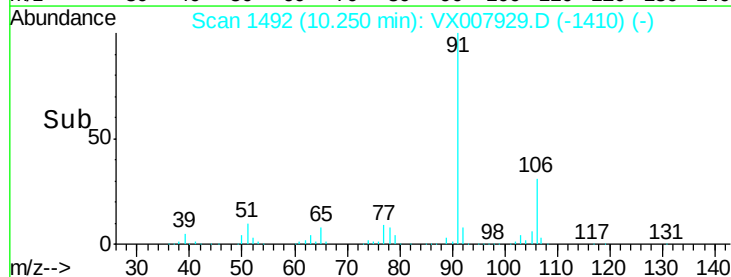
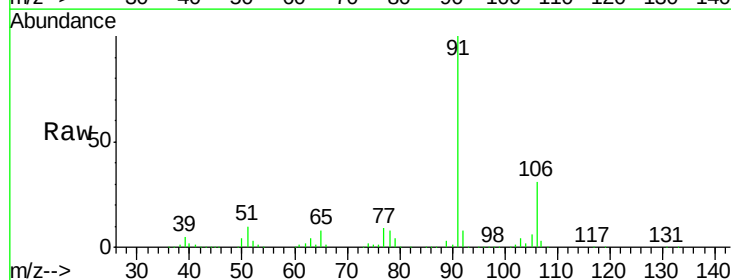
Acq: 08 Mar 2019 14:16

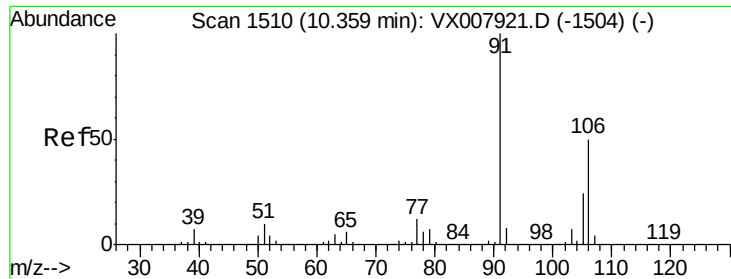
Tgt Ion: 91 Resp: 116649

Ion Ratio Lower Upper

91 100

106 31.3 26.0 39.0

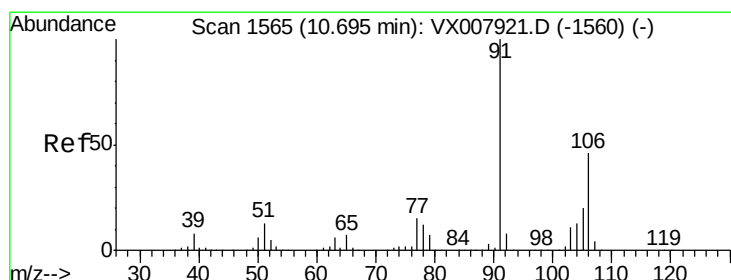
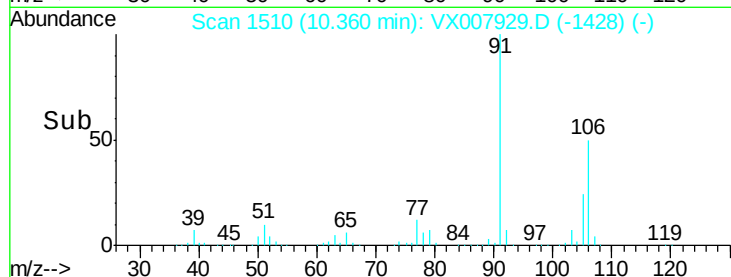
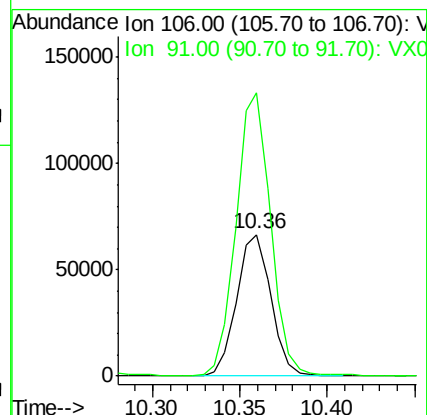
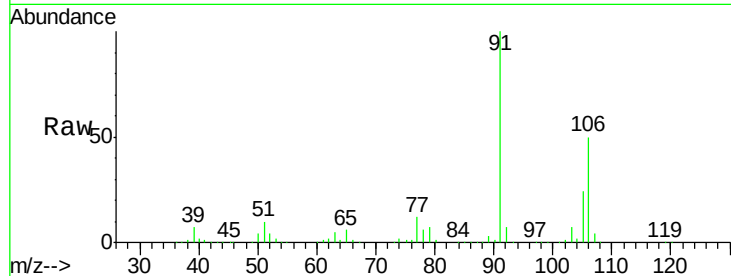




#67
m/p-Xylenes
Concen: 18.441 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

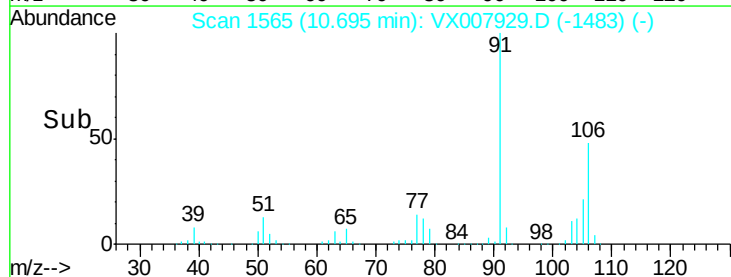
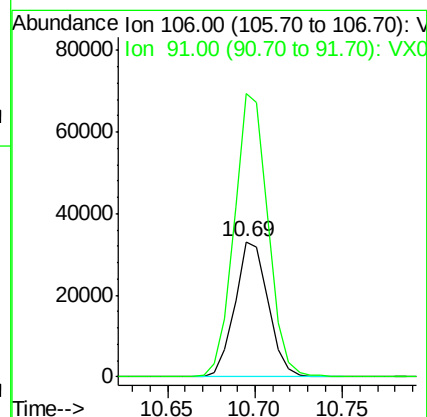
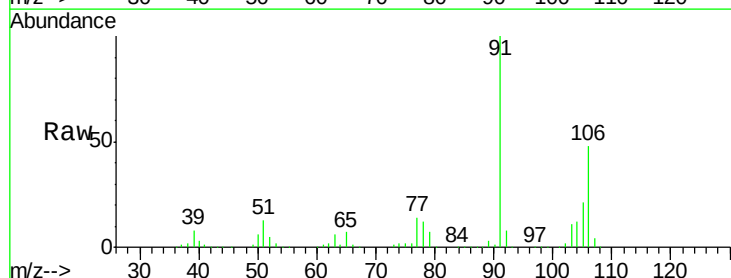
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

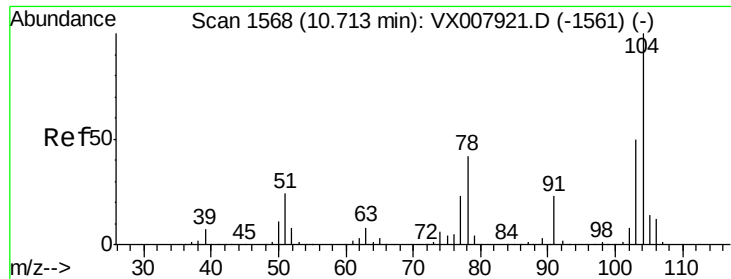
Tot Ion:106 Resp: 90924
Ion Ratio Lower Upper
106 100
91 200.3 157.0 235.4



#68
o-Xylene
Concen: 9.165 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion:106 Resp: 43880
Ion Ratio Lower Upper
106 100
91 212.4 104.4 313.2





