

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010910.D
 Acq On : 16 Jul 2019 16:42
 Operator : JC/SP
 Sample : K3591-08 1PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 17 05:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	288122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110822	48.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.04%	
35) Dibromofluoromethane	5.50	113	96935	47.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.02%	
50) Toluene-d8	8.71	98	372646	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.13	95	127733	44.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1302	0.650	ug/l	85
3) Chloromethane	1.32	50	1960	0.993	ug/l #	82
4) Vinyl Chloride	1.41	62	1802	0.895	ug/l	90
5) Bromomethane	1.64	94	2095	1.846	ug/l	100
6) Chloroethane	1.73	64	1877	1.467	ug/l #	78
7) Trichlorofluoromethane	1.93	101	2987	0.876	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1897	0.975	ug/l	96
10) Methyl Iodide	2.51	142	1764	0.691	ug/l	97
11) Tert butyl alcohol	3.03	59	6238	11.727	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1800	0.941	ug/l	94
13) Acrolein	2.29	56	1733	5.639	ug/l	88
14) Allyl chloride	2.73	41	2787	1.003	ug/l #	86
15) Acrylonitrile	3.14	53	5642	5.249	ug/l	100
16) Acetone	2.45	43	5163	5.005	ug/l	92
17) Carbon Disulfide	2.57	76	4818	0.982	ug/l	99
18) Methyl Acetate	2.78	43	3141	1.337	ug/l #	87
19) Methyl tert-butyl Ether	3.19	73	5687	0.924	ug/l	91
20) Methylene Chloride	2.87	84	2682	1.227	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	1927	0.950	ug/l #	89
22) Diisopropyl ether	3.85	45	6088	1.039	ug/l	95
23) Vinyl Acetate	3.82	43	20162	4.062	ug/l	98
24) 1,1-Dichloroethane	3.70	63	3489	1.025	ug/l #	84
25) 2-Butanone	4.68	43	6955	4.696	ug/l	95
26) 2,2-Dichloropropane	4.59	77	2666	0.954	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2425	1.033	ug/l	86
28) Bromochloromethane	5.03	49	2191	1.366	ug/l #	84
29) Tetrahydrofuran	5.15	42	4968	5.296	ug/l	97
30) Chloroform	5.21	83	4110	1.118	ug/l	94
31) Cyclohexane	5.58	56	3021	0.974	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	3015	0.948	ug/l #	45
36) 1,1-Dichloropropene	5.81	75	2721	1.020	ug/l	99
37) Ethyl Acetate	4.84	43	2437	0.892	ug/l #	93
38) Carbon Tetrachloride	5.79	117	2703	0.972	ug/l	94
39) Methylcyclohexane	7.46	83	3208	0.927	ug/l	89

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	7656	0.937	ug/l	99
41) Methacrylonitrile	5.04	41	514	0.331	ug/l #	14
42) 1,2-Dichloroethane	6.20	62	3003	1.057	ug/l	99
43) Isopropyl Acetate	6.44	43	4442	0.989	ug/l #	67
44) Trichloroethene	7.22	130	2447	1.011	ug/l	89
45) 1,2-Dichloropropane	7.51	63	2088	1.004	ug/l	95
46) Dibromomethane	7.66	93	1690	1.137	ug/l	87
47) Bromodichloromethane	7.90	83	2219	0.838	ug/l #	98
48) Methyl methacrylate	7.77	41	1794	0.820	ug/l	88
49) 1,4-Dioxane	7.75	88	1296	21.166	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	12886	4.424	ug/l	99
52) Toluene	8.79	92	5205	0.969	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2097	0.737	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	2752	0.869	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2010	0.909	ug/l	89
56) Ethyl methacrylate	9.18	69	2789	0.862	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	3236	0.923	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	6866	4.447	ug/l	96
59) 2-Hexanone	9.49	43	9934	4.397	ug/l	96
60) Dibromochloromethane	9.58	129	1681	0.751	ug/l	92
61) 1,2-Dibromoethane	9.67	107	2116	0.902	ug/l	97
64) Tetrachloroethene	9.34	164	2385	1.052	ug/l	94
65) Chlorobenzene	10.13	112	5517	0.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1813	0.872	ug/l #	62
67) Ethyl Benzene	10.25	91	9193	0.913	ug/l	97
68) m/p-Xylenes	10.36	106	7454	1.929	ug/l	87
69) o-Xylene	10.69	106	3517	0.933	ug/l	94
70) Stvrene	10.71	104	5240	0.834	ug/l	98
71) Bromoform	10.85	173	1153	0.695	ug/l #	88
73) Isopropylbenzene	11.02	105	8583	0.927	ug/l	94
74) N-amyl acetate	10.90	43	2899	0.820	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	2929	0.967	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	3012	1.218	ug/l	92
77) Bromobenzene	11.26	156	2690	1.053	ug/l	98
78) n-propylbenzene	11.36	91	9517	0.930	ug/l	99
79) 2-Chlorotoluene	11.42	91	6333	1.031	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7243	0.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	63282	70.431	ug/l #	11
82) 4-Chlorotoluene	11.51	91	7070	0.989	ug/l	100
83) tert-Butylbenzene	11.77	119	6950	0.915	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	6641	0.852	ug/l	94
85) sec-Butylbenzene	11.94	105	8104	0.910	ug/l	99
86) p-Isopropyltoluene	12.06	119	6990	0.849	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	4302	0.971	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	4302	0.947	ug/l	95
89) n-Butylbenzene	12.38	91	5615	0.797	ug/l	95
90) Hexachloroethane	12.60	117	975	0.751	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	4419	1.006	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	607	0.959	ug/l	78
93) 1,2,4-Trichlorobenzene	13.65	180	2776	0.933	ug/l	95

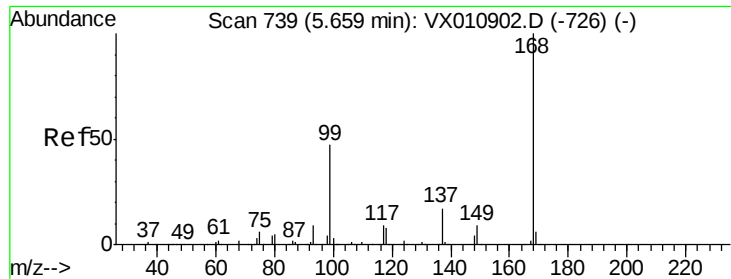
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
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Quant Time: Jul 17 05:58:38 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1349	0.915	ug/l	97
95) Naphthalene	13.83	128	7198	0.819	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	2852	0.963	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

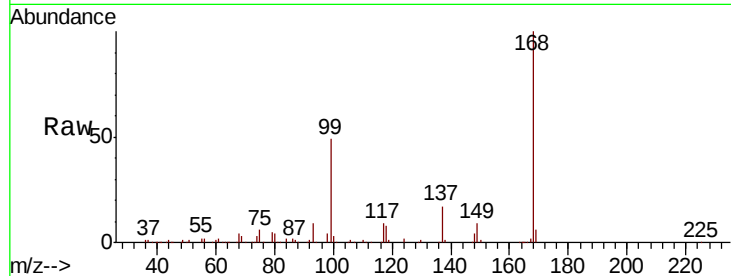
LOQ-WATER-02-QT3-2019

Tot Ion:168 Resp: 214706

Ion Ratio Lower Upper

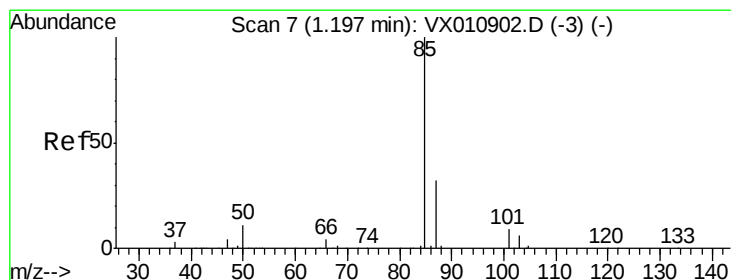
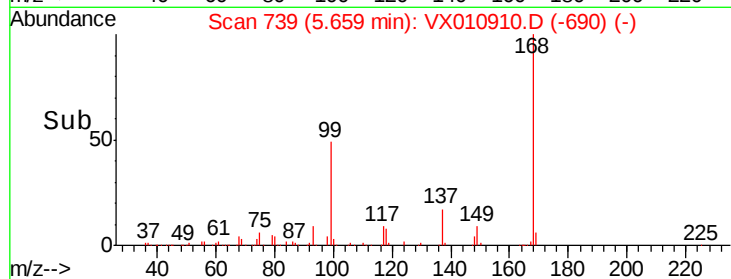
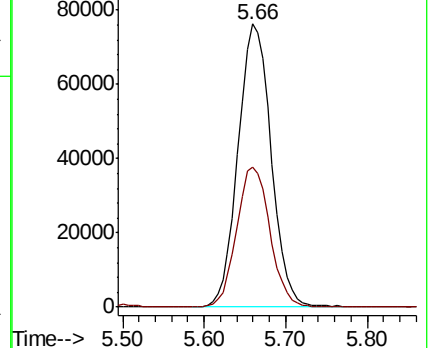
168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.650 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010910.D

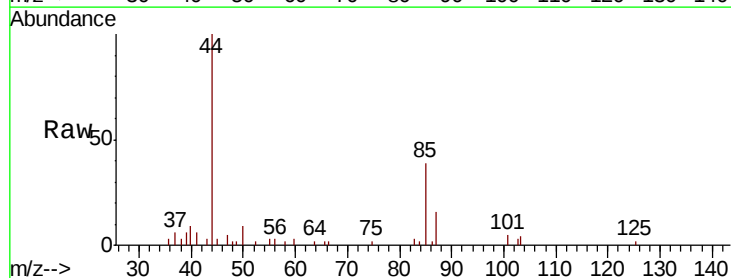
Acq: 16 Jul 2019 16:42

Tgt Ion: 85 Resp: 1302

Ion Ratio Lower Upper

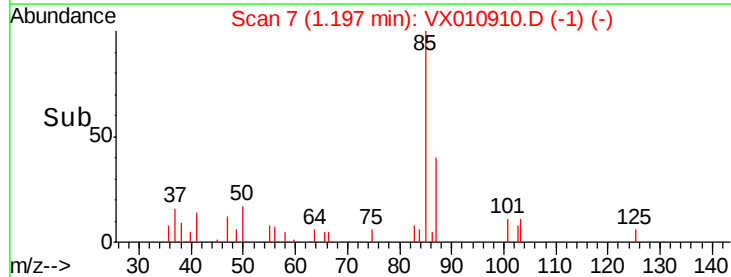
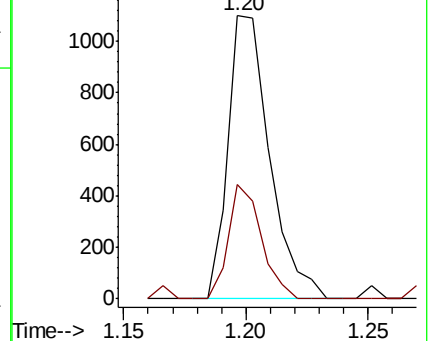
85 100

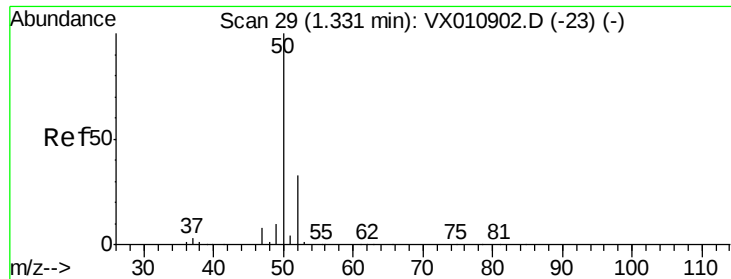
87 40.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.993 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

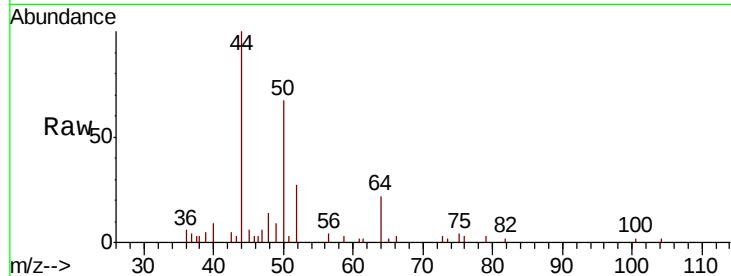
LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 1960

Ion Ratio Lower Upper

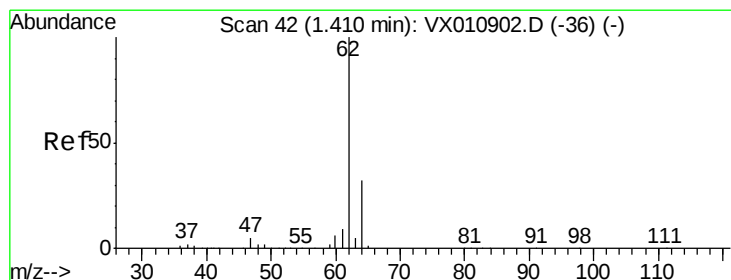
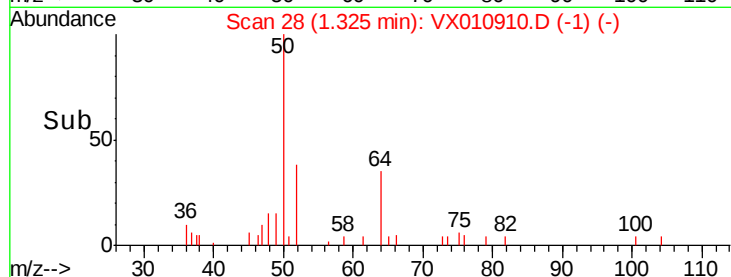
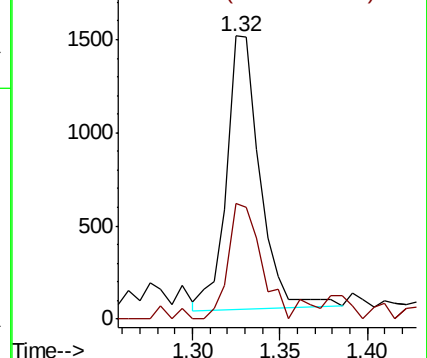
50 100

52 43.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.895 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010910.D

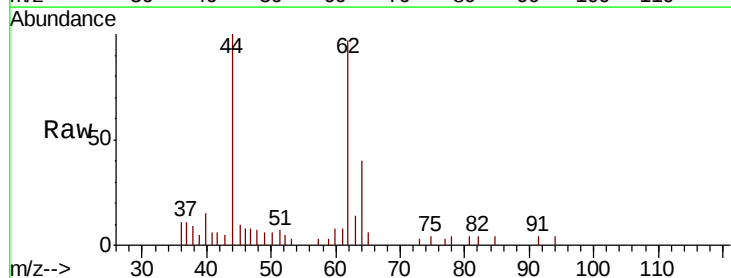
Acq: 16 Jul 2019 16:42

Tgt Ion: 62 Resp: 1802

Ion Ratio Lower Upper

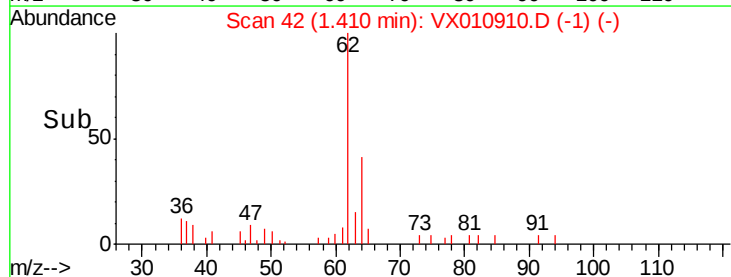
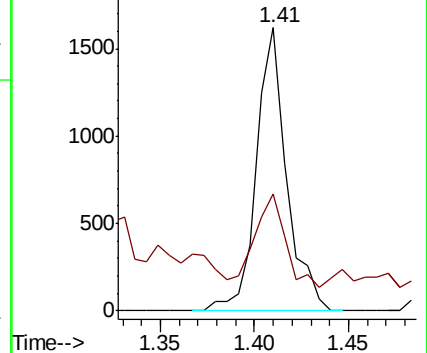
62 100

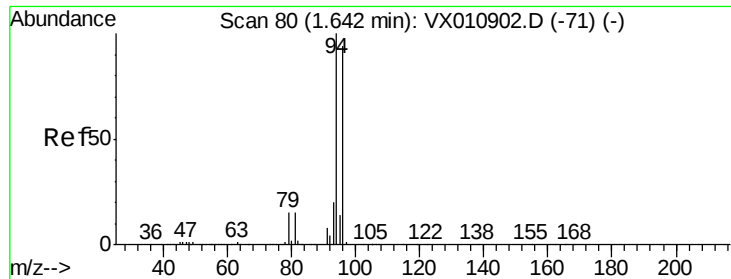
64 26.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.846 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

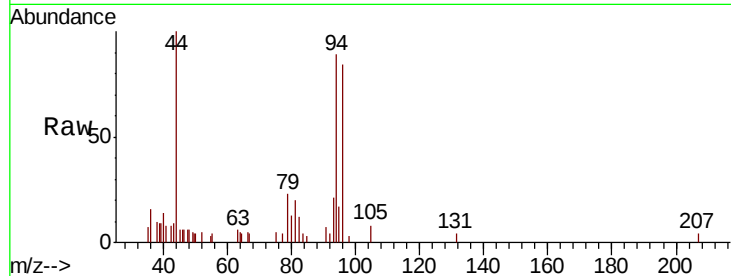
LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 2095

Ion Ratio Lower Upper

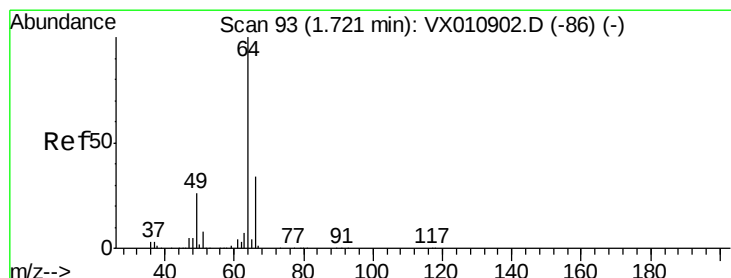
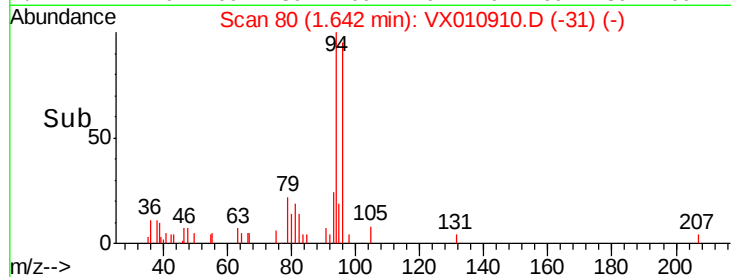
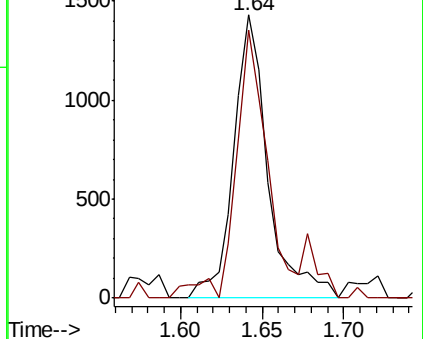
94 100

96 94.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.467 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010910.D

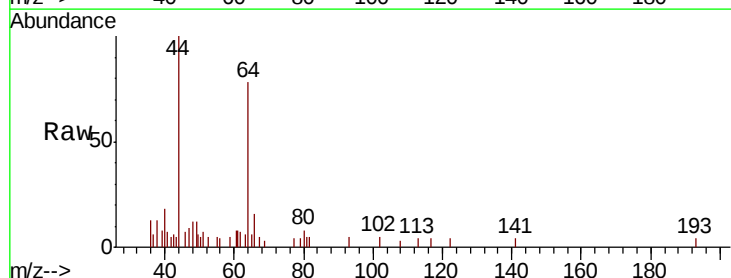
Acq: 16 Jul 2019 16:42

Tgt Ion: 64 Resp: 1877

Ion Ratio Lower Upper

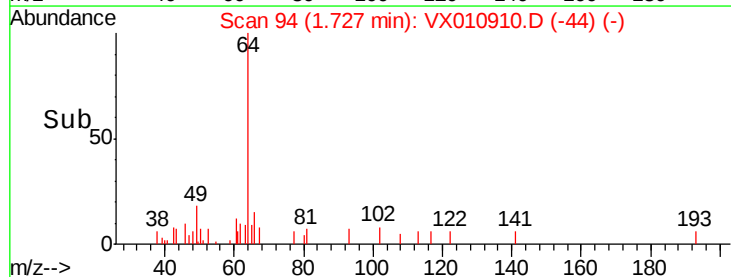
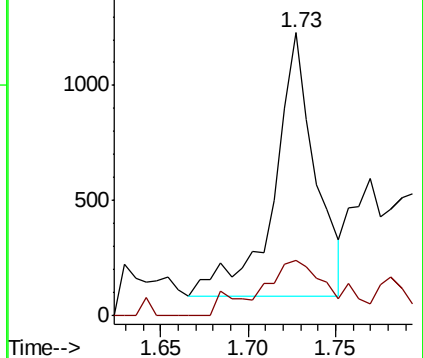
64 100

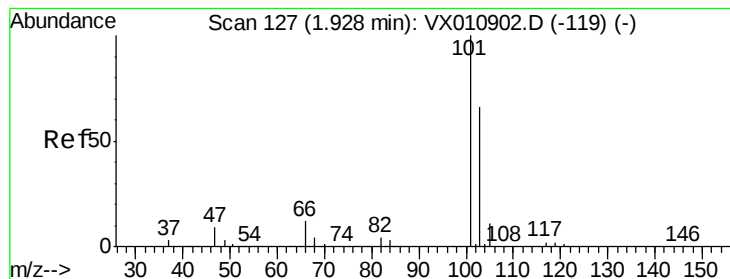
66 21.2 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.876 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

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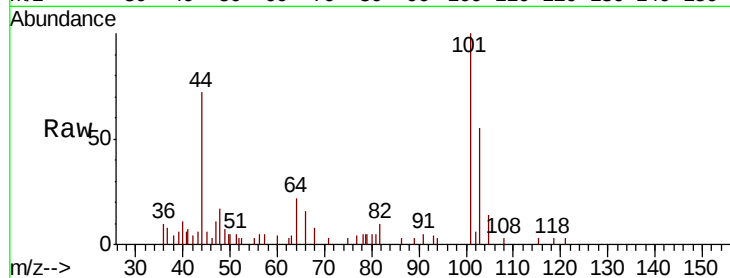
LOQ-WATER-02-QT3-2019

Tot Ion:101 Resp: 2987

Ion Ratio Lower Upper

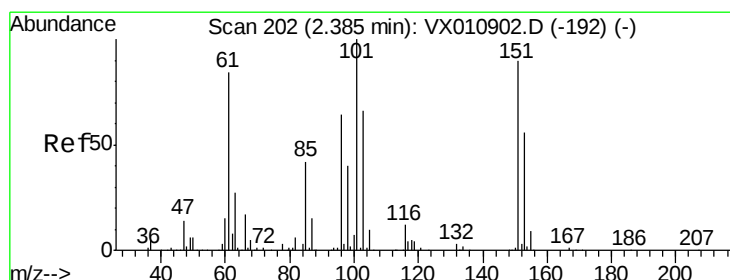
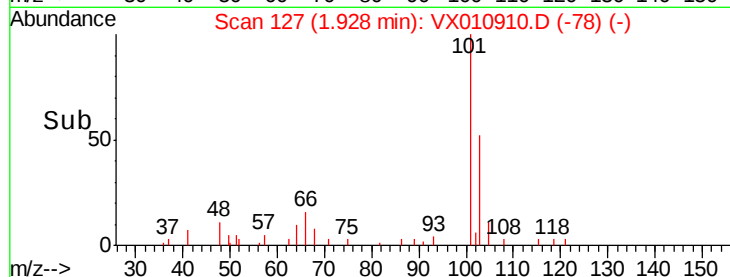
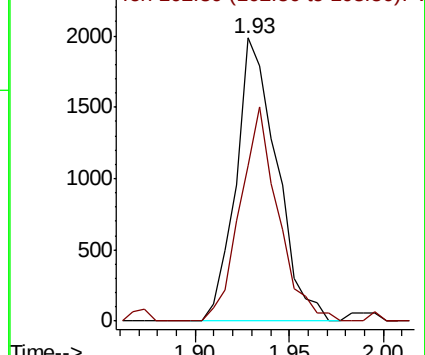
101 100

103 55.0 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.975 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

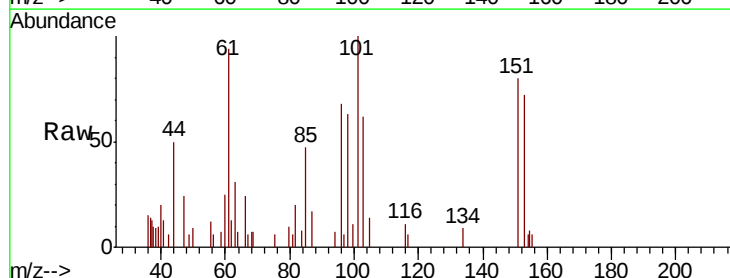
Tgt Ion:101 Resp: 1897

Ion Ratio Lower Upper

101 100

85 41.0 34.6 52.0

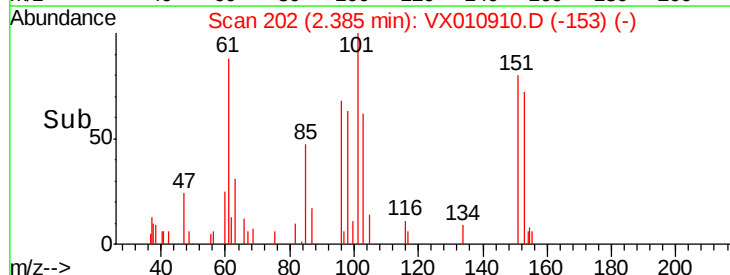
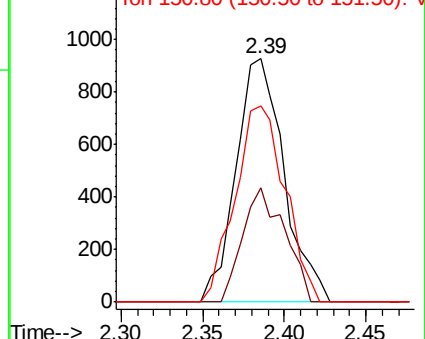
151 83.8 69.6 104.4

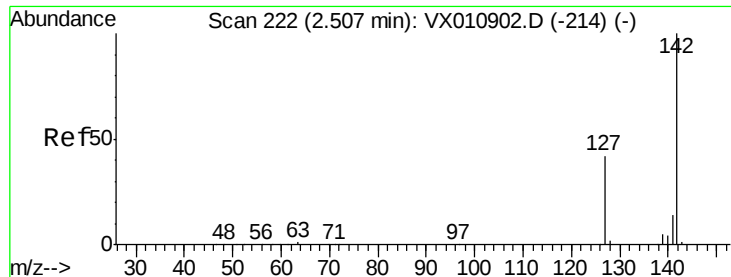


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

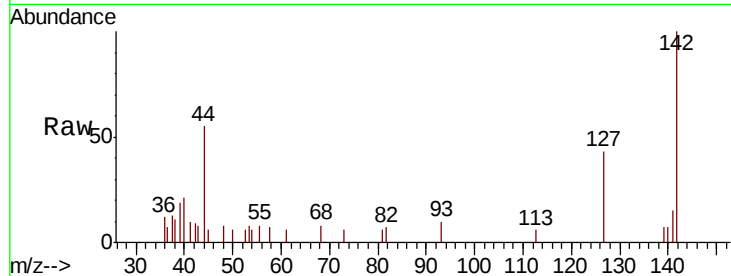




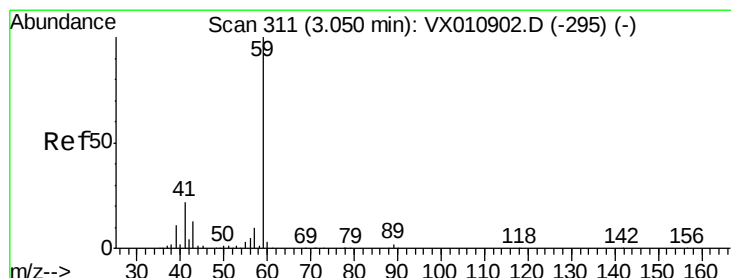
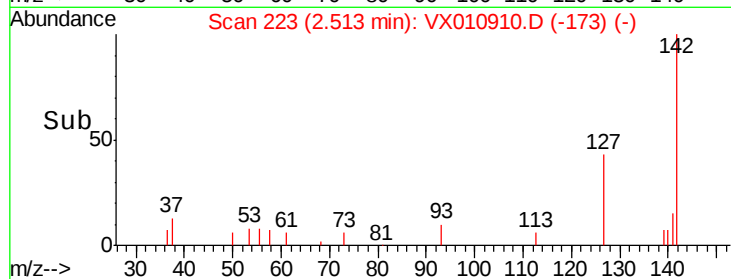
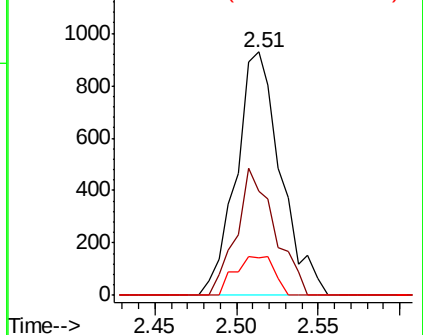
#10
Methvl Iodide
Concen: 0.691 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:142 Resp: 1764
Ion Ratio Lower Upper
142 100
127 45.0 34.2 51.4
141 14.2 11.7 17.5

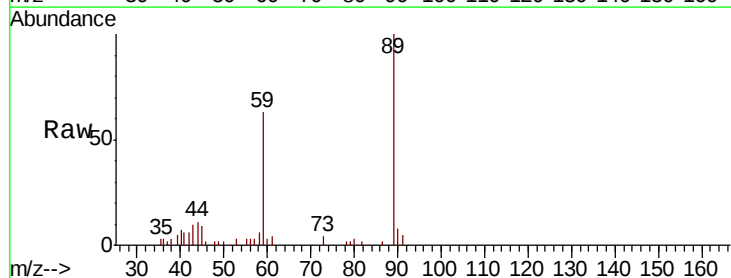


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

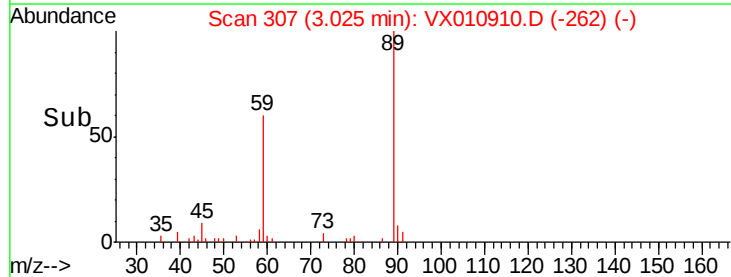
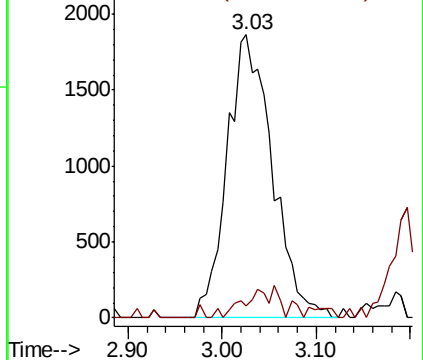


