

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005298.D
 Acq On : 12 Oct 2018 17:25
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Oct 13 02:35:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	145202	71.94	ug/l	0.00
Spiked Amount			Recovery	=	143.88%	
35) Dibromofluoromethane	5.50	113	107097	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	356479	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	129066	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2175	1.530	ug/l	98
3) Chloromethane	1.32	50	5247	2.547	ug/l	98
4) Vinyl Chloride	1.40	62	4469	2.141	ug/l	96
5) Bromomethane	1.64	94	3961	3.905	ug/l	93
6) Chloroethane	1.71	64	2993	2.534	ug/l	96
7) Trichlorofluoromethane	1.92	101	5302	1.904	ug/l	94
8) Diethyl Ether	2.19	74	3345	2.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2867	1.783	ug/l	98
10) Methyl Iodide	2.50	142	3255	4.243	ug/l #	96
11) Tert butyl alcohol	3.09	59	9058	15.909	ug/l	95
12) 1,1-Dichloroethene	2.37	96	3548	2.228	ug/l	95
13) Acrolein	2.29	56	6995	17.239	ug/l	95
14) Allyl chloride	2.72	41	8783	2.512	ug/l	95
15) Acrylonitrile	3.15	53	19194	14.877	ug/l	99
16) Acetone	2.45	43	17685	15.154	ug/l	95
17) Carbon Disulfide	2.56	76	10408	2.157	ug/l #	94
18) Methyl Acetate	2.78	43	11683	3.519	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	16112	2.872	ug/l	93
20) Methylene Chloride	2.85	84	6031	2.298	ug/l	84
21) trans-1,2-Dichloroethene	3.16	96	4603	2.608	ug/l	85
22) Diisopropyl ether	3.87	45	14614	2.488	ug/l	94
23) Vinyl Acetate	3.83	43	65760	12.809	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	8814	2.618	ug/l	97
25) 2-Butanone	4.70	43	24400	14.290	ug/l	90
26) 2,2-Dichloropropane	4.59	77	5657	2.247	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	5139	2.679	ug/l	59
28) Bromochloromethane	5.02	49	4508	2.938	ug/l	94
29) Tetrahydrofuran	5.17	42	15227	13.981	ug/l	93
30) Chloroform	5.21	83	8691	2.782	ug/l	86
31) Cyclohexane	5.56	56	2206	0.795	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	6327	2.327	ug/l	96
36) 1,1-Dichloropropene	5.80	75	5783	1.845	ug/l	95
37) Ethyl Acetate	4.86	43	8539	2.118	ug/l	97
38) Carbon Tetrachloride	5.78	117	5407	1.717	ug/l #	81

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

39) Methylcyclohexane	7.46	83	3536	1.042	ug/l #	81
40) Benzene	6.14	78	18456	1.963	ug/l #	84
41) Methacrylonitrile	5.06	41	4521	2.092	ug/l #	92
42) 1,2-Dichloroethane	6.20	62	7020	2.114	ug/l	98
43) Isopropyl Acetate	6.46	43	11126	2.072	ug/l	97
44) Trichloroethene	7.21	130	6542	2.129	ug/l	98
45) 1,2-Dichloropropane	7.51	63	4794	2.078	ug/l	96
46) Dibromomethane	7.66	93	3376	2.218	ug/l	96
47) Bromodichloromethane	7.90	83	5573	1.979	ug/l	98
48) Methyl methacrylate	7.78	41	5399	1.938	ug/l	93
49) 1,4-Dioxane	7.76	88	2746	42.746	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	36828	9.904	ug/l	93
52) Toluene	8.79	92	10484	2.038	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5624	1.845	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	6410	1.941	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	4644	2.131	ug/l	94
56) Ethyl methacrylate	9.18	69	6293	1.981	ug/l	88
57) 1,3-Dichloropropane	9.37	76	7756	2.133	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	16478	9.250	ug/l	95
59) 2-Hexanone	9.50	43	29802	9.964	ug/l	88
60) Dibromochloromethane	9.59	129	4383	1.946	ug/l	100
61) 1,2-Dibromoethane	9.67	107	4773	2.087	ug/l	94
64) Tetrachloroethene	9.34	164	4424	1.891	ug/l	89
65) Chlorobenzene	10.14	112	12588	2.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	4319	1.961	ug/l	93
67) Ethyl Benzene	10.25	91	17559	1.747	ug/l	96
68) m/p-Xylenes	10.36	106	13228	3.391	ug/l	99
69) o-Xylene	10.70	106	6622	1.760	ug/l	99
70) Styrene	10.71	104	10271	1.660	ug/l	98
71) Bromoform	10.86	173	3718	1.889	ug/l #	99
73) Isopropylbenzene	11.02	105	14894	1.645	ug/l	98
74) N-amyl acetate	10.90	43	8191	1.875	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	7849	2.297	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	8609	2.913	ug/l	90
77) Bromobenzene	11.26	156	5711	2.205	ug/l	97
78) n-propylbenzene	11.36	91	18070	1.734	ug/l	99
79) 2-Chlorotoluene	11.42	91	12621	1.977	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13439	1.733	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	63712	65.510	ug/l #	10
82) 4-Chlorotoluene	11.51	91	14258	1.884	ug/l	98
83) tert-Butylbenzene	11.77	119	13068	1.664	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	13658	1.711	ug/l	99
85) sec-Butylbenzene	11.94	105	13605	1.464	ug/l	100
86) p-Isopropyltoluene	12.07	119	12659	1.507	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	10025	2.072	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11329	2.289	ug/l	86
89) n-Butylbenzene	12.39	91	11002	1.442	ug/l	94
90) Hexachloroethane	12.60	117	2448	1.691	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	10707	2.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1827	2.192	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7123	1.966	ug/l	98
94) Hexachlorobutadiene	13.79	225	2660	1.390	ug/l	97
95) Naphthalene	13.83	128	19028	1.811	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	7308	1.972	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

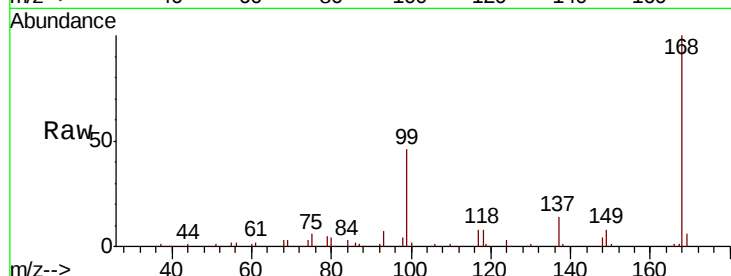
LOQ-WATER-02-QT4-2018

Tot Ion:168 Resp: 181861

Ion Ratio Lower Upper

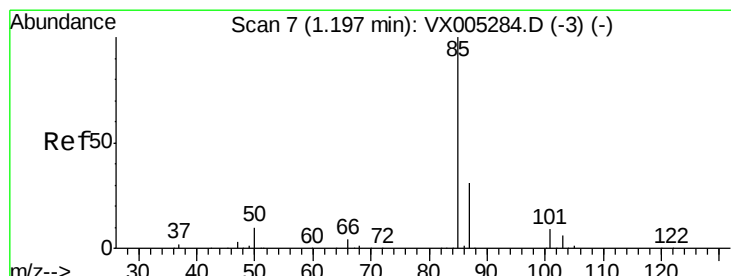
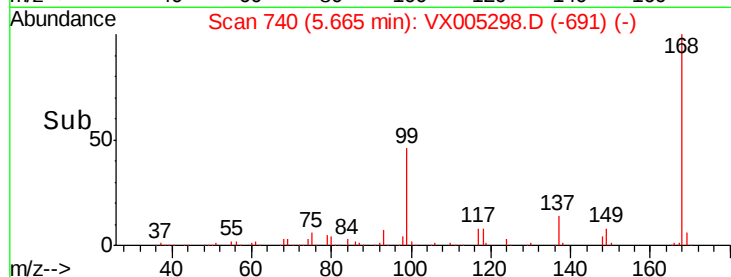
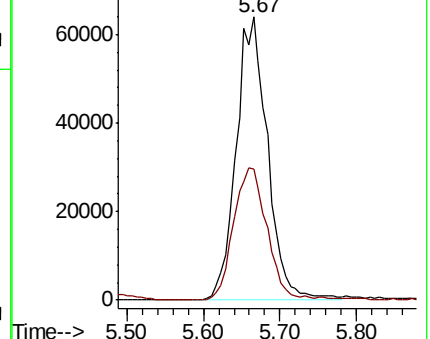
168 100

99 46.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.530 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005298.D

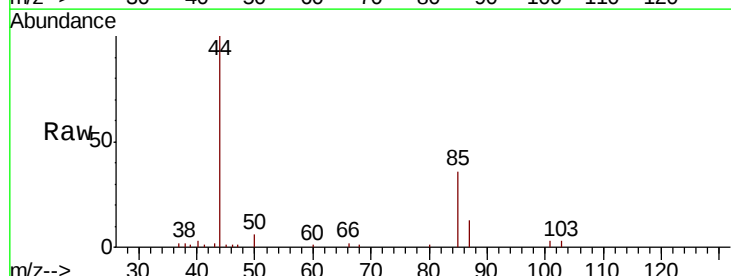
Acq: 12 Oct 2018 17:25

Tgt Ion: 85 Resp: 2175

Ion Ratio Lower Upper

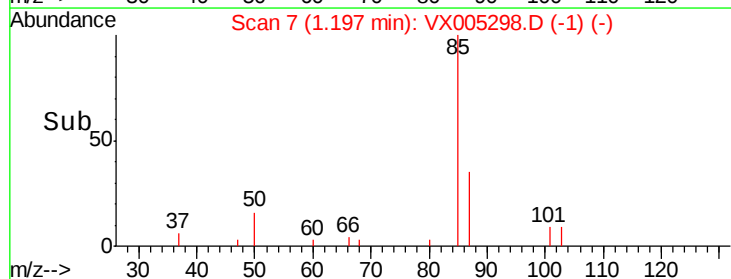
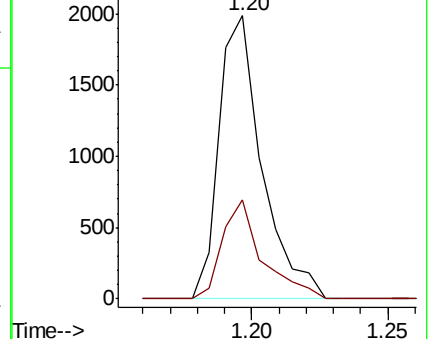
85 100

87 34.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.547 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

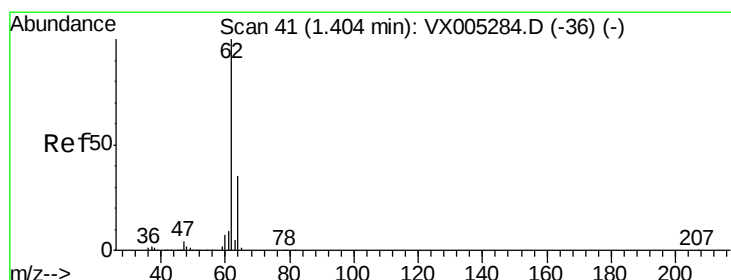
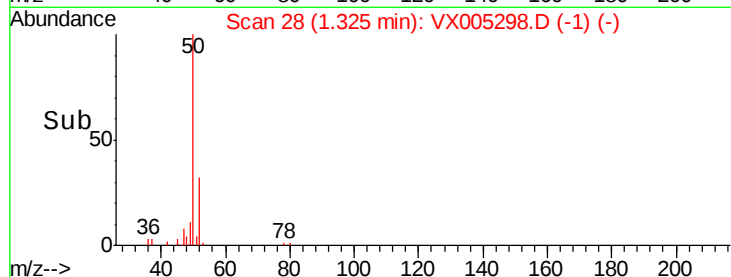
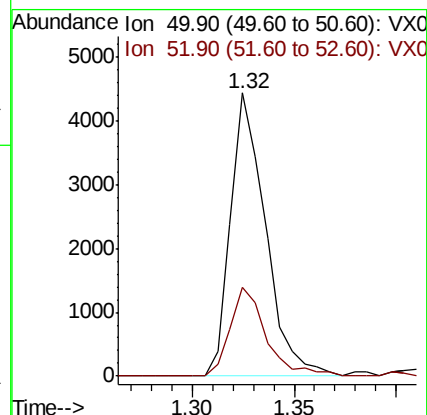
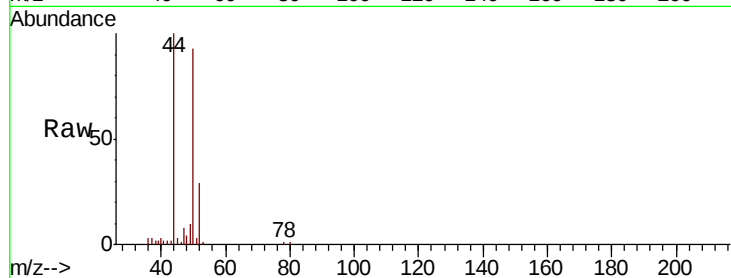
LOQ-WATER-02-QT4-2018

Tot Ion: 50 Resp: 5247

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 2.141 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005298.D

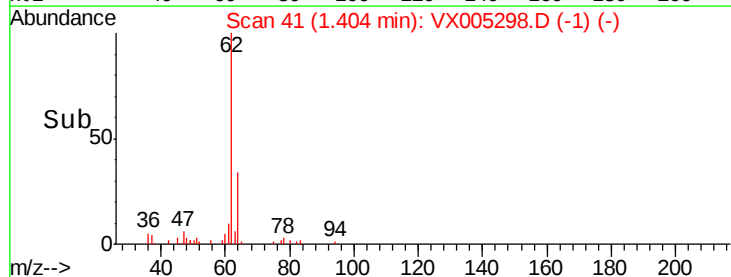
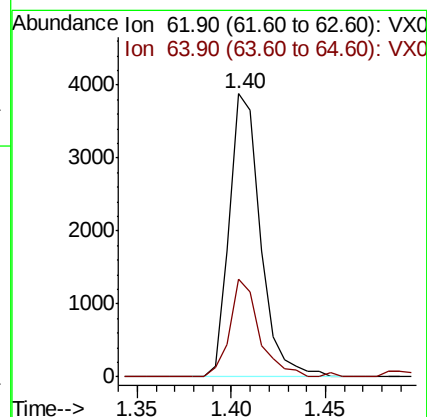
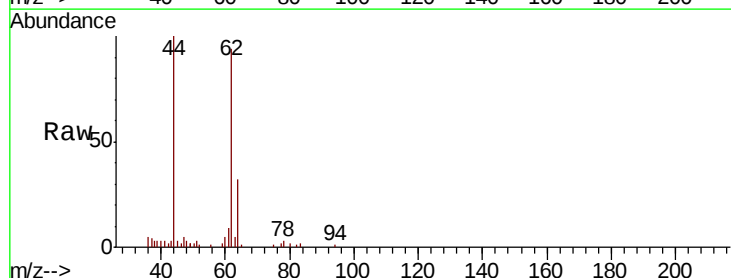
Acq: 12 Oct 2018 17:25

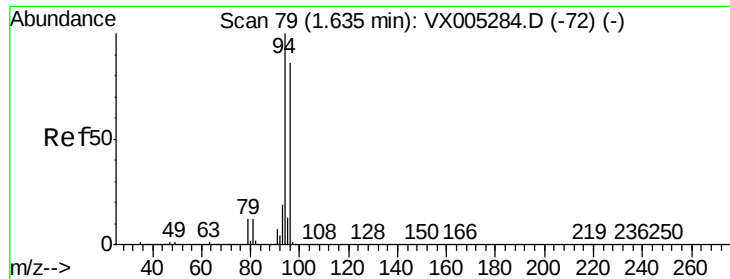
Tgt Ion: 62 Resp: 4469

Ion Ratio Lower Upper

62 100

64 34.3 25.8 38.8





#5

Bromomethane

Concen: 3.905 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

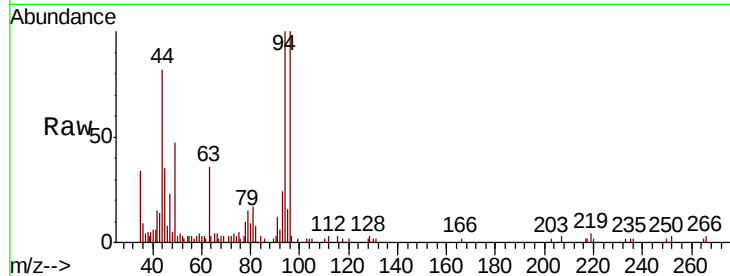
LOQ-WATER-02-QT4-2018

Tot Ion: 94 Resp: 3961

Ion Ratio Lower Upper

94 100

96 99.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

3000

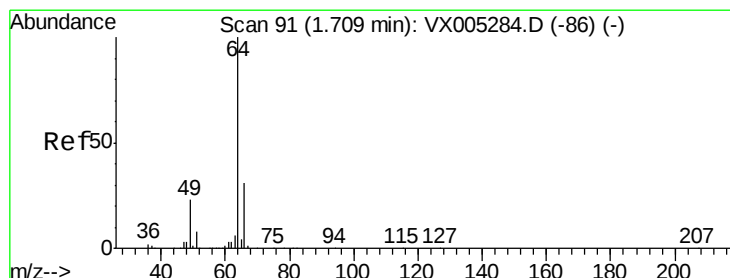
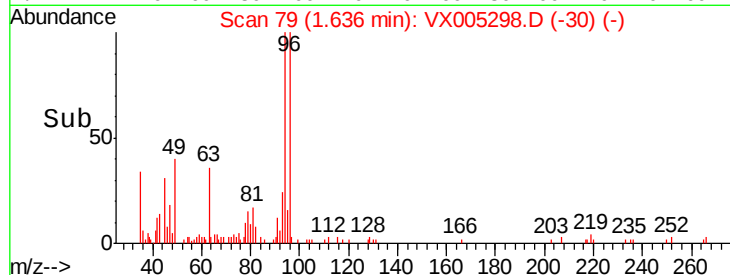
2000

1000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 2.534 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005298.D

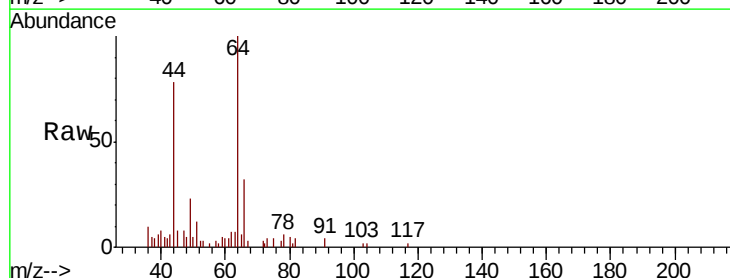
Acq: 12 Oct 2018 17:25

Tgt Ion: 64 Resp: 2993

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

1500

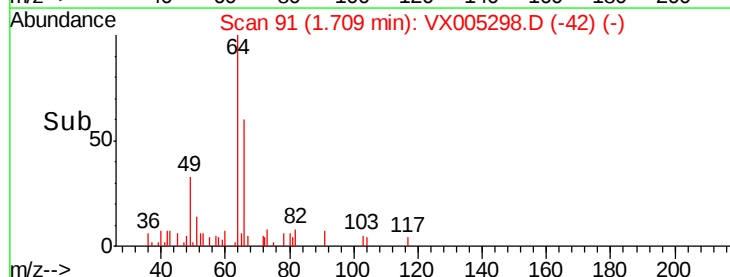
1000

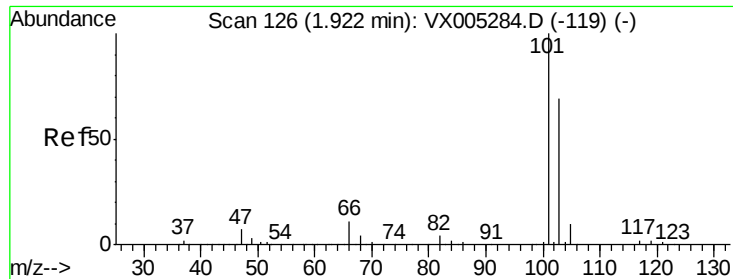
500

0

Time-->

1.65 1.70 1.75



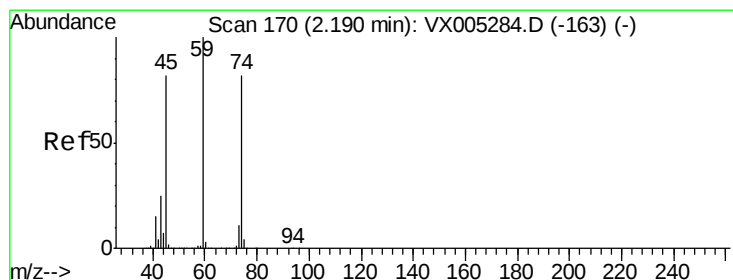
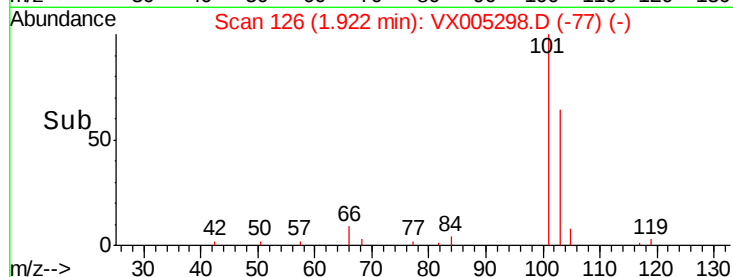
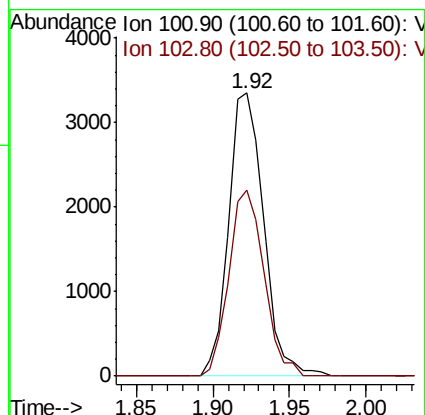
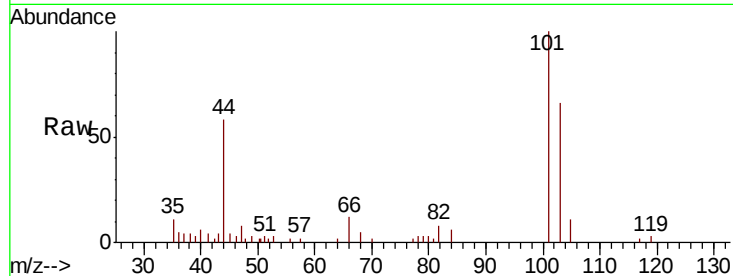


#7

Trichlorofluoromethane
 Concen: 1.904 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
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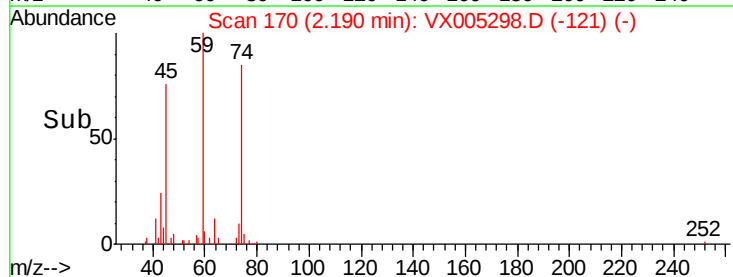
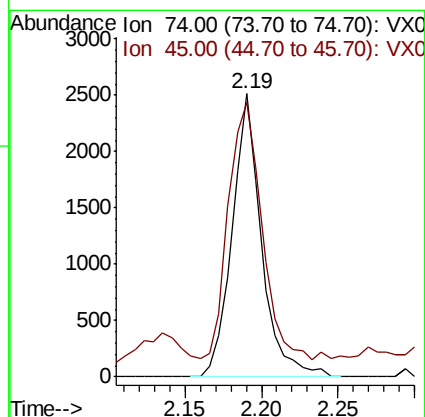
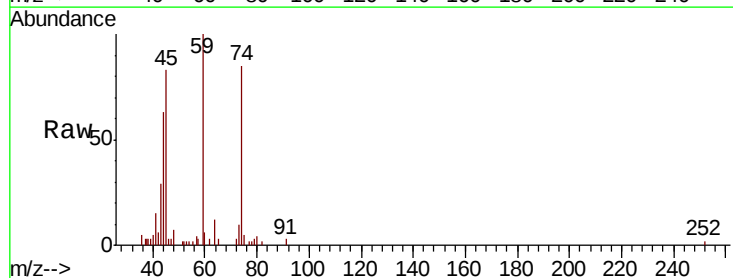
Tot Ion:101 Resp: 5302
 Ion Ratio Lower Upper
 101 100
 103 65.6 48.9 73.3

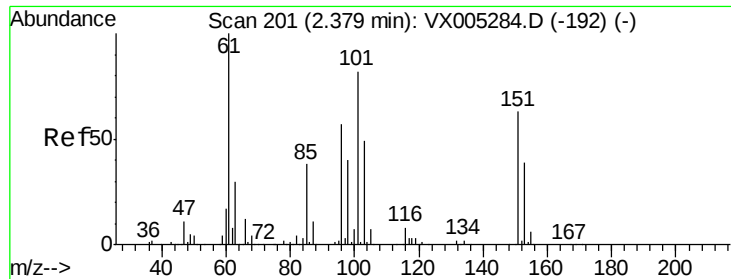


#8

Diethyl Ether
 Concen: 2.812 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 74 Resp: 3345
 Ion Ratio Lower Upper
 74 100
 45 103.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.783 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

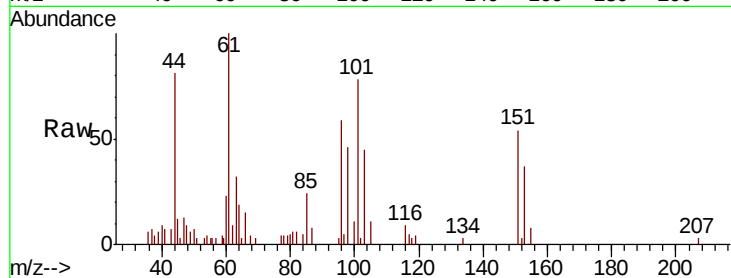
Tot Ion:101 Resp: 2867

Ion Ratio Lower Upper

101 100

85 39.8 34.2 51.4

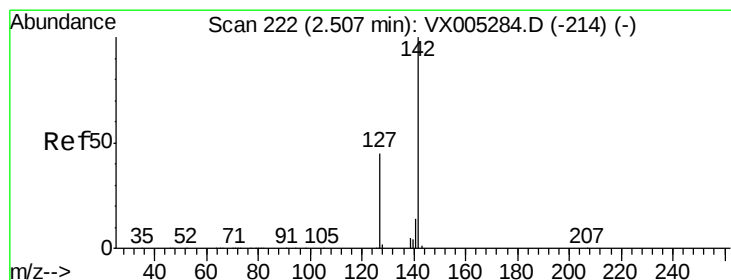
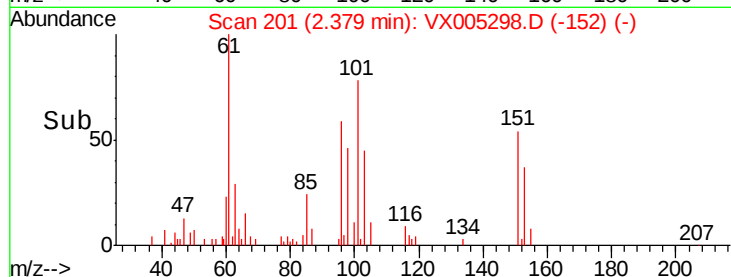
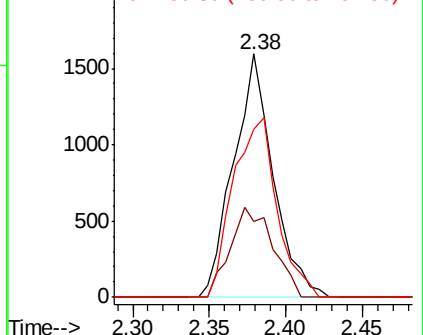
151 81.4 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.243 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

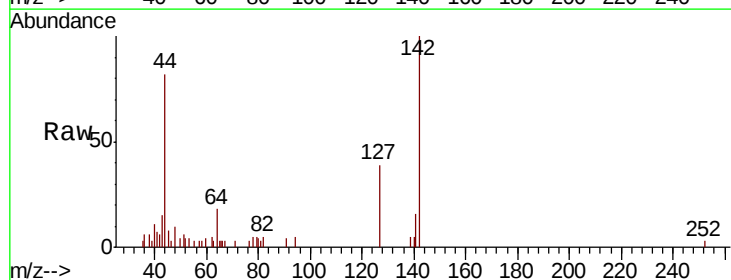
Tgt Ion:142 Resp: 3255

Ion Ratio Lower Upper

142 100

127 43.6 33.8 50.6

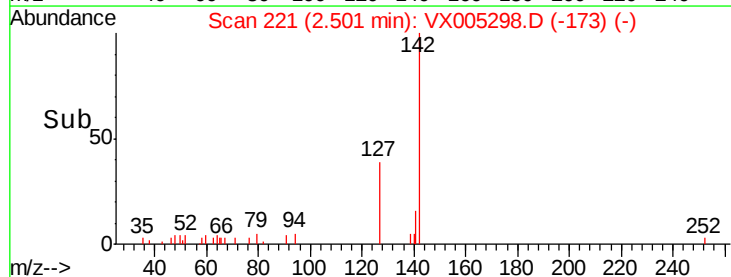
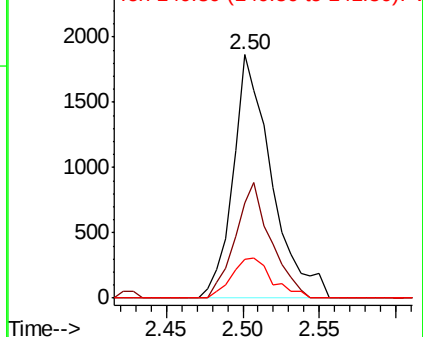
141 17.4 11.4 17.0#

