

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005299.D
 Acq On : 12 Oct 2018 17:51
 Operator : JC/MD
 Sample : J5164-08 10ppb
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 13 02:36:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	153629	53.86	ug/l	-0.01
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	5.51	113	118796	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	8.71	98	430862	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.14	95	159910	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	20111	10.007	ug/l	88
3) Chloromethane	1.32	50	29259	10.048	ug/l	89
4) Vinyl Chloride	1.40	62	28392	9.625	ug/l	98
5) Bromomethane	1.64	94	16330	10.272	ug/l	99
6) Chloroethane	1.70	64	18107	9.878	ug/l	96
7) Trichlorofluoromethane	1.92	101	40874	10.384	ug/l	94
8) Diethyl Ether	2.19	74	17191	10.227	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25452	11.202	ug/l	99
10) Methyl Iodide	2.50	142	20272	10.221	ug/l	96
11) Tert butyl alcohol	3.09	59	41547	51.633	ug/l	95
12) 1,1-Dichloroethene	2.36	96	23159	10.288	ug/l	97
13) Acrolein	2.29	56	31831	60.350	ug/l	90
14) Allyl chloride	2.72	41	51251	10.370	ug/l	93
15) Acrylonitrile	3.15	53	97308	53.365	ug/l	99
16) Acetone	2.45	43	89629	54.343	ug/l	96
17) Carbon Disulfide	2.56	76	68598	10.059	ug/l #	94
18) Methyl Acetate	2.78	43	50538	10.770	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	85481	10.782	ug/l	92
20) Methylene Chloride	2.85	84	27476	10.397	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	25754	10.323	ug/l	98
22) Diisopropyl ether	3.88	45	82411	9.927	ug/l	96
23) Vinyl Acetate	3.82	43	347872	47.945	ug/l	96
24) 1,1-Dichloroethane	3.69	63	48849	10.268	ug/l	97
25) 2-Butanone	4.70	43	125855	52.154	ug/l	91
26) 2,2-Dichloropropane	4.58	77	32457	9.122	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	27346	10.086	ug/l	94
28) Bromochloromethane	5.02	49	22589	10.415	ug/l	93
29) Tetrahydrofuran	5.16	42	83965	54.548	ug/l	91
30) Chloroform	5.21	83	45663	10.341	ug/l	97
31) Cyclohexane	5.56	56	40132	10.235	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	41085	10.693	ug/l	99
36) 1,1-Dichloropropene	5.79	75	36894	10.175	ug/l	98
37) Ethyl Acetate	4.87	43	48763	10.458	ug/l	97
38) Carbon Tetrachloride	5.78	117	38222	10.491	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	37157	9.469	ug/l #	92
40) Benzene	6.14	78	117976	10.847	ug/l	94
41) Methacrylonitrile	5.06	41	24510	9.805	ug/l	96
42) 1,2-Dichloroethane	6.20	62	40284	10.489	ug/l	98
43) Isopropyl Acetate	6.47	43	64716	10.419	ug/l	96
44) Trichloroethene	7.21	130	27943	9.558	ug/l	96
45) 1,2-Dichloropropane	7.52	63	26530	9.944	ug/l	94
46) Dibromomethane	7.66	93	17359	9.858	ug/l	100
47) Bromodichloromethane	7.90	83	31653	9.718	ug/l	100
48) Methyl methacrylate	7.78	41	31538	9.790	ug/l	95
49) 1,4-Dioxane	7.76	88	15747	211.925	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	226487	52.661	ug/l	93
52) Toluene	8.79	92	62903	10.571	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	32975	9.355	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	36521	9.562	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	26287	10.430	ug/l	97
56) Ethyl methacrylate	9.18	69	35936	9.781	ug/l	94
57) 1,3-Dichloropropane	9.37	76	42295	10.054	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	103428	50.194	ug/l	95
59) 2-Hexanone	9.50	43	179442	51.867	ug/l	93
60) Dibromochloromethane	9.59	129	25067	9.622	ug/l	98
61) 1,2-Dibromoethane	9.67	107	27554	10.417	ug/l	97
64) Tetrachloroethene	9.34	164	27773	10.417	ug/l	98
65) Chlorobenzene	10.14	112	72700	10.320	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	24853	9.900	ug/l	99
67) Ethyl Benzene	10.26	91	114366	9.986	ug/l	97
68) m/p-Xylenes	10.36	106	91221	20.522	ug/l	97
69) o-Xylene	10.70	106	43013	10.033	ug/l	96
70) Styrene	10.71	104	70124	9.945	ug/l	96
71) Bromoform	10.86	173	20942	9.335	ug/l #	97
73) Isopropylbenzene	11.02	105	117302	10.424	ug/l	100
74) N-amyl acetate	10.90	43	55340	10.196	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	44990	10.598	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	48137	13.110	ug/l	89
77) Bromobenzene	11.26	156	33679	10.467	ug/l	99
78) n-propylbenzene	11.36	91	135573	10.469	ug/l	100
79) 2-Chlorotoluene	11.42	91	84803	10.693	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	101324	10.515	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	10787	8.926	ug/l	91
82) 4-Chlorotoluene	11.51	91	98263	10.452	ug/l	100
83) tert-Butylbenzene	11.77	119	98243	10.068	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	103967	10.484	ug/l	98
85) sec-Butylbenzene	11.94	105	120501	10.435	ug/l	98
86) p-Isopropyltoluene	12.07	119	107369	10.286	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	63025	10.483	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	64026	10.410	ug/l	96
89) n-Butylbenzene	12.39	91	91357	9.640	ug/l	95
90) Hexachloroethane	12.60	117	17016	9.459	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	63306	10.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10383	10.027	ug/l	95

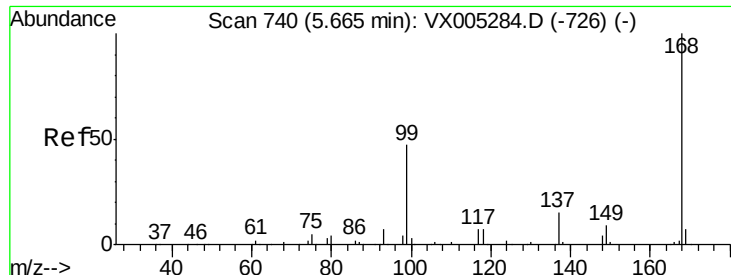
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45347	10.074	ug/l	99
94) Hexachlorobutadiene	13.79	225	24063	10.121	ug/l	97
95) Naphthalene	13.83	128	130560	10.001	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	47600	10.335	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

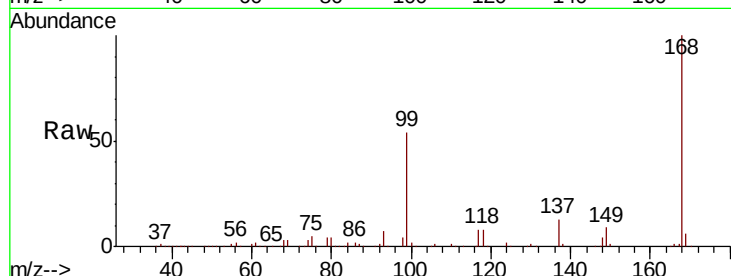
LOQ-WATER-02-QT4-2018

Tot Ion:168 Resp: 257024

Ion Ratio Lower Upper

168 100

99 53.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

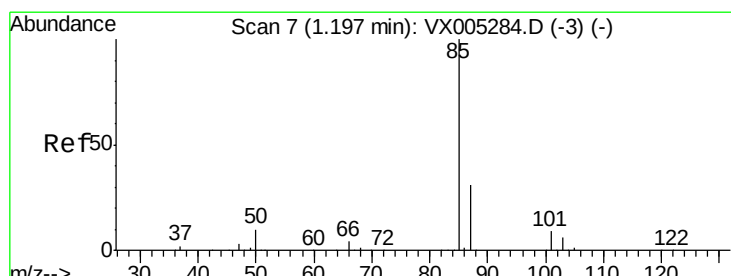
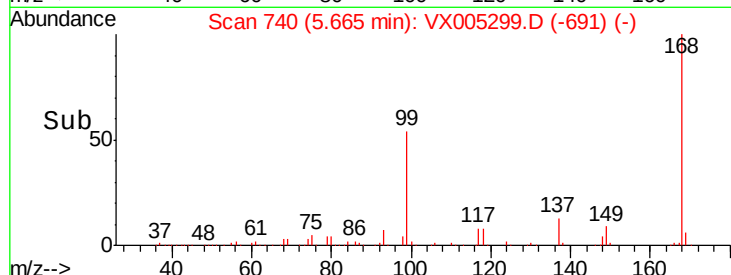
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 10.007 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX005299.D

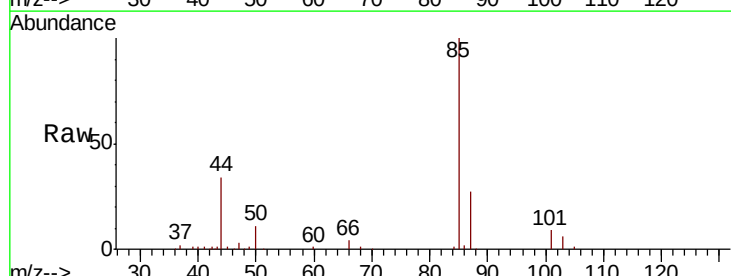
Acq: 12 Oct 2018 17:51

Tgt Ion: 85 Resp: 20111

Ion Ratio Lower Upper

85 100

87 27.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

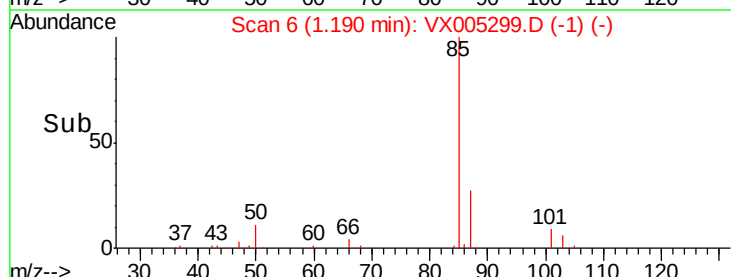
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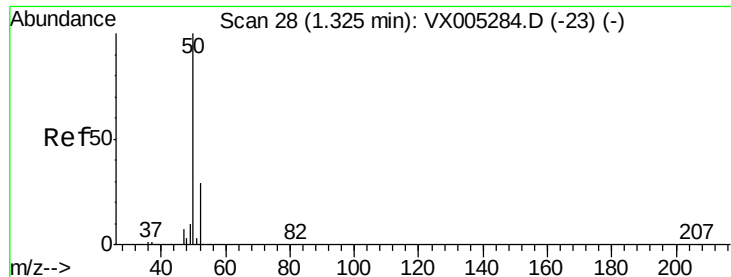
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 10.048 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

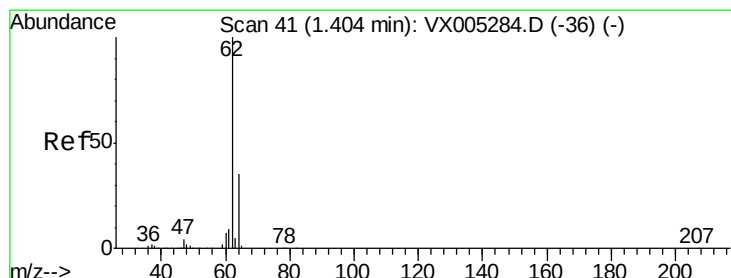
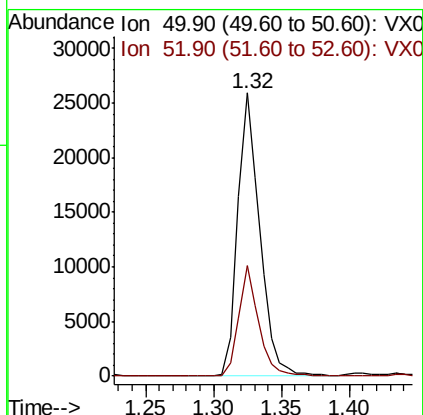
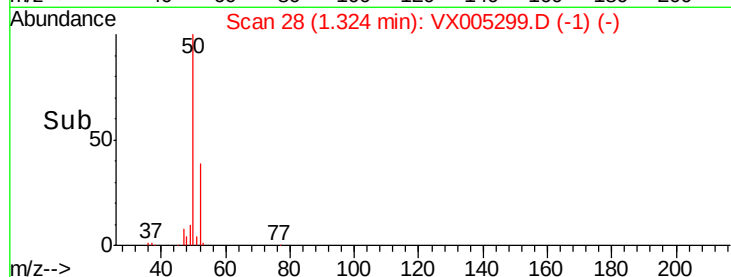
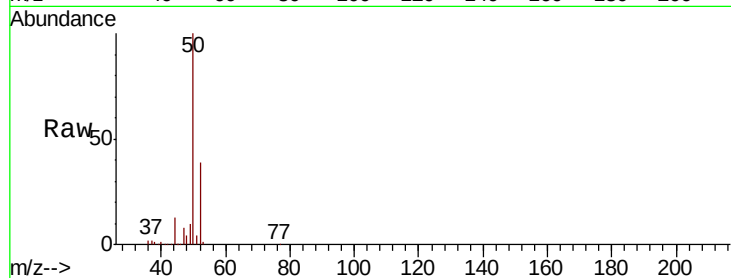
LOQ-WATER-02-QT4-2018

Tot Ion: 50 Resp: 29259

Ion Ratio Lower Upper

50 100

52 39.0 26.2 39.2



#4

Vinyl Chloride

Concen: 9.625 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005299.D

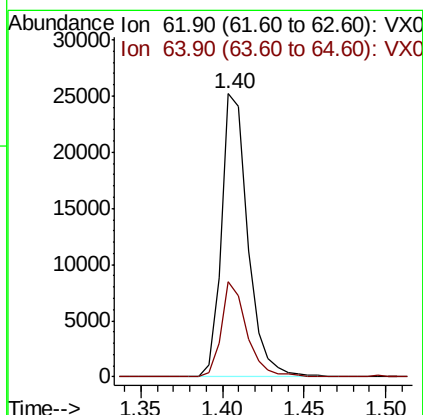
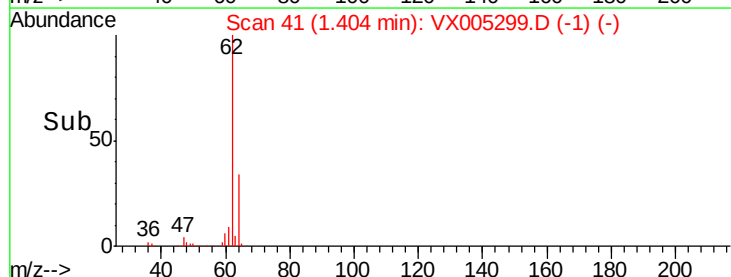
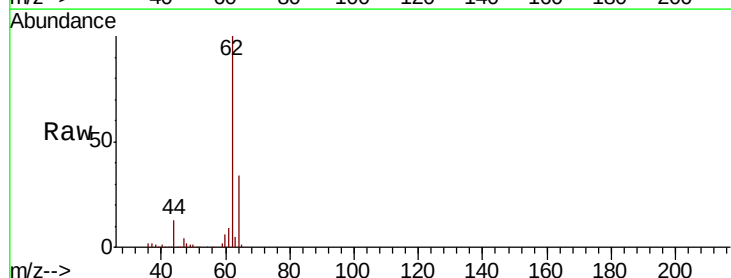
Acq: 12 Oct 2018 17:51

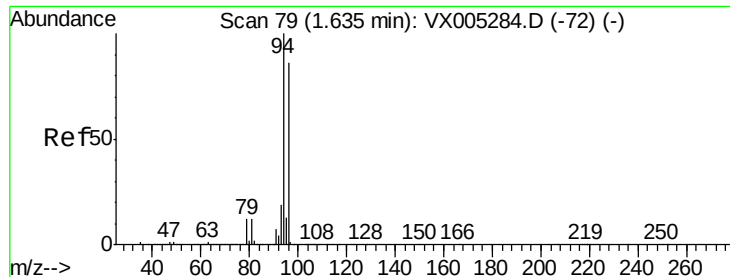
Tgt Ion: 62 Resp: 28392

Ion Ratio Lower Upper

62 100

64 33.5 25.8 38.8





#5

Bromomethane

Concen: 10.272 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

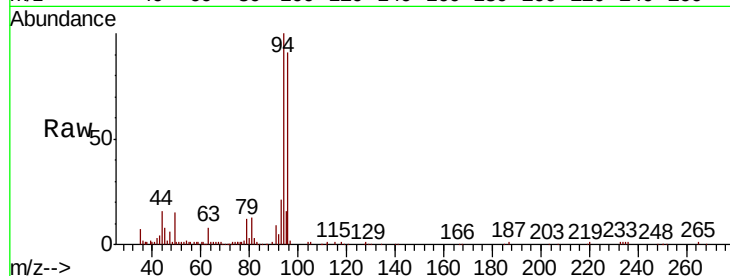
LOQ-WATER-02-QT4-2018

Tot Ion: 94 Resp: 16330

Ion Ratio Lower Upper

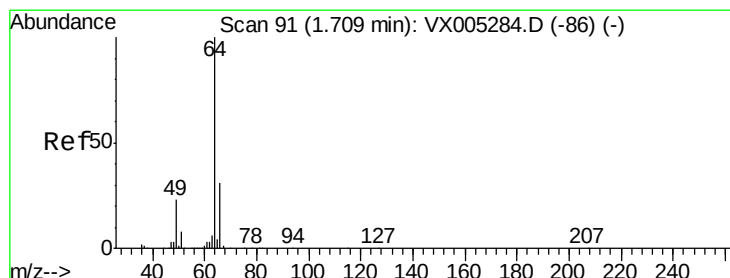
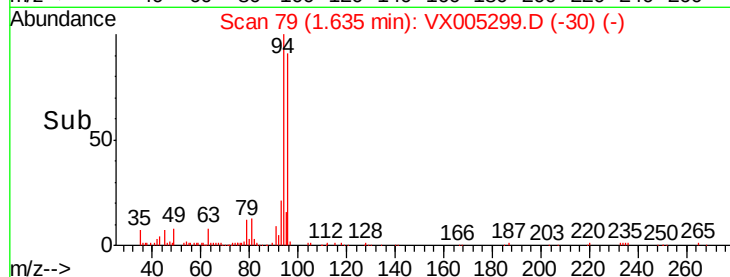
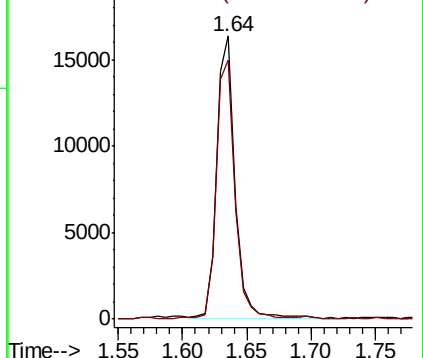
94 100

96 91.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 9.878 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005299.D

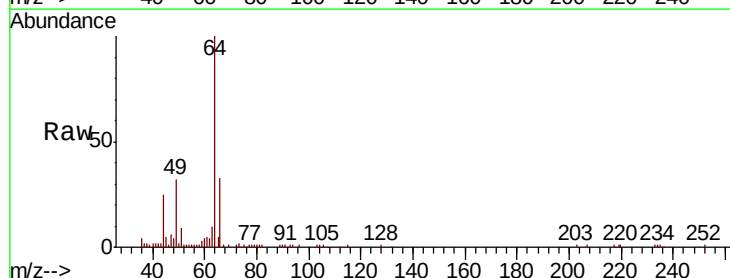
Acq: 12 Oct 2018 17:51

Tgt Ion: 64 Resp: 18107

Ion Ratio Lower Upper

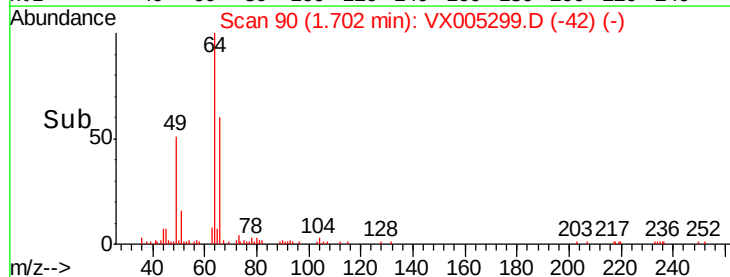
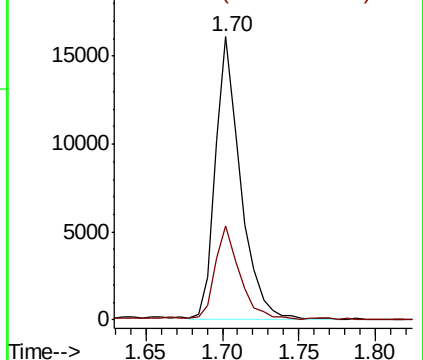
64 100

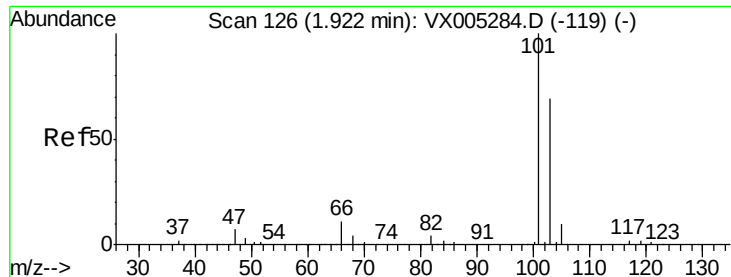
66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



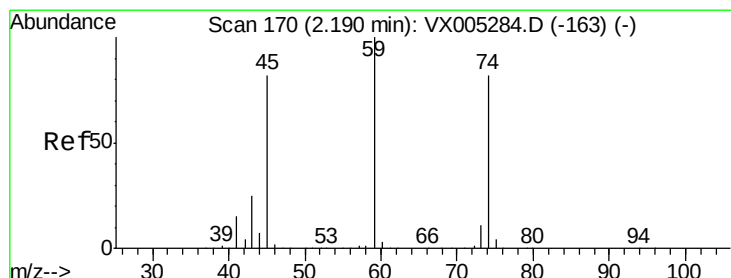
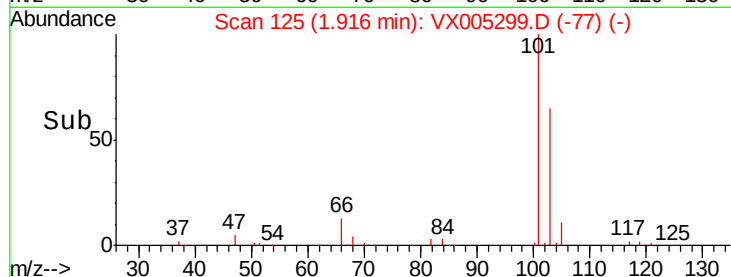
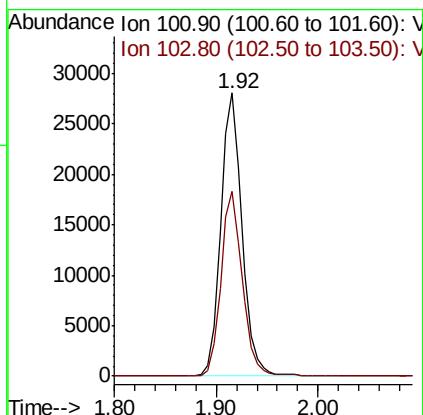
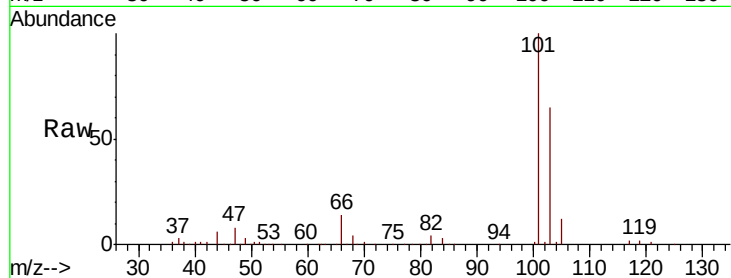


#7

Trichlorofluoromethane
 Concen: 10.384 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

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

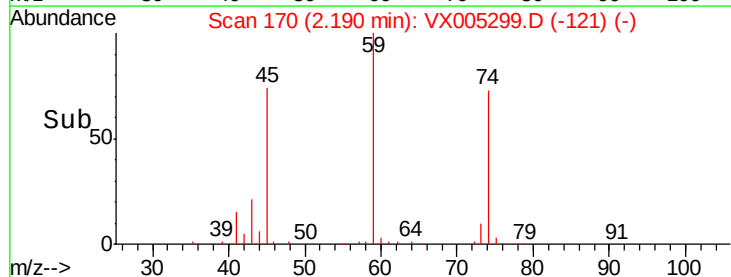
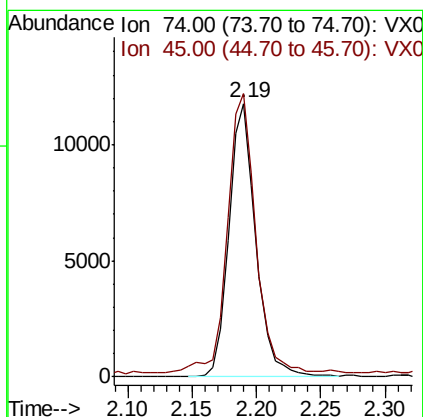
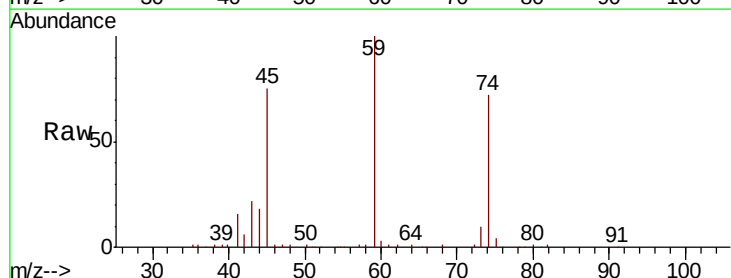
Tot Ion:101 Resp: 40874
 Ion Ratio Lower Upper
 101 100
 103 65.5 48.9 73.3

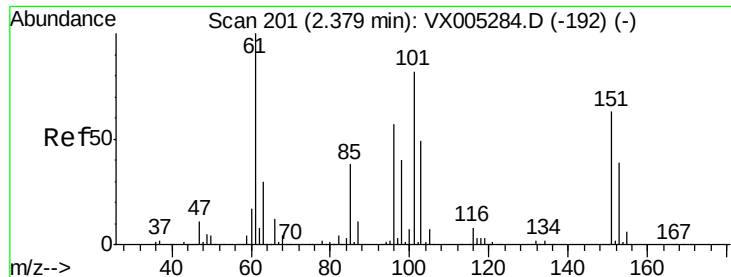


#8

Diethyl Ether
 Concen: 10.227 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion: 74 Resp: 17191
 Ion Ratio Lower Upper
 74 100
 45 107.8 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.202 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

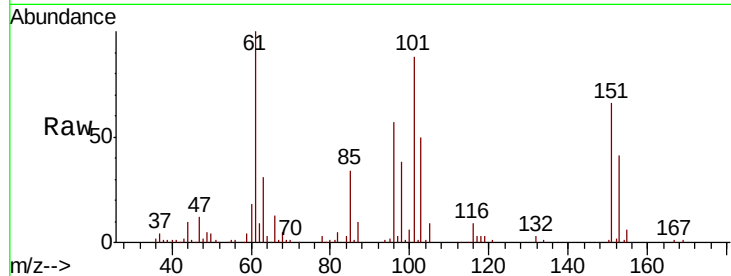
Tot Ion:101 Resp: 25452

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

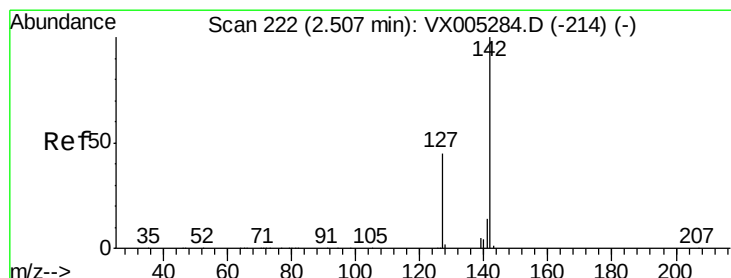
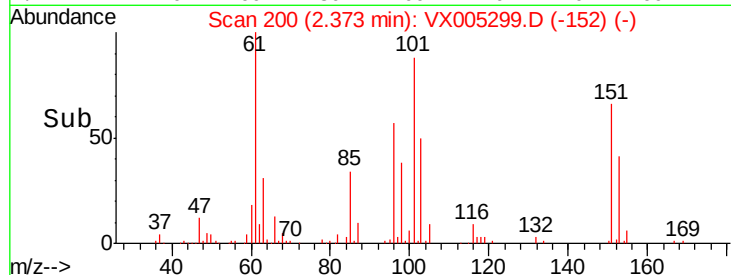
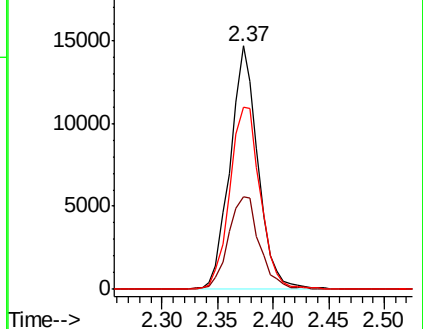
151 82.3 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.221 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

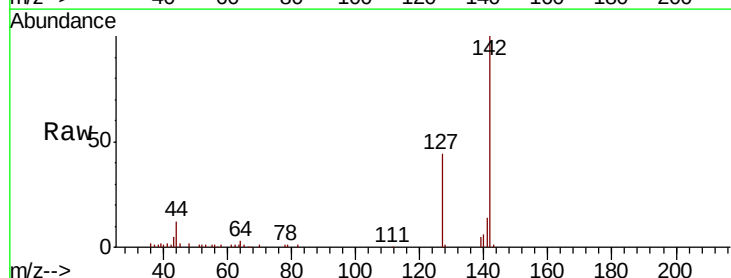
Tgt Ion:142 Resp: 20272

Ion Ratio Lower Upper

142 100

127 44.9 33.8 50.6

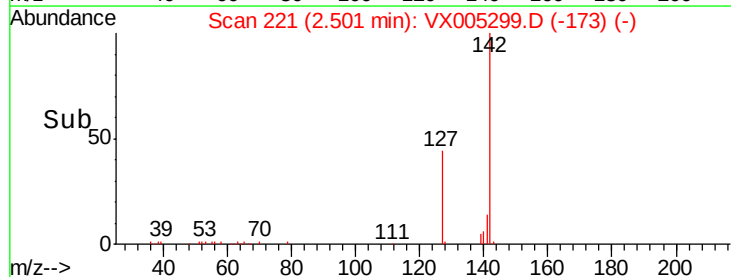
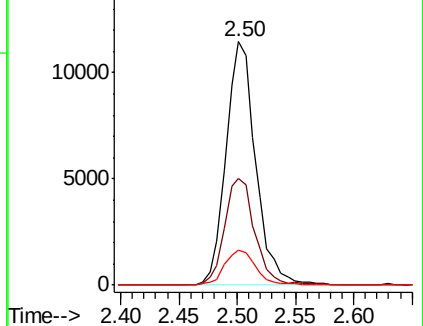
141 15.0 11.4 17.0