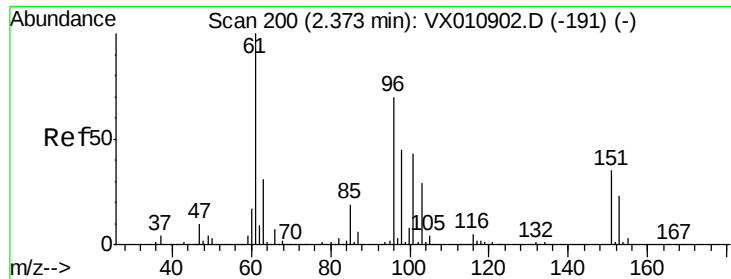
#11
Tert butyl alcohol
Concen: 11.727 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 59 Resp: 6238
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.941 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

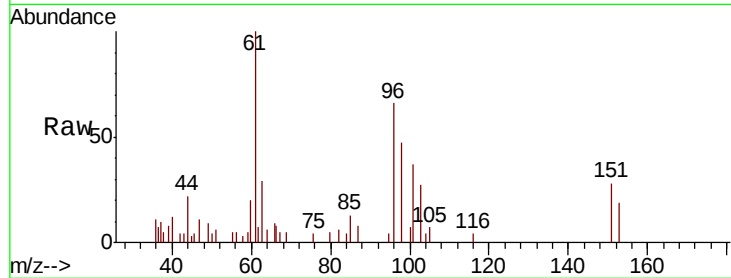
Tot Ion: 96 Resp: 1800

Ion Ratio Lower Upper

96 100

61 151.1 115.0 172.4

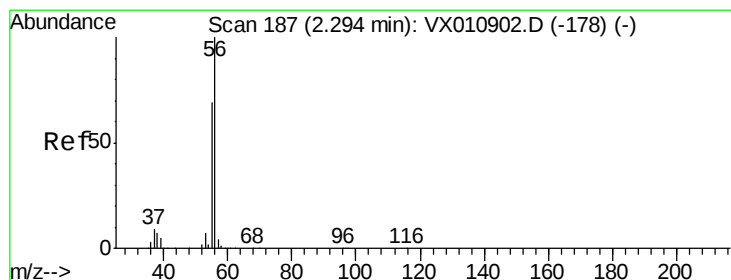
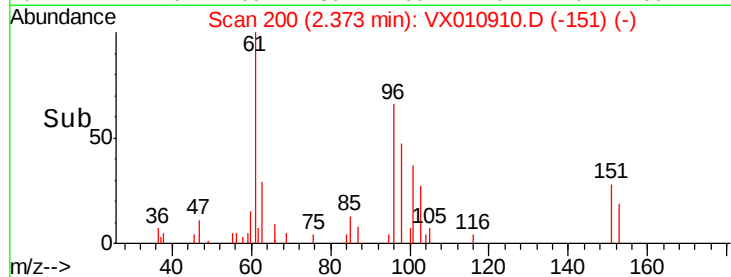
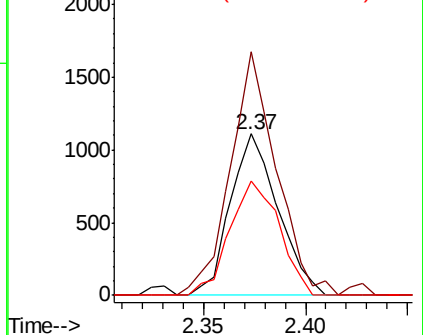
98 70.8 52.2 78.2



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



#13

Acrolein

Concen: 5.639 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010910.D

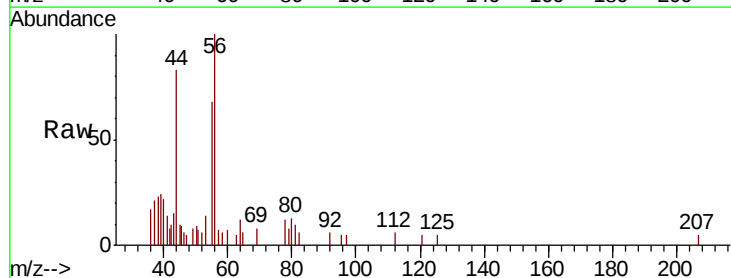
Acq: 16 Jul 2019 16:42

Tgt Ion: 56 Resp: 1733

Ion Ratio Lower Upper

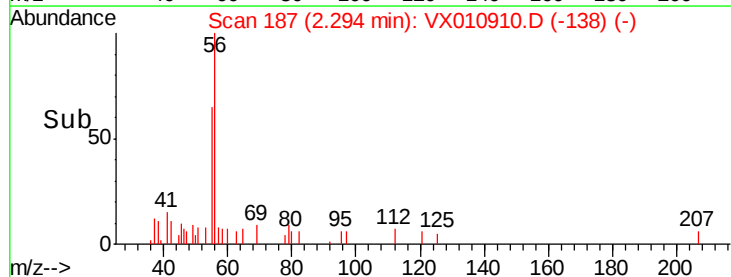
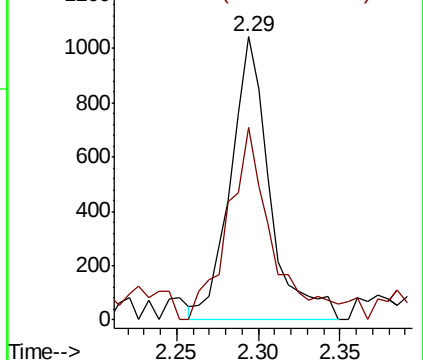
56 100

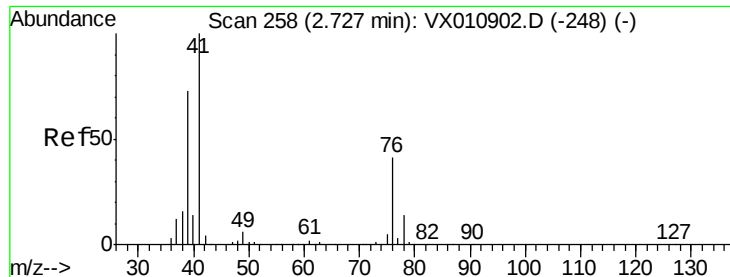
55 79.3 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

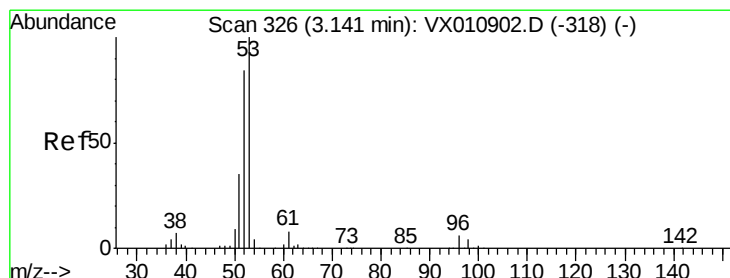
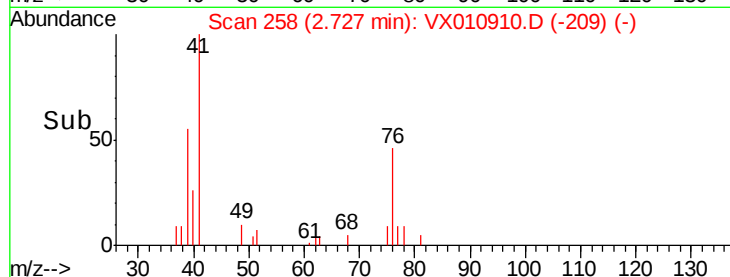
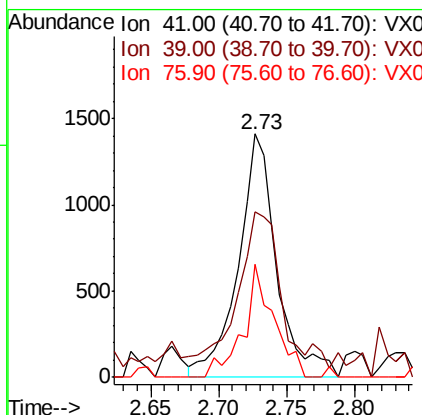
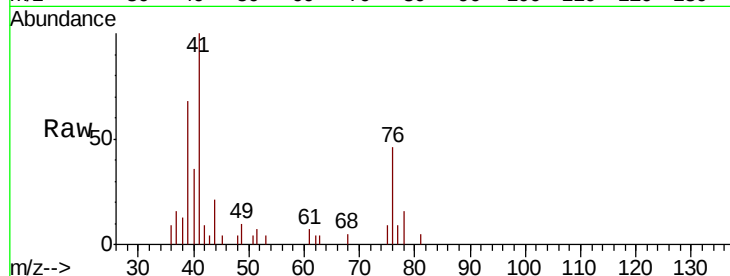




#14
 Allvl chloride
 Concen: 1.003 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

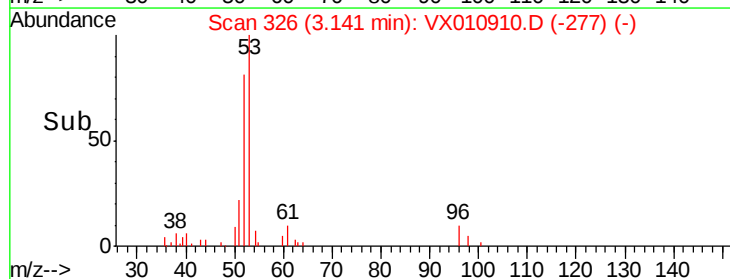
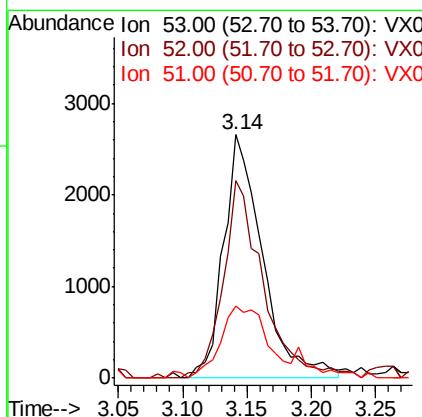
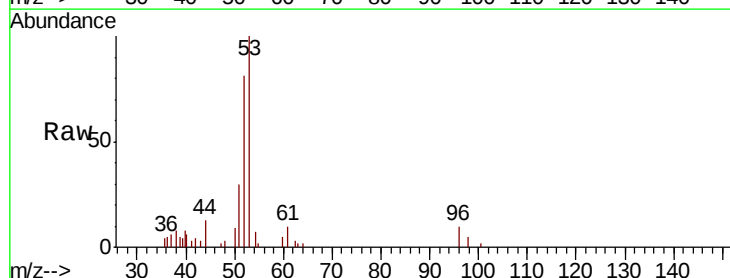
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

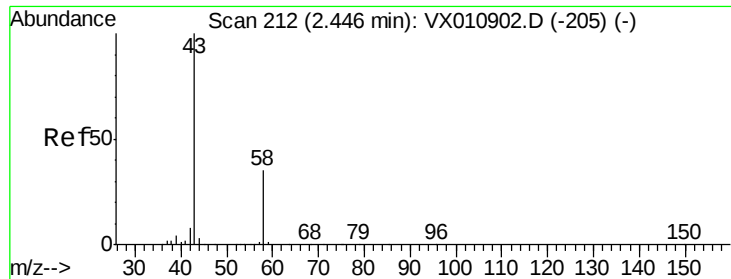
Tot Ion: 41 Resp: 2787
 Ion Ratio Lower Upper
 41 100
 39 84.3 53.6 80.4#
 76 37.0 29.7 44.5



#15
 Acrylonitrile
 Concen: 5.249 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 53 Resp: 5642
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.5 99.7
 51 34.6 28.2 42.4





#16

Acetone

Concen: 5.005 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

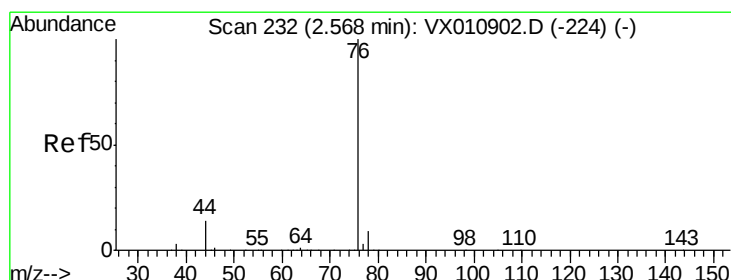
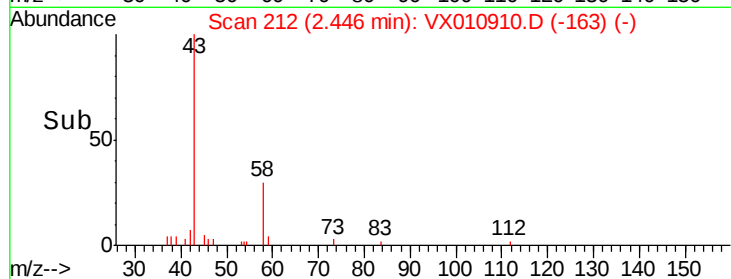
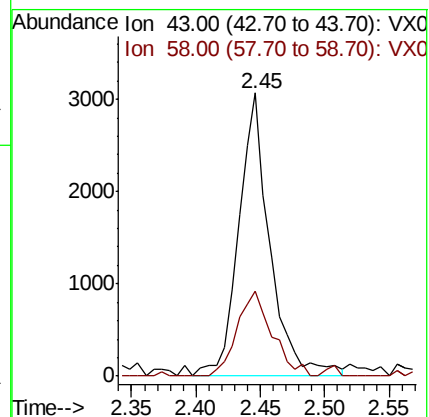
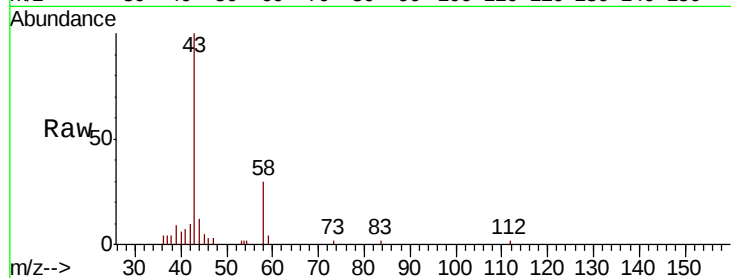
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 5163

Ion Ratio Lower Upper

43 100

58 29.9 27.7 41.5



#17

Carbon Disulfide

Concen: 0.982 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010910.D

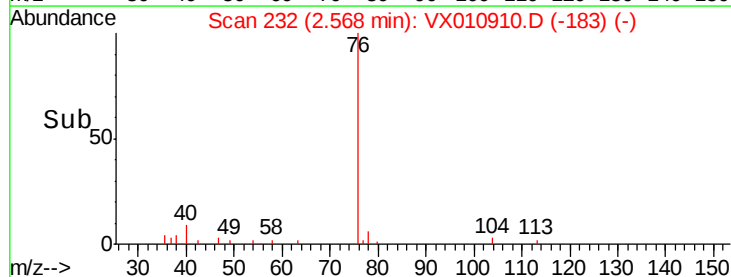
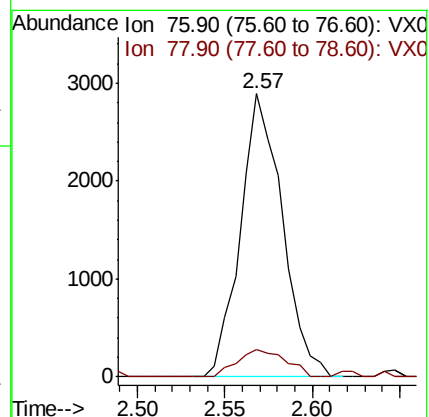
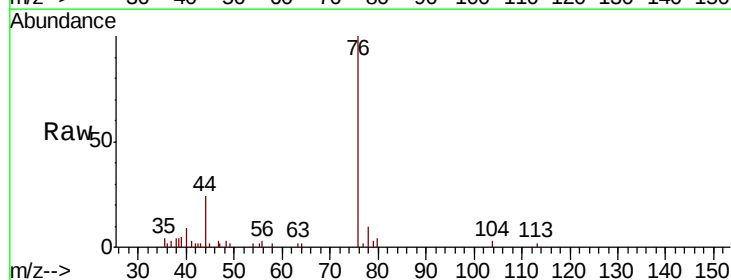
Acq: 16 Jul 2019 16:42

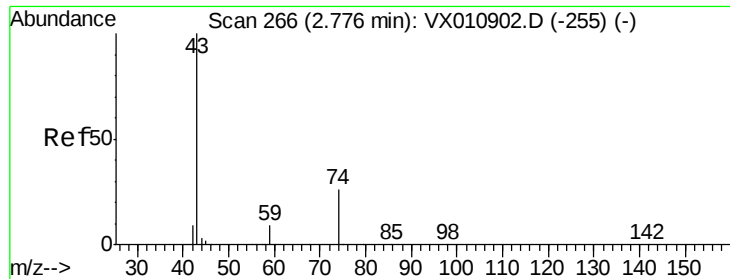
Tgt Ion: 76 Resp: 4818

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

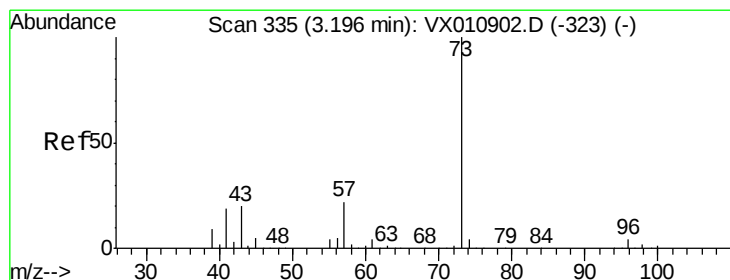
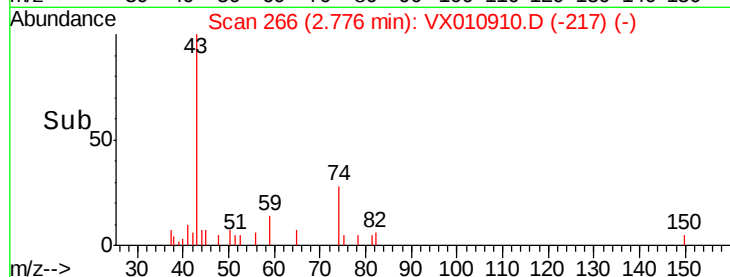
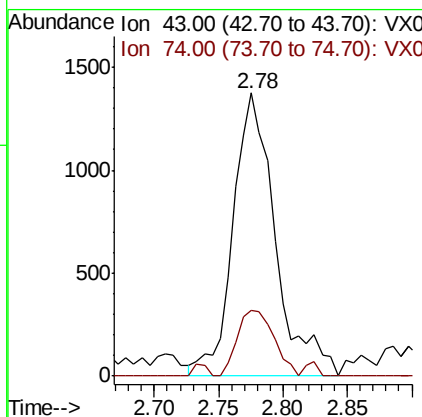
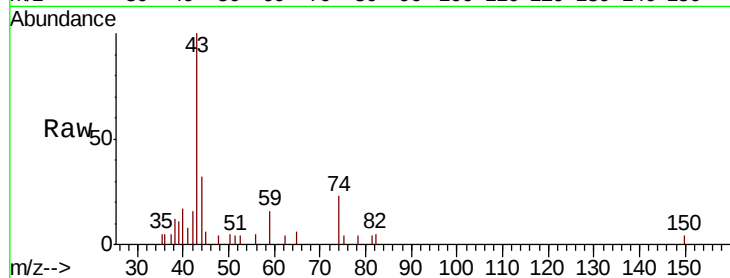




#18
Methvl Acetate
Concen: 1.337 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

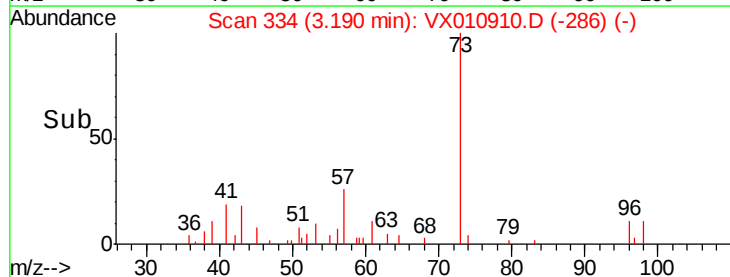
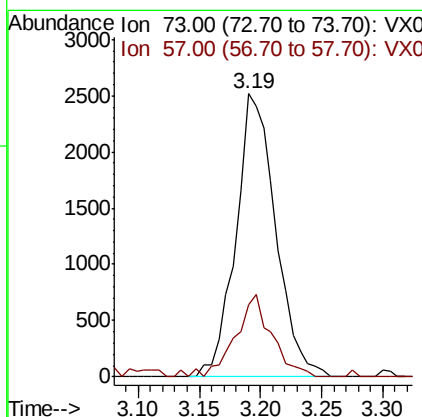
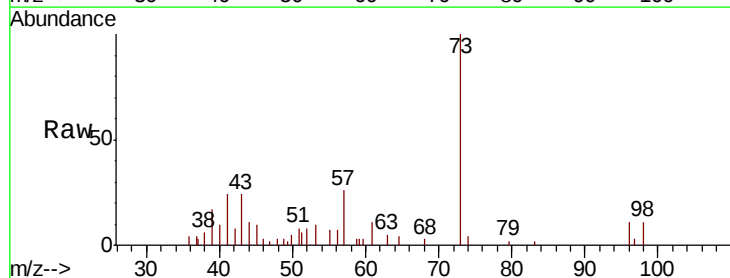
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

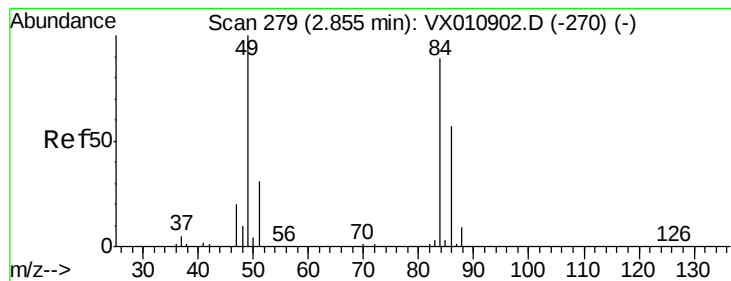
Tot Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
74 20.1 21.5 32.3#



#19
Methyl tert-butyl Ether
Concen: 0.924 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 73 Resp: 5687
Ion Ratio Lower Upper
73 100
57 25.6 17.3 25.9





#20

Methylene Chloride

Concen: 1.227 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 84 Resp: 2682

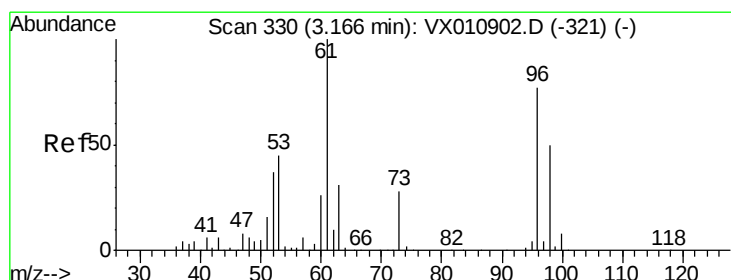
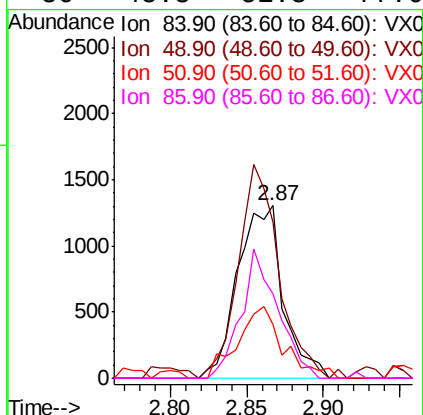
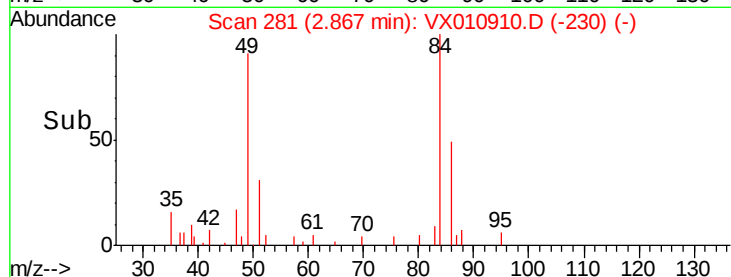
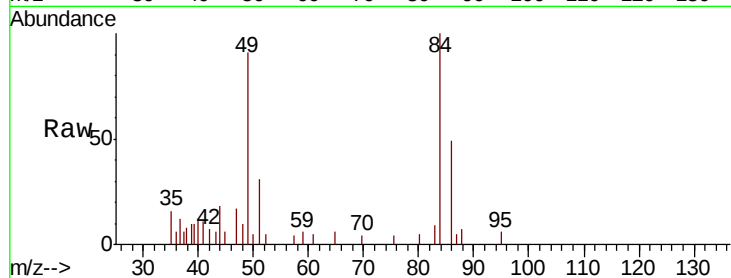
Ion Ratio Lower Upper

84 100

49 86.4 89.9 134.9#

51 31.2 27.8 41.6

86 48.8 51.8 77.6#



#21

trans-1,2-Dichloroethene

Concen: 0.950 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

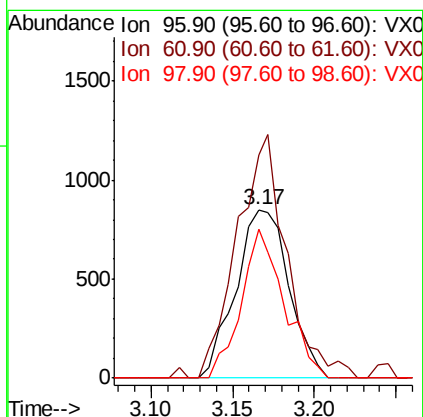
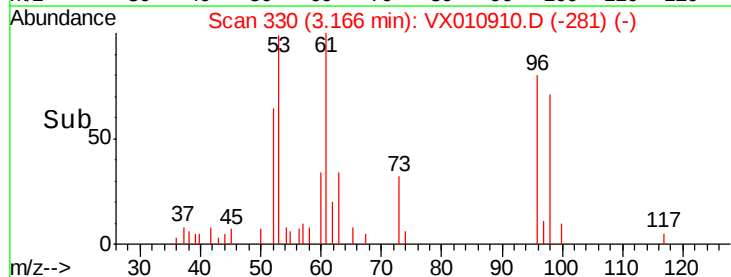
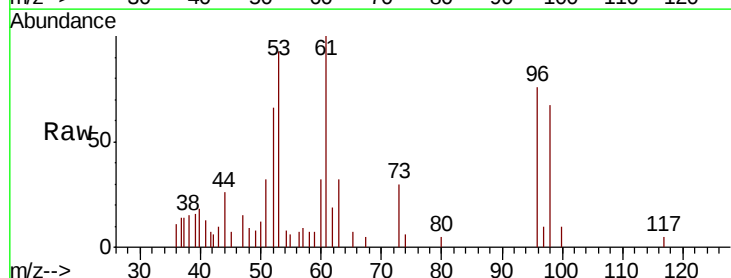
Tgt Ion: 96 Resp: 1927

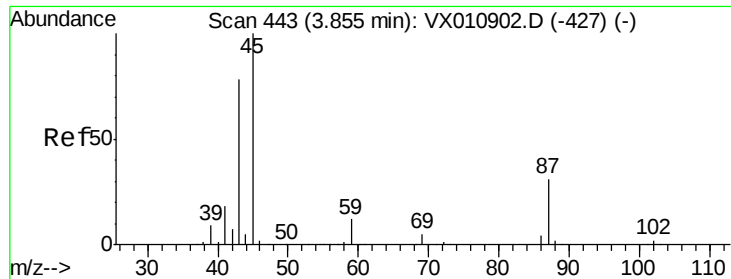
Ion Ratio Lower Upper

96 100

61 132.1 104.2 156.2

98 88.4 52.2 78.4#





#22

Diisopropyl ether

Concen: 1.039 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 45 Resp: 6088

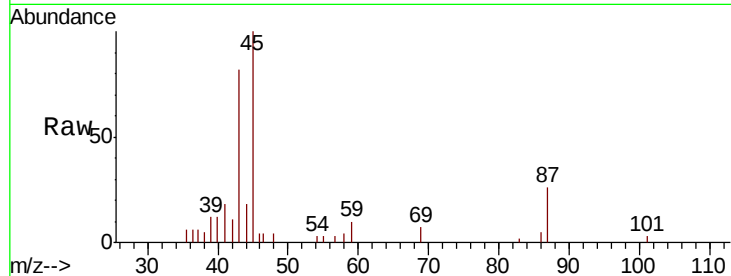
Ion Ratio Lower Upper

45 100

43 75.6 62.3 93.5

87 26.2 25.0 37.4

59 10.0 9.9 14.9

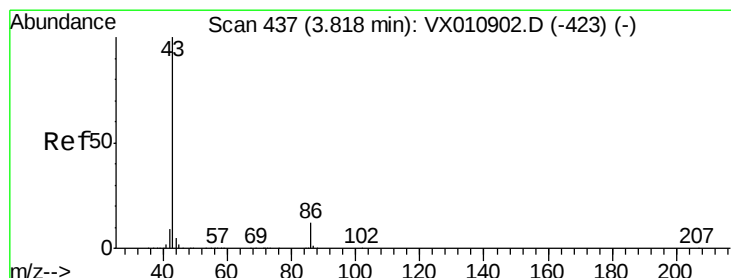
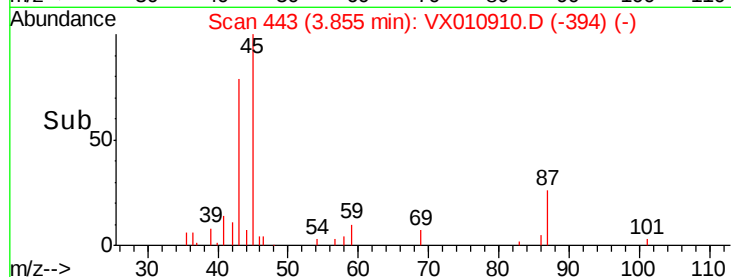
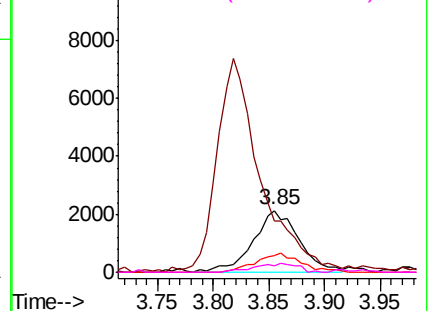


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 4.062 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010910.D

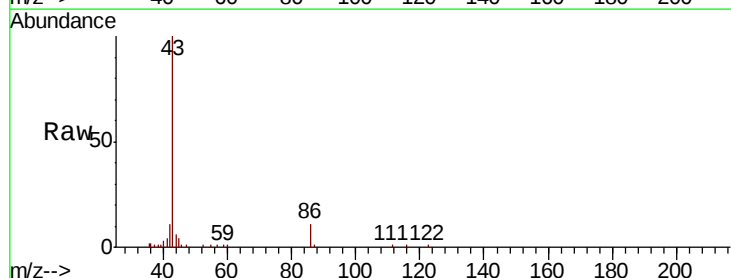
Acq: 16 Jul 2019 16:42

Tgt Ion: 43 Resp: 20162

Ion Ratio Lower Upper

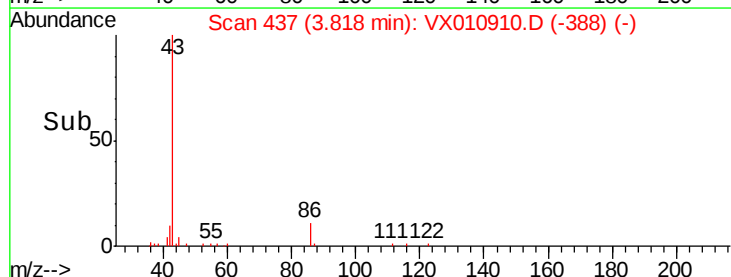
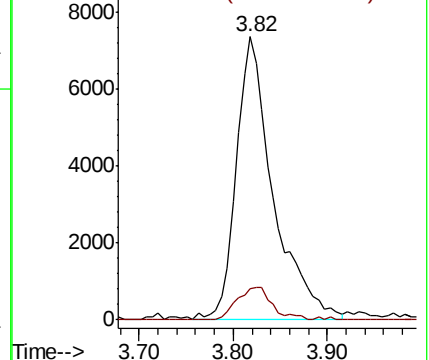
43 100

