

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025678.D
 Acq On : 27 Jul 2018 18:49
 Operator : MD/SY
 Sample : J3762-08 LOO 10.0PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jul 28 03:42:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	245525	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144091	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133119	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	4.89	113	106229	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	7.57	98	378146	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	10.31	95	144218	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	19344	7.88	ug/l	96
3) Chloromethane	1.33	50	21470	9.15	ug/l	98
4) Vinyl Chloride	1.40	62	20772	9.41	ug/l	96
5) Bromomethane	1.61	94	9699	8.99	ug/l	92
6) Chloroethane	1.69	64	12624	9.78	ug/l	99
7) Trichlorofluoromethane	1.88	101	31176	9.76	ug/l	95
8) Diethyl Ether	2.10	74	11758	10.18	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	18565	10.05	ug/l	99
10) Methyl Iodide	2.41	142	10064	13.43	ug/l	99
11) Tert butyl alcohol	2.83	59	29182	52.66	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17624	10.10	ug/l	90
13) Acrolein	2.19	56	14004	68.30	ug/l	95
14) Allyl chloride	2.59	41	33209	10.59	ug/l	89
15) Acrylonitrile	2.94	53	59284	53.58	ug/l	100
16) Acetone	2.32	43	56118	45.47	ug/l	96
17) Carbon Disulfide	2.47	76	53428	9.46	ug/l	100
18) Methyl Acetate	2.62	43	27535	9.27	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	64027	10.13	ug/l	99
20) Methylene Chloride	2.70	84	21049	9.62	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	19630	9.74	ug/l	99
22) Diisopropyl ether	3.57	45	62750	10.16	ug/l	97
23) Vinyl Acetate	3.53	43	280844	52.17	ug/l	97
24) 1,1-Dichloroethane	3.45	63	37948	10.23	ug/l	99
25) 2-Butanone	4.27	43	86742	51.64	ug/l	98
26) 2,2-Dichloropropane	4.23	77	30960	9.19	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	22165	9.75	ug/l	99
28) Bromochloromethane	4.55	49	16885	10.18	ug/l	97
29) Tetrahydrofuran	4.64	42	54327	53.98	ug/l	97
30) Chloroform	4.68	83	38539	9.85	ug/l	98
31) Cyclohexane	5.00	56	34343	9.55	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	34915	9.91	ug/l	99
36) 1,1-Dichloropropene	5.14	75	28462	9.92	ug/l	99
37) Ethyl Acetate	4.38	43	32141	10.80	ug/l	99
38) Carbon Tetrachloride	5.14	117	29763	9.16	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	31347	9.53	ug/l	96
40) Benzene	5.39	78	79879	9.52	ug/l	99
41) Methacrylonitrile	4.54	41	17173	10.39	ug/l	98
42) 1,2-Dichloroethane	5.41	62	32144	9.95	ug/l	100
43) Isopropyl Acetate	5.55	43	50649	10.30	ug/l	99
44) Trichloroethene	6.19	130	24005	10.28	ug/l	97
45) 1,2-Dichloropropane	6.44	63	21260	9.72	ug/l	99
46) Dibromomethane	6.56	93	15729	9.92	ug/l	97
47) Bromodichloromethane	6.76	83	29124	9.63	ug/l	96
48) Methyl methacrylate	6.63	41	24207	10.05	ug/l	100
49) 1,4-Dioxane	6.62	88	12710	216.75	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	155772	50.61	ug/l	100
52) Toluene	7.64	92	51849	9.95	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	32180	9.48	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	32211	9.24	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	20887	9.65	ug/l	97
56) Ethyl methacrylate	8.02	69	30446	9.84	ug/l	100
57) 1,3-Dichloropropane	8.25	76	36069	9.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	182	7.20	ug/l #	47
59) 2-Hexanone	8.36	43	124874	51.75	ug/l	99
60) Dibromochloromethane	8.48	129	23216	9.09	ug/l	99
61) 1,2-Dibromoethane	8.59	107	23048	9.57	ug/l	99
64) Tetrachloroethene	8.23	164	20434	9.81	ug/l	96
65) Chlorobenzene	9.12	112	59295	9.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	22453	10.17	ug/l	99
67) Ethyl Benzene	9.25	91	98306	9.73	ug/l	97
68) m/p-Xylenes	9.38	106	78104	20.13	ug/l	96
69) o-Xylene	9.78	106	37305	9.84	ug/l	100
70) Styrene	9.80	104	60484	9.88	ug/l	99
71) Bromoform	9.96	173	17716	9.26	ug/l #	95
73) Isopropylbenzene	10.17	105	98185	9.98	ug/l	100
74) N-amyl acetate	10.02	43	42317	10.54	ug/l	98
75) 1,1,1,2-Tetrachloroethane	10.46	83	35723	10.50	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	40429	12.73	ug/l	85
77) Bromobenzene	10.45	156	27331	10.08	ug/l	98
78) n-propylbenzene	10.59	91	116481	10.15	ug/l	99
79) 2-Chlorotoluene	10.66	91	70565	10.50	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	85640	10.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	40429	31.93	ug/l #	100
82) 4-Chlorotoluene	10.78	91	82977	10.47	ug/l	99
83) tert-Butylbenzene	11.10	119	82715	9.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	85892	10.15	ug/l	96
85) sec-Butylbenzene	11.33	105	102154	10.08	ug/l	100
86) p-Isopropyltoluene	11.48	119	92966	10.25	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	52362	10.40	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	52592	10.02	ug/l	98
89) n-Butylbenzene	11.90	91	82581	9.86	ug/l	99
90) Hexachloroethane	12.15	117	14932	9.26	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	51805	10.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8388	10.40	ug/l	99

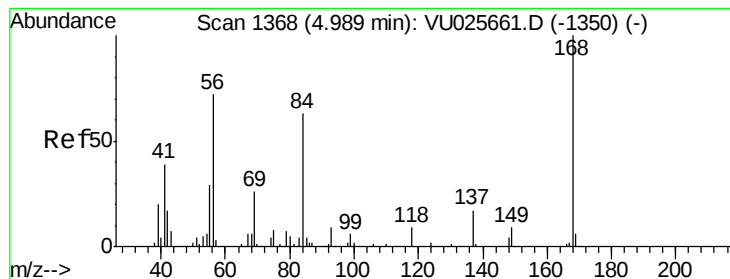
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	33583	10.08	ug/l	99
94) Hexachlorobutadiene	13.70	225	17508	9.97	ug/l	97
95) Naphthalene	13.75	128	97656	10.15	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	33290	10.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

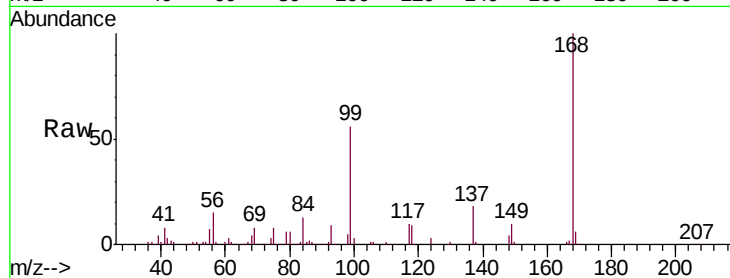
LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 162451

Ion Ratio Lower Upper

168 100

99 55.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

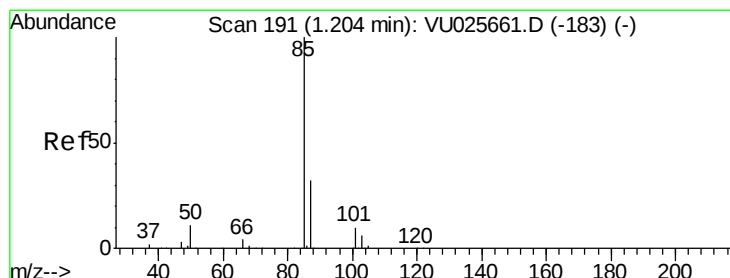
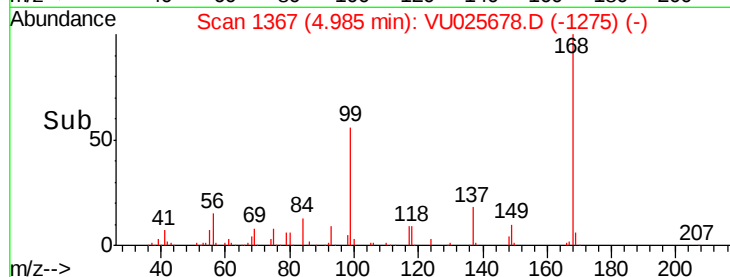
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 7.88 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025678.D

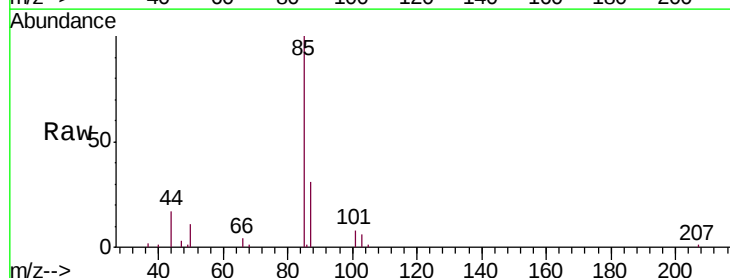
Acq: 27 Jul 2018 18:49

Tgt Ion: 85 Resp: 19344

Ion Ratio Lower Upper

85 100

87 30.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.20

20000

15000

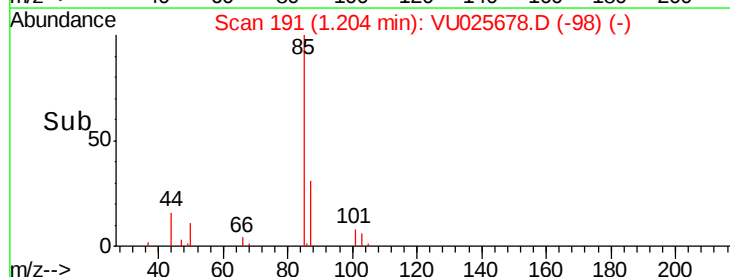
10000

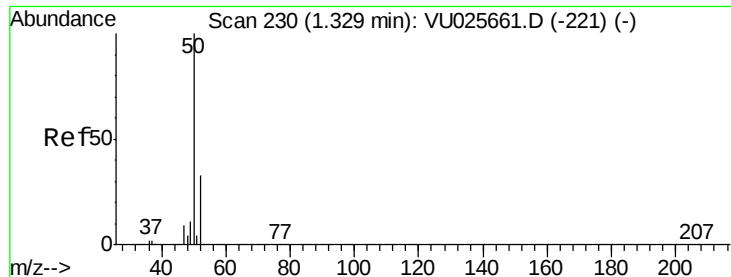
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 9.15 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

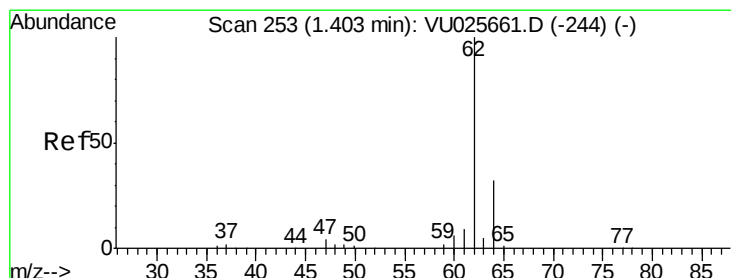
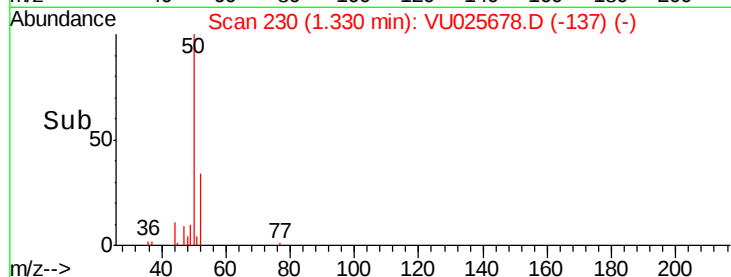
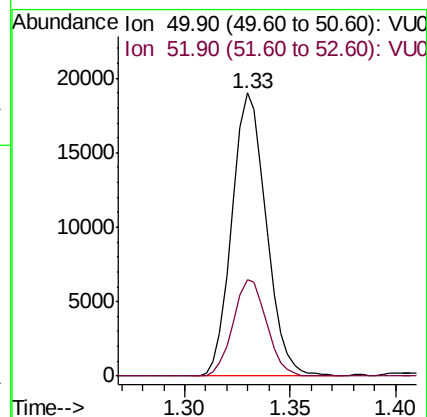
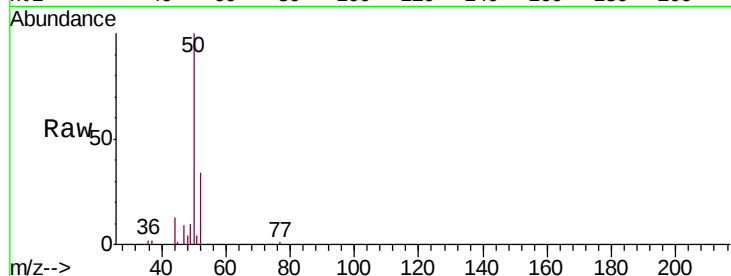
LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 21470

Ion Ratio Lower Upper

50 100

52 34.3 26.5 39.7



#4

Vinyl Chloride

Concen: 9.41 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025678.D

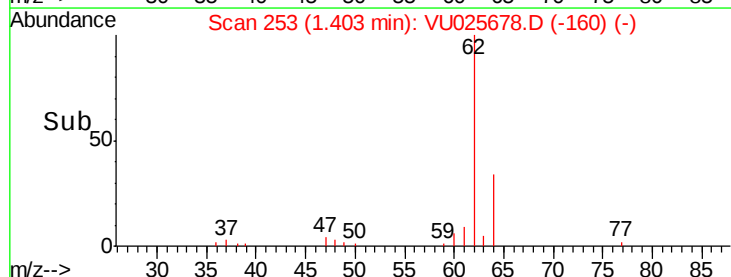
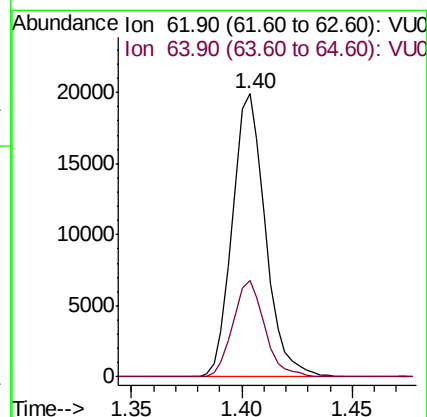
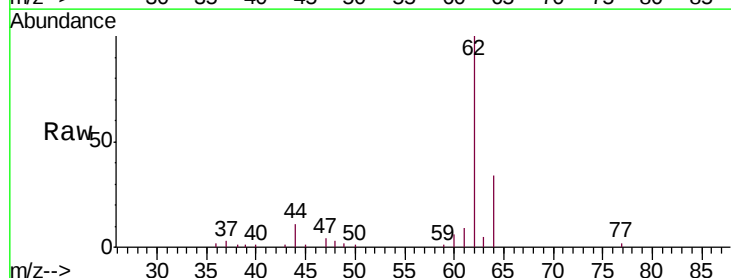
Acq: 27 Jul 2018 18:49

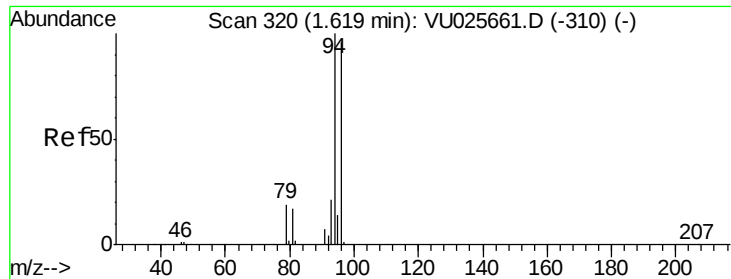
Tgt Ion: 62 Resp: 20772

Ion Ratio Lower Upper

62 100

64 34.1 25.4 38.0





#5

Bromomethane

Concen: 8.99 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

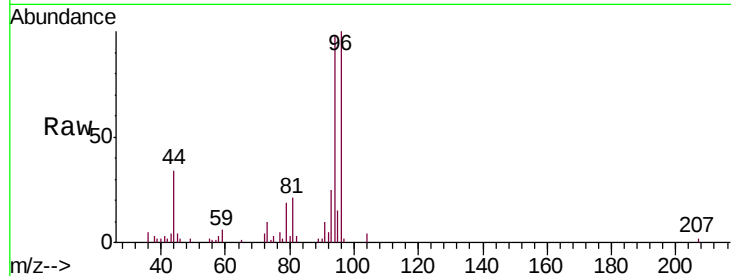
LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 9699

Ion Ratio Lower Upper

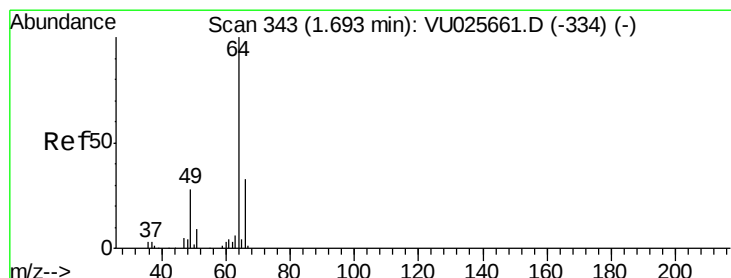
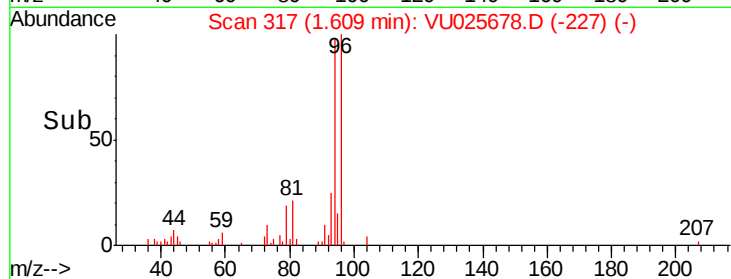
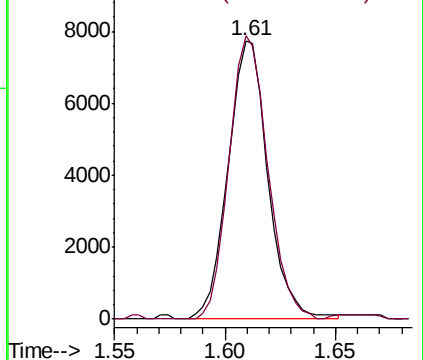
94 100

96 101.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 9.78 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025678.D

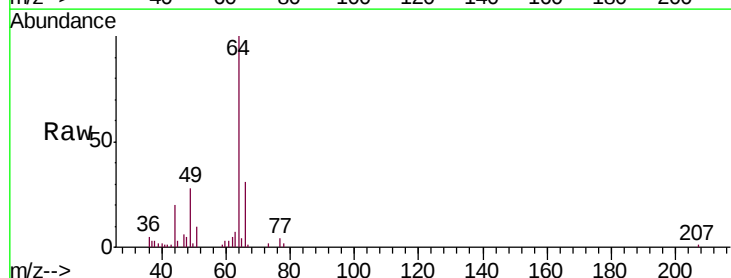
Acq: 27 Jul 2018 18:49

Tgt Ion: 64 Resp: 12624

Ion Ratio Lower Upper

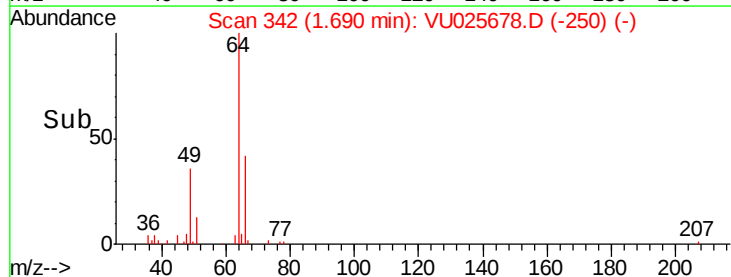
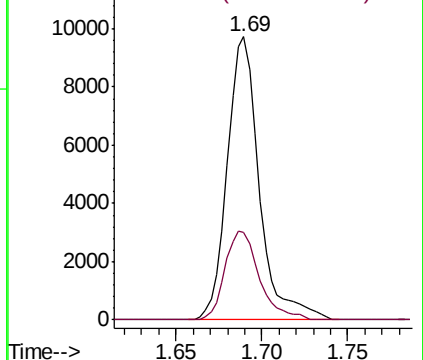
64 100

66 30.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



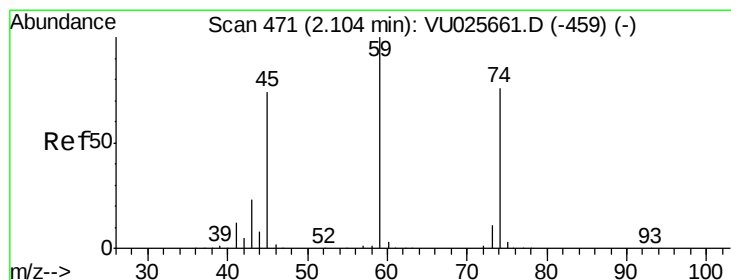
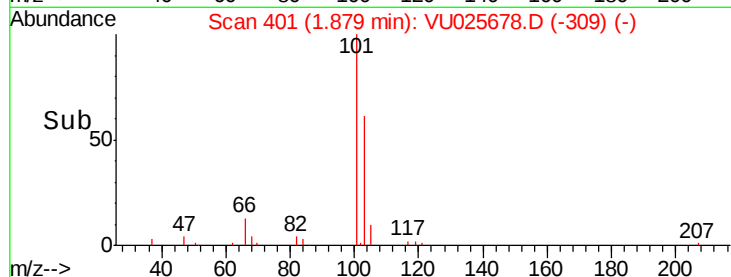
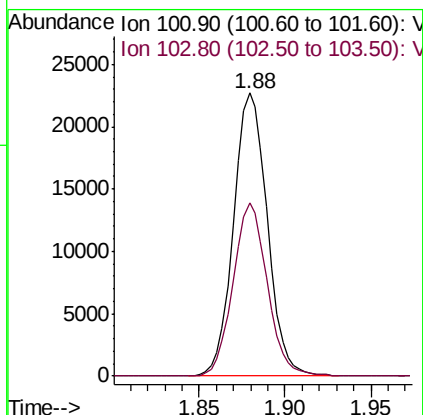
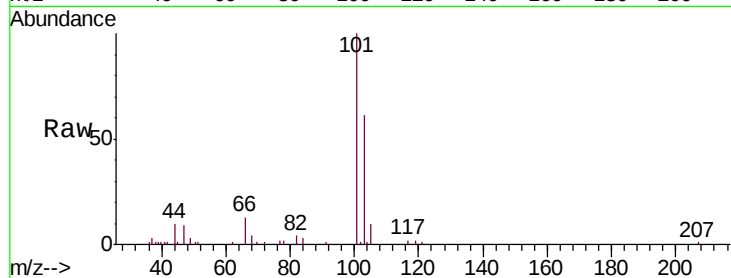


#7

Trichlorofluoromethane
 Concen: 9.76 ug/l
 RT: 1.88 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

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

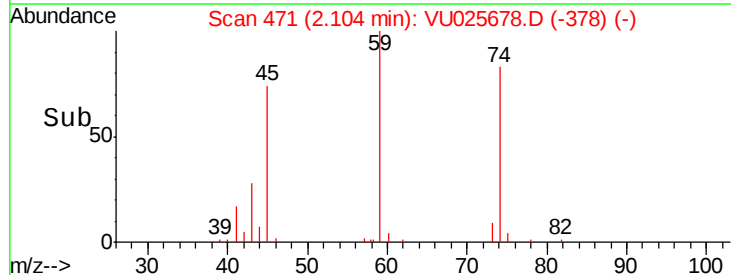
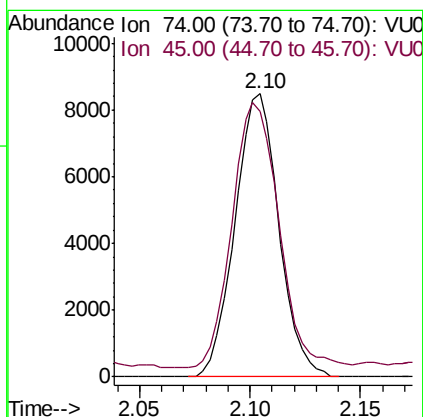
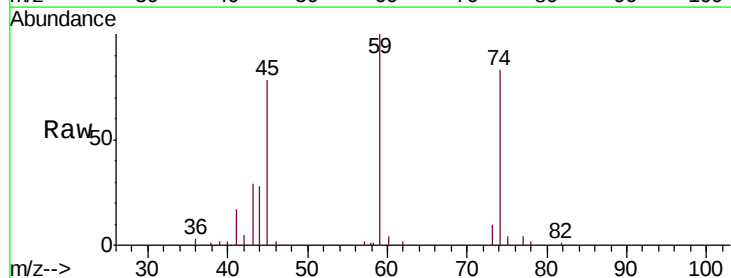
Tot Ion:101 Resp: 31176
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.2 78.2

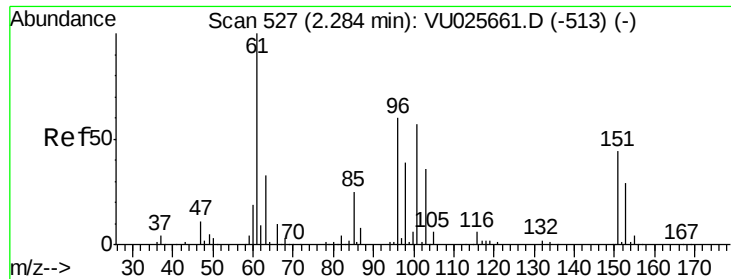


#8

Diethyl Ether
 Concen: 10.18 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 74 Resp: 11758
 Ion Ratio Lower Upper
 74 100
 45 100.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.05 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

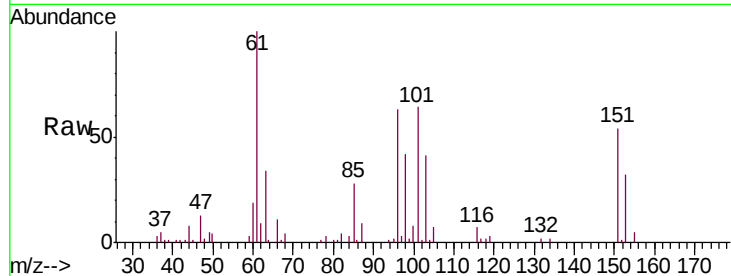
Tot Ion:101 Resp: 18565

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

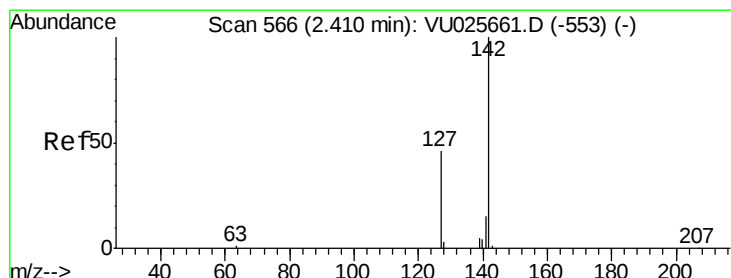
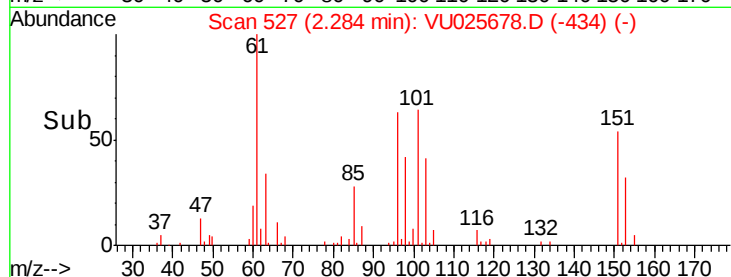
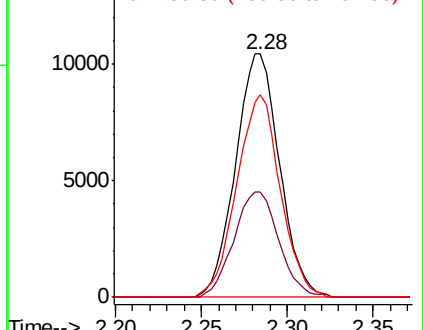
151 82.2 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.43 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

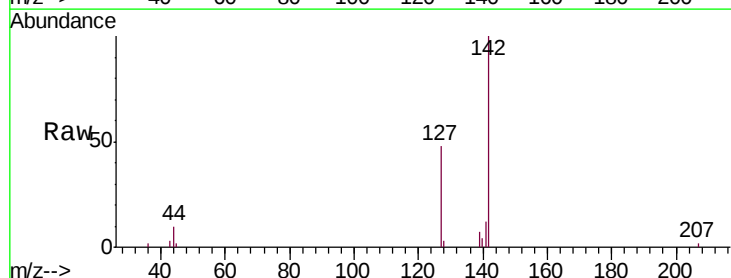
Tgt Ion:142 Resp: 10064

Ion Ratio Lower Upper

142 100

127 45.9 36.5 54.7

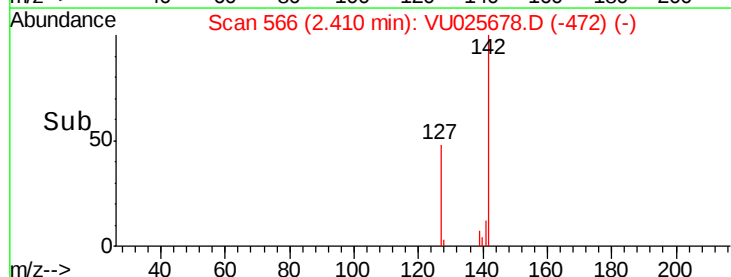
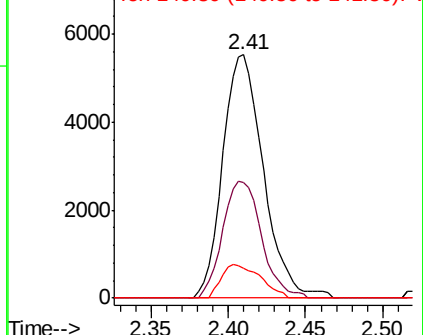
141 13.3 11.4 17.2

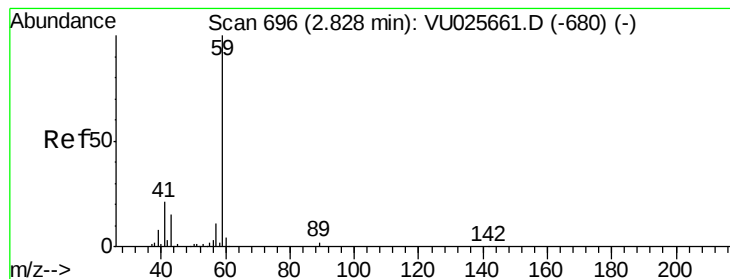


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 52.66 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