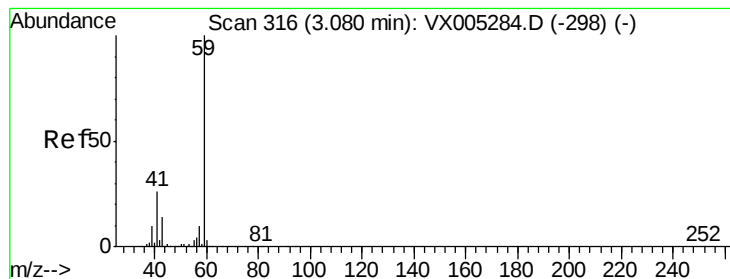


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



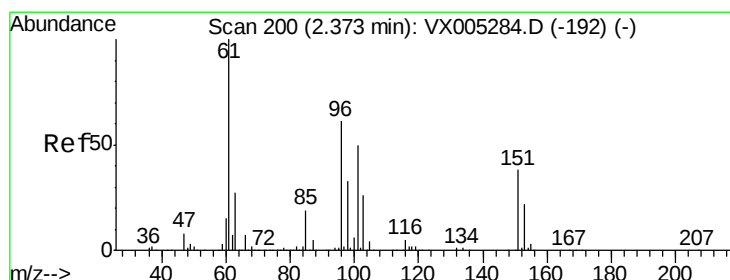
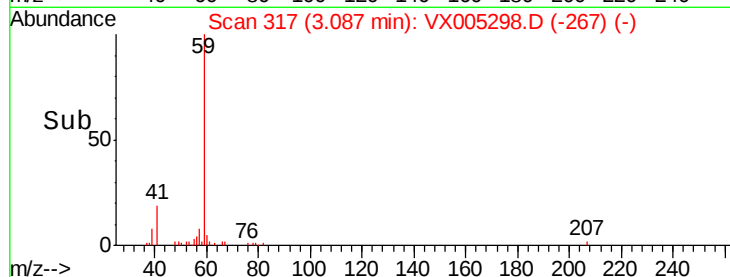
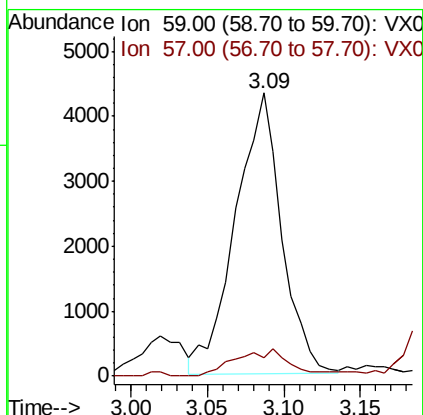
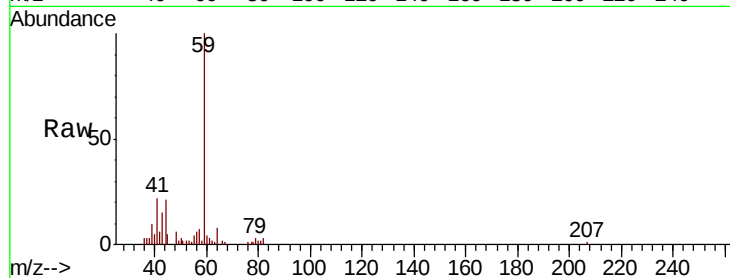


#11

Tert butyl alcohol
Concen: 15.909 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

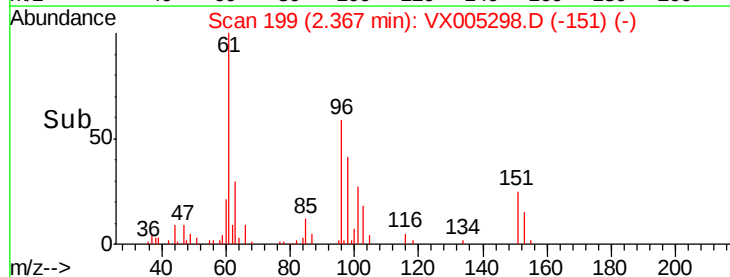
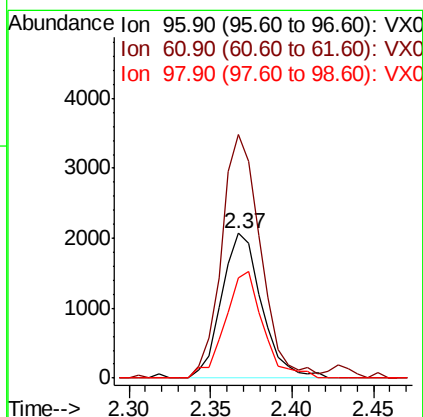
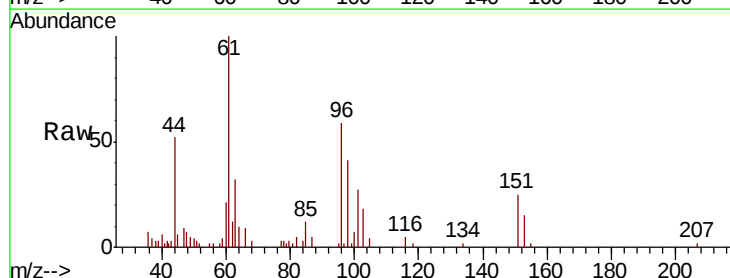
Tot Ion: 59 Resp: 9058
Ion Ratio Lower Upper
59 100
57 12.0 8.2 12.4

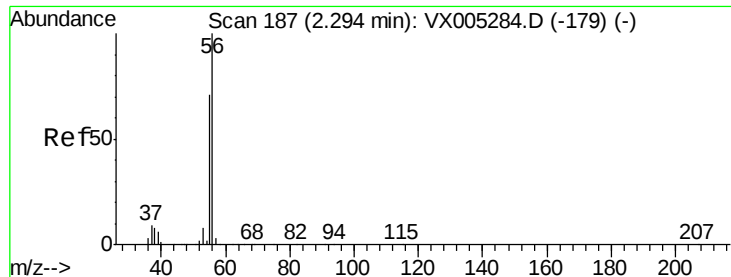


#12

1,1-Dichloroethene
Concen: 2.228 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 96 Resp: 3548
Ion Ratio Lower Upper
96 100
61 168.5 128.8 193.2
98 69.0 52.2 78.2





#13

Acrolein

Concen: 17.239 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

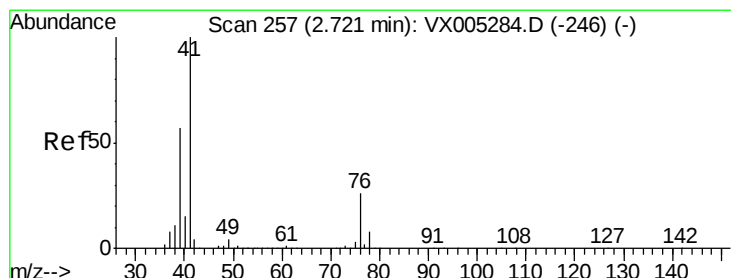
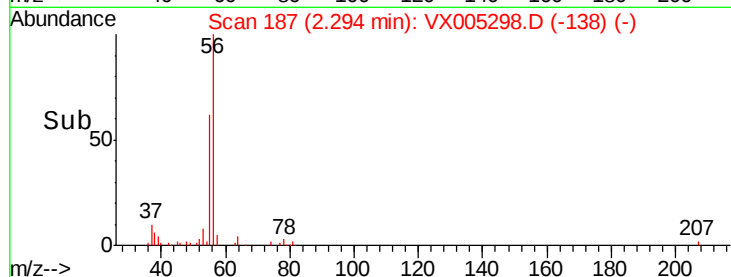
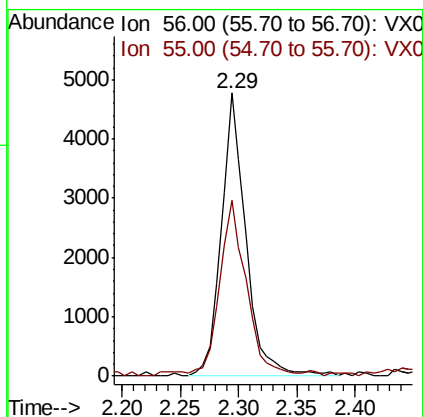
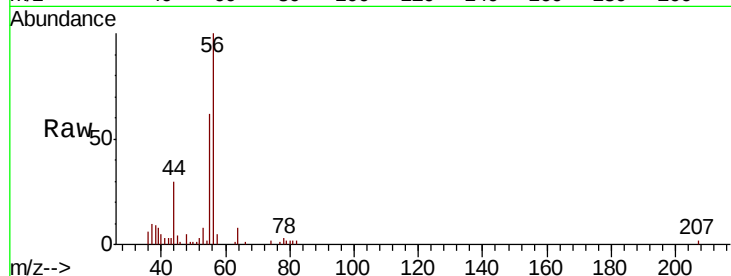
LOQ-WATER-02-QT4-2018

Tot Ion: 56 Resp: 6995

Ion Ratio Lower Upper

56 100

55 64.1 54.7 82.1



#14

Allyl chloride

Concen: 2.512 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

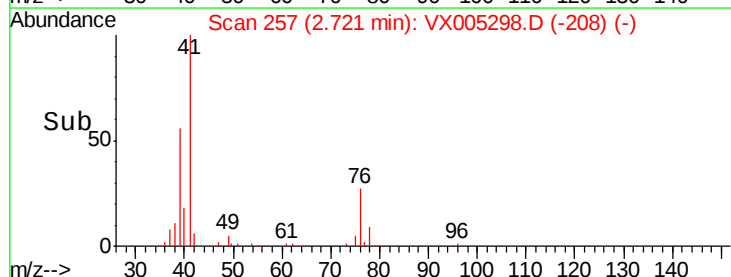
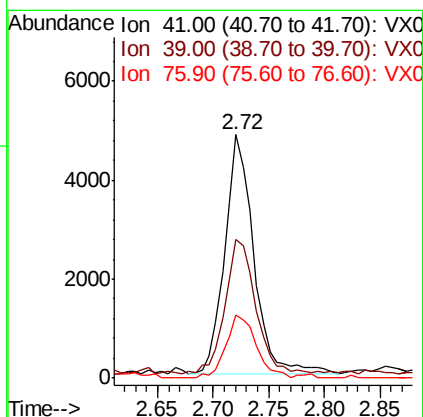
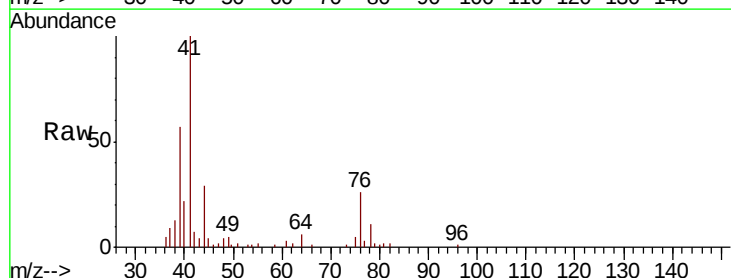
Tgt Ion: 41 Resp: 8783

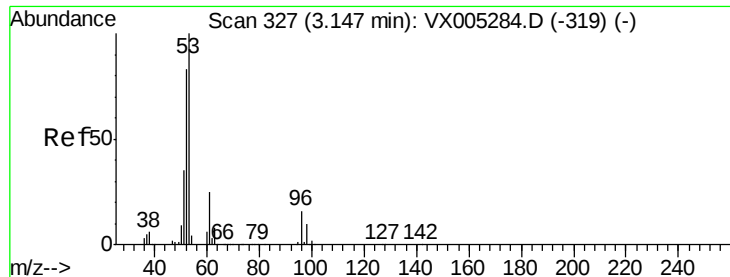
Ion Ratio Lower Upper

41 100

39 59.1 48.9 73.3

76 27.5 26.7 40.1





#15

Acrylonitrile

Concen: 14.877 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

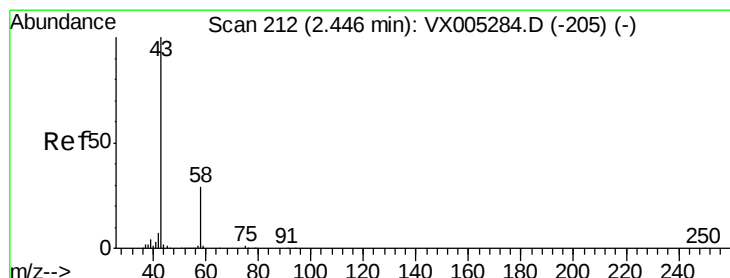
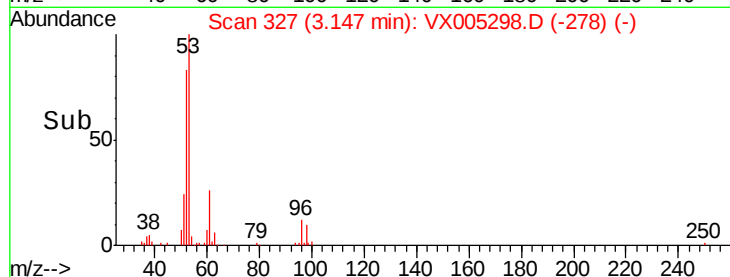
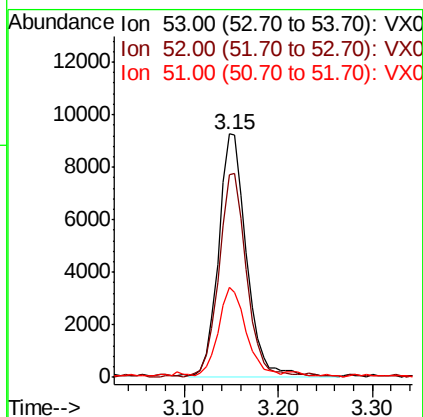
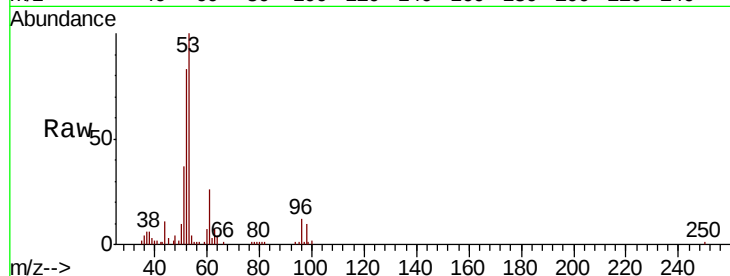
Tot Ion: 53 Resp: 19194

Ion Ratio Lower Upper

53 100

52 82.8 65.2 97.8

51 35.1 28.2 42.2



#16

Acetone

Concen: 15.154 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005298.D

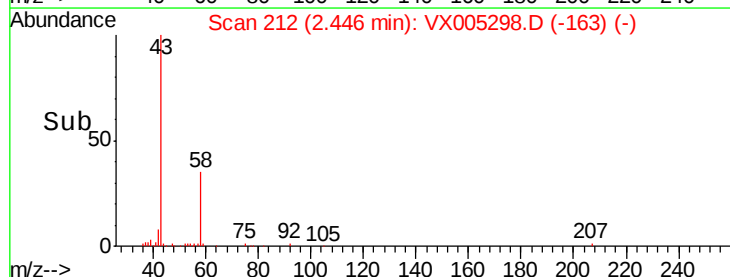
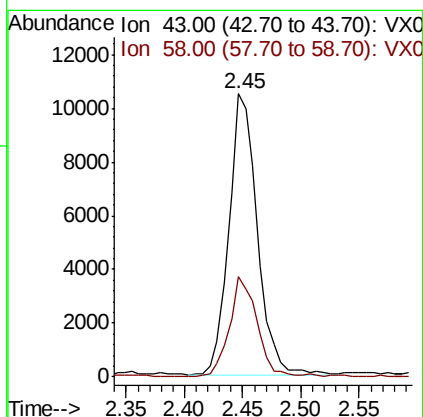
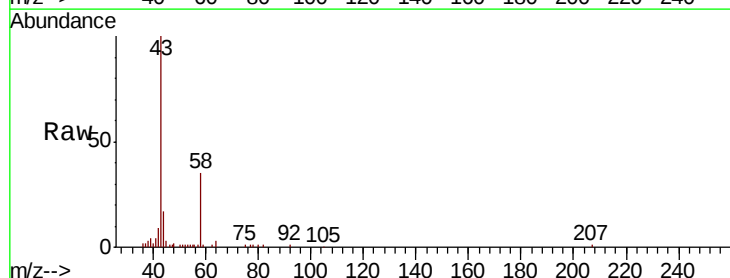
Acq: 12 Oct 2018 17:25

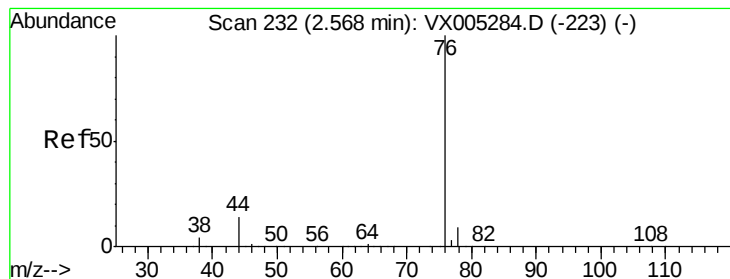
Tgt Ion: 43 Resp: 17685

Ion Ratio Lower Upper

43 100

58 35.7 26.2 39.4





#17

Carbon Disulfide

Concen: 2.157 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

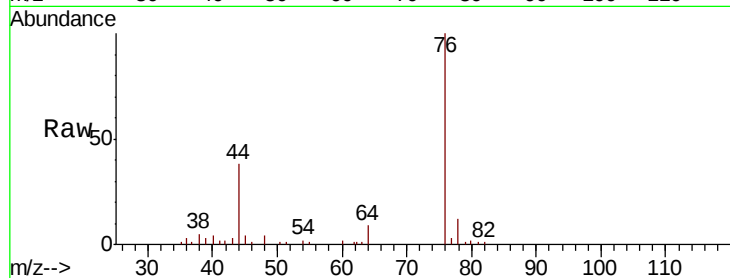
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 10408

Ion Ratio Lower Upper

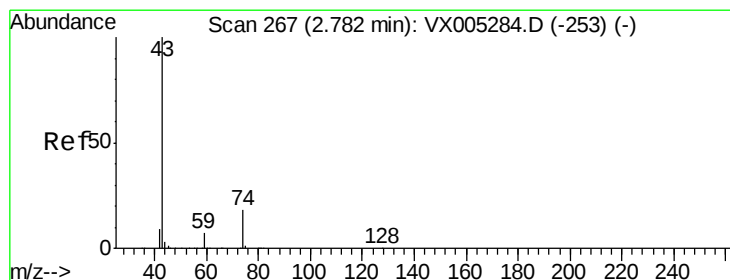
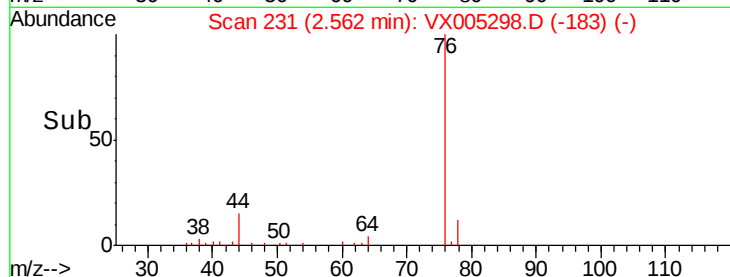
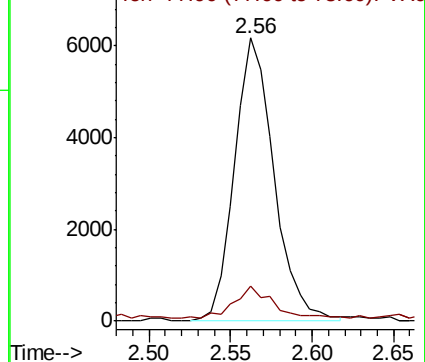
76 100

78 10.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.519 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005298.D

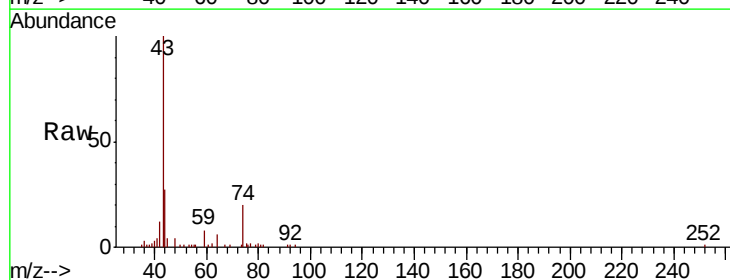
Acq: 12 Oct 2018 17:25

Tgt Ion: 43 Resp: 11683

Ion Ratio Lower Upper

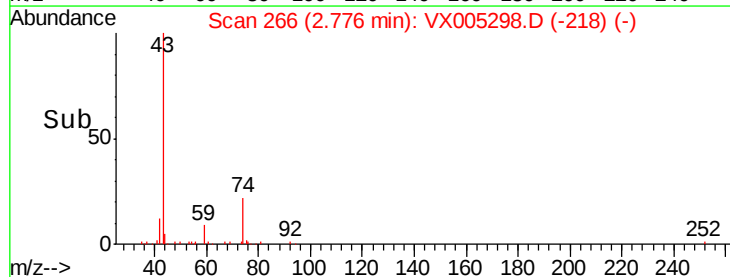
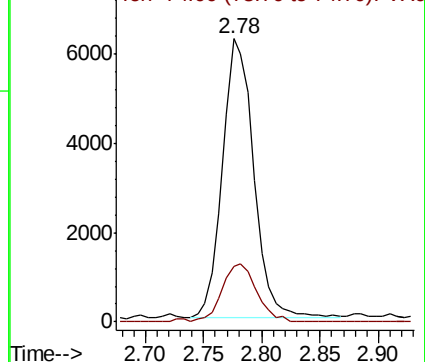
43 100

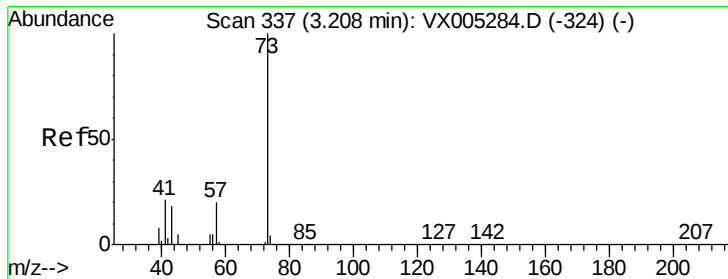
74 22.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



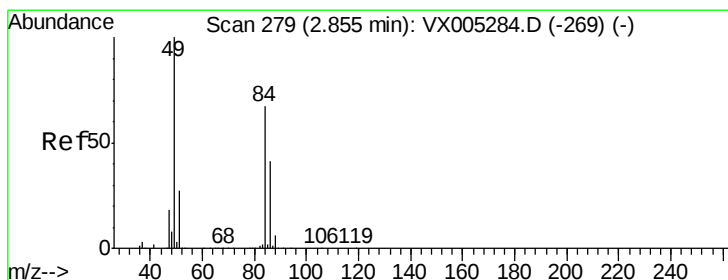
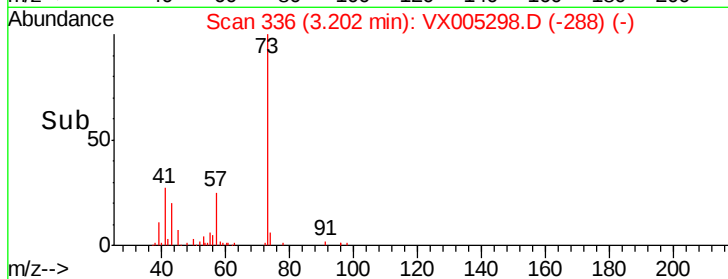
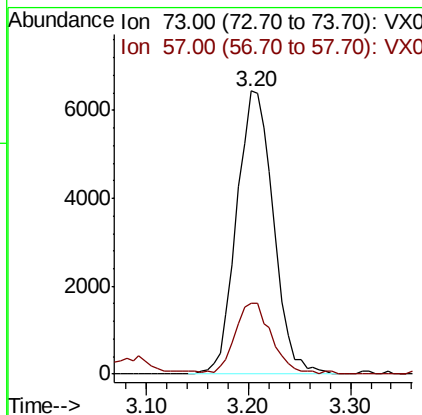
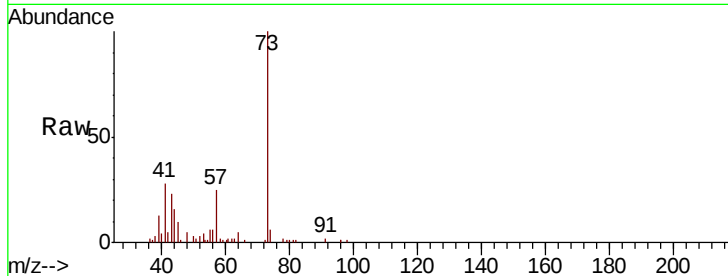


#19

Methyl tert-butyl Ether
 Concen: 2.872 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

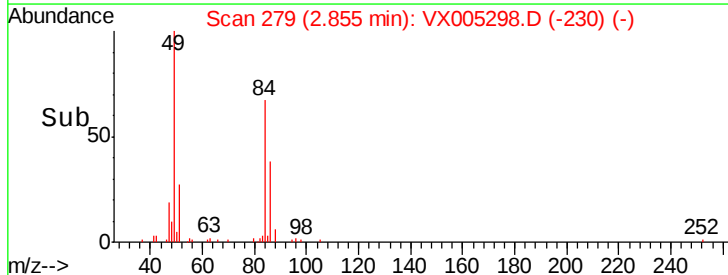
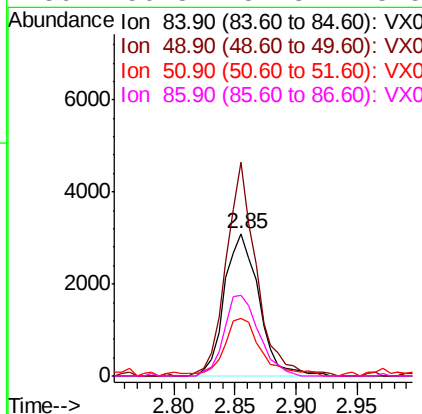
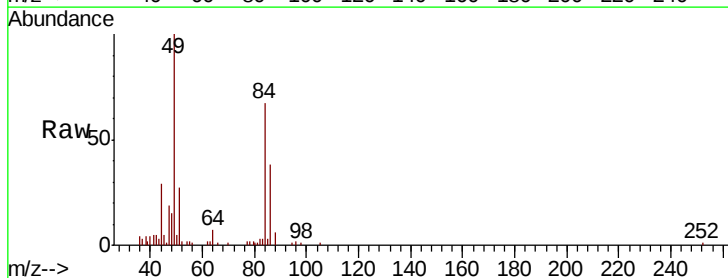
Tot Ion: 73 Resp: 16112
 Ion Ratio Lower Upper
 73 100
 57 24.9 17.1 25.7

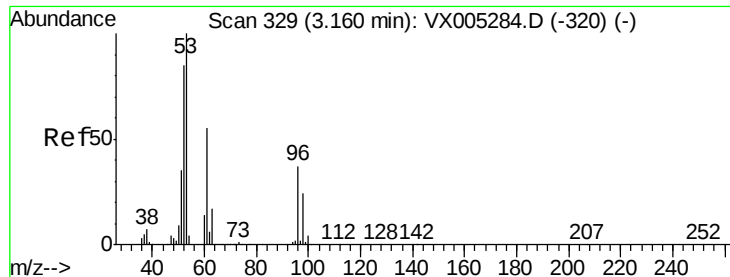


#20

Methylene Chloride
 Concen: 2.298 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 84 Resp: 6031
 Ion Ratio Lower Upper
 84 100
 49 150.2 101.2 151.8
 51 40.5 29.5 44.3
 86 56.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 2.608 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

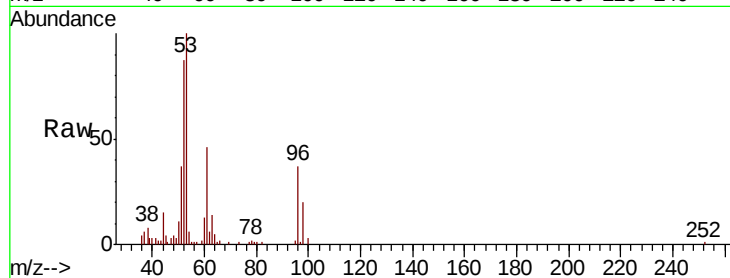
Tot Ion: 96 Resp: 4603

Ion Ratio Lower Upper

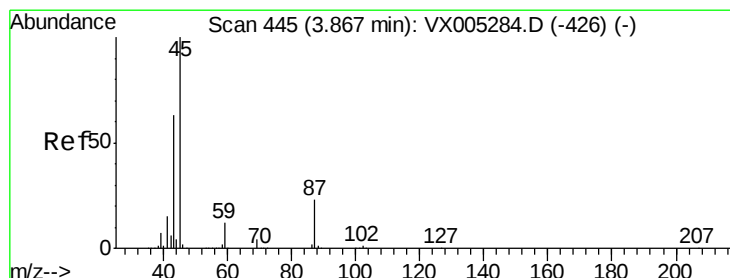
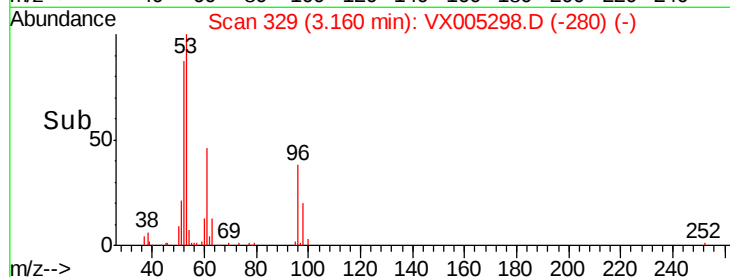
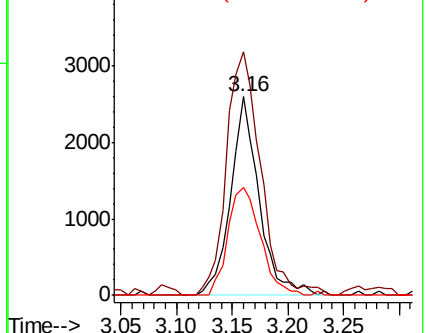
96 100

61 122.7 113.8 170.6

98 54.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 2.488 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion: 45 Resp: 14614

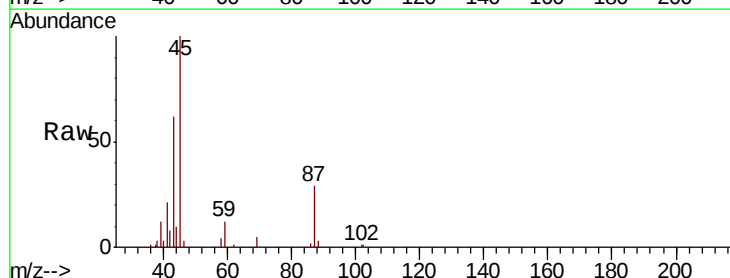
Ion Ratio Lower Upper

45 100

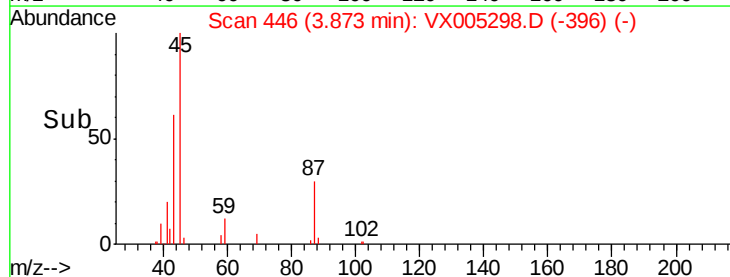
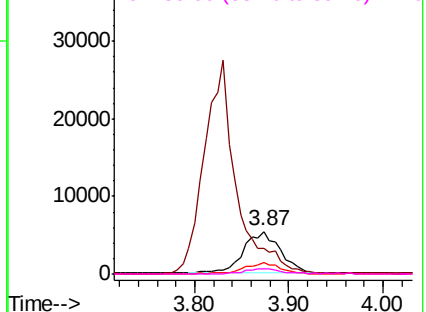
43 60.5 42.8 64.2

