

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025675.D
 Acq On : 27 Jul 2018 17:38
 Operator : MD/SY
 Sample : J3762-07 LOD/MDL 2.5PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 28 03:40:13 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	168736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253740	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	242652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	134358	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	4.89	113	107009	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.57	98	380331	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	10.31	95	140258	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	5021	1.97	ug/l	96
3) Chloromethane	1.33	50	5801	2.38	ug/l	99
4) Vinyl Chloride	1.40	62	5494	2.40	ug/l	93
5) Bromomethane	1.63	94	2763	2.47	ug/l	88
6) Chloroethane	1.70	64	3045	2.27	ug/l	96
7) Trichlorofluoromethane	1.89	101	8443	2.55	ug/l	92
8) Diethyl Ether	2.10	74	3177	2.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	5208	2.71	ug/l	98
10) Methyl Iodide	2.42	142	2116	9.57	ug/l #	96
11) Tert butyl alcohol	2.83	59	8828	15.34	ug/l	97
12) 1,1-Dichloroethene	2.28	96	4758	2.63	ug/l	93
13) Acrolein	2.19	56	3970	17.15	ug/l	91
14) Allyl chloride	2.59	41	7881	2.42	ug/l	93
15) Acrylonitrile	2.94	53	15873	13.81	ug/l	94
16) Acetone	2.32	43	16017	12.50	ug/l	95
17) Carbon Disulfide	2.48	76	14642	2.50	ug/l	100
18) Methyl Acetate	2.62	43	7071	2.29	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	16261	2.48	ug/l	98
20) Methylene Chloride	2.71	84	5816	2.56	ug/l	93
21) trans-1,2-Dichloroethene	2.99	96	5162	2.46	ug/l	95
22) Diisopropyl ether	3.57	45	16378	2.55	ug/l	95
23) Vinyl Acetate	3.53	43	71699	12.82	ug/l	98
24) 1,1-Dichloroethane	3.45	63	10054	2.61	ug/l	97
25) 2-Butanone	4.27	43	22461	12.87	ug/l	98
26) 2,2-Dichloropropane	4.23	77	8677	2.48	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	5820	2.46	ug/l	100
28) Bromochloromethane	4.55	49	4414	2.56	ug/l #	99
29) Tetrahydrofuran	4.65	42	14389	13.76	ug/l	98
30) Chloroform	4.68	83	10267	2.53	ug/l	90
31) Cyclohexane	5.00	56	11108	2.02	ug/l #	83
32) 1,1,1-Trichloroethane	4.92	97	8907	2.43	ug/l	98
36) 1,1-Dichloropropene	5.14	75	7546	2.54	ug/l	97
37) Ethyl Acetate	4.39	43	8584	2.79	ug/l #	94
38) Carbon Tetrachloride	5.14	117	8014	2.39	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	8473	2.49	ug/l	95
40) Benzene	5.39	78	20809	2.40	ug/l	97
41) Methacrylonitrile	4.55	41	4676	2.74	ug/l #	93
42) 1,2-Dichloroethane	5.41	62	7602	2.28	ug/l	96
43) Isopropyl Acetate	5.55	43	13082	2.57	ug/l	98
44) Trichloroethene	6.19	130	5760	2.39	ug/l	81
45) 1,2-Dichloropropane	6.44	63	5241	2.32	ug/l	99
46) Dibromomethane	6.56	93	4434	2.71	ug/l	89
47) Bromodichloromethane	6.76	83	7591	2.43	ug/l	91
48) Methyl methacrylate	6.63	41	6024	2.42	ug/l	97
49) 1,4-Dioxane	6.62	88	3129	51.63	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	39250	12.34	ug/l	96
52) Toluene	7.64	92	13354	2.48	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	8114	2.31	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	8111	2.25	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	5598	2.50	ug/l	95
56) Ethyl methacrylate	8.02	69	7329	2.29	ug/l	97
57) 1,3-Dichloropropane	8.25	76	9014	2.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	61	7.12	ug/l #	47
59) 2-Hexanone	8.37	43	29132	11.68	ug/l	99
60) Dibromochloromethane	8.48	129	5758	2.18	ug/l	99
61) 1,2-Dibromoethane	8.59	107	6150	2.47	ug/l	94
64) Tetrachloroethene	8.23	164	5306	2.48	ug/l	95
65) Chlorobenzene	9.12	112	15451	2.47	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	5492	2.43	ug/l	98
67) Ethyl Benzene	9.25	91	25222	2.43	ug/l	94
68) m/p-Xylenes	9.38	106	19269	4.84	ug/l	98
69) o-Xylene	9.78	106	9632	2.48	ug/l	95
70) Styrene	9.80	104	14312	2.28	ug/l	98
71) Bromoform	9.97	173	4179	2.13	ug/l #	98
73) Isopropylbenzene	10.17	105	24537	2.51	ug/l	98
74) N-amyl acetate	10.02	43	10169	2.55	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	8984	2.66	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	9931	3.15	ug/l	88
77) Bromobenzene	10.46	156	7004	2.60	ug/l	99
78) n-propylbenzene	10.59	91	29362	2.58	ug/l	99
79) 2-Chlorotoluene	10.66	91	17492	2.62	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	20641	2.49	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	9931	7.90	ug/l #	100
82) 4-Chlorotoluene	10.78	91	21355	2.71	ug/l	99
83) tert-Butylbenzene	11.10	119	20798	2.52	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	20805	2.48	ug/l	99
85) sec-Butylbenzene	11.33	105	24261	2.41	ug/l	99
86) p-Isopropyltoluene	11.48	119	21575	2.40	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	12899	2.58	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	13338	2.56	ug/l	88
89) n-Butylbenzene	11.90	91	19495	2.35	ug/l	97
90) Hexachloroethane	12.15	117	3544	2.21	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	12782	2.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2139	2.67	ug/l	83

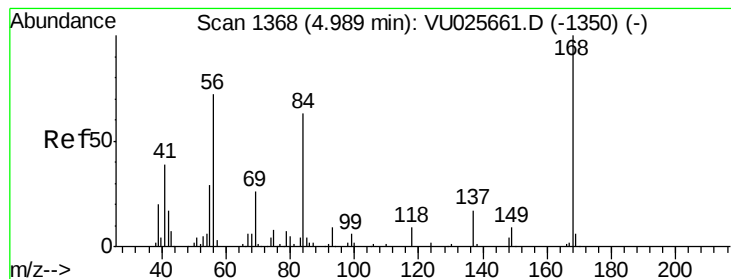
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	8437	2.55	ug/l	99
94) Hexachlorobutadiene	13.70	225	4261	2.44	ug/l	95
95) Naphthalene	13.75	128	25983	3.64	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	8257	2.50	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

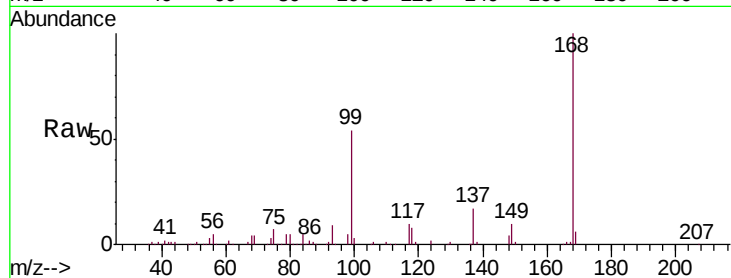
LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 168736

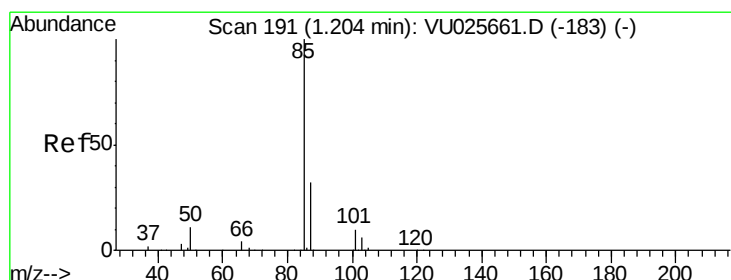
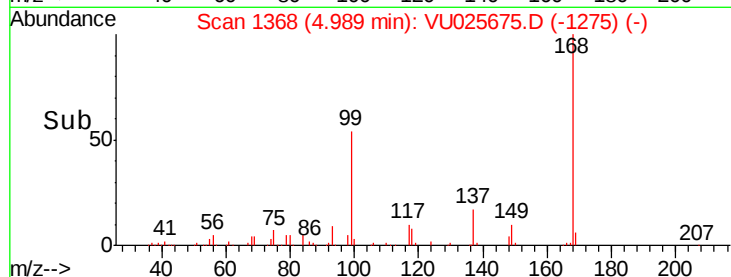
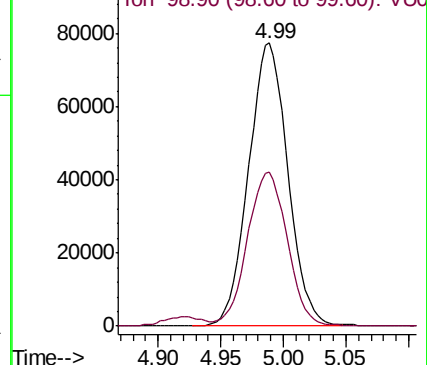
Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



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



#2

Dichlorodifluoromethane

Concen: 1.97 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025675.D

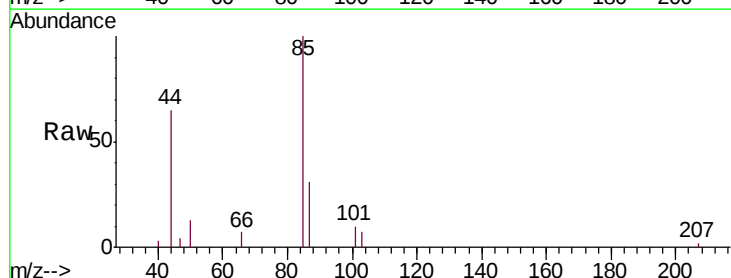
Acq: 27 Jul 2018 17:38

Tgt Ion: 85 Resp: 5021

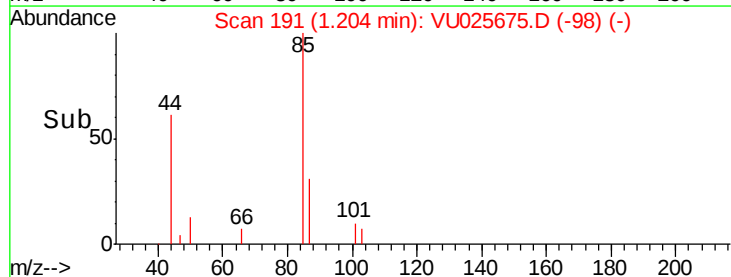
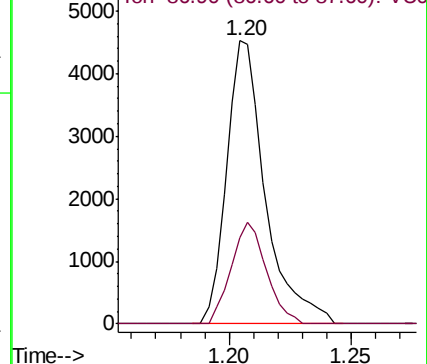
Ion Ratio Lower Upper

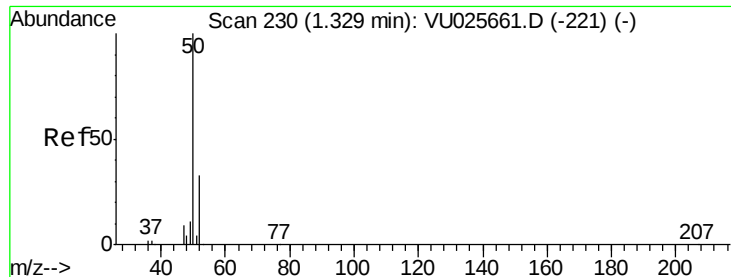
85 100

87 30.7 16.5 49.5



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





#3

Chloromethane

Concen: 2.38 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

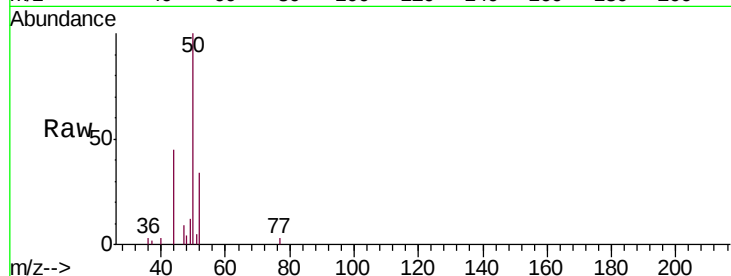
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 5801

Ion Ratio Lower Upper

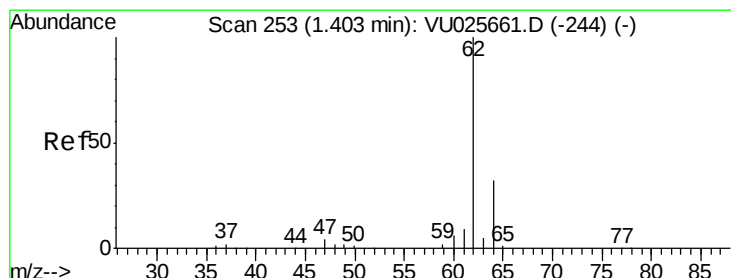
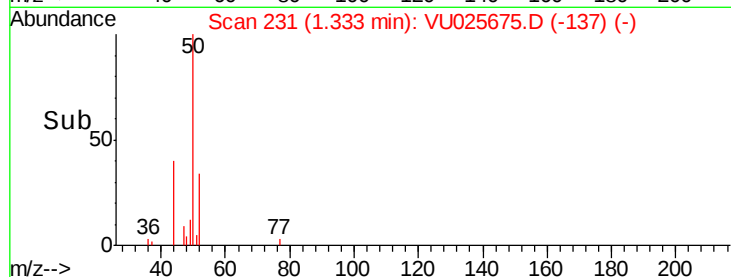
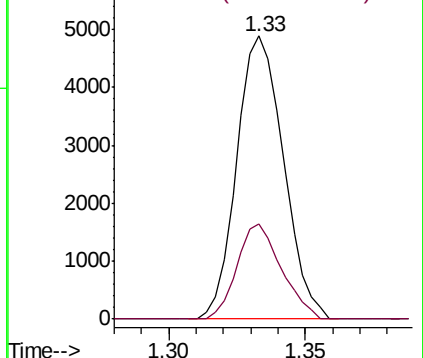
50 100

52 33.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 2.40 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025675.D

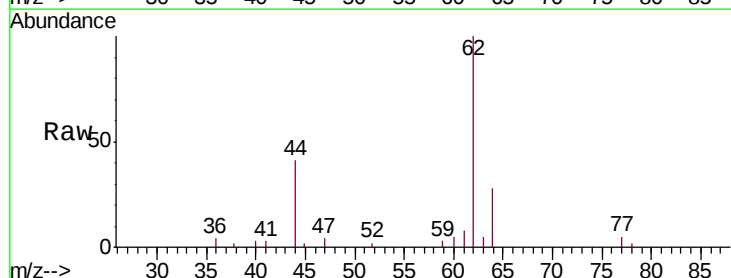
Acq: 27 Jul 2018 17:38

Tgt Ion: 62 Resp: 5494

Ion Ratio Lower Upper

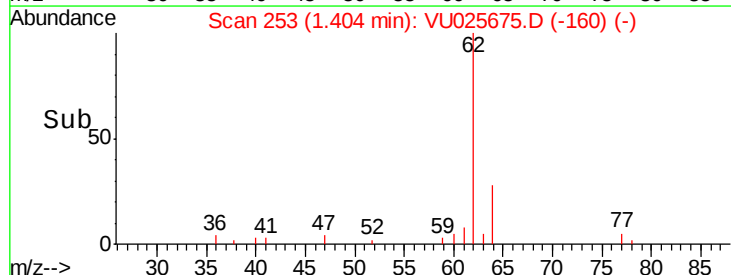
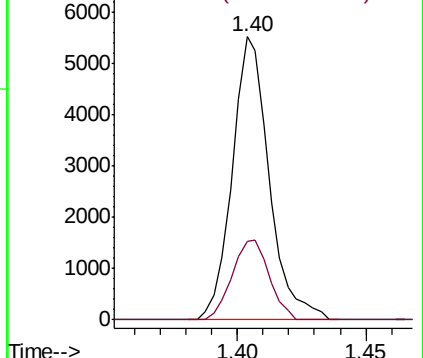
62 100

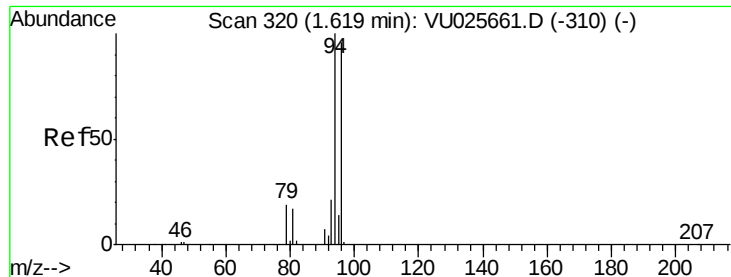
64 27.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 2.47 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

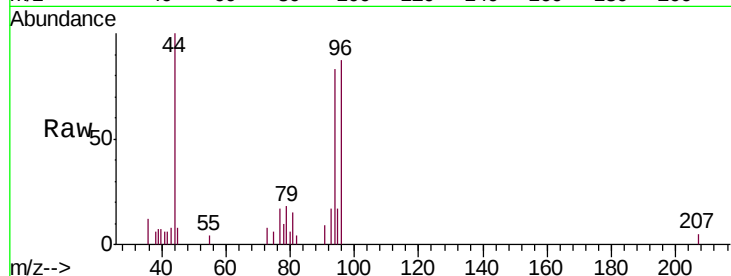
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 2763

Ion Ratio Lower Upper

94 100

96 105.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

2500

2000

1500

1000

500

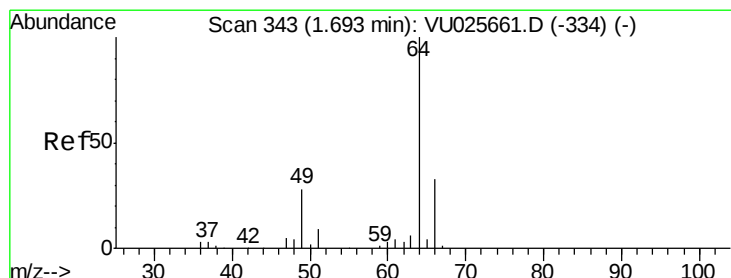
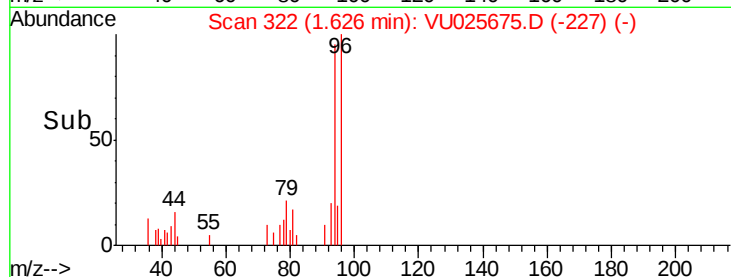
0

1.60

1.63

1.65

Time-->



#6

Chloroethane

Concen: 2.27 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025675.D

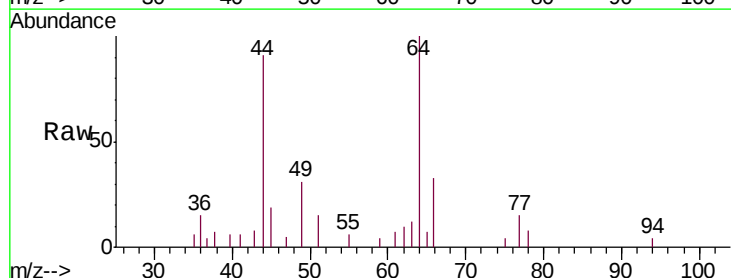
Acq: 27 Jul 2018 17:38

Tgt Ion: 64 Resp: 3045

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

2500

2000

1500

1000

500

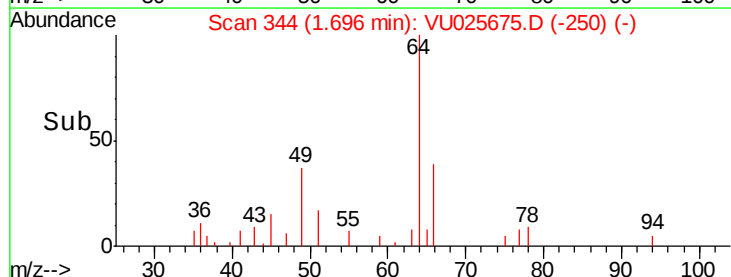
0

1.65

1.70

1.75

Time-->





#7

Trichlorofluoromethane

Concen: 2.55 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

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MSVOA_U

ClientSampleId :

