

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013072.D
 Acq On : 15 Oct 2019 12:58
 Operator : JC/SP
 Sample : 1.0PPB LOO
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 16 05:57:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	103191	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	5.49	113	80189	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	300457	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	110381	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1773	1.030	ug/l	94
3) Chloromethane	1.32	50	2003	1.069	ug/l	96
4) Vinyl Chloride	1.40	62	1777	0.919	ug/l	96
5) Bromomethane	1.64	94	1534	1.908	ug/l #	72
6) Chloroethane	1.72	64	1468	1.601	ug/l	90
7) Trichlorofluoromethane	1.92	101	2879	1.103	ug/l	90
8) Diethyl Ether	2.18	74	1144	1.086	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2056	1.217	ug/l	93
10) Methyl Iodide	2.50	142	2165	6.098	ug/l	96
11) Tert butyl alcohol	3.01	59	5842	10.437	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	1811	1.061	ug/l #	83
13) Acrolein	2.28	56	1647	4.140	ug/l	98
14) Allyl chloride	2.72	41	3279	1.078	ug/l	93
15) Acrylonitrile	3.13	53	5530	5.213	ug/l	96
16) Acetone	2.43	43	5376	4.830	ug/l	99
17) Carbon Disulfide	2.56	76	5282	1.085	ug/l #	90
18) Methyl Acetate	2.76	43	2784	1.055	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	6132	1.040	ug/l	97
20) Methylene Chloride	2.85	84	2367	1.157	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	1899	1.038	ug/l	89
22) Diisopropyl ether	3.84	45	6081	1.044	ug/l #	45
23) Vinyl Acetate	3.81	43	22591	4.492	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	3570	1.089	ug/l	94
25) 2-Butanone	4.67	43	7465	4.834	ug/l	93
26) 2,2-Dichloropropane	4.57	77	2863	1.039	ug/l	90
27) cis-1,2-Dichloroethene	4.58	96	2374	1.126	ug/l	92
28) Bromochloromethane	5.00	49	1104	0.686	ug/l #	97
29) Tetrahydrofuran	5.14	42	4403	4.634	ug/l	96
30) Chloroform	5.19	83	3755	1.117	ug/l	97
31) Cyclohexane	5.56	56	3254	1.062	ug/l #	92
32) 1,1,1-Trichloroethane	5.48	97	1346	0.472	ug/l #	14
36) 1,1-Dichloropropene	5.80	75	2747	1.096	ug/l	98
37) Ethyl Acetate	4.83	43	2684	0.958	ug/l #	80
38) Carbon Tetrachloride	5.78	117	2421	0.993	ug/l #	85

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3295	1.084	ug/l	91
40) Benzene	6.14	78	8073	1.091	ug/l	98
41) Methacrylonitrile	5.03	41	1581	1.027	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	3085	1.162	ug/l	93
43) Isopropyl Acetate	6.43	43	4019	0.894	ug/l	97
44) Trichloroethene	7.21	130	2185	1.065	ug/l	91
45) 1,2-Dichloropropane	7.51	63	1925	1.020	ug/l	99
46) Dibromomethane	7.66	93	1160	0.923	ug/l	87
47) Bromodichloromethane	7.89	83	2261	0.922	ug/l #	84
48) Methyl methacrylate	7.78	41	2037	0.929	ug/l	95
49) 1,4-Dioxane	7.73	88	969	50.981	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	12755	4.549	ug/l	98
52) Toluene	8.78	92	5039	1.064	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2322	2.895	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	2625	0.870	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	2033	1.085	ug/l	90
56) Ethyl methacrylate	9.18	69	2722	2.613	ug/l	97
57) 1,3-Dichloropropane	9.37	76	3401	1.049	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5368	3.899	ug/l	99
59) 2-Hexanone	9.49	43	9477	4.342	ug/l	97
60) Dibromochloromethane	9.58	129	1561	2.578	ug/l	78
61) 1,2-Dibromoethane	9.67	107	1780	0.903	ug/l	86
64) Tetrachloroethene	9.34	164	2060	1.190	ug/l #	87
65) Chlorobenzene	10.14	112	5109	1.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	1761	1.025	ug/l #	66
67) Ethyl Benzene	10.25	91	8913	1.013	ug/l	98
68) m/p-Xylenes	10.35	106	6387	1.942	ug/l	97
69) o-Xylene	10.70	106	3267	1.019	ug/l	100
70) Styrene	10.71	104	5023	0.921	ug/l	98
71) Bromoform	10.85	173	1002	3.774	ug/l #	84
73) Isopropylbenzene	11.01	105	8180	1.024	ug/l	98
74) N-amyl acetate	10.90	43	3209	0.933	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	2709	1.020	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	3147	1.306	ug/l	78
77) Bromobenzene	11.25	156	2306	1.225	ug/l	92
78) n-propylbenzene	11.35	91	9042	1.029	ug/l	95
79) 2-Chlorotoluene	11.42	91	6135	1.111	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	6686	1.002	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	55570	58.542	ug/l #	10
82) 4-Chlorotoluene	11.51	91	6571	1.038	ug/l	94
83) tert-Butylbenzene	11.77	119	6387	0.982	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	6282	0.930	ug/l	99
85) sec-Butylbenzene	11.94	105	7239	0.960	ug/l	96
86) p-Isopropyltoluene	12.06	119	6767	0.968	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	3880	1.110	ug/l	99
88) 1,4-Dichlorobenzene	12.03	146	3880	1.096	ug/l	98
89) n-Butylbenzene	12.38	91	5440	0.926	ug/l	99
90) Hexachloroethane	12.59	117	977	2.841	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	3777	1.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	561	0.901	ug/l	84

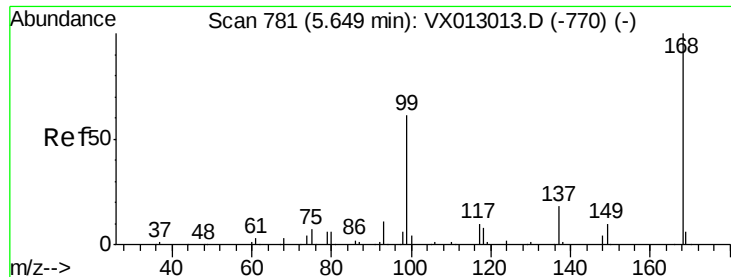
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	2350	1.095	ug/l	87
94) Hexachlorobutadiene	13.77	225	937	0.946	ug/l	94
95) Naphthalene	13.83	128	7181	0.965	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2342	1.056	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

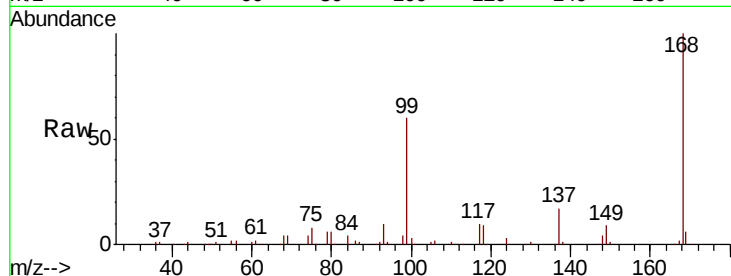
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 168944

Ion Ratio Lower Upper

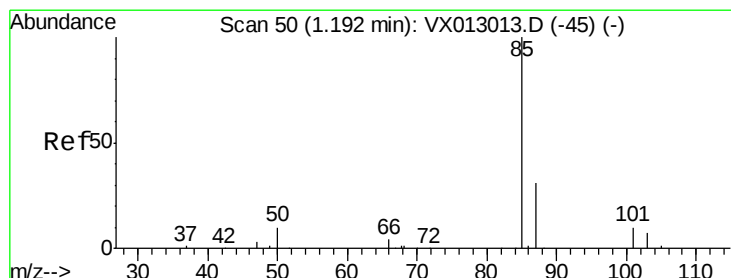
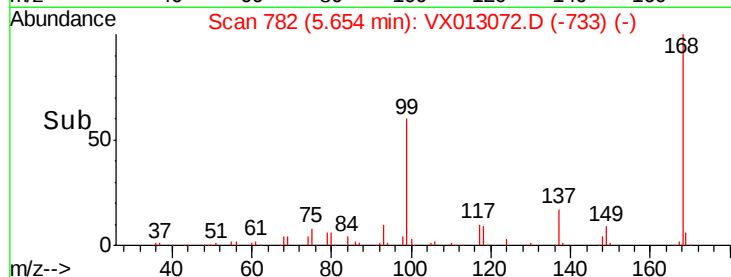
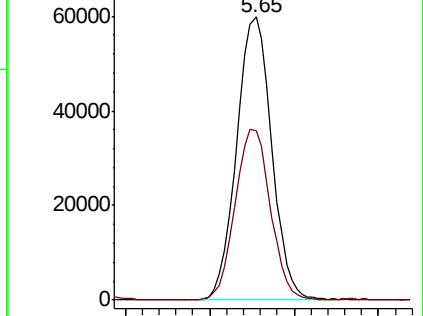
168 100

99 60.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.030 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013072.D

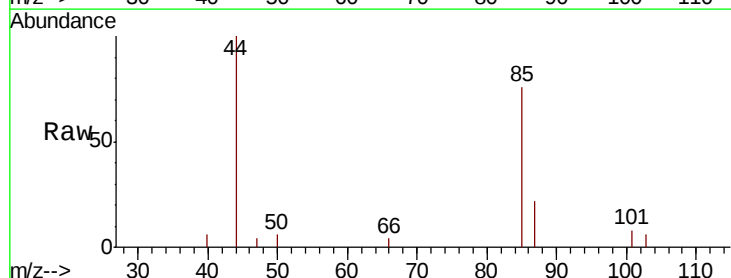
Acq: 15 Oct 2019 12:58

Tgt Ion: 85 Resp: 1773

Ion Ratio Lower Upper

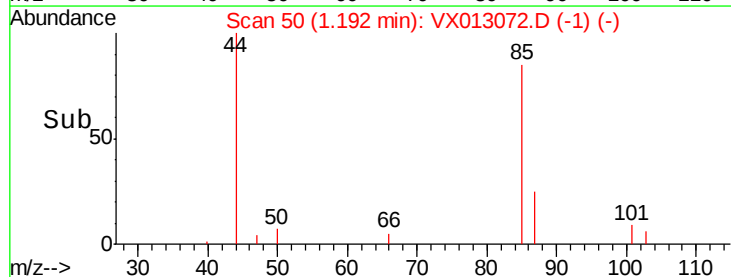
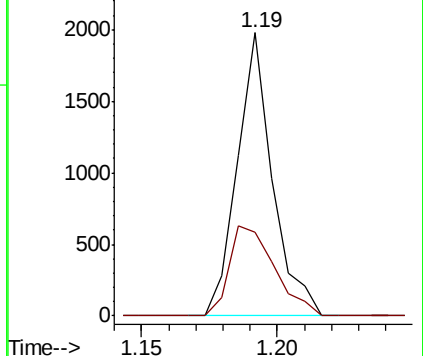
85 100

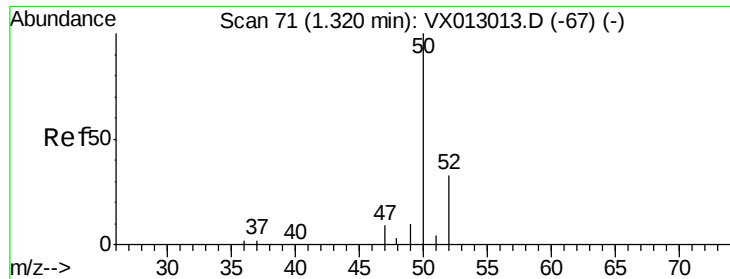
87 29.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.069 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

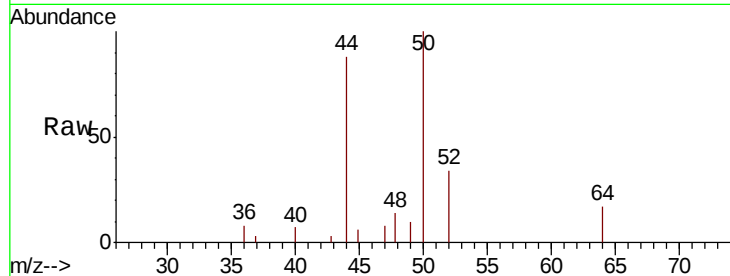
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 2003

Ion Ratio Lower Upper

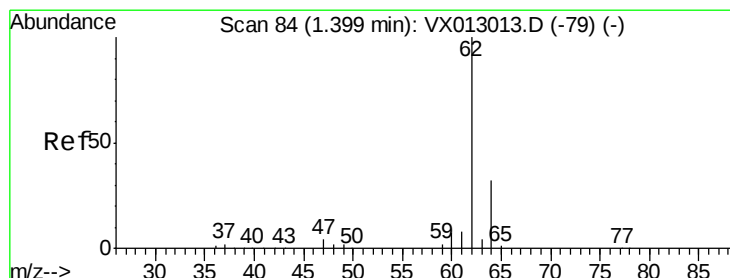
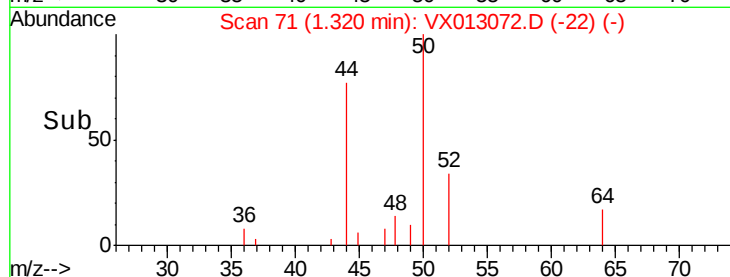
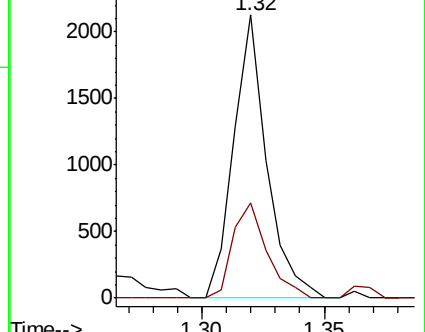
50 100

52 33.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.919 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013072.D

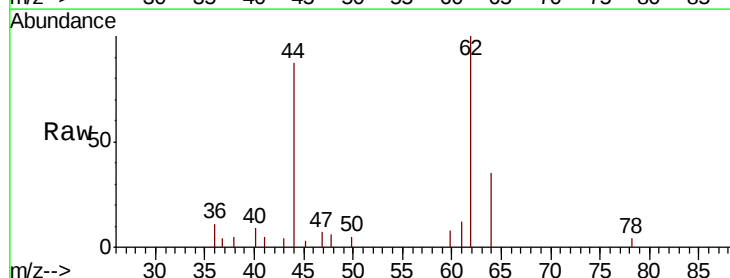
Acq: 15 Oct 2019 12:58

Tgt Ion: 62 Resp: 1777

Ion Ratio Lower Upper

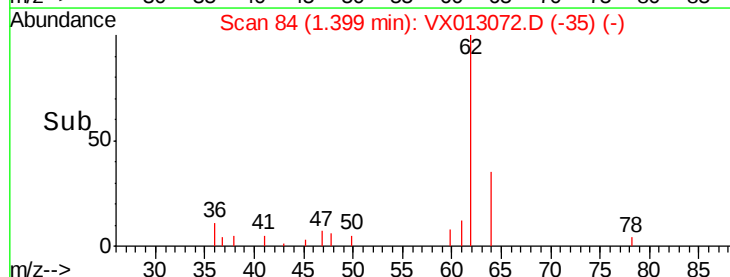
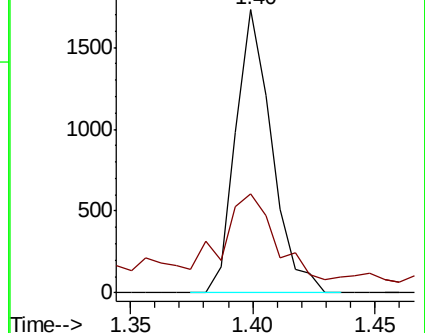
62 100

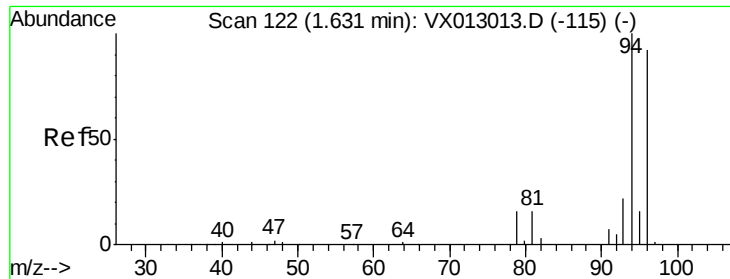
64 29.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.908 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

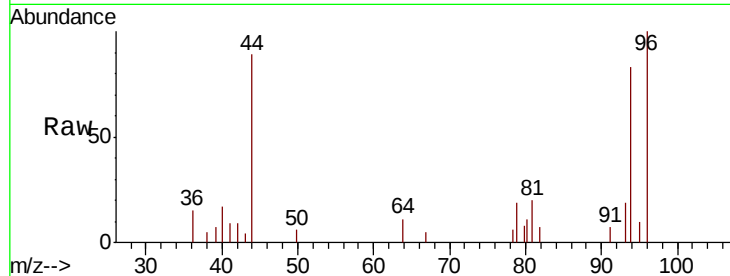
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 1534

Ion Ratio Lower Upper

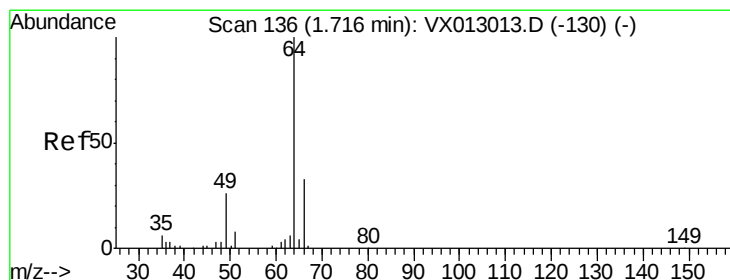
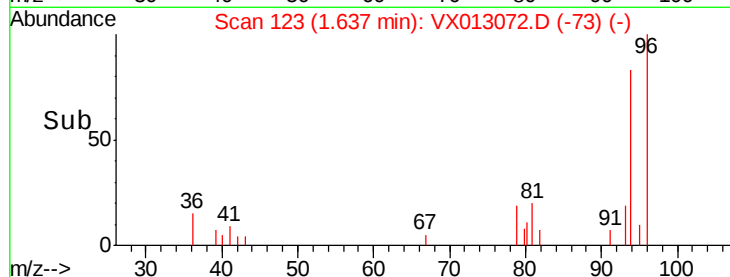
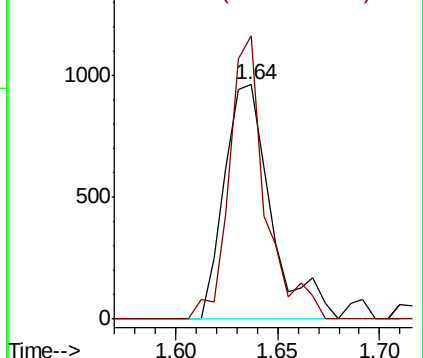
94 100

96 120.6 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.601 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013072.D

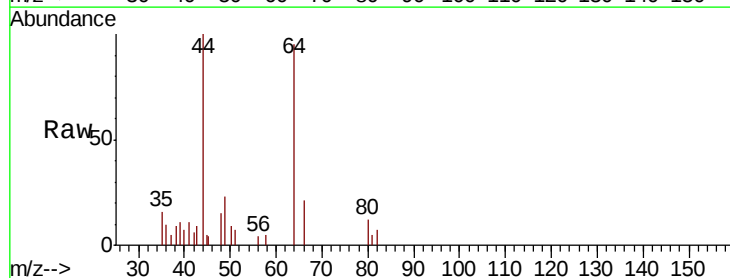
Acq: 15 Oct 2019 12:58

Tgt Ion: 64 Resp: 1468

Ion Ratio Lower Upper

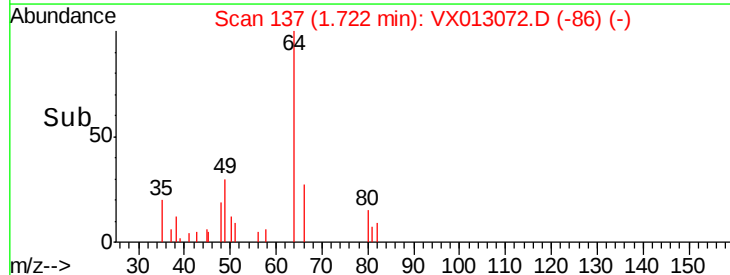
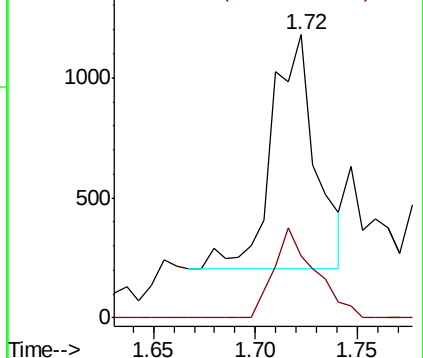
64 100

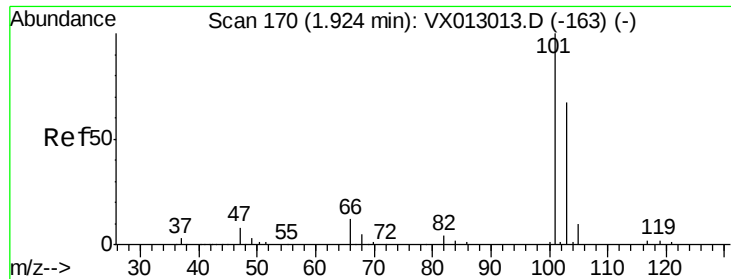
66 26.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 1.103 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

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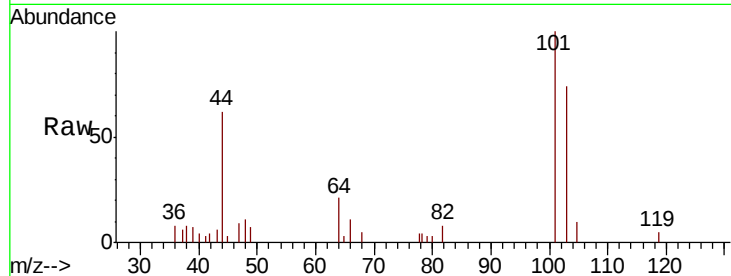
LOQ-WATER-02-QT4-2019

Tot Ion:101 Resp: 2879

Ion Ratio Lower Upper

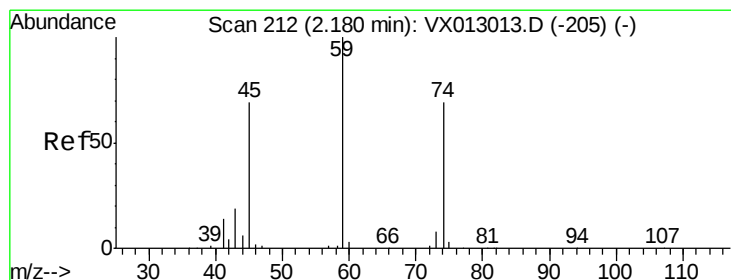
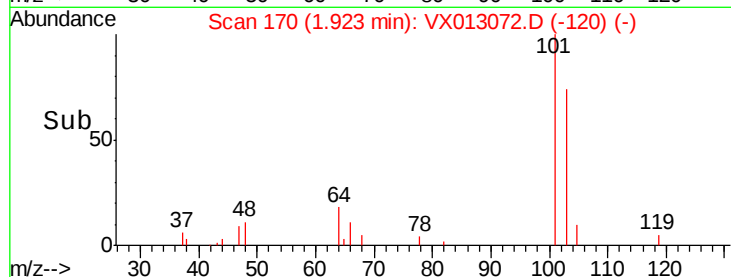
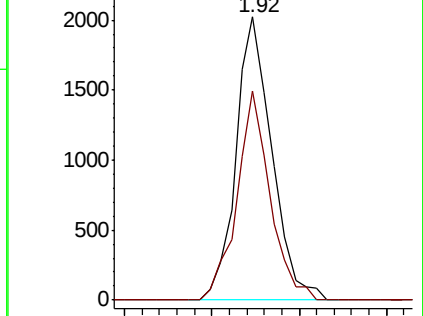
101 100

103 73.7 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.086 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013072.D

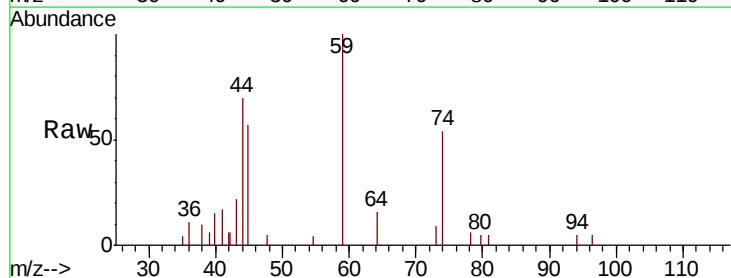
Acq: 15 Oct 2019 12:58

Tgt Ion: 74 Resp: 1144

Ion Ratio Lower Upper

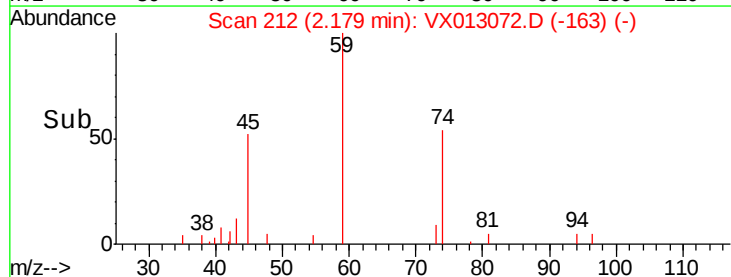
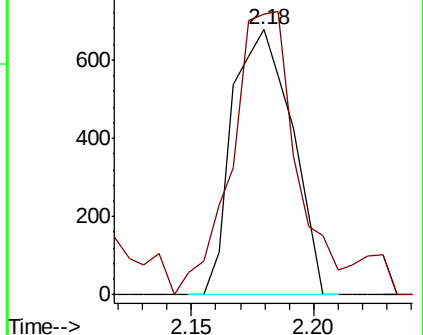
74 100

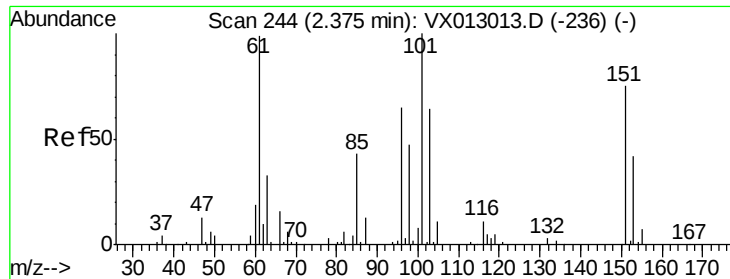
45 117.0 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.217 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

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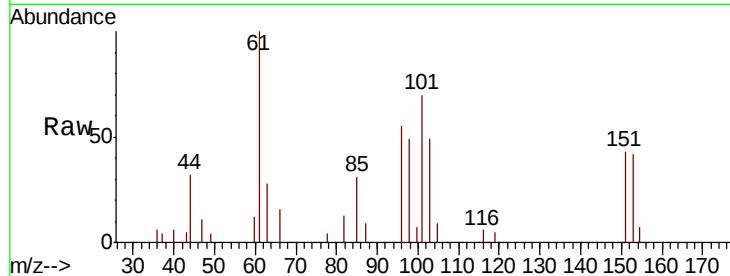
Tot Ion:101 Resp: 2056

Ion Ratio Lower Upper

101 100

85 43.1 35.2 52.8

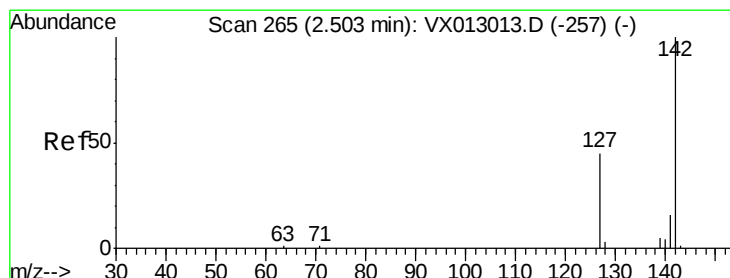
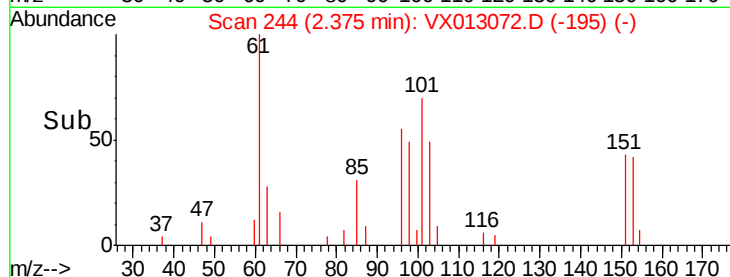
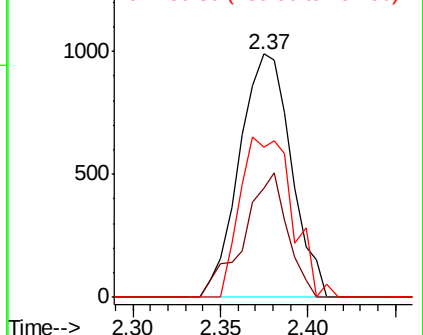
151 66.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.098 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

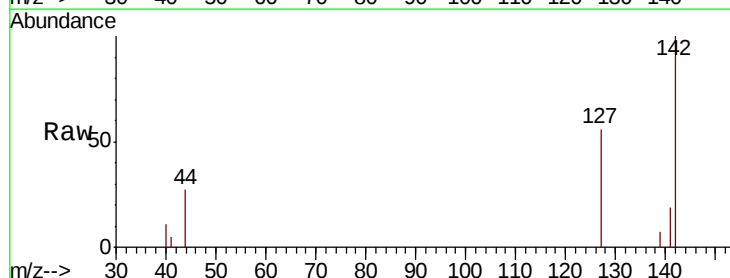
Tgt Ion:142 Resp: 2165

Ion Ratio Lower Upper

142 100

127 41.3 34.9 52.3

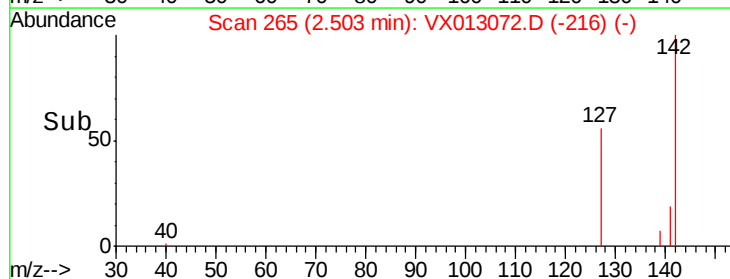
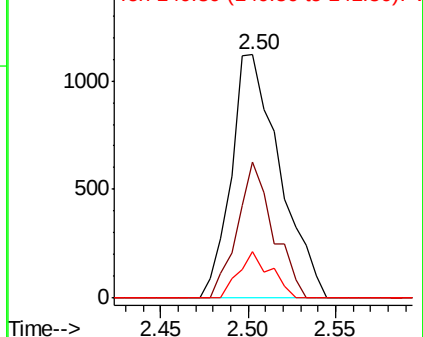
141 12.6 11.6 17.4

