

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003259.D
 Acq On : 09 Jul 2018 22:17
 Operator : JC/MD
 Sample : J3762-08 L00 2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Quant Time: Jul 10 01:04:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194785	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	198781	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	5.51	113	164818	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	8.72	98	599552	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	212115	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	7059	1.90	ug/l	94
3) Chloromethane	1.32	50	7668	2.27	ug/l	99
4) Vinyl Chloride	1.40	62	7104	2.05	ug/l #	77
5) Bromomethane	1.64	94	5096	1.78	ug/l	83
6) Chloroethane	1.72	64	4491	2.34	ug/l #	88
7) Trichlorofluoromethane	1.93	101	11235	2.18	ug/l	94
8) Diethyl Ether	2.19	74	3960	2.13	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	6507	2.16	ug/l	99
10) Methyl Iodide	2.51	142	6864	7.48	ug/l	98
11) Tert butyl alcohol	3.08	59	8450	12.12	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	5694	2.07	ug/l	84
13) Acrolein	2.29	56	6607	11.76	ug/l	99
14) Allyl chloride	2.73	41	10490	2.06	ug/l	93
15) Acrylonitrile	3.15	53	17244	11.08	ug/l	99
16) Acetone	2.45	43	17108	12.54	ug/l	98
17) Carbon Disulfide	2.57	76	15646	2.05	ug/l	97
18) Methyl Acetate	2.78	43	8324	2.16	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	20120	2.19	ug/l	97
20) Methylene Chloride	2.86	84	7155	1.88	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	6503	2.22	ug/l	87
22) Diisopropyl ether	3.87	45	21729	2.10	ug/l #	93
23) Vinyl Acetate	3.83	43	86014	9.79	ug/l	95
24) 1,1-Dichloroethane	3.70	63	11709	2.17	ug/l	99
25) 2-Butanone	4.71	43	25912	10.73	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7640	1.62	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	7728	2.15	ug/l	41
28) Bromochloromethane	5.02	49	6130	2.26	ug/l	98
29) Tetrahydrofuran	5.17	42	16513	10.54	ug/l	94
30) Chloroform	5.21	83	12612	2.13	ug/l	89
31) Cyclohexane	5.57	56	10317	2.05	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	10976	2.10	ug/l	99
36) 1,1-Dichloropropene	5.80	75	9317	2.09	ug/l	96
37) Ethyl Acetate	4.87	43	10667	2.19	ug/l #	85
38) Carbon Tetrachloride	5.78	117	9691	1.99	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	9603	1.83	ug/l	97
40) Benzene	6.15	78	26794	2.03	ug/l	98
41) Methacrylonitrile	5.06	41	5833	2.18	ug/l	97
42) 1,2-Dichloroethane	6.20	62	10131	2.06	ug/l	96
43) Isopropyl Acetate	6.47	43	15566	2.03	ug/l	96
44) Trichloroethene	7.22	130	8061	2.07	ug/l	89
45) 1,2-Dichloropropane	7.52	63	6865	2.00	ug/l	91
46) Dibromomethane	7.67	93	4936	2.11	ug/l	95
47) Bromodichloromethane	7.90	83	8269	1.92	ug/l	97
48) Methyl methacrylate	7.78	41	7181	1.83	ug/l	94
49) 1,4-Dioxane	7.76	88	3298	40.13	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	45248	9.48	ug/l	99
52) Toluene	8.79	92	17176	2.06	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	8653	1.70	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	7859	1.70	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	6850	1.98	ug/l	92
56) Ethyl methacrylate	9.19	69	8478	1.79	ug/l	96
57) 1,3-Dichloropropane	9.38	76	11344	2.04	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	20684	9.05	ug/l	99
59) 2-Hexanone	9.50	43	35069	9.68	ug/l	100
60) Dibromochloromethane	9.59	129	6330	1.75	ug/l	98
61) 1,2-Dibromoethane	9.68	107	7054	1.95	ug/l	99
64) Tetrachloroethene	9.34	164	9883	2.26	ug/l	89
65) Chlorobenzene	10.14	112	19937	2.03	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	6697	1.89	ug/l	98
67) Ethyl Benzene	10.26	91	29819	1.88	ug/l	99
68) m/p-Xylenes	10.36	106	22661	3.66	ug/l	97
69) o-Xylene	10.70	106	11358	1.90	ug/l	97
70) Styrene	10.71	104	16976	1.75	ug/l	99
71) Bromoform	10.86	173	4875	1.67	ug/l #	98
73) Isopropylbenzene	11.02	105	29590	1.92	ug/l	99
74) N-amyl acetate	6.47	43	15566	2.12	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	10123	2.12	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	10012	2.38	ug/l	85
77) Bromobenzene	11.26	156	9126	2.06	ug/l	97
78) n-propylbenzene	11.36	91	32727	1.91	ug/l	97
79) 2-Chlorotoluene	11.43	91	21081	2.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	23971	1.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	105389	81.82	ug/l #	7
82) 4-Chlorotoluene	11.51	91	23877	1.96	ug/l	99
83) tert-Butylbenzene	11.77	119	23745	1.86	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	23871	1.82	ug/l	98
85) sec-Butylbenzene	11.95	105	28279	1.87	ug/l	99
86) p-Isopropyltoluene	12.07	119	25031	1.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	16521	2.03	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	17440	2.11	ug/l	91
89) n-Butylbenzene	12.39	91	20254	1.76	ug/l	96
90) Hexachloroethane	12.60	117	3567	1.70	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	16351	2.00	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1848	1.81	ug/l	90

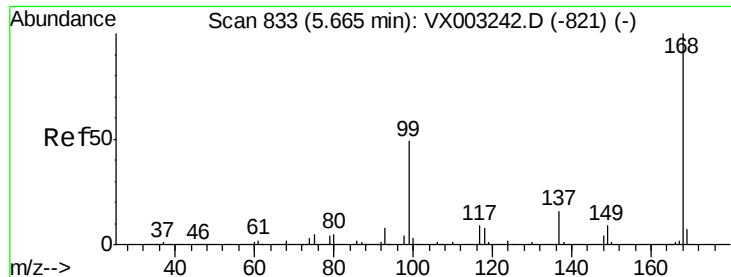
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	10709	1.80	ug/l	100
94) Hexachlorobutadiene	13.79	225	5306	1.79	ug/l	97
95) Naphthalene	13.83	128	26435	1.70	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	11233	1.89	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

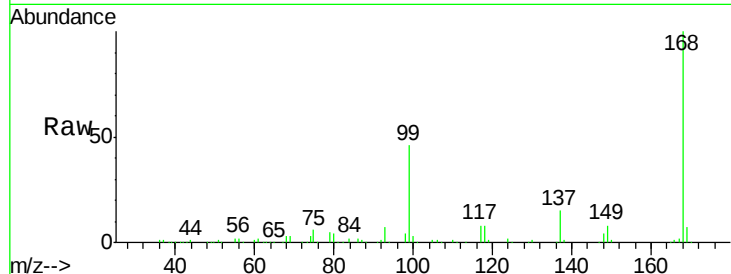
LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 244262

Ion Ratio Lower Upper

168 100

99 45.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

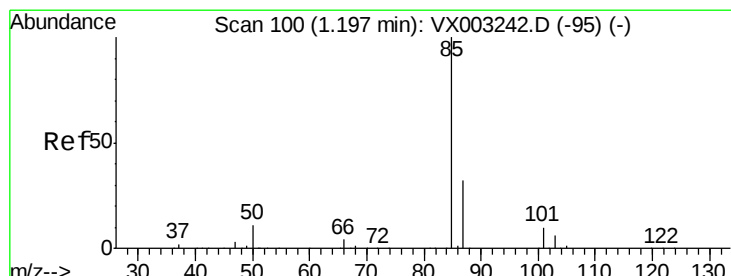
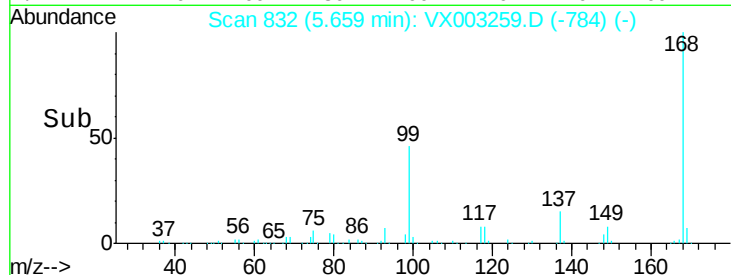
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.90 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003259.D

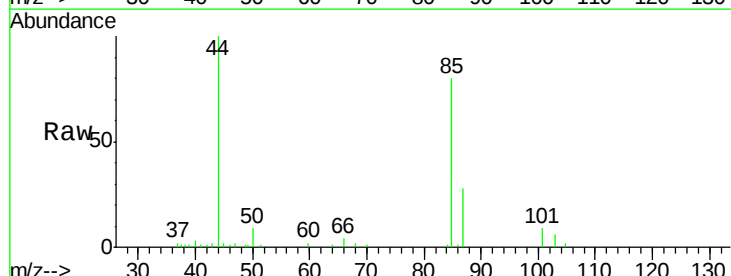
Acq: 09 Jul 2018 22:17

Tgt Ion: 85 Resp: 7059

Ion Ratio Lower Upper

85 100

87 35.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

8000

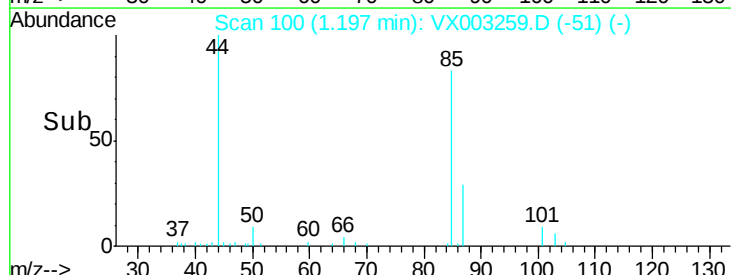
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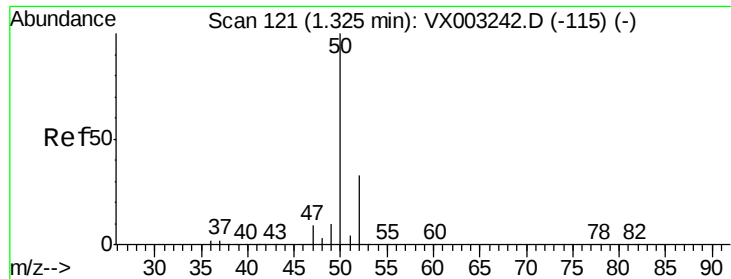
4000

2000

0

Time-->





#3

Chloromethane

Concen: 2.27 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

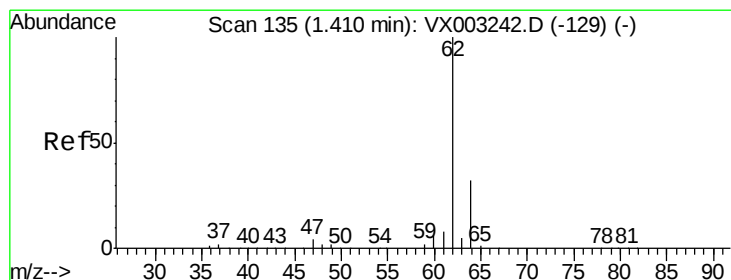
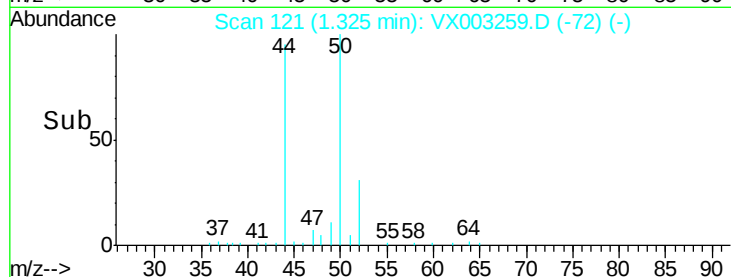
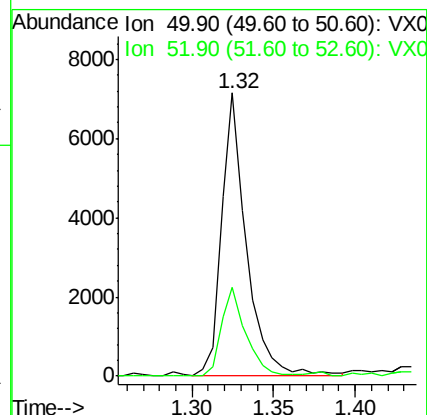
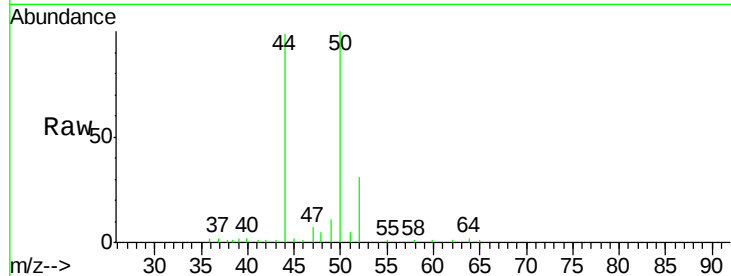
LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 7668

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



#4

Vinyl Chloride

Concen: 2.05 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003259.D

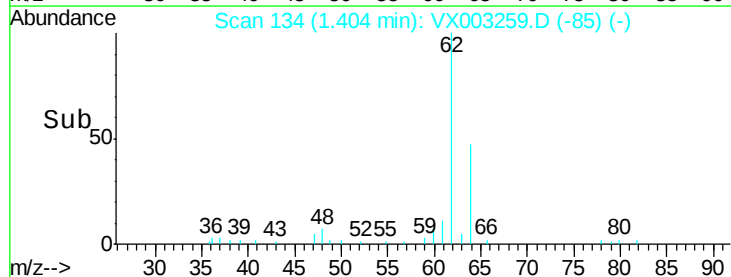
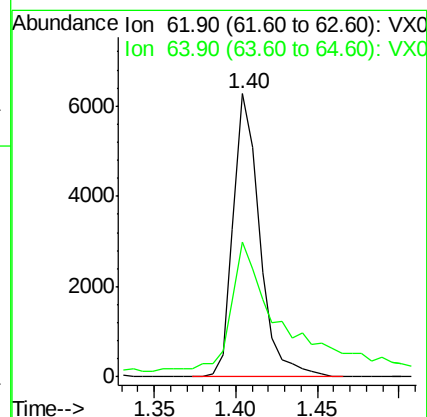
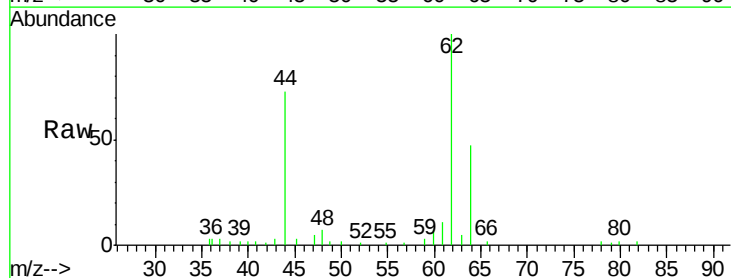
Acq: 09 Jul 2018 22:17

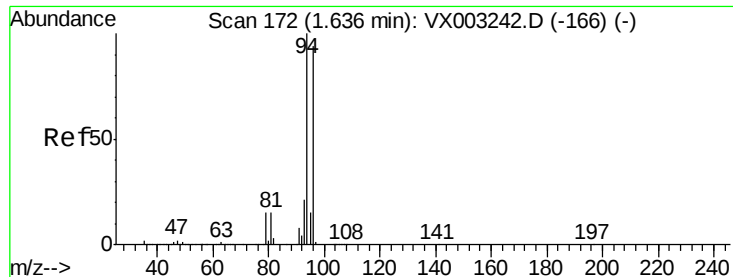
Tgt Ion: 62 Resp: 7104

Ion Ratio Lower Upper

62 100

64 44.6 25.4 38.2#





#5

Bromomethane

Concen: 1.78 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

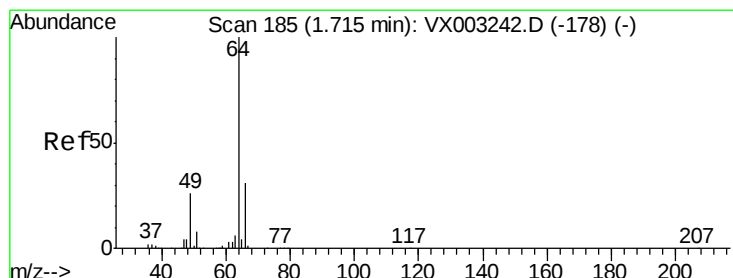
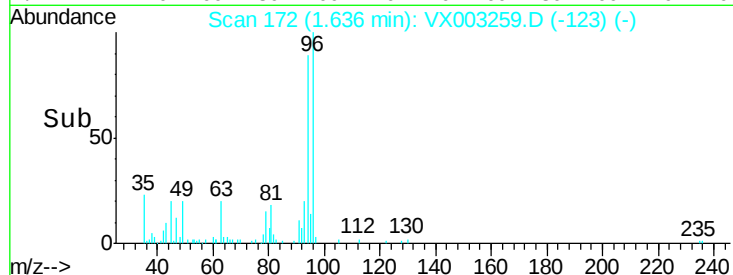
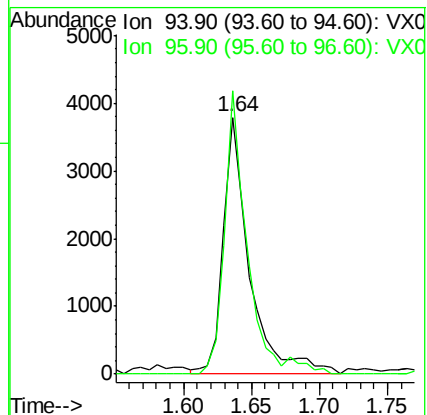
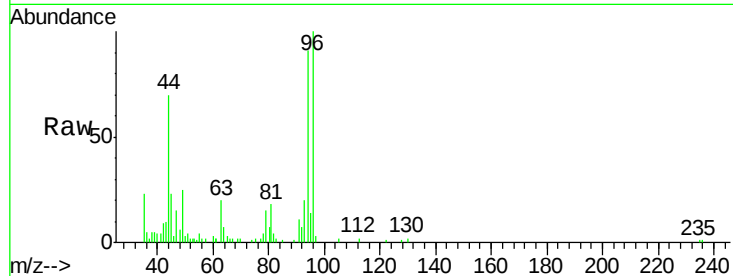
LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 5096

Ion Ratio Lower Upper

94 100

96 110.3 74.9 112.3



#6

Chloroethane

Concen: 2.34 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003259.D

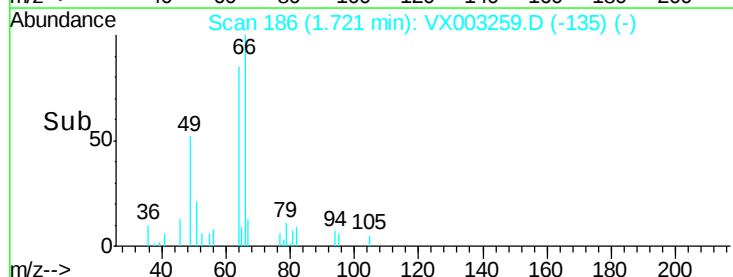
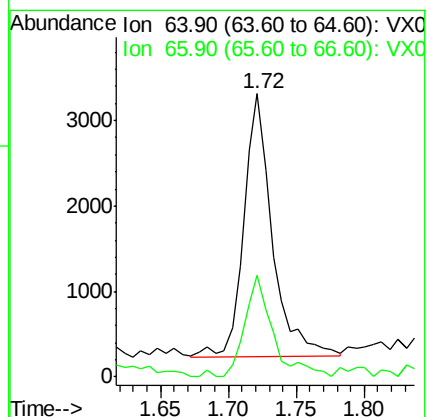
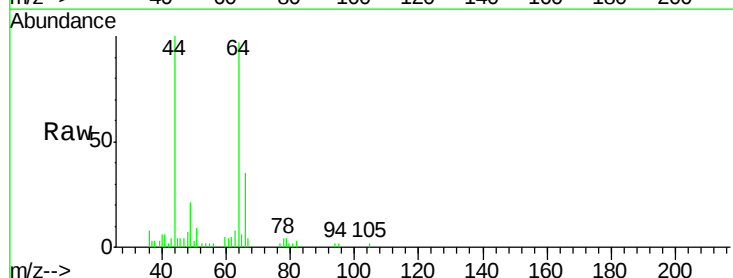
Acq: 09 Jul 2018 22:17

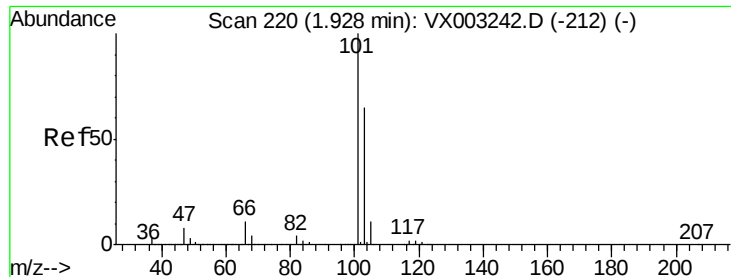
Tgt Ion: 64 Resp: 4491

Ion Ratio Lower Upper

64 100

66 38.6 25.5 38.3#





#7

Trichlorofluoromethane

Concen: 2.18 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

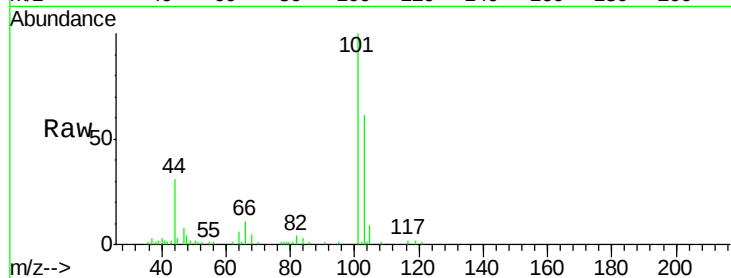
LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 11235

Ion Ratio Lower Upper

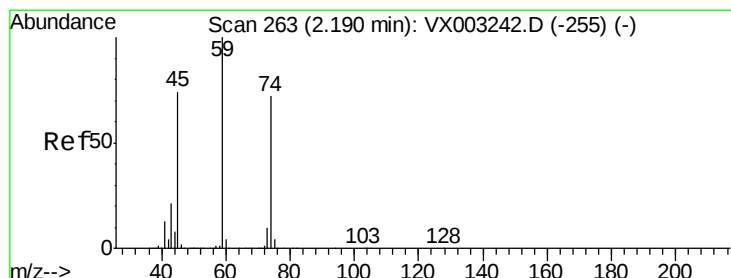
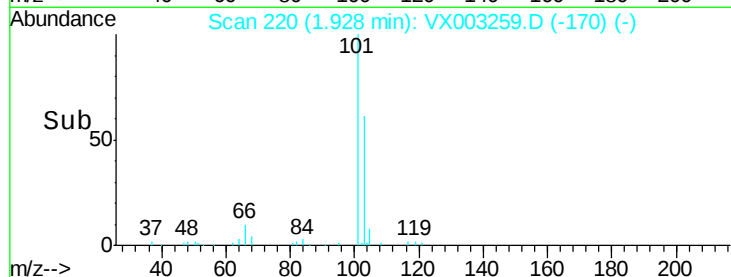
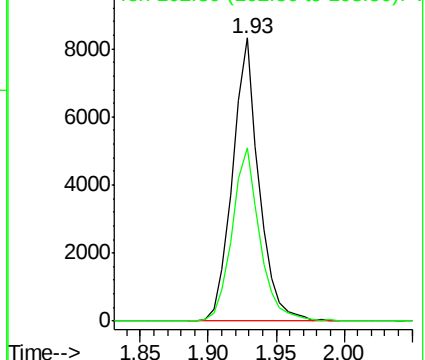
101 100

103 61.2 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.13 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003259.D

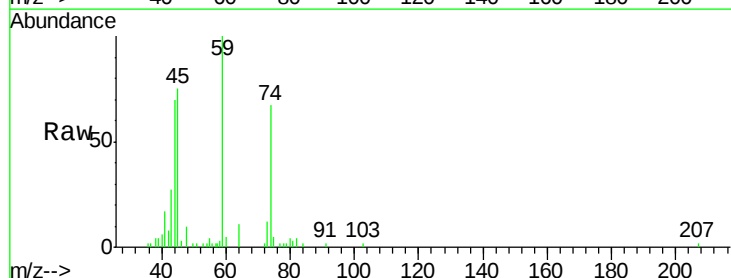
Acq: 09 Jul 2018 22:17

Tgt Ion: 74 Resp: 3960

Ion Ratio Lower Upper

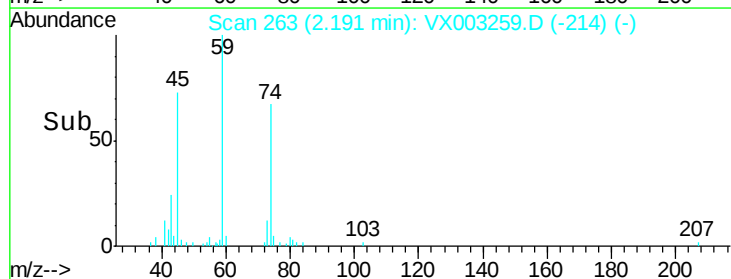
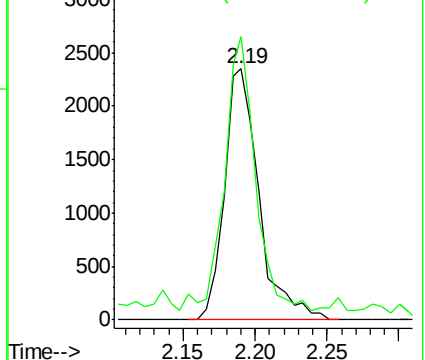
74 100

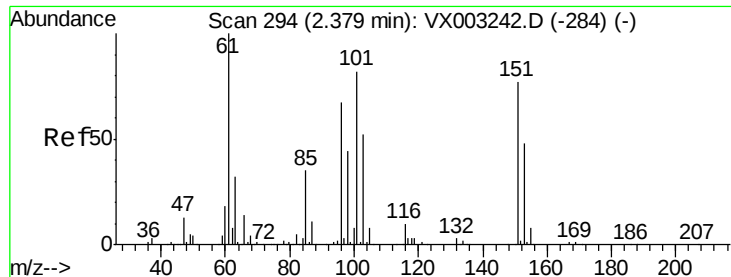
45 97.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.16 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

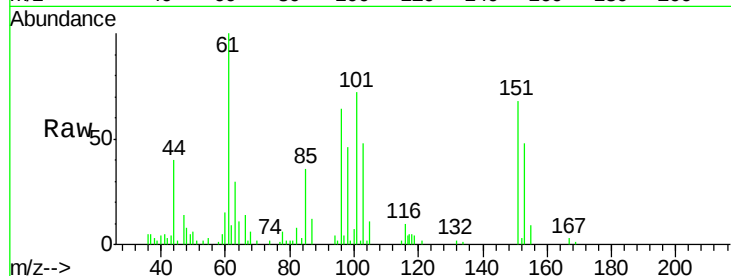
Tot Ion:101 Resp: 6507

Ion Ratio Lower Upper

101 100

85 46.4 36.0 54.0

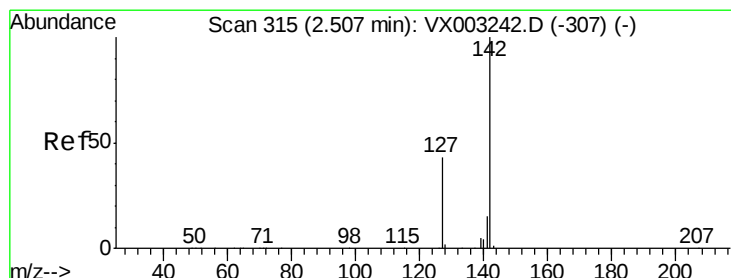
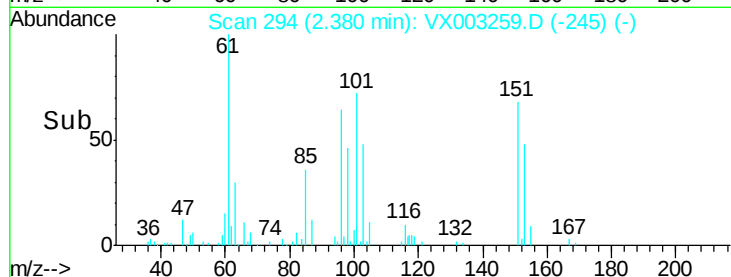
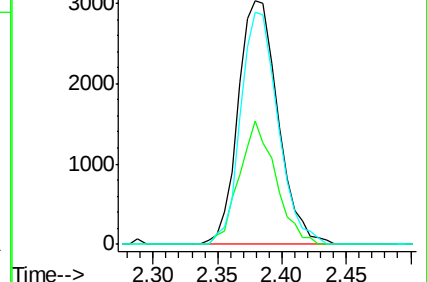
151 88.9 70.9 106.3



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: 7.48 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

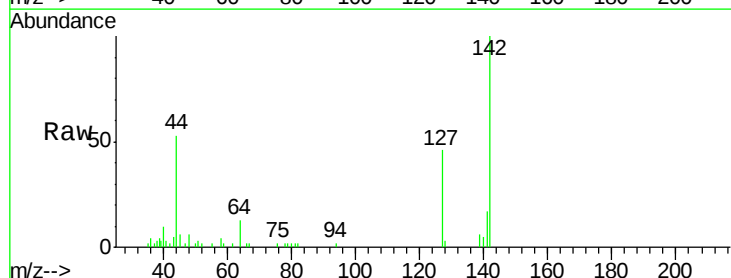
Tgt Ion:142 Resp: 6864

Ion Ratio Lower Upper

142 100

127 45.0 36.6 55.0

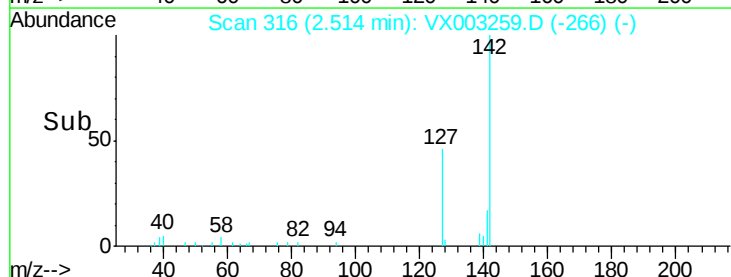
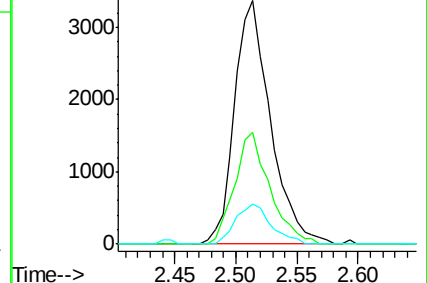
141 16.1 11.3 16.9