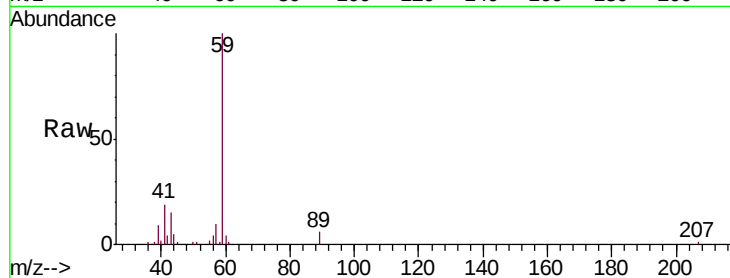
LOQ-WATER-02-QT3-2018

Tot Ion: 59 Resp: 29182

Ion Ratio Lower Upper

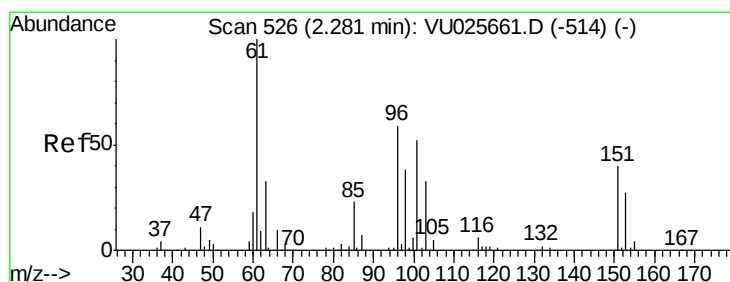
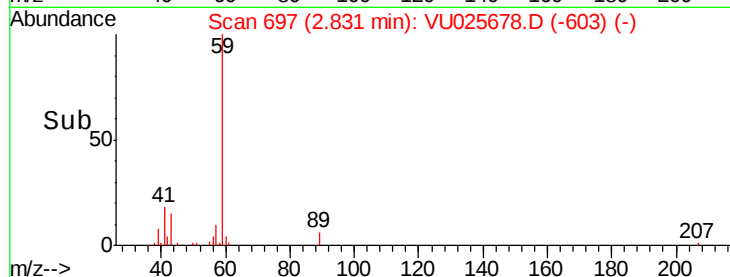
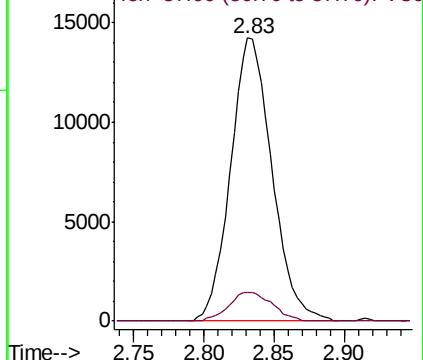
59 100

57 10.6 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 10.10 ug/l

RT: 2.28 min Scan# 526

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

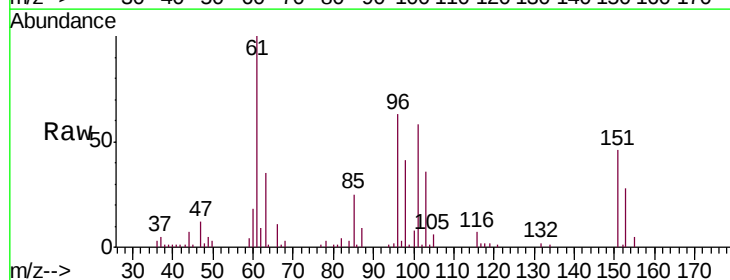
Tgt Ion: 96 Resp: 17624

Ion Ratio Lower Upper

96 100

61 158.1 140.2 210.4

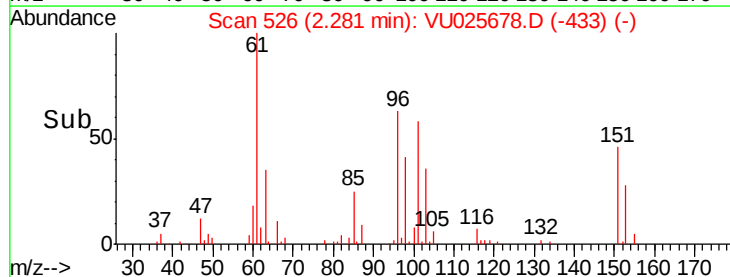
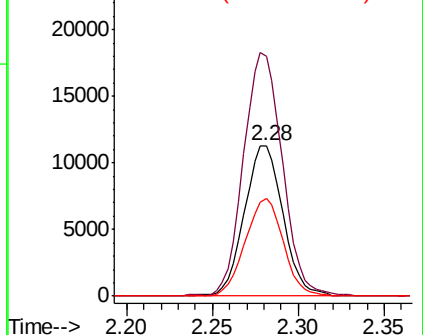
98 64.8 49.3 73.9

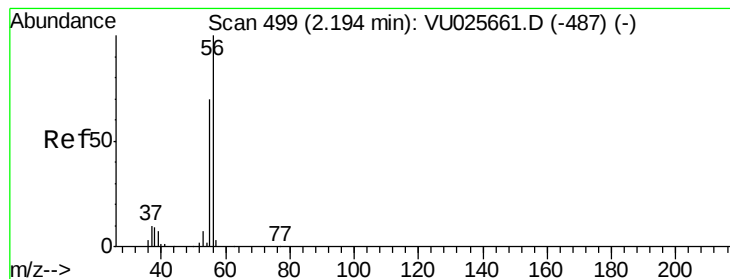


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 68.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

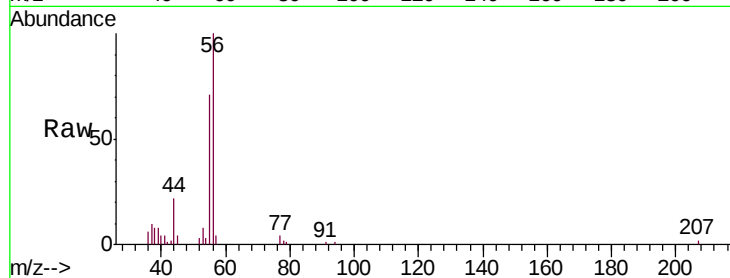
LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 14004

Ion Ratio Lower Upper

56 100

55 75.4 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

10000

8000

6000

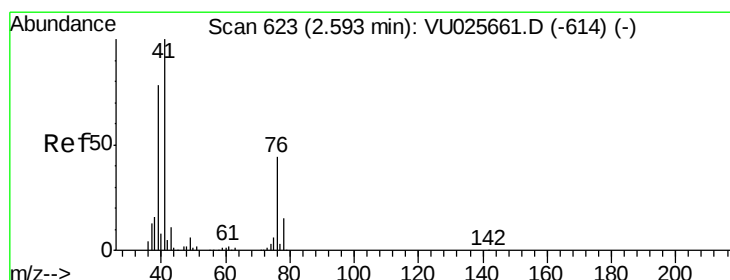
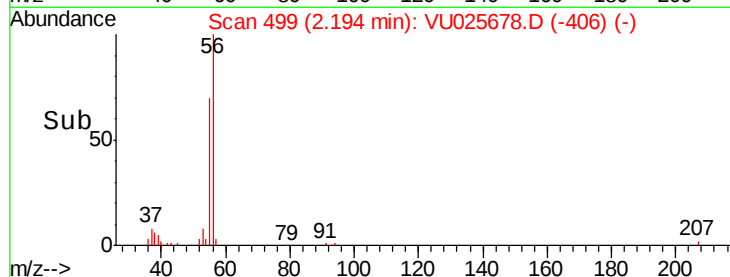
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 10.59 ug/l

RT: 2.59 min Scan# 622

Delta R.T. -0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

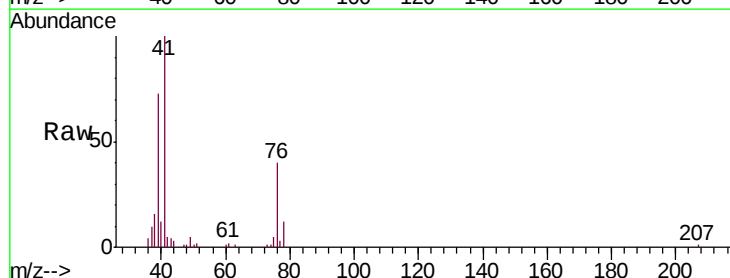
Tgt Ion: 41 Resp: 33209

Ion Ratio Lower Upper

41 100

39 64.1 60.6 91.0

76 34.1 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

40000

30000

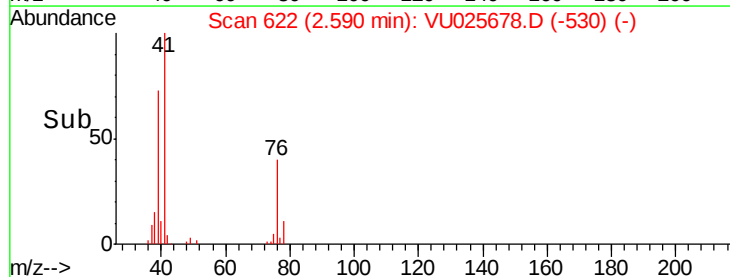
20000

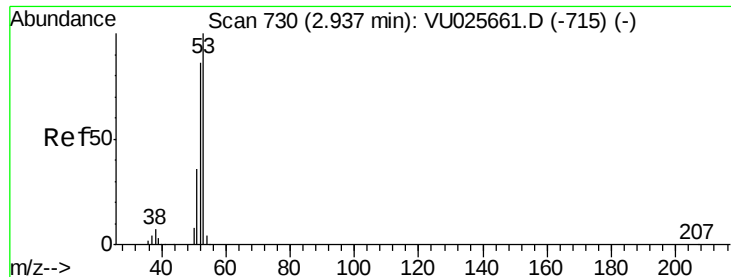
10000

0

Time-->

2.50 2.60 2.70





#15

Acrylonitrile

Concen: 53.58 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

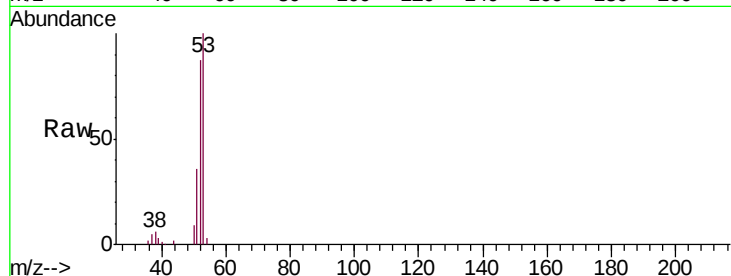
Tot Ion: 53 Resp: 59284

Ion Ratio Lower Upper

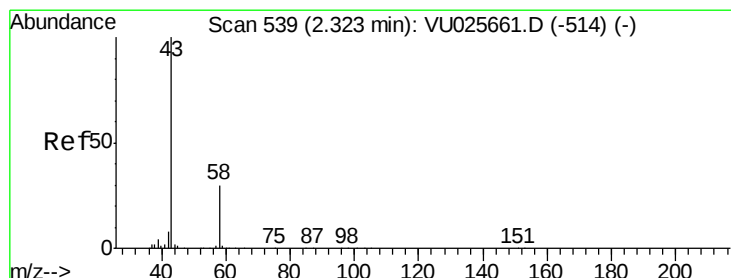
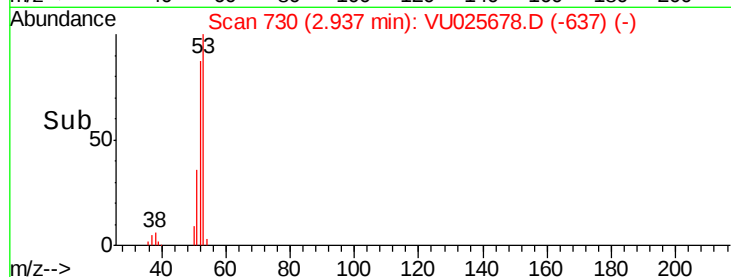
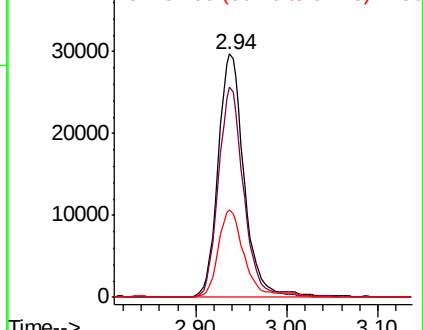
53 100

52 83.5 66.6 99.8

51 36.4 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 45.47 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025678.D

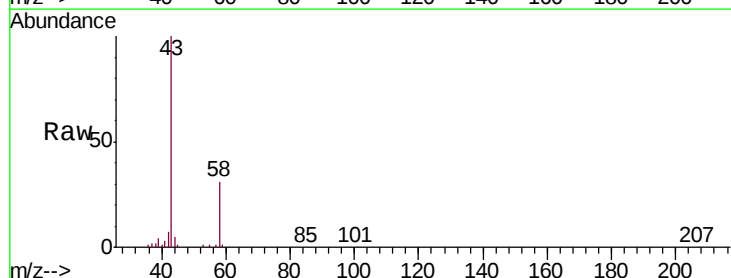
Acq: 27 Jul 2018 18:49

Tgt Ion: 43 Resp: 56118

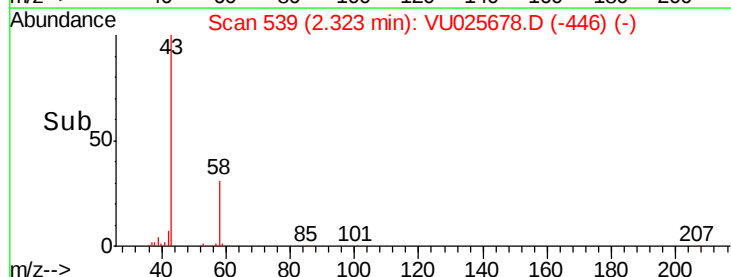
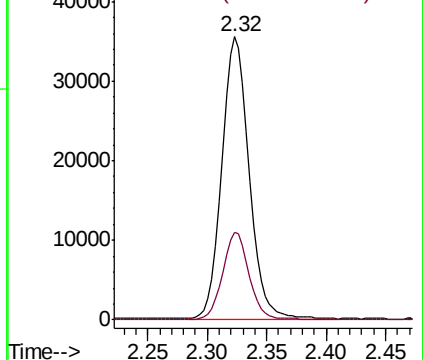
Ion Ratio Lower Upper

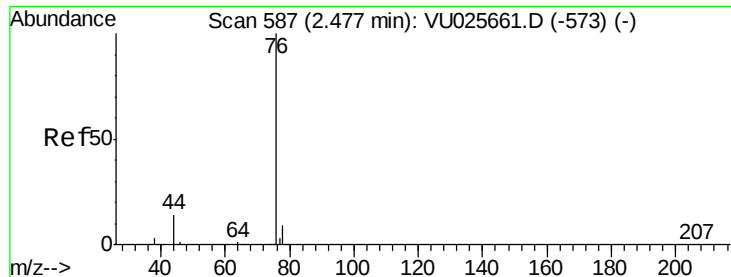
43 100

58 31.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 9.46 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

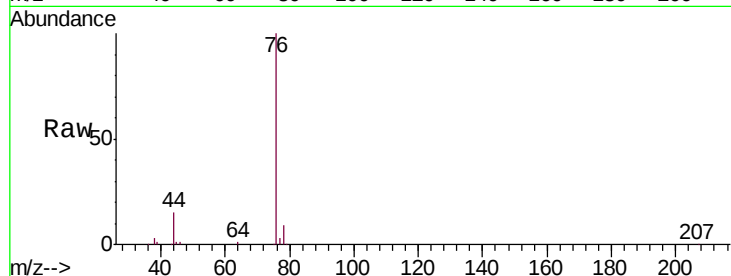
LOQ-WATER-02-QT3-2018

Tot Ion: 76 Resp: 53428

Ion Ratio Lower Upper

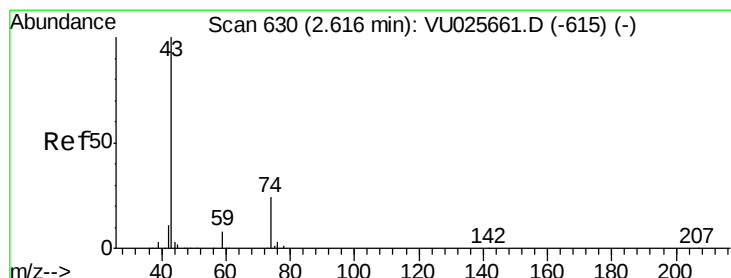
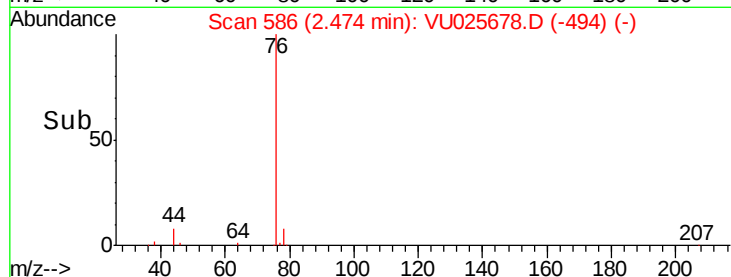
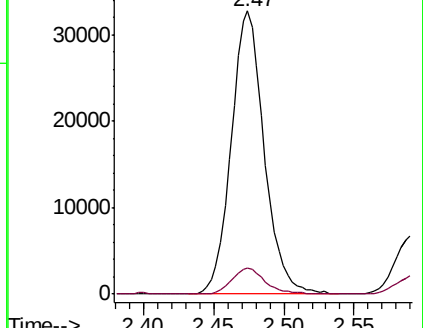
76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)



#18

Methyl Acetate

Concen: 9.27 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025678.D

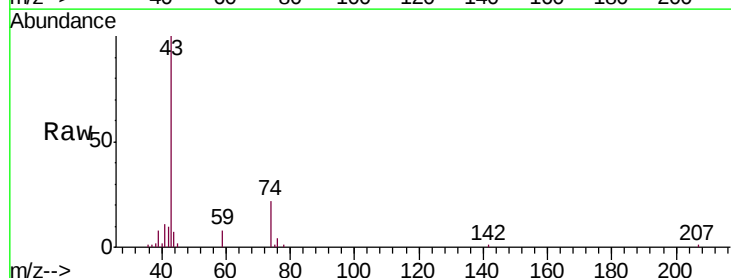
Acq: 27 Jul 2018 18:49

Tgt Ion: 43 Resp: 27535

Ion Ratio Lower Upper

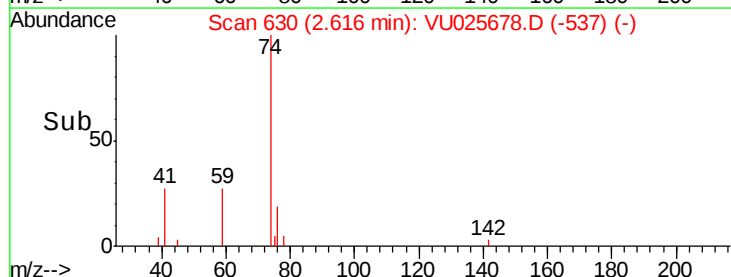
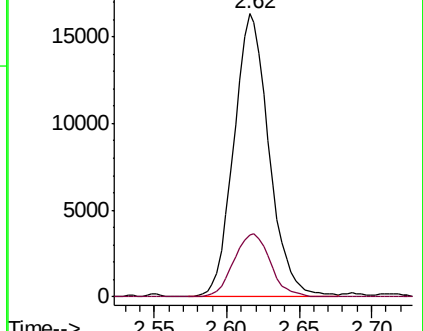
43 100

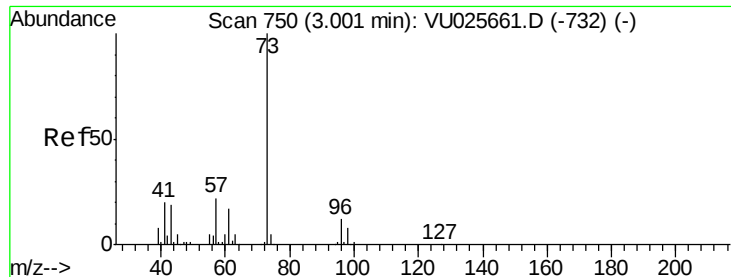
74 23.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

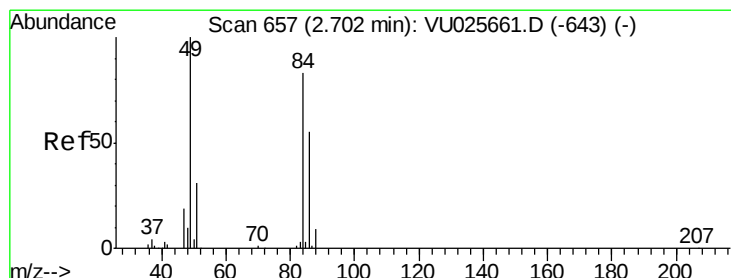
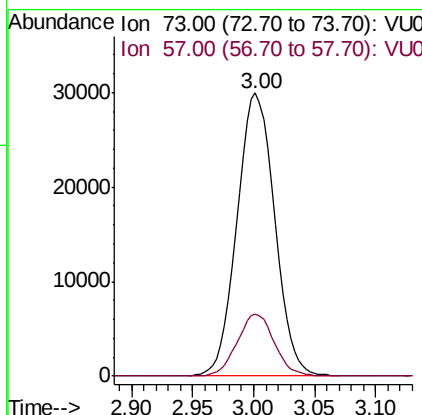
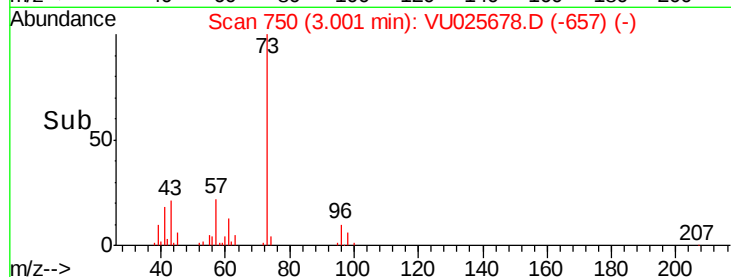
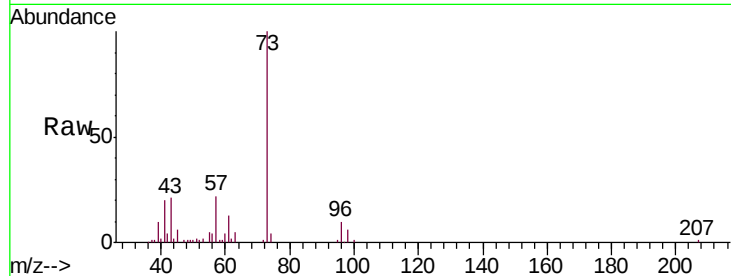




#19
Methyl tert-butyl Ether
Concen: 10.13 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

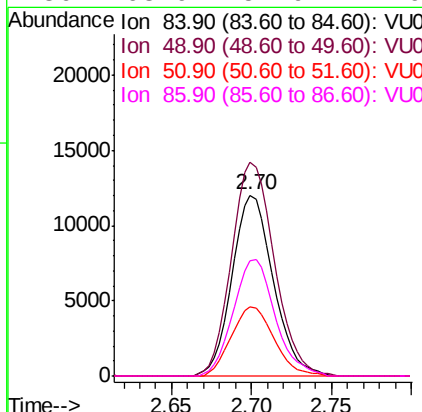
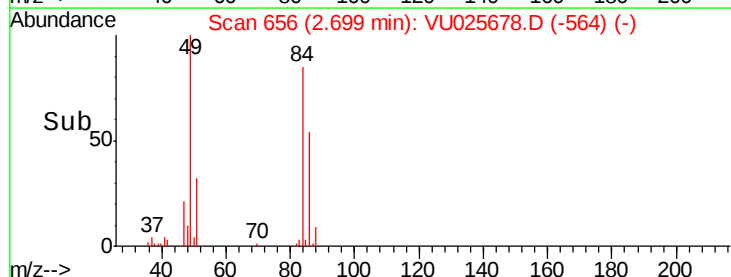
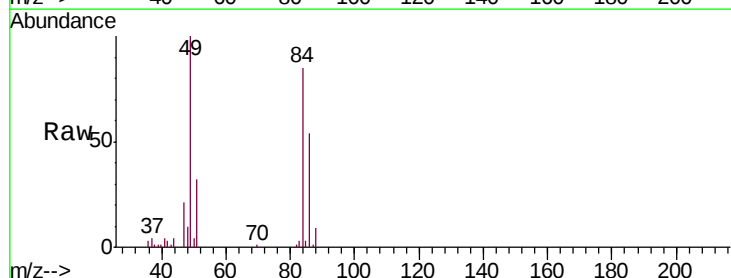
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

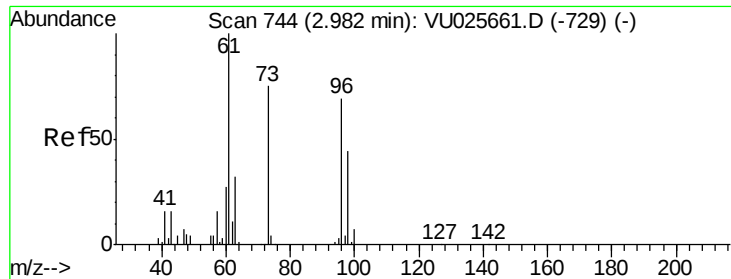
Tot Ion: 73 Resp: 64027
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2



#20
Methylene Chloride
Concen: 9.62 ug/l
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 84 Resp: 21049
Ion Ratio Lower Upper
84 100
49 118.1 101.8 152.6
51 38.2 30.8 46.2
86 63.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 9.74 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

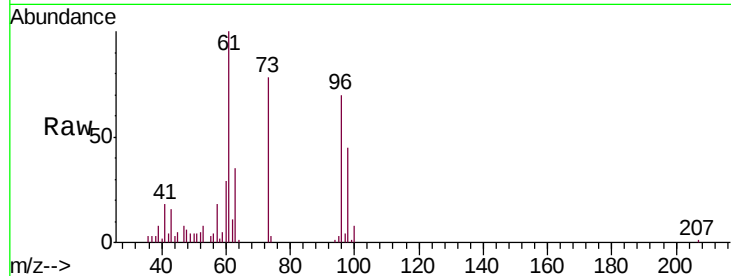
Tot Ion: 96 Resp: 19630

Ion Ratio Lower Upper

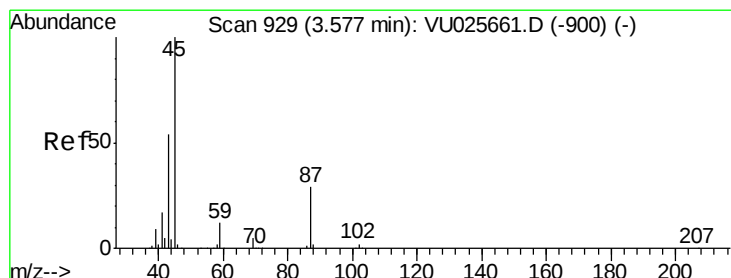
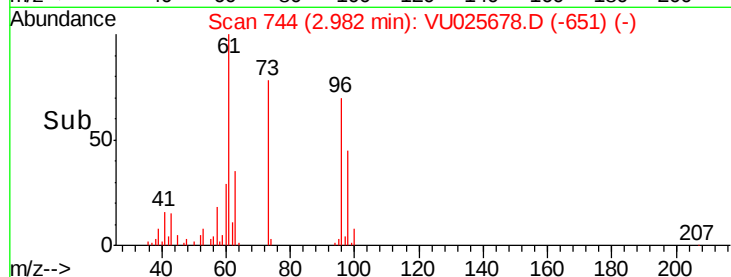
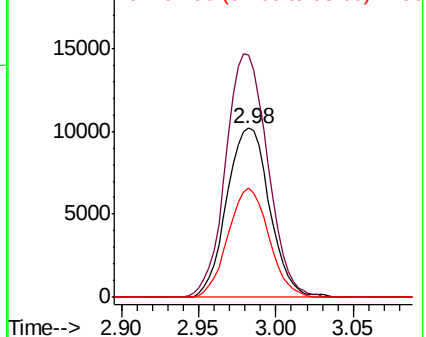
96 100

61 143.2 114.5 171.7

98 64.8 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 10.16 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Tgt Ion: 45 Resp: 62750

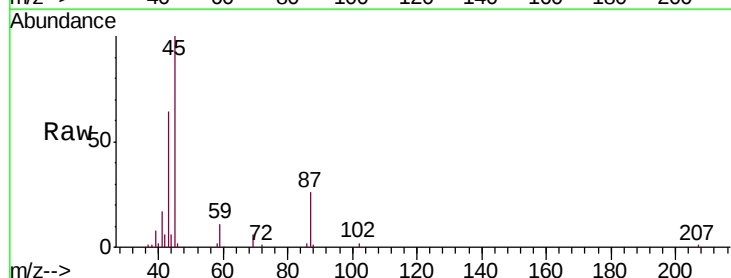
Ion Ratio Lower Upper

45 100

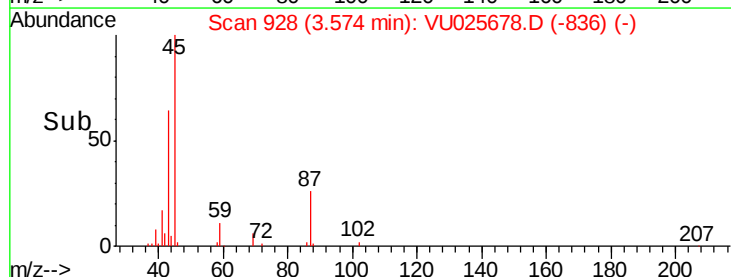
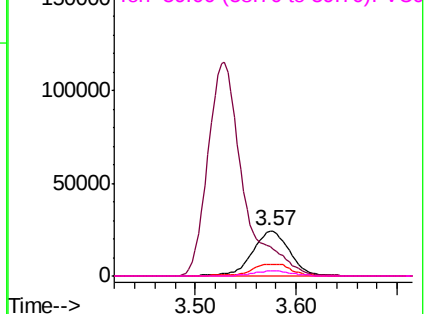
43 62.3 50.9 76.3

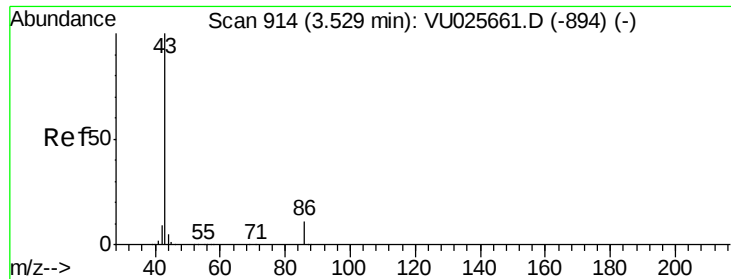
87 26.1 23.8 35.8

59 11.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 52.17 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

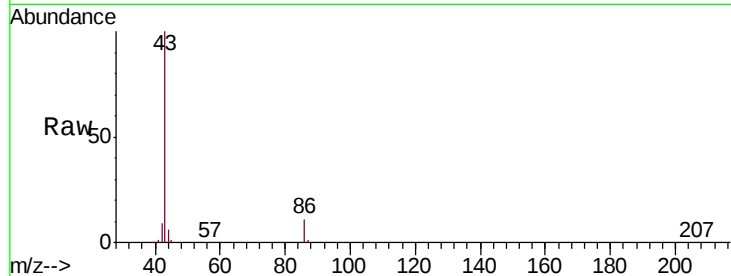
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 280844