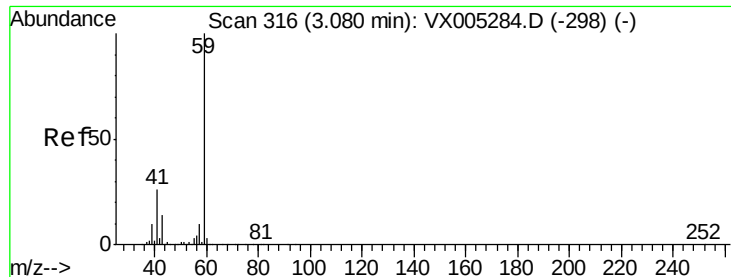


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



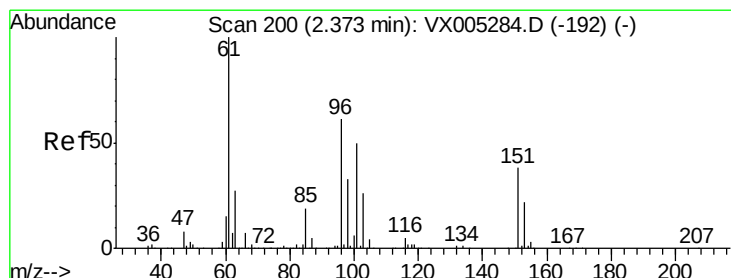
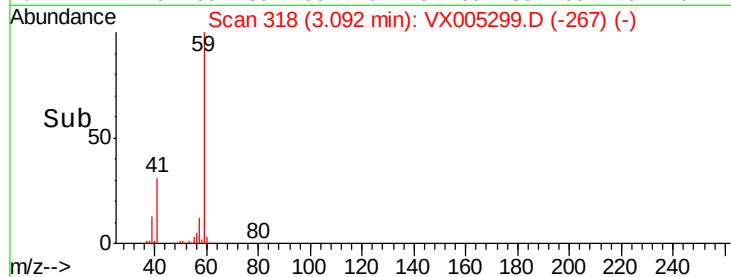
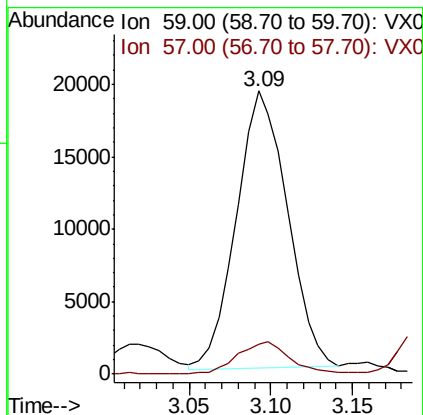
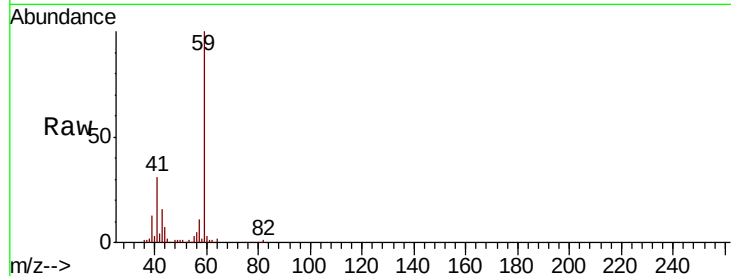


#11

Tert butyl alcohol
 Concen: 51.633 ug/l
 RT: 3.09 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

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

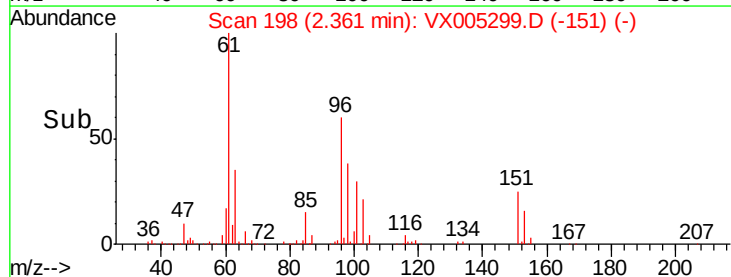
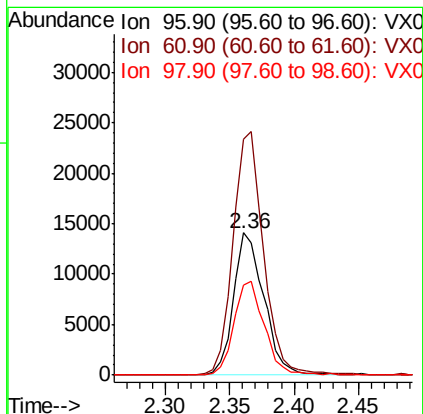
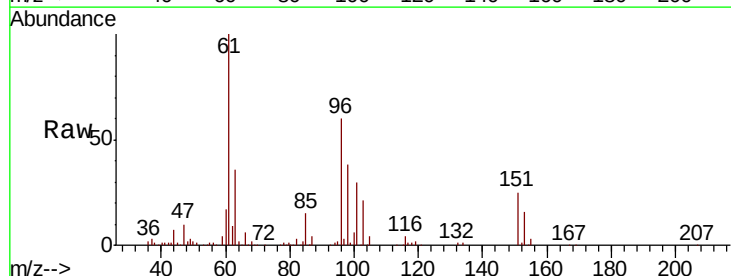
Tot Ion: 59 Resp: 41547
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.2 12.4

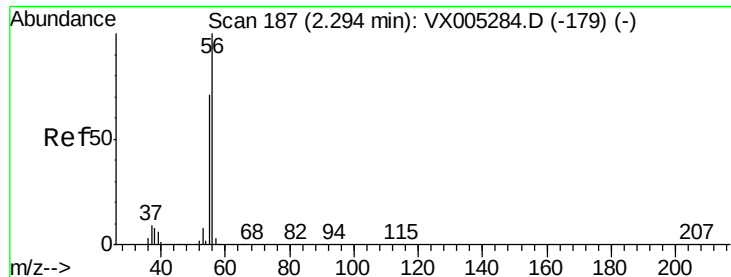


#12

1,1-Dichloroethene
 Concen: 10.288 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion: 96 Resp: 23159
 Ion Ratio Lower Upper
 96 100
 61 165.8 128.8 193.2
 98 63.0 52.2 78.2





#13

Acrolein

Concen: 60.350 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

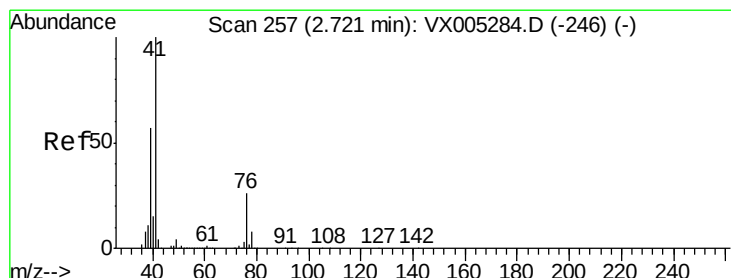
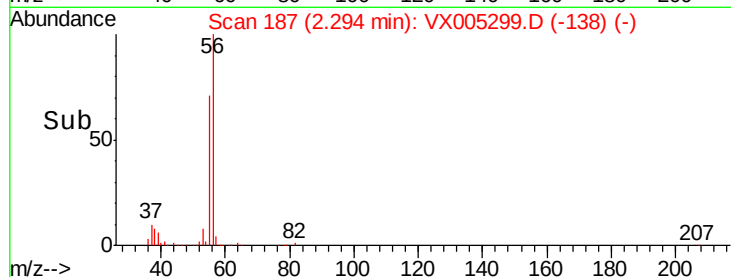
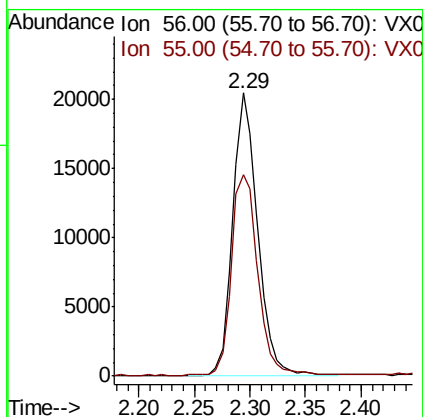
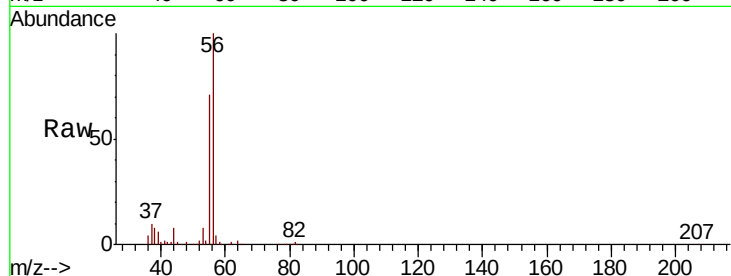
LOQ-WATER-02-QT4-2018

Tot Ion: 56 Resp: 31831

Ion Ratio Lower Upper

56 100

55 76.2 54.7 82.1



#14

Allyl chloride

Concen: 10.370 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

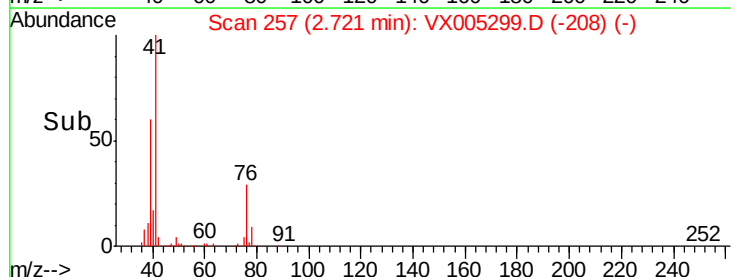
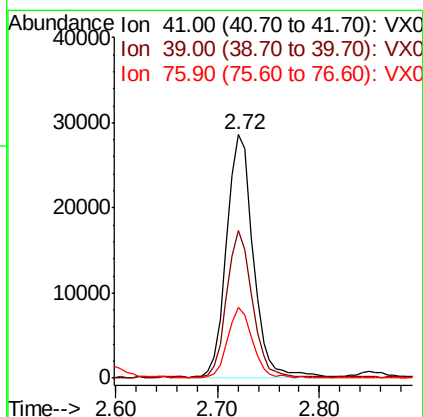
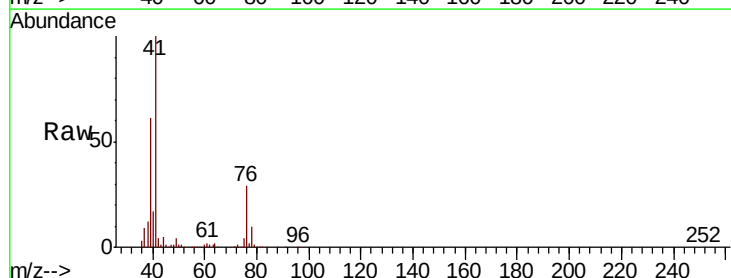
Tgt Ion: 41 Resp: 51251

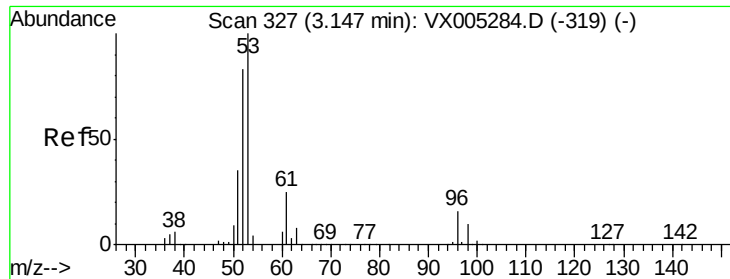
Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

76 27.0 26.7 40.1





#15

Acrylonitrile

Concen: 53.365 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

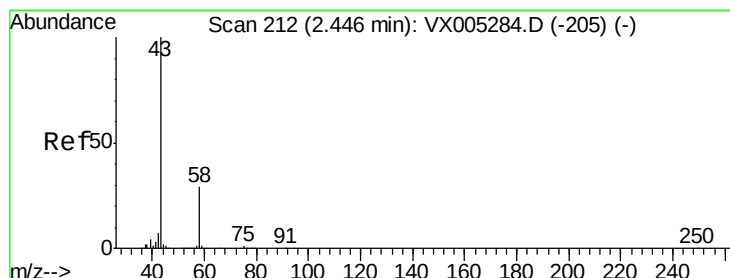
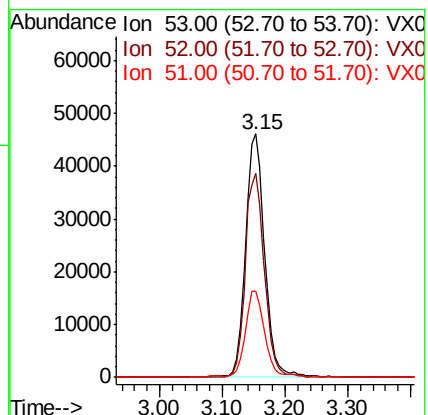
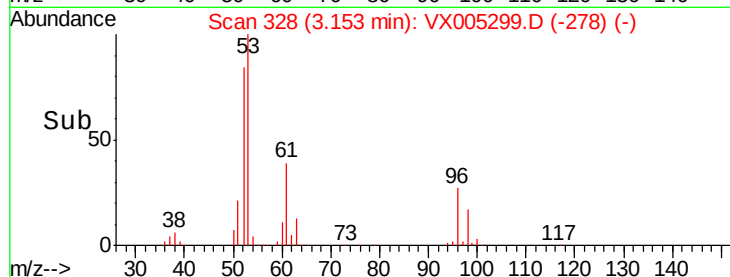
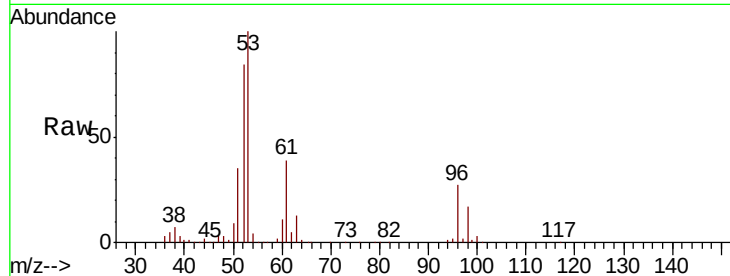
Tot Ion: 53 Resp: 97308

Ion Ratio Lower Upper

53 100

52 82.2 65.2 97.8

51 35.0 28.2 42.2



#16

Acetone

Concen: 54.343 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005299.D

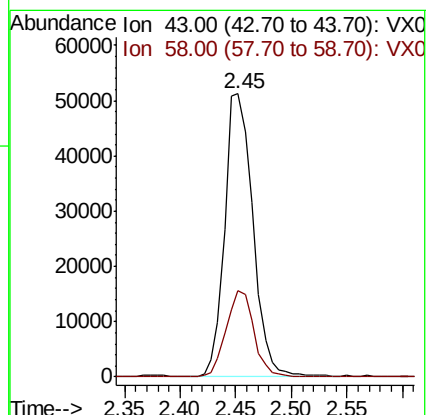
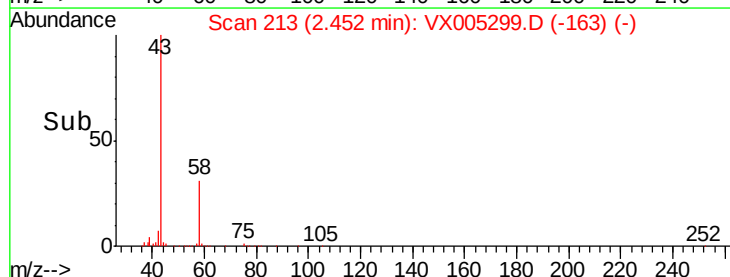
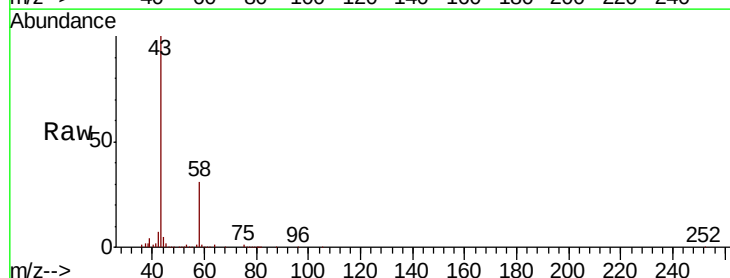
Acq: 12 Oct 2018 17:51

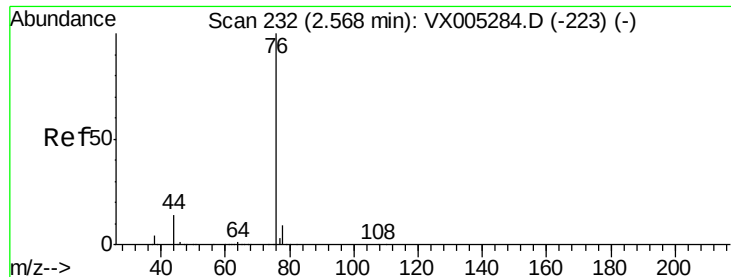
Tgt Ion: 43 Resp: 89629

Ion Ratio Lower Upper

43 100

58 30.6 26.2 39.4





#17

Carbon Disulfide

Concen: 10.059 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

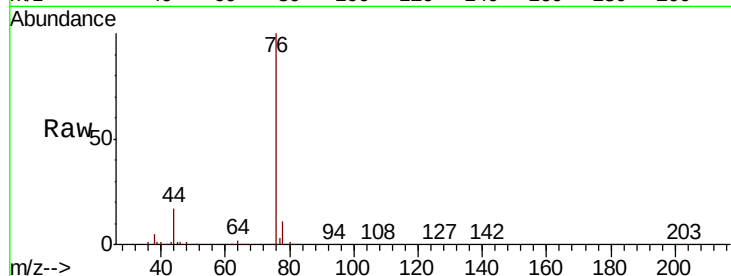
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 68598

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

30000

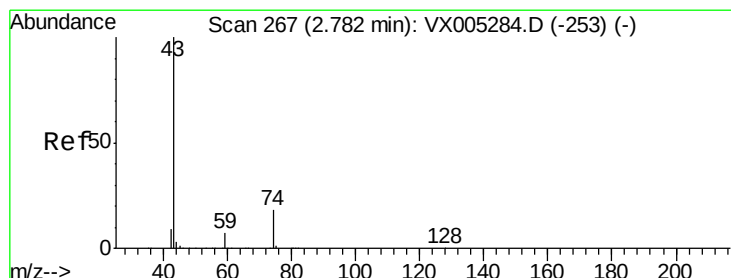
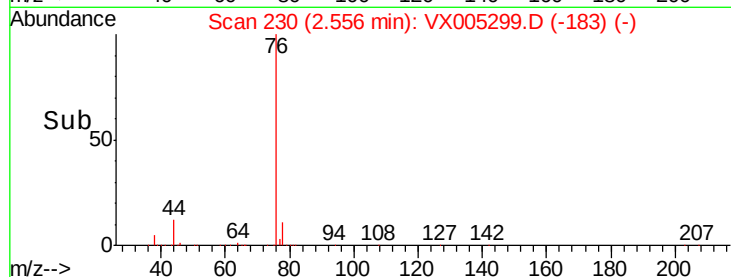
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 10.770 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005299.D

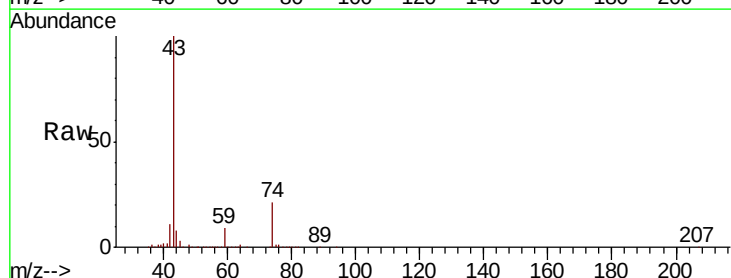
Acq: 12 Oct 2018 17:51

Tgt Ion: 43 Resp: 50538

Ion Ratio Lower Upper

43 100

74 21.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

25000

20000

15000

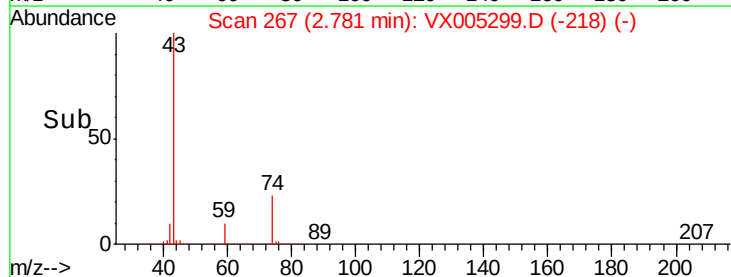
10000

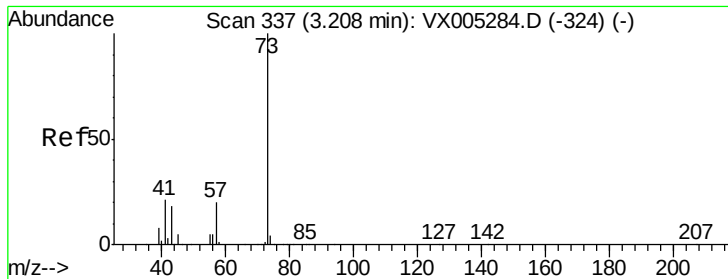
5000

0

Time-->

2.70 2.75 2.80 2.85 2.90

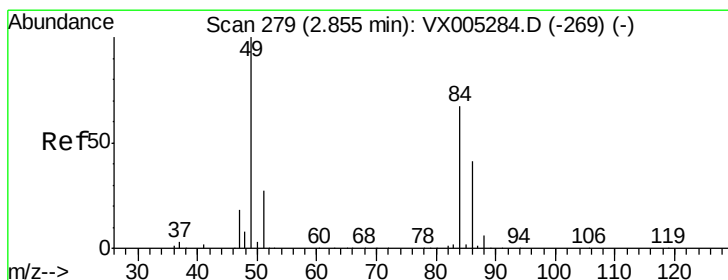
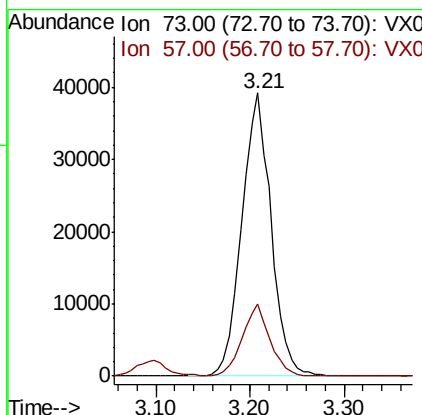
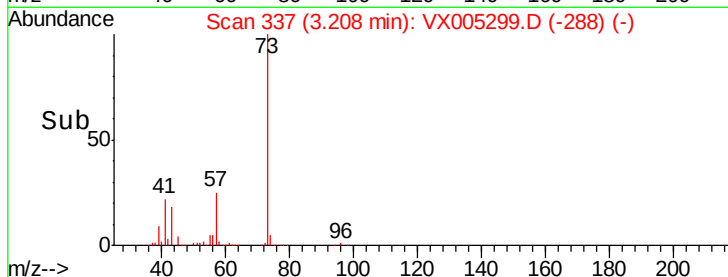
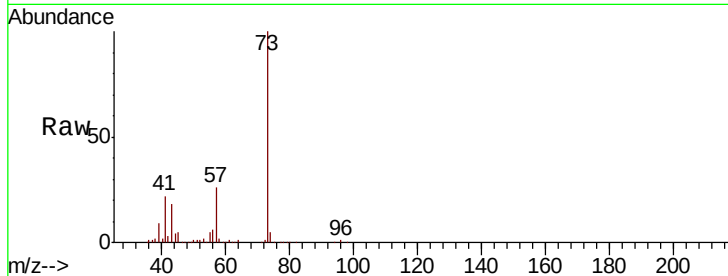




#19
Methyl tert-butyl Ether
Concen: 10.782 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

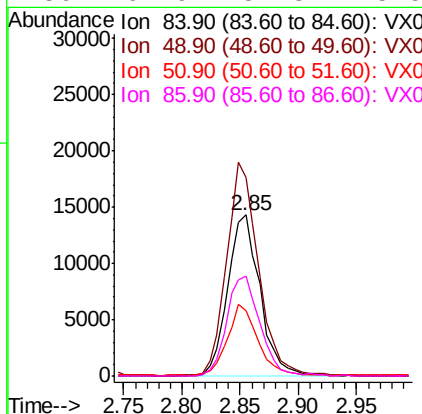
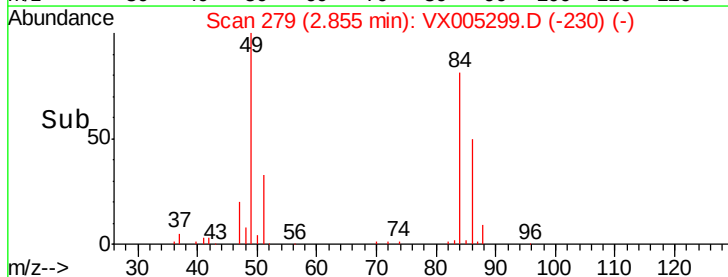
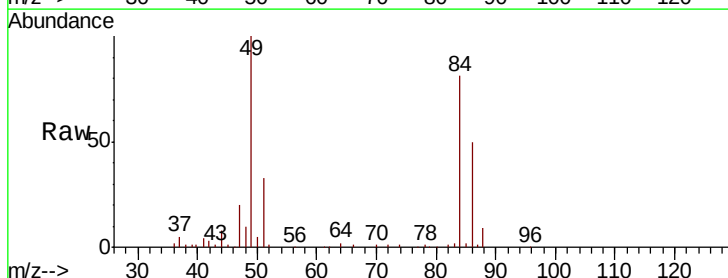
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

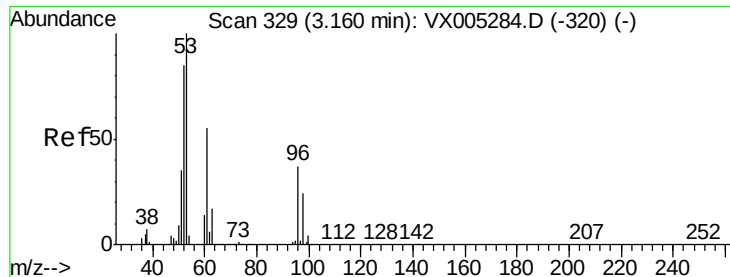
Tot Ion: 73 Resp: 85481
Ion Ratio Lower Upper
73 100
57 25.3 17.1 25.7



#20
Methylene Chloride
Concen: 10.397 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 84 Resp: 27476
Ion Ratio Lower Upper
84 100
49 123.2 101.2 151.8
51 40.4 29.5 44.3
86 61.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 10.323 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

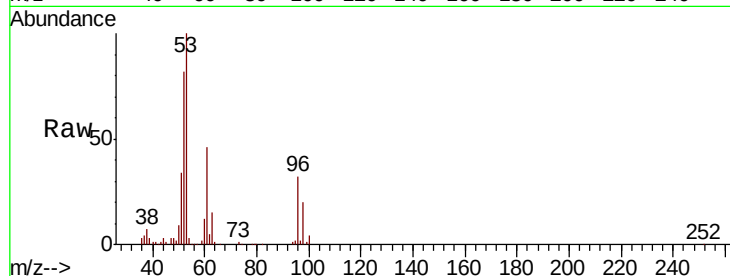
Tot Ion: 96 Resp: 25754

Ion Ratio Lower Upper

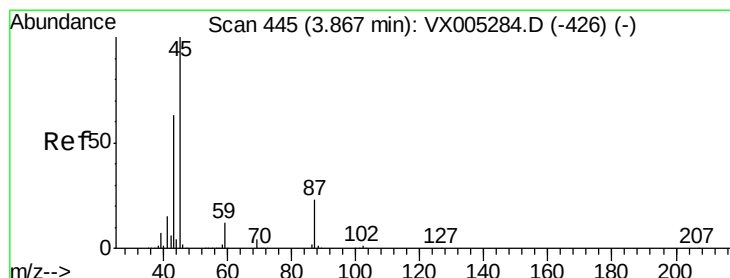
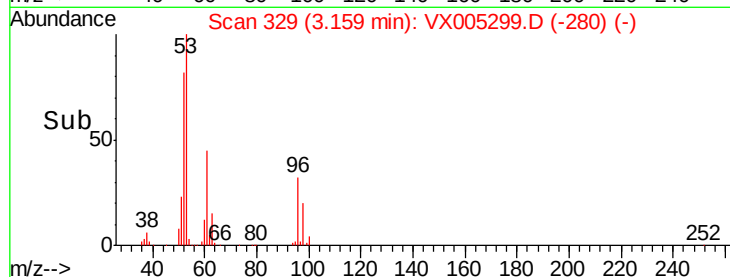
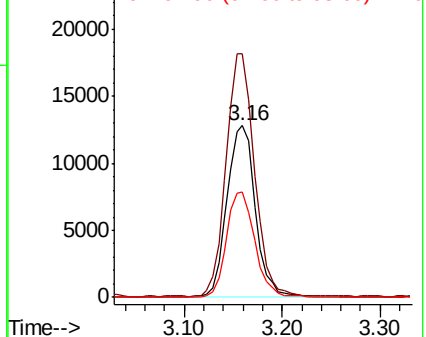
96 100

61 141.5 113.8 170.6

98 61.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 9.927 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Tgt Ion: 45 Resp: 82411

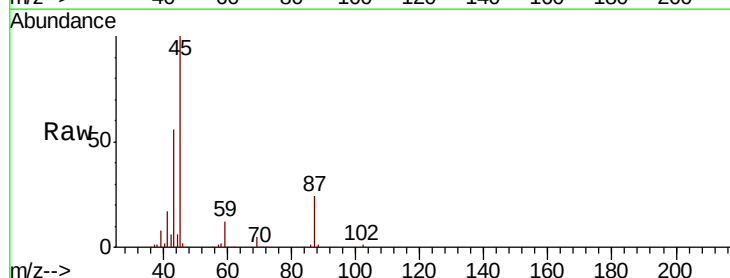
Ion Ratio Lower Upper

45 100

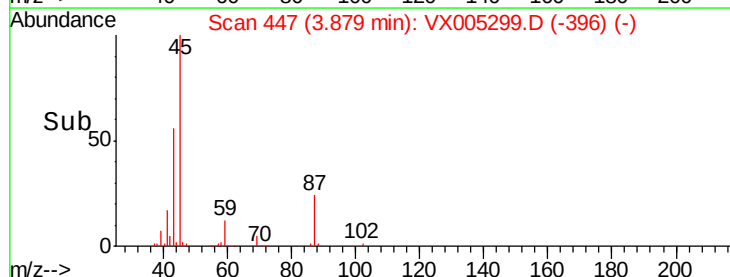
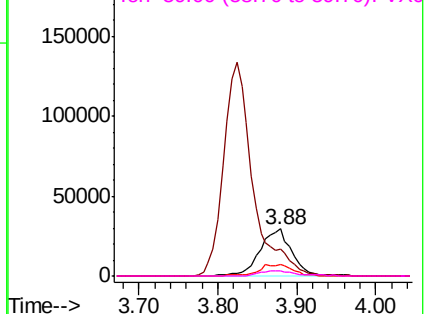
43 55.6 42.8 64.2

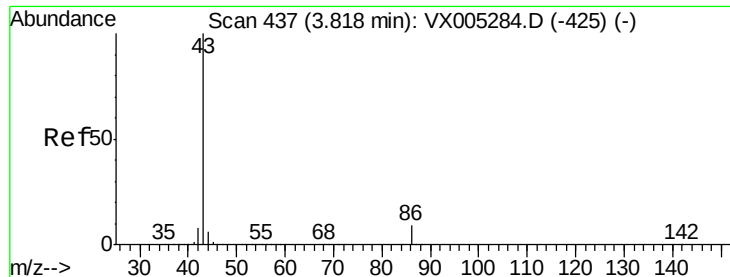
87 24.2 22.6 34.0

59 11.5 9.6 14.4



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





#23

Vinyl Acetate

Concen: 47.945 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

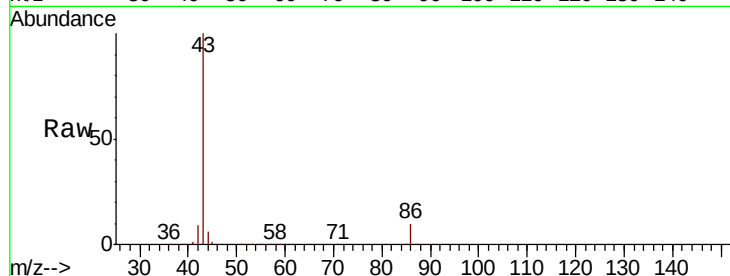
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 347872