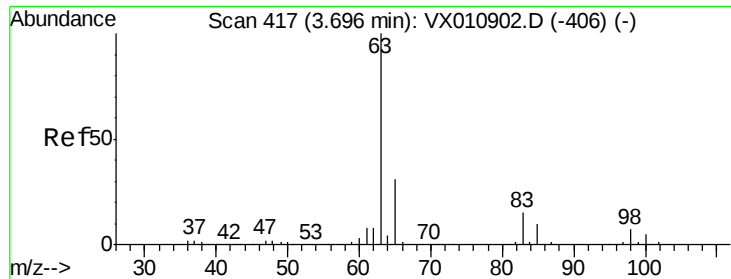
86 10.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 1.025 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

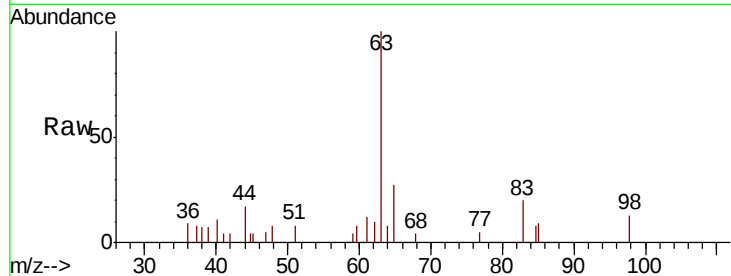
Tot Ion: 63 Resp: 3489

Ion Ratio Lower Upper

63 100

98 13.1 3.6 10.9#

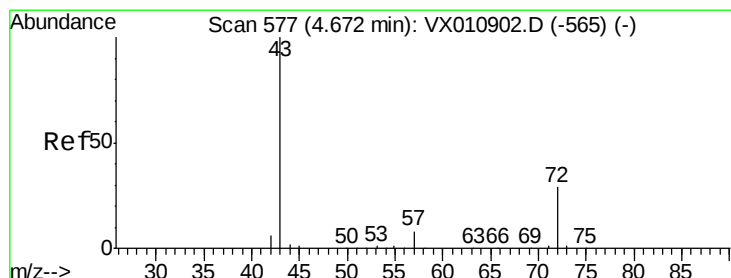
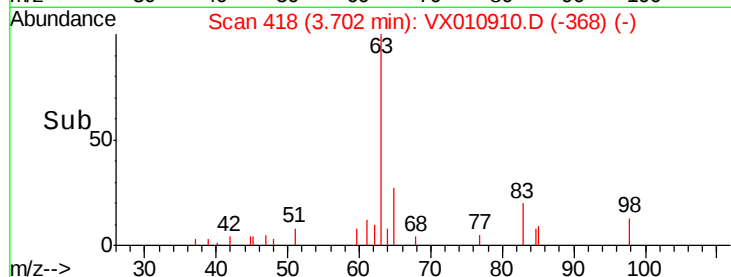
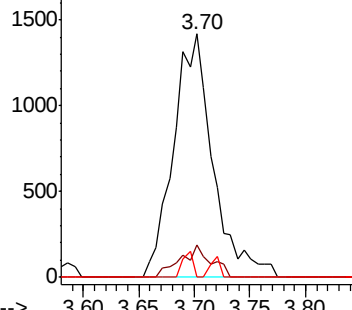
100 0.0 2.4 7.2#



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: 4.696 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010910.D

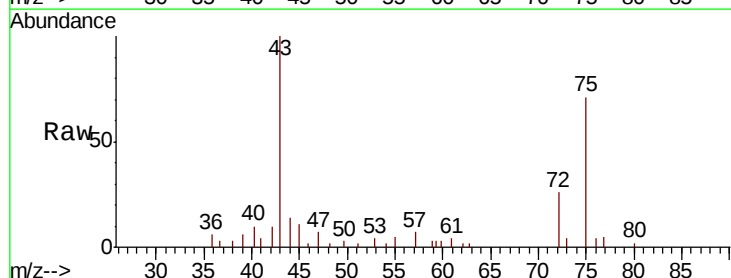
Acq: 16 Jul 2019 16:42

Tgt Ion: 43 Resp: 6955

Ion Ratio Lower Upper

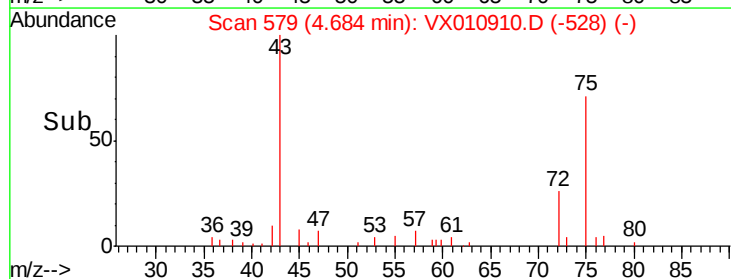
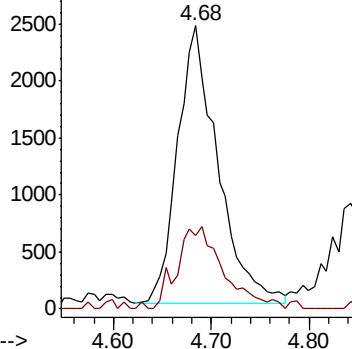
43 100

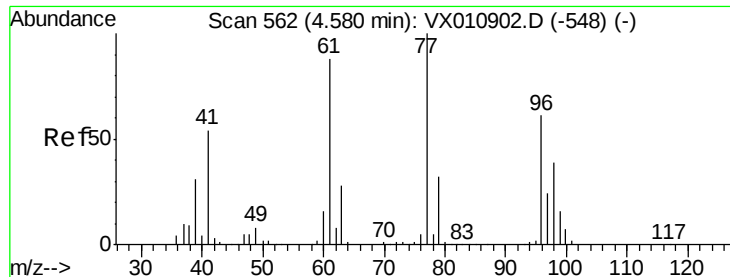
72 26.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.954 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

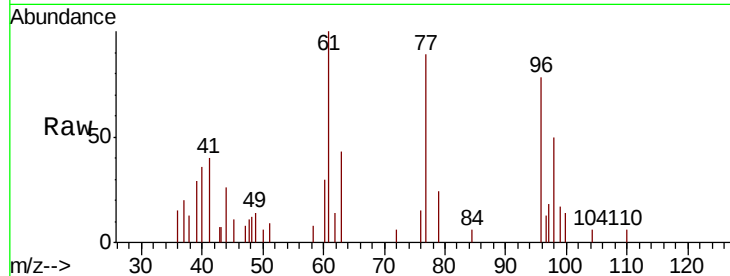
LOQ-WATER-02-QT3-2019

Tot Ion: 77 Resp: 2666

Ion Ratio Lower Upper

77 100

97 24.7 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

800

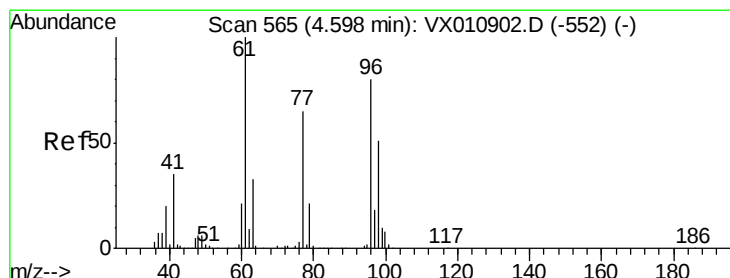
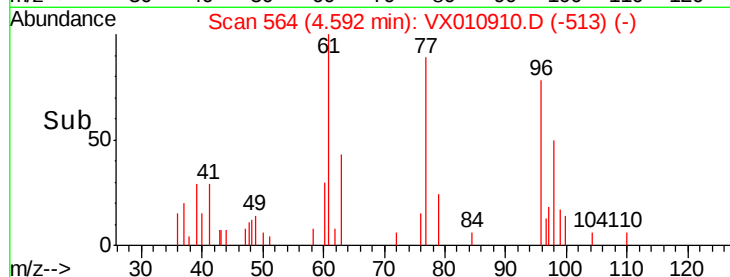
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.033 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

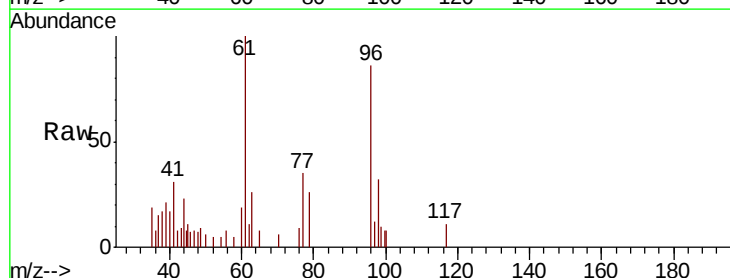
Tgt Ion: 96 Resp: 2425

Ion Ratio Lower Upper

96 100

61 145.0 0.0 269.0

98 45.7 0.0 131.4



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

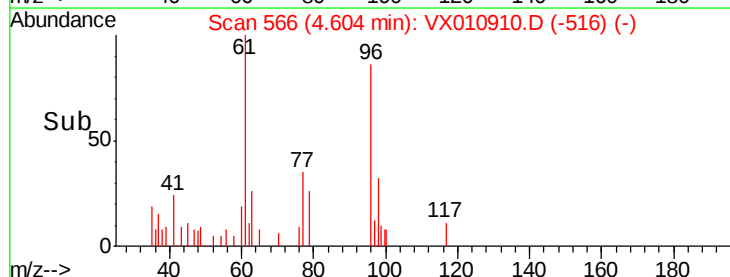
1500

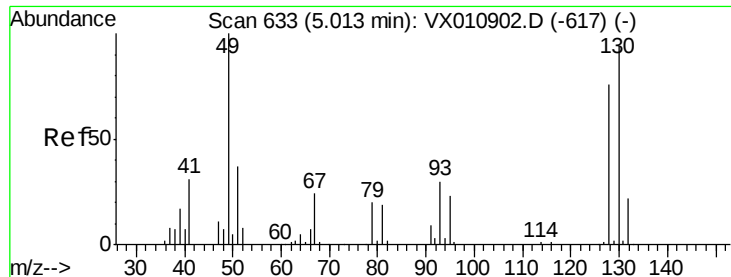
1000

500

0

Time-->





#28

Bromochloromethane

Concen: 1.366 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

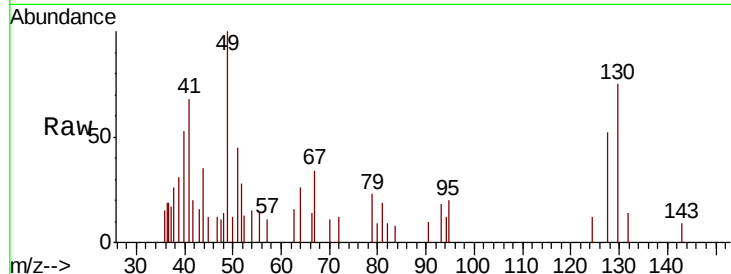
Tot Ion: 49 Resp: 2191

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

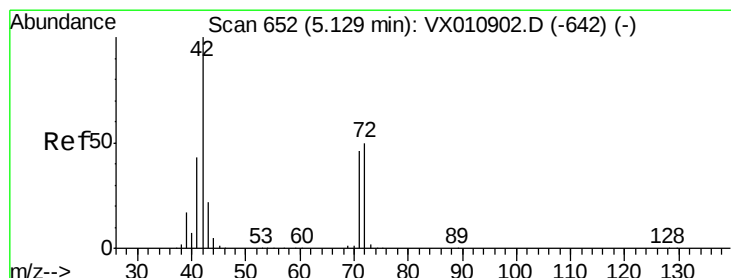
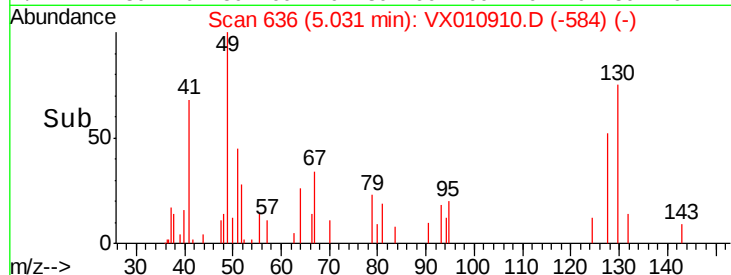
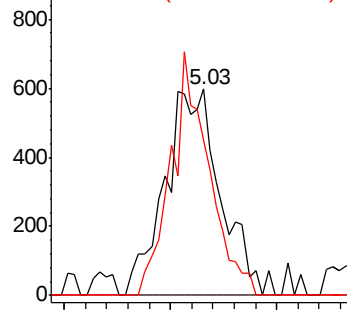
130 80.1 76.9 115.3



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 5.296 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

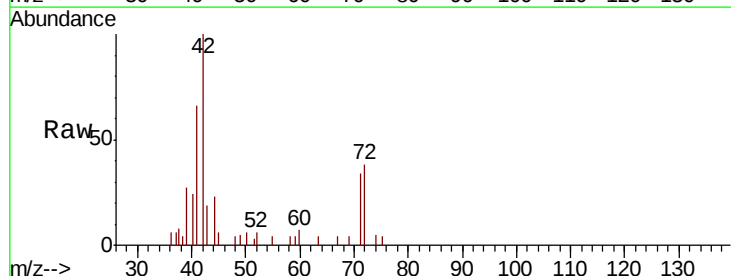
Tgt Ion: 42 Resp: 4968

Ion Ratio Lower Upper

42 100

72 46.9 39.8 59.8

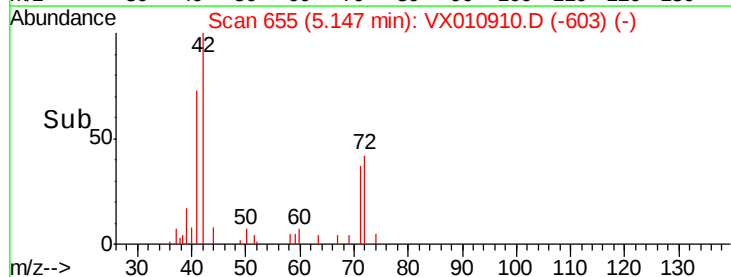
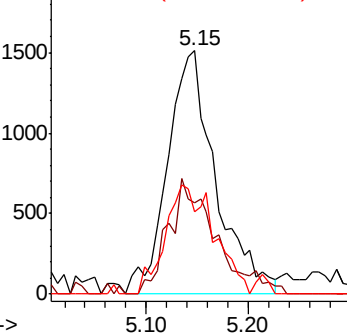
71 45.4 37.0 55.4

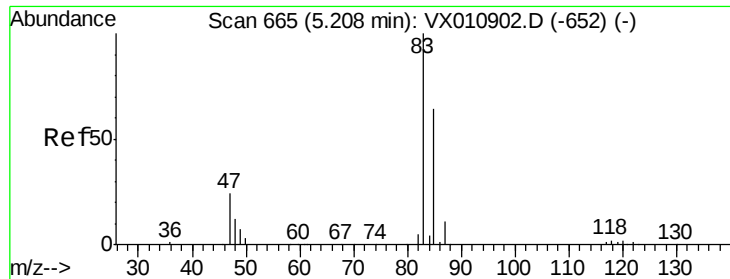


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

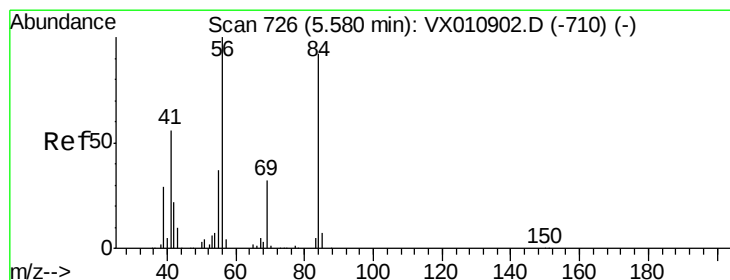
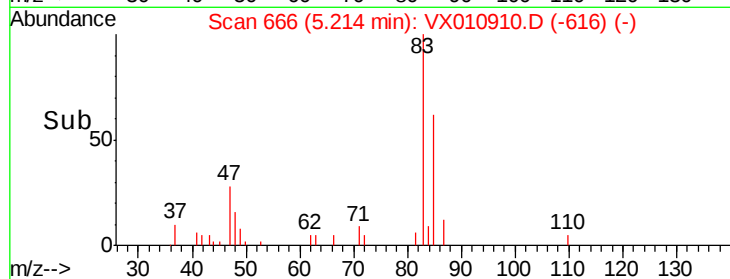
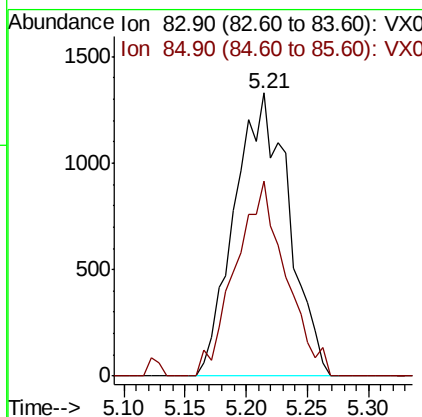
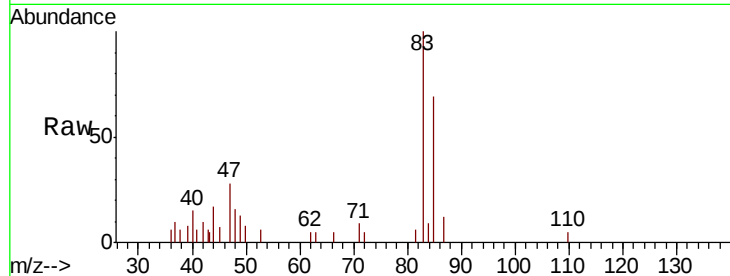




#30
Chloroform
Concen: 1.118 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

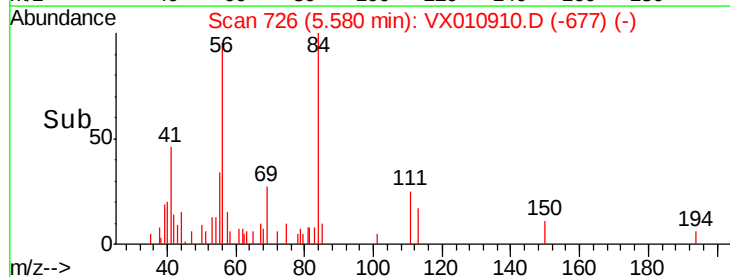
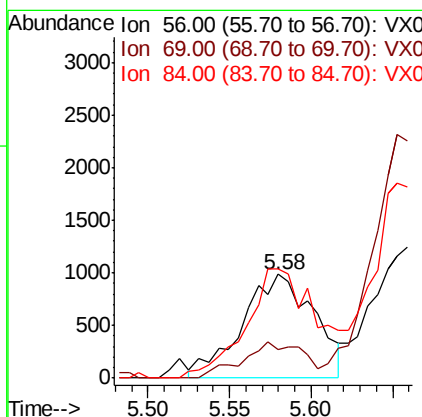
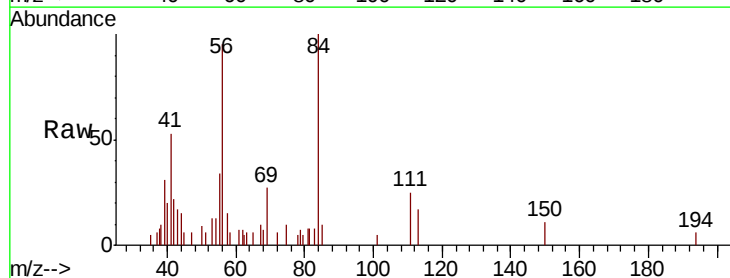
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

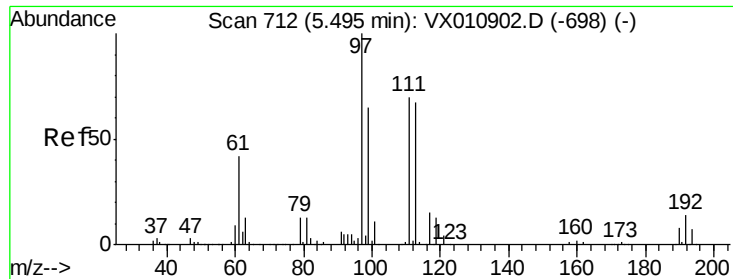
Tot Ion: 83 Resp: 4110
Ion Ratio Lower Upper
83 100
85 69.0 51.4 77.0



#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 30.6 25.8 38.8
84 107.7 73.8 110.6





#32

1,1,1-Trichloroethane

Concen: 0.948 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

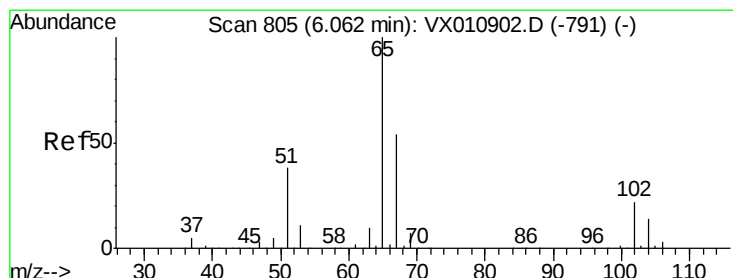
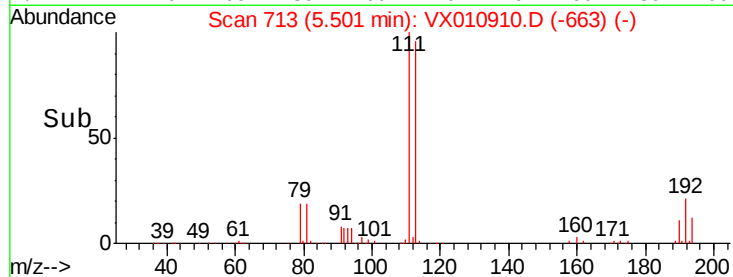
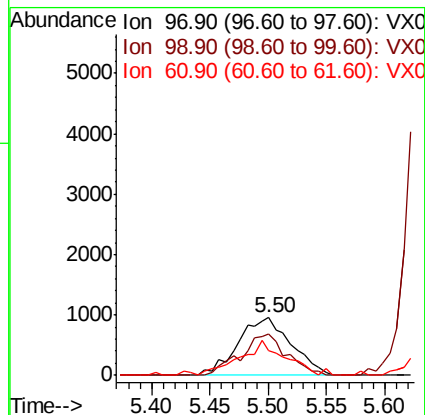
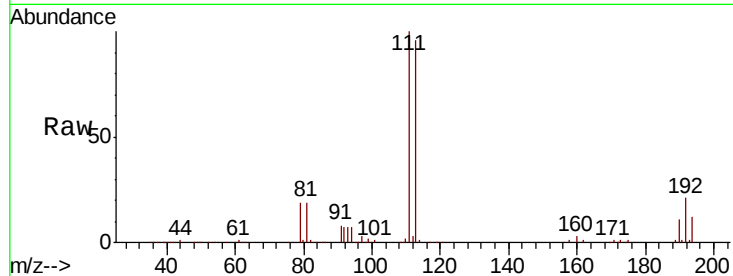
Tot Ion: 97 Resp: 3015

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 50.0 33.0 49.6#



#33

1,2-Dichloroethane-d4

Concen: 48.518 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010910.D

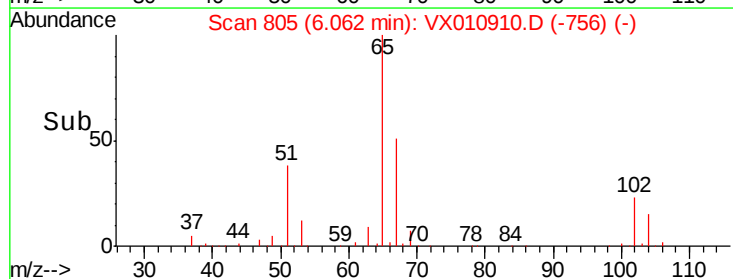
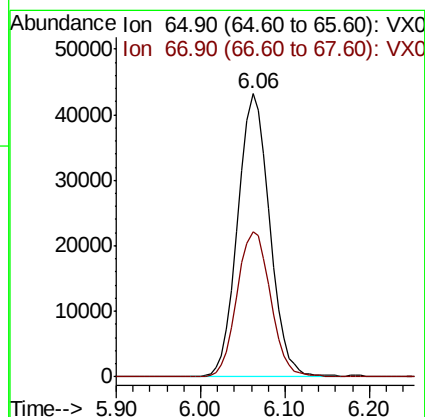
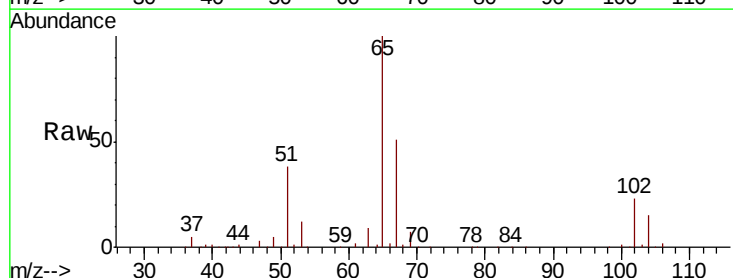
Acq: 16 Jul 2019 16:42

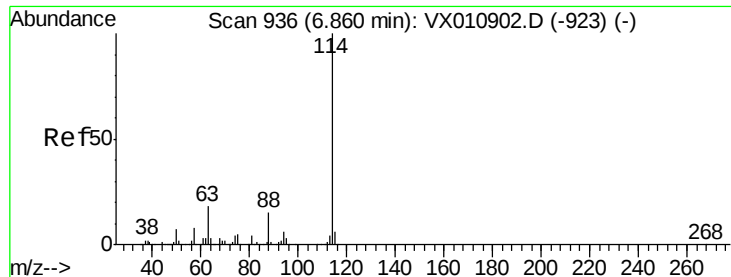
Tgt Ion: 65 Resp: 110822

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

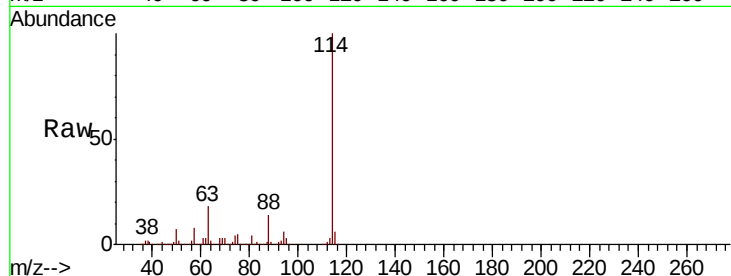
Tot Ion:114 Resp: 324898

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

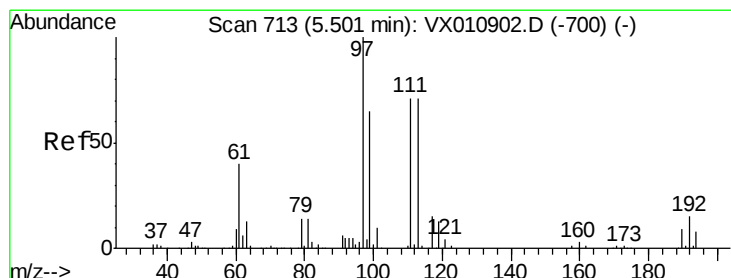
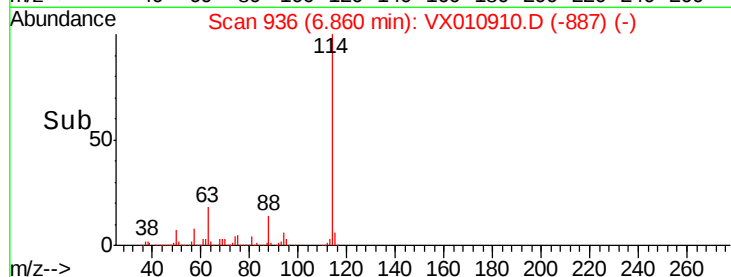
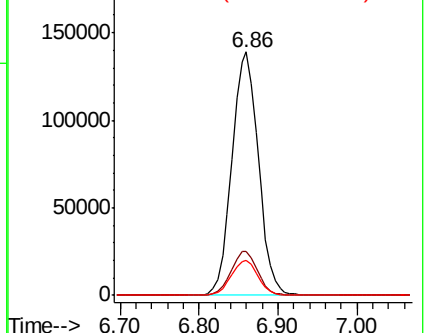
88 14.1 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.006 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

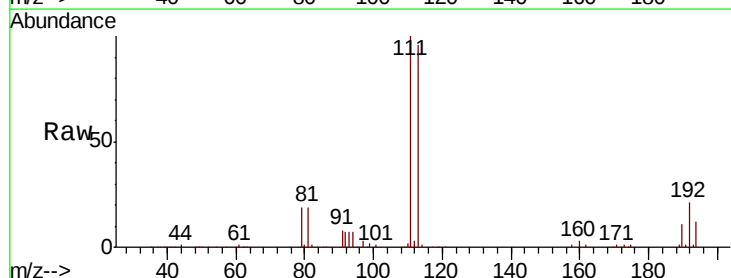
Tgt Ion:113 Resp: 96935

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

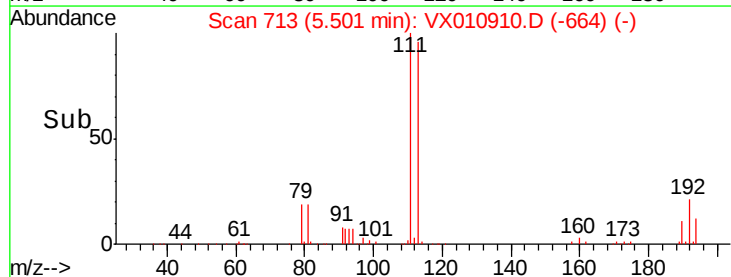
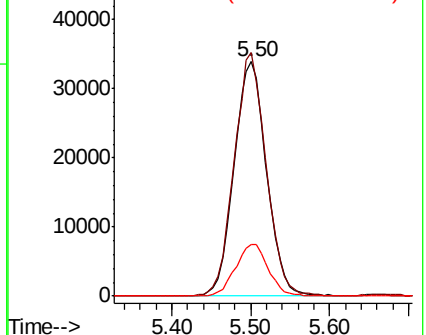
192 22.4 17.4 26.2