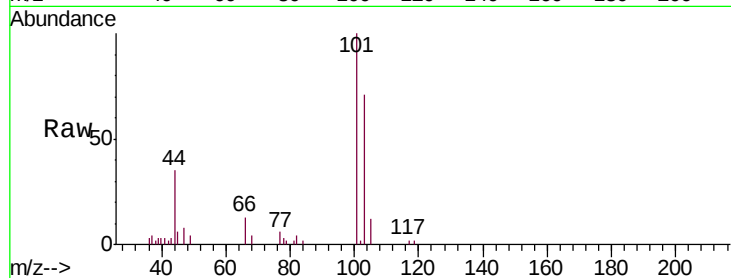
LOD-MDL-WATER-01-QT3-2018

Tot Ion:101 Resp: 8443

Ion Ratio Lower Upper

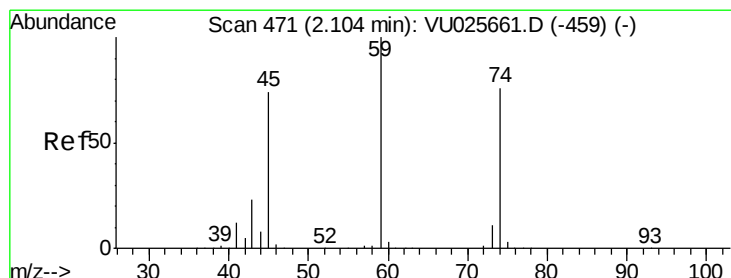
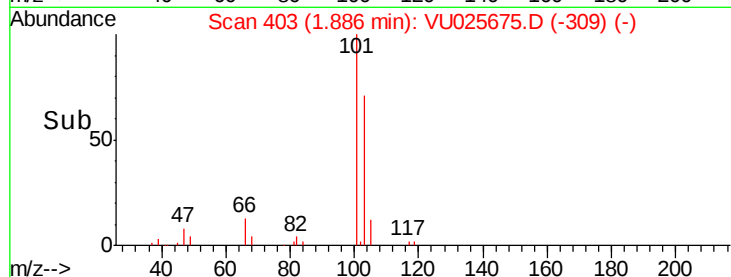
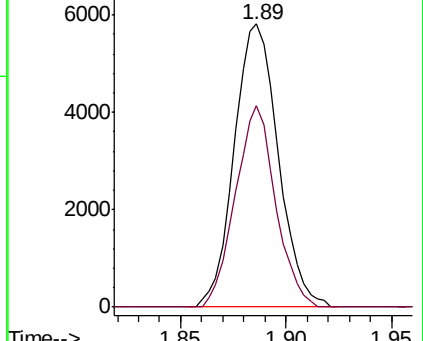
101 100

103 71.3 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.65 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025675.D

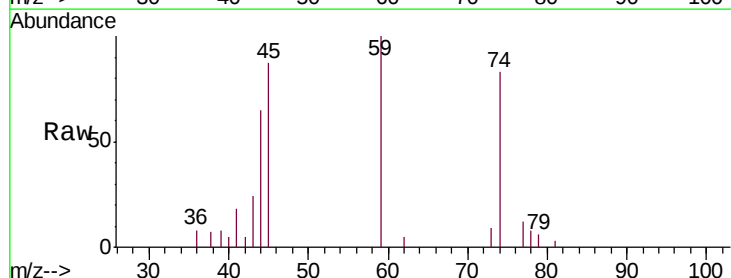
Acq: 27 Jul 2018 17:38

Tgt Ion: 74 Resp: 3177

Ion Ratio Lower Upper

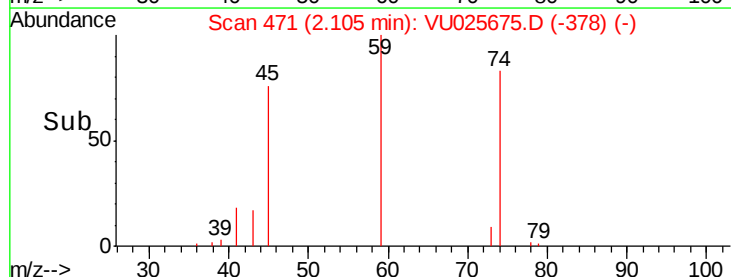
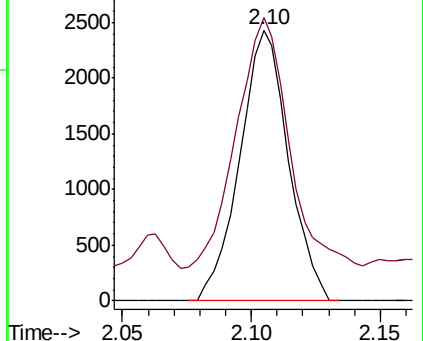
74 100

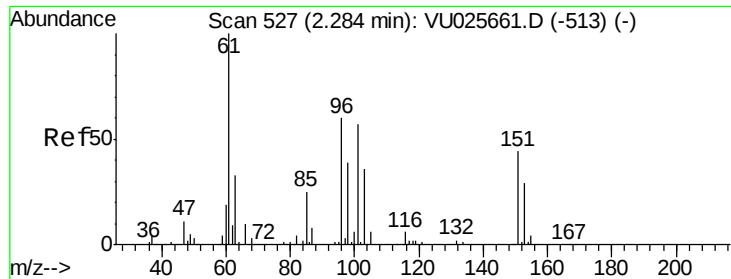
45 99.3 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.71 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

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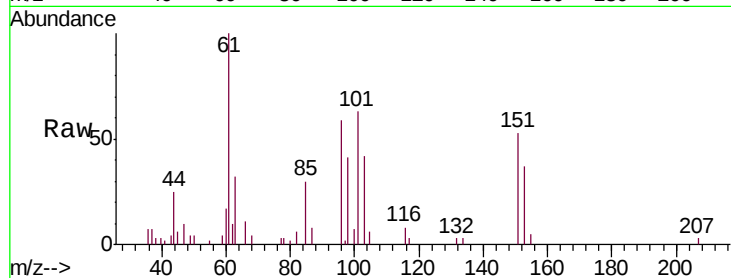
Tot Ion:101 Resp: 5208

Ion Ratio Lower Upper

101 100

85 42.6 36.0 54.0

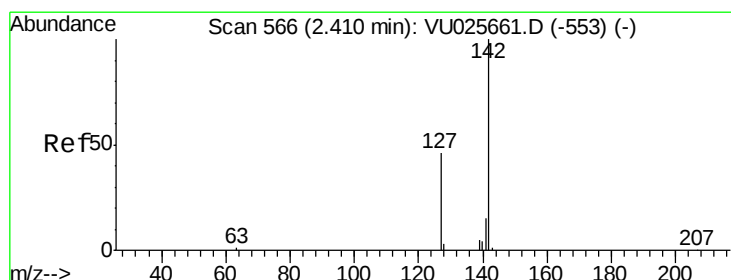
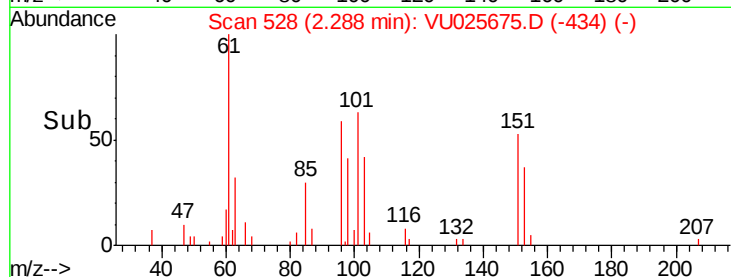
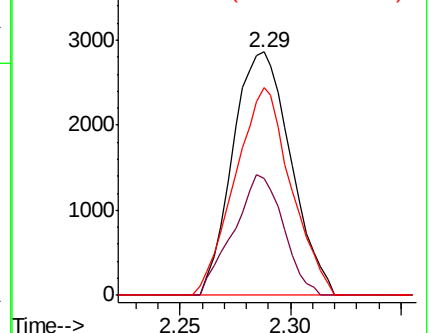
151 82.3 65.6 98.4



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: 9.57 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.01 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

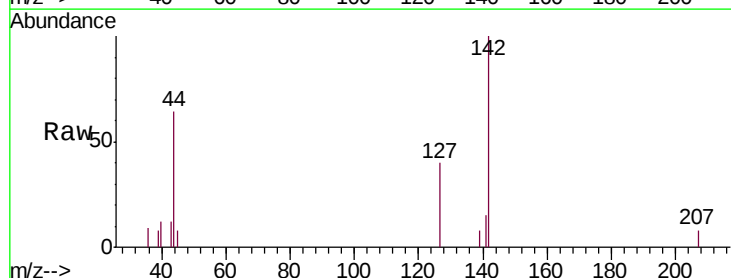
Tgt Ion:142 Resp: 2116

Ion Ratio Lower Upper

142 100

127 45.6 36.5 54.7

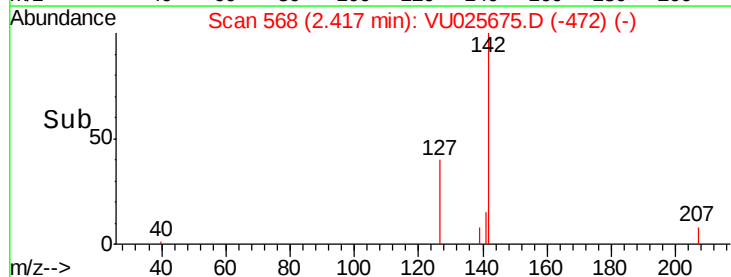
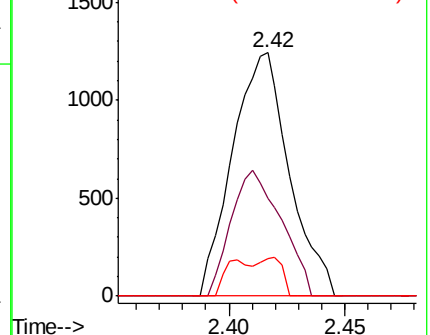
141 7.2 11.4 17.2#

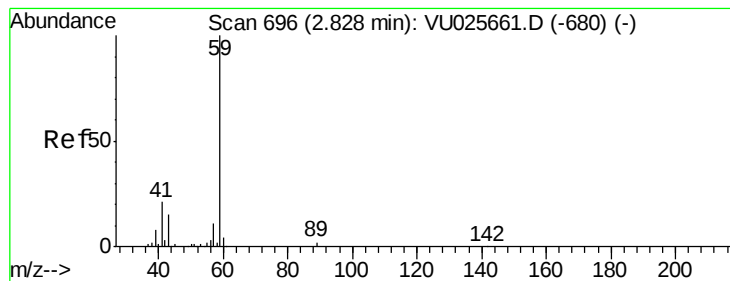


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



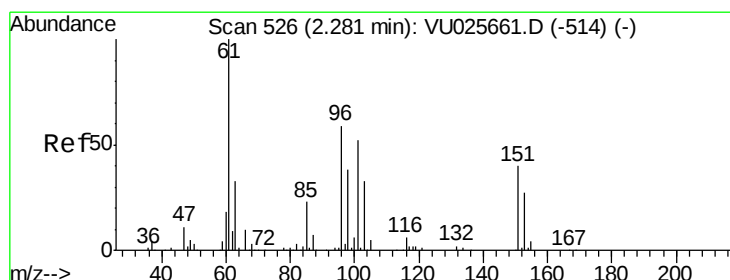
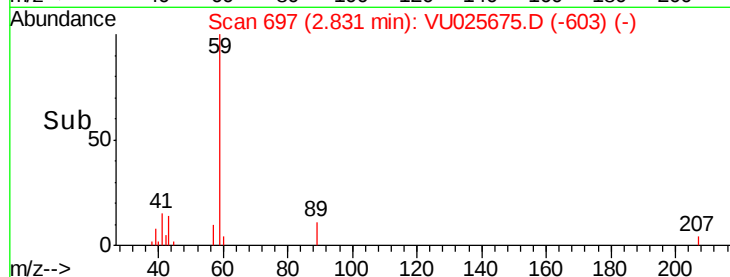
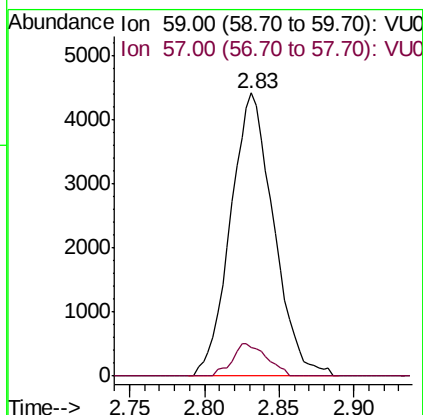
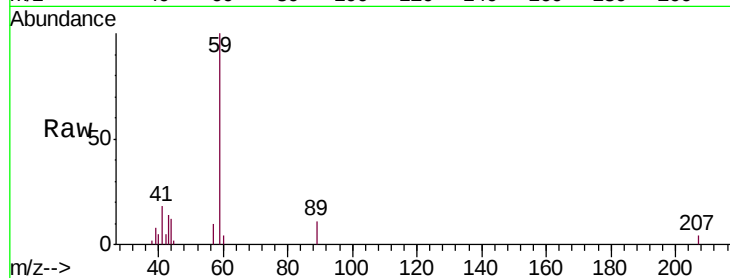


#11

Tert butyl alcohol
 Concen: 15.34 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

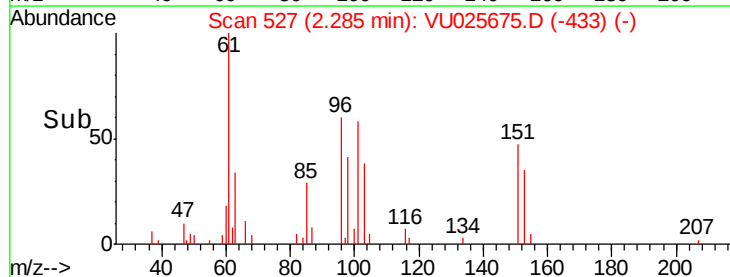
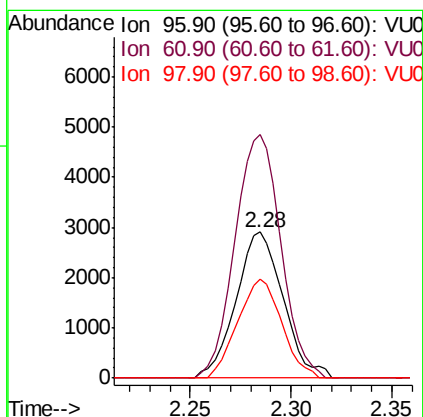
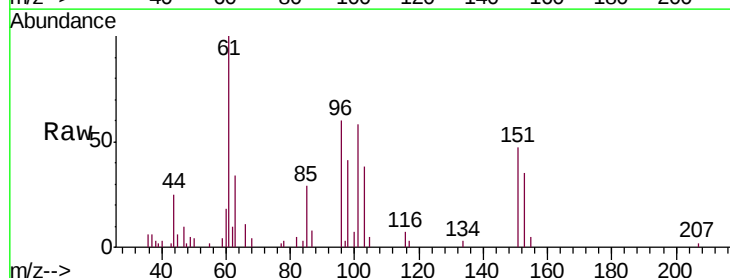
Tot Ion: 59 Resp: 8828
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.2 12.2

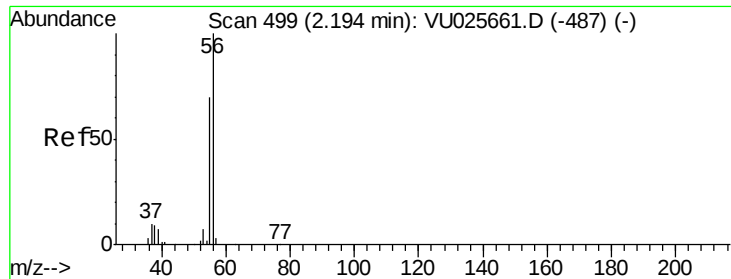


#12

1,1-Dichloroethene
 Concen: 2.63 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion: 96 Resp: 4758
 Ion Ratio Lower Upper
 96 100
 61 166.5 140.2 210.4
 98 67.6 49.3 73.9





#13

Acrolein

Concen: 17.15 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

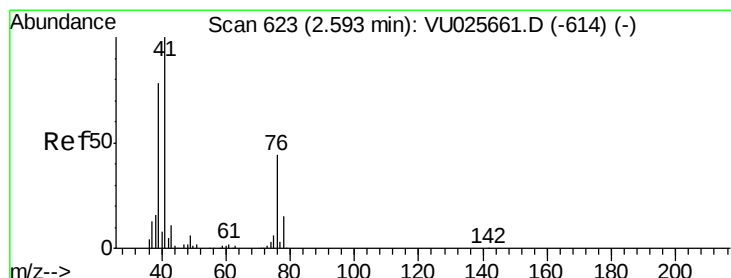
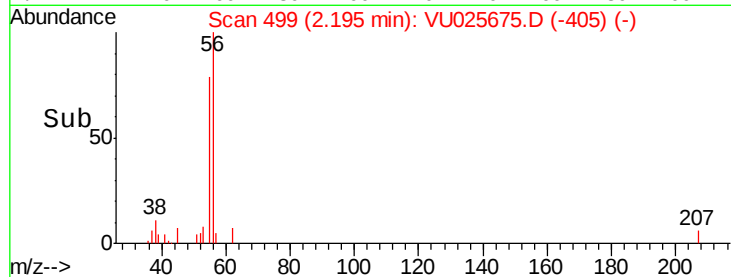
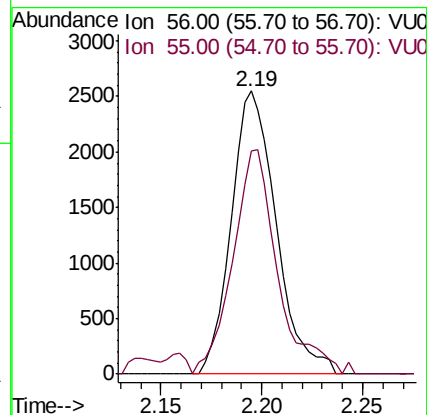
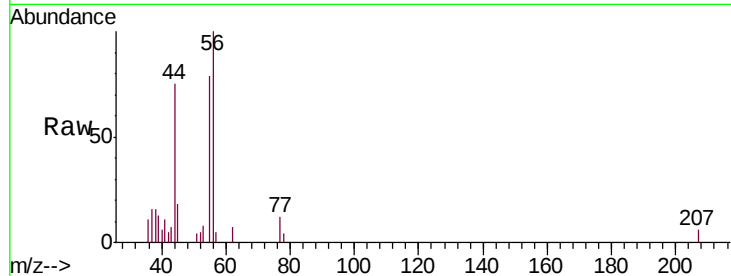
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 3970

Ion Ratio Lower Upper

56 100

55 79.2 57.2 85.8



#14

Allyl chloride

Concen: 2.42 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

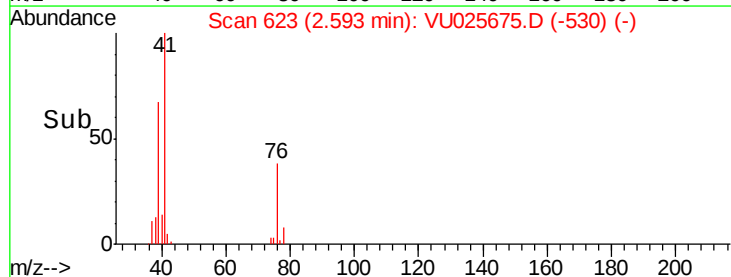
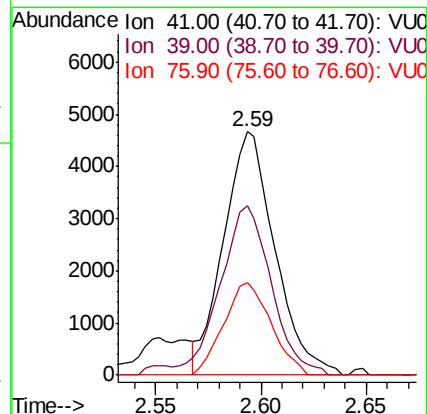
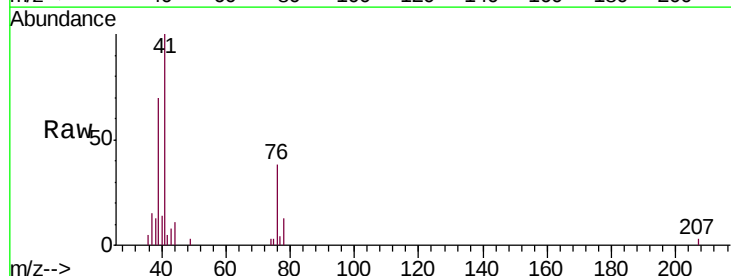
Tgt Ion: 41 Resp: 7881