Ion Ratio Lower Upper

43 100

86 9.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

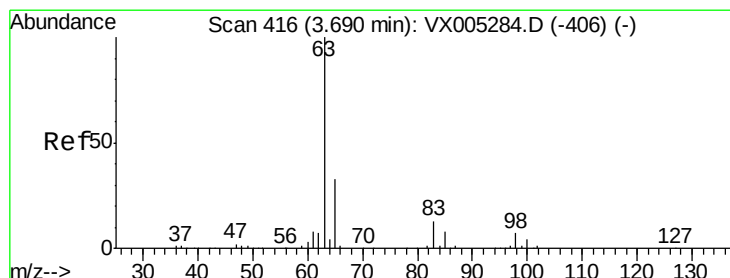
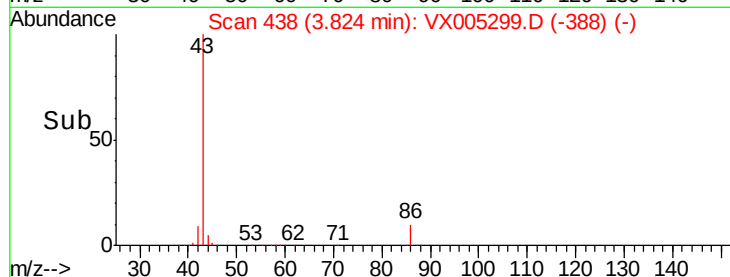
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 10.268 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

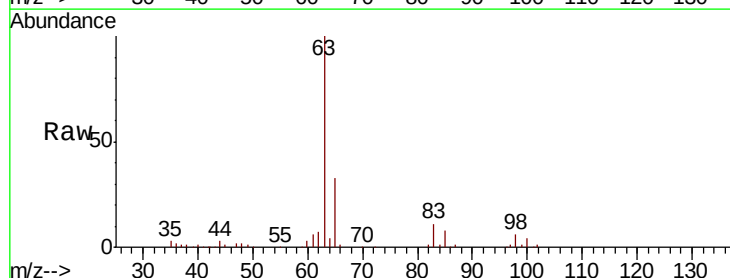
Tgt Ion: 63 Resp: 48849

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

100 3.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

30000

25000

20000

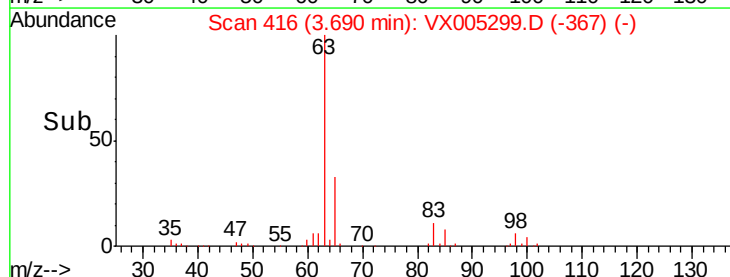
15000

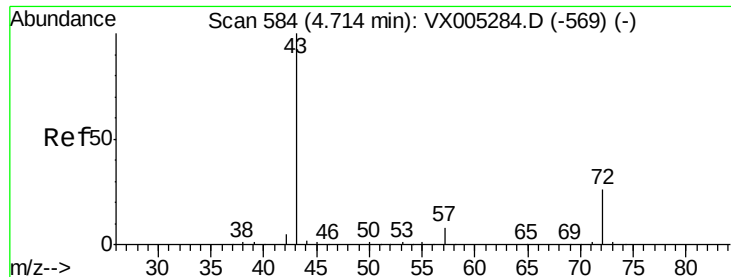
10000

5000

0

Time-->





#25

2-Butanone

Concen: 52.154 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

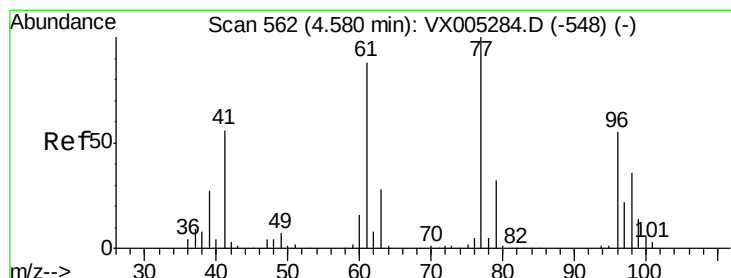
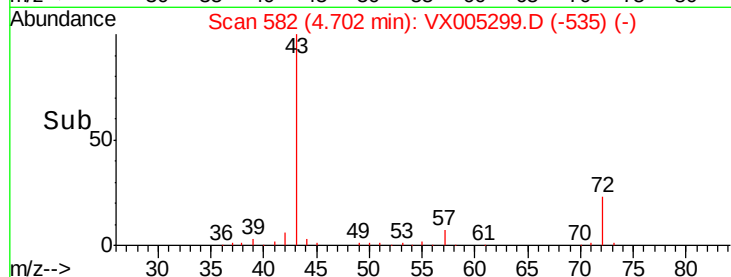
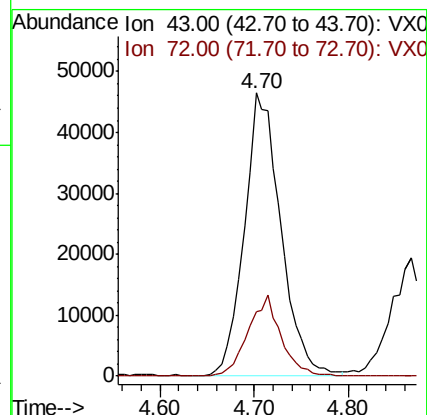
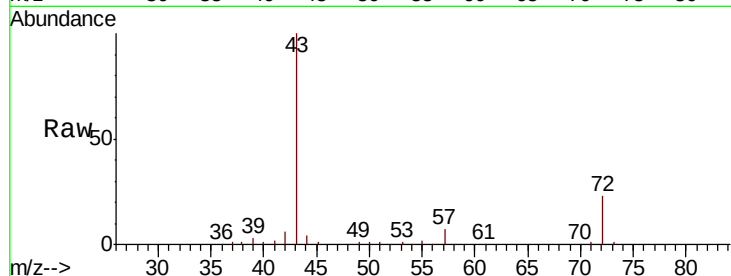
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 125855

Ion Ratio Lower Upper

43 100

72 22.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 9.122 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005299.D

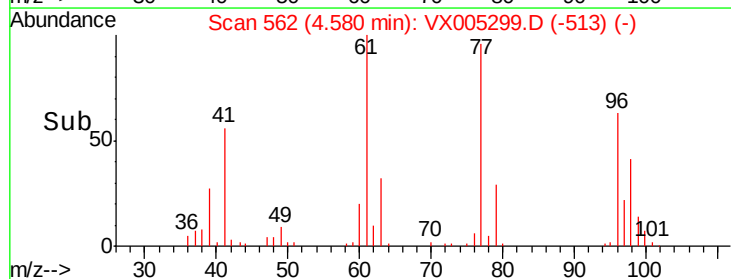
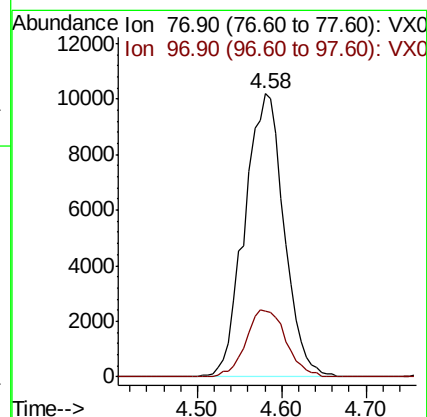
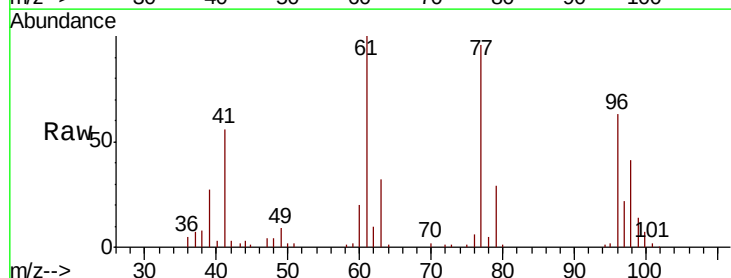
Acq: 12 Oct 2018 17:51

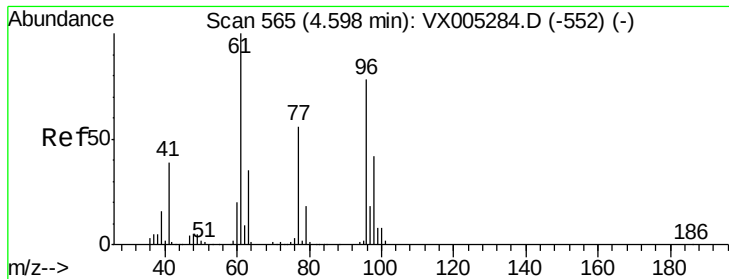
Tgt Ion: 77 Resp: 32457

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



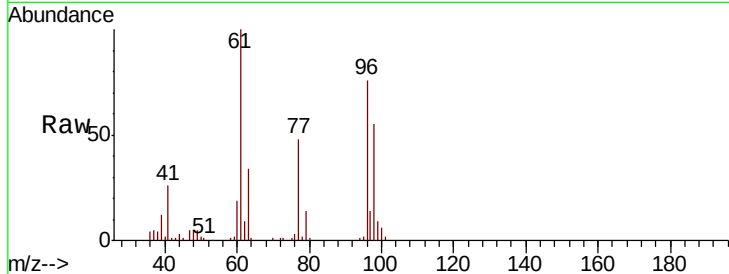


#27

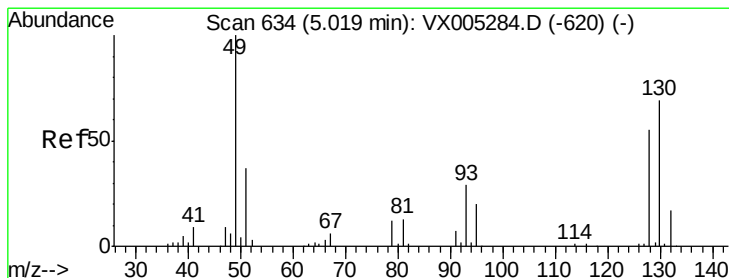
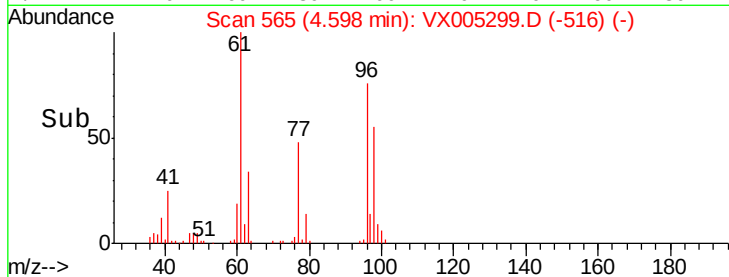
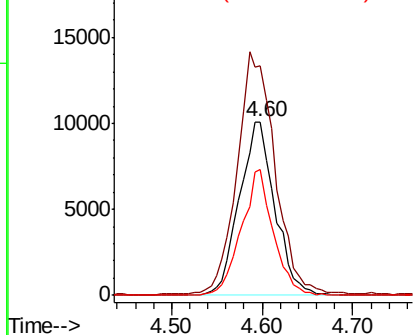
cis-1,2-Dichloroethene
Concen: 10.086 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion: 96 Resp: 27346
Ion Ratio Lower Upper
96 100
61 152.3 0.0 282.6
98 65.1 0.0 130.2



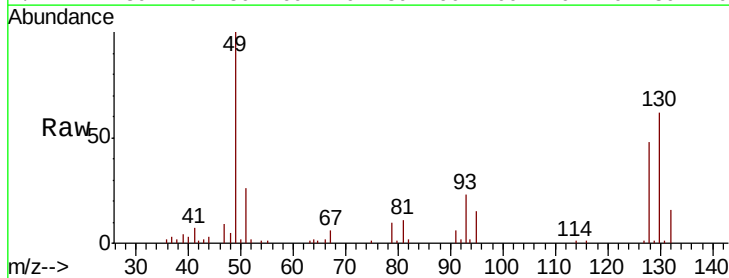
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



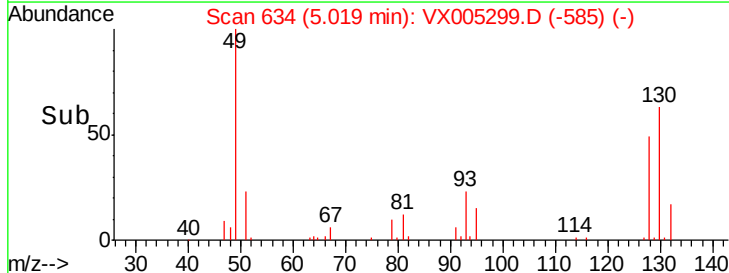
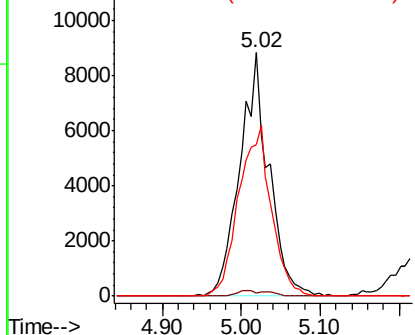
#28

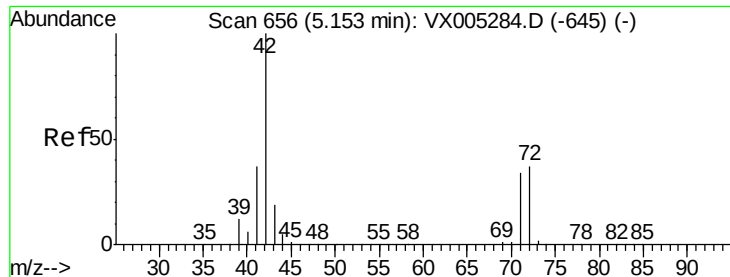
Bromochloromethane
Concen: 10.415 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 49 Resp: 22589
Ion Ratio Lower Upper
49 100
129 1.4 0.0 4.2
130 77.9 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 54.548 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

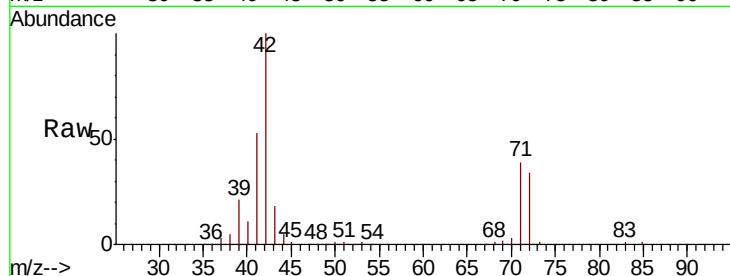
Tot Ion: 42 Resp: 83965

Ion Ratio Lower Upper

42 100

72 39.8 37.4 56.0

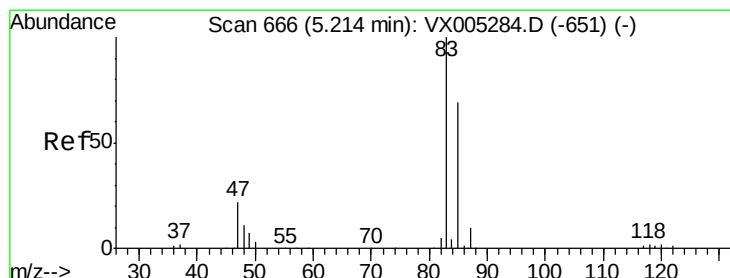
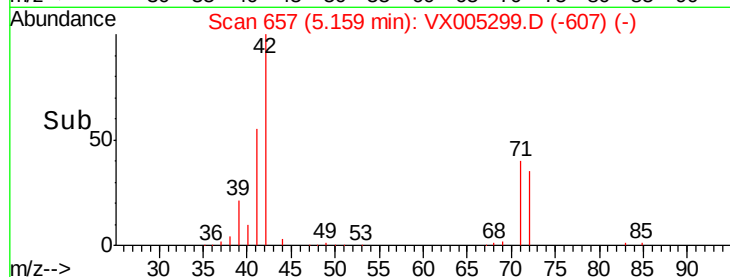
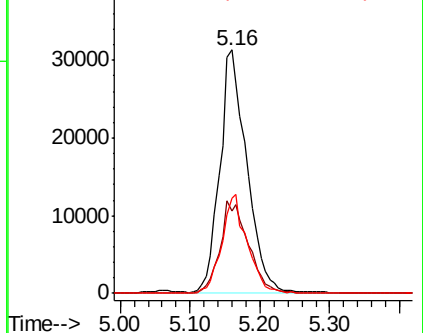
71 38.2 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 10.341 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005299.D

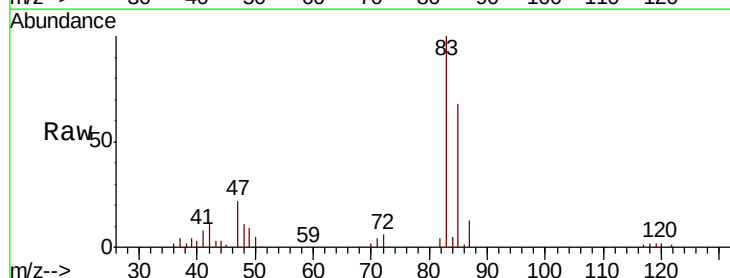
Acq: 12 Oct 2018 17:51

Tgt Ion: 83 Resp: 45663

Ion Ratio Lower Upper

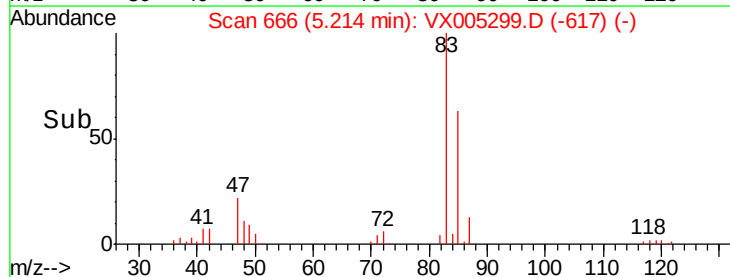
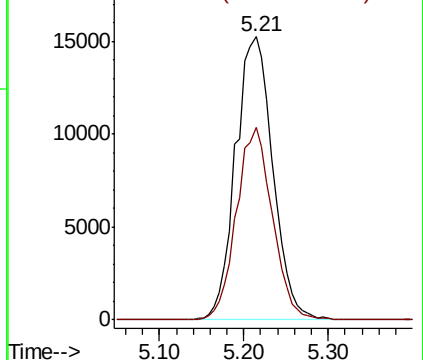
83 100

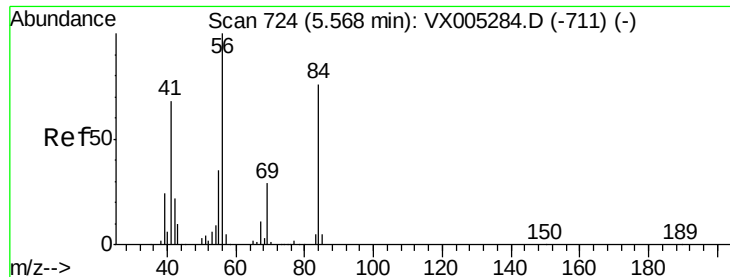
85 68.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

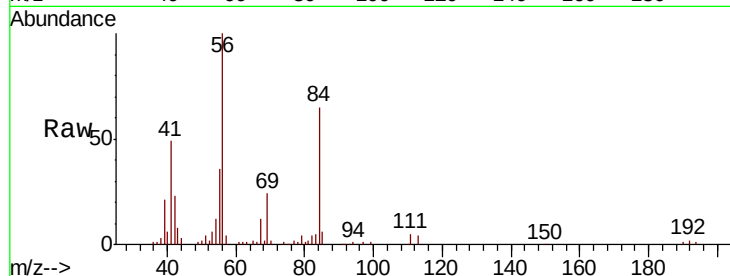




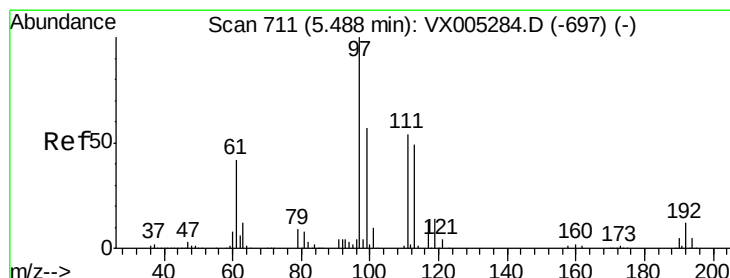
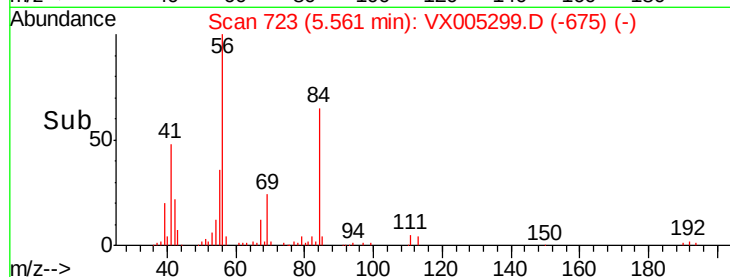
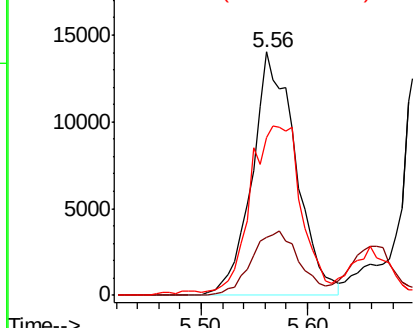
#31
Cyclohexane
Concen: 10.235 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion: 56 Resp: 40132
Ion Ratio Lower Upper
56 100
69 23.7 25.4 38.2#
84 62.8 71.4 107.2#

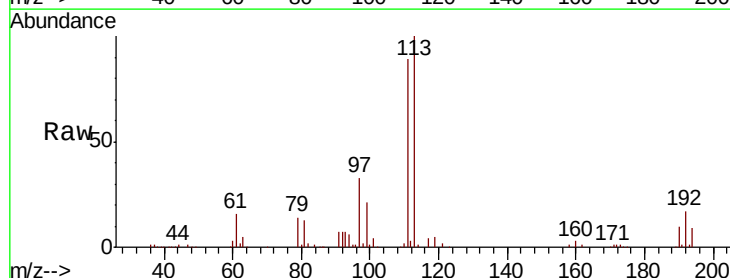


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

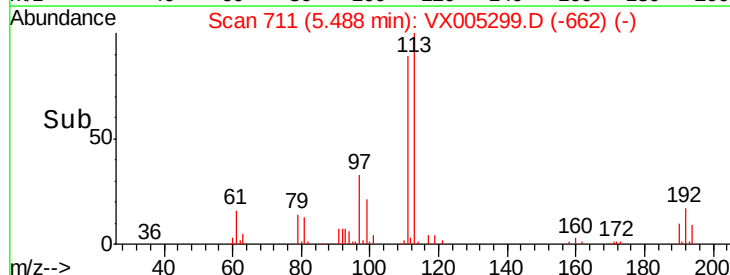
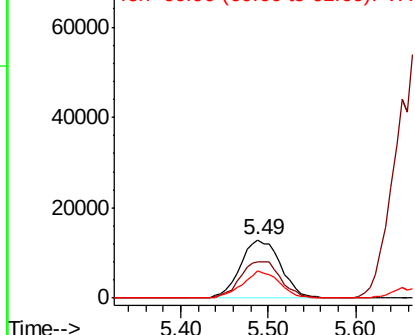


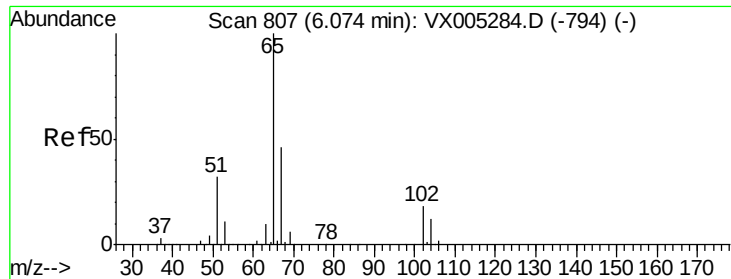
#32
1,1,1-Trichloroethane
Concen: 10.693 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 97 Resp: 41085
Ion Ratio Lower Upper
97 100
99 63.8 52.0 78.0
61 43.0 34.9 52.3



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: 53.856 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

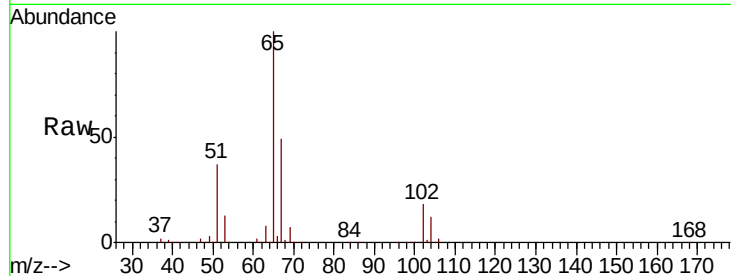
LOQ-WATER-02-QT4-2018

Tot Ion: 65 Resp: 153629

Ion Ratio Lower Upper

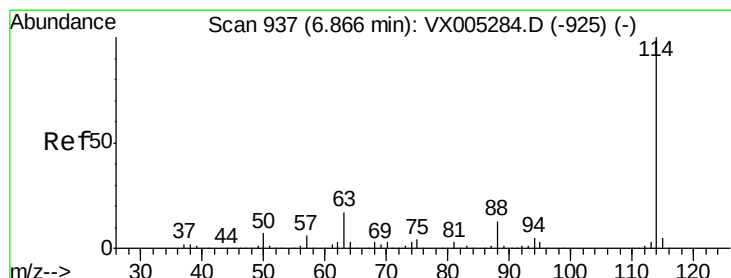
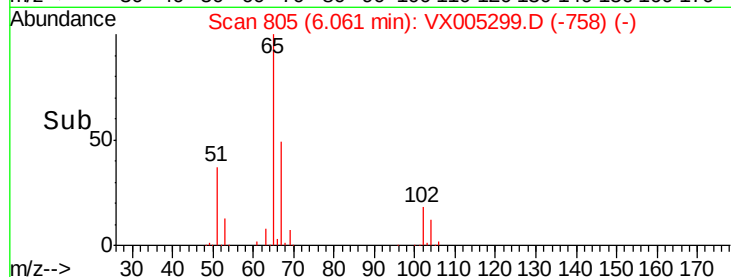
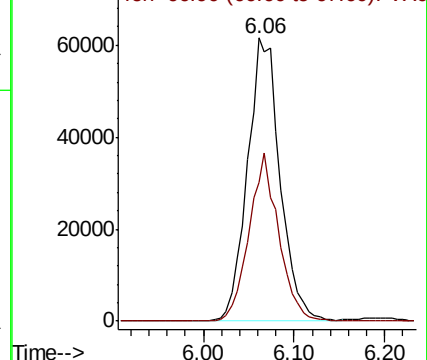
65 100

67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

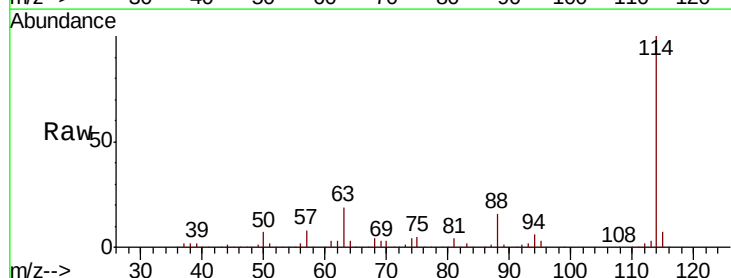
Tgt Ion: 114 Resp: 374378

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

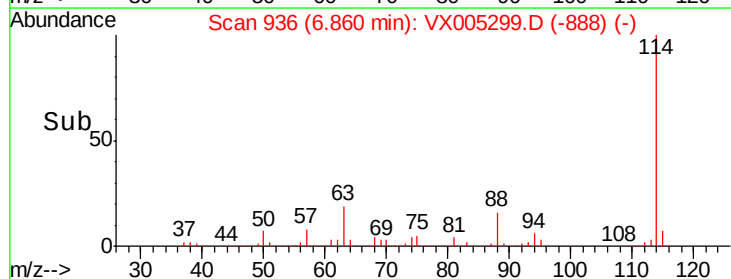
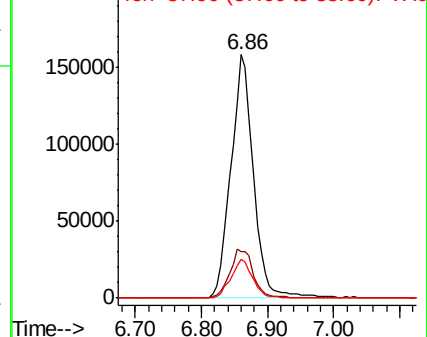
88 16.1 0.0 30.4

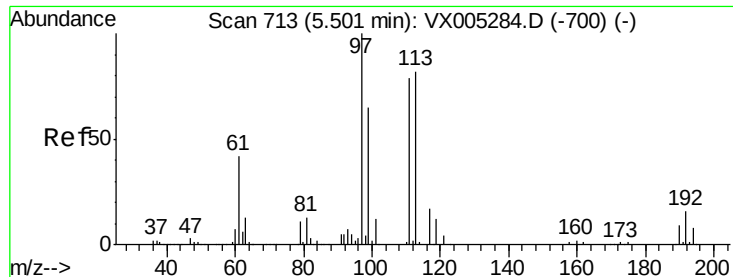


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.909 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

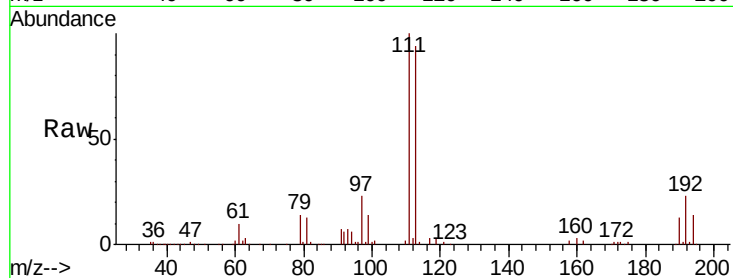
Tot Ion:113 Resp: 118796

Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

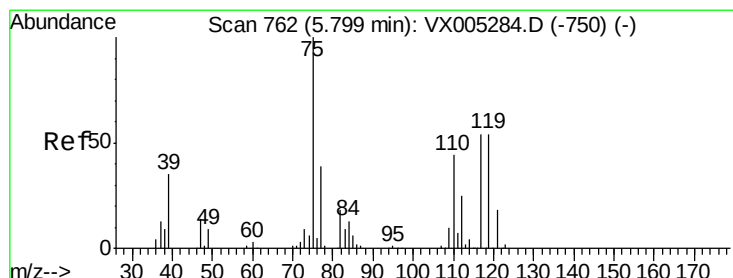
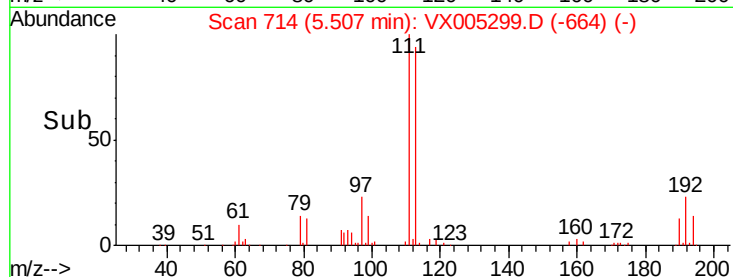
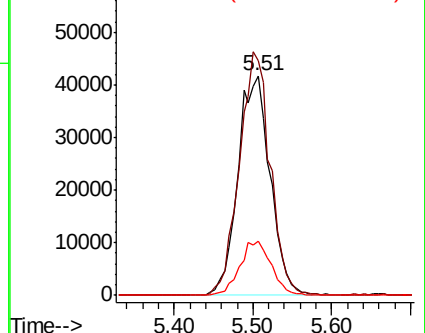
192 24.1 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.175 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