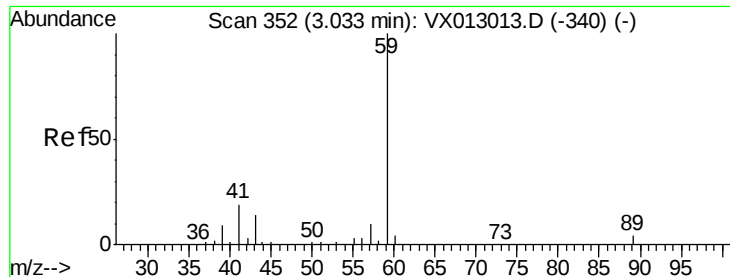


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



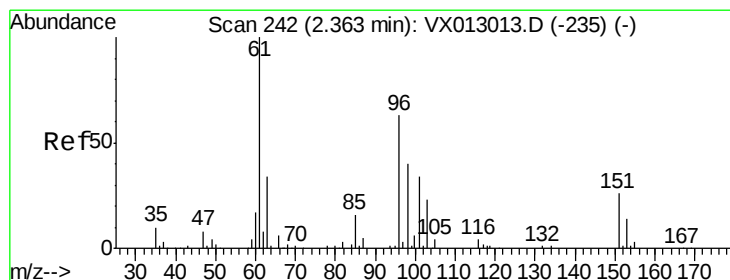
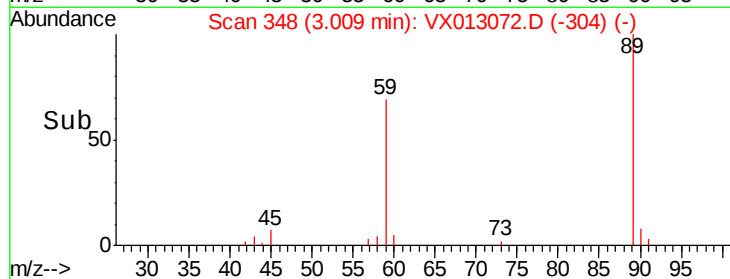
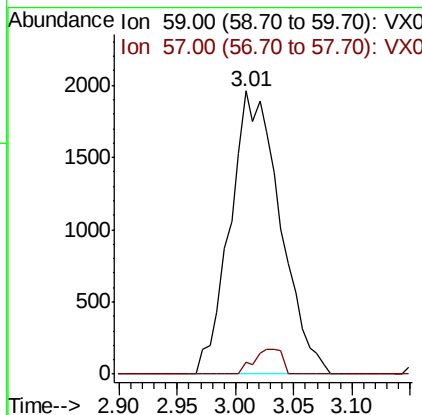
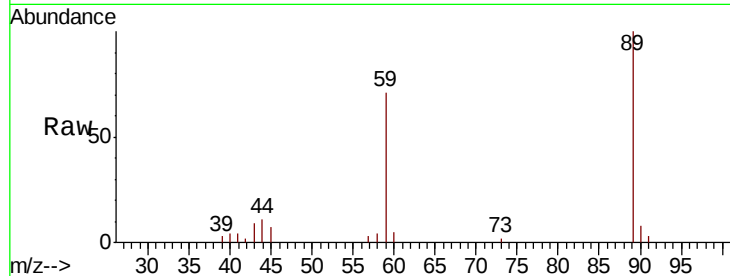


#11

Tert butyl alcohol
 Concen: 10.437 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

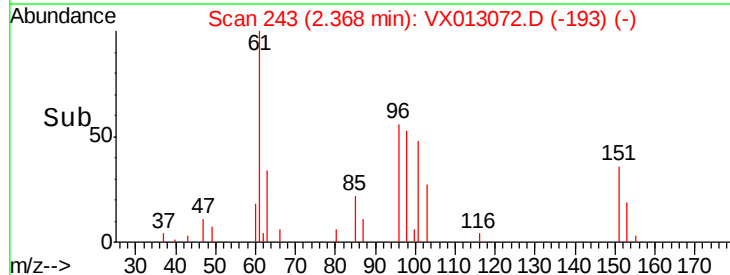
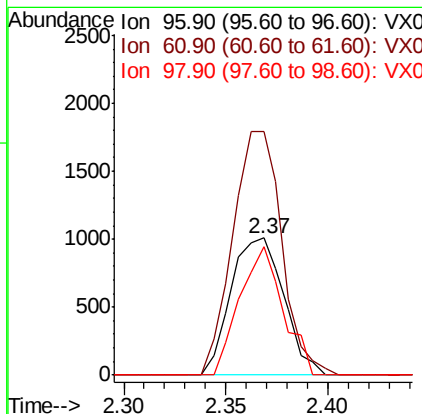
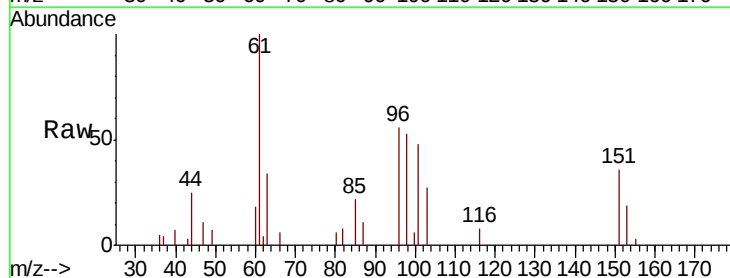
Tot Ion: 59 Resp: 5842
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.3 12.5#

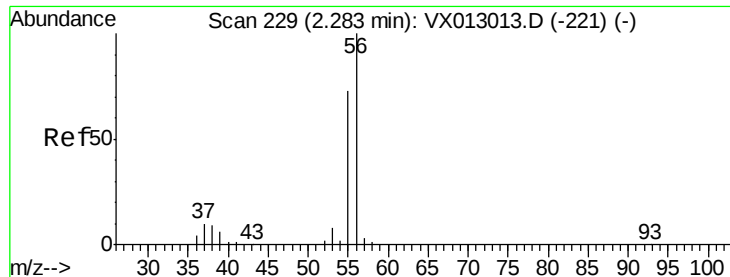


#12

1,1-Dichloroethene
 Concen: 1.061 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 96 Resp: 1811
 Ion Ratio Lower Upper
 96 100
 61 177.2 132.2 198.4
 98 93.3 50.5 75.7#





#13

Acrolein

Concen: 4.140 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

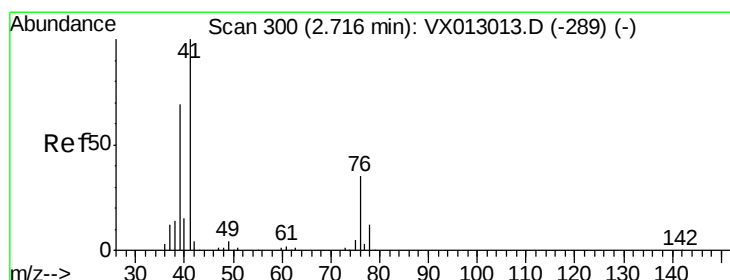
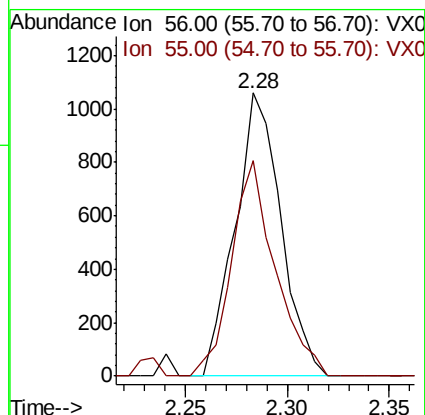
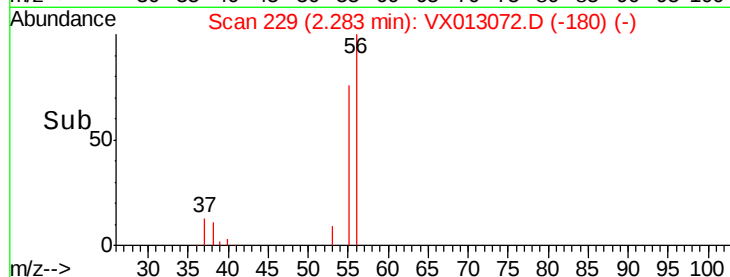
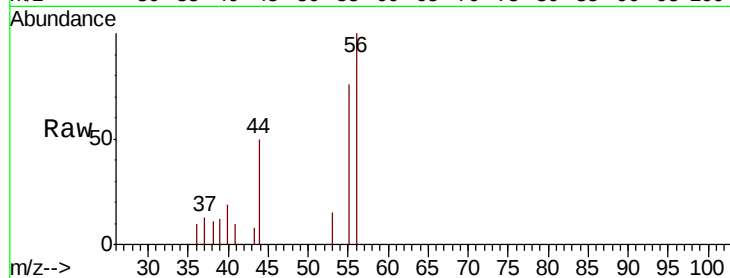
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 1647

Ion Ratio Lower Upper

56 100

55 72.9 56.6 85.0



#14

Allyl chloride

Concen: 1.078 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

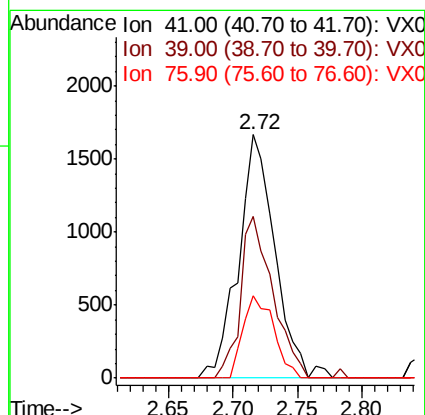
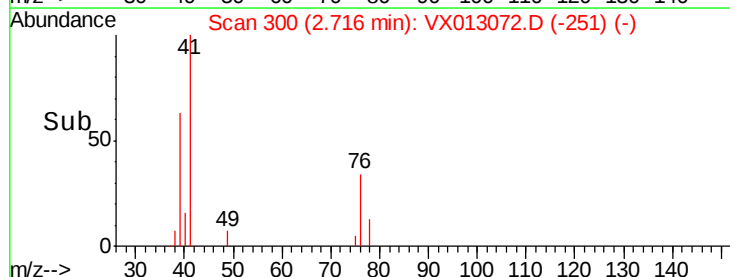
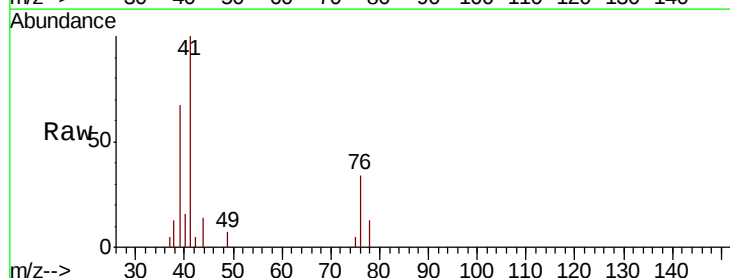
Tgt Ion: 41 Resp: 3279

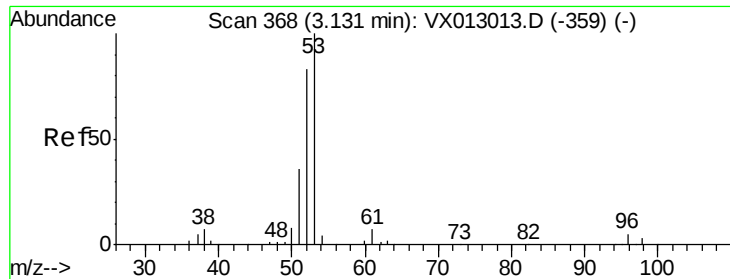
Ion Ratio Lower Upper

41 100

39 58.9 51.0 76.6

76 28.3 26.2 39.4

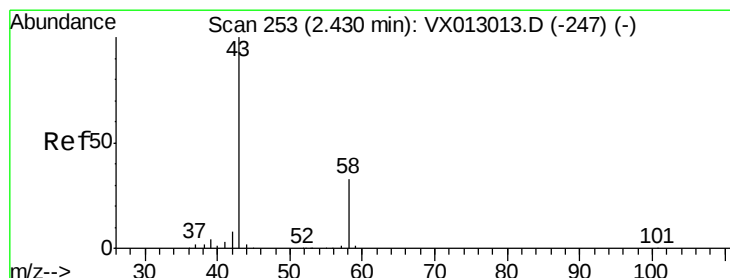
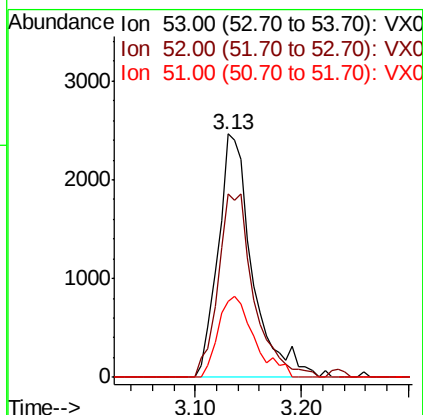
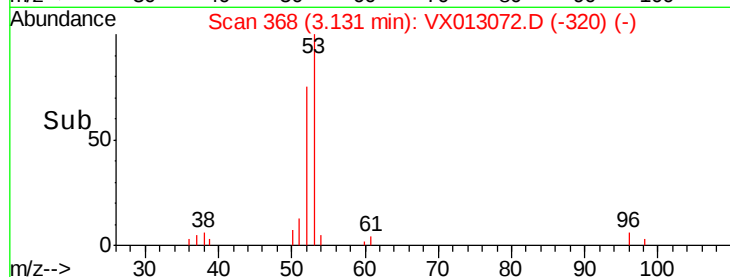
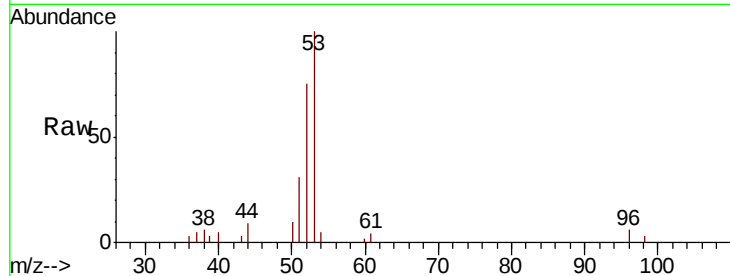




#15
 Acrylonitrile
 Concen: 5.213 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

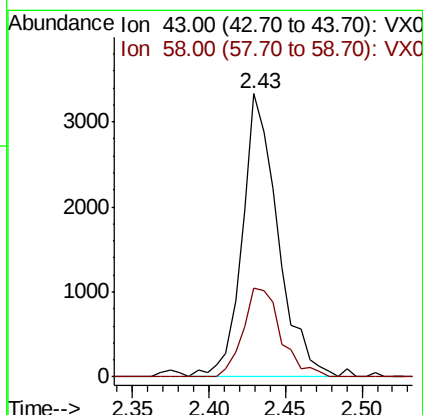
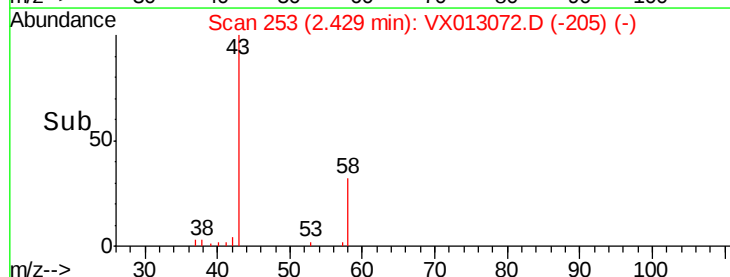
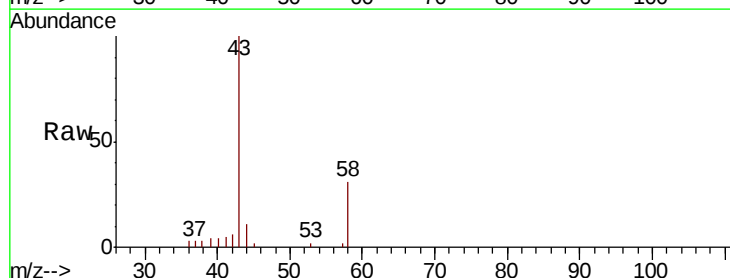
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

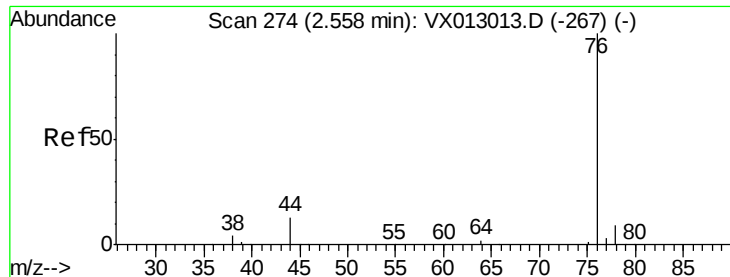
Tot Ion: 53 Resp: 5530
 Ion Ratio Lower Upper
 53 100
 52 78.2 66.2 99.2
 51 34.9 28.2 42.4



#16
 Acetone
 Concen: 4.830 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 43 Resp: 5376
 Ion Ratio Lower Upper
 43 100
 58 31.2 25.4 38.2

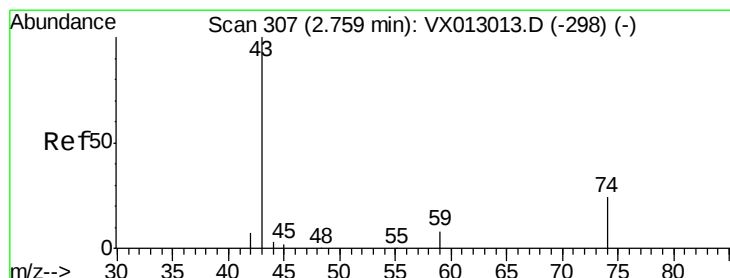
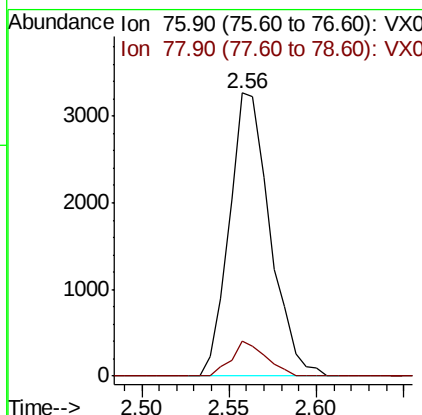
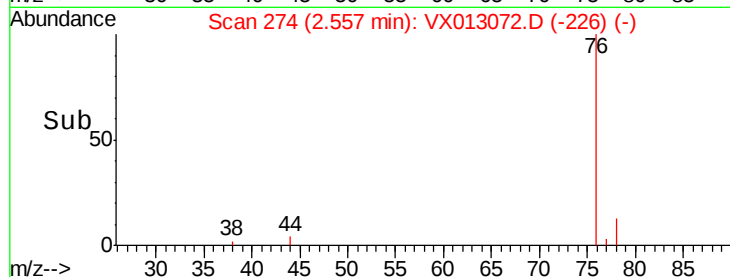
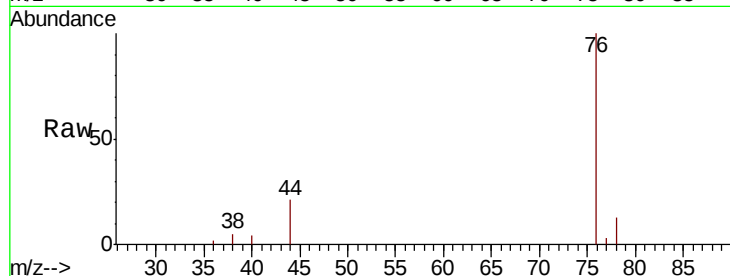




#17
Carbon Disulfide
Concen: 1.085 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

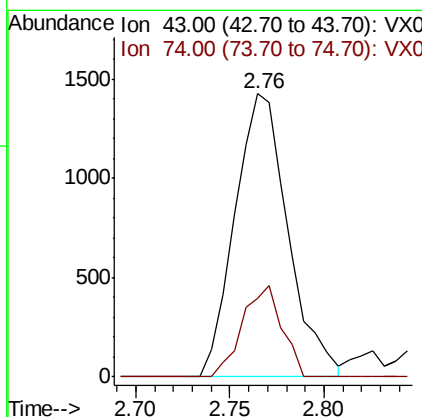
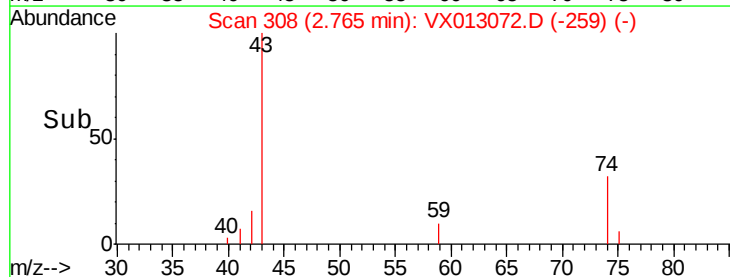
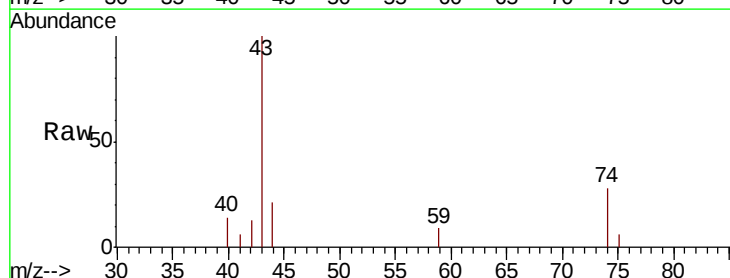
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

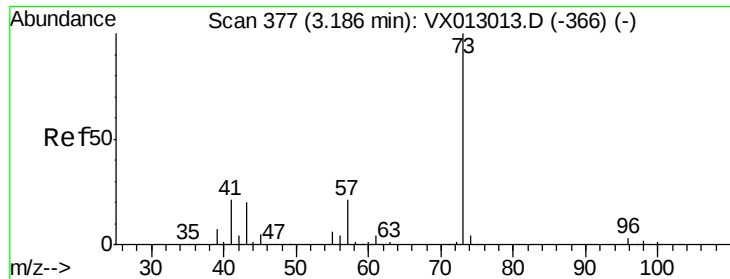
Tot Ion: 76 Resp: 5282
Ion Ratio Lower Upper
76 100
78 12.6 7.1 10.7#



#18
Methyl Acetate
Concen: 1.055 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8

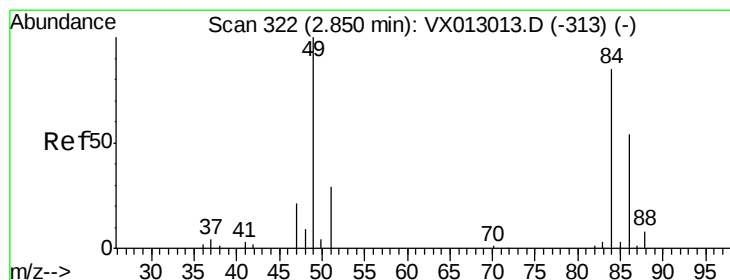
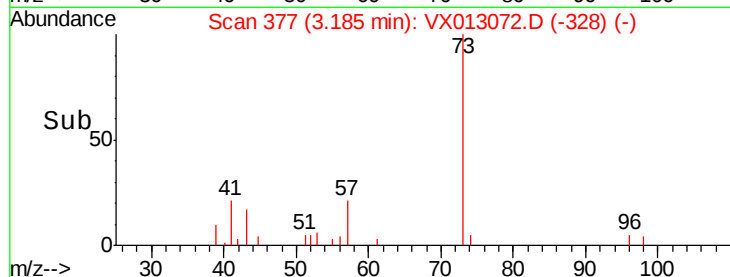
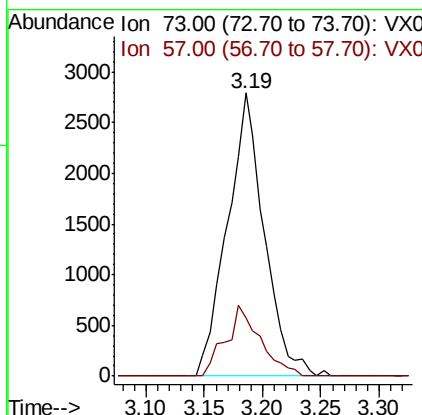
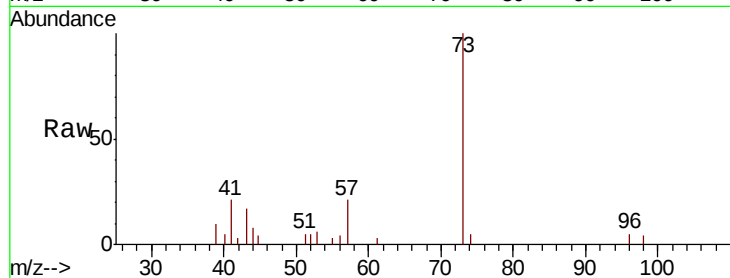




#19
Methvl tert-butvl Ether
Concen: 1.040 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

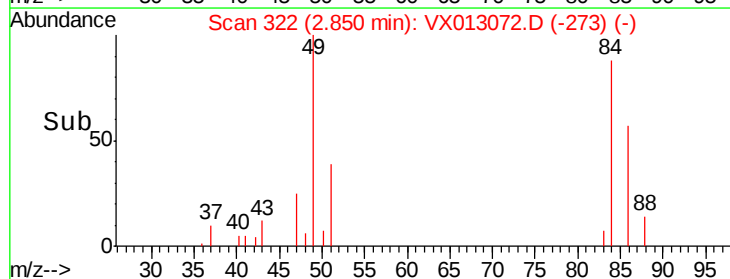
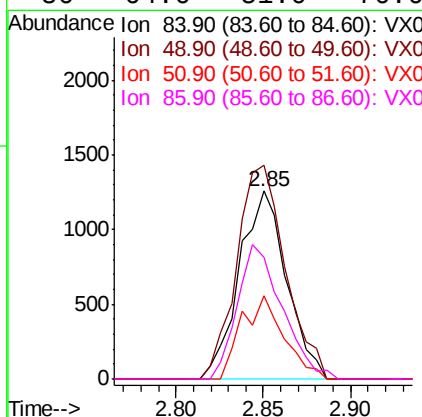
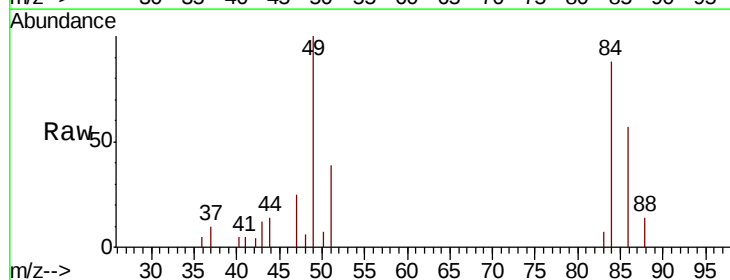
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

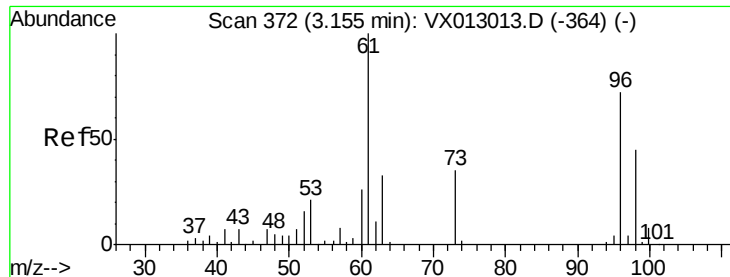
Tot Ion: 73 Resp: 6132
Ion Ratio Lower Upper
73 100
57 20.5 17.8 26.6



#20
Methylene Chloride
Concen: 1.157 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 84 Resp: 2367
Ion Ratio Lower Upper
84 100
49 113.8 96.6 144.8
51 44.3 30.7 46.1
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 1.038 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

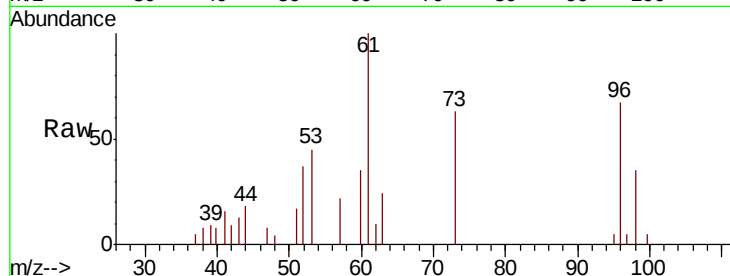
Tot Ion: 96 Resp: 1899

Ion Ratio Lower Upper

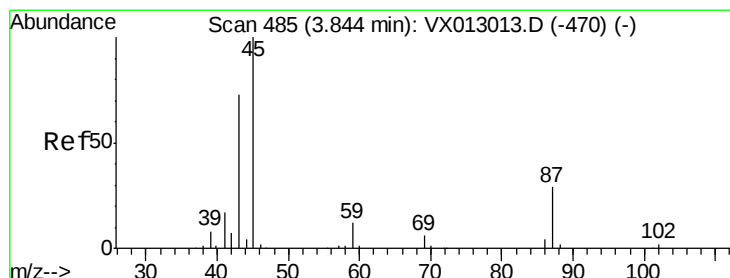
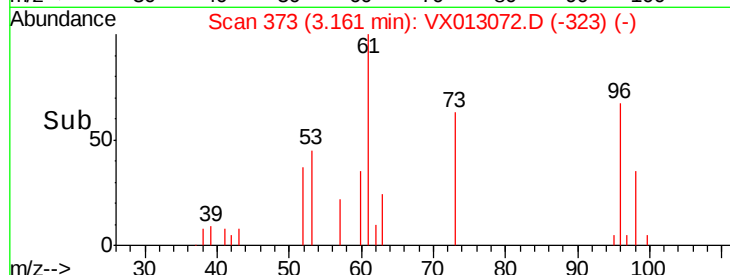
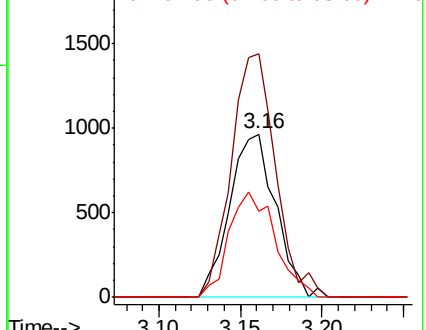
96 100

61 149.1 110.4 165.6

98 52.5 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 1.044 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Tgt Ion: 45 Resp: 6081

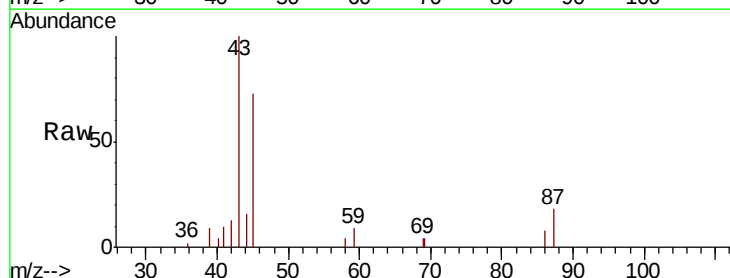
Ion Ratio Lower Upper

45 100

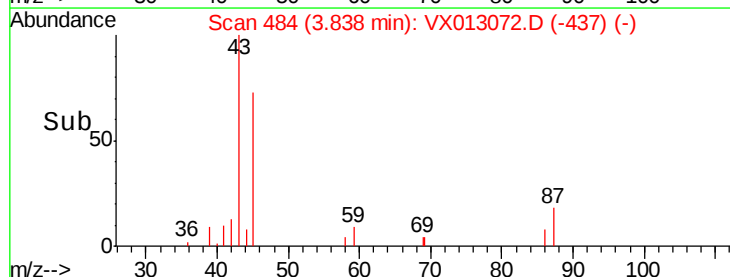
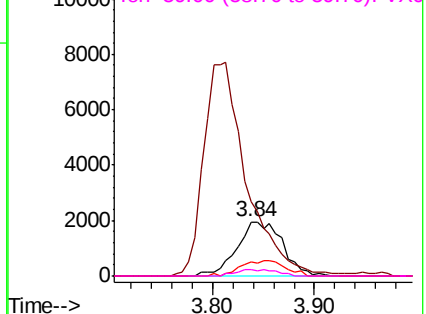
43 132.1 51.4 77.0#