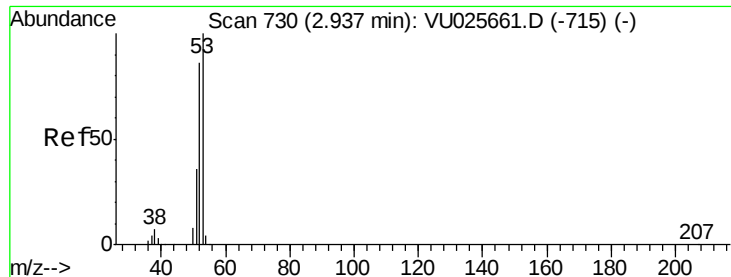
Ion Ratio Lower Upper

41 100

39 69.2 60.6 91.0

76 35.1 30.5 45.7





#15

Acrylonitrile

Concen: 13.81 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

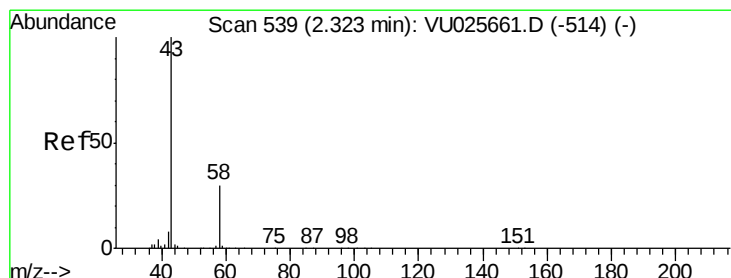
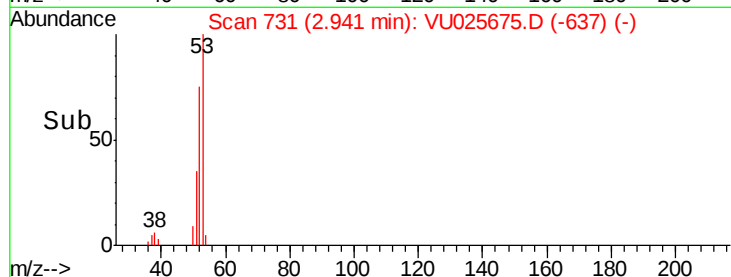
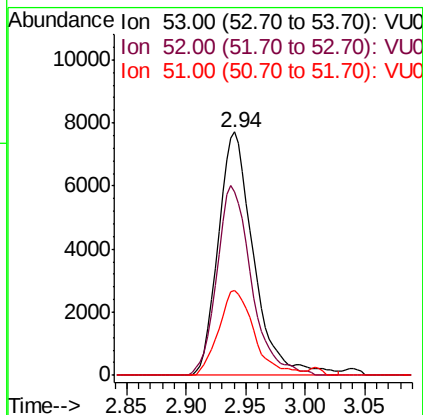
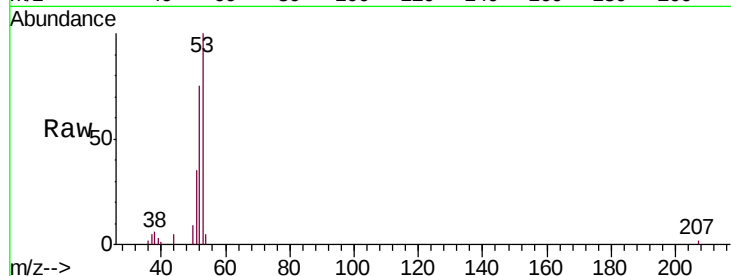
Tot Ion: 53 Resp: 15873

Ion Ratio Lower Upper

53 100

52 75.9 66.6 99.8

51 35.3 29.4 44.2



#16

Acetone

Concen: 12.50 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025675.D

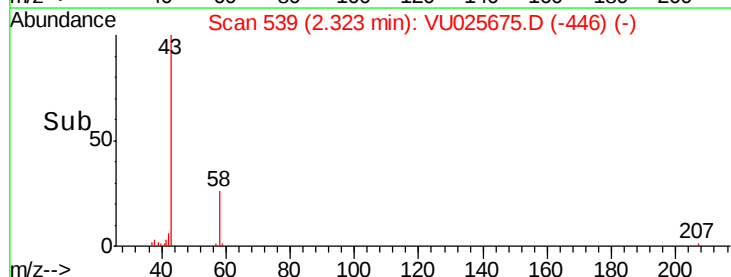
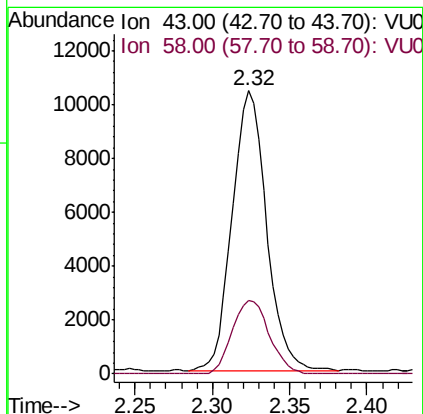
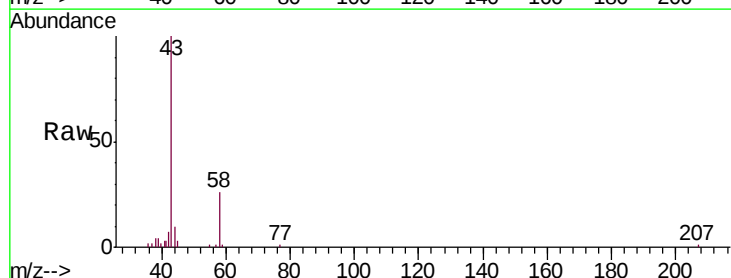
Acq: 27 Jul 2018 17:38

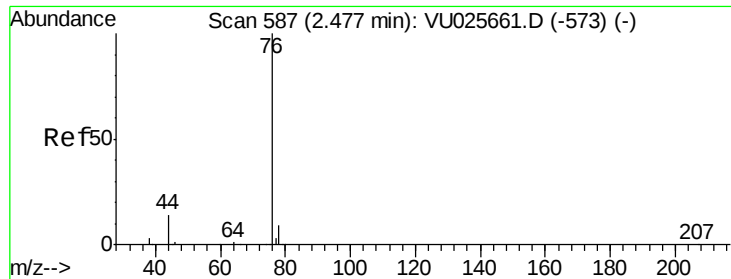
Tgt Ion: 43 Resp: 16017

Ion Ratio Lower Upper

43 100

58 26.2 23.1 34.7

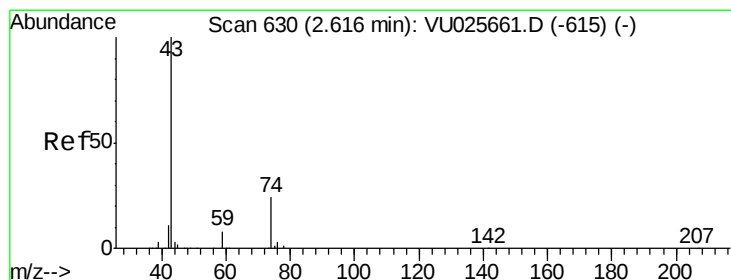
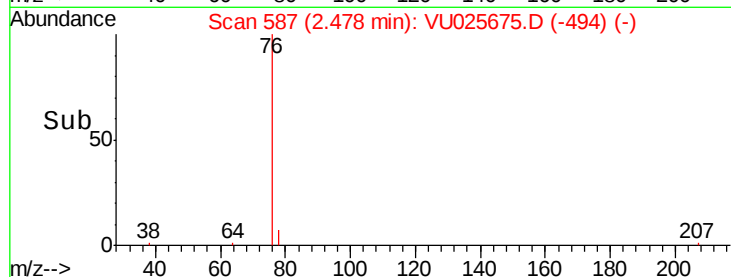
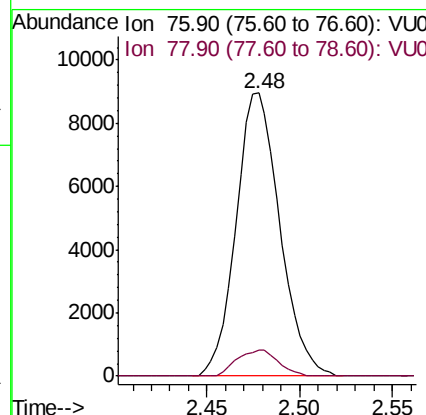
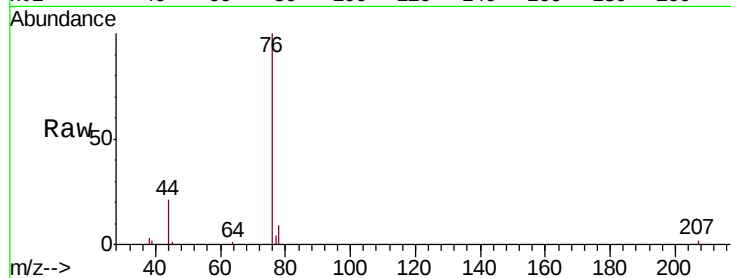




#17
Carbon Disulfide
Concen: 2.50 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

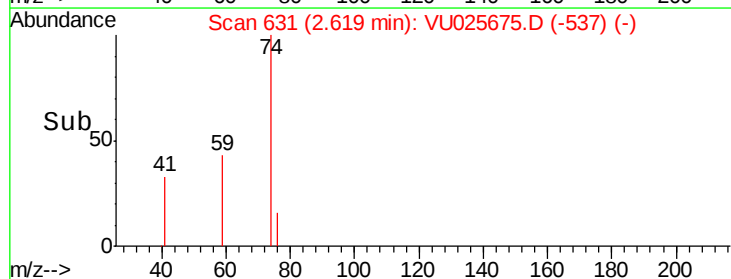
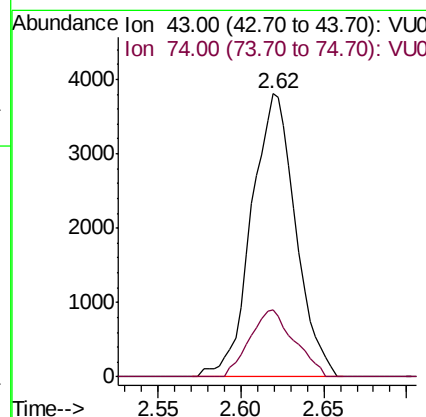
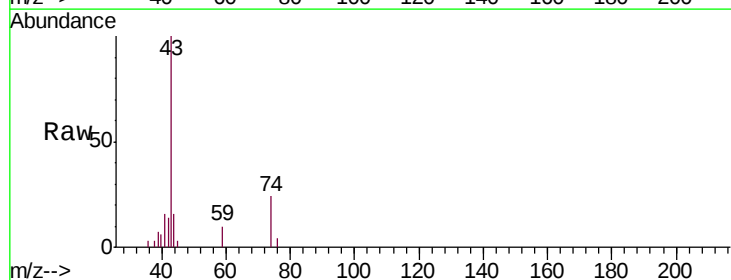
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

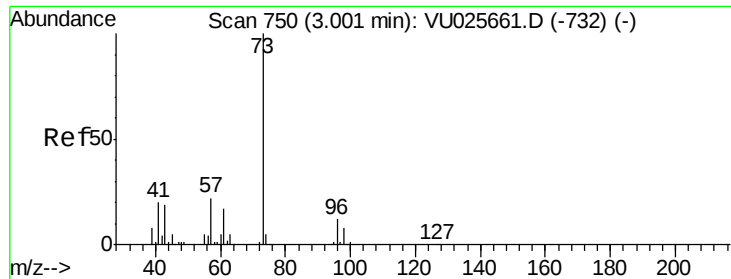
Tot Ion: 76 Resp: 14642
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 2.29 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 43 Resp: 7071
Ion Ratio Lower Upper
43 100
74 23.8 18.5 27.7



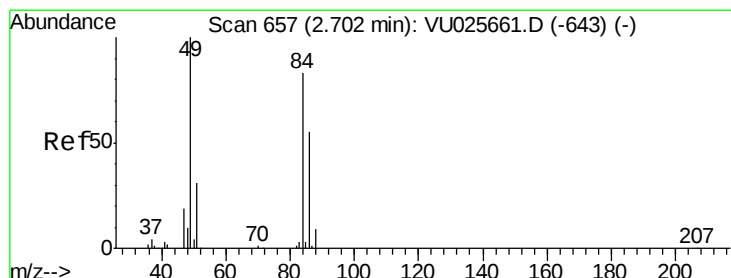
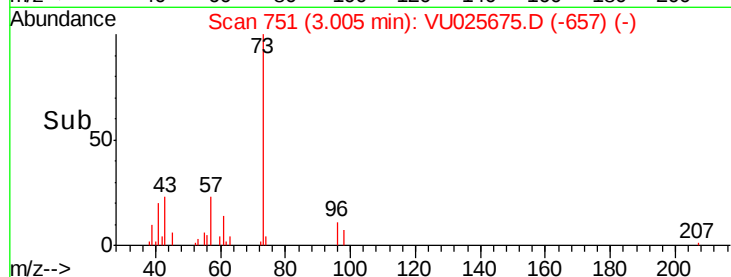
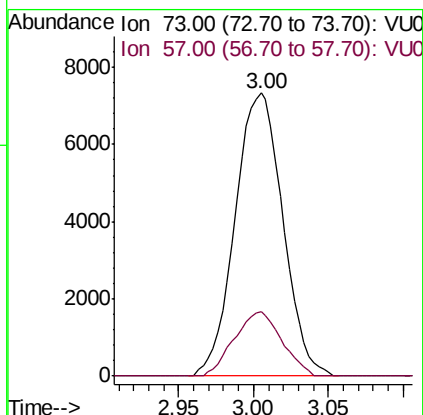
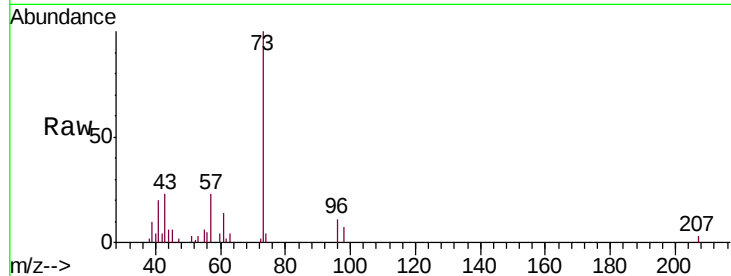


#19

Methyl tert-butyl Ether
 Concen: 2.48 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

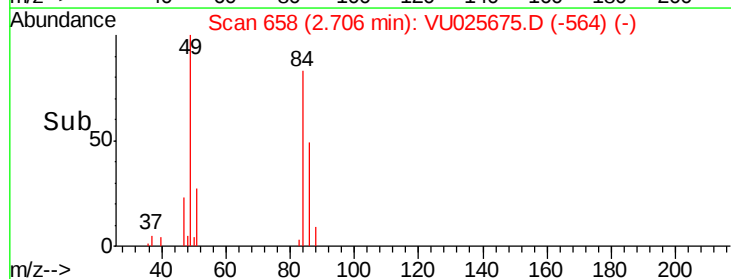
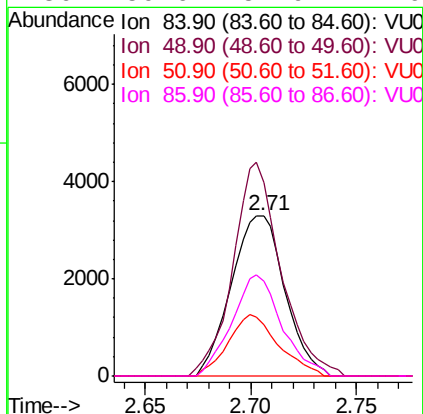
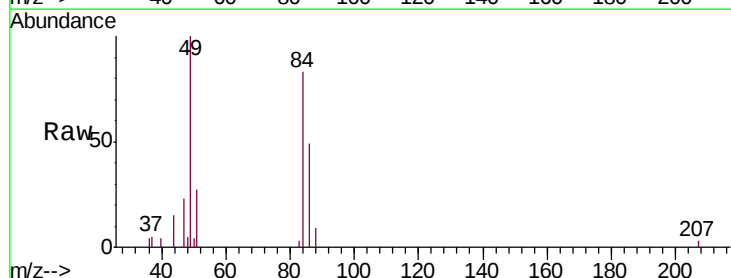
Tot Ion: 73 Resp: 16261
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.4 26.2

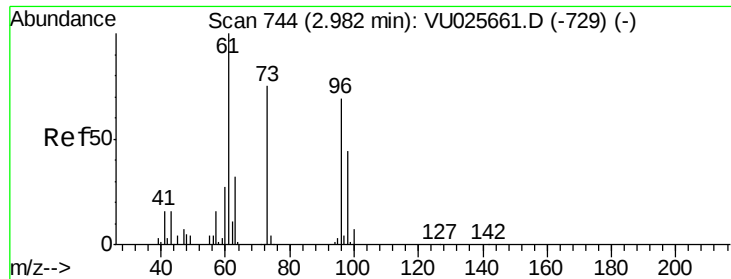


#20

Methylene Chloride
 Concen: 2.56 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion: 84 Resp: 5816
 Ion Ratio Lower Upper
 84 100
 49 120.8 101.8 152.6
 51 32.2 30.8 46.2
 86 59.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 2.46 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.01 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

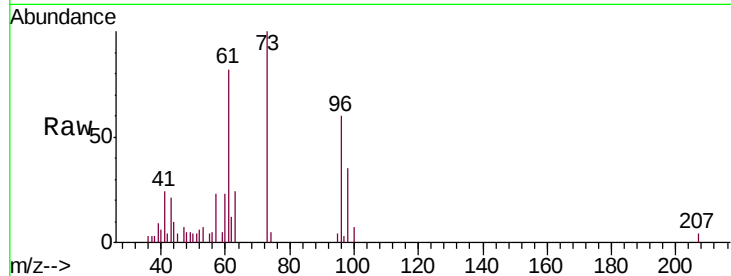
Tot Ion: 96 Resp: 5162

Ion Ratio Lower Upper

96 100

61 137.9 114.5 171.7

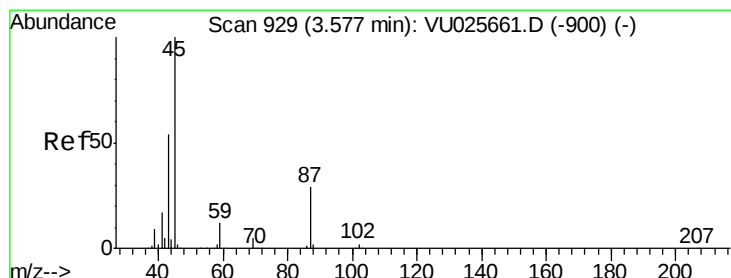
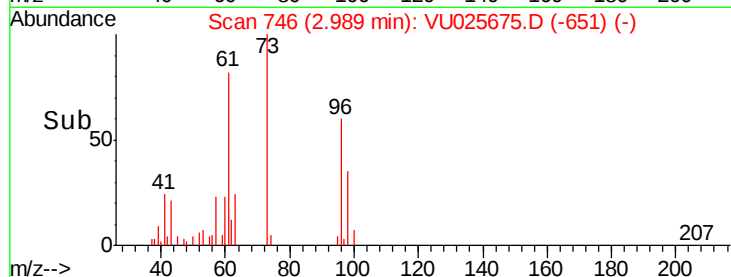
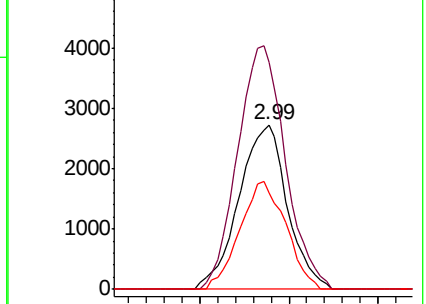
98 58.4 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025661.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU025661.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-729) (-)



#22

Diisopropyl ether

Concen: 2.55 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Tgt Ion: 45 Resp: 16378

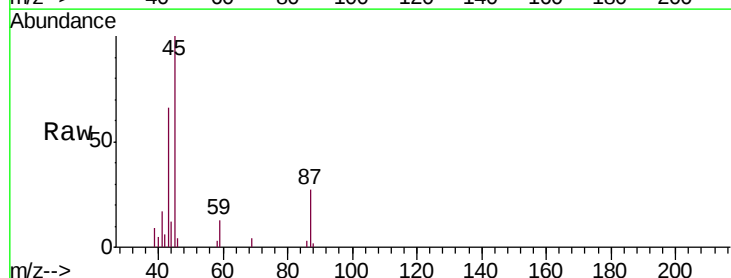
Ion Ratio Lower Upper

45 100

43 60.2 50.9 76.3

87 26.5 23.8 35.8

59 13.1 9.0 13.4

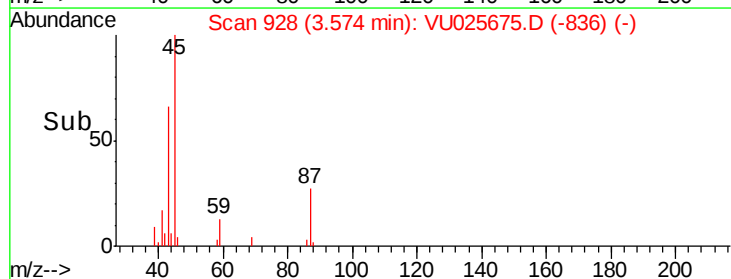
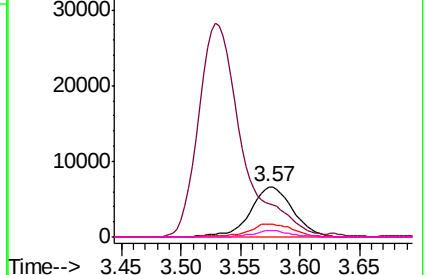