87 29.2 22.6 34.0

59 12.1 9.6 14.4



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: 12.809 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

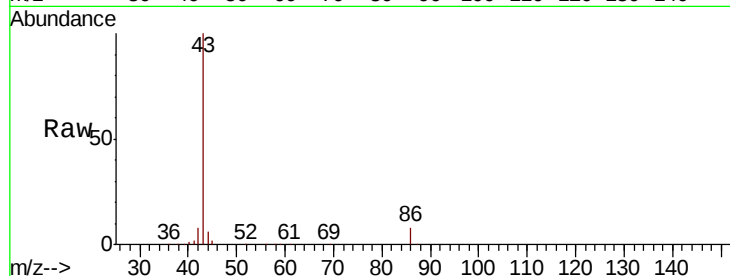
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 65760

Ion Ratio Lower Upper

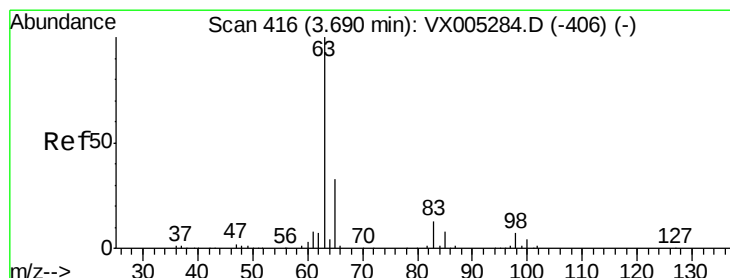
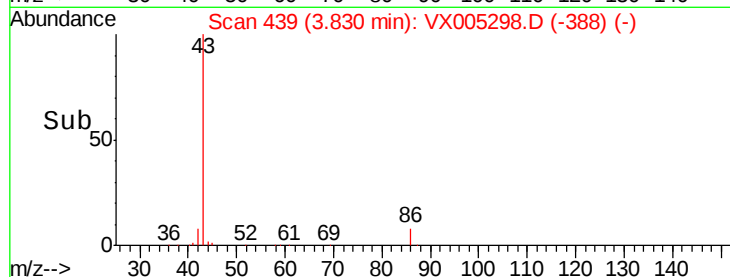
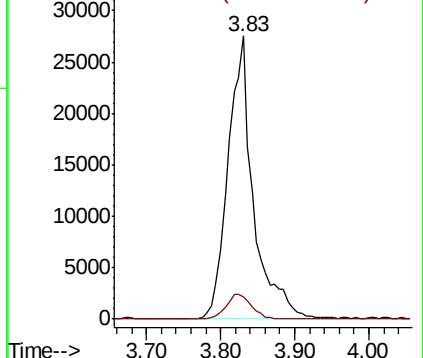
43 100

86 7.8 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.618 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

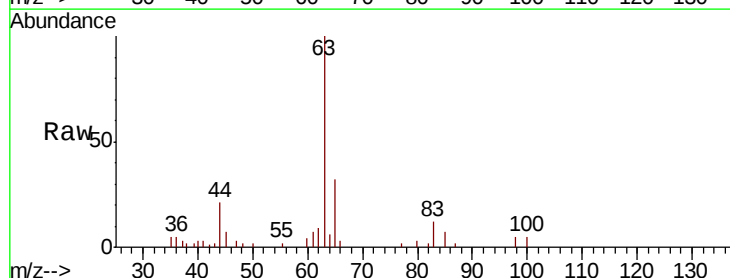
Tgt Ion: 63 Resp: 8814

Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

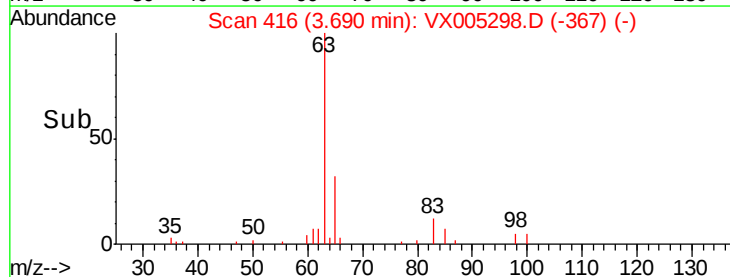
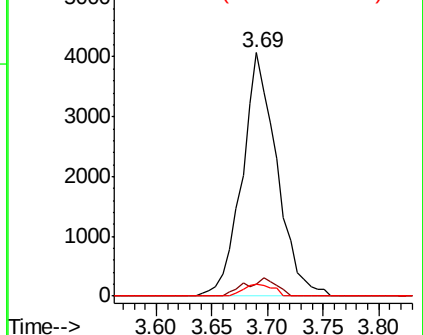
100 4.7 2.4 7.1

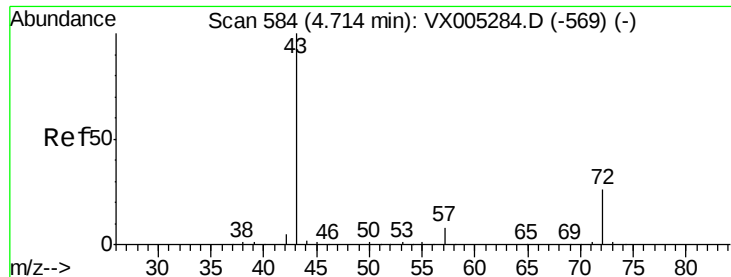


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 14.290 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

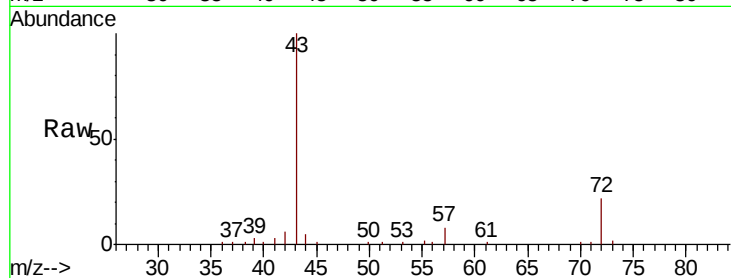
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 24400

Ion Ratio Lower Upper

43 100

72 22.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

10000

8000

6000

4000

2000

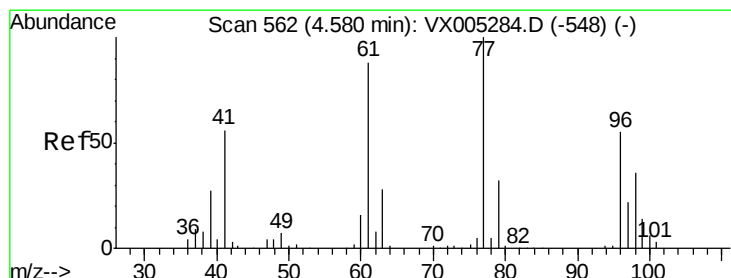
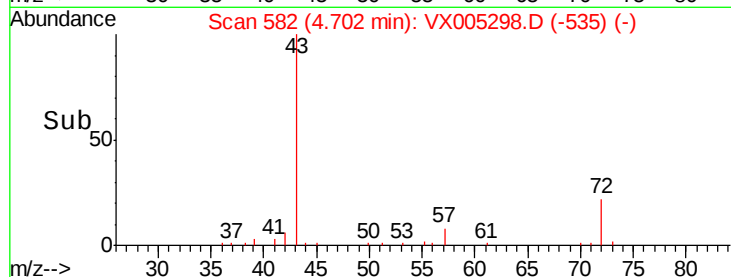
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 2.247 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005298.D

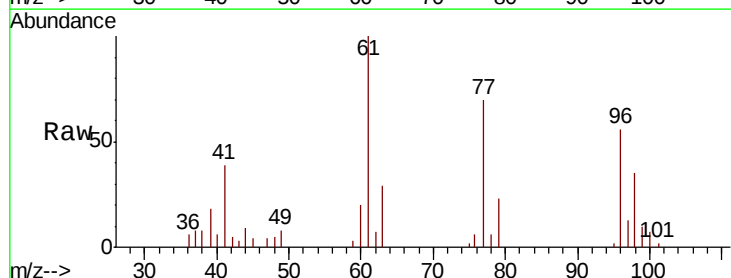
Acq: 12 Oct 2018 17:25

Tgt Ion: 77 Resp: 5657

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

2000

1500

1000

500

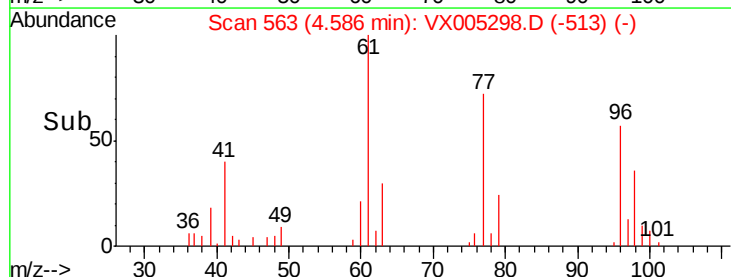
0

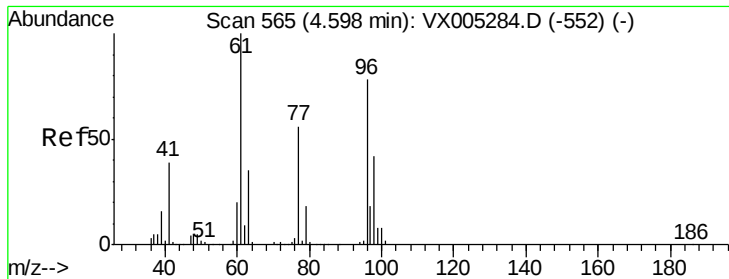
4.50

4.60

4.70

Time-->



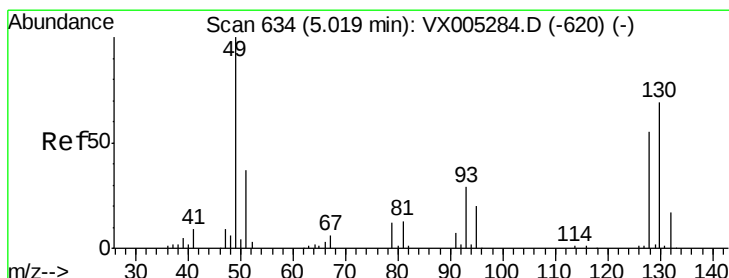
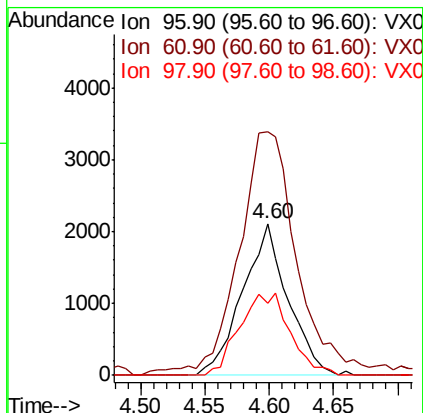
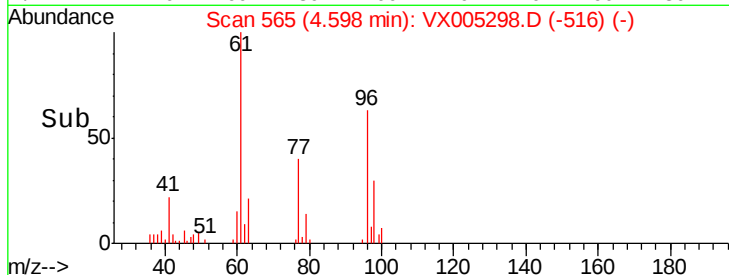
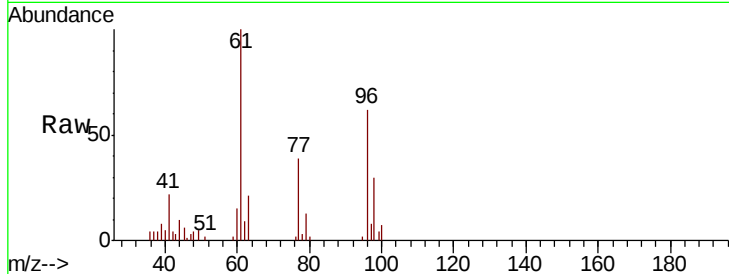


#27

cis-1,2-Dichloroethene
Concen: 2.679 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

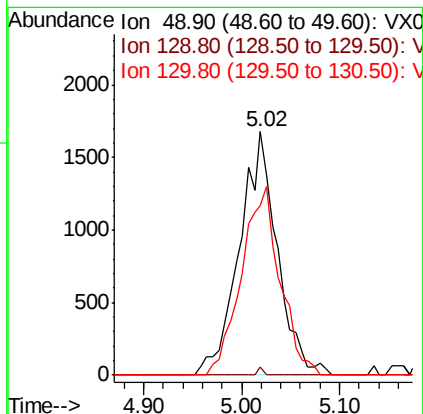
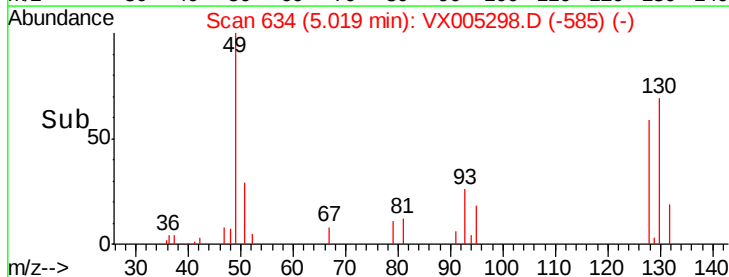
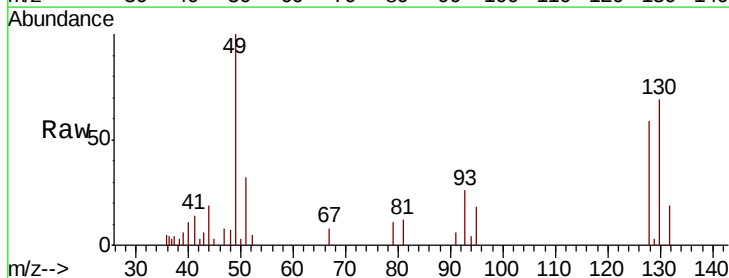
Tot Ion: 96 Resp: 5139
Ion Ratio Lower Upper
96 100
61 211.7 0.0 282.6
98 60.2 0.0 130.2

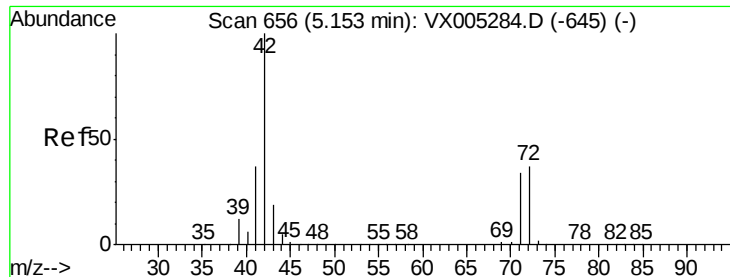


#28

Bromochloromethane
Concen: 2.938 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 49 Resp: 4508
Ion Ratio Lower Upper
49 100
129 0.5 0.0 4.2
130 78.7 67.5 101.3

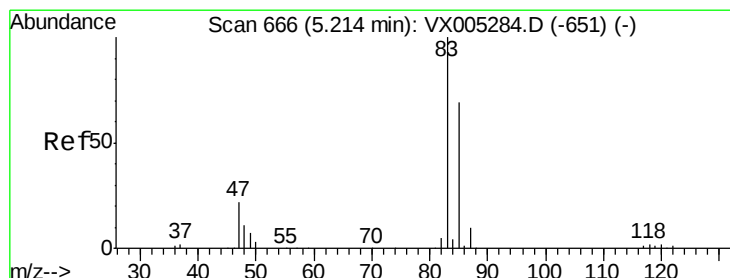
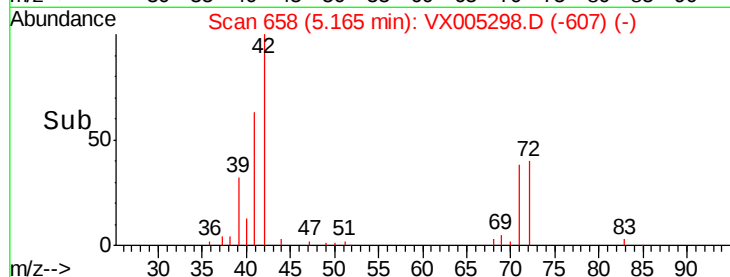
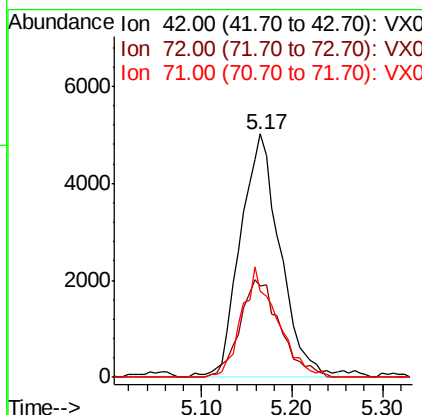
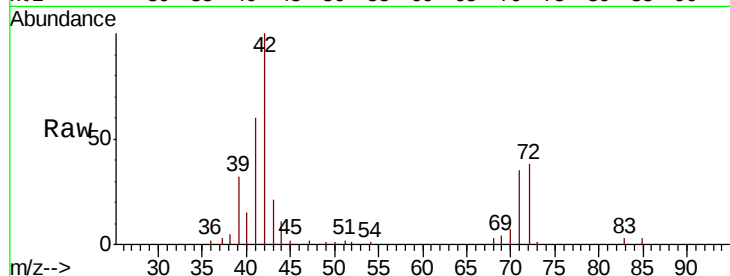




#29
Tetrahydrofuran
Concen: 13.981 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

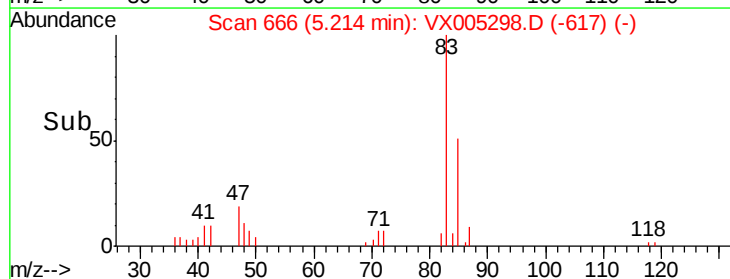
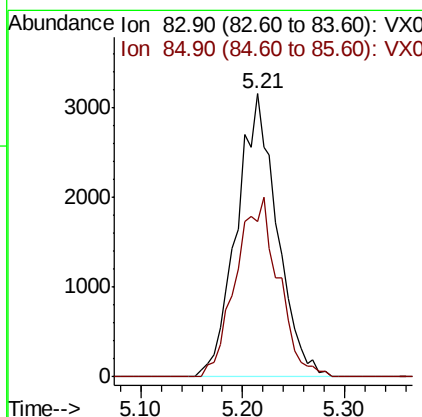
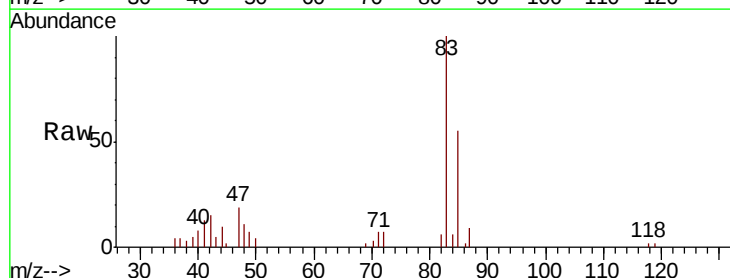
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

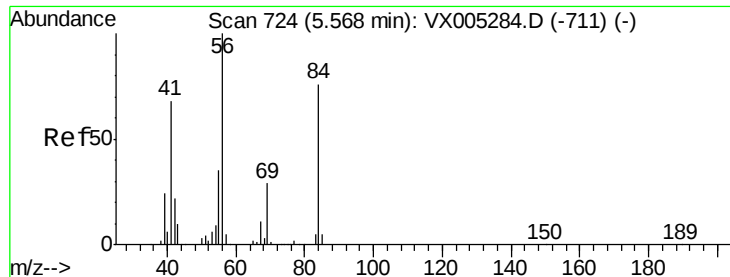
Tot Ion: 42 Resp: 15227
Ion Ratio Lower Upper
42 100
72 40.7 37.4 56.0
71 40.3 34.5 51.7



#30
Chloroform
Concen: 2.782 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 83 Resp: 8691
Ion Ratio Lower Upper
83 100
85 55.0 52.6 79.0

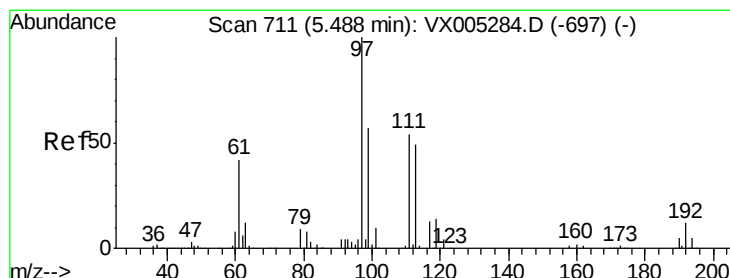
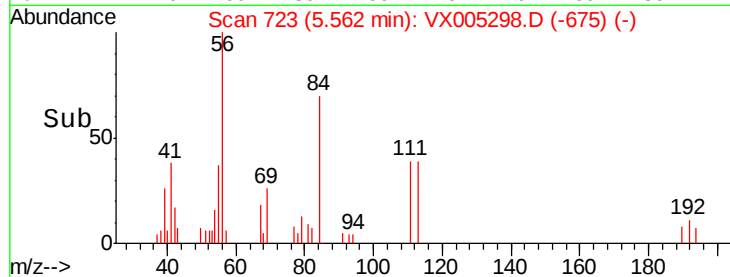
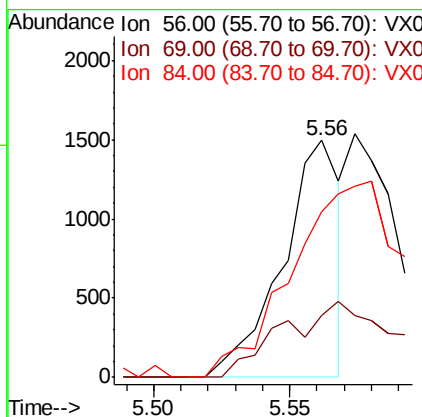
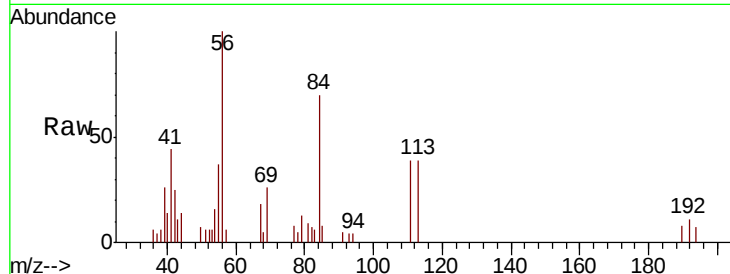




#31
Cvclohexane
Concen: 0.795 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

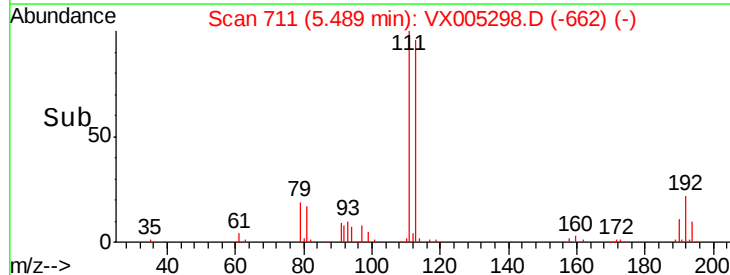
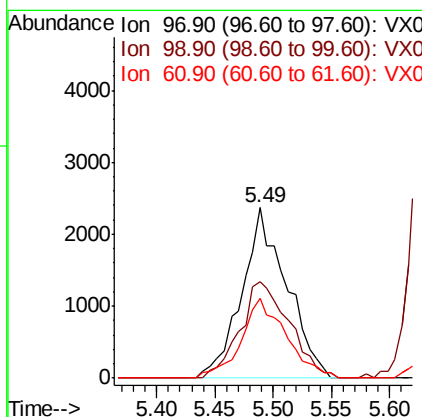
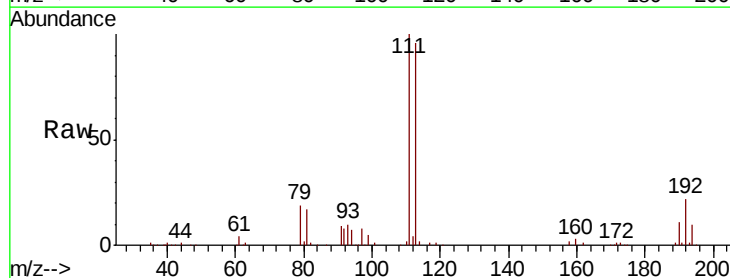
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

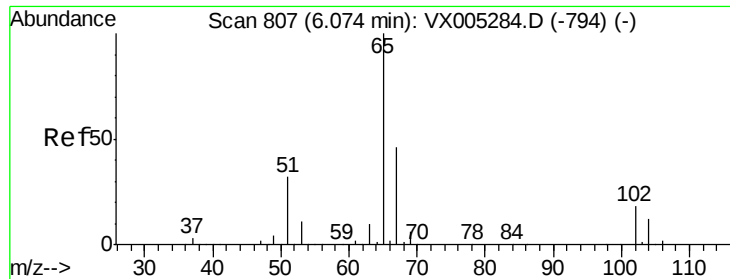
Tot Ion: 56 Resp: 2206
Ion Ratio Lower Upper
56 100
69 26.0 25.4 38.2
84 69.7 71.4 107.2#



#32
1,1,1-Trichloroethane
Concen: 2.327 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 97 Resp: 6327
Ion Ratio Lower Upper
97 100
99 62.0 52.0 78.0
61 46.8 34.9 52.3

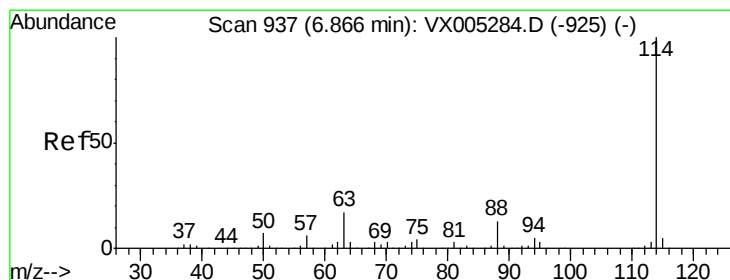
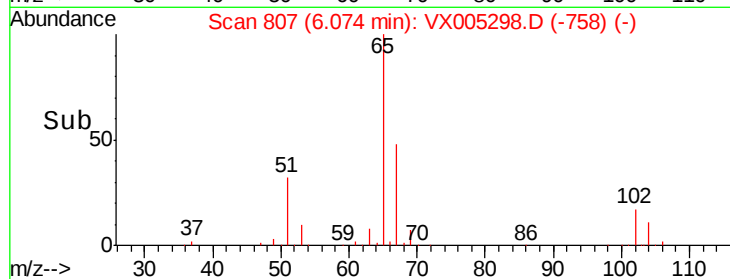
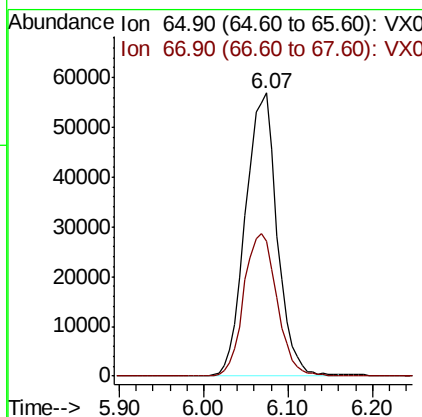
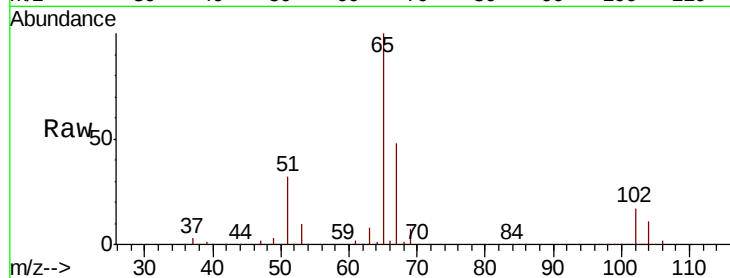




#33
 1,2-Dichloroethane-d4
 Concen: 71.940 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

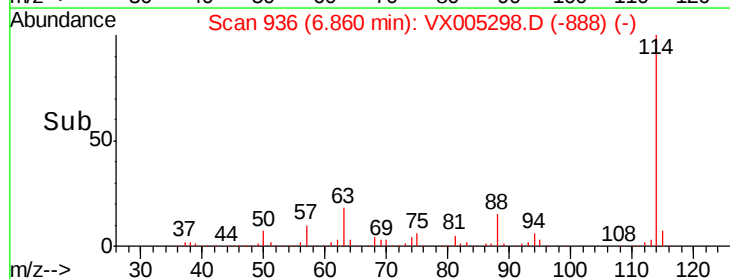
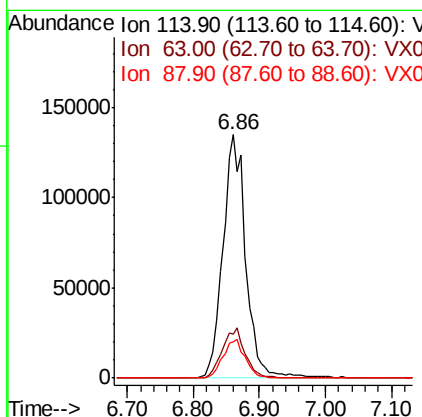
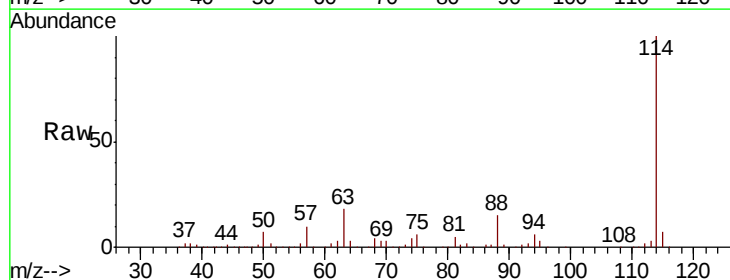
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

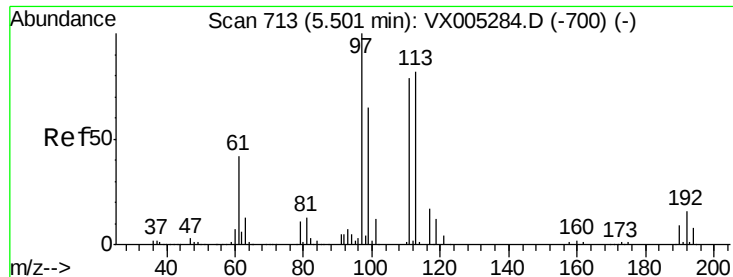
Tot Ion: 65 Resp: 145202
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 114 Resp: 323669
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.0
 88 14.7 0.0 30.4