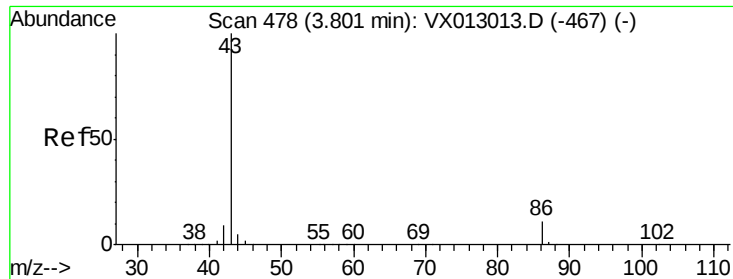
87 25.2 22.5 33.7

59 11.7 9.7 14.5



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





#23

Vinyl Acetate

Concen: 4.492 ug/l

RT: 3.81 min Scan# 480

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

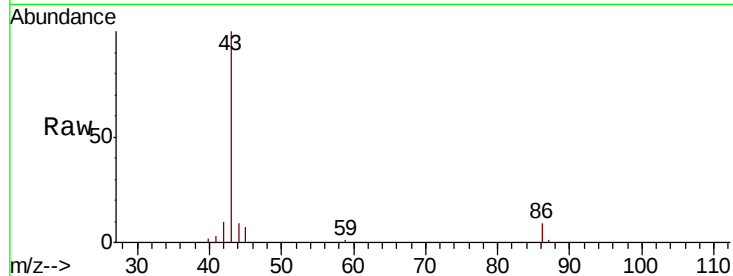
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 22591

Ion Ratio Lower Upper

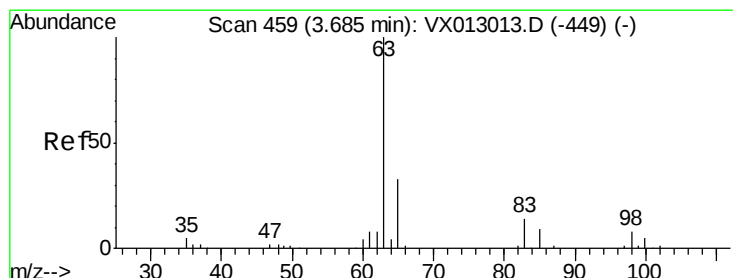
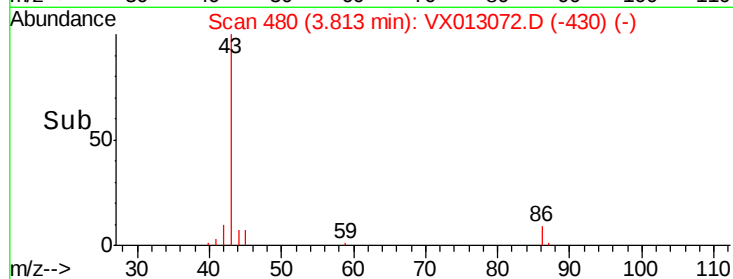
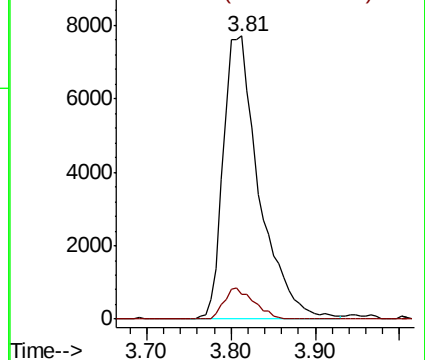
43 100

86 8.8 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.089 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

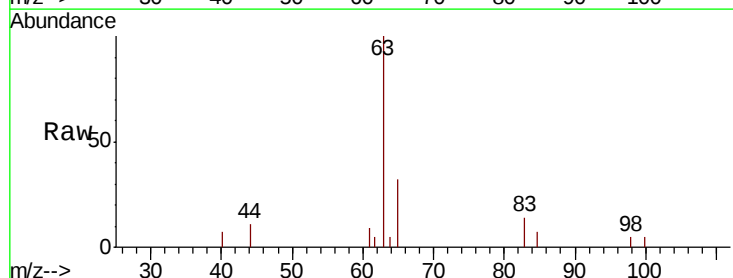
Tgt Ion: 63 Resp: 3570

Ion Ratio Lower Upper

63 100

98 4.7 3.9 11.5

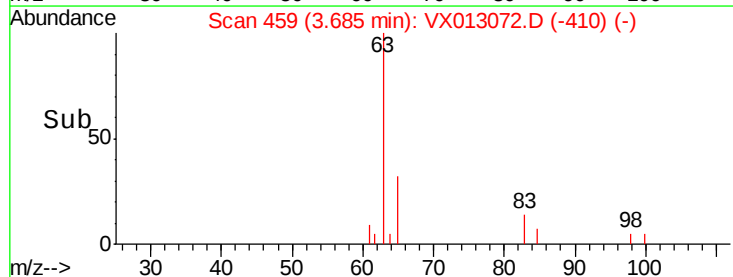
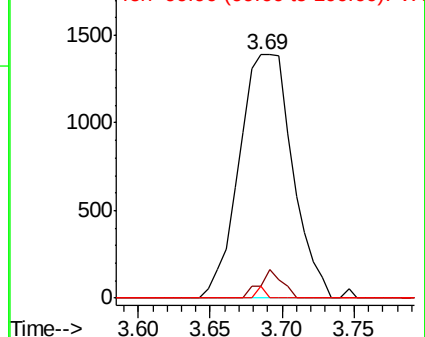
100 4.8 2.3 6.9

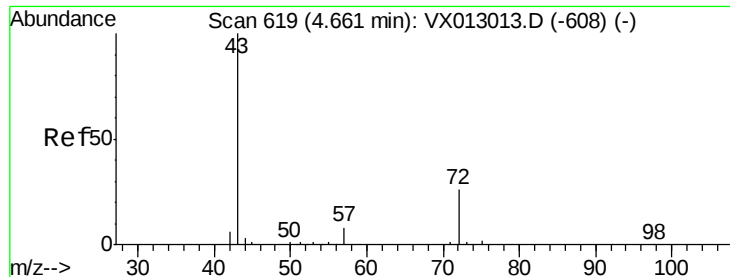


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 4.834 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

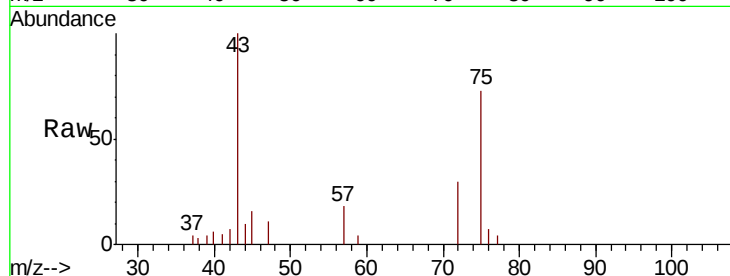
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 7465

Ion Ratio Lower Upper

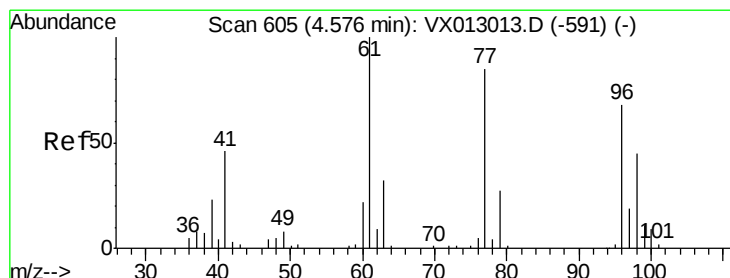
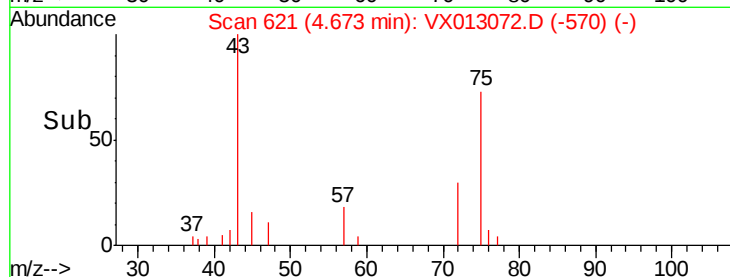
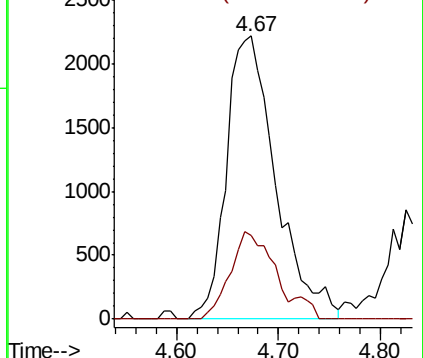
43 100

72 29.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.039 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013072.D

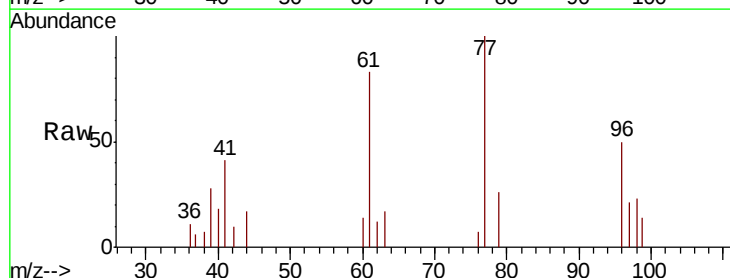
Acq: 15 Oct 2019 12:58

Tgt Ion: 77 Resp: 2863

Ion Ratio Lower Upper

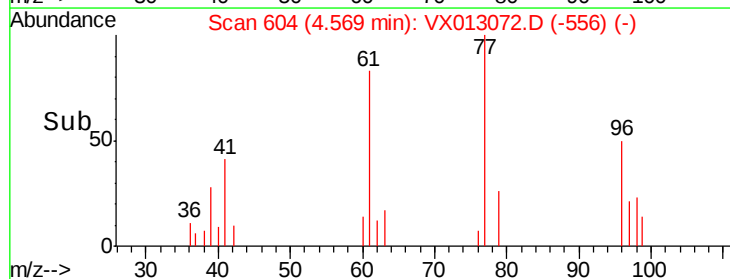
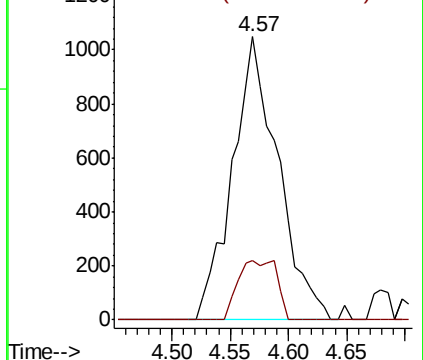
77 100

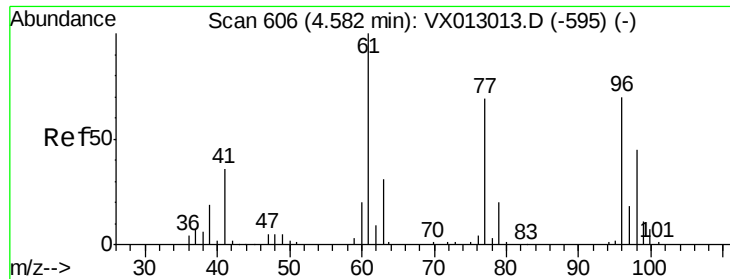
97 18.0 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



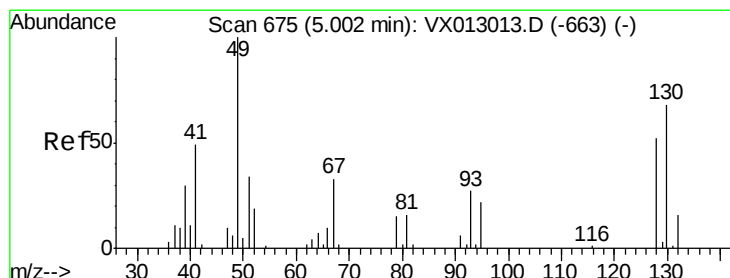
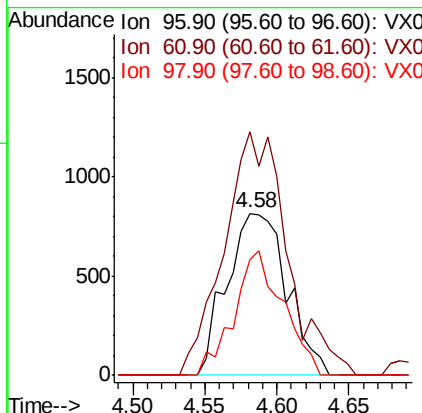
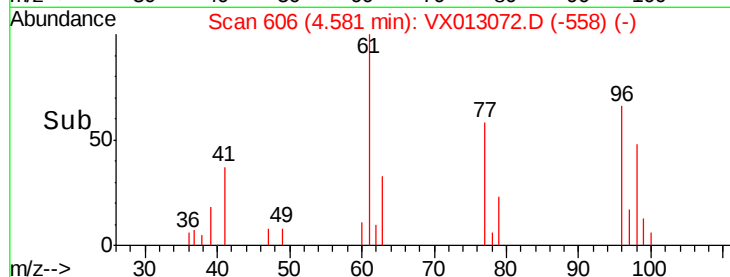
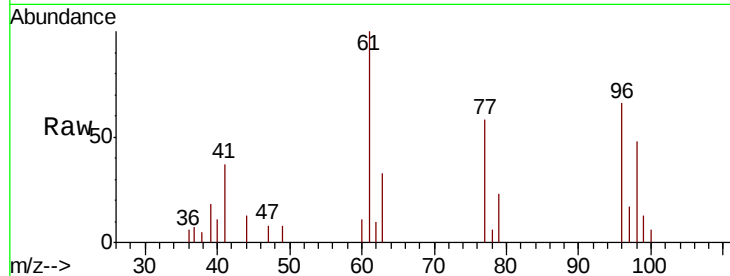


#27

cis-1,2-Dichloroethene
Concen: 1.126 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

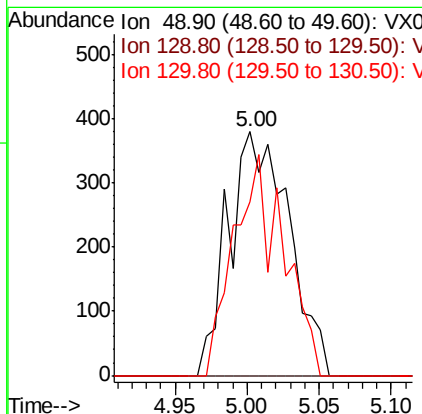
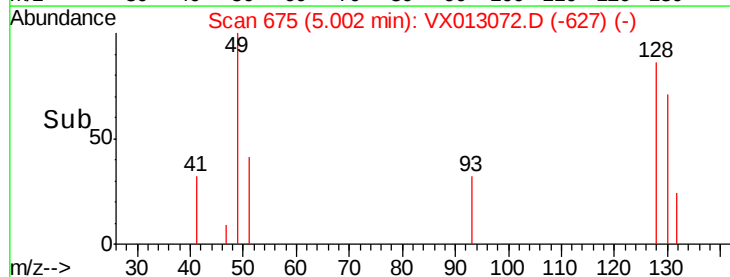
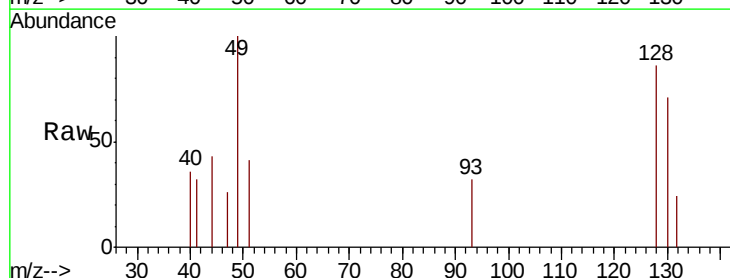
Tot Ion: 96 Resp: 2374
Ion Ratio Lower Upper
96 100
61 158.0 0.0 290.6
98 62.5 0.0 128.8

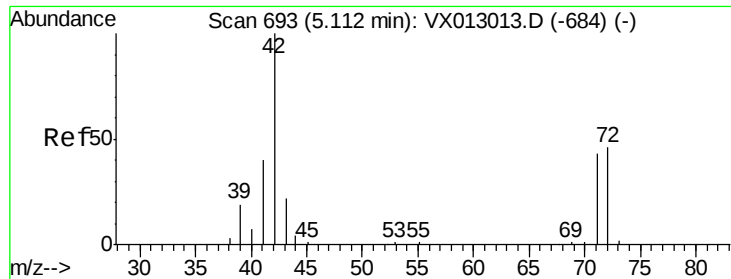


#28

Bromochloromethane
Concen: 0.686 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 49 Resp: 1104
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 75.0 62.1 93.1

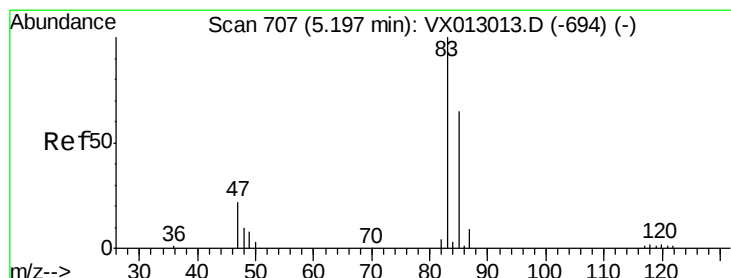
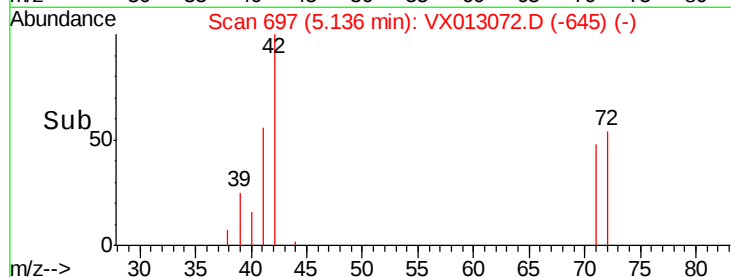
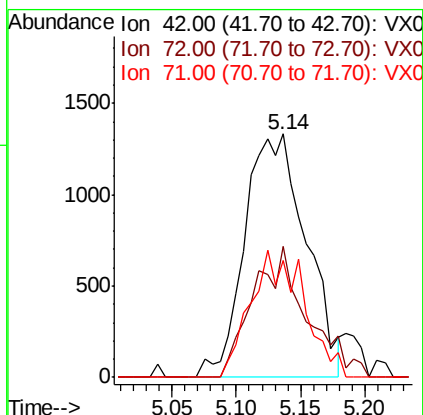
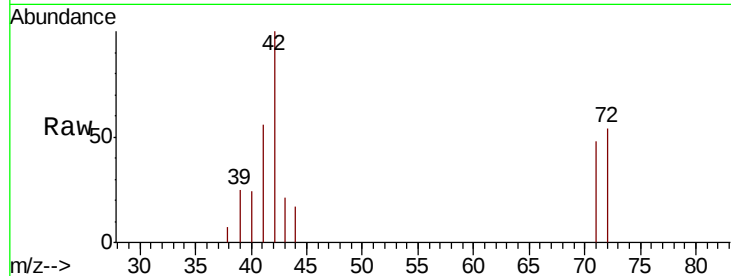




#29
Tetrahydrofuran
Concen: 4.634 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

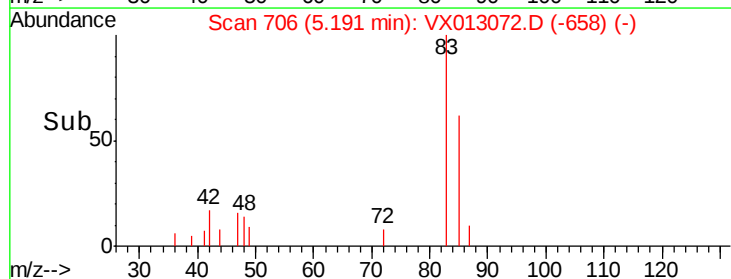
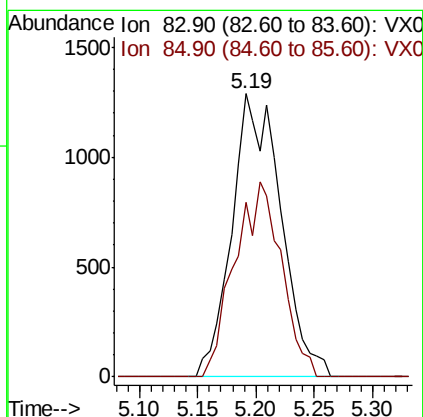
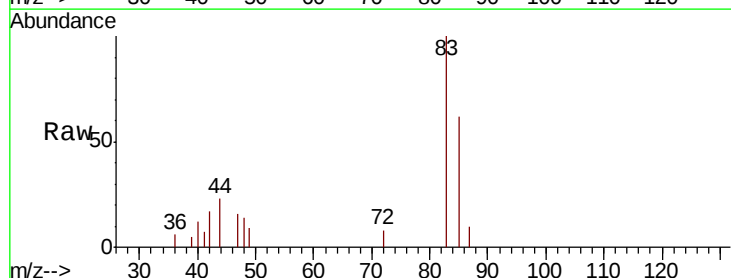
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

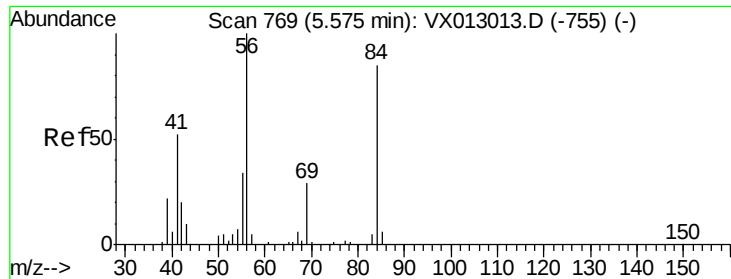
Tot Ion: 42 Resp: 4403
Ion Ratio Lower Upper
42 100
72 47.8 36.9 55.3
71 45.4 33.5 50.3



#30
Chloroform
Concen: 1.117 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 83 Resp: 3755
Ion Ratio Lower Upper
83 100
85 61.9 51.5 77.3

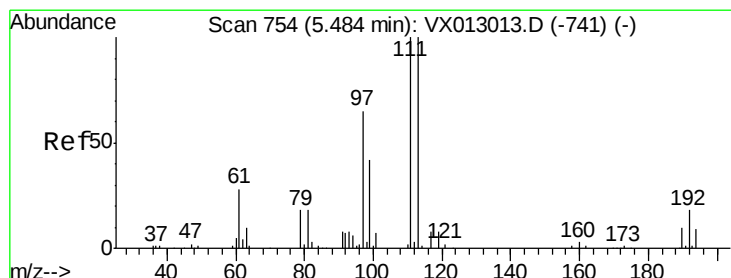
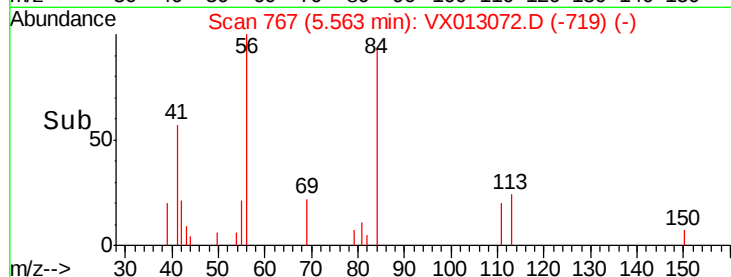
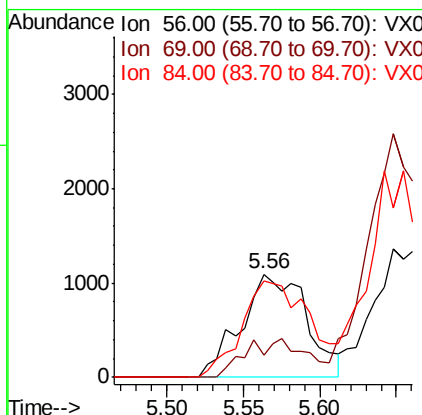
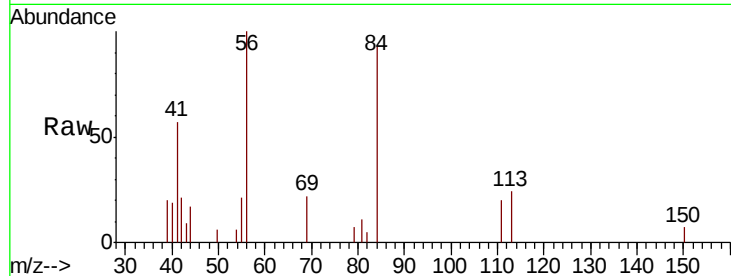




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

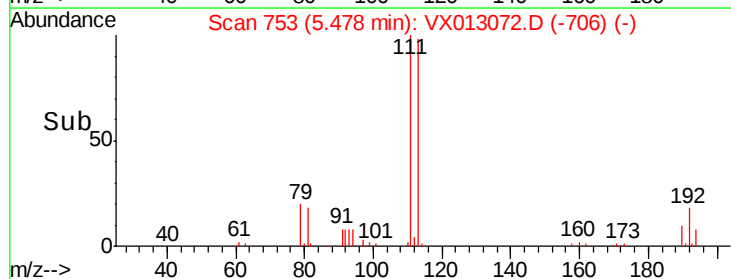
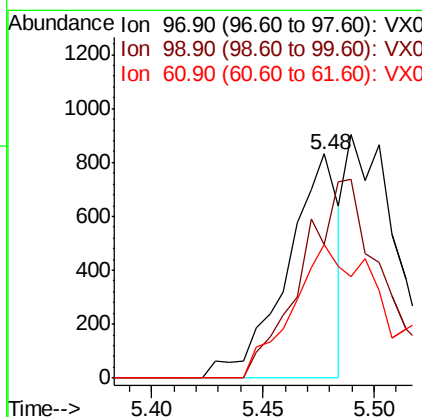
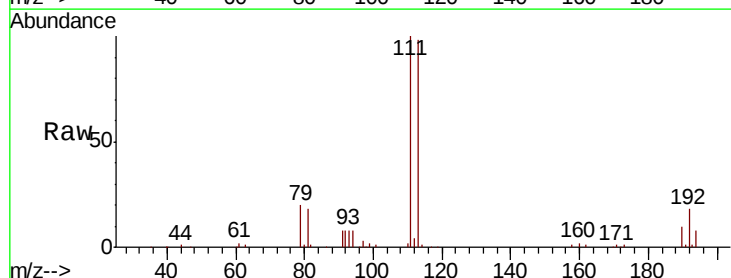
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

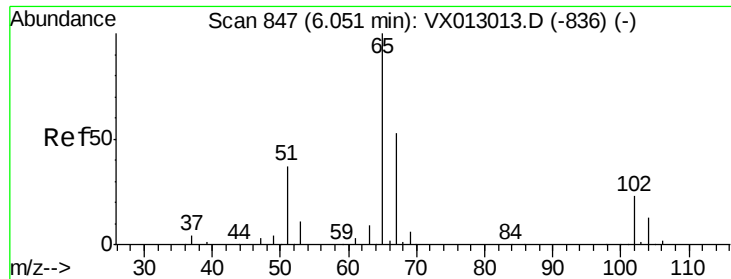
Tot Ion: 56 Resp: 3254
Ion Ratio Lower Upper
56 100
69 21.9 25.2 37.8#
84 93.3 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 0.472 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 97 Resp: 1346
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 102.8 35.0 52.4#

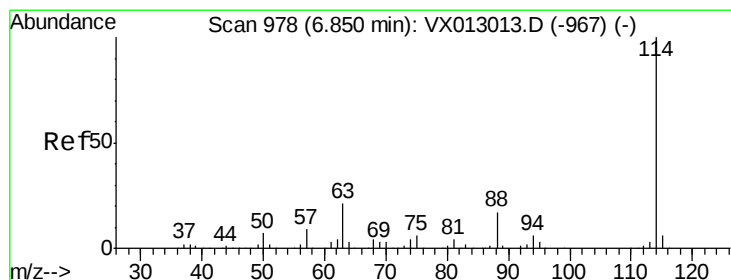
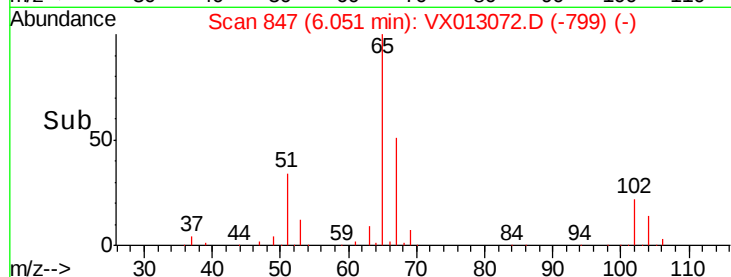
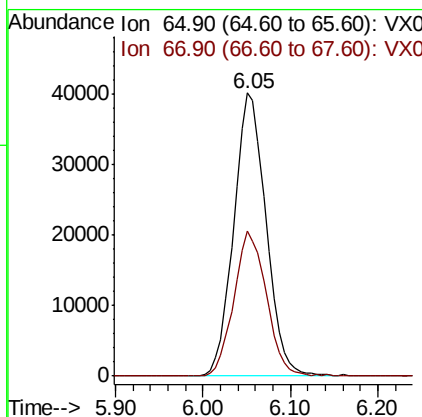
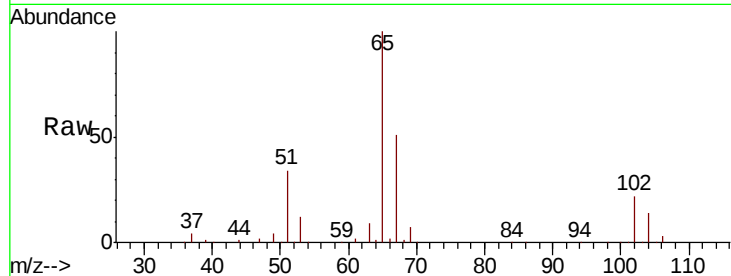




#33
 1,2-Dichloroethane-d4
 Concen: 48.869 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

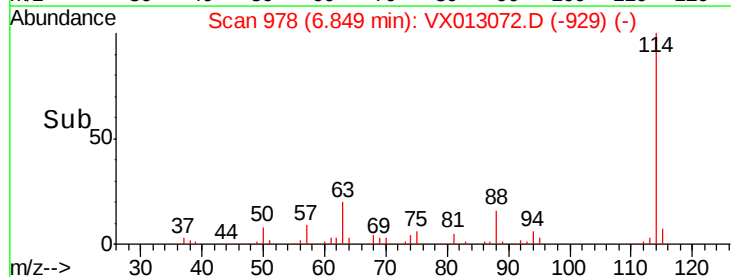
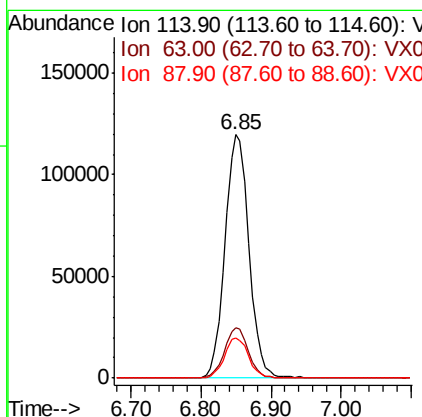
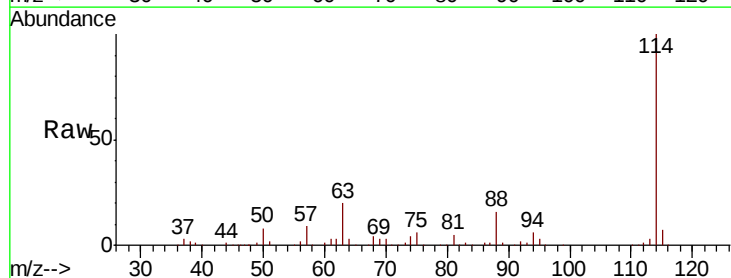
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