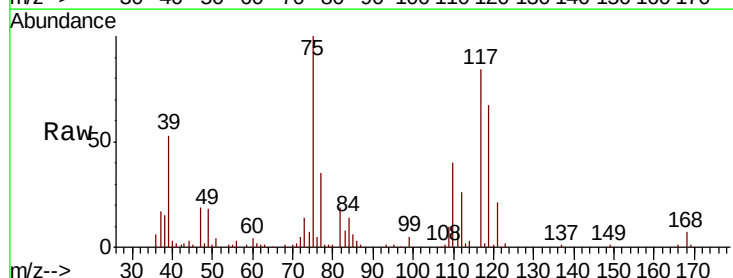
Tgt Ion: 75 Resp: 36894

Ion Ratio Lower Upper

75 100

110 34.7 18.0 54.0

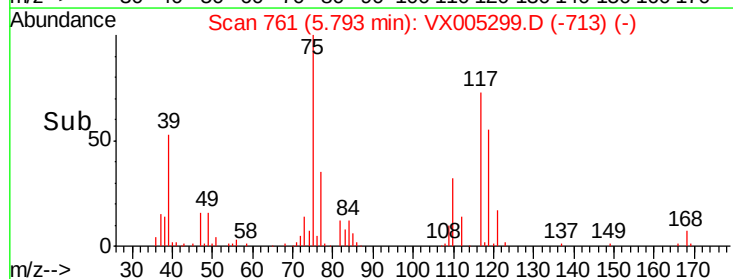
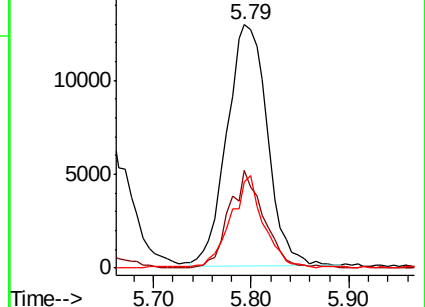
77 30.3 24.6 36.8

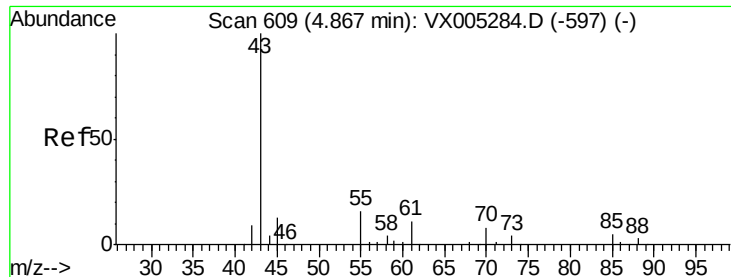


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

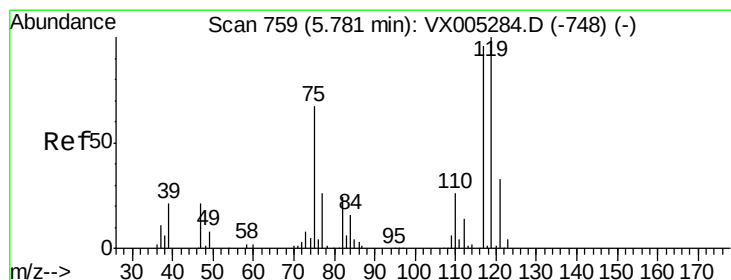
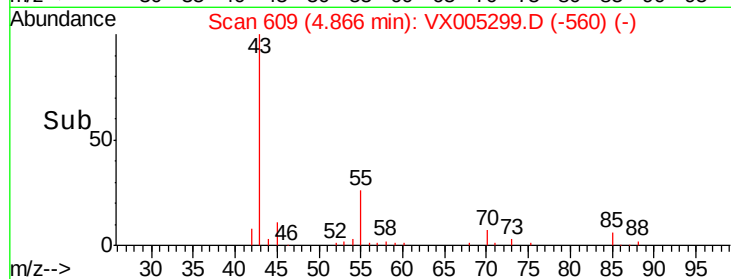
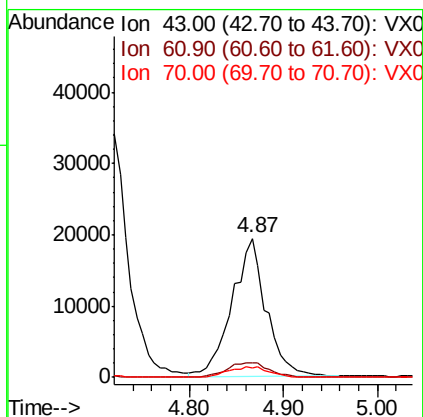
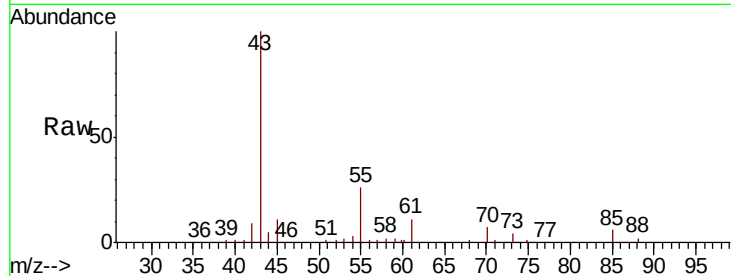




#37
Ethyl Acetate
Concen: 10.458 ug/l
RT: 4.87 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

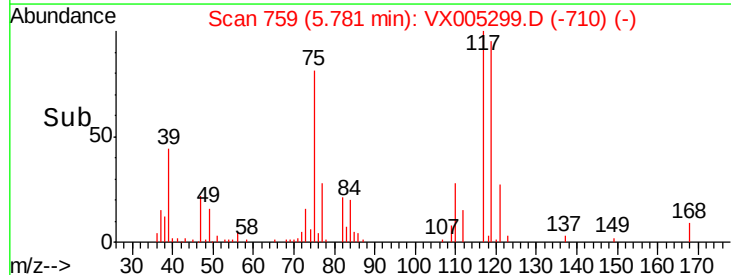
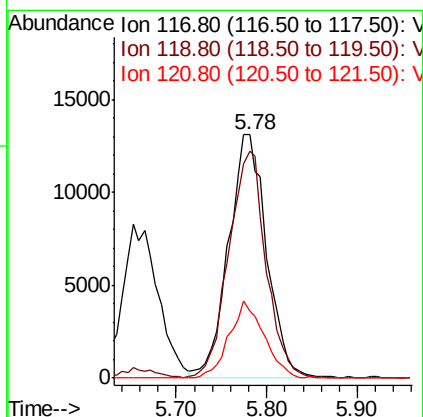
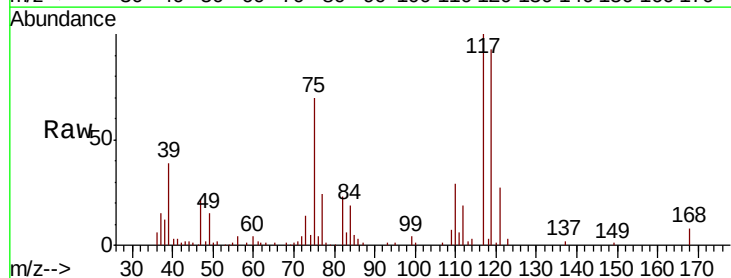
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

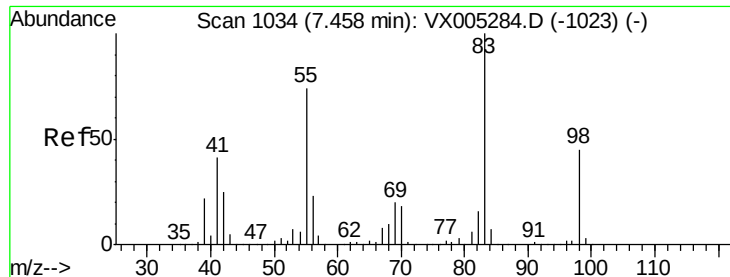
Tot Ion: 43 Resp: 48763
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 9.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 10.491 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 117 Resp: 38222
Ion Ratio Lower Upper
117 100
119 93.3 78.8 118.2
121 27.4 24.9 37.3

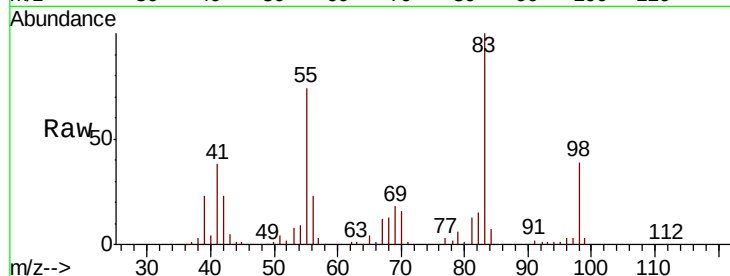




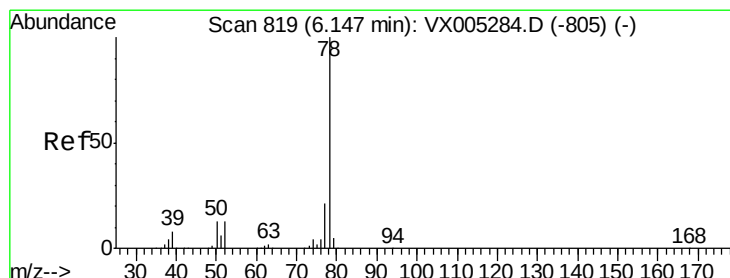
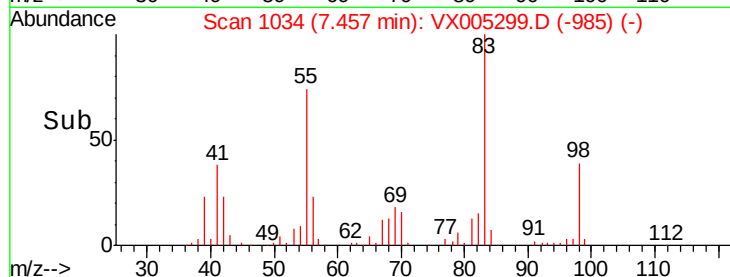
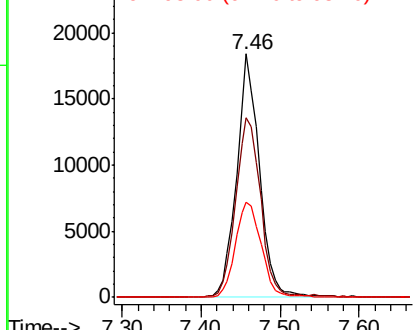
#39
Methylvlcyclohexane
Concen: 9.469 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion: 83 Resp: 37157
Ion Ratio Lower Upper
83 100
55 73.9 61.0 91.4
98 39.0 39.6 59.4#

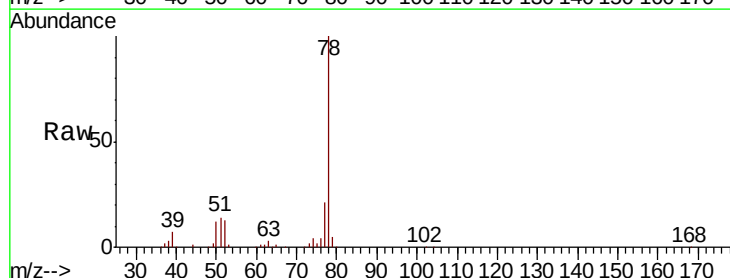


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

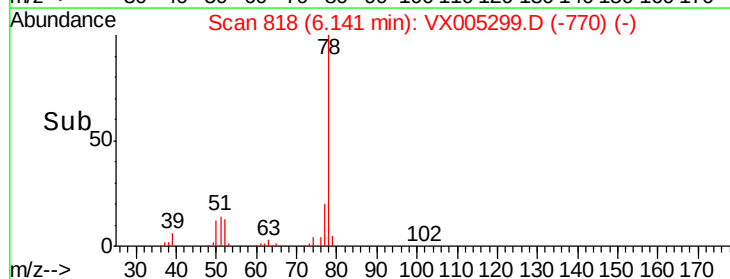
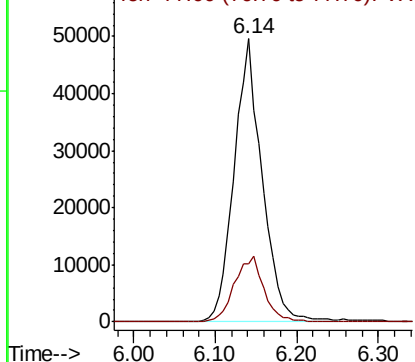


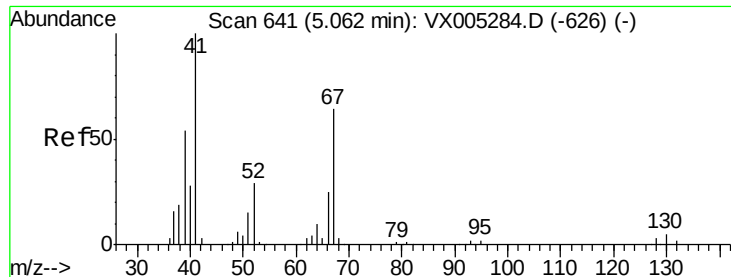
#40
Benzene
Concen: 10.847 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 78 Resp: 117976
Ion Ratio Lower Upper
78 100
77 20.6 19.0 28.4



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

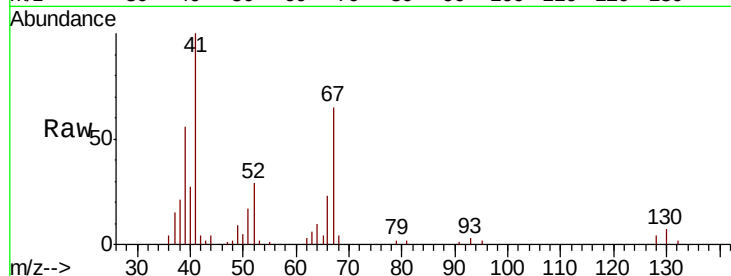




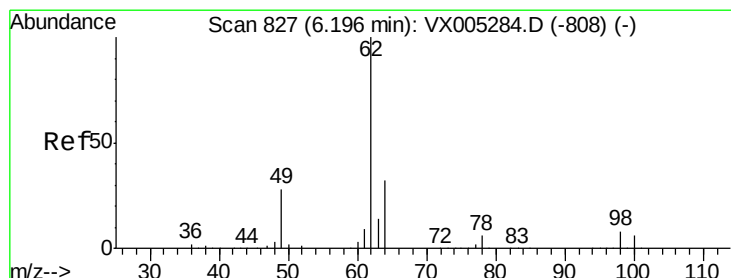
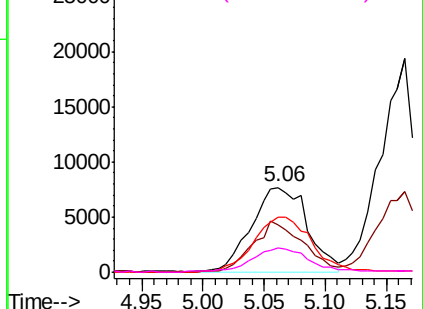
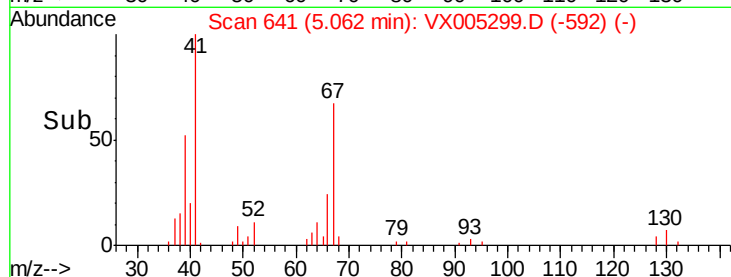
#41
Methacrylonitrile
Concen: 9.805 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion:	41	Resp:	24510
Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.4	63.6
67	67.7	59.2	88.8
52	29.1	23.0	34.4

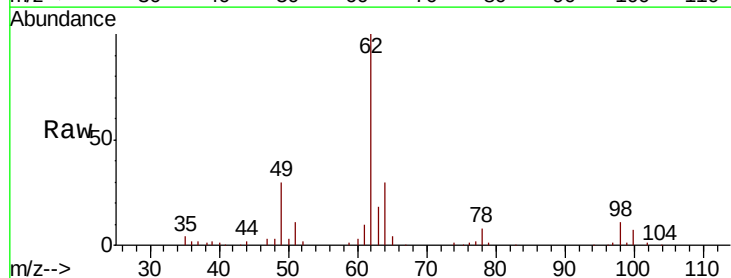


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

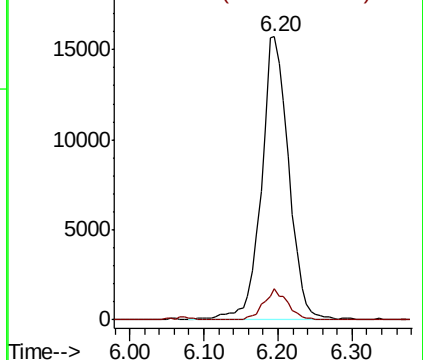
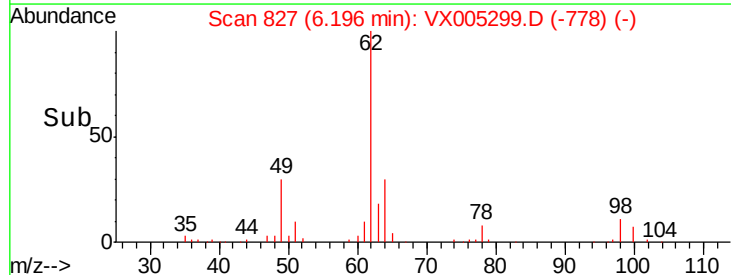


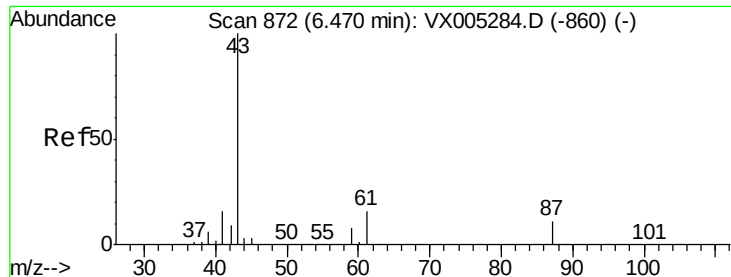
#42
1,2-Dichloroethane
Concen: 10.489 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:	62	Resp:	40284
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6



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



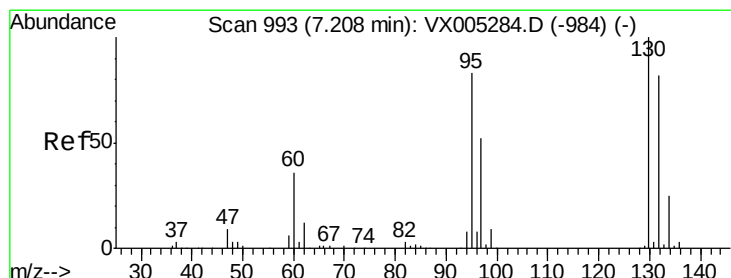
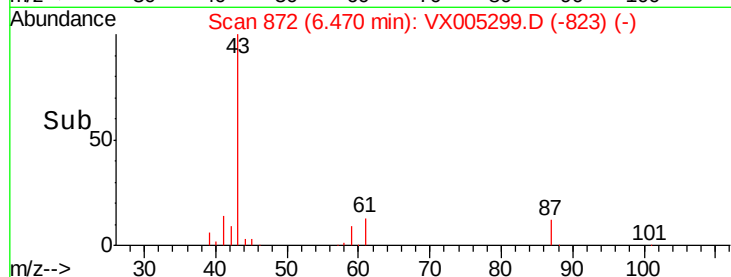
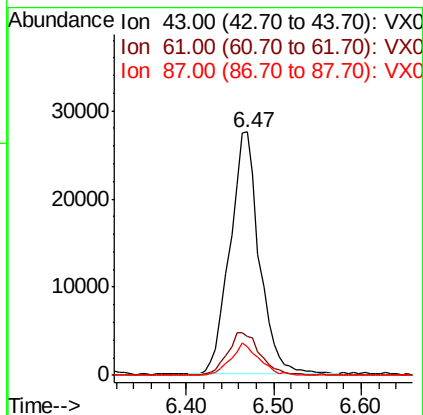
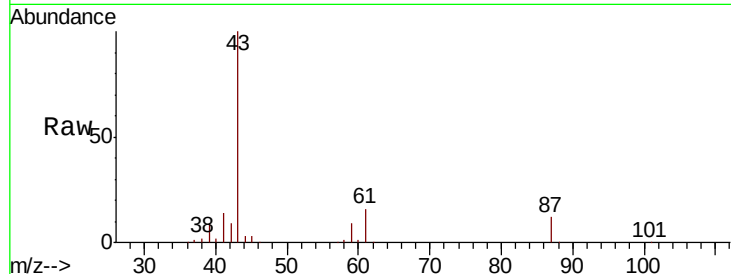


#43

Isopropyl Acetate
 Concen: 10.419 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

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

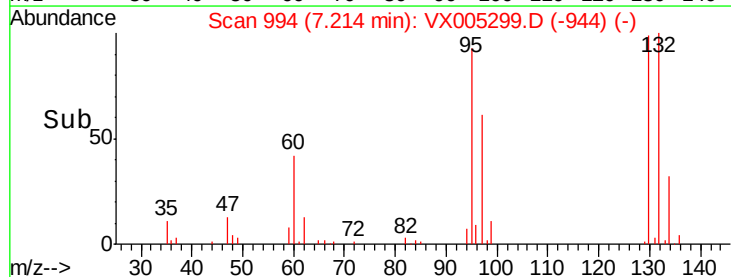
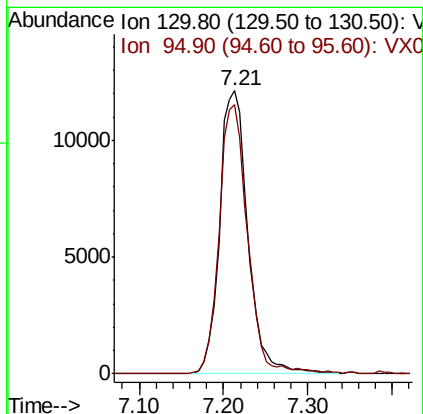
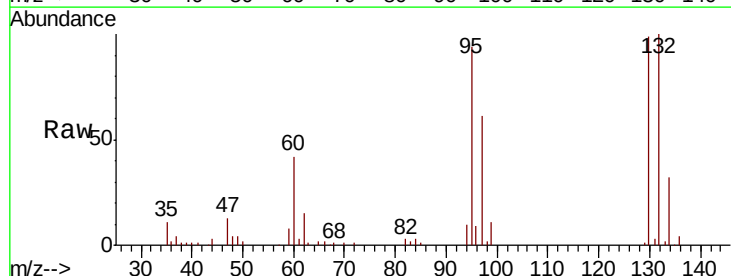
Tot Ion	43	61	87
Resp:	64716		
Ratio	100	19.6	12.7
Lower		17.0	11.4
Upper		25.4	17.2

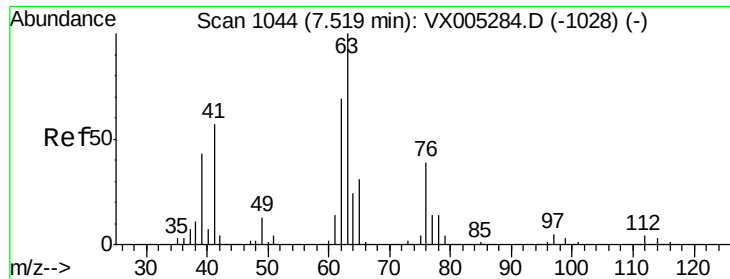


#44

Trichloroethene
 Concen: 9.558 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion	130	95
Resp:	27943	
Ratio	100	95.0
Lower		0.0
Upper		181.6

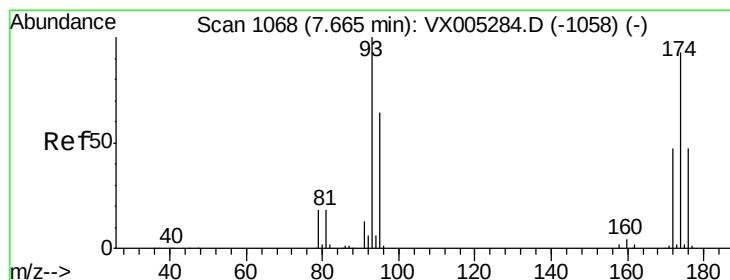
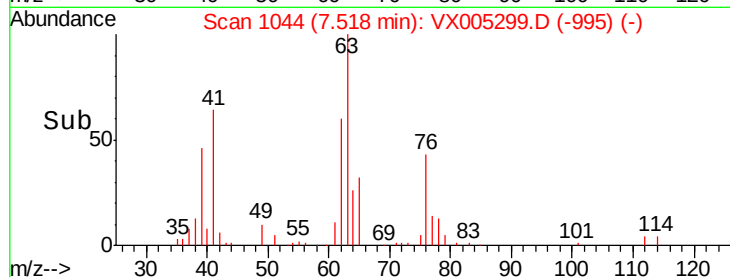
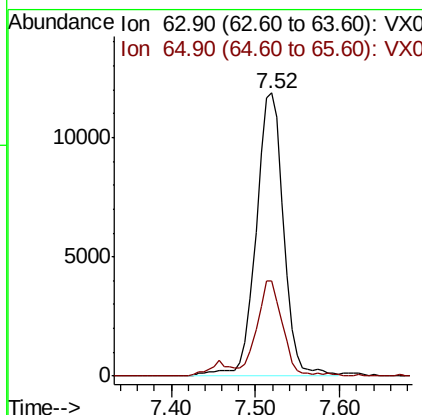
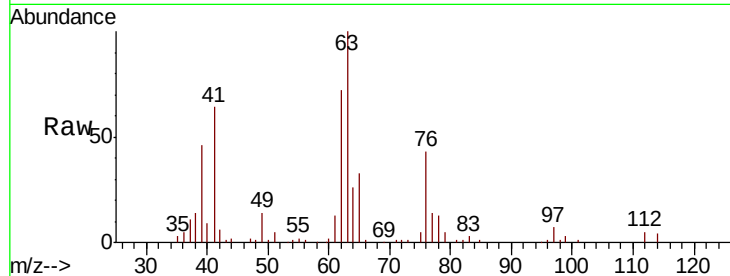




#45
 1,2-Dichloropropane
 Concen: 9.944 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

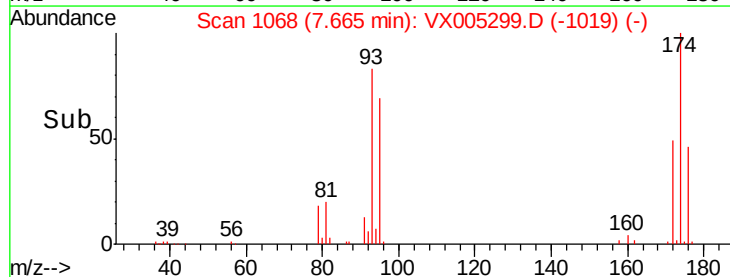
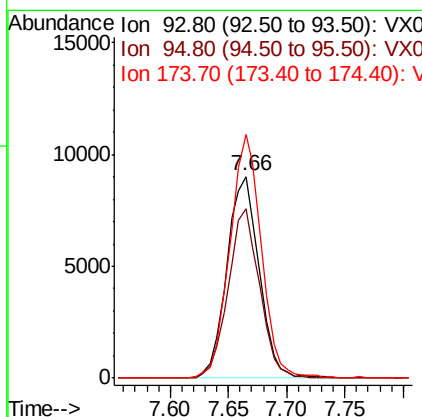
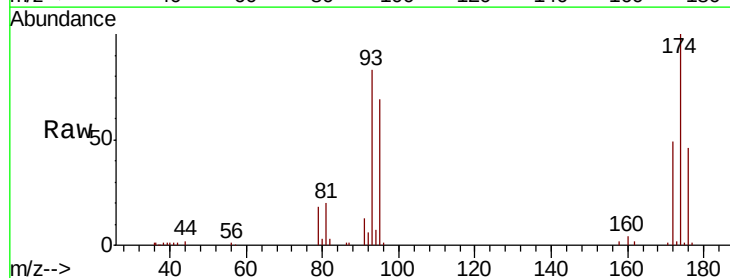
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

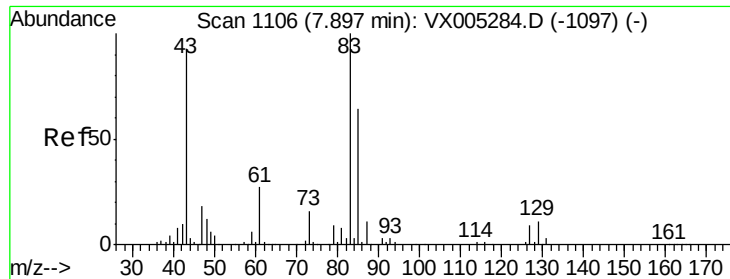
Tot Ion: 63 Resp: 26530
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.3 36.5



#46
 Dibromomethane
 Concen: 9.858 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion: 93 Resp: 17359
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.5 98.3
 174 118.1 94.2 141.4





#47

Bromodichloromethane

Concen: 9.718 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

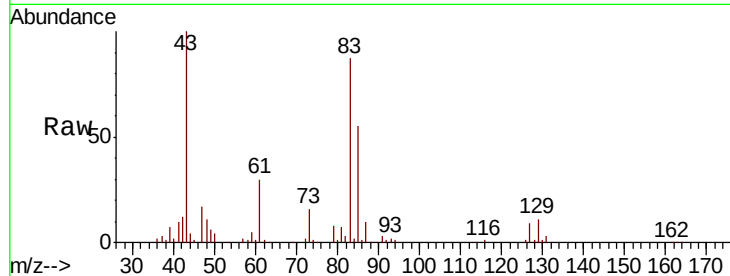
Tot Ion: 83 Resp: 31653

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3

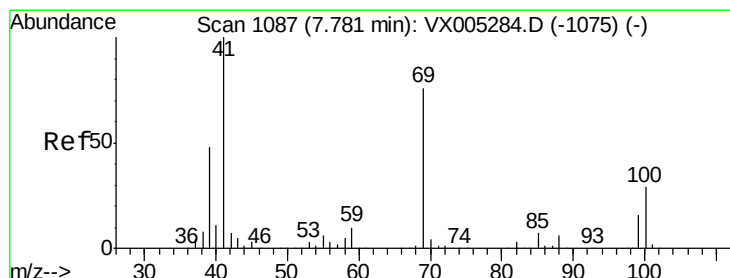
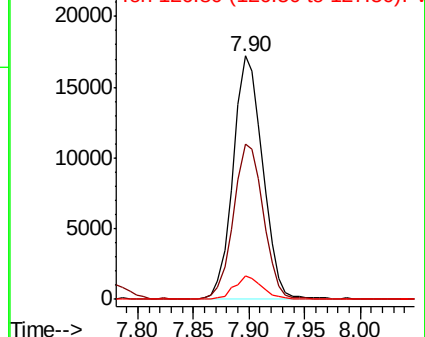
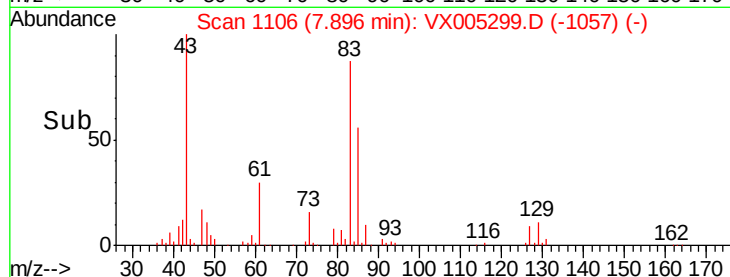
127 9.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 9.790 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