#69

Stvrene

Concen: 9.044 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

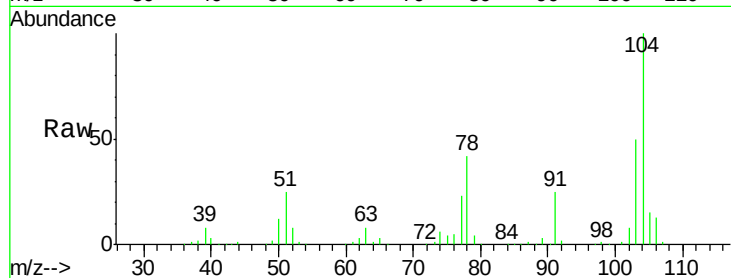
Tot Ion:104 Resp: 71346

Ion Ratio Lower Upper

104 100

78 48.2 38.2 57.2

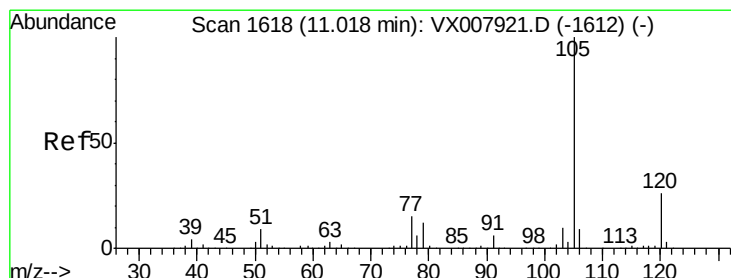
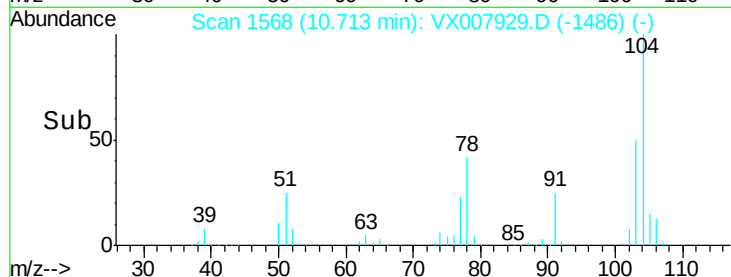
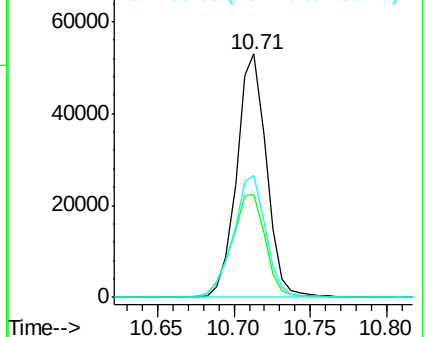
103 54.8 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 9.348 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007929.D

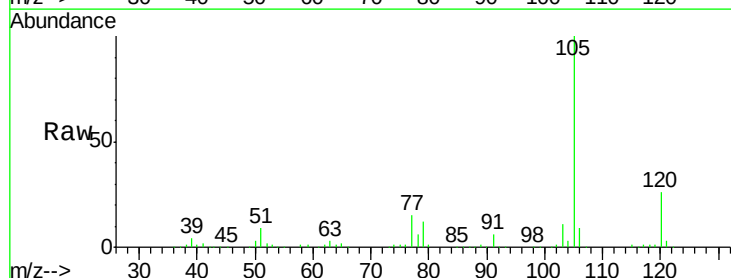
Acq: 08 Mar 2019 14:16

Tgt Ion:105 Resp: 119590

Ion Ratio Lower Upper

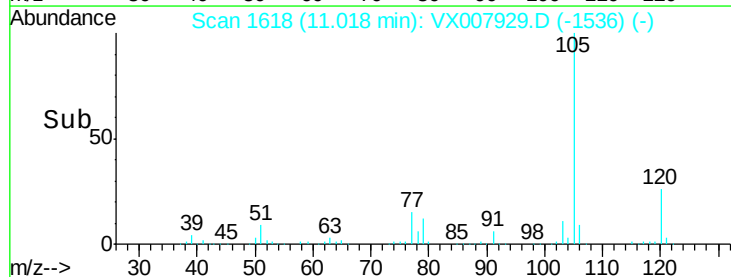
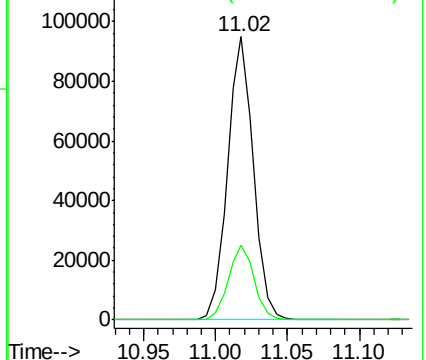
105 100

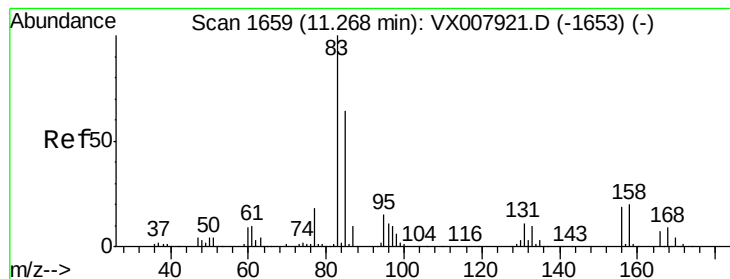
120 26.3 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 9.365 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

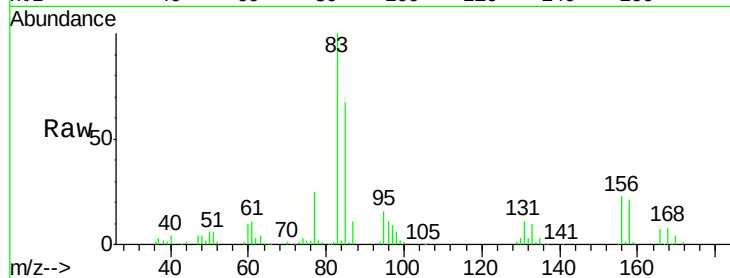
Tot Ion: 83 Resp: 39571

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

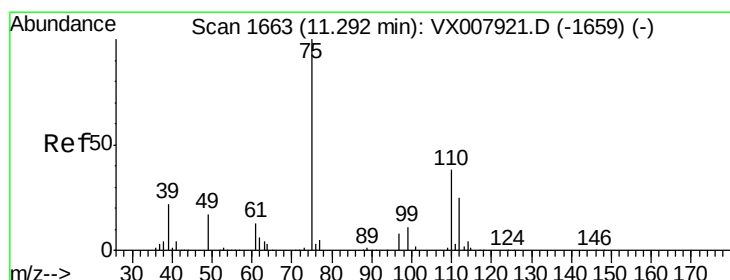
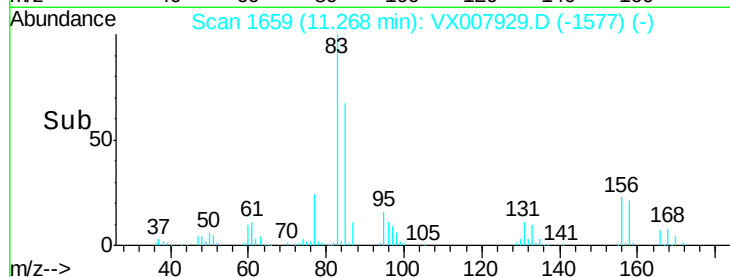
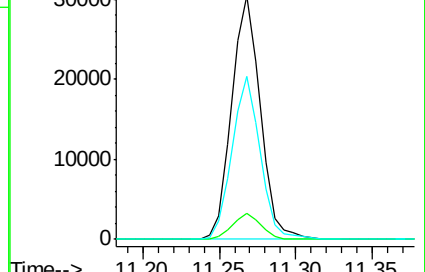
85 65.6 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 10.878 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007929.D

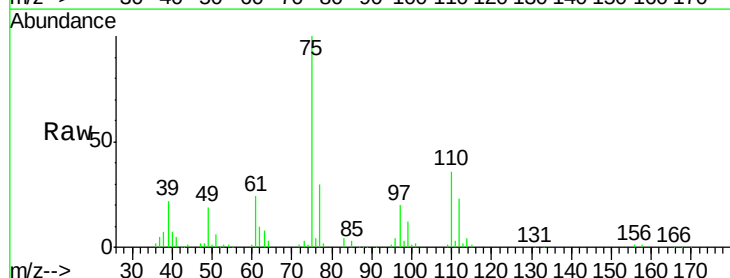
Acq: 08 Mar 2019 14:16

Tgt Ion: 75 Resp: 43325

Ion Ratio Lower Upper

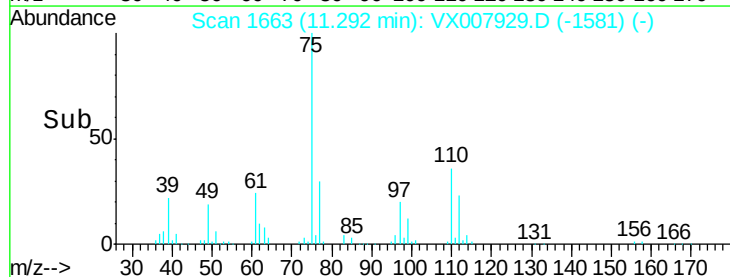
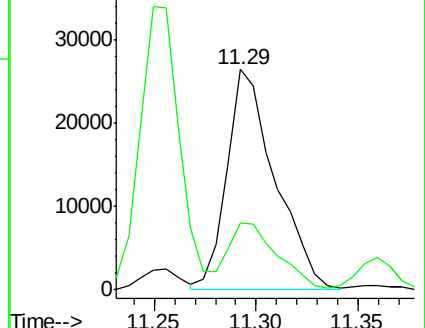
75 100