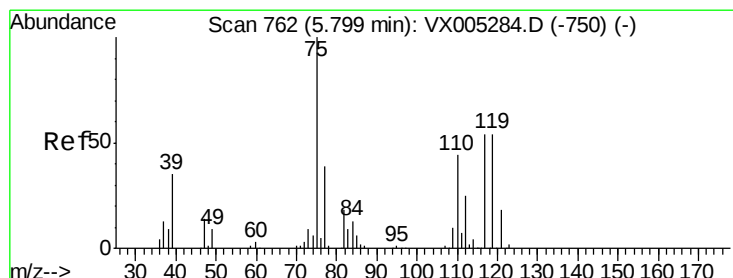
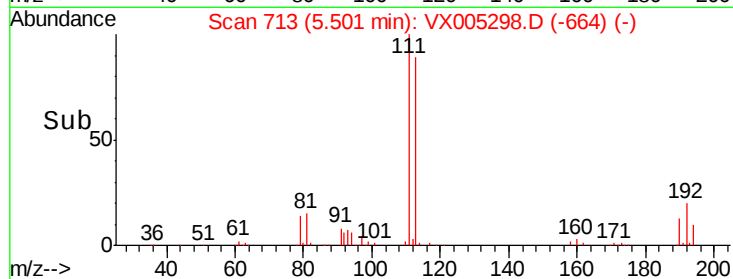
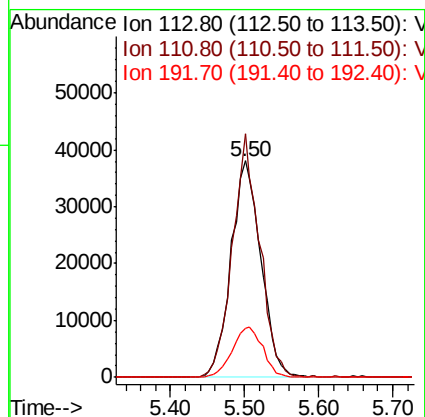
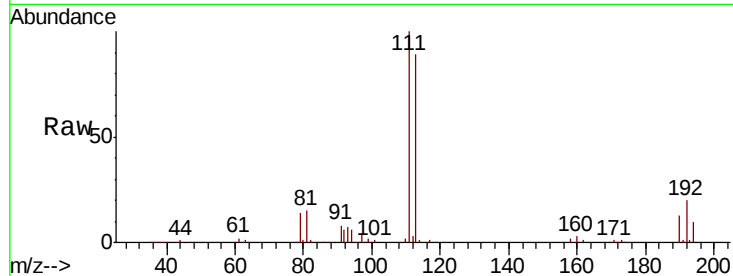




#35
 Dibromofluoromethane
 Concen: 49.958 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

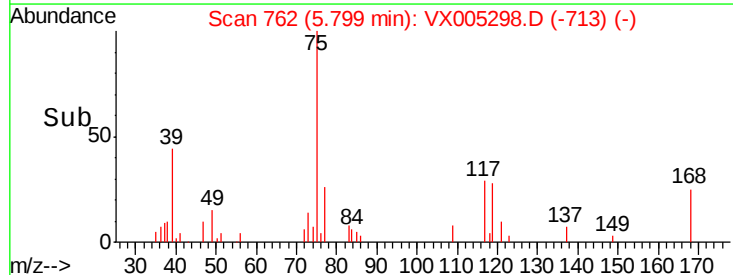
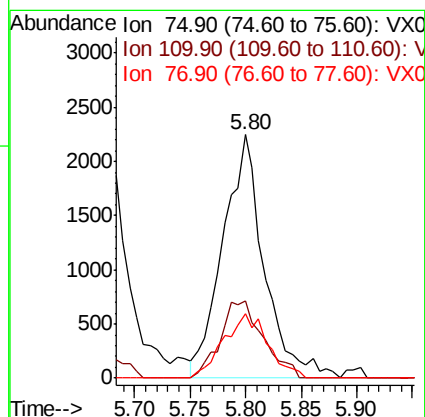
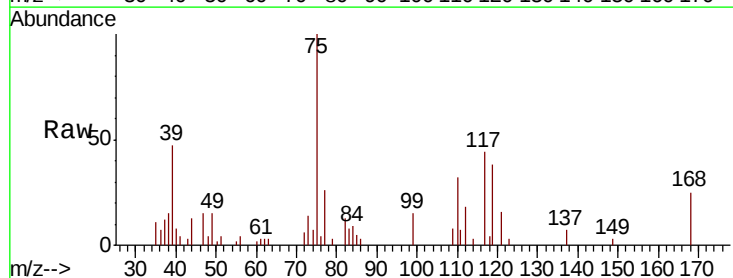
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

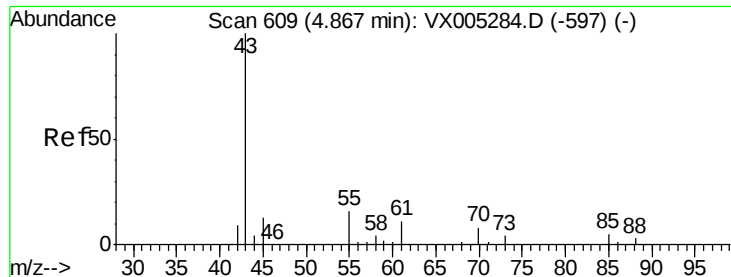
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	23.7	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 1.845 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	18.0	54.0
77	28.2	24.6	36.8





#37

Ethyl Acetate

Concen: 2.118 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

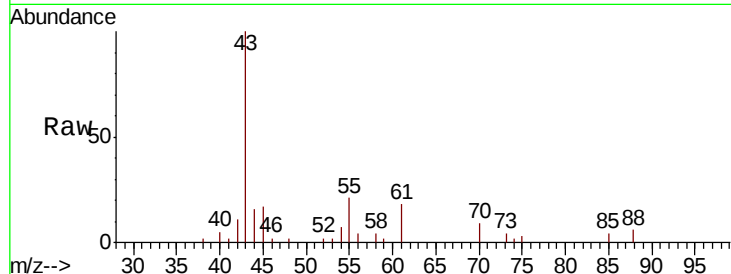
Tot Ion: 43 Resp: 8539

Ion Ratio Lower Upper

43 100

61 16.0 11.5 17.3

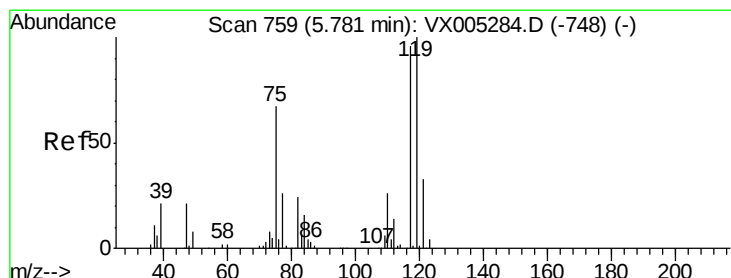
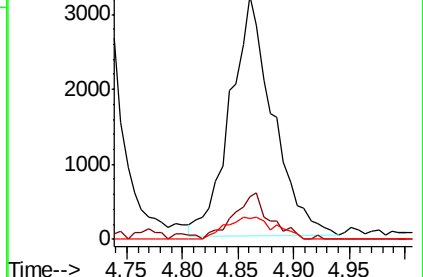
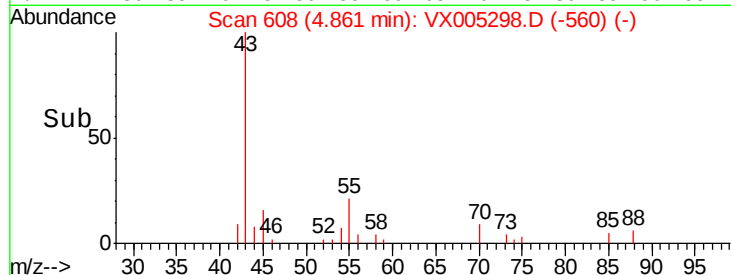
70 10.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX005298.D (-560) (-)

Ion 60.90 (60.60 to 61.60): VX005298.D (-560) (-)

Ion 70.00 (69.70 to 70.70): VX005298.D (-560) (-)



#38

Carbon Tetrachloride

Concen: 1.717 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

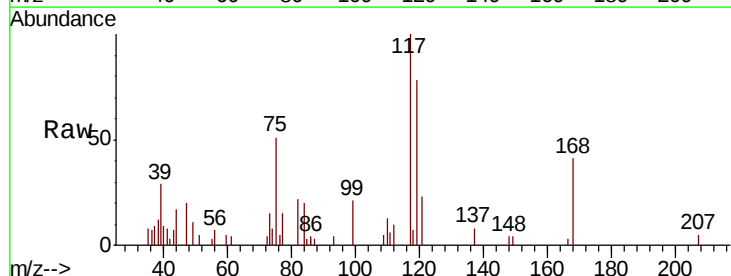
Tgt Ion: 117 Resp: 5407

Ion Ratio Lower Upper

117 100

119 77.9 78.8 118.2#

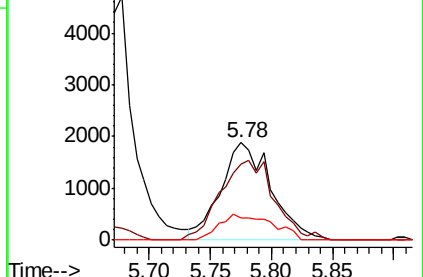
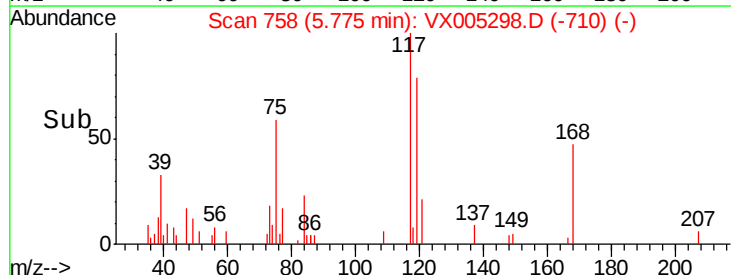
121 23.1 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VX005298.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005298.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005298.D (-710) (-)

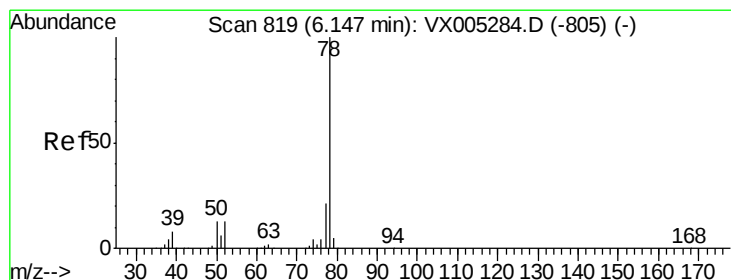
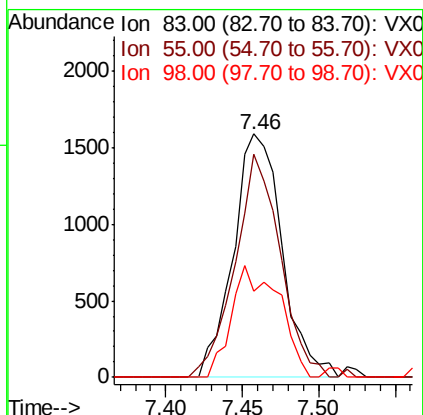
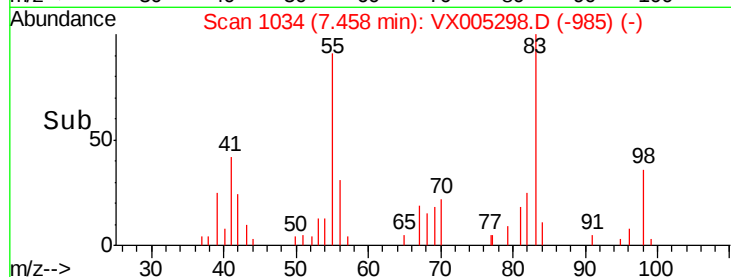
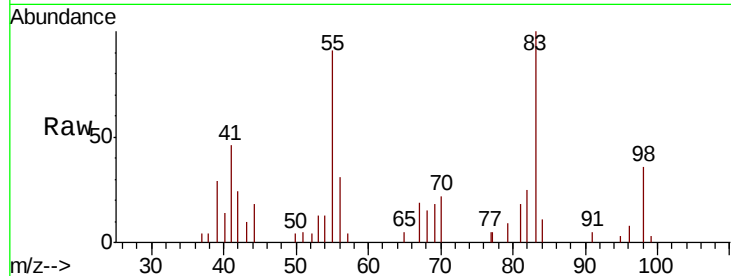




#39
Methvlcvclohexane
Concen: 1.042 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

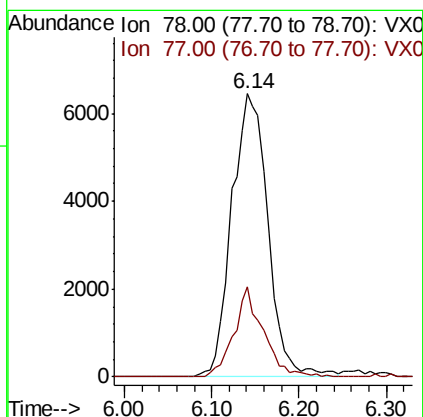
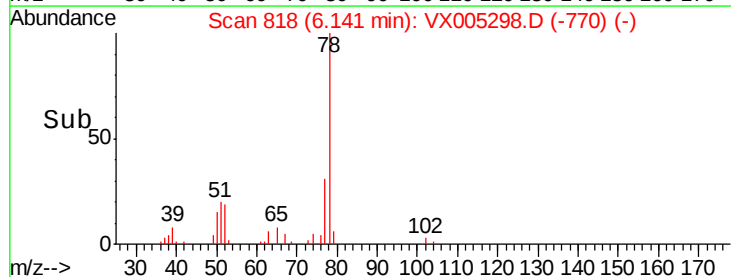
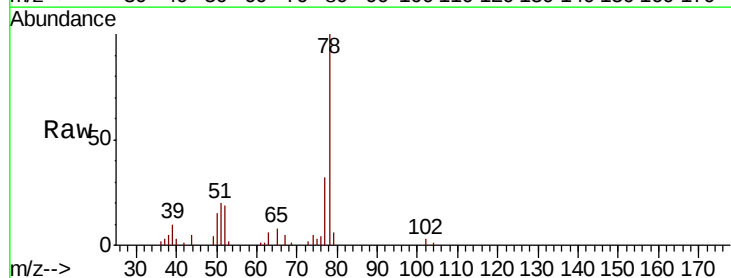
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

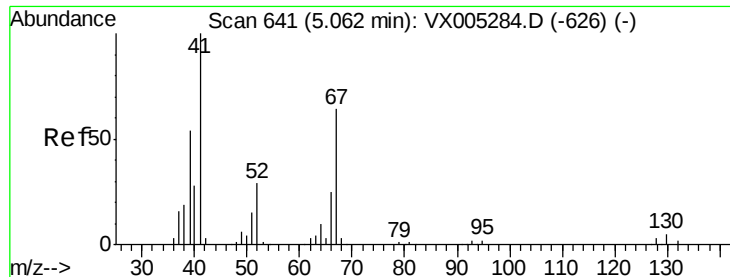
Tot Ion: 83 Resp: 3536
Ion Ratio Lower Upper
83 100
55 91.4 61.0 91.4
98 35.6 39.6 59.4#



#40
Benzene
Concen: 1.963 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 78 Resp: 18456
Ion Ratio Lower Upper
78 100
77 31.7 19.0 28.4#

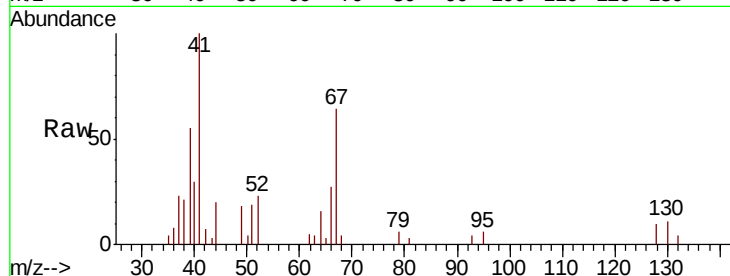




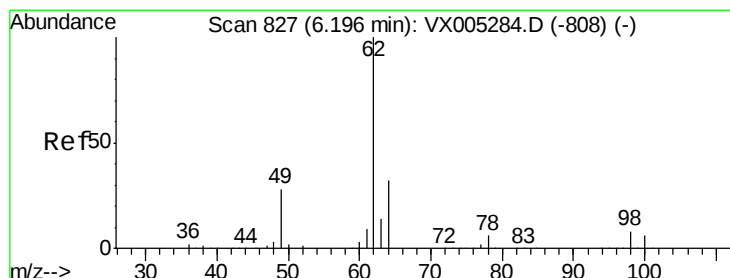
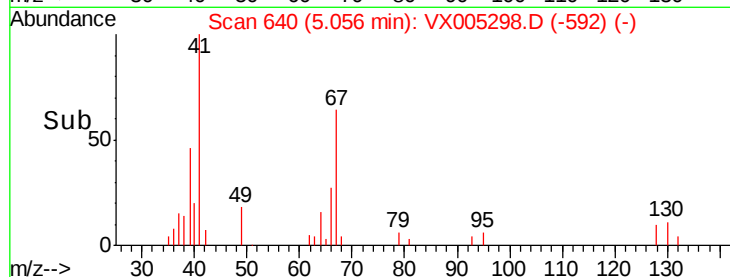
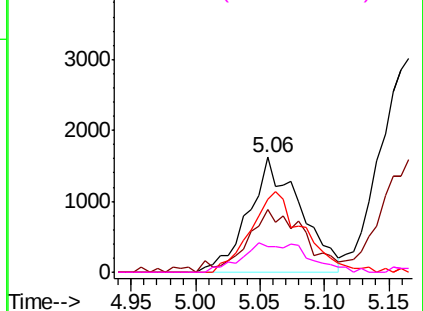
#41
Methacrylonitrile
Concen: 2.092 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:	41	Resp:	4521
Ion	Ratio	Lower	Upper
41	100		
39	60.2	42.4	63.6
67	71.4	59.2	88.8
52	19.8	23.0	34.4#

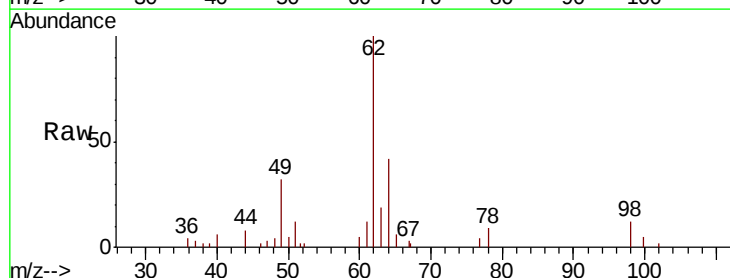


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

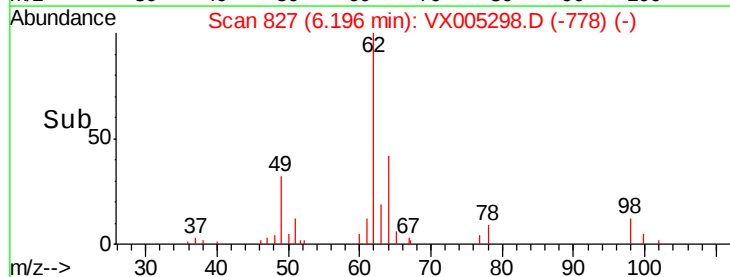
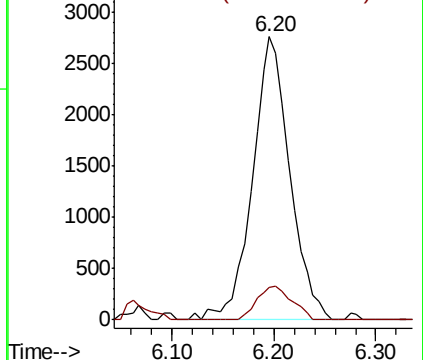


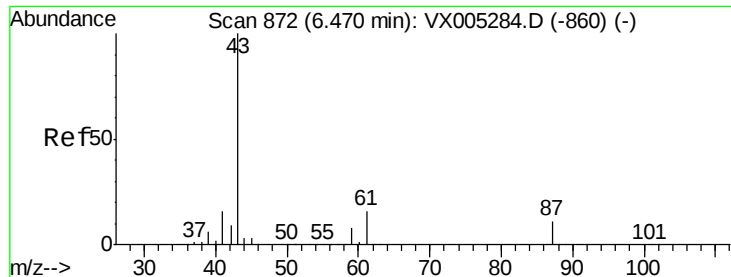
#42
1,2-Dichloroethane
Concen: 2.114 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:	62	Resp:	7020
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.072 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

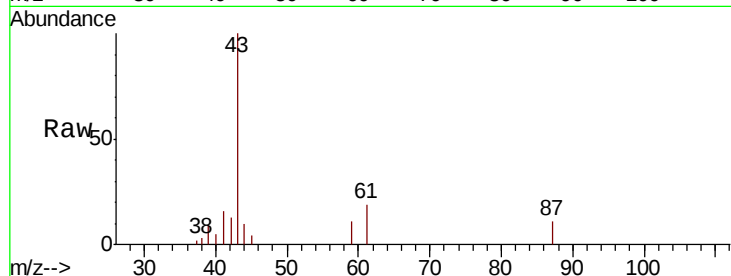
Tot Ion: 43 Resp: 11126

Ion Ratio Lower Upper

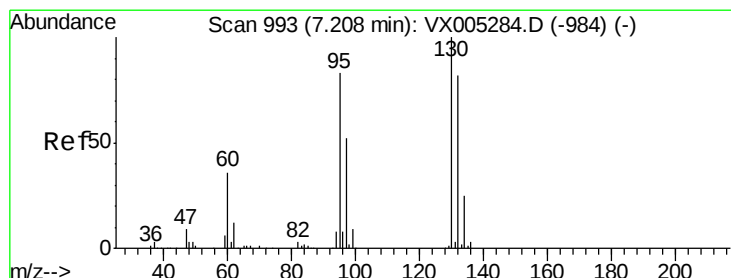
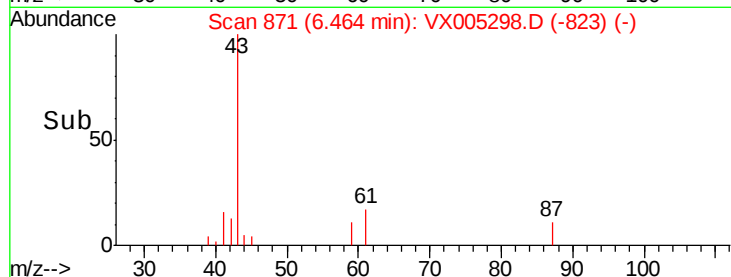
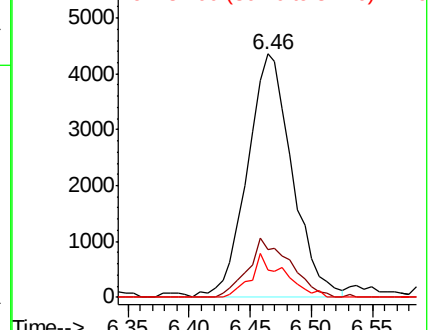
43 100

61 22.6 17.0 25.4

87 13.2 11.4 17.2



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: 2.129 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005298.D

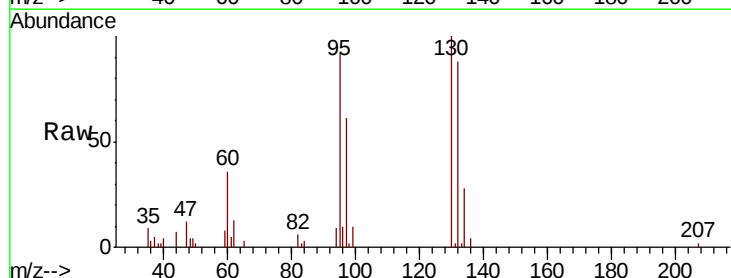
Acq: 12 Oct 2018 17:25

Tgt Ion:130 Resp: 6542

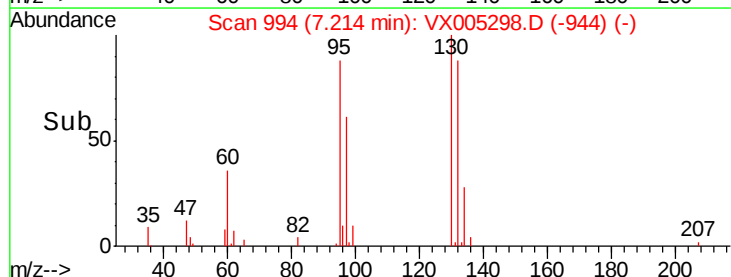
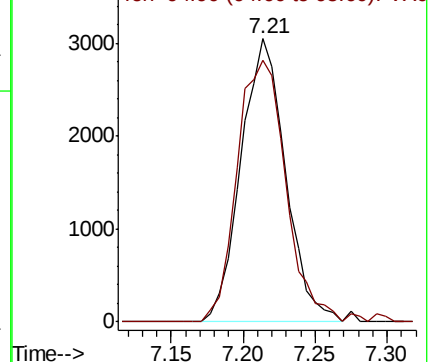
Ion Ratio Lower Upper

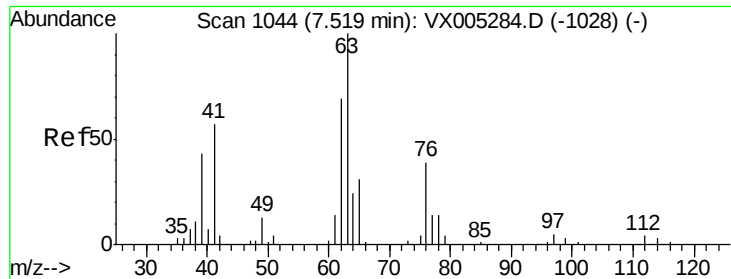
130 100

95 92.3 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 2.078 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

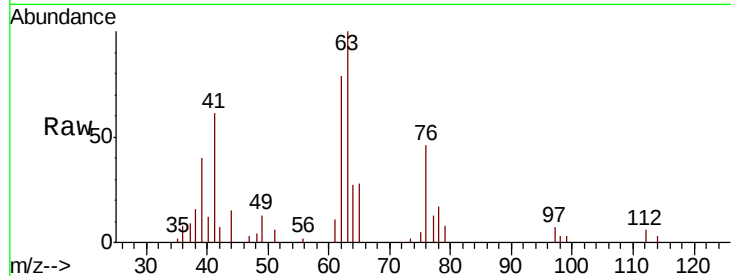
LOQ-WATER-02-QT4-2018

Tot Ion: 63 Resp: 4794

Ion Ratio Lower Upper

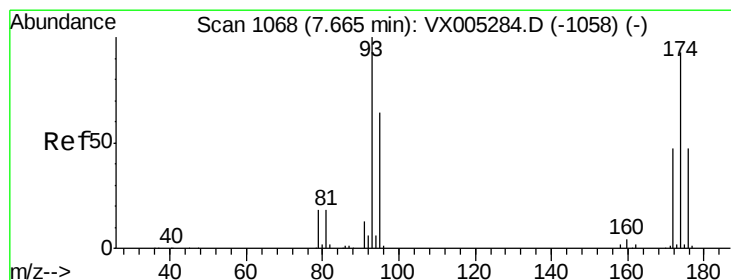
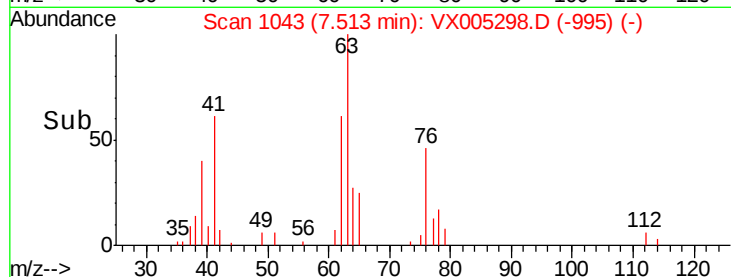
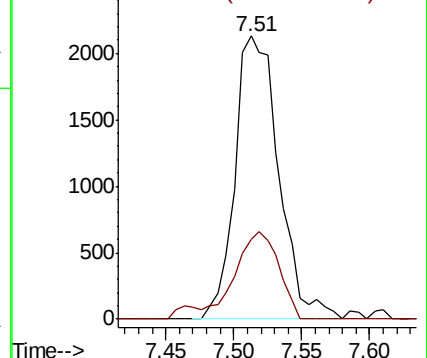
63 100

65 28.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.218 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

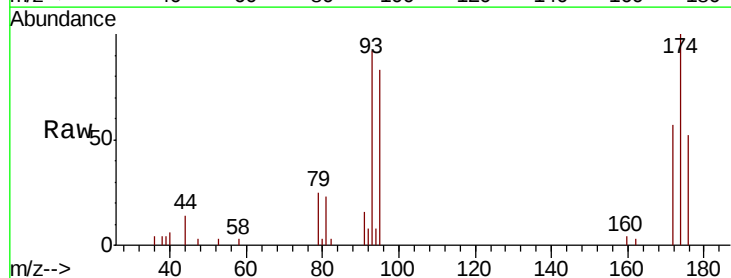
Tgt Ion: 93 Resp: 3376

Ion Ratio Lower Upper

93 100

95 85.5 65.5 98.3

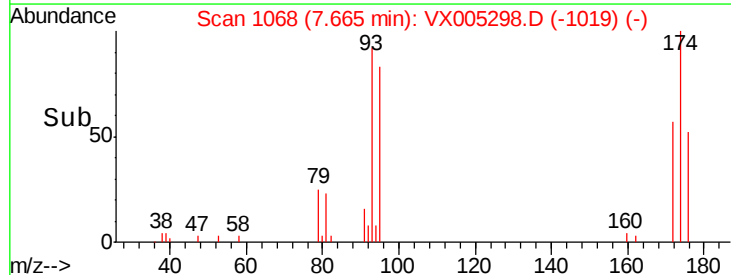
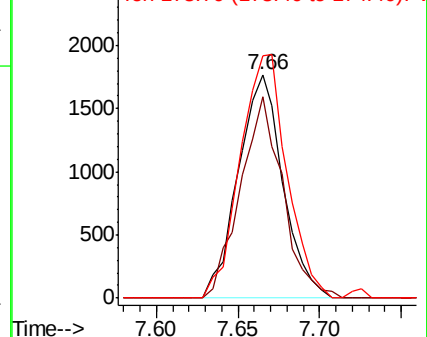
174 114.0 94.2 141.4



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: 1.979 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