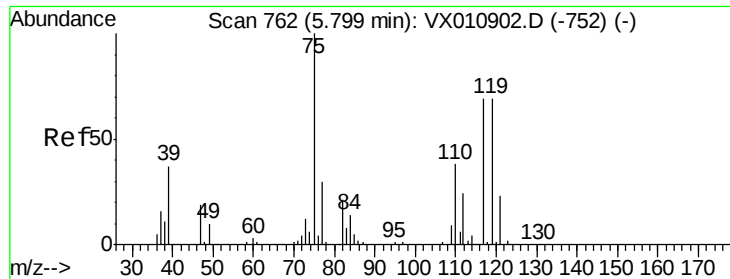


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

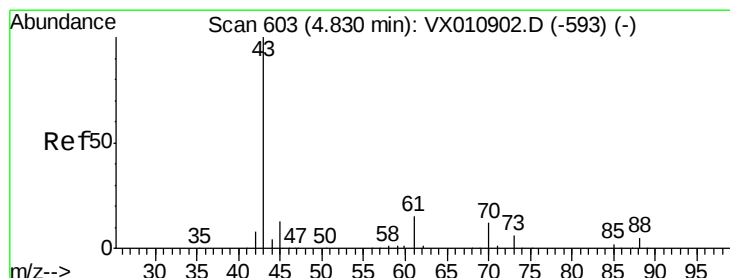
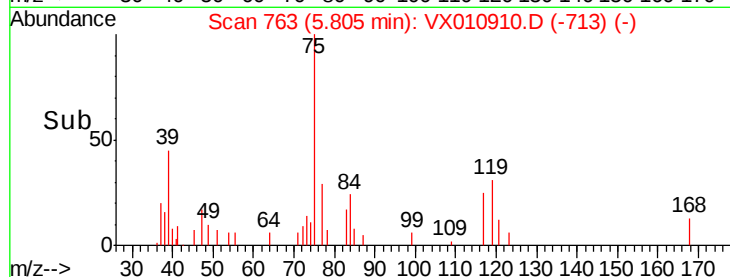
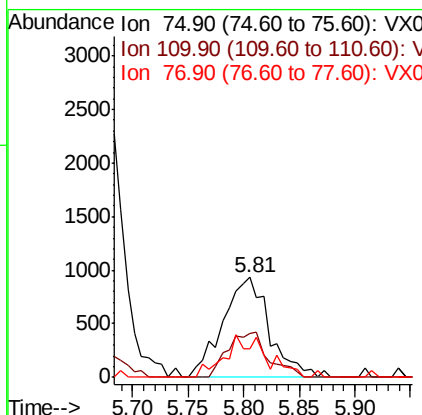
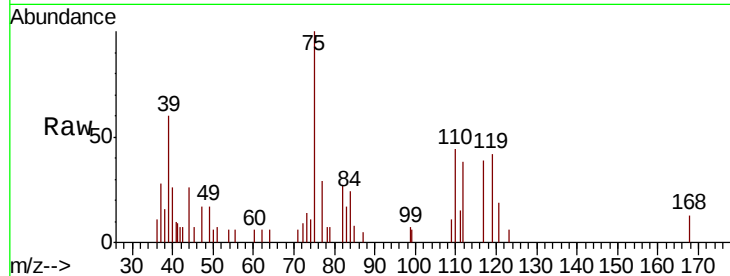




#36
 1,1-Dichloropropene
 Concen: 1.020 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

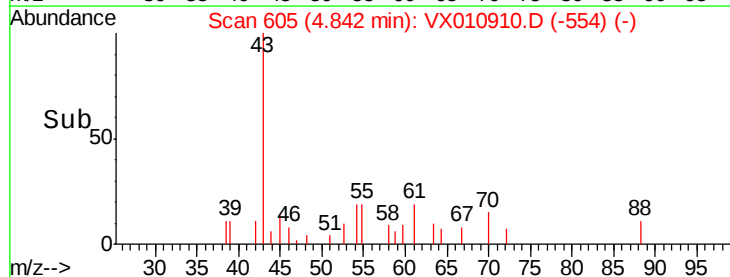
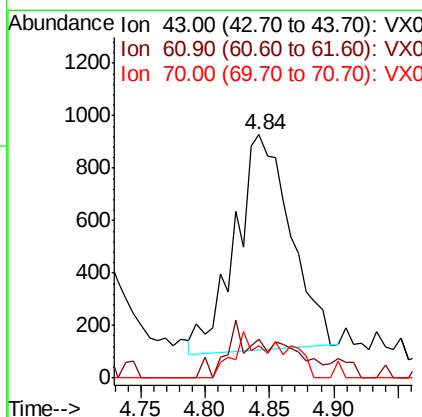
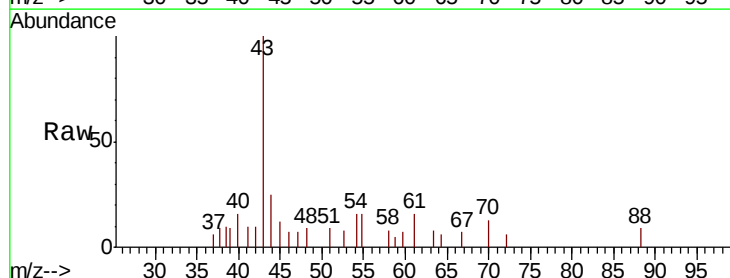
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

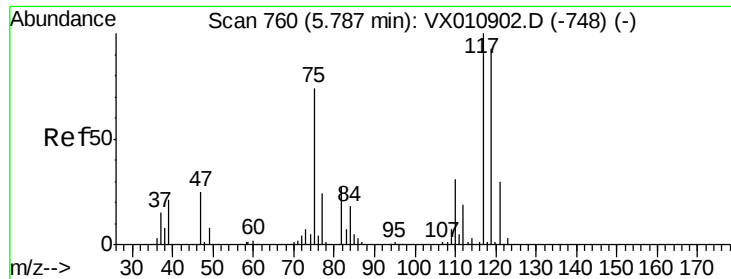
Tot Ion: 75 Resp: 2721
 Ion Ratio Lower Upper
 75 100
 110 39.2 19.9 59.7
 77 30.5 25.0 37.4



#37
 Ethyl Acetate
 Concen: 0.892 ug/l
 RT: 4.84 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 43 Resp: 2437
 Ion Ratio Lower Upper
 43 100
 61 10.3 11.6 17.4#
 70 10.6 9.1 13.7

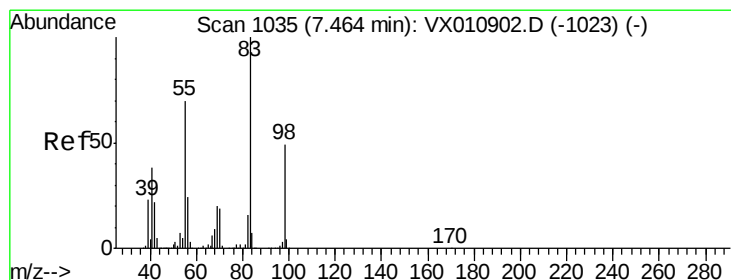
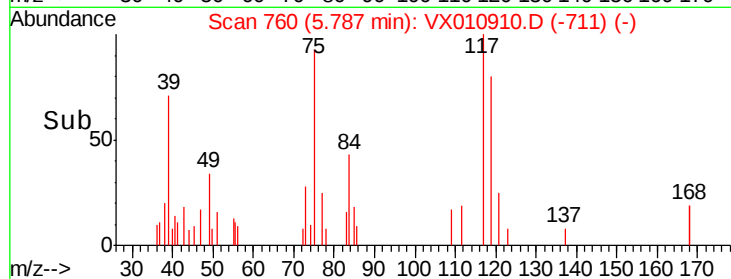
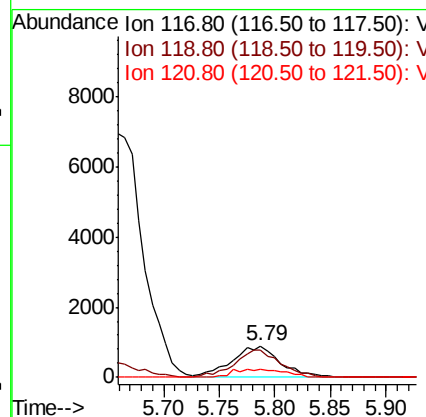
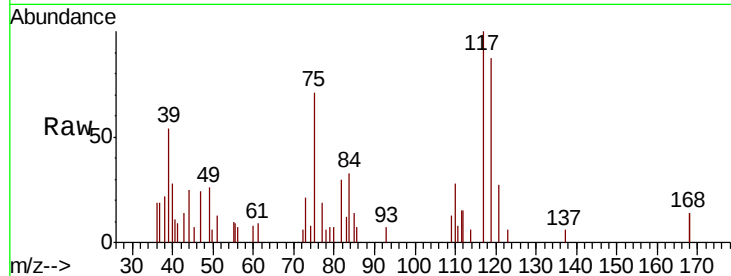




#38
Carbon Tetrachloride
Concen: 0.972 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

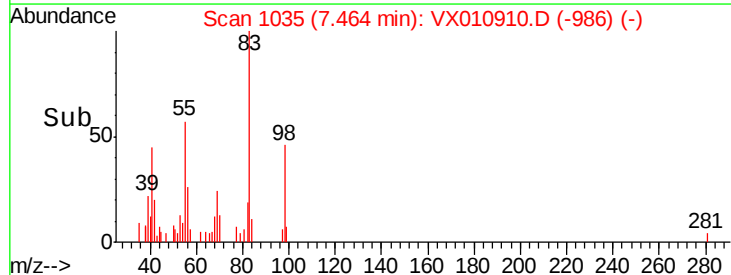
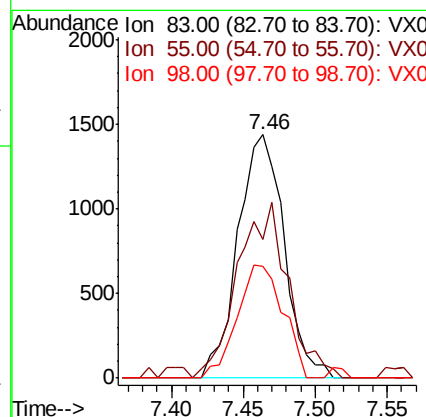
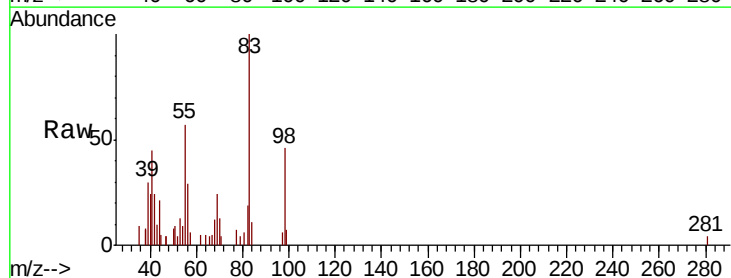
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

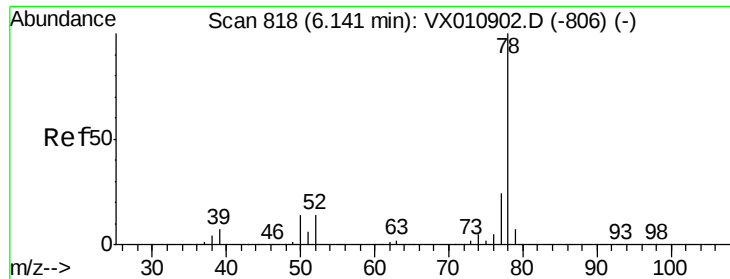
Tot Ion:117 Resp: 2703
Ion Ratio Lower Upper
117 100
119 86.6 74.2 111.2
121 27.2 24.2 36.2



#39
Methylcyclohexane
Concen: 0.927 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 83 Resp: 3208
Ion Ratio Lower Upper
83 100
55 56.7 56.2 84.4
98 46.0 39.0 58.4





#40

Benzene

Concen: 0.937 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

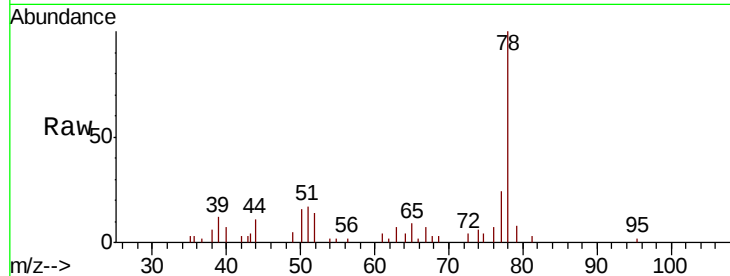
LOQ-WATER-02-QT3-2019

Tot Ion: 78 Resp: 7656

Ion Ratio Lower Upper

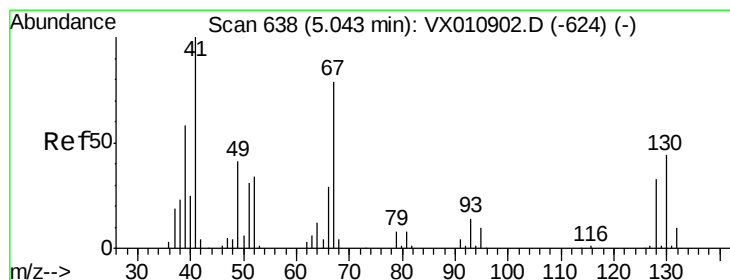
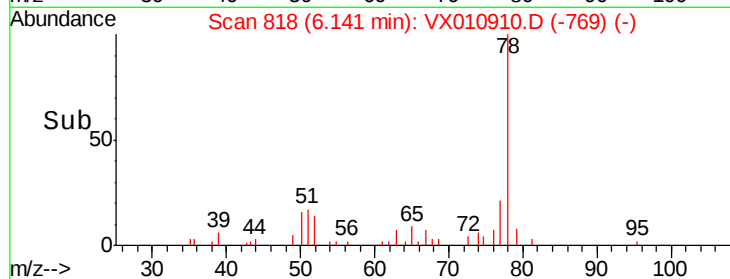
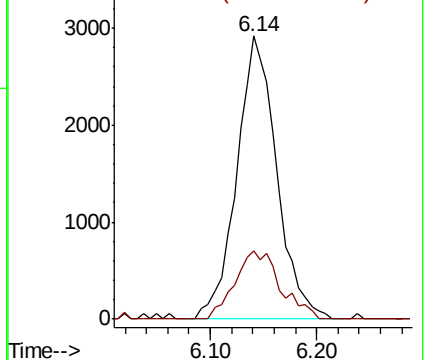
78 100

77 24.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.331 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion: 41 Resp: 514

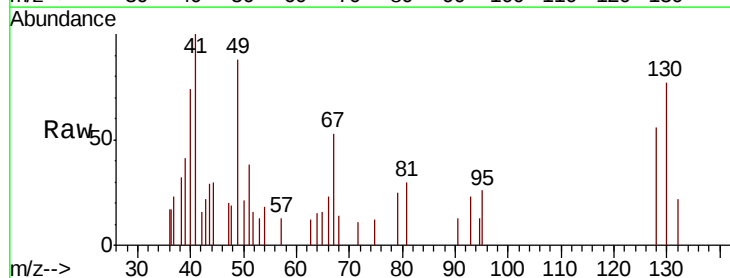
Ion Ratio Lower Upper

41 100

39 24.1 45.4 68.2#

67 205.3 65.9 98.9#

52 50.4 26.2 39.2#

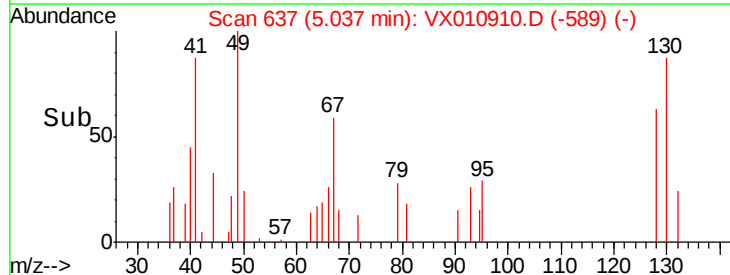
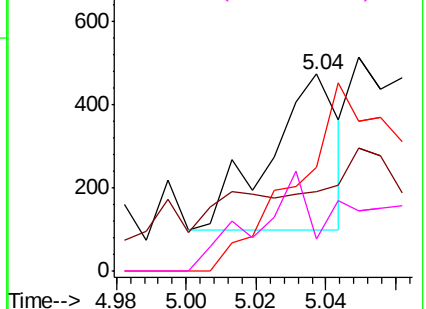


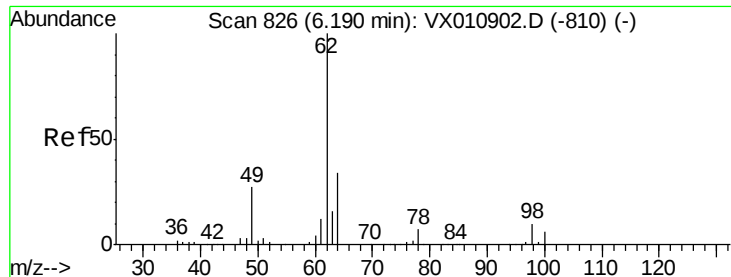
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 1.057 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

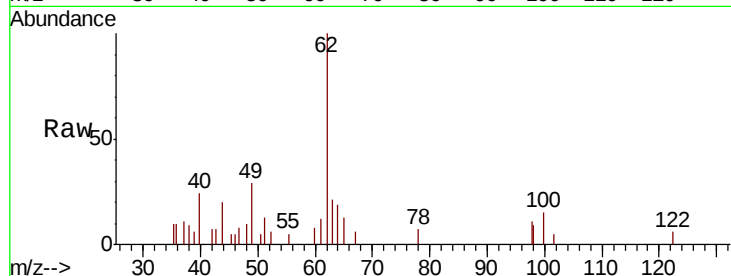
LOQ-WATER-02-QT3-2019

Tot Ion: 62 Resp: 3003

Ion Ratio Lower Upper

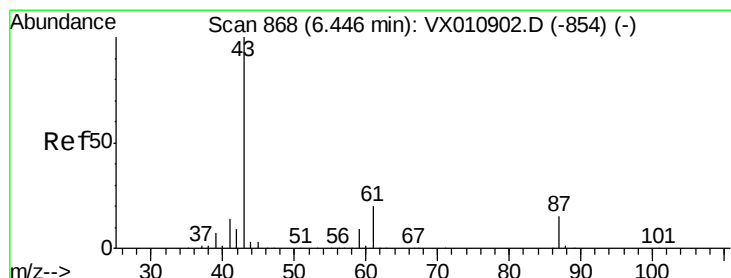
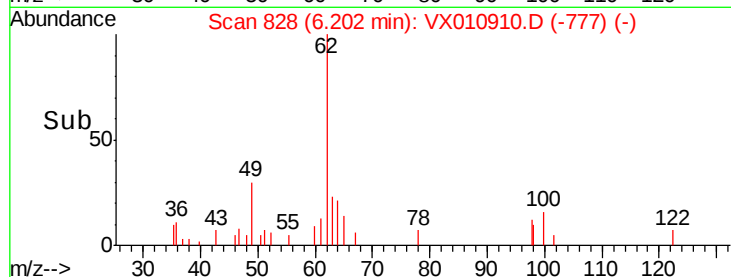
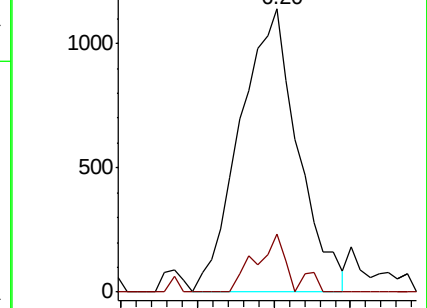
62 100

98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.989 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

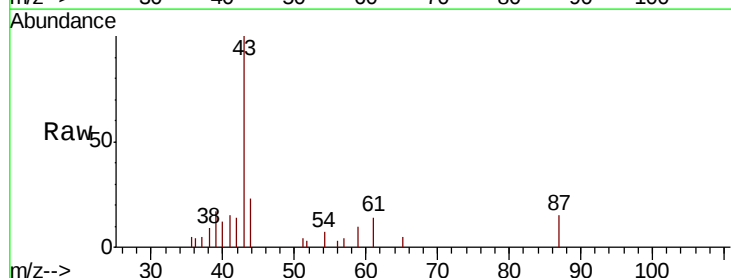
Tgt Ion: 43 Resp: 4442

Ion Ratio Lower Upper

43 100

61 6.8 17.1 25.7#

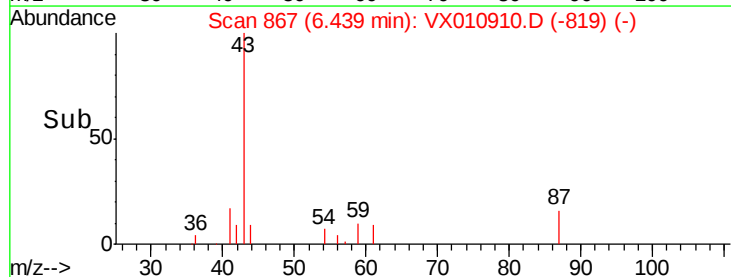
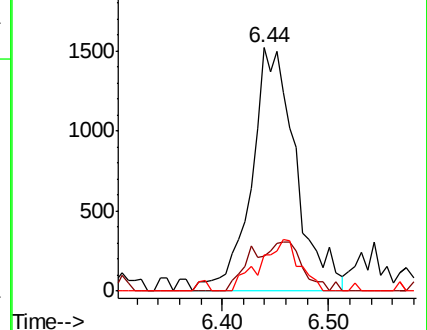
87 0.0 12.0 18.0#

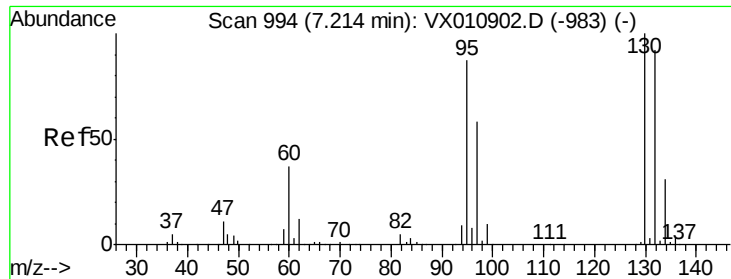


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

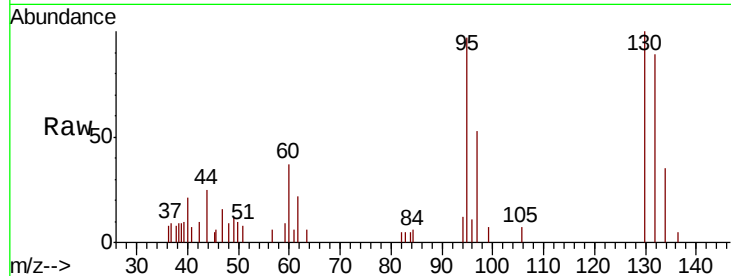




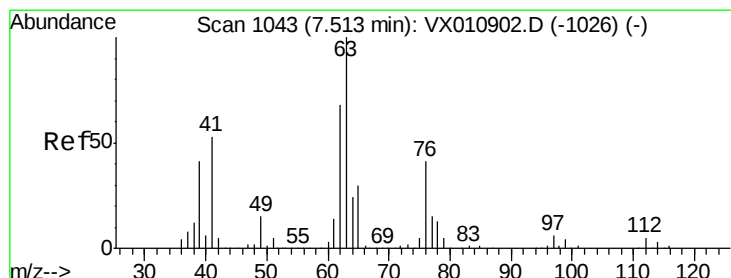
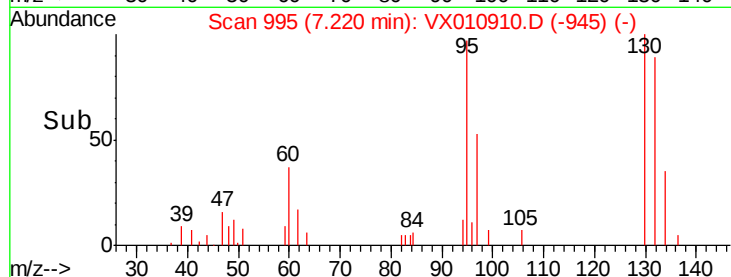
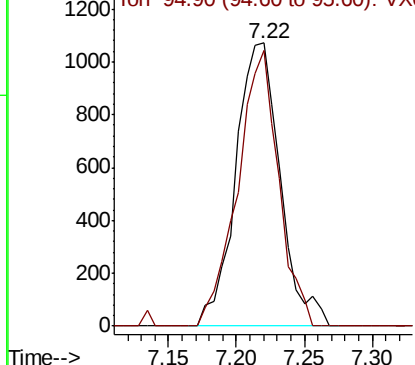
#44
 Trichloroethene
 Concen: 1.011 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion:130 Resp: 2447
 Ion Ratio Lower Upper
 130 100
 95 97.5 0.0 174.8

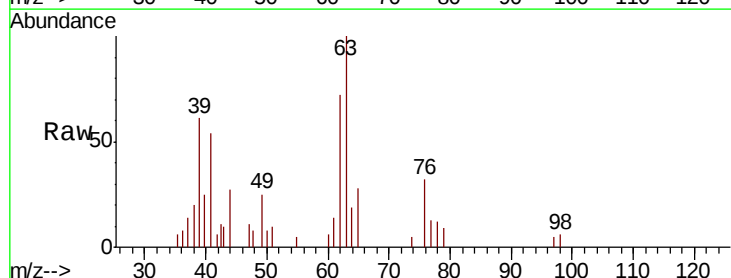


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

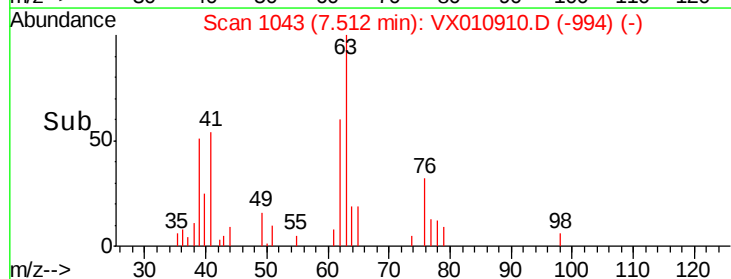
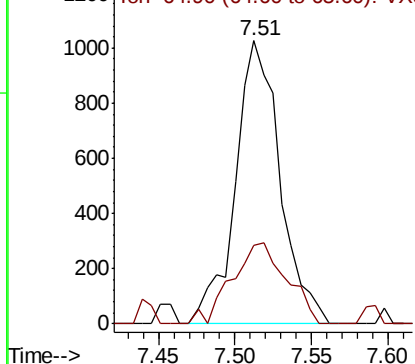


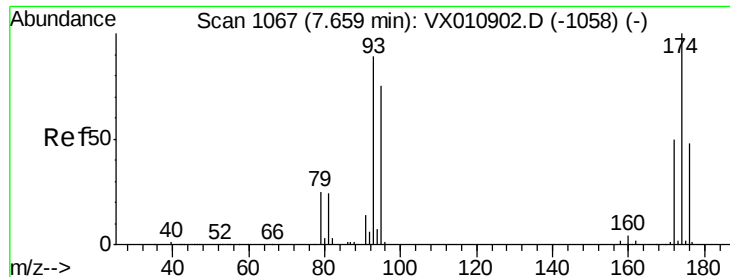
#45
 1,2-Dichloropropane
 Concen: 1.004 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 63 Resp: 2088
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0

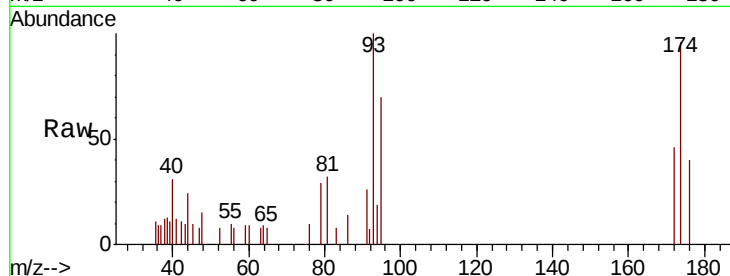




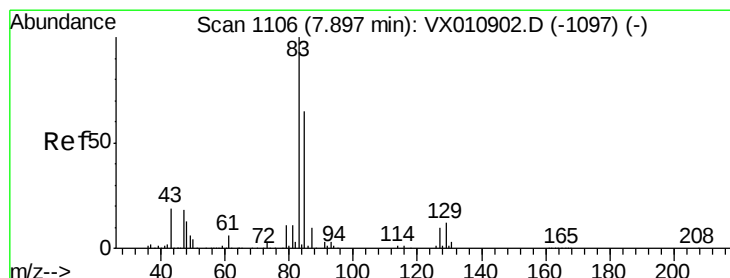
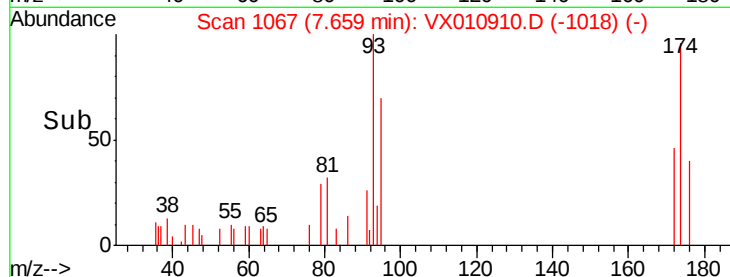
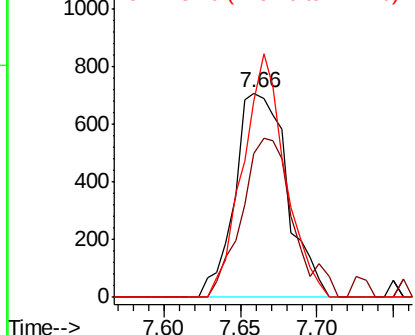
#46
Dibromomethane
Concen: 1.137 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion: 93 Resp: 1690
Ion Ratio Lower Upper
93 100
95 75.7 67.2 100.8
174 96.2 90.6 135.8

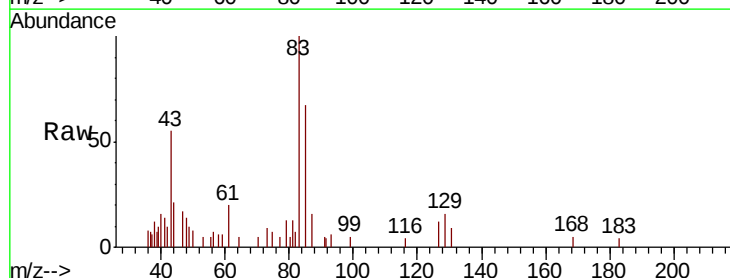


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

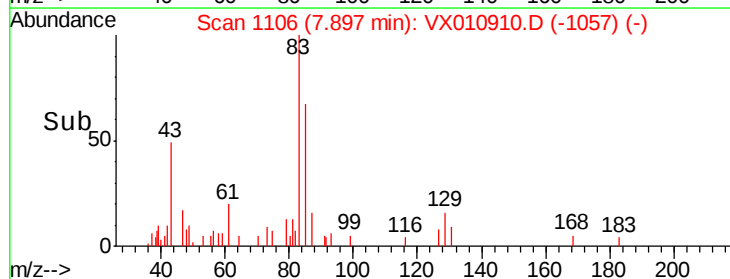
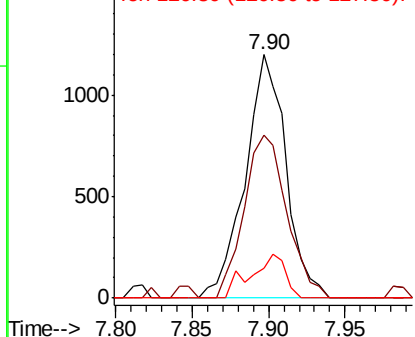


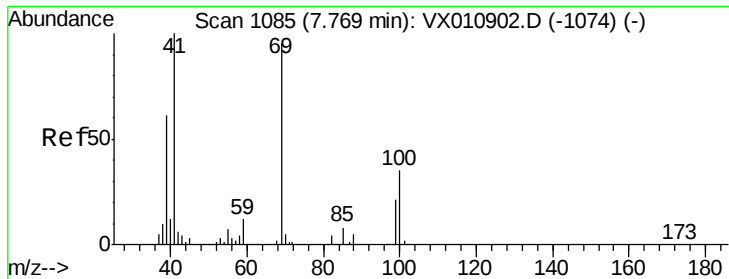
#47
Bromodichloromethane
Concen: 0.838 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 83 Resp: 2219
Ion Ratio Lower Upper
83 100
85 66.7 52.5 78.7
127 12.3 7.8 11.8#