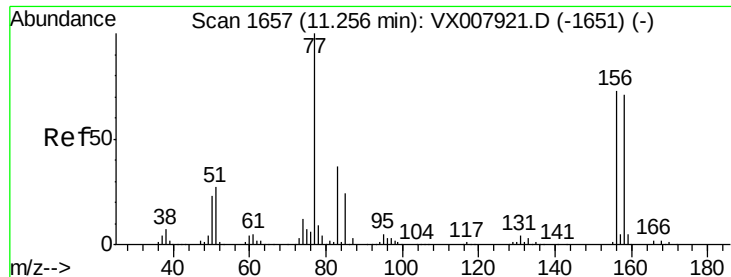
77 32.4 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 9.377 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

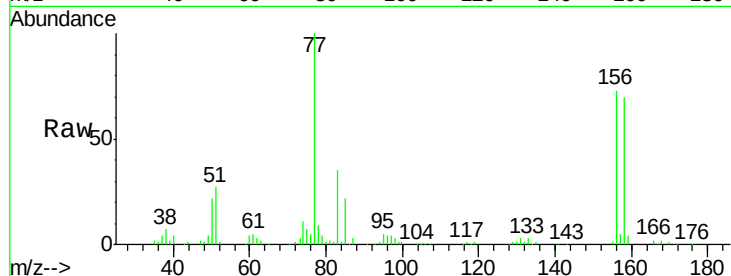
Tot Ion:156 Resp: 31894

Ion Ratio Lower Upper

156 100

77 142.5 0.0 271.4

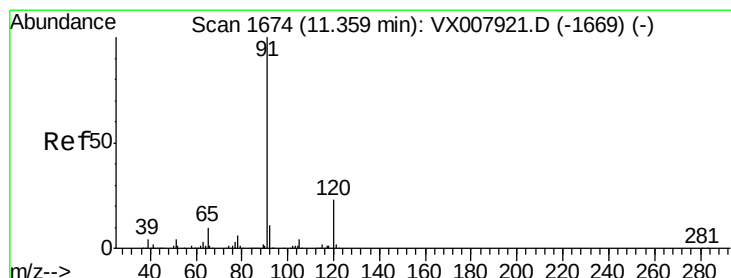
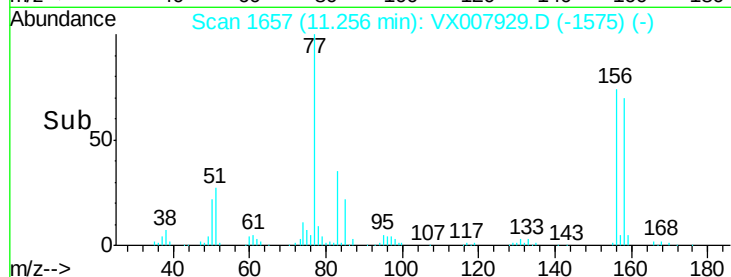
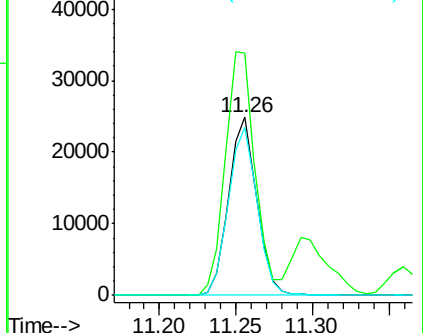
158 96.3 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 9.143 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007929.D

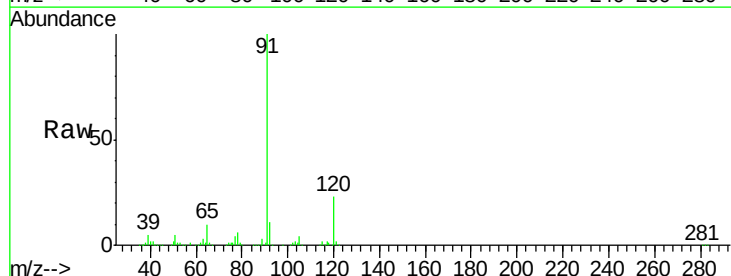
Acq: 08 Mar 2019 14:16

Tgt Ion: 91 Resp: 131941

Ion Ratio Lower Upper

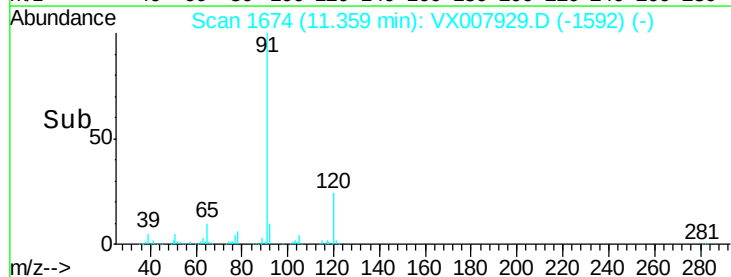
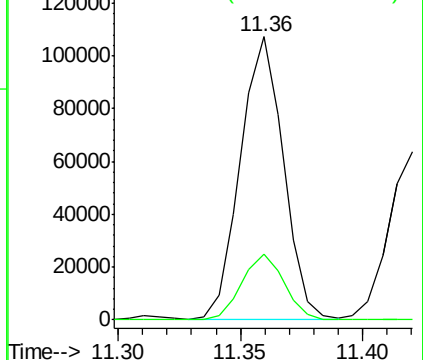
91 100

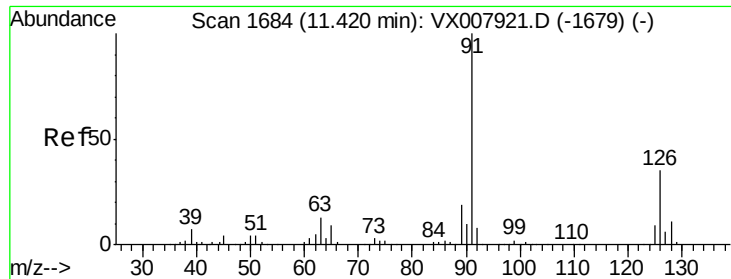
120 23.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 9.459 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

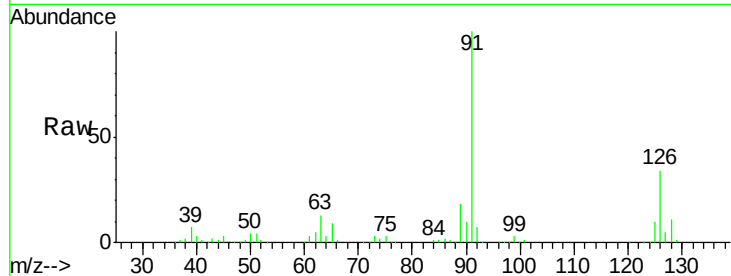
LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 81816

Ion Ratio Lower Upper

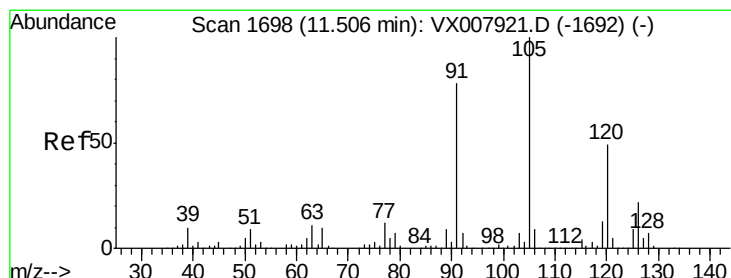
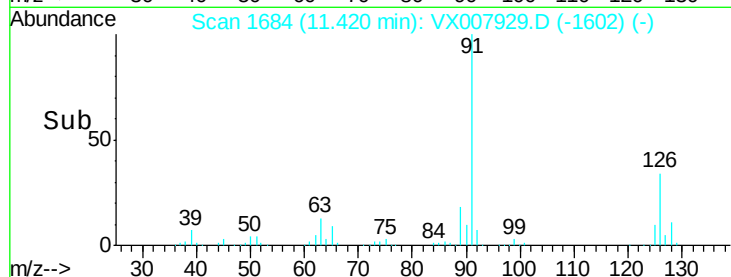
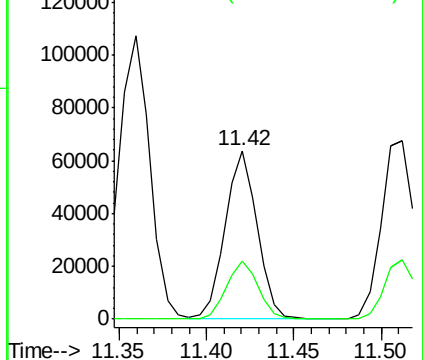
91 100