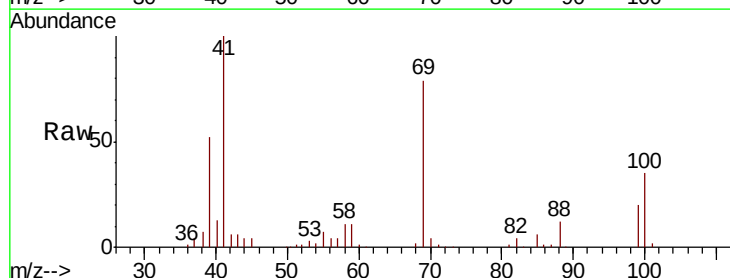
Tgt Ion: 41 Resp: 31538

Ion Ratio Lower Upper

41 100

69 80.9 70.2 105.4

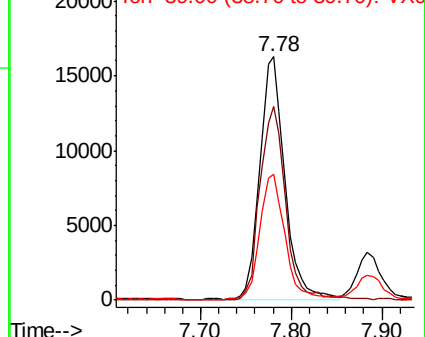
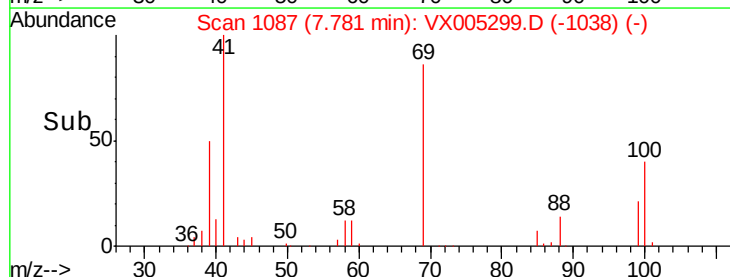
39 52.0 42.7 64.1

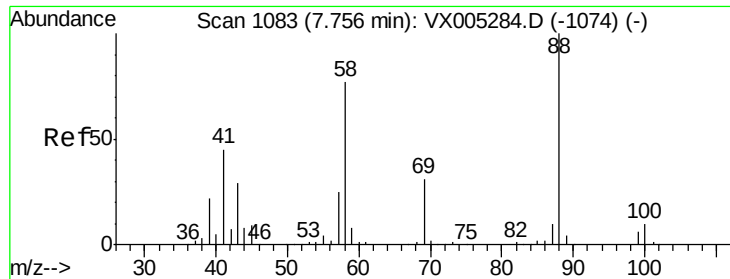


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

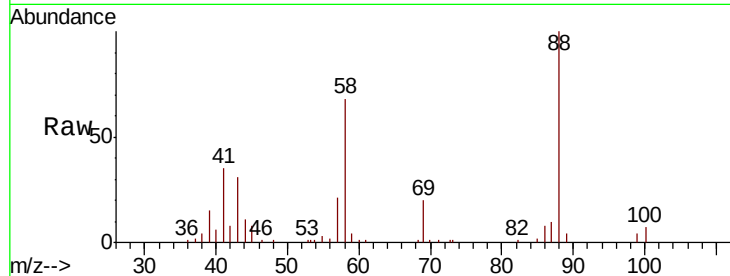




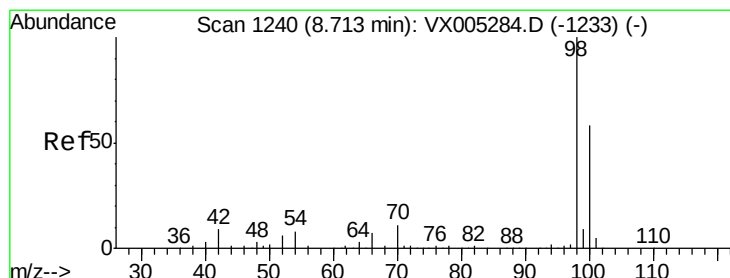
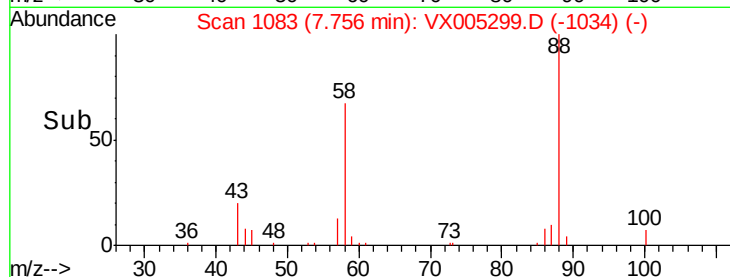
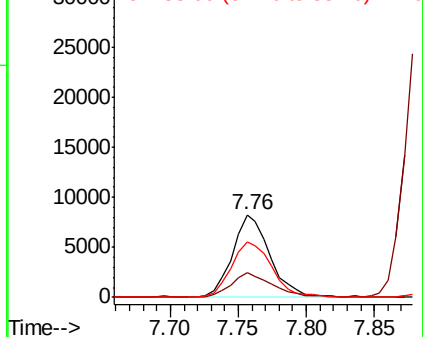
#49
1,4-Dioxane
Concen: 211.925 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion: 88 Resp: 15747
Ion Ratio Lower Upper
88 100
43 34.4 24.7 37.1
58 72.7 55.3 82.9

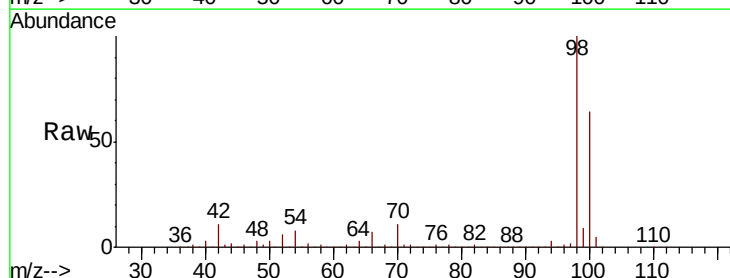


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

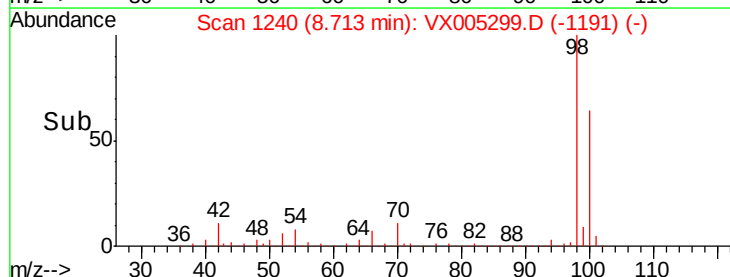
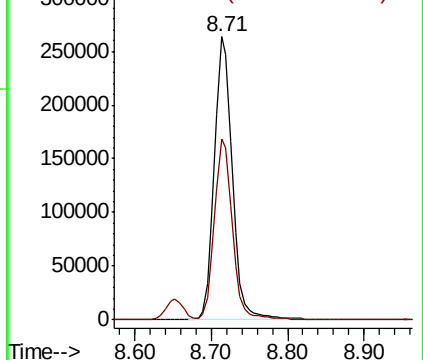


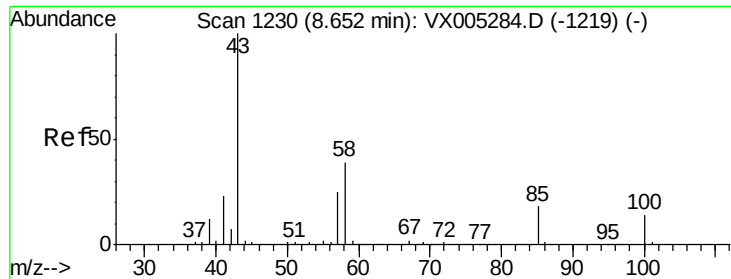
#50
Toluene-d8
Concen: 50.614 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 98 Resp: 430862
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 52.661 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

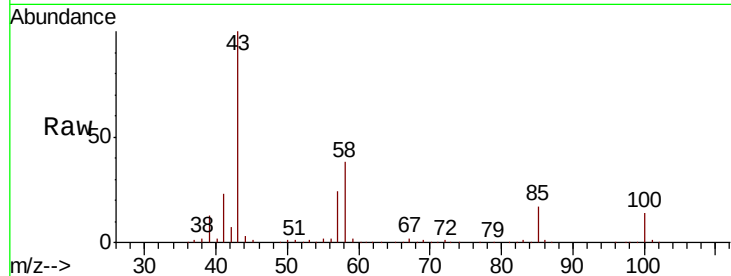
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 226487

Ion Ratio Lower Upper

43 100

58 37.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

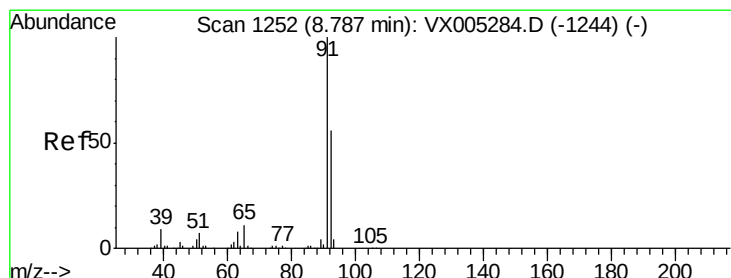
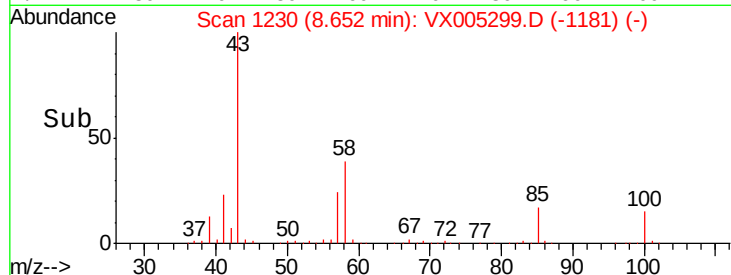
150000

100000

50000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 10.571 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005299.D

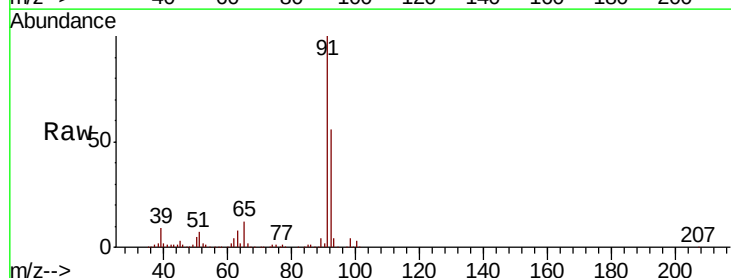
Acq: 12 Oct 2018 17:51

Tgt Ion: 92 Resp: 62903

Ion Ratio Lower Upper

92 100

91 175.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

80000

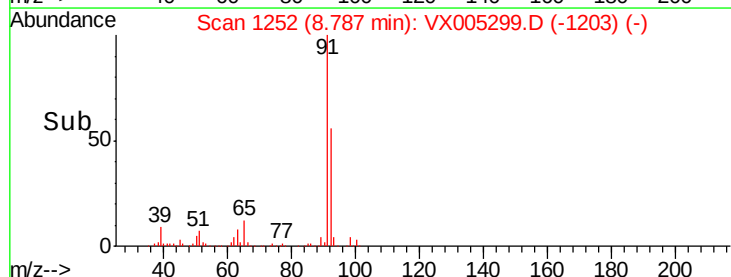
60000

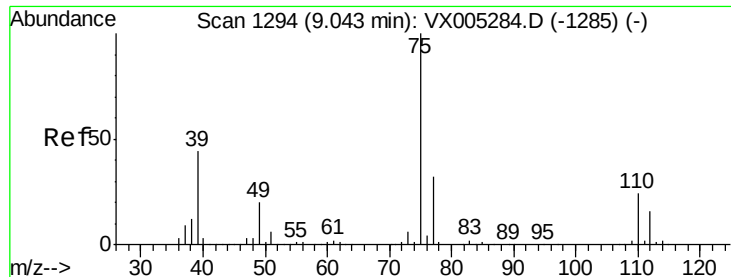
40000

20000

0

Time--> 8.70 8.80 8.90

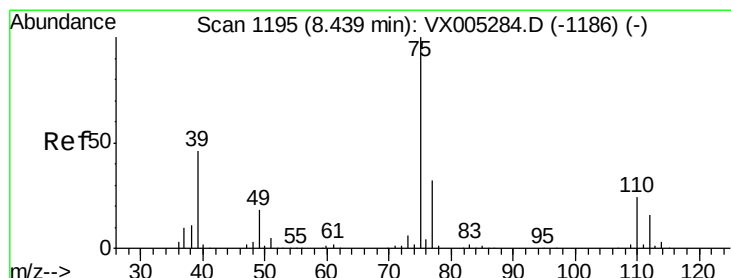
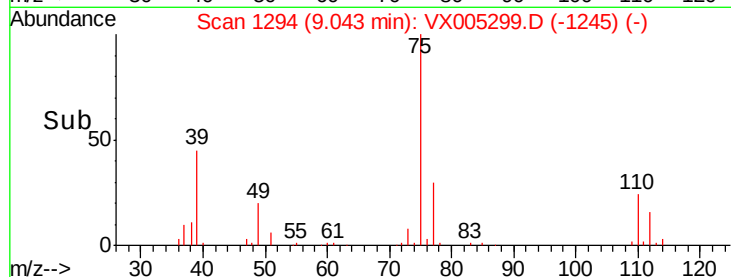
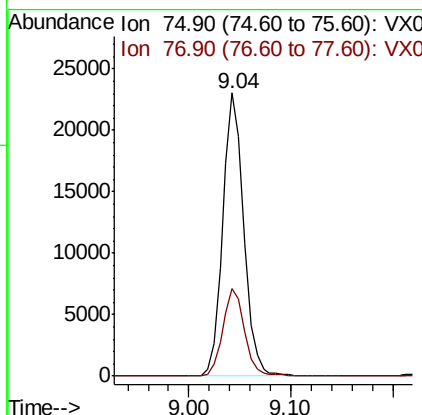
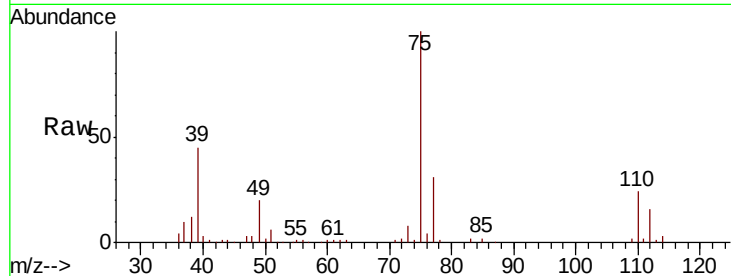




#53
 t-1,3-Dichloropropene
 Concen: 9.355 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

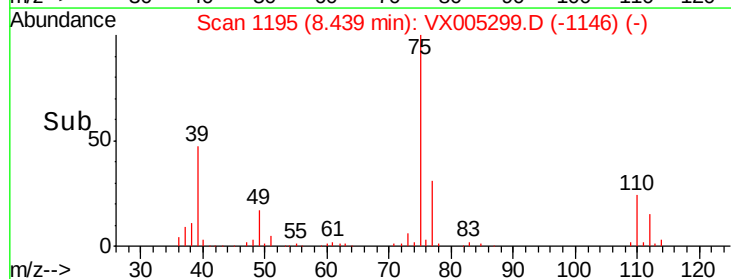
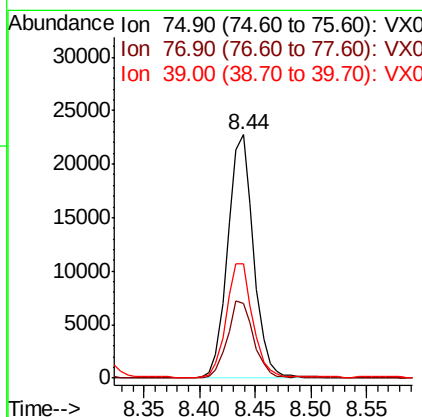
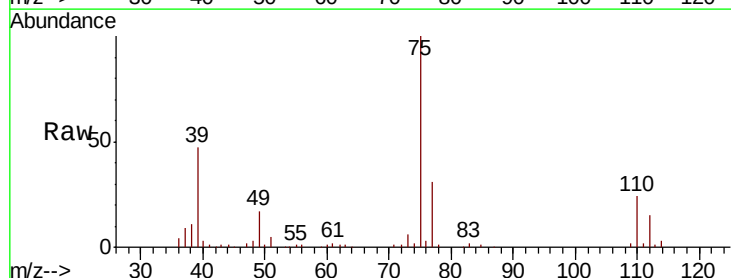
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

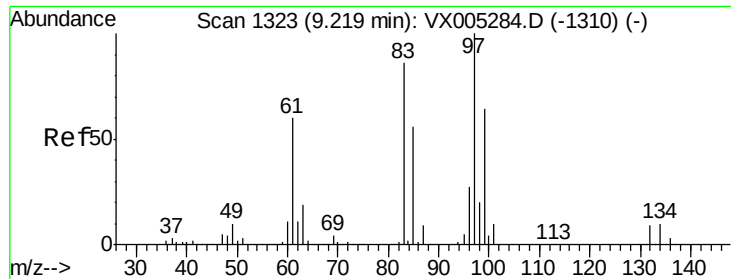
Tot Ion: 75 Resp: 32975
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 9.562 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion: 75 Resp: 36521
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.2
 39 46.3 36.4 54.6

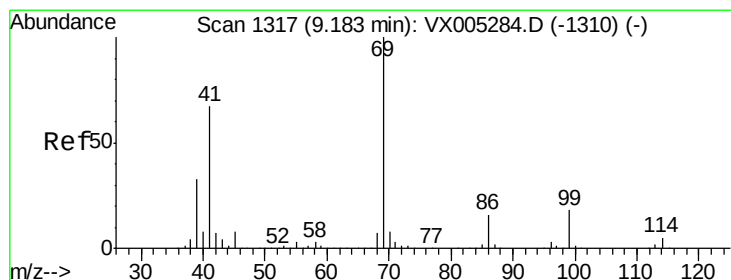
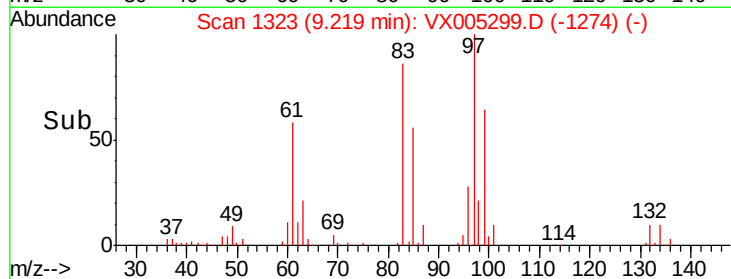
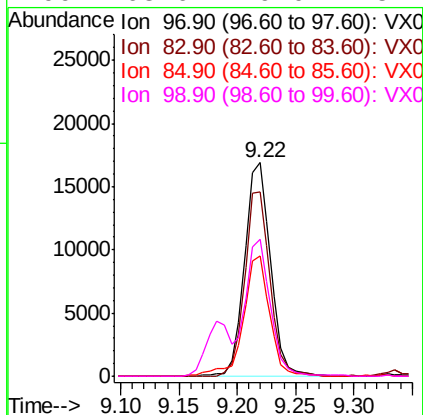
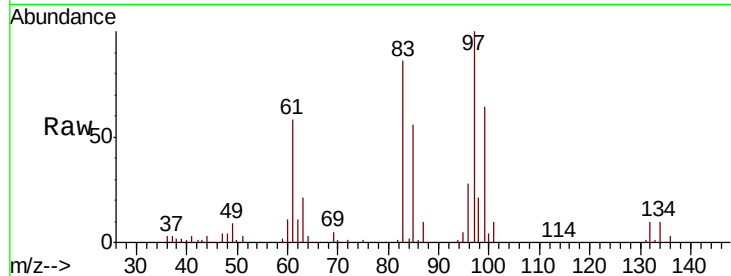




#55
 1,1,2-Trichloroethane
 Concen: 10.430 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

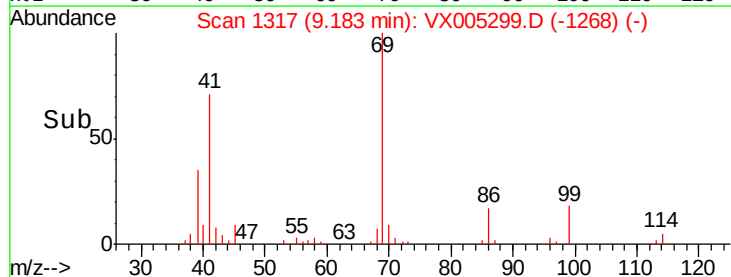
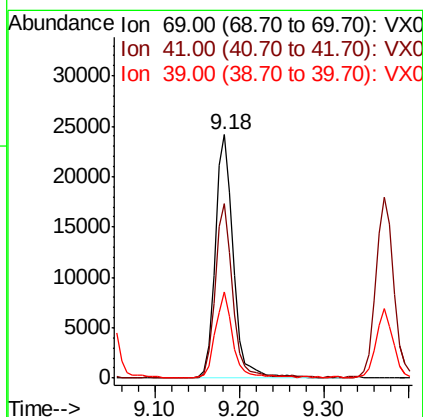
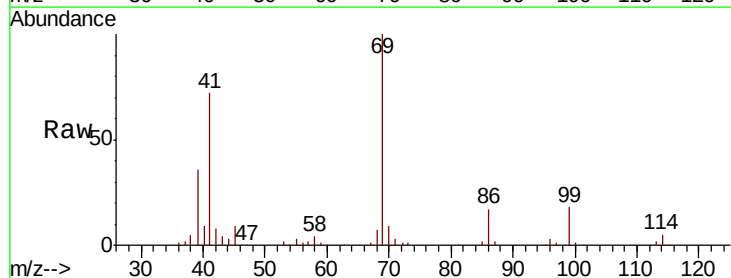
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

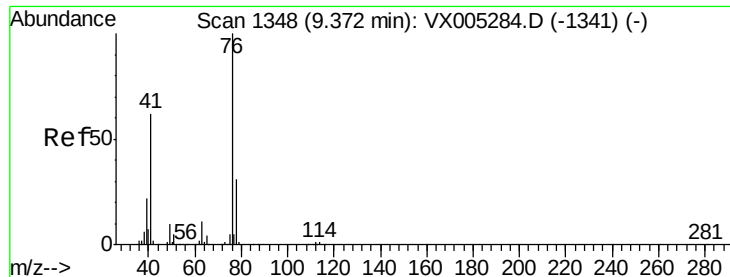
Tot Ion:	97	Resp:	26287
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.4	99.6
85	56.2	43.3	64.9
99	63.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 9.781 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion:	69	Resp:	35936
Ion	Ratio	Lower	Upper
69	100		
41	69.2	51.0	76.4
39	35.1	26.1	39.1





#57

1,3-Dichloropropane

Concen: 10.054 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

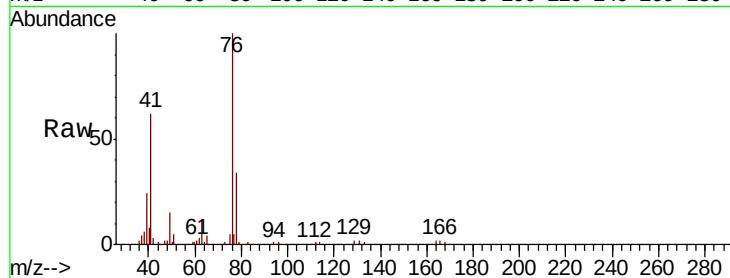
LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 42295

Ion Ratio Lower Upper

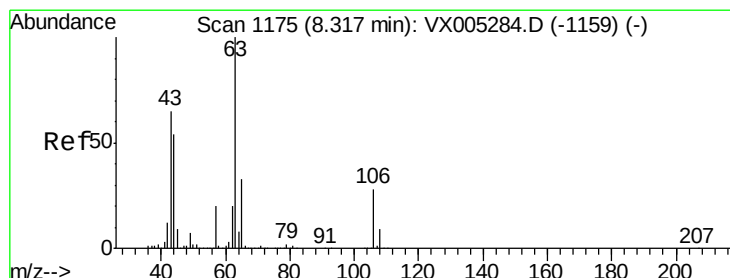
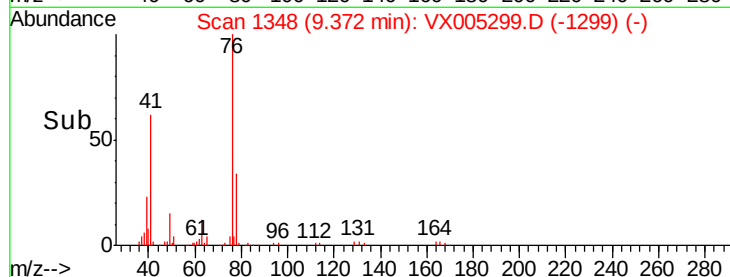
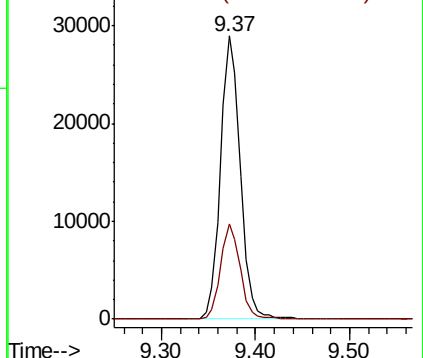
76 100

78 33.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 50.194 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005299.D

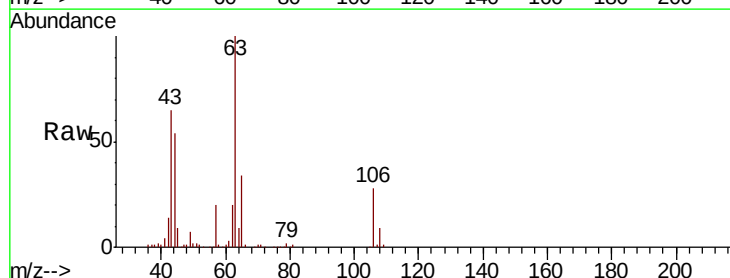
Acq: 12 Oct 2018 17:51

Tgt Ion: 63 Resp: 103428

Ion Ratio Lower Upper

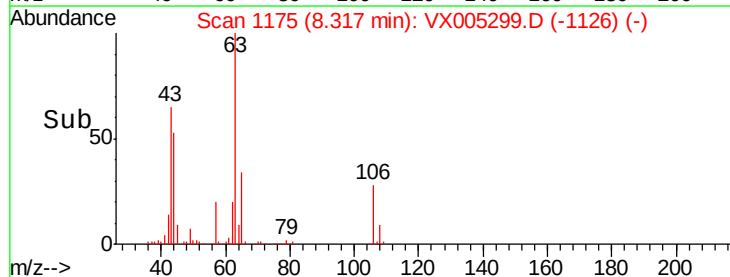
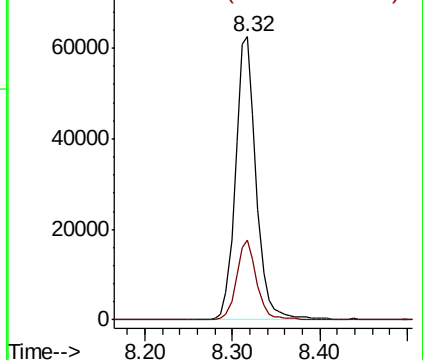
63 100

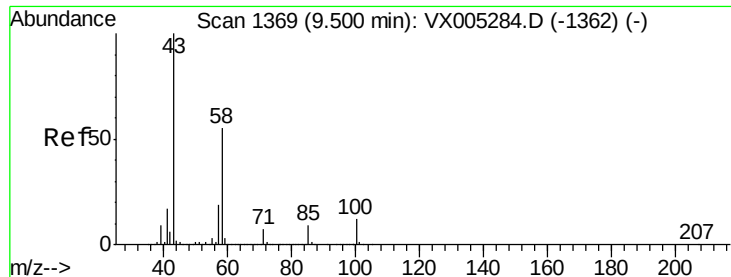
106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

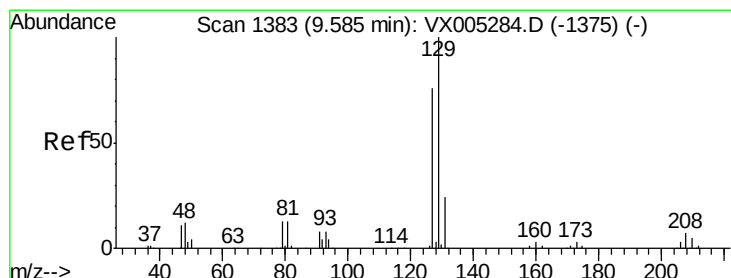
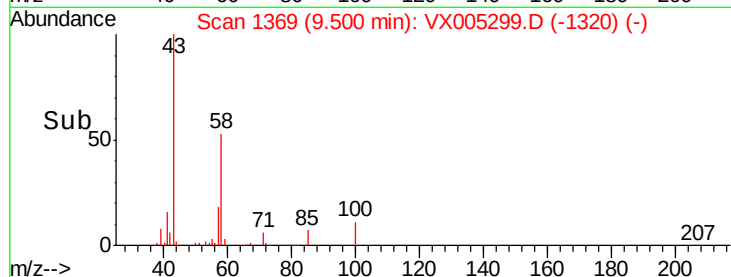
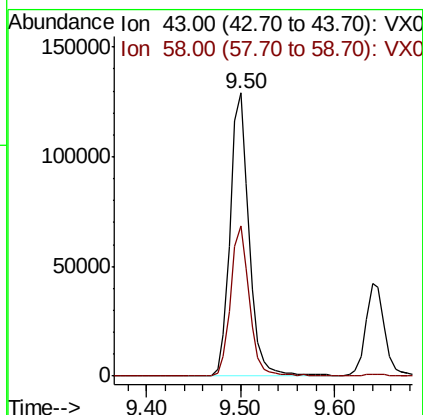
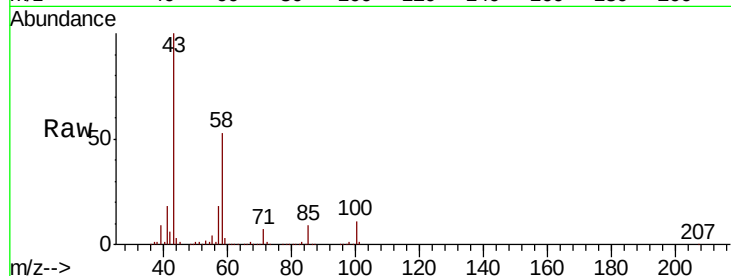




#59
2-Hexanone
Concen: 51.867 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