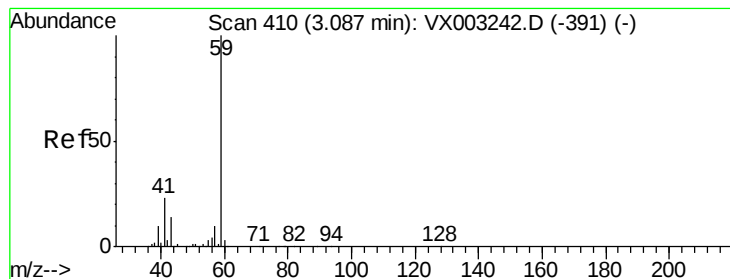


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



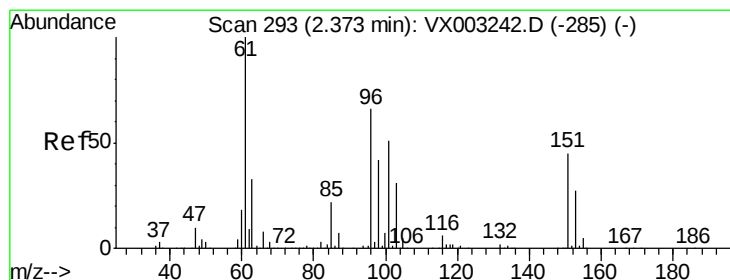
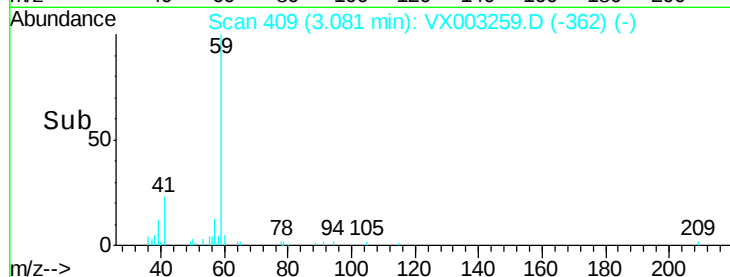
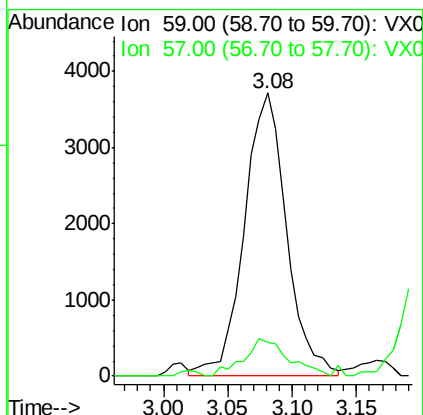
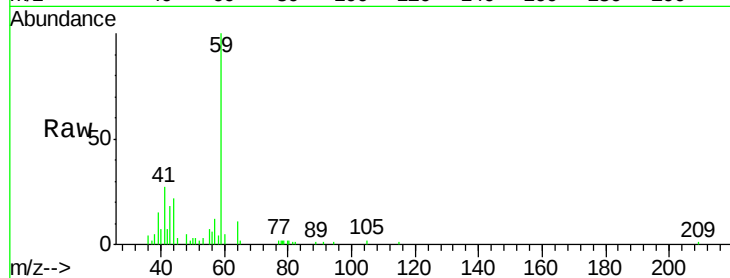


#11

Tert butyl alcohol
 Concen: 12.12 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

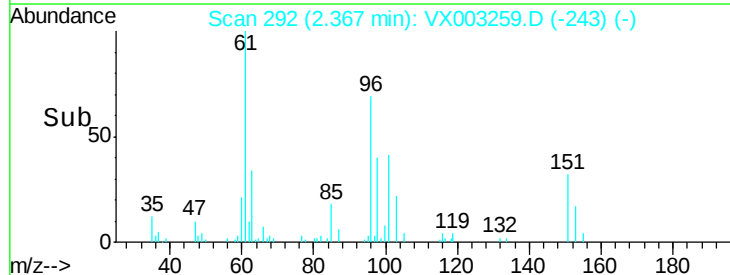
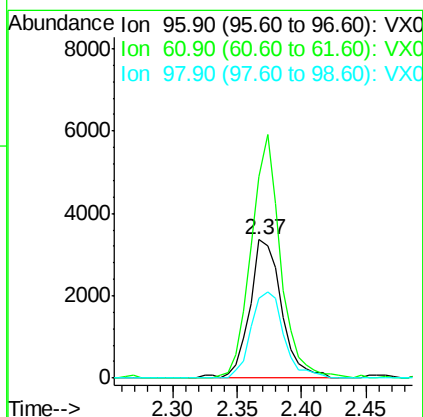
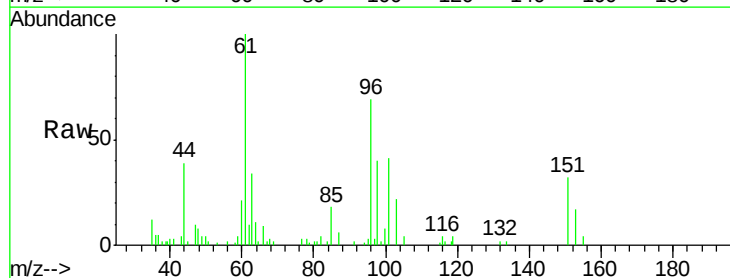
Tot Ion: 59 Resp: 8450
 Ion Ratio Lower Upper
 59 100
 57 14.0 8.2 12.2#

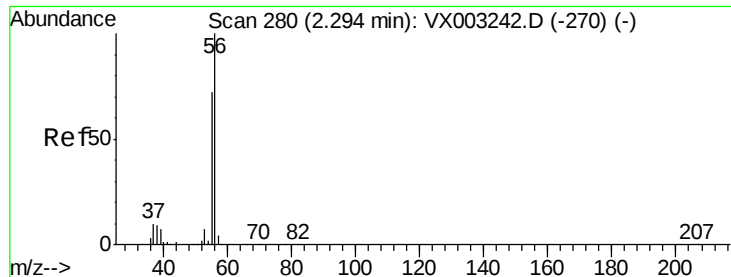


#12

1,1-Dichloroethene
 Concen: 2.07 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 96 Resp: 5694
 Ion Ratio Lower Upper
 96 100
 61 145.5 137.9 206.9
 98 57.8 51.6 77.4





#13

Acrolein

Concen: 11.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

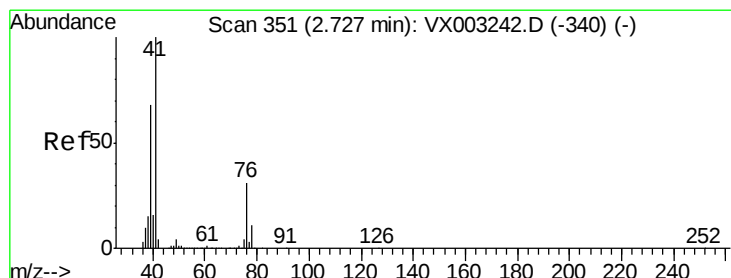
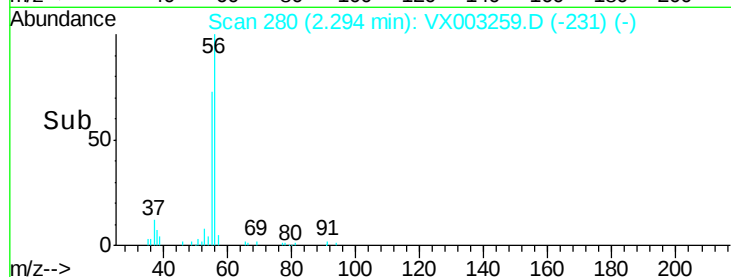
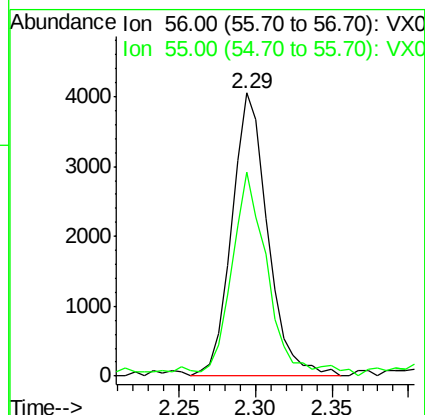
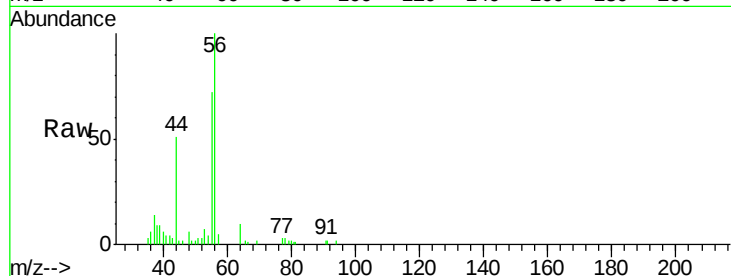
LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 6607

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.4



#14

Allyl chloride

Concen: 2.06 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

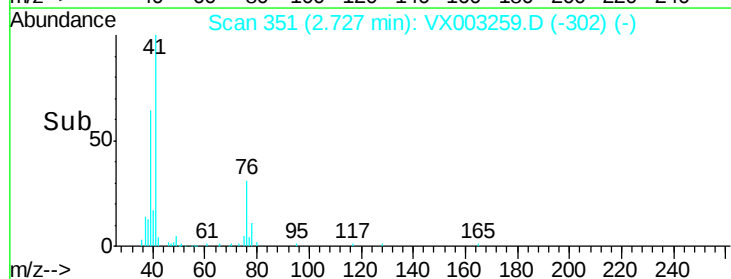
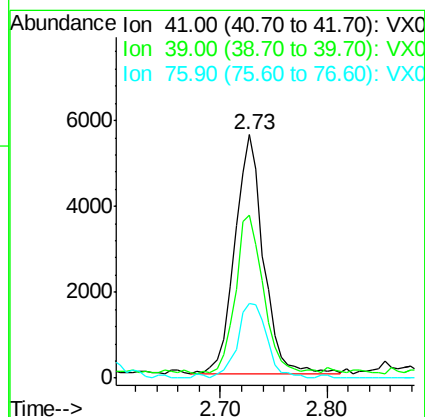
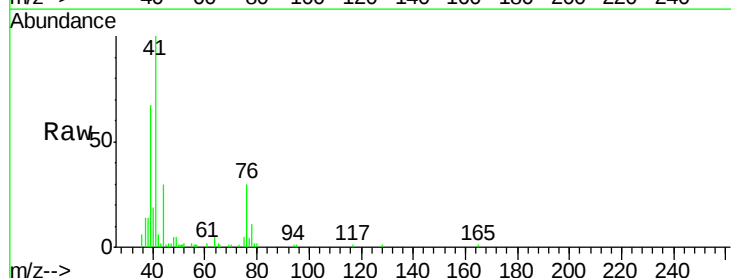
Tgt Ion: 41 Resp: 10490

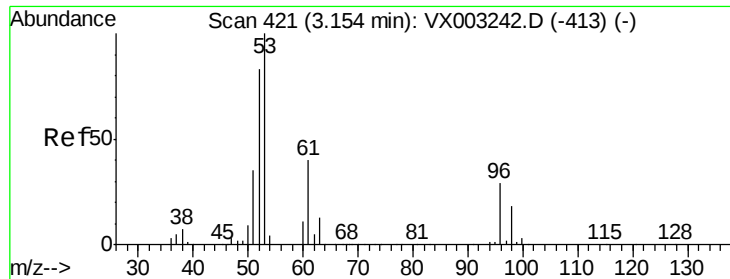
Ion Ratio Lower Upper

41 100

39 64.9 56.8 85.2

76 32.3 23.8 35.8





#15

Acrylonitrile

Concen: 11.08 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

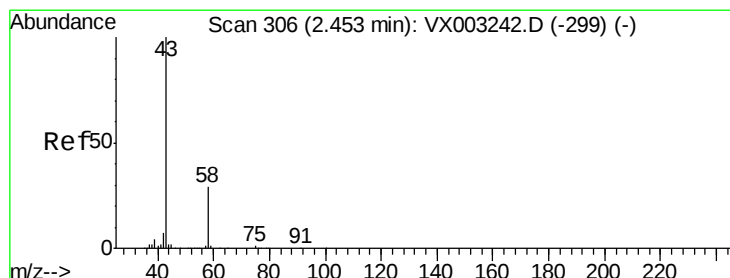
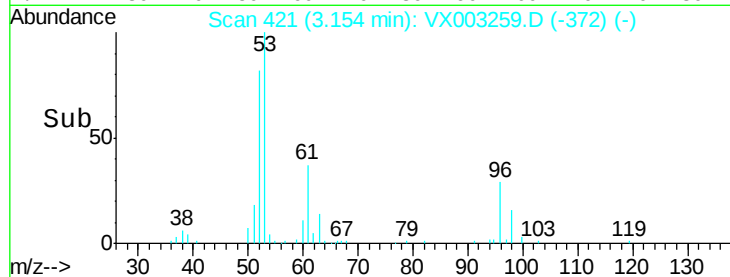
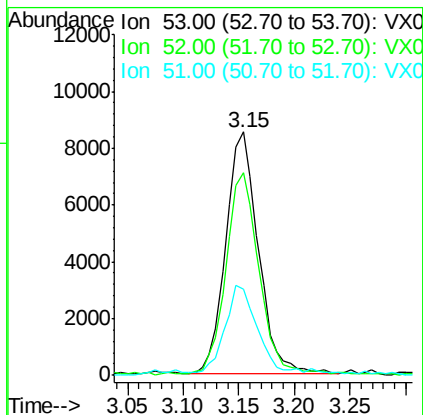
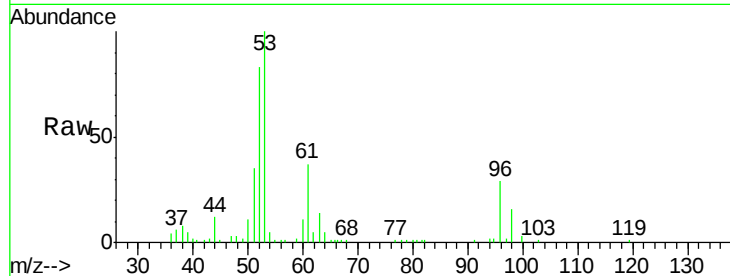
Tot Ion: 53 Resp: 17244

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 35.5 29.9 44.9



#16

Acetone

Concen: 12.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003259.D

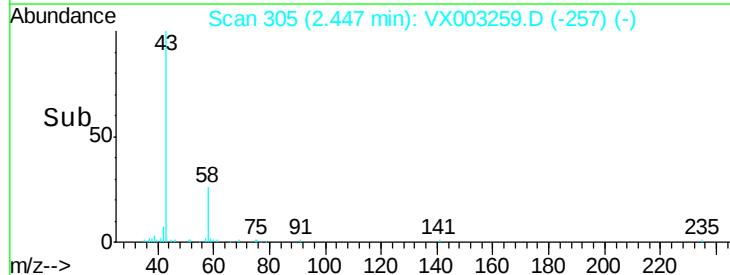
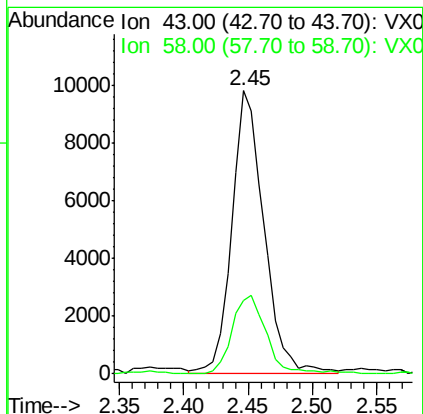
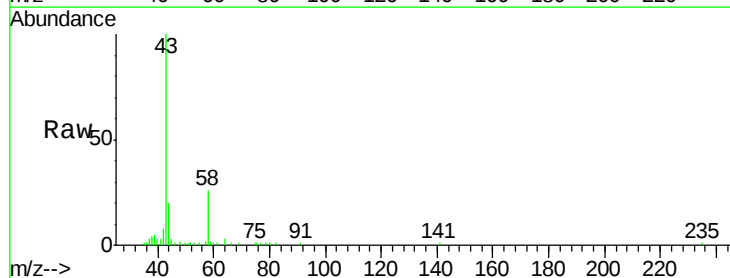
Acq: 09 Jul 2018 22:17

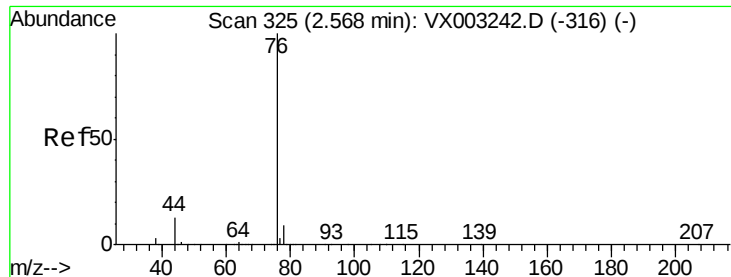
Tgt Ion: 43 Resp: 17108

Ion Ratio Lower Upper

43 100

58 26.4 22.1 33.1

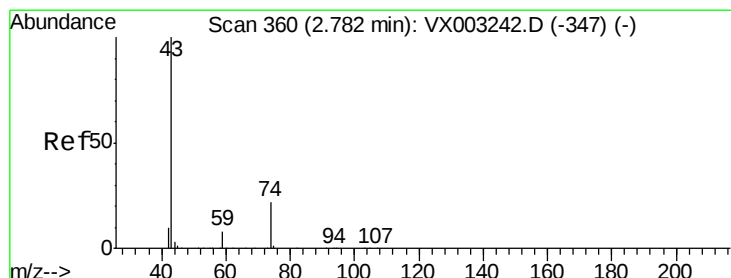
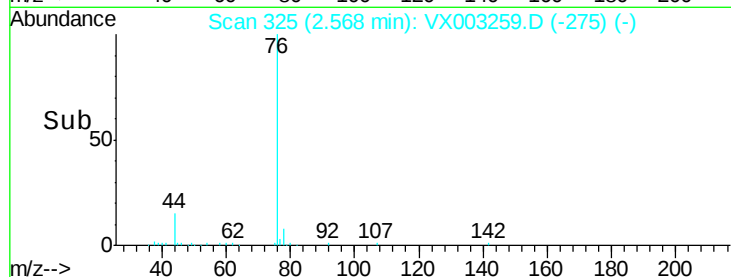
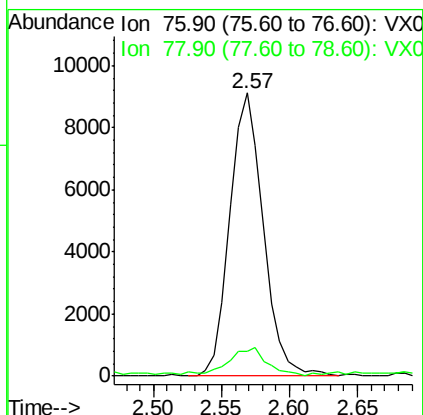
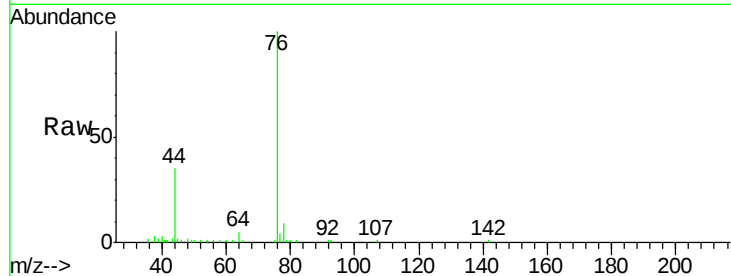




#17
Carbon Disulfide
Concen: 2.05 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

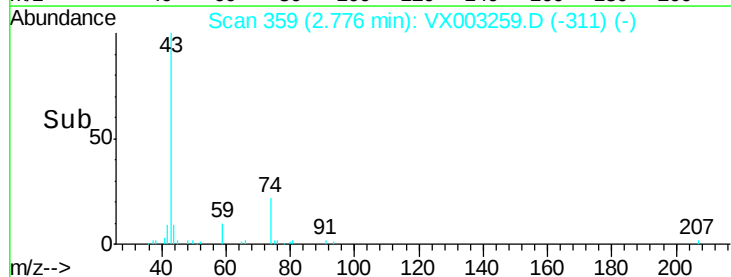
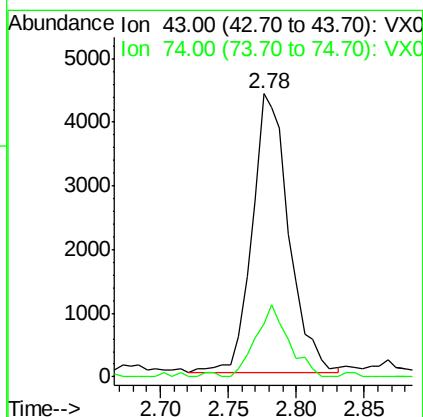
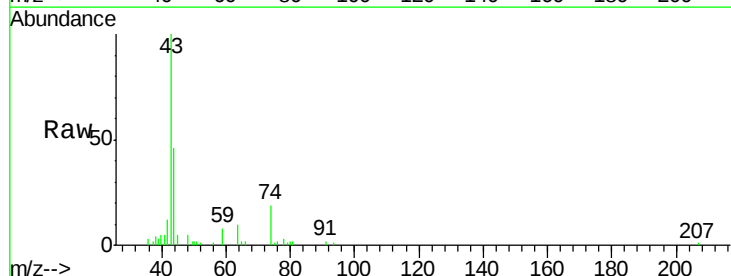
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

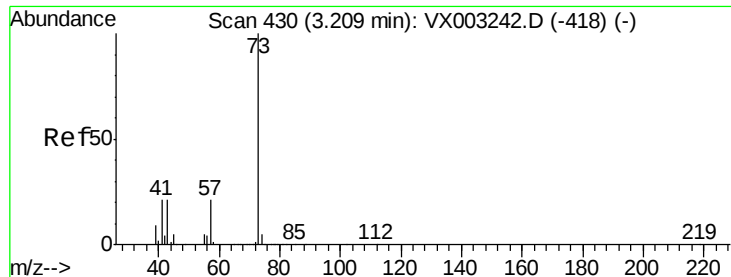
Tot Ion: 76 Resp: 15646
Ion Ratio Lower Upper
76 100
78 7.4 6.9 10.3



#18
Methyl Acetate
Concen: 2.16 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 43 Resp: 8324
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1





#19

Methvl tert-butvl Ether

Concen: 2.19 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

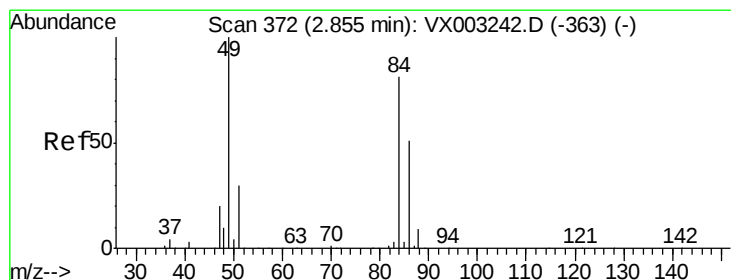
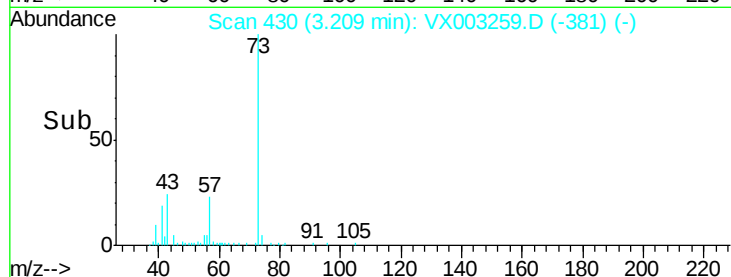
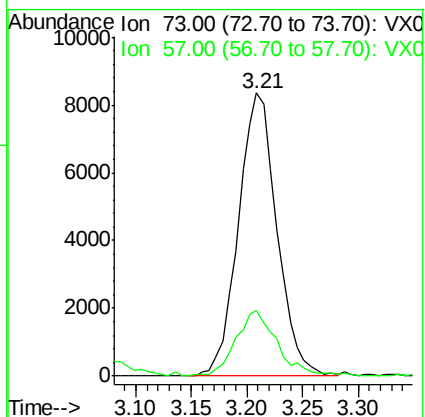
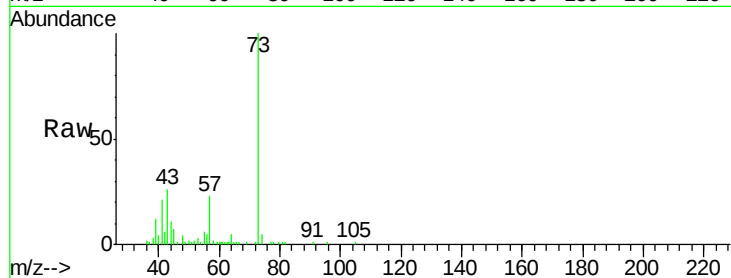
LOQ-WATER-02-QT3-2018

Tot Ion: 73 Resp: 20120

Ion Ratio Lower Upper

73 100

57 23.5 17.7 26.5



#20

Methylene Chloride

Concen: 1.88 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion: 84 Resp: 7155

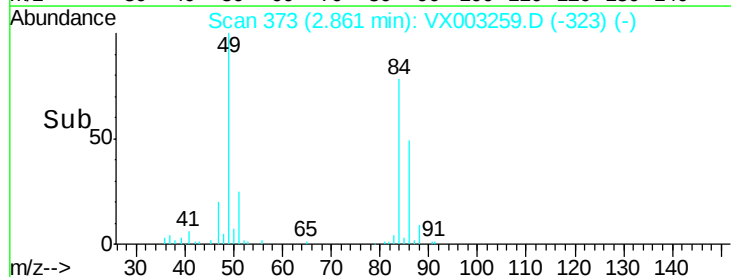
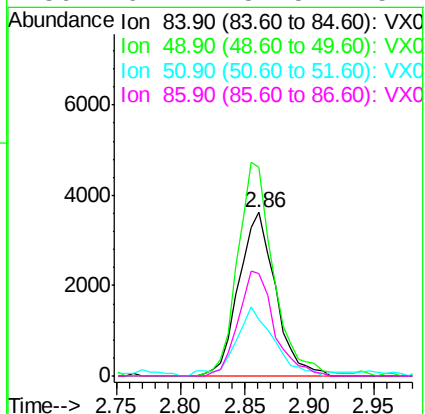
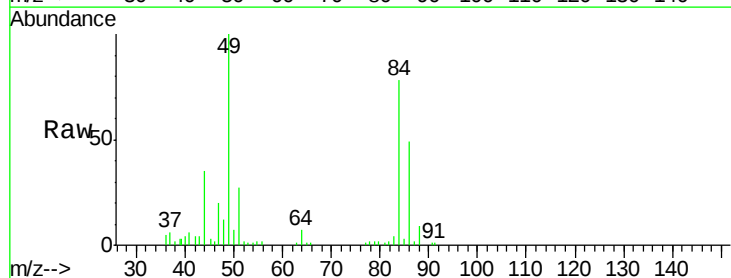
Ion Ratio Lower Upper

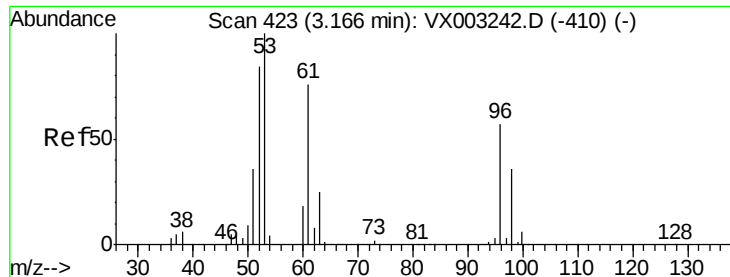
84 100

49 127.5 107.8 161.6

51 34.8 32.8 49.2

86 62.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 2.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

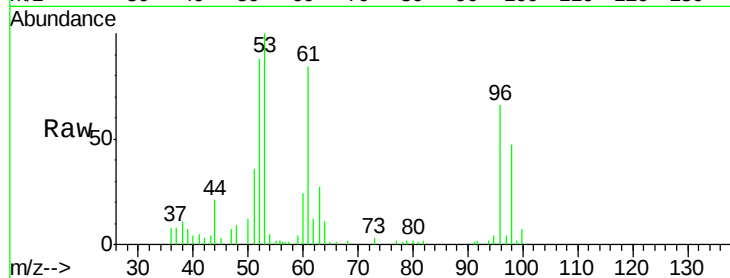
Tot Ion: 96 Resp: 6503

Ion Ratio Lower Upper

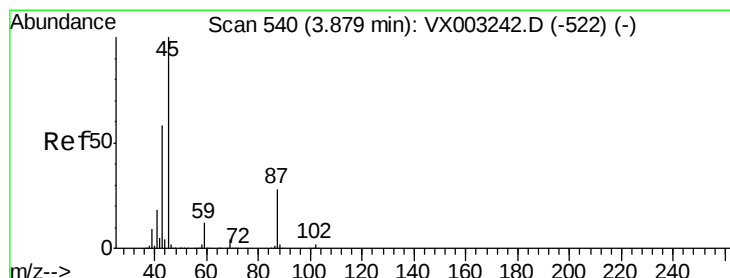
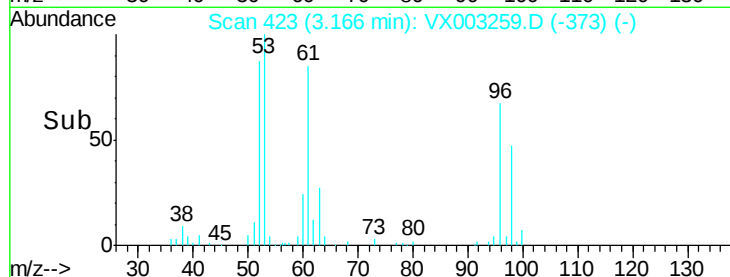
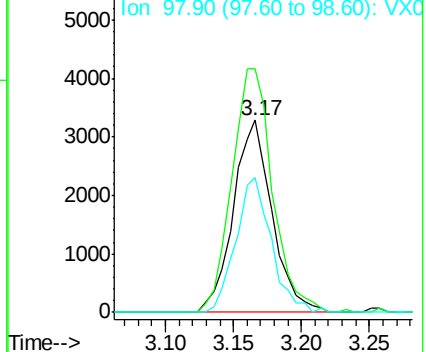
96 100

61 126.7 117.0 175.4

98 70.4 52.4 78.6



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: 2.10 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion: 45 Resp: 21729

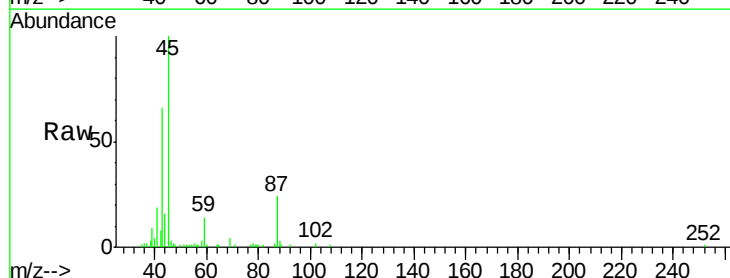
Ion Ratio Lower Upper

45 100

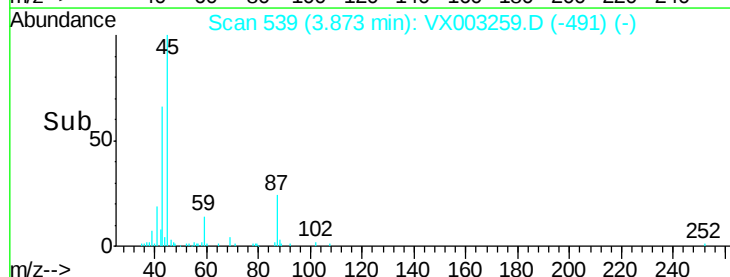
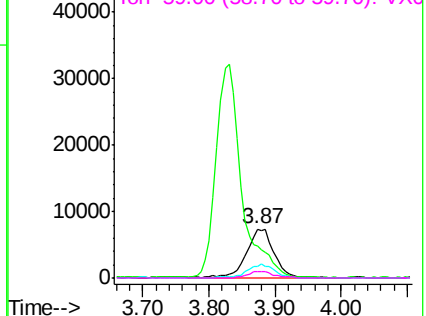
43 64.8 46.8 70.2

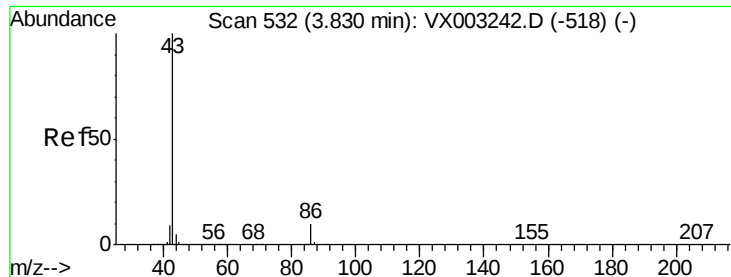
87 24.1 20.2 30.4

59 13.8 8.7 13.1#



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: 9.79 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