Ion Ratio Lower Upper

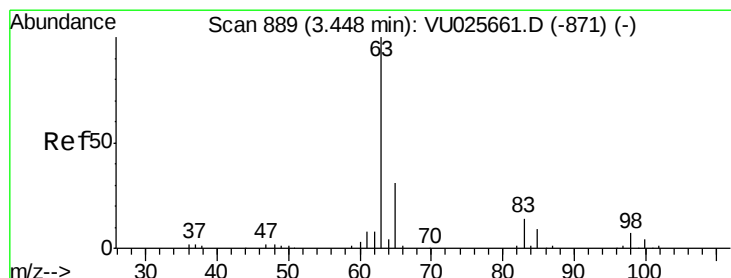
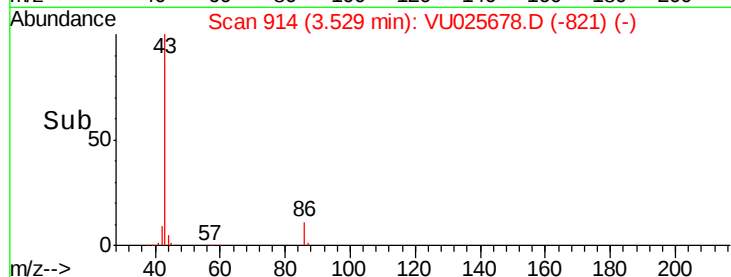
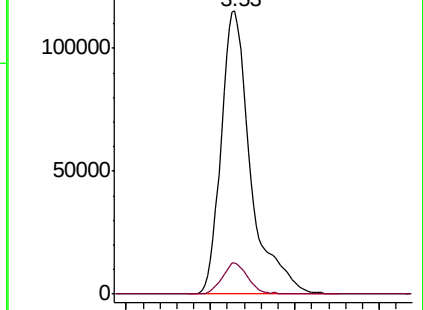
43 100

86 11.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-894) (-)

Ion 86.00 (85.70 to 86.70): VU025661.D (-894) (-)



#24

1,1-Dichloroethane

Concen: 10.23 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

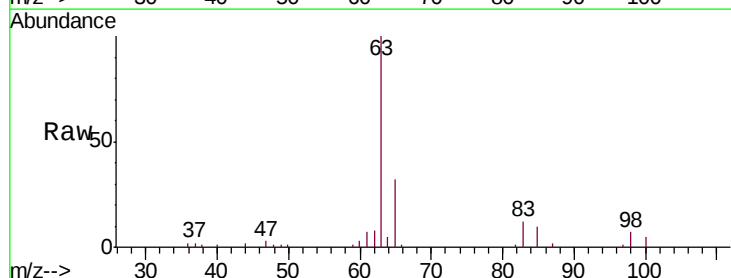
Tgt Ion: 63 Resp: 37948

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

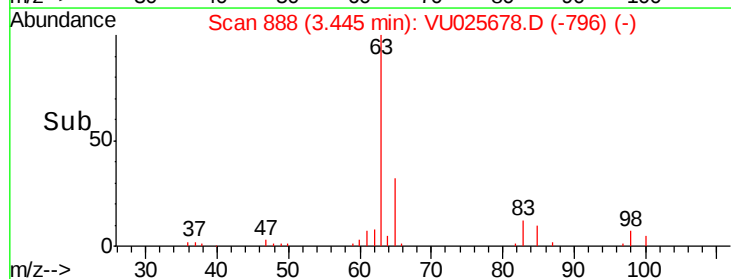
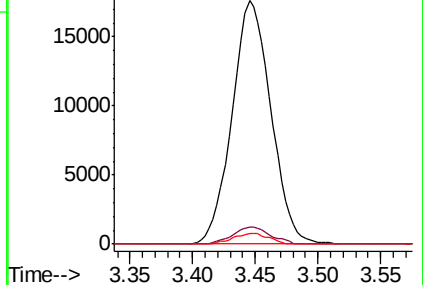
100 4.6 2.0 6.0

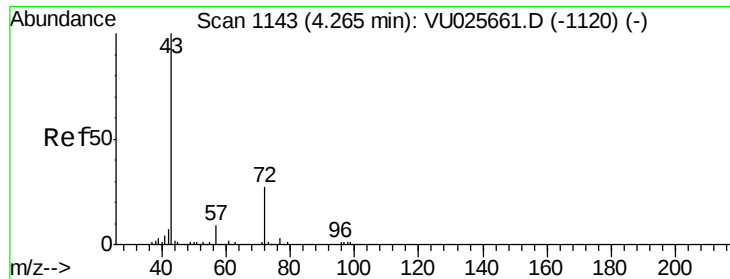


Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025661.D (-871) (-)

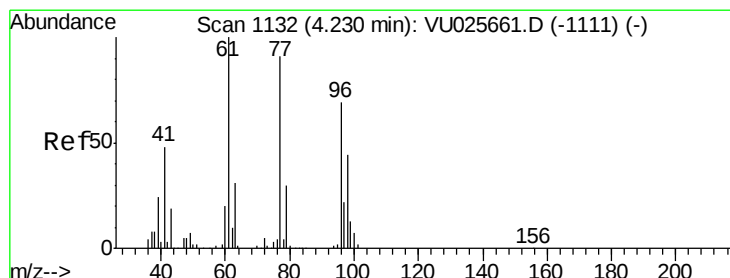
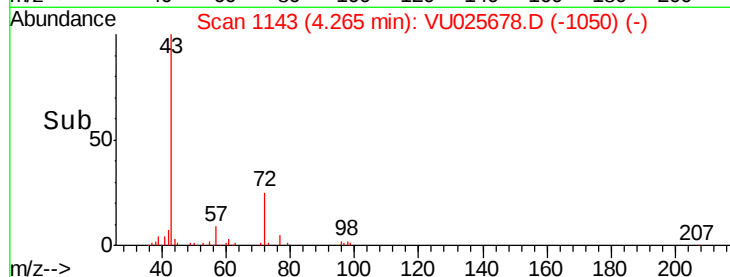
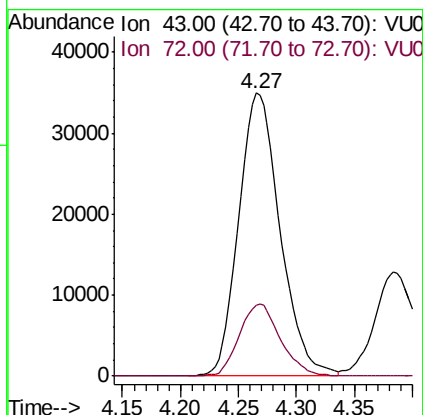
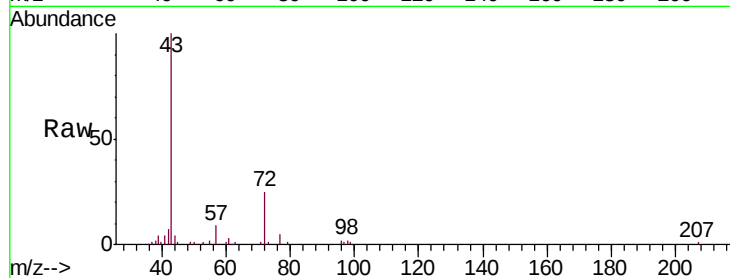




#25
2-Butanone
Concen: 51.64 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

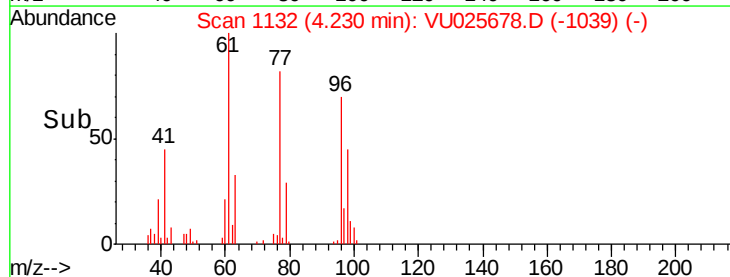
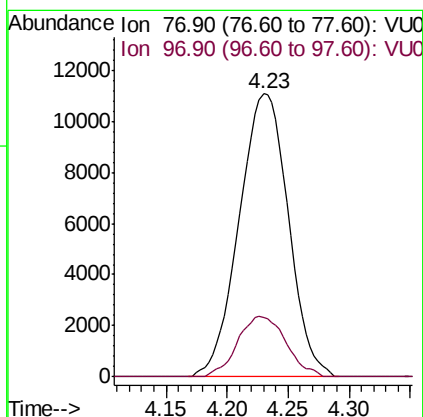
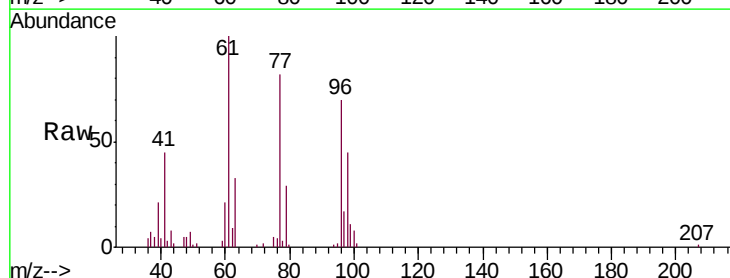
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

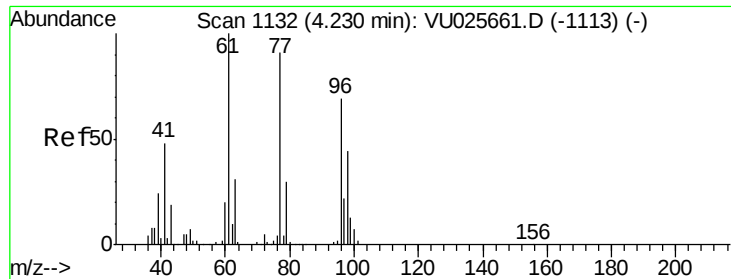
Tot Ion: 43 Resp: 86742
Ion Ratio Lower Upper
43 100
72 25.0 21.0 31.4



#26
2,2-Dichloropropane
Concen: 9.19 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 77 Resp: 30960
Ion Ratio Lower Upper
77 100
97 21.1 11.2 33.5

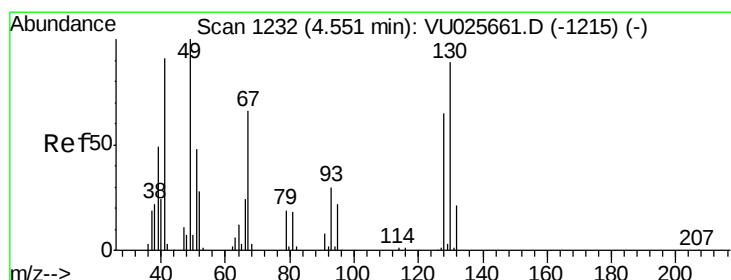
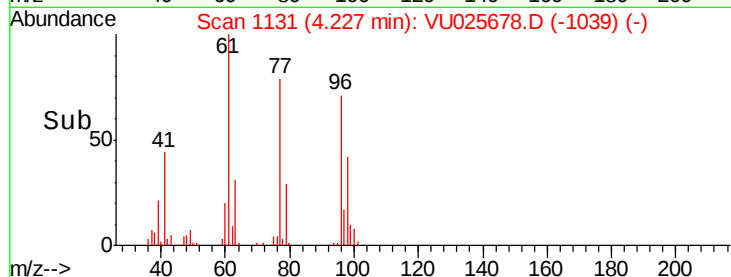
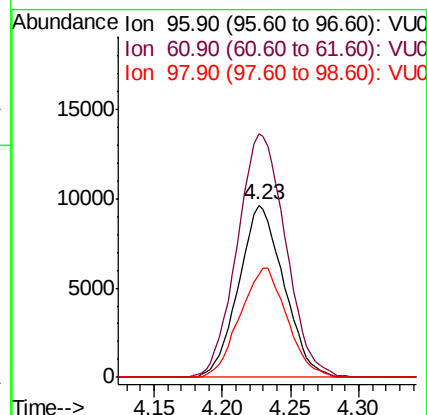
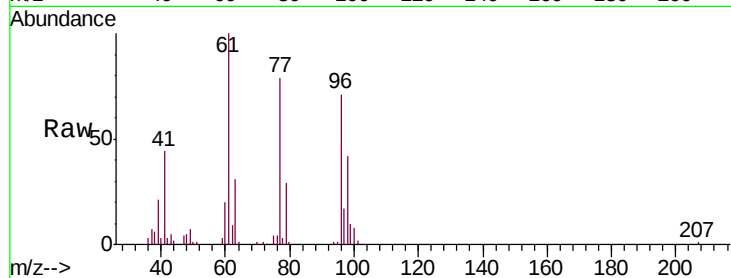




#27
 cis-1,2-Dichloroethene
 Concen: 9.75 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

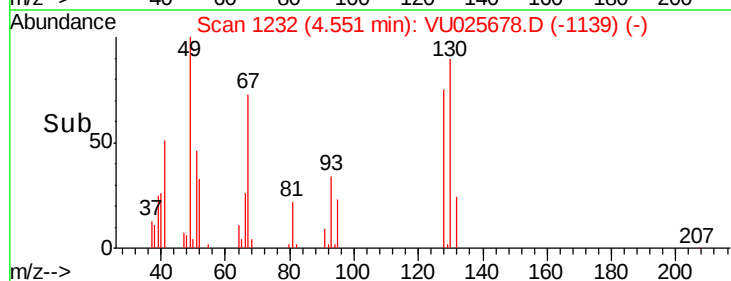
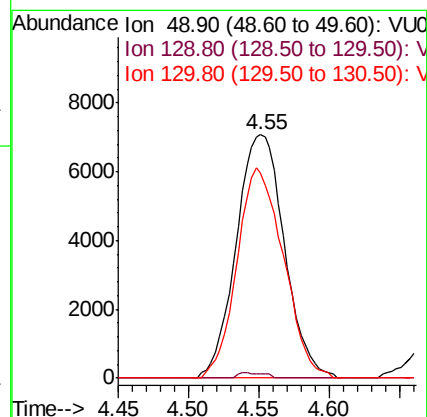
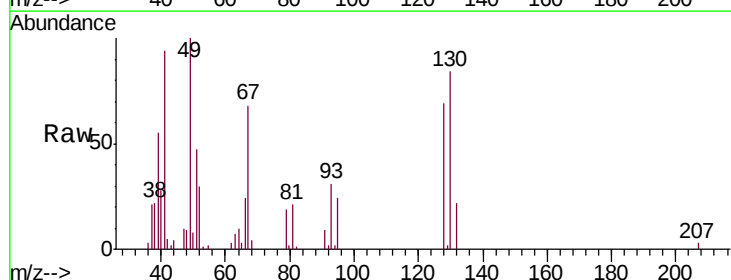
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

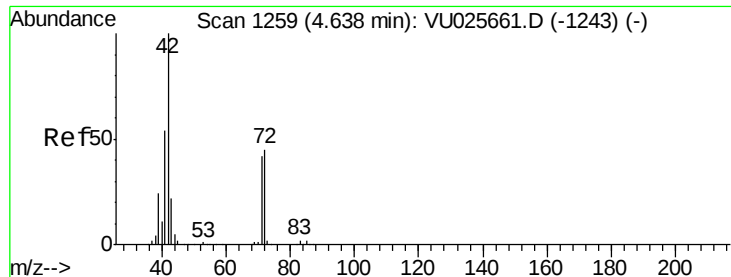
Tot Ion: 96 Resp: 22165
 Ion Ratio Lower Upper
 96 100
 61 151.5 0.0 299.8
 98 65.9 0.0 128.6



#28
 Bromochloromethane
 Concen: 10.18 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 49 Resp: 16885
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.6
 130 83.4 68.6 102.8

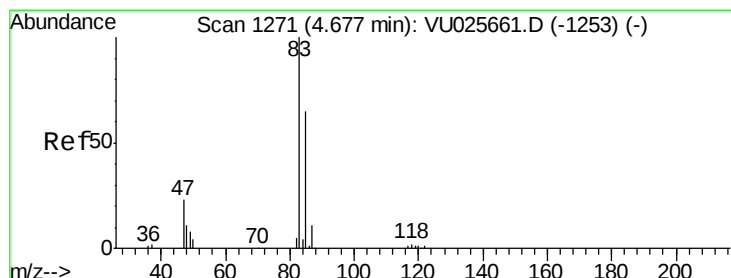
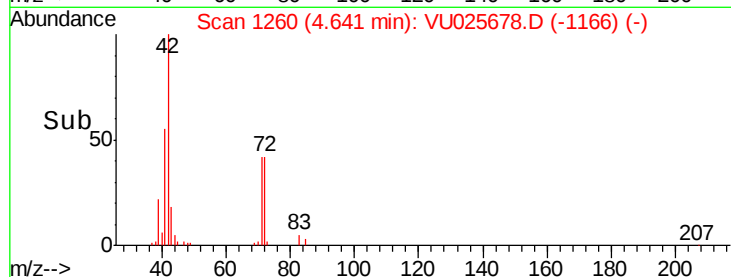
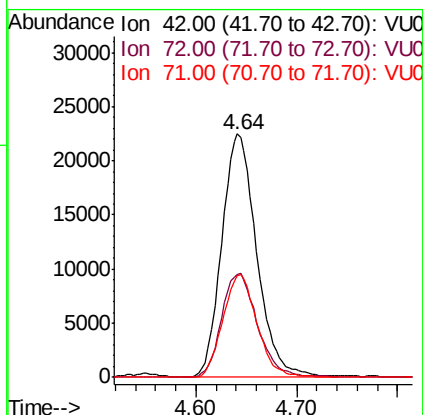
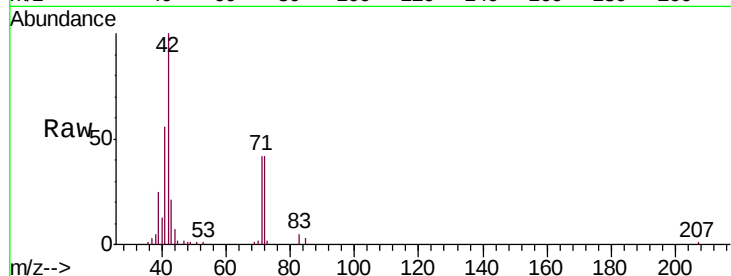




#29
Tetrahydrofuran
Concen: 53.98 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

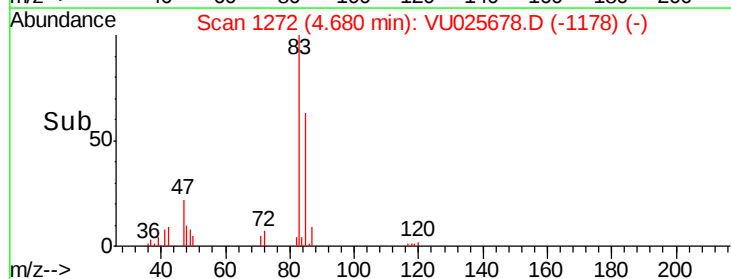
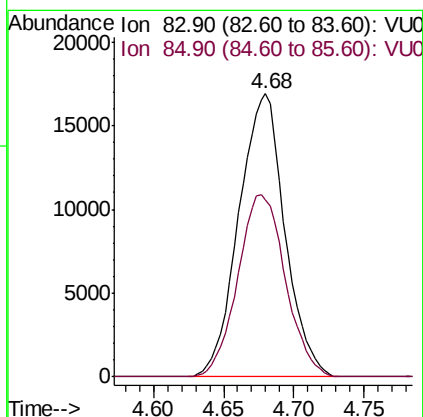
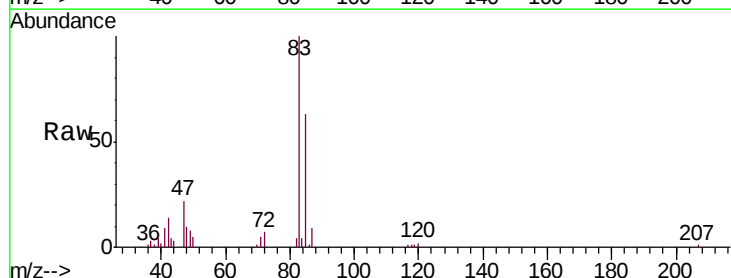
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

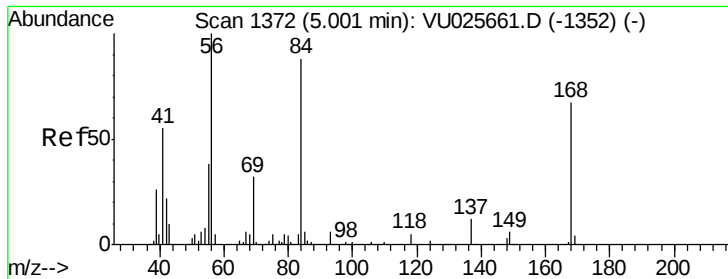
Tot Ion: 42 Resp: 54327
Ion Ratio Lower Upper
42 100
72 43.7 36.7 55.1
71 41.2 33.9 50.9



#30
Chloroform
Concen: 9.85 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 83 Resp: 38539
Ion Ratio Lower Upper
83 100
85 62.7 51.5 77.3

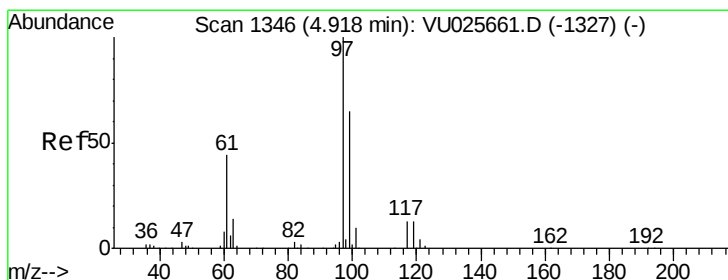
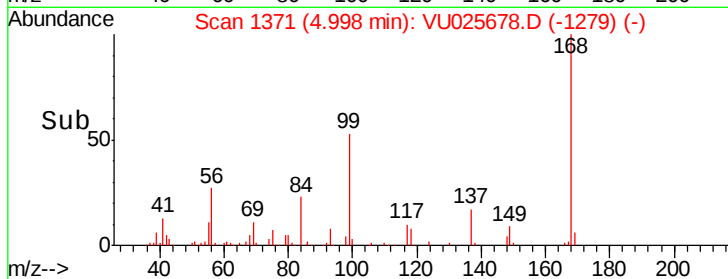
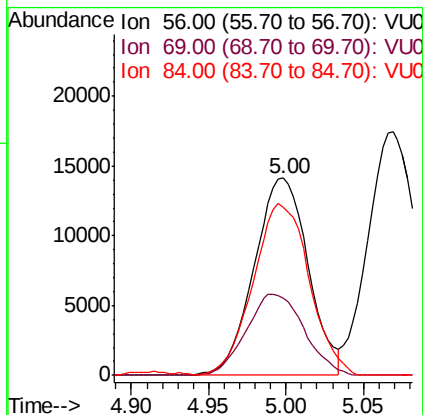
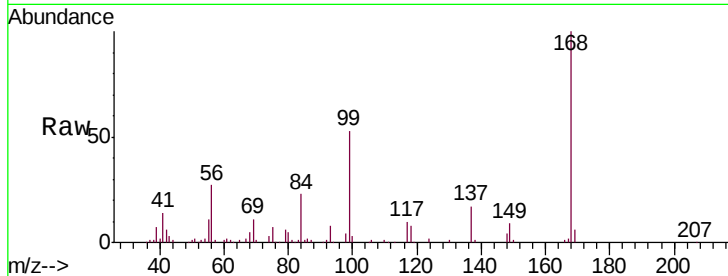




#31
Cyclohexane
Concen: 9.55 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

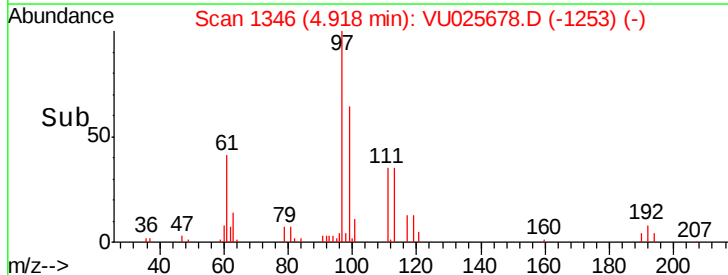
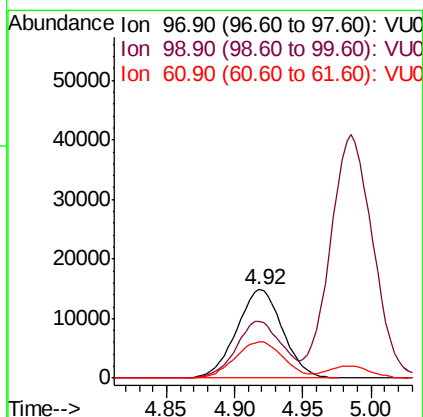
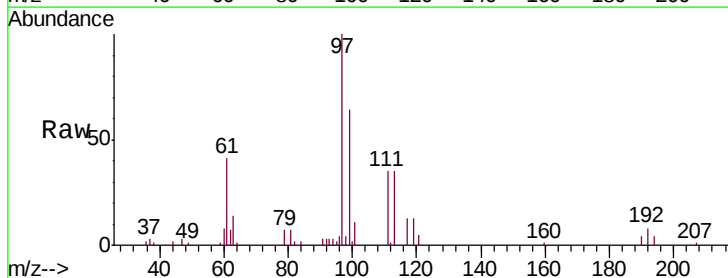
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

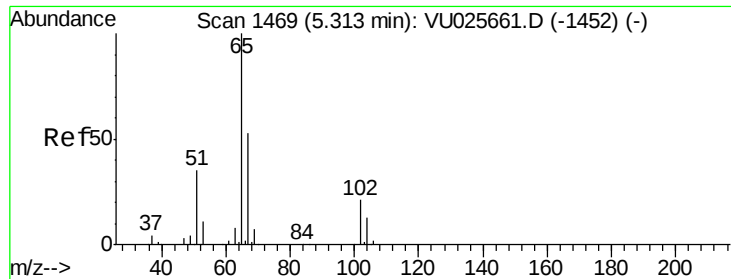
Tot Ion: 56 Resp: 34343
Ion Ratio Lower Upper
56 100
69 39.1 26.8 40.2
84 84.3 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 9.91 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 97 Resp: 34915
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 43.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.59 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

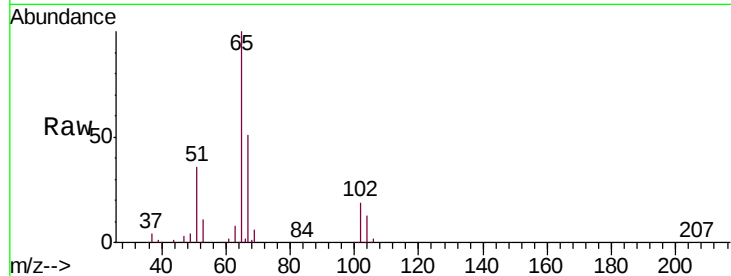
LOQ-WATER-02-QT3-2018

Tot Ion: 65 Resp: 133119

Ion Ratio Lower Upper

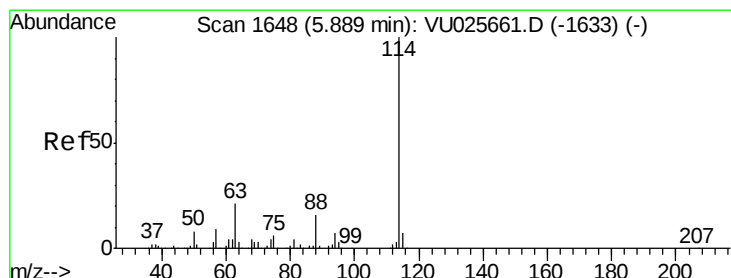
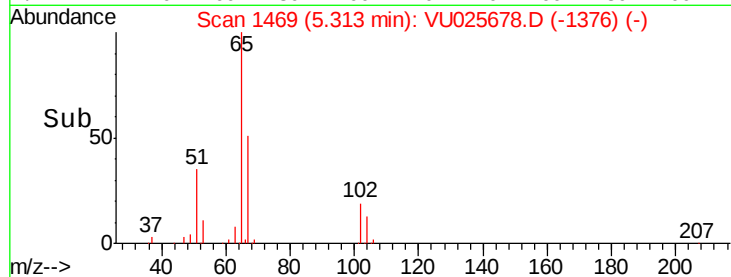
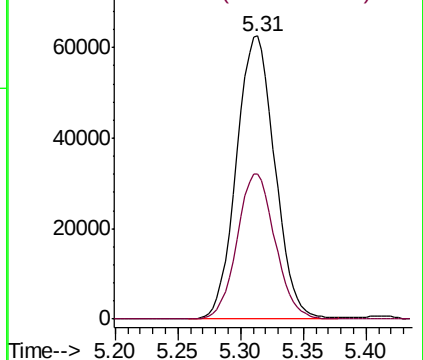
65 100

67 50.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

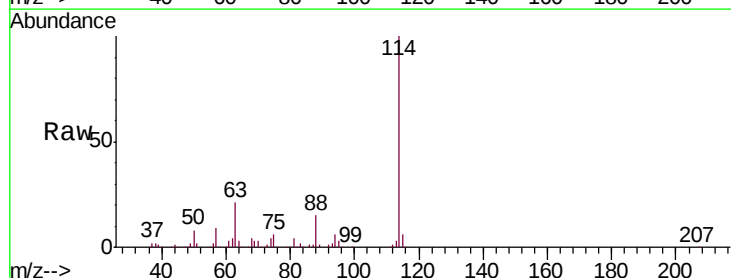
Tgt Ion: 114 Resp: 245525

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

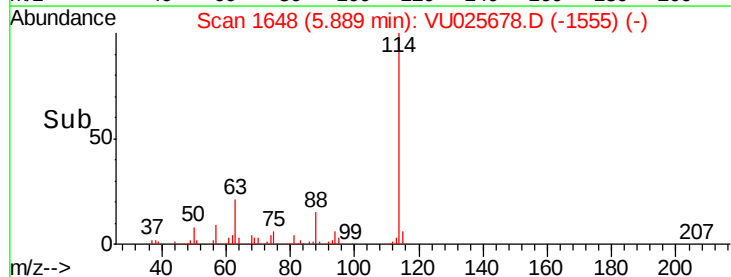
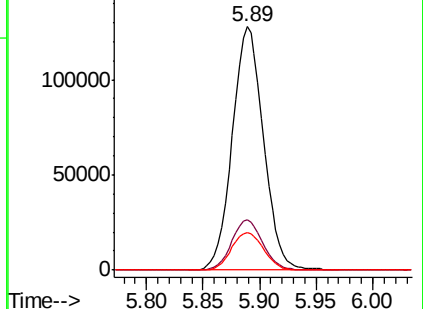
88 15.4 0.0 32.4

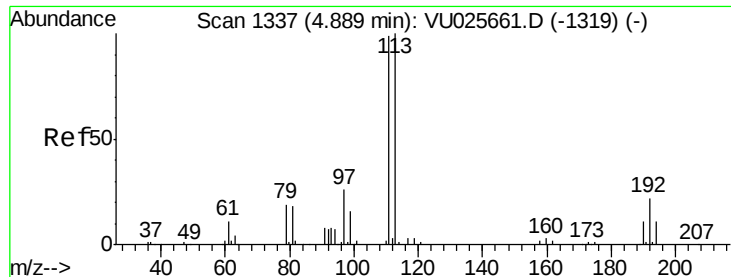


Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

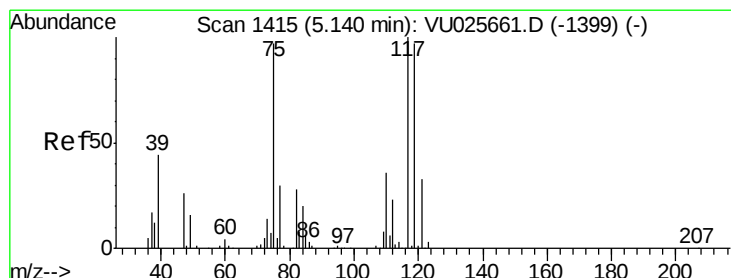
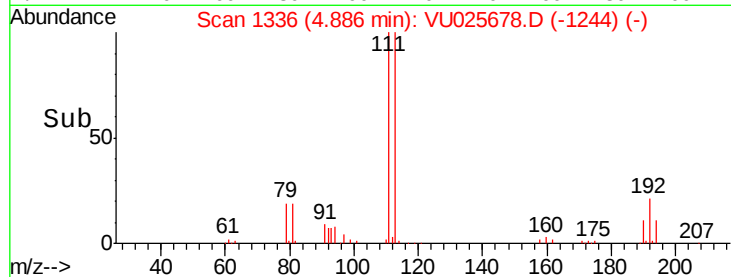
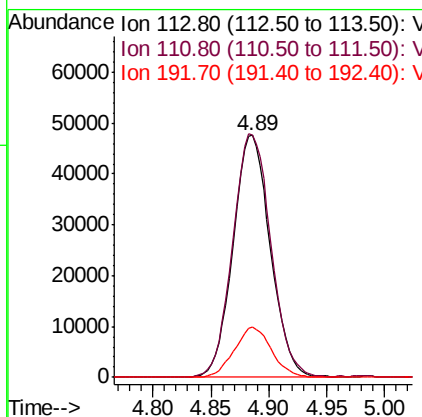
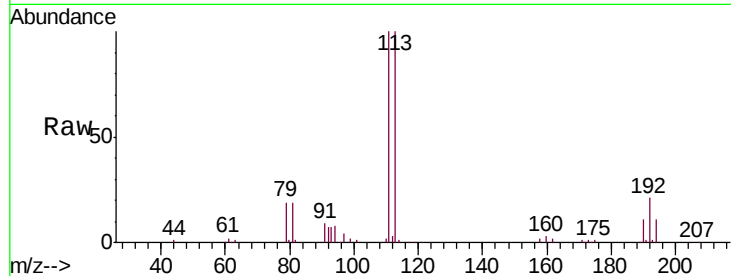