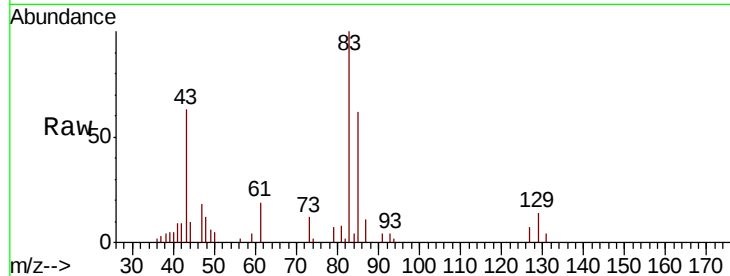
Tot Ion: 83 Resp: 5573

Ion Ratio Lower Upper

83 100

85 62.2 50.9 76.3

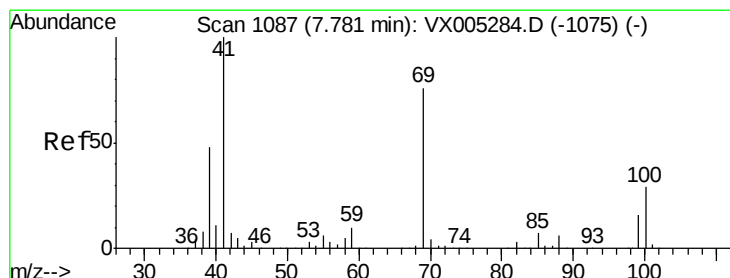
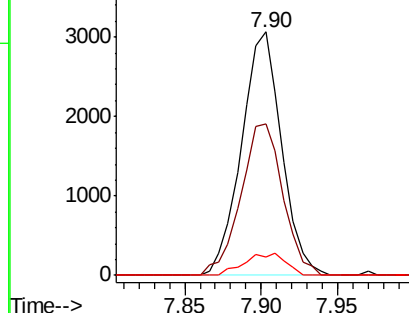
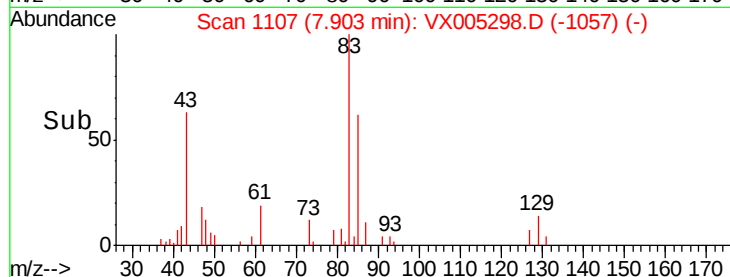
127 7.3 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.938 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

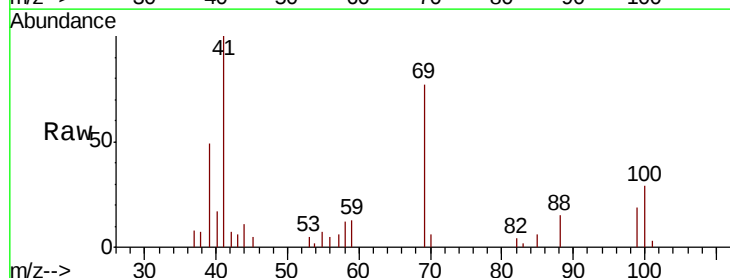
Tgt Ion: 41 Resp: 5399

Ion Ratio Lower Upper

41 100

69 79.2 70.2 105.4

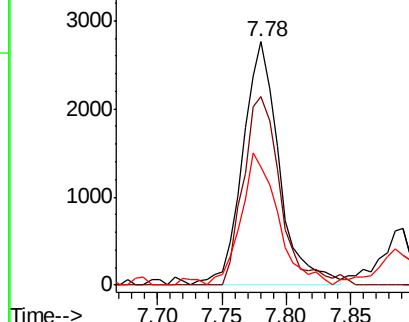
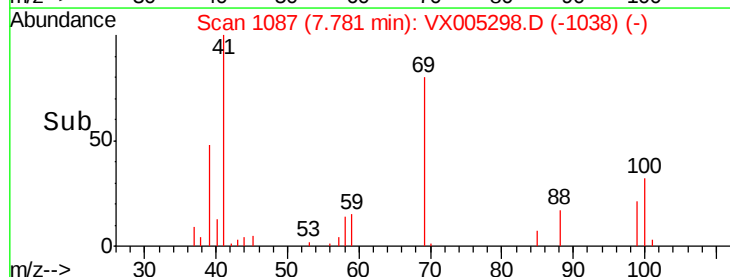
39 55.3 42.7 64.1

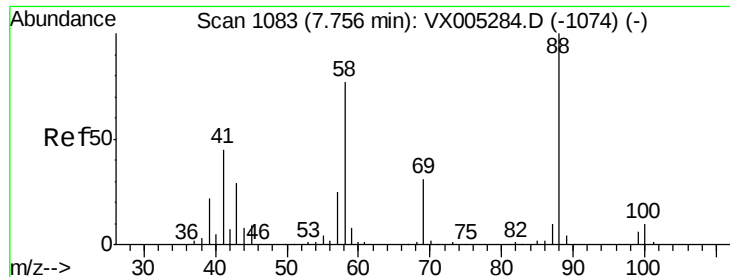


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

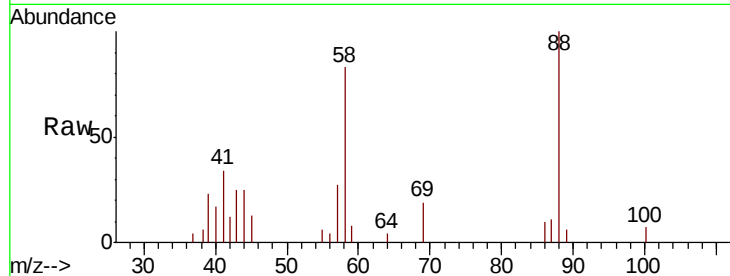




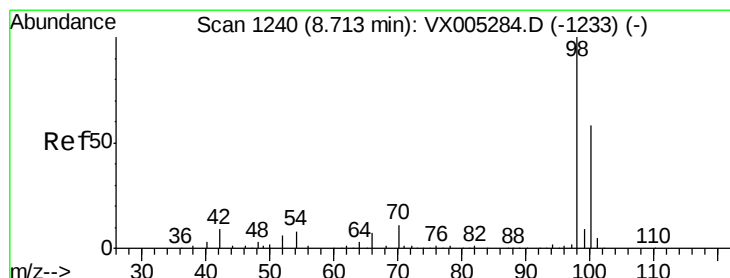
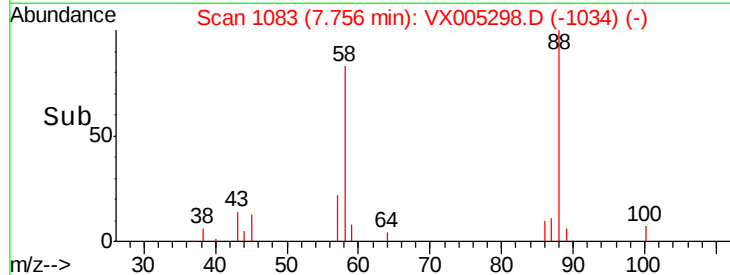
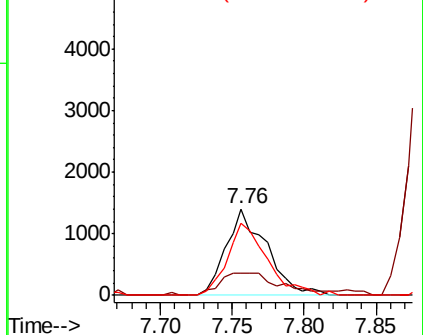
#49
 1,4-Dioxane
 Concen: 42.746 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion: 88 Resp: 2746
 Ion Ratio Lower Upper
 88 100
 43 37.9 24.7 37.1#
 58 82.7 55.3 82.9

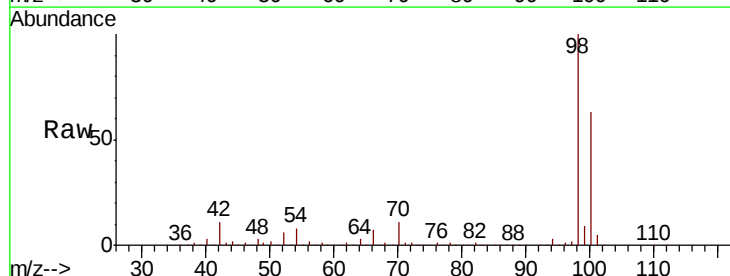


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

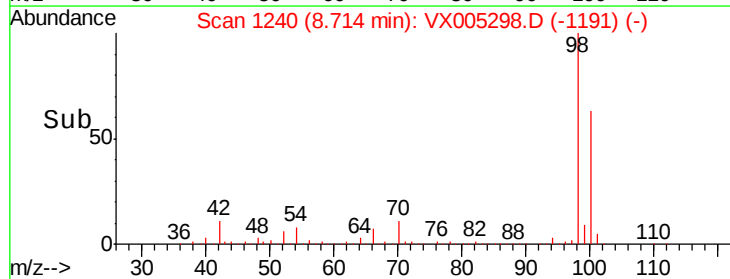
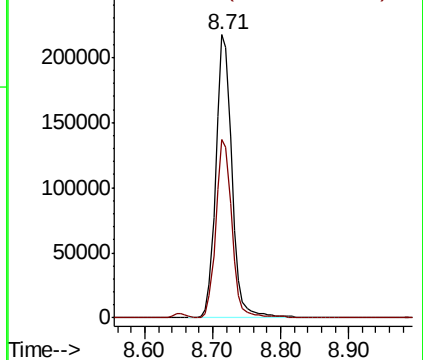


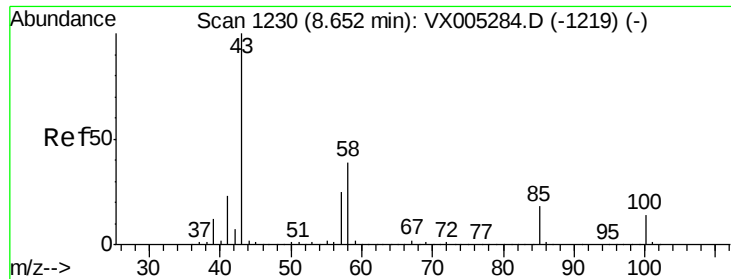
#50
 Toluene-d8
 Concen: 48.437 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion: 98 Resp: 356479
 Ion Ratio Lower Upper
 98 100
 100 63.1 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 9.904 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

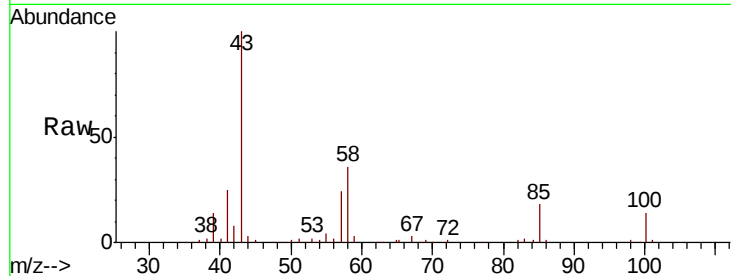
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 36828

Ion Ratio Lower Upper

43 100

58 36.7 33.1 49.7

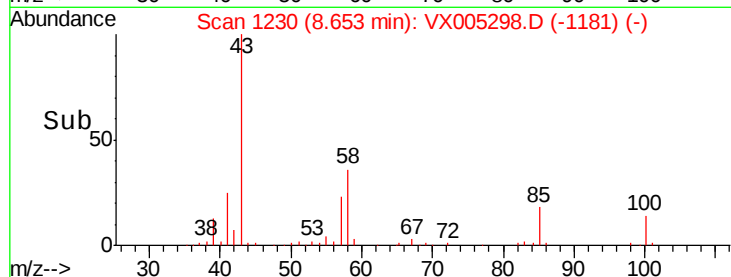


Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

Time-->

8.65



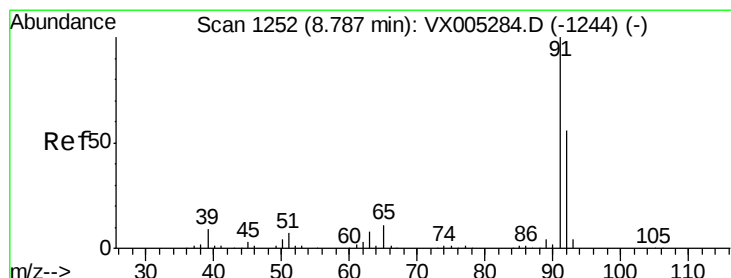
Abundance

Ion 43.00 (42.70 to 43.70): VX005298.D (-1181) (-)

Ion 58.00 (57.70 to 58.70): VX005298.D (-1181) (-)

Time-->

8.65



#52

Toluene

Concen: 2.038 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005298.D

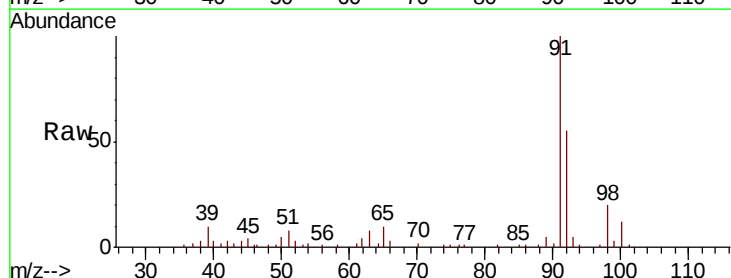
Acq: 12 Oct 2018 17:25

Tgt Ion: 92 Resp: 10484

Ion Ratio Lower Upper

92 100

91 171.9 136.4 204.6

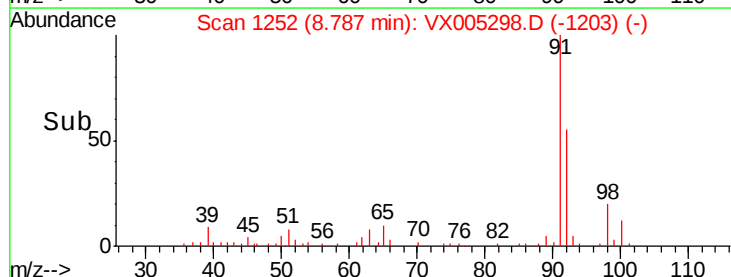


Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

Time-->

8.79



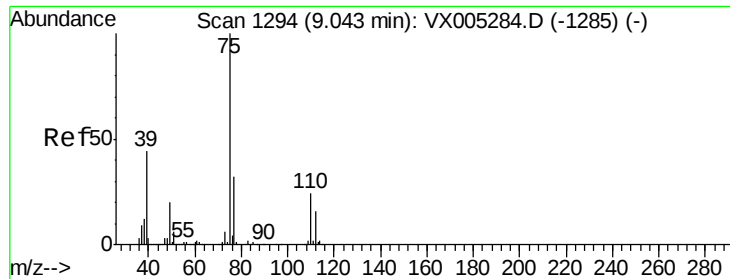
Abundance

Ion 92.00 (91.70 to 92.70): VX005298.D (-1203) (-)

Ion 91.00 (90.70 to 91.70): VX005298.D (-1203) (-)

Time-->

8.79



#53

t-1,3-Dichloropropene

Concen: 1.845 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

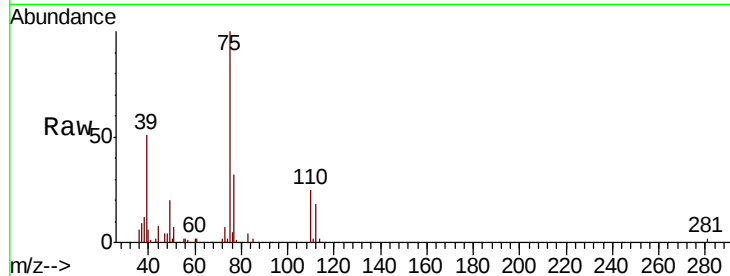
LOQ-WATER-02-QT4-2018

Tot Ion: 75 Resp: 5624

Ion Ratio Lower Upper

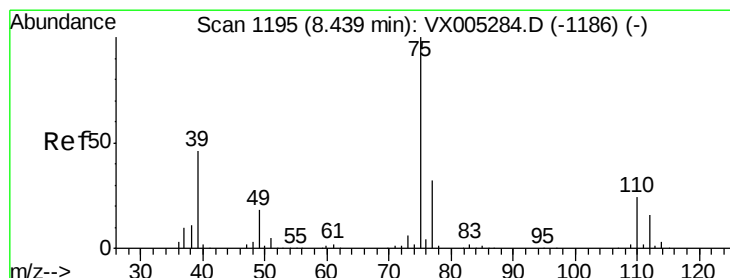
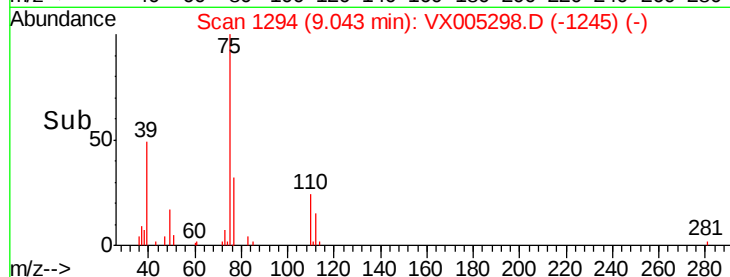
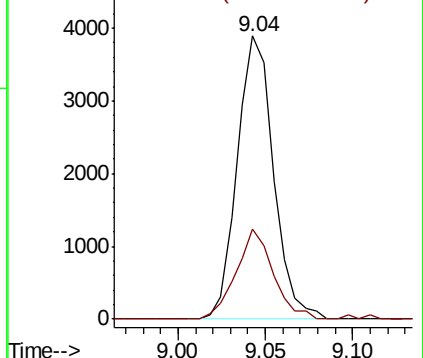
75 100

77 31.8 24.6 37.0



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: 1.941 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

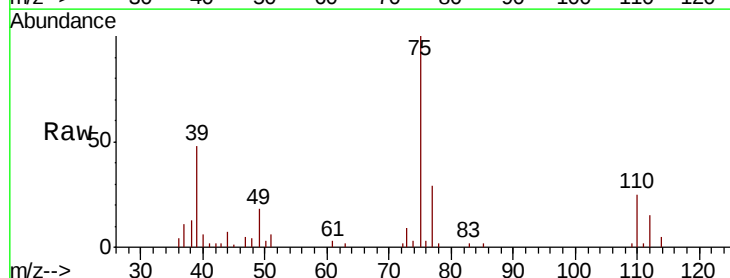
Tgt Ion: 75 Resp: 6410

Ion Ratio Lower Upper

75 100

77 29.1 26.2 39.2

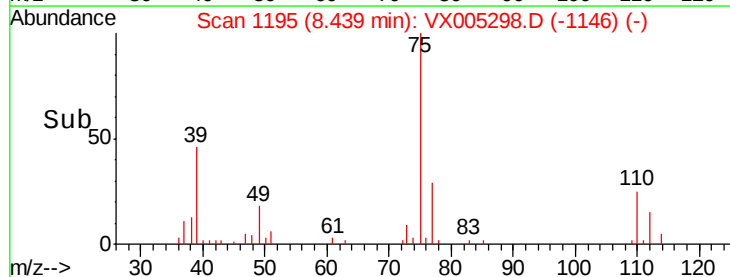
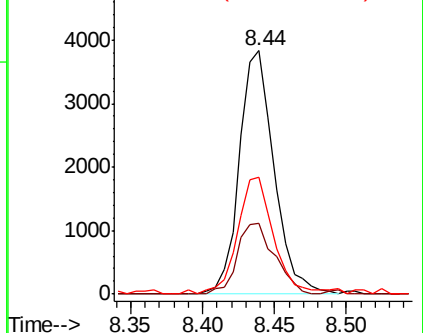
39 46.0 36.4 54.6

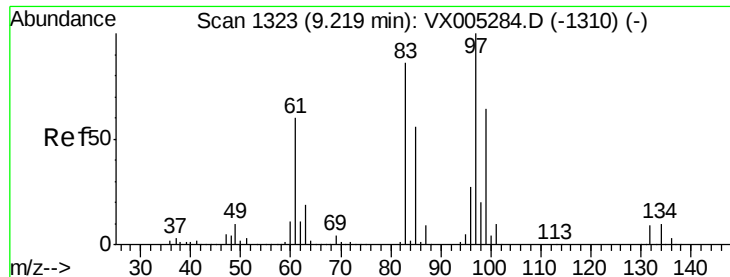


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

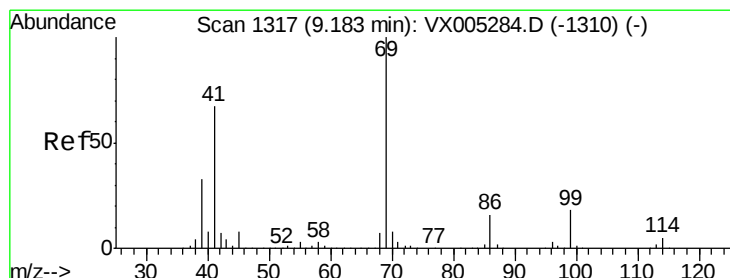
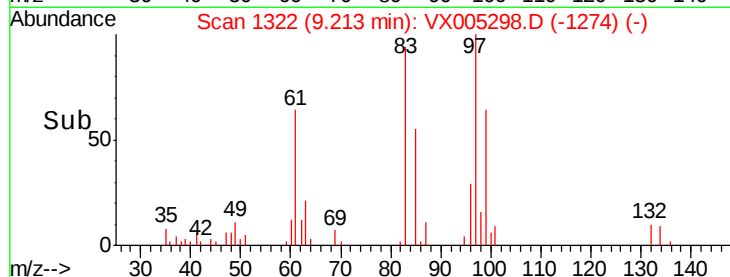
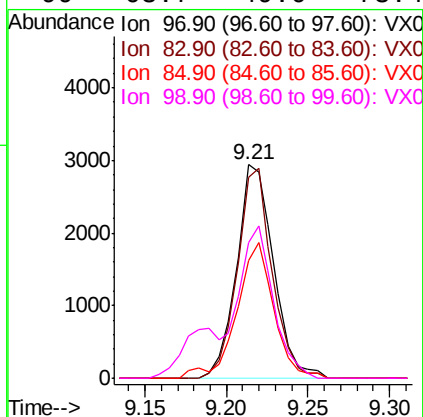
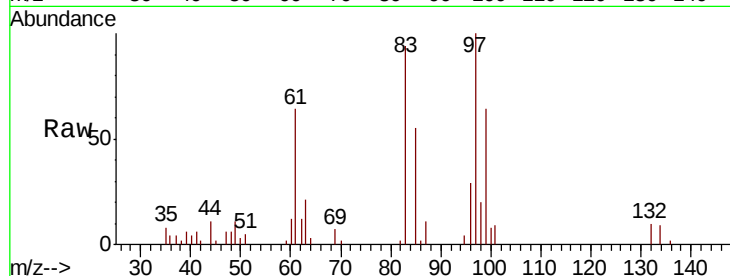




#55
 1,1,2-Trichloroethane
 Concen: 2.131 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

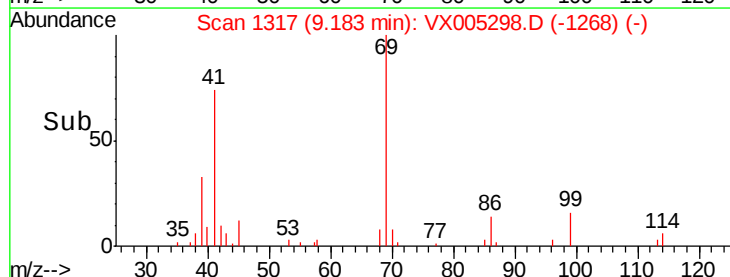
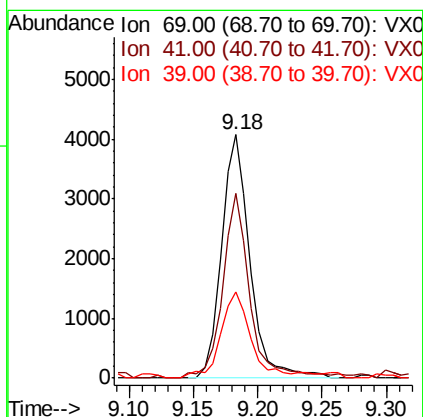
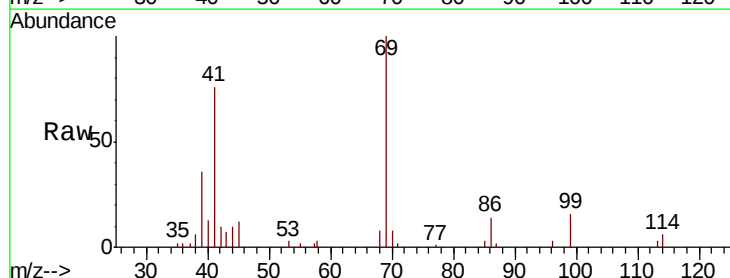
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

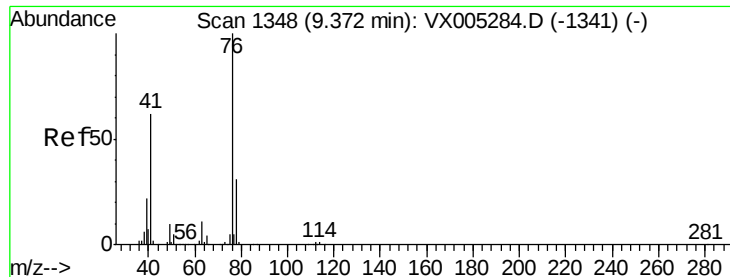
Tot Ion:	97	Resp:	4644
Ion	Ratio	Lower	Upper
97	100		
83	94.1	66.4	99.6
85	54.9	43.3	64.9
99	63.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 1.981 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion:	69	Resp:	6293
Ion	Ratio	Lower	Upper
69	100		
41	74.6	51.0	76.4
39	37.5	26.1	39.1





#57

1,3-Dichloropropane

Concen: 2.133 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

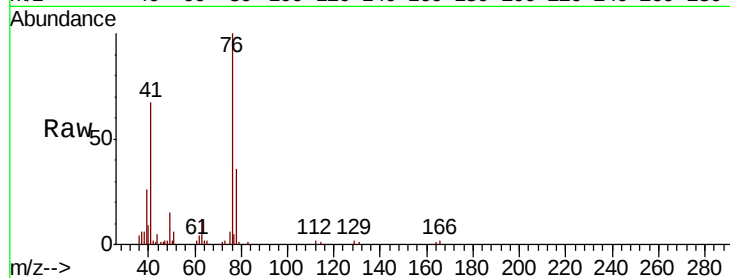
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 7756

Ion Ratio Lower Upper

76 100

78 33.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

6000

5000

4000

3000

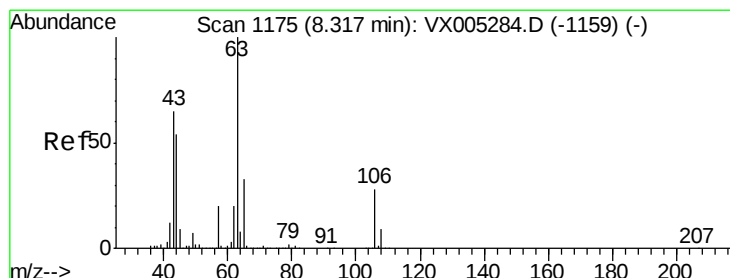
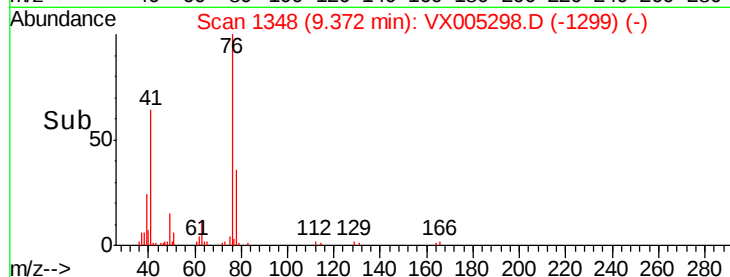
2000

1000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 9.250 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005298.D

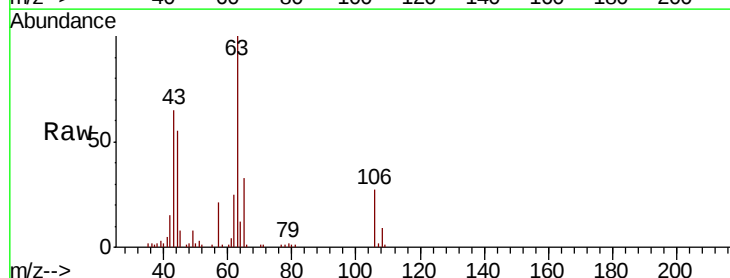
Acq: 12 Oct 2018 17:25

Tgt Ion: 63 Resp: 16478

Ion Ratio Lower Upper

63 100

106 27.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

10000

8000

6000

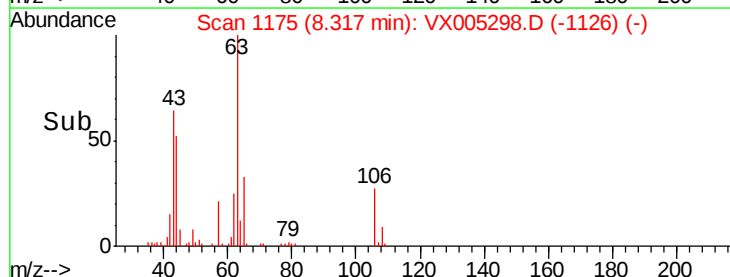
4000

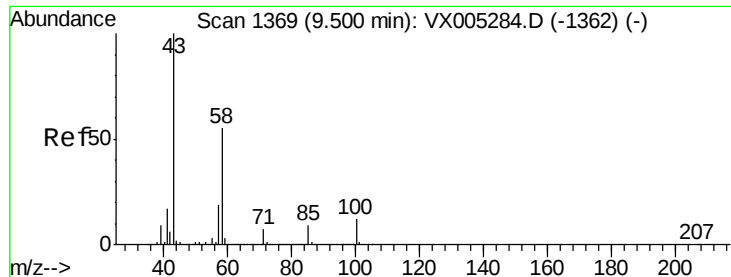
2000

0

8.20 8.30 8.40

Time-->

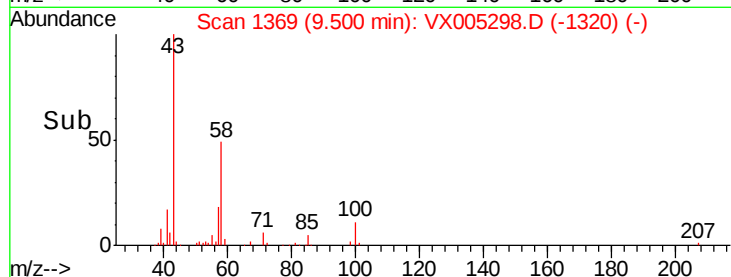
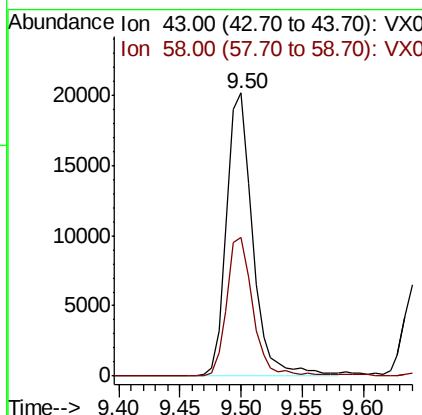
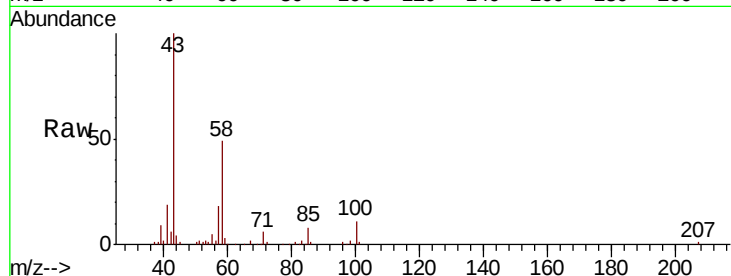