126 33.9 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 9.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007929.D

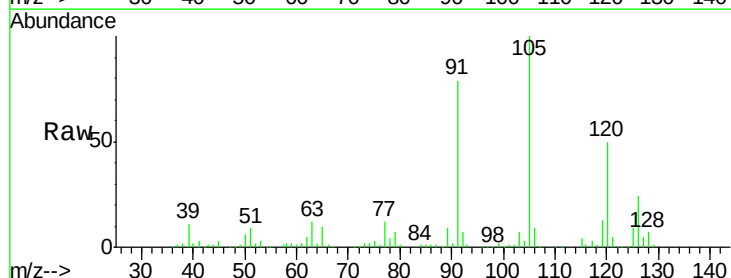
Acq: 08 Mar 2019 14:16

Tgt Ion: 105 Resp: 97678

Ion Ratio Lower Upper

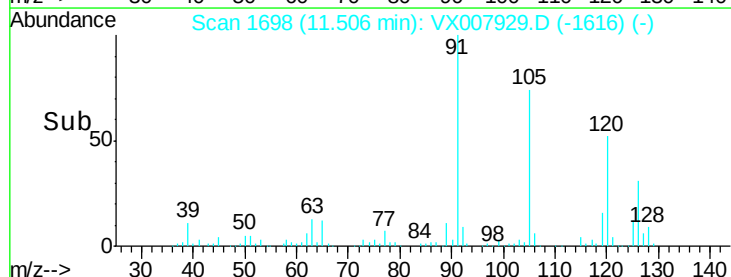
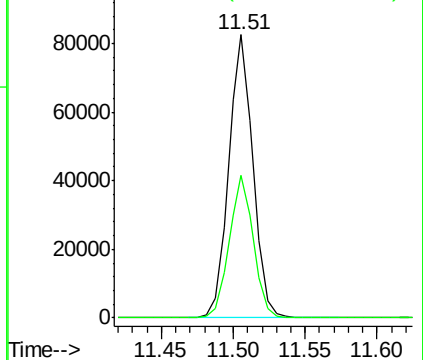
105 100

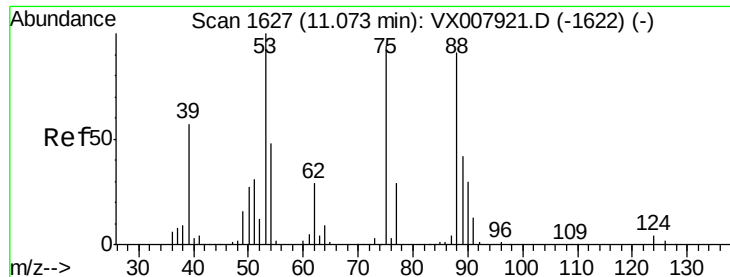
120 50.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 7.390 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

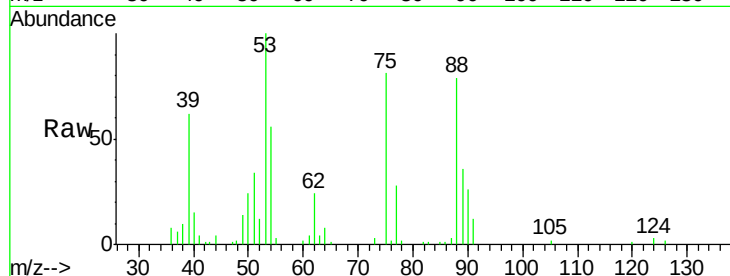
Tot Ion: 75 Resp: 9094

Ion Ratio Lower Upper

75 100

53 122.4 55.5 166.7

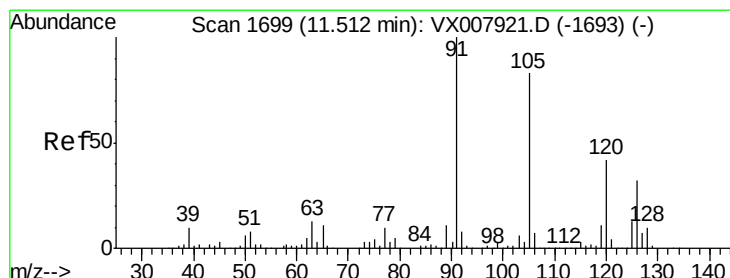
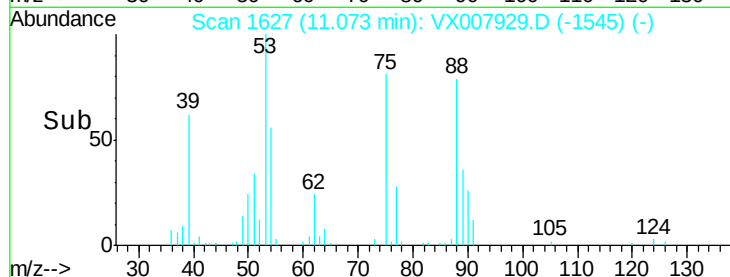
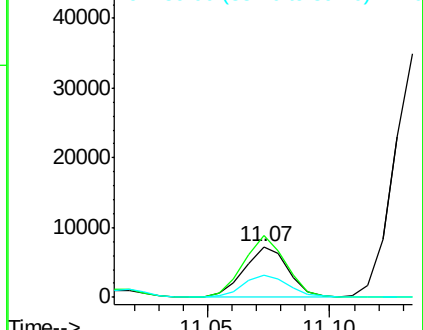
89 44.7 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 9.150 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007929.D

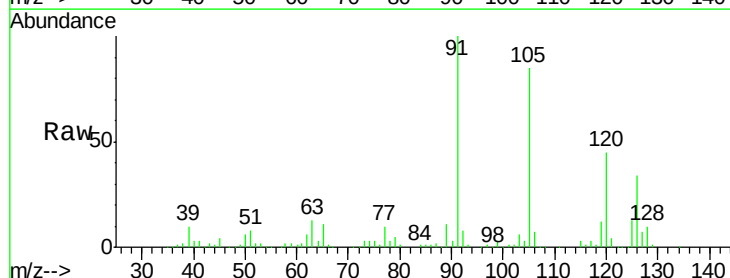
Acq: 08 Mar 2019 14:16

Tgt Ion: 91 Resp: 89479

Ion Ratio Lower Upper

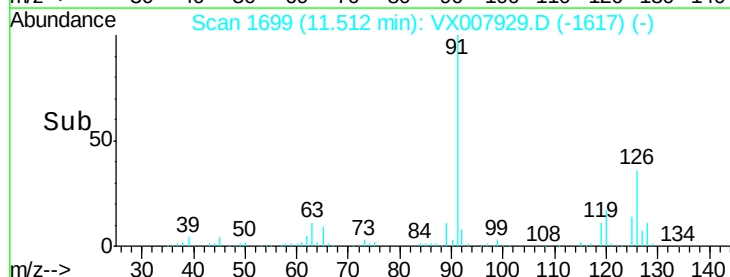
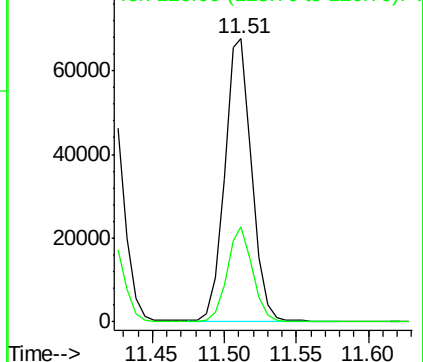
91 100

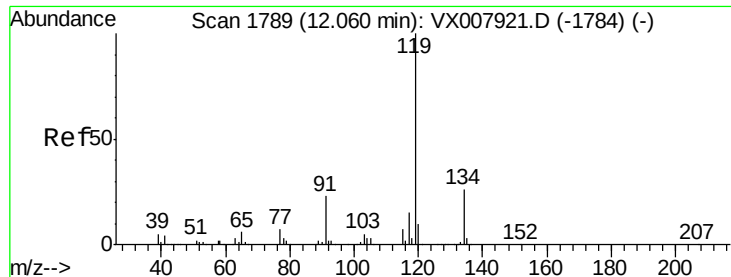
126 31.2 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