#35
 Dibromofluoromethane
 Concen: 49.75 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

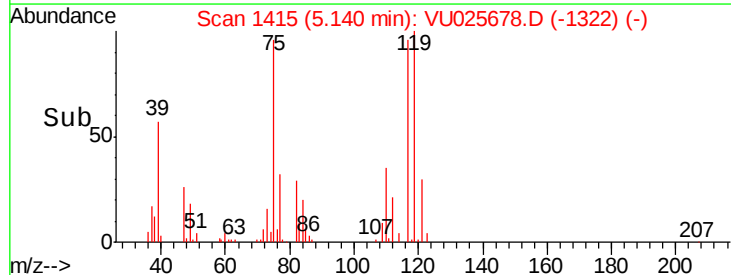
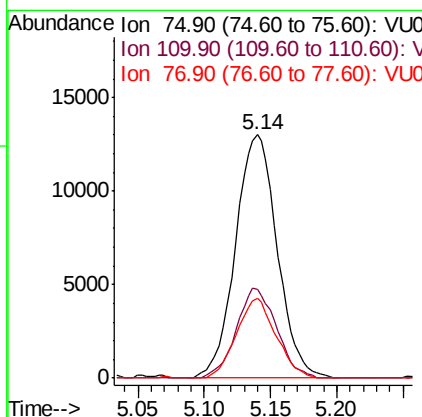
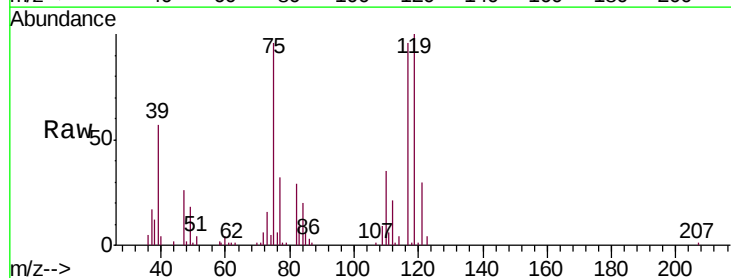
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

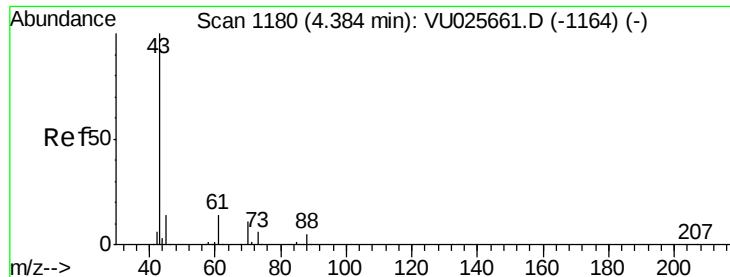
Tot Ion:113 Resp: 106229
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 9.92 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 75 Resp: 28462
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.6 52.9
 77 30.9 24.4 36.6

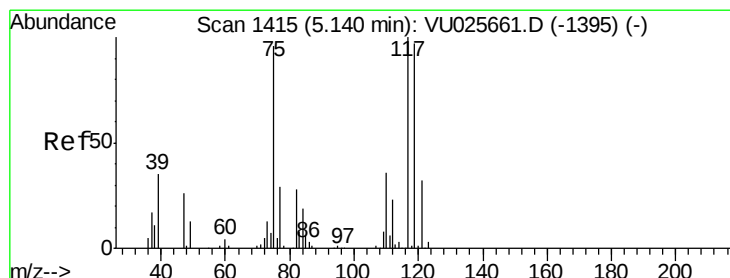
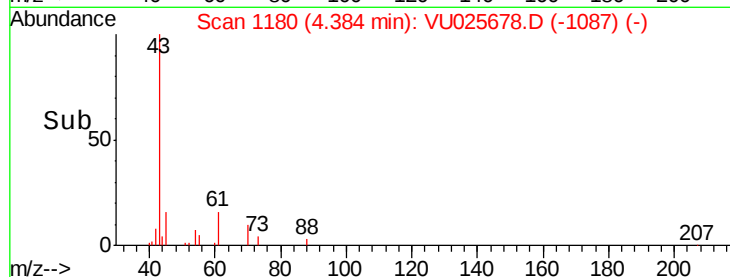
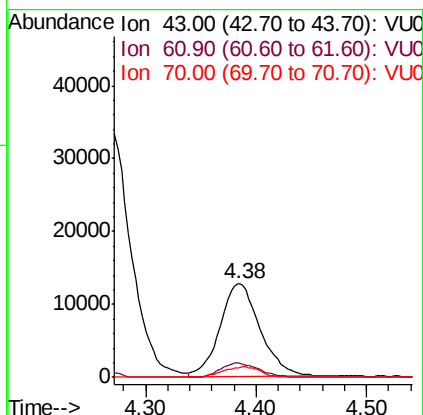
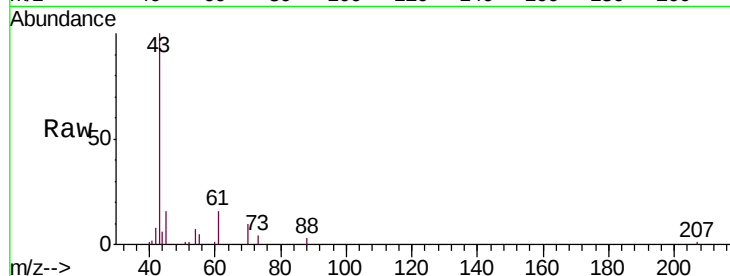




#37
Ethyl Acetate
Concen: 10.80 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

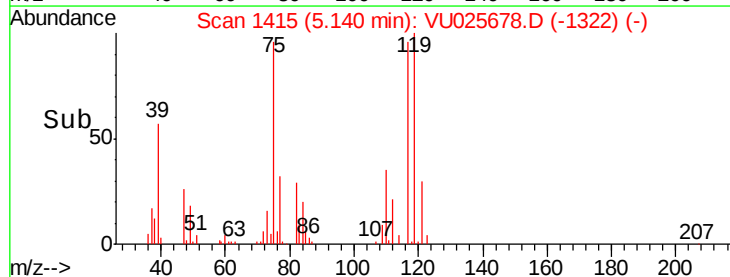
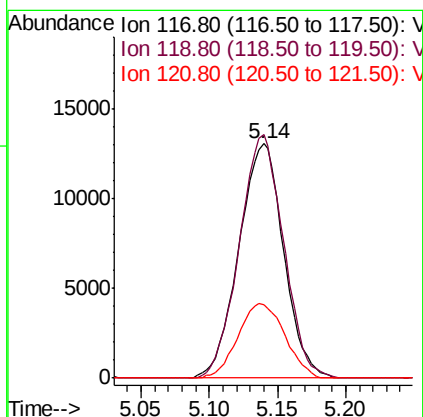
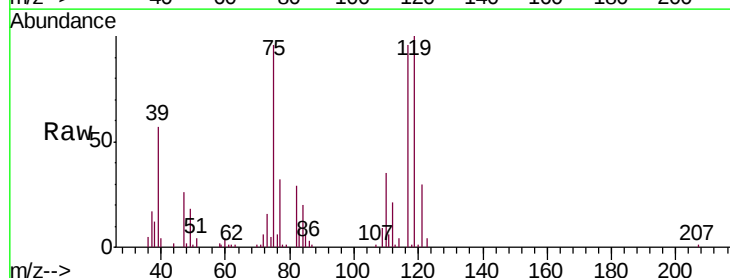
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

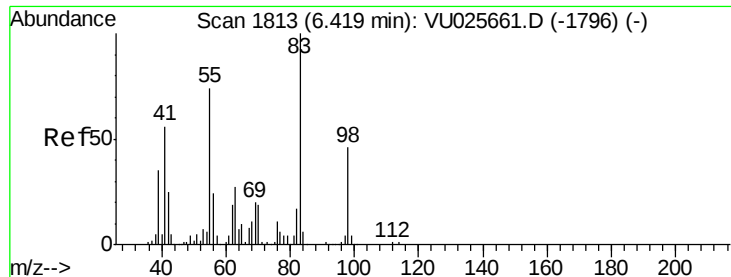
Tot Ion: 43 Resp: 32141
Ion Ratio Lower Upper
43 100
61 14.4 10.7 16.1
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 9.16 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 117 Resp: 29763
Ion Ratio Lower Upper
117 100
119 103.9 75.7 113.5
121 31.1 24.6 36.8

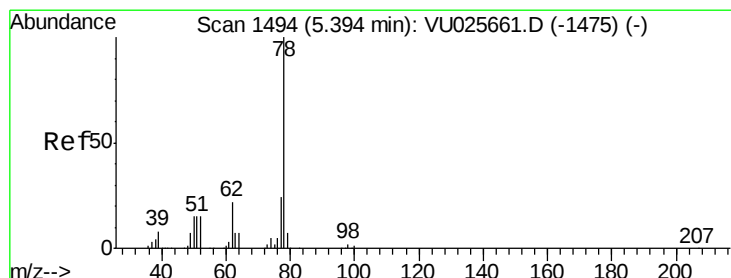
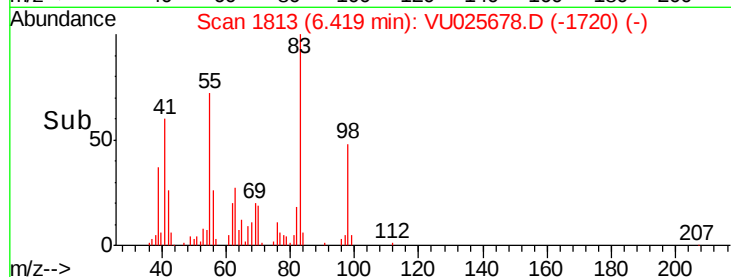
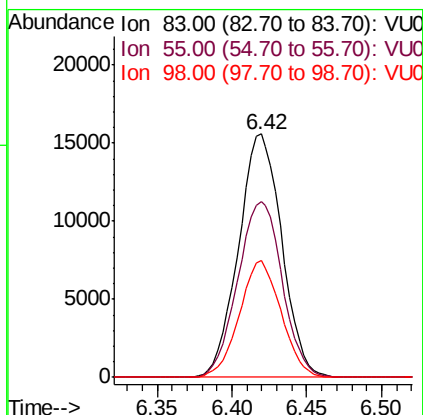
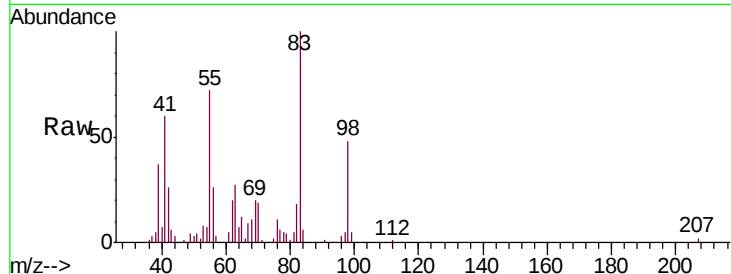




#39
Methvlcvclohexane
Concen: 9.53 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

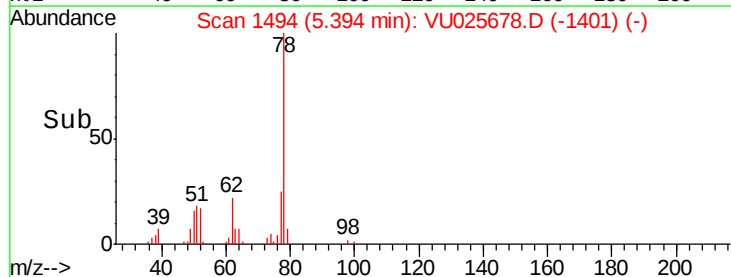
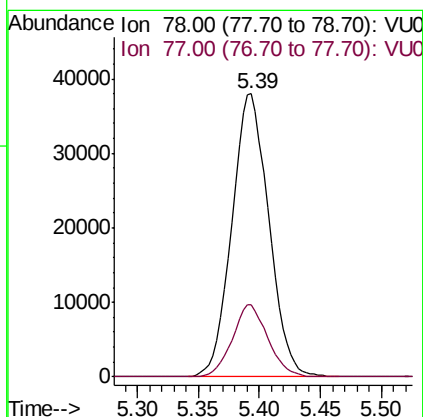
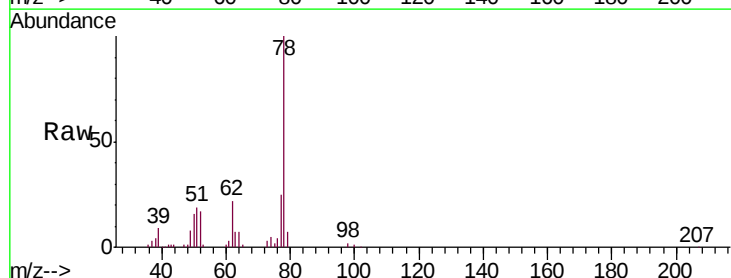
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

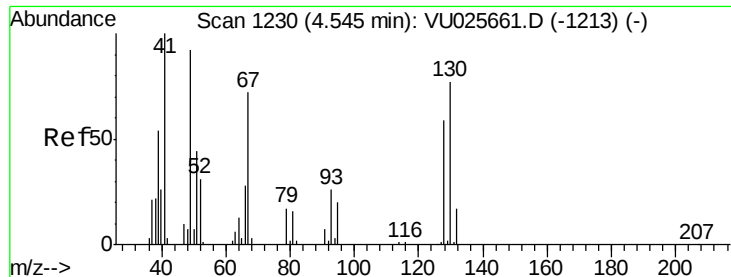
Tot Ion: 83 Resp: 31347
Ion Ratio Lower Upper
83 100
55 72.0 60.0 90.0
98 47.8 36.1 54.1



#40
Benzene
Concen: 9.52 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion: 78 Resp: 79879
Ion Ratio Lower Upper
78 100
77 25.4 19.8 29.6

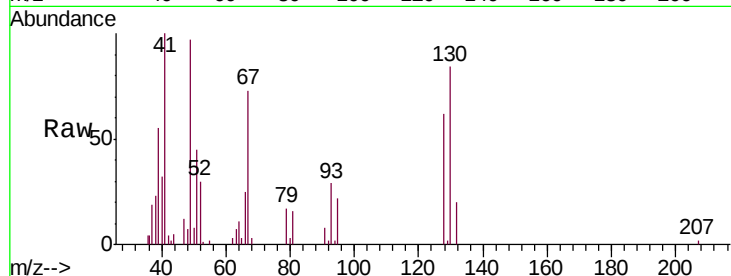




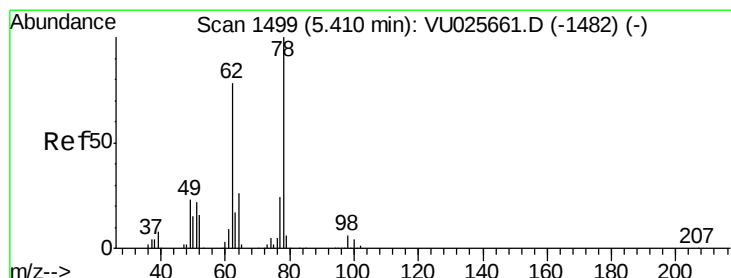
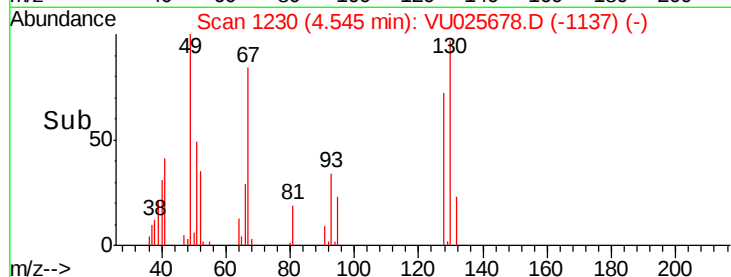
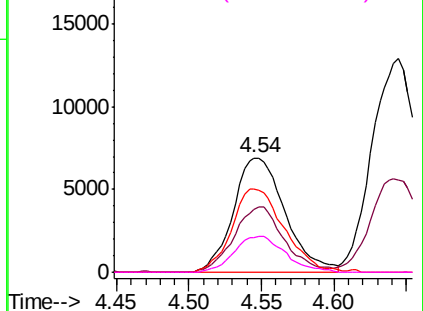
#41
Methacrylonitrile
Concen: 10.39 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

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

Tot Ion:	41	Resp:	17173
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.4	66.6
67	73.8	56.0	84.0
52	31.0	24.6	36.8

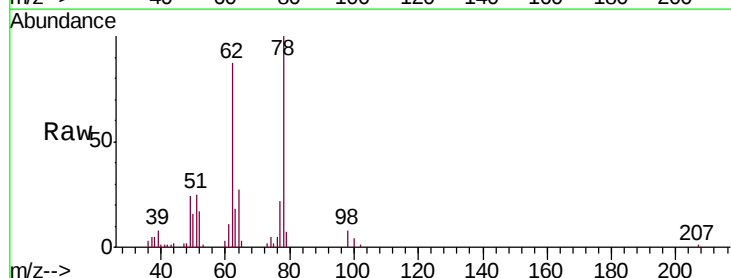


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

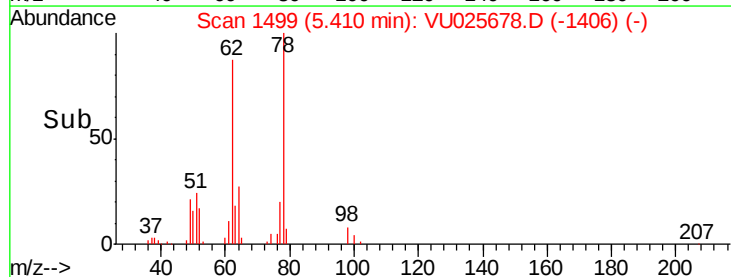
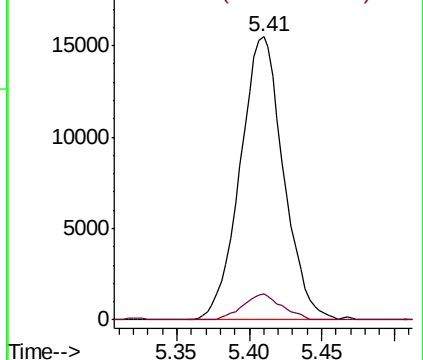


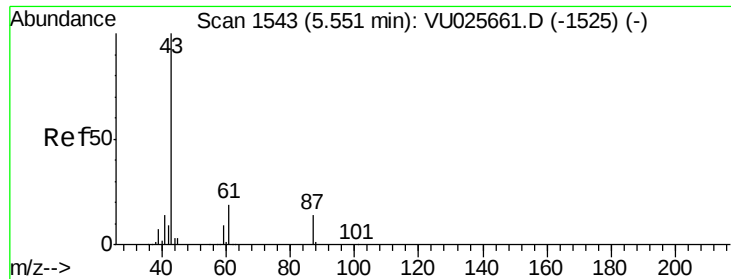
#42
1,2-Dichloroethane
Concen: 9.95 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion:	62	Resp:	32144
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



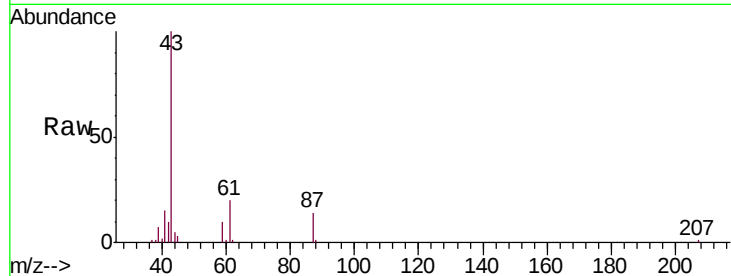


#43

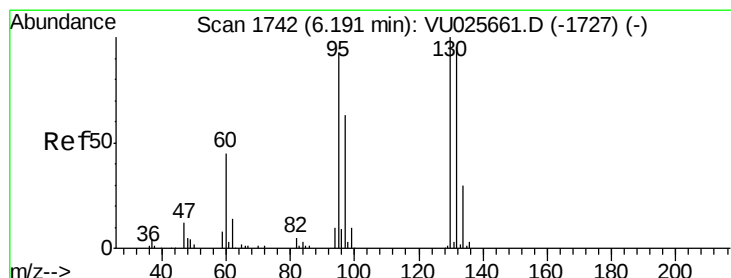
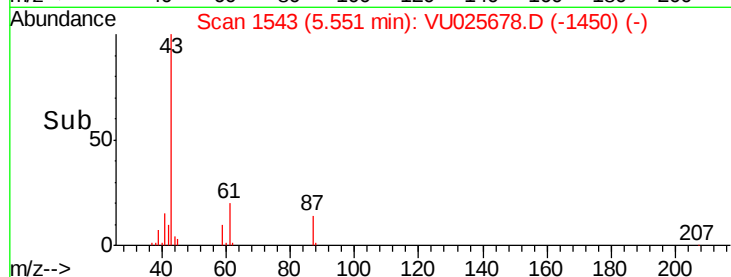
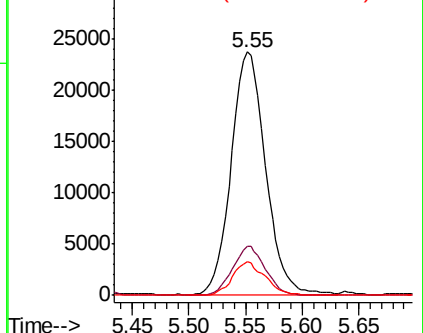
Isopropyl Acetate
 Concen: 10.30 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

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

Tot Ion	43	Resp	50649
Ion Ratio	Lower	Upper	
43	100		
61	18.8	15.5	23.3
87	12.9	10.6	16.0



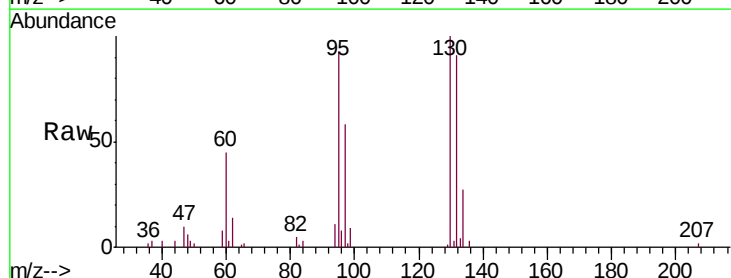
Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)
 Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)
 Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



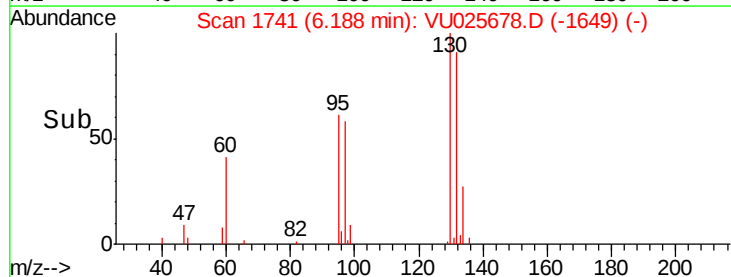
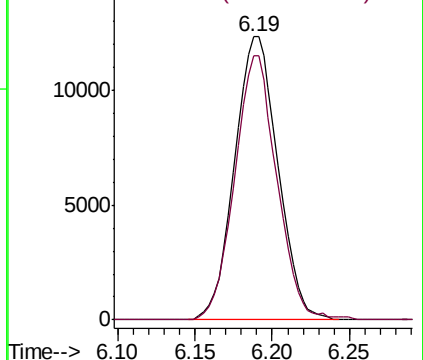
#44

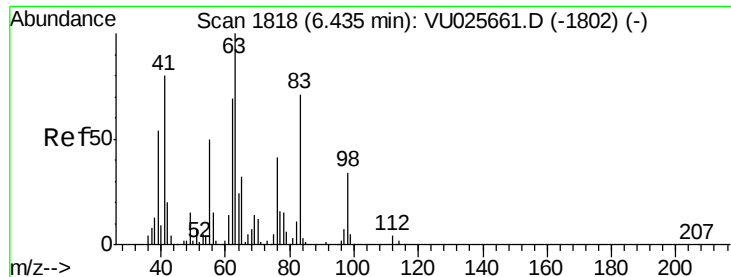
Trichloroethene
 Concen: 10.28 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion	130	Resp	24005
Ion Ratio	Lower	Upper	
130	100		
95	93.2	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)
 Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)





#45

1,2-Dichloropropane

Concen: 9.72 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

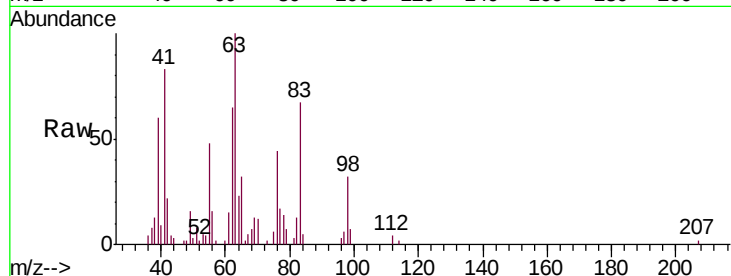
LOQ-WATER-02-QT3-2018

Tot Ion: 63 Resp: 21260

Ion Ratio Lower Upper

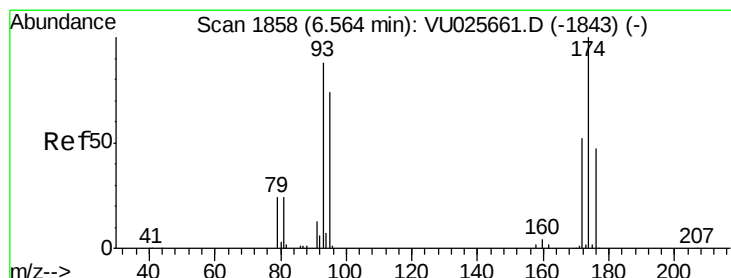
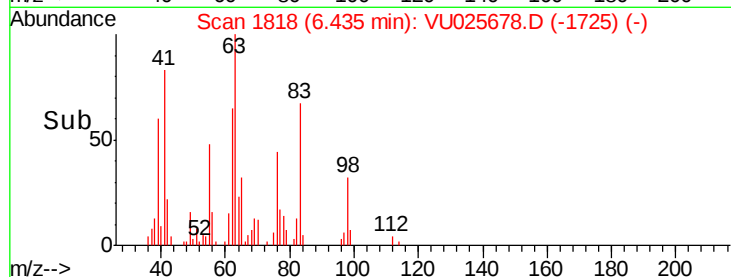
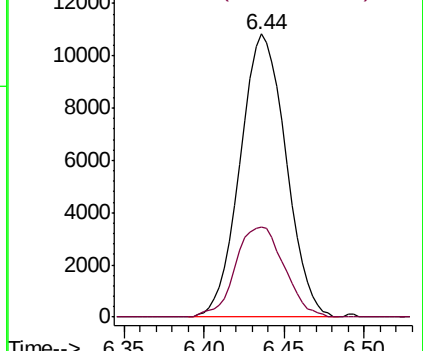
63 100

65 31.9 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 9.92 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

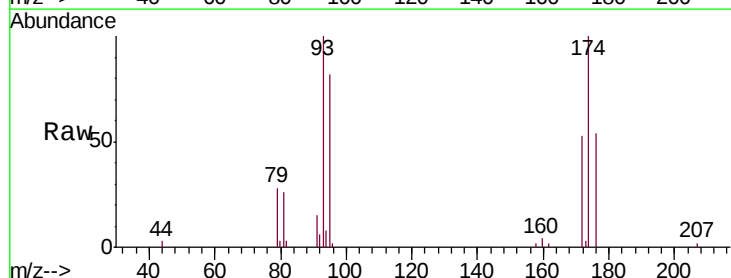
Tgt Ion: 93 Resp: 15729

Ion Ratio Lower Upper

93 100

95 80.2 66.6 100.0

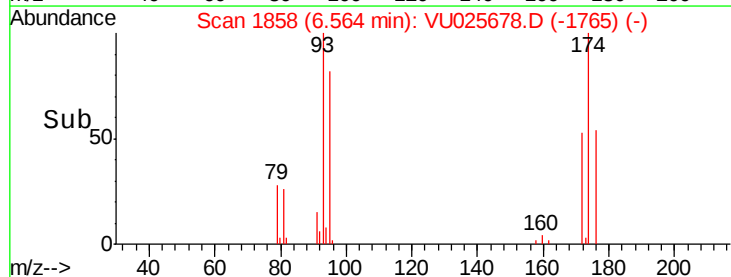
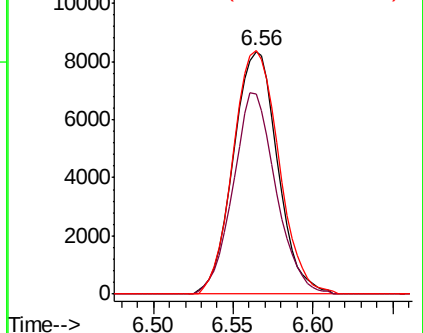
174 104.1 85.8 128.8

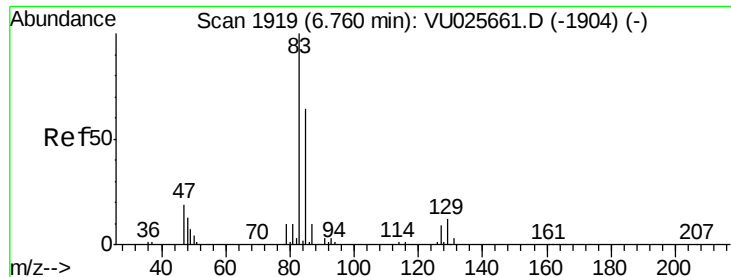


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 9.63 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