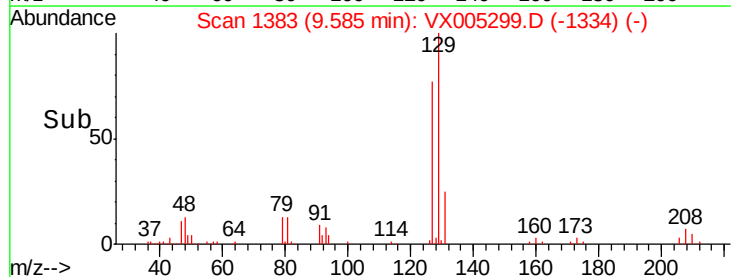
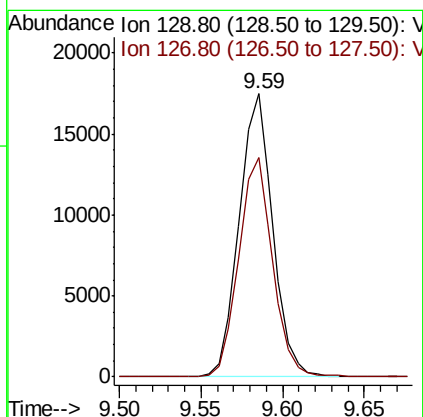
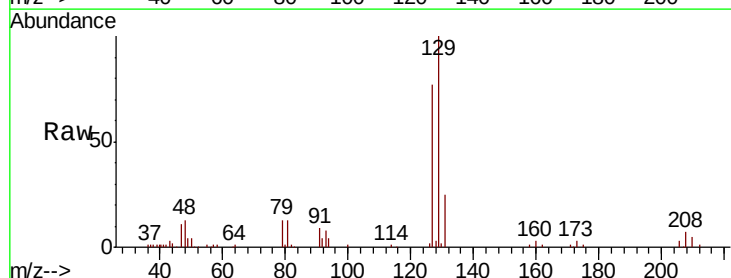
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

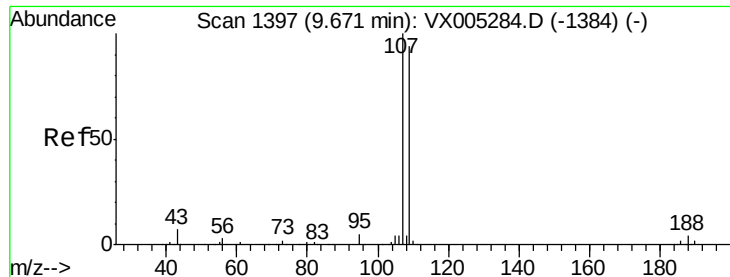
Tot Ion: 43 Resp: 179442
Ion Ratio Lower Upper
43 100
58 53.0 29.0 87.0



#60
Dibromochloromethane
Concen: 9.622 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:129 Resp: 25067
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.417 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

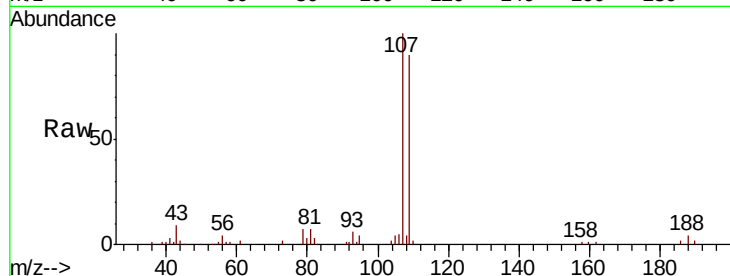
LOQ-WATER-02-QT4-2018

Tot Ion:107 Resp: 27554

Ion Ratio Lower Upper

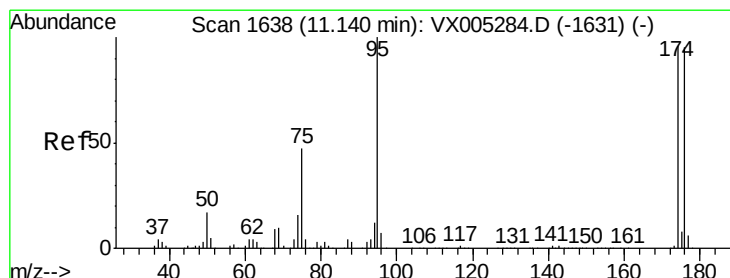
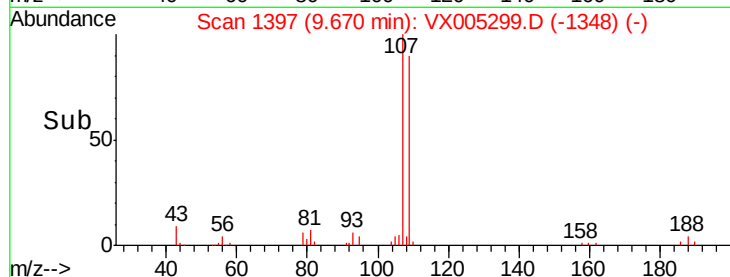
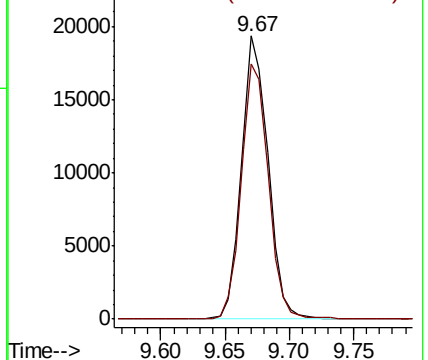
107 100

109 91.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.005 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

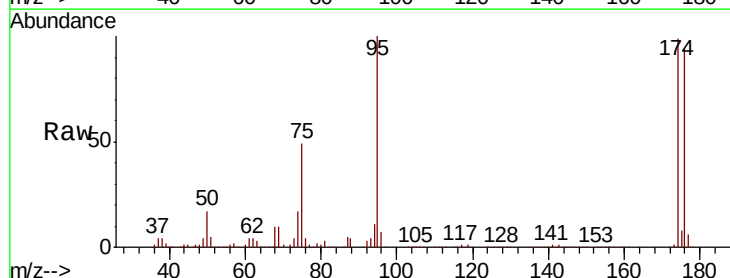
Tgt Ion: 95 Resp: 159910

Ion Ratio Lower Upper

95 100

174 94.8 0.0 185.2

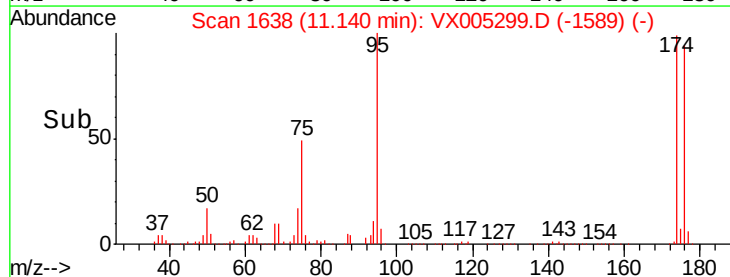
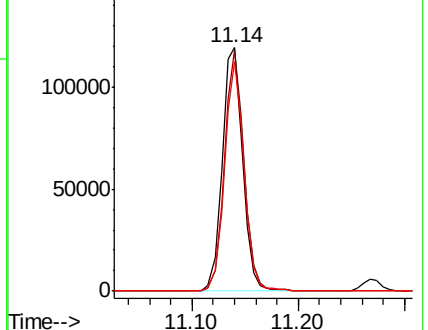
176 90.3 0.0 178.6

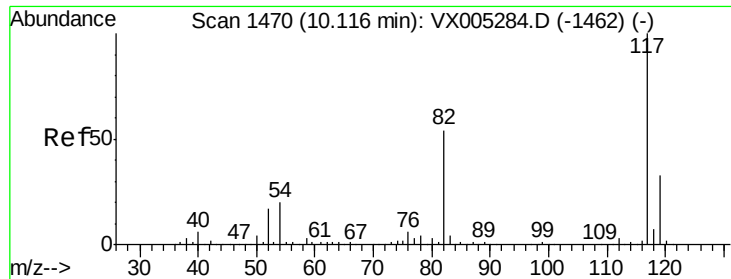


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

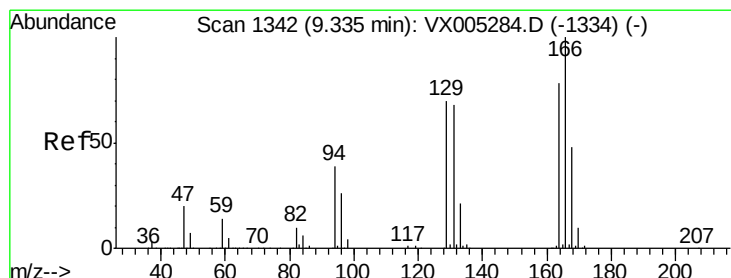
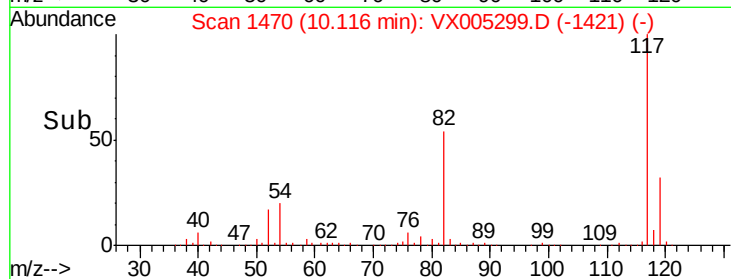
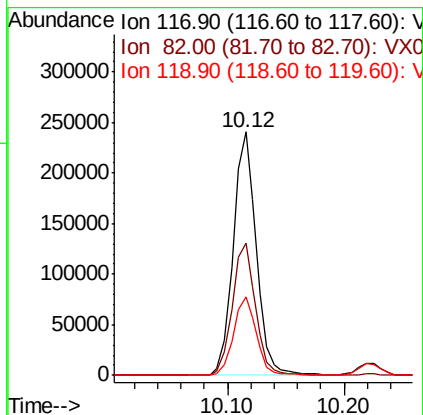
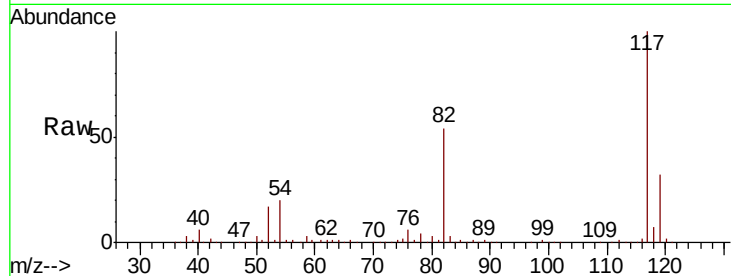




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

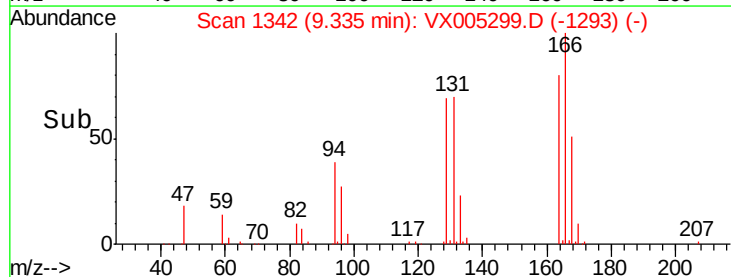
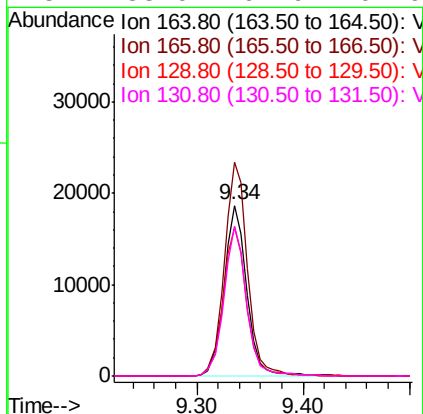
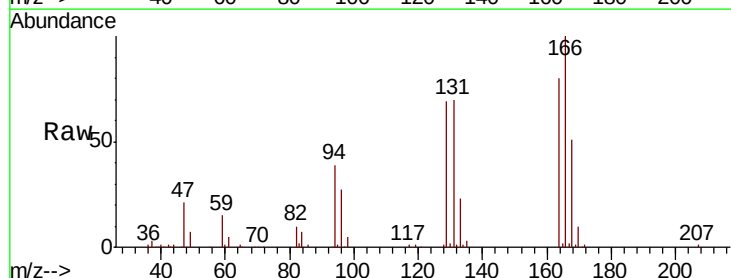
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

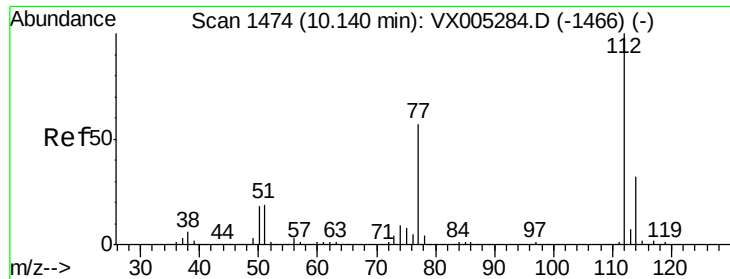
Tot Ion:117 Resp: 331189
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.6
119 32.3 29.3 43.9



#64
Tetrachloroethene
Concen: 10.417 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:164 Resp: 27773
Ion Ratio Lower Upper
164 100
166 125.4 102.8 154.2
129 87.0 69.4 104.0
131 88.0 67.9 101.9

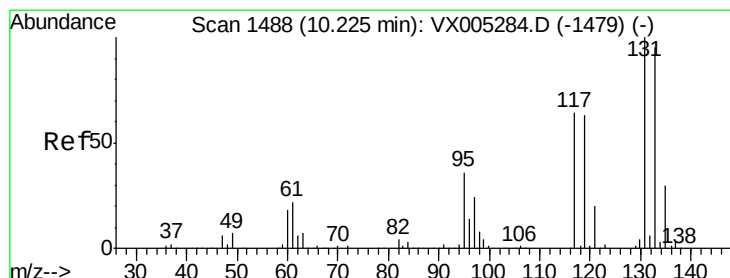
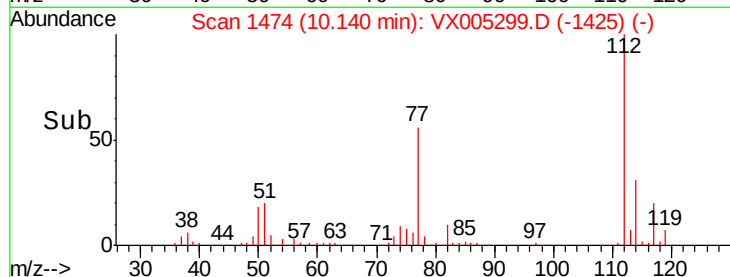
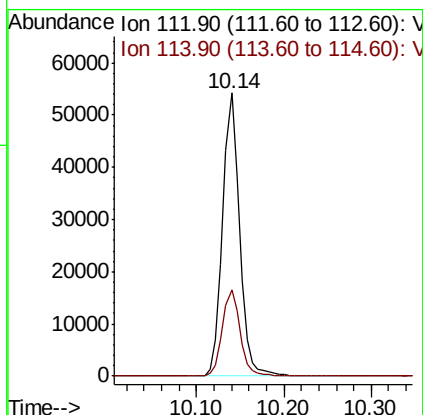
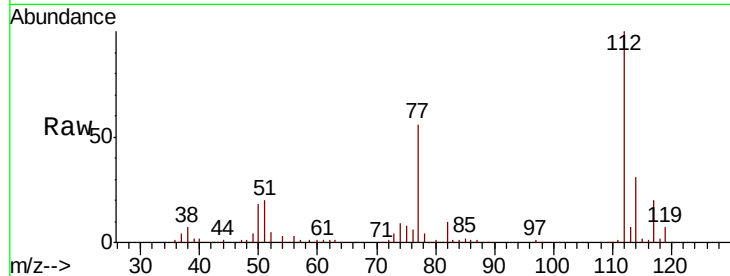




#65
Chlorobenzene
Concen: 10.320 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

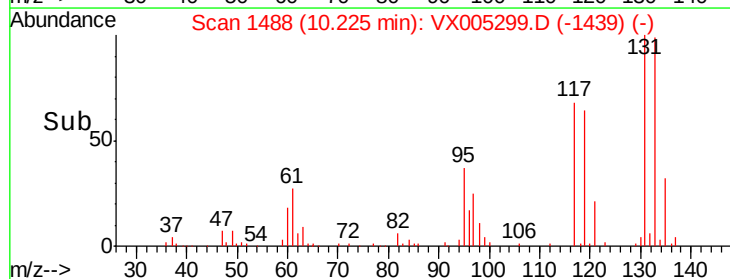
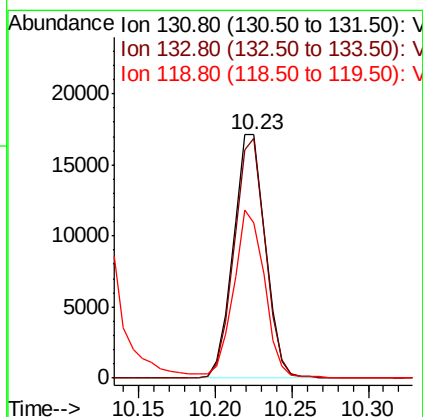
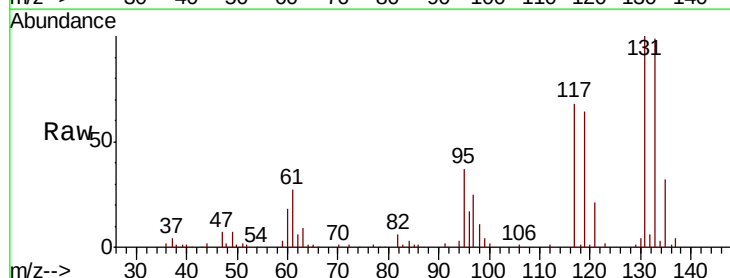
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

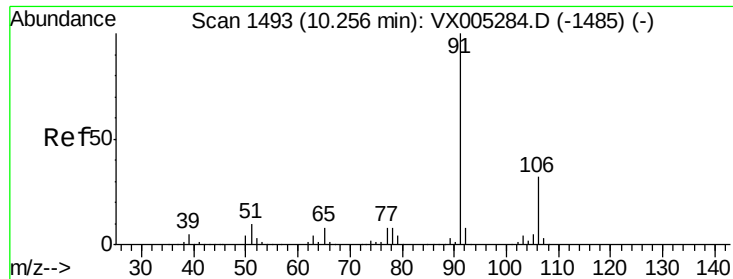
Tot Ion:112 Resp: 72700
Ion Ratio Lower Upper
112 100
114 30.6 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 9.900 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:131 Resp: 24853
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 67.0 32.9 98.6





#67

Ethyl Benzene

Concen: 9.986 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

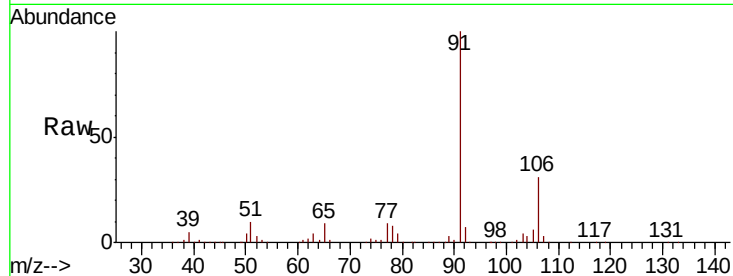
LOQ-WATER-02-QT4-2018

Tot Ion: 91 Resp: 114366

Ion Ratio Lower Upper

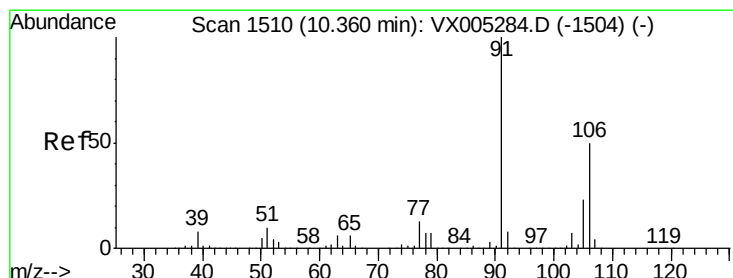
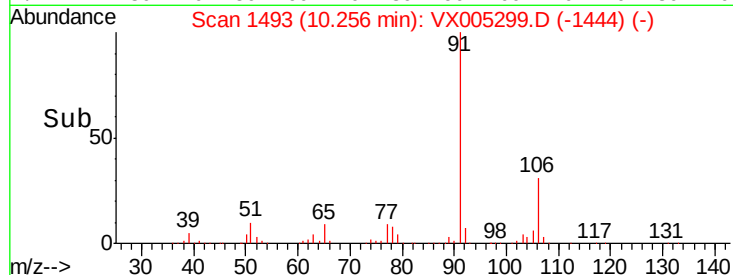
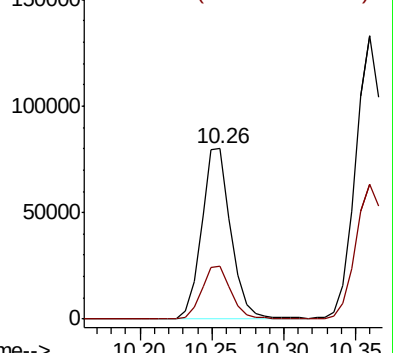
91 100

106 30.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 20.522 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005299.D

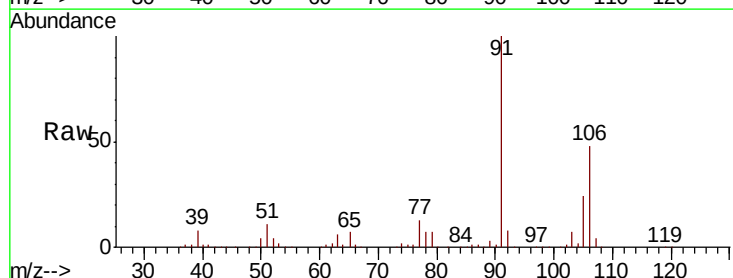
Acq: 12 Oct 2018 17:51

Tgt Ion: 106 Resp: 91221

Ion Ratio Lower Upper

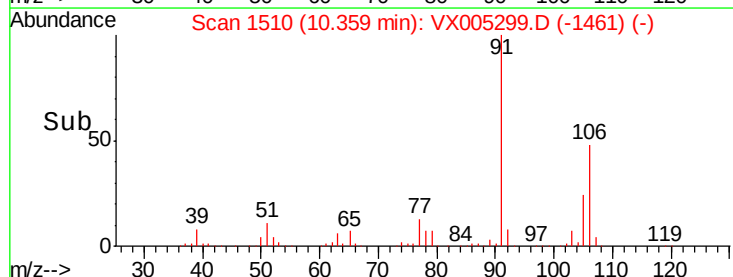
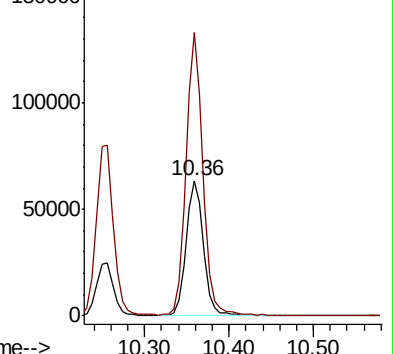
106 100

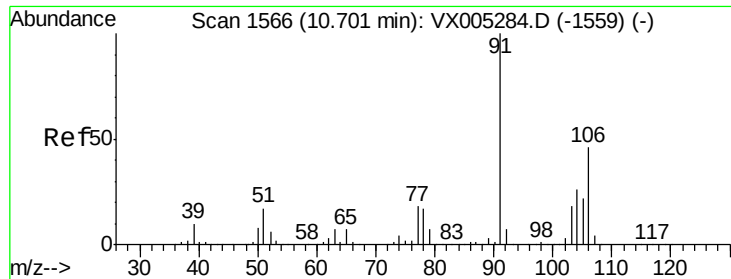
91 201.0 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

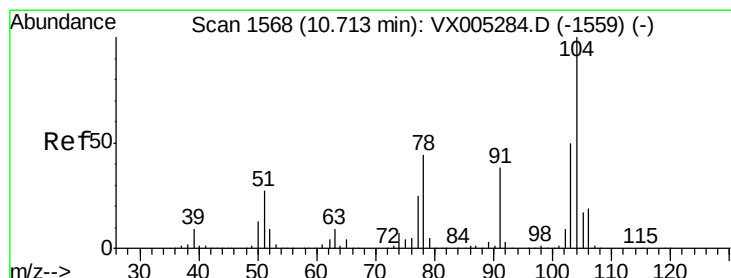
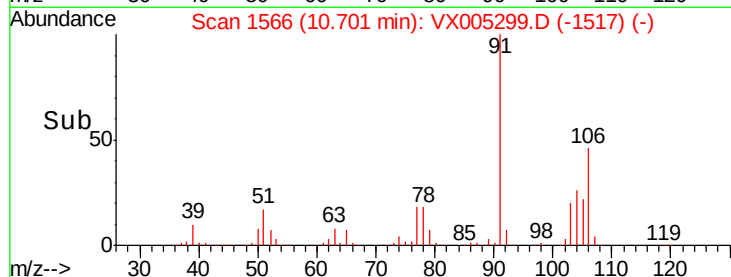
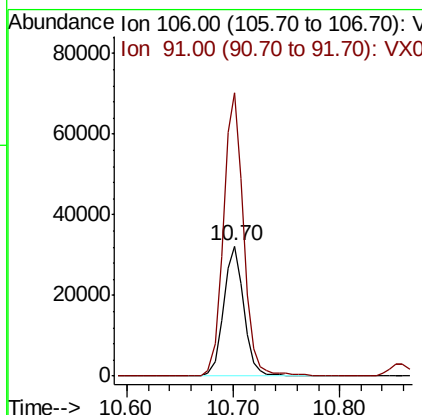
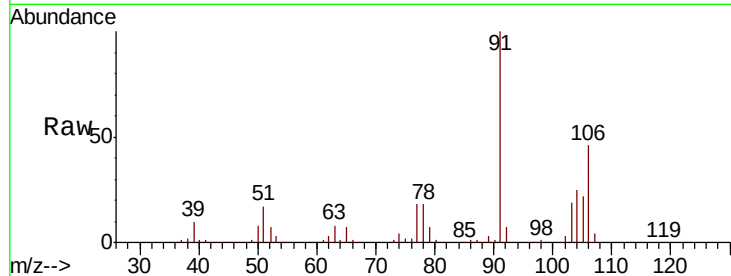




#69
o-Xylene
Concen: 10.033 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

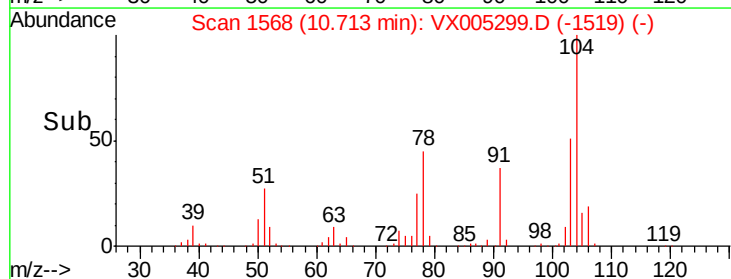
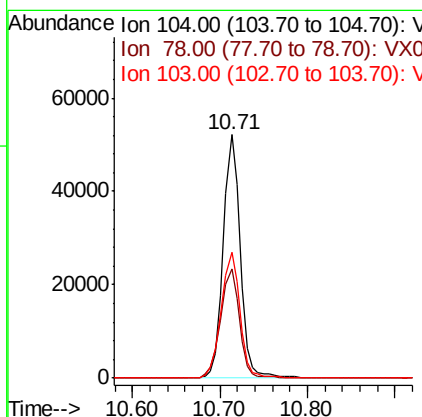
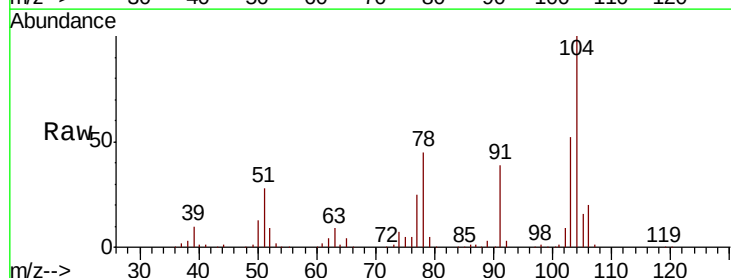
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

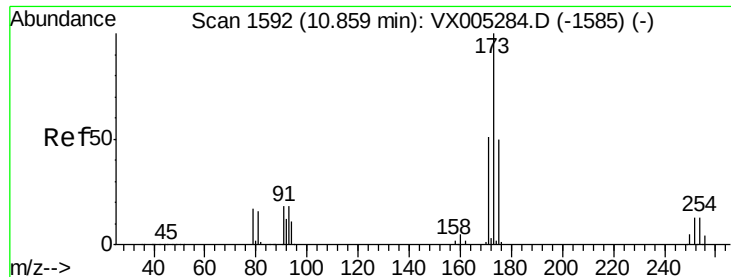
Tot Ion:106 Resp: 43013
Ion Ratio Lower Upper
106 100
91 217.0 105.1 315.1



#70
Styrene
Concen: 9.945 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:104 Resp: 70124
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 57.6 43.8 65.6





#71

Bromoform

Concen: 9.335 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

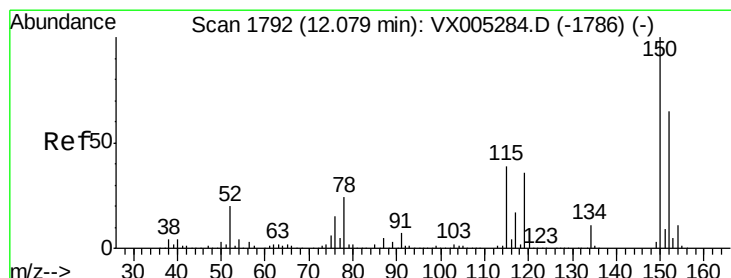
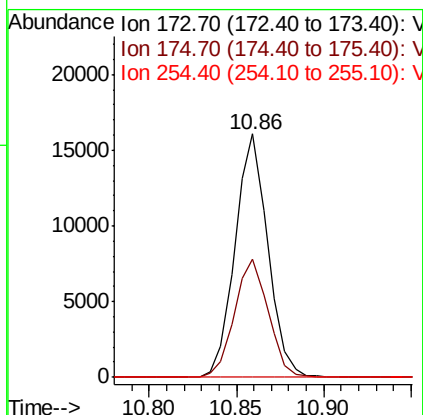
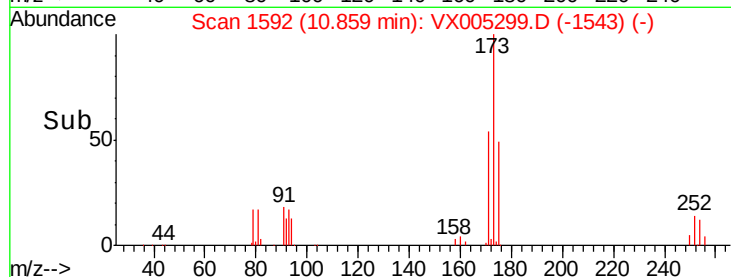
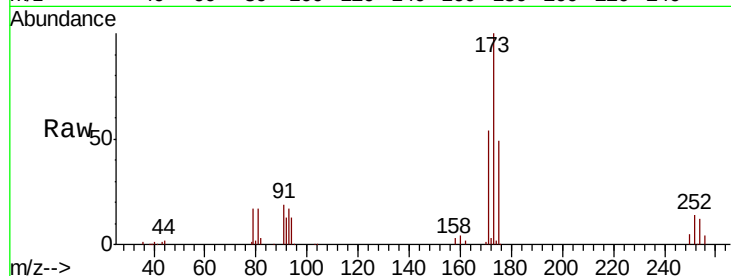
Tot Ion:173 Resp: 20942