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

Methvl methacrylate

Concen: 0.820 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

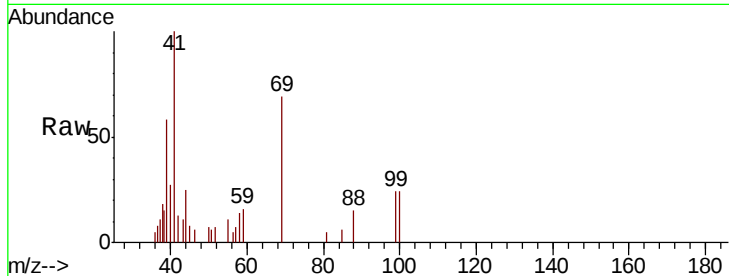
Tot Ion: 41 Resp: 1794

Ion Ratio Lower Upper

41 100

69 110.1 74.4 111.6

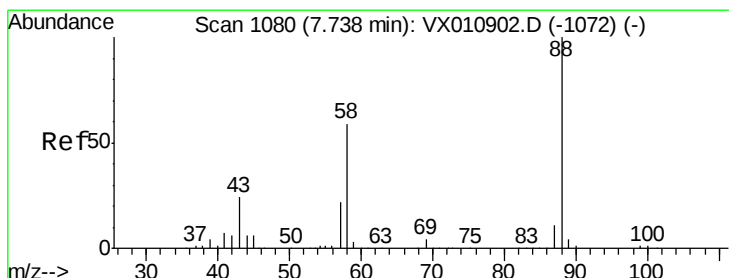
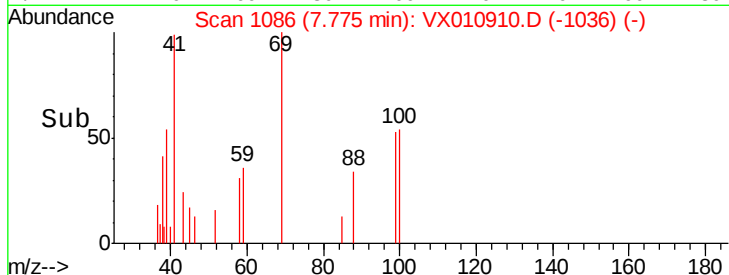
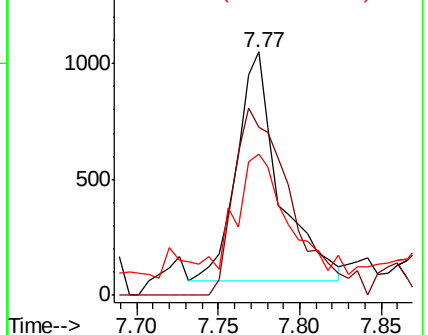
39 59.5 48.9 73.3



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: 21.166 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

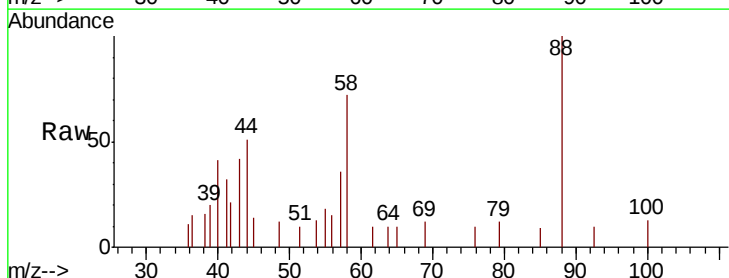
Tgt Ion: 88 Resp: 1296

Ion Ratio Lower Upper

88 100

43 45.4 22.9 34.3#

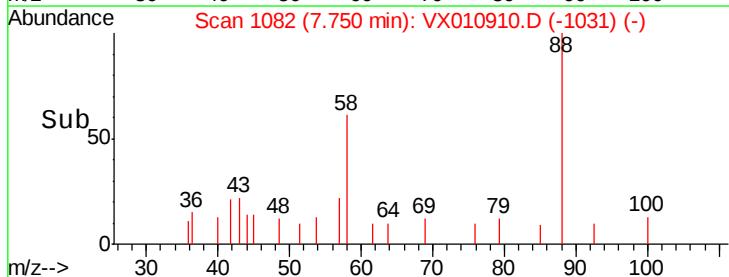
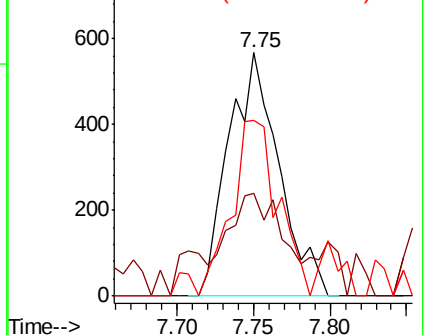
58 67.0 49.8 74.8

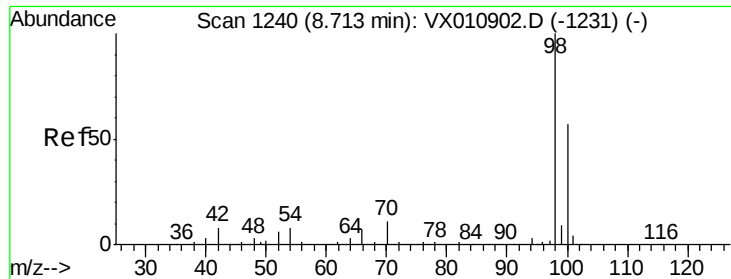


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.179 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

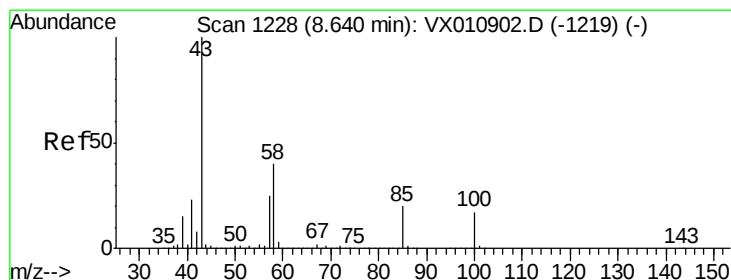
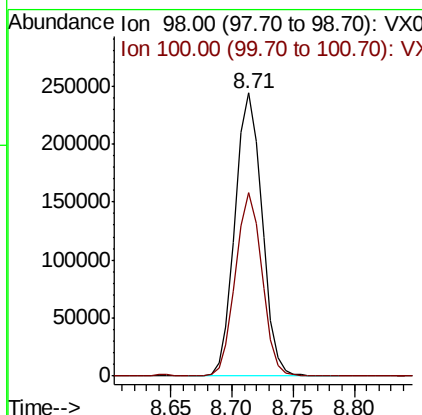
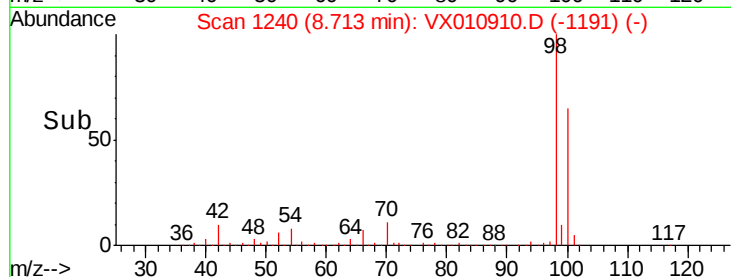
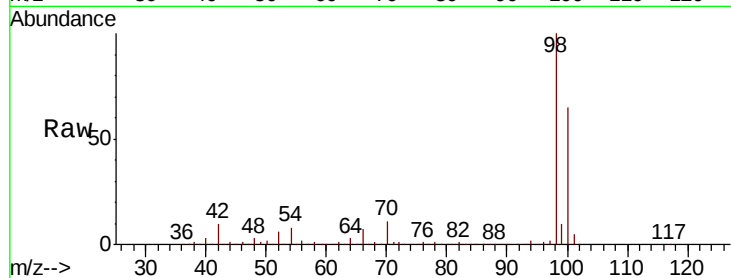
LOQ-WATER-02-QT3-2019

Tot Ion: 98 Resp: 372646

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 4.424 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010910.D

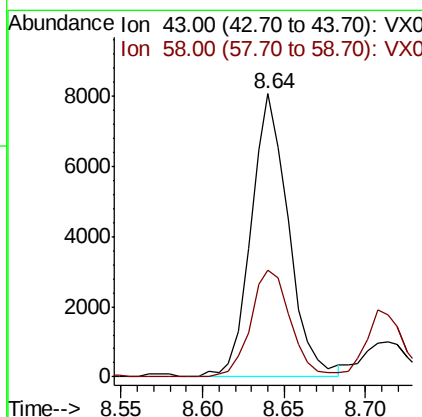
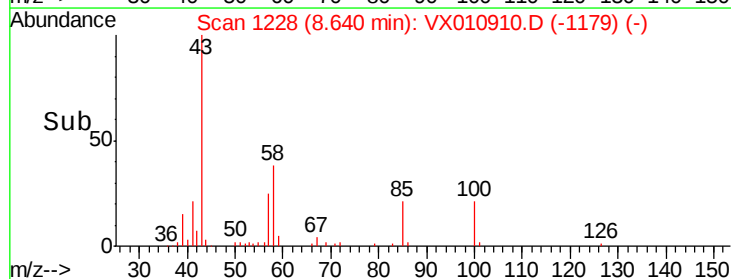
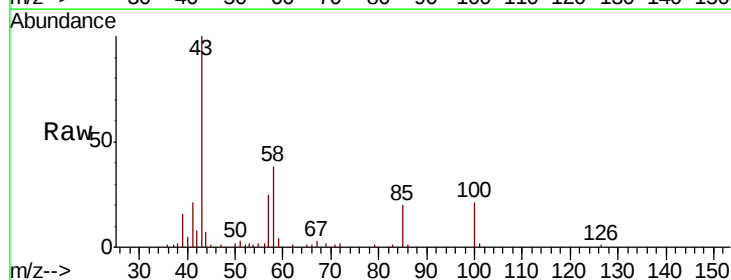
Acq: 16 Jul 2019 16:42

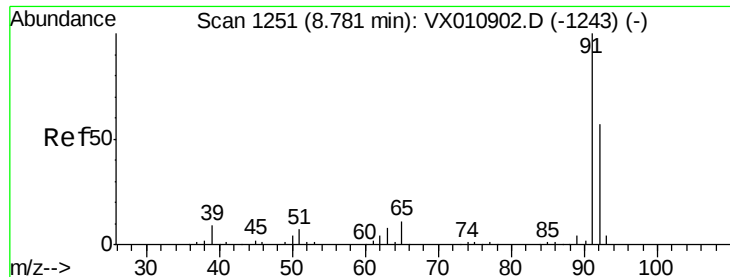
Tgt Ion: 43 Resp: 12886

Ion Ratio Lower Upper

43 100

58 39.9 32.2 48.4





#52

Toluene

Concen: 0.969 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

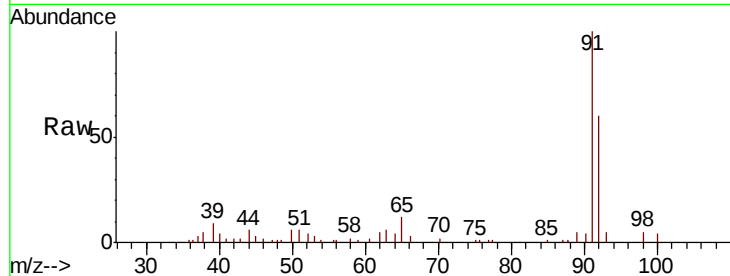
LOQ-WATER-02-QT3-2019

Tot Ion: 92 Resp: 5205

Ion Ratio Lower Upper

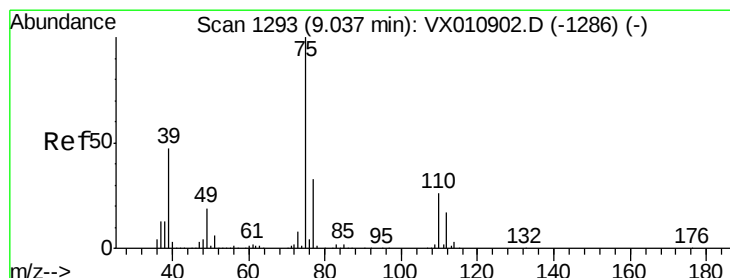
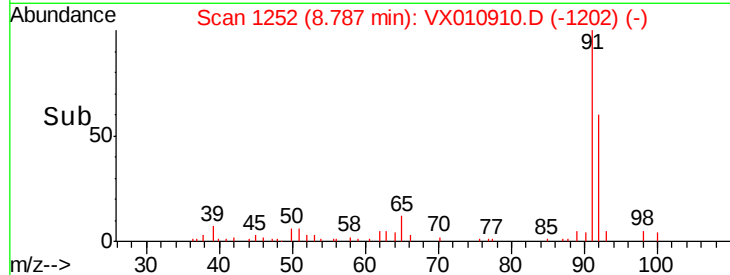
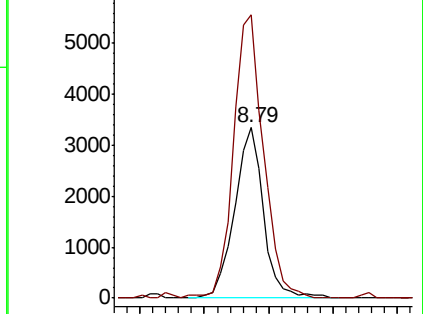
92 100

91 173.0 139.4 209.0



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: 0.737 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010910.D

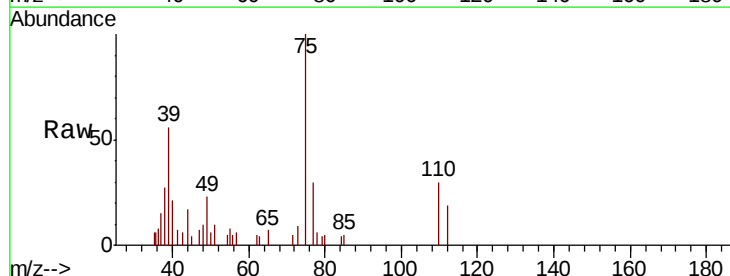
Acq: 16 Jul 2019 16:42

Tgt Ion: 75 Resp: 2097

Ion Ratio Lower Upper

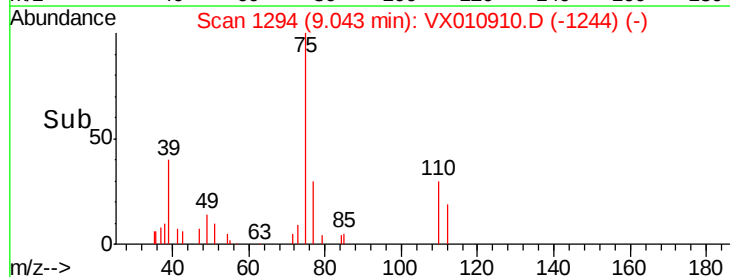
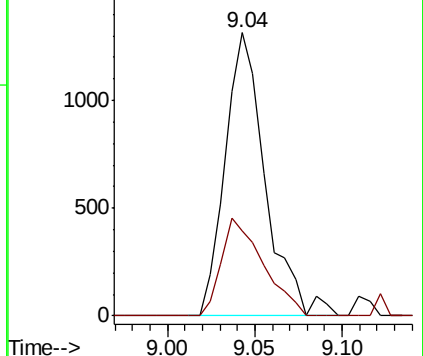
75 100

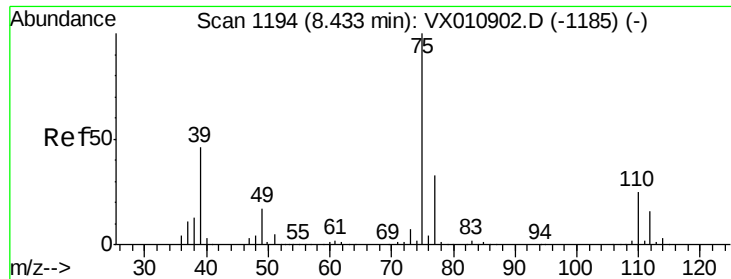
77 30.2 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



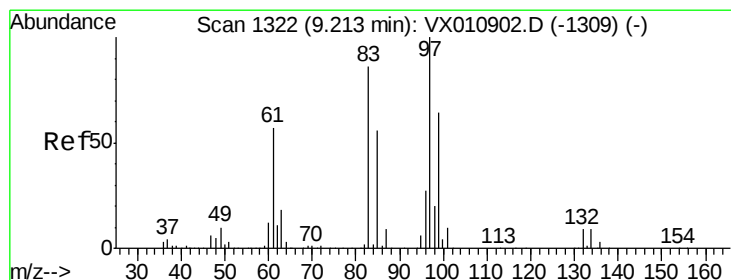
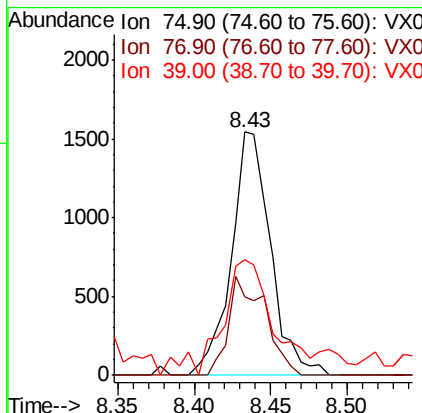
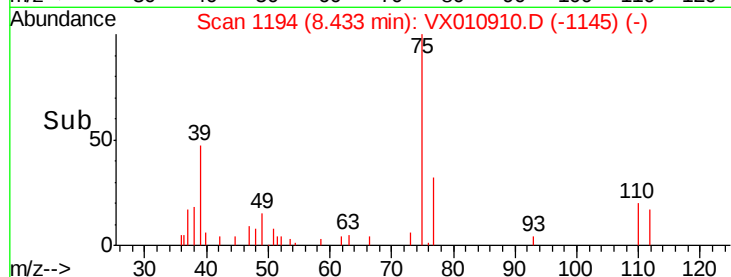
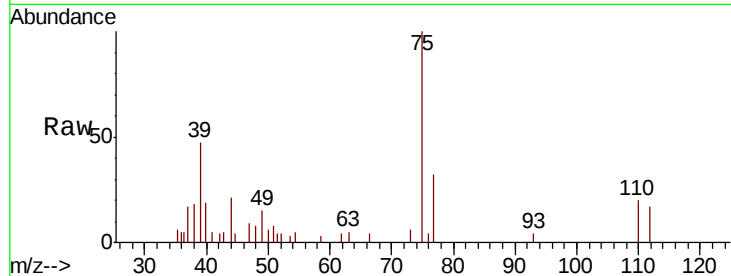


#54

cis-1,3-Dichloropropene
Concen: 0.869 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

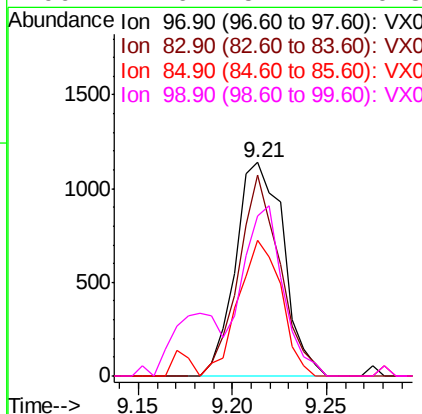
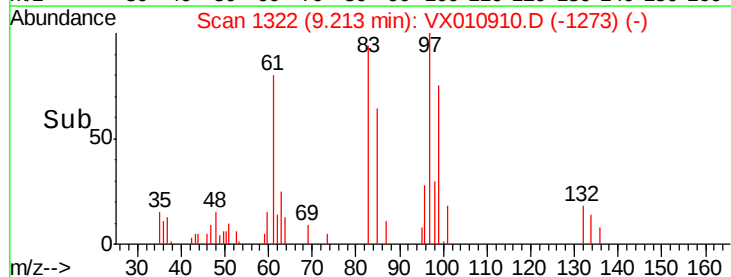
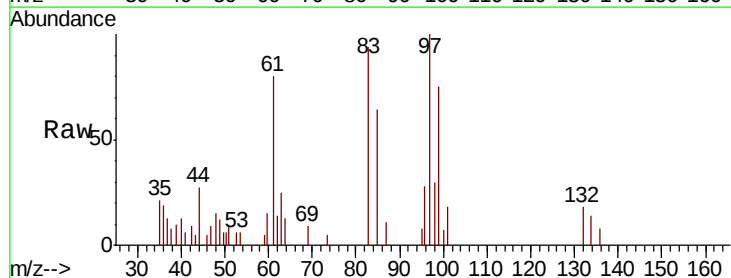
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	38.9	36.6	54.8

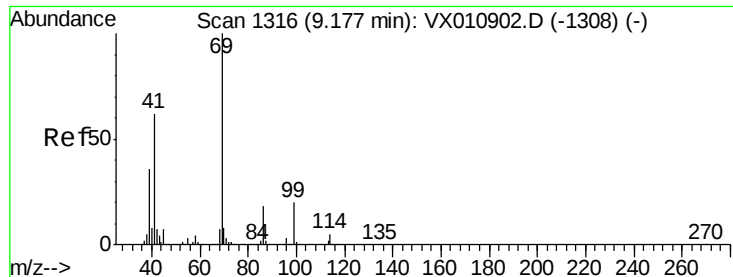


#55

1,1,2-Trichloroethane
Concen: 0.909 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.2	69.2	103.8
85	63.6	44.6	66.8
99	74.6	51.2	76.8





#56

Ethyl methacrylate

Concen: 0.862 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

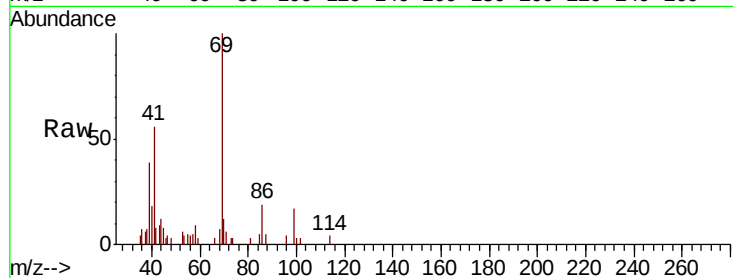
Tot Ion: 69 Resp: 2789

Ion Ratio Lower Upper

69 100

41 67.7 49.7 74.5

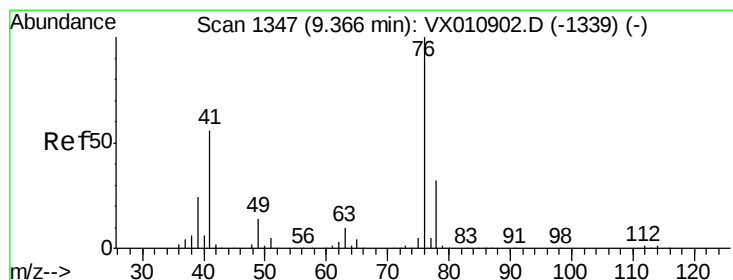
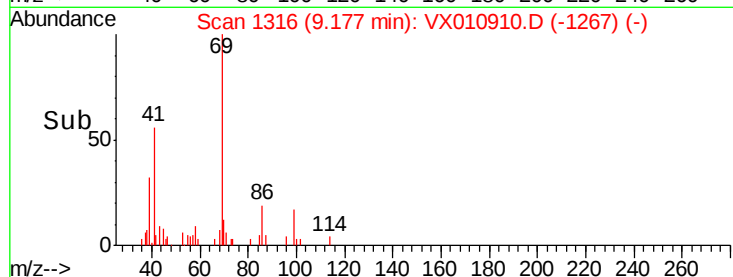
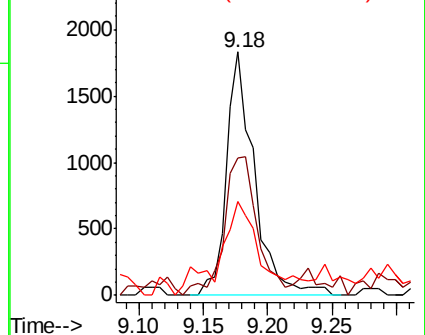
39 58.5 29.6 44.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.923 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010910.D

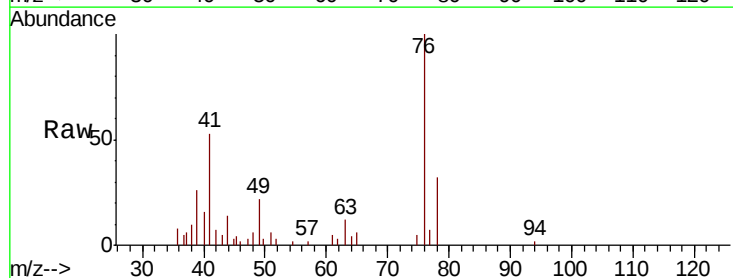
Acq: 16 Jul 2019 16:42

Tgt Ion: 76 Resp: 3236

Ion Ratio Lower Upper

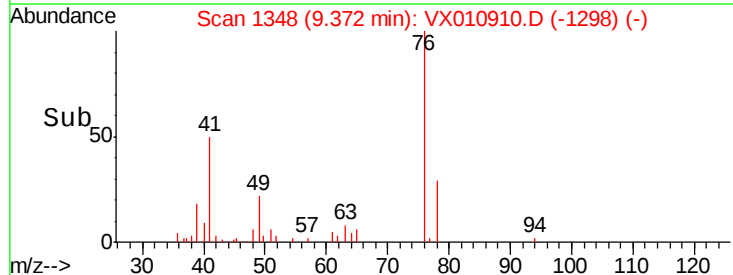
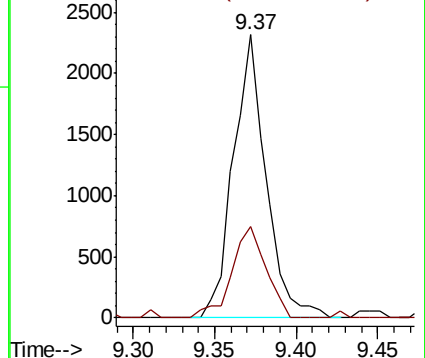
76 100

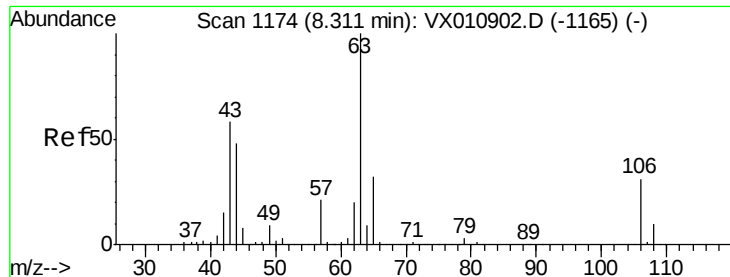
78 33.7 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

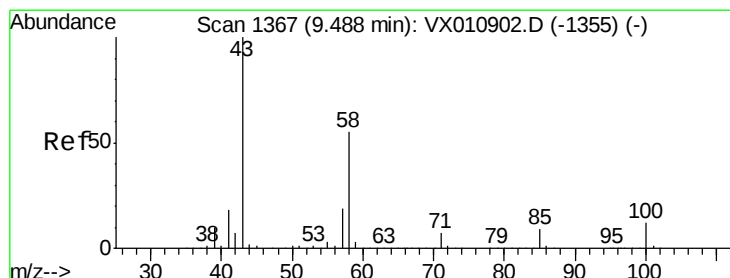
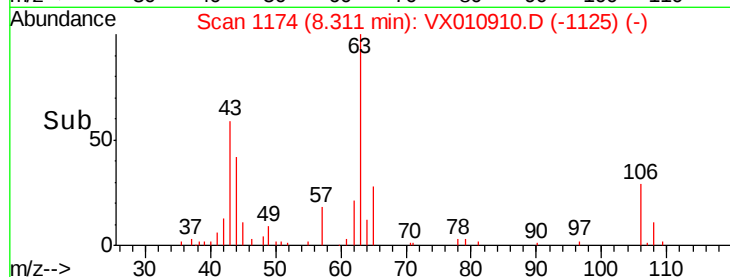
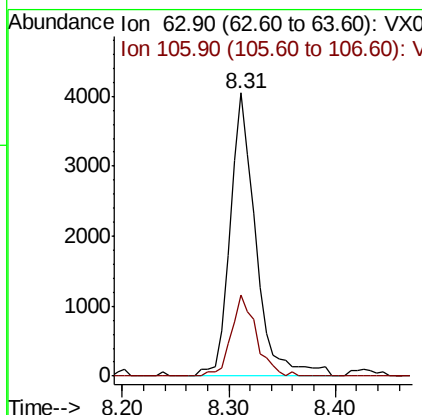
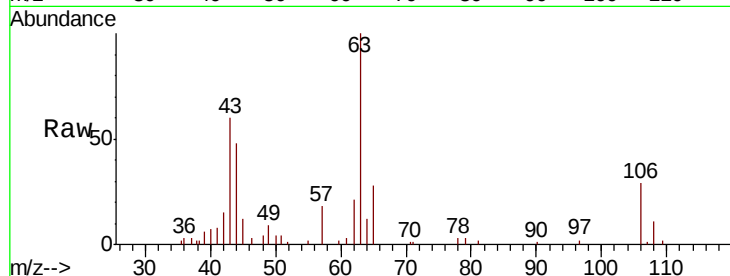




#58
2-Chloroethyl Vinyl ether
Concen: 4.447 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

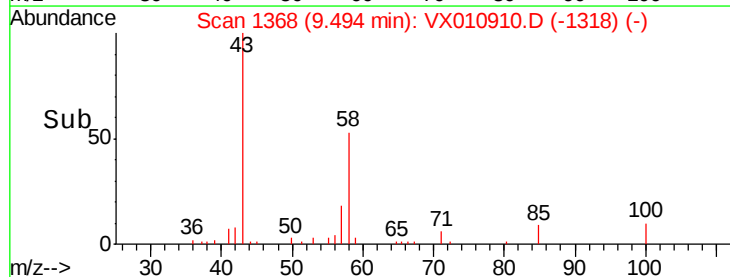
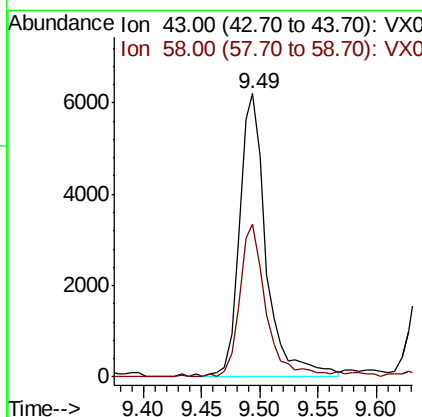
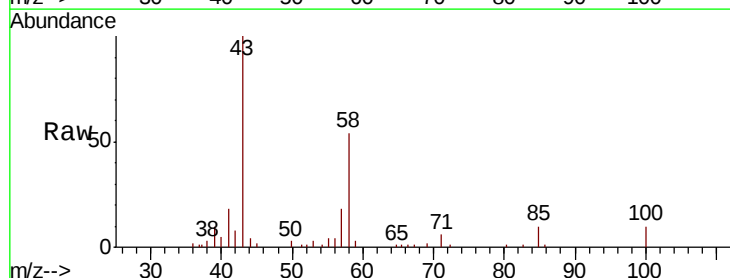
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

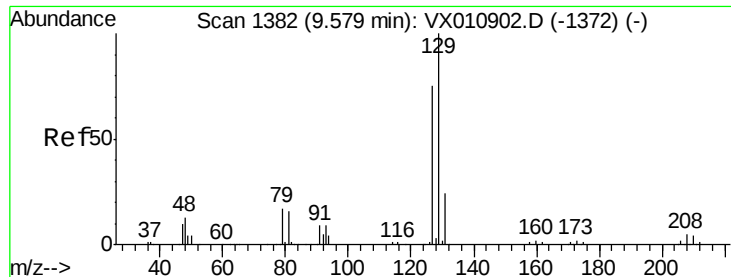
Tot Ion: 63 Resp: 6866
Ion Ratio Lower Upper
63 100
106 27.9 24.0 36.0