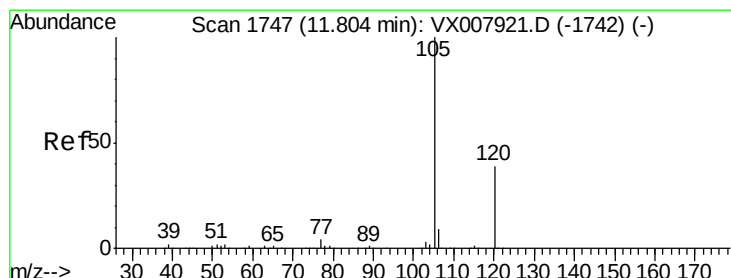
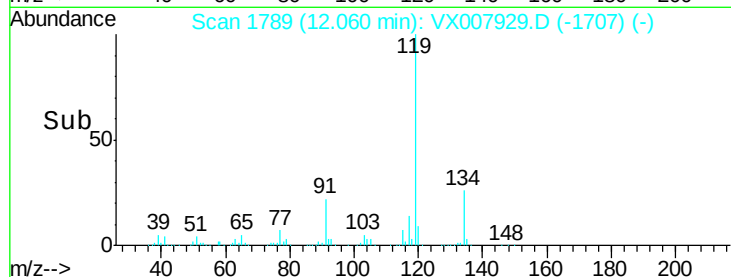
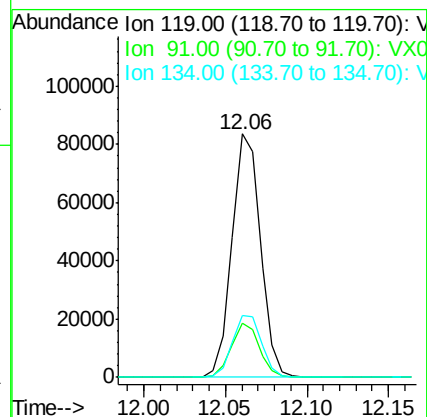
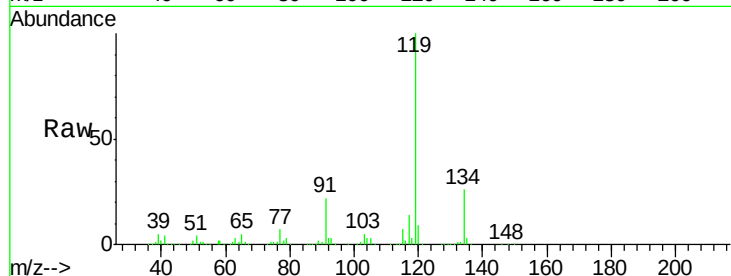




#79
tert-butylbenzene
Concen: 8.961 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

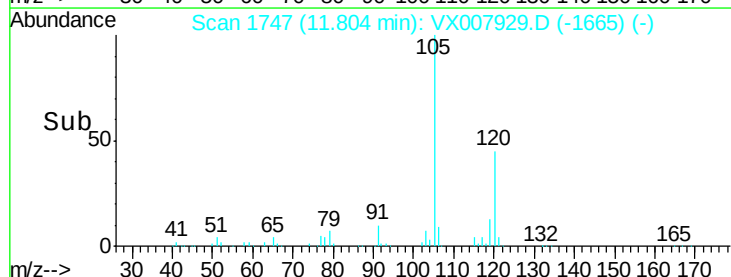
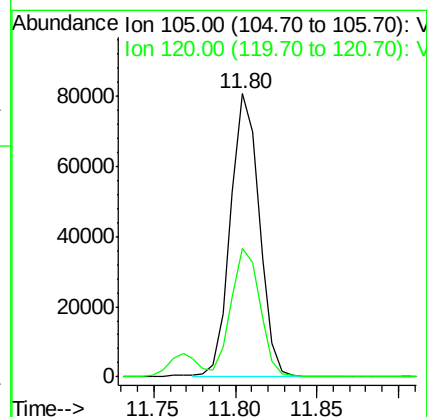
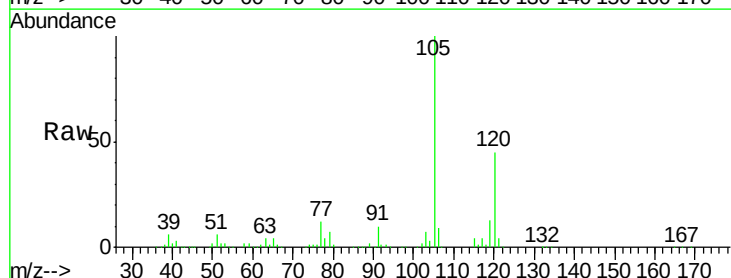
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

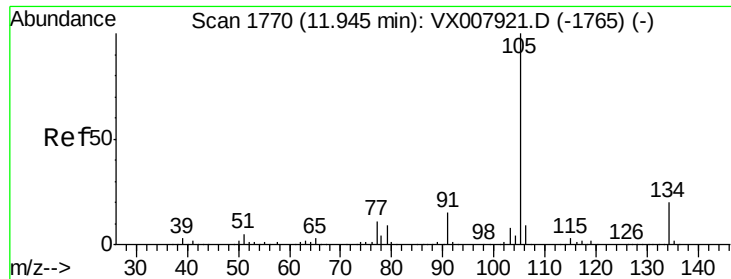
Tot Ion:119 Resp: 101954
Ion Ratio Lower Upper
119 100
91 22.1 0.0 45.0
134 26.0 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 9.212 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion:105 Resp: 99126
Ion Ratio Lower Upper
105 100
120 45.5 0.0 94.0





#81

sec-Butylbenzene

Concen: 9.099 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

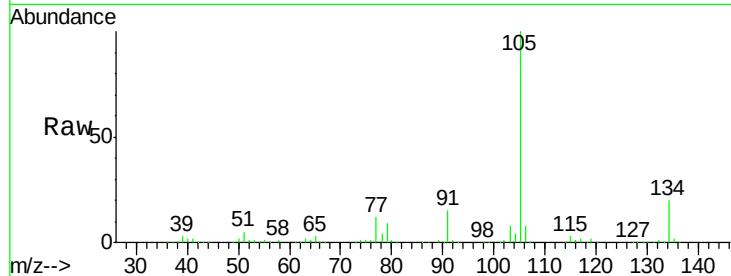
LOQ-WATER-02-QT1-2019

Tot Ion:105 Resp: 115954

Ion Ratio Lower Upper

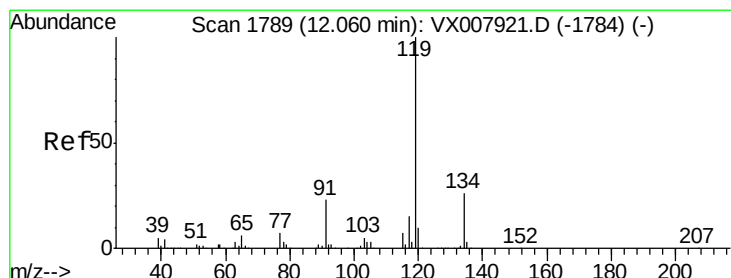
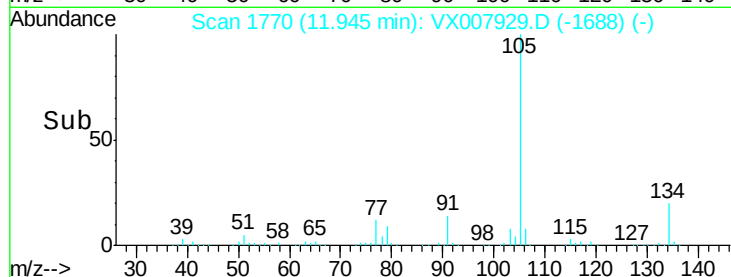
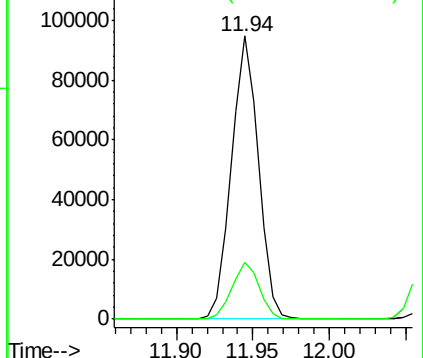
105 100

134 20.3 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 8.961 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

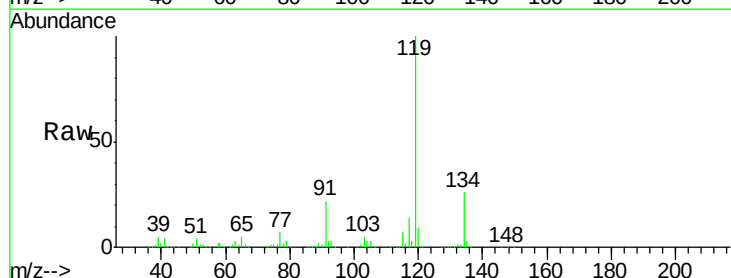
Tgt Ion:119 Resp: 101954

Ion Ratio Lower Upper

119 100

134 26.0 0.0 55.4

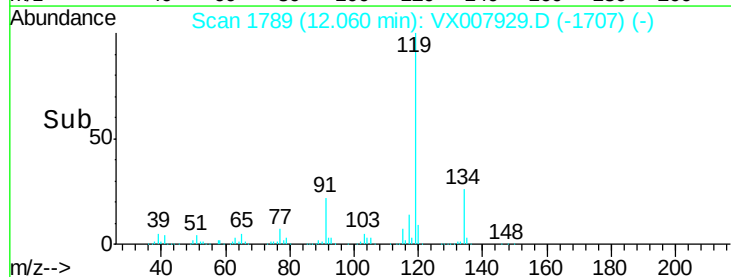
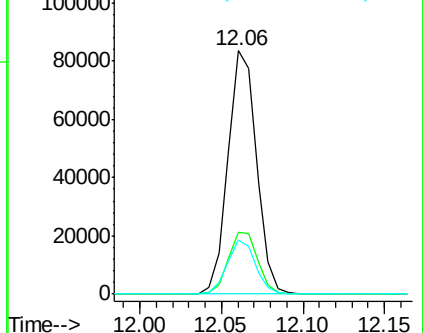
91 22.1 0.0 45.0