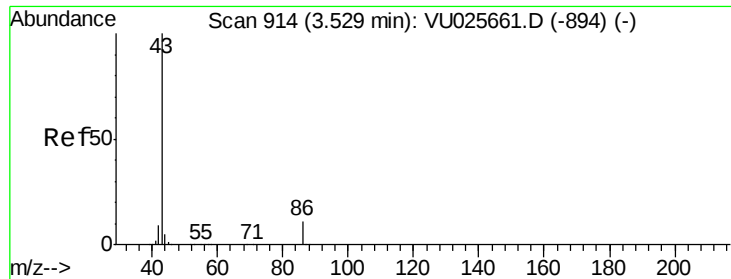
Abundance Ion 45.00 (44.70 to 45.70): VU025661.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025661.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025661.D (-900) (-)





#23

Vinyl Acetate

Concen: 12.82 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

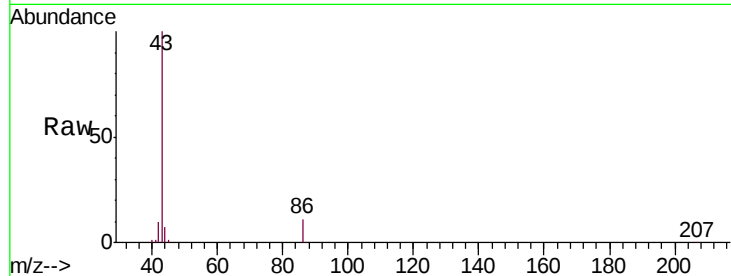
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 71699

Ion Ratio Lower Upper

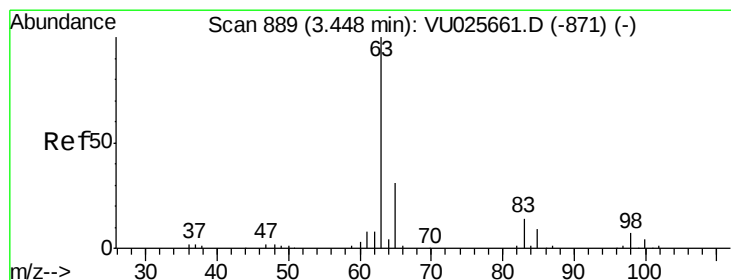
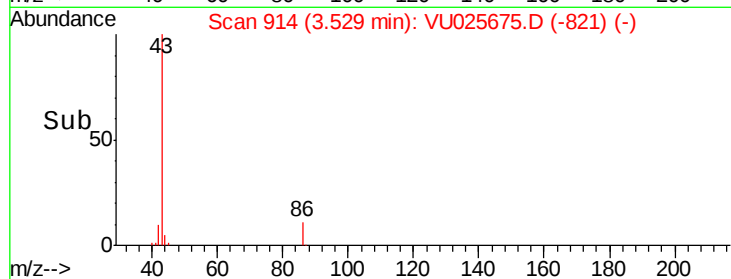
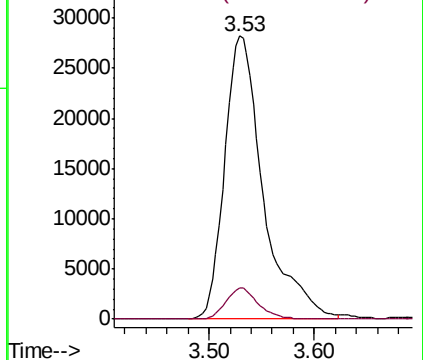
43 100

86 10.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 2.61 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

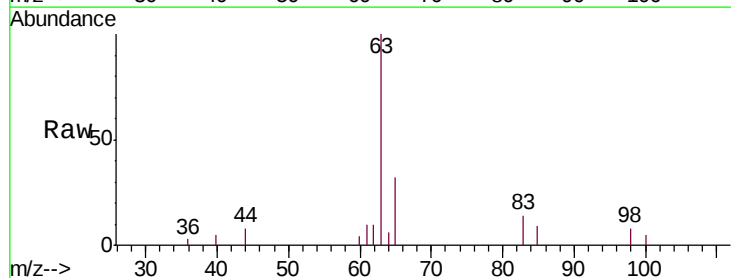
Tgt Ion: 63 Resp: 10054

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

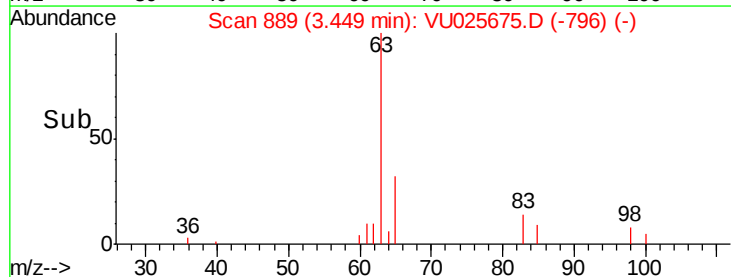
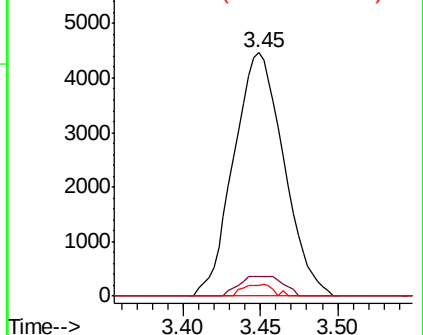
100 4.5 2.0 6.0

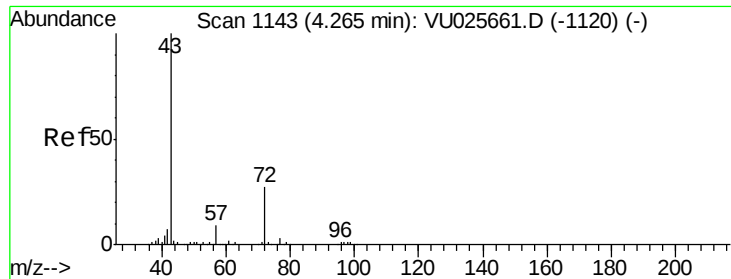


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 12.87 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

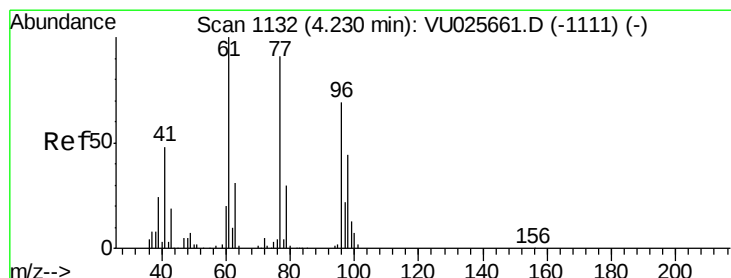
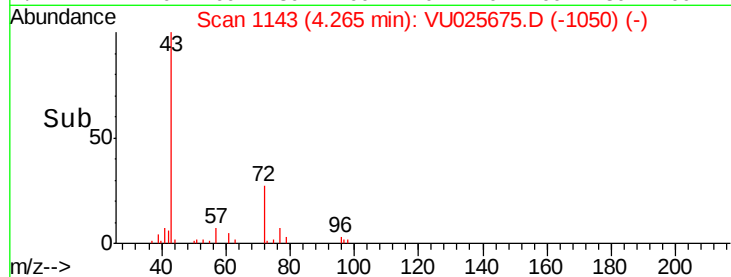
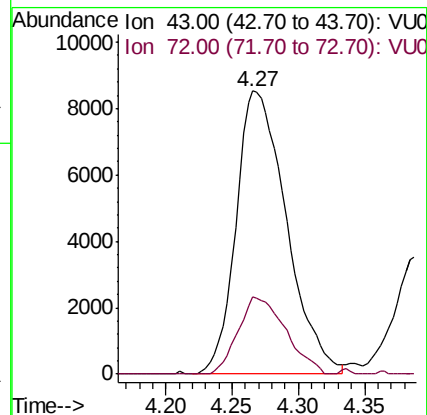
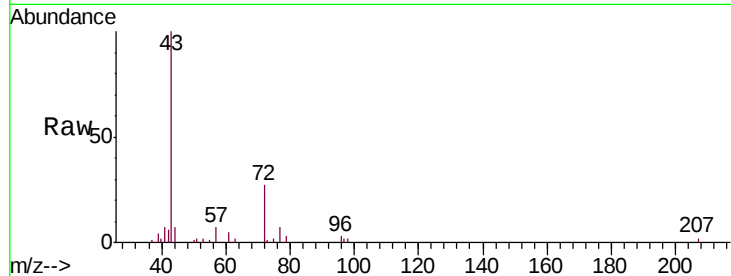
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 22461

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.4



#26

2,2-Dichloropropane

Concen: 2.48 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025675.D

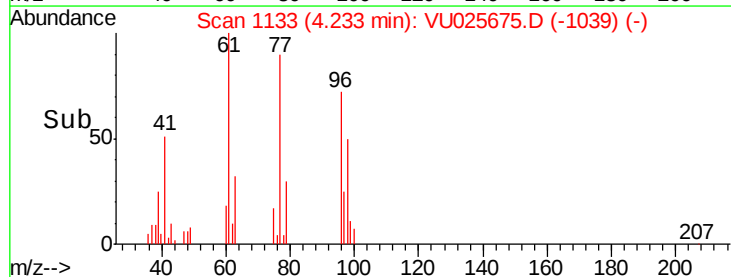
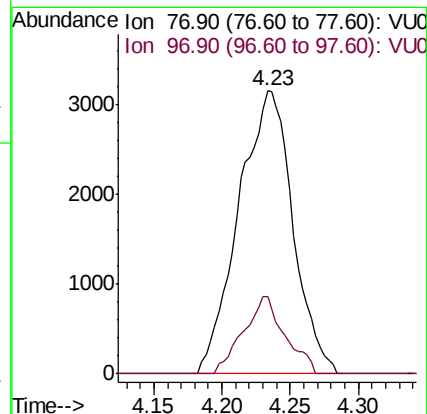
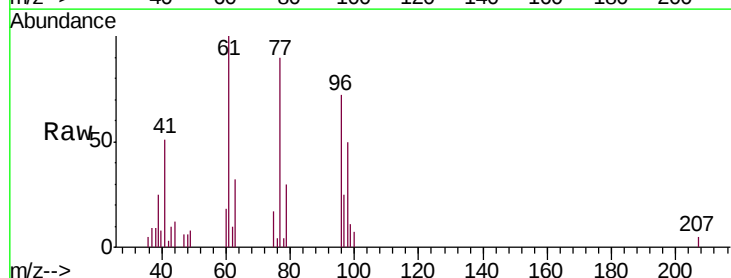
Acq: 27 Jul 2018 17:38

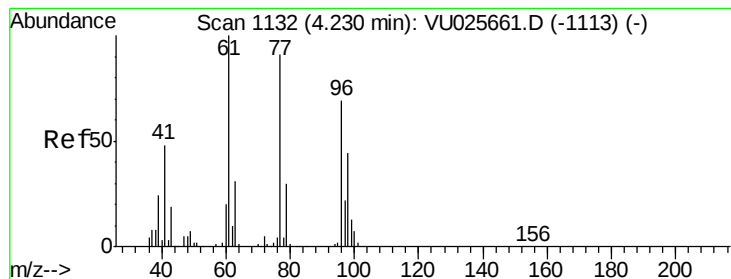
Tgt Ion: 77 Resp: 8677

Ion Ratio Lower Upper

77 100

97 21.0 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 2.46 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

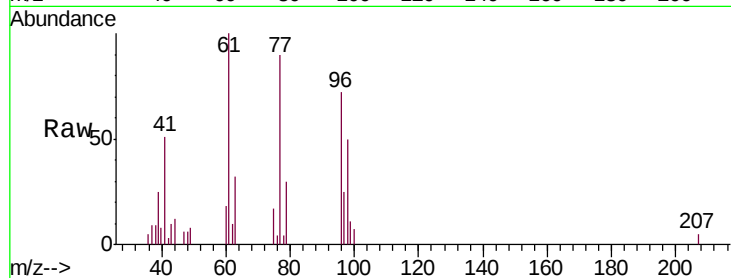
Tot Ion: 96 Resp: 5820

Ion Ratio Lower Upper

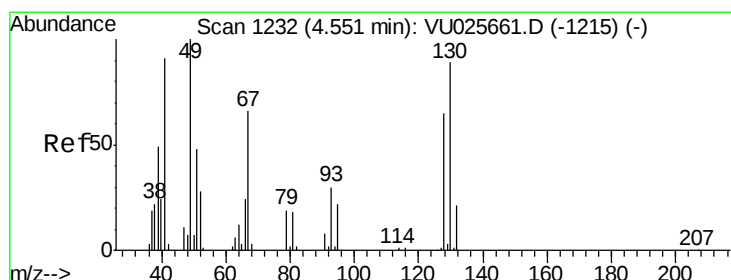
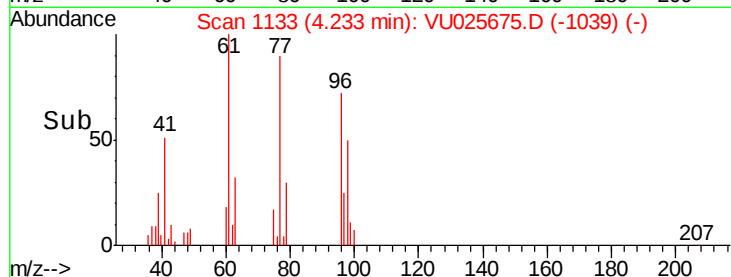
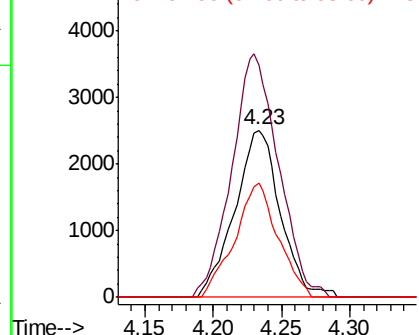
96 100

61 149.5 0.0 299.8

98 64.6 0.0 128.6



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



#28

Bromochloromethane

Concen: 2.56 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

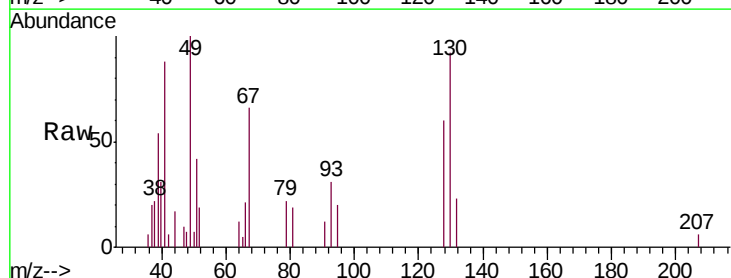
Tgt Ion: 49 Resp: 4414

Ion Ratio Lower Upper

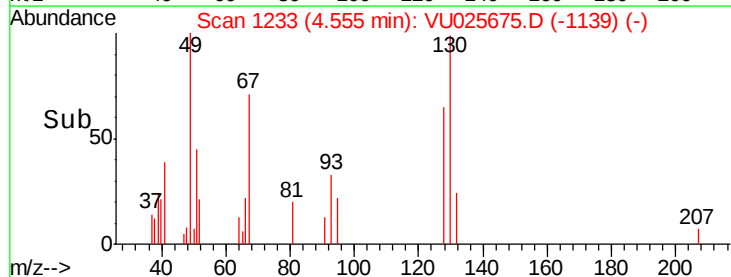
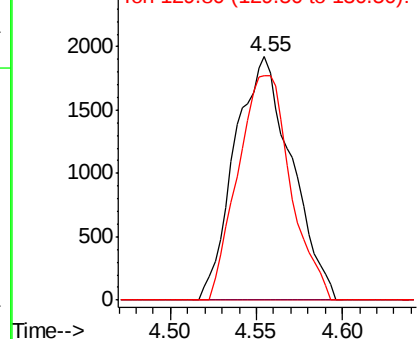
49 100

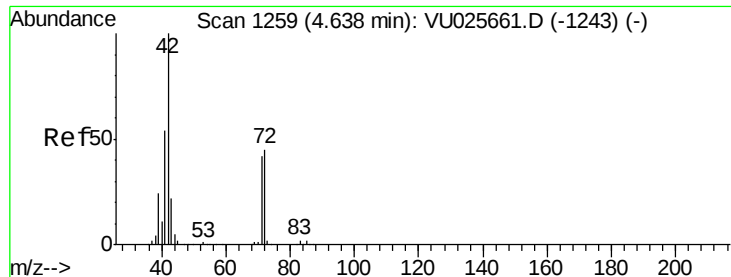
129 0.0 0.0 4.6

130 85.3 68.6 102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

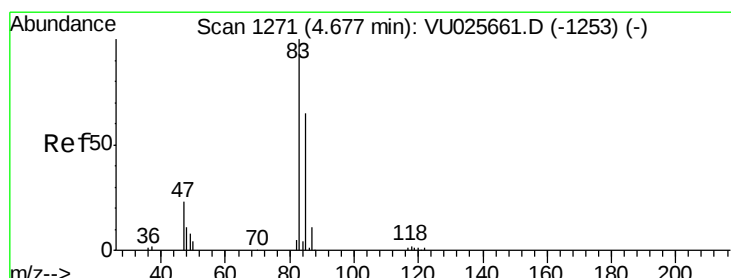
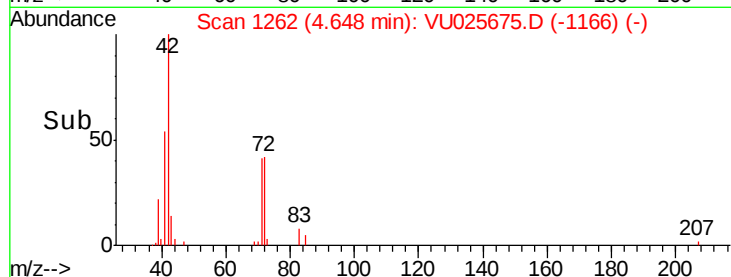
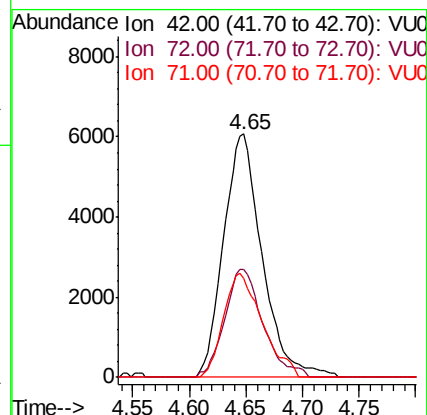
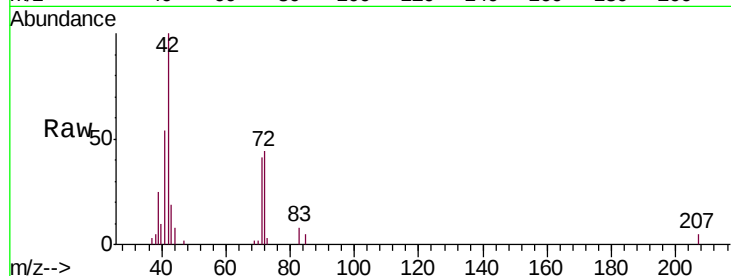




#29
Tetrahydrofuran
Concen: 13.76 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

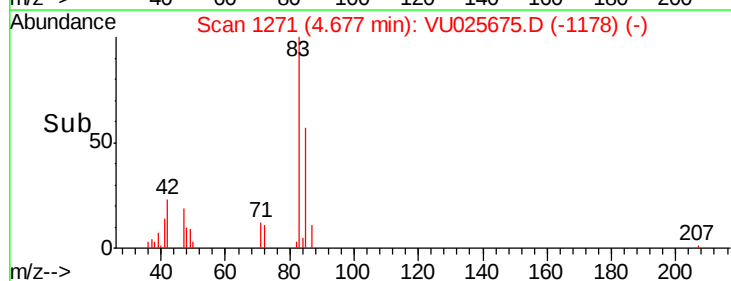
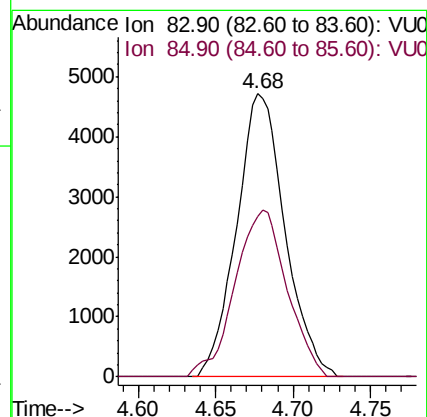
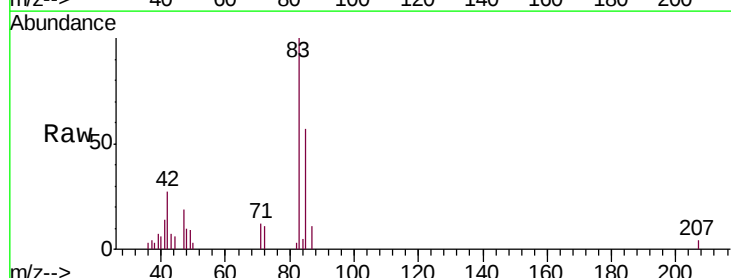
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