#59
2-Hexanone
Concen: 4.397 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 43 Resp: 9934
Ion Ratio Lower Upper
43 100
58 53.2 28.0 83.9





#60

Dibromochloromethane

Concen: 0.751 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

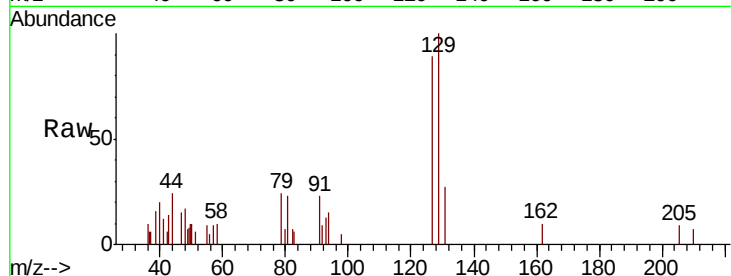
LOQ-WATER-02-QT3-2019

Tot Ion:129 Resp: 1681

Ion Ratio Lower Upper

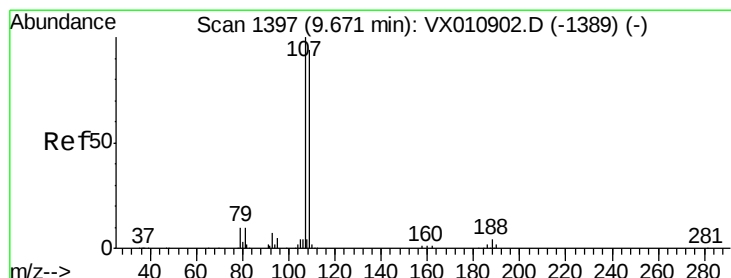
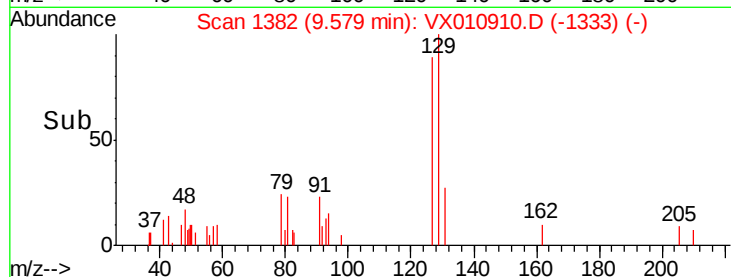
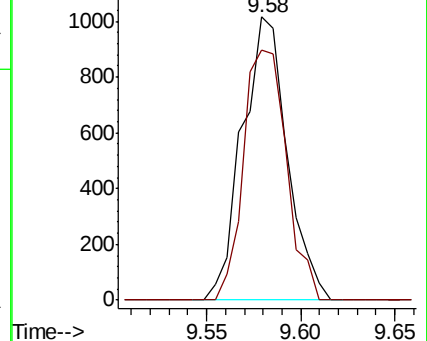
129 100

127 84.4 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.902 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010910.D

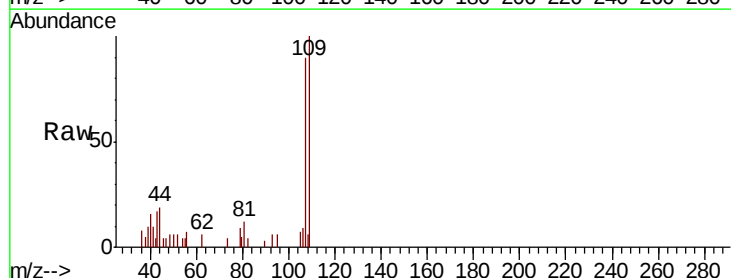
Acq: 16 Jul 2019 16:42

Tgt Ion:107 Resp: 2116

Ion Ratio Lower Upper

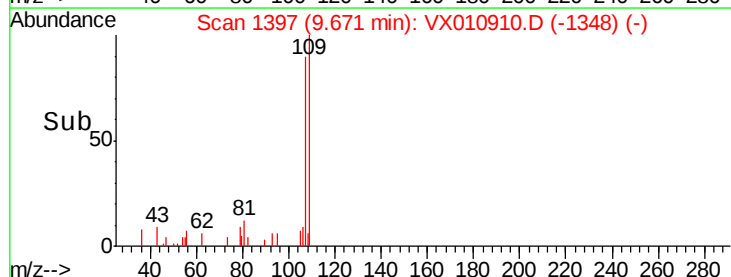
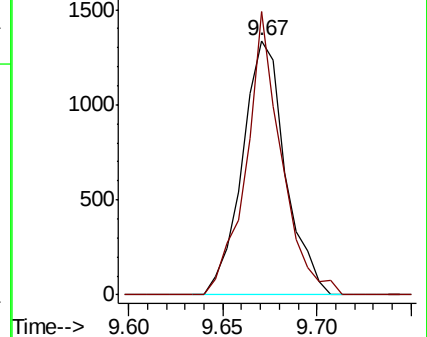
107 100

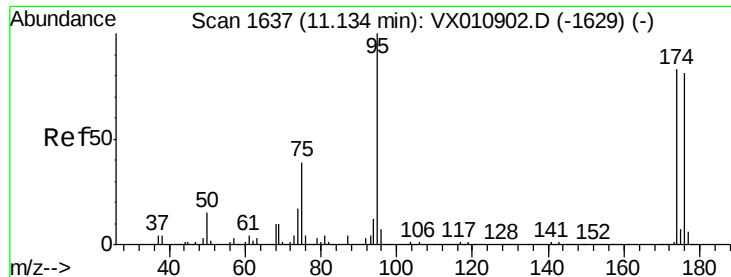
109 91.1 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

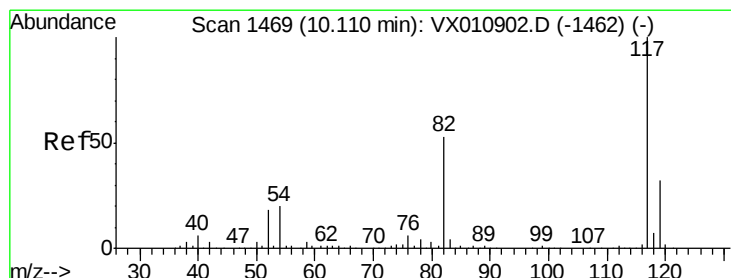
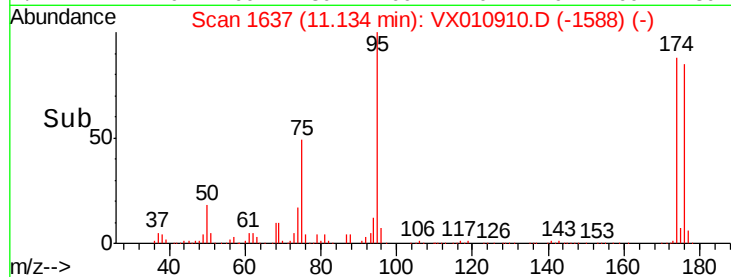
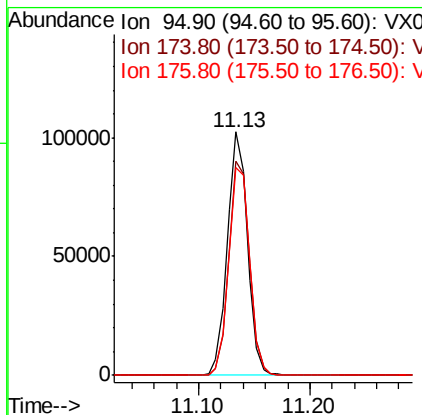
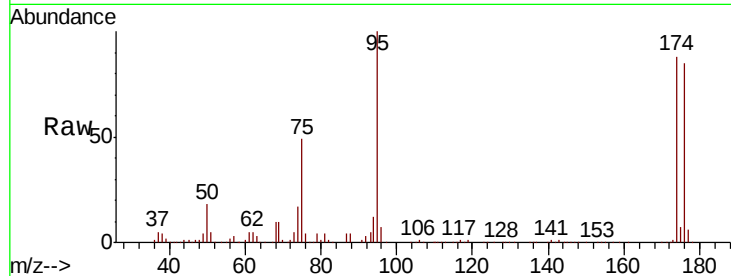




#62
4-Bromofluorobenzene
Concen: 44.929 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

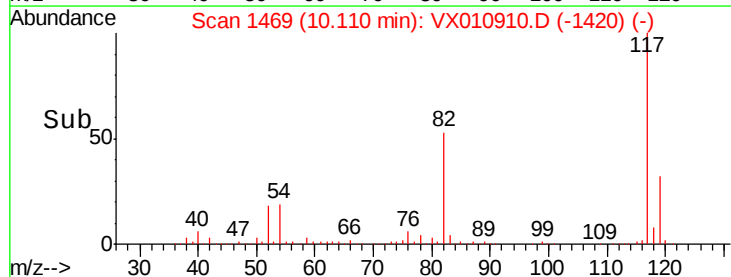
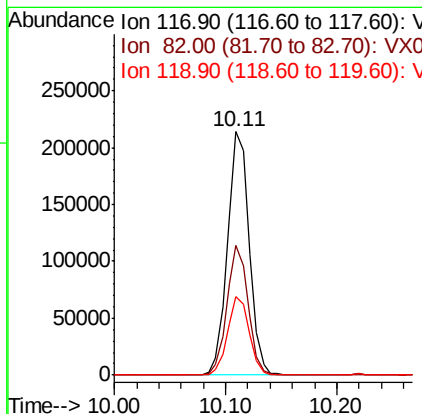
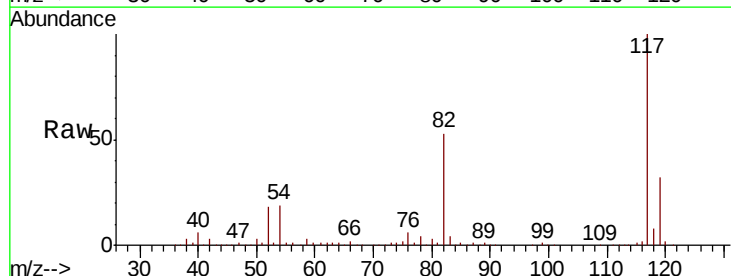
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

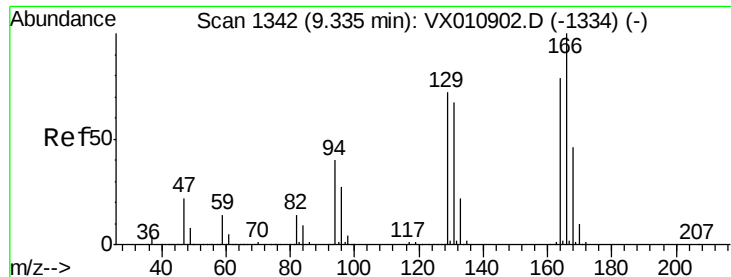
Tot Ion: 95 Resp: 127733
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.6
176 89.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 117 Resp: 288122
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 32.2 25.9 38.9

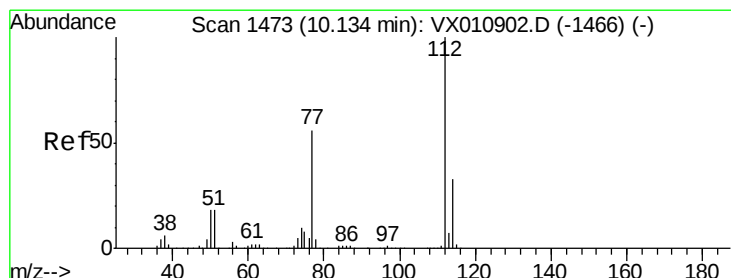
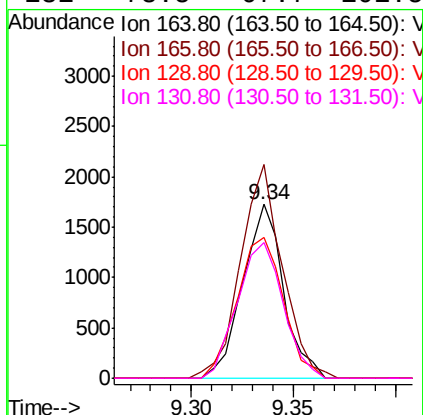
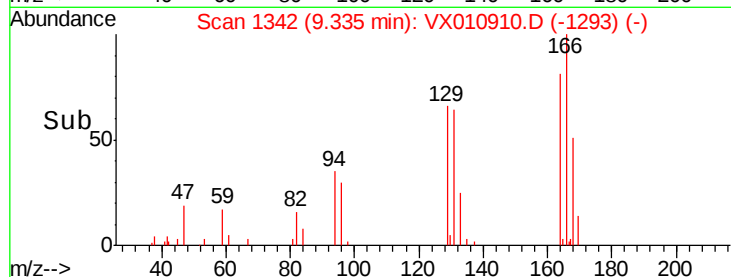
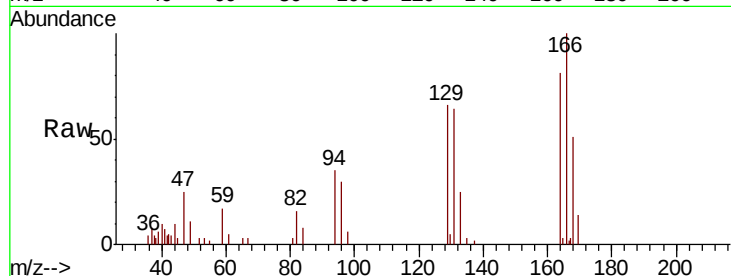




#64
Tetrachloroethene
Concen: 1.052 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

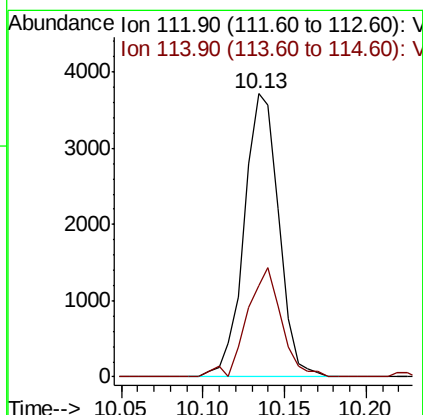
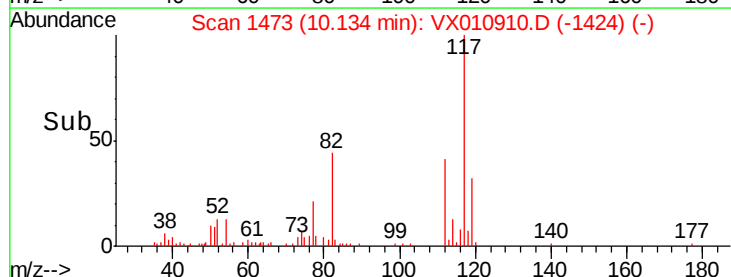
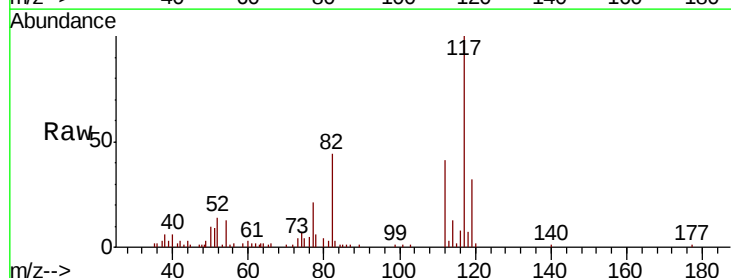
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

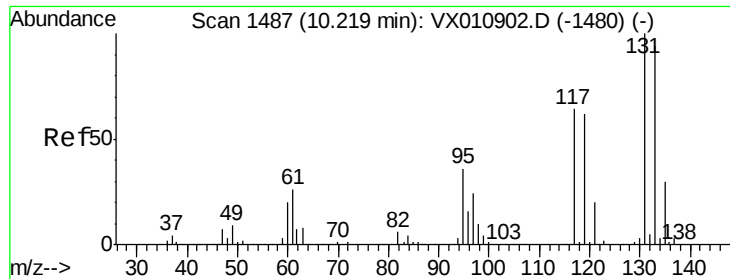
Tot Ion:164 Resp: 2385
Ion Ratio Lower Upper
164 100
166 123.0 100.8 151.2
129 80.8 72.6 109.0
131 78.5 67.7 101.5



#65
Chlorobenzene
Concen: 0.932 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:112 Resp: 5517
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 0.872 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

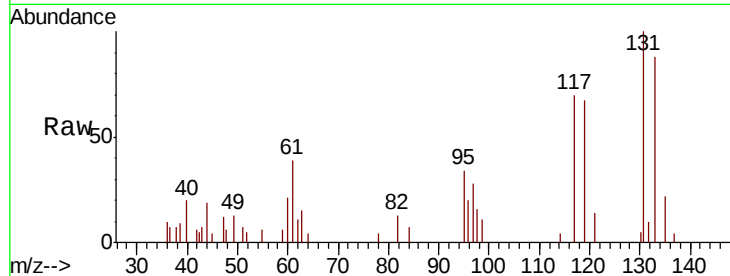
Tot Ion:131 Resp: 1813

Ion Ratio Lower Upper

131 100

133 102.5 47.1 141.4

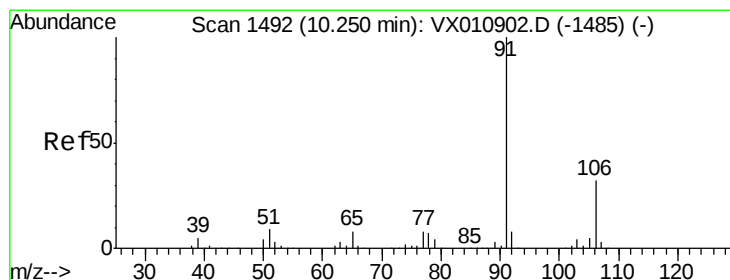
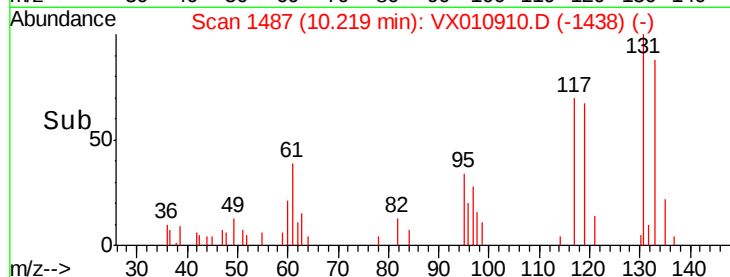
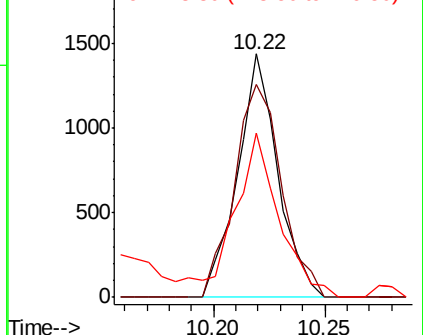
119 0.0 31.9 95.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.913 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010910.D

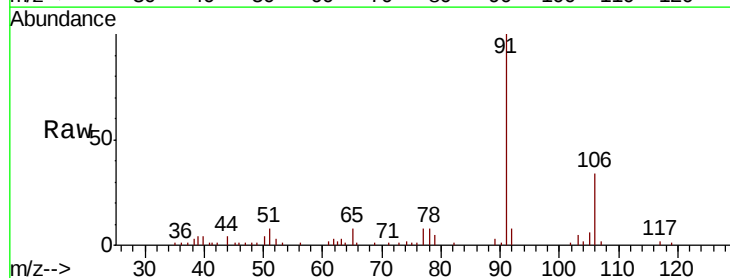
Acq: 16 Jul 2019 16:42

Tgt Ion: 91 Resp: 9193

Ion Ratio Lower Upper

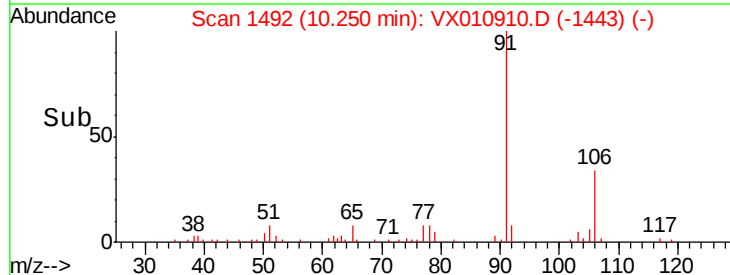
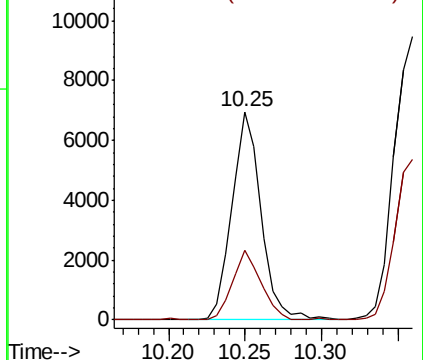
91 100

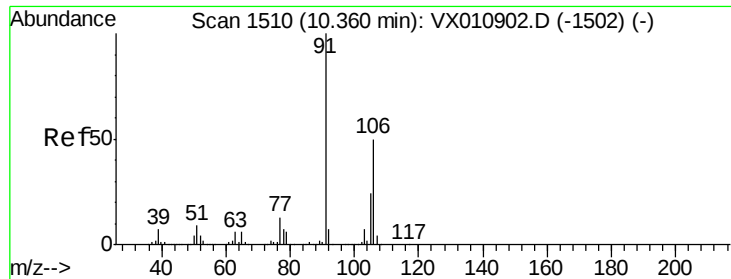
106 33.6 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.929 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

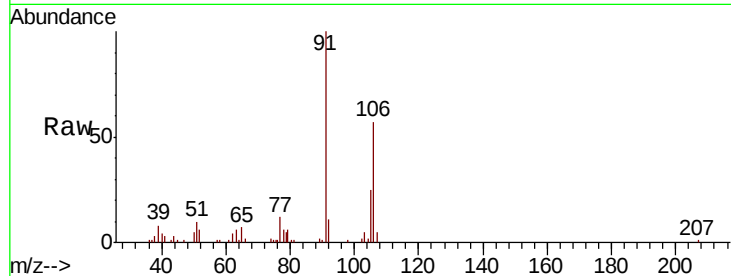
LOQ-WATER-02-QT3-2019

Tot Ion:106 Resp: 7454

Ion Ratio Lower Upper

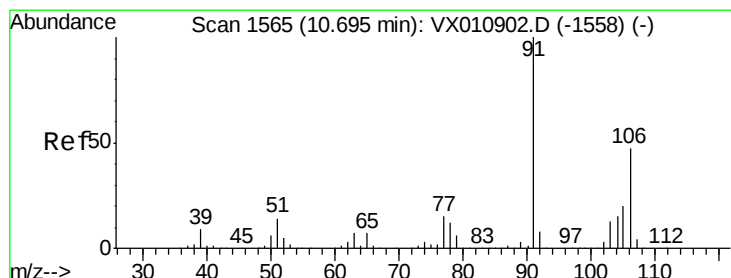
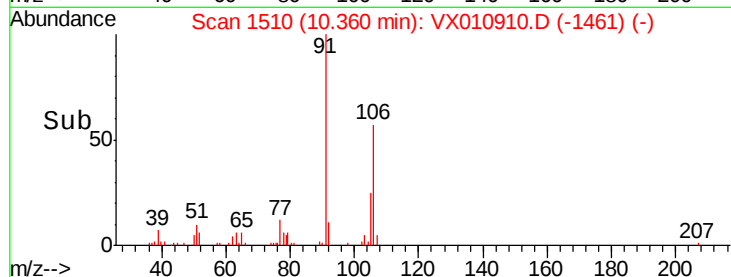
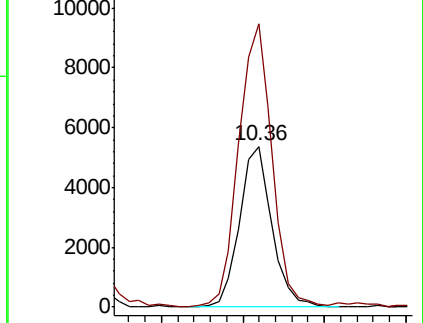
106 100

91 181.0 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.933 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010910.D

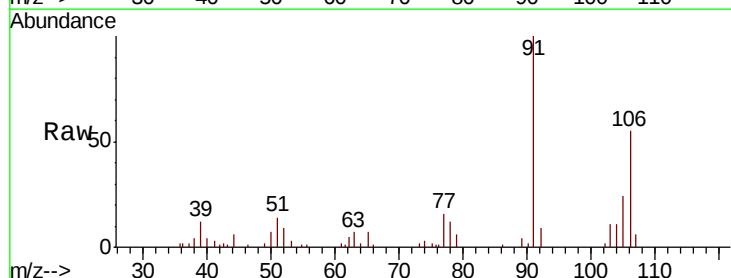
Acq: 16 Jul 2019 16:42

Tgt Ion:106 Resp: 3517

Ion Ratio Lower Upper

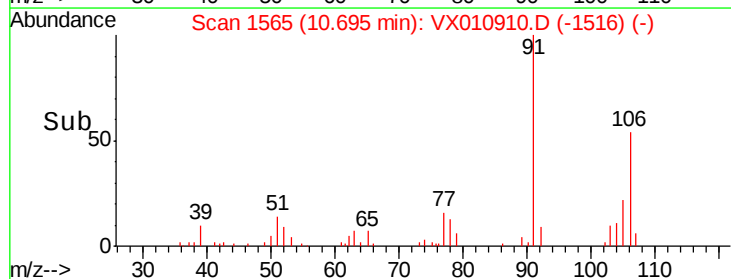
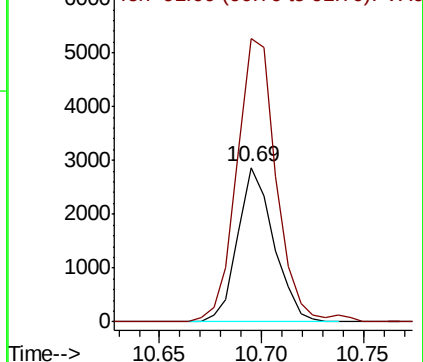
106 100

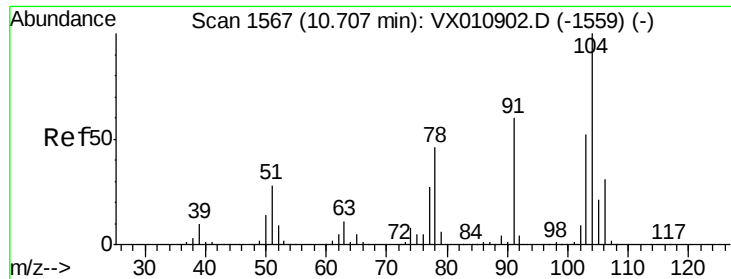
91 201.5 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

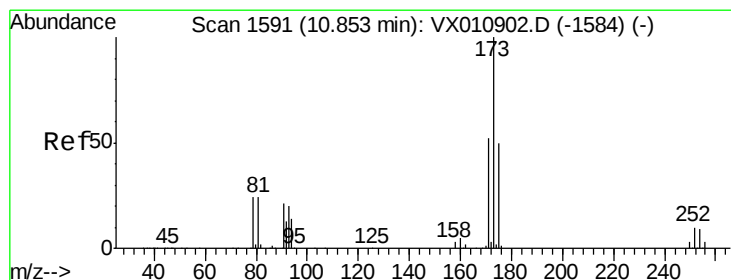
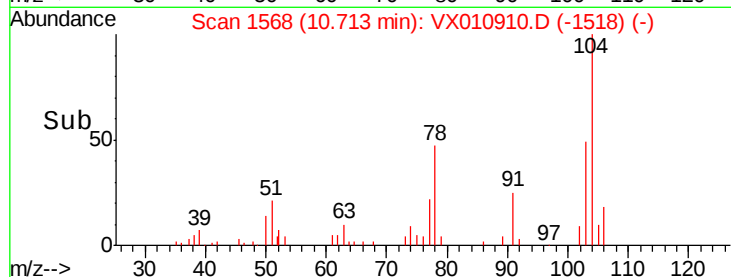
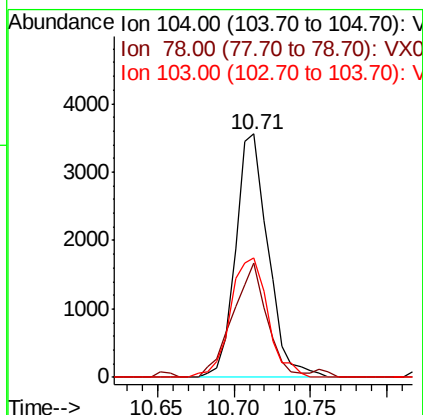
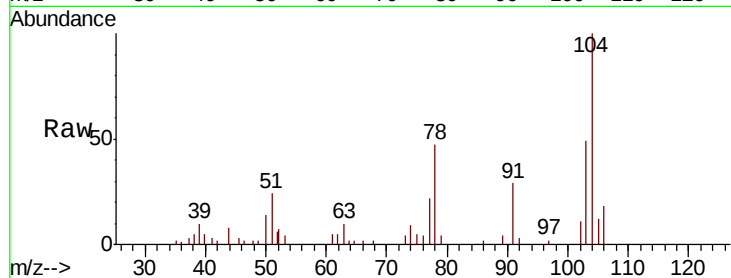




#70
Stvrene
Concen: 0.834 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

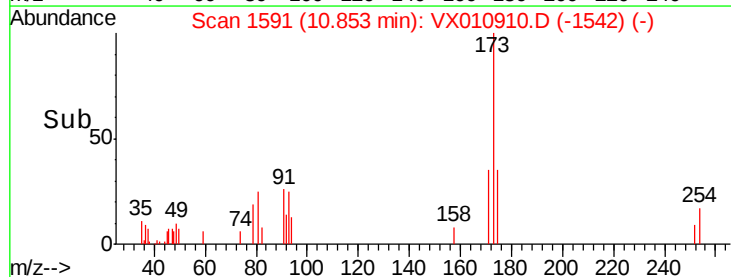
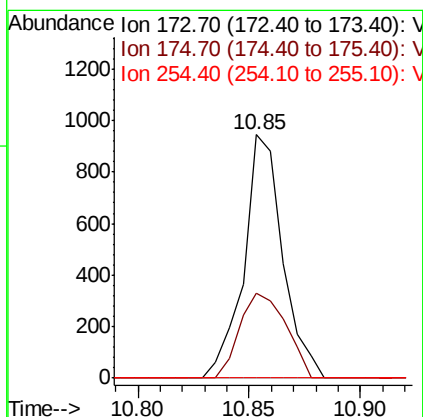
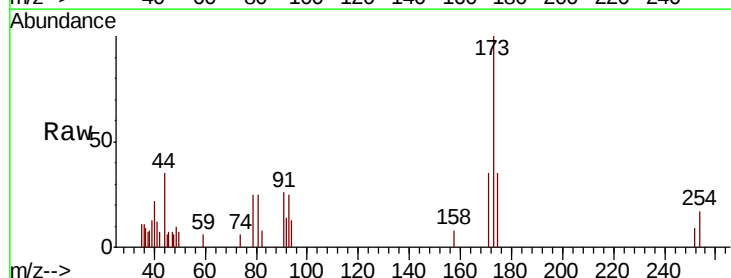
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