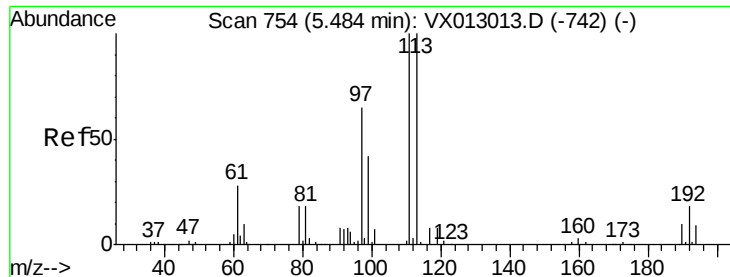
Tot Ion: 65 Resp: 103191
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 114 Resp: 285028
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 16.5 0.0 33.8

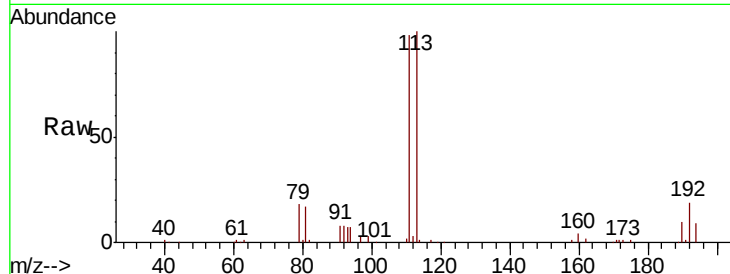




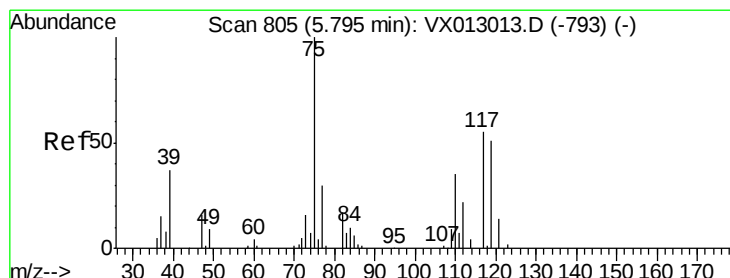
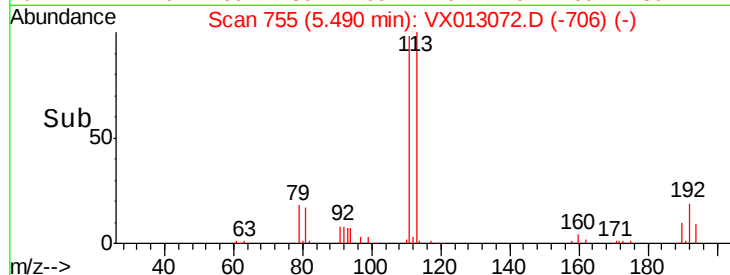
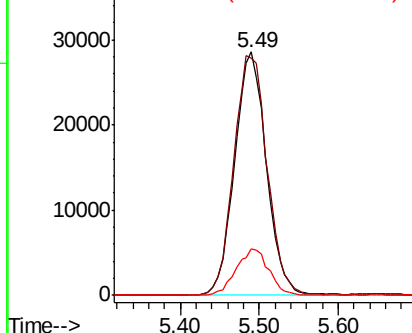
#35
 Dibromofluoromethane
 Concen: 49.018 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:113 Resp: 80189
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.2 124.8
 192 19.6 15.4 23.2

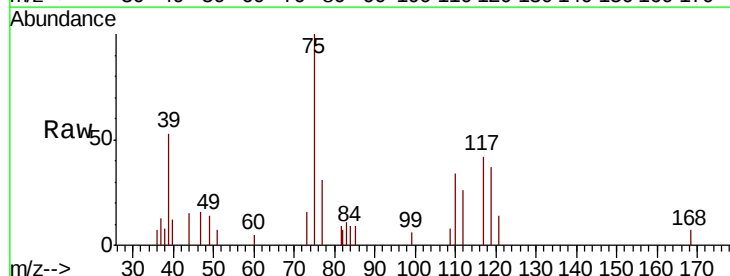


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

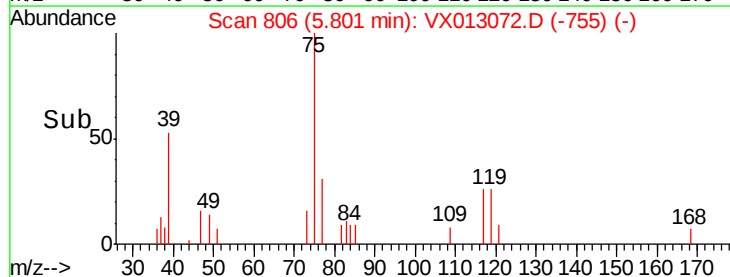
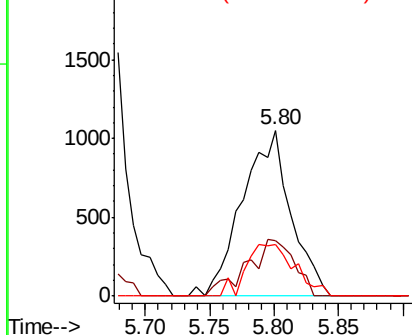


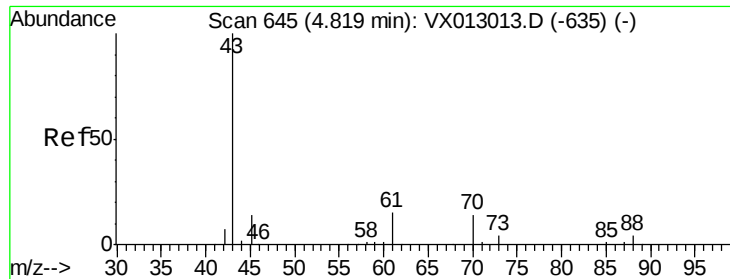
#36
 1,1-Dichloropropene
 Concen: 1.096 ug/l
 RT: 5.80 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 75 Resp: 2747
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.6 52.9
 77 31.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

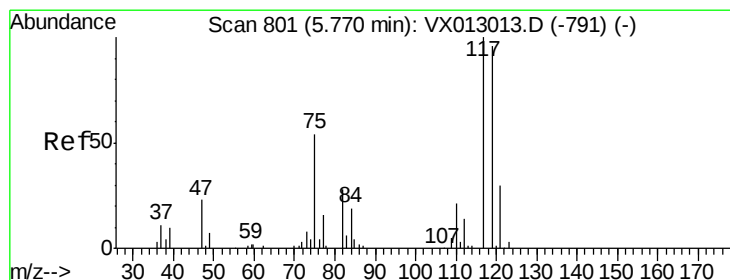
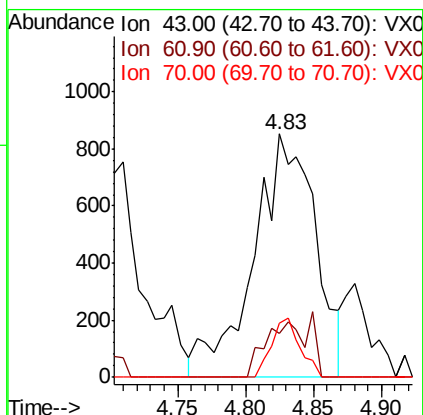
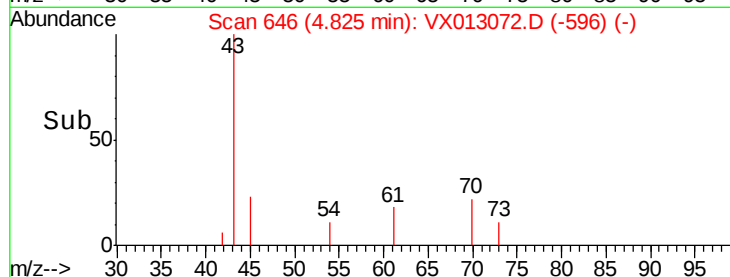
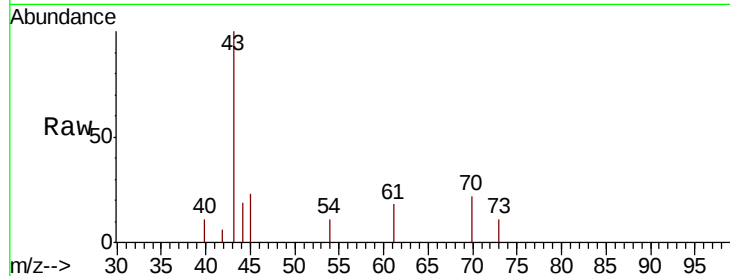




#37
Ethyl Acetate
Concen: 0.958 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

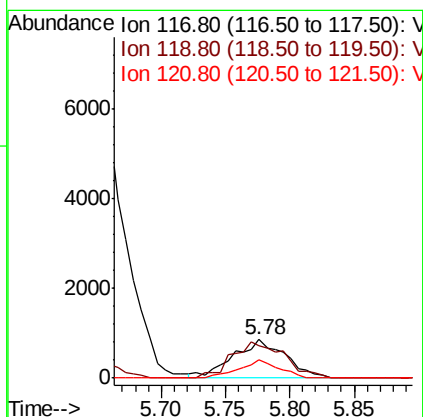
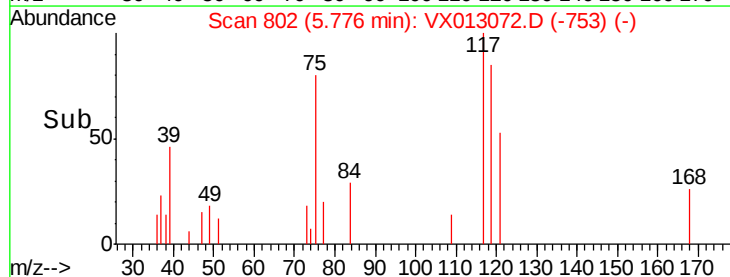
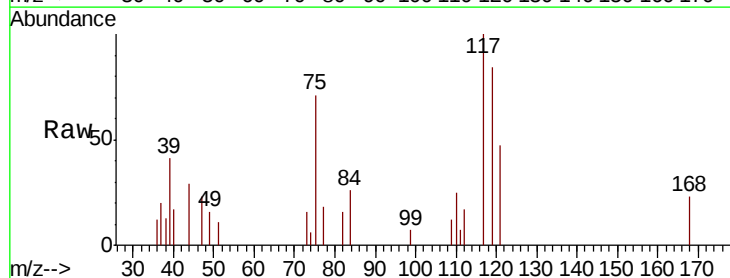
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

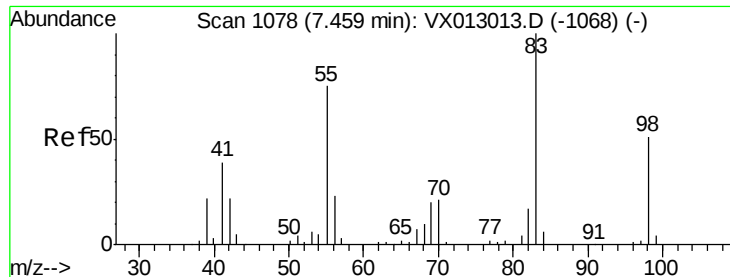
Tot Ion: 43 Resp: 2684
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 11.2 9.8 14.6



#38
Carbon Tetrachloride
Concen: 0.993 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 117 Resp: 2421
Ion Ratio Lower Upper
117 100
119 84.1 74.5 111.7
121 46.9 24.2 36.4#

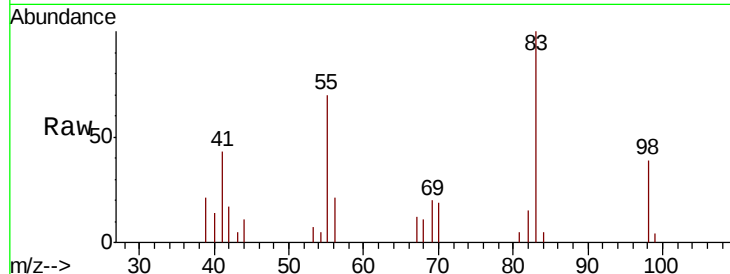




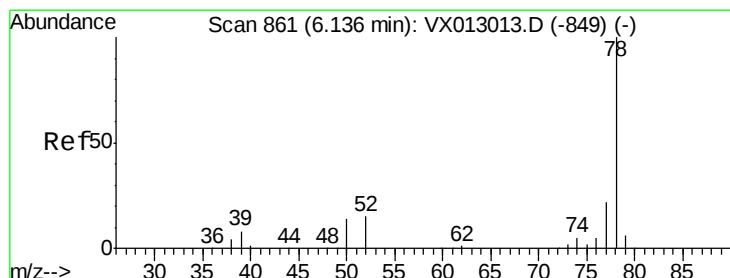
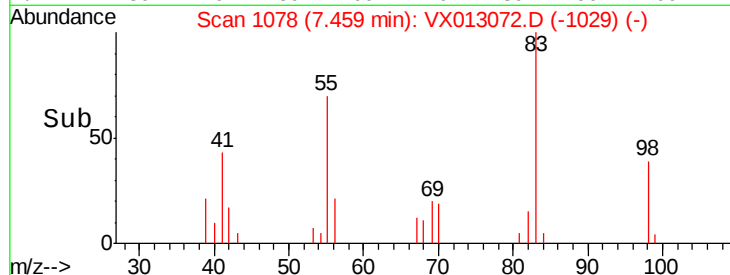
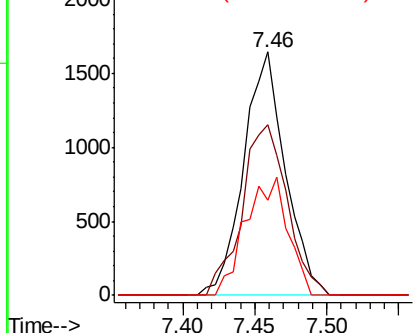
#39
Methvlcvclohexane
Concen: 1.084 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 3295
Ion Ratio Lower Upper
83 100
55 69.8 60.2 90.4
98 39.3 38.5 57.7

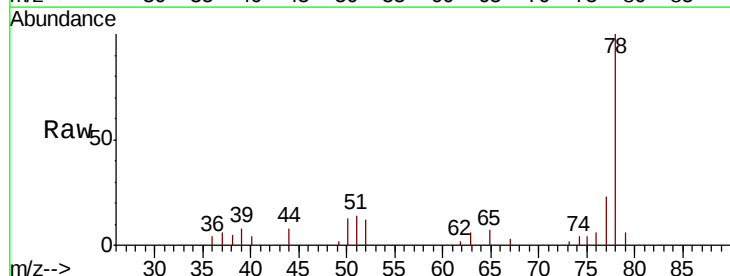


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

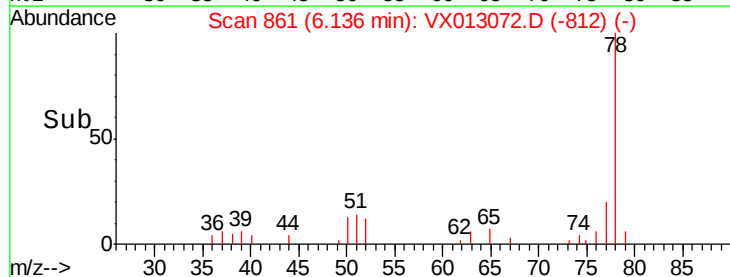
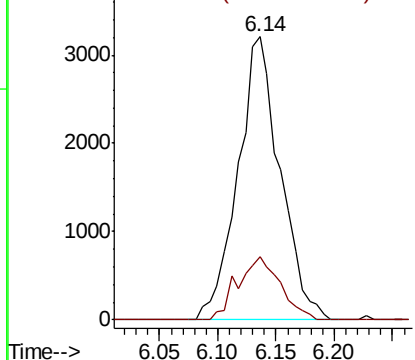


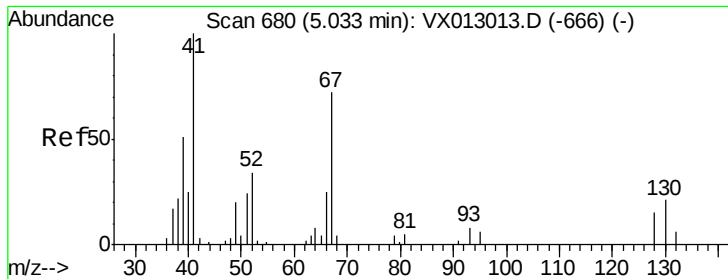
#40
Benzene
Concen: 1.091 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 78 Resp: 8073
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 1.027 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 1581

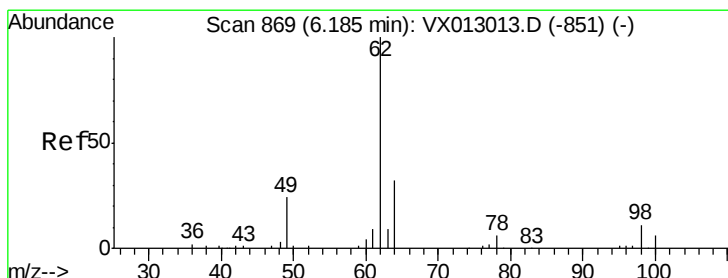
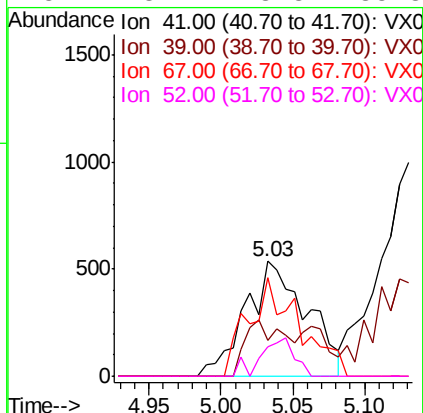
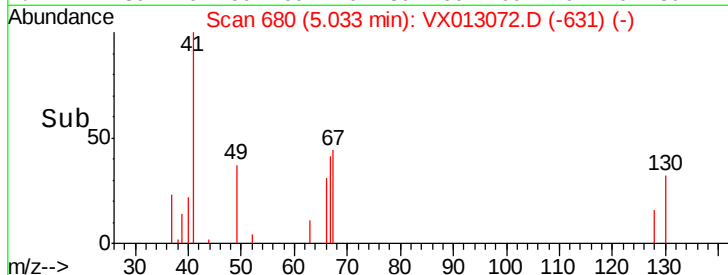
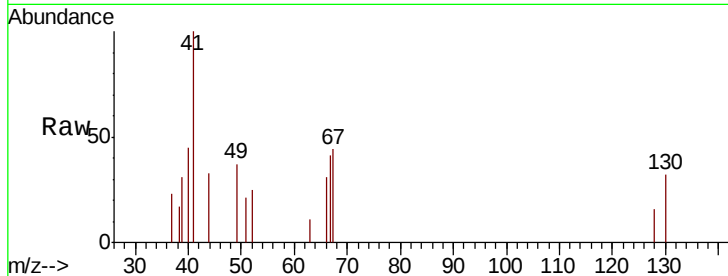
Ion Ratio Lower Upper

41 100

39 31.2 44.0 66.0#

67 71.7 58.5 87.7

52 18.2 23.8 35.8#



#42

1,2-Dichloroethane

Concen: 1.162 ug/l

RT: 6.20 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX013072.D

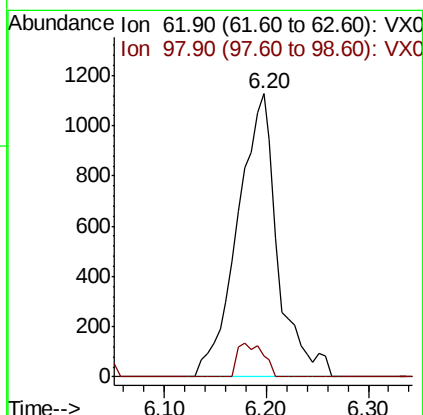
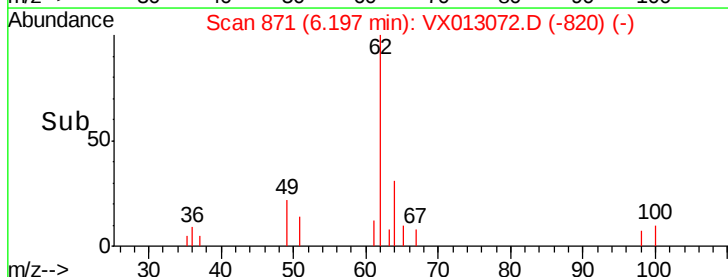
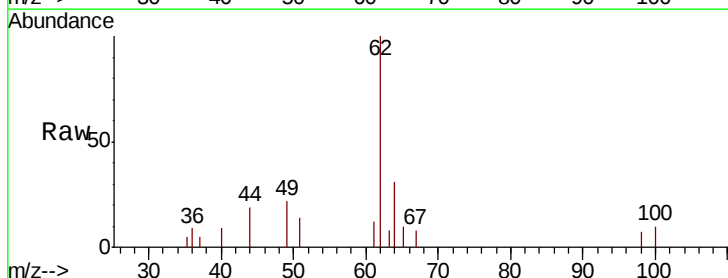
Acq: 15 Oct 2019 12:58

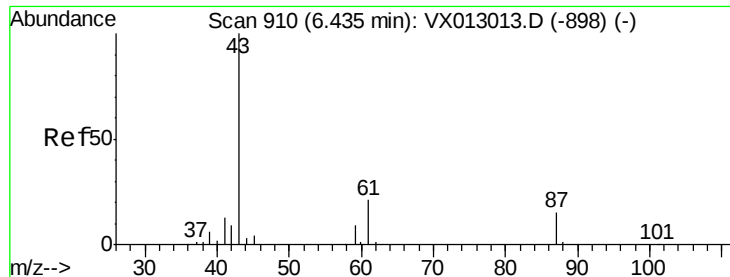
Tgt Ion: 62 Resp: 3085

Ion Ratio Lower Upper

62 100

98 7.6 0.0 20.4





#43

Isopropyl Acetate

Concen: 0.894 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

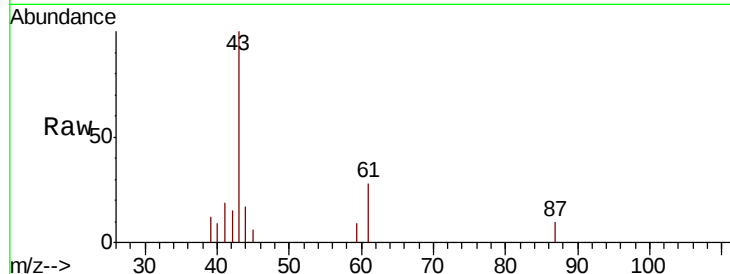
Tot Ion: 43 Resp: 4019

Ion Ratio Lower Upper

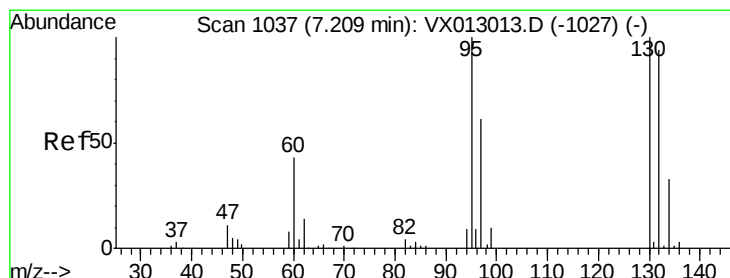
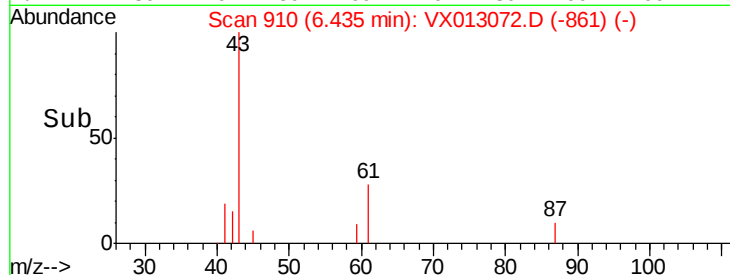
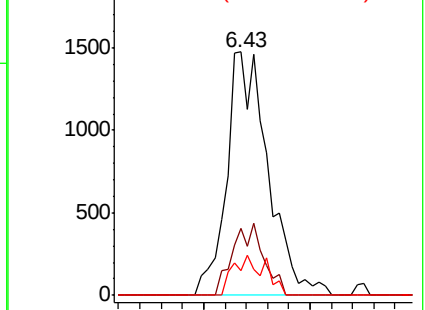
43 100

61 22.2 16.6 24.8

87 12.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 1.065 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013072.D

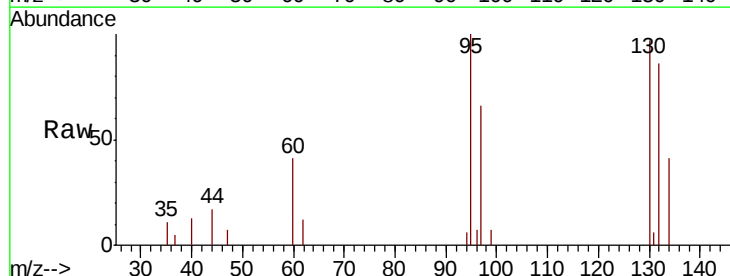
Acq: 15 Oct 2019 12:58

Tgt Ion: 130 Resp: 2185

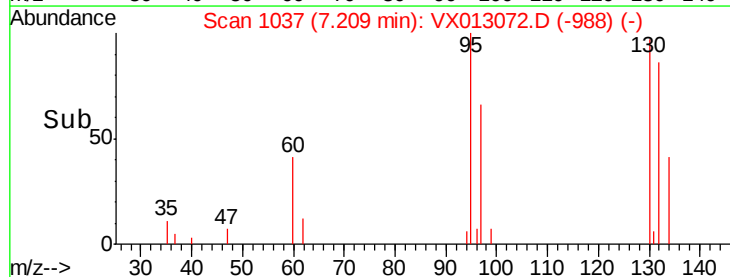
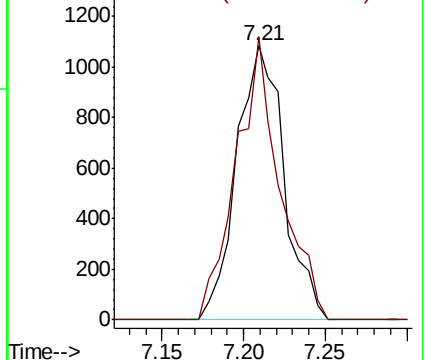
Ion Ratio Lower Upper

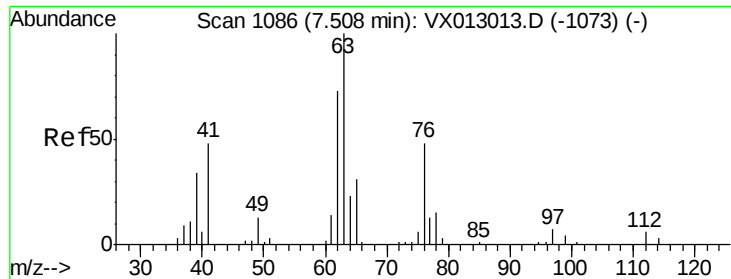
130 100

95 103.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.020 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

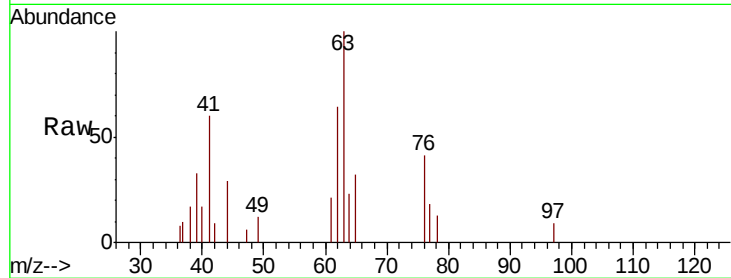
LOQ-WATER-02-QT4-2019

Tot Ion: 63 Resp: 1925

Ion Ratio Lower Upper

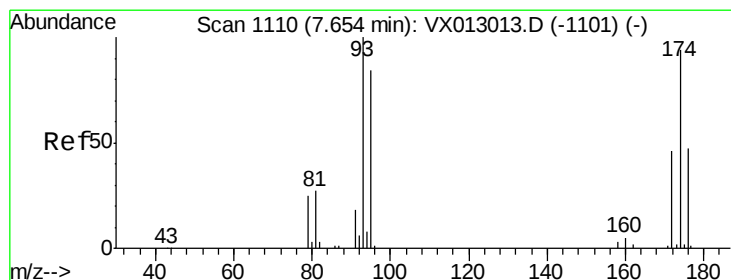
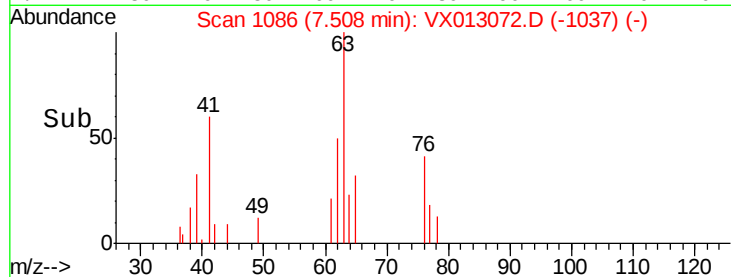
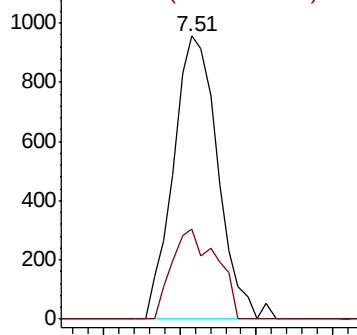
63 100

65 31.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.923 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

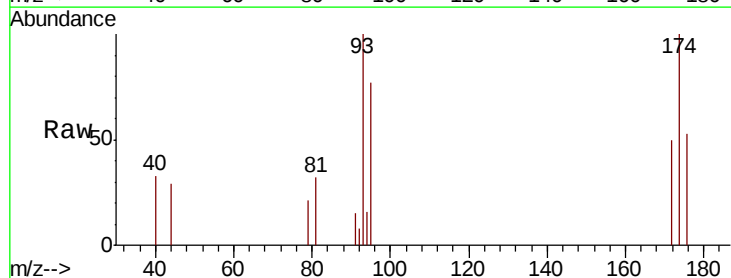
Tgt Ion: 93 Resp: 1160

Ion Ratio Lower Upper

93 100

95 96.3 66.3 99.5

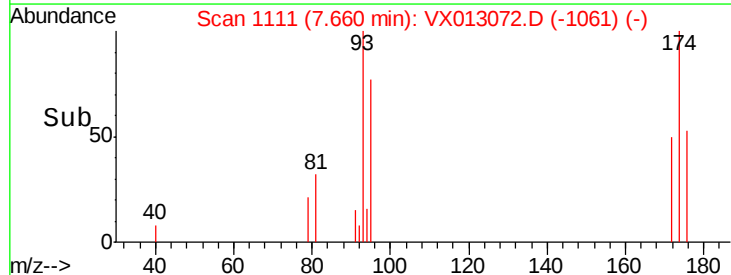
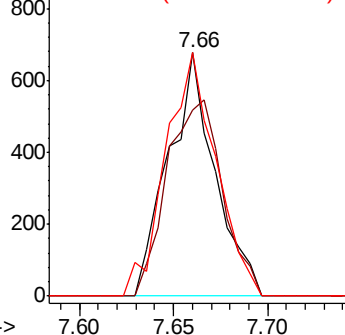
174 108.4 77.8 116.6

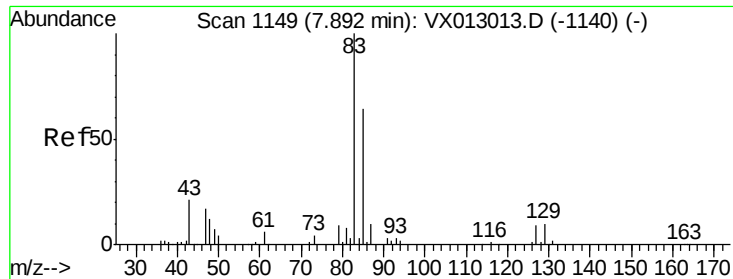


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.922 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