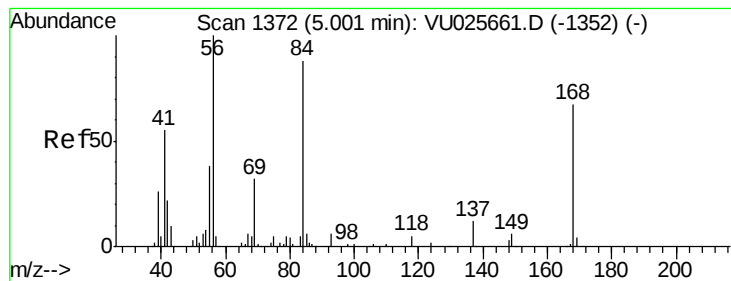
Tot Ion: 42 Resp: 14389
Ion Ratio Lower Upper
42 100
72 44.0 36.7 55.1
71 42.8 33.9 50.9



#30
Chloroform
Concen: 2.53 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 83 Resp: 10267
Ion Ratio Lower Upper
83 100
85 56.6 51.5 77.3





#31

Cyclohexane

Concen: 2.02 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. -0.01 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

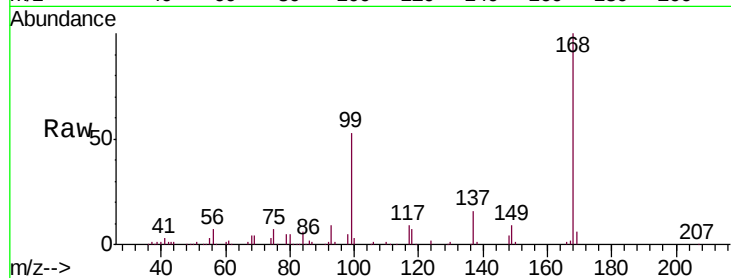
Tot Ion: 56 Resp: 11108

Ion Ratio Lower Upper

56 100

69 64.1 26.8 40.2#

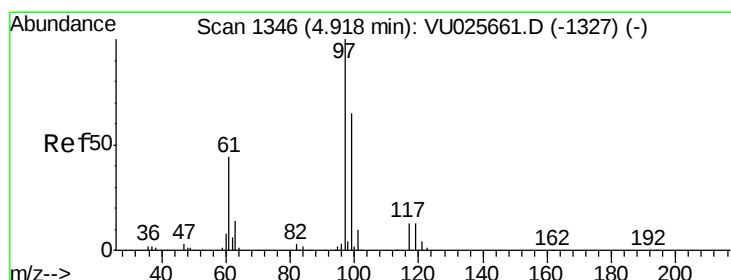
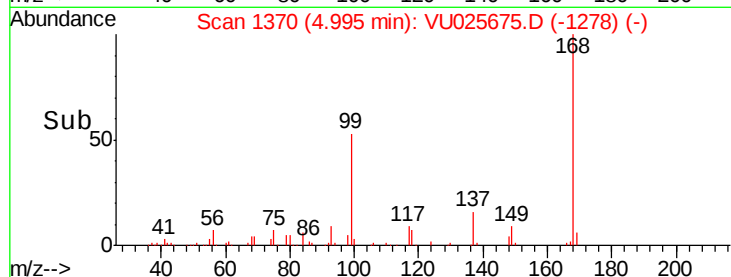
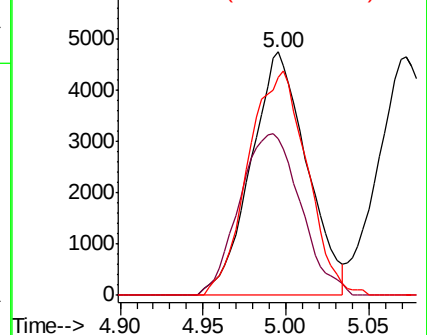
84 89.4 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 2.43 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

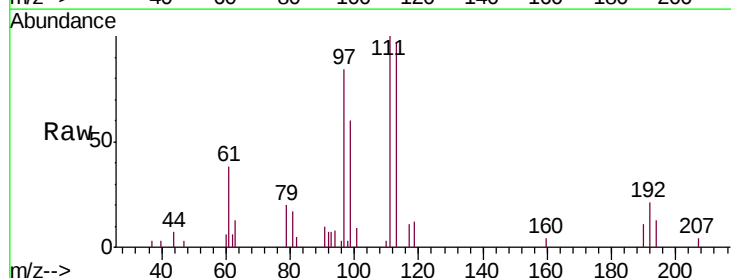
Tgt Ion: 97 Resp: 8907

Ion Ratio Lower Upper

97 100

99 65.4 50.8 76.2

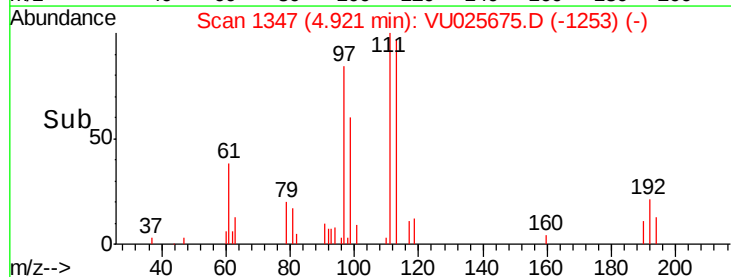
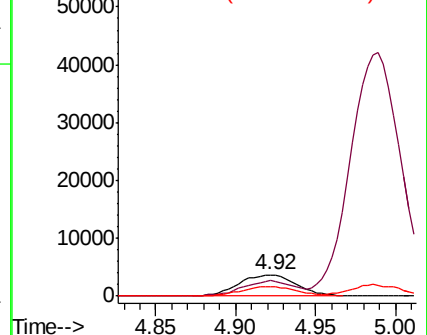
61 43.4 35.2 52.8

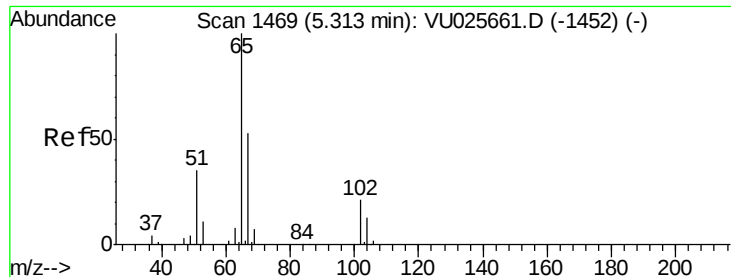


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

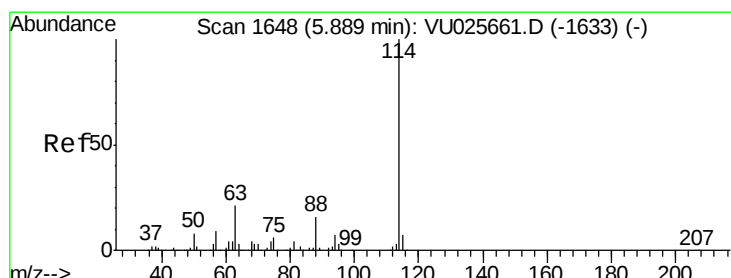
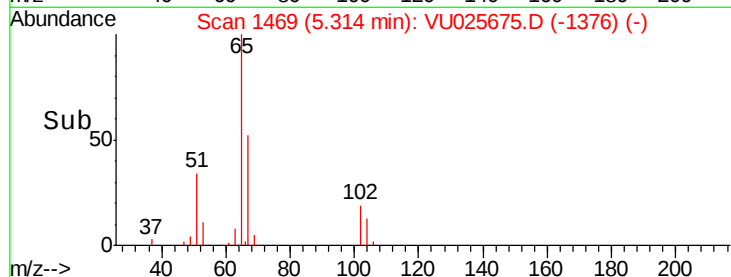
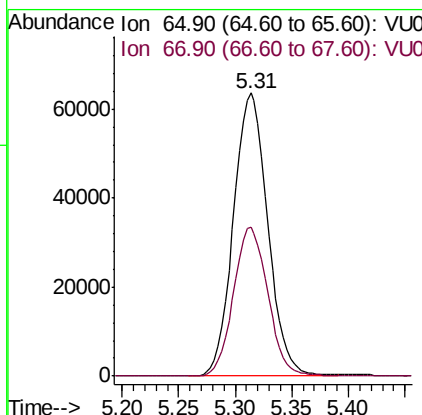
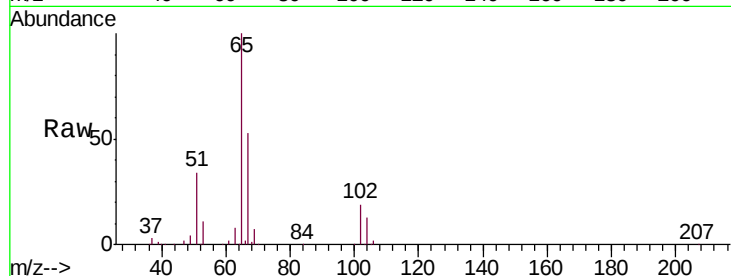




#33
 1,2-Dichloroethane-d4
 Concen: 51.10 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

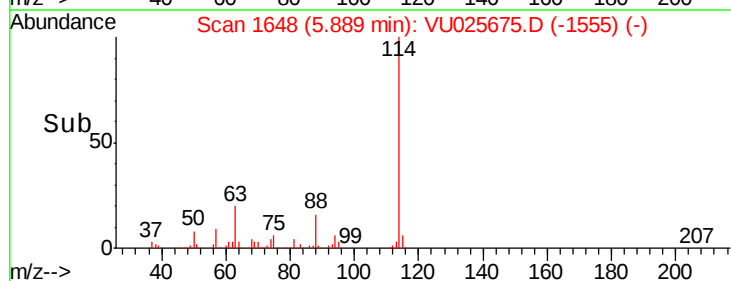
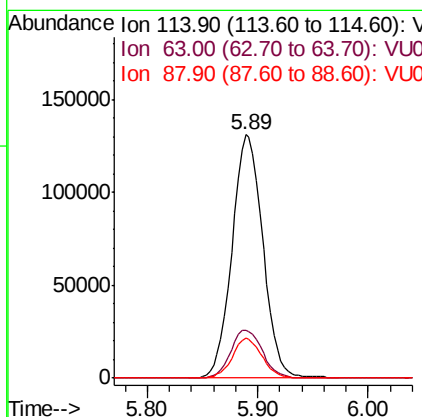
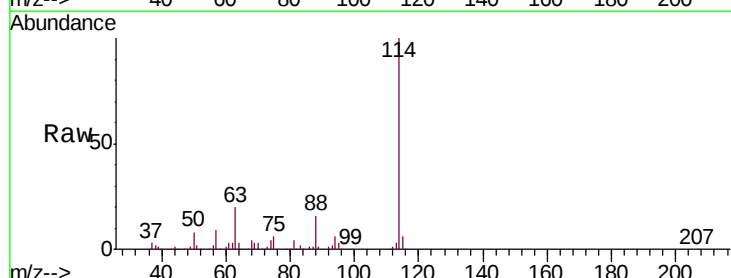
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

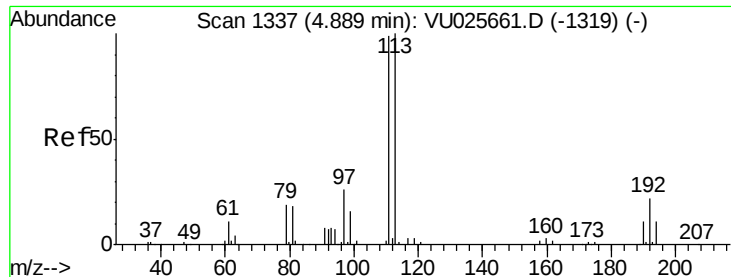
Tot Ion: 65 Resp: 134358
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion: 114 Resp: 253740
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 16.2 0.0 32.4

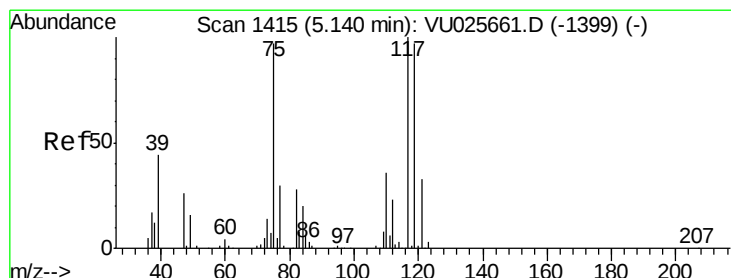
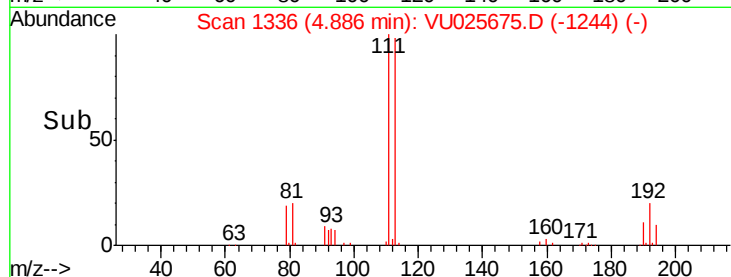
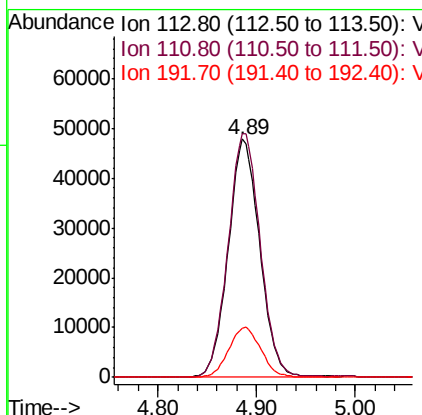
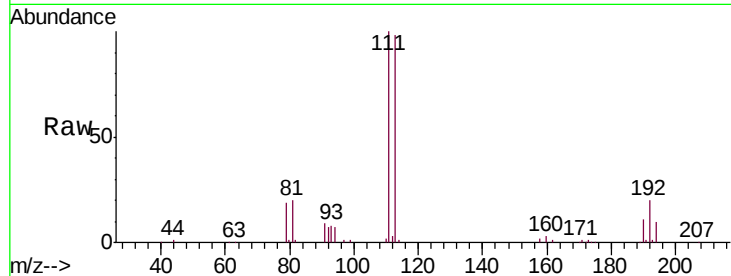




#35
Dibromofluoromethane
Concen: 48.49 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

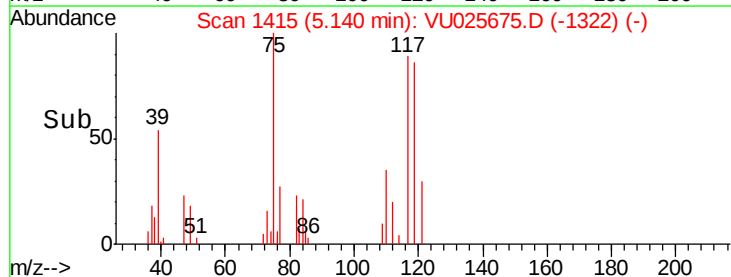
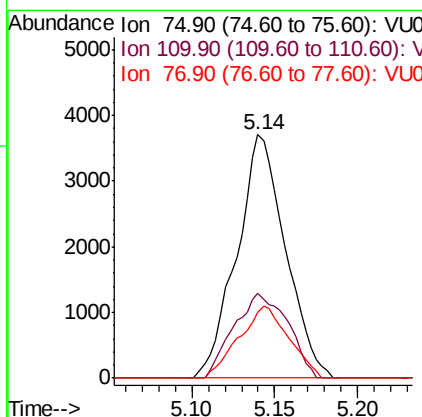
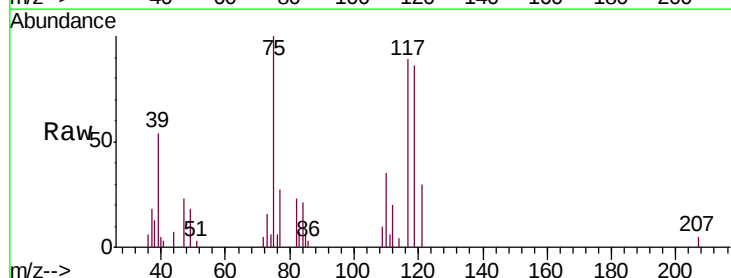
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

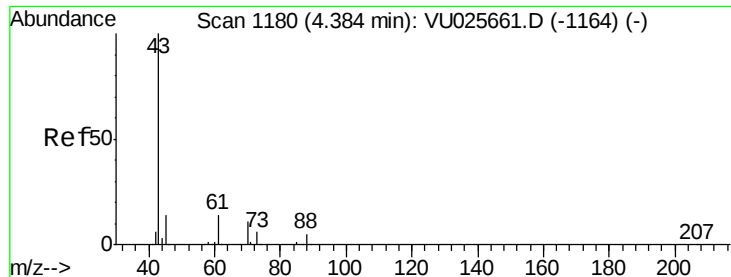
Tot Ion:113 Resp: 107009
Ion Ratio Lower Upper
113 100
111 104.1 81.7 122.5
192 21.3 17.1 25.7



#36
1,1-Dichloropropene
Concen: 2.54 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 75 Resp: 7546
Ion Ratio Lower Upper
75 100
110 38.4 17.6 52.9
77 30.3 24.4 36.6

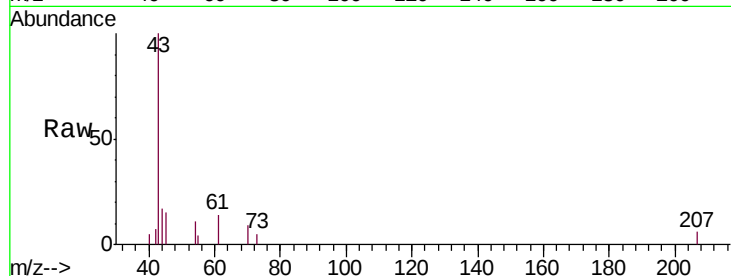




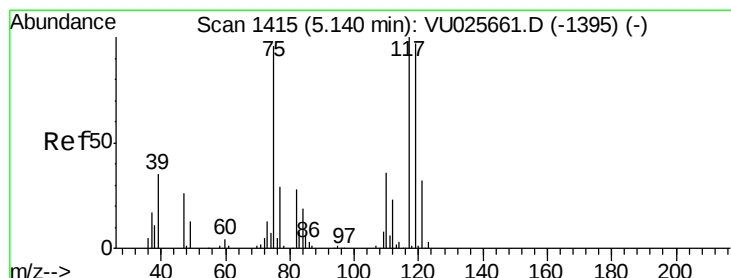
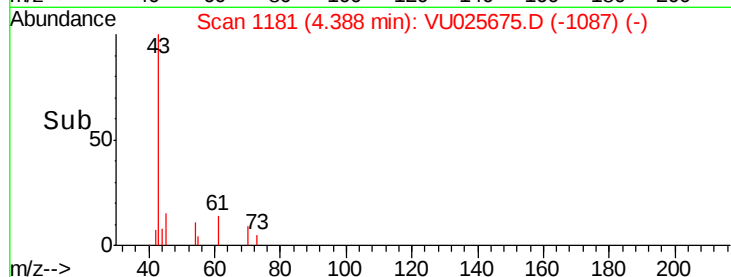
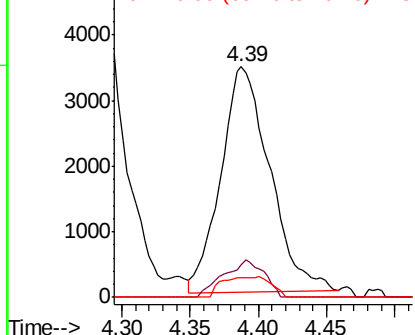
#37
Ethyl Acetate
Concen: 2.79 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 8584
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 5.4 8.4 12.6#