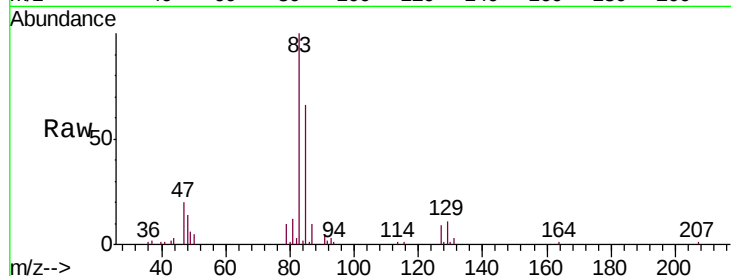
Tot Ion: 83 Resp: 29124

Ion Ratio Lower Upper

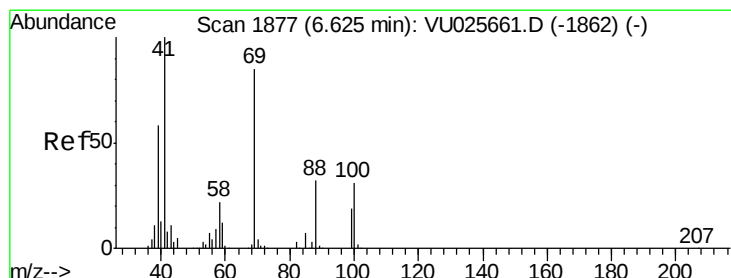
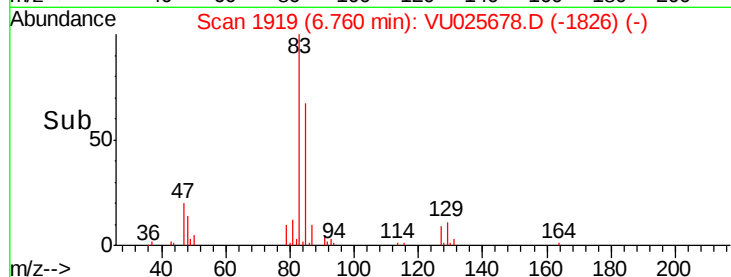
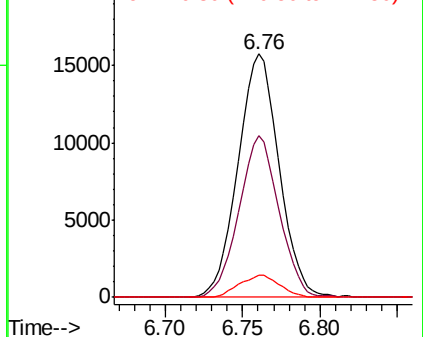
83 100

85 66.4 50.2 75.4

127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 10.05 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

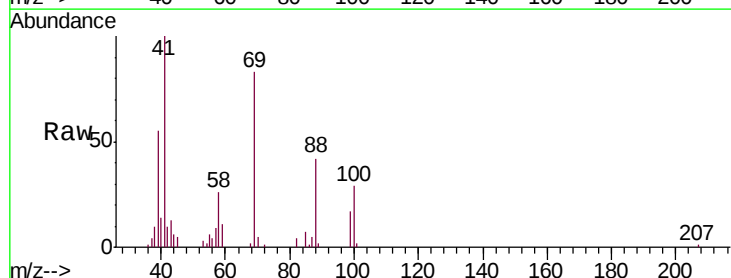
Tgt Ion: 41 Resp: 24207

Ion Ratio Lower Upper

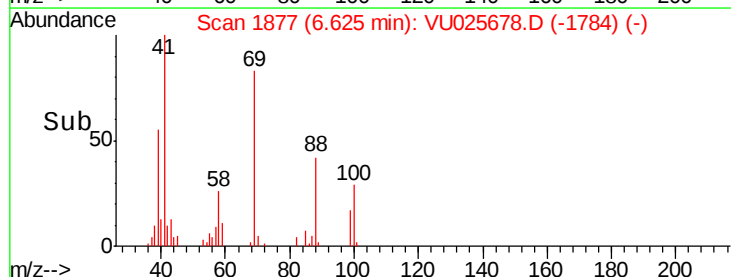
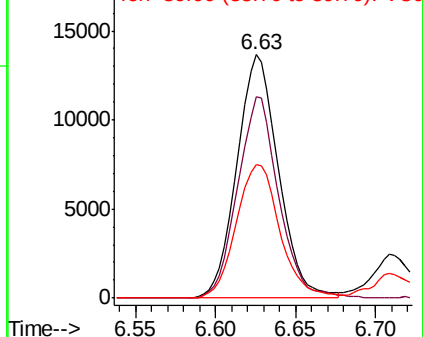
41 100

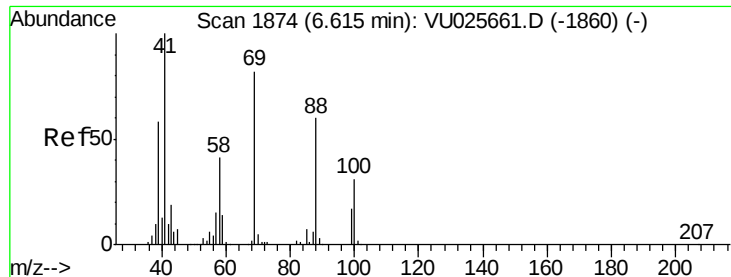
69 81.7 65.0 97.4

39 57.9 46.4 69.6



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

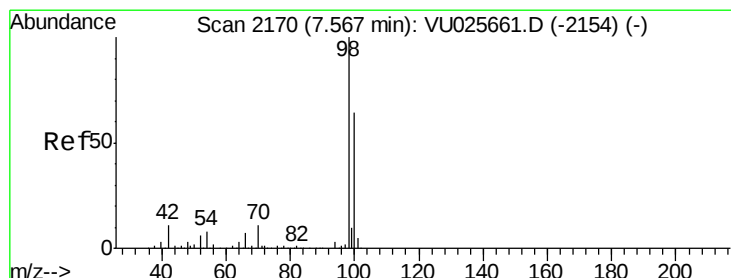
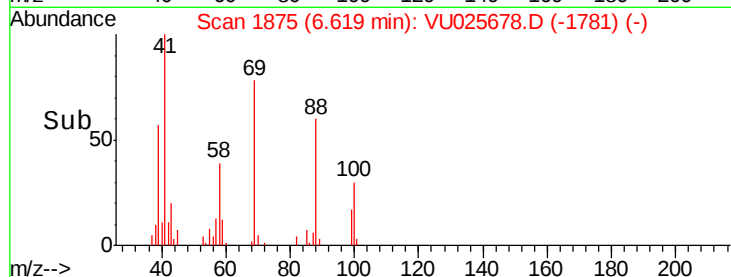
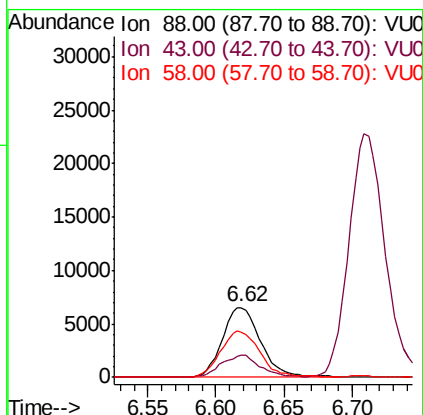
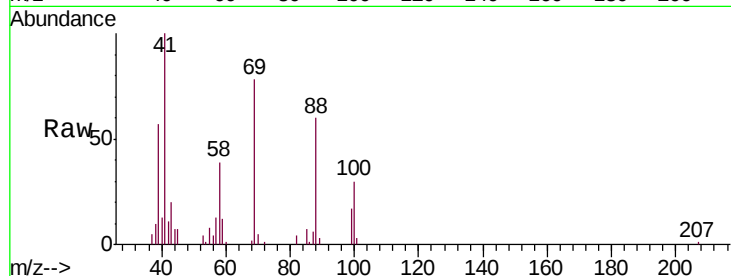




#49
 1,4-Dioxane
 Concen: 216.75 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

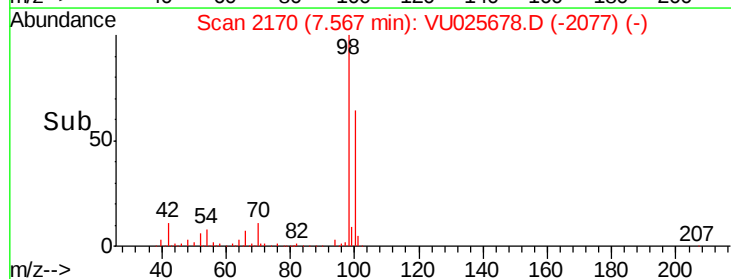
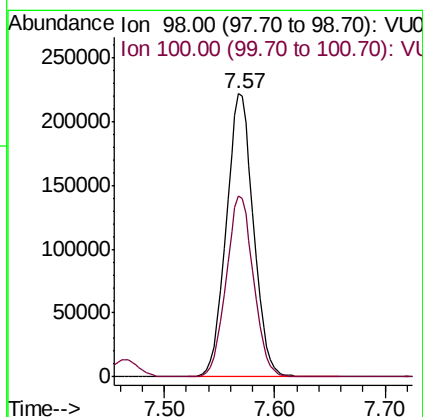
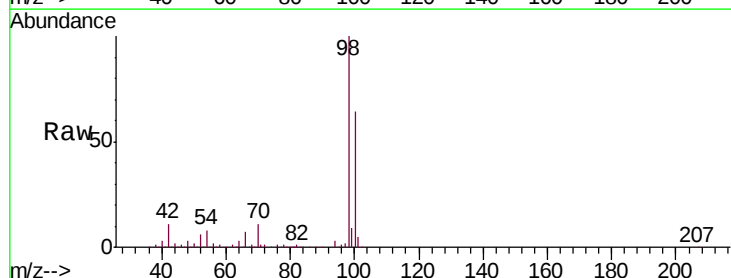
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

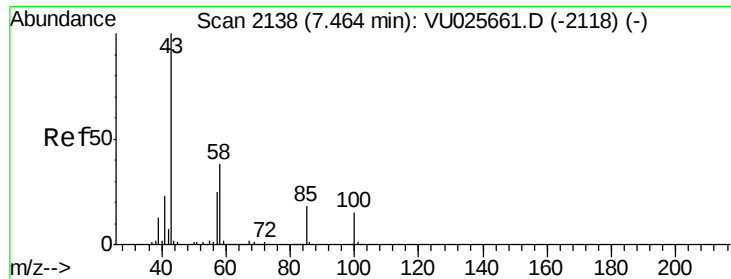
Tot Ion: 88 Resp: 12710
 Ion Ratio Lower Upper
 88 100
 43 32.7 27.3 40.9
 58 67.2 57.6 86.4



#50
 Toluene-d8
 Concen: 50.60 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 98 Resp: 378146
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7

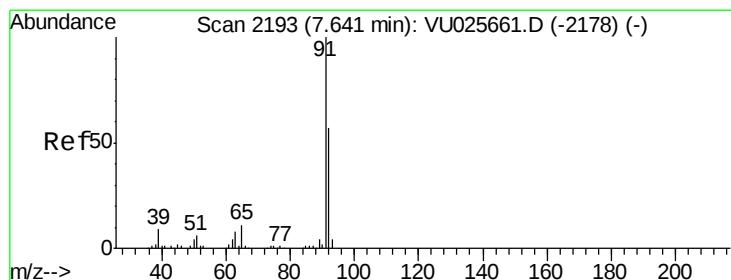
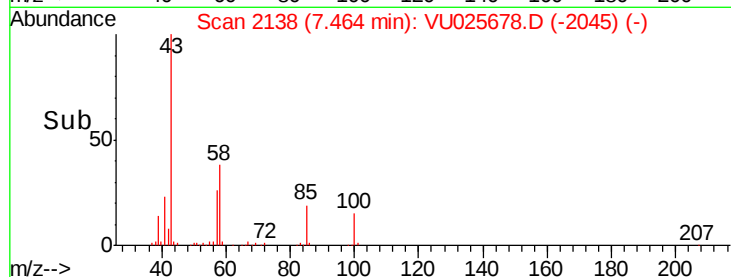
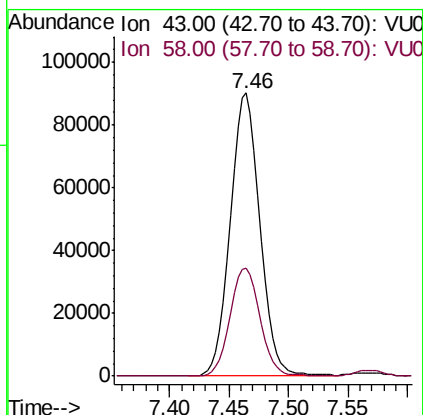
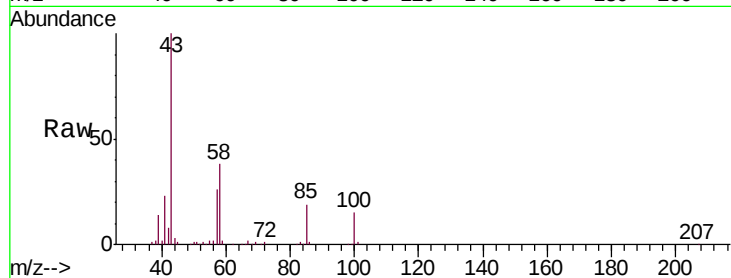




#51
 4-Methyl-2-Pentanone
 Concen: 50.61 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

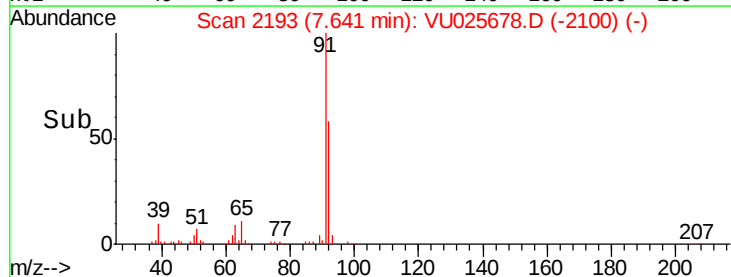
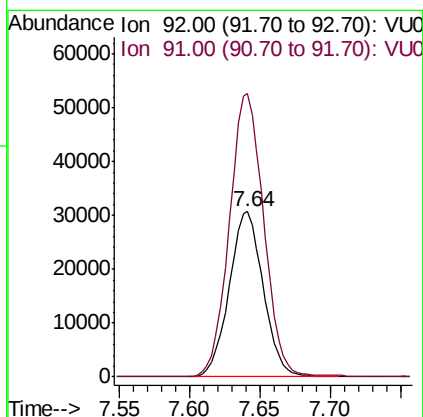
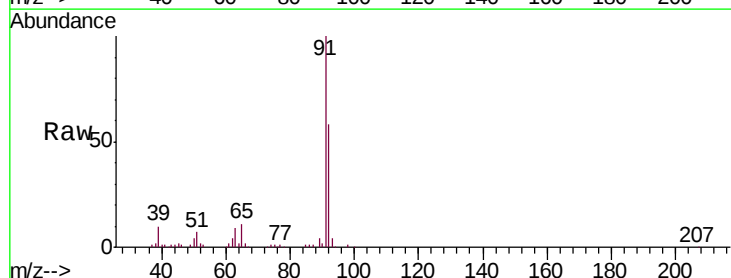
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

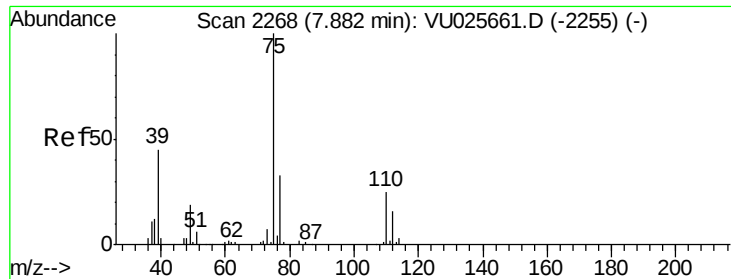
Tot Ion: 43 Resp: 155772
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4



#52
 Toluene
 Concen: 9.95 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 92 Resp: 51849
 Ion Ratio Lower Upper
 92 100
 91 173.1 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 9.48 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

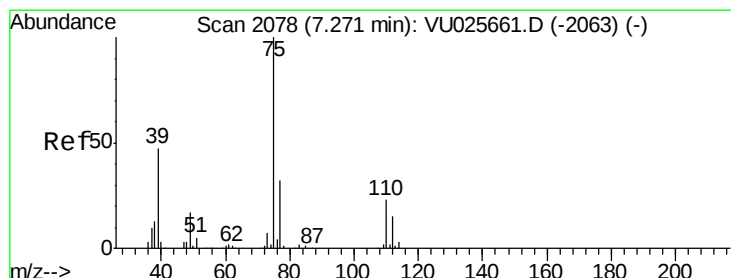
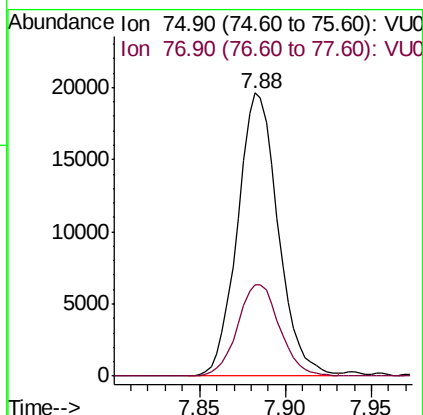
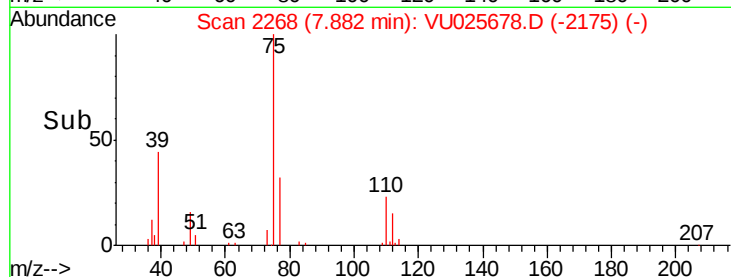
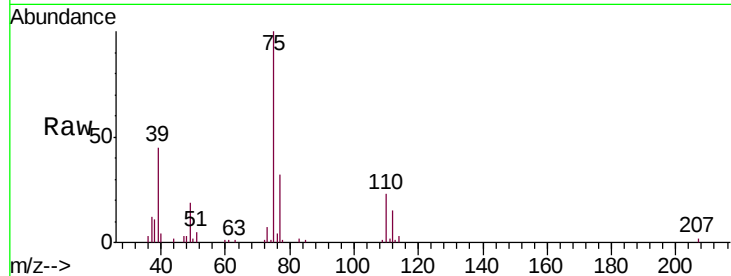
LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 32180

Ion Ratio Lower Upper

75 100

77 32.4 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 9.24 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

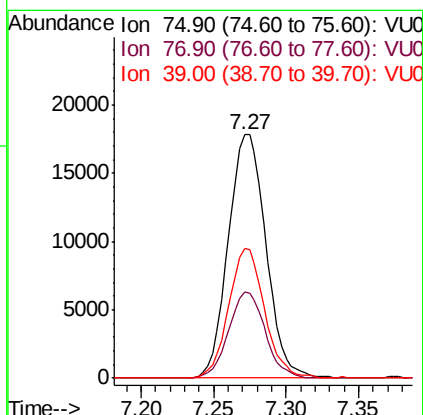
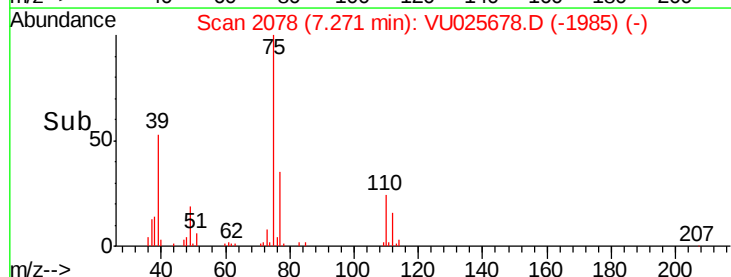
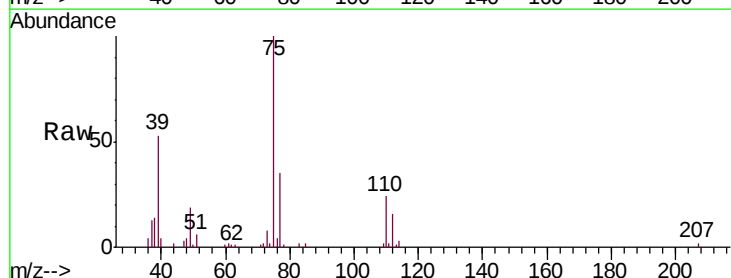
Tgt Ion: 75 Resp: 32211

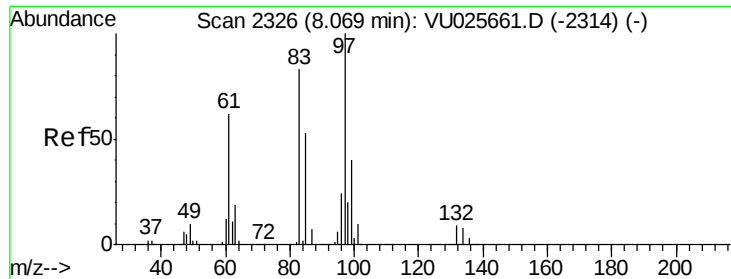
Ion Ratio Lower Upper

75 100

77 35.5 25.6 38.4

39 53.1 40.0 60.0

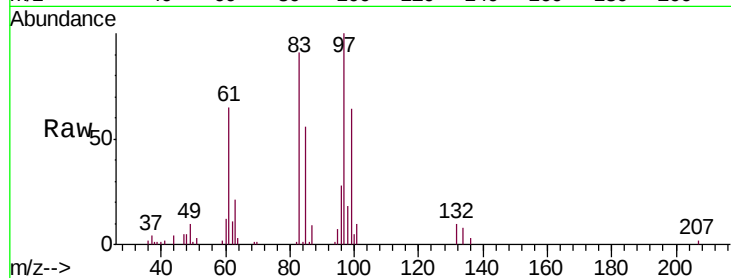




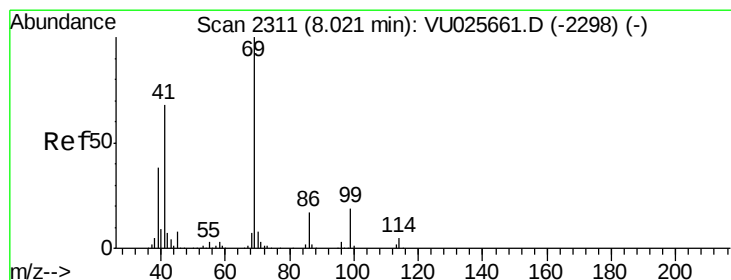
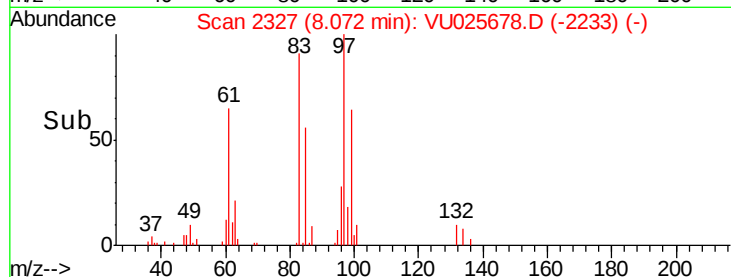
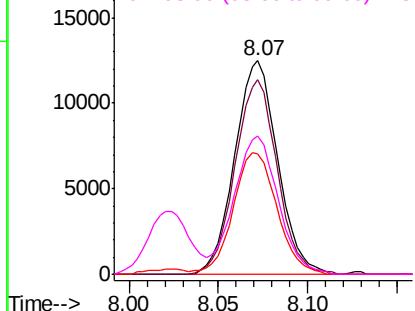
#55
 1,1,2-Trichloroethane
 Concen: 9.65 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

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

Tot Ion:	97	Resp:	20887
Ion	Ratio	Lower	Upper
97	100		
83	90.9	68.9	103.3
85	56.4	44.4	66.6
99	64.5	51.0	76.4

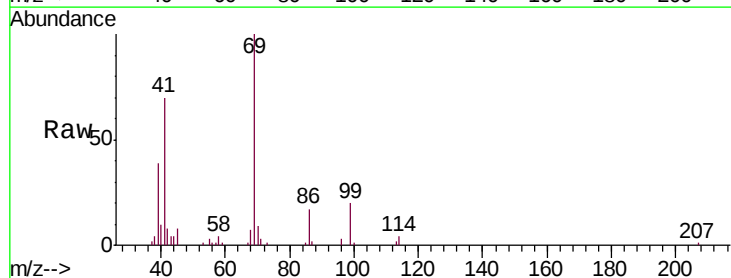


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

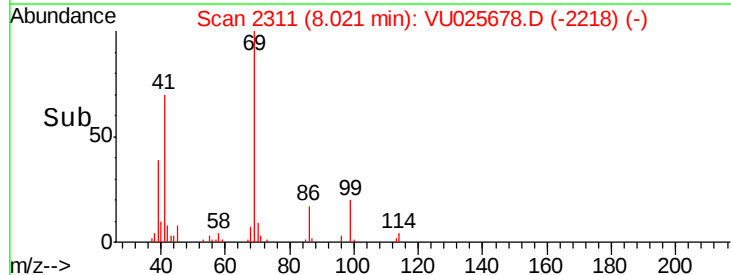
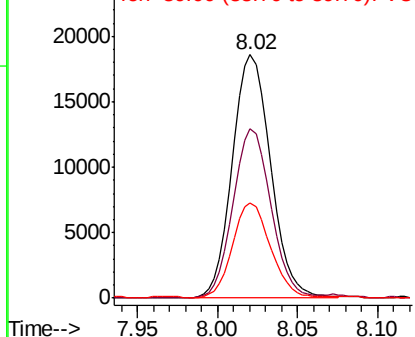


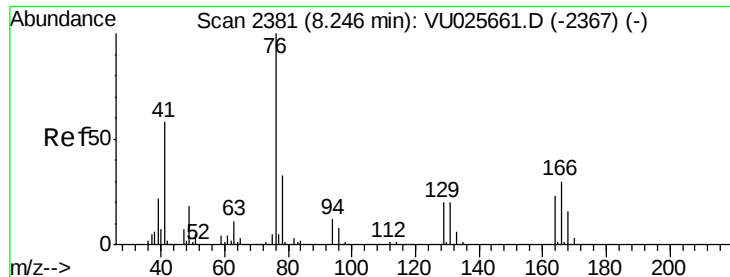
#56
 Ethyl methacrylate
 Concen: 9.84 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion:	69	Resp:	30446
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.8	82.2
39	39.0	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 9.90 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

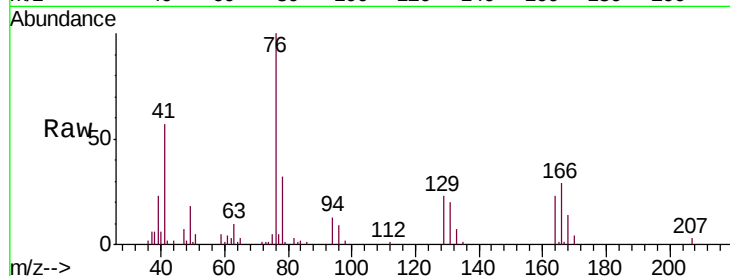
LOQ-WATER-02-QT3-2018

Tot Ion: 76 Resp: 36069

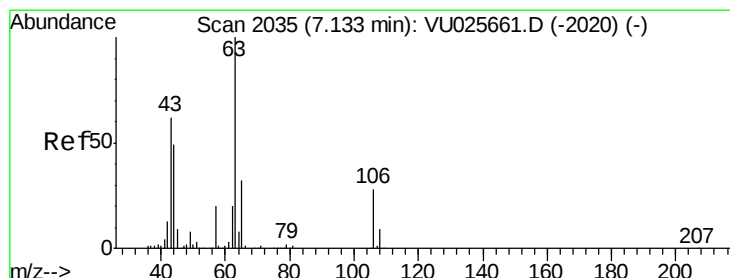
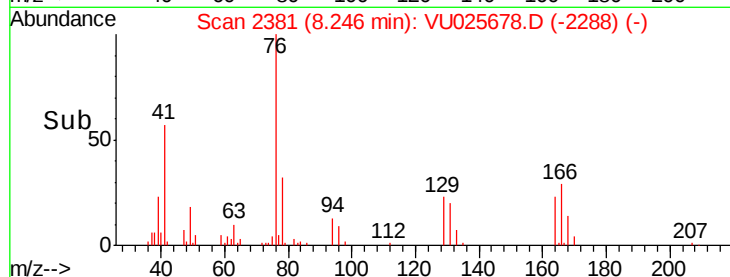
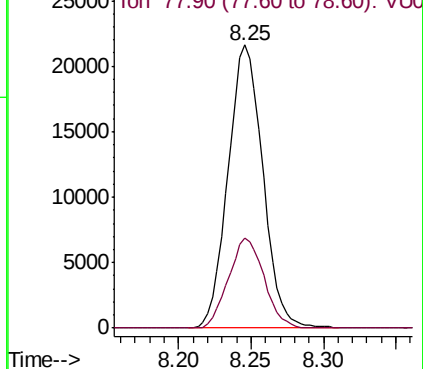
Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-2367) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 7.20 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025678.D

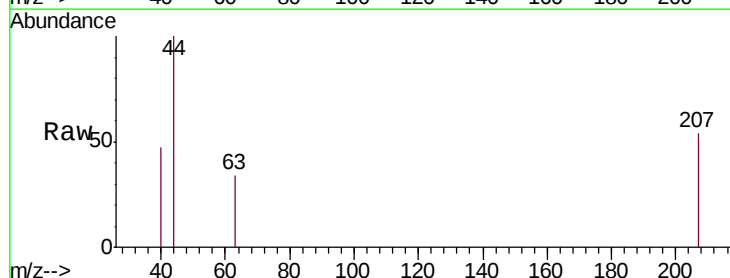
Acq: 27 Jul 2018 18:49

Tgt Ion: 63 Resp: 182

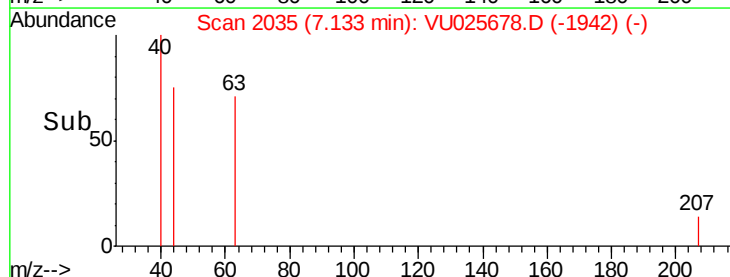
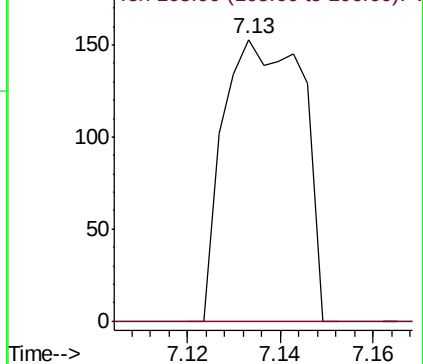
Ion Ratio Lower Upper

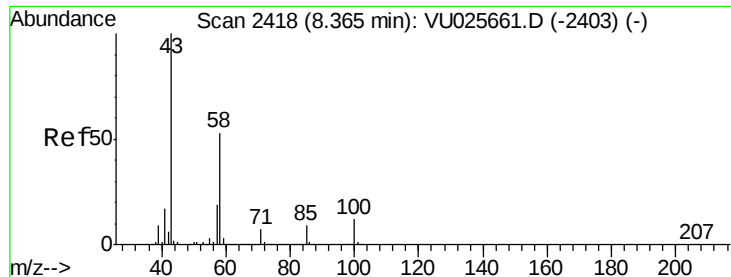
63 100

106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-2020) (-)