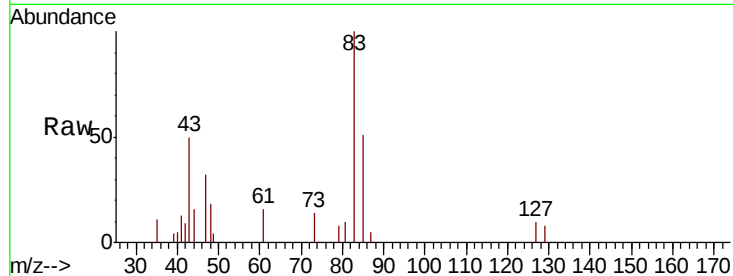
Tot Ion: 83 Resp: 2261

Ion Ratio Lower Upper

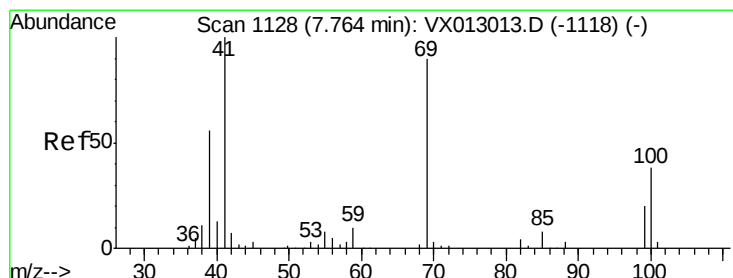
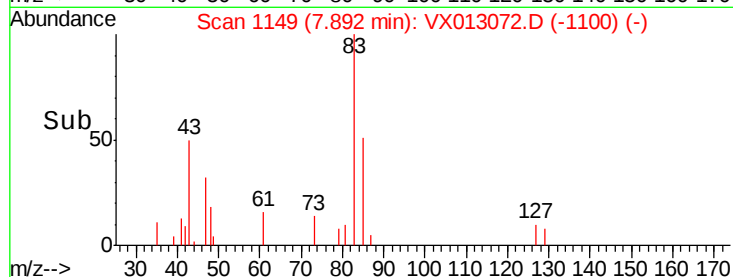
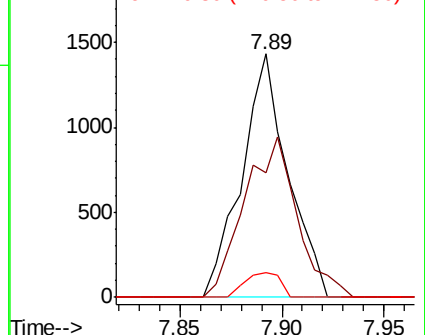
83 100

85 51.4 52.4 78.6#

127 9.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.929 ug/l

RT: 7.78 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

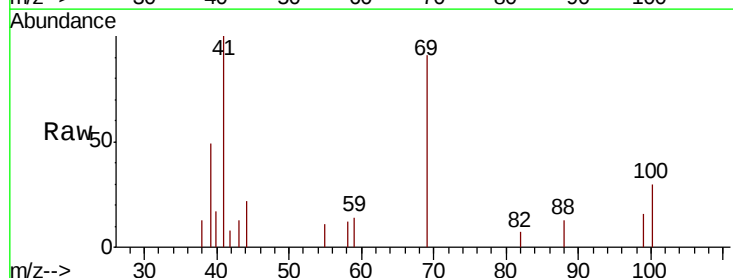
Tgt Ion: 41 Resp: 2037

Ion Ratio Lower Upper

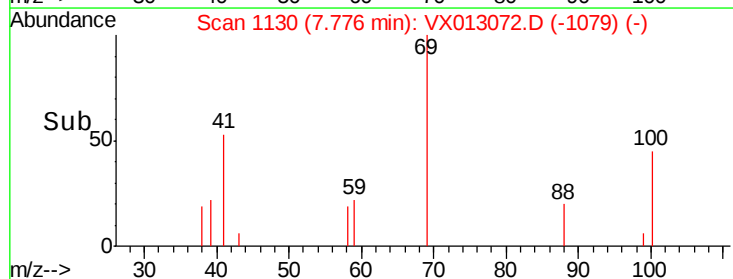
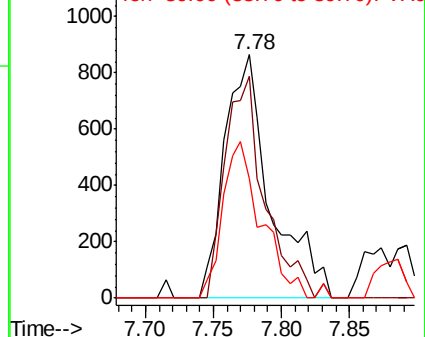
41 100

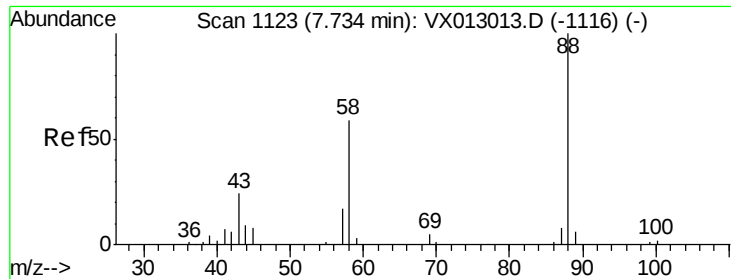
69 79.2 68.7 103.1

39 54.2 44.3 66.5



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

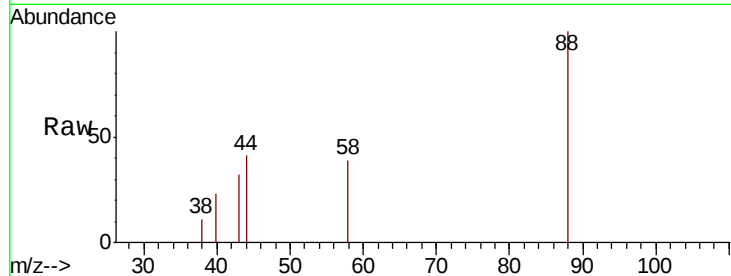




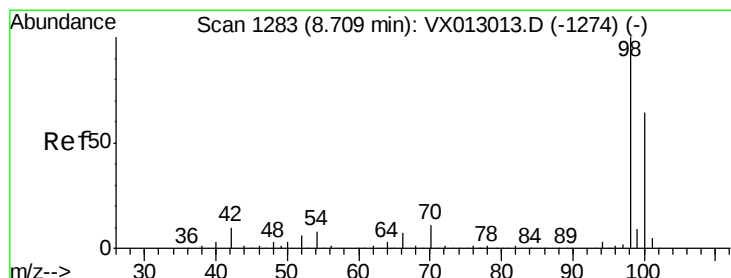
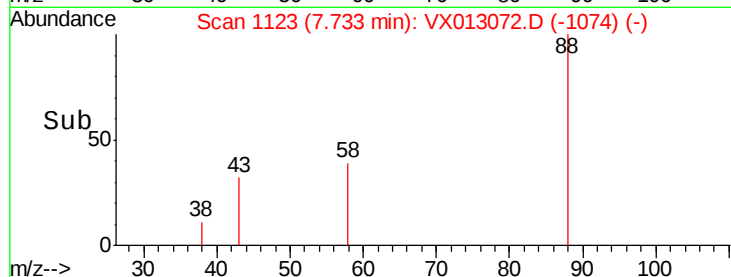
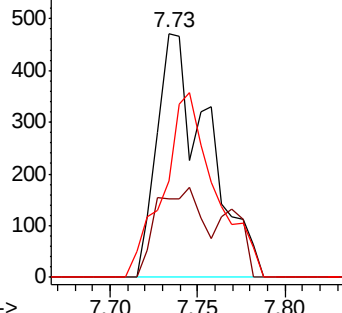
#49
1,4-Dioxane
Concen: 50.981 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 88 Resp: 969
Ion Ratio Lower Upper
88 100
43 33.0 25.0 37.6
58 76.4 55.4 83.2

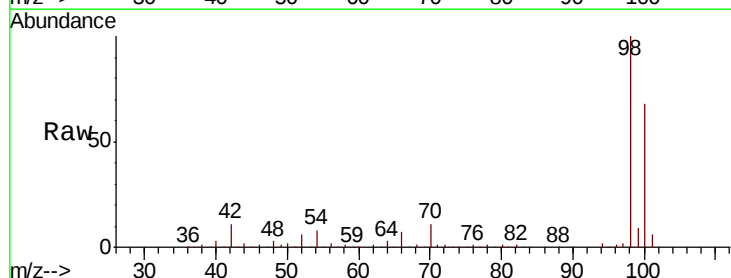


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

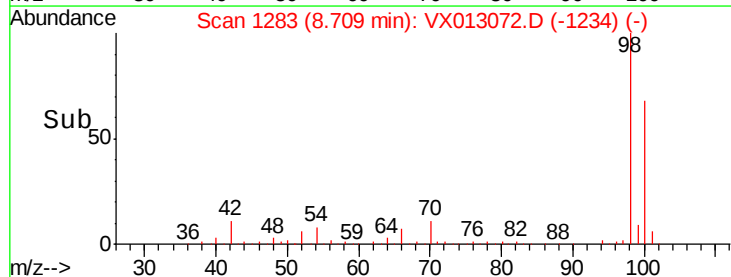
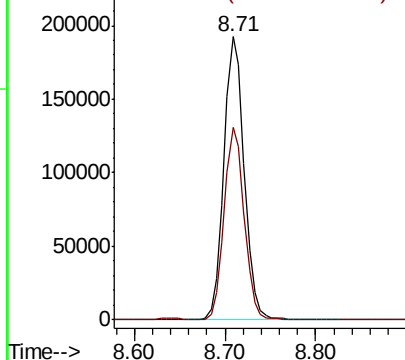


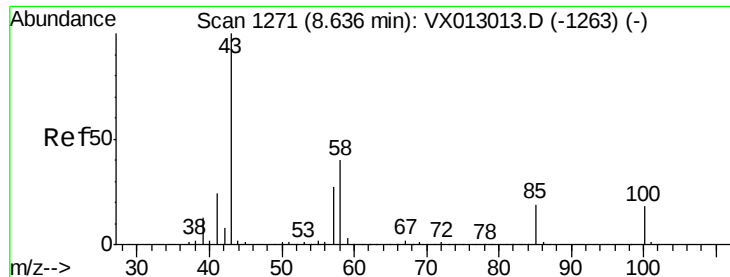
#50
Toluene-d8
Concen: 47.090 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 98 Resp: 300457
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 4.549 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

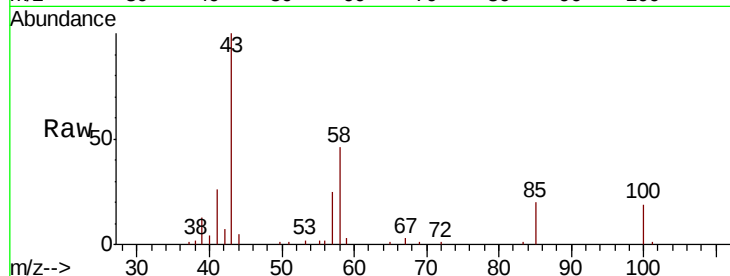
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 12755

Ion Ratio Lower Upper

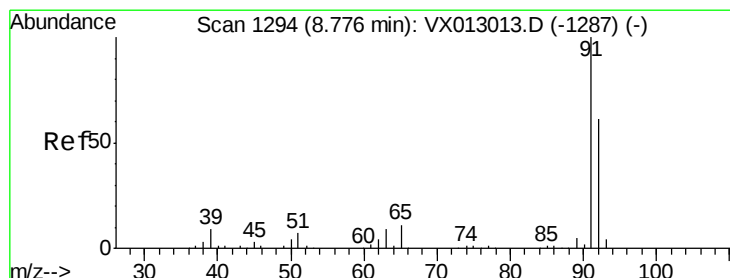
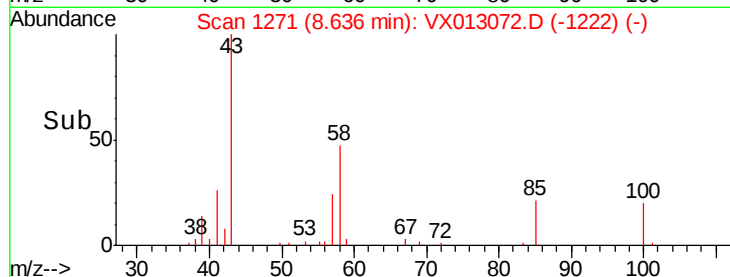
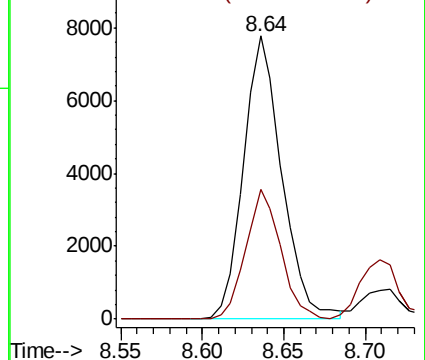
43 100

58 41.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.064 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013072.D

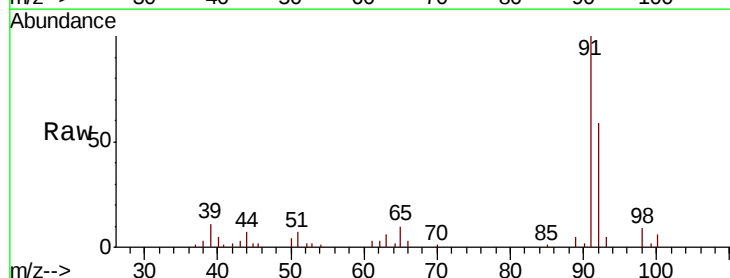
Acq: 15 Oct 2019 12:58

Tgt Ion: 92 Resp: 5039

Ion Ratio Lower Upper

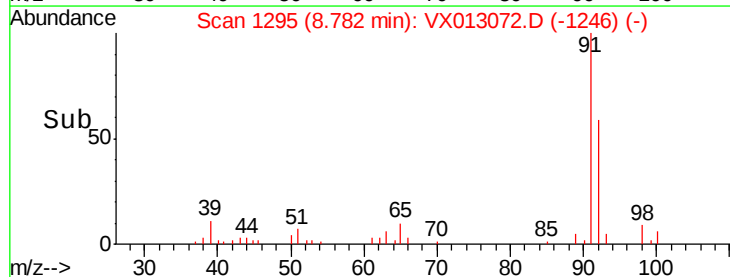
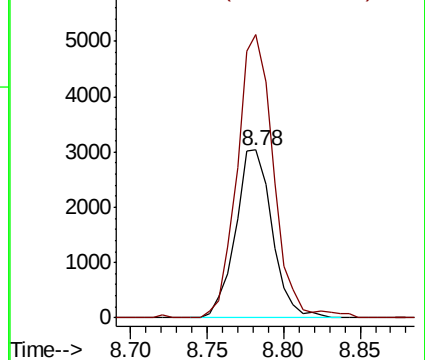
92 100

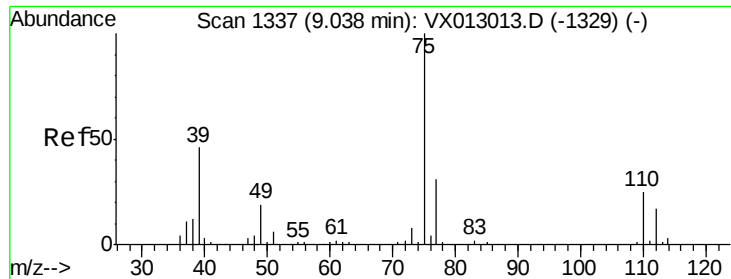
91 168.2 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

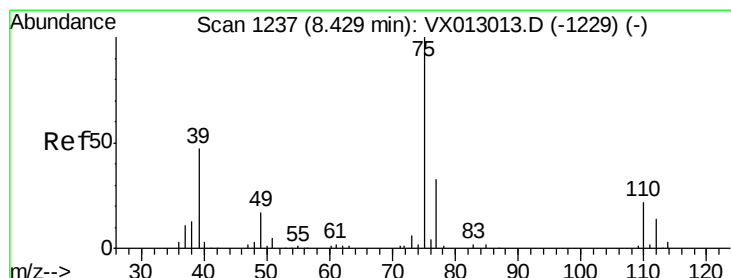
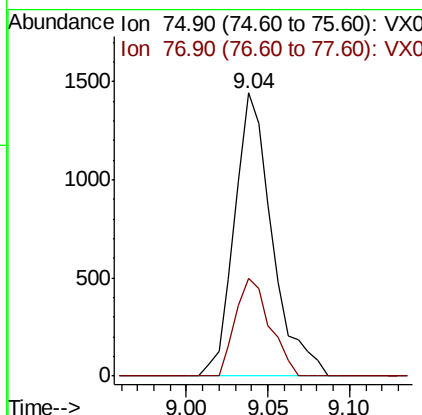
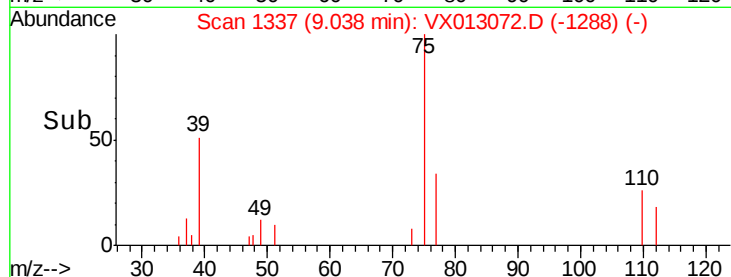
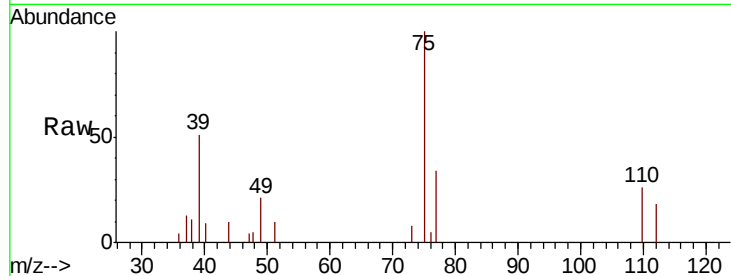




#53
 t-1,3-Dichloropropene
 Concen: 2.895 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

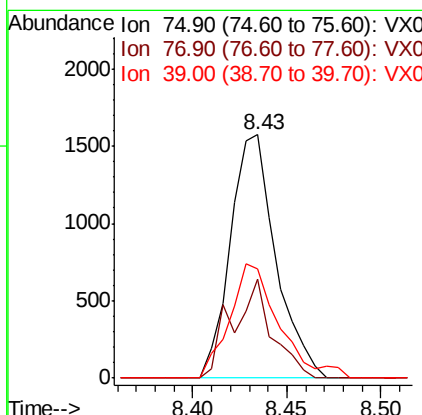
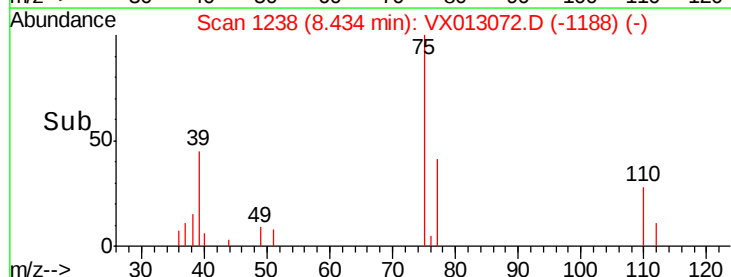
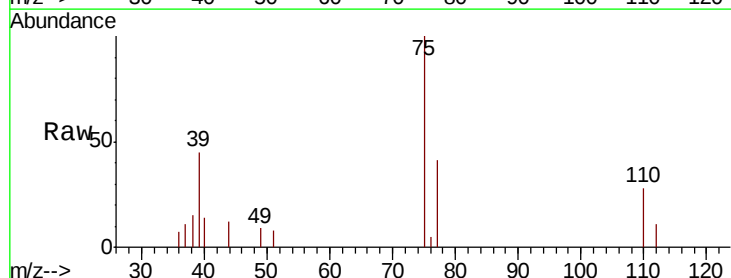
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

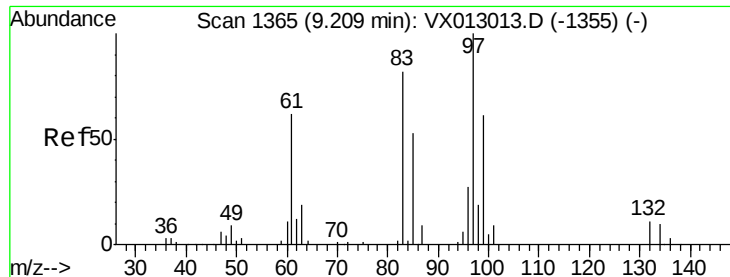
Tot Ion: 75 Resp: 2322
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 0.870 ug/l
 RT: 8.43 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 75 Resp: 2625
 Ion Ratio Lower Upper
 75 100
 77 40.8 25.8 38.8#
 39 44.9 38.2 57.2

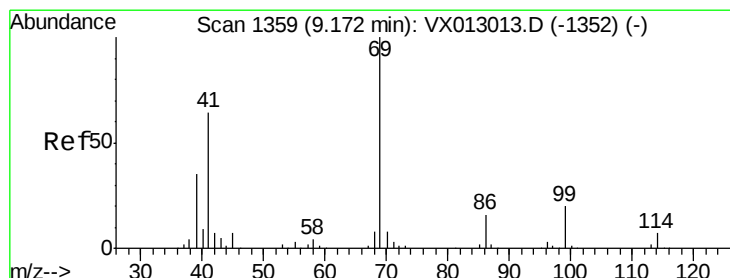
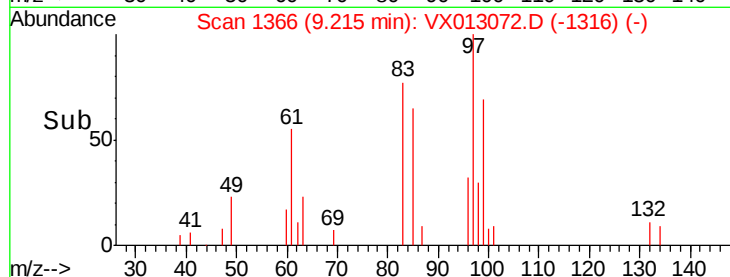
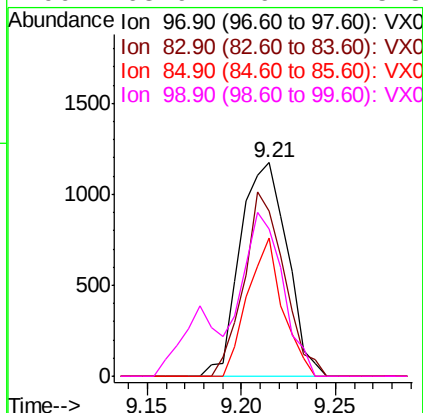
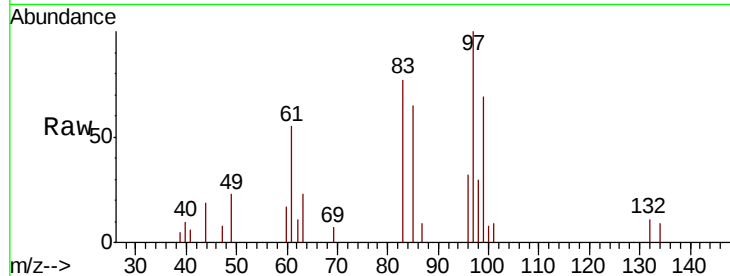




#55
 1,1,2-Trichloroethane
 Concen: 1.085 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

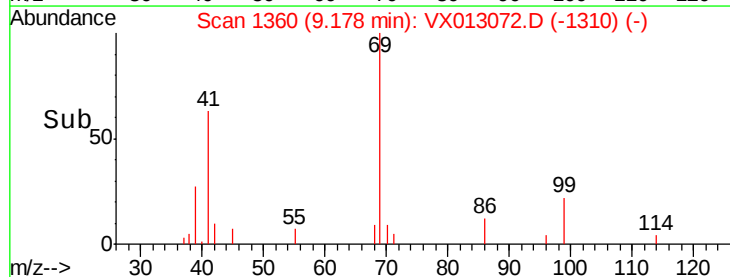
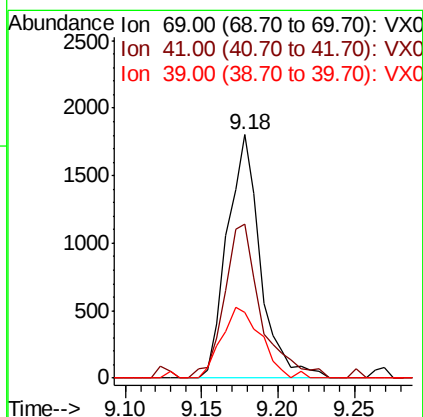
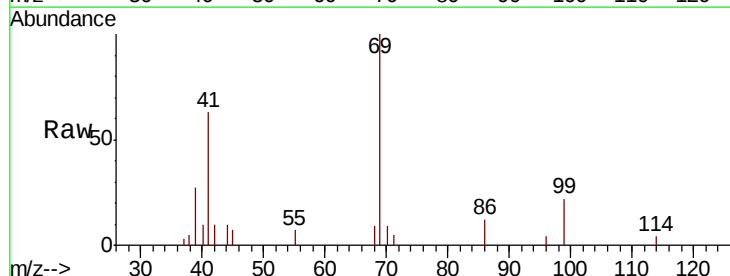
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

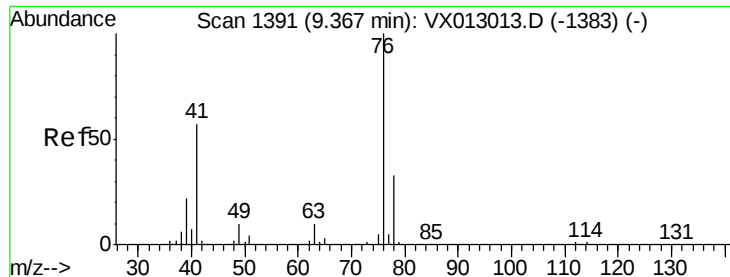
Tot Ion:	97	Resp:	2033
Ion	Ratio	Lower	Upper
97	100		
83	77.3	66.5	99.7
85	64.7	43.1	64.7
99	68.9	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 2.613 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion:	69	Resp:	2722
Ion	Ratio	Lower	Upper
69	100		
41	69.2	52.1	78.1
39	34.7	27.8	41.8





#57

1,3-Dichloropropane

Concen: 1.049 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

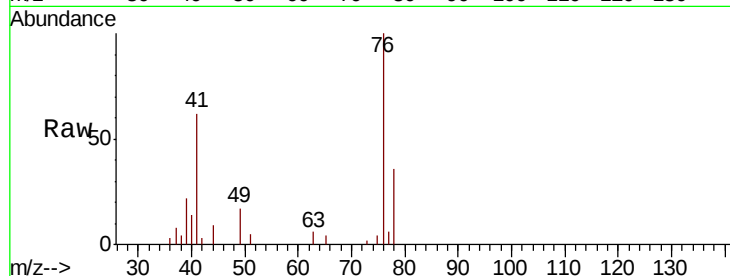
LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 3401

Ion Ratio Lower Upper

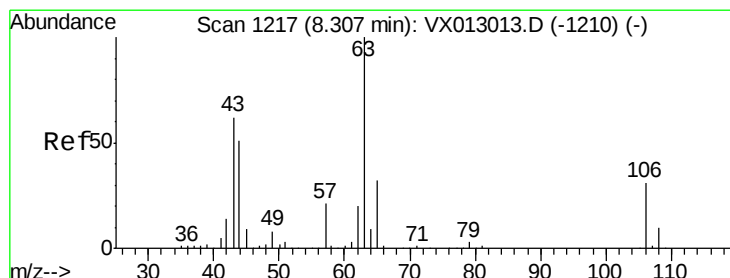
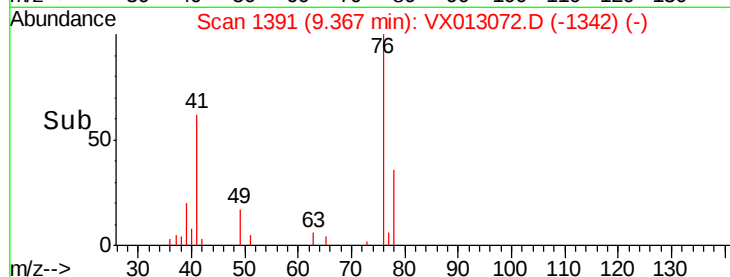
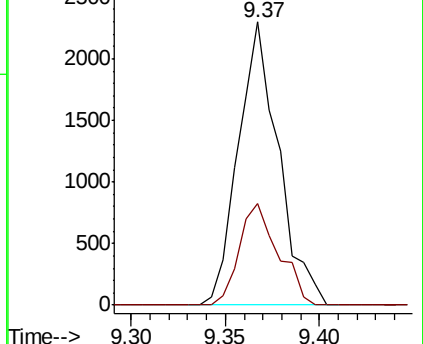
76 100

78 34.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 3.899 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013072.D

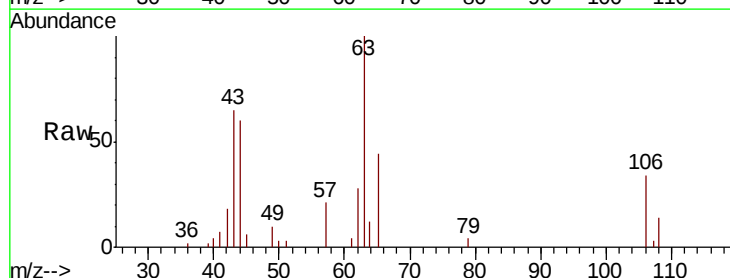
Acq: 15 Oct 2019 12:58

Tgt Ion: 63 Resp: 5368

Ion Ratio Lower Upper

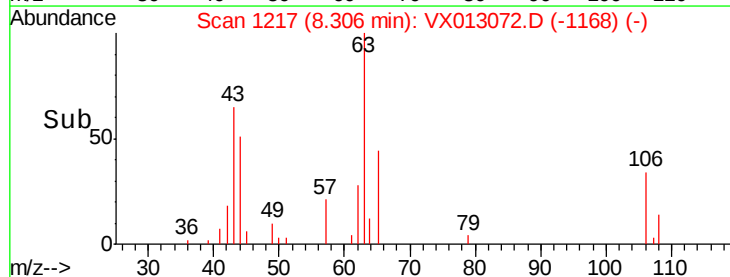
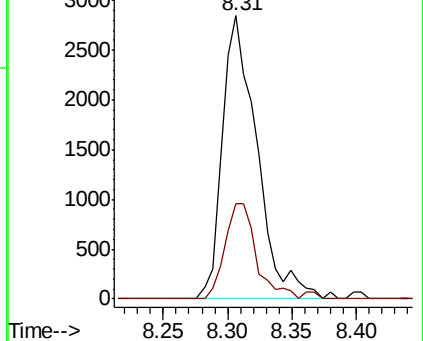
63 100

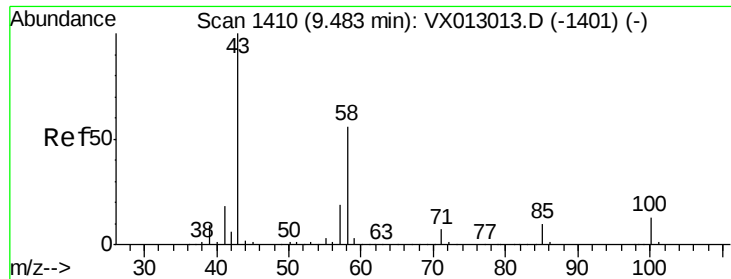
106 30.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