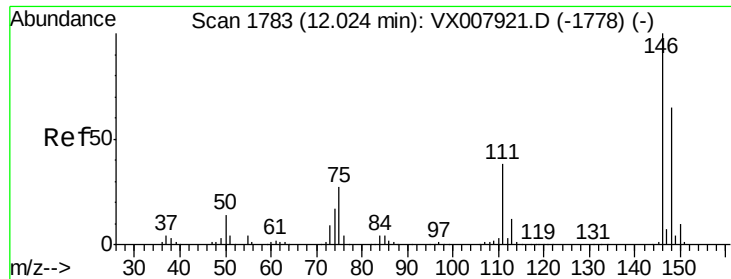


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 9.139 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

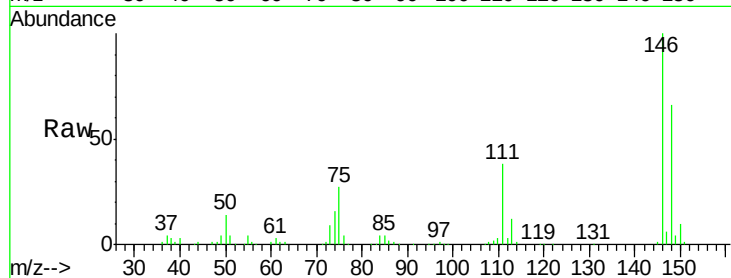
Tot Ion:146 Resp: 55339

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

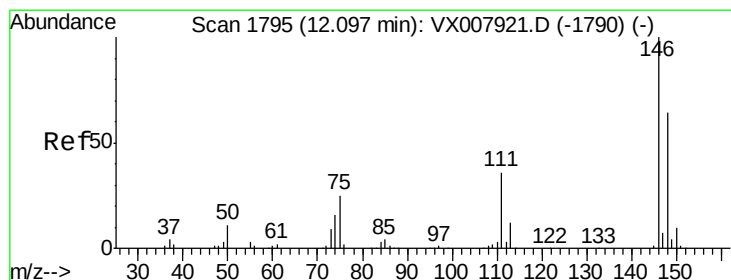
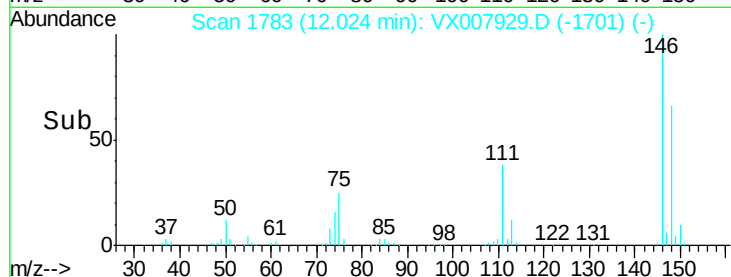
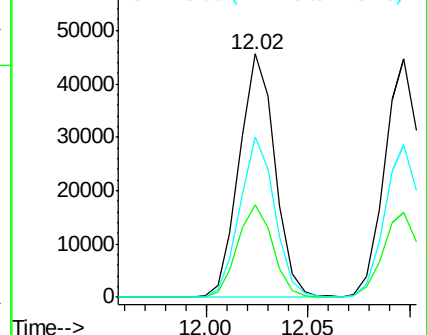
148 64.7 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 9.109 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

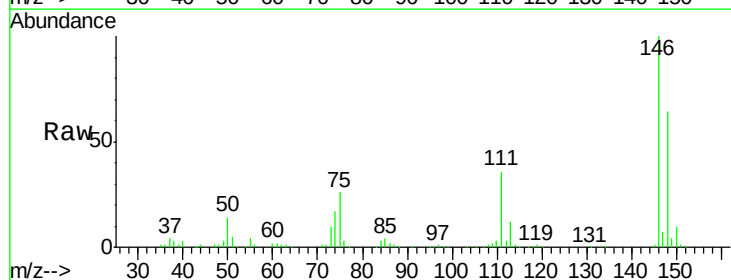
Tgt Ion:146 Resp: 55188

Ion Ratio Lower Upper

146 100

111 36.4 17.6 52.8

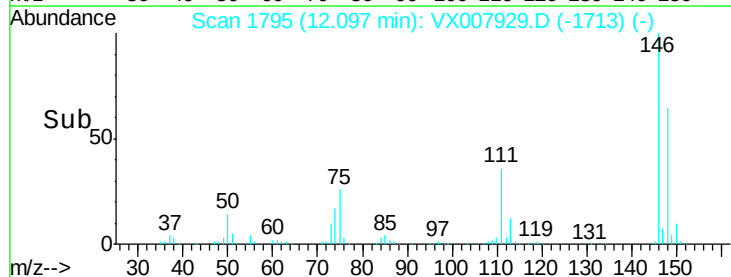
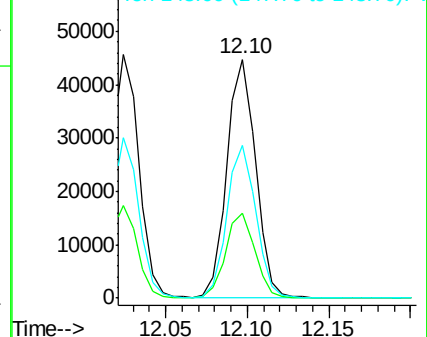
148 64.3 31.4 94.2

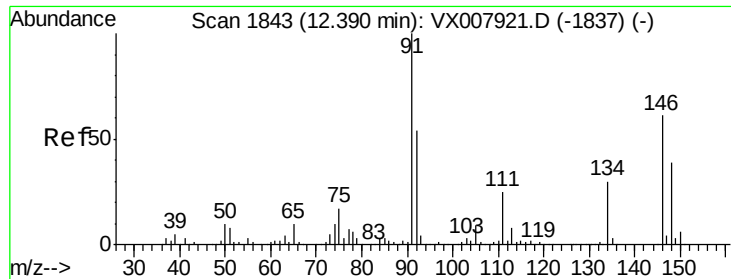


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 8.373 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

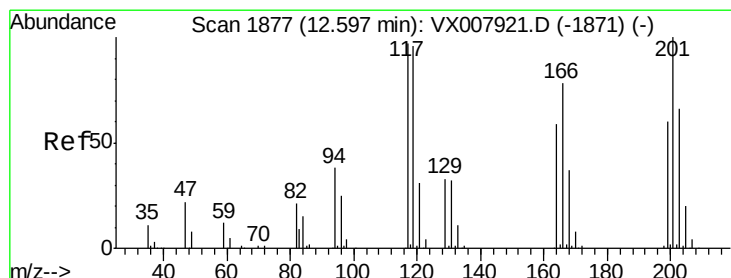
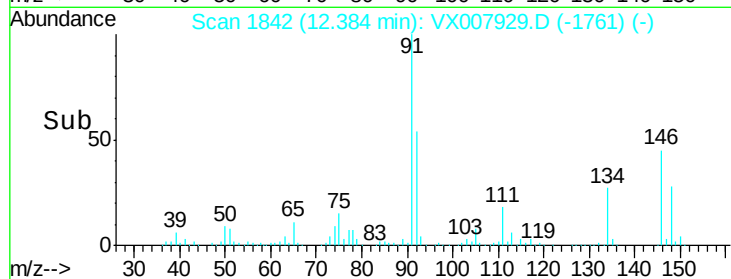
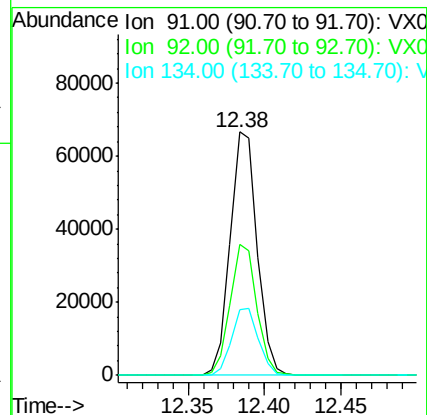
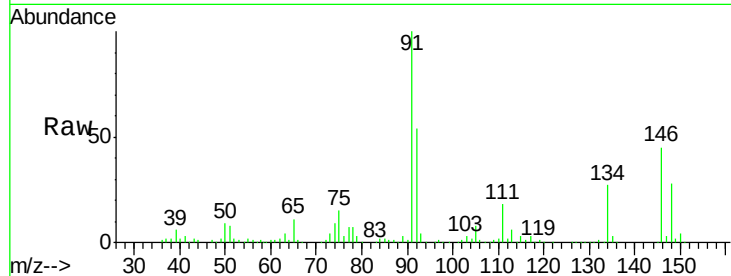
Tot Ion: 91 Resp: 81478