Ion Ratio Lower Upper

173 100

175 50.0 24.1 72.3

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

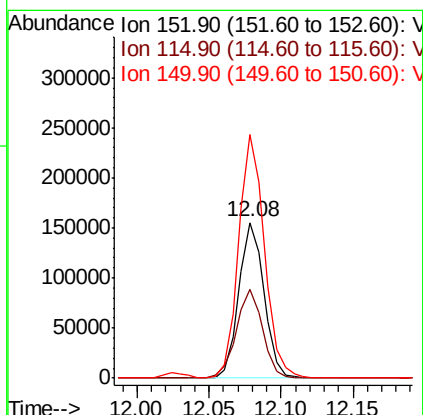
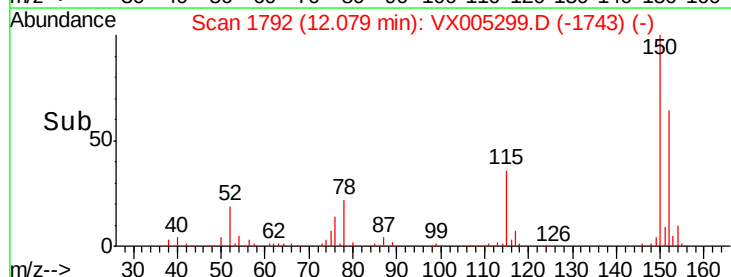
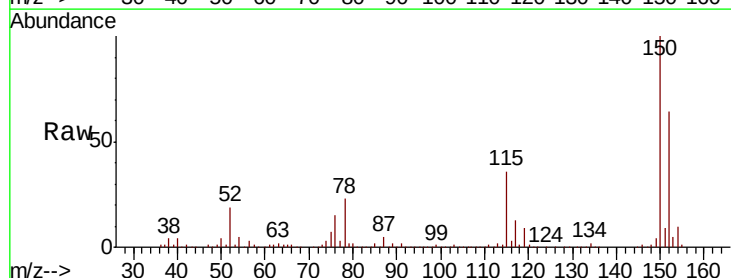
Tgt Ion:152 Resp: 189296

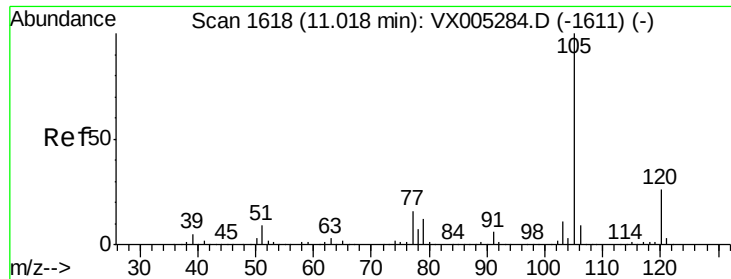
Ion Ratio Lower Upper

152 100

115 59.9 39.0 117.0

150 159.8 0.0 351.0





#73

Isopropylbenzene

Concen: 10.424 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

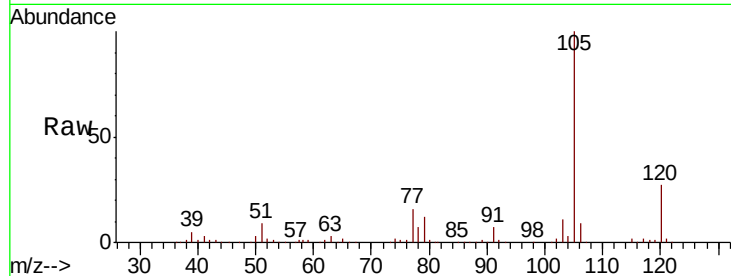
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 117302

Ion Ratio Lower Upper

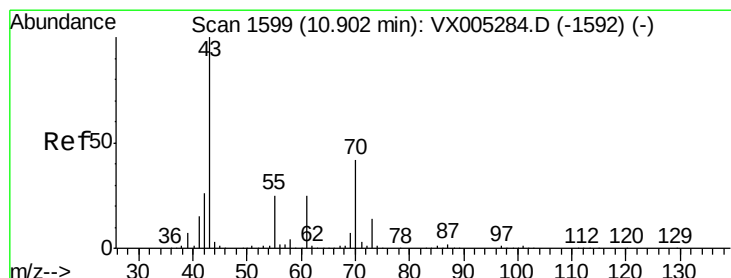
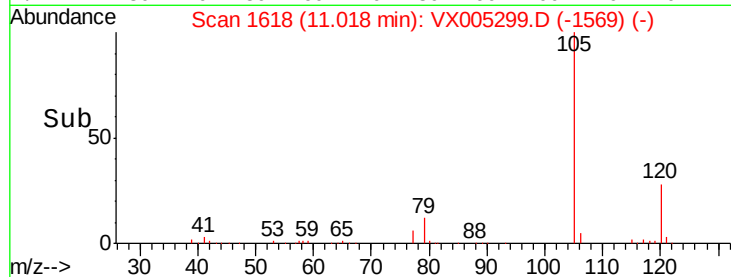
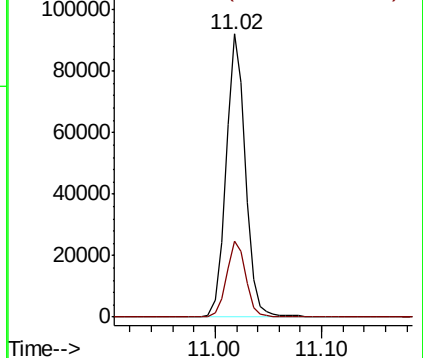
105 100

120 26.9 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: 10.196 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Tgt Ion: 43 Resp: 55340

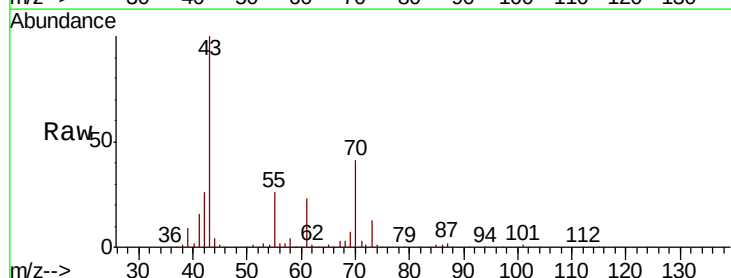
Ion Ratio Lower Upper

43 100

70 40.4 37.4 56.0

55 26.3 21.8 32.8

61 22.6 20.6 30.8

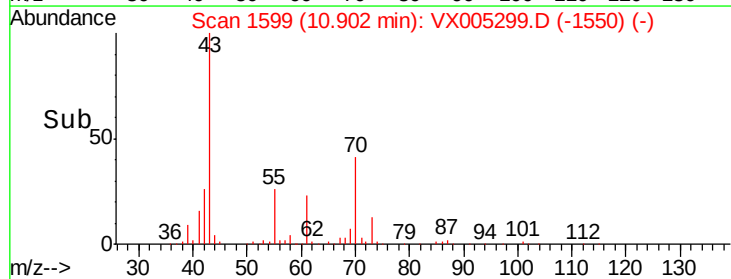
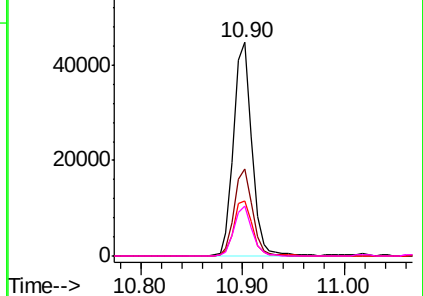


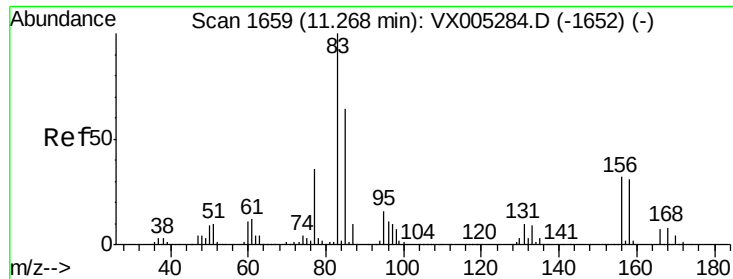
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 10.598 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

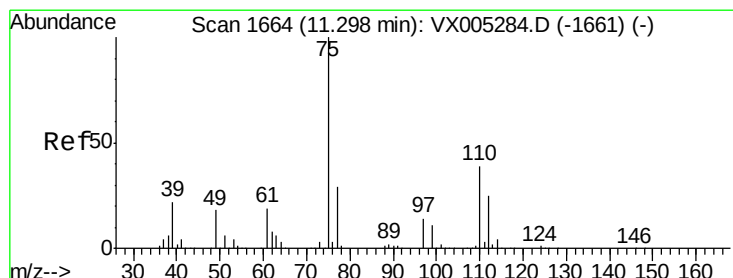
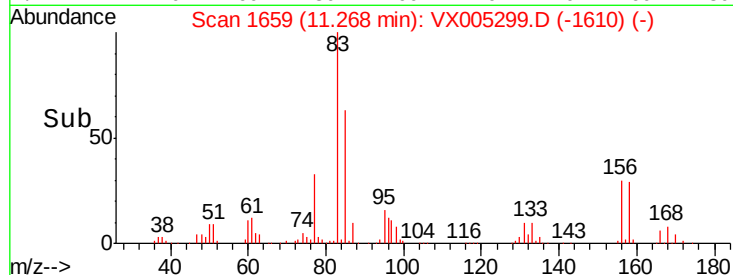
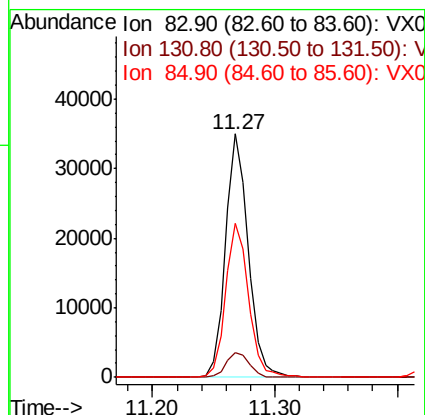
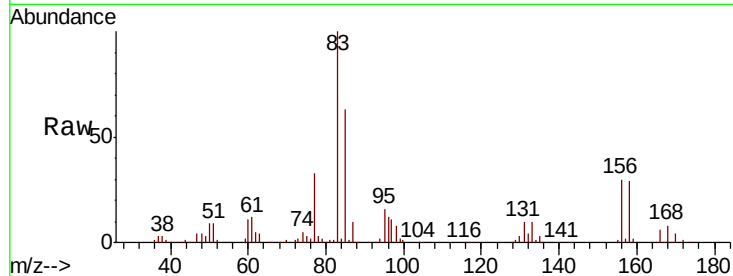
Tot Ion: 83 Resp: 44990

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

85 63.9 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 13.110 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005299.D

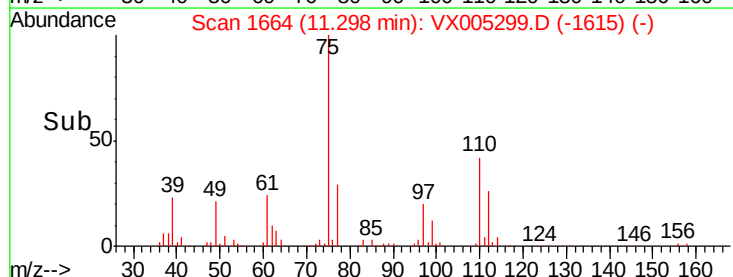
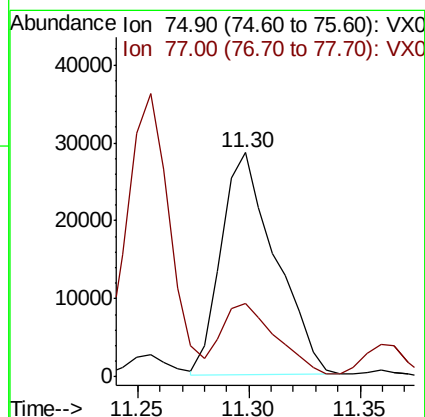
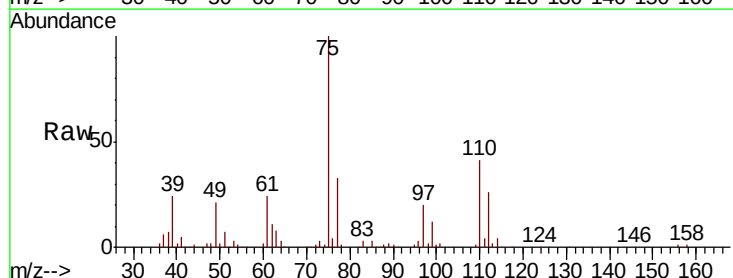
Acq: 12 Oct 2018 17:51

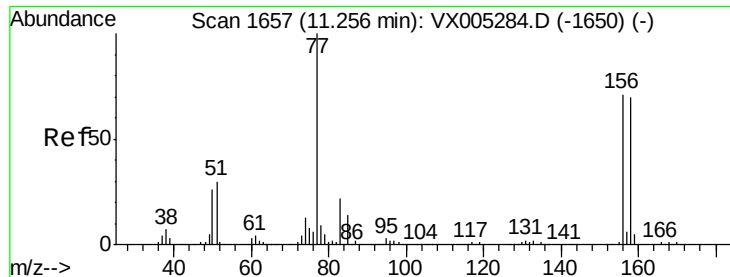
Tgt Ion: 75 Resp: 48137

Ion Ratio Lower Upper

75 100

77 33.8 20.2 60.6





#77

Bromobenzene

Concen: 10.467 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

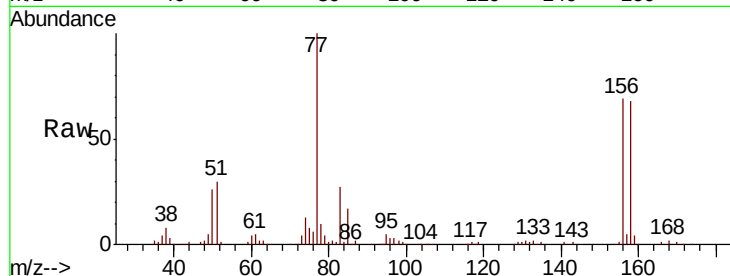
Tot Ion:156 Resp: 33679

Ion Ratio Lower Upper

156 100

77 144.5 71.5 214.3

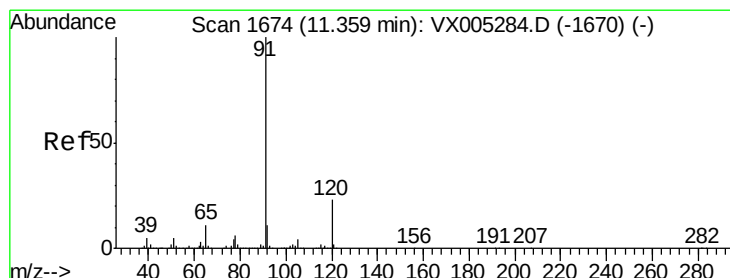
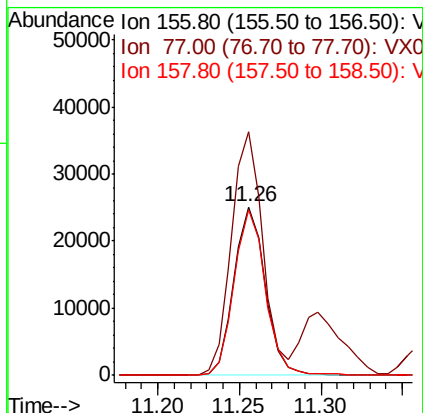
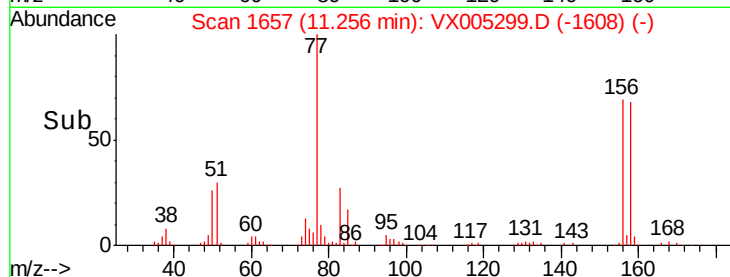
158 98.2 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.469 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005299.D

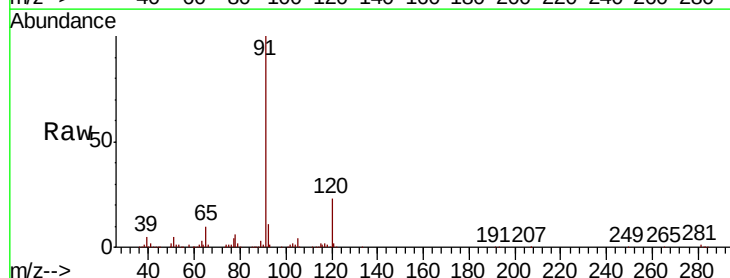
Acq: 12 Oct 2018 17:51

Tgt Ion: 91 Resp: 135573

Ion Ratio Lower Upper

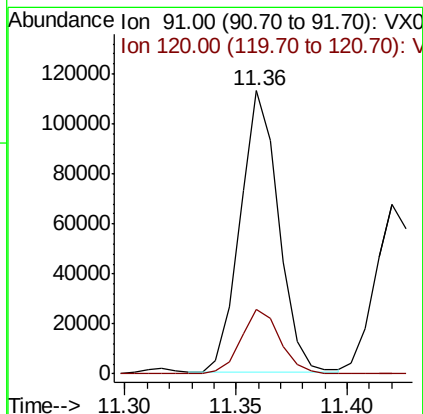
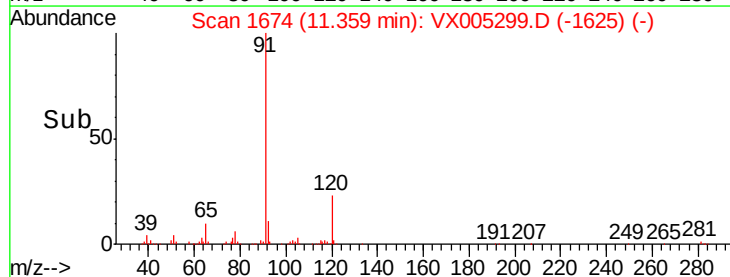
91 100

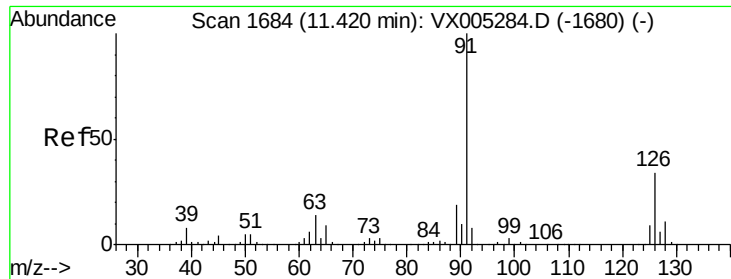
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.693 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

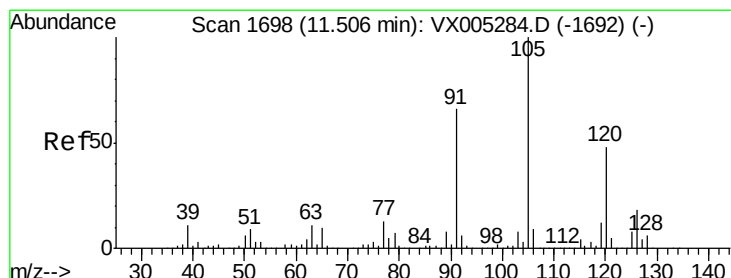
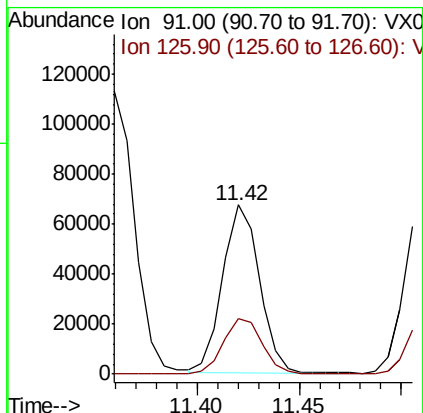
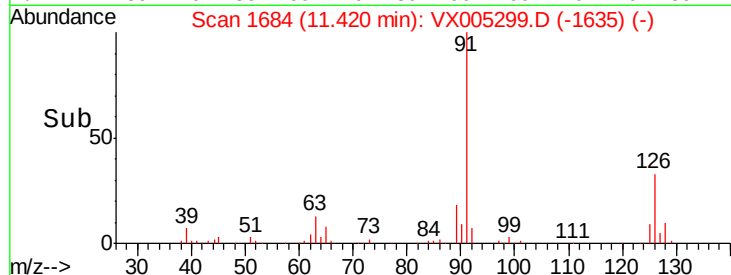
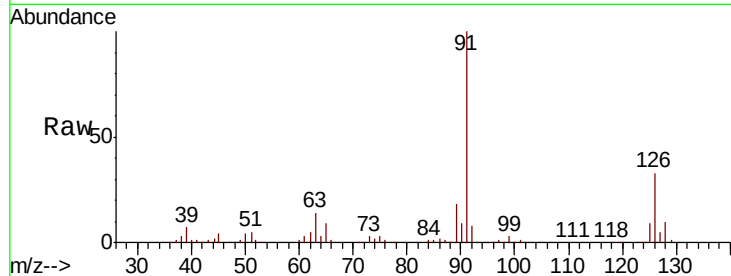
LOQ-WATER-02-QT4-2018

Tot Ion: 91 Resp: 84803

Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 10.515 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005299.D

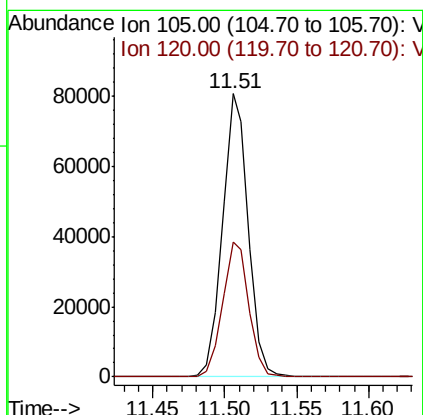
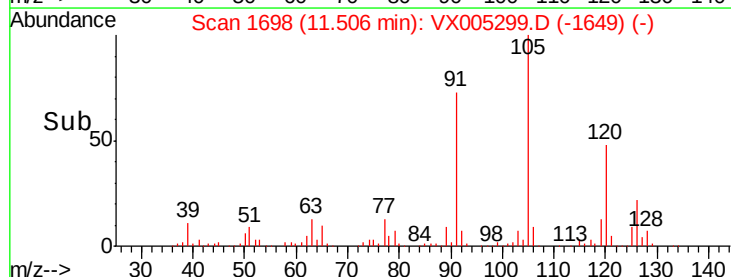
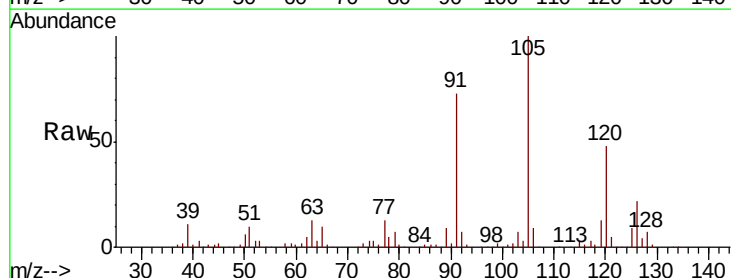
Acq: 12 Oct 2018 17:51

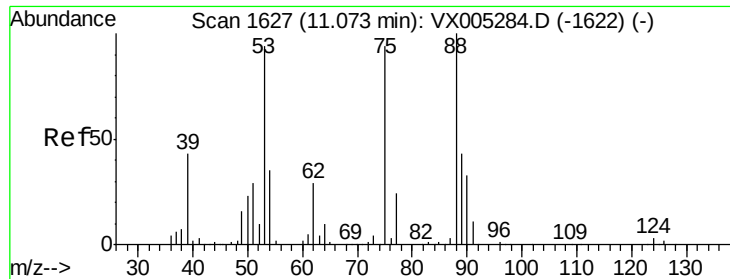
Tgt Ion: 105 Resp: 101324

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8

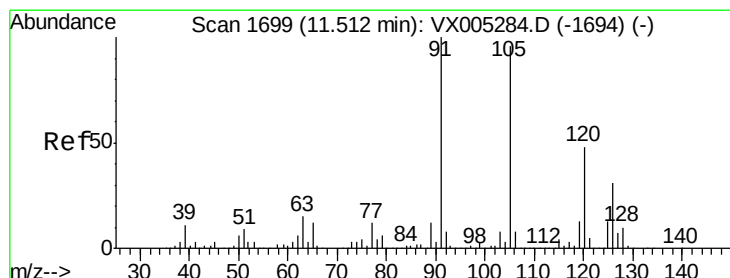
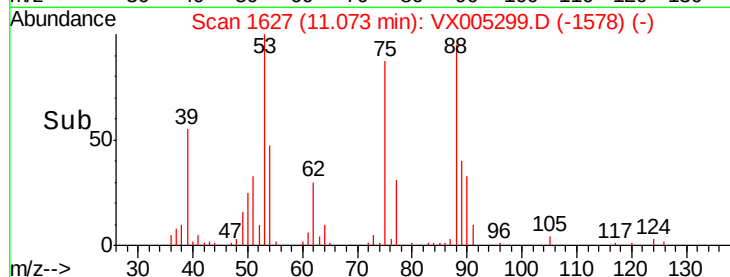
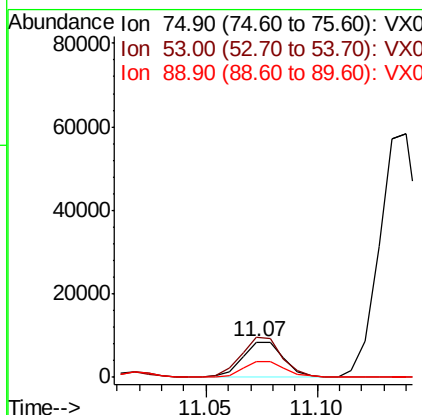
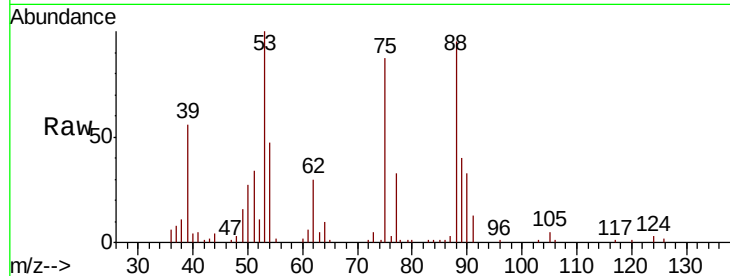




#81
trans-1,4-Dichloro-2-butene
Concen: 8.926 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

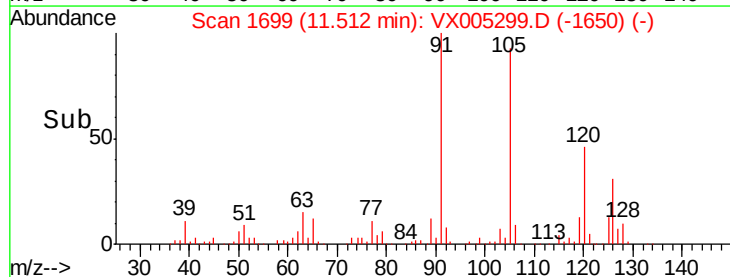
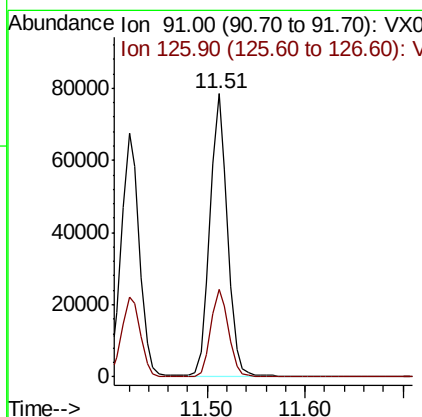
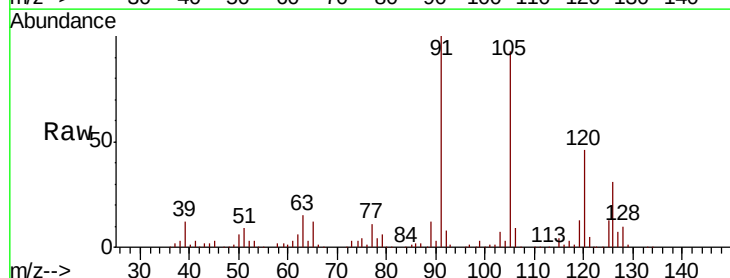
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

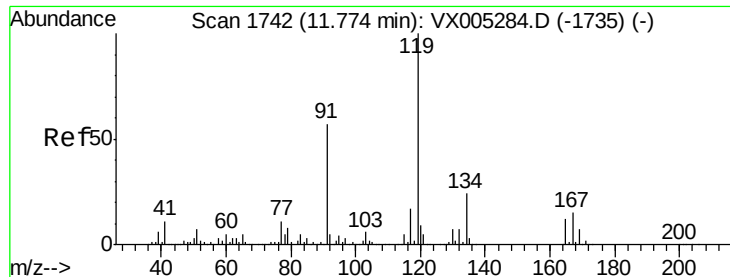
Tot Ion: 75 Resp: 10787
Ion Ratio Lower Upper
75 100
53 112.8 80.1 120.1
89 47.6 37.2 55.8



#82
4-Chlorotoluene
Concen: 10.452 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion: 91 Resp: 98263
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5

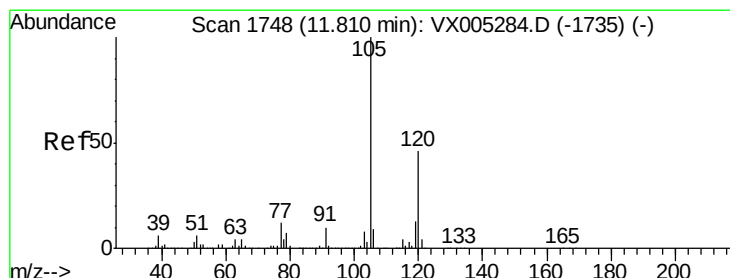
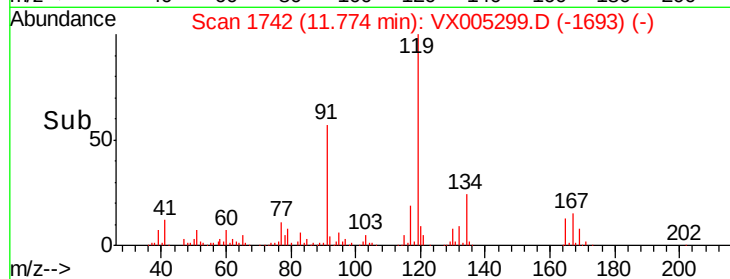
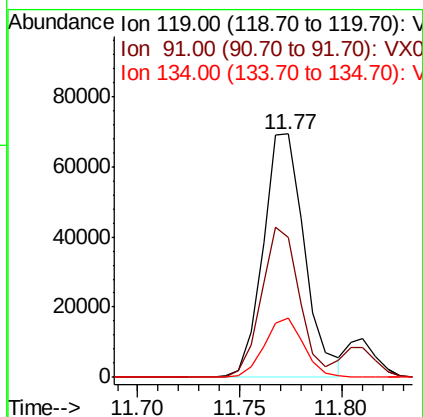
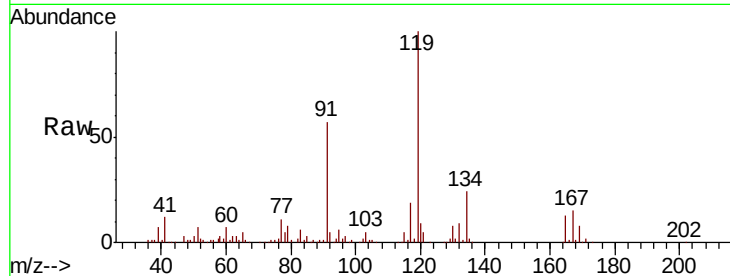