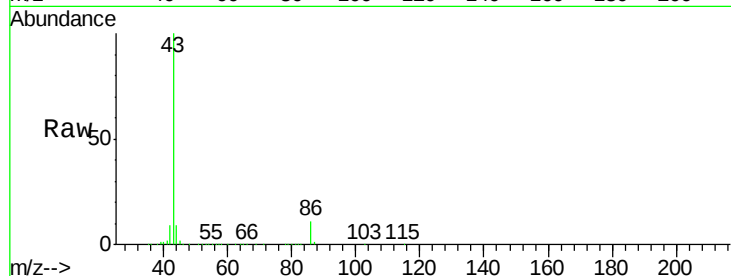
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 86014

Ion Ratio Lower Upper

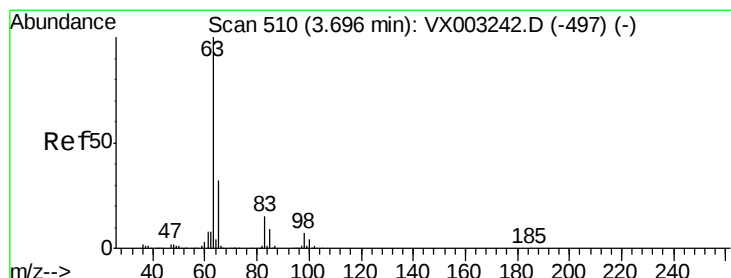
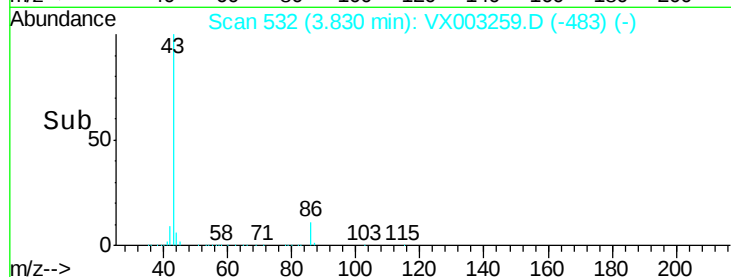
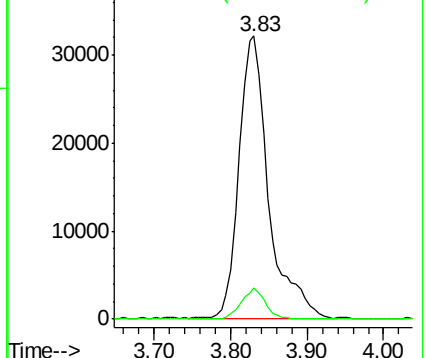
43 100

86 10.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.17 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

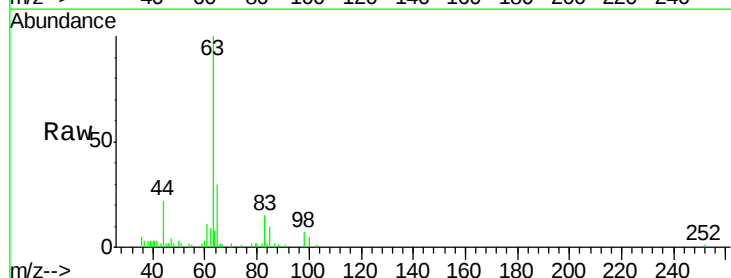
Tgt Ion: 63 Resp: 11709

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

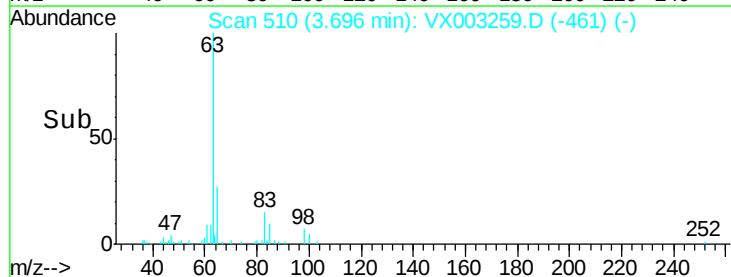
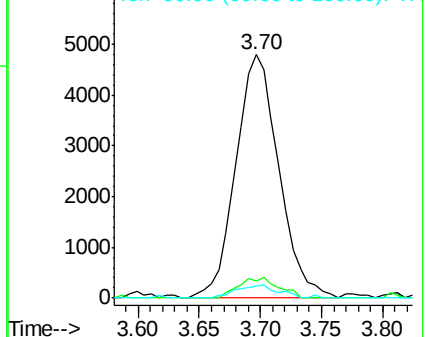
100 5.0 2.0 6.0

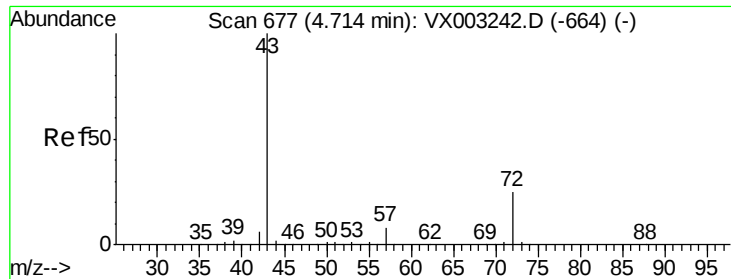


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 10.73 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

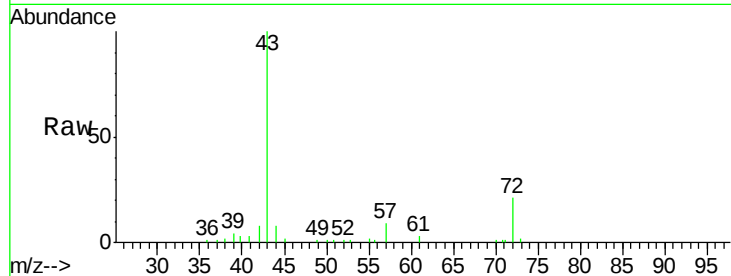
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 25912

Ion Ratio Lower Upper

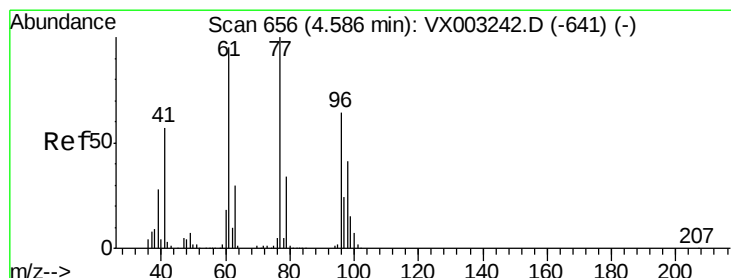
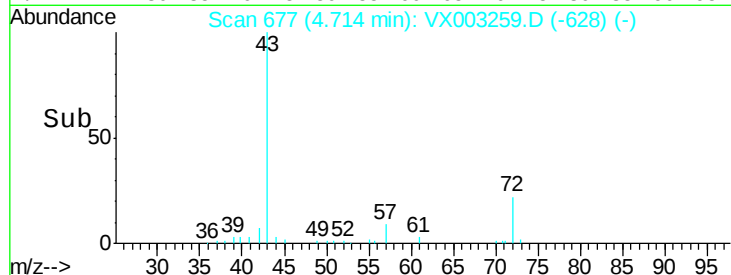
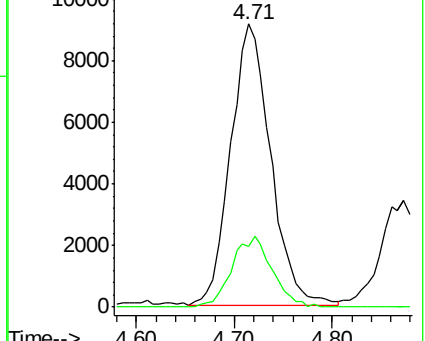
43 100

72 21.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.62 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003259.D

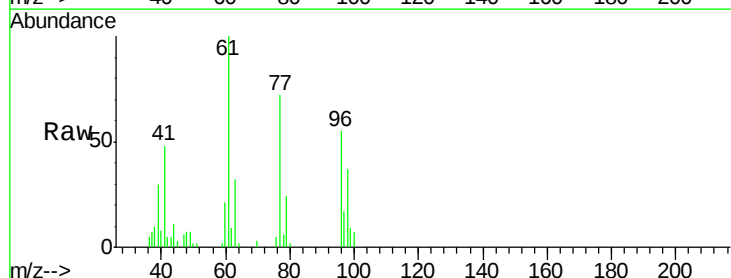
Acq: 09 Jul 2018 22:17

Tgt Ion: 77 Resp: 7640

Ion Ratio Lower Upper

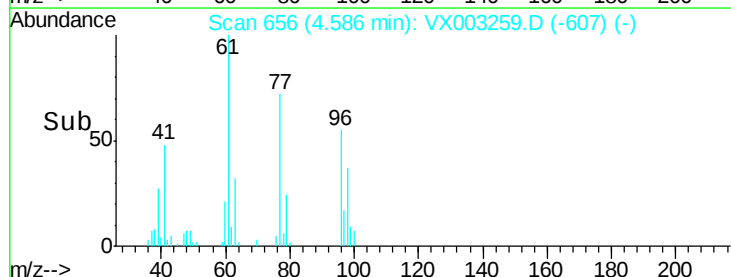
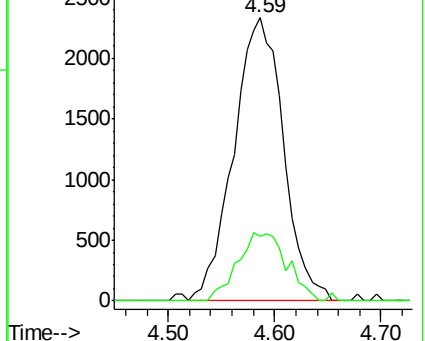
77 100

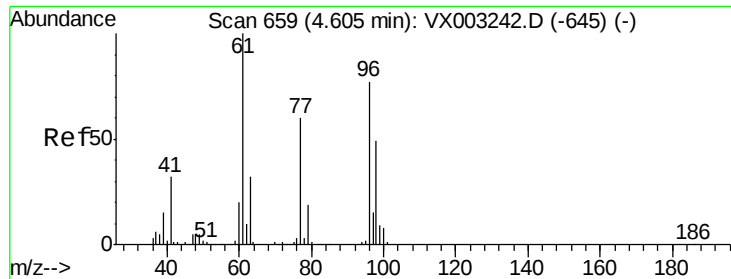
97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



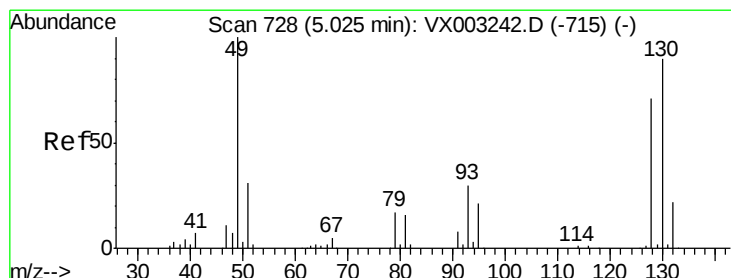
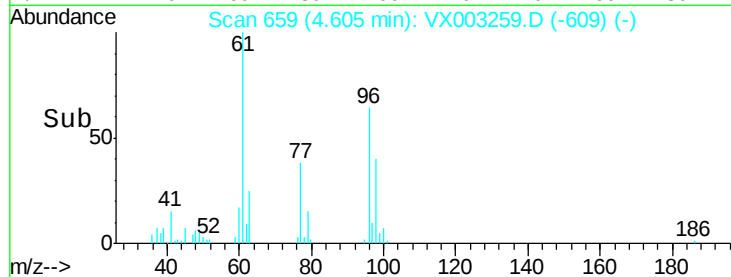
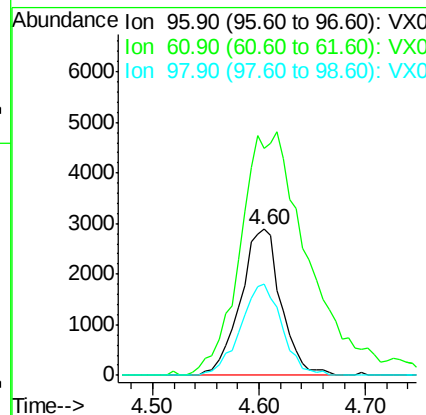
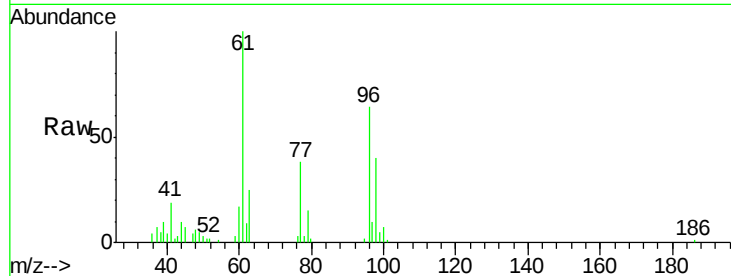


#27

cis-1,2-Dichloroethene
Concen: 2.15 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

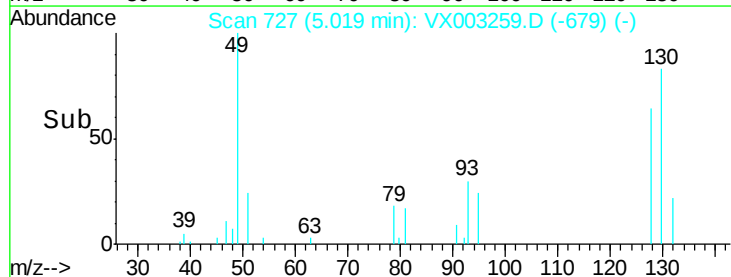
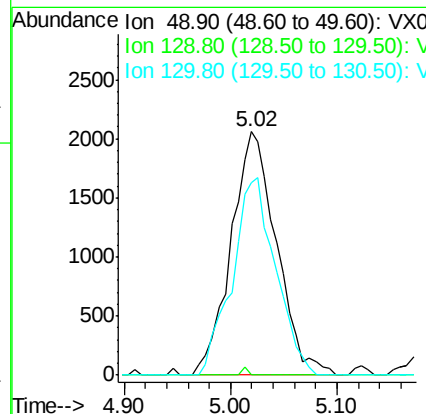
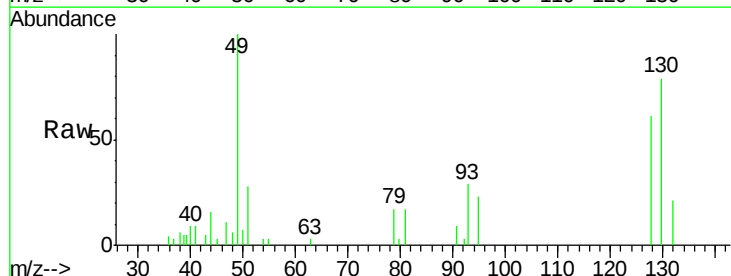
Tot Ion: 96 Resp: 7728
Ion Ratio Lower Upper
96 100
61 275.0 0.0 330.2
98 63.7 0.0 130.2

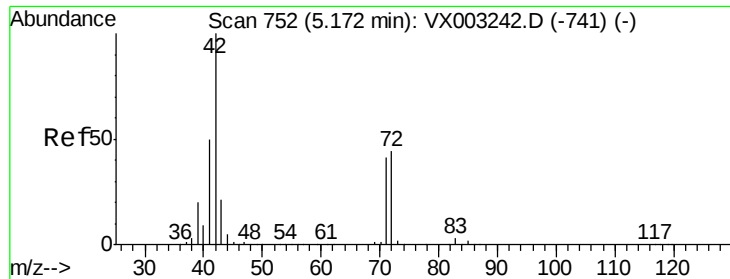


#28

Bromochloromethane
Concen: 2.26 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 49 Resp: 6130
Ion Ratio Lower Upper
49 100
129 0.4 0.0 4.2
130 77.8 61.2 91.8

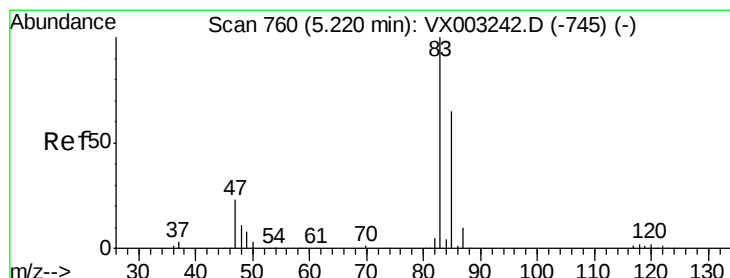
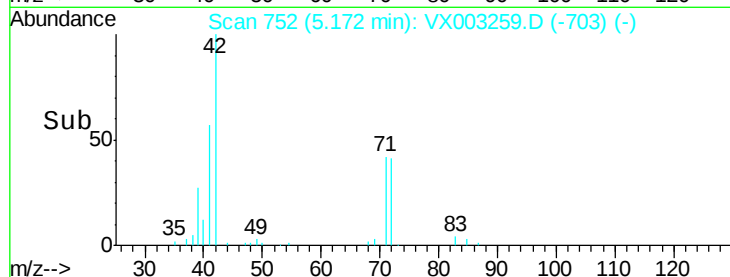
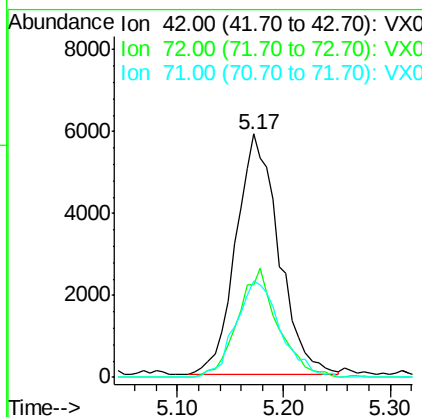
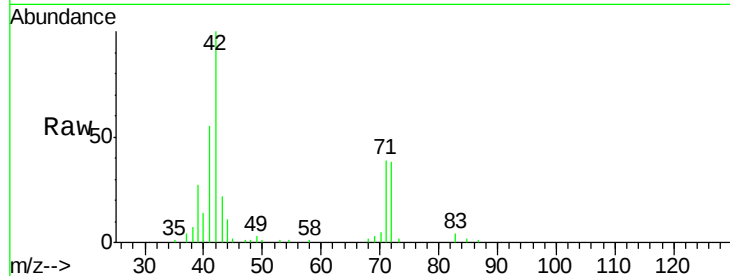




#29
Tetrahydrofuran
Concen: 10.54 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

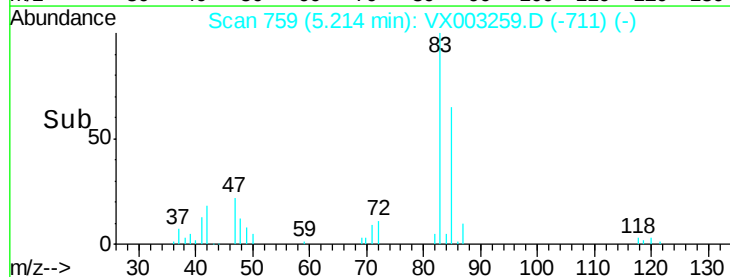
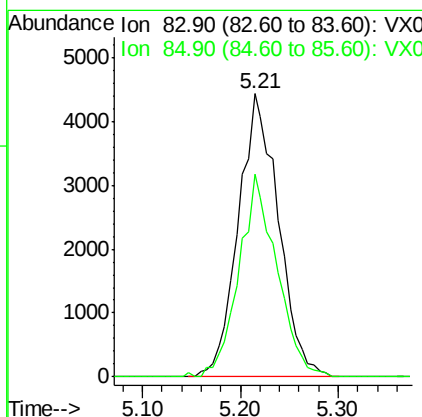
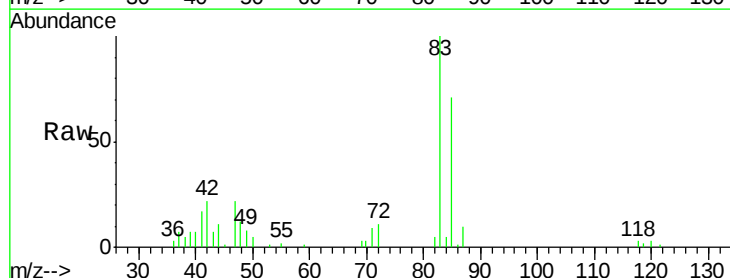
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

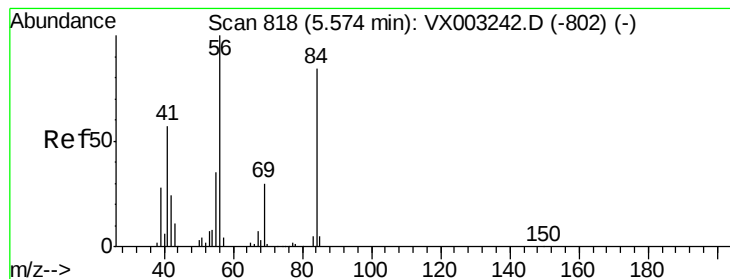
Tot Ion: 42 Resp: 16513
Ion Ratio Lower Upper
42 100
72 42.7 32.0 48.0
71 42.2 30.1 45.1



#30
Chloroform
Concen: 2.13 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 83 Resp: 12612
Ion Ratio Lower Upper
83 100
85 71.4 50.4 75.6





#31

Cyclohexane

Concen: 2.05 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

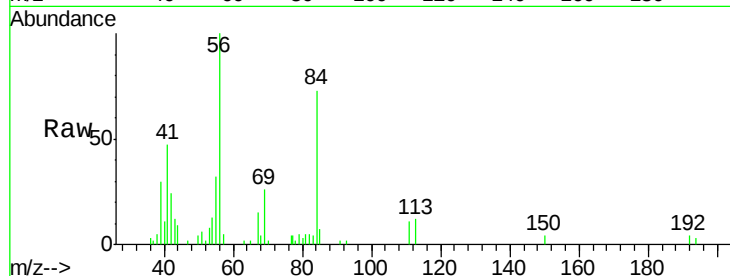
Tot Ion: 56 Resp: 10317

Ion Ratio Lower Upper

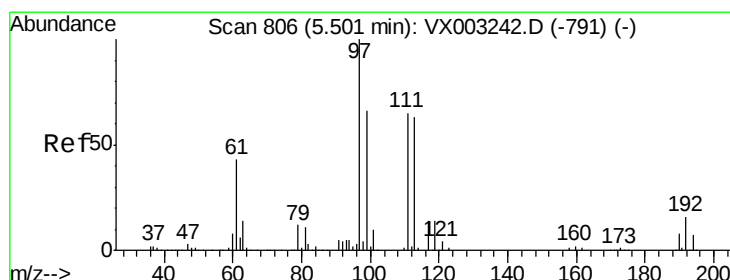
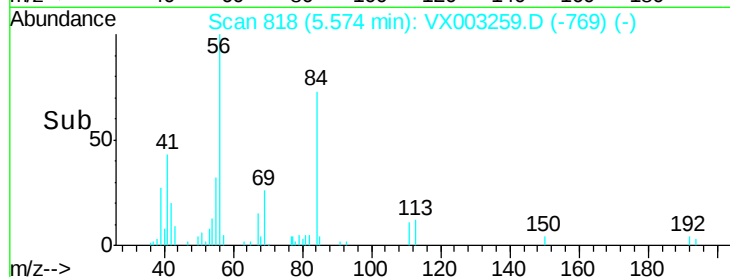
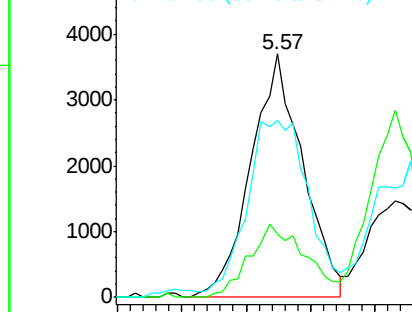
56 100

69 25.7 23.7 35.5

84 69.9 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 2.10 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

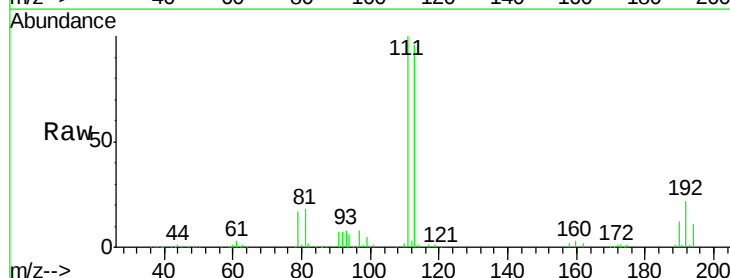
Tgt Ion: 97 Resp: 10976

Ion Ratio Lower Upper

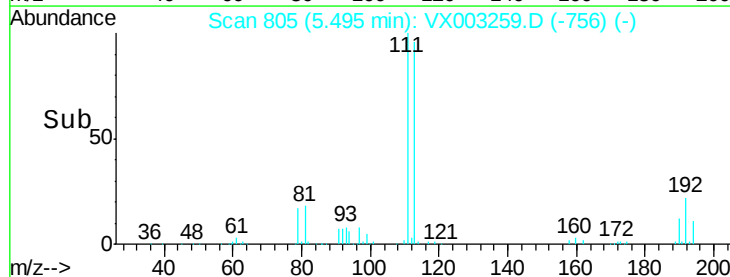
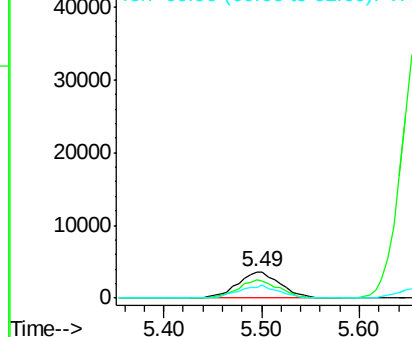
97 100

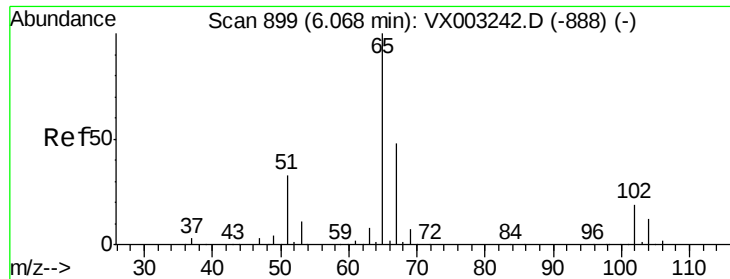
99 65.4 51.6 77.4

61 46.1 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

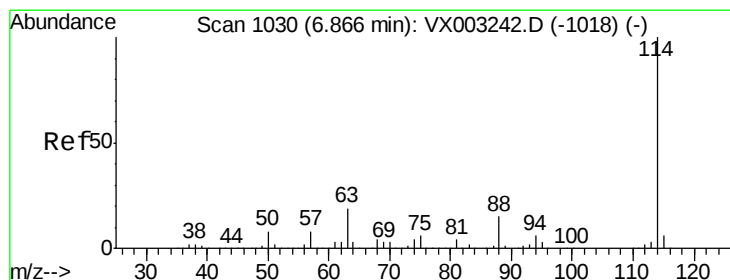
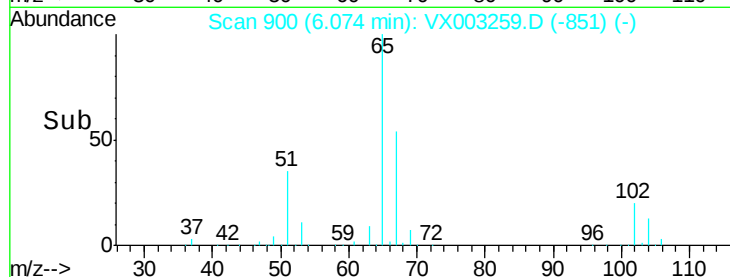
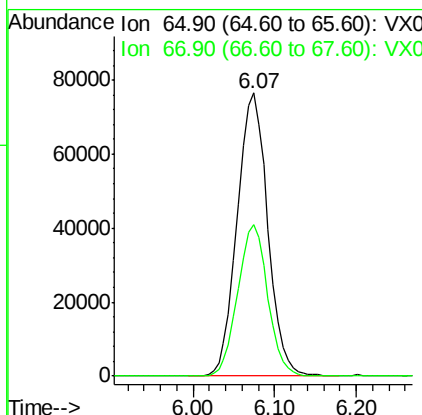
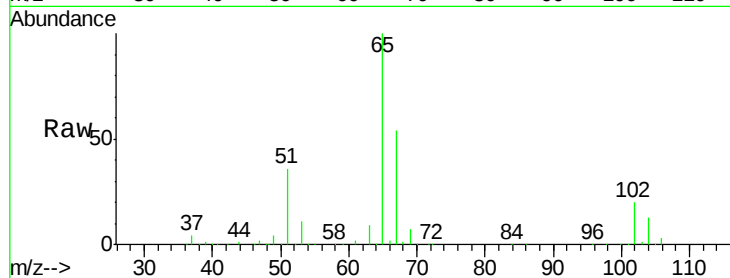




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

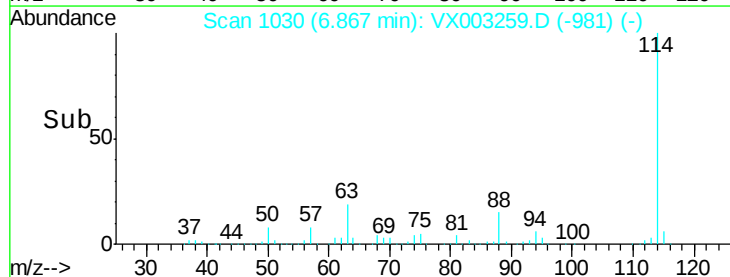
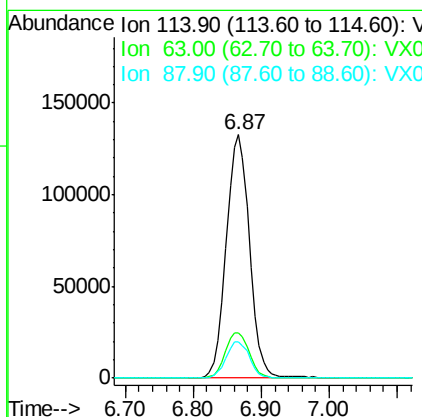
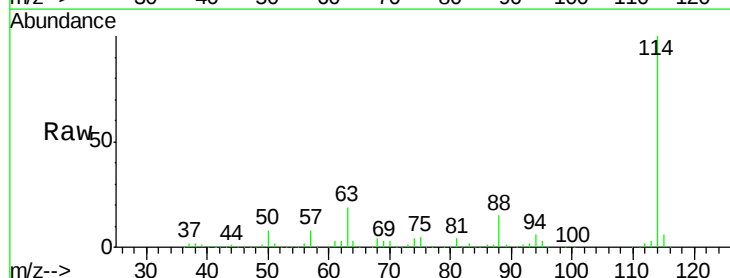
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

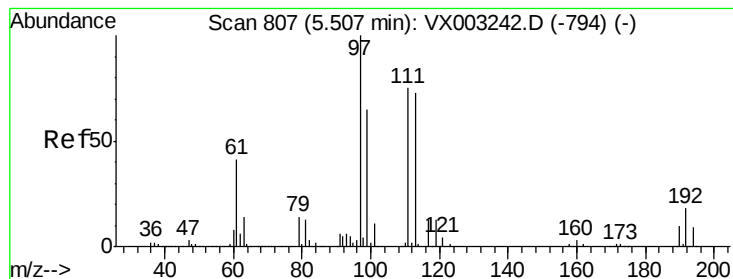
Tot Ion: 65 Resp: 198781
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 114 Resp: 314494
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.78 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