#59
2-Hexanone
Concen: 9.964 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

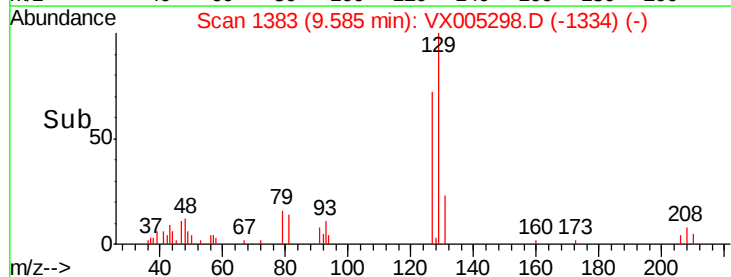
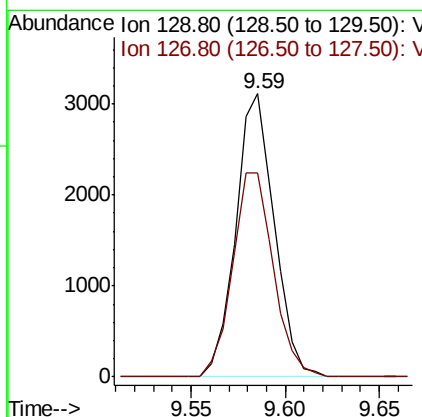
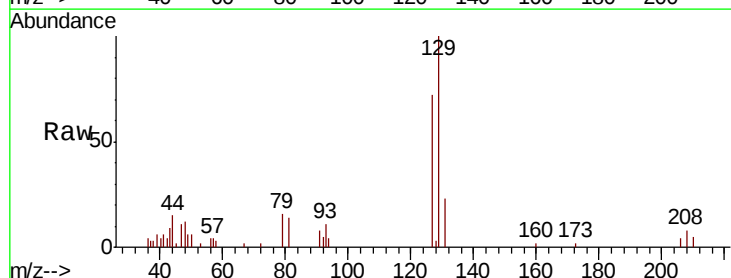
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

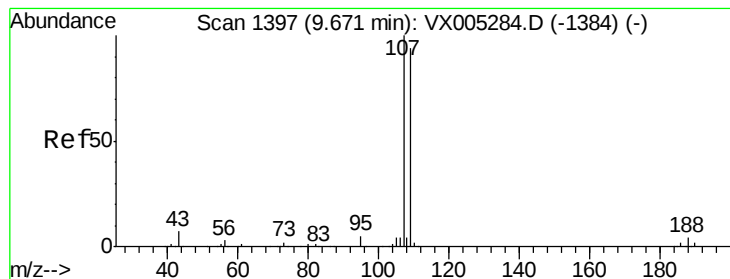
Tot Ion: 43 Resp: 29802
Ion Ratio Lower Upper
43 100
58 49.4 29.0 87.0



#60
Dibromochloromethane
Concen: 1.946 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 129 Resp: 4383
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 2.087 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

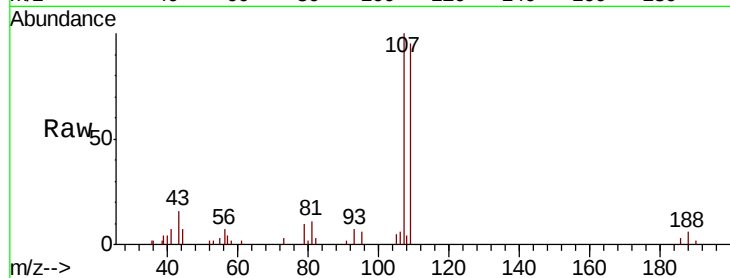
LOQ-WATER-02-QT4-2018

Tot Ion:107 Resp: 4773

Ion Ratio Lower Upper

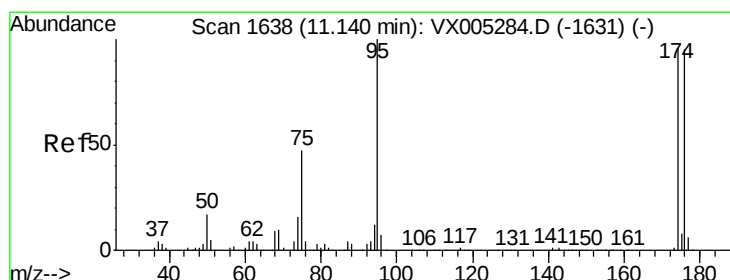
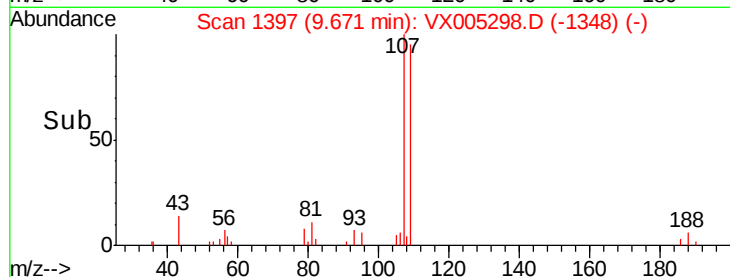
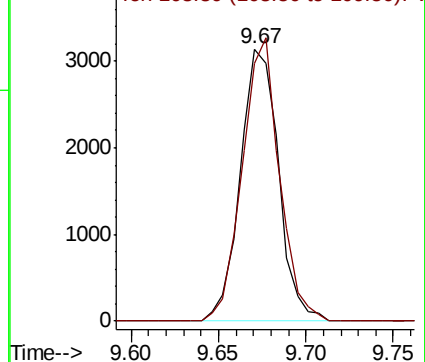
107 100

109 101.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.683 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

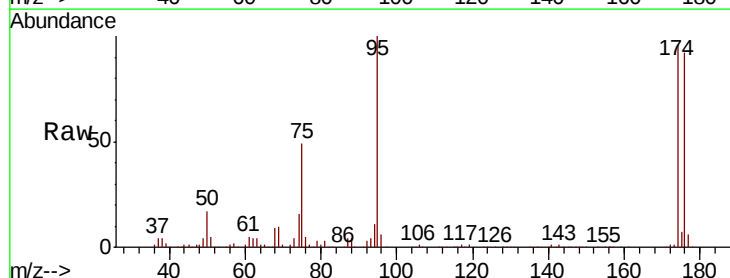
Tgt Ion: 95 Resp: 129066

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

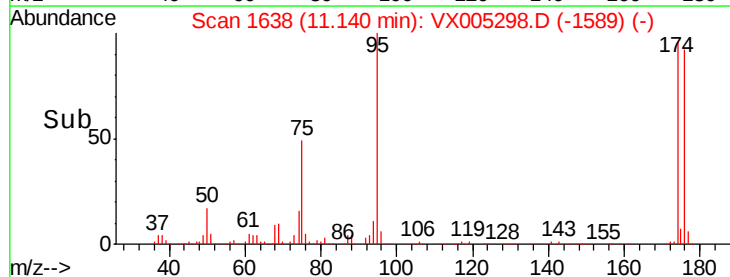
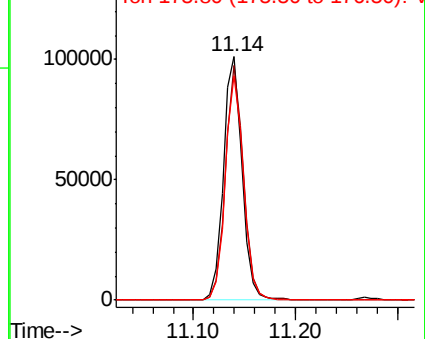
176 90.5 0.0 178.6

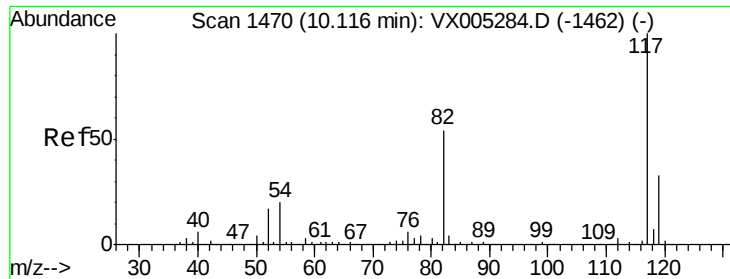


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

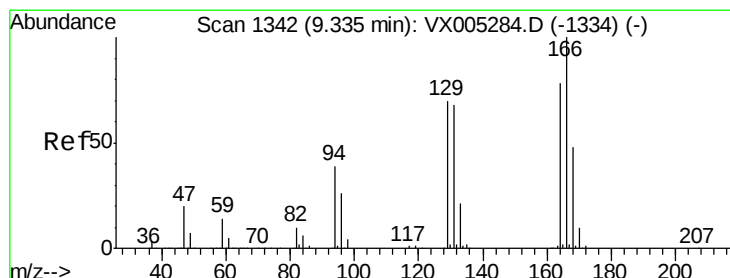
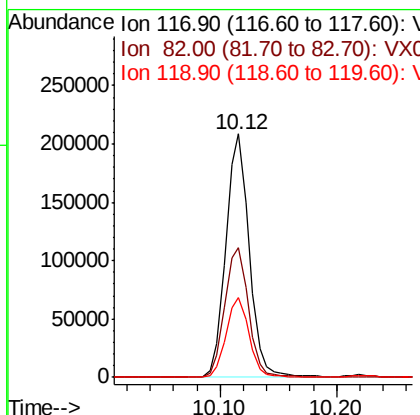
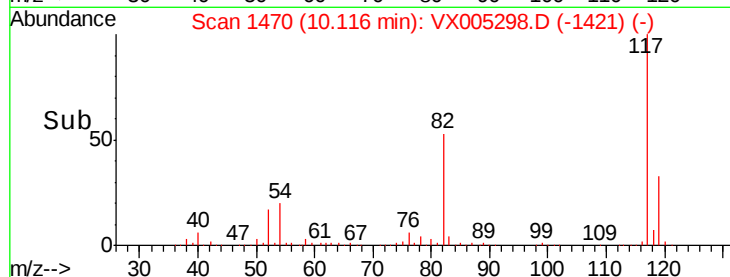
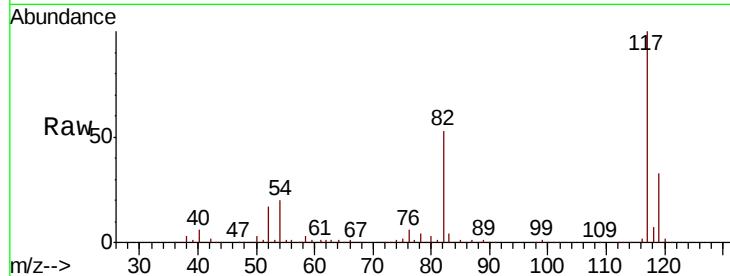




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

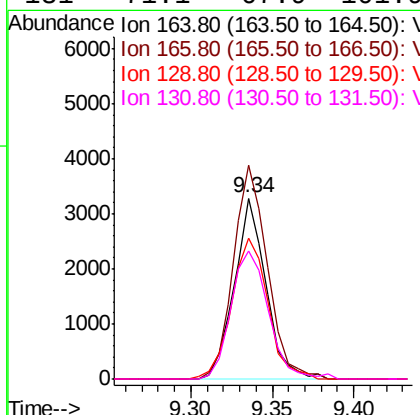
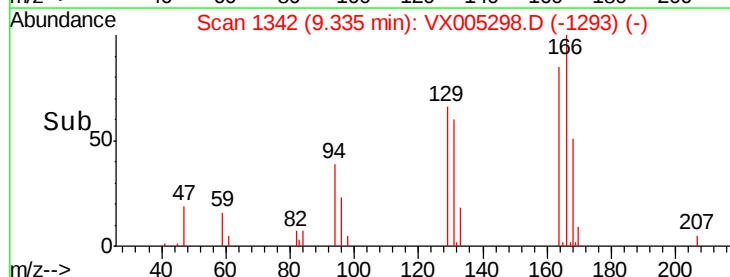
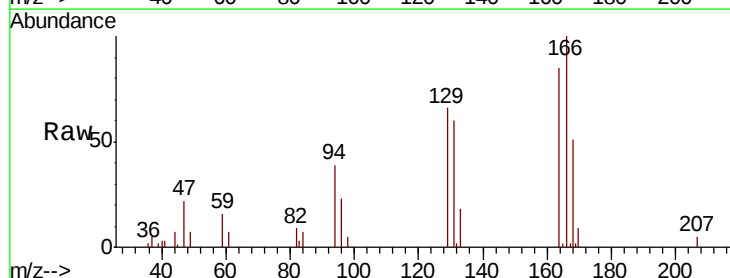
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:117 Resp: 290601
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.8 29.3 43.9



#64
Tetrachloroethene
Concen: 1.891 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:164 Resp: 4424
Ion Ratio Lower Upper
164 100
166 118.3 102.8 154.2
129 77.9 69.4 104.0
131 71.1 67.9 101.9





#65

Chlorobenzene

Concen: 2.036 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

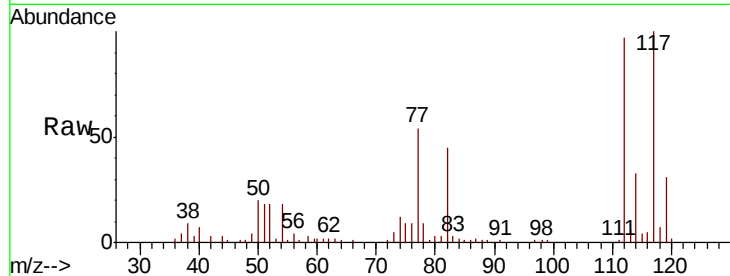
LOQ-WATER-02-QT4-2018

Tot Ion:112 Resp: 12588

Ion Ratio Lower Upper

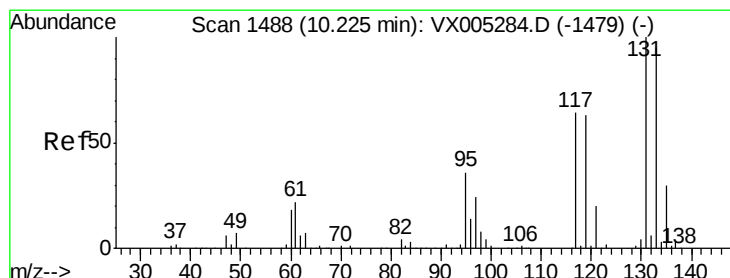
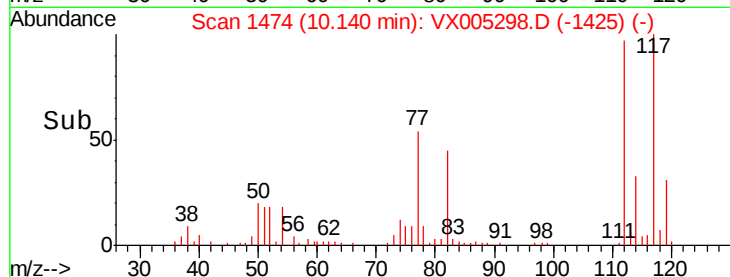
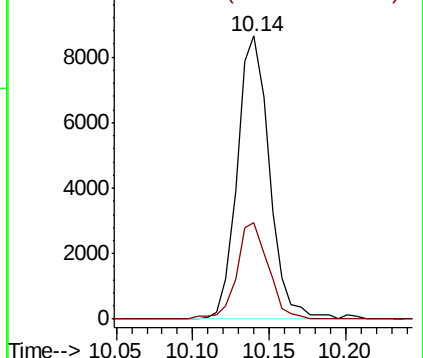
112 100

114 34.1 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.961 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

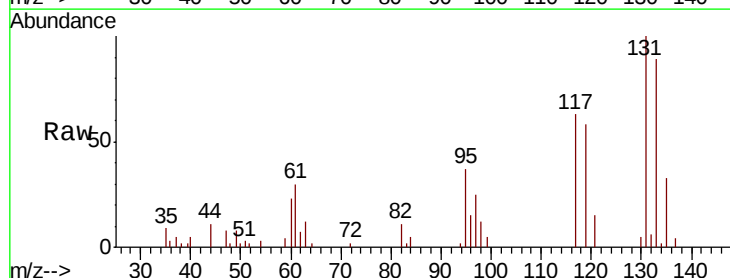
Tgt Ion:131 Resp: 4319

Ion Ratio Lower Upper

131 100

133 101.9 48.1 144.4

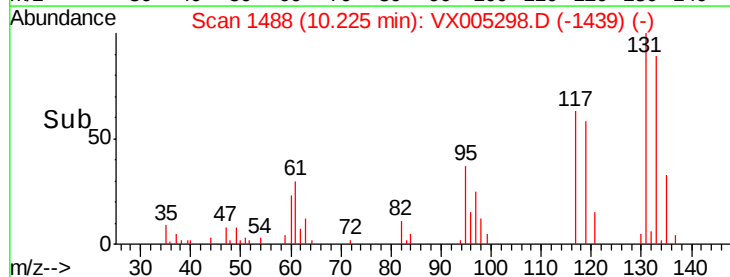
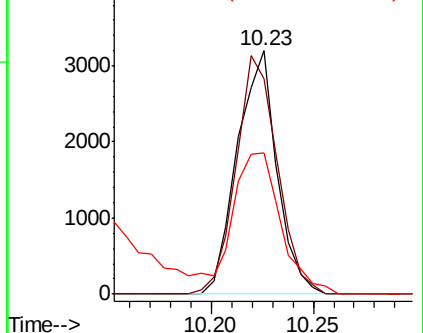
119 72.8 32.9 98.6

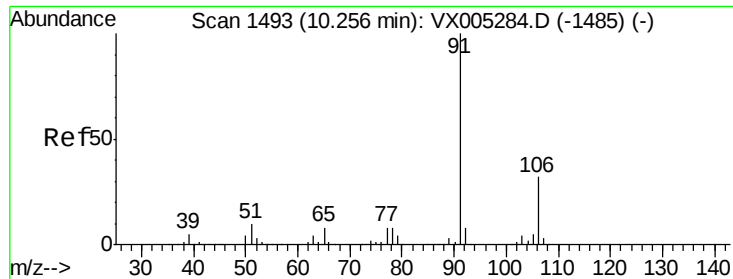


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

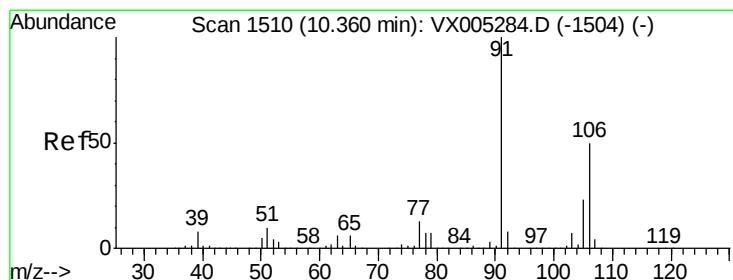
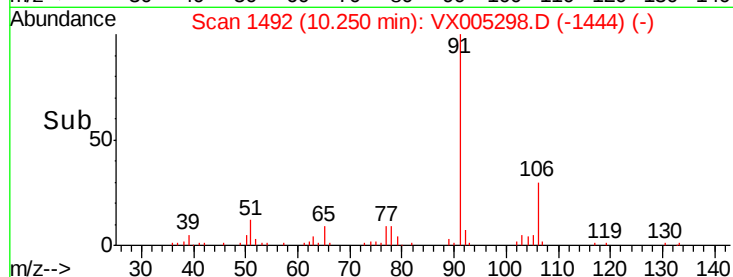
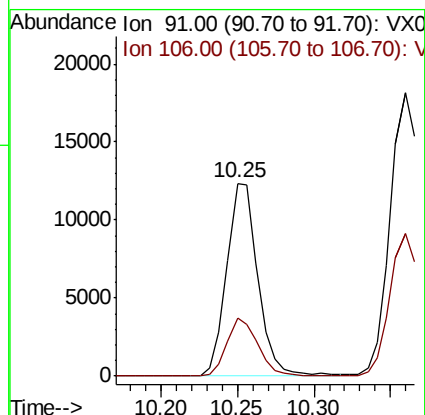
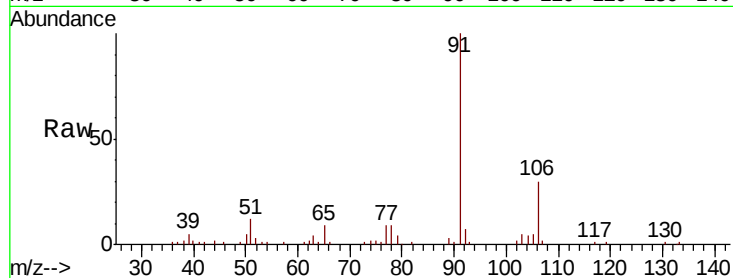




#67
Ethyl Benzene
Concen: 1.747 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

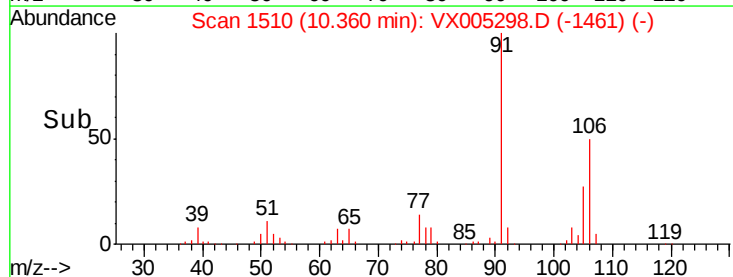
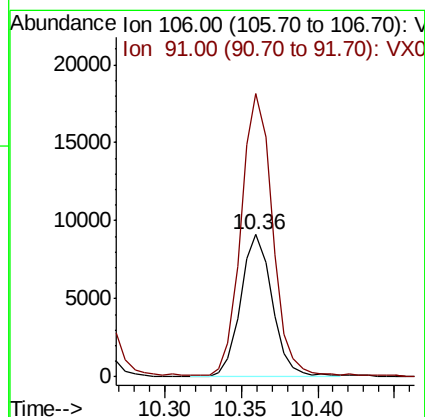
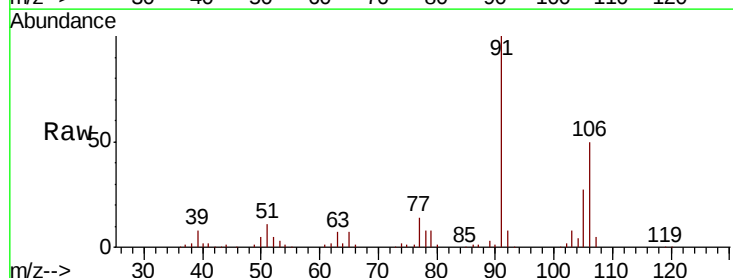
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 91 Resp: 17559
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9



#68
m/p-Xylenes
Concen: 3.391 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 106 Resp: 13228
Ion Ratio Lower Upper
106 100
91 195.3 157.1 235.7

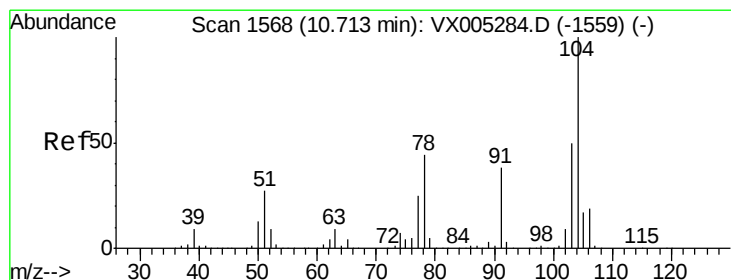
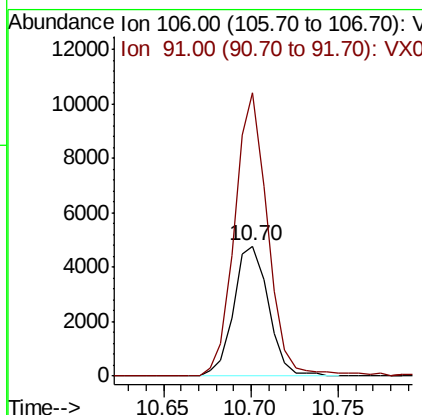
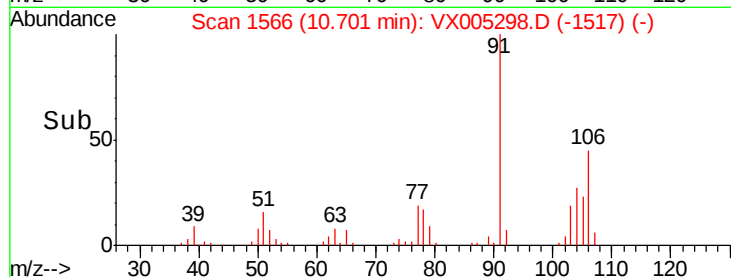
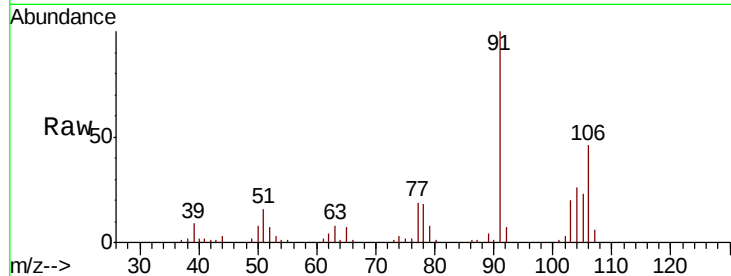




#69
o-Xylene
Concen: 1.760 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

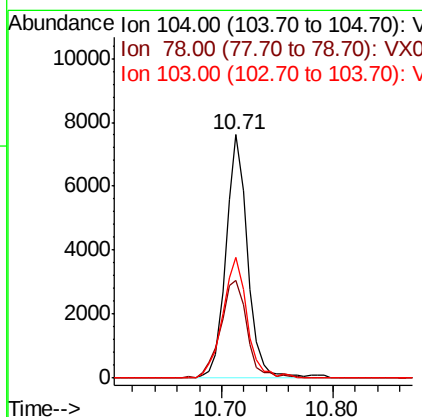
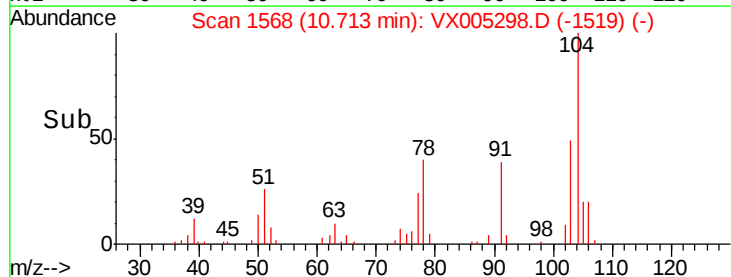
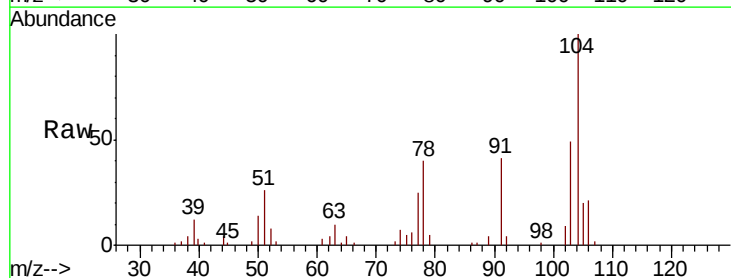
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

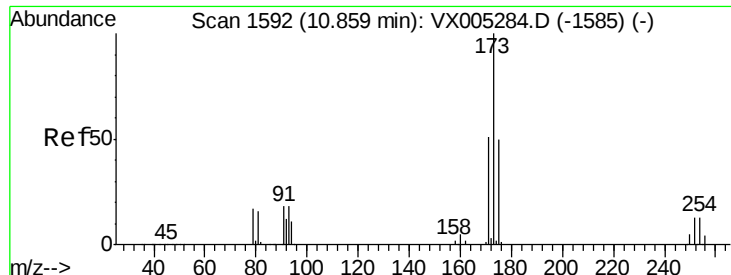
Tot Ion:106 Resp: 6622
Ion Ratio Lower Upper
106 100
91 207.8 105.1 315.1



#70
Styrene
Concen: 1.660 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:104 Resp: 10271
Ion Ratio Lower Upper
104 100
78 48.8 37.4 56.0
103 55.9 43.8 65.6

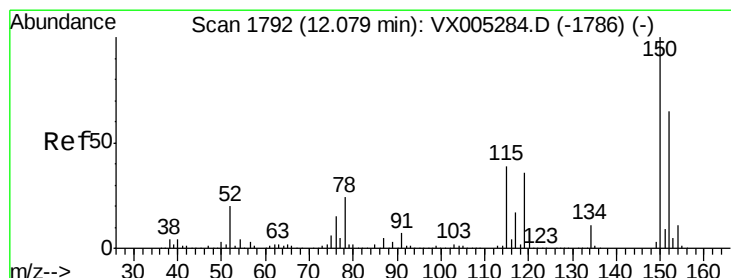
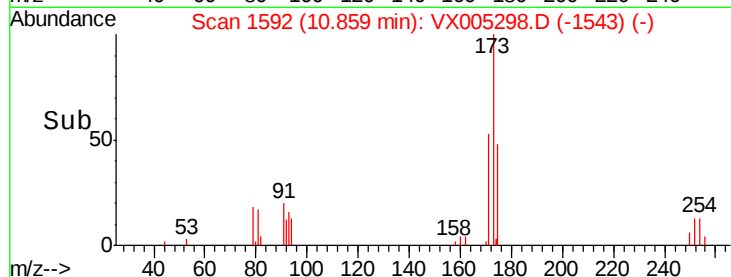
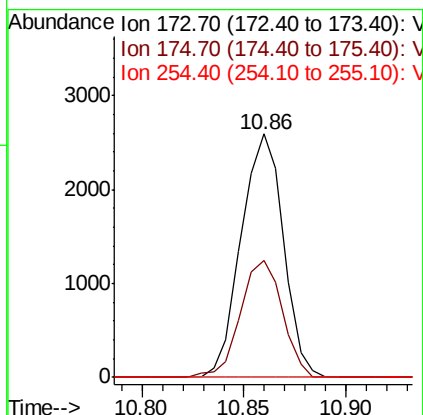
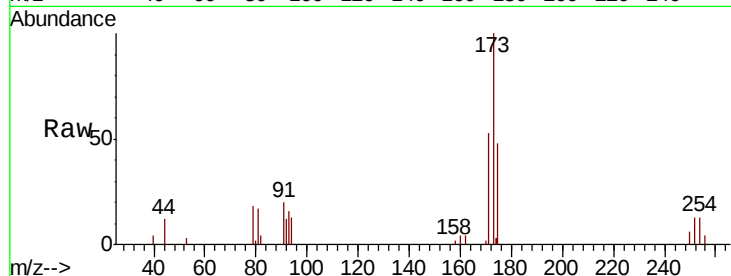