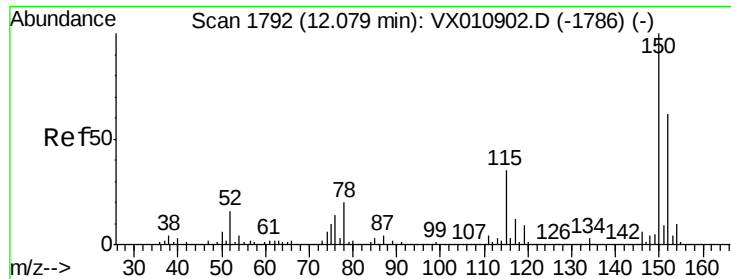
Tot Ion:104 Resp: 5240
Ion Ratio Lower Upper
104 100
78 49.8 38.8 58.2
103 56.5 44.2 66.4



#71
Bromoform
Concen: 0.695 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:173 Resp: 1153
Ion Ratio Lower Upper
173 100
175 41.1 24.6 73.6
254 0.0 0.1 0.1#



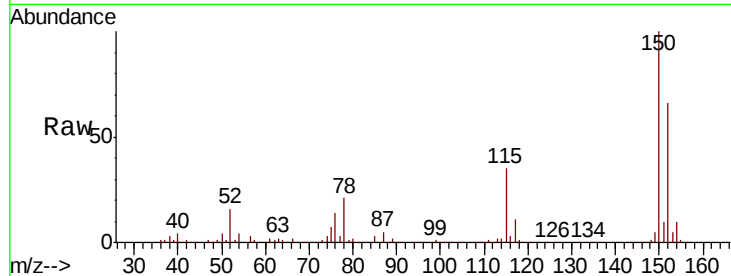


#72

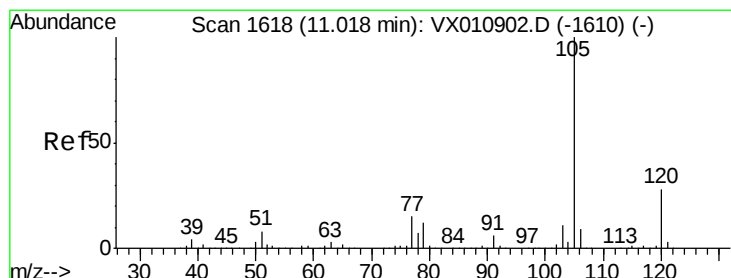
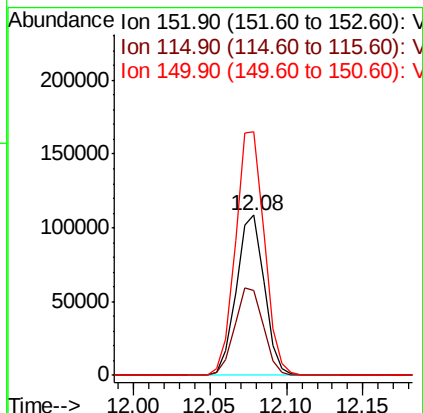
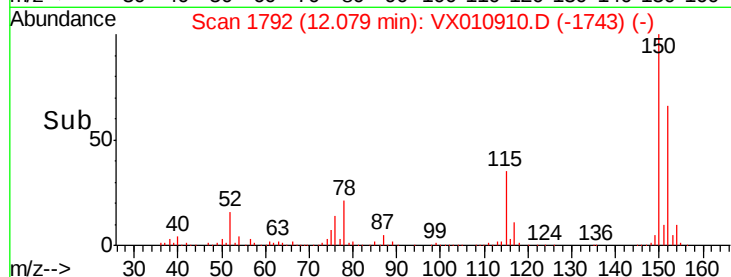
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

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

Tot Ion:152 Resp: 136999
Ion Ratio Lower Upper
152 100
115 56.2 39.7 119.1
150 157.3 0.0 345.6



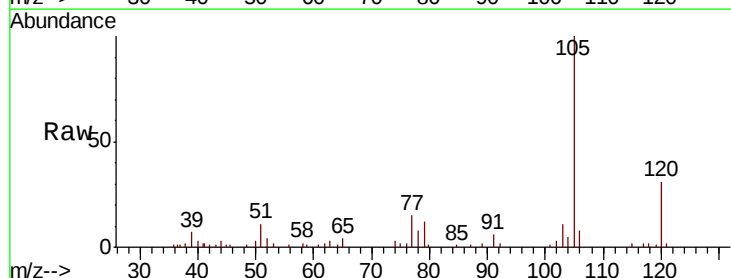
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



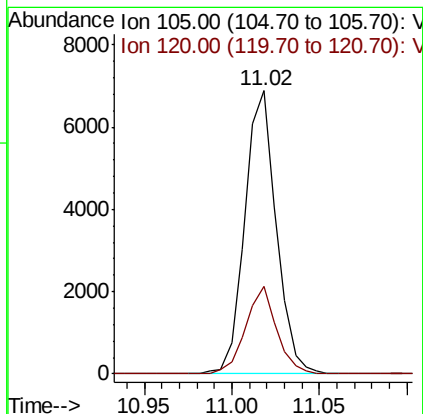
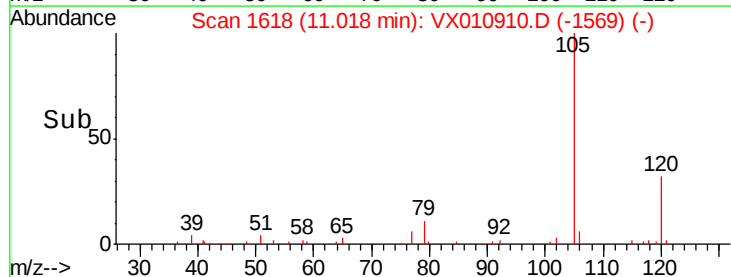
#73

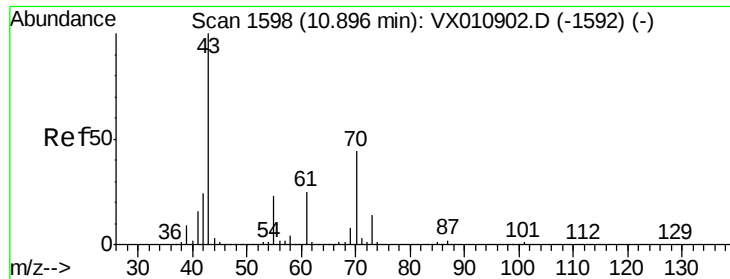
Isopropylbenzene
Concen: 0.927 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:105 Resp: 8583
Ion Ratio Lower Upper
105 100
120 30.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.820 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 2899

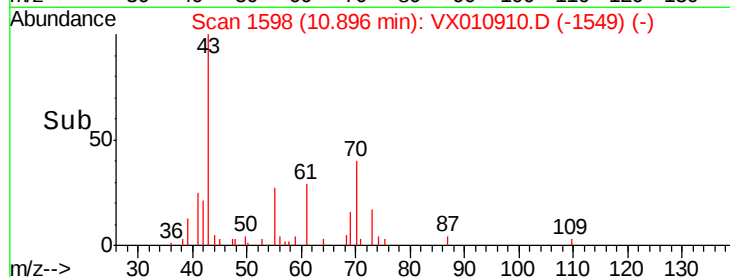
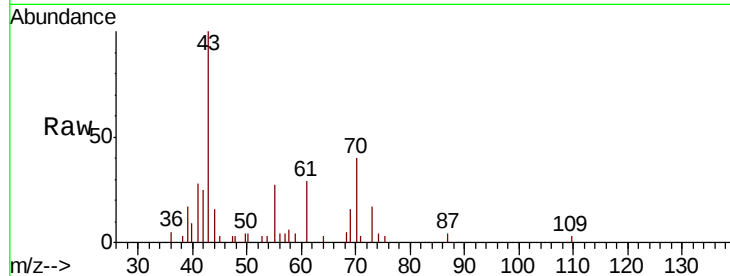
Ion	Ratio	Lower	Upper
43	100		
70	48.6	34.7	52.1
55	35.8	19.1	28.7
61	27.1	19.9	29.9

43 100

70 48.6 34.7 52.1

55 35.8 19.1 28.7

61 27.1 19.9 29.9

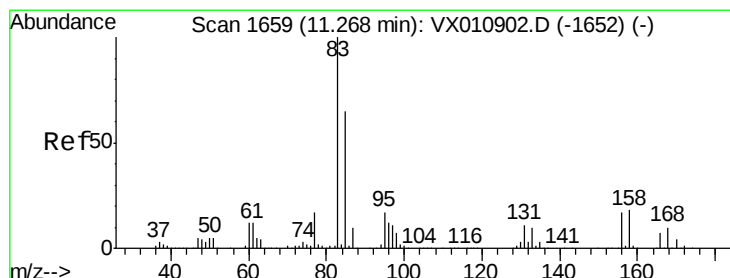
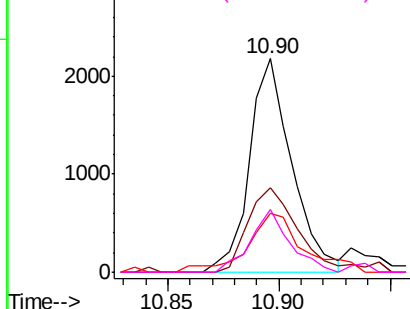


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.967 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

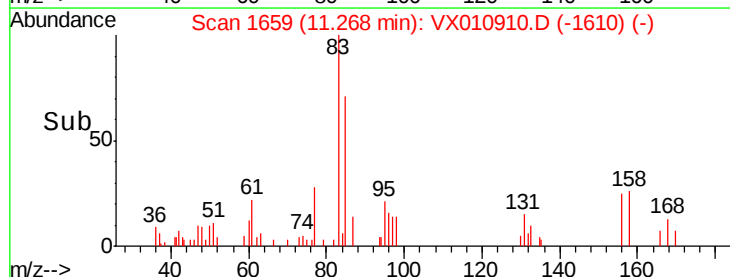
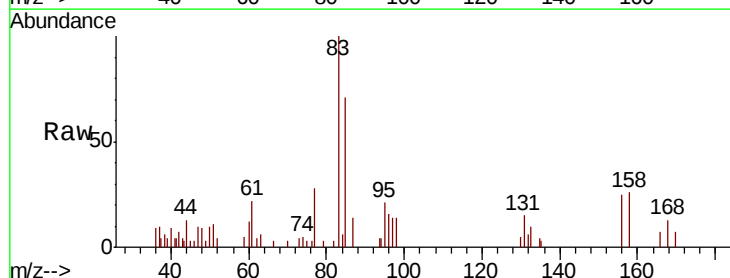
Tgt Ion: 83 Resp: 2929

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	64.8	32.3	96.9

83 100

131 11.6 5.5 16.4

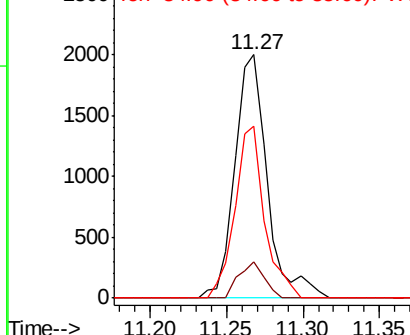
85 64.8 32.3 96.9

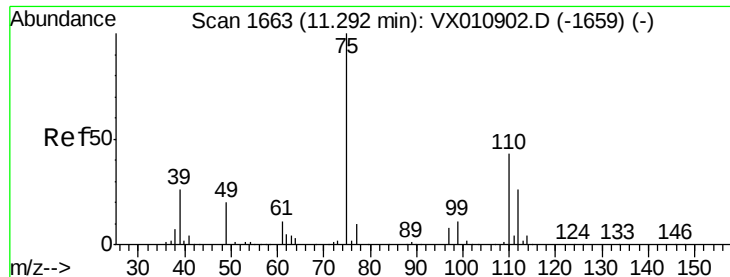


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.218 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

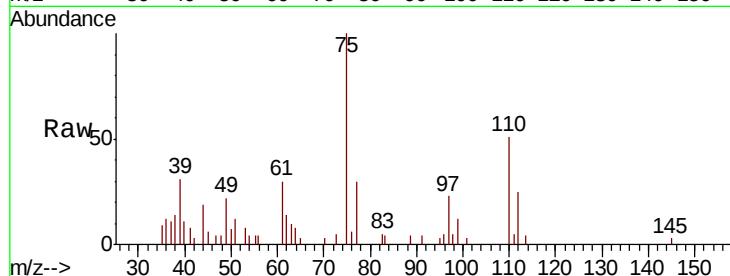
LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 3012

Ion Ratio Lower Upper

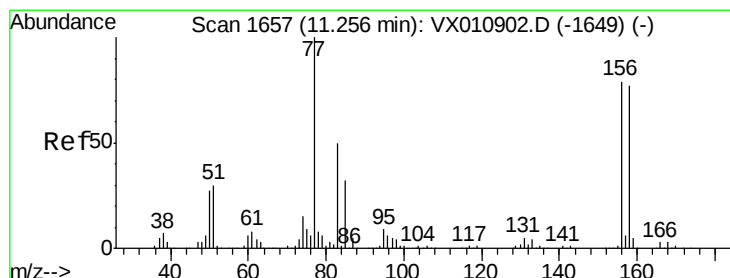
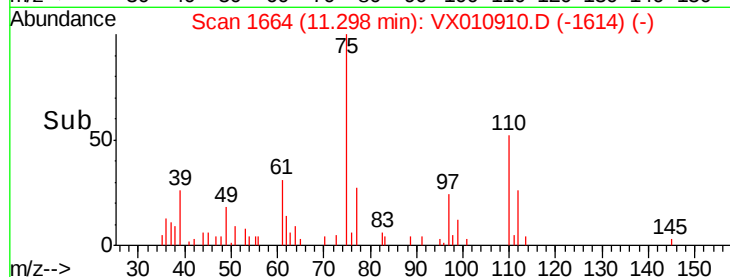
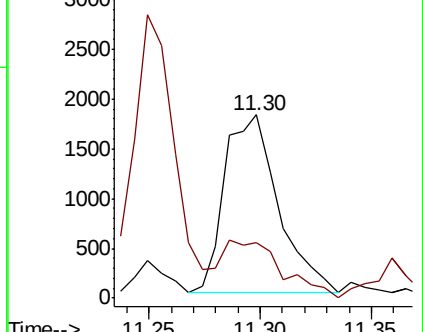
75 100

77 37.7 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 1.053 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

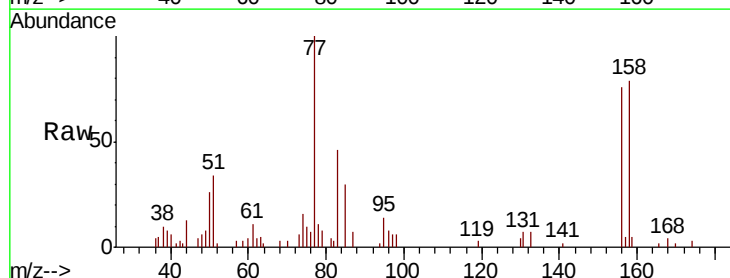
Tgt Ion: 156 Resp: 2690

Ion Ratio Lower Upper

156 100

77 139.4 68.7 206.1

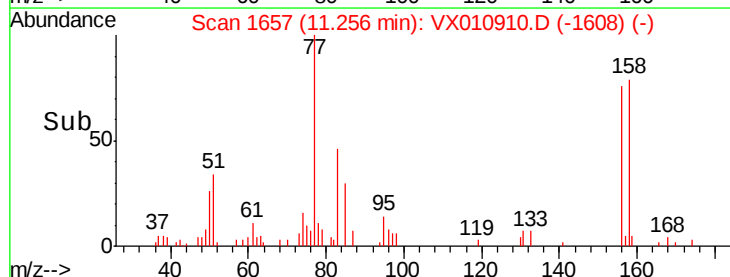
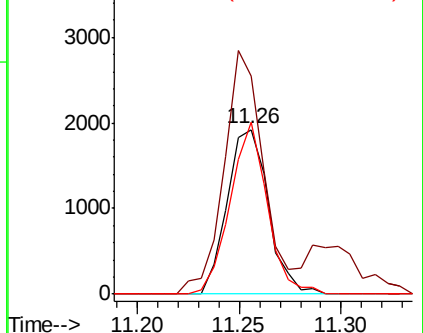
158 93.8 47.9 143.7

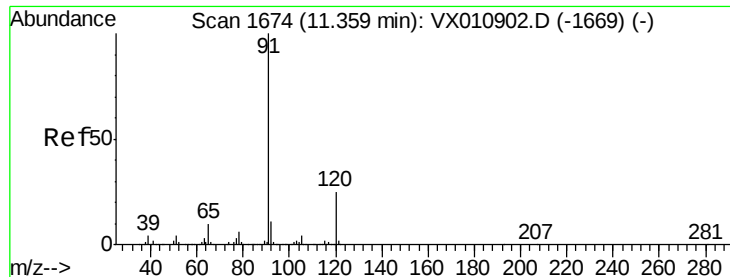


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.930 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

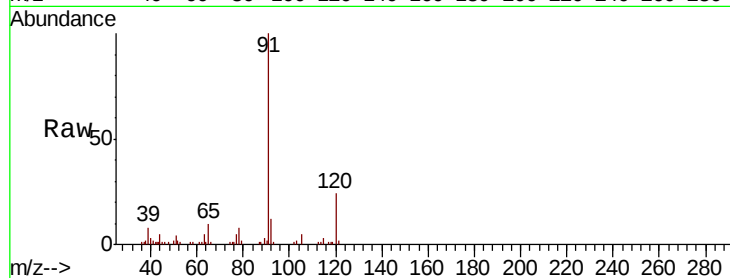
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 9517

Ion Ratio Lower Upper

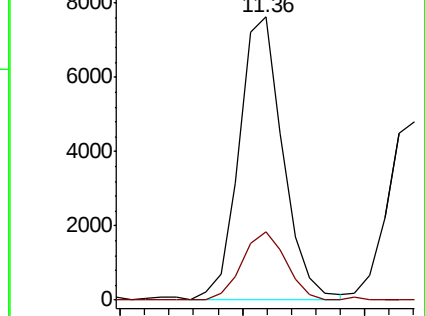
91 100

120 23.9 12.3 36.8

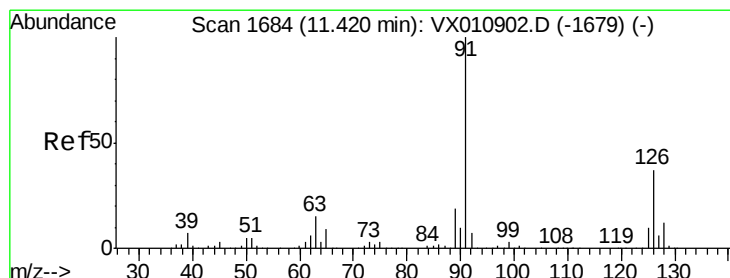
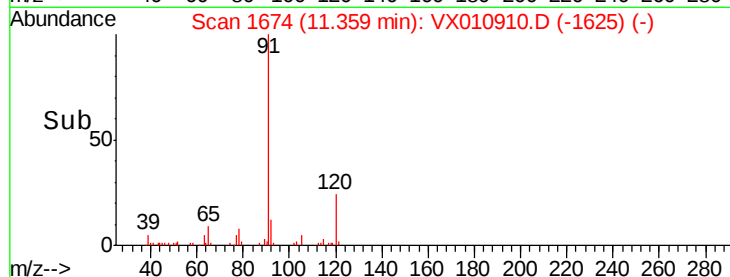


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 1.031 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010910.D

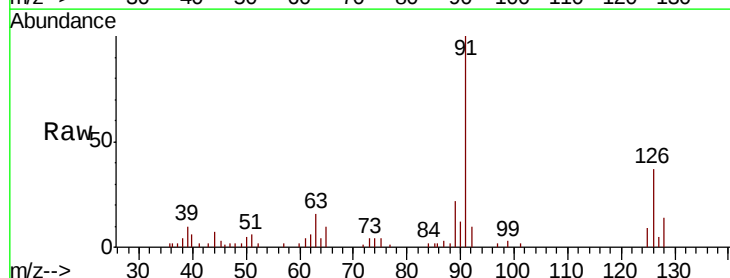
Acq: 16 Jul 2019 16:42

Tgt Ion: 91 Resp: 6333

Ion Ratio Lower Upper

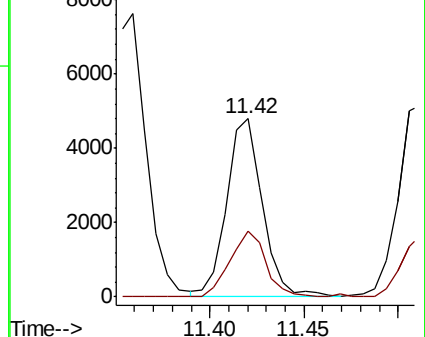
91 100

126 36.6 18.0 54.0

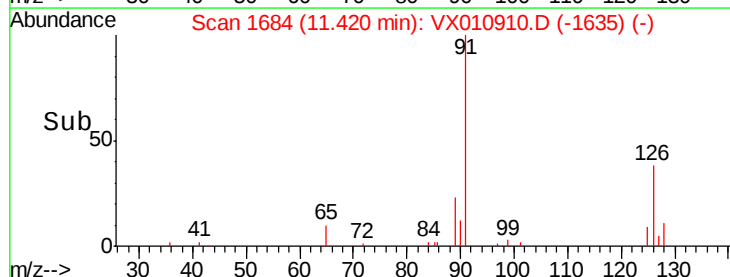


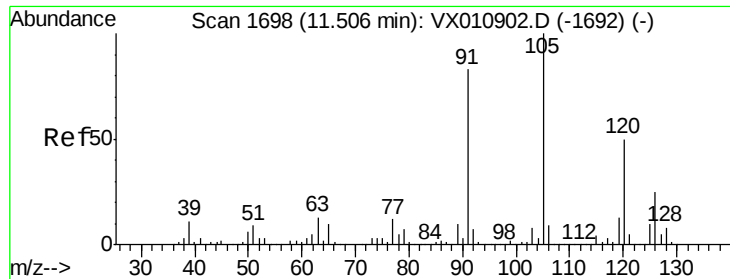
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45

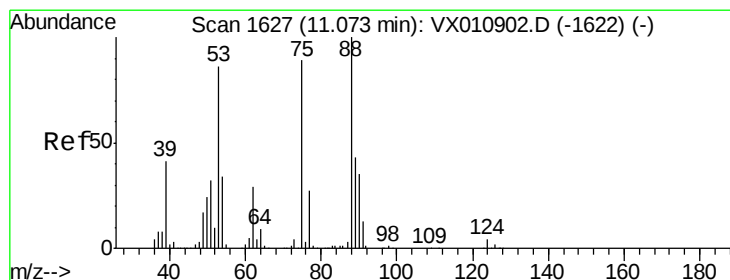
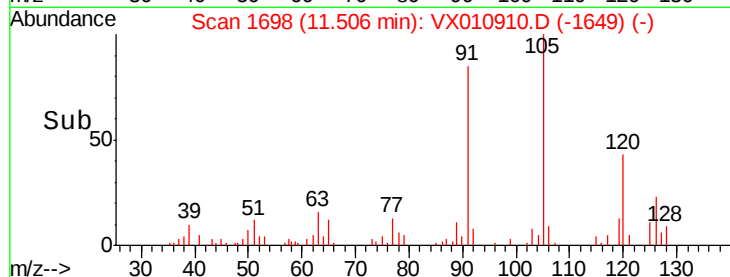
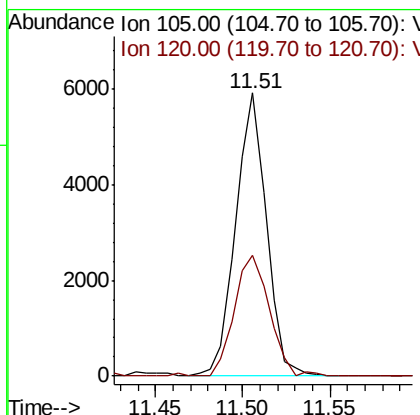
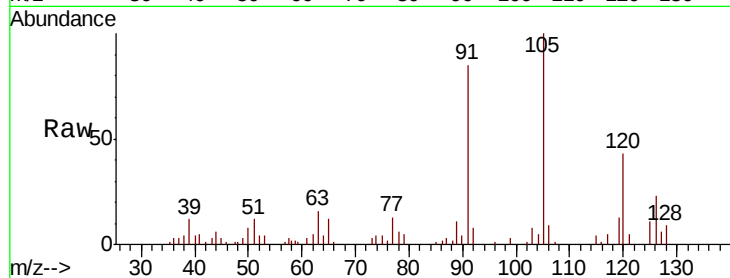




#80
 1,3,5-Trimethylbenzene
 Concen: 0.936 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

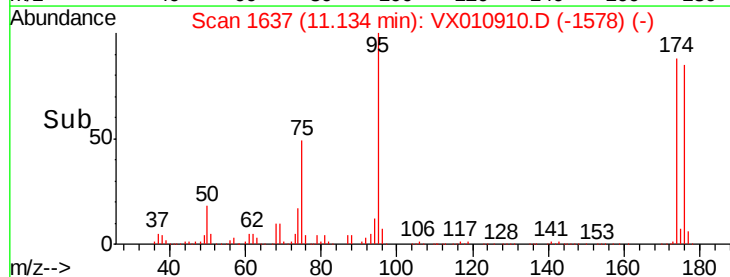
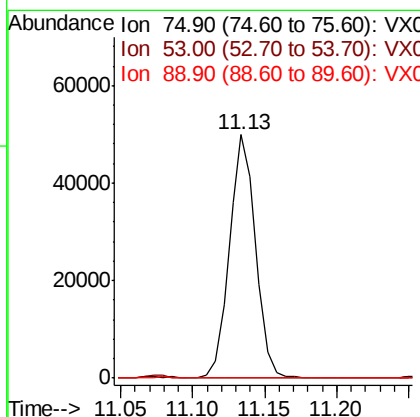
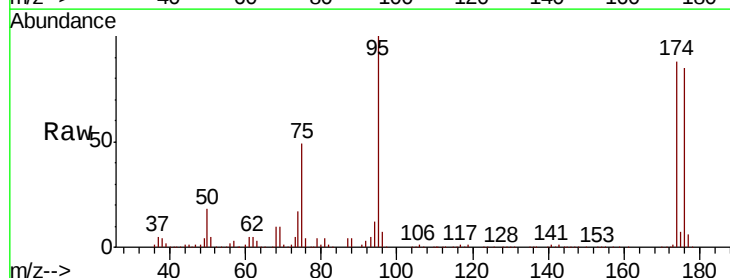
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

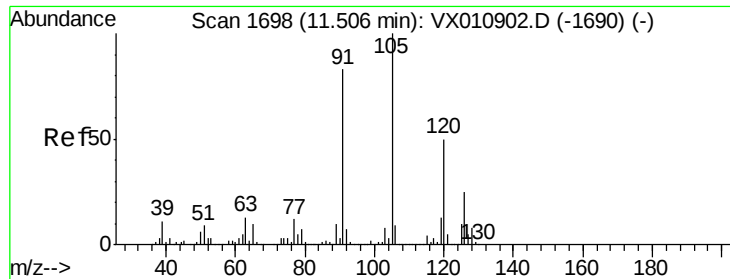
Tot Ion:105 Resp: 7243
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.431 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 75 Resp: 63282
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.7 115.1#
 89 0.0 38.5 57.7#

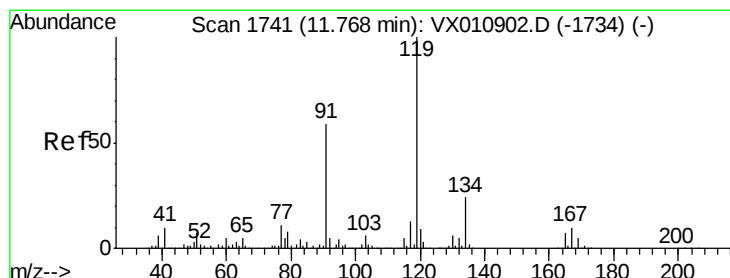
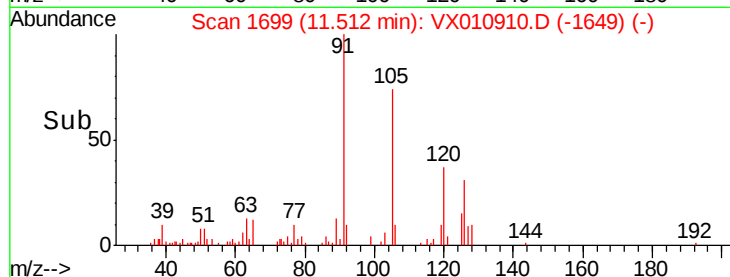
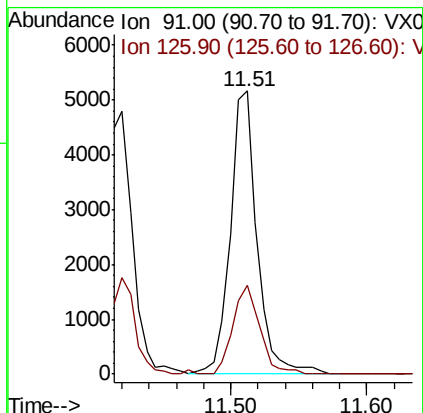
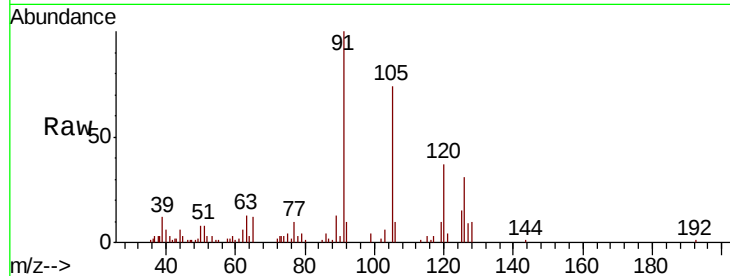




#82
4-Chlorotoluene
Concen: 0.989 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

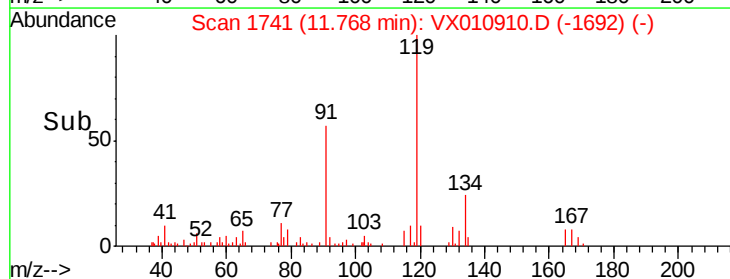
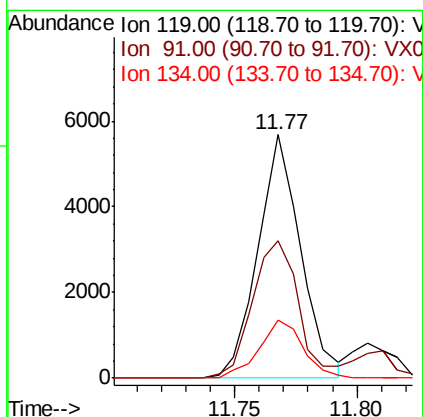
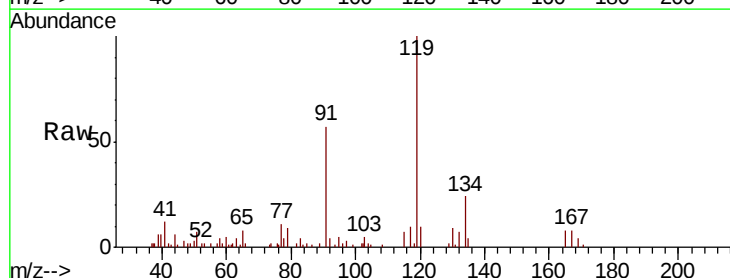
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