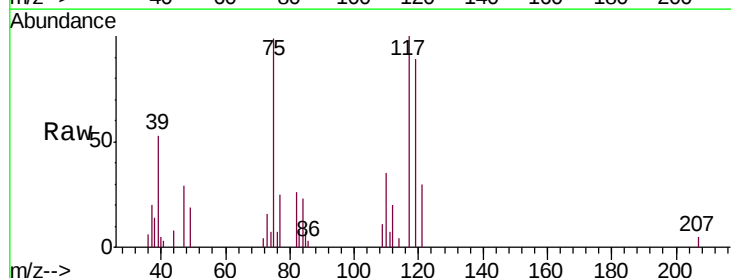


Abundance Ion 43.00 (42.70 to 43.70): VU0
5000 Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

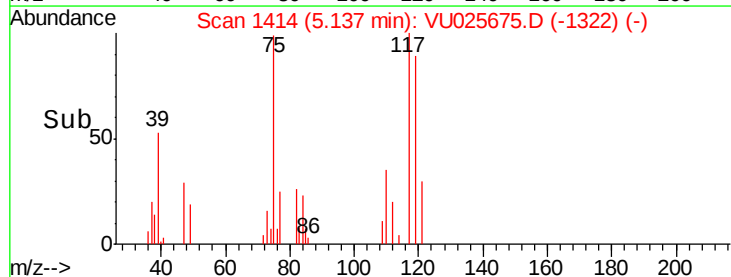
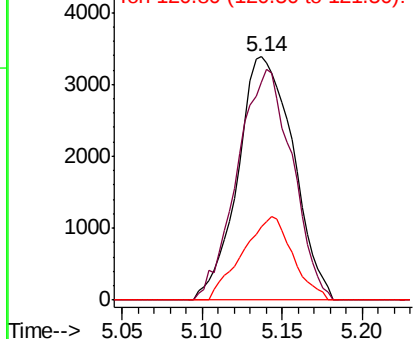


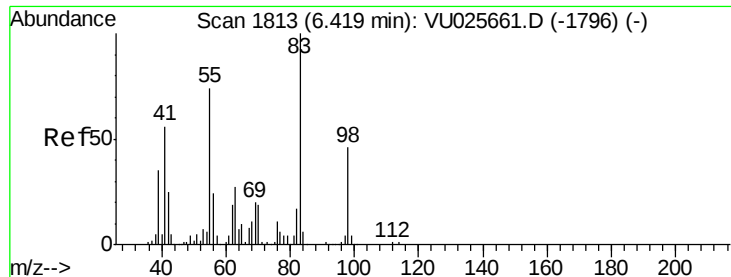
#38
Carbon Tetrachloride
Concen: 2.39 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 117 Resp: 8014
Ion Ratio Lower Upper
117 100
119 89.5 75.7 113.5
121 29.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

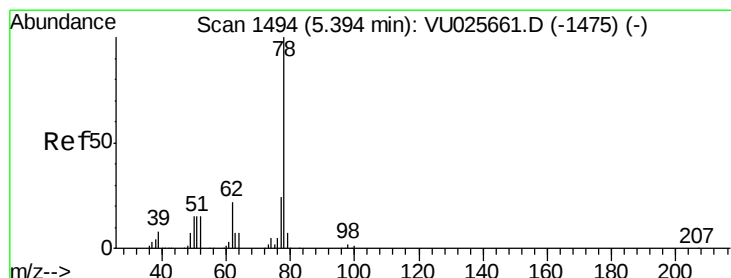
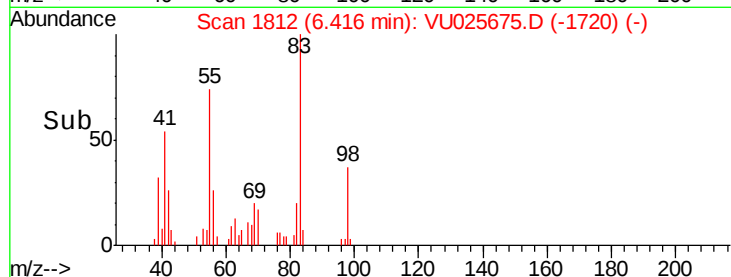
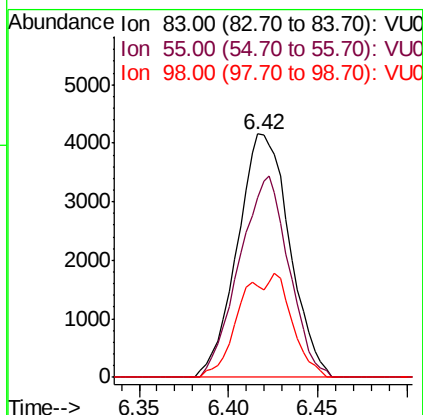
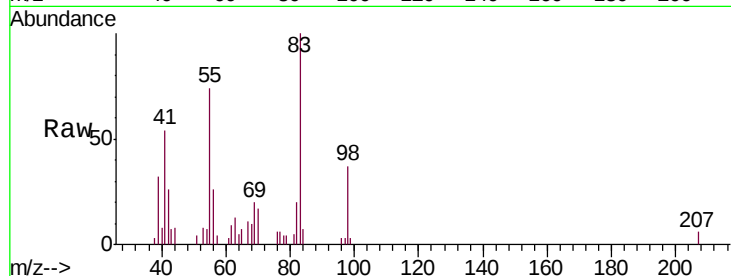




#39
Methvlcvclohexane
Concen: 2.49 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

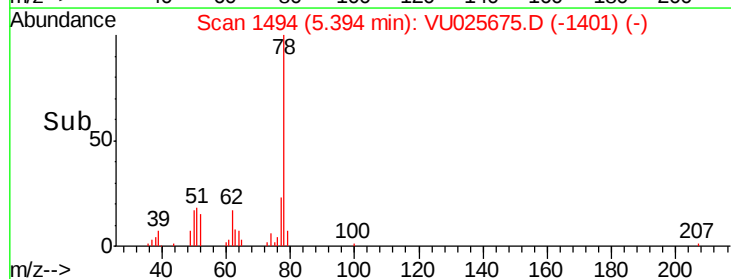
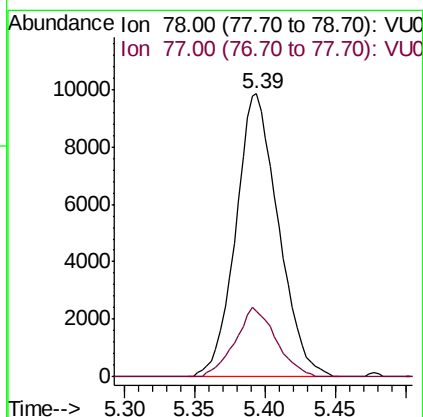
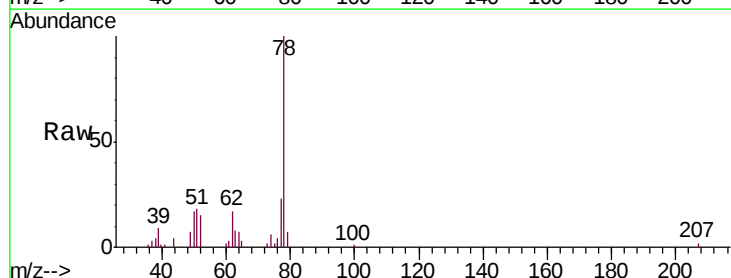
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

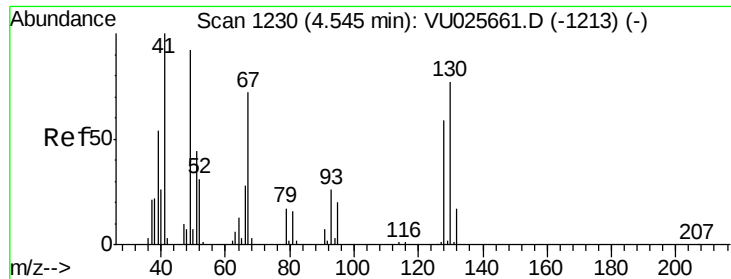
Tot Ion: 83 Resp: 8473
Ion Ratio Lower Upper
83 100
55 73.6 60.0 90.0
98 37.3 36.1 54.1



#40
Benzene
Concen: 2.40 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 78 Resp: 20809
Ion Ratio Lower Upper
78 100
77 23.4 19.8 29.6

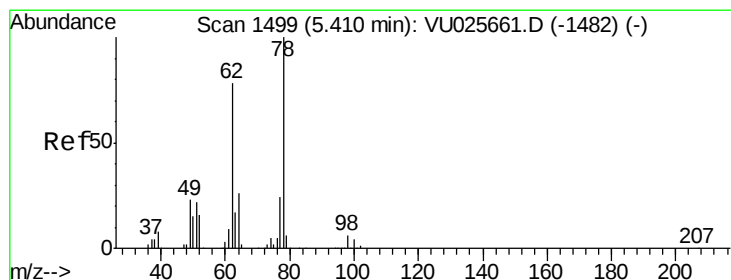
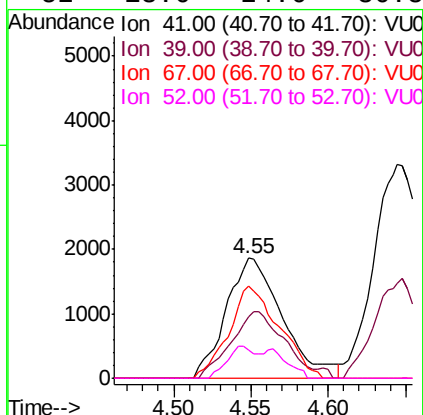
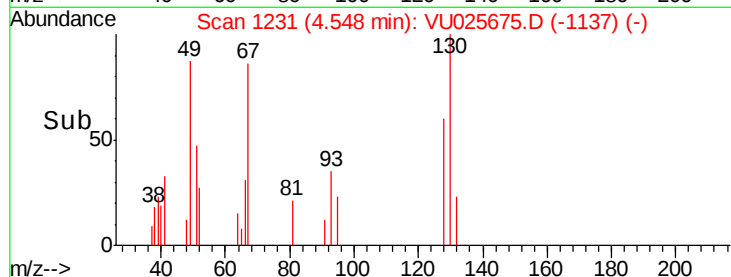
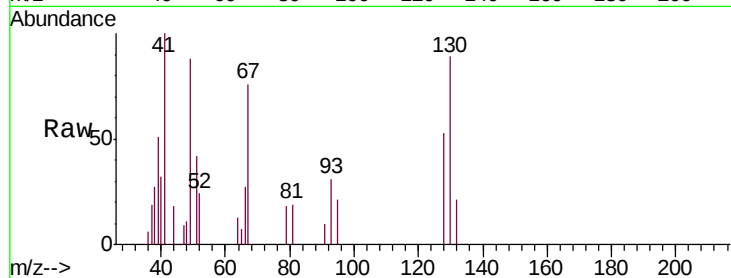




#41
Methacrylonitrile
Concen: 2.74 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

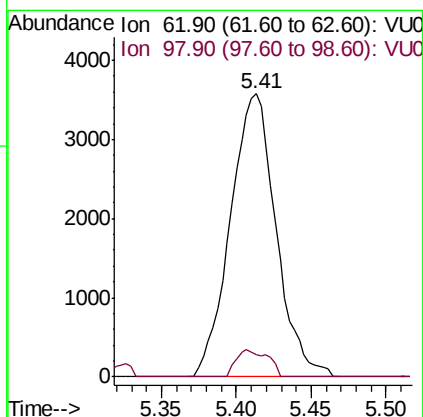
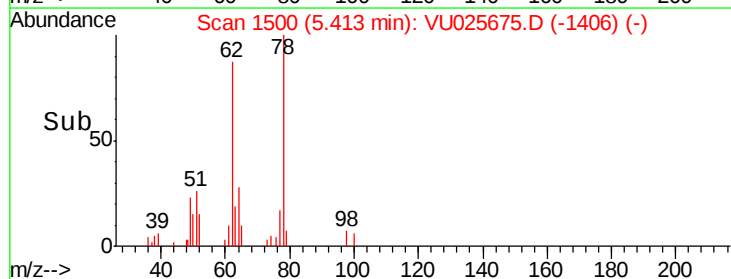
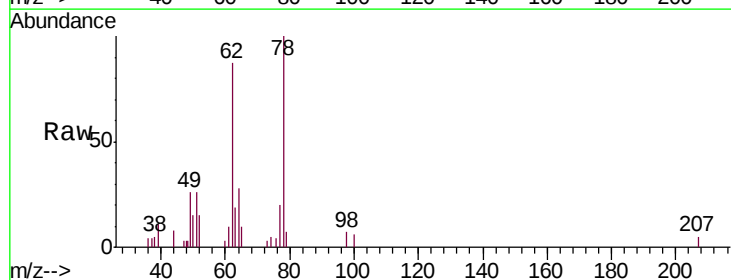
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

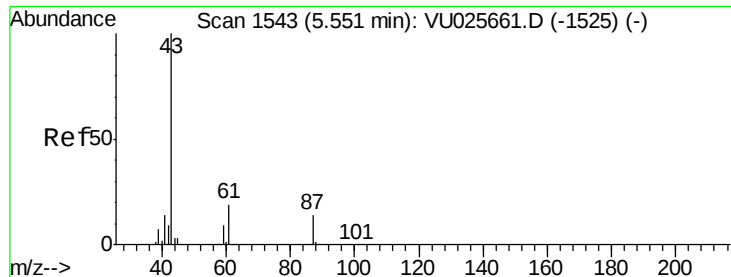
Tot Ion:	41	Resp:	4676
Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	68.9	56.0	84.0
52	13.6	24.6	36.8#



#42
1,2-Dichloroethane
Concen: 2.28 ug/l
RT: 5.41 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion:	62	Resp:	7602
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	16.4





#43

Isopropyl Acetate

Concen: 2.57 ug/l

RT: 5.55 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

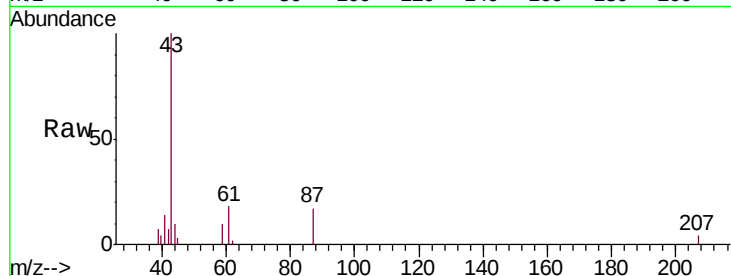
Tot Ion: 43 Resp: 13082

Ion Ratio Lower Upper

43 100

61 18.3 15.5 23.3

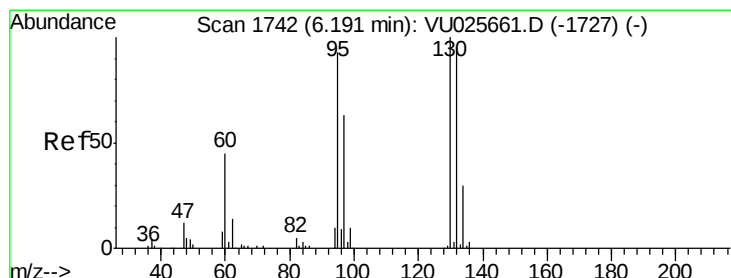
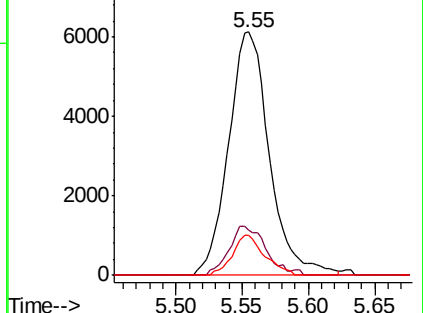
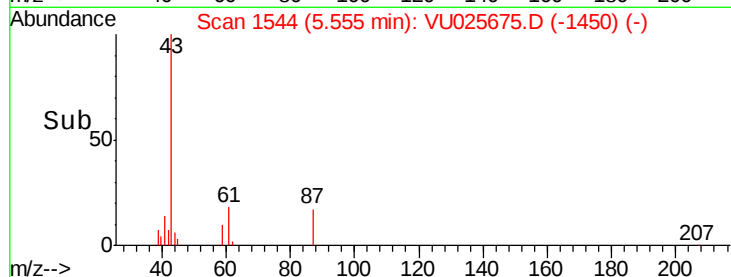
87 13.1 10.6 16.0



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: 2.39 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025675.D

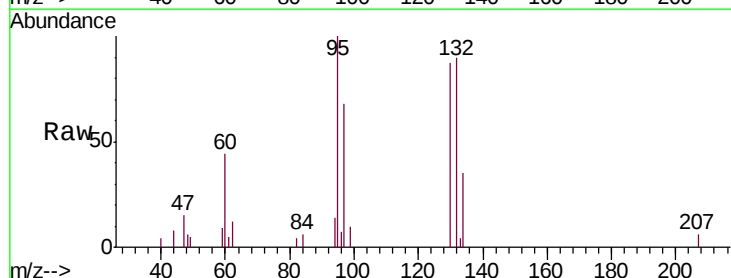
Acq: 27 Jul 2018 17:38

Tgt Ion:130 Resp: 5760

Ion Ratio Lower Upper

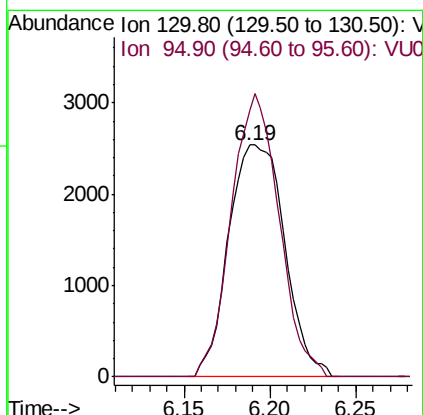
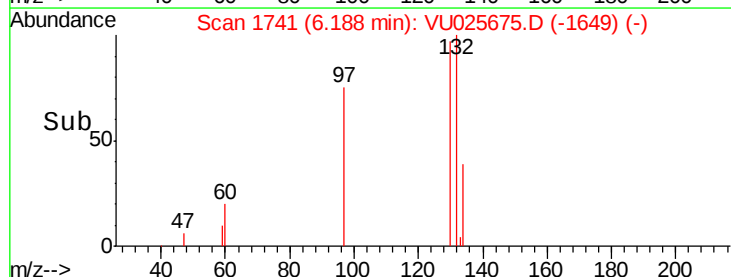
130 100

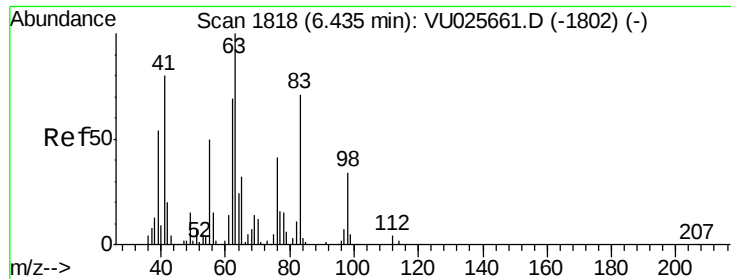
95 114.8 0.0 192.2



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: 2.32 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

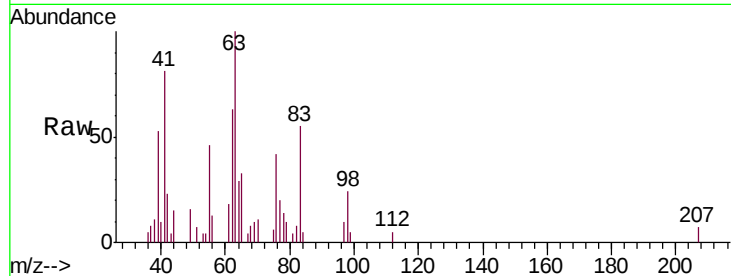
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 5241

Ion Ratio Lower Upper

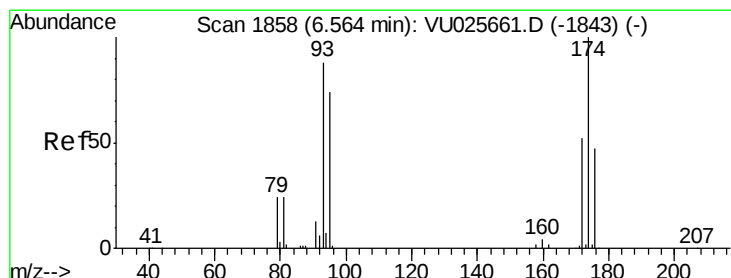
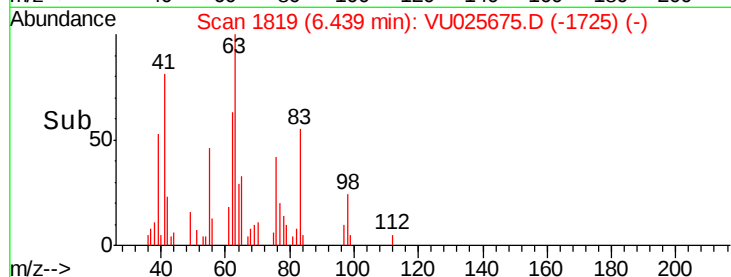
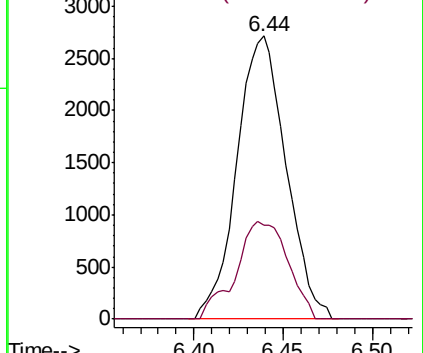
63 100