#71
Bromoform
Concen: 1.889 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

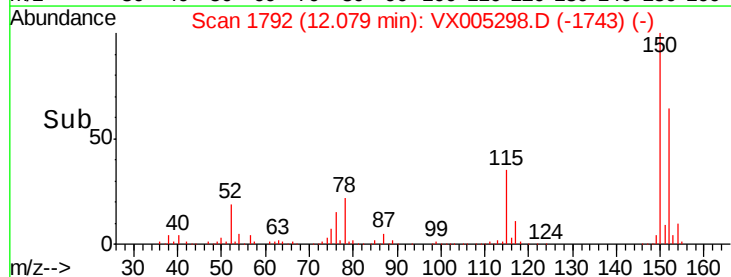
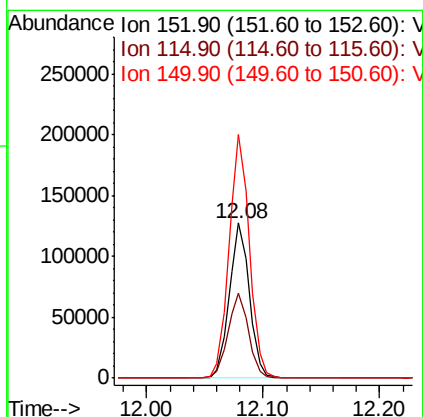
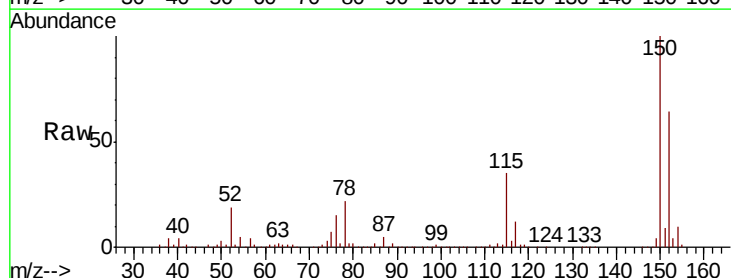
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:173 Resp: 3718
Ion Ratio Lower Upper
173 100
175 47.7 24.1 72.3
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:152 Resp: 152346
Ion Ratio Lower Upper
152 100
115 56.1 39.0 117.0
150 158.5 0.0 351.0





#73

Isopropylbenzene

Concen: 1.645 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

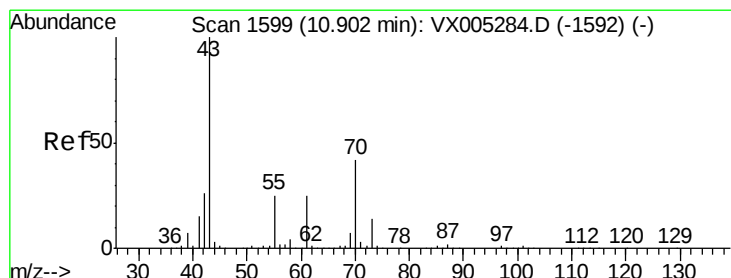
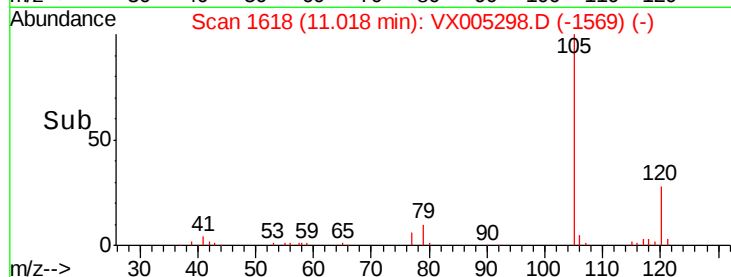
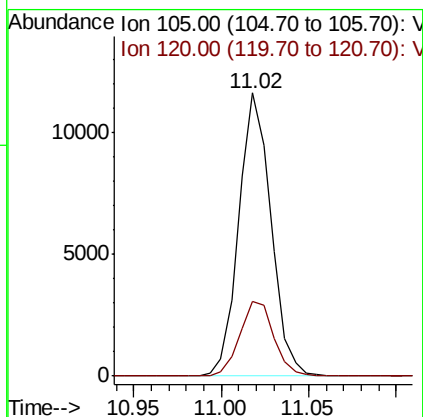
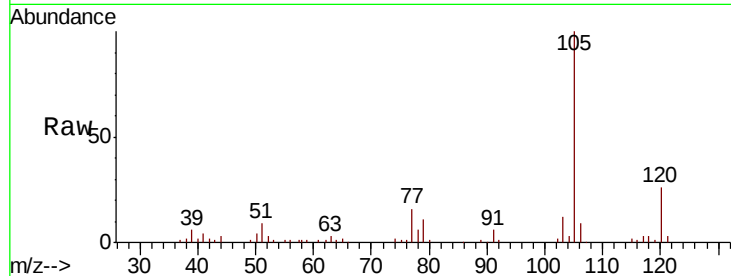
LOQ-WATER-02-QT4-2018

Tot Ion: 105 Resp: 14894

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.4



#74

N-ethyl acetate

Concen: 1.875 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Tgt Ion: 43 Resp: 8191

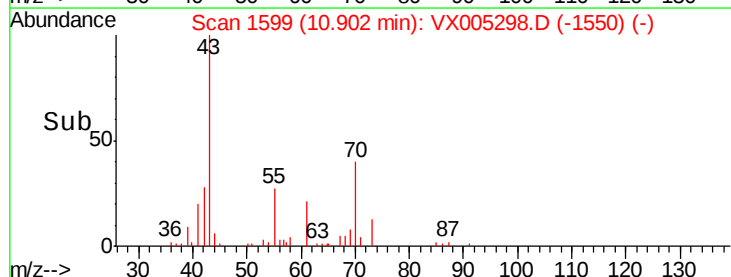
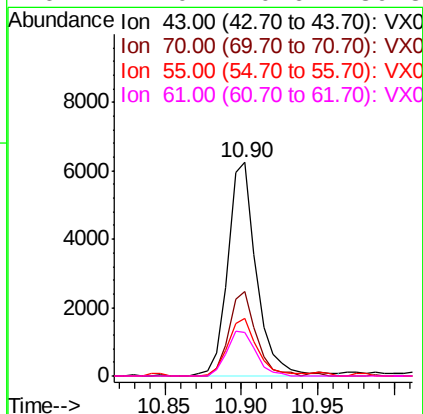
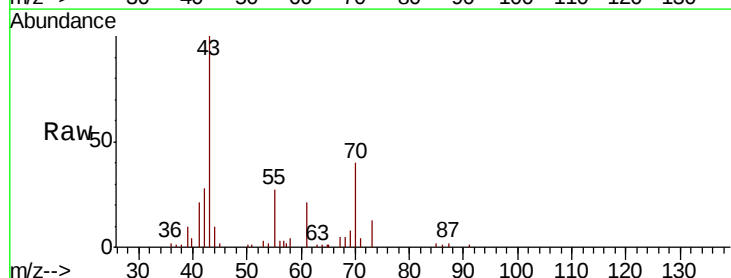
Ion Ratio Lower Upper

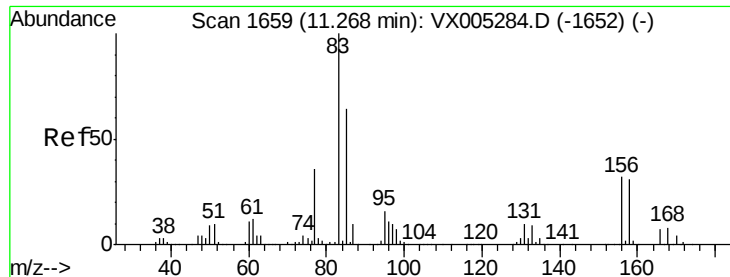
43 100

70 36.9 37.4 56.0#

55 27.4 21.8 32.8

61 21.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.297 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

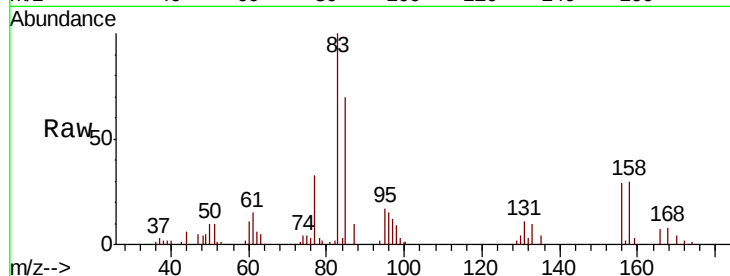
Tot Ion: 83 Resp: 7849

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

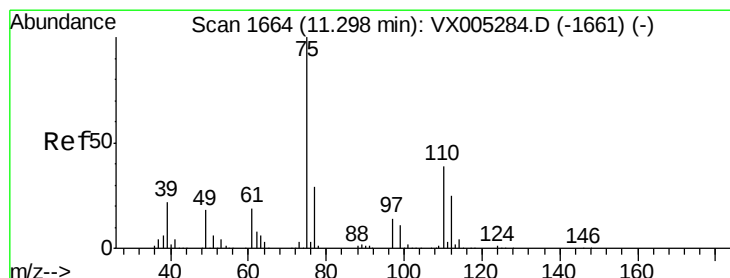
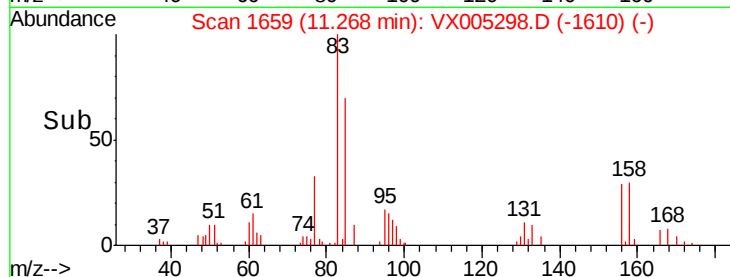
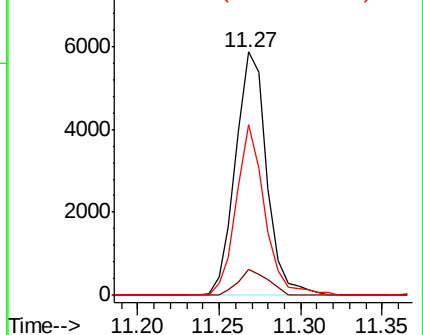
85 64.0 32.3 96.8



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: 2.913 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005298.D

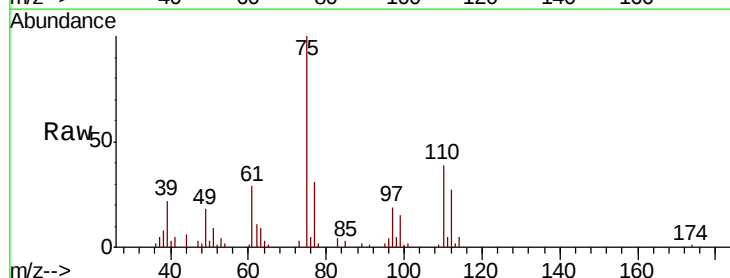
Acq: 12 Oct 2018 17:25

Tgt Ion: 75 Resp: 8609

Ion Ratio Lower Upper

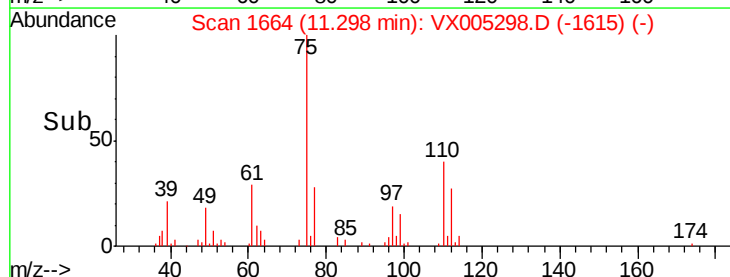
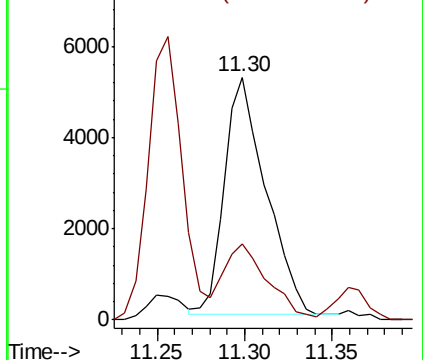
75 100

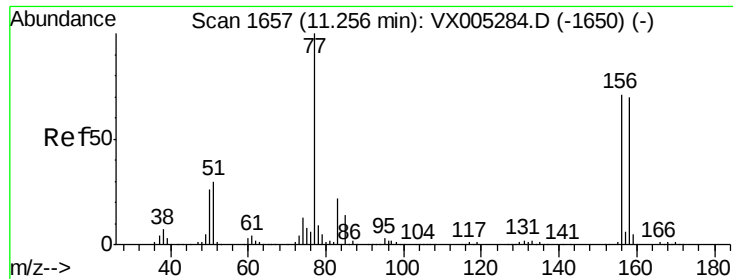
77 33.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.205 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

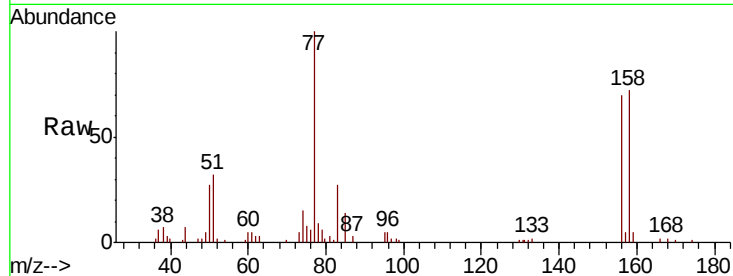
Tot Ion:156 Resp: 5711

Ion Ratio Lower Upper

156 100

77 148.1 71.5 214.3

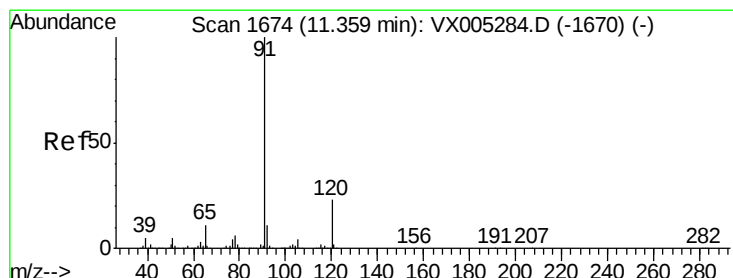
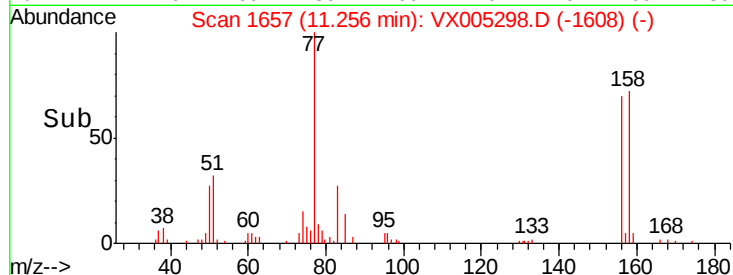
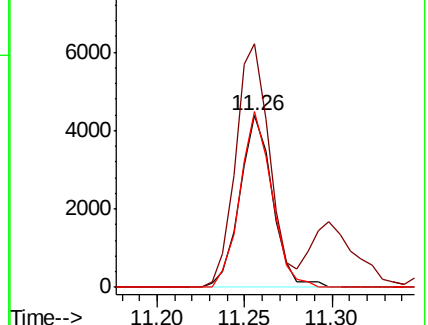
158 99.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.734 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005298.D

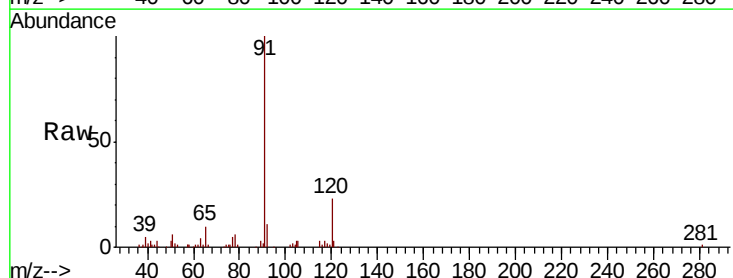
Acq: 12 Oct 2018 17:25

Tgt Ion: 91 Resp: 18070

Ion Ratio Lower Upper

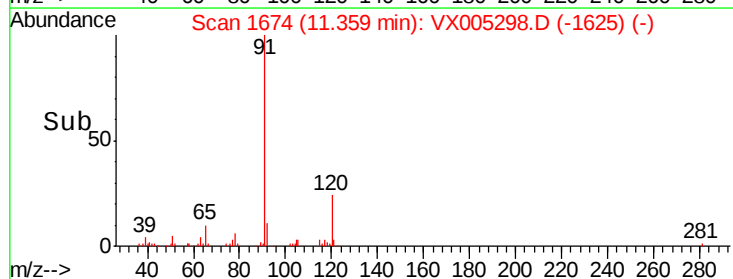
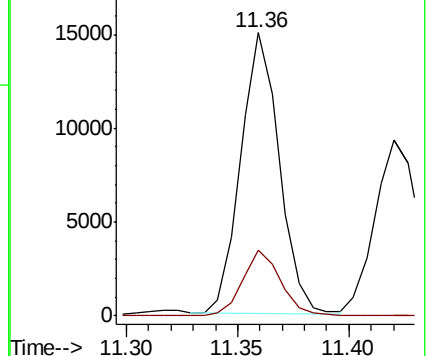
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

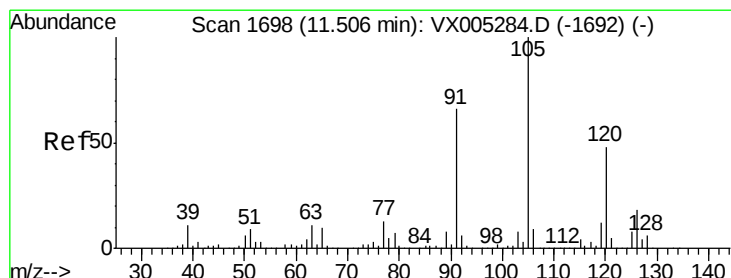
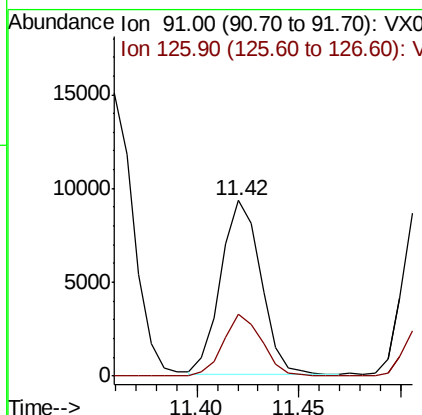
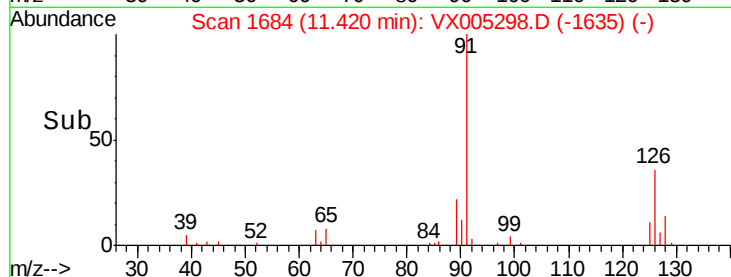
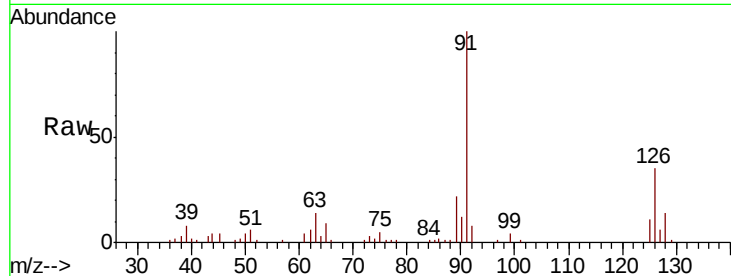




#79
2-Chlorotoluene
Concen: 1.977 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

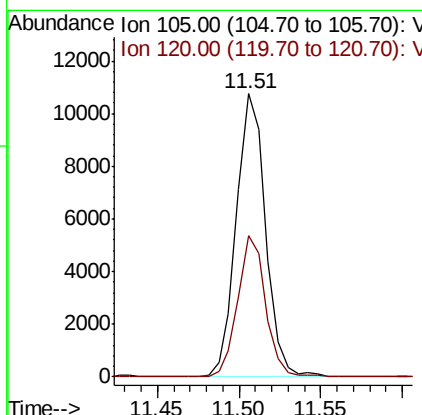
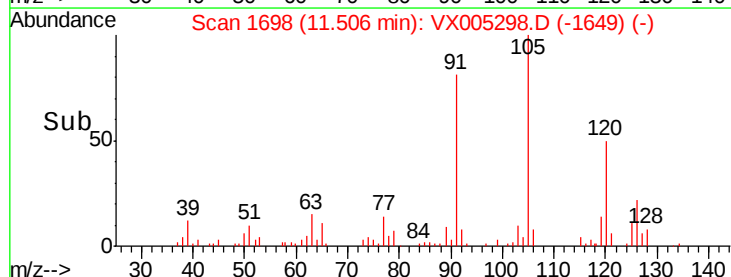
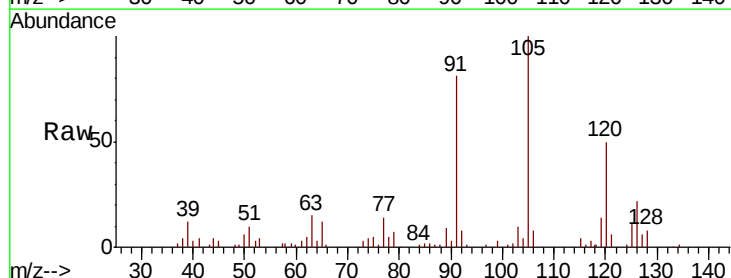
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

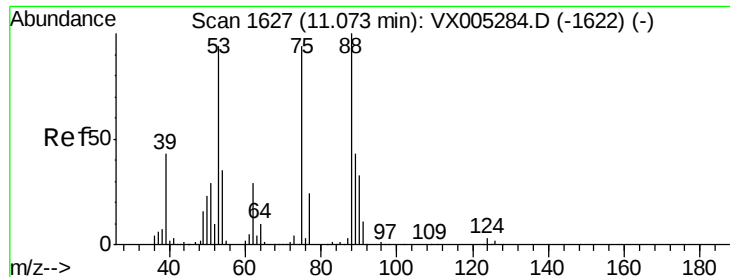
Tot Ion: 91 Resp: 12621
Ion Ratio Lower Upper
91 100
126 34.1 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 1.733 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion: 105 Resp: 13439
Ion Ratio Lower Upper
105 100
120 47.6 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 65.510 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

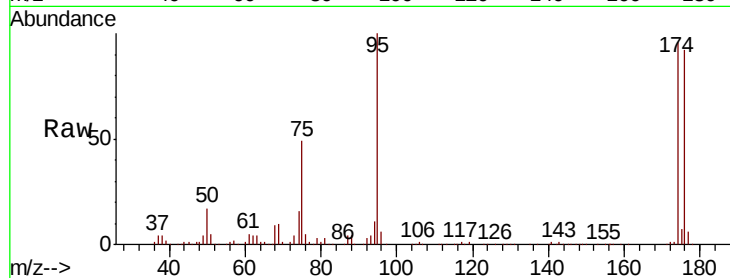
Tot Ion: 75 Resp: 63712

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

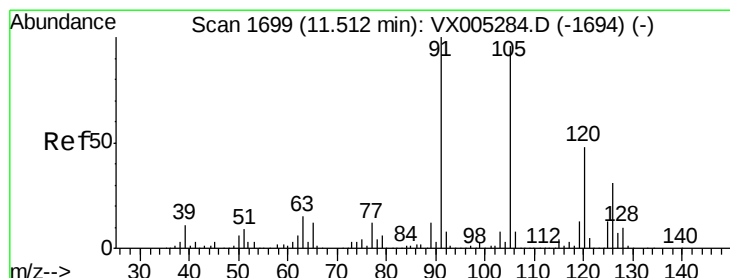
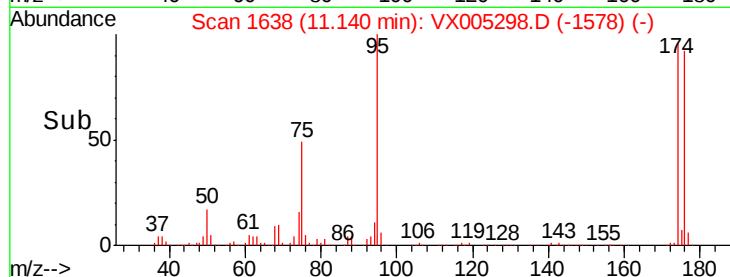
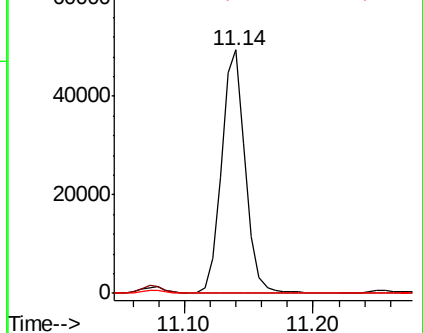
89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.884 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005298.D

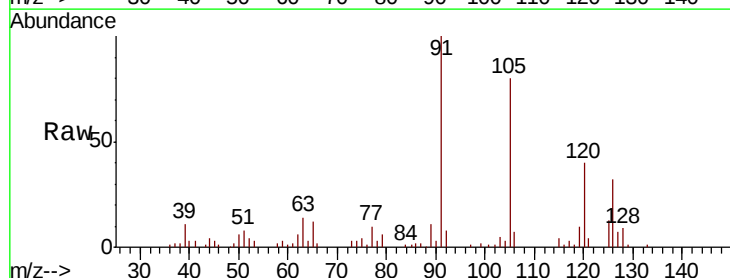
Acq: 12 Oct 2018 17:25

Tgt Ion: 91 Resp: 14258

Ion Ratio Lower Upper

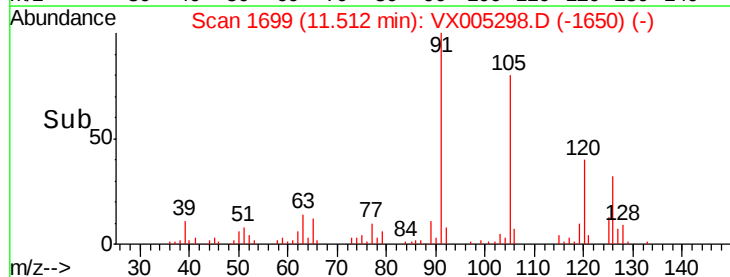
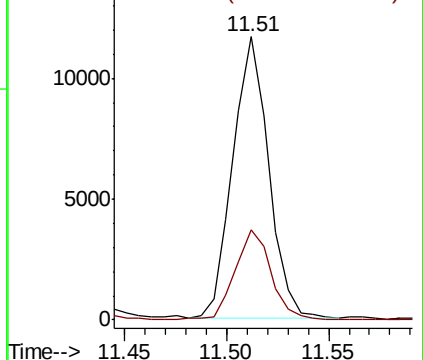
91 100

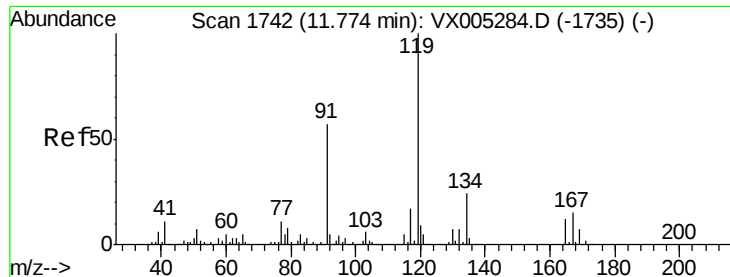
126 32.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

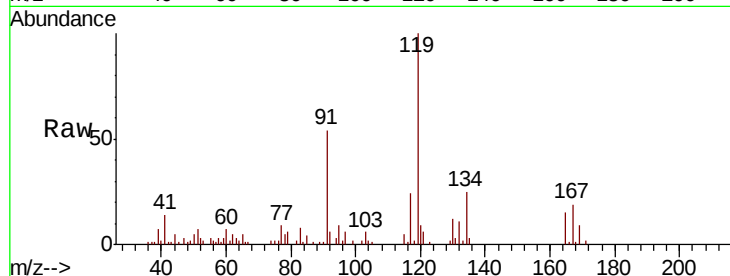




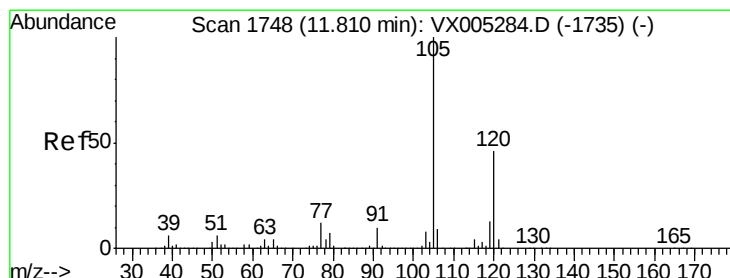
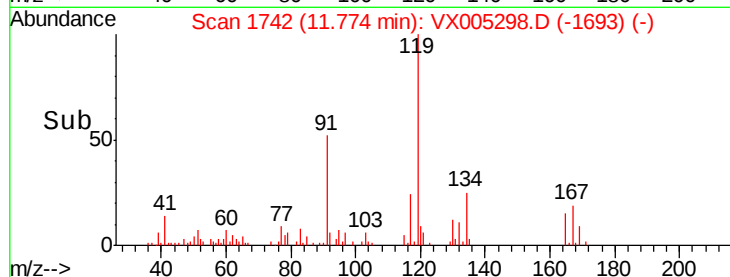
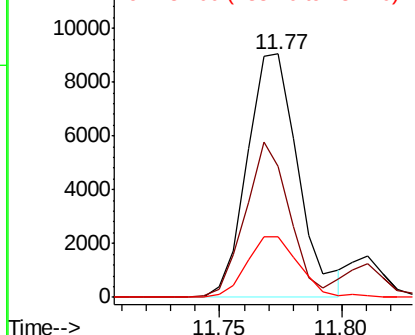
#83
 tert-Butylbenzene
 Concen: 1.664 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:119 Resp: 13068
 Ion Ratio Lower Upper
 119 100
 91 55.4 27.0 81.0
 134 25.7 11.7 35.1