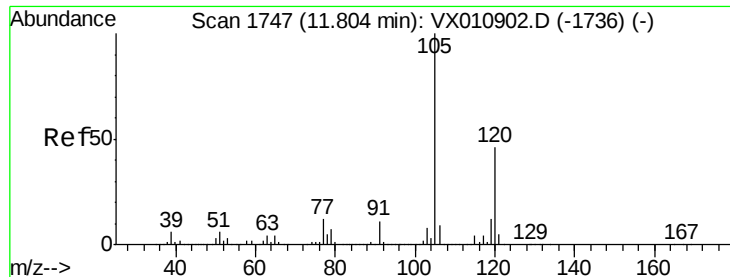
Tot Ion: 91 Resp: 7070
Ion Ratio Lower Upper
91 100
126 31.5 15.9 47.7



#83
tert-Butylbenzene
Concen: 0.915 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion: 119 Resp: 6950
Ion Ratio Lower Upper
119 100
91 61.0 28.6 85.8
134 24.7 11.6 34.8

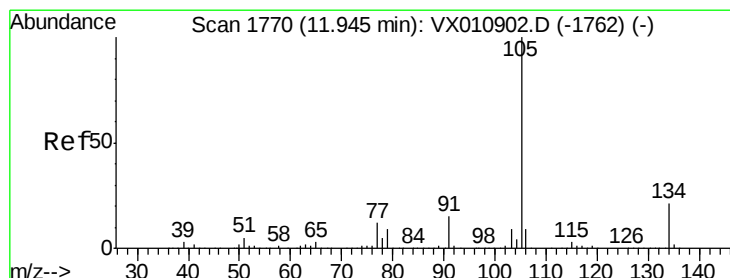
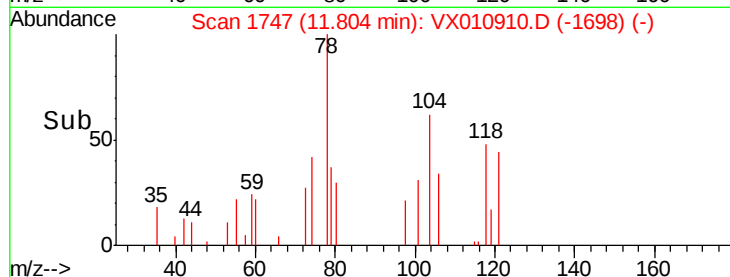
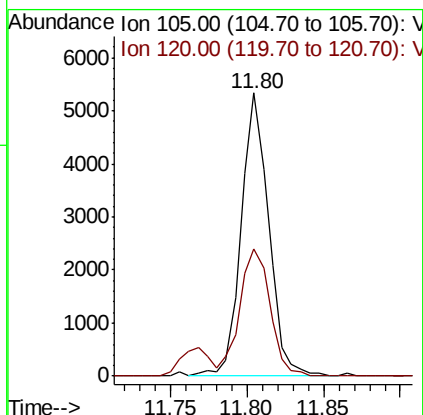
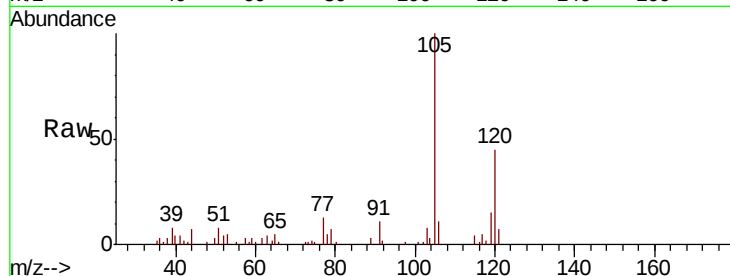




#84
1,2,4-Trimethylbenzene
Concen: 0.852 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

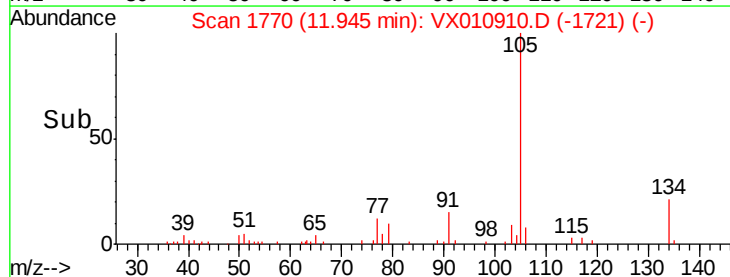
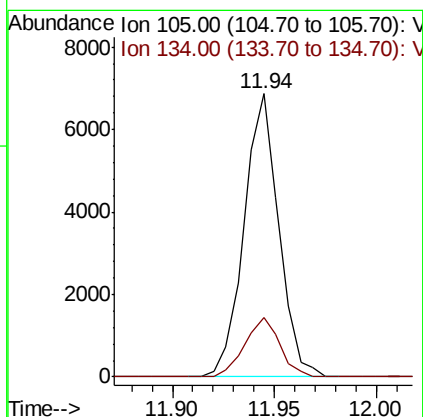
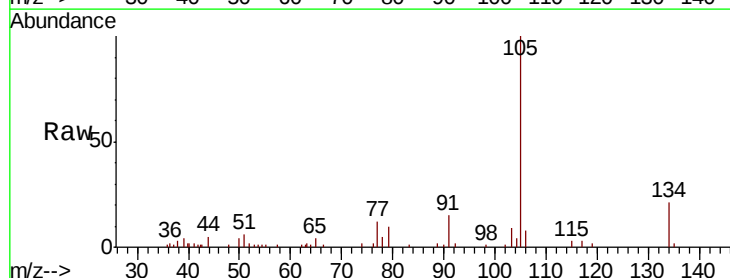
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

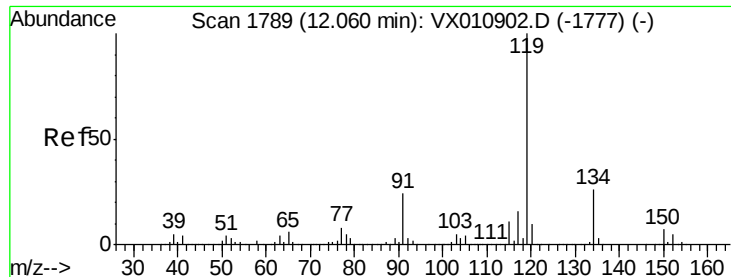
Tot Ion:105 Resp: 6641
Ion Ratio Lower Upper
105 100
120 49.9 22.9 68.5



#85
sec-Butylbenzene
Concen: 0.910 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:105 Resp: 8104
Ion Ratio Lower Upper
105 100
134 21.2 10.4 31.4

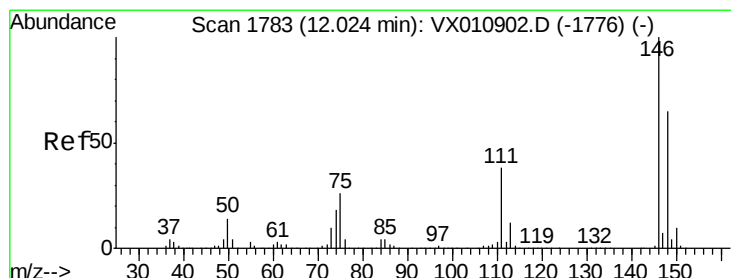
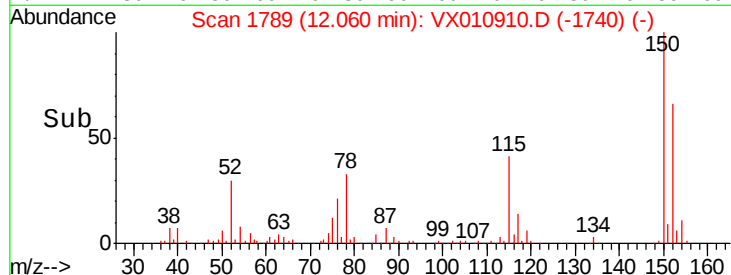
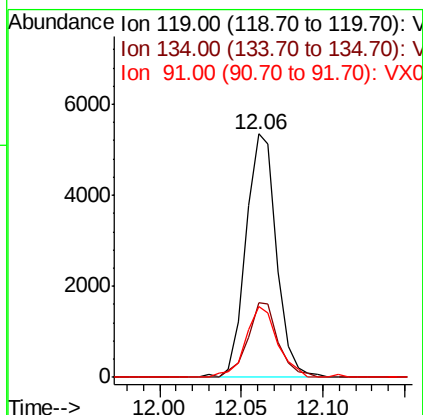
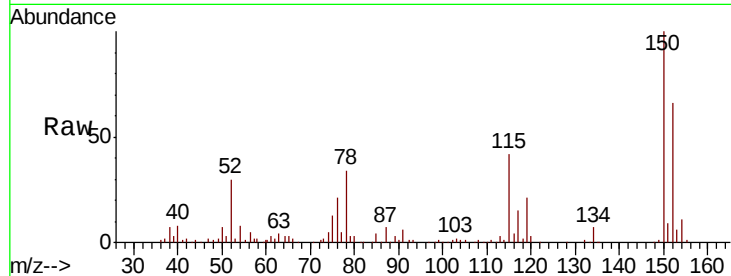




#86
p-Isopropyltoluene
Concen: 0.849 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

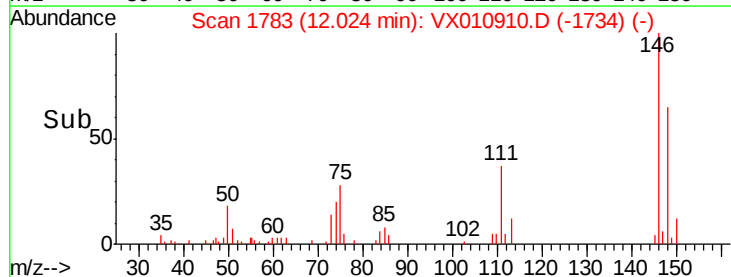
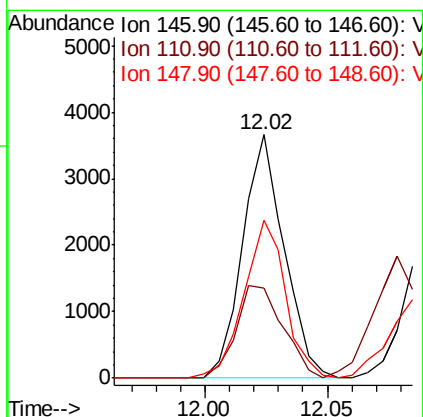
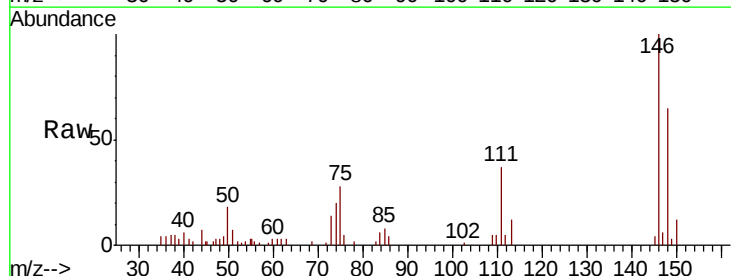
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2019

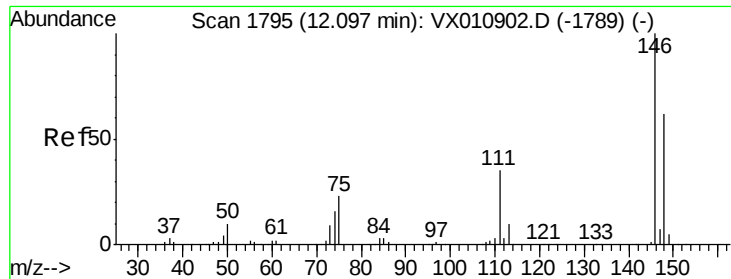
Tot Ion:119 Resp: 6990
Ion Ratio Lower Upper
119 100
134 30.9 13.4 40.1
91 30.6 11.8 35.4



#87
1,3-Dichlorobenzene
Concen: 0.971 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX010910.D
Acq: 16 Jul 2019 16:42

Tgt Ion:146 Resp: 4302
Ion Ratio Lower Upper
146 100
111 42.8 18.9 56.9
148 65.2 32.2 96.6

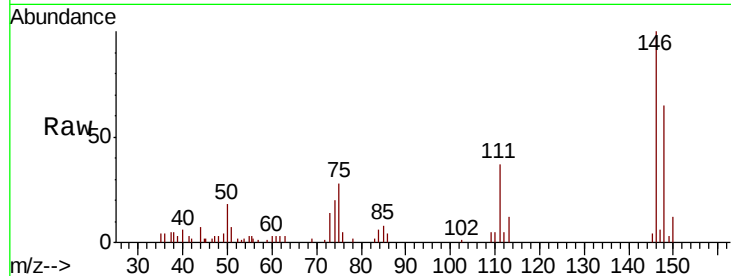




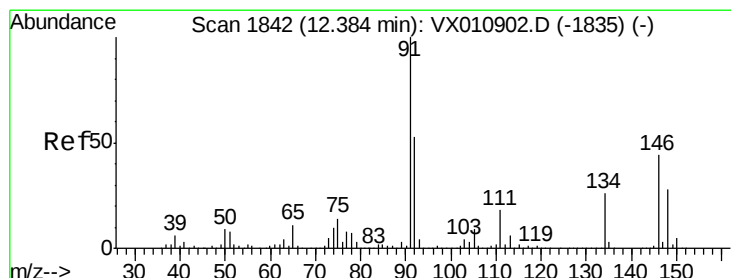
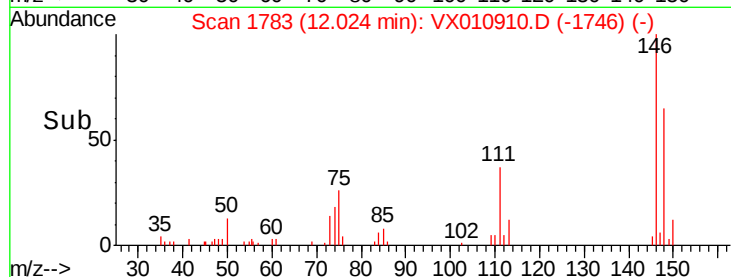
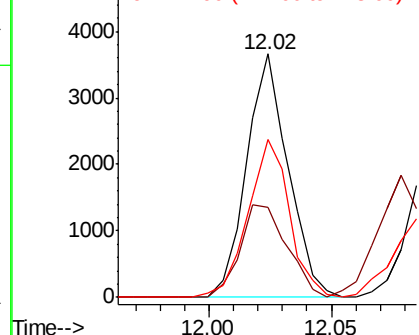
#88
 1,4-Dichlorobenzene
 Concen: 0.947 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion:146 Resp: 4302
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.6 55.8
 148 65.2 31.6 94.7

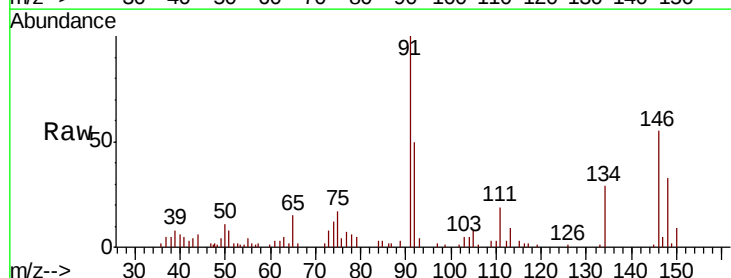


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

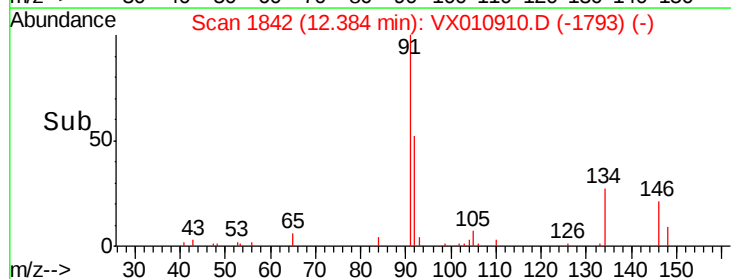
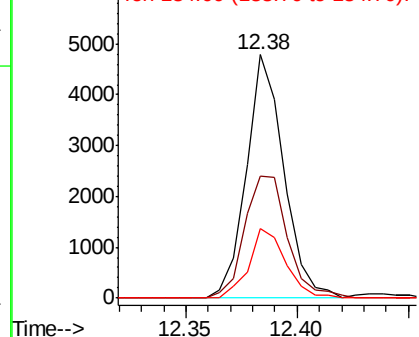


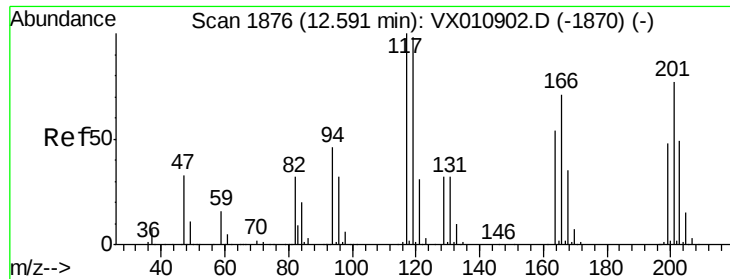
#89
 n-Butylbenzene
 Concen: 0.797 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

Tgt Ion: 91 Resp: 5615
 Ion Ratio Lower Upper
 91 100
 92 57.8 26.2 78.5
 134 28.1 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.751 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

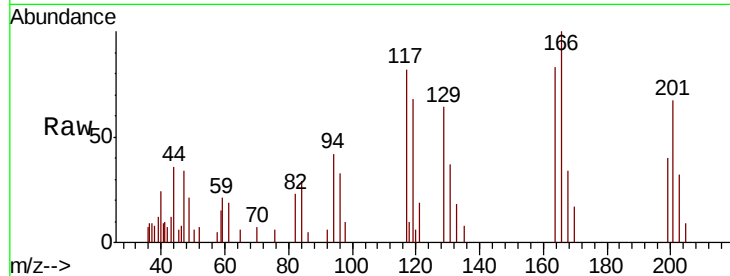
LOQ-WATER-02-QT3-2019

Tot Ion:117 Resp: 975

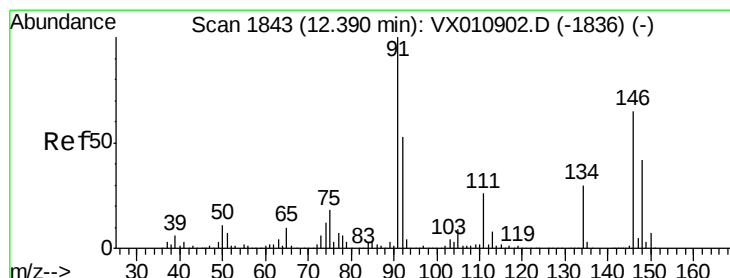
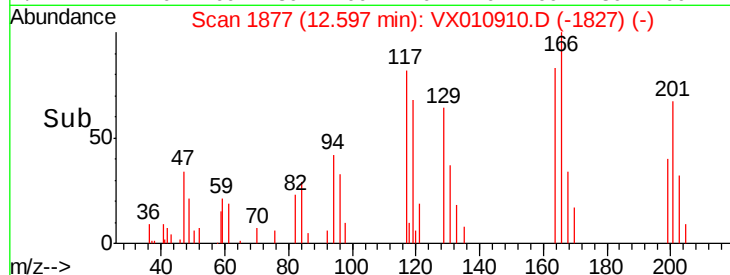
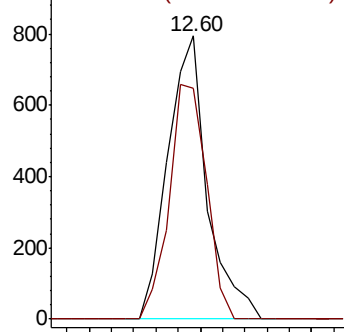
Ion Ratio Lower Upper

117 100

201 79.0 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 1.006 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

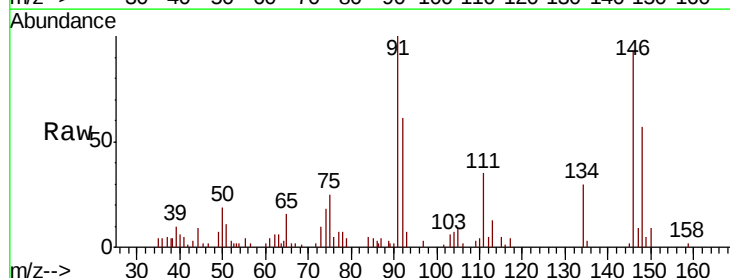
Tgt Ion:146 Resp: 4419

Ion Ratio Lower Upper

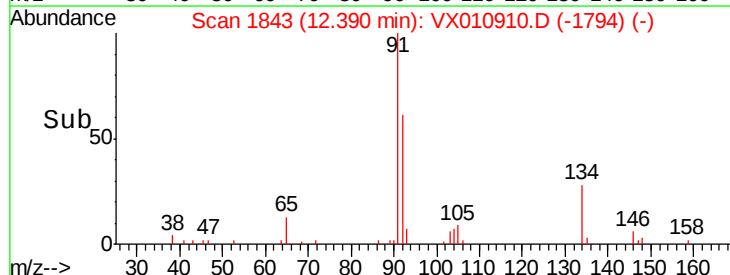
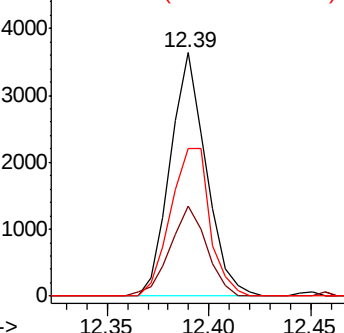
146 100

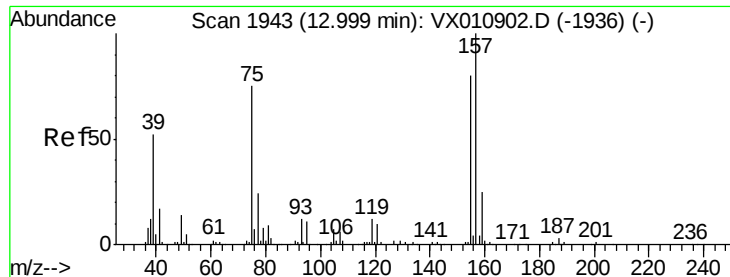
111 37.7 19.9 59.7

148 67.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.959 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

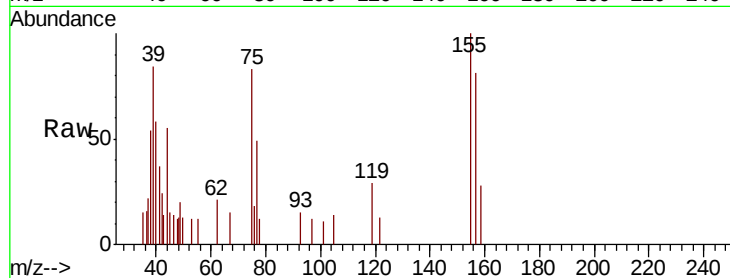
MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 75 Resp: 607

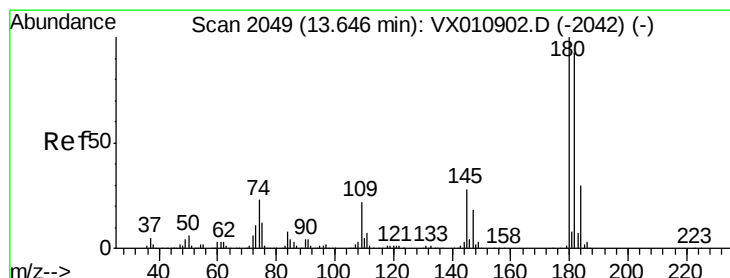
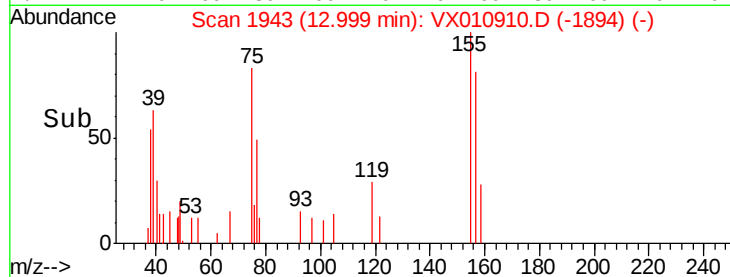
Ion	Ratio	Lower	Upper
75	100		
155	87.3	48.7	146.1
157	88.8	62.5	187.6



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: 0.933 ug/l

RT: 13.65 min Scan# 2049

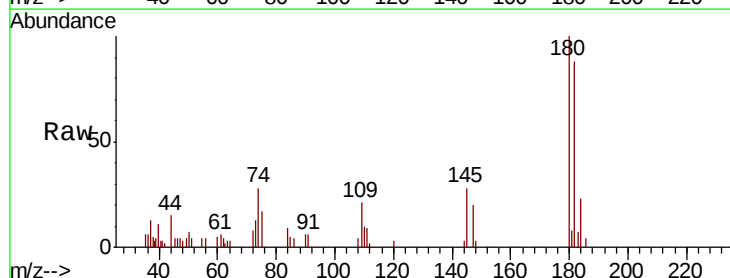
Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Tgt Ion: 180 Resp: 2776

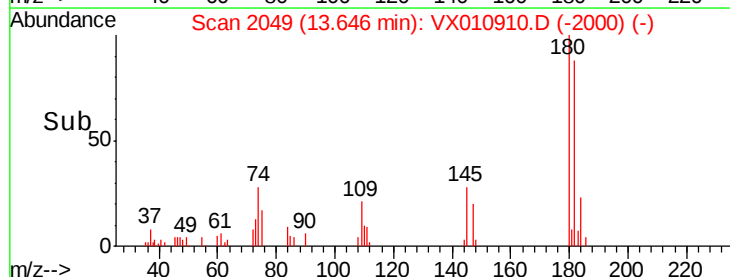
Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.1	141.3
145	32.6	14.8	44.4



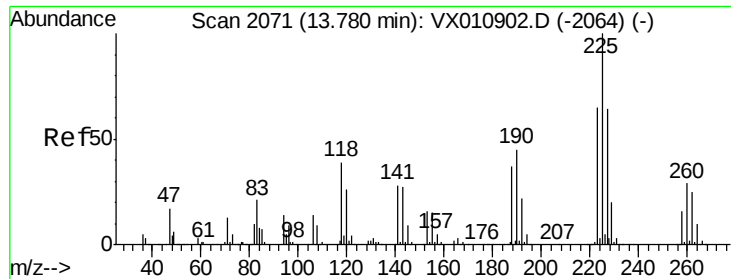
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 0.915 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2019

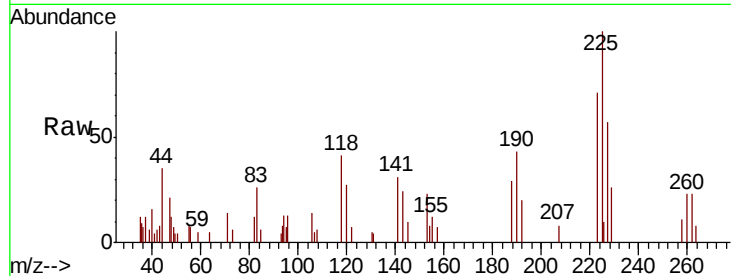
Tot Ion:225 Resp: 1349

Ion Ratio Lower Upper

225 100

223 67.3 31.9 95.9

227 64.1 32.5 97.4

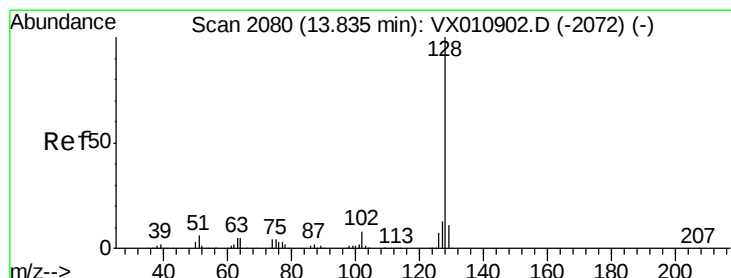
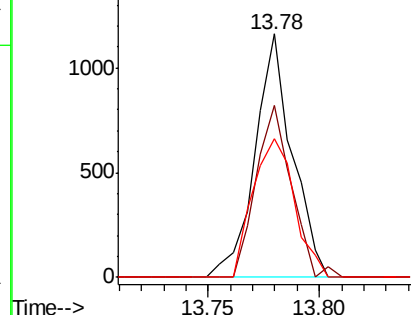
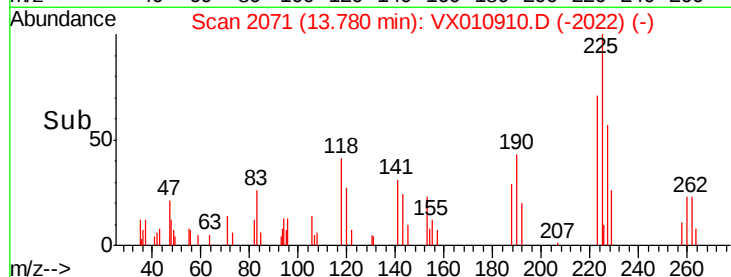


Abundance

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: 0.819 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010910.D

Acq: 16 Jul 2019 16:42

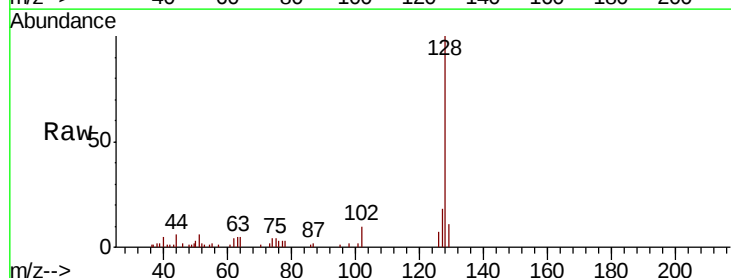
Tgt Ion:128 Resp: 7198

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 12.0 8.9 13.3

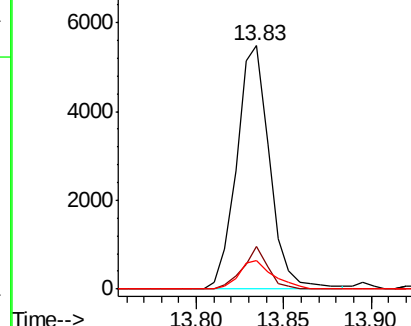
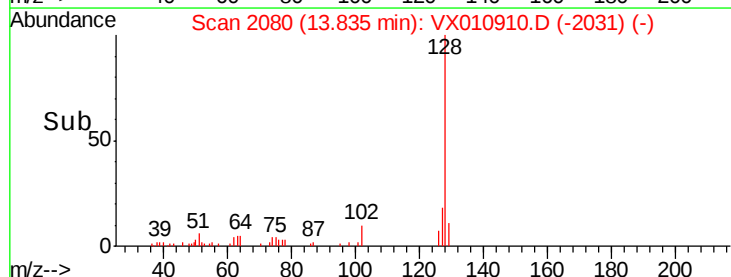


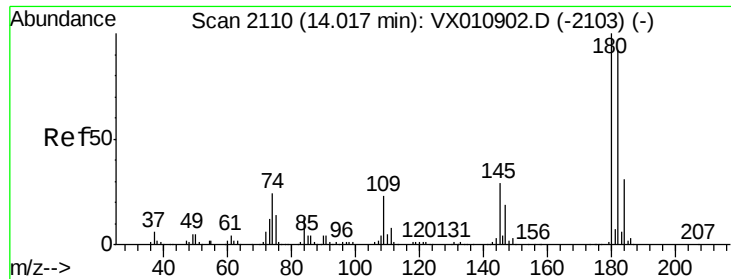
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.963 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010910.D
 Acq: 16 Jul 2019 16:42

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

Tot Ion:180 Resp: 2852
 Ion Ratio Lower Upper
 180 100
 182 85.6 47.4 142.3
 145 32.0 15.1 45.3