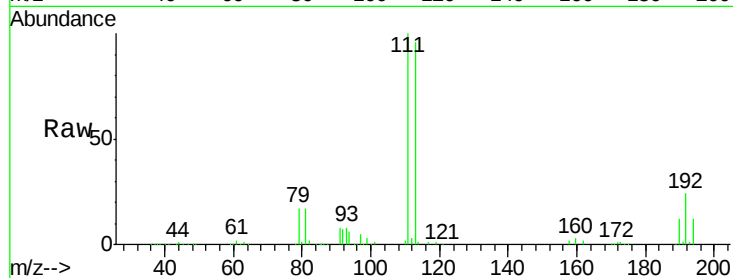
Tot Ion:113 Resp: 164818

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

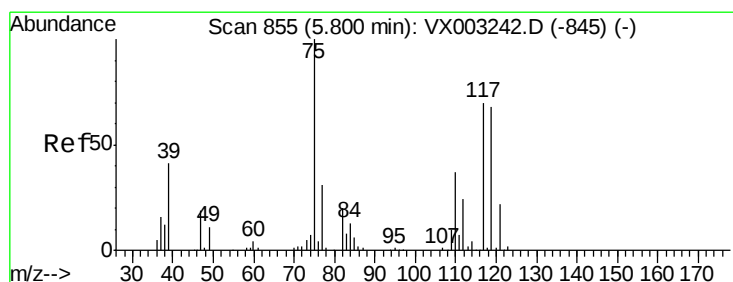
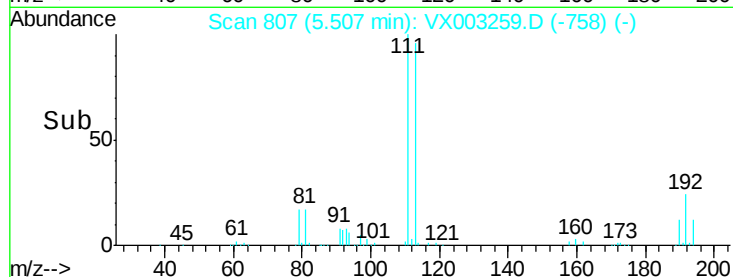
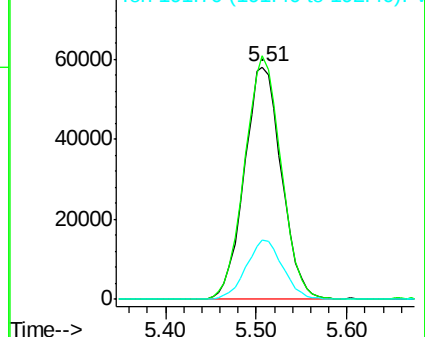
192 25.2 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.09 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

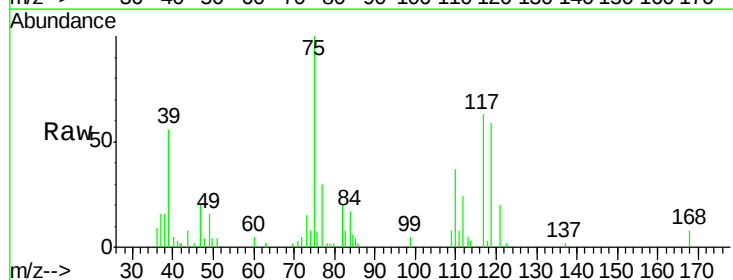
Tgt Ion: 75 Resp: 9317

Ion Ratio Lower Upper

75 100

110 38.7 18.1 54.4

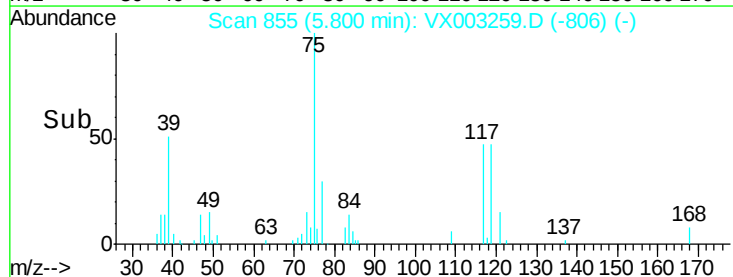
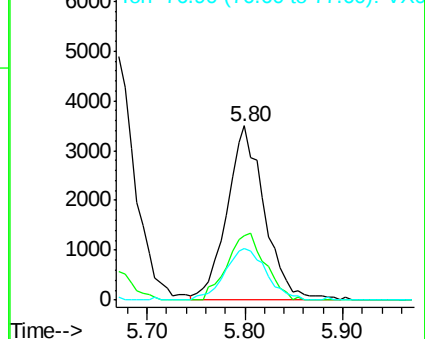
77 32.5 24.3 36.5

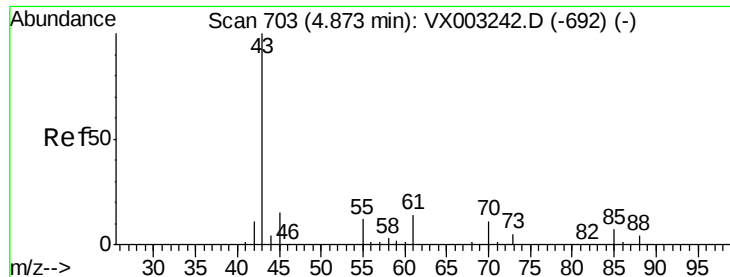


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

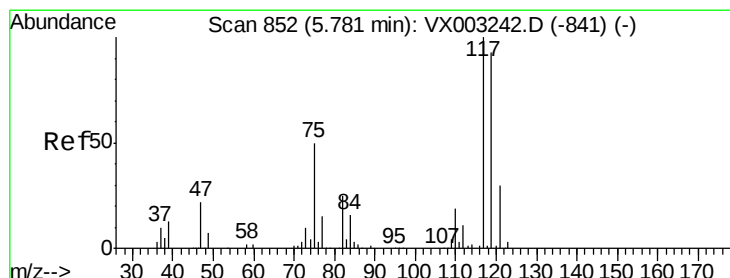
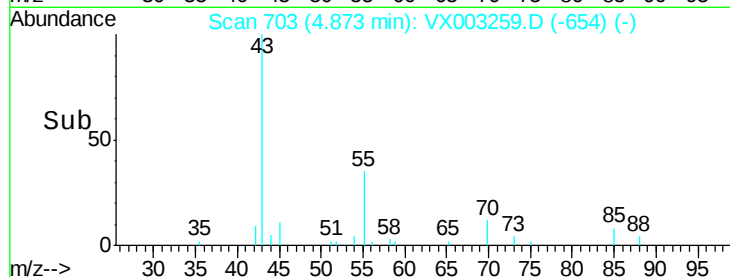
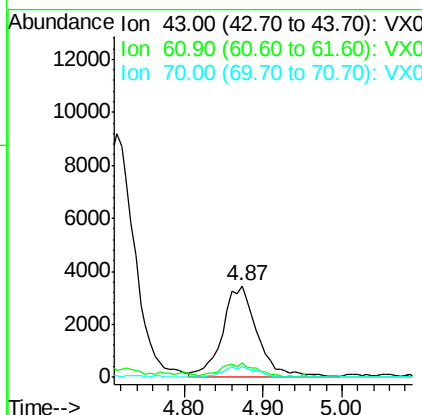
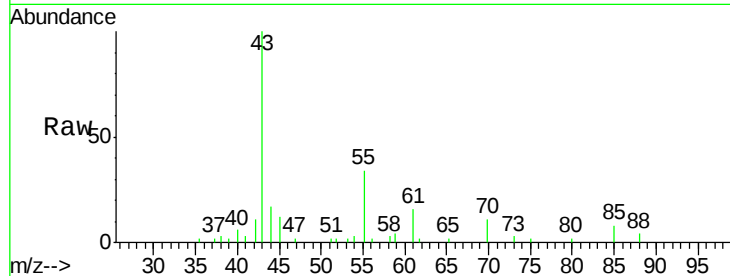




#37
Ethyl Acetate
Concen: 2.19 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

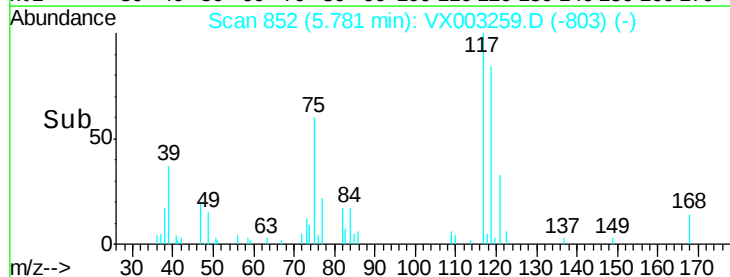
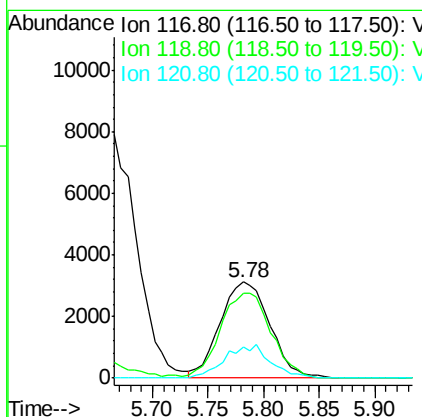
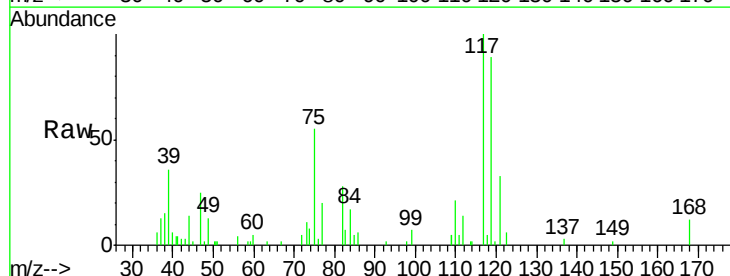
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

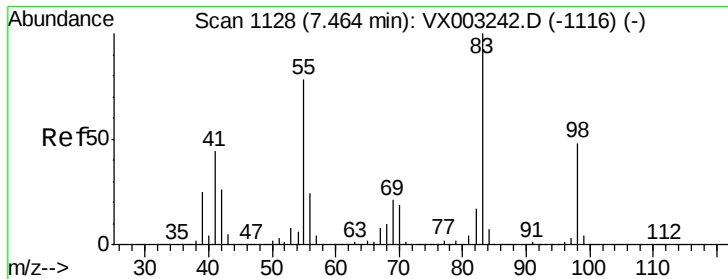
Tot Ion: 43 Resp: 10667
Ion Ratio Lower Upper
43 100
61 6.4 10.4 15.6#
70 5.1 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 1.99 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 117 Resp: 9691
Ion Ratio Lower Upper
117 100
119 88.8 77.4 116.0
121 32.6 24.4 36.6

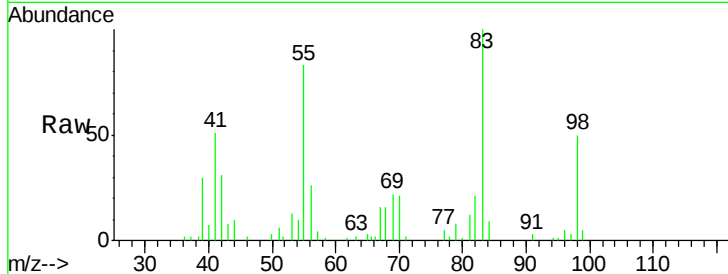




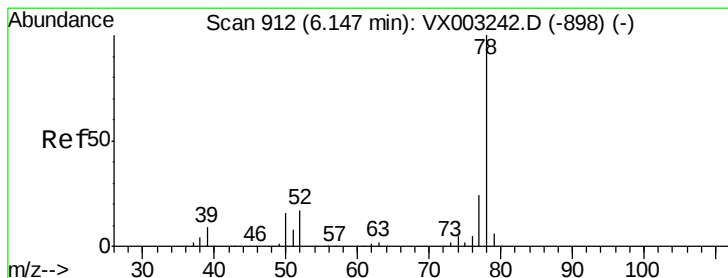
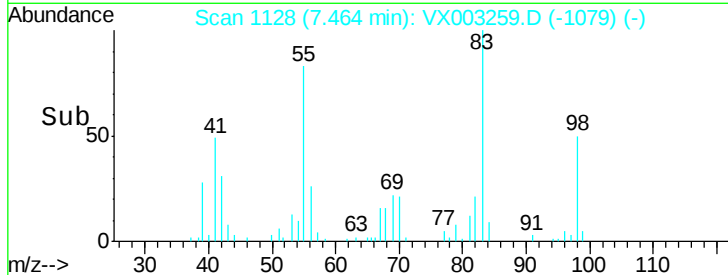
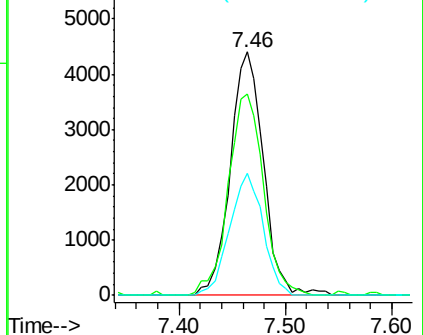
#39
Methylvlcyclohexane
Concen: 1.83 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 83 Resp: 9603
Ion Ratio Lower Upper
83 100
55 83.0 65.4 98.0
98 50.1 37.4 56.0

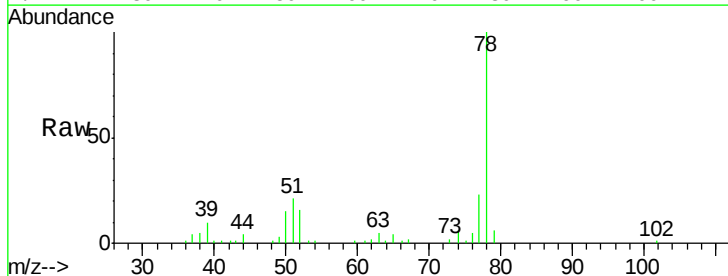


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

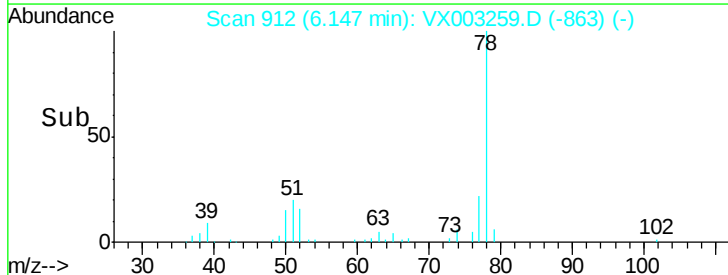
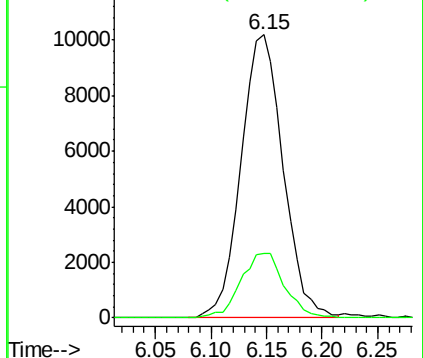


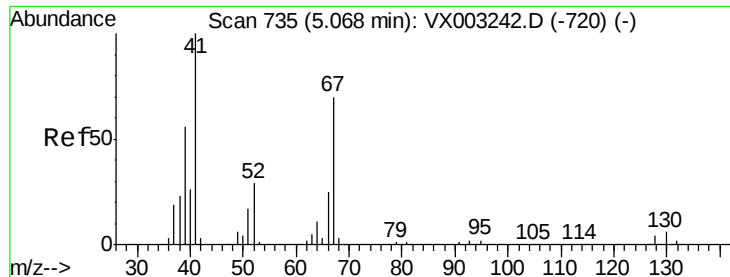
#40
Benzene
Concen: 2.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 78 Resp: 26794
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7



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

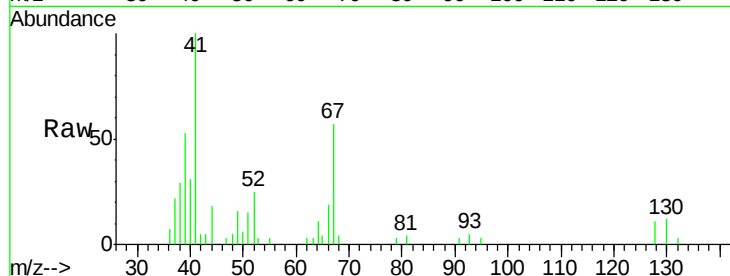




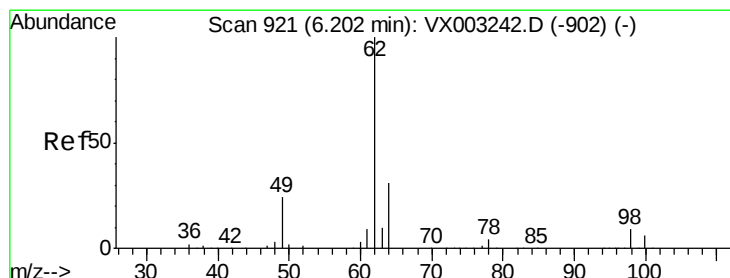
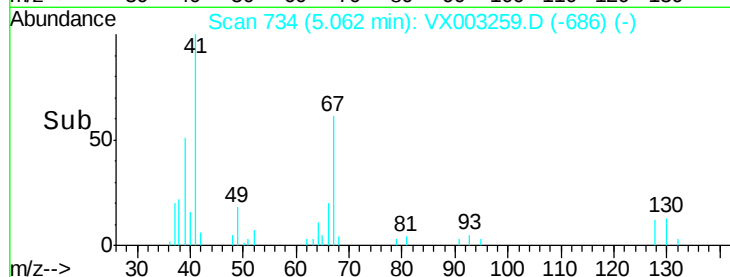
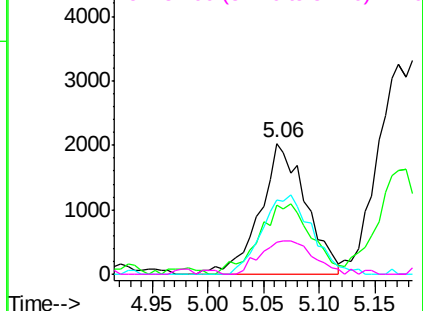
#41
Methacrylonitrile
Concen: 2.18 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion:	41	Resp:	5833
Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.8	68.6
67	65.5	51.3	76.9
52	29.1	23.0	34.6

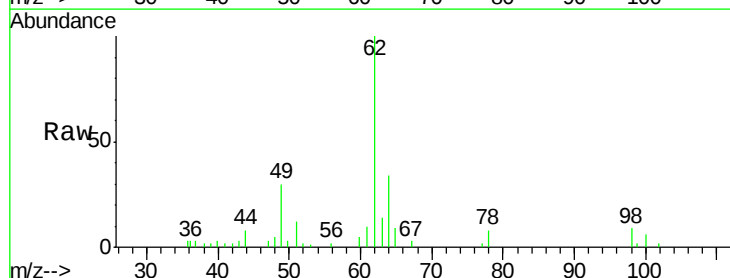


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

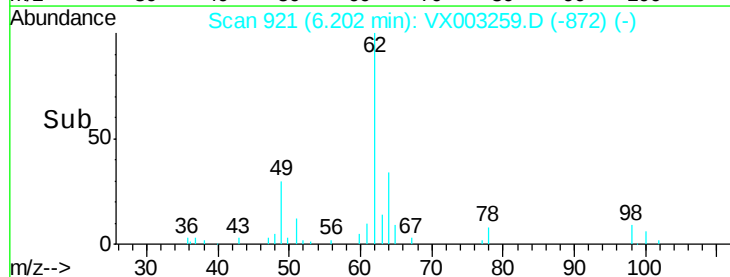
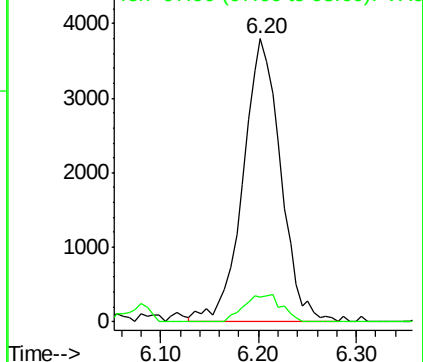


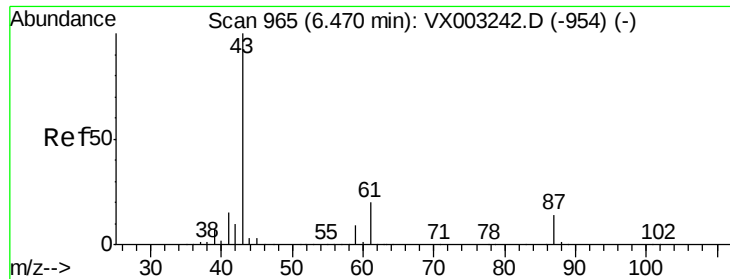
#42
1,2-Dichloroethane
Concen: 2.06 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:	62	Resp:	10131
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 2.03 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

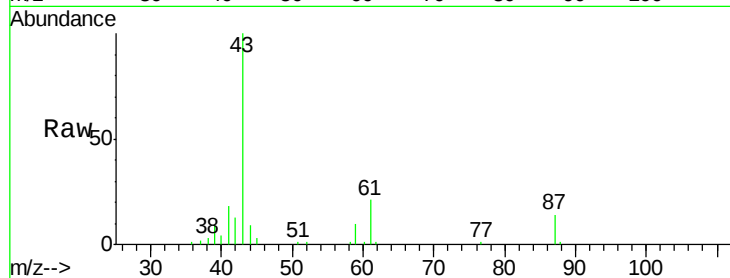
Tot Ion: 43 Resp: 15566

Ion Ratio Lower Upper

43 100

61 19.7 14.4 21.6

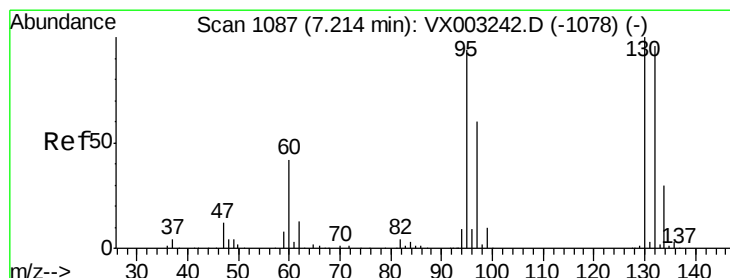
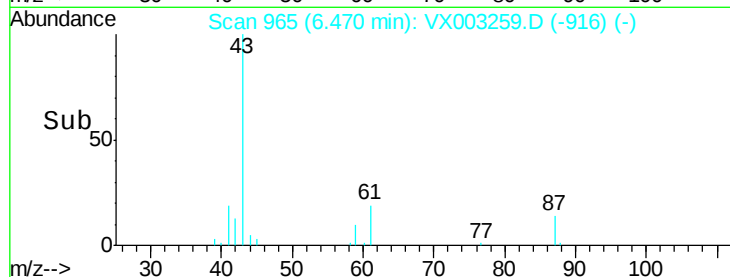
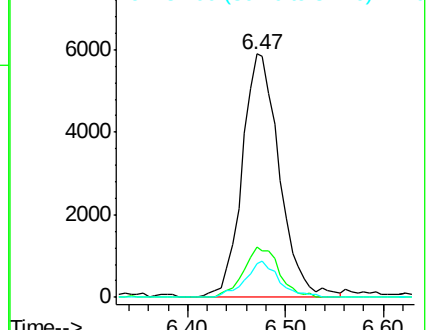
87 13.4 9.5 14.3



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: 2.07 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003259.D

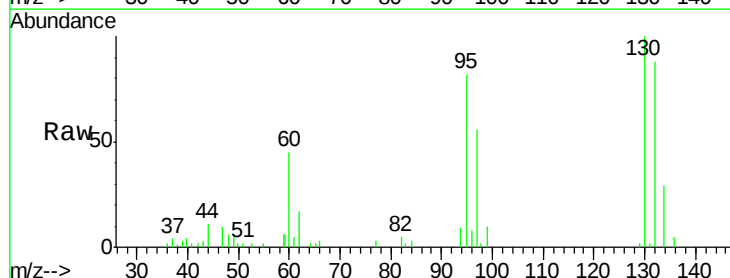
Acq: 09 Jul 2018 22:17

Tgt Ion:130 Resp: 8061

Ion Ratio Lower Upper

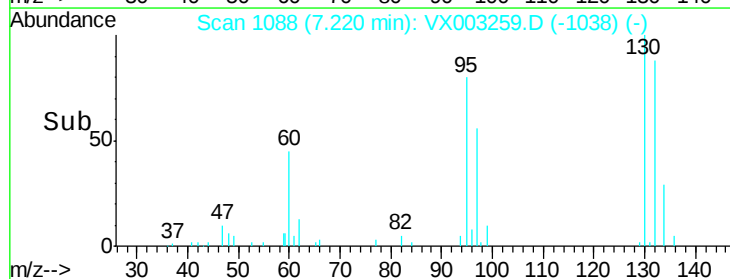
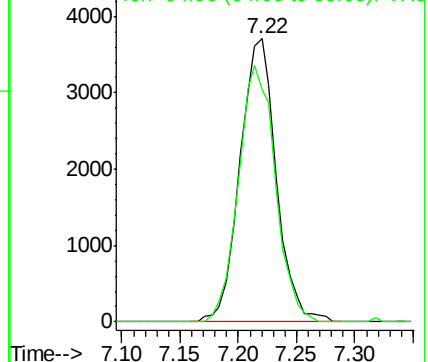
130 100

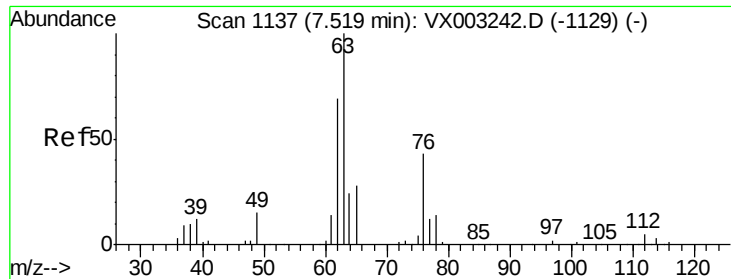
95 82.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 2.00 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

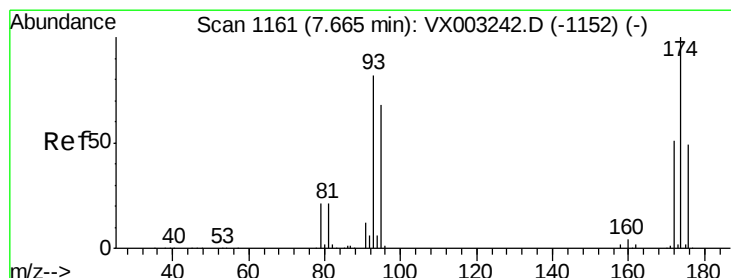
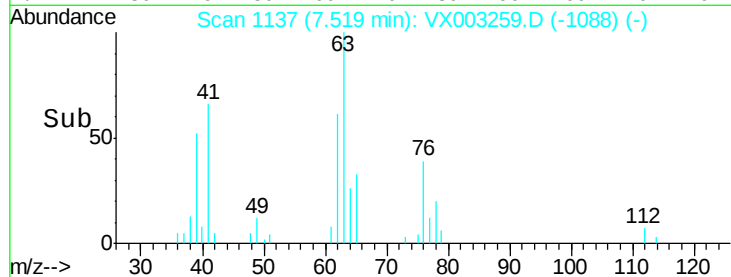
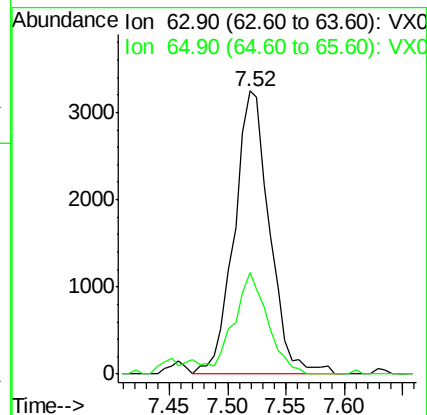
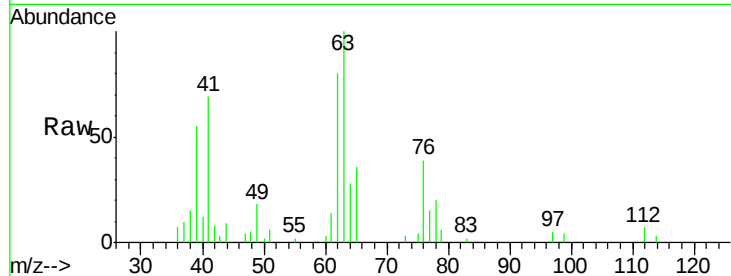
LOQ-WATER-02-QT3-2018

Tot Ion: 63 Resp: 6865

Ion Ratio Lower Upper

63 100

65 35.7 24.7 37.1



#46

Dibromomethane

Concen: 2.11 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

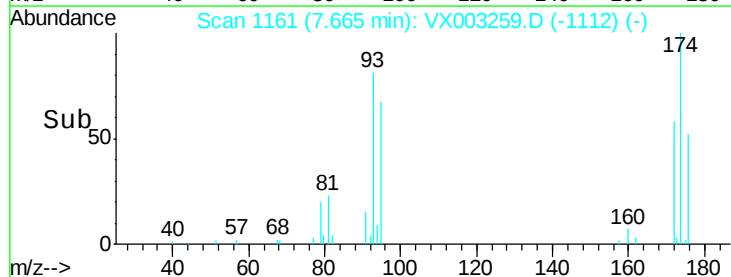
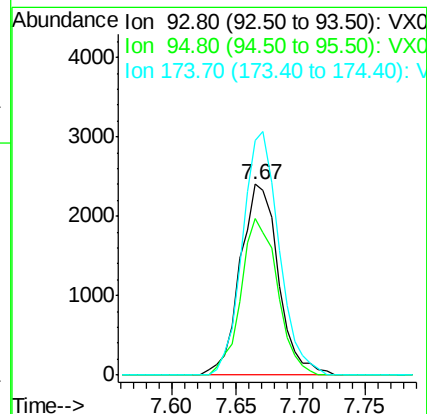
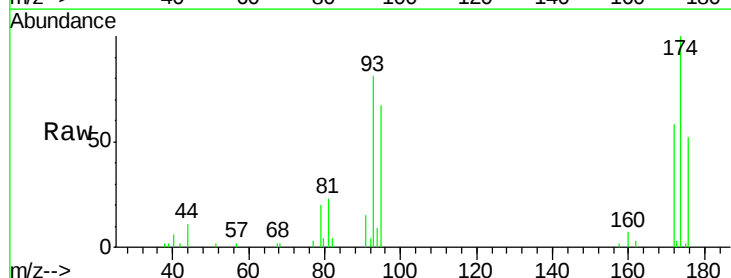
Tgt Ion: 93 Resp: 4936

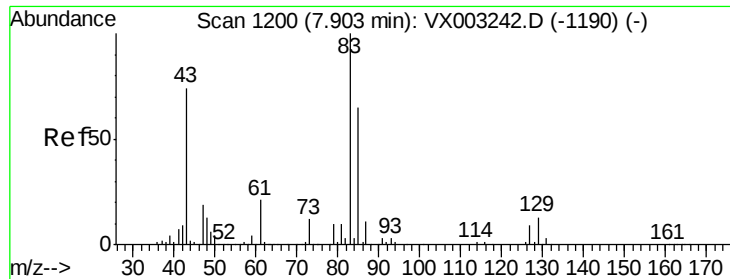
Ion Ratio Lower Upper

93 100

95 78.2 65.9 98.9

174 121.5 92.4 138.6





#47

Bromodichloromethane

Concen: 1.92 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

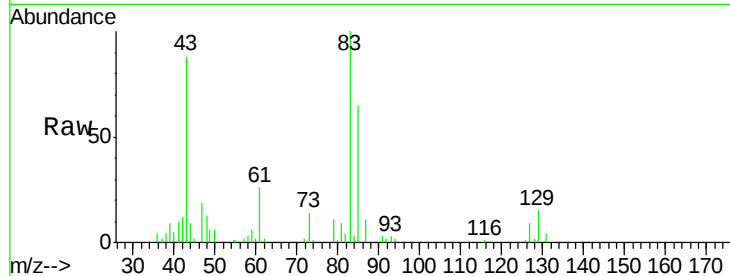
Tot Ion: 83 Resp: 8269

Ion Ratio Lower Upper

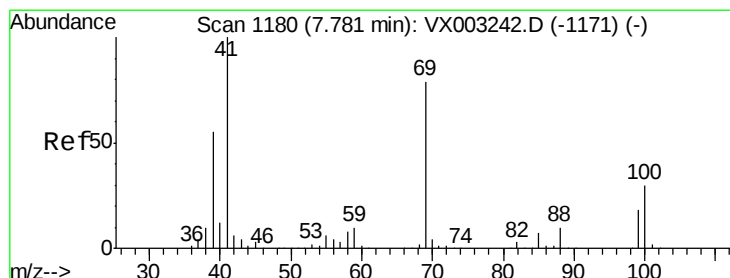
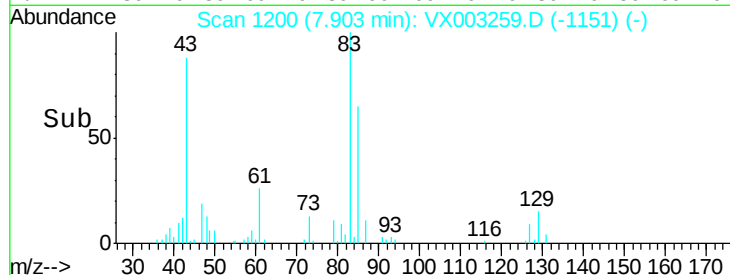
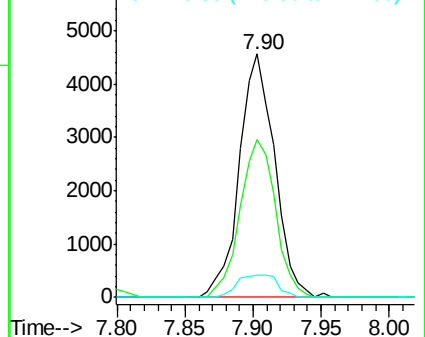
83 100