Ion Ratio Lower Upper

91 100

92 53.1 0.0 105.2

134 27.4 0.0 56.4



#86

Hexachloroethane

Concen: 8.202 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007929.D

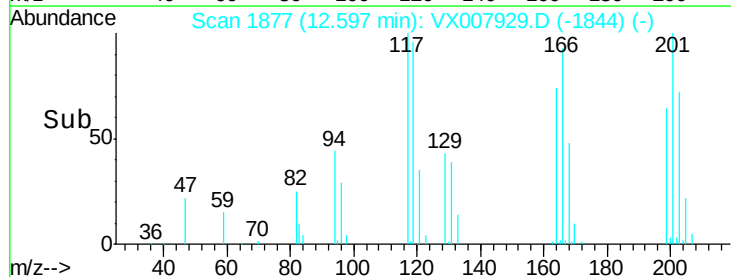
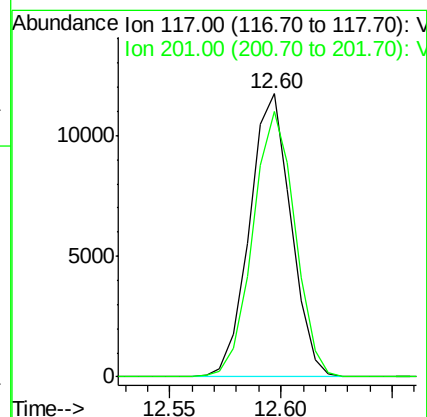
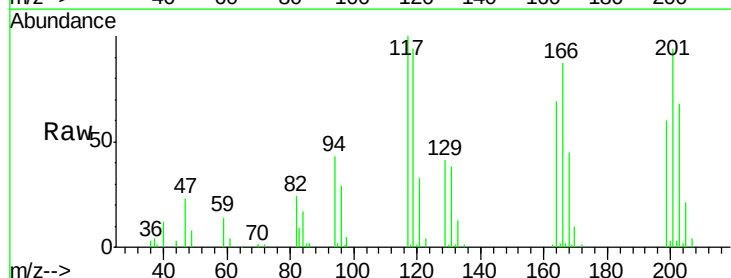
Acq: 08 Mar 2019 14:16

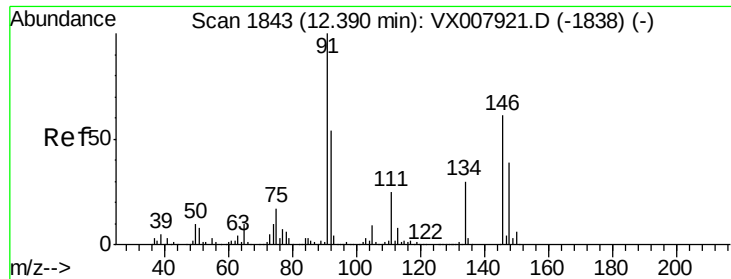
Tgt Ion: 117 Resp: 15206

Ion Ratio Lower Upper

117 100

201 95.2 41.1 123.3

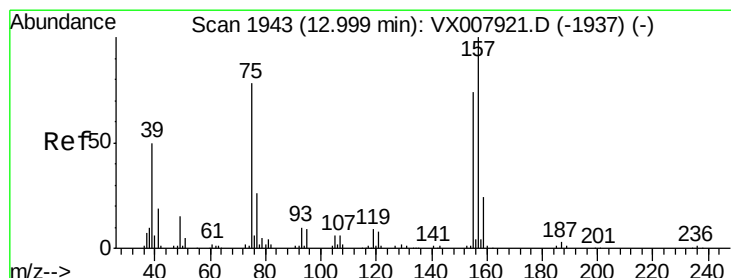
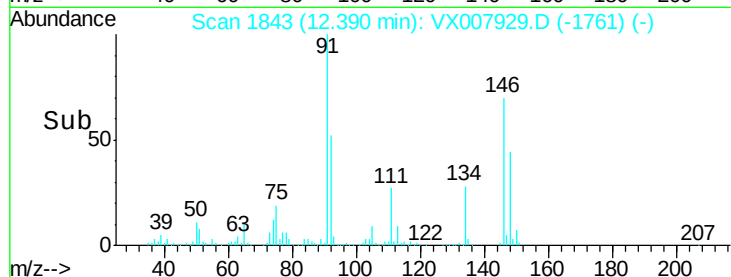
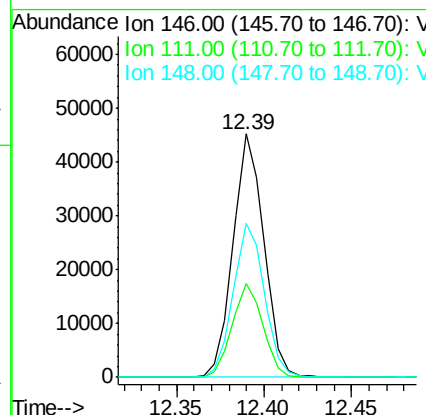
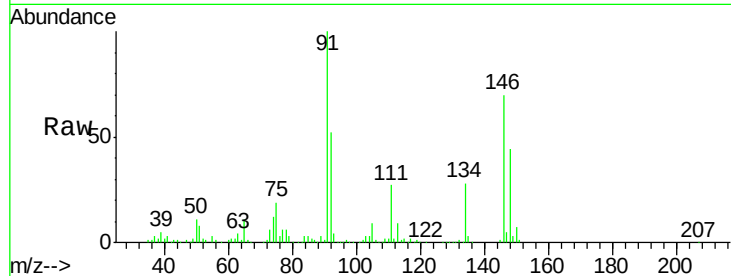




#87
 1,2-Dichlorobenzene
 Concen: 9.304 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

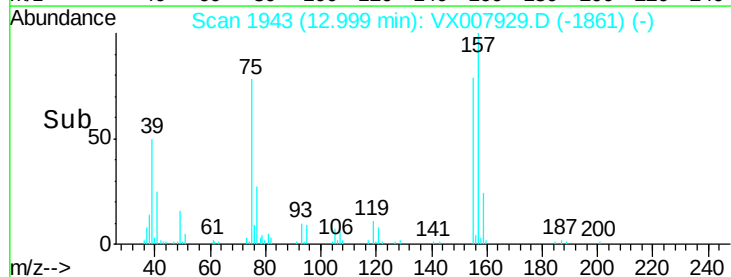
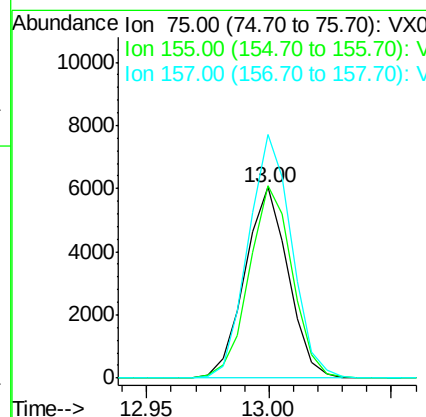
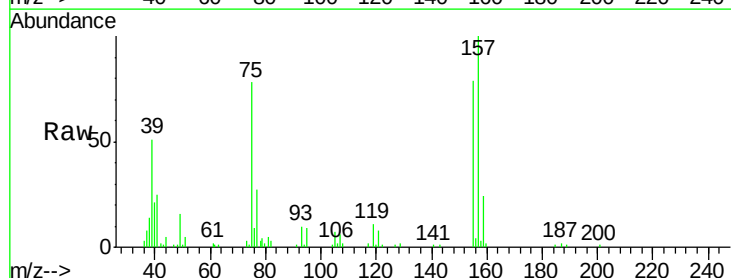
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