#83
 tert-Butylbenzene
 Concen: 10.068 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

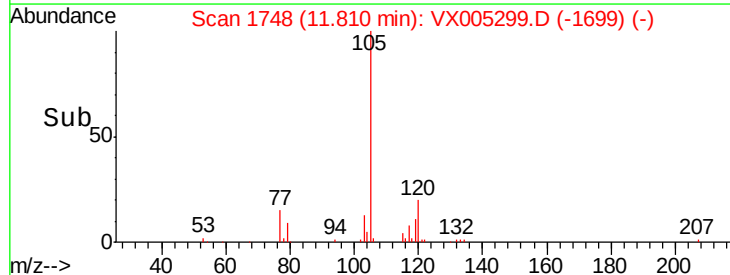
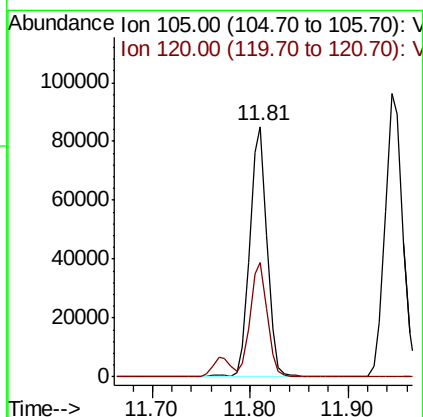
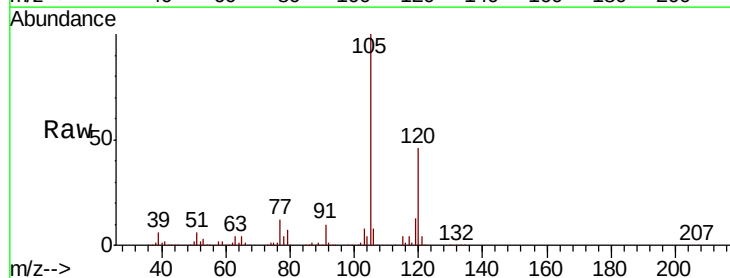
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

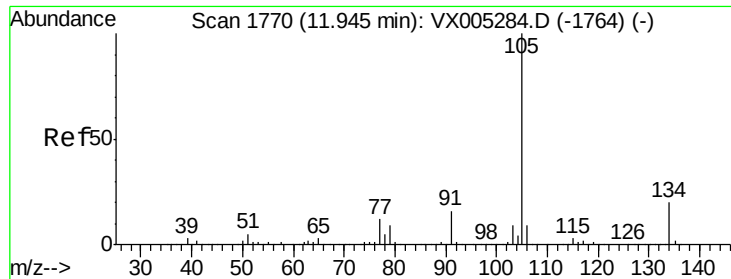
Tot Ion:119 Resp: 98243
 Ion Ratio Lower Upper
 119 100
 91 56.5 27.0 81.0
 134 23.2 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 10.484 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion:105 Resp: 103967
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 10.435 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

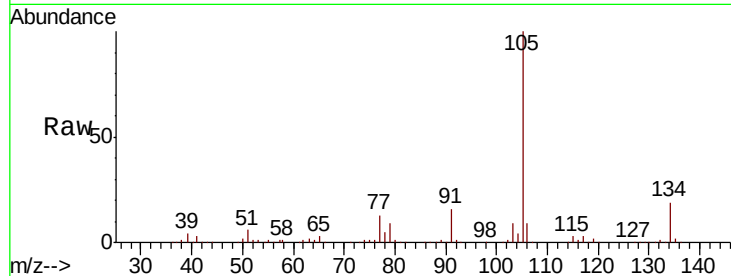
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 120501

Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

100000

80000

60000

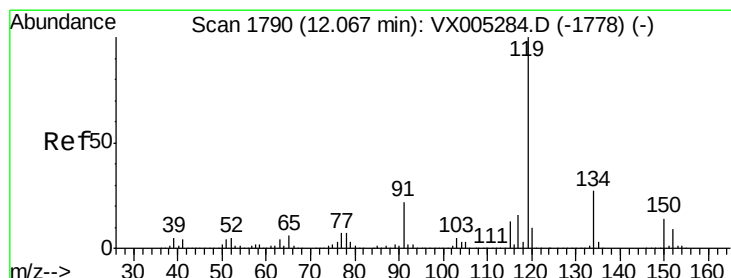
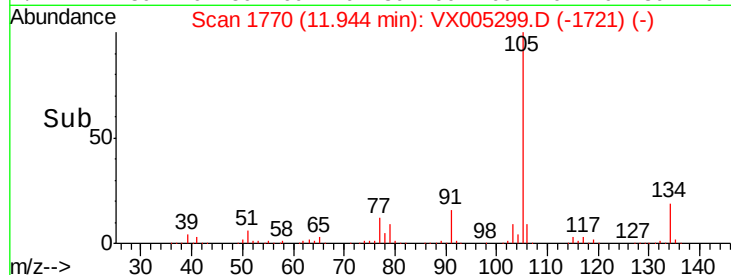
40000

20000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 10.286 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

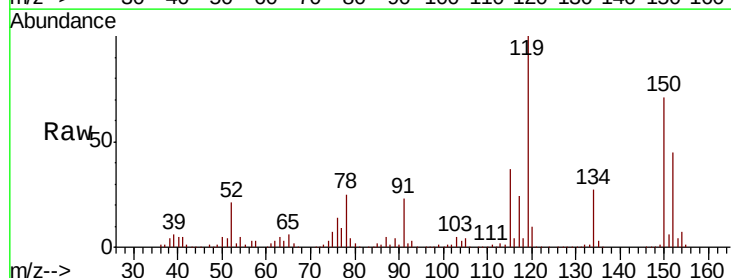
Tgt Ion:119 Resp: 107369

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 23.5 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

120000

100000

80000

60000

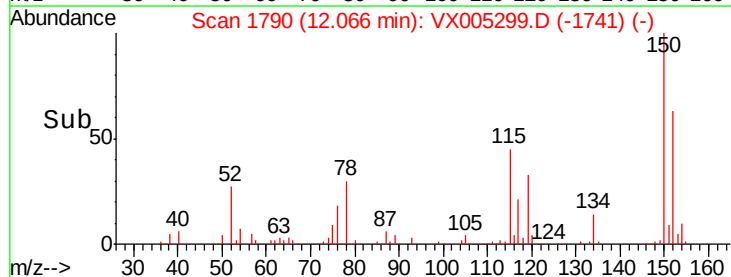
40000

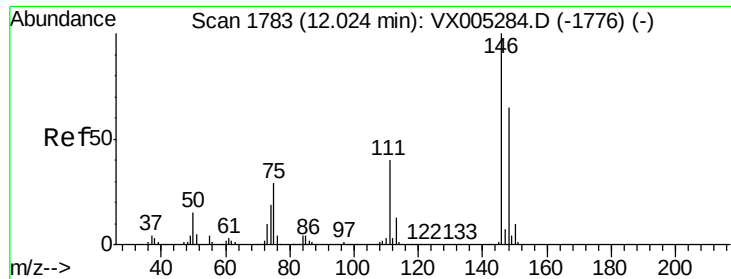
20000

0

Time-->

12.00 12.10 12.20

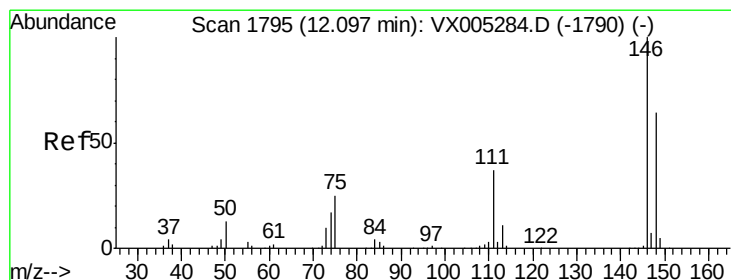
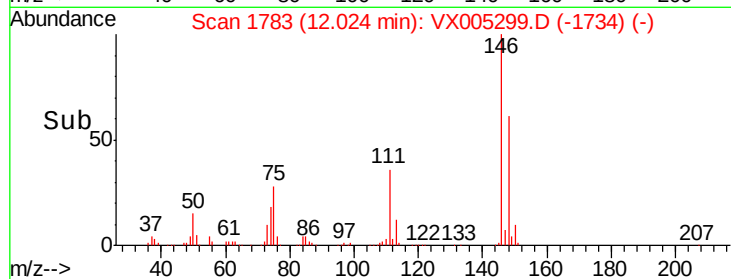
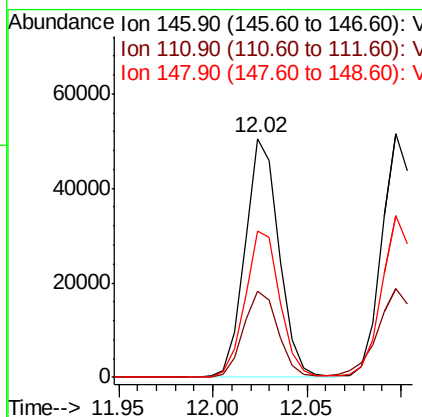
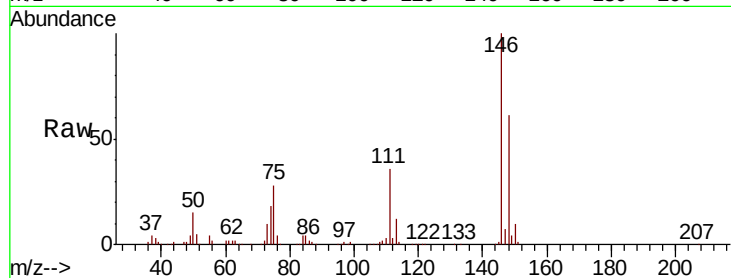




#87
 1,3-Dichlorobenzene
 Concen: 10.483 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

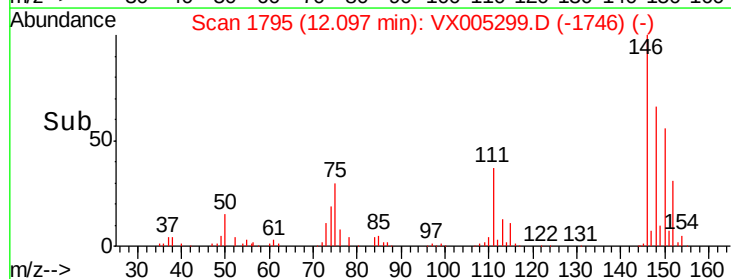
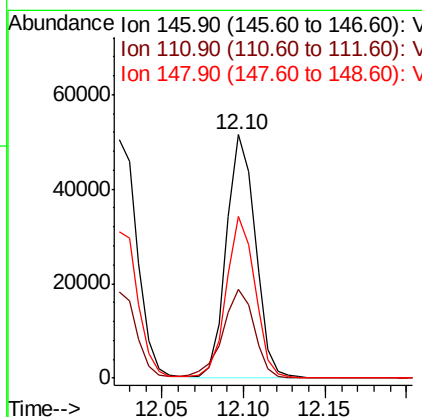
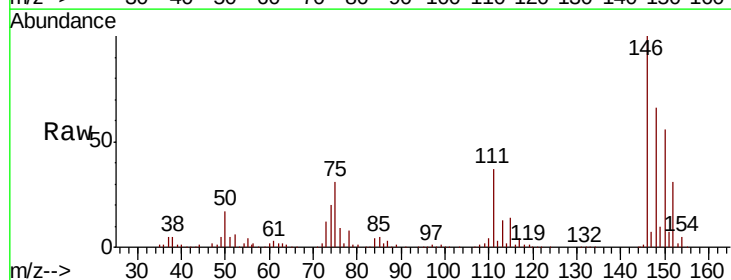
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

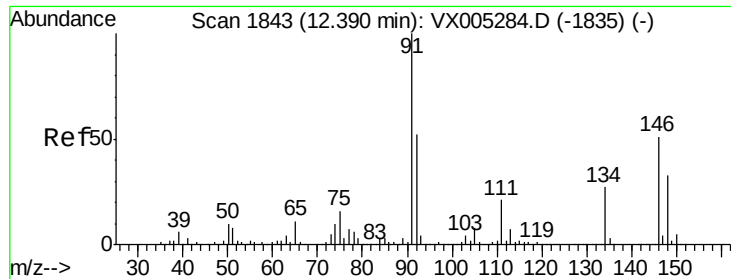
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	63.0	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 10.410 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.1	54.1
148	66.2	32.0	96.0





#89

n-Butylbenzene

Concen: 9.640 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005299.D

Acq: 12 Oct 2018 17:51

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

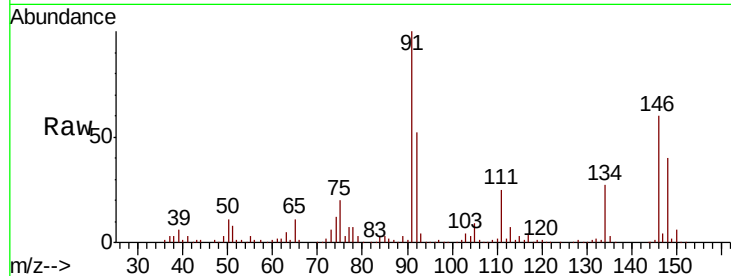
Tot Ion: 91 Resp: 91357

Ion Ratio Lower Upper

91 100

92 50.3 27.3 81.9

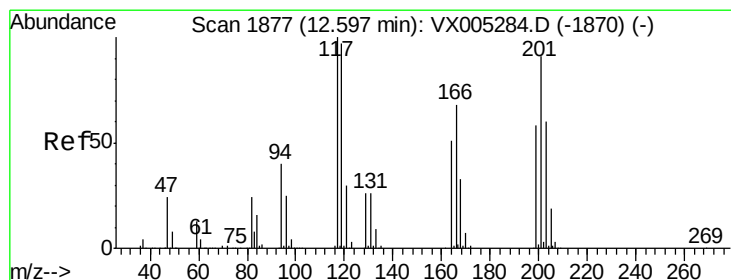
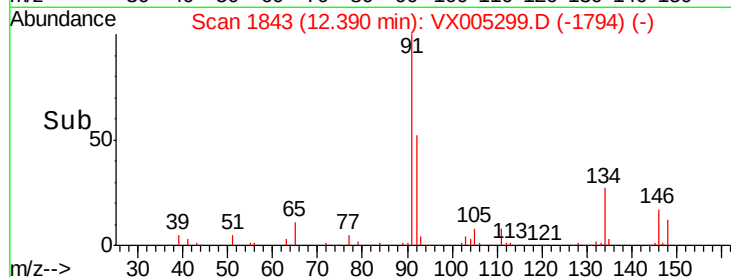
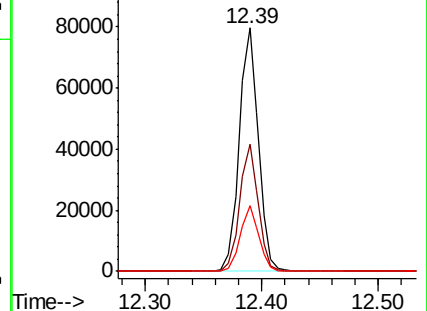
134 26.1 13.6 40.7



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

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

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



#90

Hexachloroethane

Concen: 9.459 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005299.D

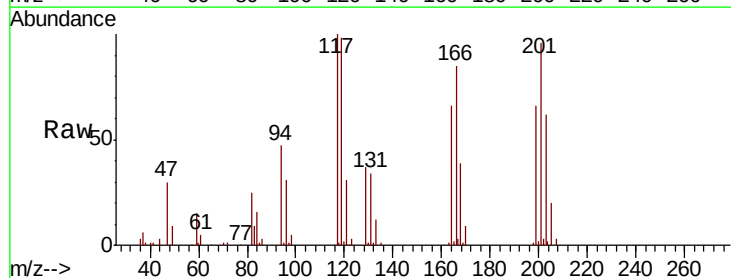
Acq: 12 Oct 2018 17:51

Tgt Ion: 117 Resp: 17016

Ion Ratio Lower Upper

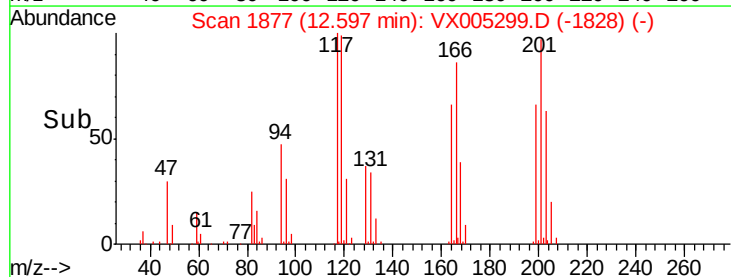
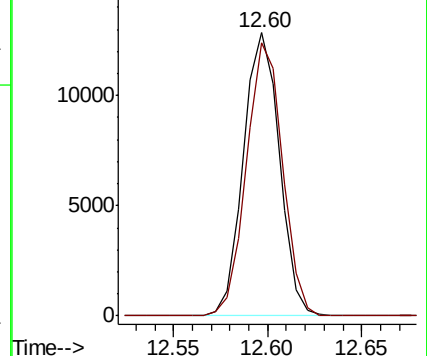
117 100

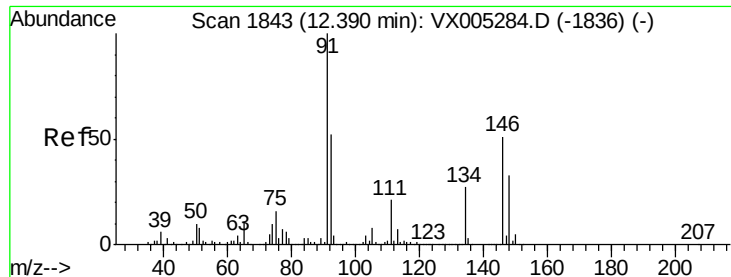
201 96.8 46.9 140.6



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

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

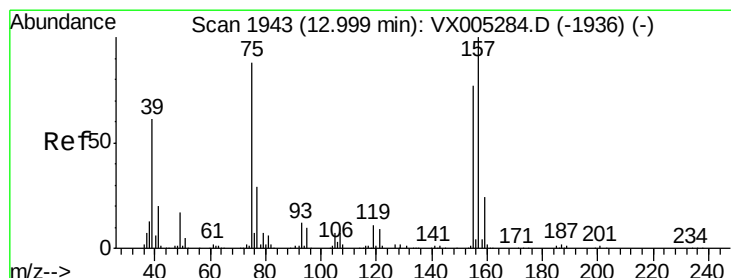
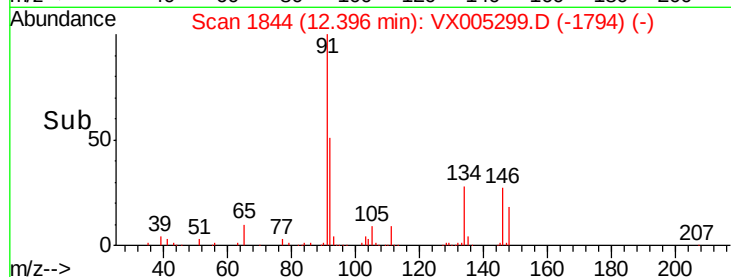
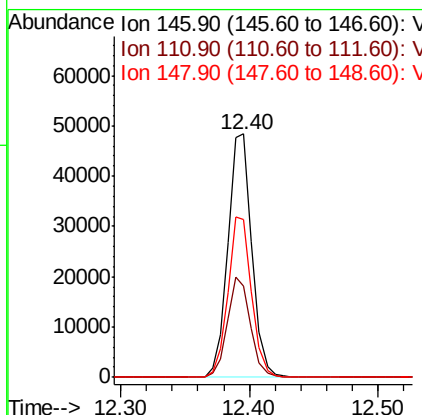
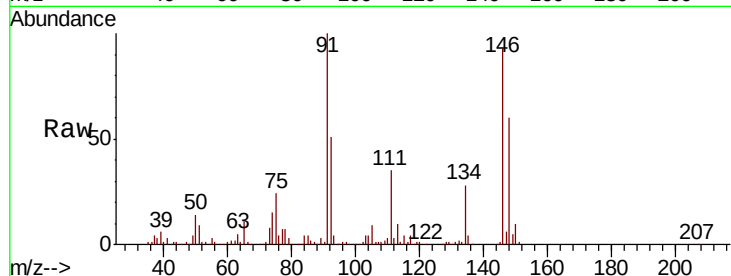




#91
 1,2-Dichlorobenzene
 Concen: 10.318 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

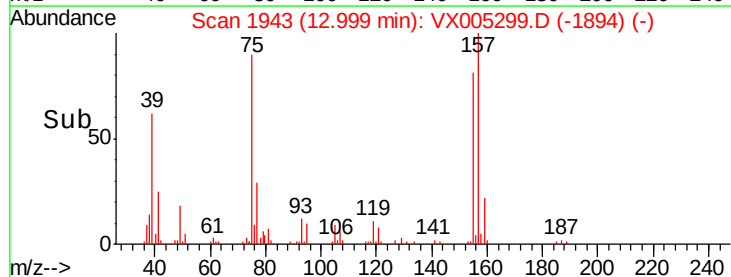
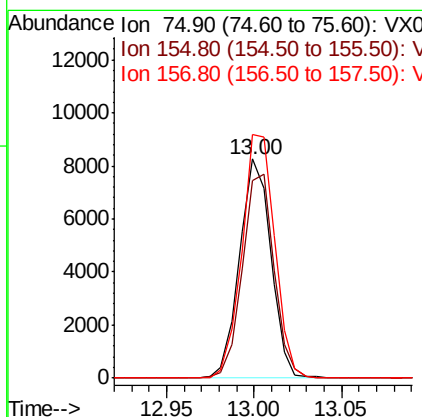
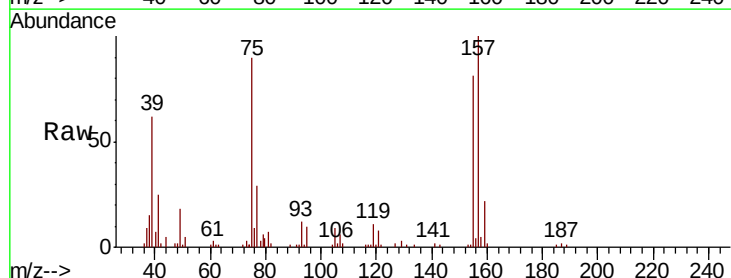
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

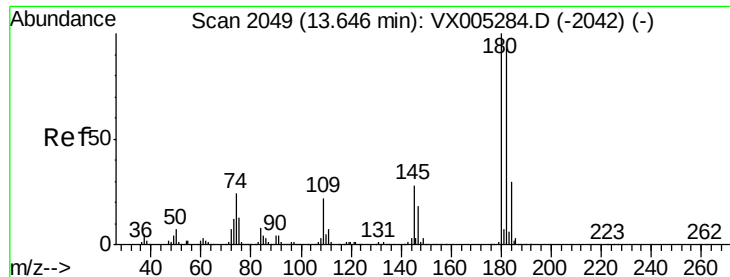
Tot Ion:146 Resp: 63306
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.1
 148 64.8 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.027 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion: 75 Resp: 10383
 Ion Ratio Lower Upper
 75 100
 155 93.4 48.0 144.2
 157 115.7 61.4 184.1

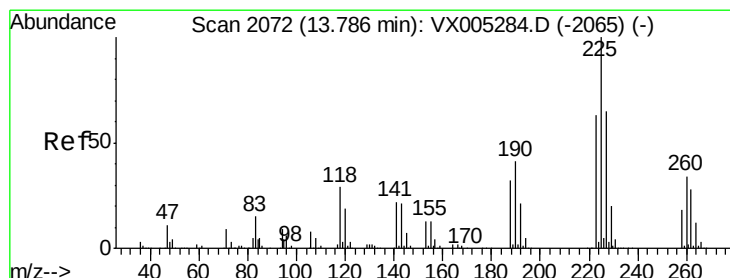
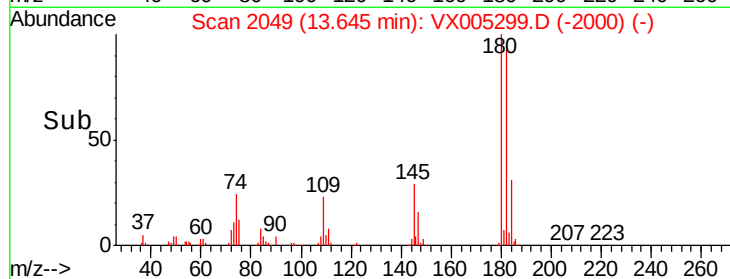
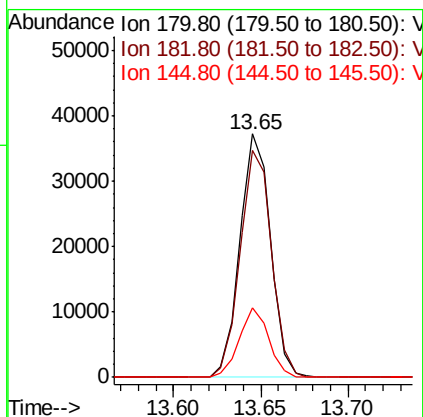
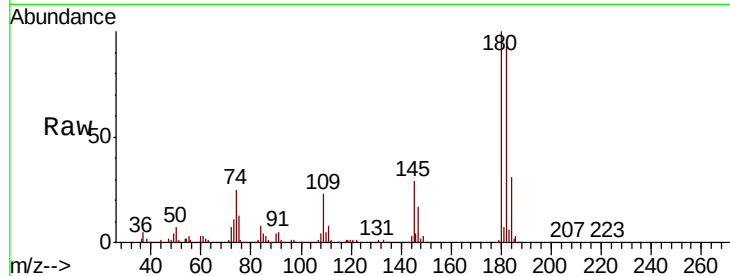




#93
 1,2,4-Trichlorobenzene
 Concen: 10.074 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

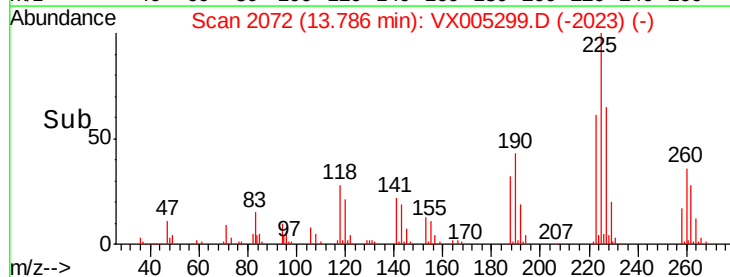
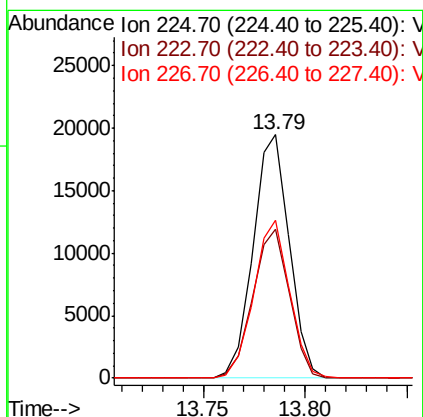
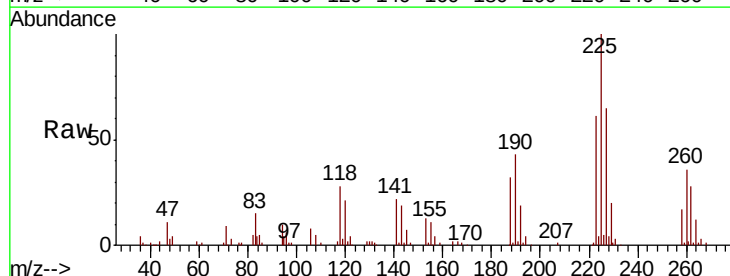
Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

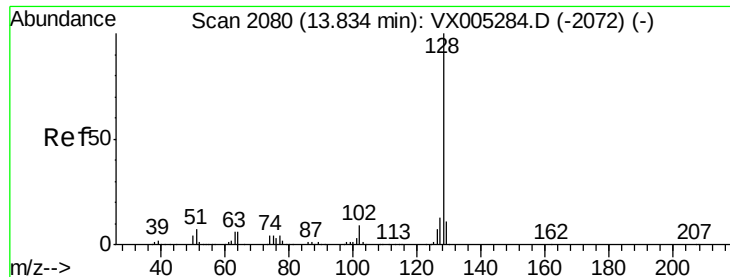
Tot Ion:180 Resp: 45347
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.4 145.0
 145 27.8 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 10.121 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005299.D
 Acq: 12 Oct 2018 17:51

Tgt Ion:225 Resp: 24063
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.1 90.5
 227 64.4 30.8 92.4

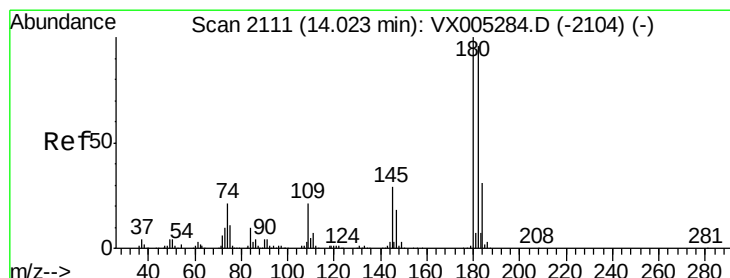
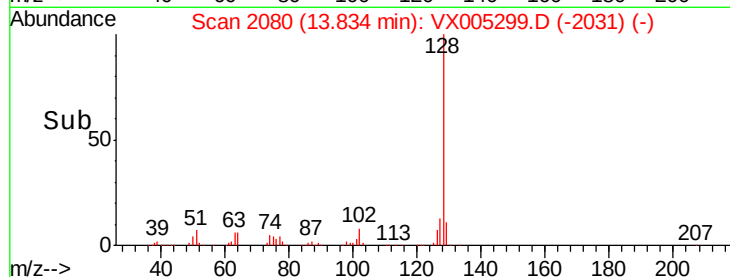
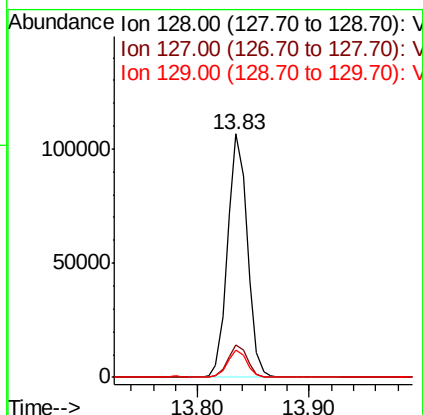
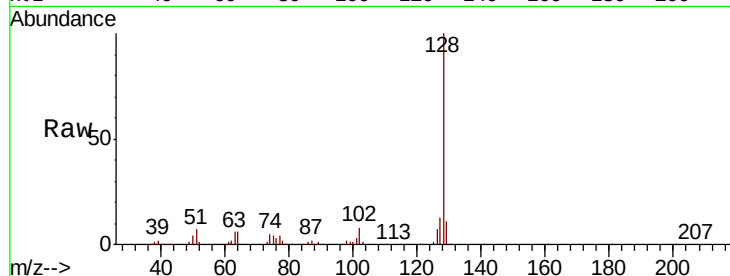




#95
Naphthalene
Concen: 10.001 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

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

Tot Ion:128 Resp: 130560
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 10.335 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005299.D
Acq: 12 Oct 2018 17:51

Tgt Ion:180 Resp: 47600
Ion Ratio Lower Upper
180 100
182 96.1 48.5 145.6
145 29.8 14.9 44.9