85 65.0 50.3 75.5

127 9.2 7.0 10.4



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: 1.83 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

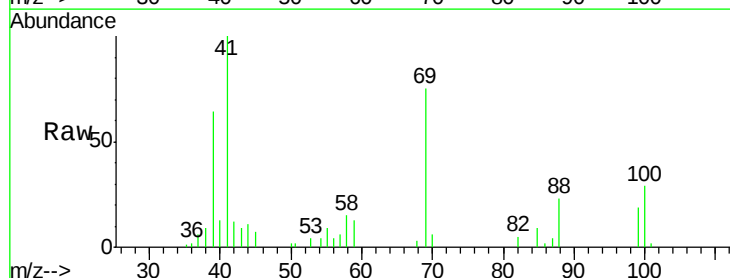
Tgt Ion: 41 Resp: 7181

Ion Ratio Lower Upper

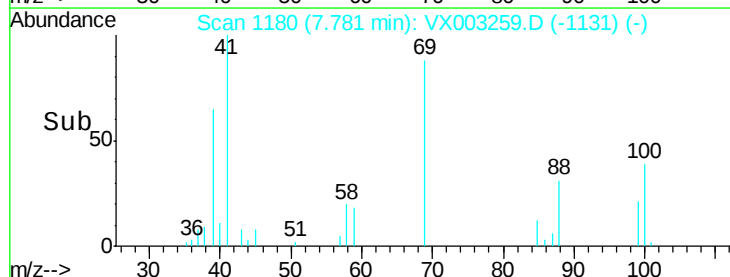
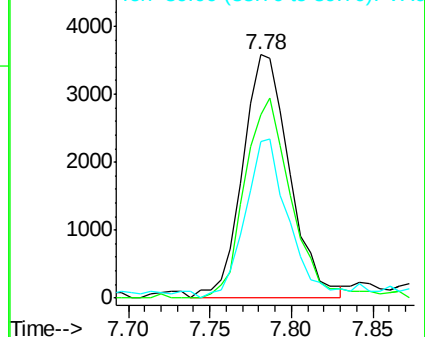
41 100

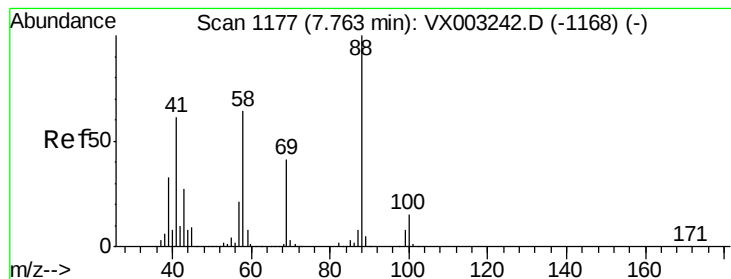
69 82.5 59.1 88.7

39 60.7 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 40.13 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

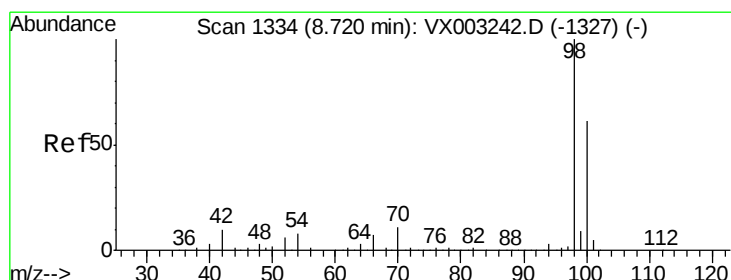
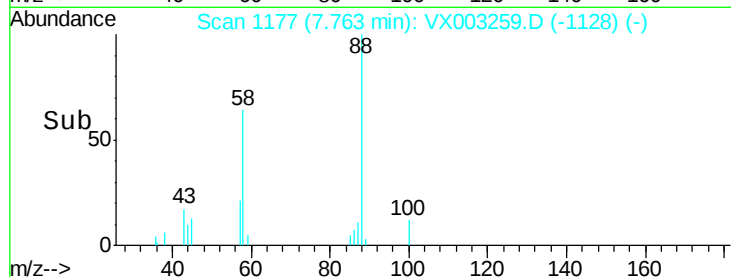
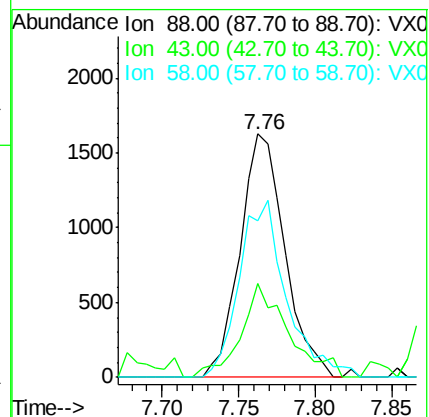
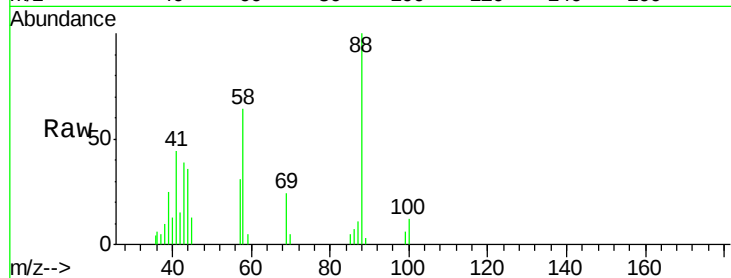
Tot Ion: 88 Resp: 3298

Ion Ratio Lower Upper

88 100

43 40.6 29.8 44.6

58 76.8 57.1 85.7



#50

Toluene-d8

Concen: 49.96 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003259.D

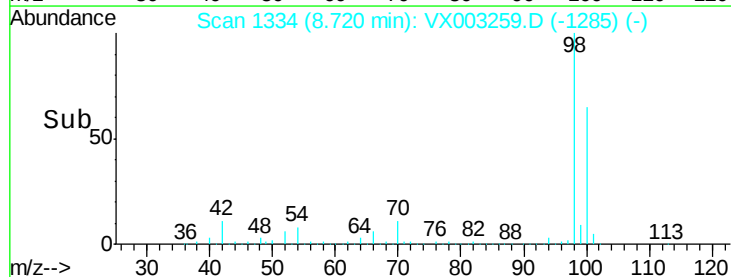
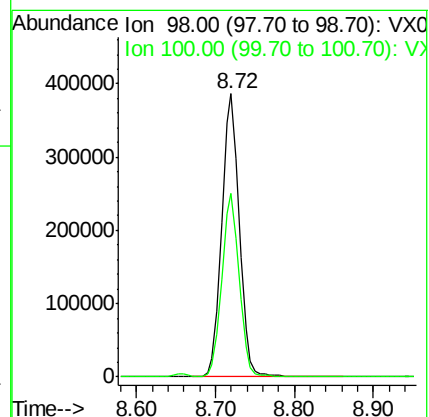
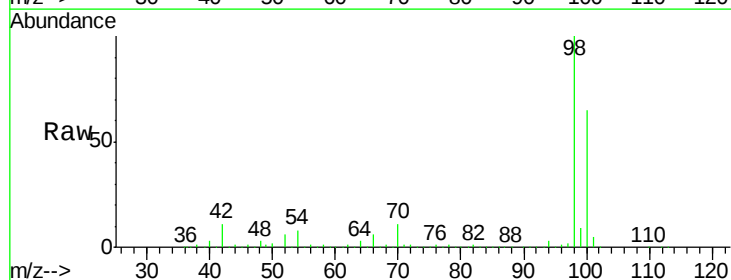
Acq: 09 Jul 2018 22:17

Tgt Ion: 98 Resp: 599552

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 9.48 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

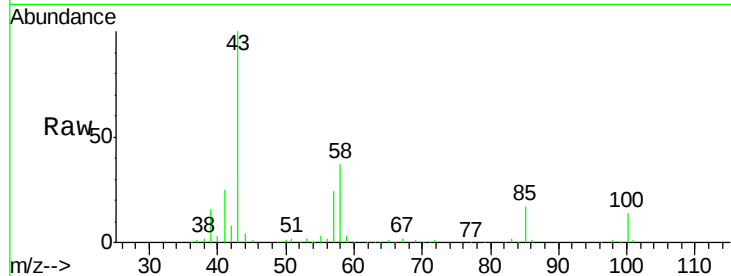
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 45248

Ion Ratio Lower Upper

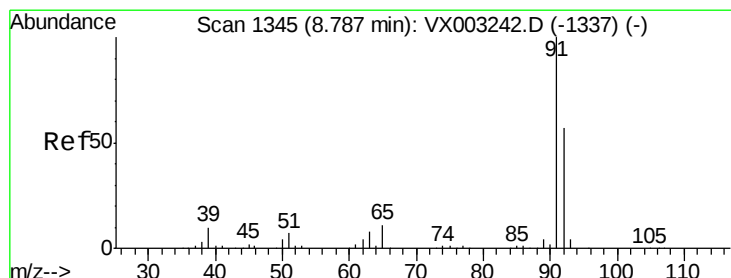
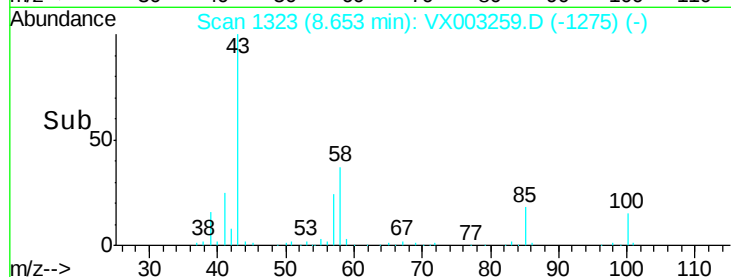
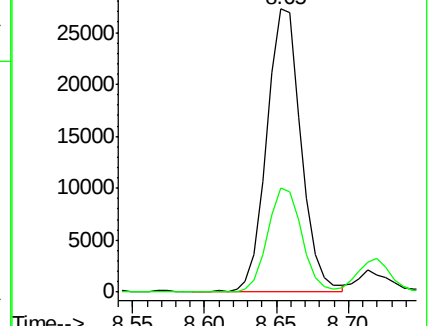
43 100

58 36.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003259.D

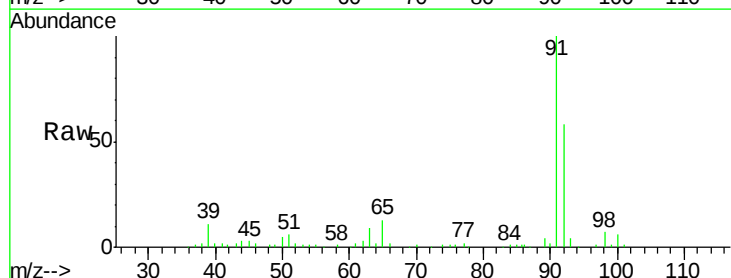
Acq: 09 Jul 2018 22:17

Tgt Ion: 92 Resp: 17176

Ion Ratio Lower Upper

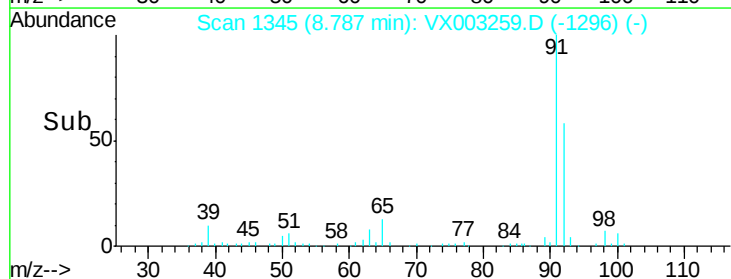
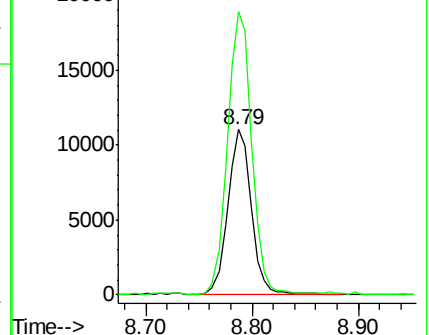
92 100

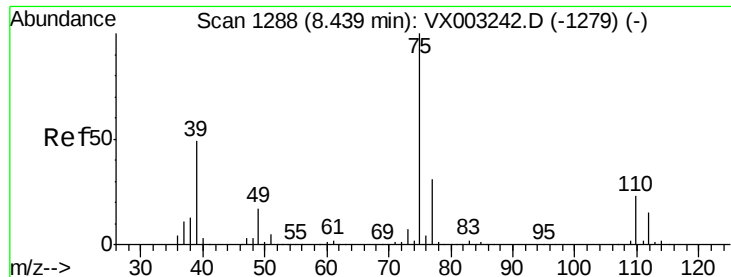
91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 1.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

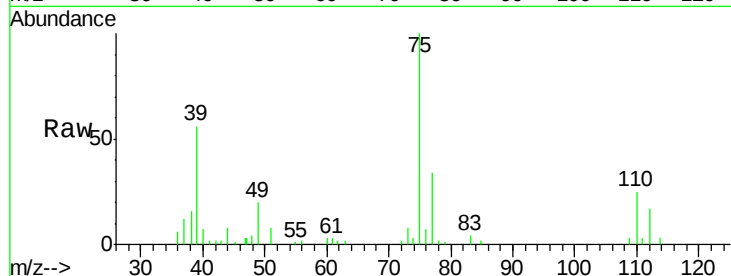
LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 8653

Ion Ratio Lower Upper

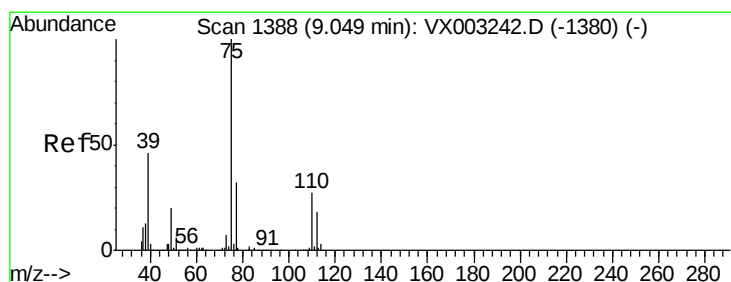
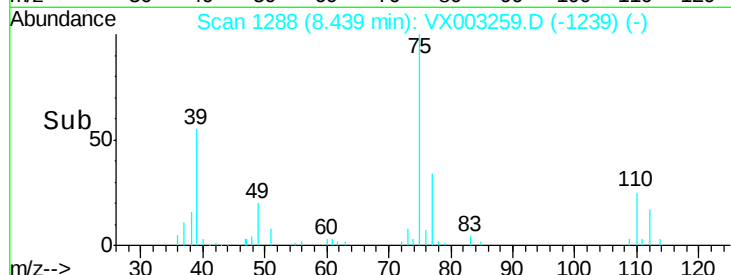
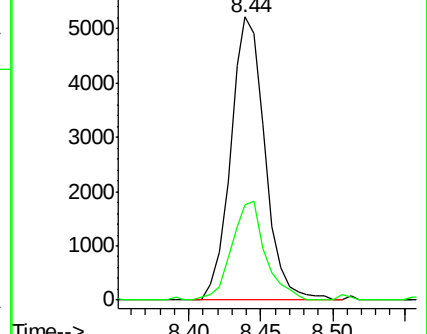
75 100

77 33.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 1.70 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

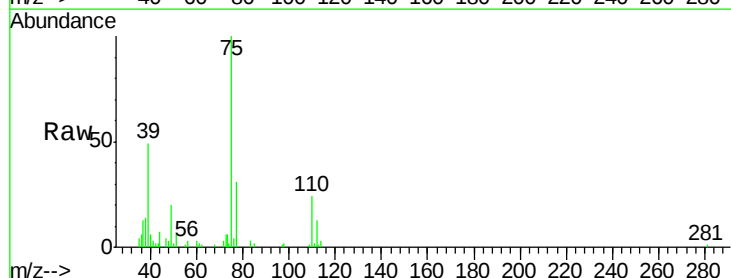
Tgt Ion: 75 Resp: 7859

Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

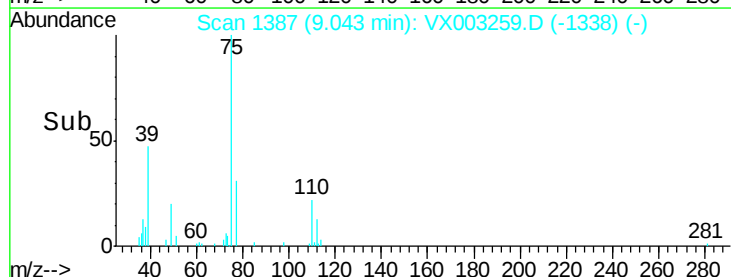
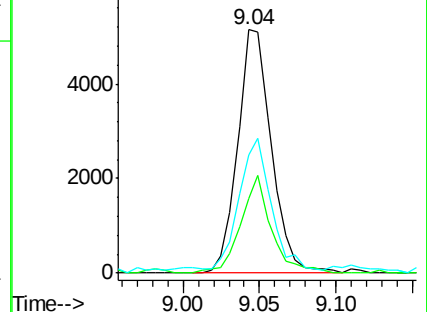
39 46.4 42.4 63.6

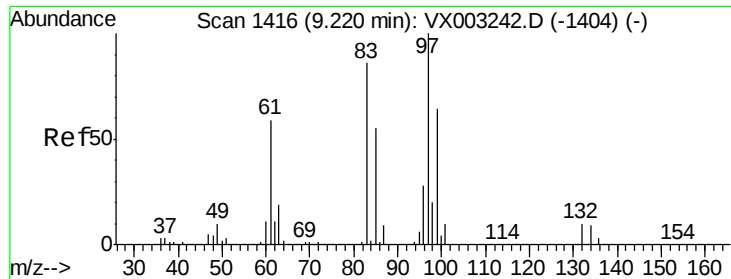


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

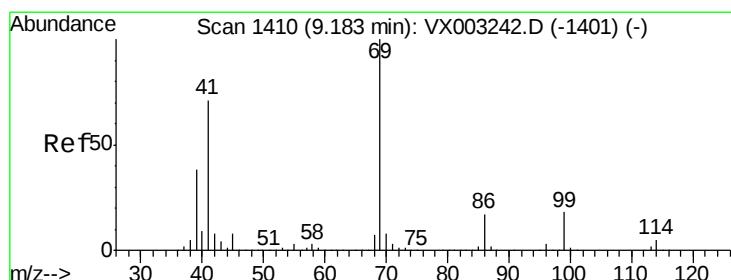
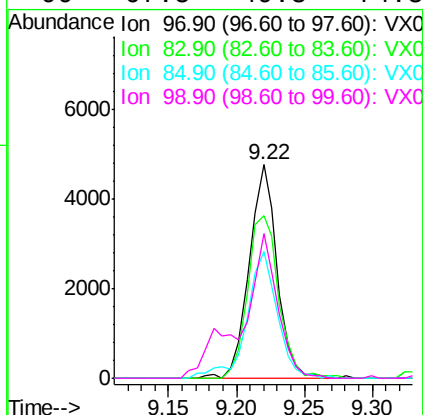
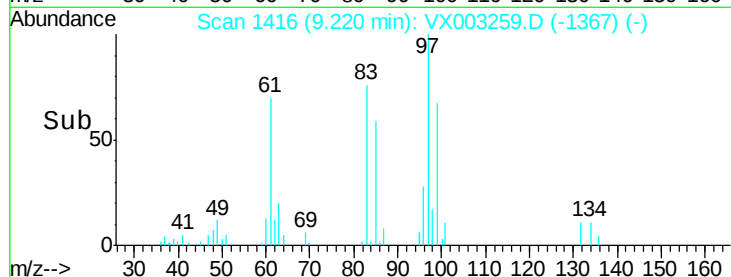
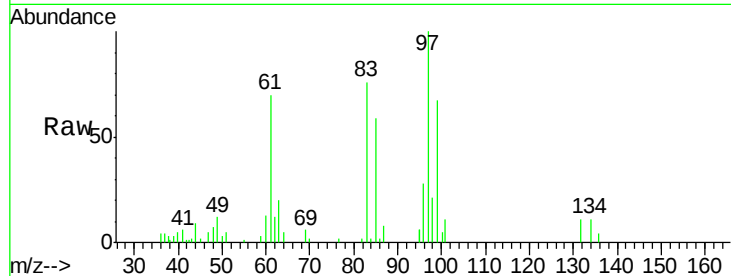




#55
 1,1,2-Trichloroethane
 Concen: 1.98 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

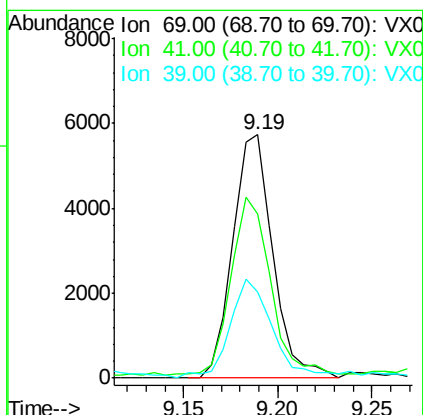
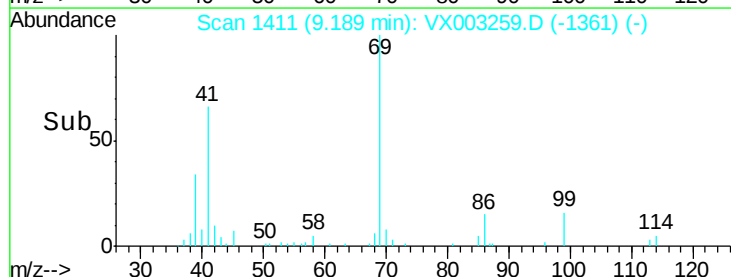
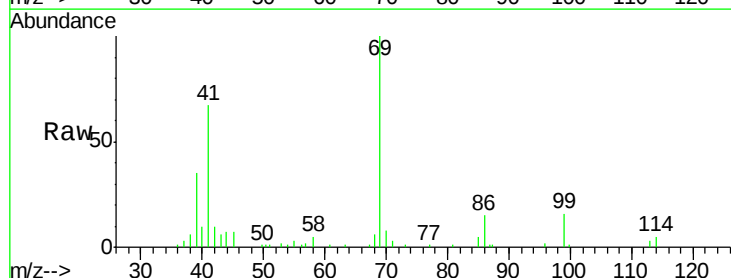
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

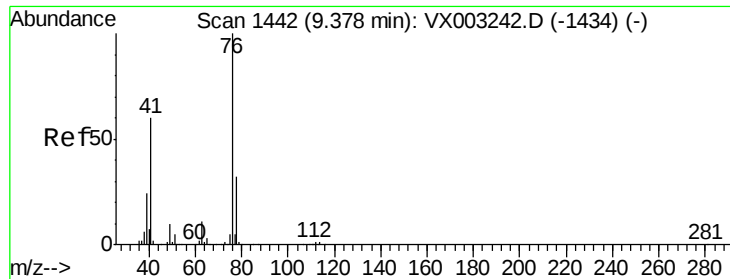
Tot Ion:	97	Resp:	6850
Ion	Ratio	Lower	Upper
97	100		
83	76.2	70.2	105.2
85	59.2	44.9	67.3
99	67.5	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 1.79 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion:	69	Resp:	8478
Ion	Ratio	Lower	Upper
69	100		
41	71.2	60.3	90.5
39	43.1	35.8	53.8

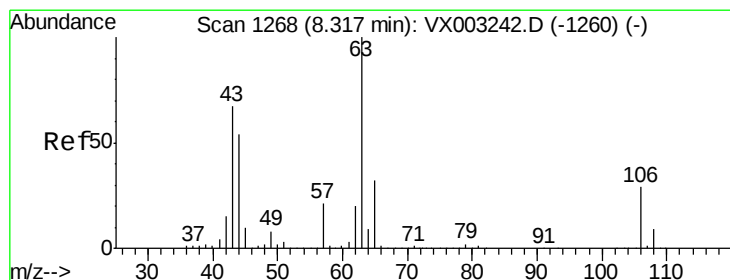
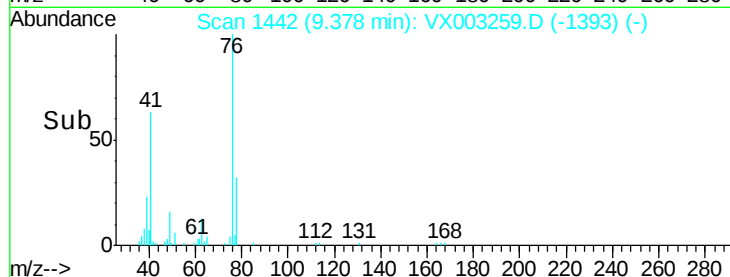
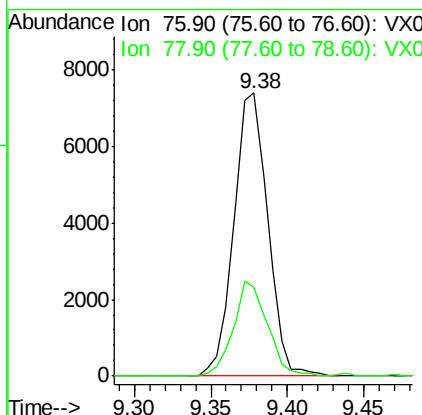
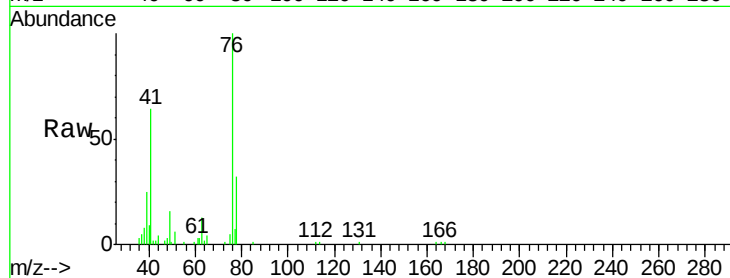




#57
 1,3-Dichloropropane
 Concen: 2.04 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

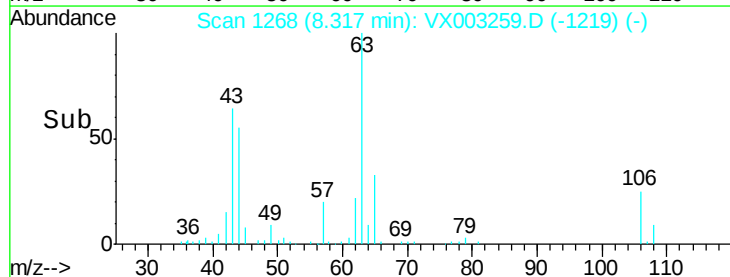
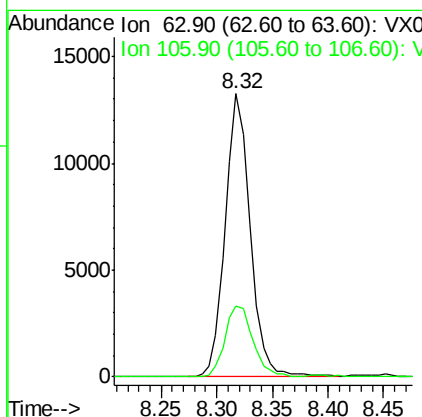
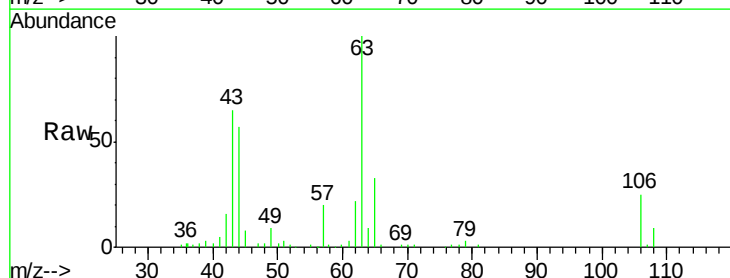
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

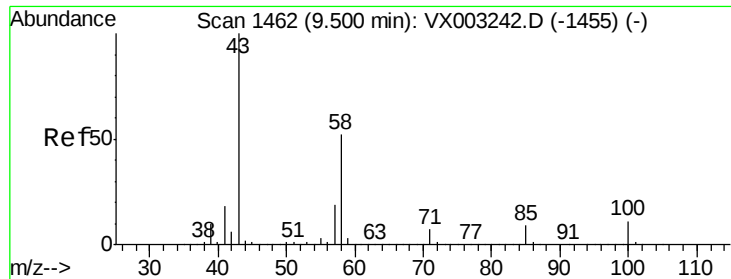
Tot Ion: 76 Resp: 11344
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 9.05 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 63 Resp: 20684
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.8 32.8

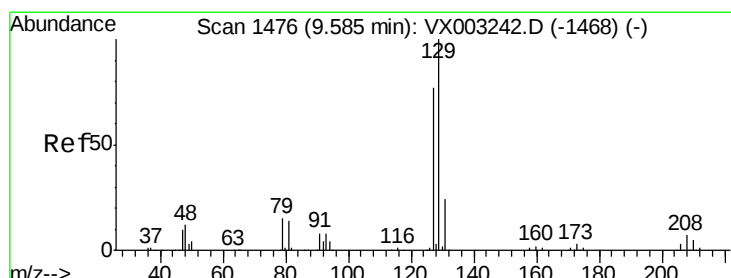
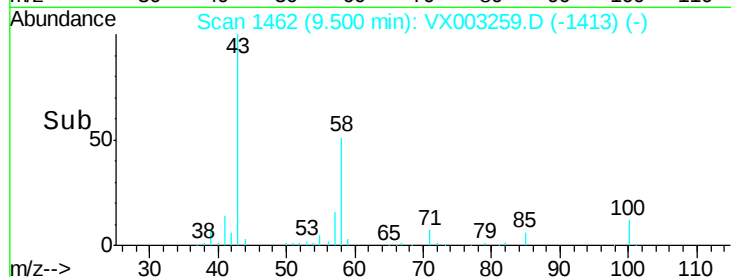
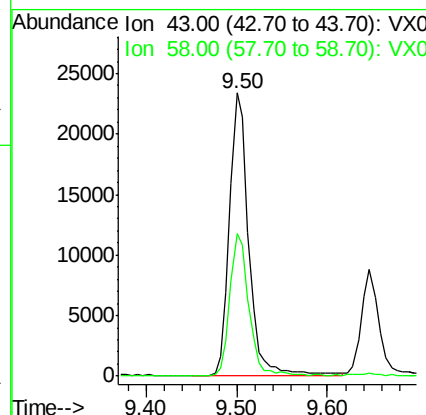
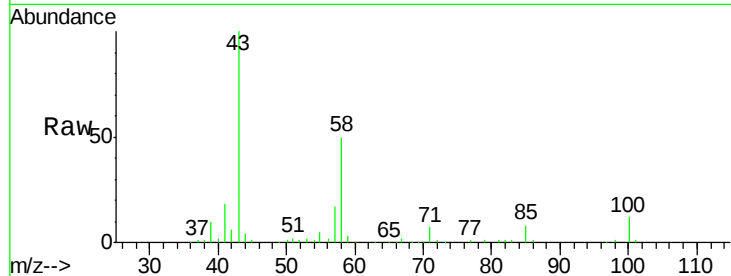