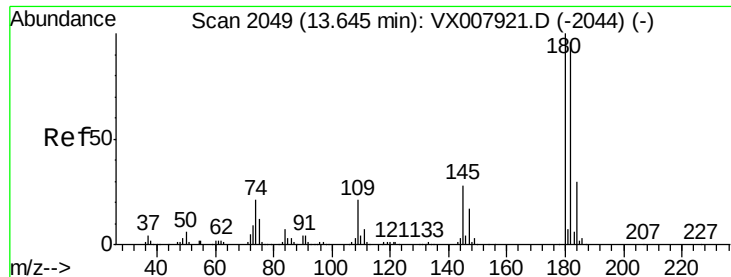
Tot Ion:146 Resp: 55680
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.8
 148 63.8 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 8.609 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 75 Resp: 7430
 Ion Ratio Lower Upper
 75 100
 155 101.0 81.0 121.6
 157 128.3 103.2 154.8

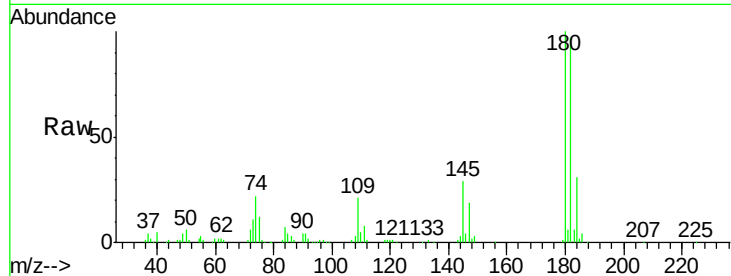




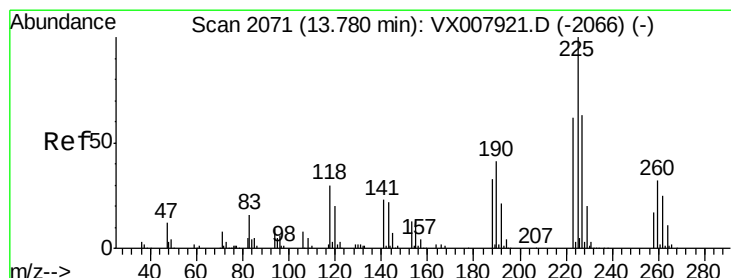
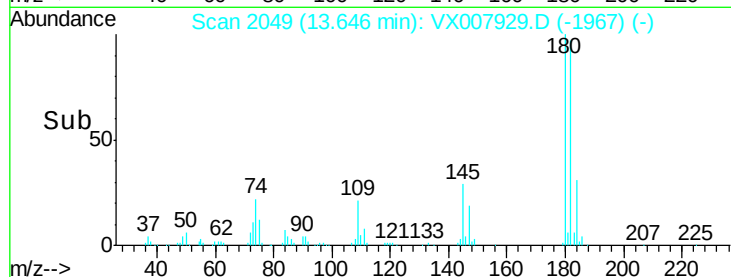
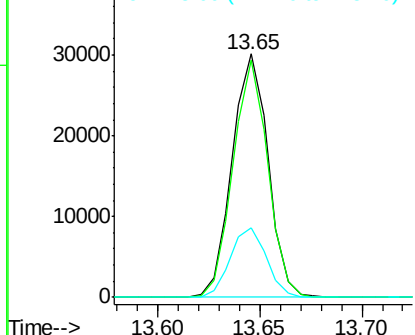
#89
 1,2,4-Trichlorobenzene
 Concen: 8.555 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion:180 Resp: 36794
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.6 113.4
 145 28.7 23.0 34.6

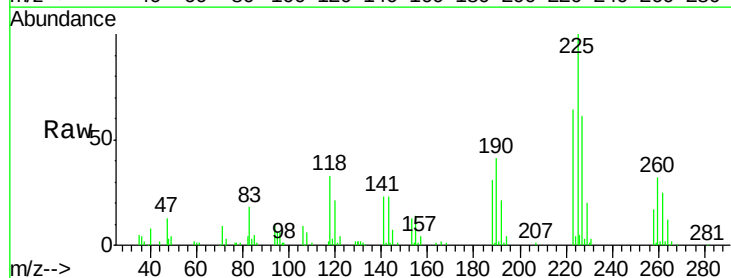


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

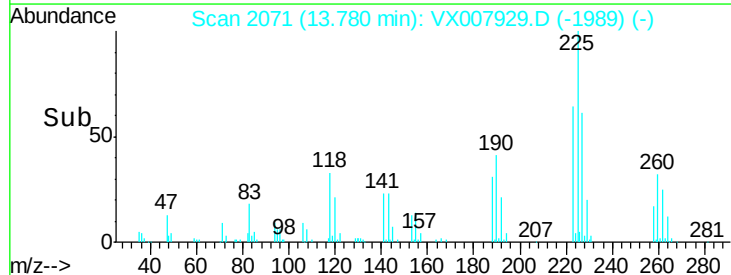
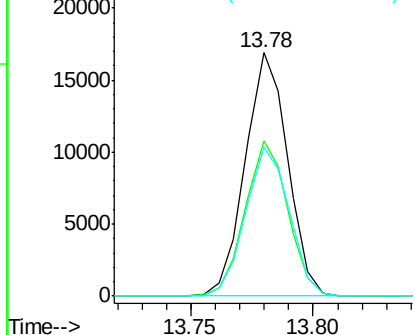


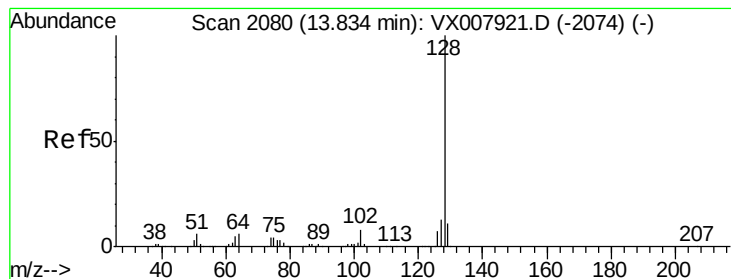
#90
 Hexachlorobutadiene
 Concen: 8.620 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion:225 Resp: 20447
 Ion Ratio Lower Upper
 225 100
 223 64.1 0.0 123.8
 227 63.1 0.0 124.4



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





#91

Naphthalene

Concen: 8.759 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

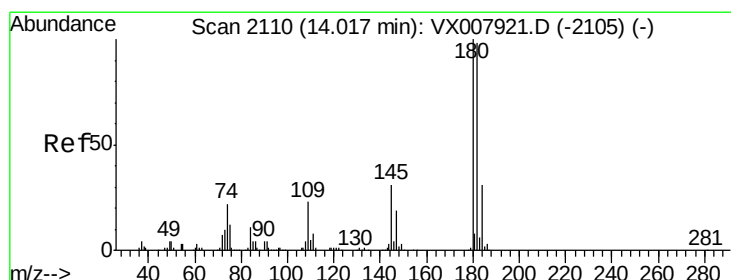
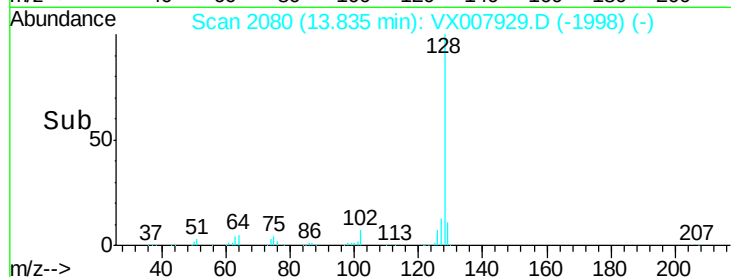
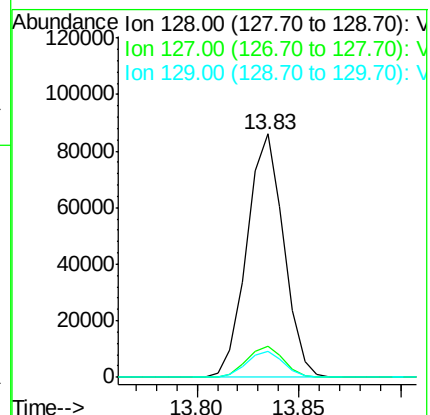
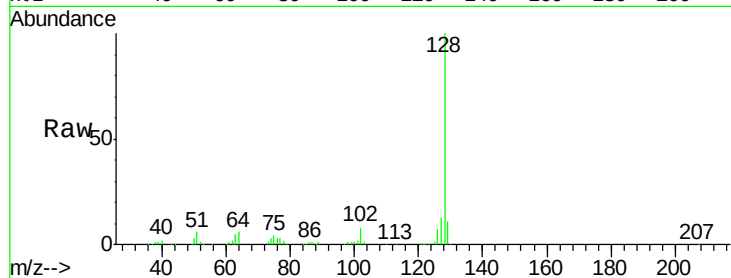
Tot Ion:128 Resp: 107983

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 8.850 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion:180 Resp: 37835

Ion Ratio Lower Upper

180 100

182 95.6 0.0 193.0

145 30.0 0.0 63.0