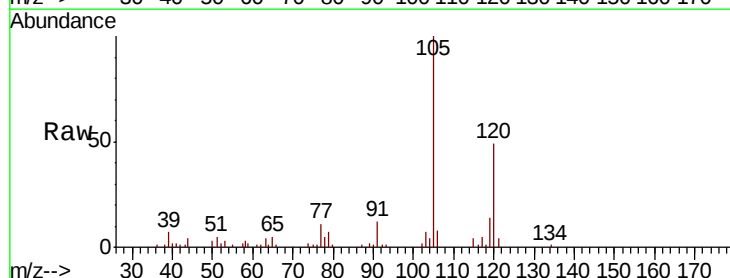


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

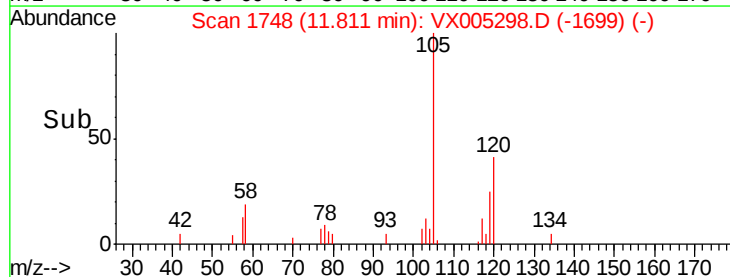
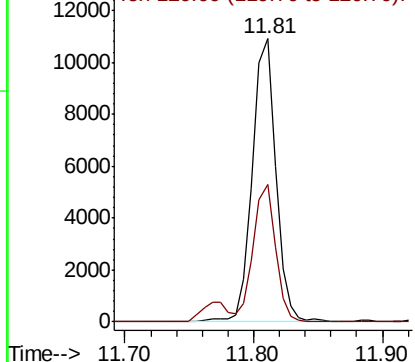


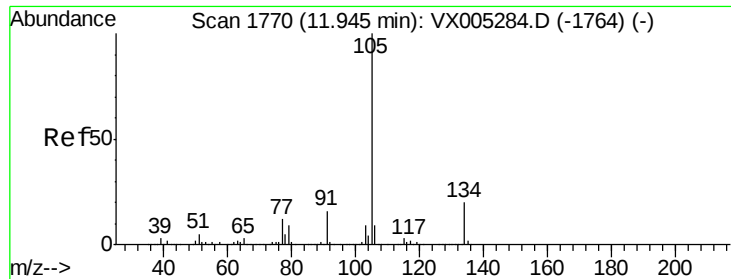
#84
 1,2,4-Trimethylbenzene
 Concen: 1.711 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion:105 Resp: 13658
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6



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





#85

sec-Butylbenzene

Concen: 1.464 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

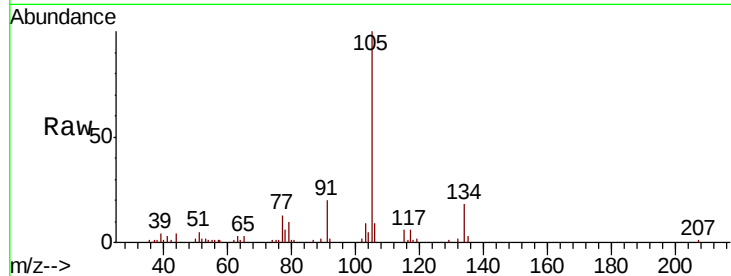
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 13605

Ion Ratio Lower Upper

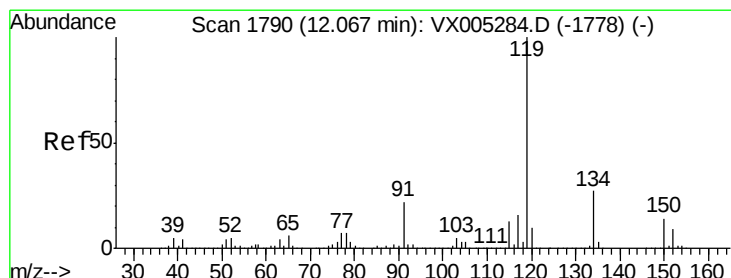
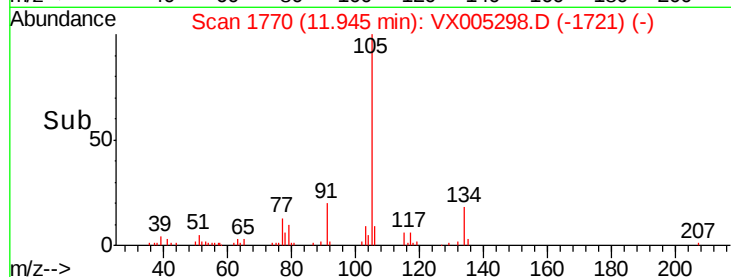
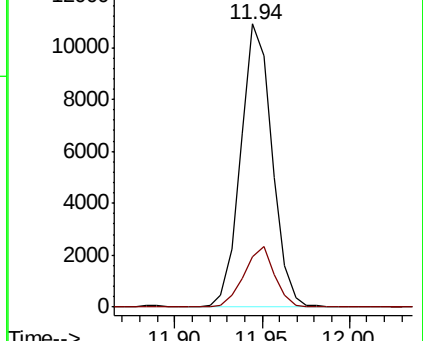
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.507 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

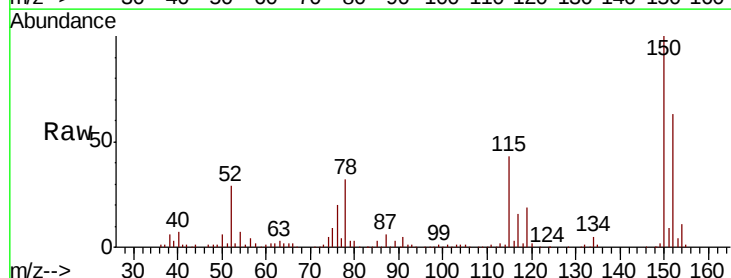
Tgt Ion:119 Resp: 12659

Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.2

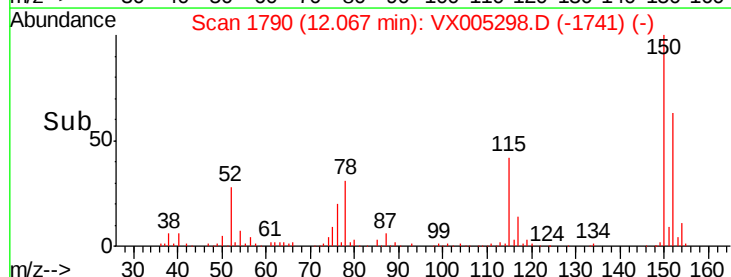
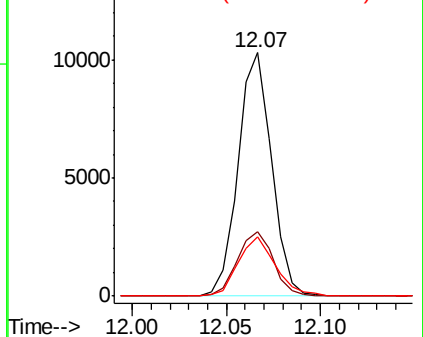
91 27.0 10.9 32.7

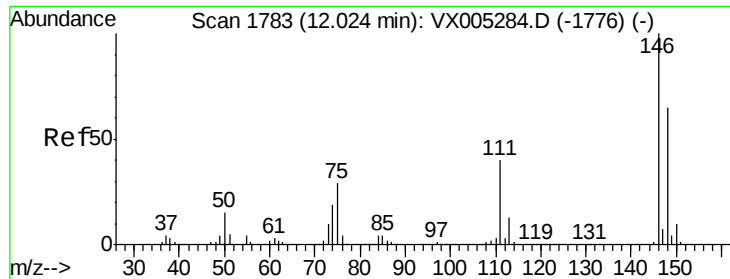


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

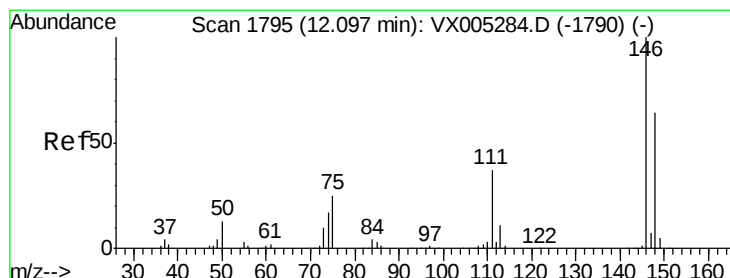
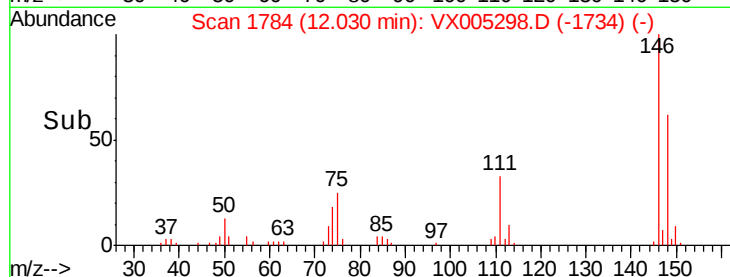
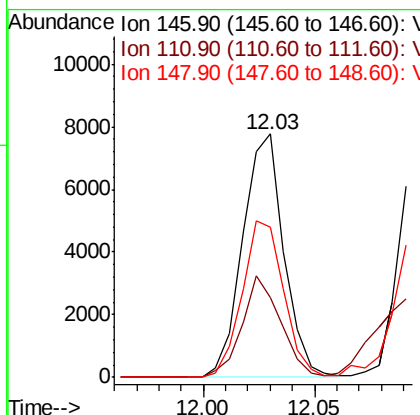
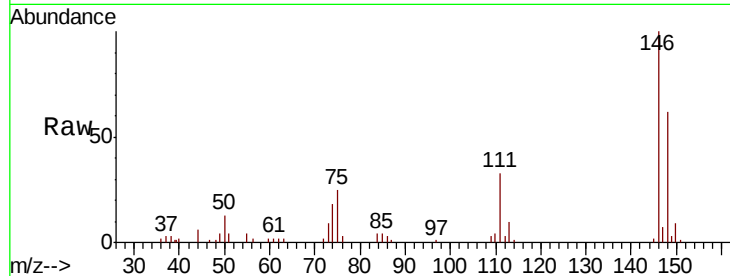




#87
 1,3-Dichlorobenzene
 Concen: 2.072 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

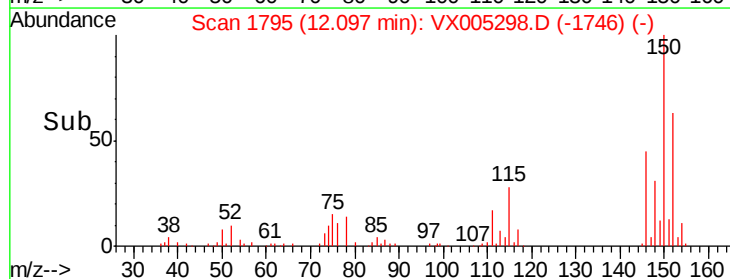
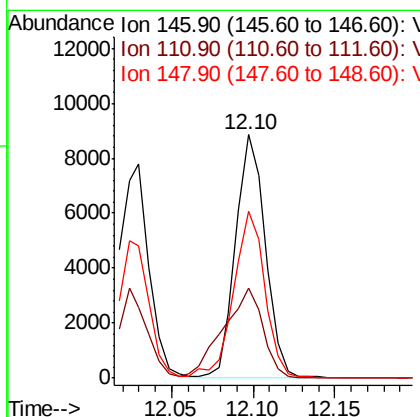
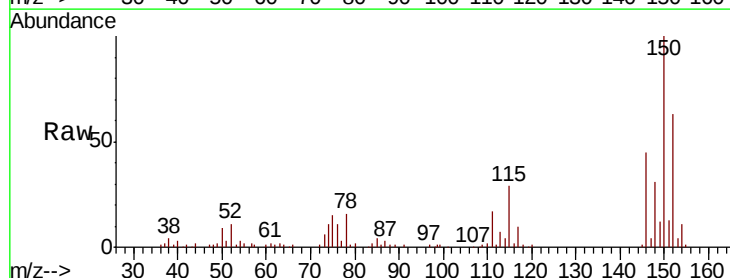
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

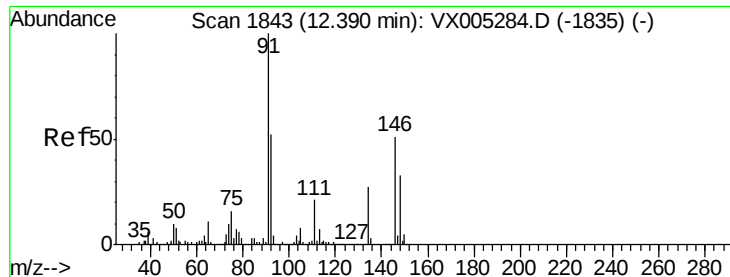
Tot Ion:146 Resp: 10025
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.7 56.1
 148 64.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 2.289 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion:146 Resp: 11329
 Ion Ratio Lower Upper
 146 100
 111 49.1 18.1 54.1
 148 71.9 32.0 96.0





#89

n-Butylbenzene

Concen: 1.442 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

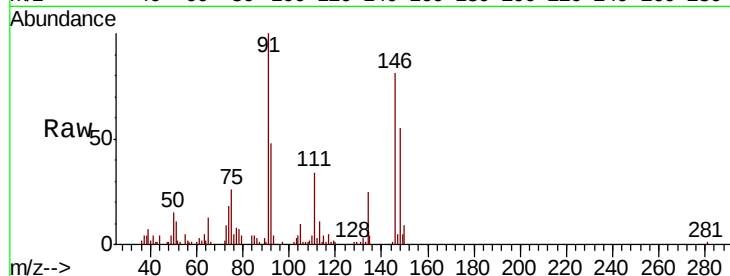
Tot Ion: 91 Resp: 11002

Ion Ratio Lower Upper

91 100

92 49.8 27.3 81.9

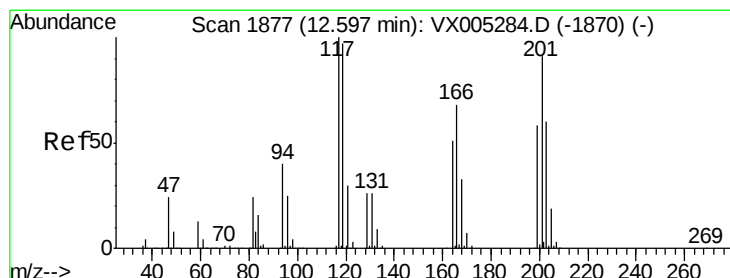
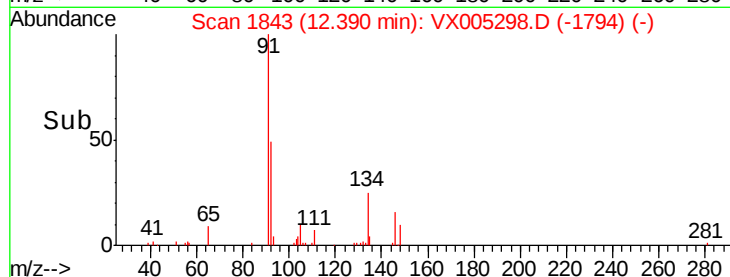
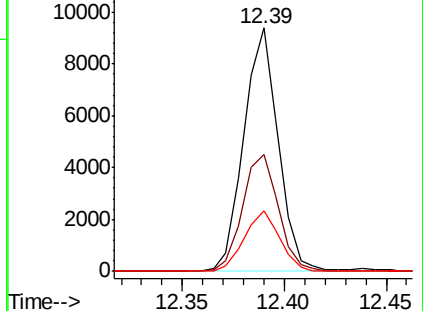
134 25.4 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX005284.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX005284.D (-1835) (-)



#90

Hexachloroethane

Concen: 1.691 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005298.D

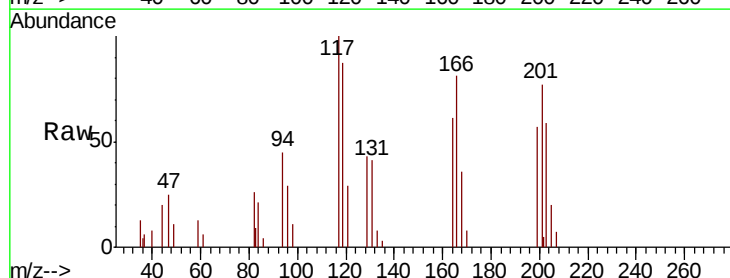
Acq: 12 Oct 2018 17:25

Tgt Ion: 117 Resp: 2448

Ion Ratio Lower Upper

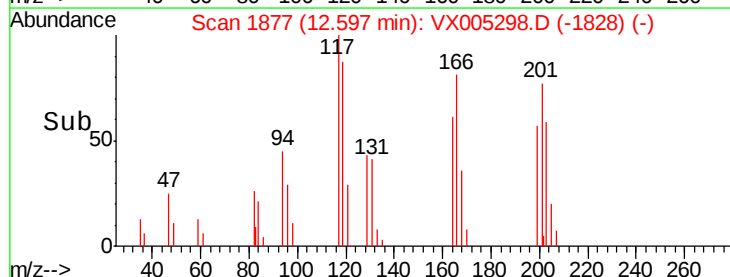
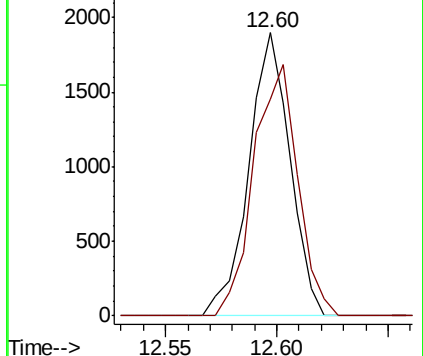
117 100

201 94.6 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005284.D (-1870) (-)





#91

1,2-Dichlorobenzene

Concen: 2.168 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

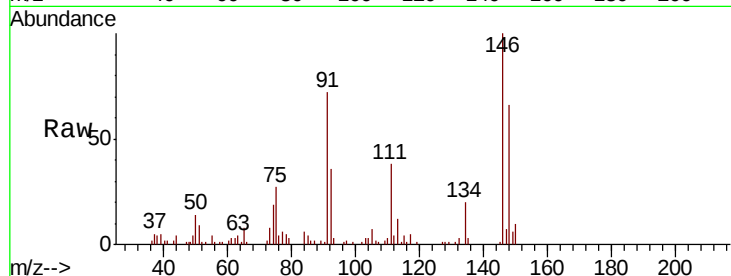
Tot Ion:146 Resp: 10707

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

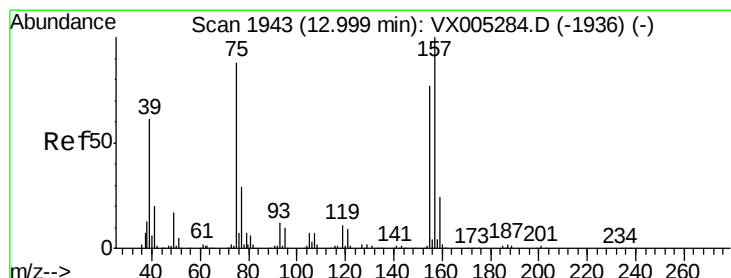
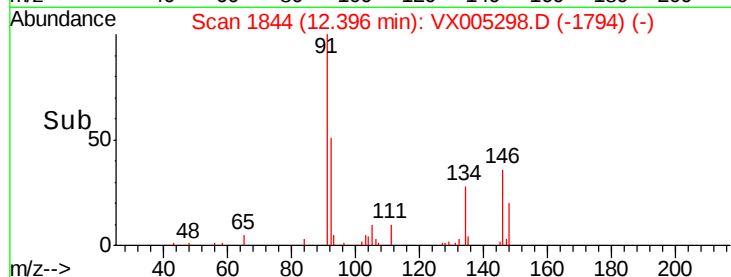
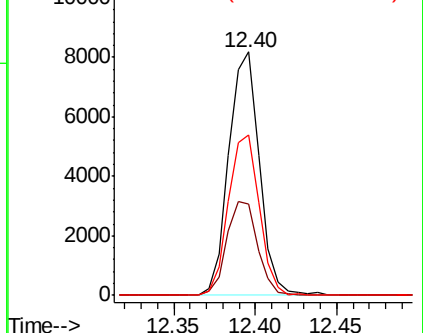
148 66.0 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.192 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX005298.D

Acq: 12 Oct 2018 17:25

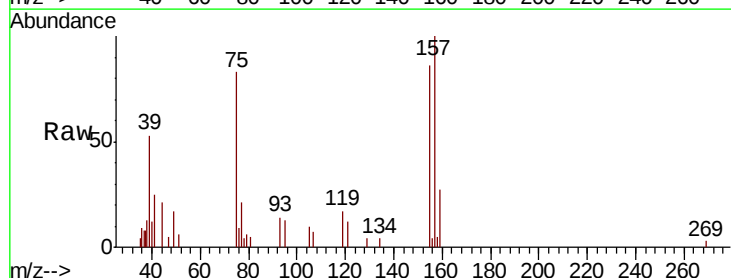
Tgt Ion: 75 Resp: 1827

Ion Ratio Lower Upper

75 100

155 96.7 48.0 144.2

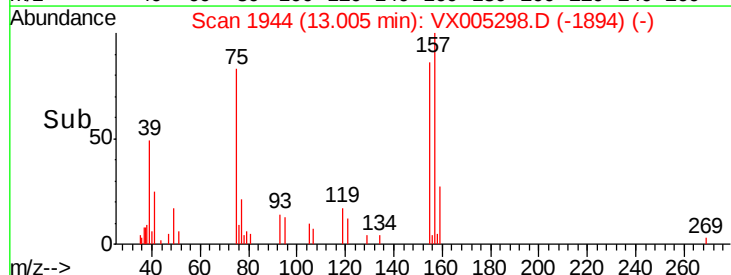
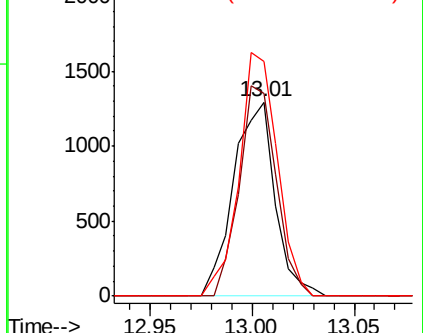
157 115.6 61.4 184.1

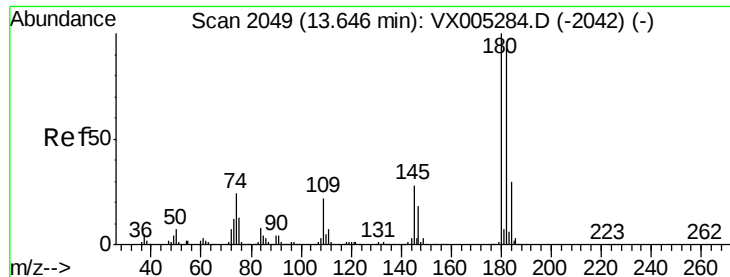


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

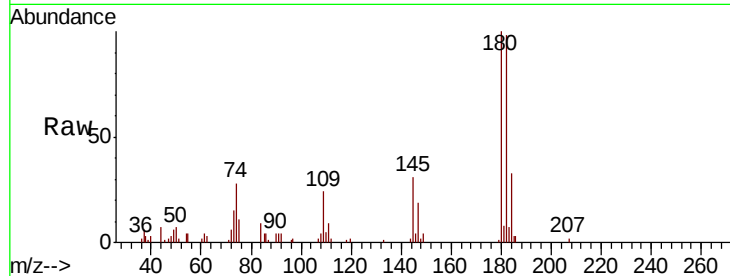




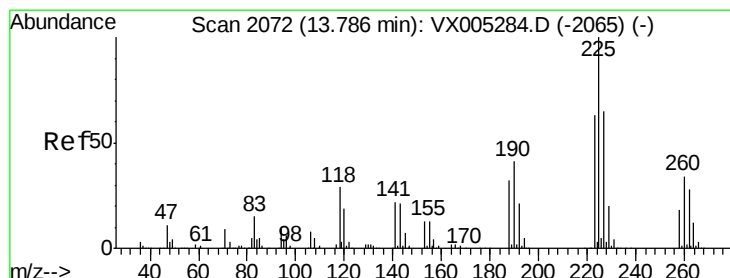
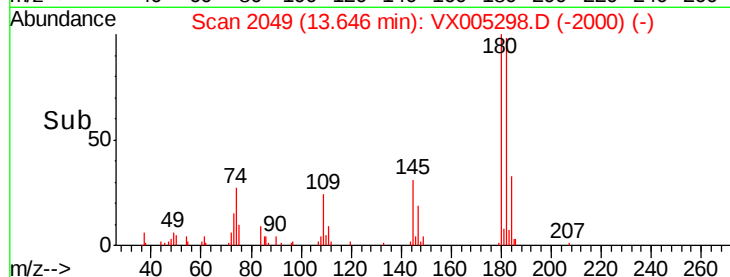
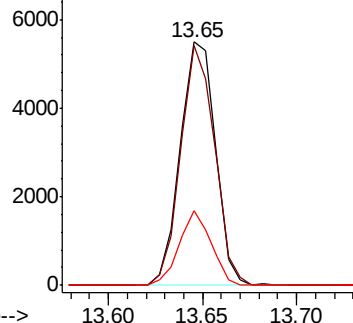
#93
 1,2,4-Trichlorobenzene
 Concen: 1.966 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:180 Resp: 7123
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.4 145.0
 145 27.8 14.3 42.9

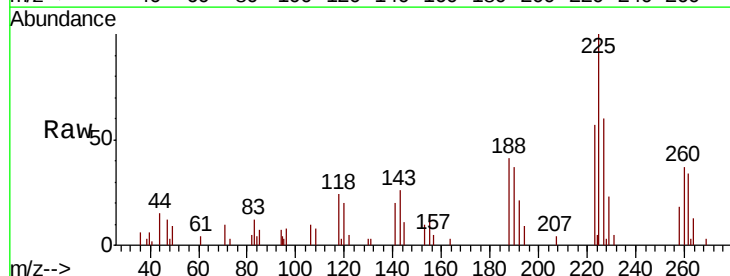


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

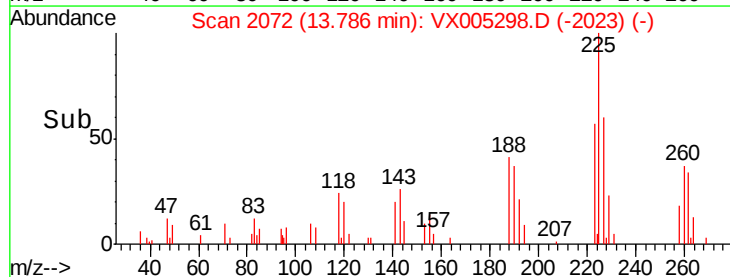
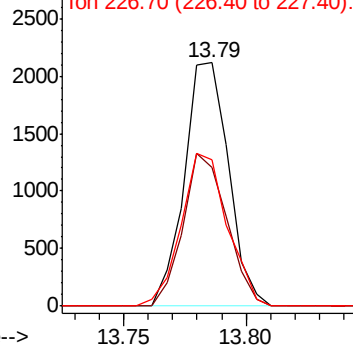


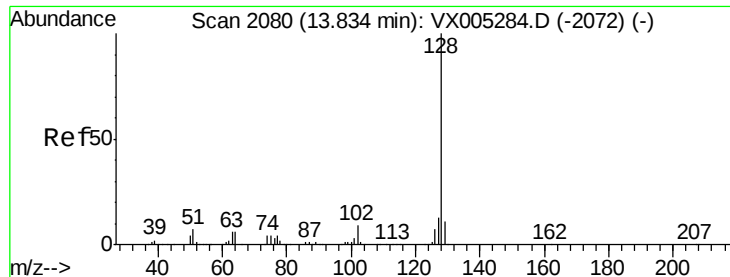
#94
 Hexachlorobutadiene
 Concen: 1.390 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005298.D
 Acq: 12 Oct 2018 17:25

Tgt Ion:225 Resp: 2660
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.1 90.5
 227 65.3 30.8 92.4



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

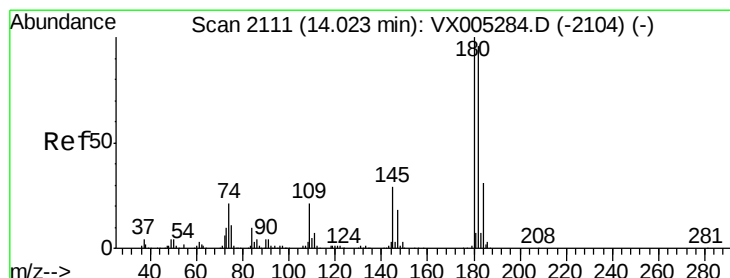
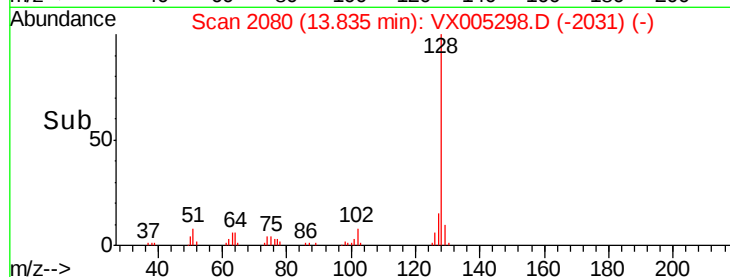
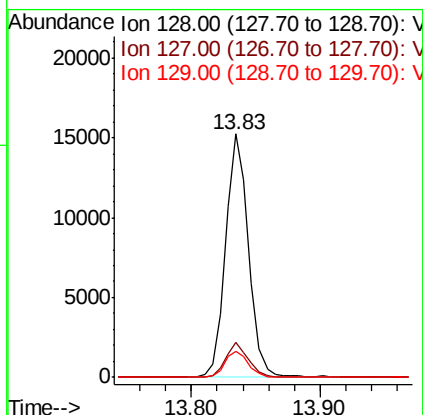
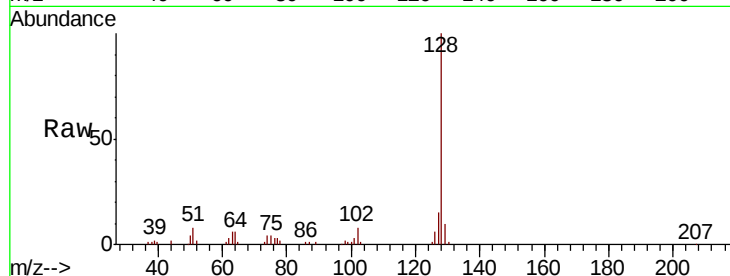




#95
Naphthalene
Concen: 1.811 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:128 Resp: 19028
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.972 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005298.D
Acq: 12 Oct 2018 17:25

Tgt Ion:180 Resp: 7308
Ion Ratio Lower Upper
180 100
182 94.6 48.5 145.6
145 33.0 14.9 44.9