#59
2-Hexanone
Concen: 9.68 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

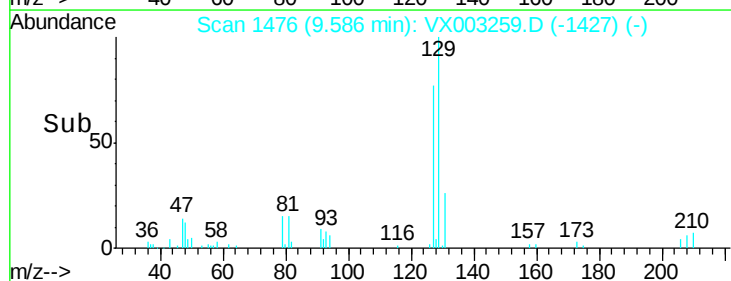
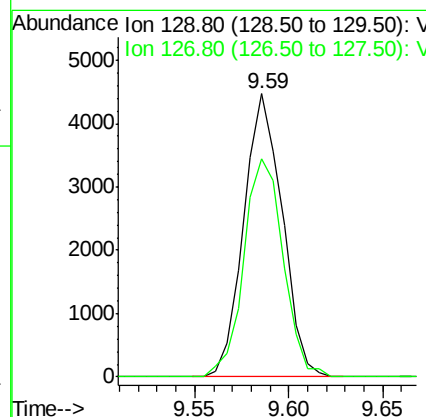
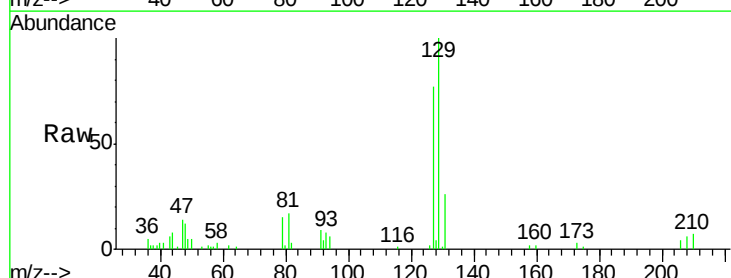
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

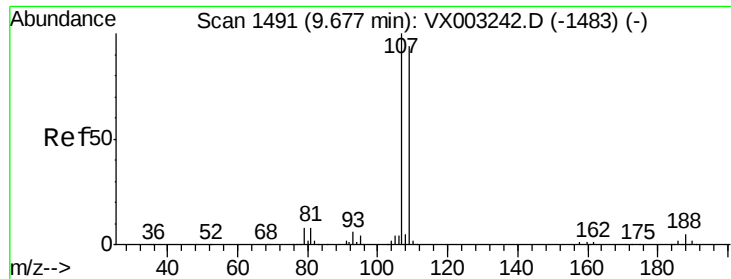
Tot Ion: 43 Resp: 35069
Ion Ratio Lower Upper
43 100
58 49.0 24.6 73.6



#60
Dibromochloromethane
Concen: 1.75 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 129 Resp: 6330
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.95 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

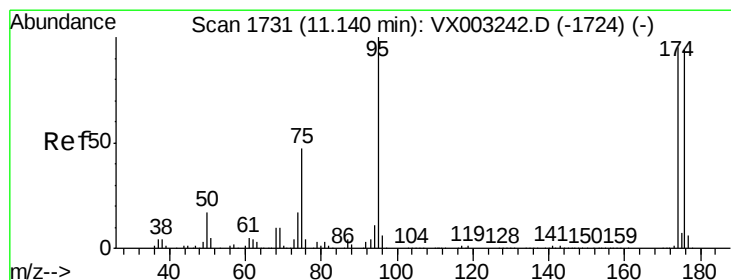
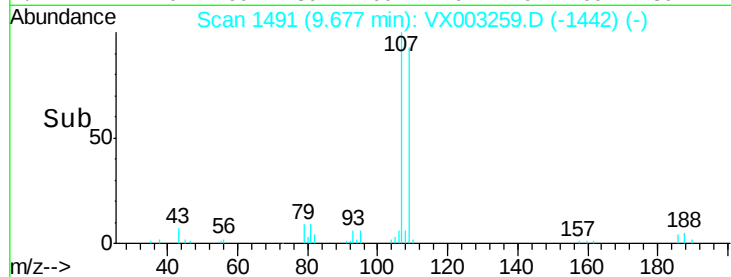
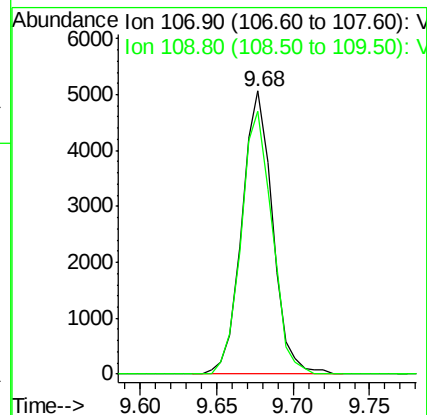
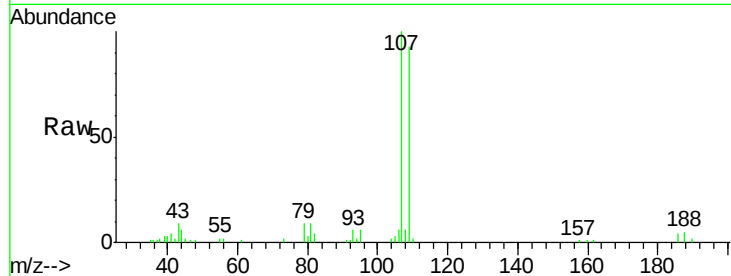
LOQ-WATER-02-QT3-2018

Tot Ion:107 Resp: 7054

Ion Ratio Lower Upper

107 100

109 93.4 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 47.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

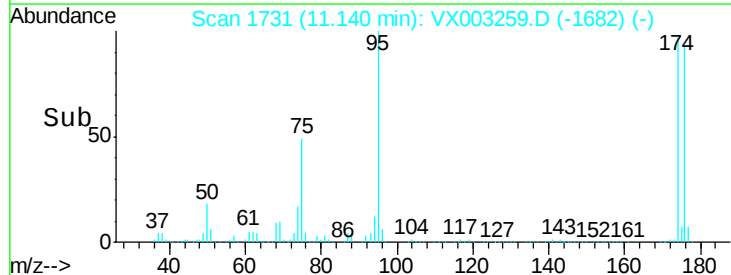
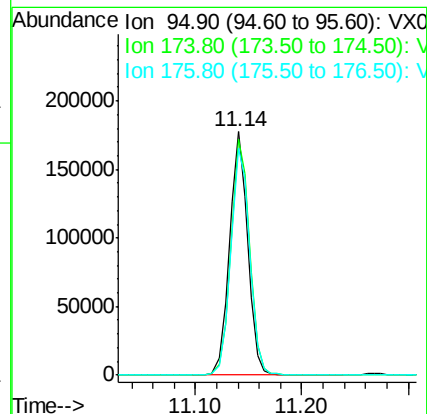
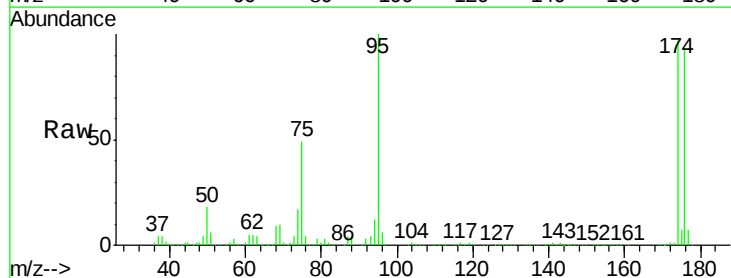
Tgt Ion: 95 Resp: 212115

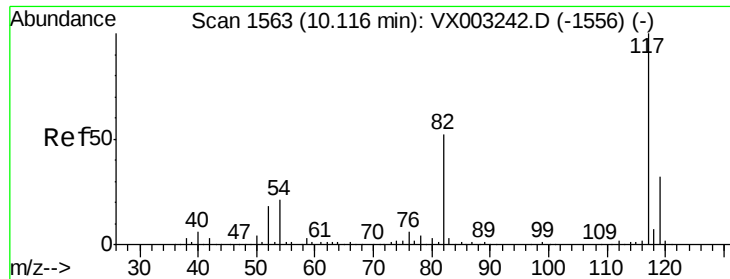
Ion Ratio Lower Upper

95 100

174 99.9 0.0 187.4

176 97.0 0.0 181.0

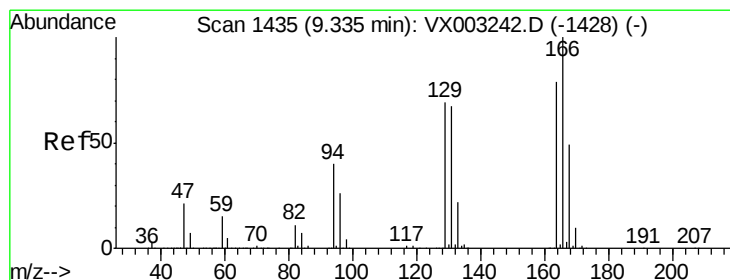
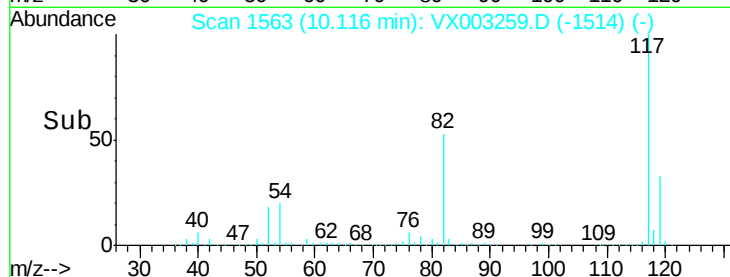
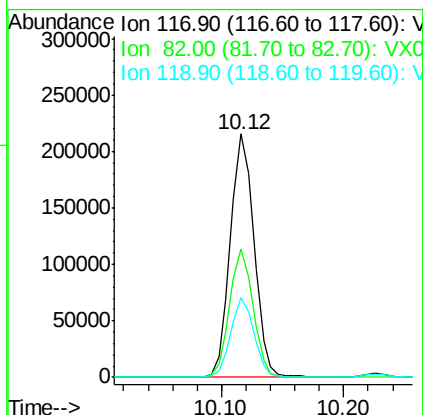
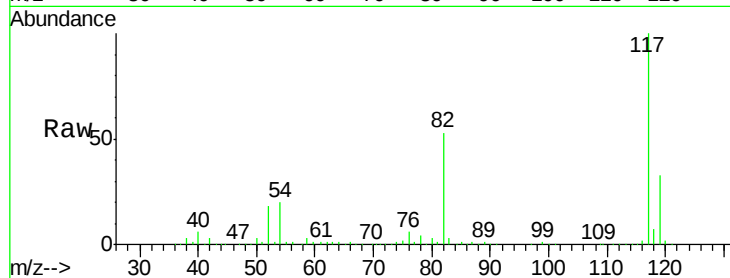




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

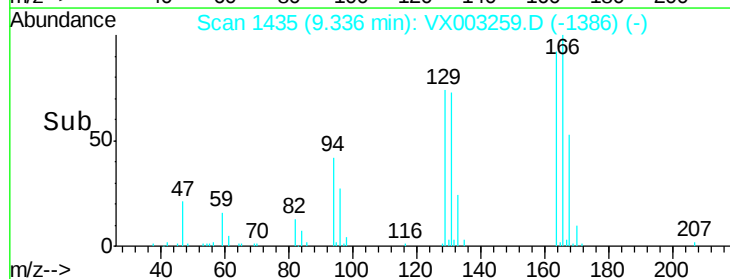
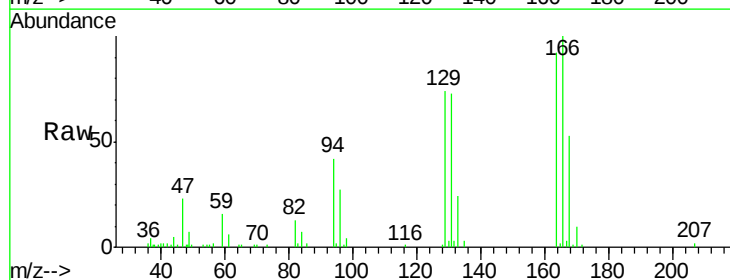
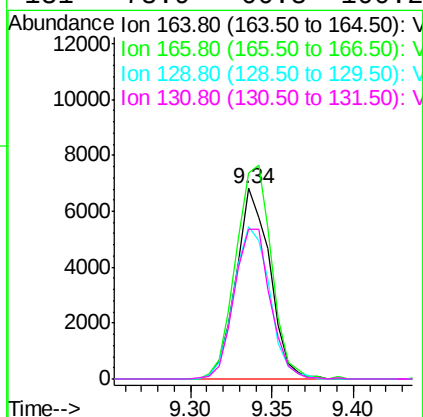
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

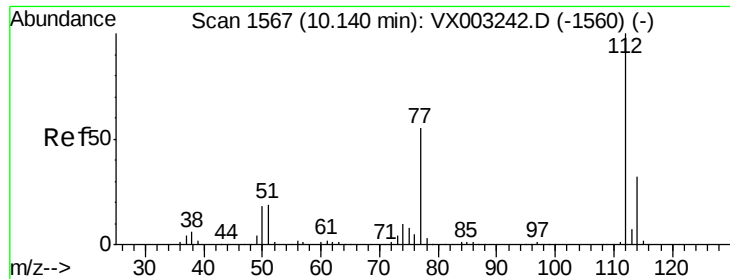
Tot Ion:117 Resp: 289350
Ion Ratio Lower Upper
117 100
82 52.7 45.0 67.4
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 2.26 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:164 Resp: 9883
Ion Ratio Lower Upper
164 100
166 108.2 102.9 154.3
129 80.0 68.6 102.8
131 78.9 66.8 100.2

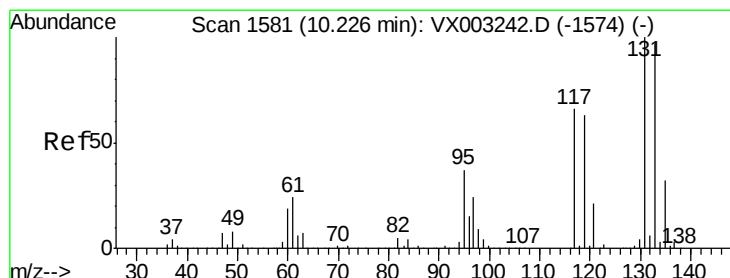
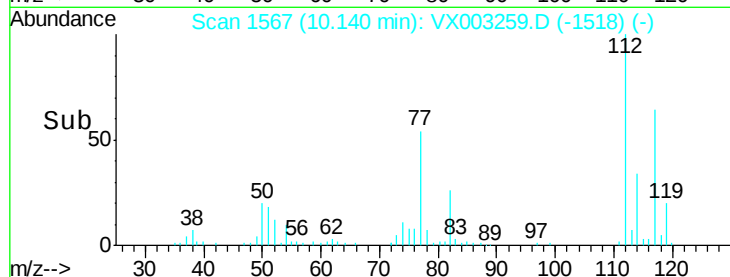
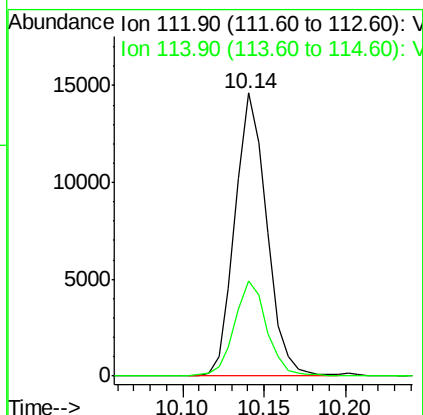
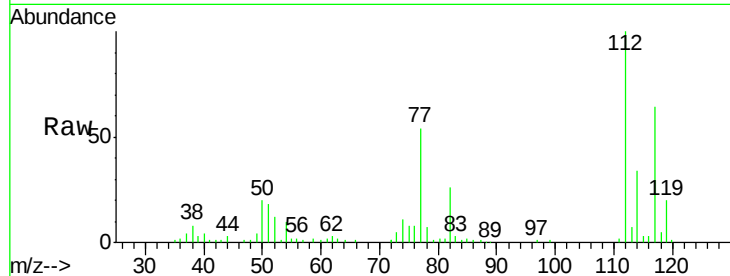




#65
Chlorobenzene
Concen: 2.03 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

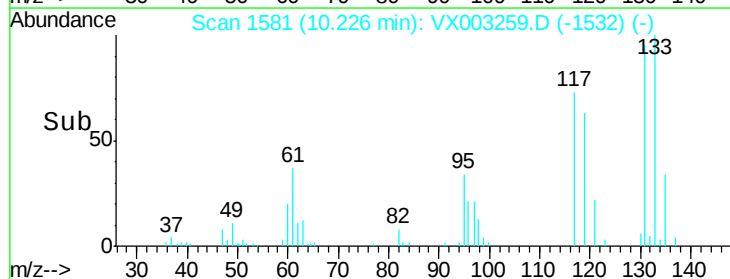
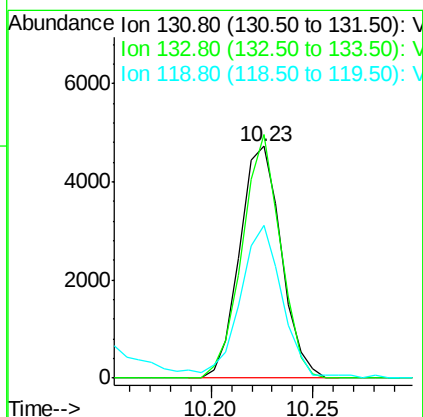
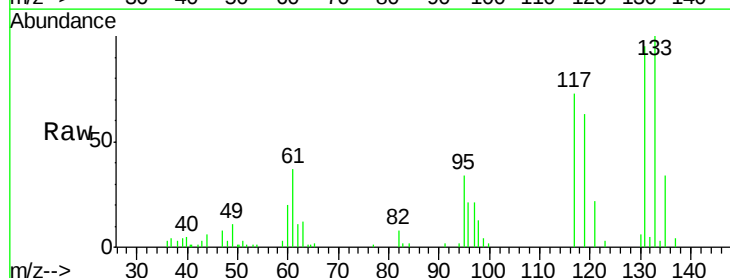
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

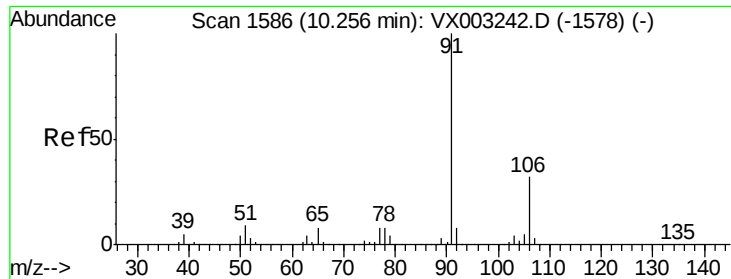
Tot Ion:112 Resp: 19937
Ion Ratio Lower Upper
112 100
114 33.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 1.89 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:131 Resp: 6697
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.6
119 66.4 31.8 95.3





#67

Ethyl Benzene

Concen: 1.88 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

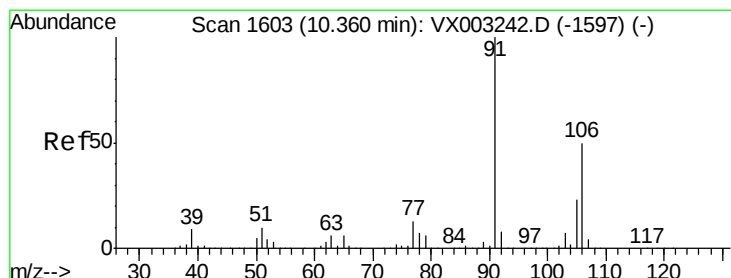
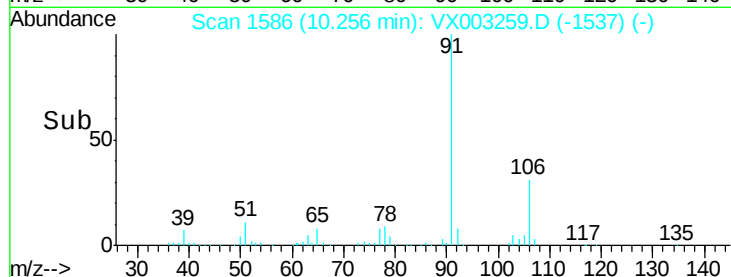
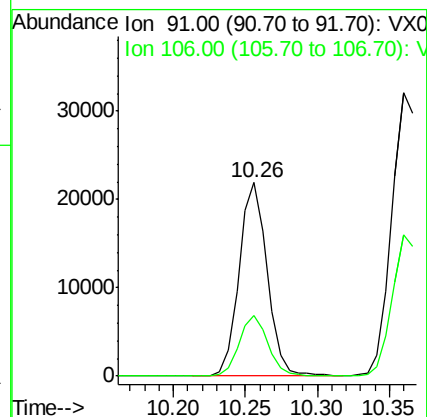
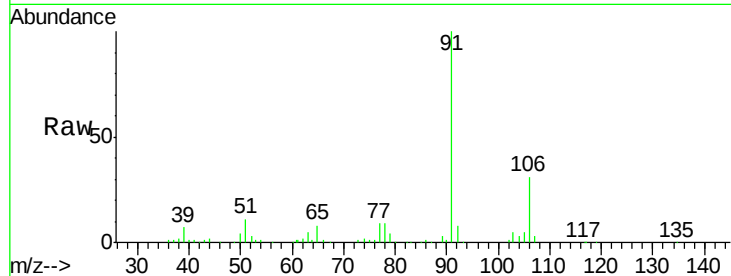
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 29819

Ion Ratio Lower Upper

91 100

106 31.2 25.5 38.3



#68

m/p-Xylenes

Concen: 3.66 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003259.D

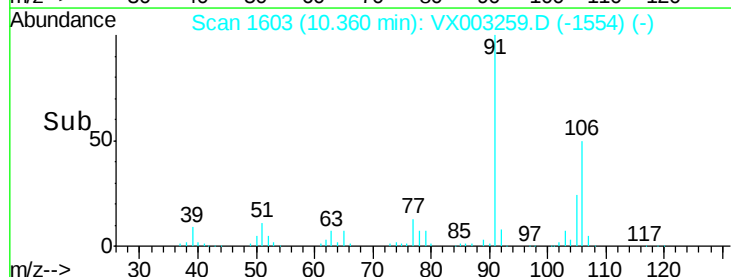
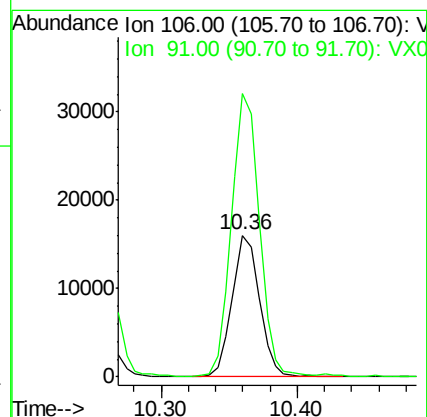
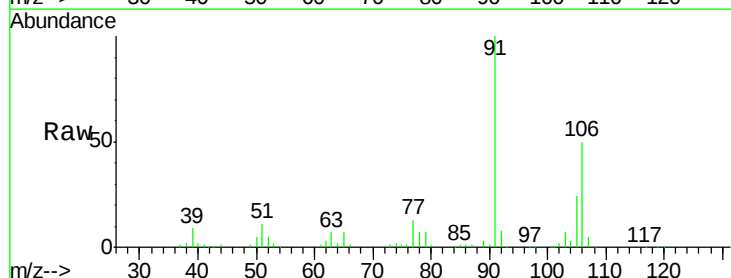
Acq: 09 Jul 2018 22:17

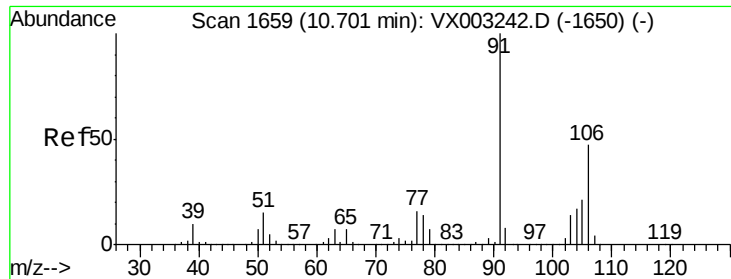
Tgt Ion: 106 Resp: 22661

Ion Ratio Lower Upper

106 100

91 200.4 163.4 245.2

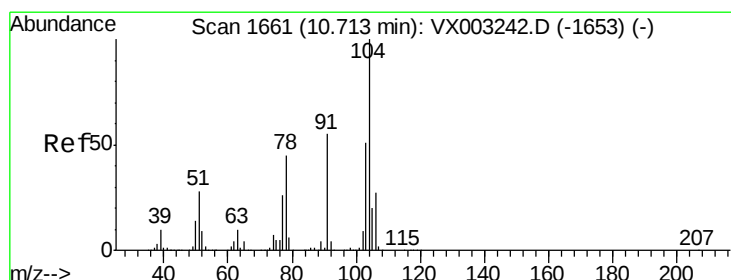
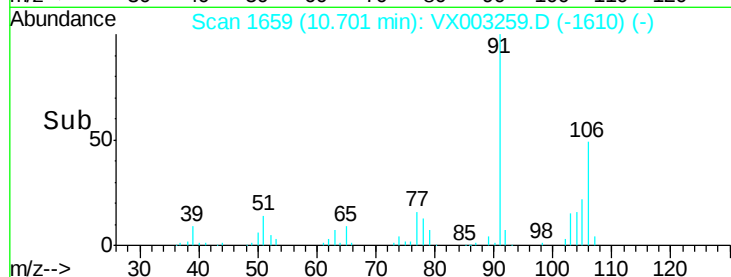
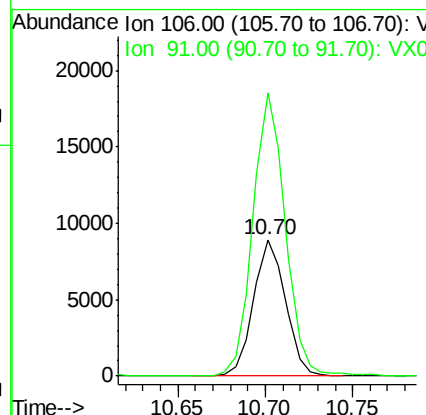
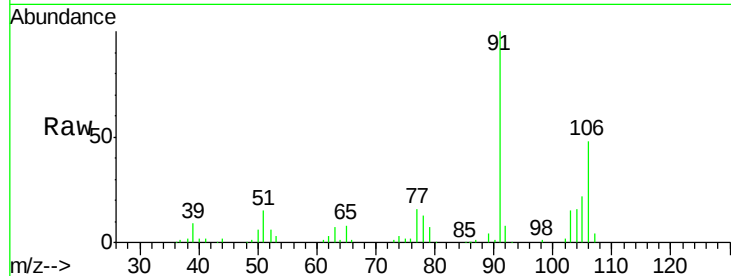




#69
o-Xylene
Concen: 1.90 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

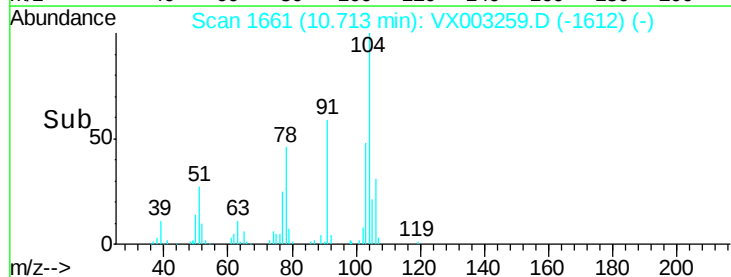
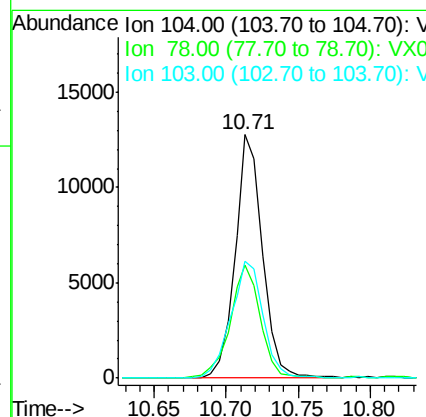
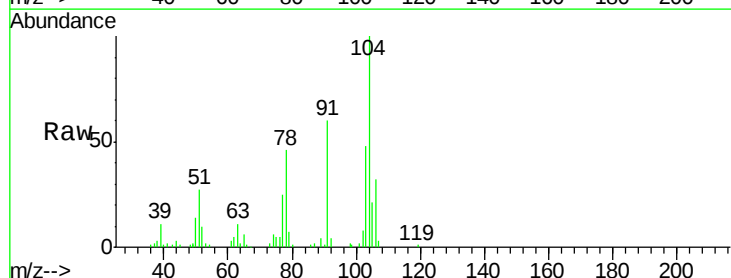
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion:106 Resp: 11358
Ion Ratio Lower Upper
106 100
91 210.9 108.2 324.6



#70
Styrene
Concen: 1.75 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:104 Resp: 16976
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 56.5 44.2 66.4

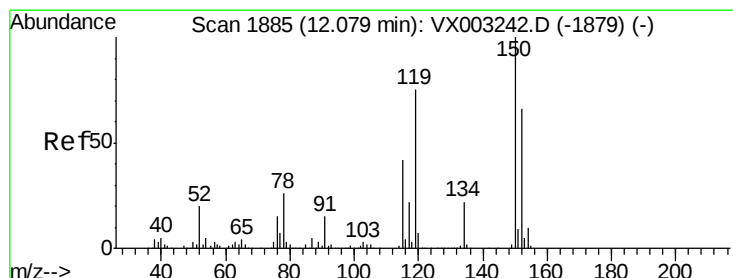
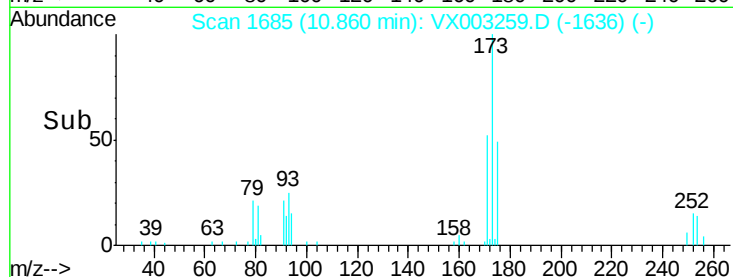
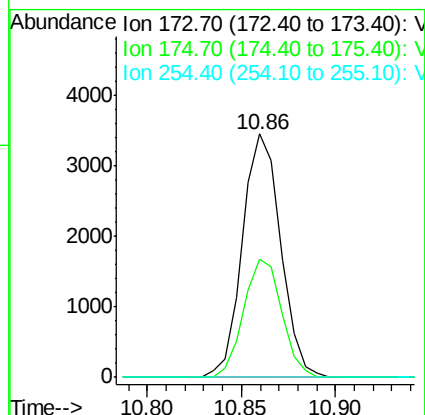
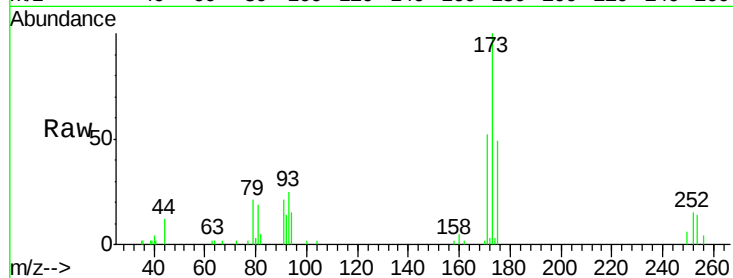