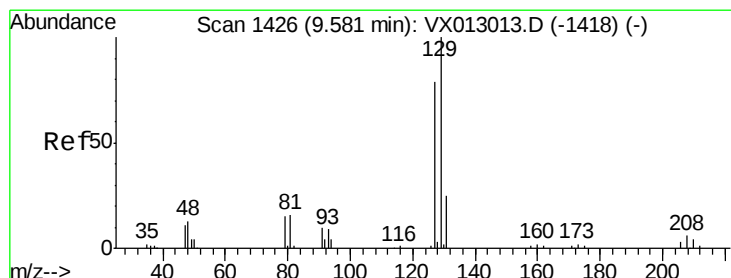
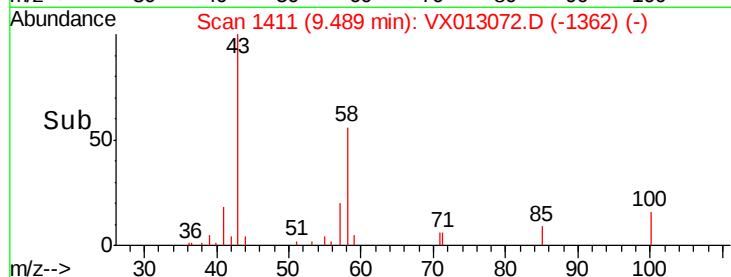
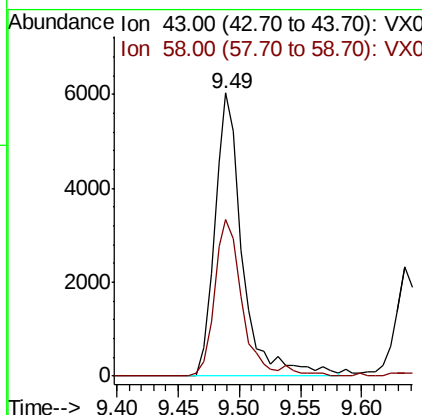
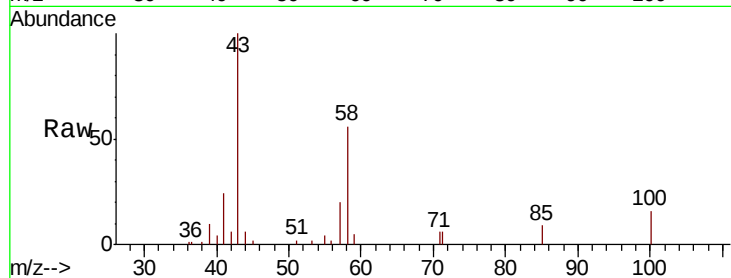




#59
2-Hexanone
Concen: 4.342 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

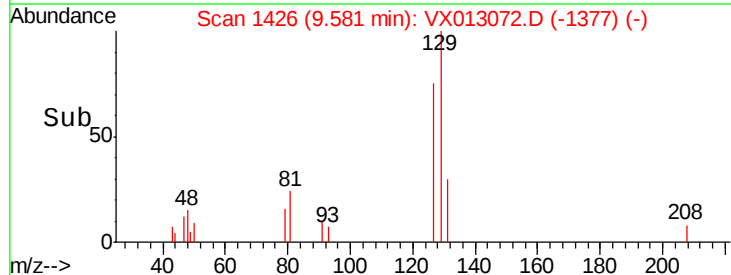
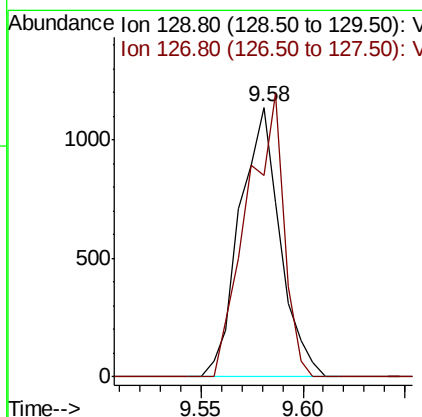
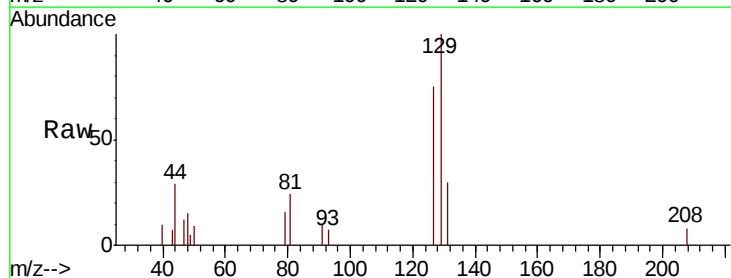
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

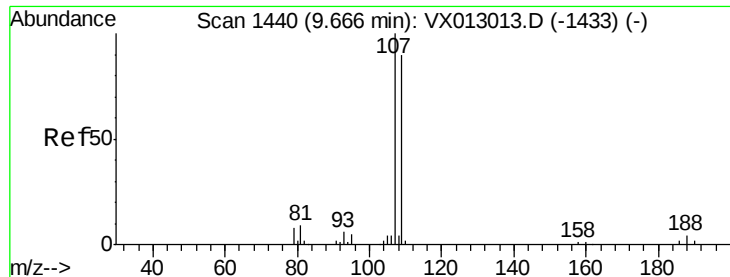
Tot Ion: 43 Resp: 9477
Ion Ratio Lower Upper
43 100
58 54.0 28.1 84.3



#60
Dibromochloromethane
Concen: 2.578 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 129 Resp: 1561
Ion Ratio Lower Upper
129 100
127 96.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 0.903 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

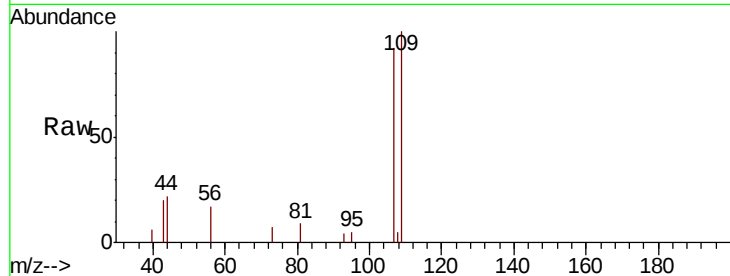
LOQ-WATER-02-QT4-2019

Tot Ion:107 Resp: 1780

Ion Ratio Lower Upper

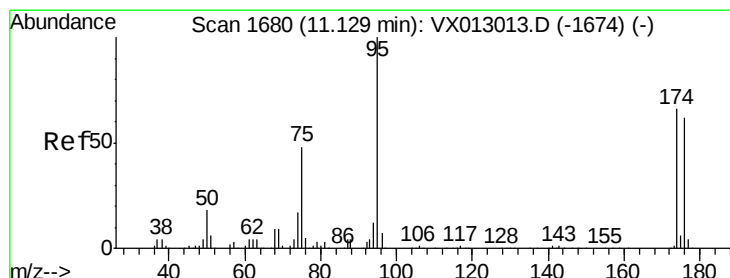
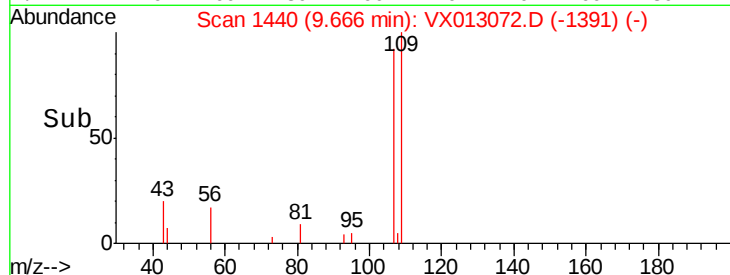
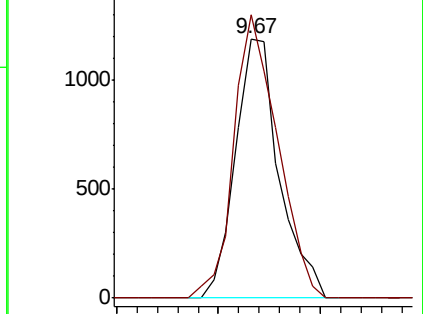
107 100

109 108.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.523 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

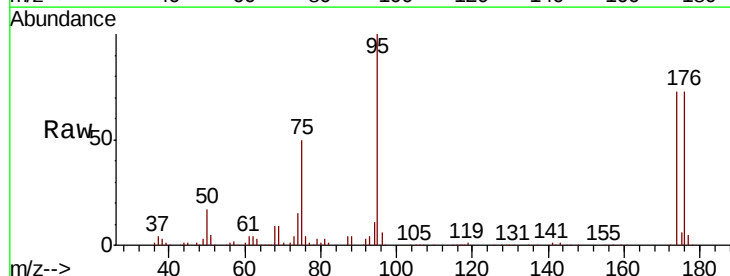
Tgt Ion: 95 Resp: 110381

Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.4

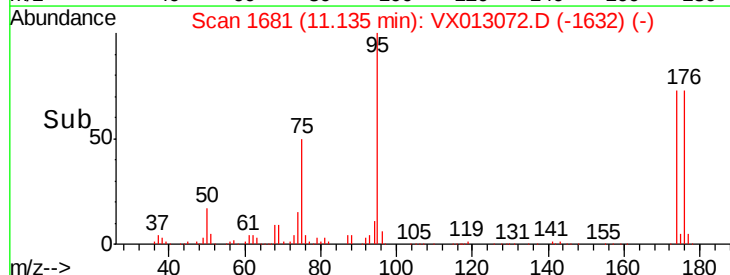
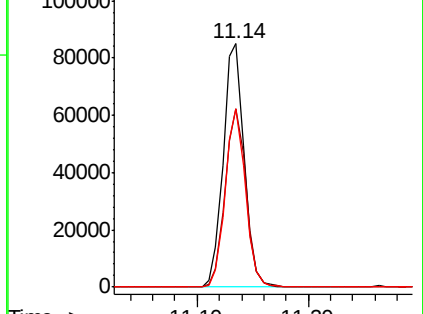
176 70.8 0.0 136.0

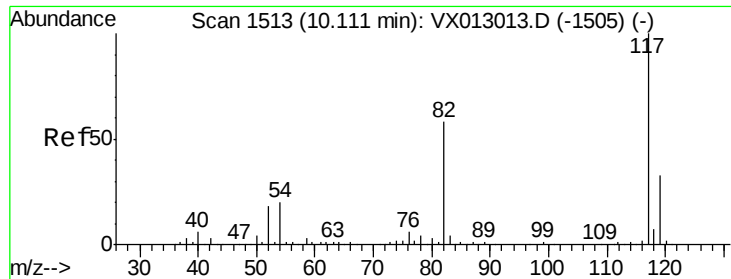


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

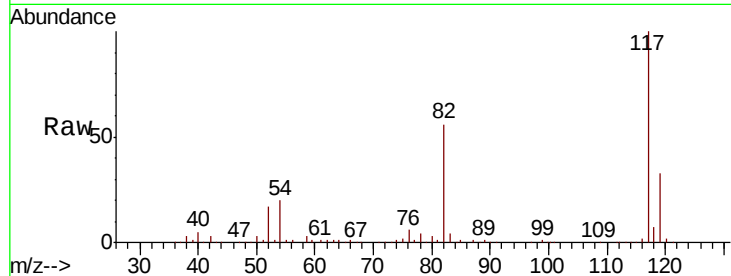




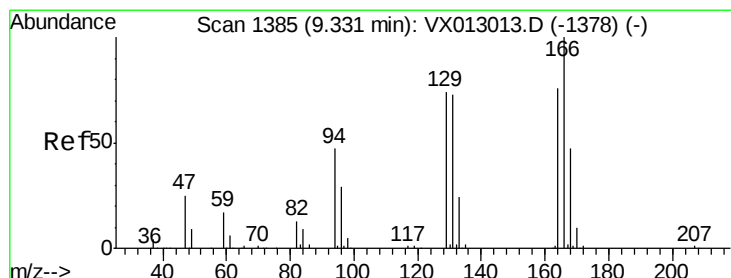
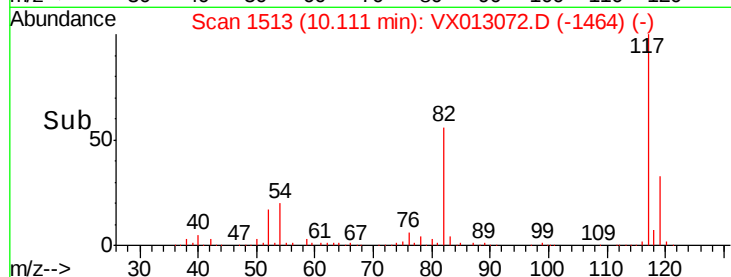
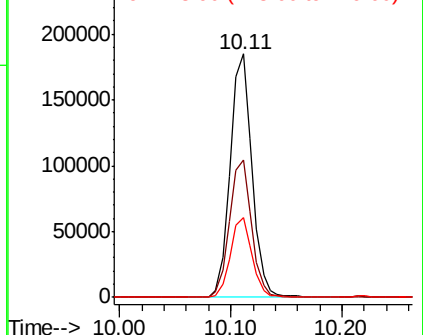
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:117 Resp: 249535
Ion Ratio Lower Upper
117 100
82 56.2 44.1 66.1
119 32.7 25.8 38.8



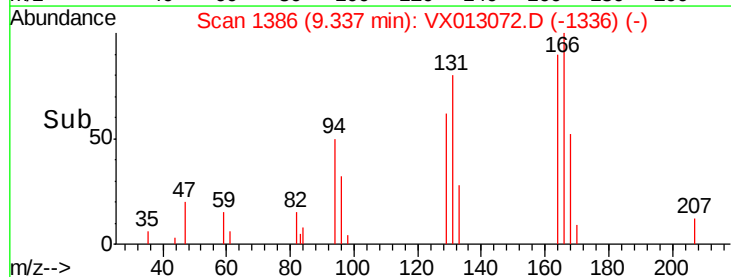
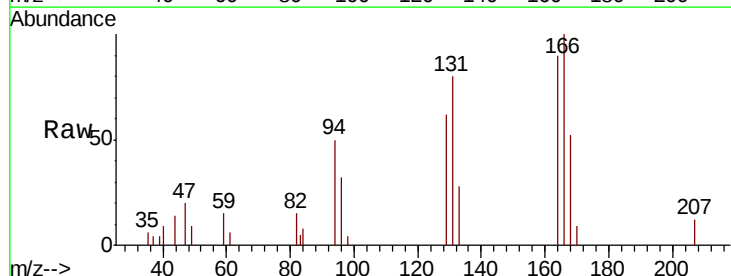
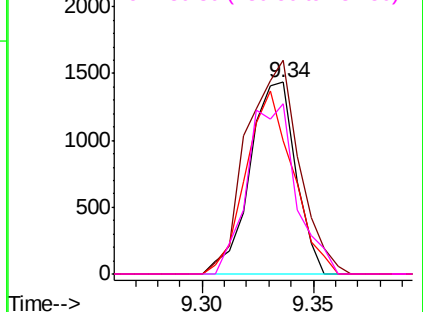
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

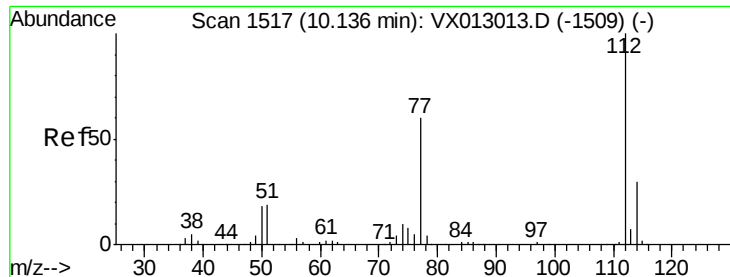


#64
Tetrachloroethene
Concen: 1.190 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion:164 Resp: 2060
Ion Ratio Lower Upper
164 100
166 111.4 96.9 145.3
129 69.4 77.9 116.9#
131 88.9 72.7 109.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

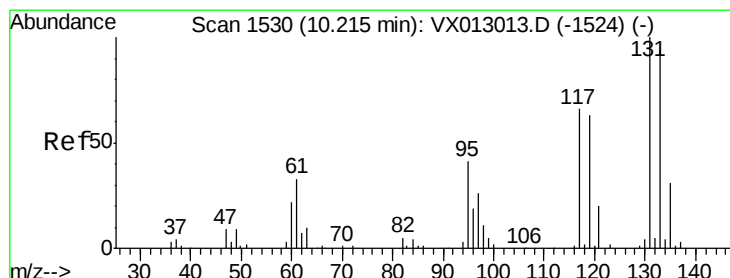
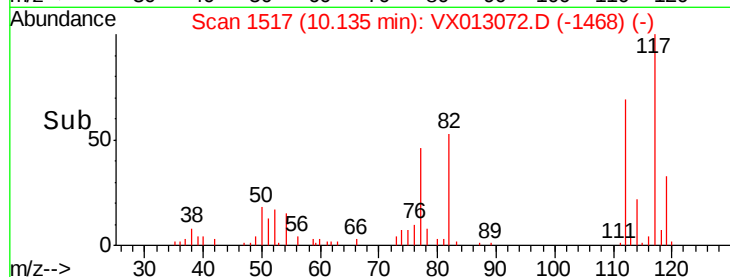
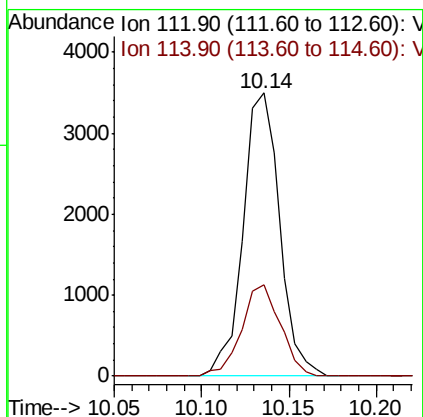
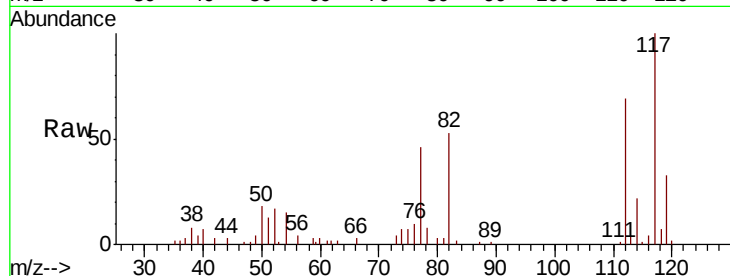




#65
Chlorobenzene
Concen: 1.031 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

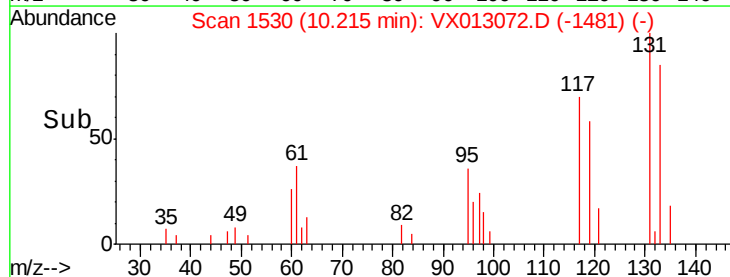
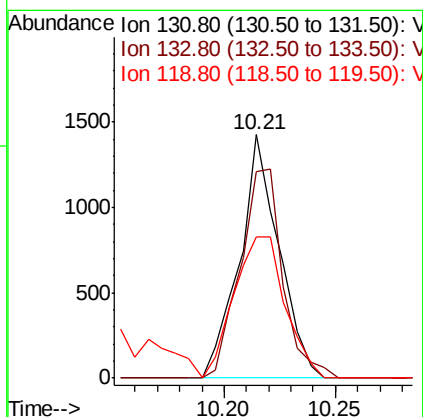
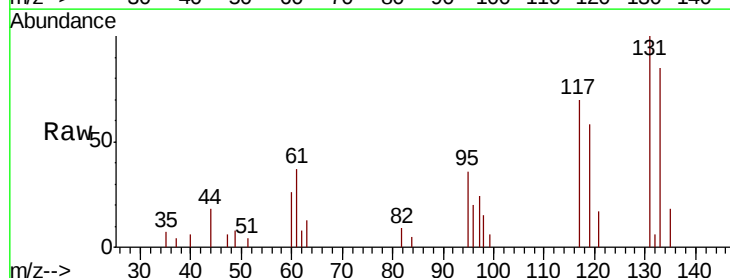
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

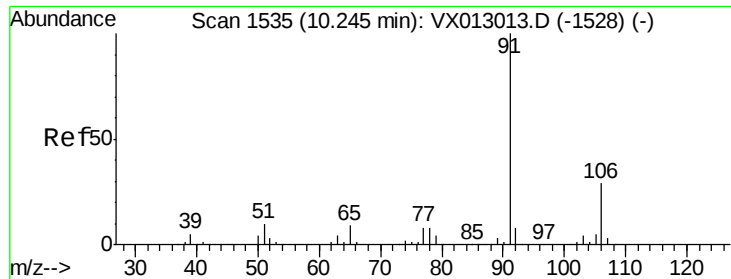
Tot Ion:112 Resp: 5109
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion:131 Resp: 1761
Ion Ratio Lower Upper
131 100
133 93.2 47.2 141.6
119 0.0 32.6 98.0#

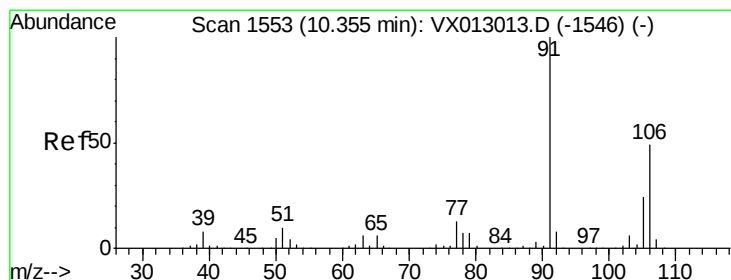
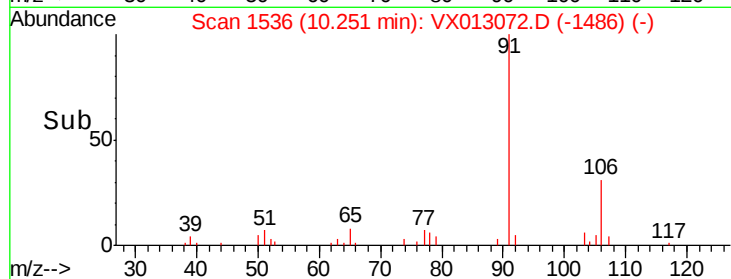
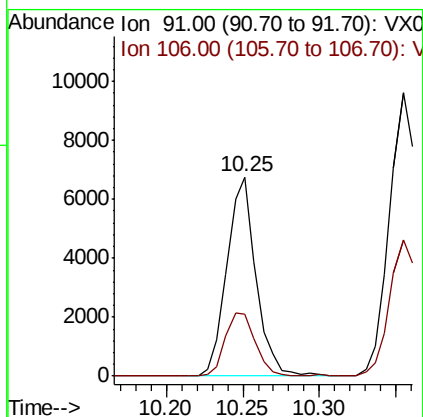
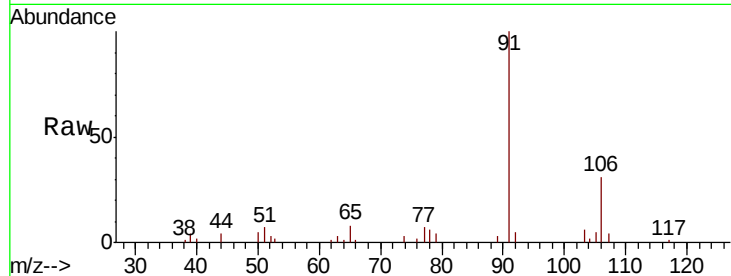




#67
Ethyl Benzene
Concen: 1.013 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

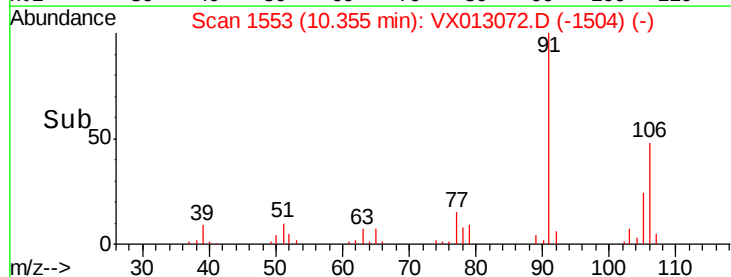
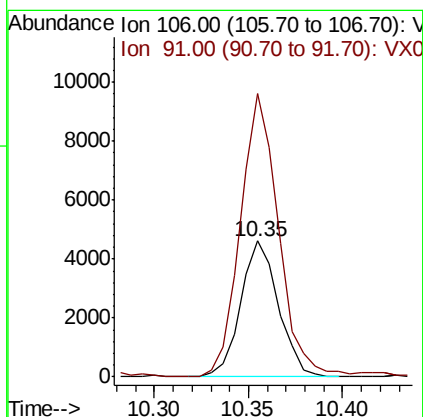
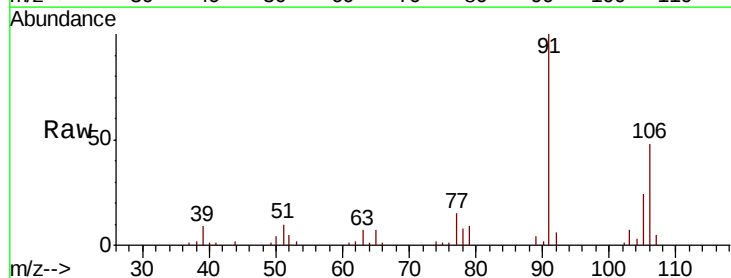
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

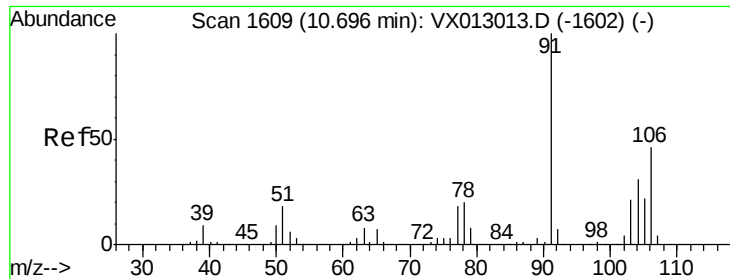
Tot Ion: 91 Resp: 8913
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9



#68
m/p-Xylenes
Concen: 1.942 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 106 Resp: 6387
Ion Ratio Lower Upper
106 100
91 211.2 165.3 247.9

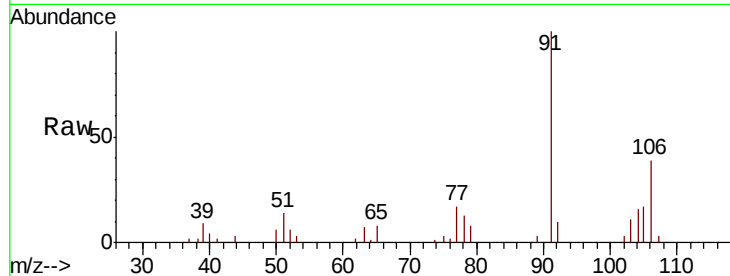




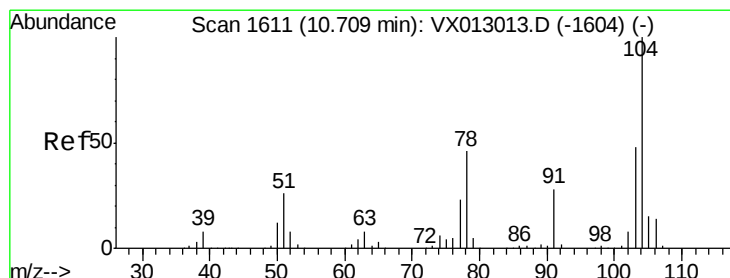
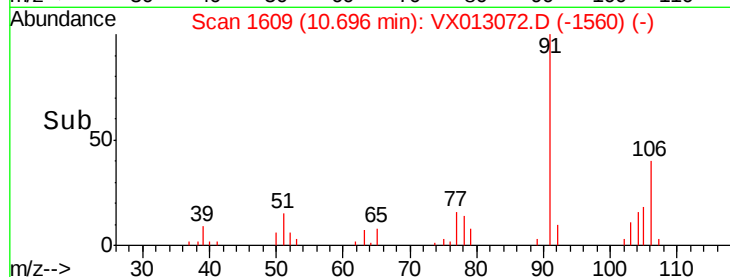
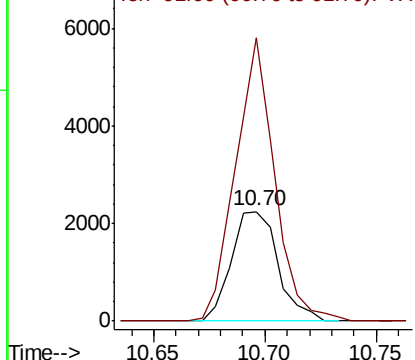
#69
o-Xylene
Concen: 1.019 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:106 Resp: 3267
Ion Ratio Lower Upper
106 100
91 217.8 109.1 327.3

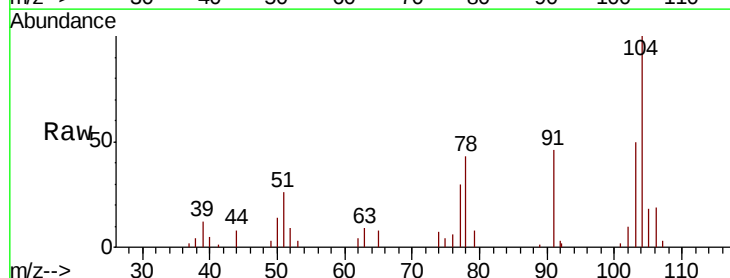


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

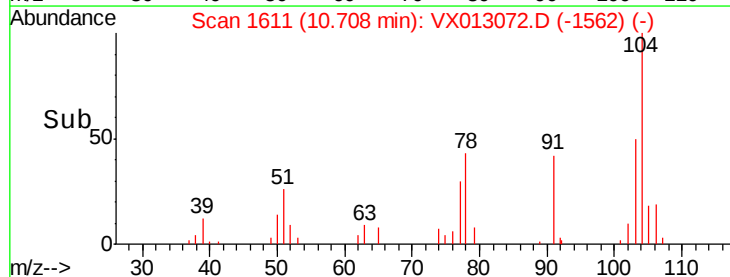
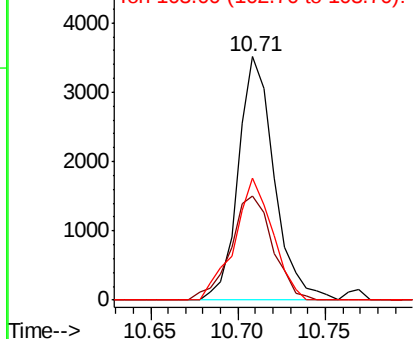


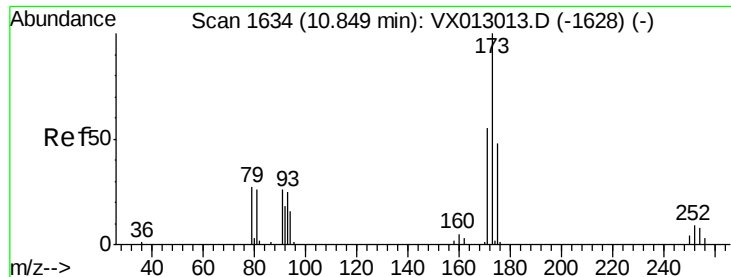
#70
Styrene
Concen: 0.921 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion:104 Resp: 5023
Ion Ratio Lower Upper
104 100
78 49.9 41.2 61.8
103 53.0 43.0 64.4