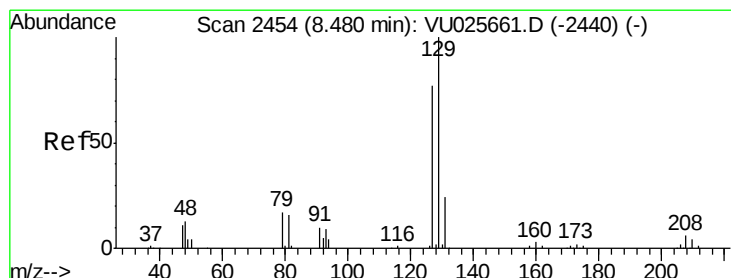
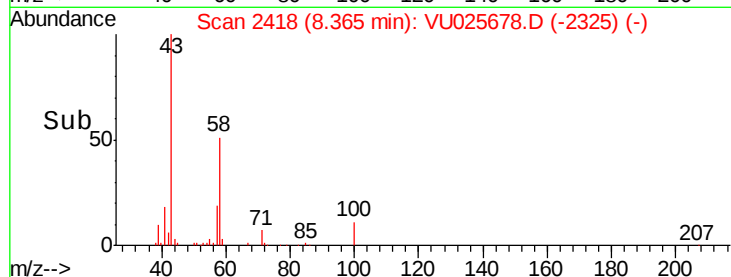
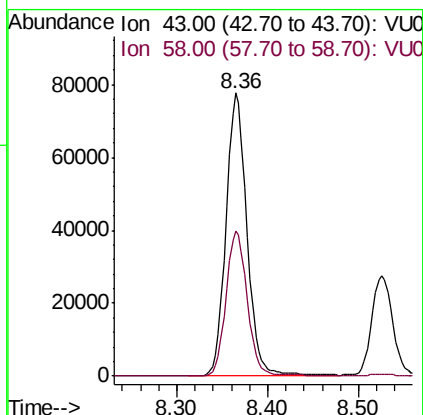
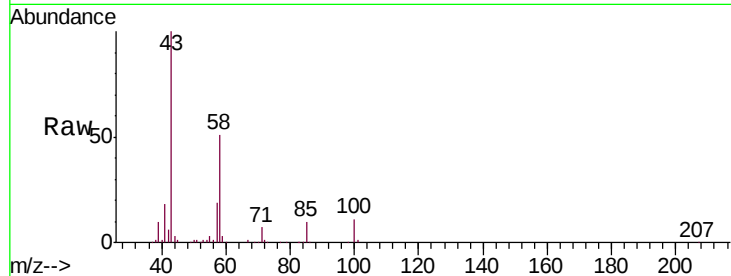




#59
2-Hexanone
Concen: 51.75 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

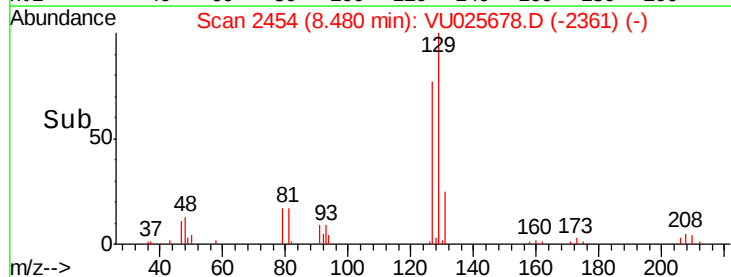
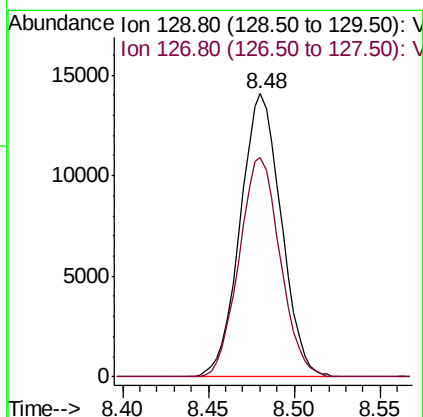
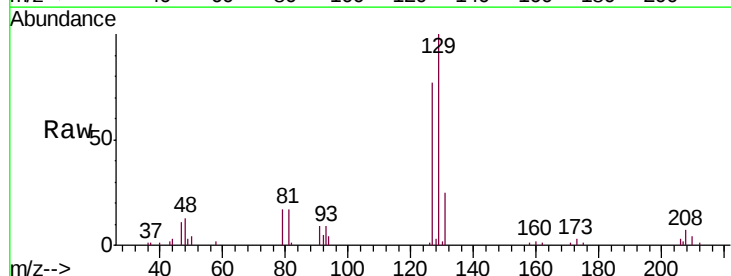
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

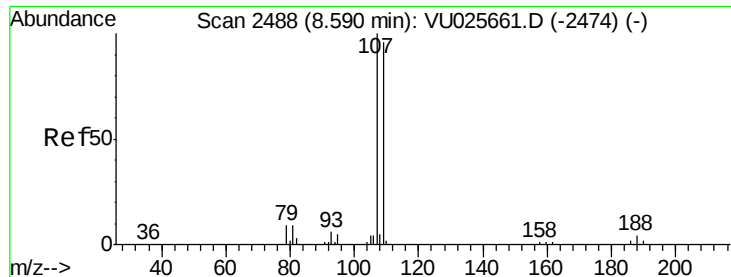
Tot Ion: 43 Resp: 124874
Ion Ratio Lower Upper
43 100
58 51.5 26.2 78.5



#60
Dibromochloromethane
Concen: 9.09 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion:129 Resp: 23216
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

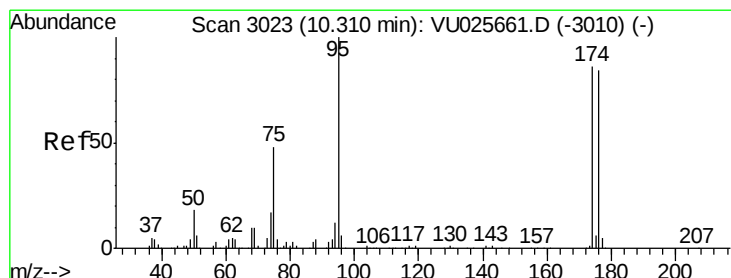
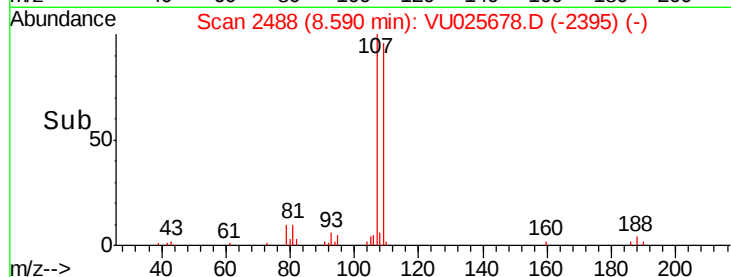
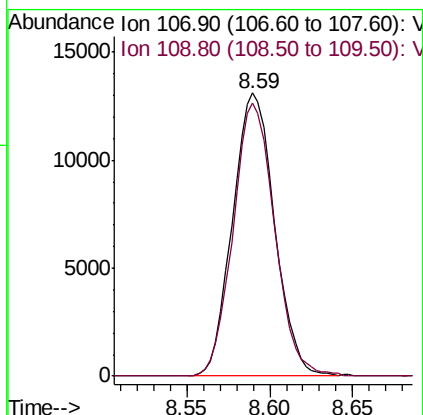
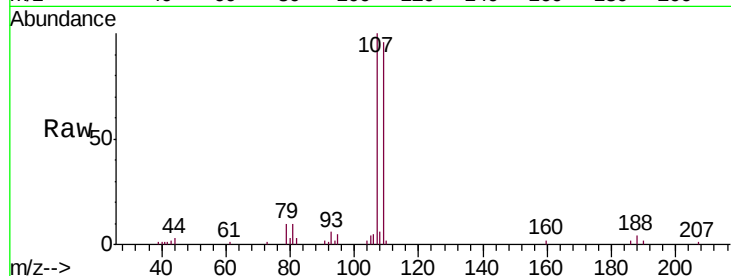




#61
 1,2-Dibromoethane
 Concen: 9.57 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

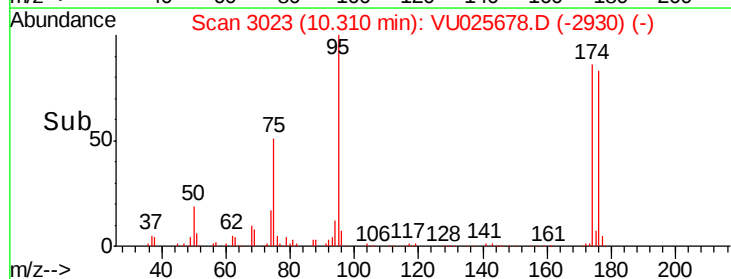
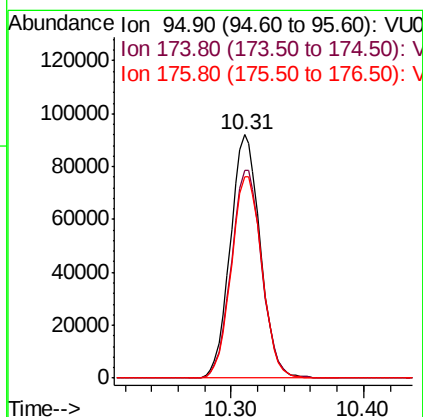
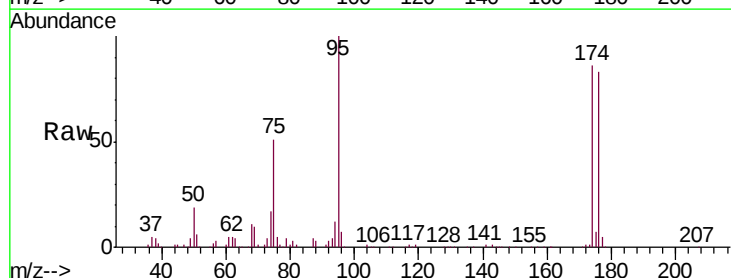
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

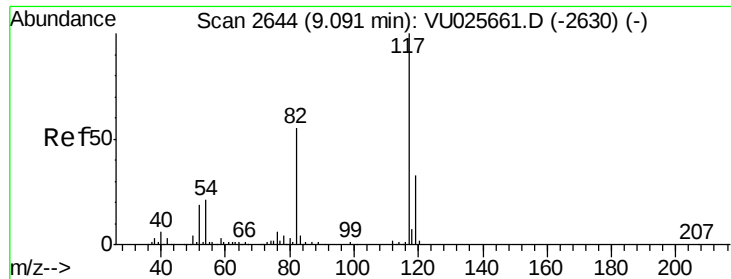
Tot Ion:107 Resp: 23048
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.72 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion: 95 Resp: 144218
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 172.2
 176 84.8 0.0 162.6

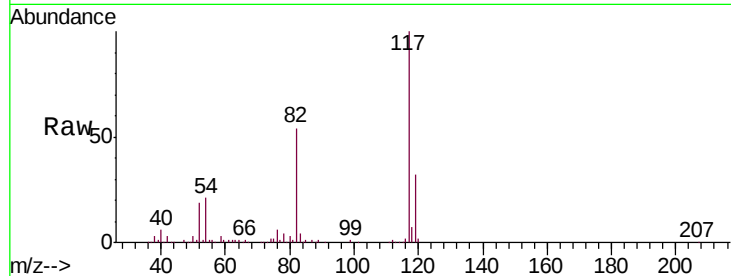




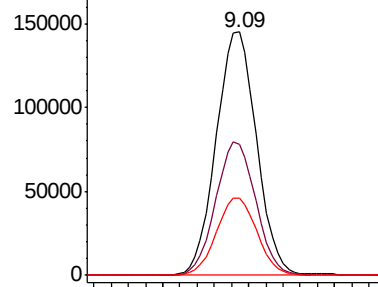
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

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

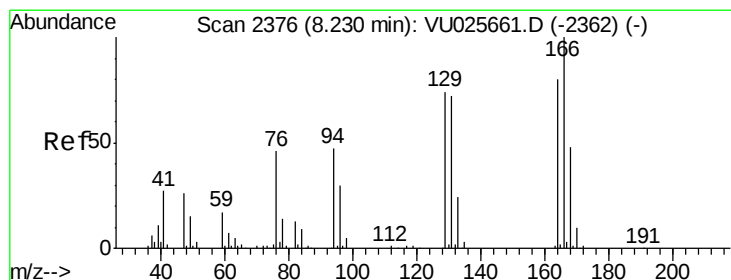
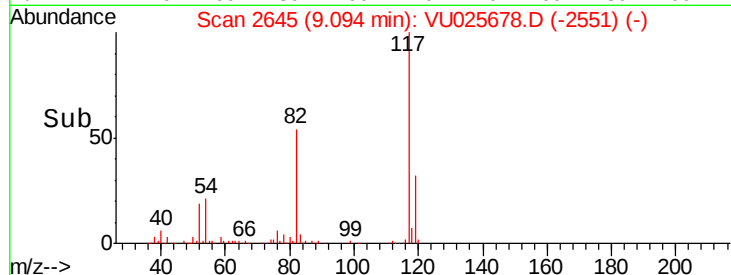
Tot Ion:117 Resp: 236604
Ion Ratio Lower Upper
117 100
82 53.8 46.0 69.0
119 31.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

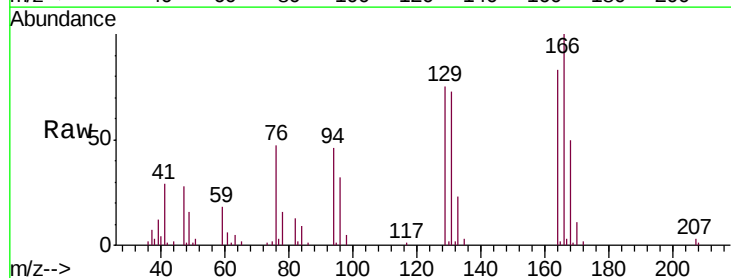


Time-->

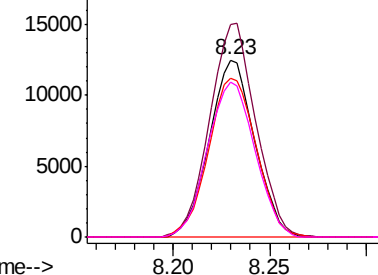


#64
Tetrachloroethene
Concen: 9.81 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

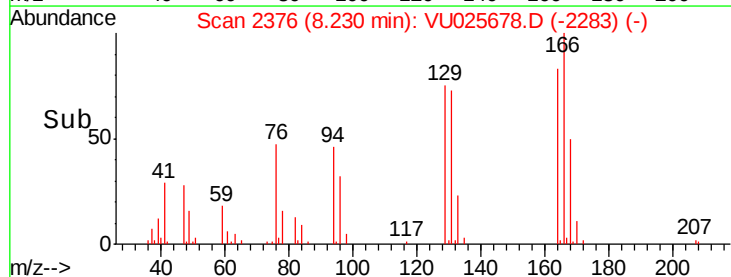
Tgt Ion:164 Resp: 20434
Ion Ratio Lower Upper
164 100
166 119.9 101.1 151.7
129 89.7 73.0 109.6
131 87.4 72.1 108.1

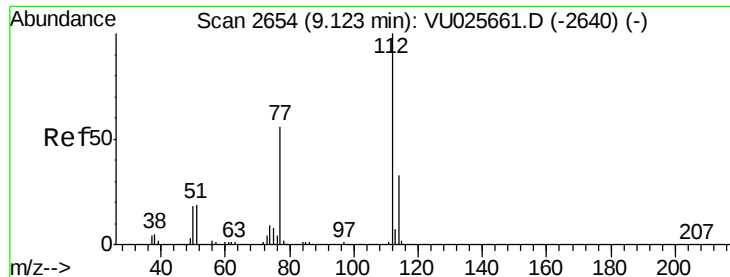


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time-->





#65

Chlorobenzene

Concen: 9.72 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

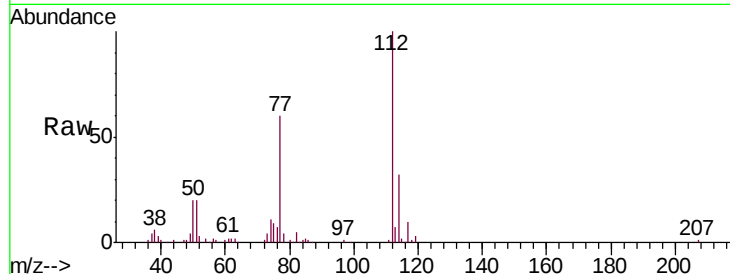
LOQ-WATER-02-QT3-2018

Tot Ion:112 Resp: 59295

Ion Ratio Lower Upper

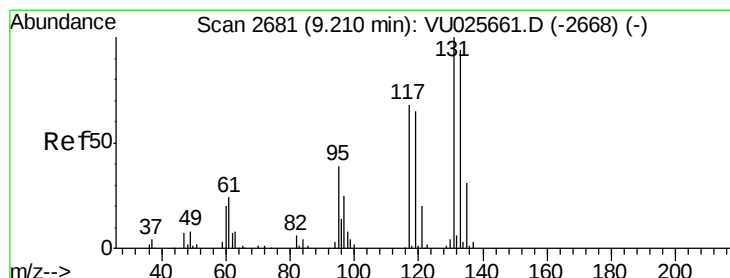
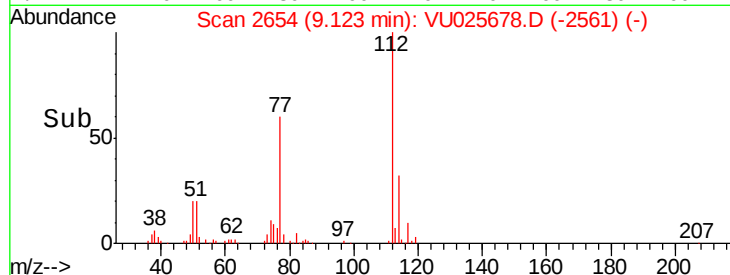
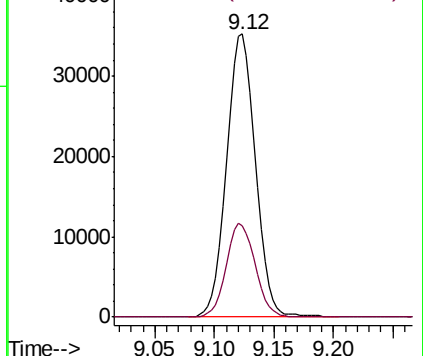
112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.17 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

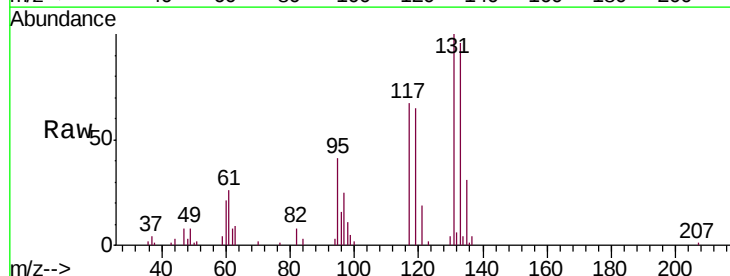
Tgt Ion:131 Resp: 22453

Ion Ratio Lower Upper

131 100

133 94.0 47.8 143.3

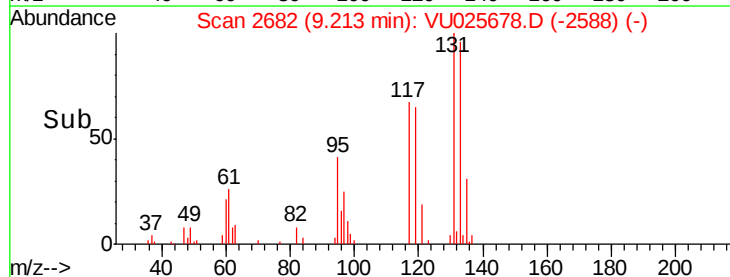
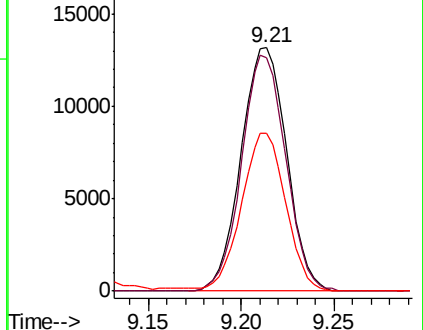
119 63.2 31.6 95.0

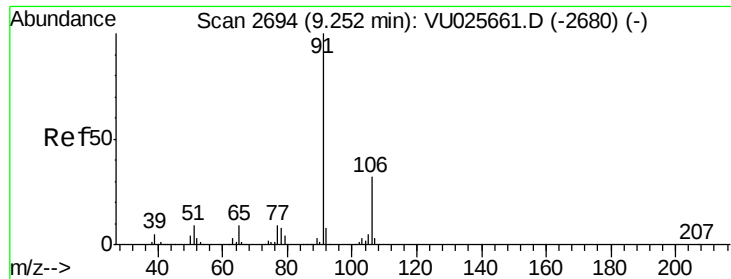


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 9.73 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

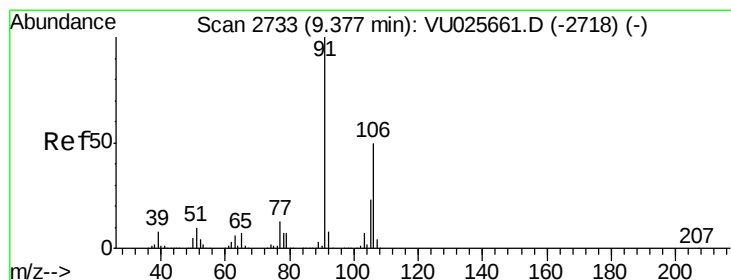
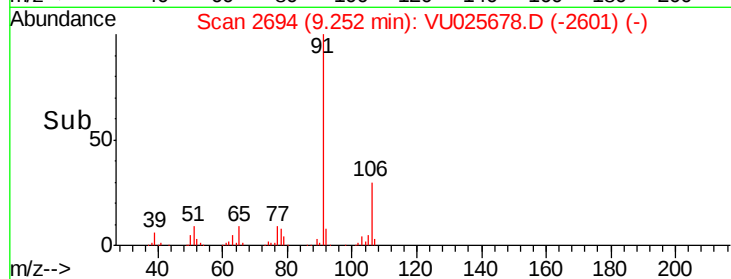
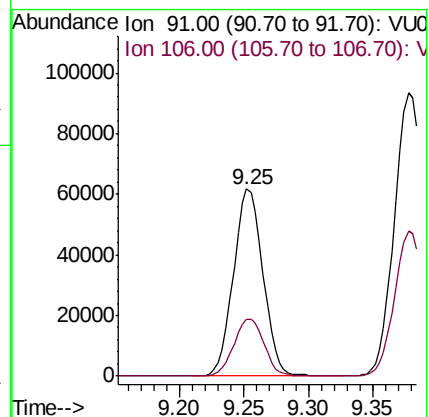
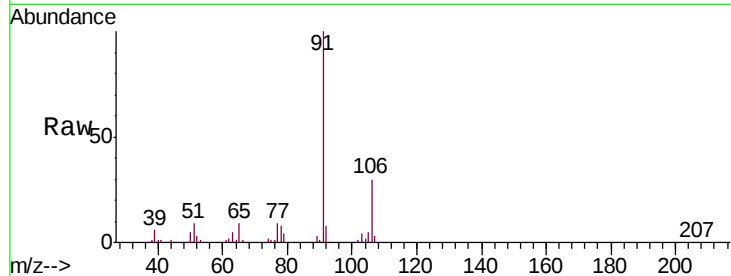
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 98306

Ion Ratio Lower Upper

91 100

106 30.0 25.3 37.9



#68

m/p-Xylenes

Concen: 20.13 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025678.D

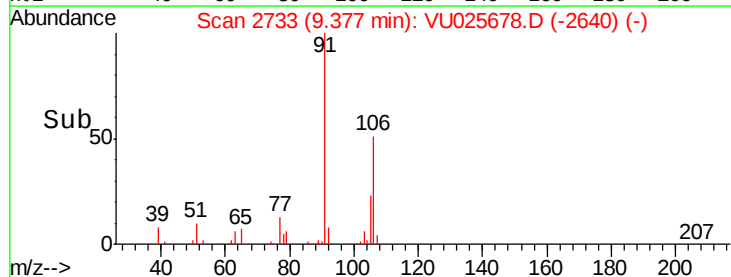
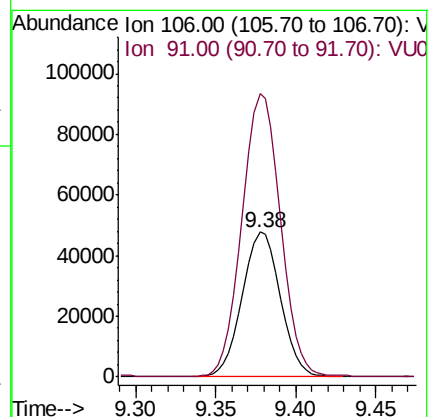
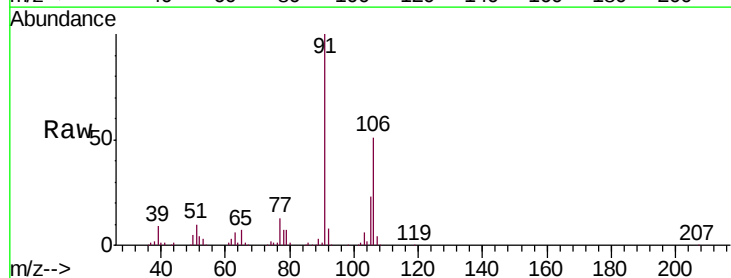
Acq: 27 Jul 2018 18:49

Tgt Ion: 106 Resp: 78104

Ion Ratio Lower Upper

106 100

91 196.6 162.3 243.5

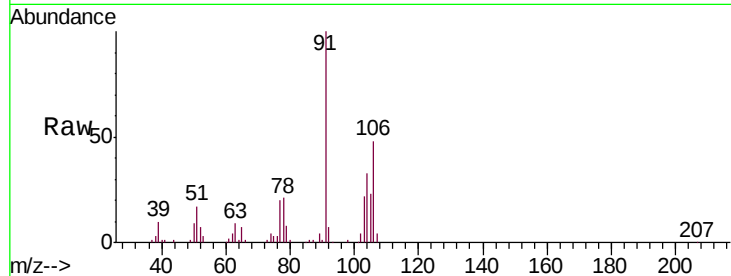




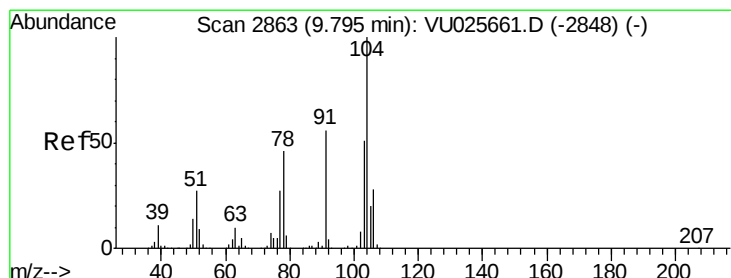
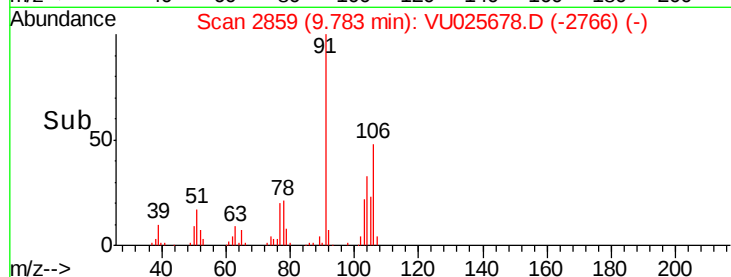
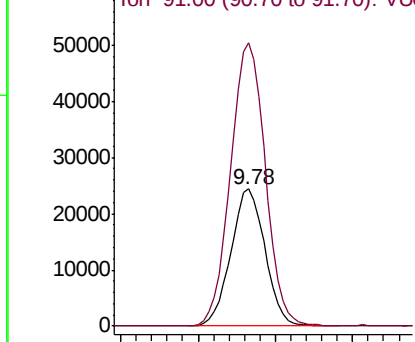
#69
o-Xylene
Concen: 9.84 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

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

Tot Ion:106 Resp: 37305
Ion Ratio Lower Upper
106 100
91 210.6 105.3 315.8

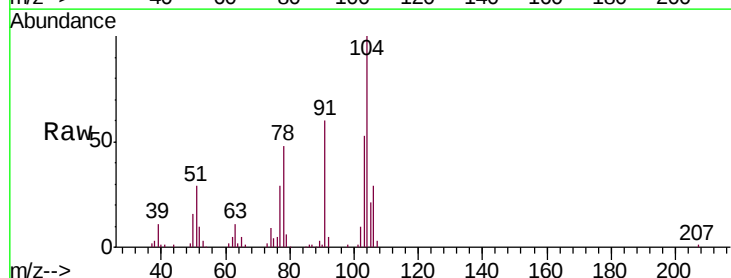


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

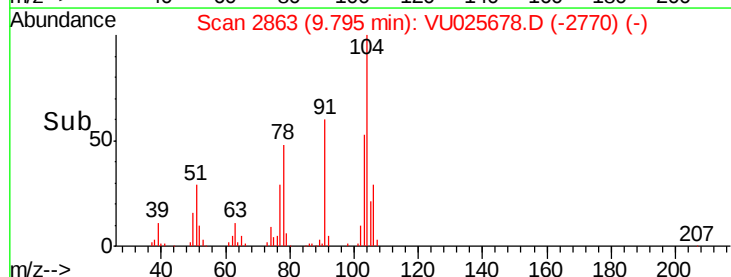
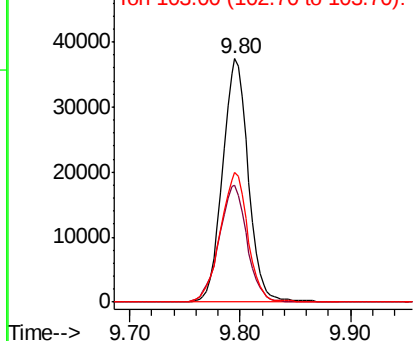


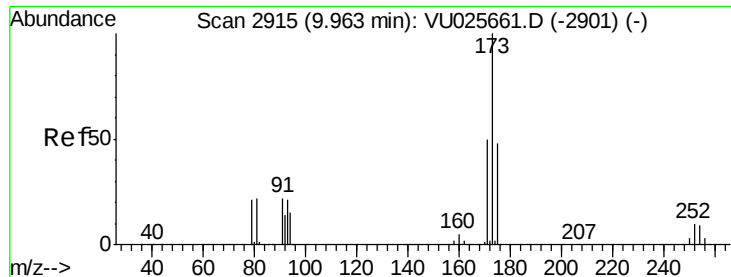
#70
Styrene
Concen: 9.88 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion:104 Resp: 60484
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 56.4 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 9.26 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

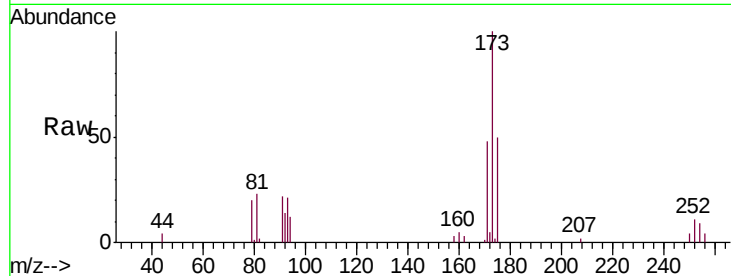
Tot Ion:173 Resp: 17716

Ion Ratio Lower Upper

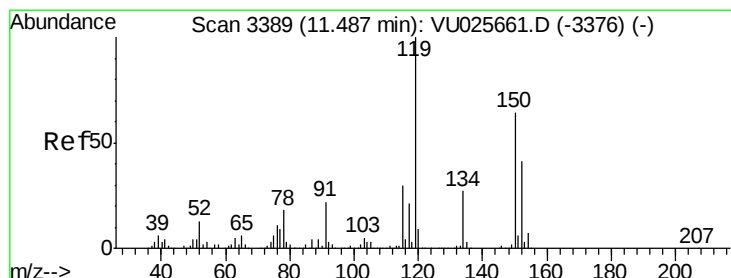
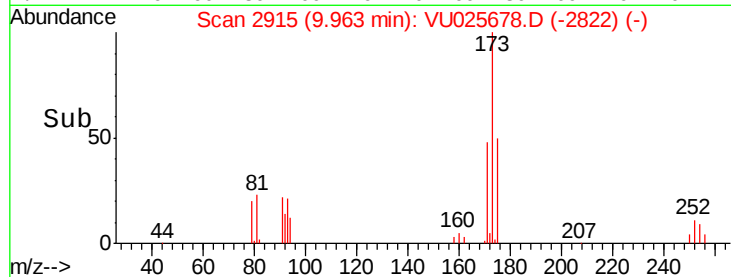
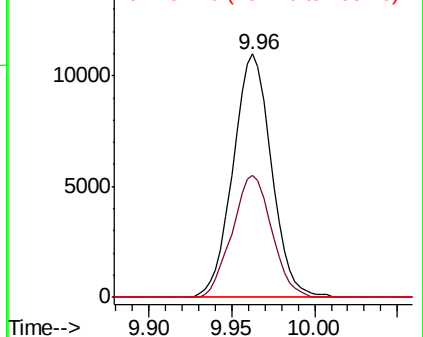
173 100