#71
Bromoform
Concen: 1.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

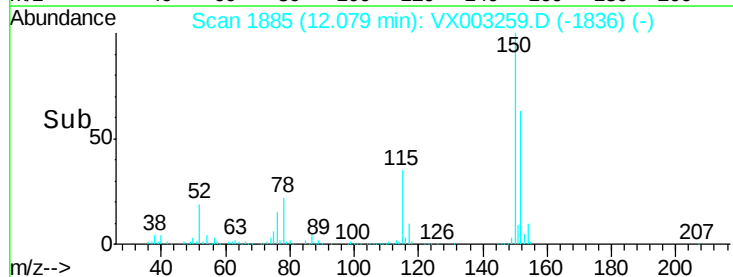
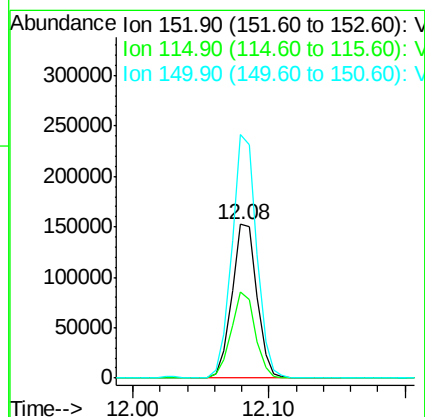
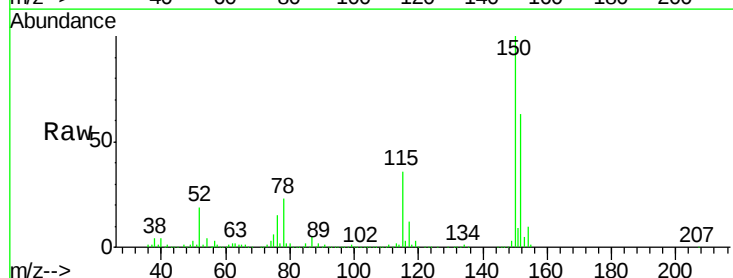
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

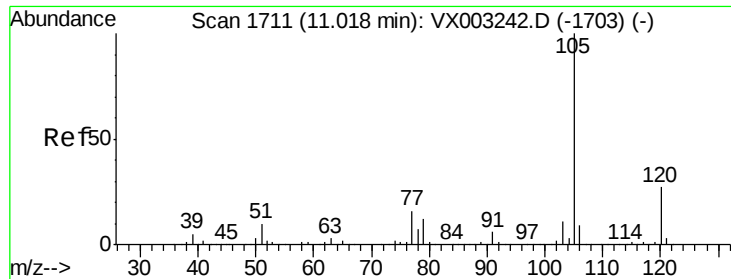
Tot Ion:173 Resp: 4875
Ion Ratio Lower Upper
173 100
175 48.1 24.7 74.1
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:152 Resp: 194785
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 156.5 0.0 347.2





#73

Isopropylbenzene

Concen: 1.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

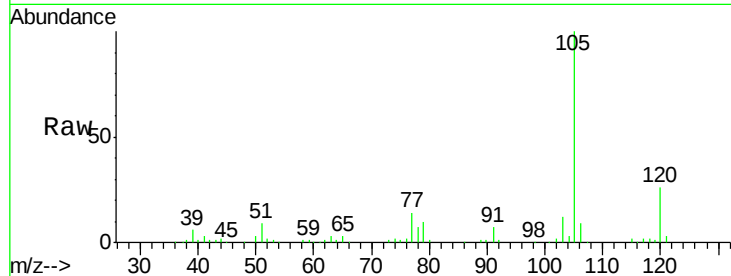
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 29590

Ion Ratio Lower Upper

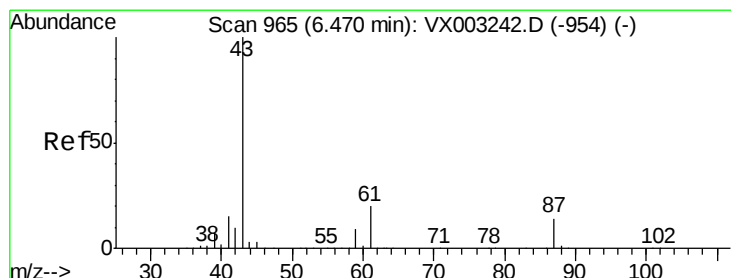
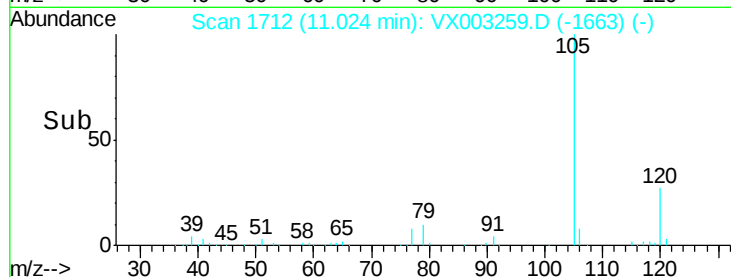
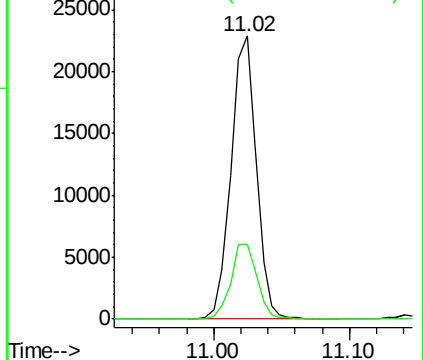
105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.12 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion: 43 Resp: 15566

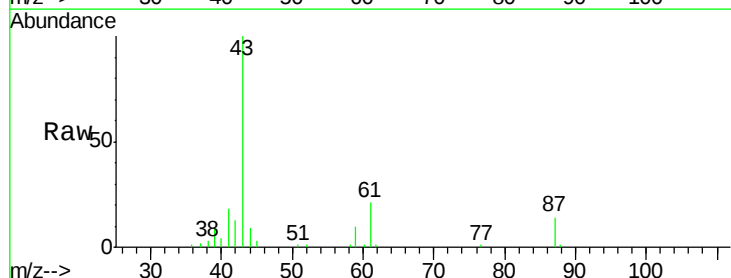
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.7 14.4 21.6

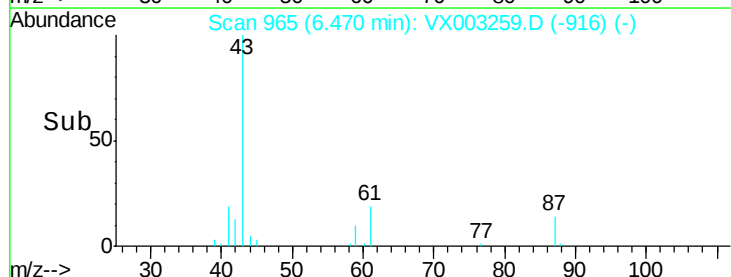
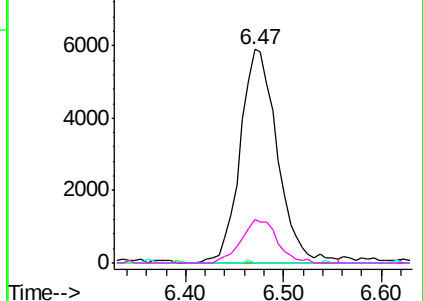


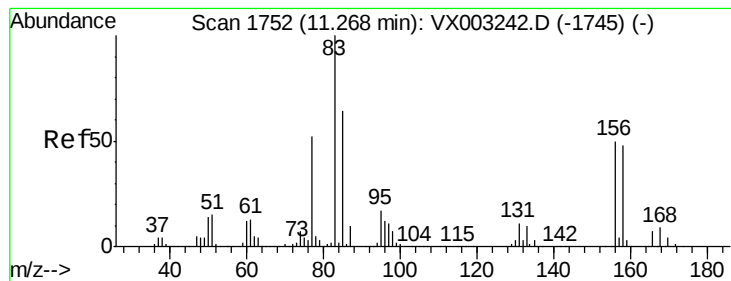
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.12 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

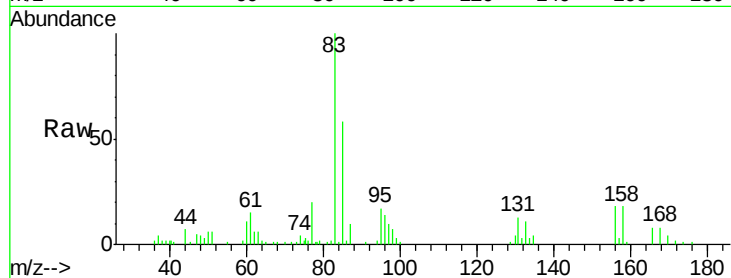
Tot Ion: 83 Resp: 10123

Ion Ratio Lower Upper

83 100

131 12.3 5.6 16.8

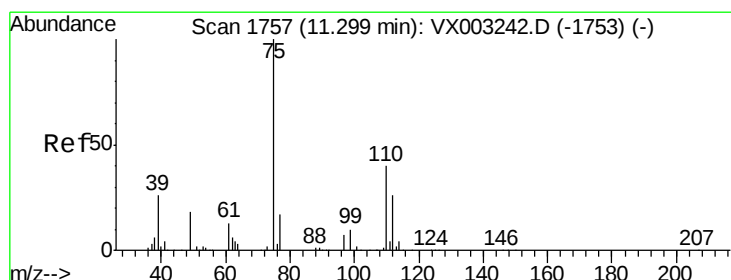
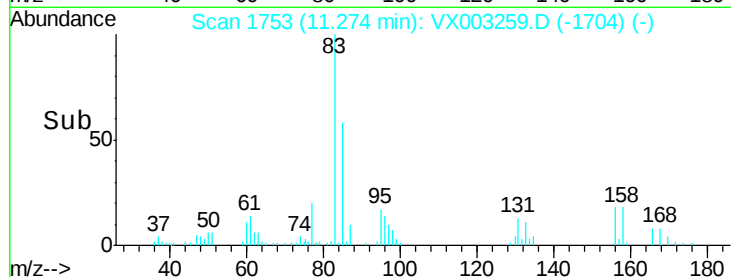
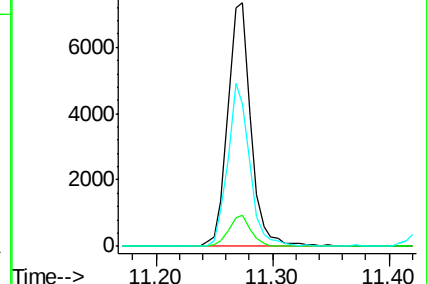
85 62.9 32.4 97.2



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: 2.38 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003259.D

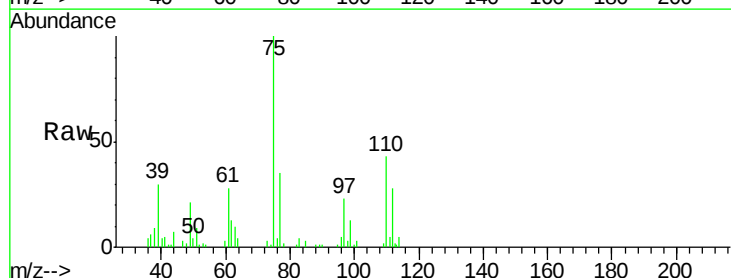
Acq: 09 Jul 2018 22:17

Tgt Ion: 75 Resp: 10012

Ion Ratio Lower Upper

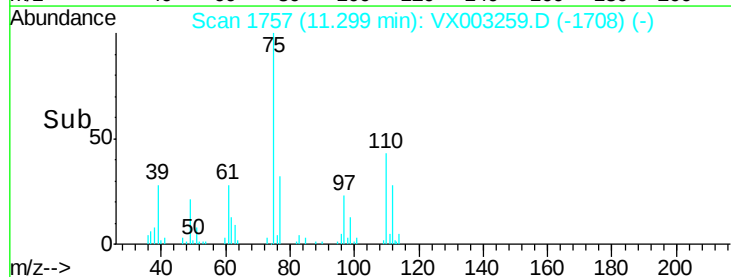
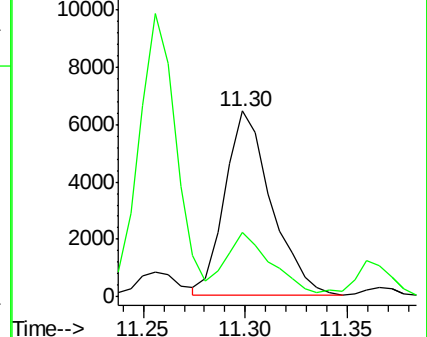
75 100

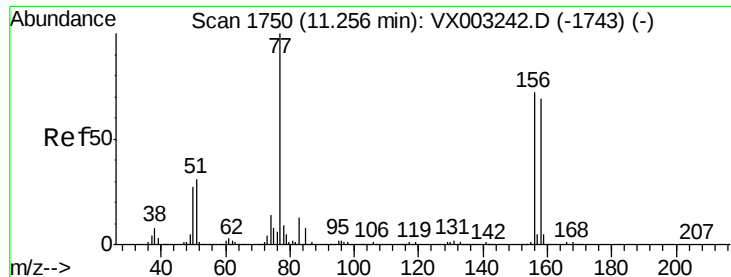
77 35.9 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.06 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

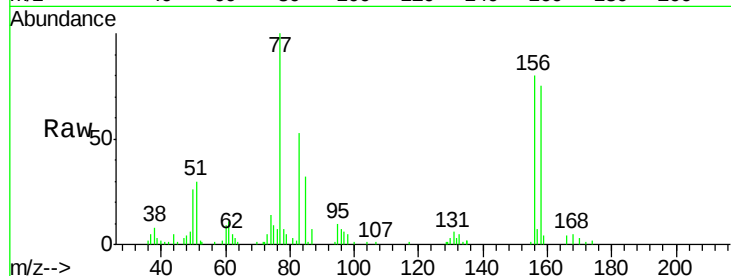
Tot Ion:156 Resp: 9126

Ion Ratio Lower Upper

156 100

77 138.1 71.4 214.2

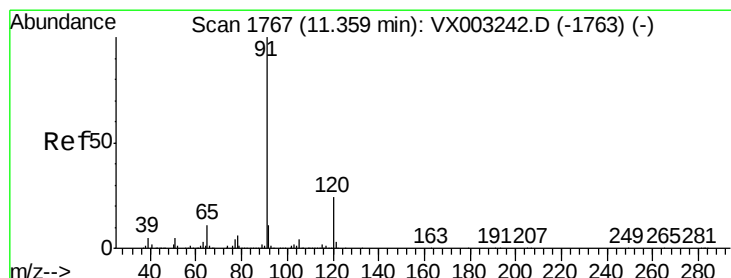
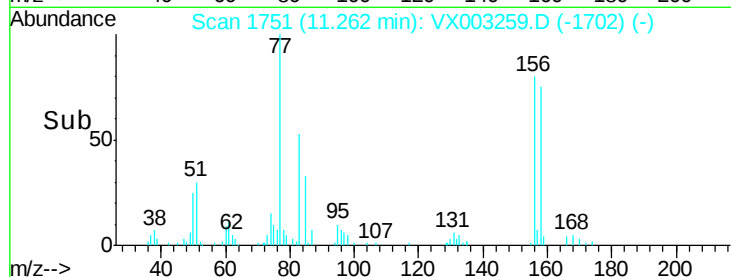
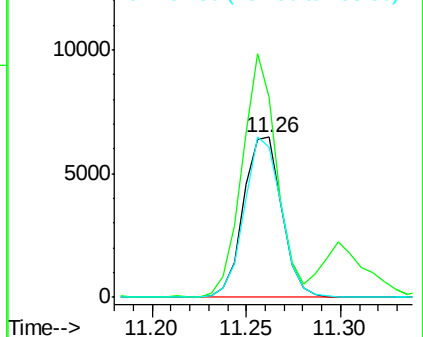
158 96.1 48.9 146.6



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: 1.91 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003259.D

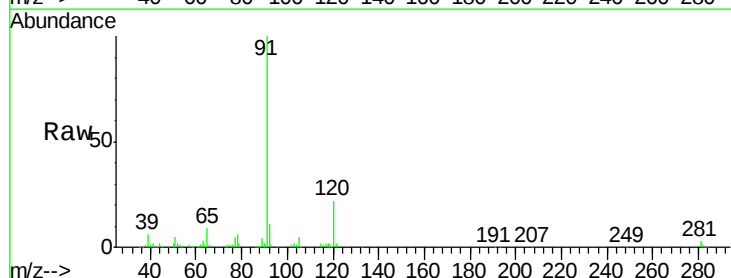
Acq: 09 Jul 2018 22:17

Tgt Ion: 91 Resp: 32727

Ion Ratio Lower Upper

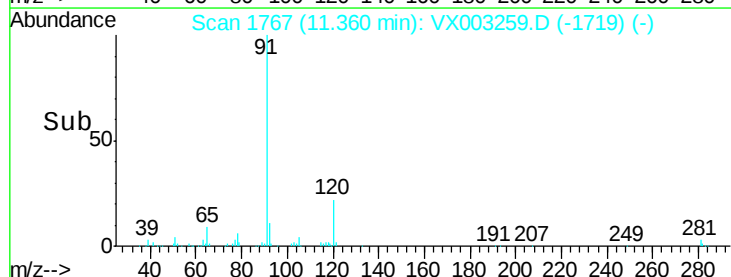
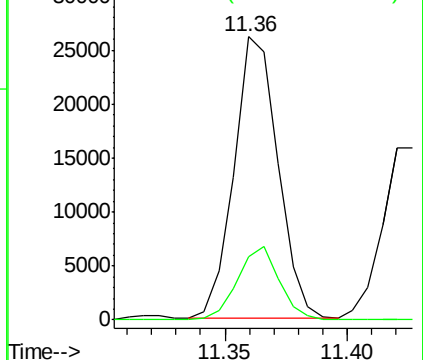
91 100

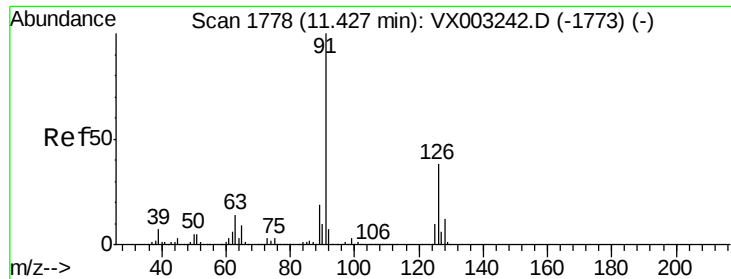
120 24.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

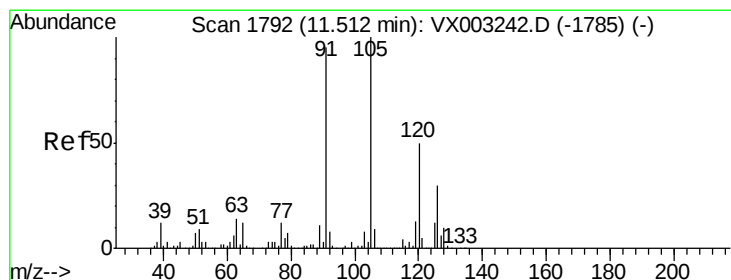
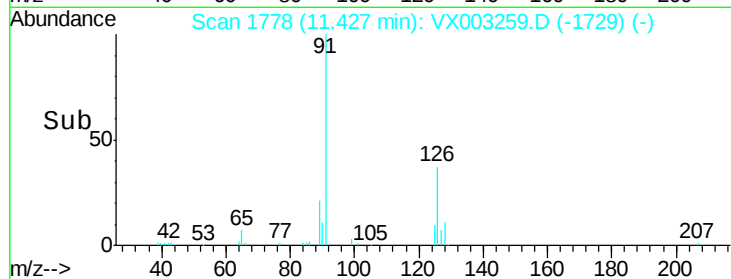
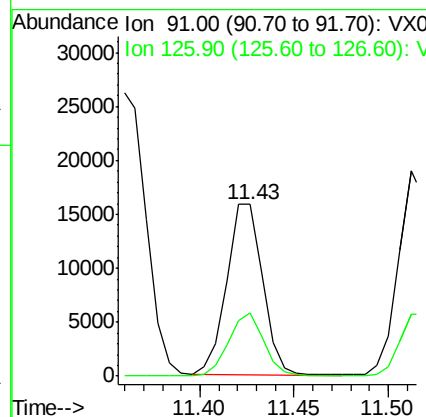
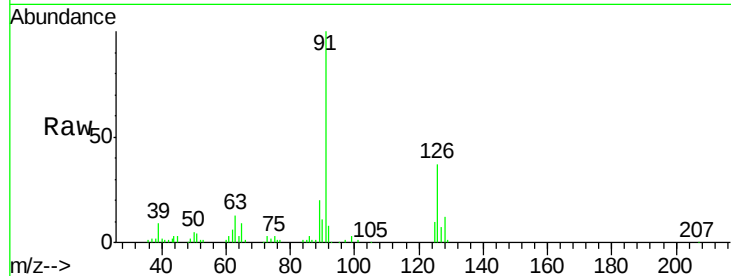




#79
 2-Chlorotoluene
 Concen: 2.02 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

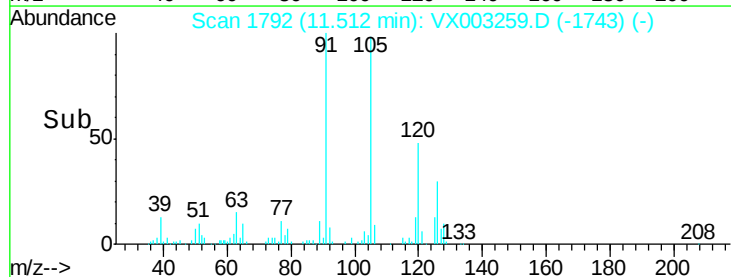
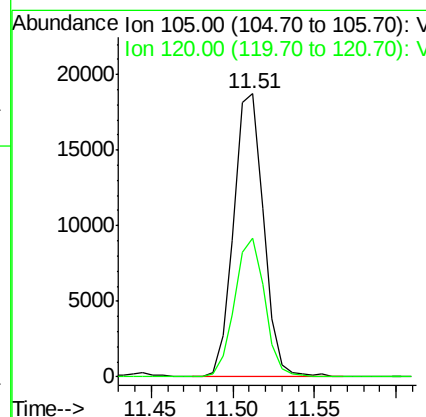
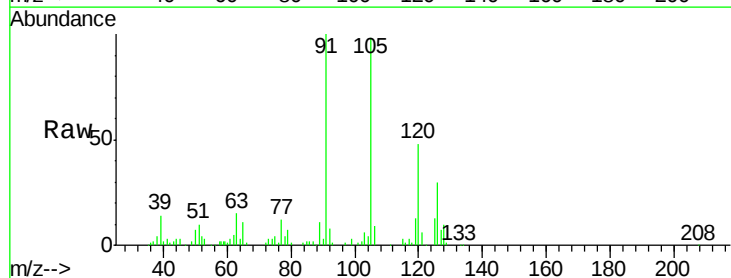
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

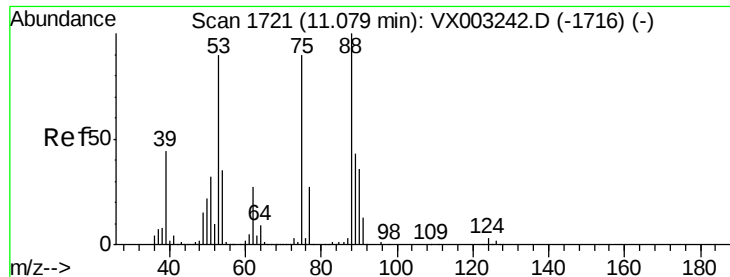
Tot Ion: 91 Resp: 21081
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 1.87 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 105 Resp: 23971
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.4

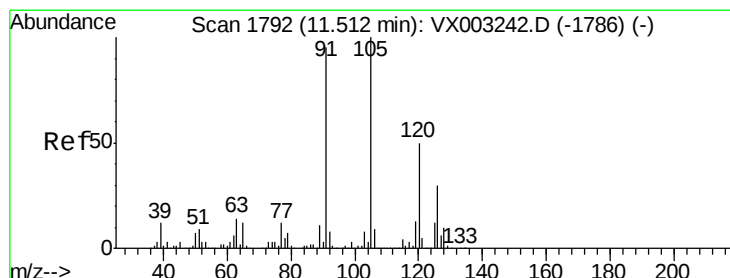
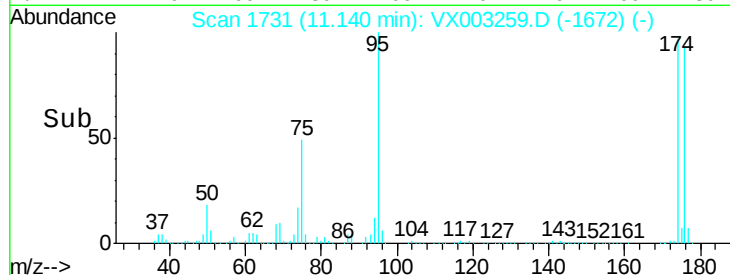
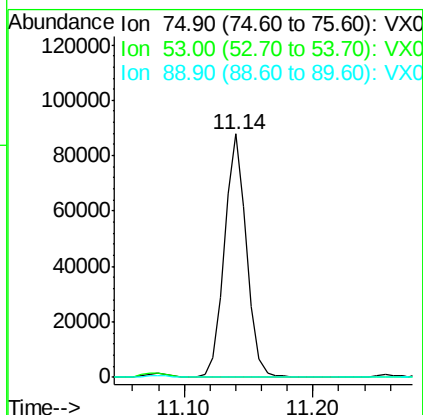
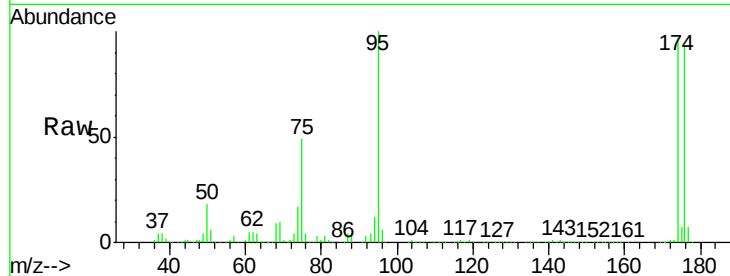




#81
trans-1,4-Dichloro-2-butene
Concen: 81.82 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

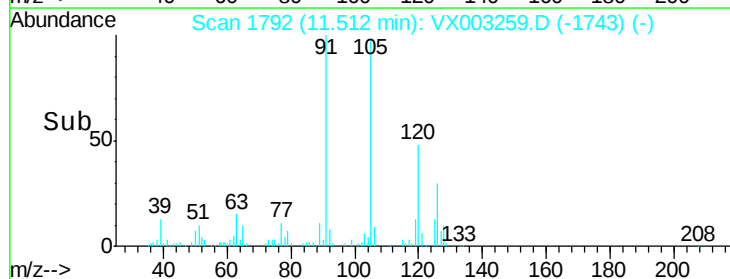
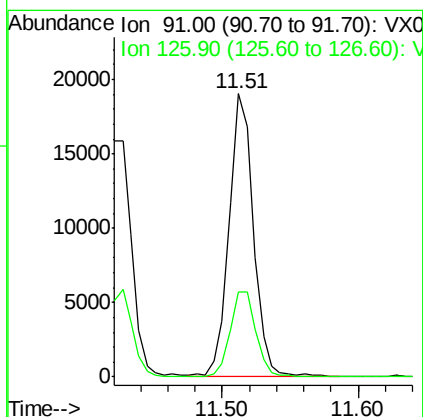
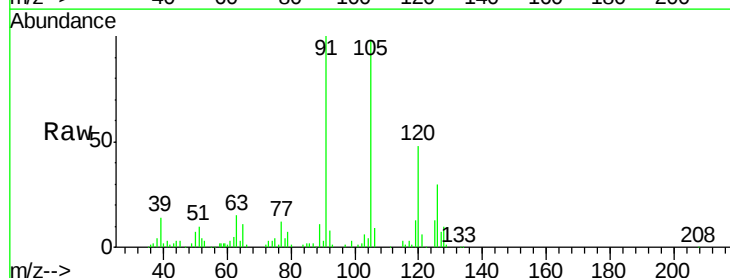
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

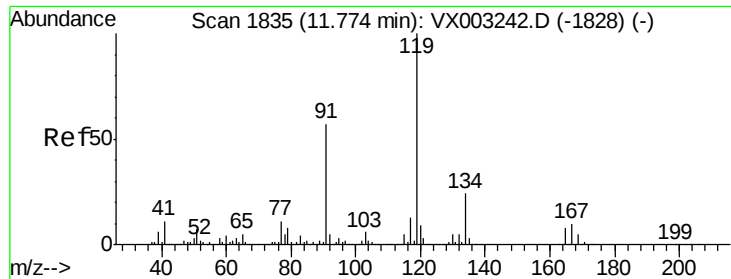
Tot Ion: 75 Resp: 105389
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#



#82
4-Chlorotoluene
Concen: 1.96 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 91 Resp: 23877
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4

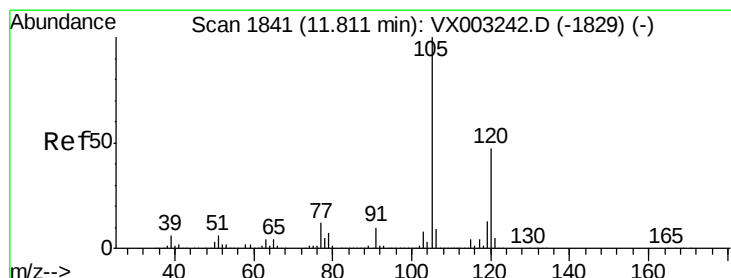
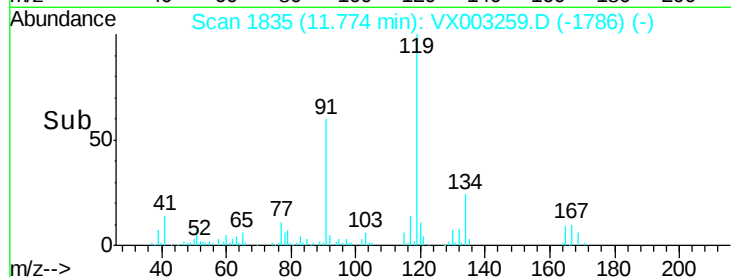
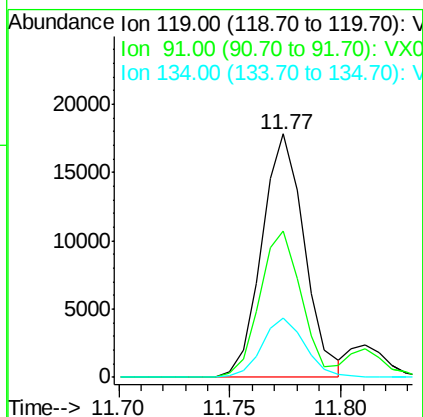
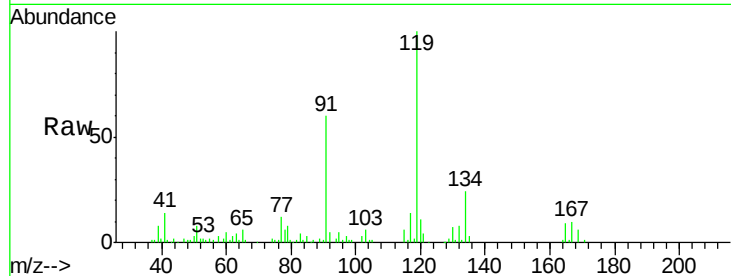




#83
 tert-Butylbenzene
 Concen: 1.86 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