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





#71

Bromoform

Concen: 3.774 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

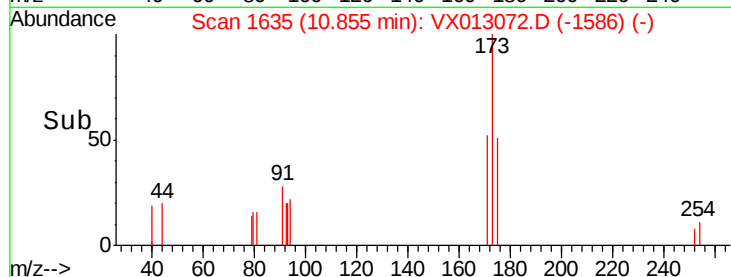
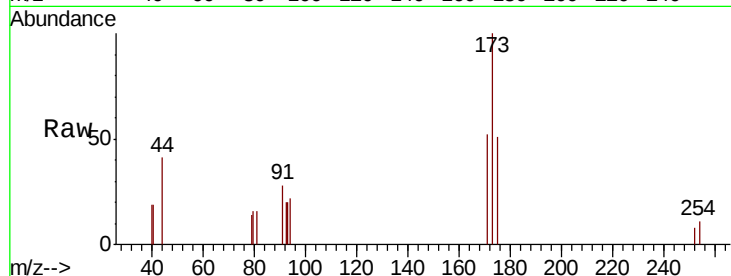
Tot Ion:173 Resp: 1002

Ion Ratio Lower Upper

173 100

175 59.0 24.1 72.3

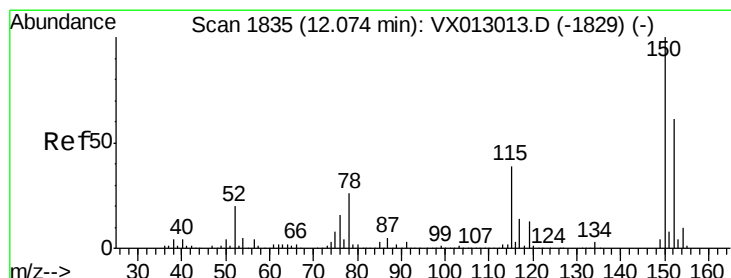
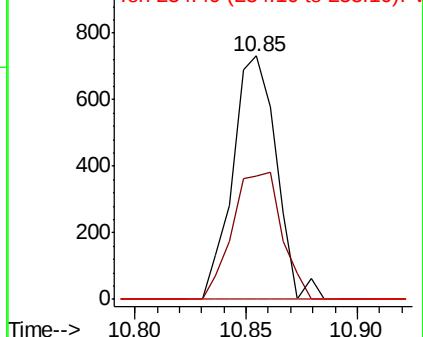
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

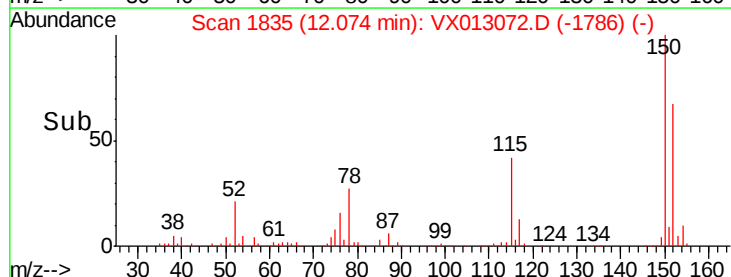
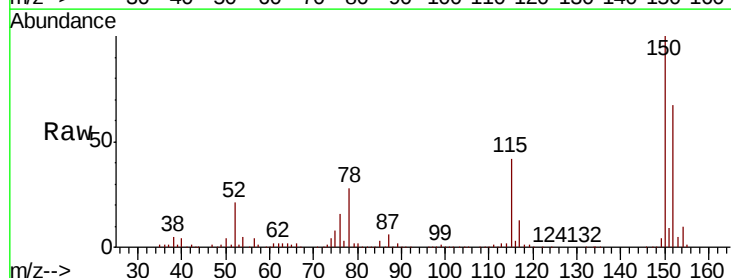
Tgt Ion:152 Resp: 108642

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.5

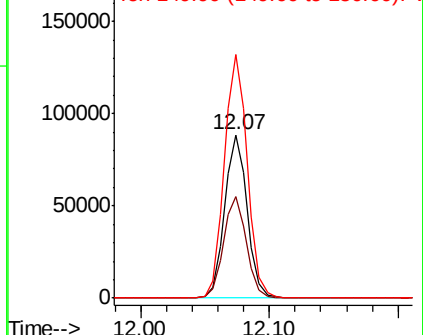
150 152.8 0.0 353.4

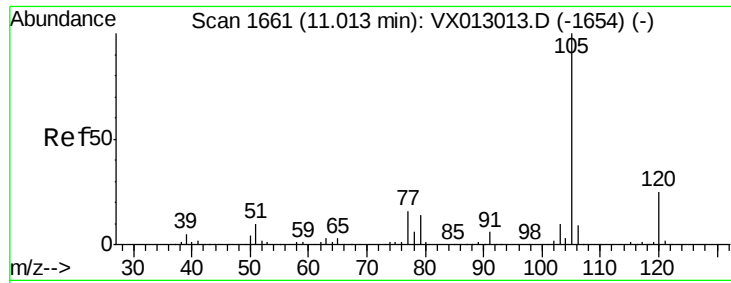


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.024 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

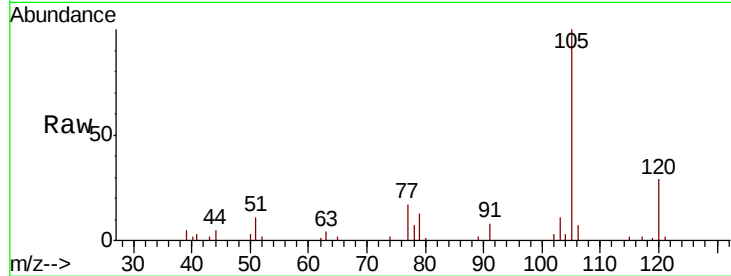
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 8180

Ion Ratio Lower Upper

105 100

120 27.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

6000

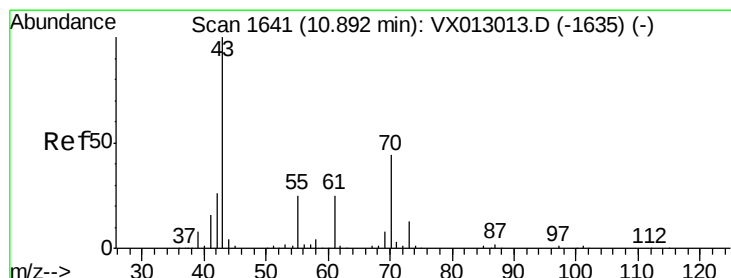
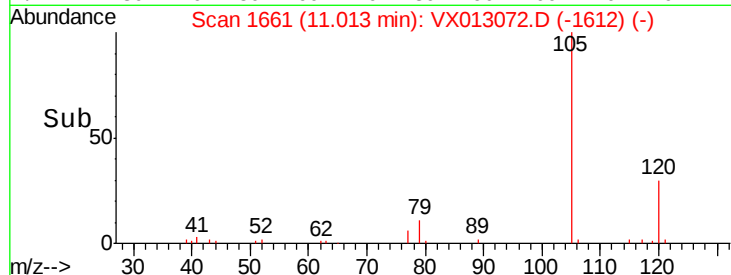
4000

2000

0

Time-->

10.95 11.00 11.05



#74

N-ethyl acetate

Concen: 0.933 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Tgt Ion: 43 Resp: 3209

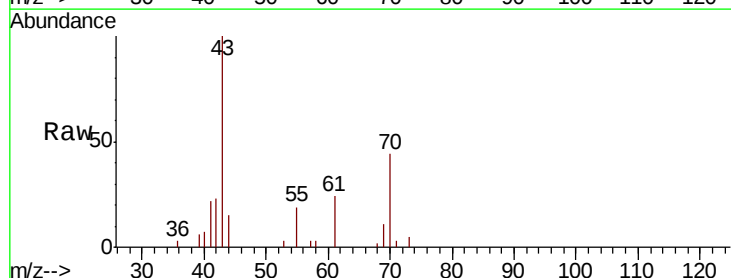
Ion Ratio Lower Upper

43 100

70 45.7 36.4 54.6

55 21.4 20.2 30.2

61 23.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

3000

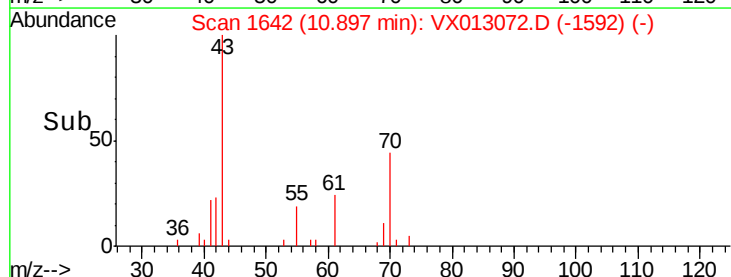
2000

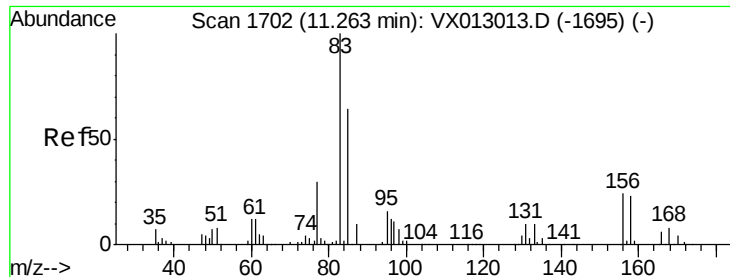
1000

0

Time-->

10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 1.020 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

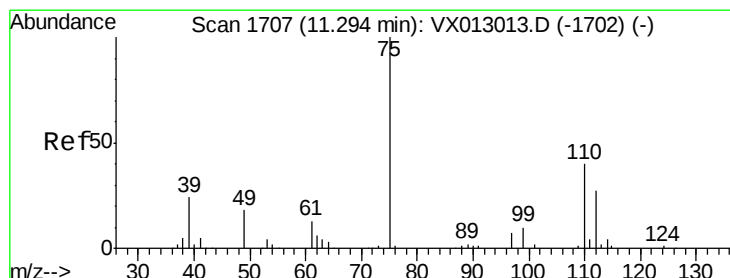
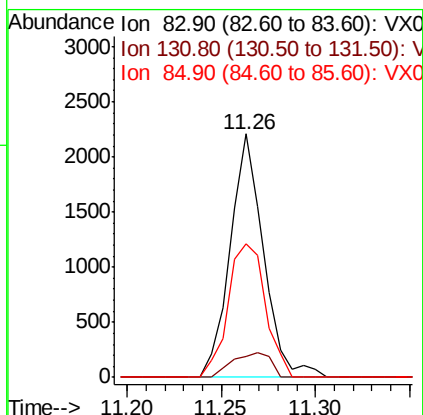
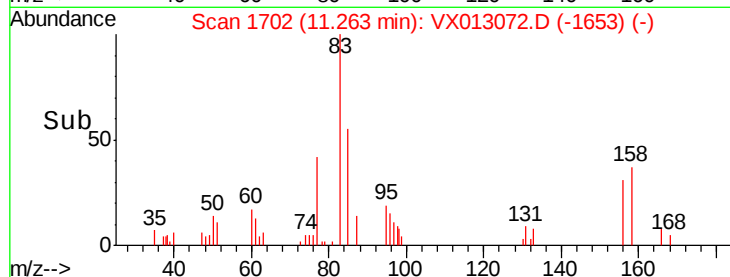
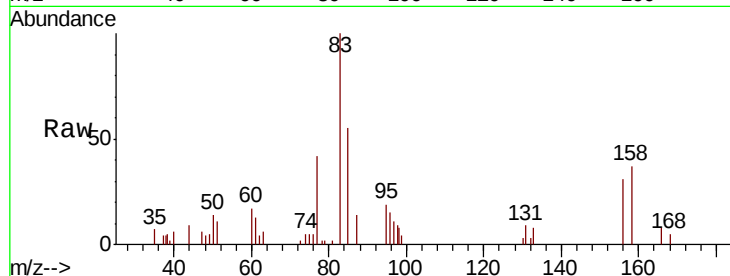
Tot Ion: 83 Resp: 2709

Ion Ratio Lower Upper

83 100

131 11.4 5.1 15.3

85 61.5 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 1.306 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX013072.D

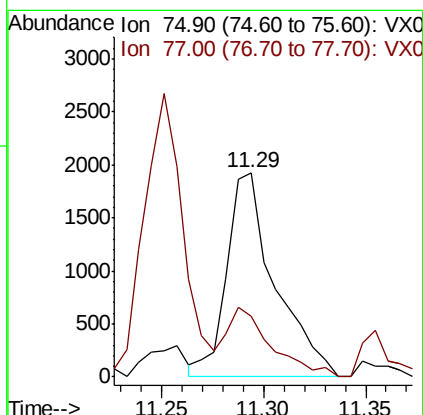
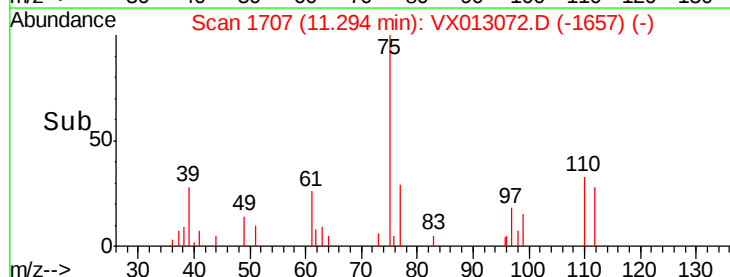
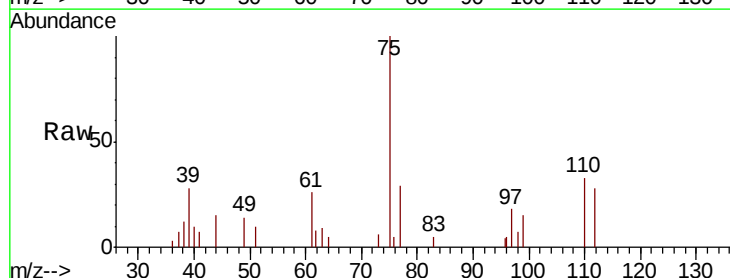
Acq: 15 Oct 2019 12:58

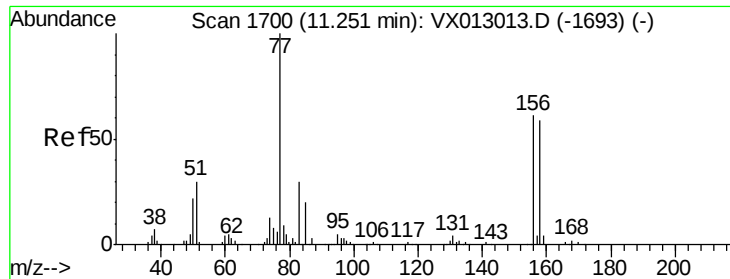
Tgt Ion: 75 Resp: 3147

Ion Ratio Lower Upper

75 100

77 31.5 22.9 68.8





#77

Bromobenzene

Concen: 1.225 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

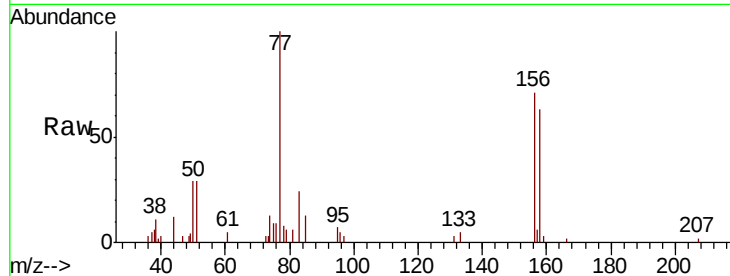
Tot Ion:156 Resp: 2306

Ion Ratio Lower Upper

156 100

77 154.8 83.7 251.0

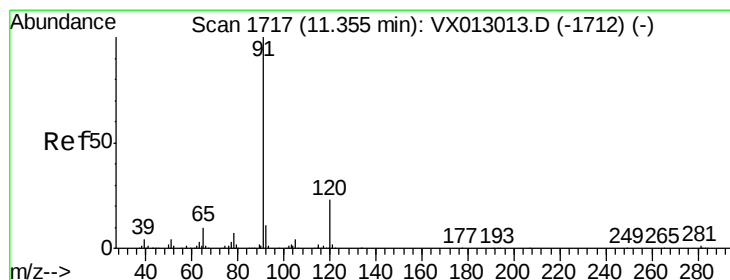
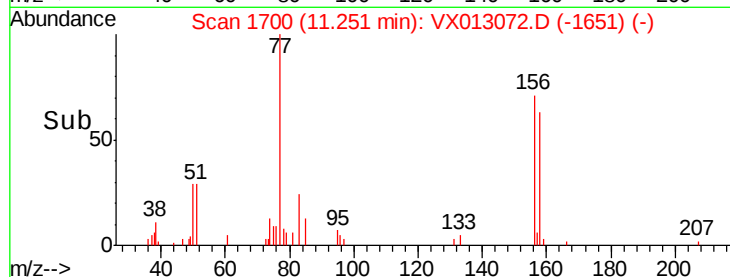
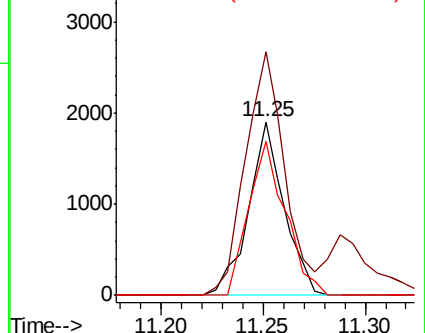
158 91.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.029 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013072.D

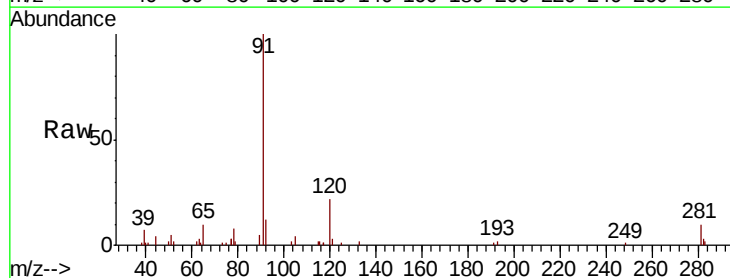
Acq: 15 Oct 2019 12:58

Tgt Ion: 91 Resp: 9042

Ion Ratio Lower Upper

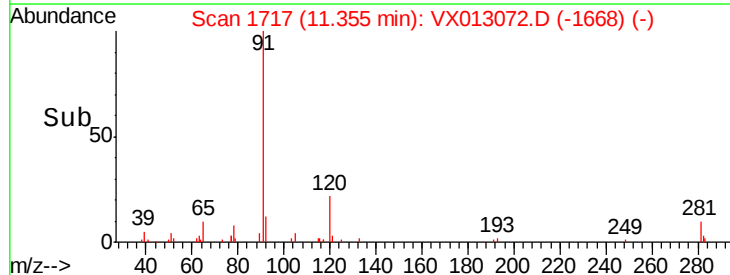
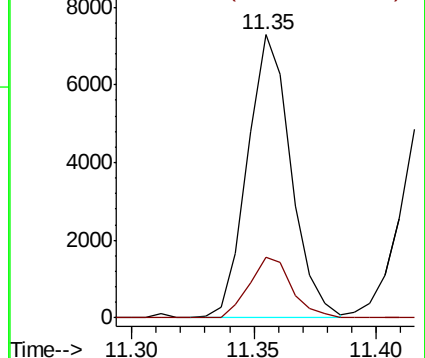
91 100

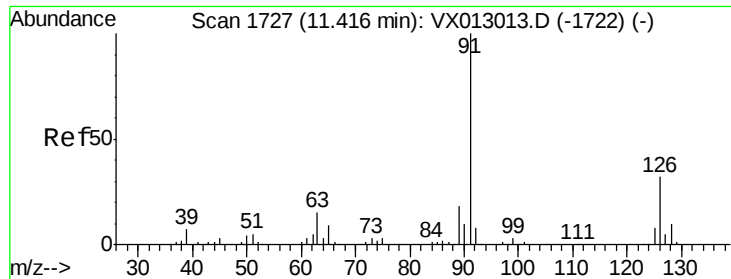
120 20.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

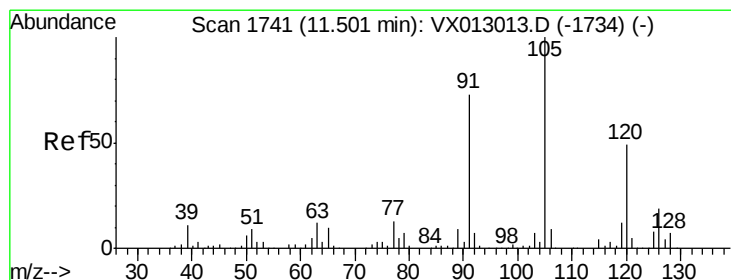
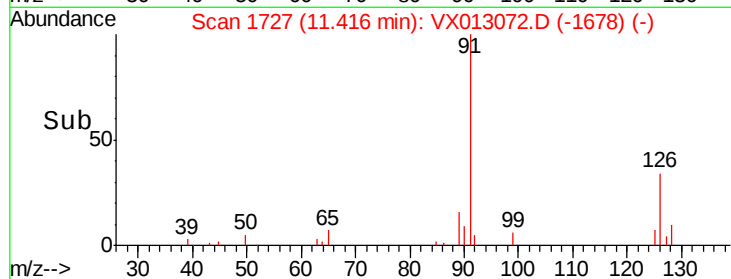
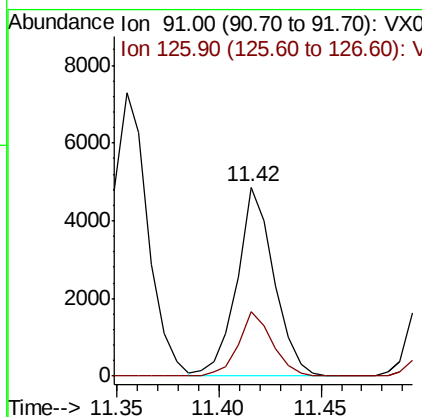
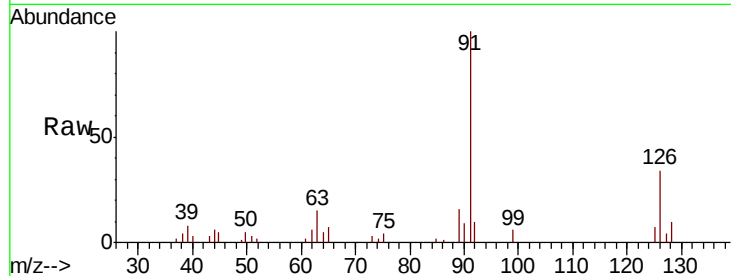




#79
 2-Chlorotoluene
 Concen: 1.111 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

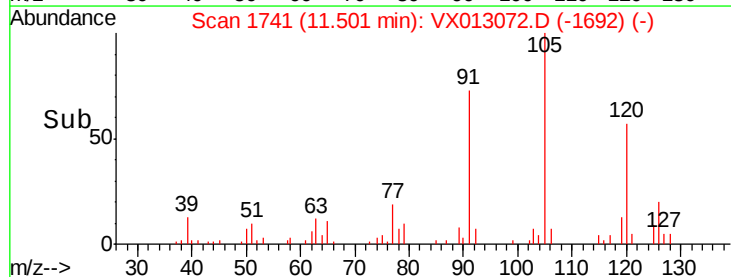
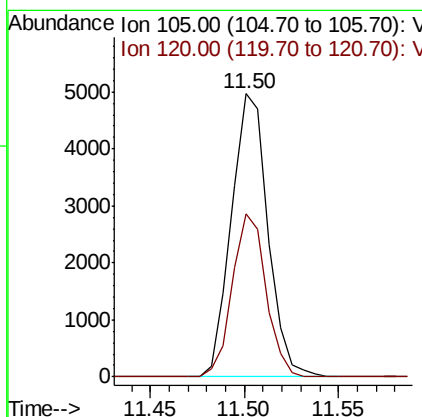
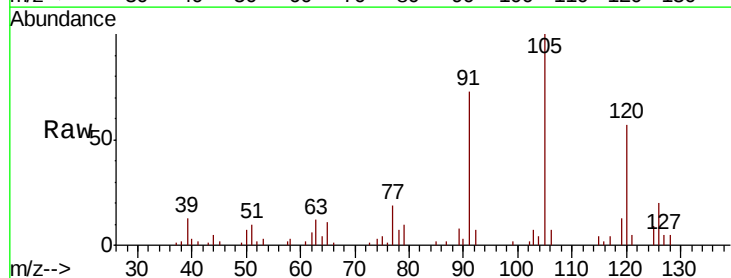
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

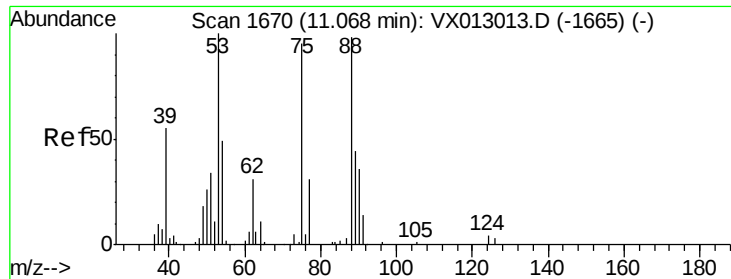
Tot Ion: 91 Resp: 6135
 Ion Ratio Lower Upper
 91 100
 126 30.7 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.002 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 105 Resp: 6686
 Ion Ratio Lower Upper
 105 100
 120 52.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 58.542 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

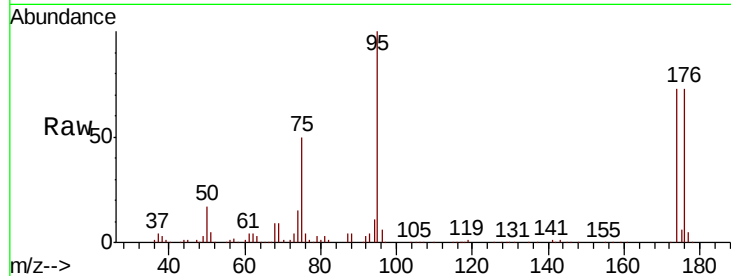
Tot Ion: 75 Resp: 55570

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

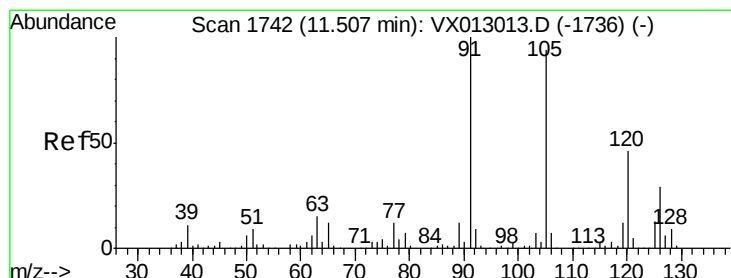
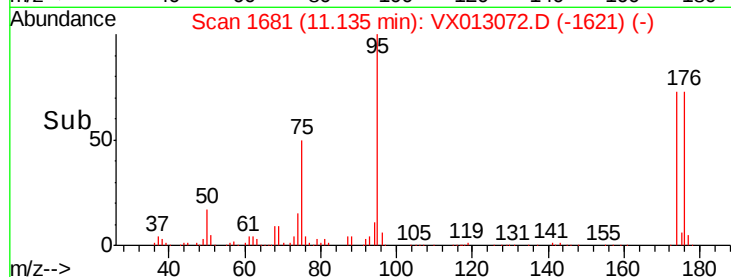
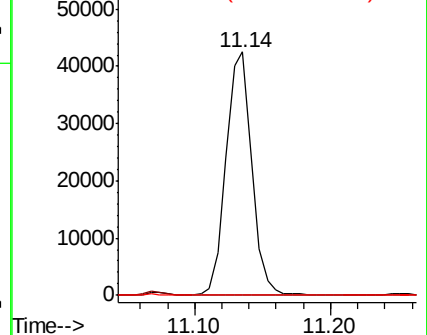
89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.038 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013072.D

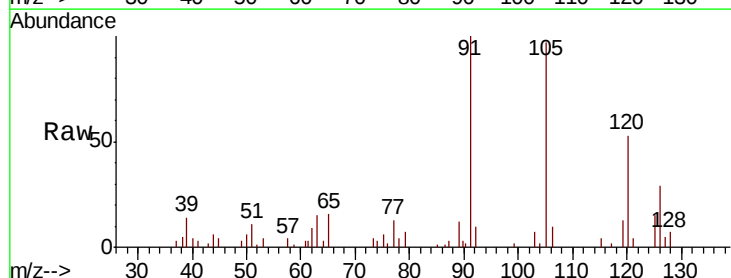
Acq: 15 Oct 2019 12:58

Tgt Ion: 91 Resp: 6571

Ion Ratio Lower Upper

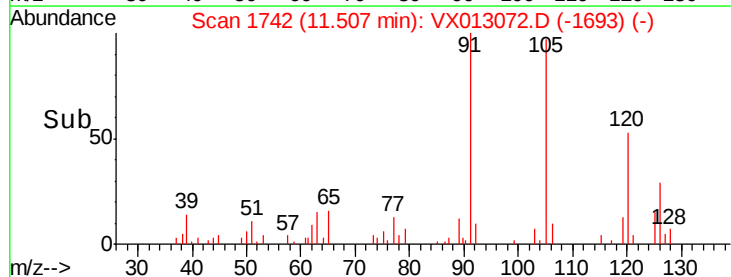
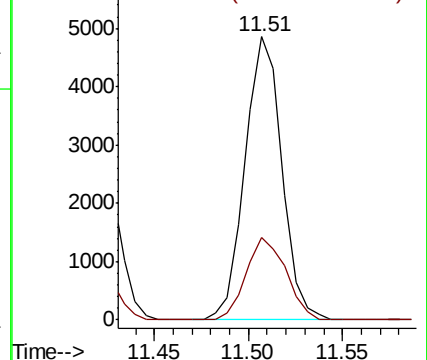
91 100

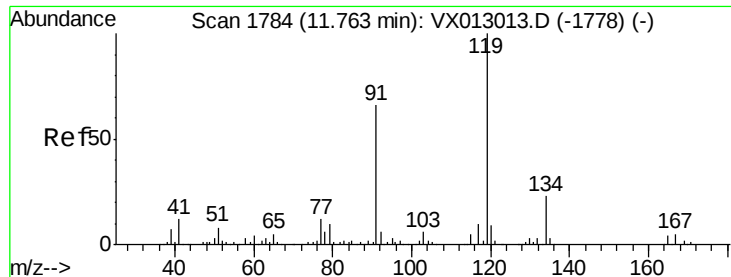
126 31.5 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

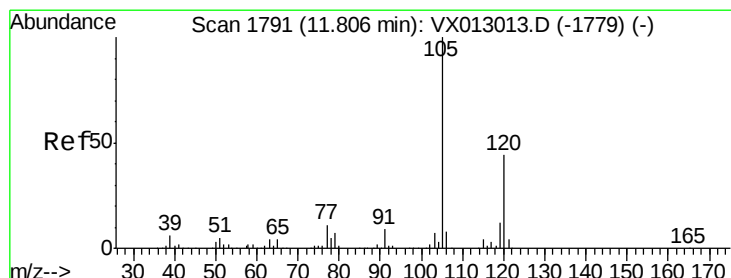
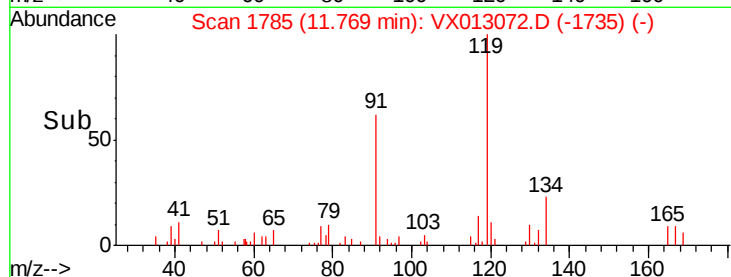
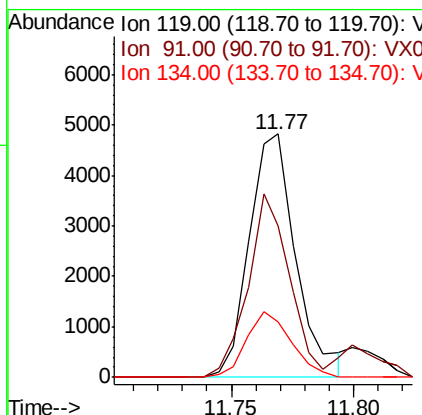
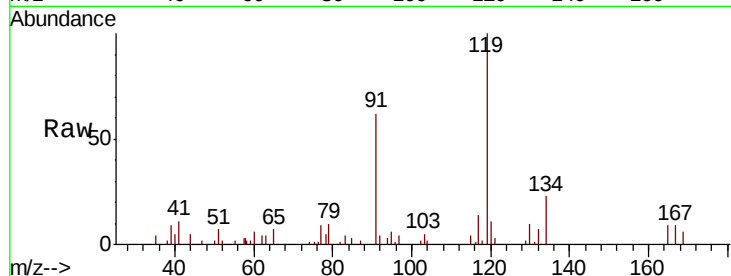