175 51.4 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

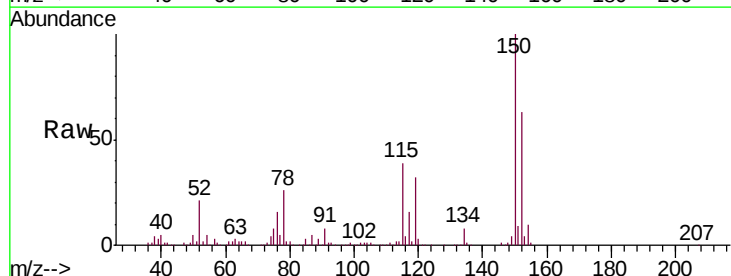
Tgt Ion:152 Resp: 144091

Ion Ratio Lower Upper

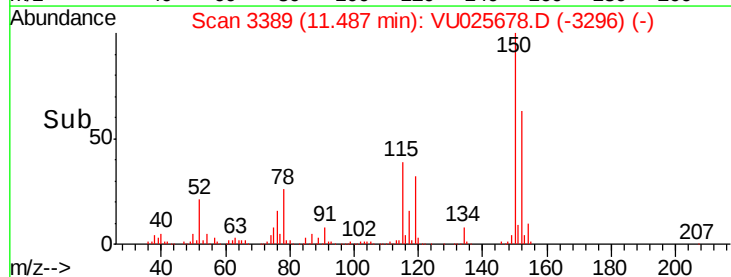
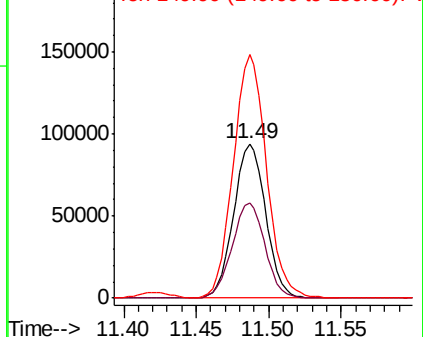
152 100

115 63.2 40.1 120.3

150 163.0 0.0 351.4



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





#73

Isopropylbenzene

Concen: 9.98 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

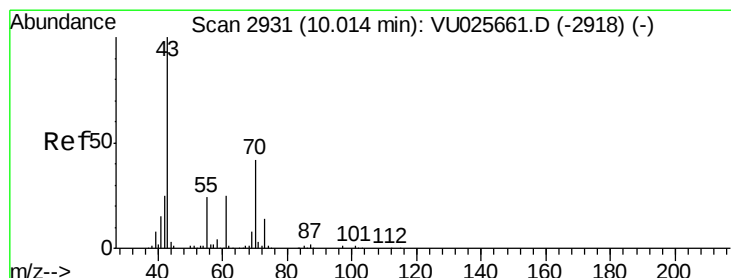
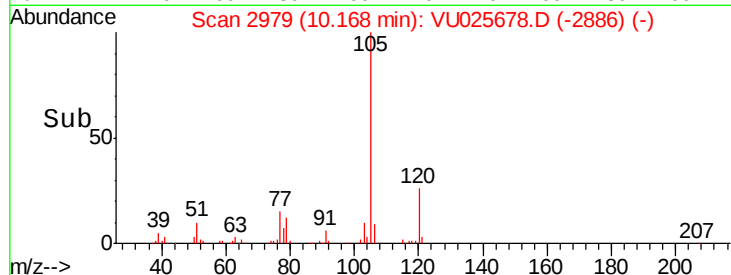
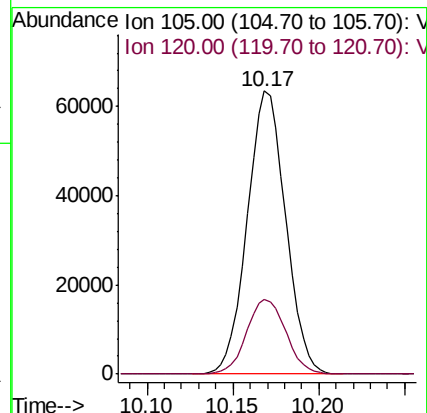
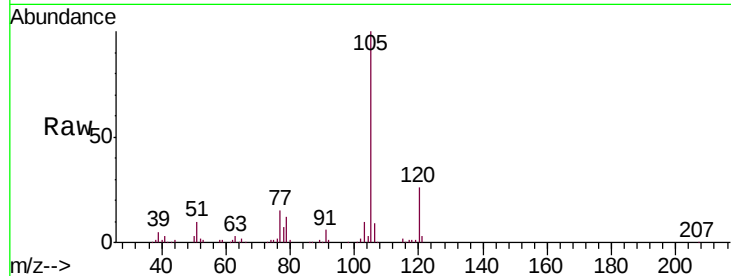
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 98185

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 10.54 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Tgt Ion: 43 Resp: 42317

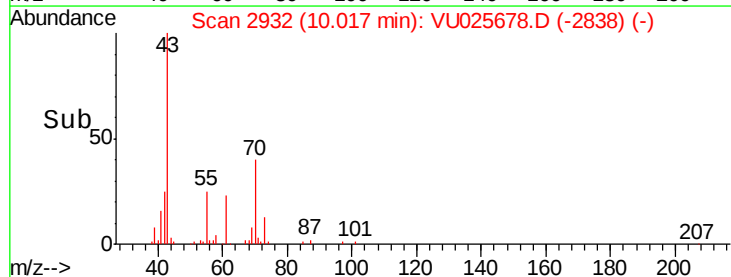
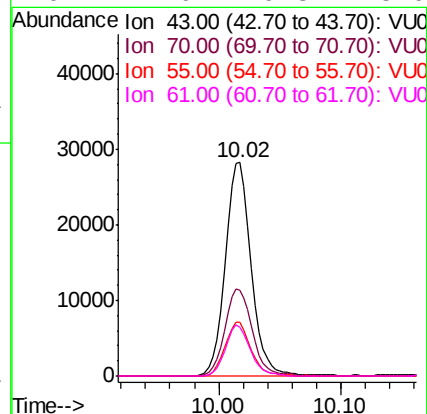
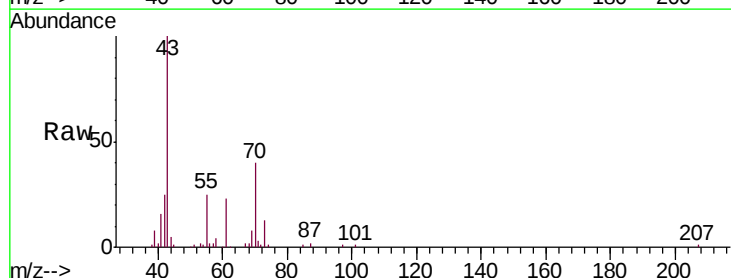
Ion Ratio Lower Upper

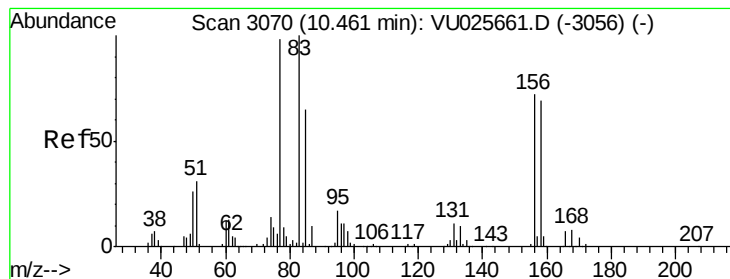
43 100

70 42.8 33.4 50.2

55 24.8 19.0 28.6

61 22.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 10.50 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

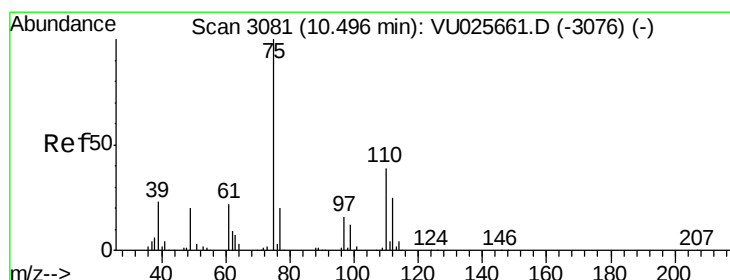
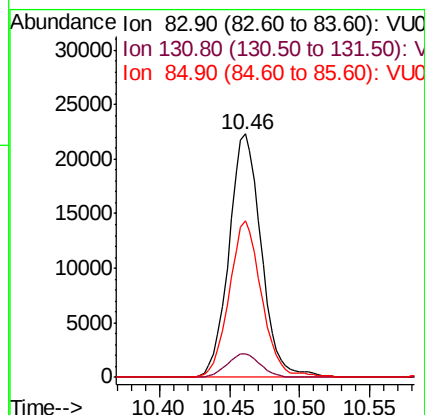
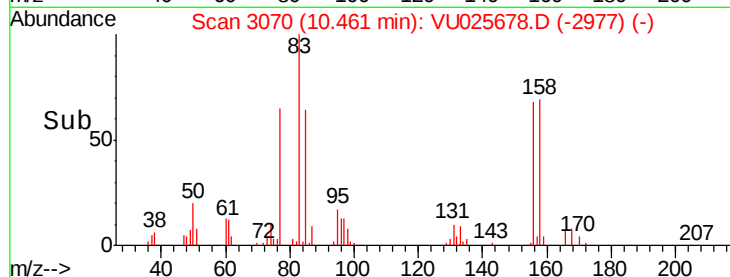
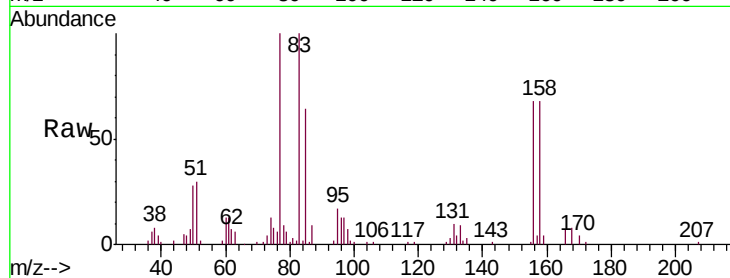
Tot Ion: 83 Resp: 35723

Ion Ratio Lower Upper

83 100

131 9.9 5.5 16.4

85 64.6 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 12.73 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025678.D

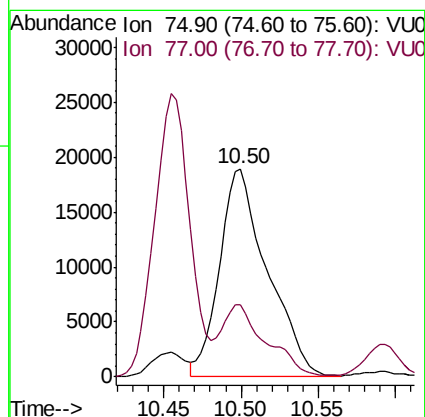
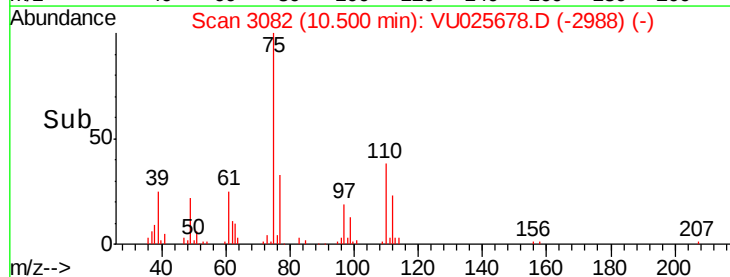
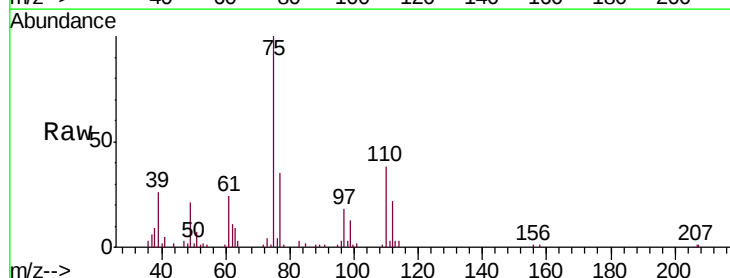
Acq: 27 Jul 2018 18:49

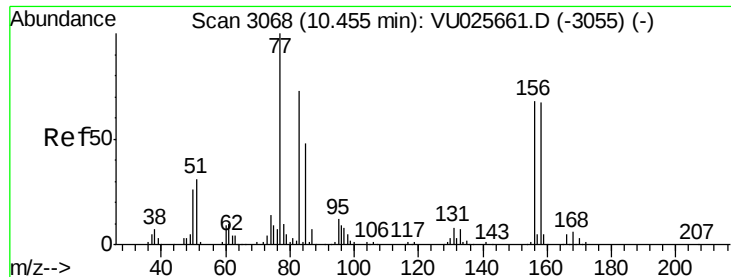
Tgt Ion: 75 Resp: 40429

Ion Ratio Lower Upper

75 100

77 31.3 20.4 61.3





#77

Bromobenzene

Concen: 10.08 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

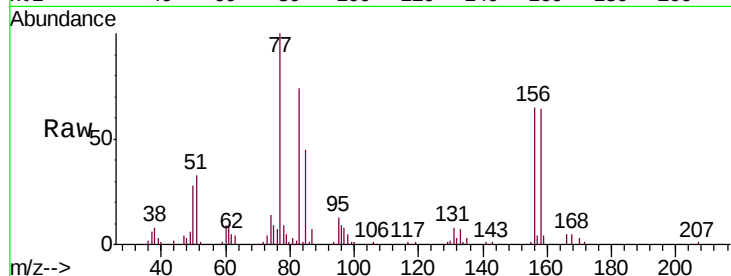
Tot Ion:156 Resp: 27331

Ion Ratio Lower Upper

156 100

77 149.9 73.8 221.4

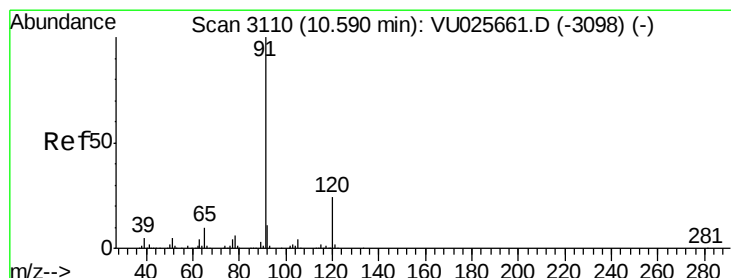
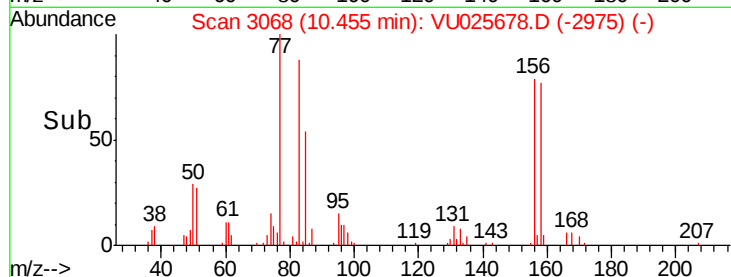
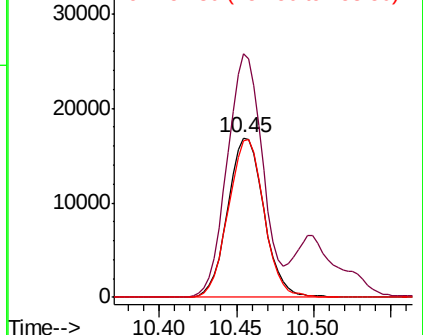
158 97.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.15 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025678.D

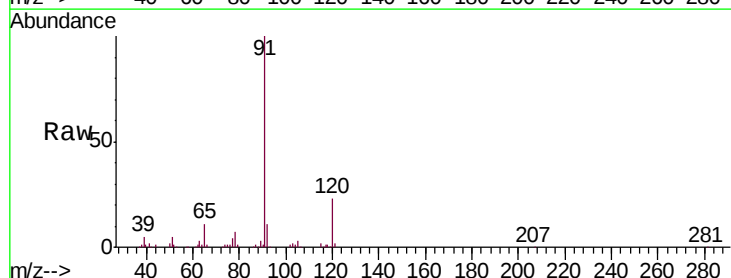
Acq: 27 Jul 2018 18:49

Tgt Ion: 91 Resp: 116481

Ion Ratio Lower Upper

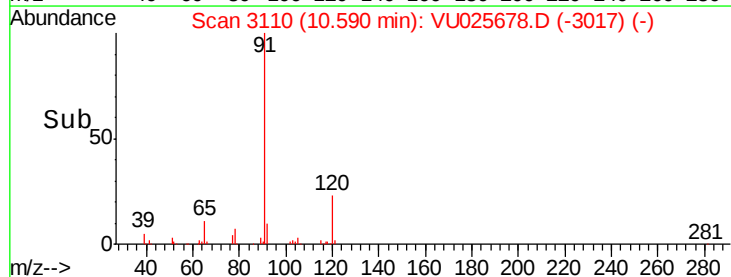
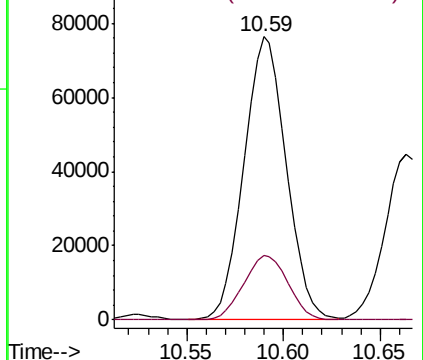
91 100

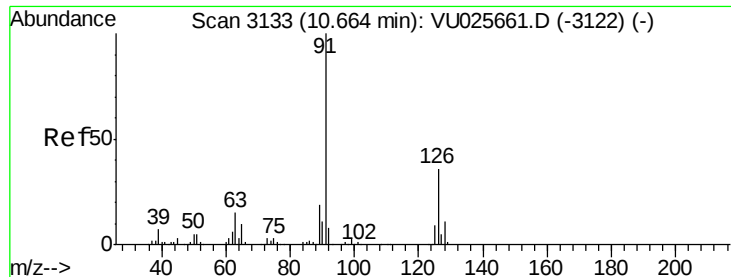
120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.50 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

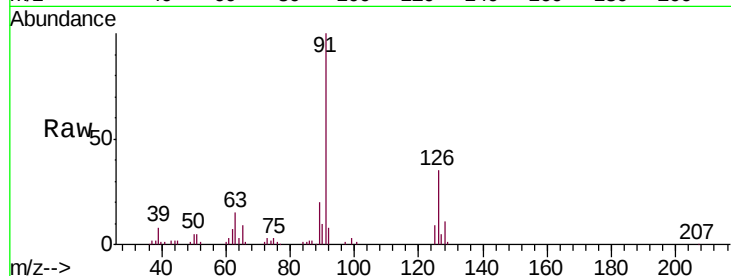
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 70565

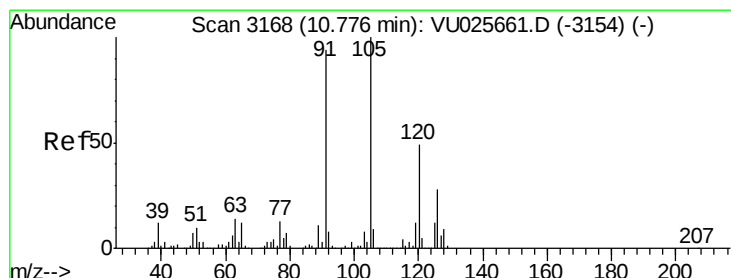
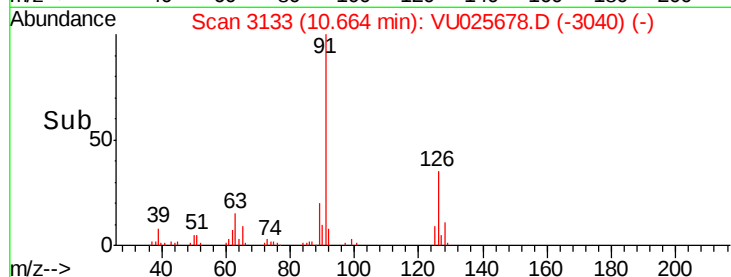
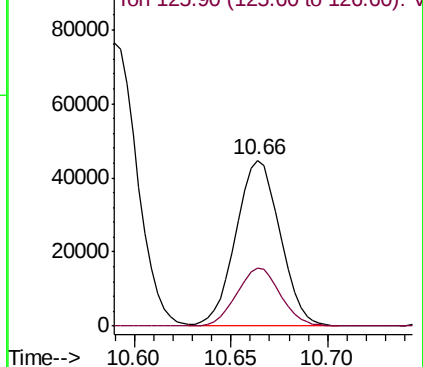
Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.25 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025678.D

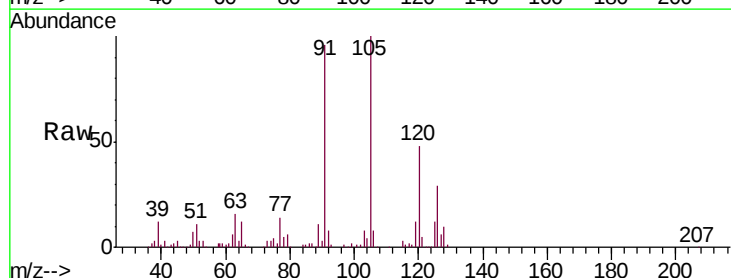
Acq: 27 Jul 2018 18:49

Tgt Ion: 105 Resp: 85640

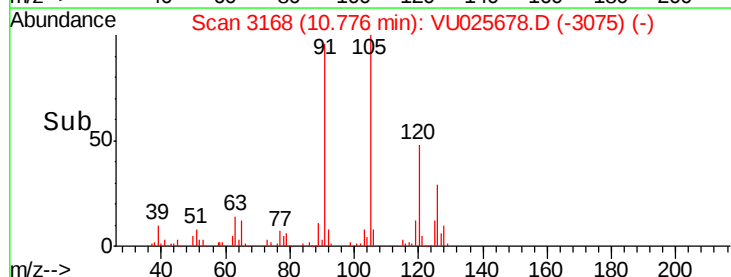
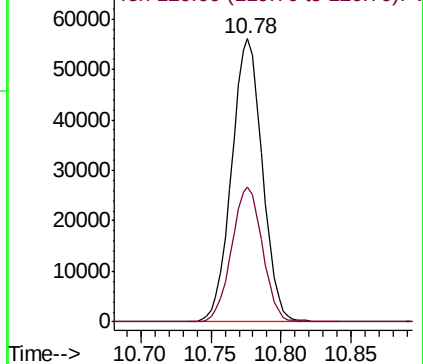
Ion Ratio Lower Upper

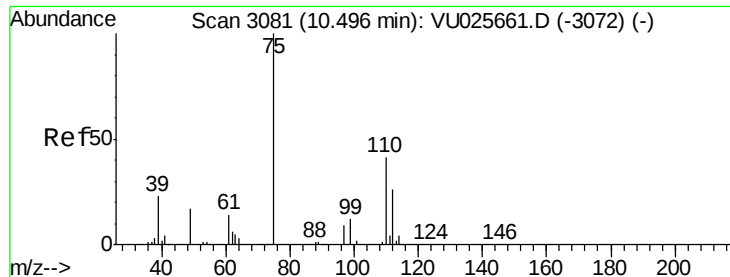
105 100

120 47.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 31.93 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

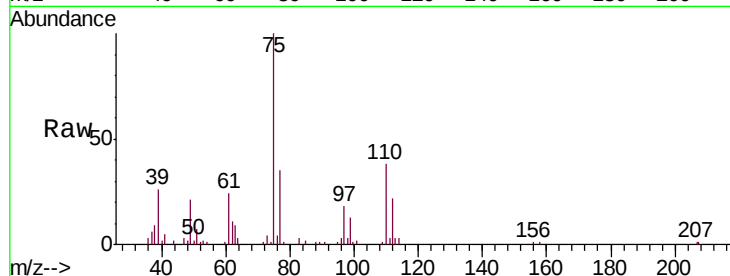
Tot Ion: 75 Resp: 40429

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

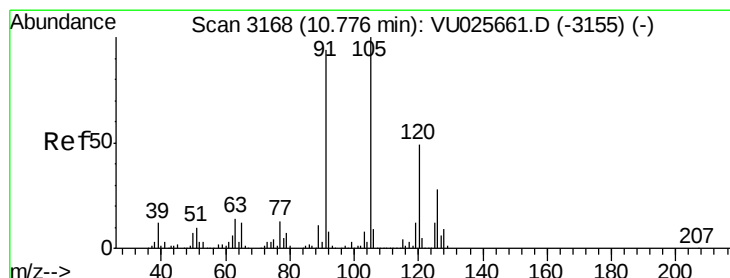
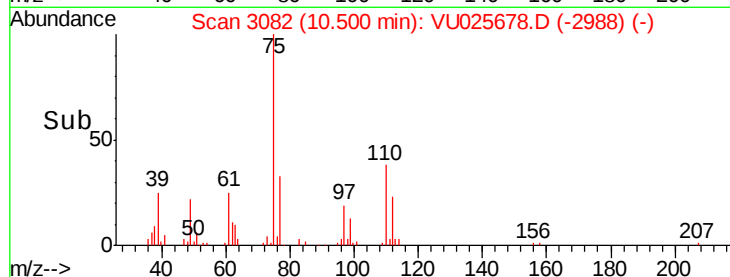
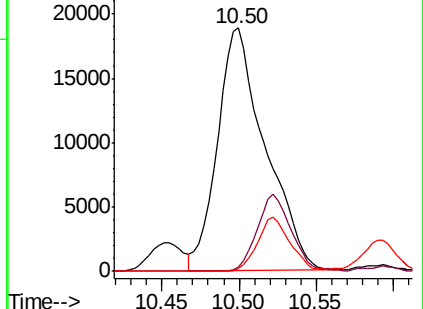
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3072) (-)

Ion 53.00 (52.70 to 53.70): VU025661.D (-3072) (-)

Ion 88.90 (88.60 to 89.60): VU025661.D (-3072) (-)



#82

4-Chlorotoluene

Concen: 10.47 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025678.D

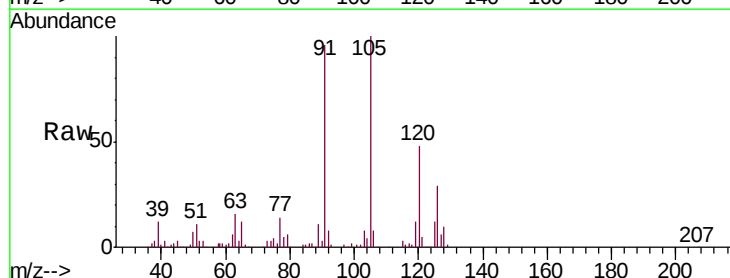
Acq: 27 Jul 2018 18:49

Tgt Ion: 91 Resp: 82977

Ion Ratio Lower Upper

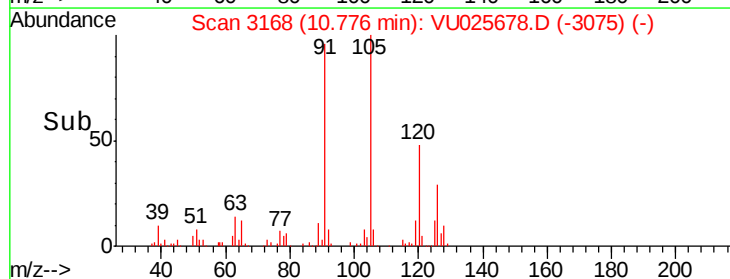
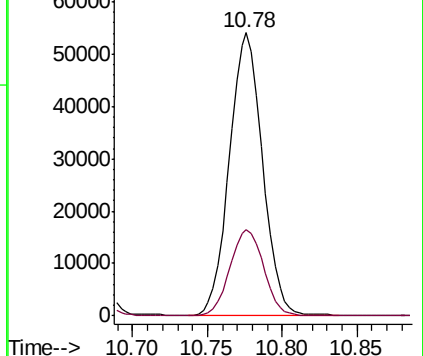
91 100

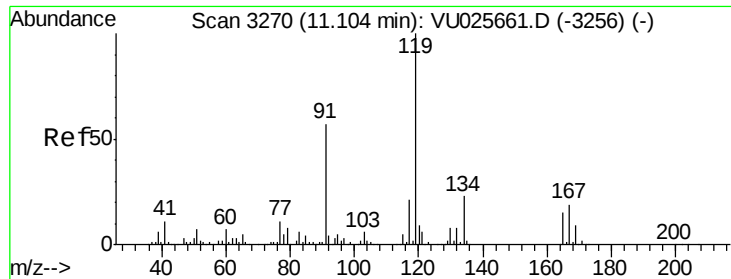
126 31.2 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3155) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3155) (-)

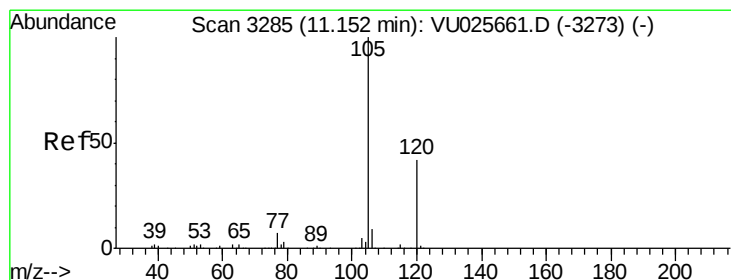
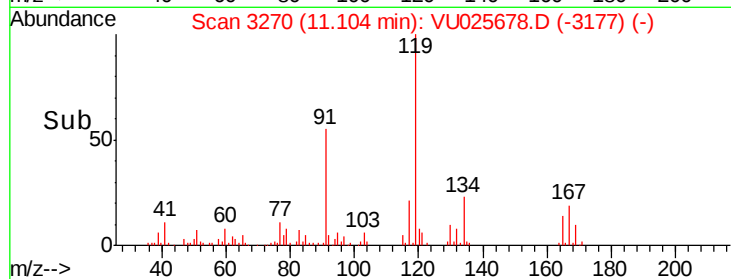
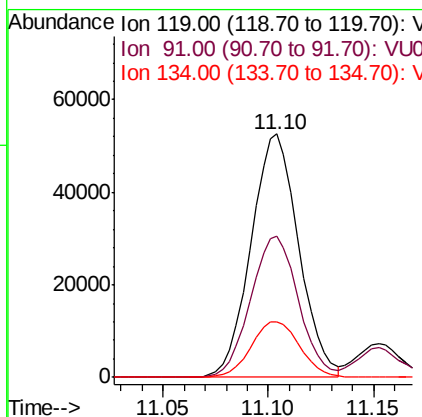
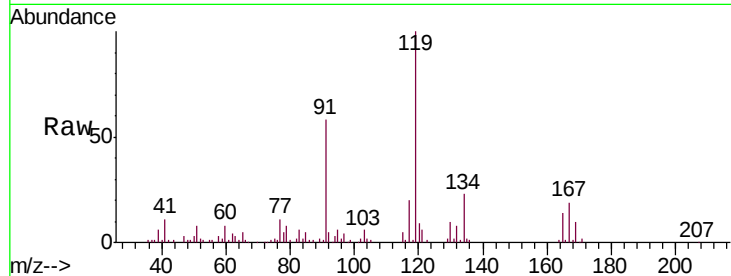