65 33.3 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: 2.71 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

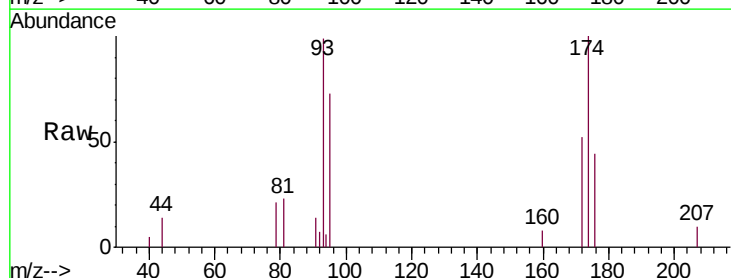
Tgt Ion: 93 Resp: 4434

Ion Ratio Lower Upper

93 100

95 72.5 66.6 100.0

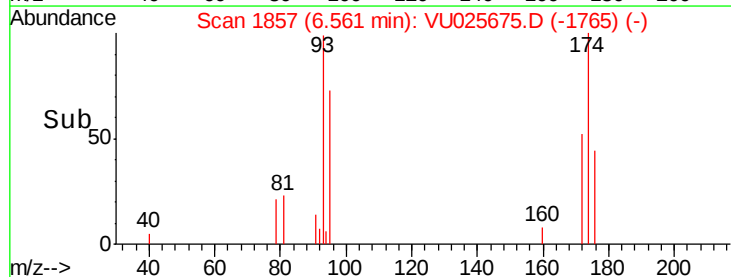
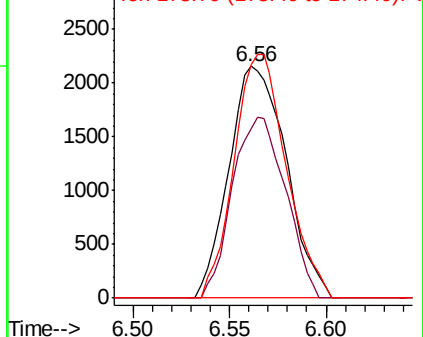
174 96.0 85.8 128.8

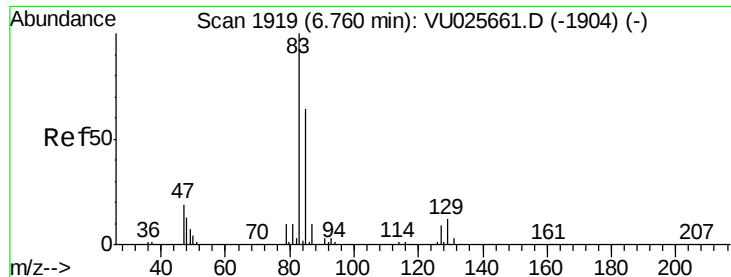


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.43 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

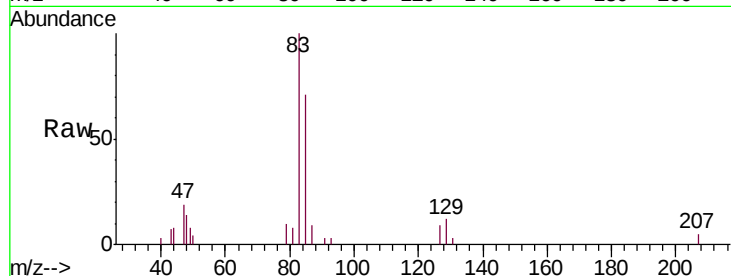
Tot Ion: 83 Resp: 7591

Ion Ratio Lower Upper

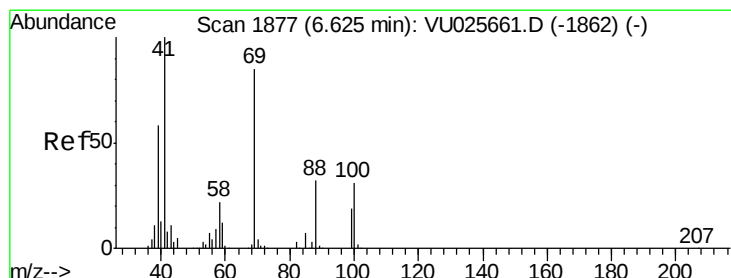
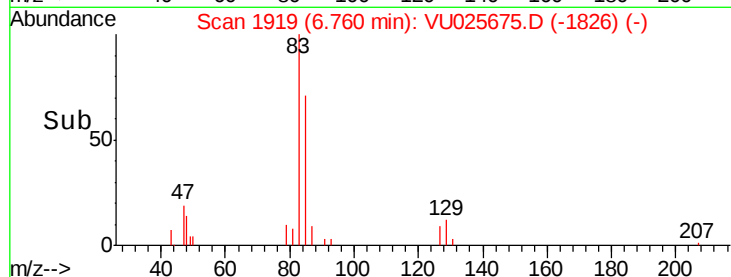
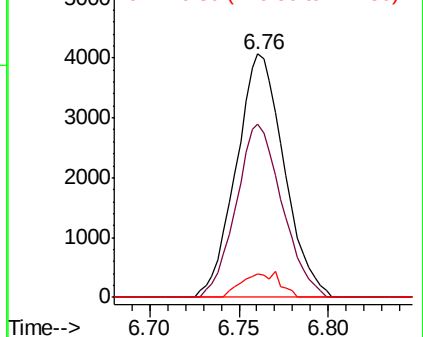
83 100

85 70.9 50.2 75.4

127 9.4 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: 2.42 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

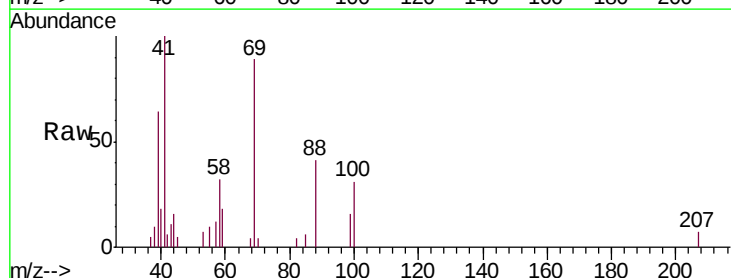
Tgt Ion: 41 Resp: 6024

Ion Ratio Lower Upper

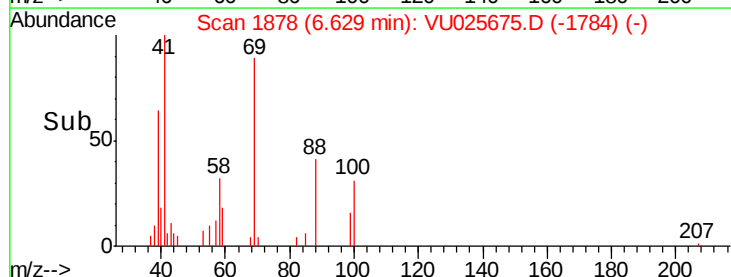
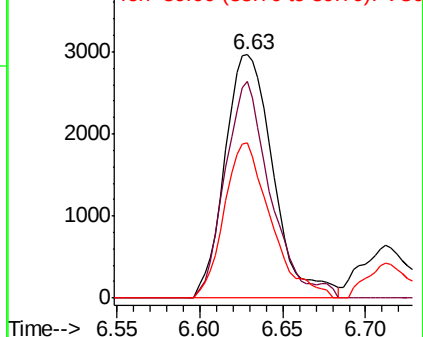
41 100

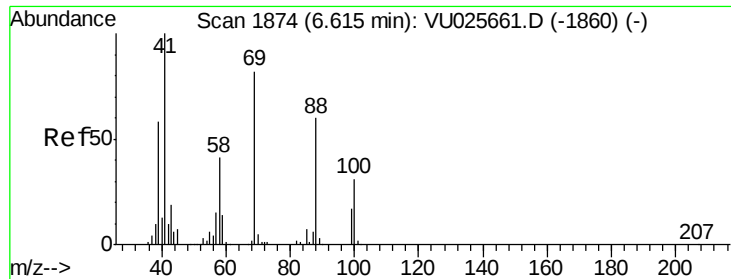
69 83.0 65.0 97.4

39 61.2 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

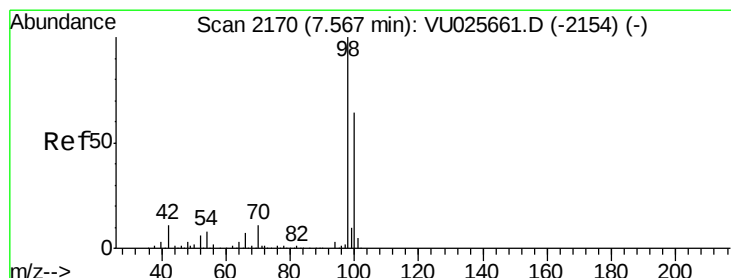
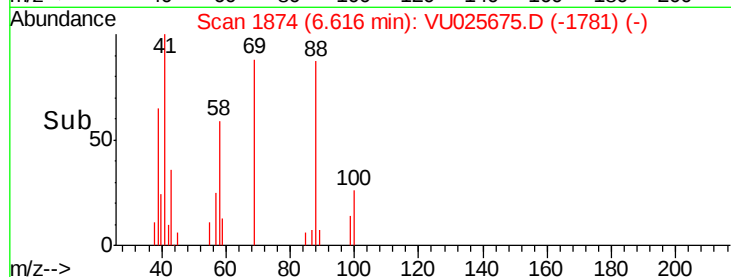
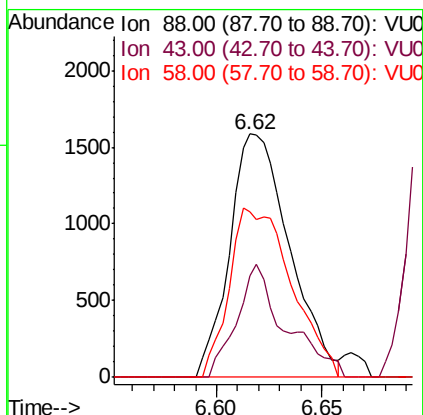
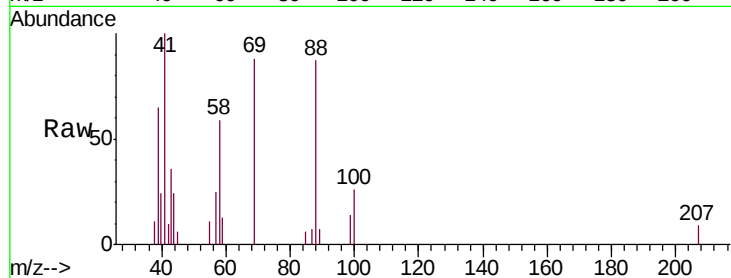




#49
1,4-Dioxane
Concen: 51.63 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

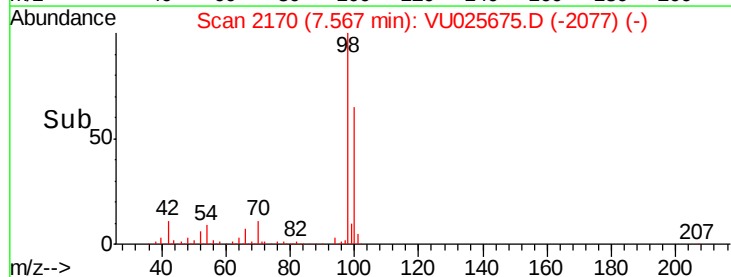
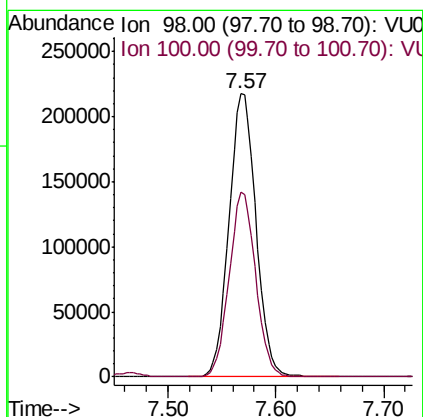
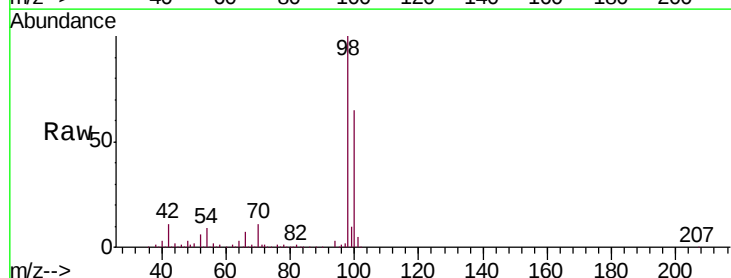
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

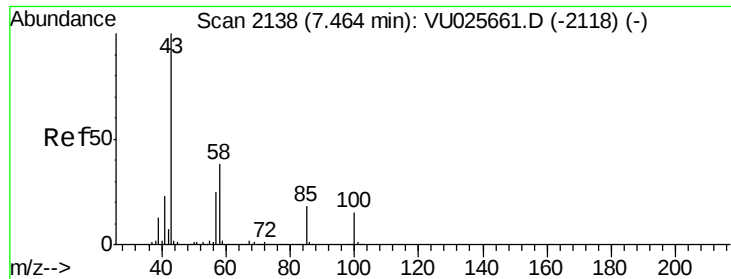
Tot Ion: 88 Resp: 3129
Ion Ratio Lower Upper
88 100
43 37.9 27.3 40.9
58 71.9 57.6 86.4



#50
Toluene-d8
Concen: 49.25 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion: 98 Resp: 380331
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 12.34 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

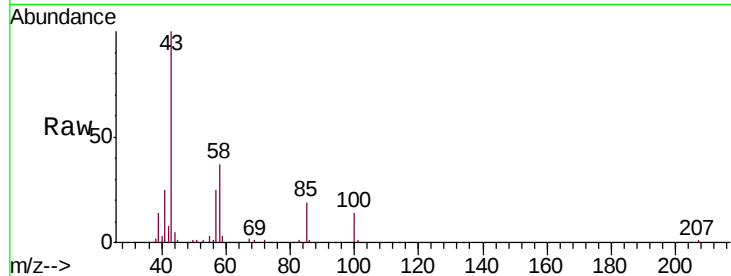
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 39250

Ion Ratio Lower Upper

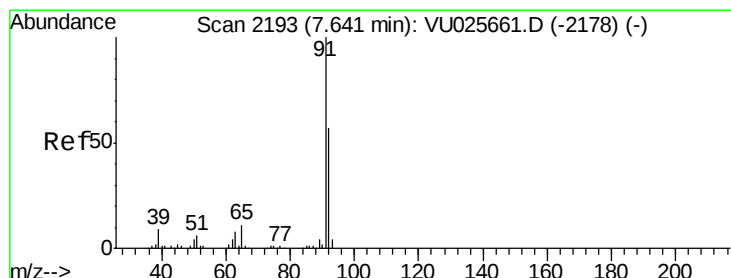
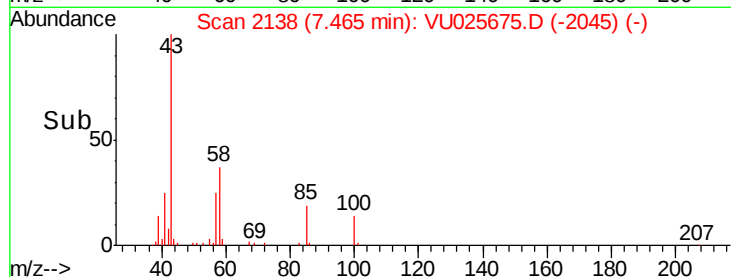
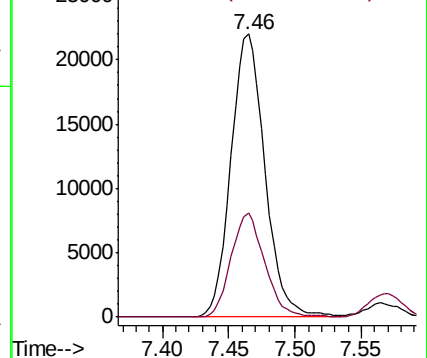
43 100

58 36.1 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 2.48 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025675.D

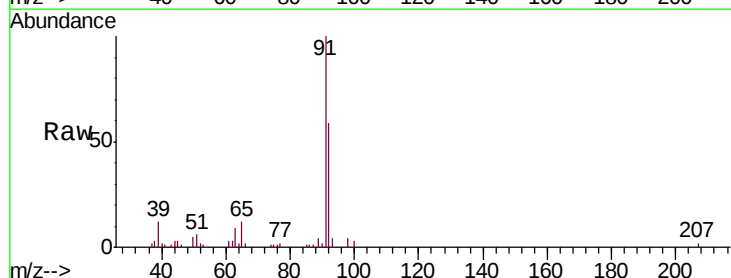
Acq: 27 Jul 2018 17:38

Tgt Ion: 92 Resp: 13354

Ion Ratio Lower Upper

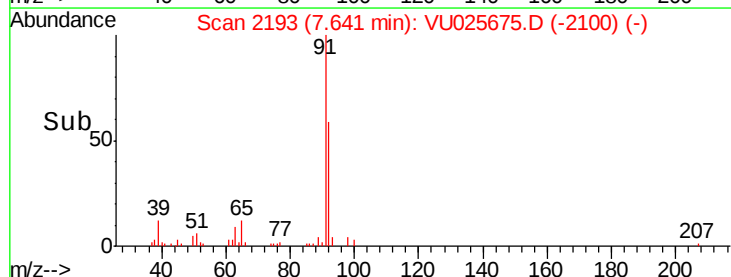
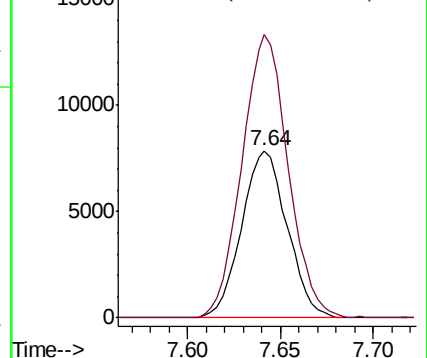
92 100

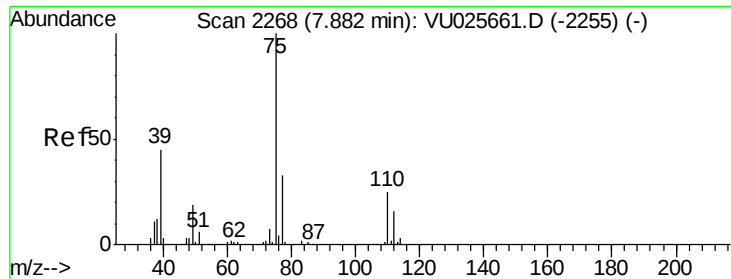
91 172.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 2.31 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

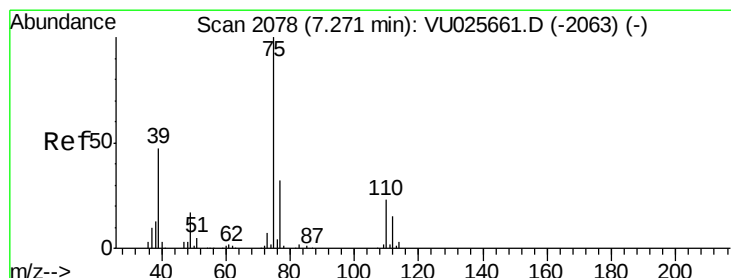
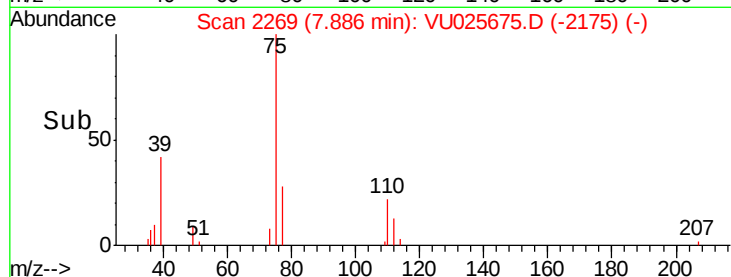
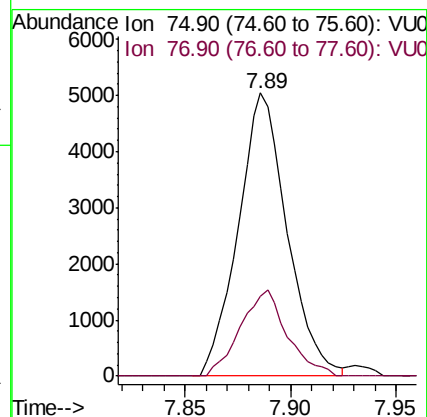
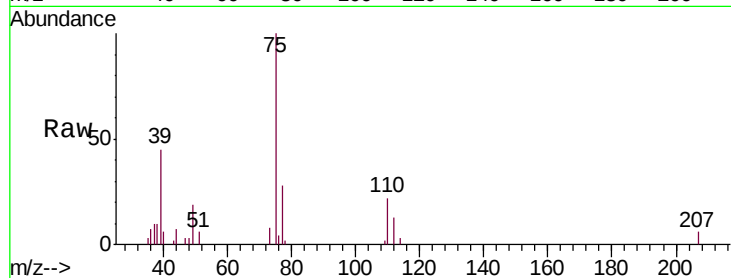
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 75 Resp: 8114