#83
tert-Butylbenzene
Concen: 0.982 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

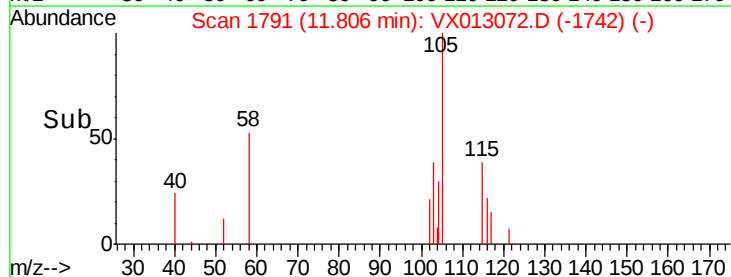
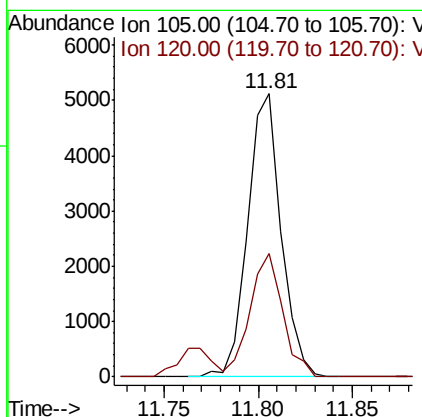
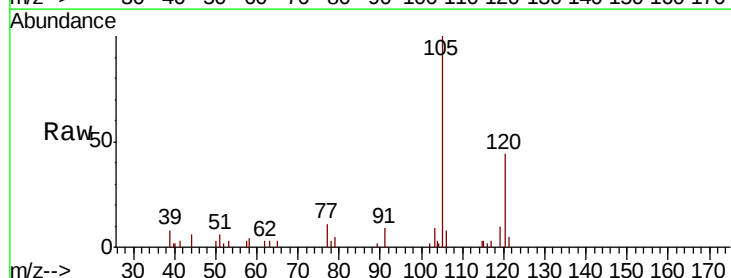
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

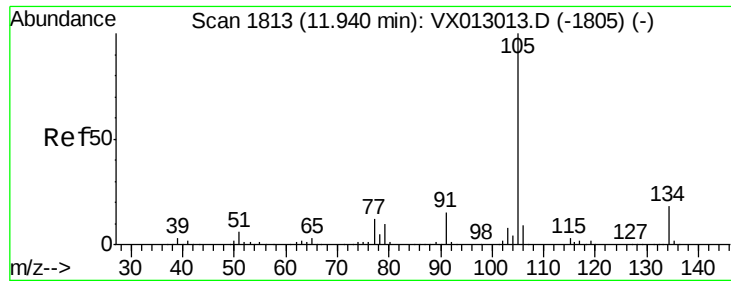
Tot Ion:119 Resp: 6387
Ion Ratio Lower Upper
119 100
91 66.9 29.3 87.9
134 26.1 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 0.930 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion:105 Resp: 6282
Ion Ratio Lower Upper
105 100
120 42.7 21.8 65.3





#85

sec-Butylbenzene

Concen: 0.960 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

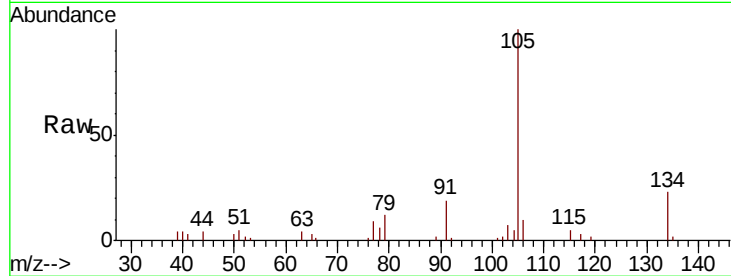
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 7239

Ion Ratio Lower Upper

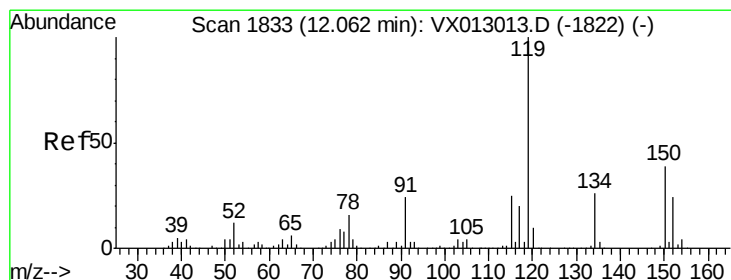
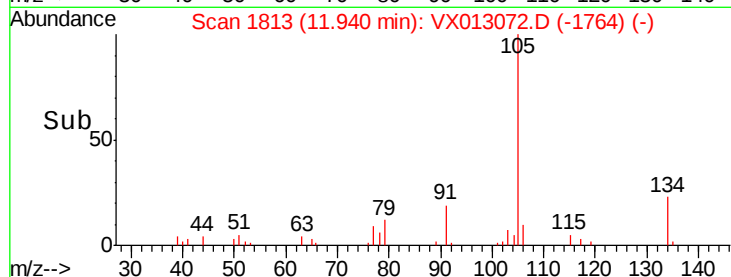
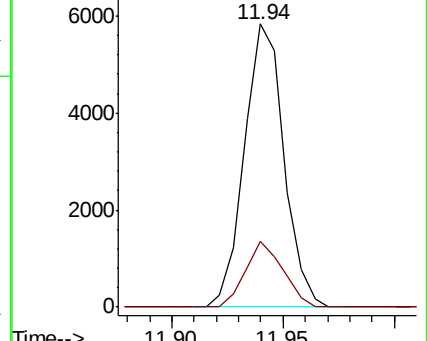
105 100

134 21.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.968 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

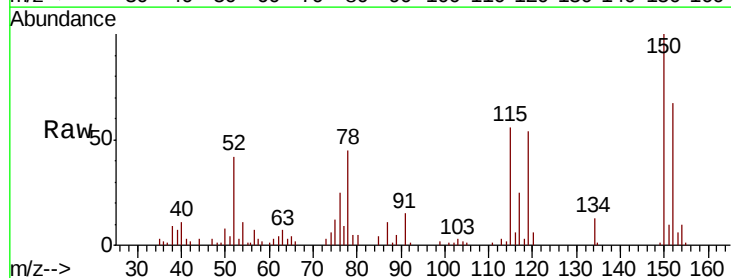
Tgt Ion:119 Resp: 6767

Ion Ratio Lower Upper

119 100

134 27.7 12.6 37.8

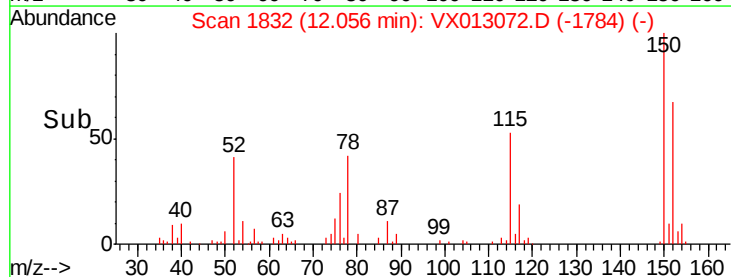
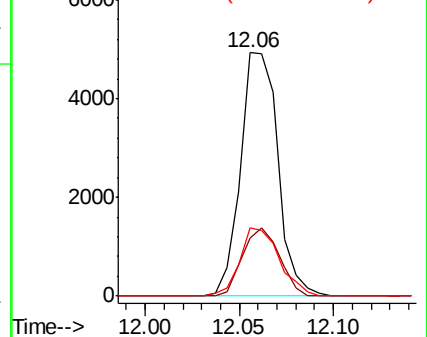
91 29.7 12.4 37.4



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): VX0

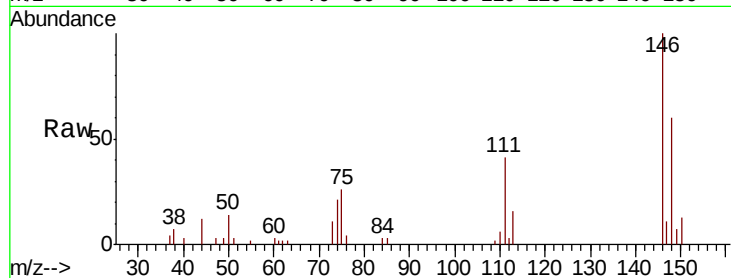




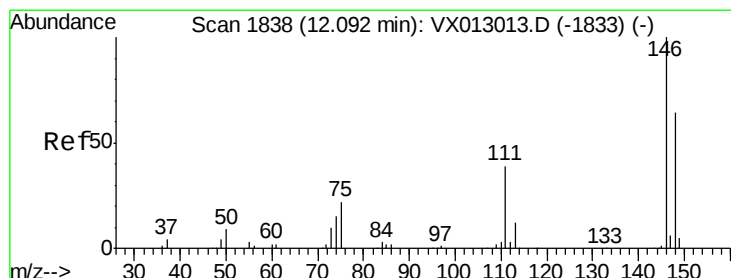
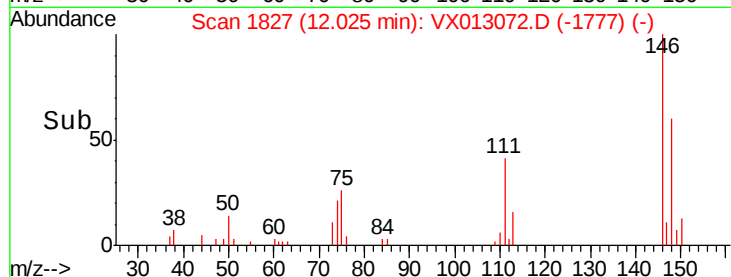
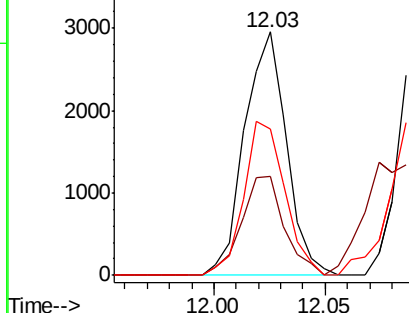
#87
 1,3-Dichlorobenzene
 Concen: 1.110 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	62.2	31.6	95.0

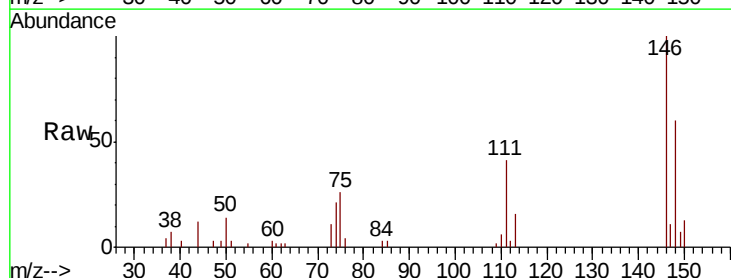


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

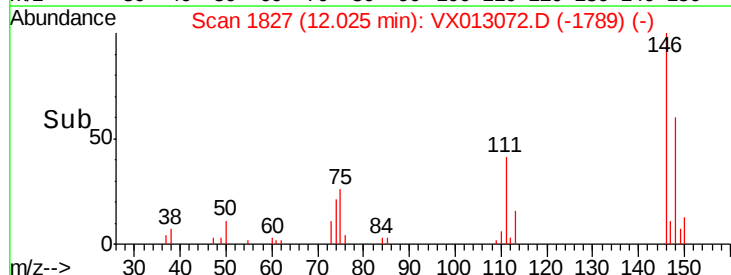
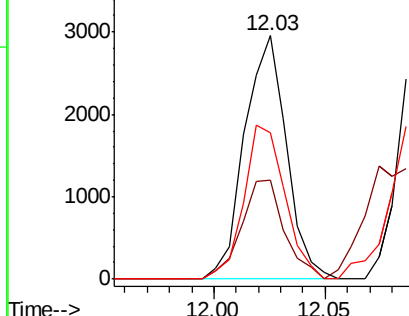


#88
 1,4-Dichlorobenzene
 Concen: 1.096 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	62.2	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.926 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

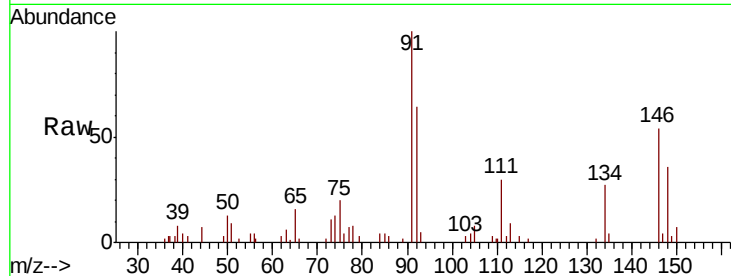
Tot Ion: 91 Resp: 5440

Ion Ratio Lower Upper

91 100

92 56.3 27.5 82.5

134 26.0 12.9 38.7

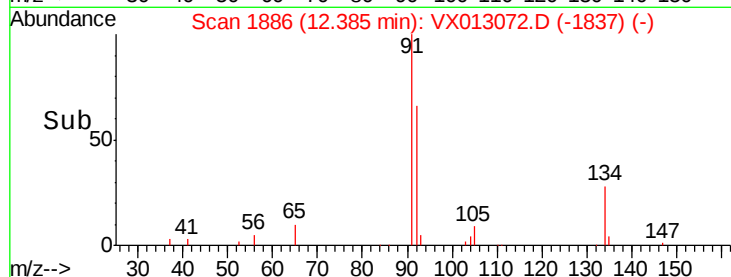


Abundance Ion 91.00 (90.70 to 91.70): VX013013.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX013013.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX013013.D (-1879) (-)

Time-->

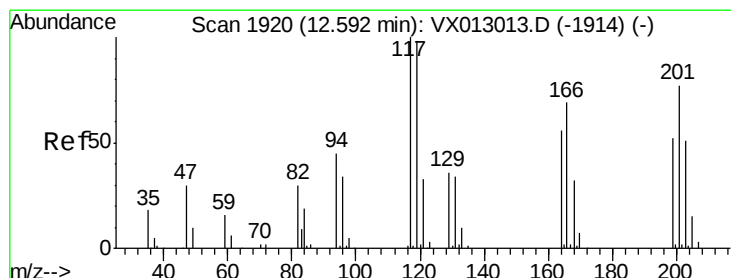


Abundance Ion 91.00 (90.70 to 91.70): VX013072.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX013072.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX013072.D (-1837) (-)

Time-->



#90

Hexachloroethane

Concen: 2.841 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013072.D

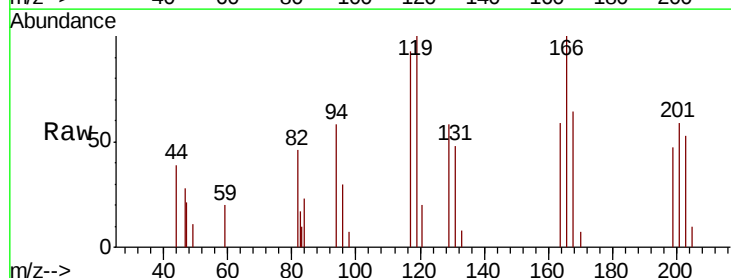
Acq: 15 Oct 2019 12:58

Tgt Ion: 117 Resp: 977

Ion Ratio Lower Upper

117 100

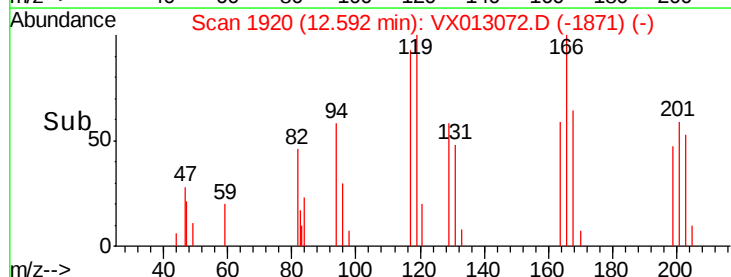
201 66.1 36.9 110.7



Abundance Ion 116.80 (116.50 to 117.50): VX013013.D (-1914) (-)

Ion 200.70 (200.40 to 201.40): VX013013.D (-1914) (-)

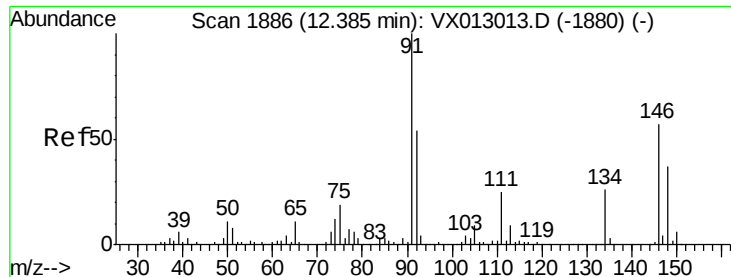
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX013072.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX013072.D (-1871) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.102 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

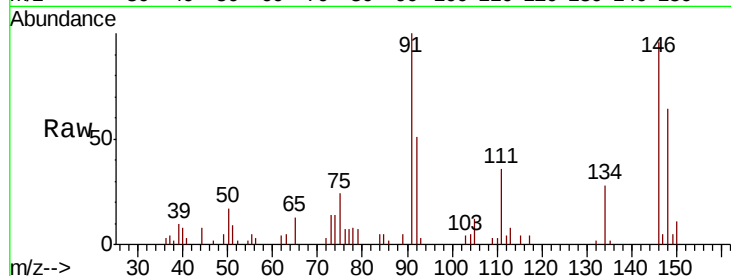
Tot Ion:146 Resp: 3777

Ion Ratio Lower Upper

146 100

111 46.4 22.7 68.0

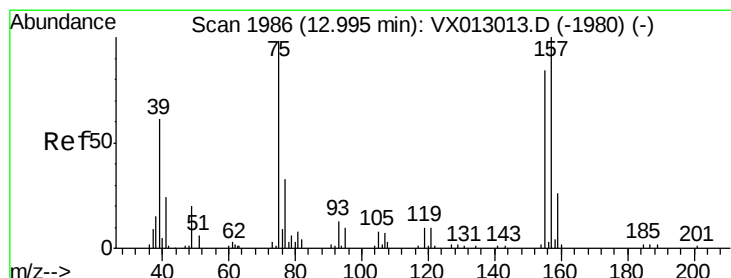
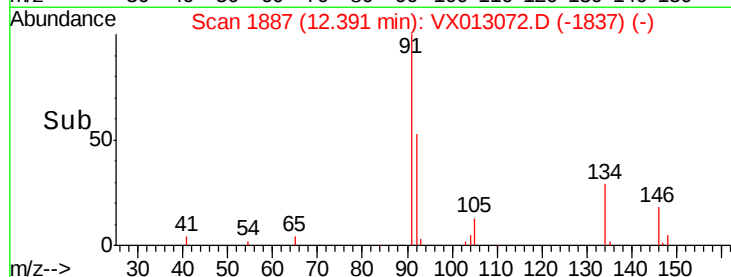
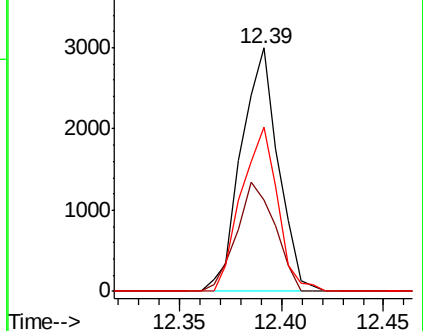
148 66.5 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.901 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX013072.D

Acq: 15 Oct 2019 12:58

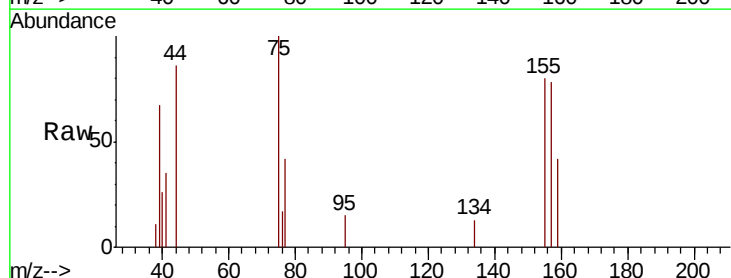
Tgt Ion: 75 Resp: 561

Ion Ratio Lower Upper

75 100

155 64.7 43.0 128.8

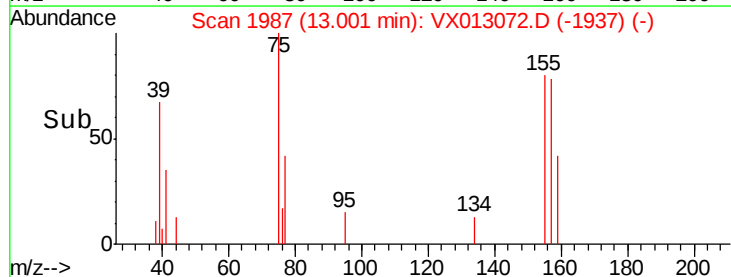
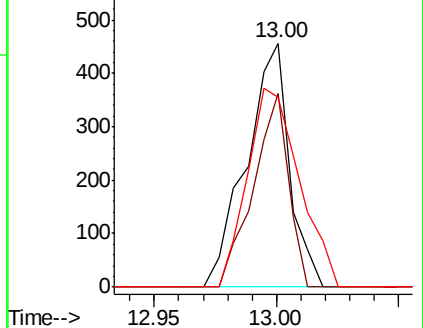
157 98.0 54.1 162.3

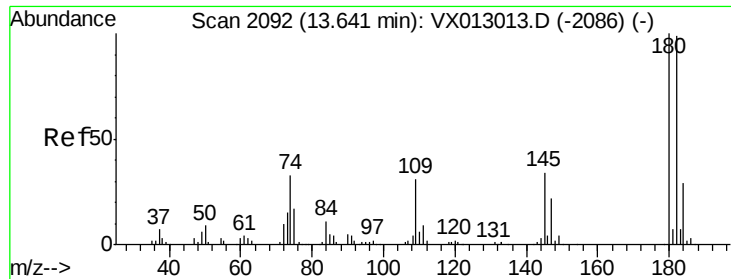


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

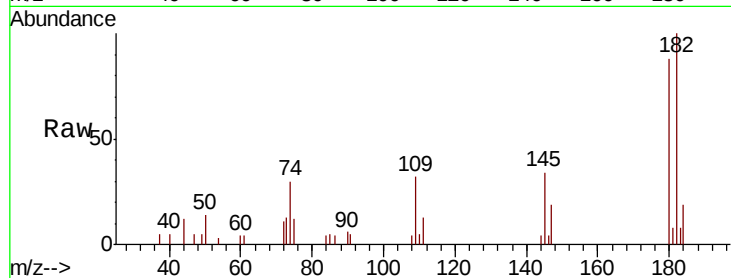




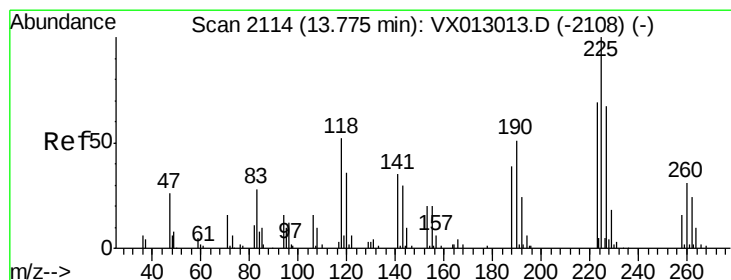
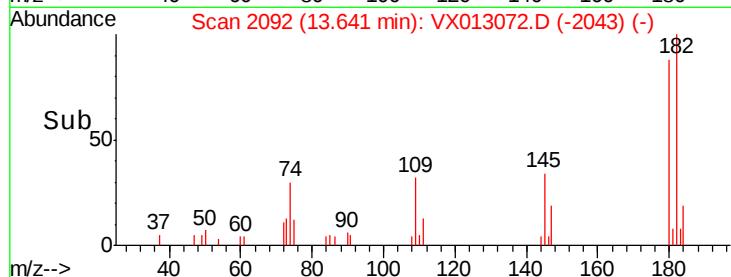
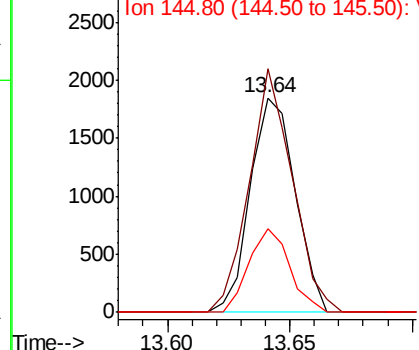
#93
 1,2,4-Trichlorobenzene
 Concen: 1.095 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:180 Resp: 2350
 Ion Ratio Lower Upper
 180 100
 182 109.0 46.8 140.4
 145 35.4 16.2 48.6

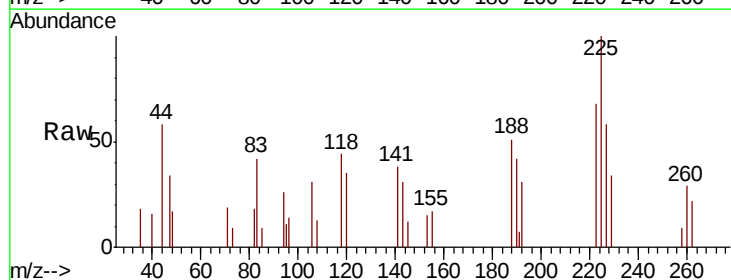


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

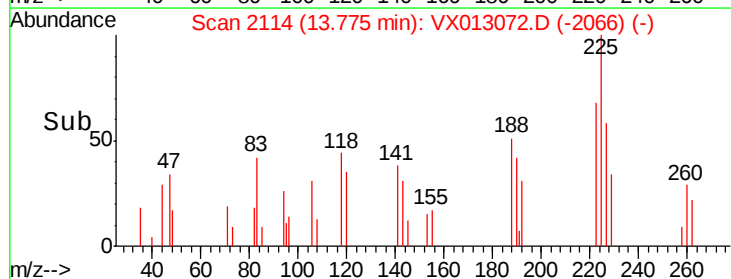
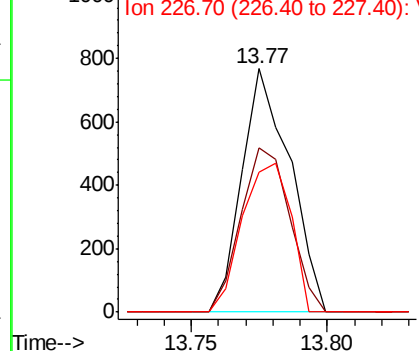


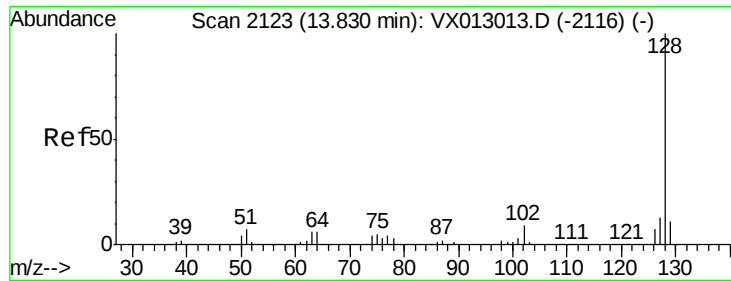
#94
 Hexachlorobutadiene
 Concen: 0.946 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013072.D
 Acq: 15 Oct 2019 12:58

Tgt Ion:225 Resp: 937
 Ion Ratio Lower Upper
 225 100
 223 69.1 31.1 93.2
 227 62.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

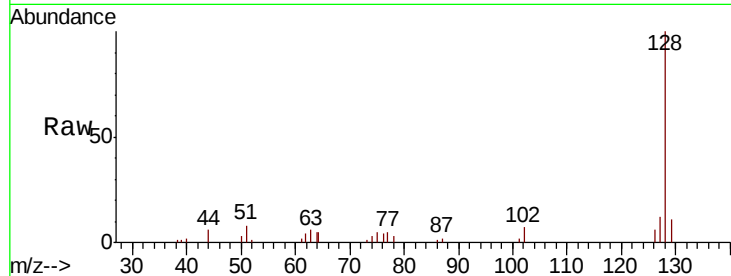




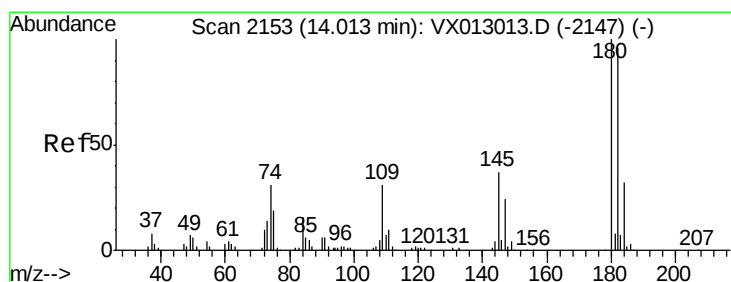
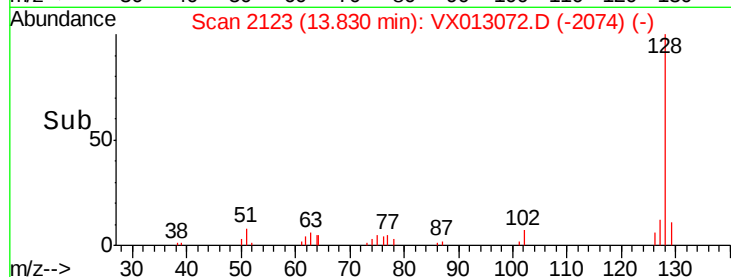
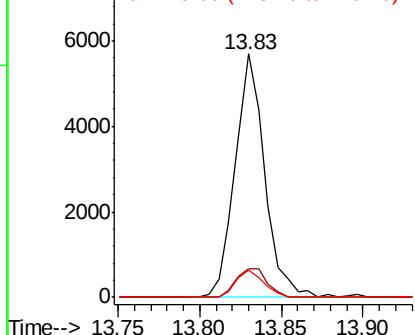
#95
Naphthalene
Concen: 0.965 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:128 Resp: 7181
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.3 8.8 13.2

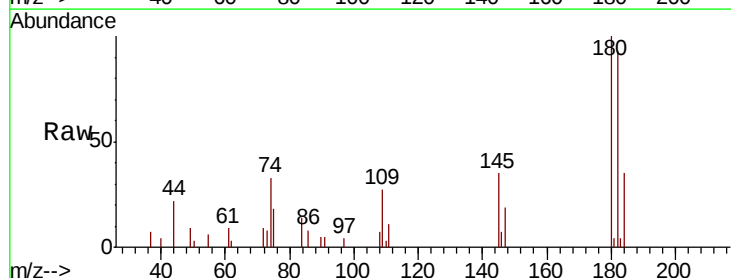


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.056 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013072.D
Acq: 15 Oct 2019 12:58

Tgt Ion:180 Resp: 2342
Ion Ratio Lower Upper
180 100
182 92.7 47.5 142.5
145 33.5 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