#83
 tert-Butylbenzene
 Concen: 9.97 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

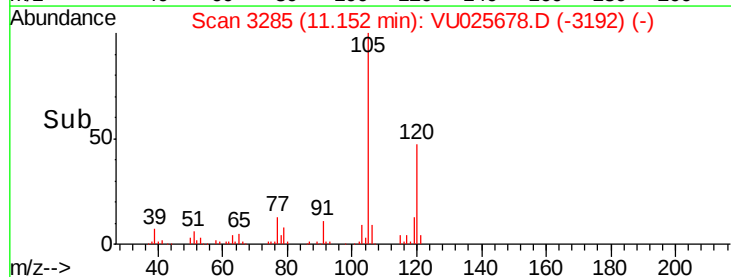
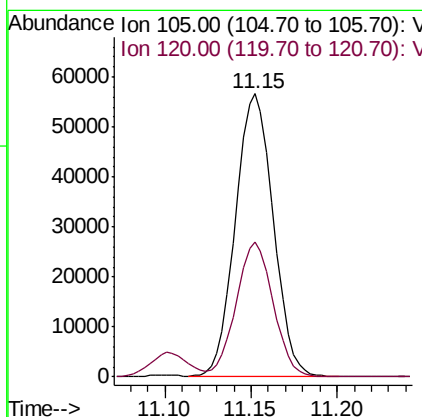
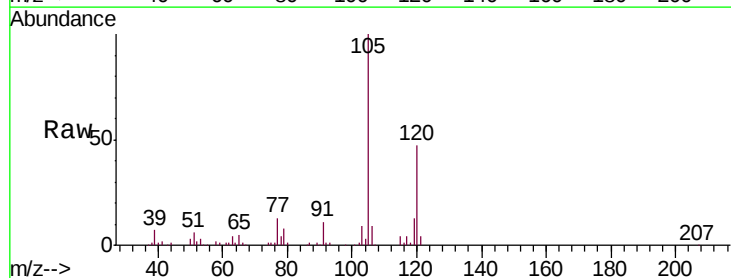
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

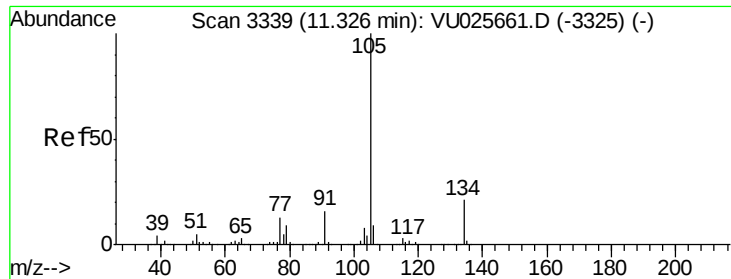
Tot Ion:119 Resp: 82715
 Ion Ratio Lower Upper
 119 100
 91 58.3 29.7 89.1
 134 23.2 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.15 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion:105 Resp: 85892
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.3 66.8

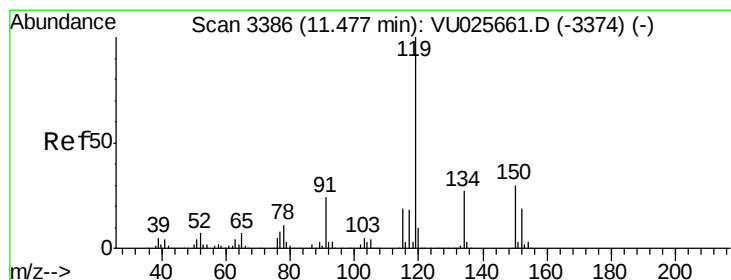
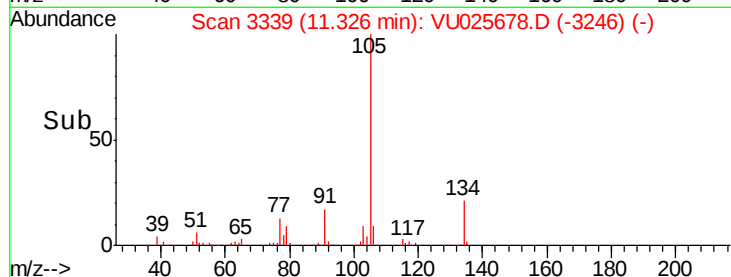
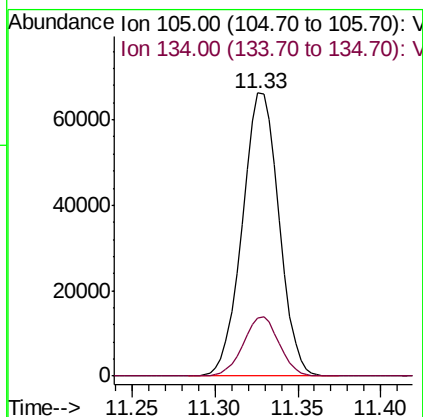
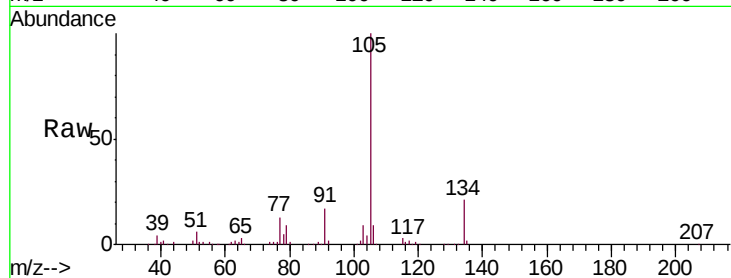




#85
 sec-Butylbenzene
 Concen: 10.08 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

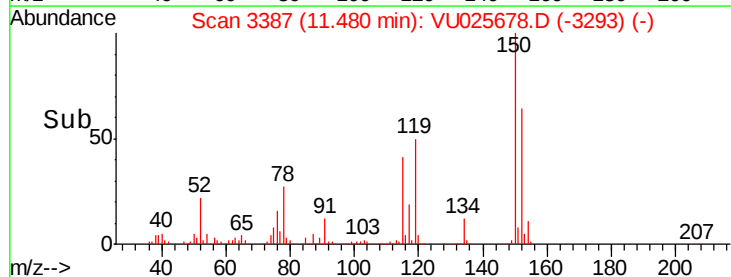
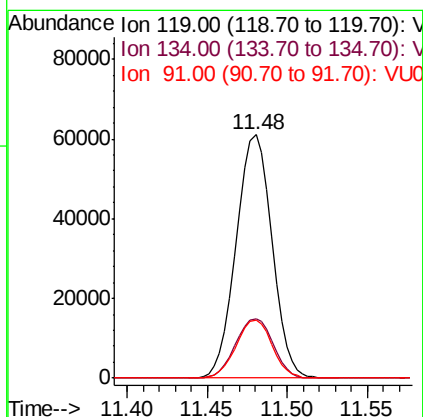
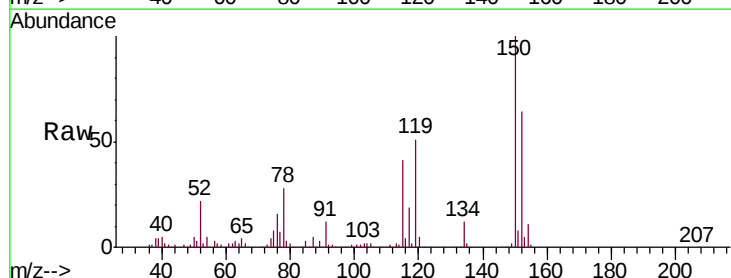
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

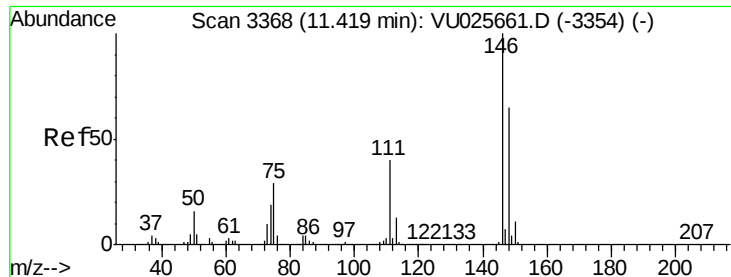
Tot Ion:105 Resp: 102154
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 10.25 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion:119 Resp: 92966
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.5
 91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 10.40 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

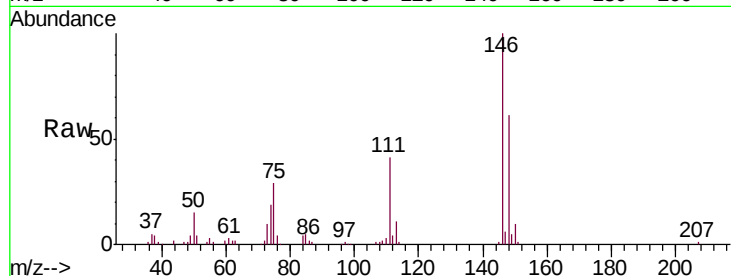
Tot Ion:146 Resp: 52362

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.1

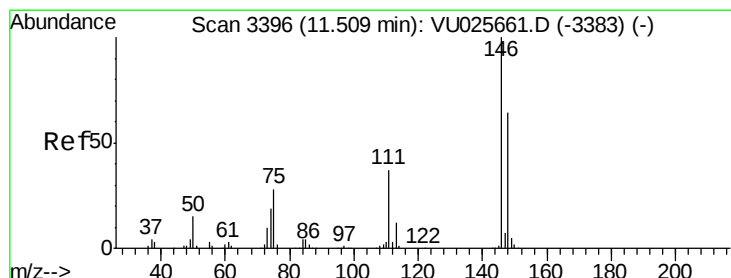
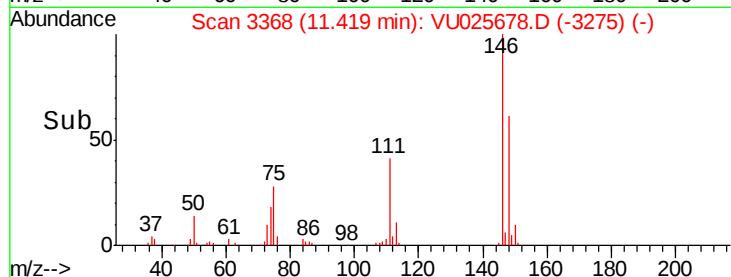
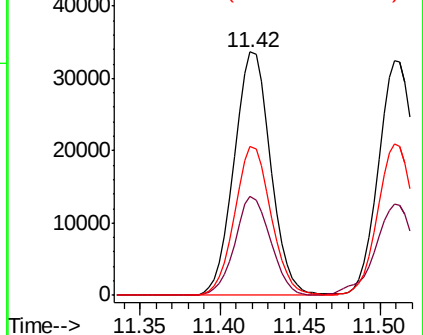
148 60.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.02 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

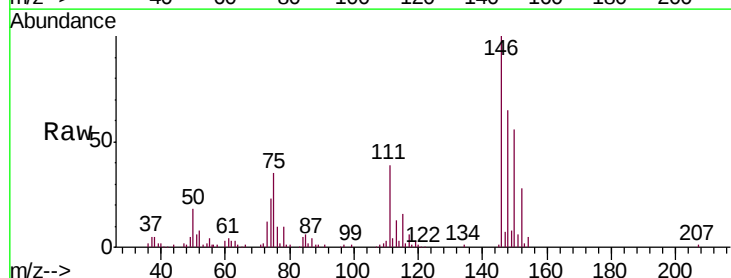
Tgt Ion:146 Resp: 52592

Ion Ratio Lower Upper

146 100

111 41.0 19.4 58.1

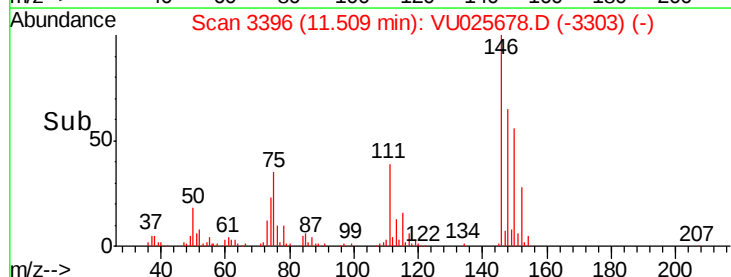
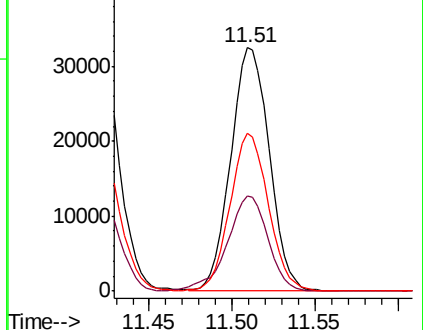
148 64.5 31.7 95.1

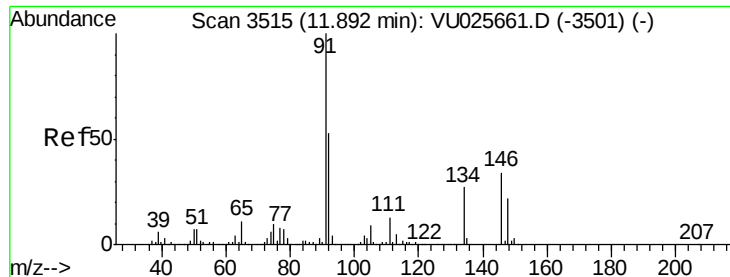


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 9.86 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument:

MSVOA_U

ClientSampleId:

LOQ-WATER-02-QT3-2018

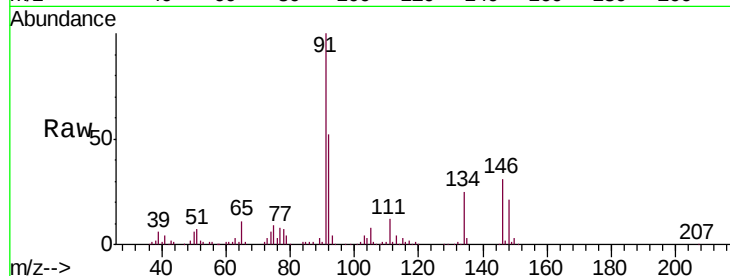
Tot Ion: 91 Resp: 82581

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

134 26.0 13.6 40.7

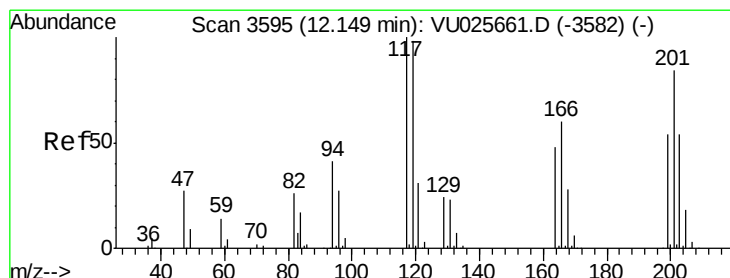
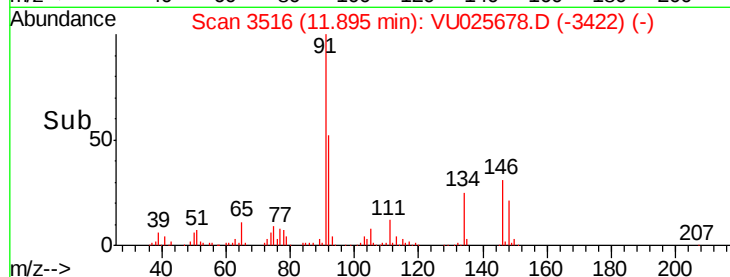


Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025661.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025661.D (-3501) (-)

Time-->



#90

Hexachloroethane

Concen: 9.26 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025678.D

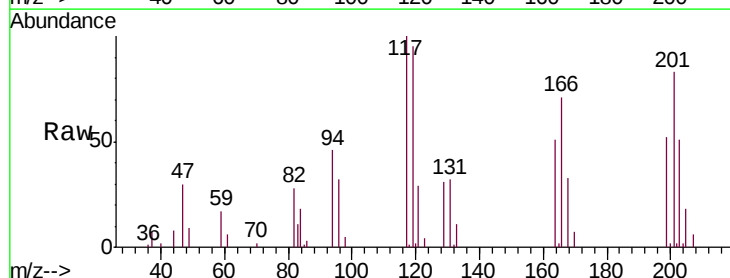
Acq: 27 Jul 2018 18:49

Tgt Ion: 117 Resp: 14932

Ion Ratio Lower Upper

117 100

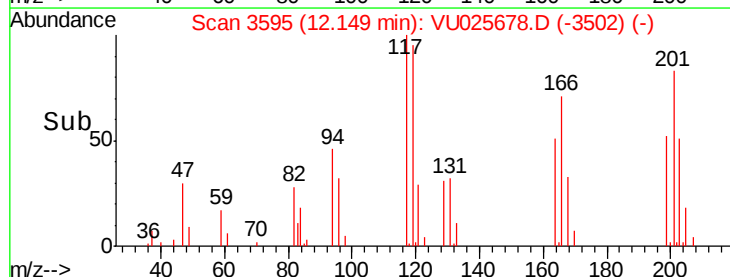
201 82.8 42.5 127.6

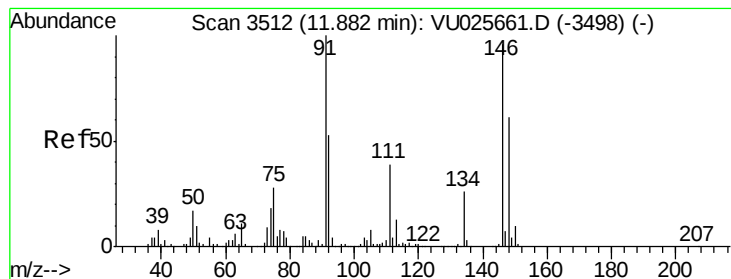


Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025661.D (-3582) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 10.50 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

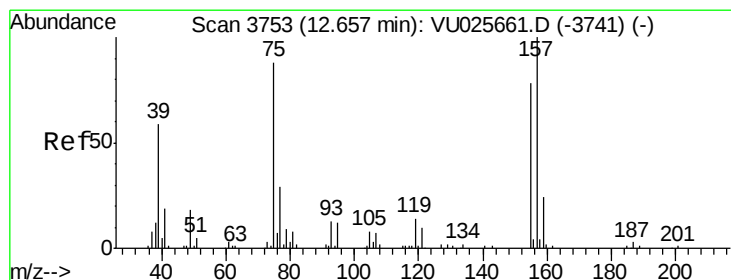
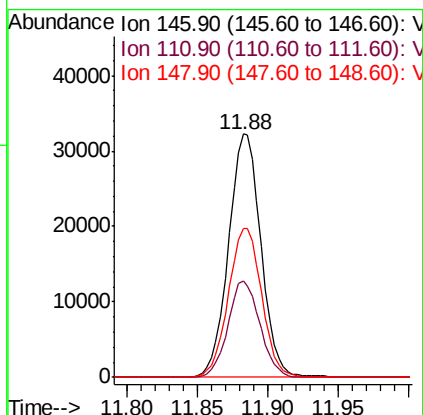
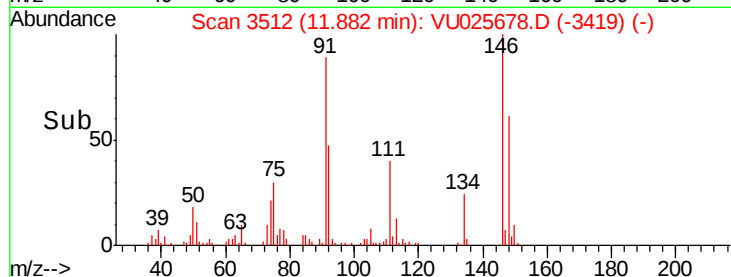
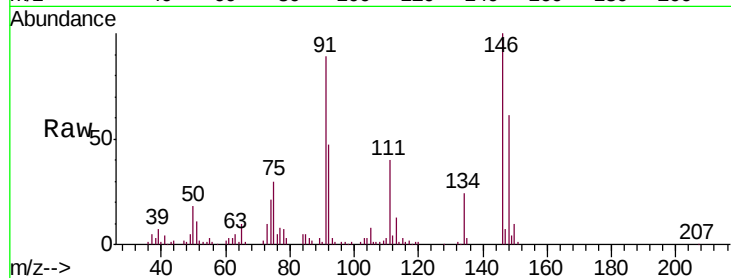
Tot Ion:146 Resp: 51805

Ion Ratio Lower Upper

146 100

111 39.1 20.6 61.8

148 63.0 31.5 94.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.40 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025678.D

Acq: 27 Jul 2018 18:49

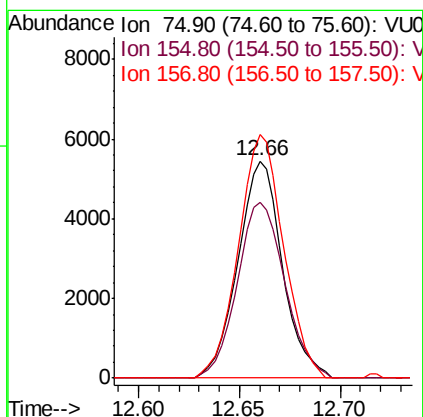
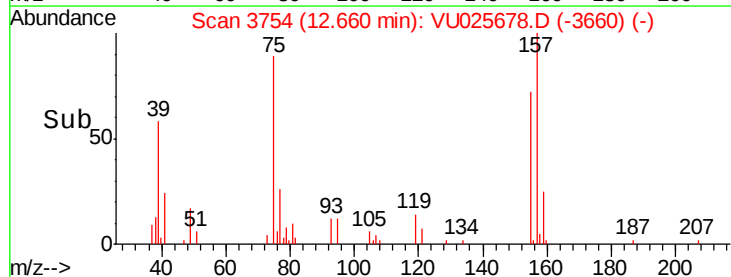
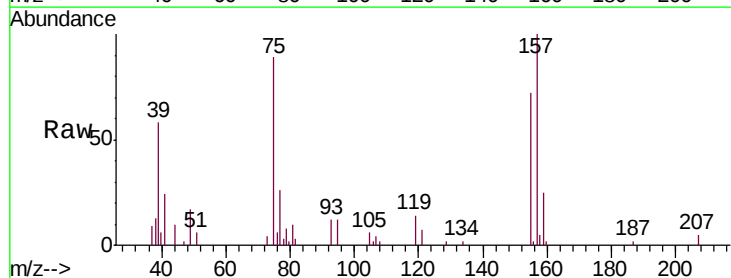
Tgt Ion: 75 Resp: 8388

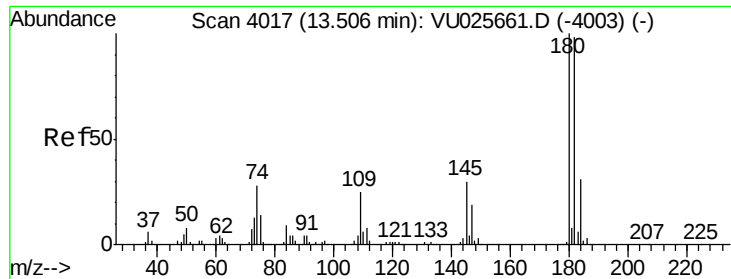
Ion Ratio Lower Upper

75 100

155 87.0 44.5 133.3

157 114.4 57.0 170.8

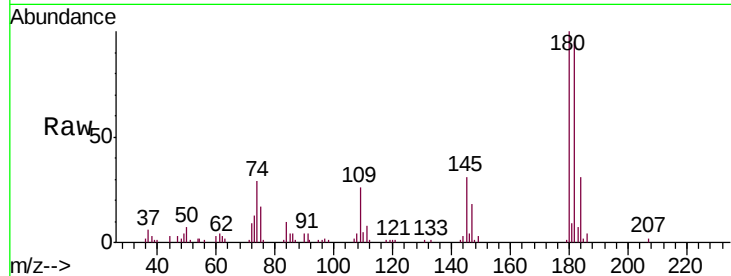




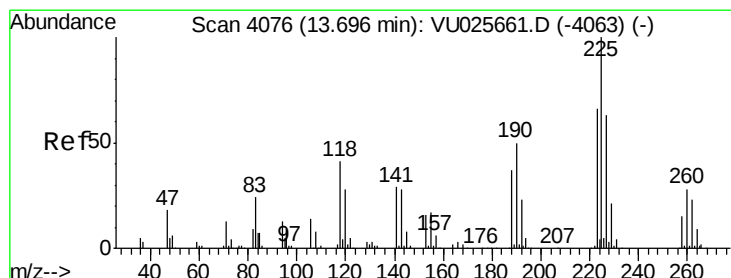
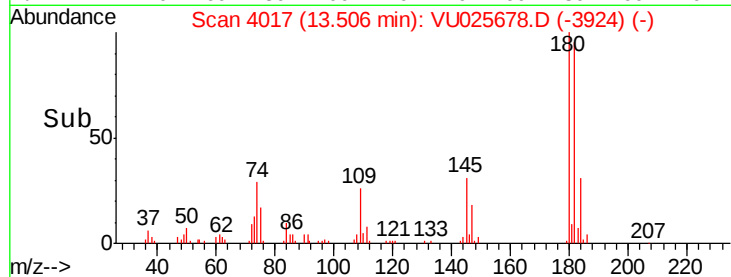
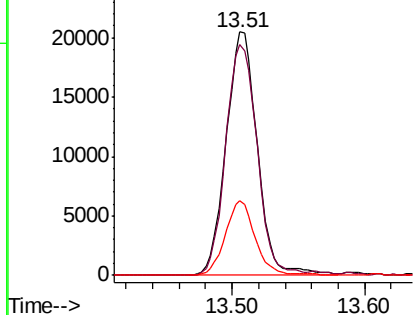
#93
 1,2,4-Trichlorobenzene
 Concen: 10.08 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

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

Tot Ion:180 Resp: 33583
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 141.9
 145 29.1 14.9 44.7

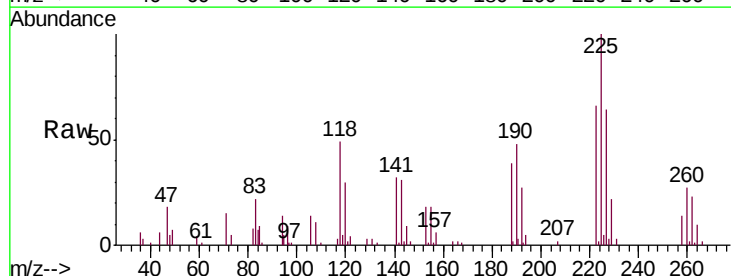


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

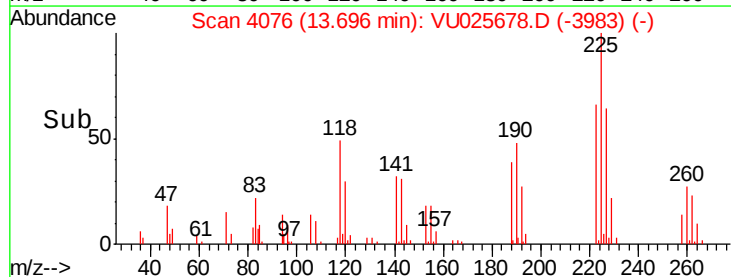
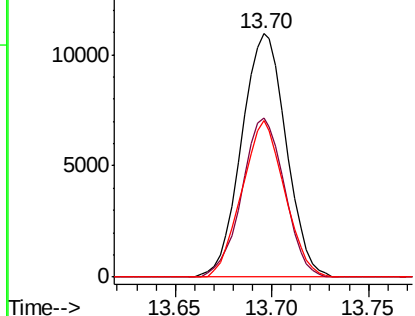


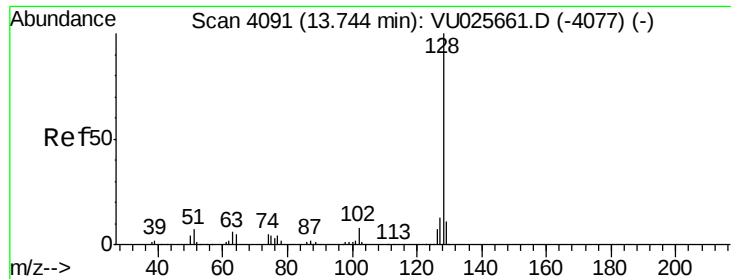
#94
 Hexachlorobutadiene
 Concen: 9.97 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025678.D
 Acq: 27 Jul 2018 18:49

Tgt Ion:225 Resp: 17508
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.7
 227 61.8 32.3 96.9



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

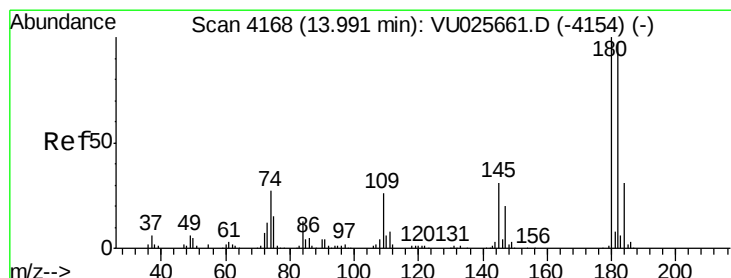
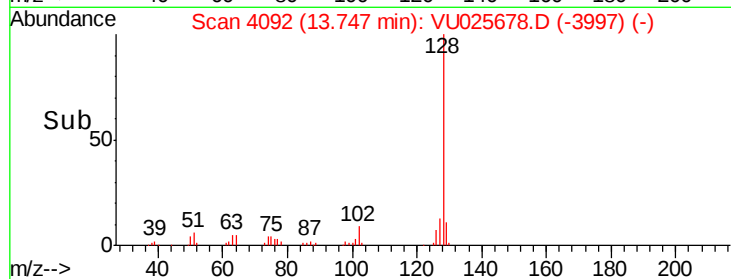
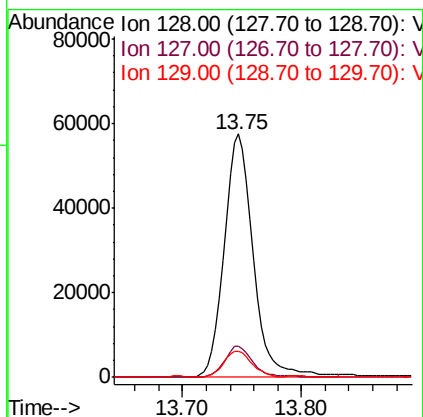
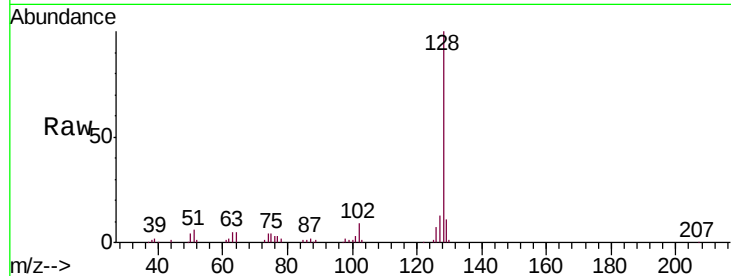




#95
Naphthalene
Concen: 10.15 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

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

Tot Ion:128 Resp: 97656
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 10.02 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025678.D
Acq: 27 Jul 2018 18:49

Tgt Ion:180 Resp: 33290
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 32.0 15.6 46.8