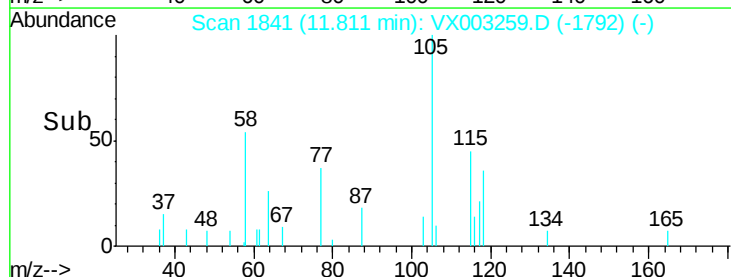
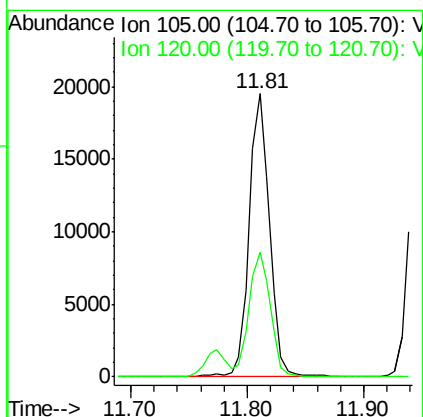
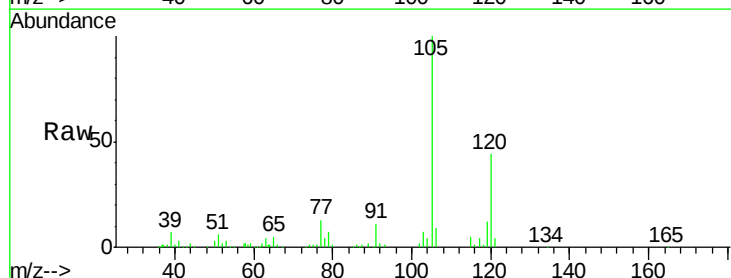
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

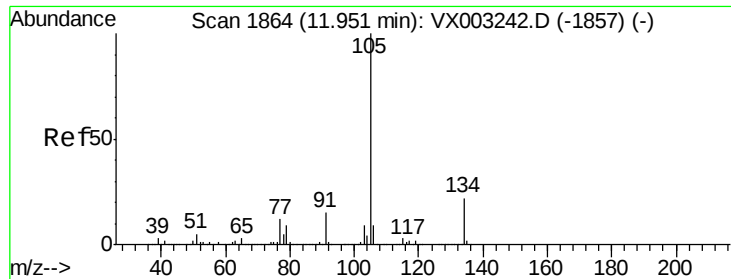
Tot Ion:119 Resp: 23745
 Ion Ratio Lower Upper
 119 100
 91 59.6 30.3 90.9
 134 24.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.82 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion:105 Resp: 23871
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 1.87 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

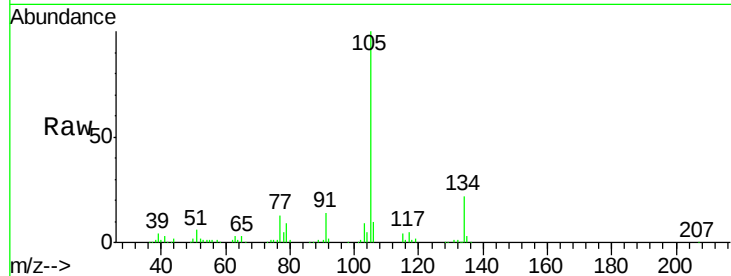
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 28279

Ion Ratio Lower Upper

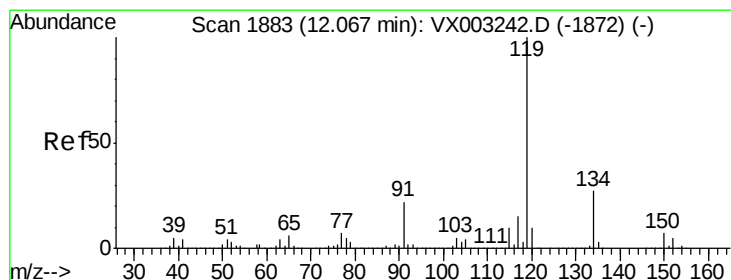
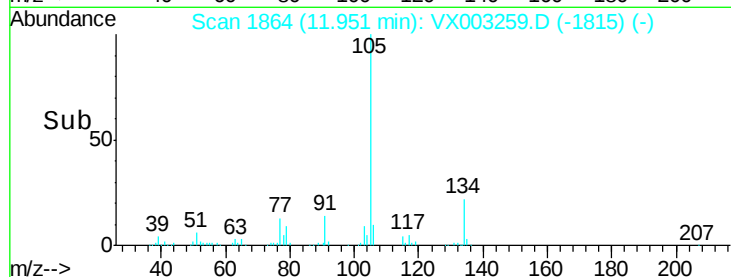
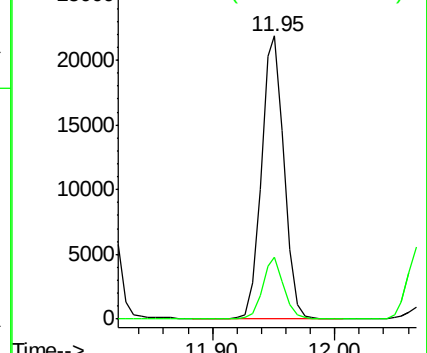
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.82 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

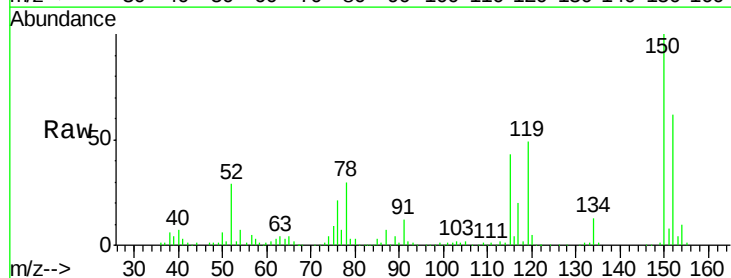
Tgt Ion:119 Resp: 25031

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

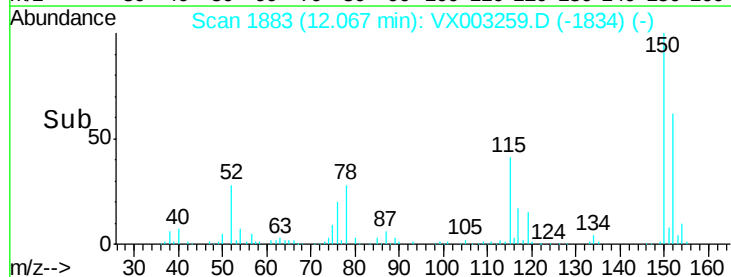
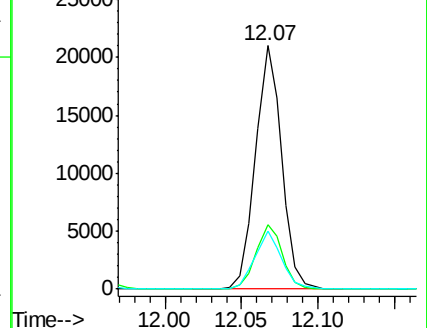
91 24.5 11.9 35.7

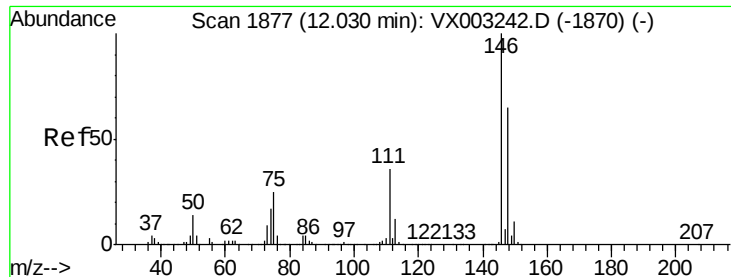


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

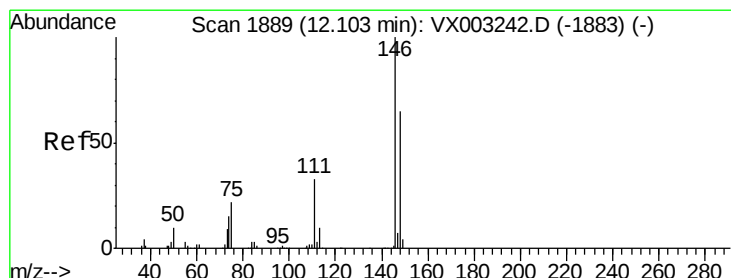
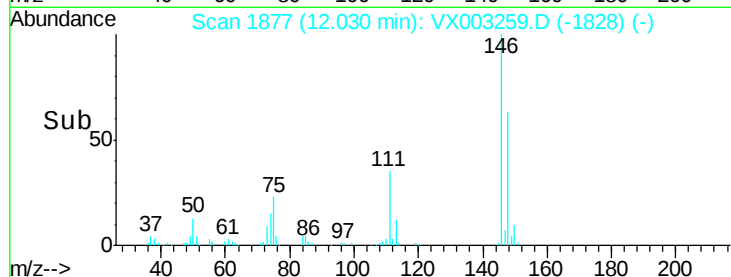
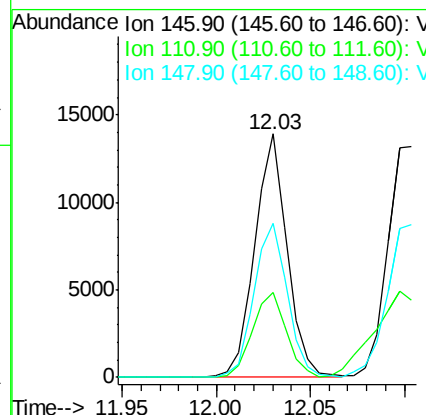
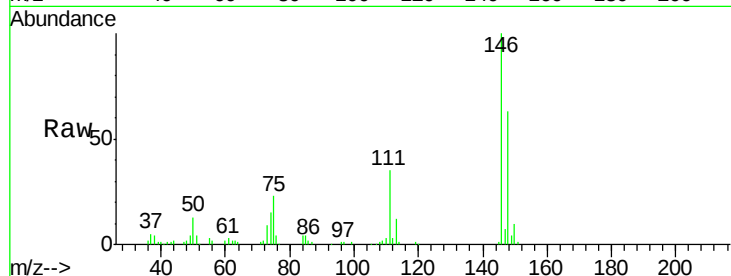




#87
 1,3-Dichlorobenzene
 Concen: 2.03 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

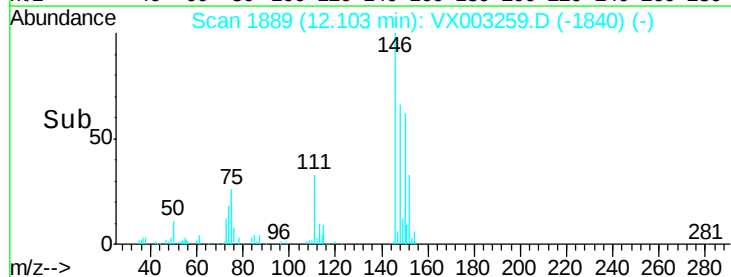
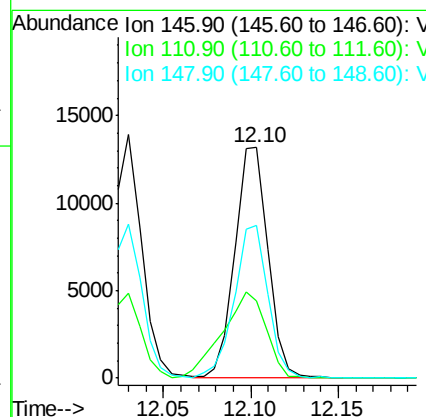
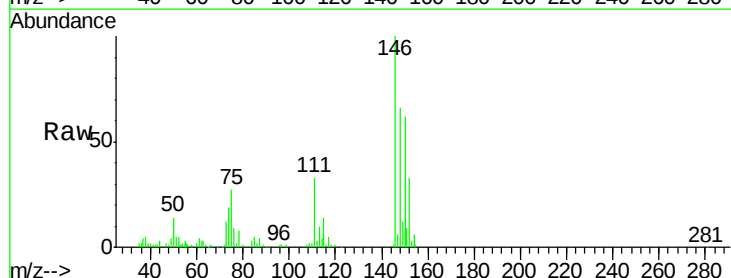
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

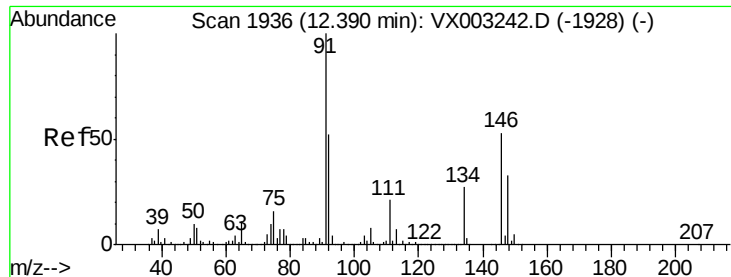
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.7
148	65.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.11 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	18.7	56.1
148	67.7	32.4	97.0

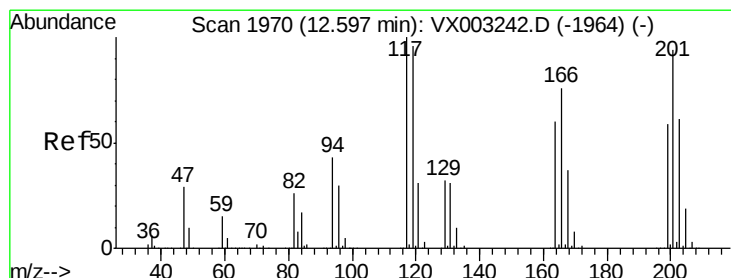
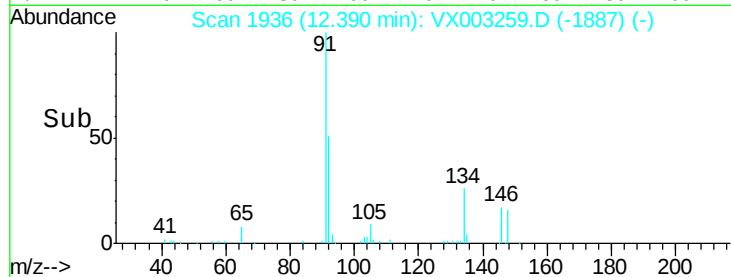
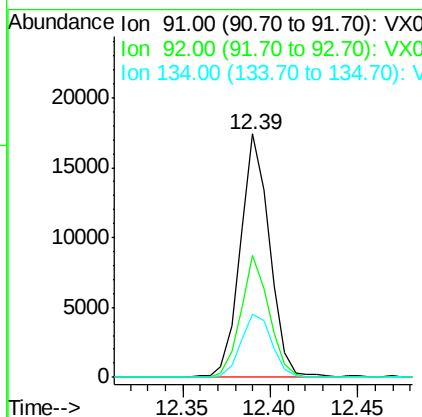
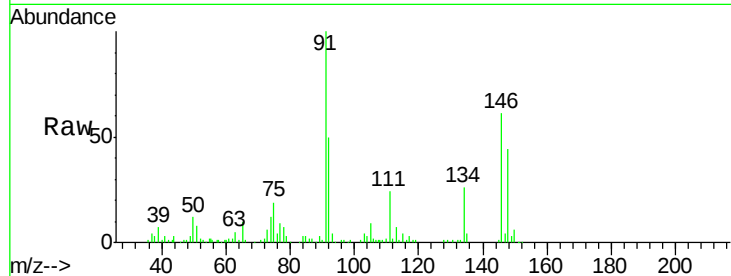




#89
n-Butylbenzene
Concen: 1.76 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

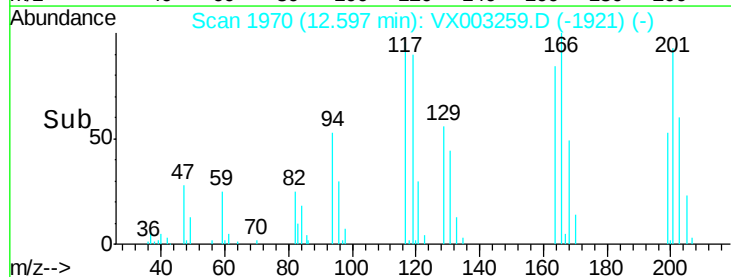
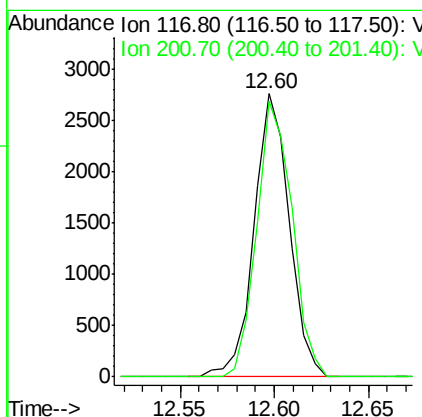
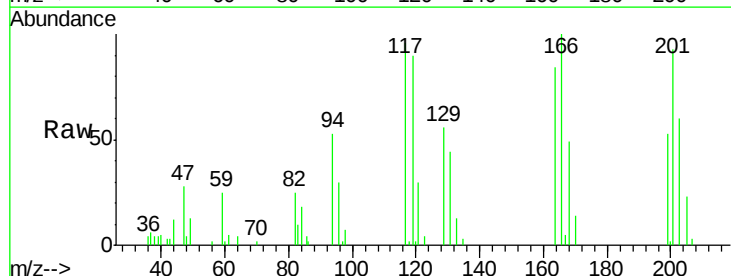
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

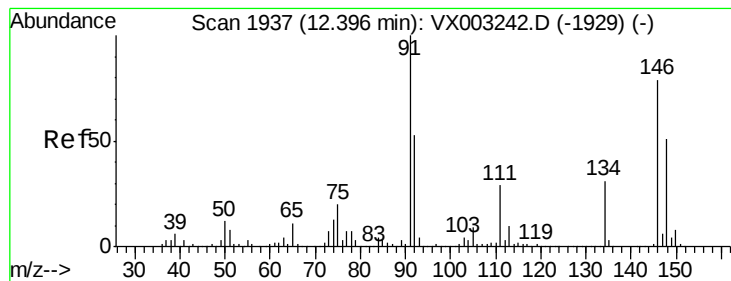
Tot Ion: 91 Resp: 20254
Ion Ratio Lower Upper
91 100
92 48.2 26.0 78.0
134 27.5 13.5 40.5



#90
Hexachloroethane
Concen: 1.70 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 117 Resp: 3567
Ion Ratio Lower Upper
117 100
201 98.0 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 2.00 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

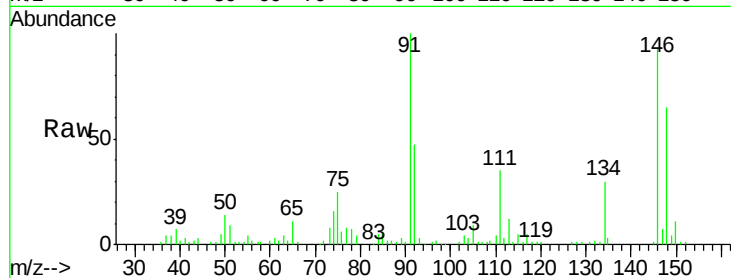
Tot Ion:146 Resp: 16351

Ion Ratio Lower Upper

146 100

111 37.2 19.4 58.1

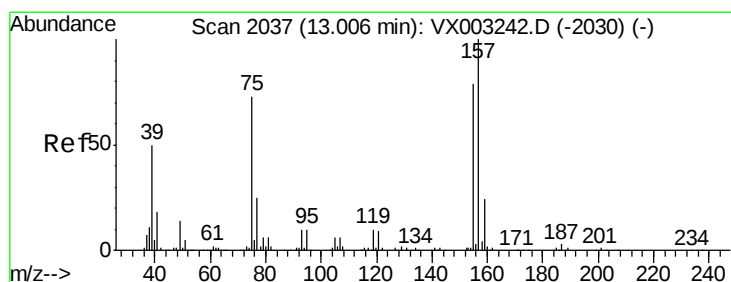
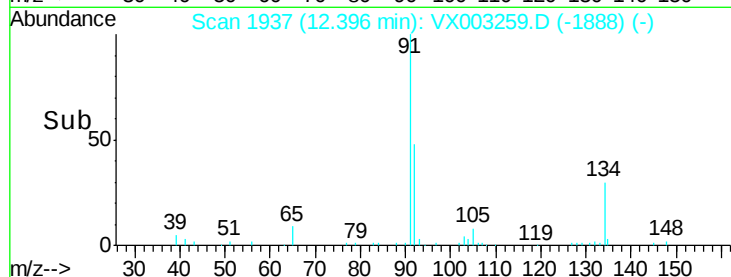
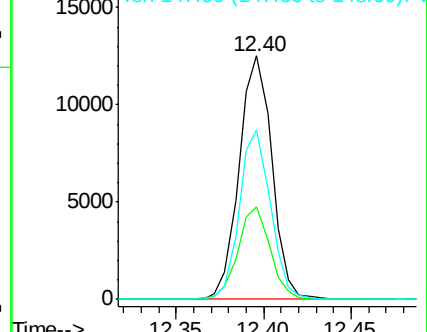
148 65.9 31.7 95.1



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: 1.81 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

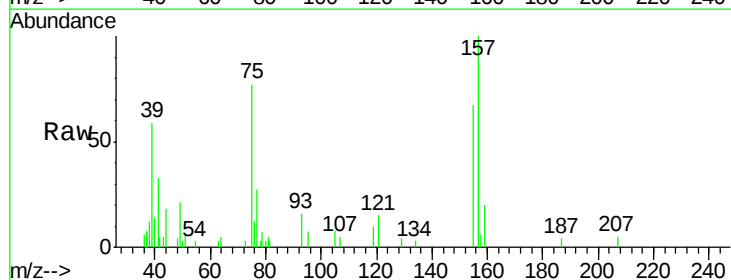
Tgt Ion: 75 Resp: 1848

Ion Ratio Lower Upper

75 100

155 99.4 45.8 137.4

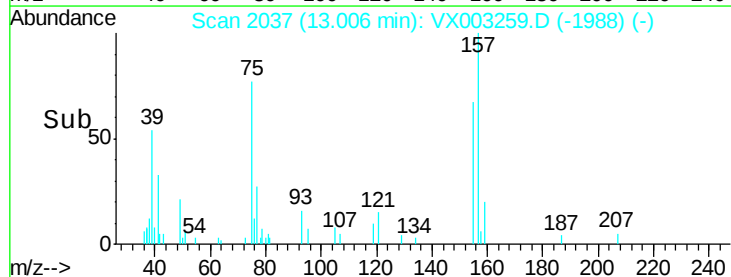
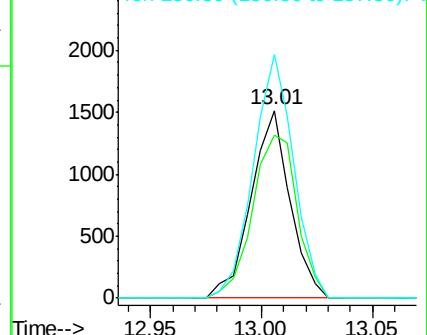
157 133.9 60.1 180.3

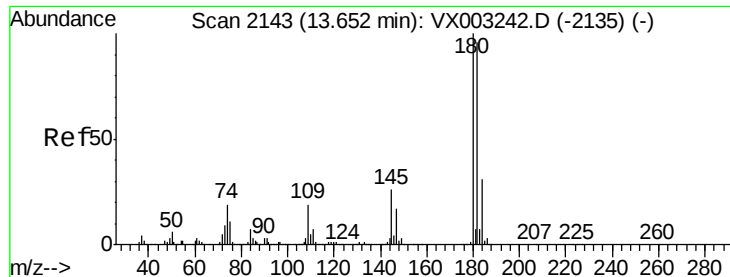


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 1.80 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

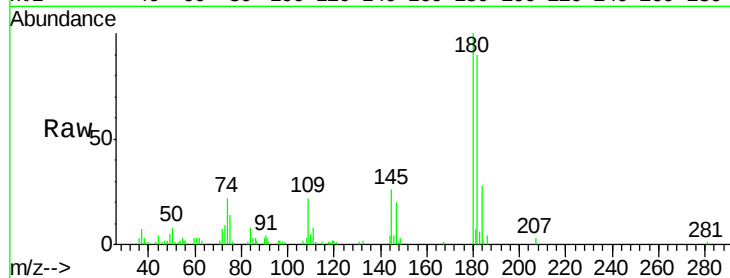
Tot Ion:180 Resp: 10709

Ion Ratio Lower Upper

180 100

182 95.6 47.7 143.1

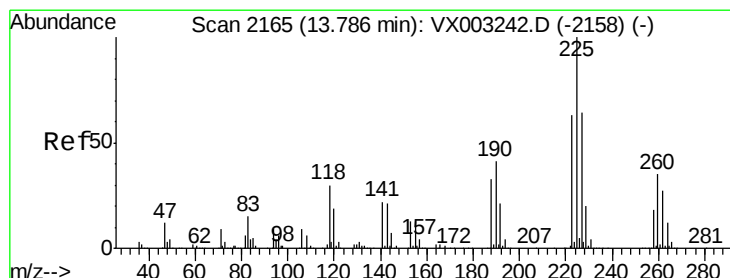
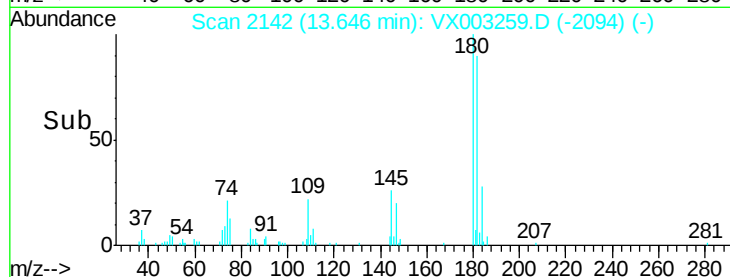
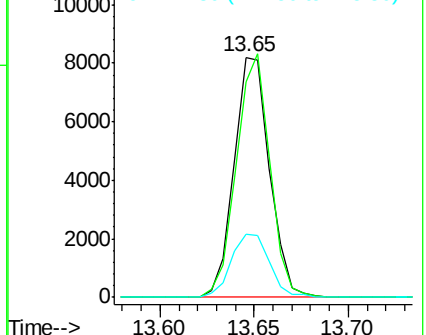
145 28.1 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 1.79 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

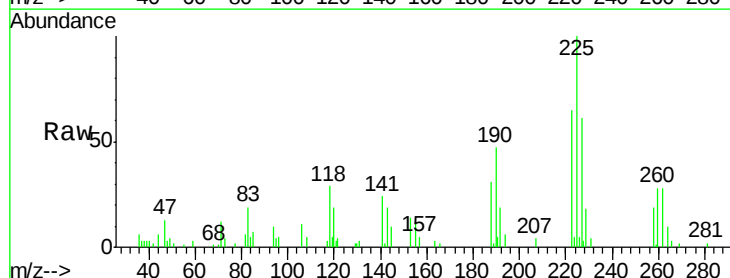
Tgt Ion:225 Resp: 5306

Ion Ratio Lower Upper

225 100

223 67.4 31.6 95.0

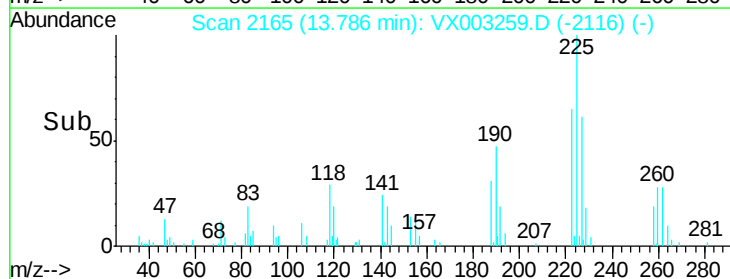
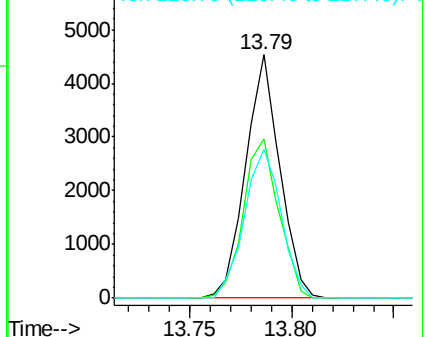
227 65.5 32.4 97.2

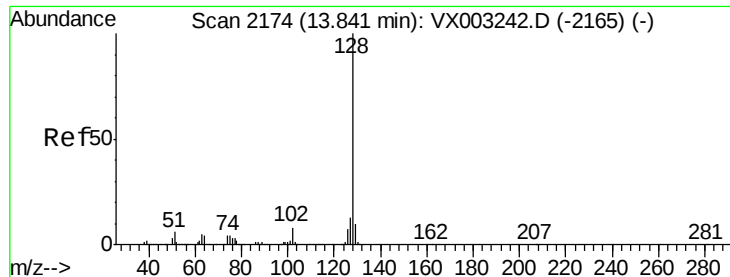


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.70 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

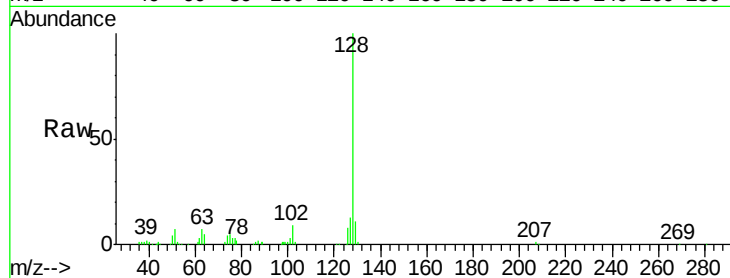
Tot Ion:128 Resp: 26435

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

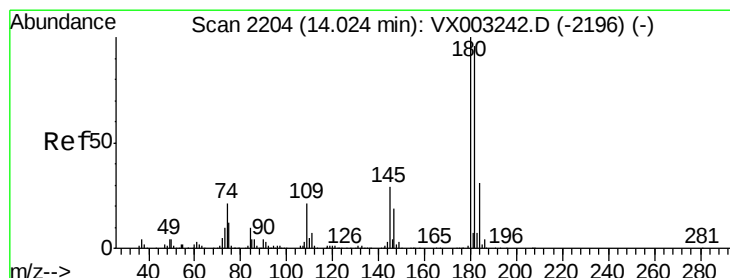
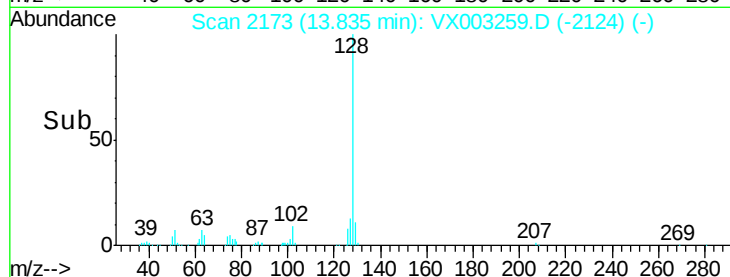
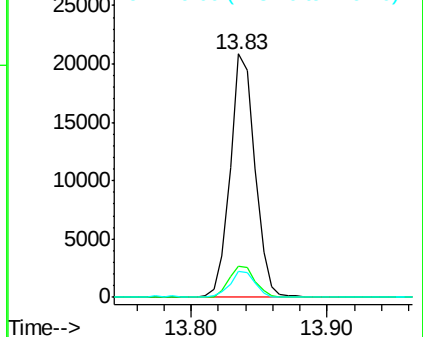
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.89 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

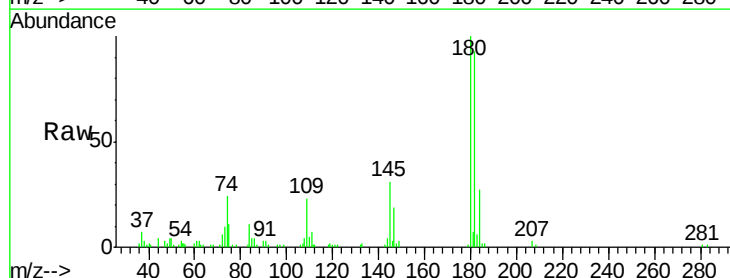
Tgt Ion:180 Resp: 11233

Ion Ratio Lower Upper

180 100

182 94.3 48.0 144.0

145 30.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