Ion Ratio Lower Upper

75 100

77 28.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 2.25 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

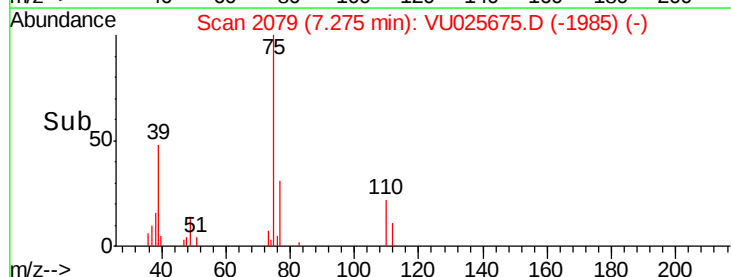
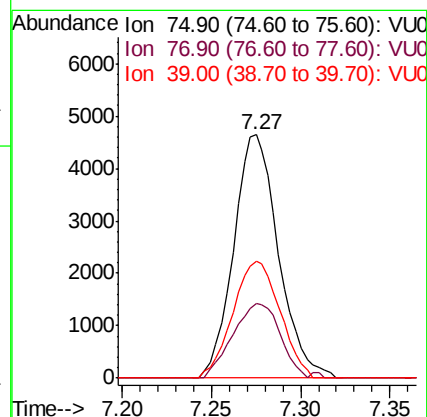
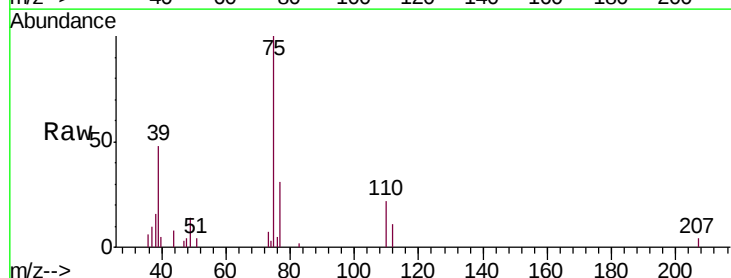
Tgt Ion: 75 Resp: 8111

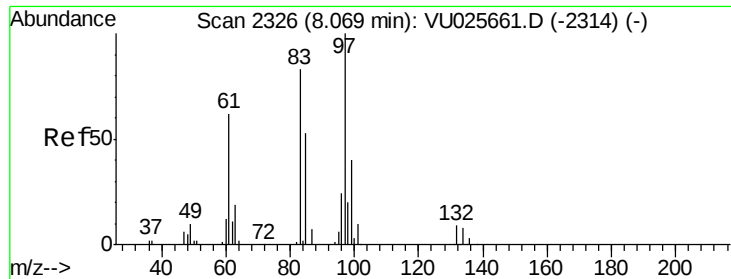
Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

39 48.1 40.0 60.0

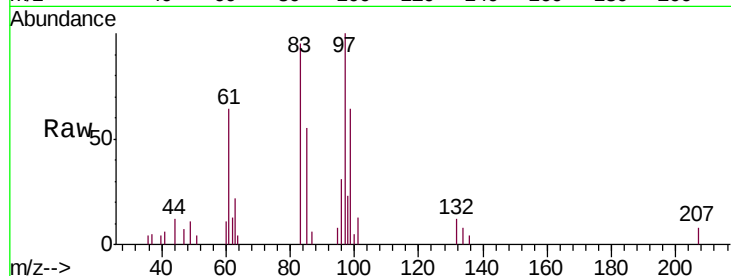




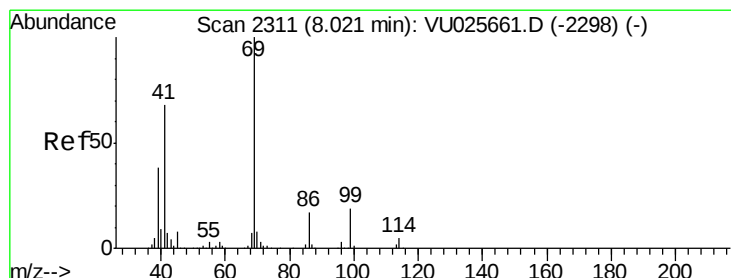
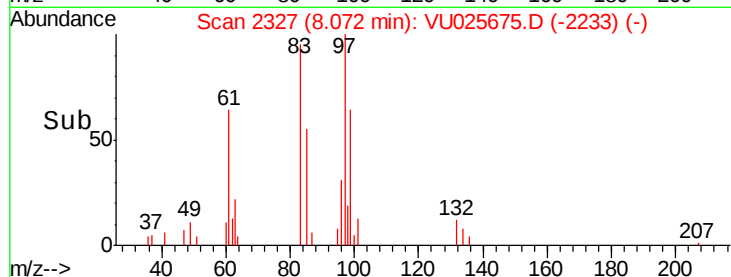
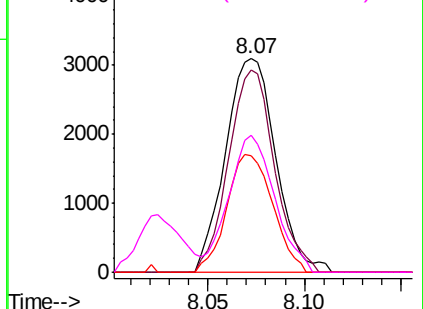
#55
 1,1,2-Trichloroethane
 Concen: 2.50 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:	97	Resp:	5598
Ion	Ratio	Lower	Upper
97	100		
83	94.9	68.9	103.3
85	54.7	44.4	66.6
99	64.2	51.0	76.4

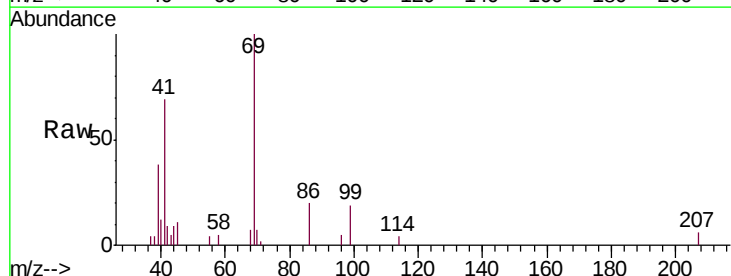


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

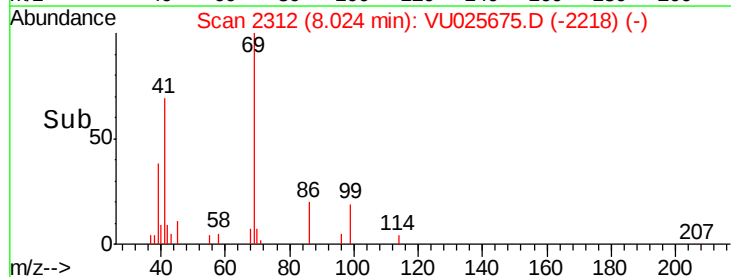
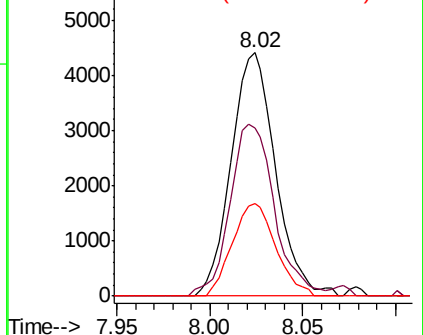


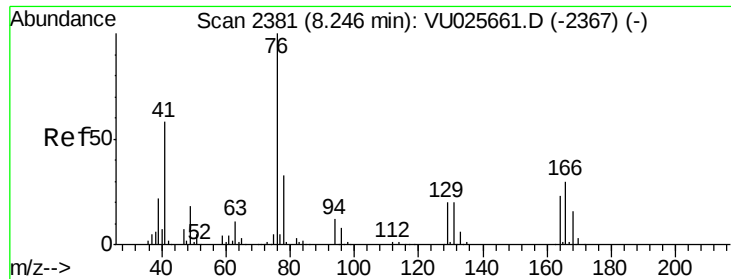
#56
 Ethyl methacrylate
 Concen: 2.29 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion:	69	Resp:	7329
Ion	Ratio	Lower	Upper
69	100		
41	70.7	54.8	82.2
39	37.2	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: 2.40 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

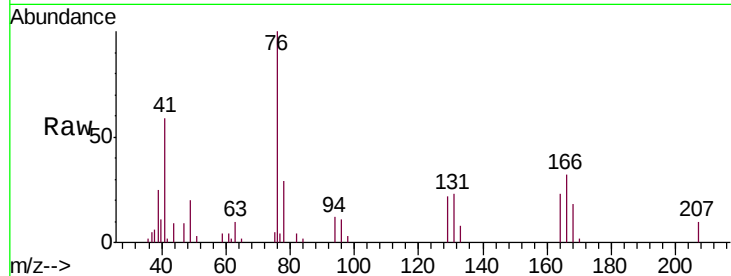
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 76 Resp: 9014

Ion Ratio Lower Upper

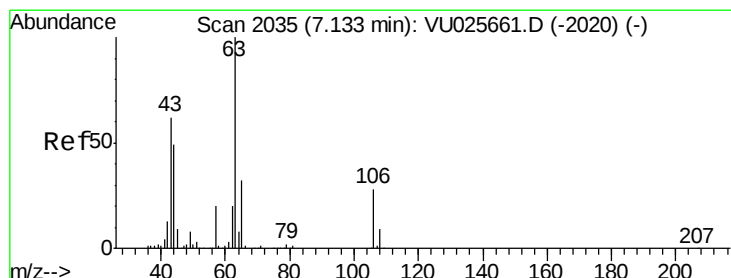
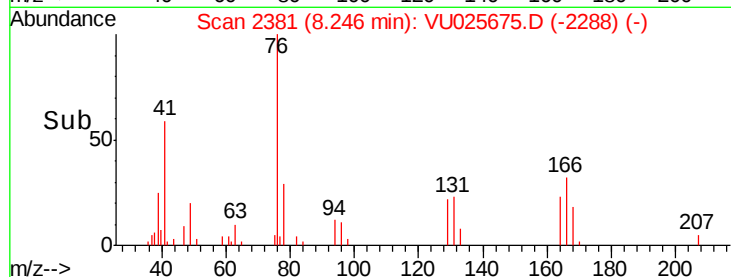
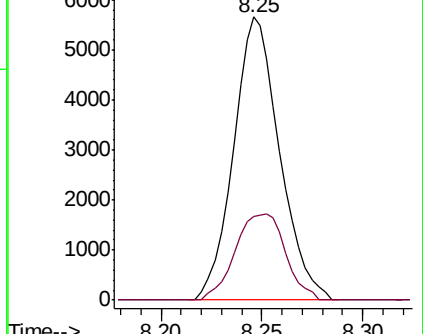
76 100

78 33.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 7.12 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025675.D

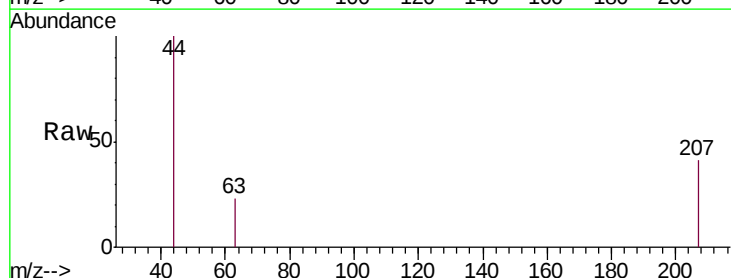
Acq: 27 Jul 2018 17:38

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

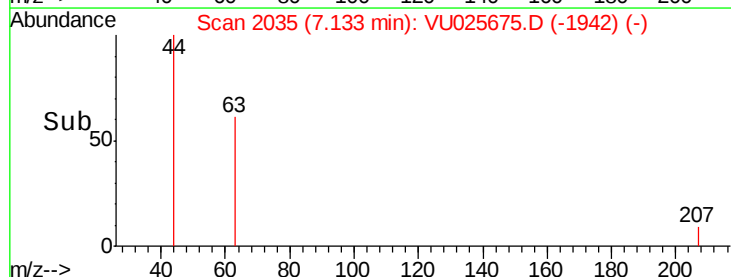
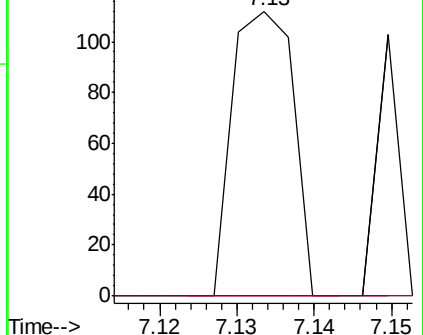
63 100

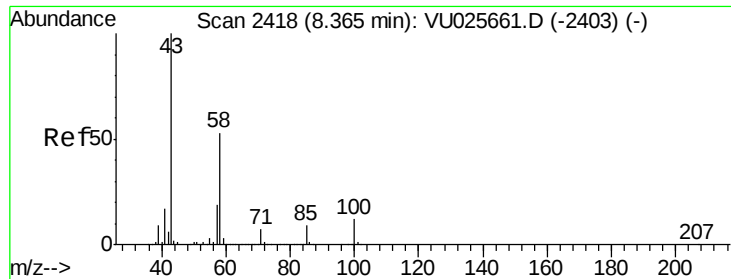
106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

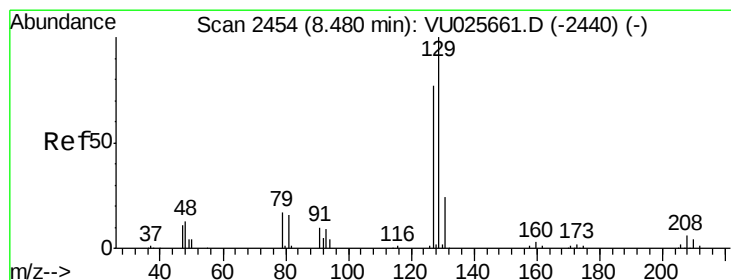
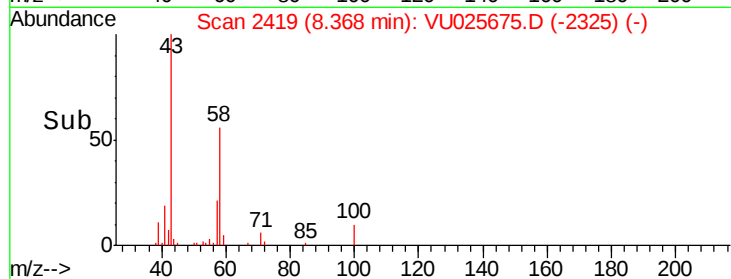
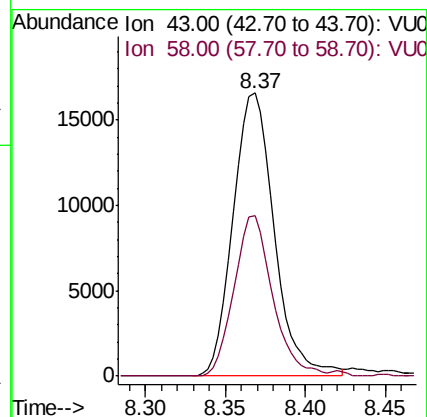
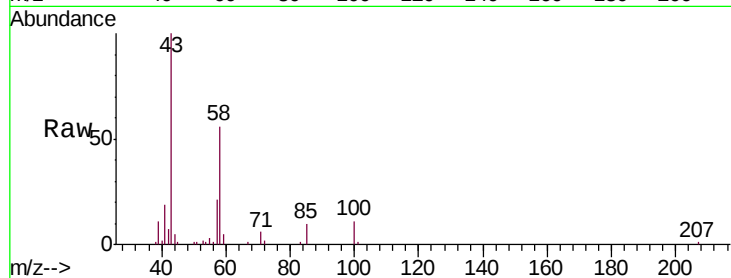




#59
2-Hexanone
Concen: 11.68 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

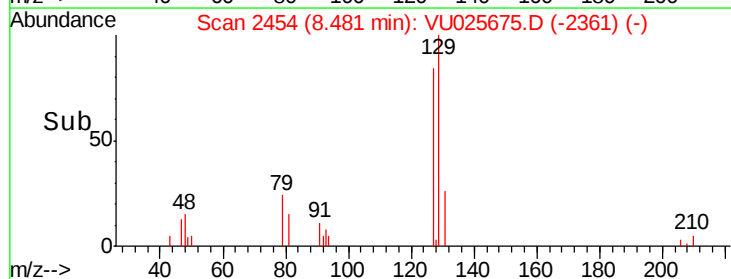
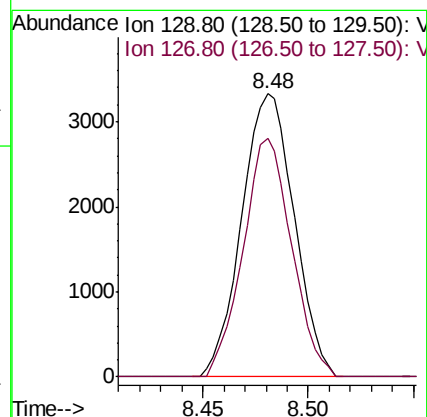
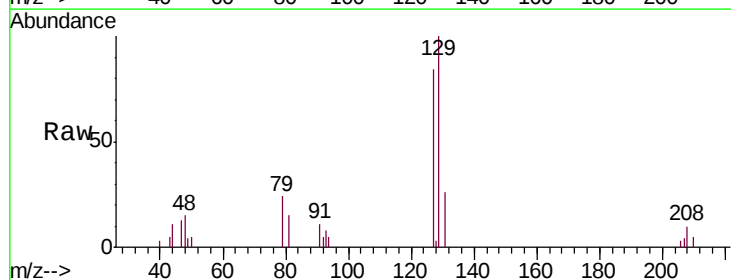
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

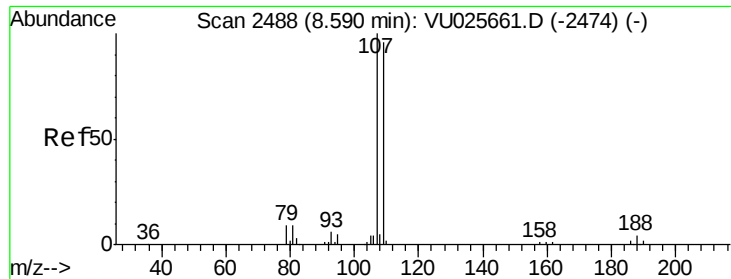
Tot Ion: 43 Resp: 29132
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.5



#60
Dibromochloromethane
Concen: 2.18 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion:129 Resp: 5758
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 2.47 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

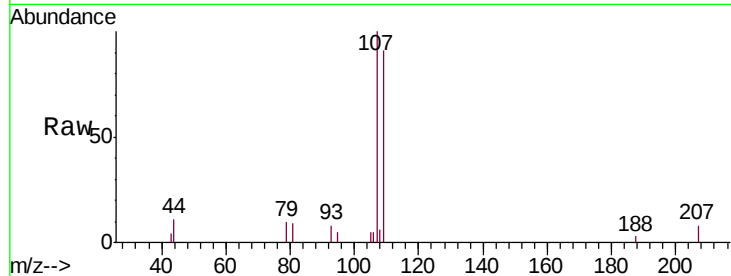
LOD-MDL-WATER-01-QT3-2018

Tot Ion:107 Resp: 6150

Ion Ratio Lower Upper

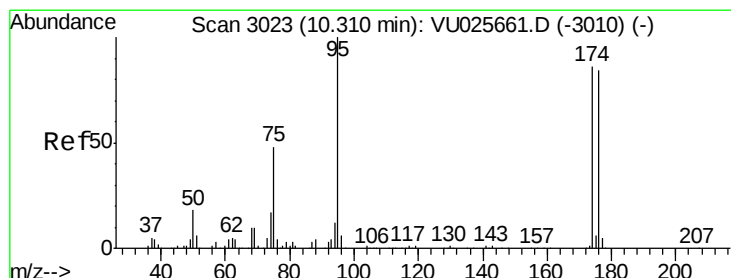
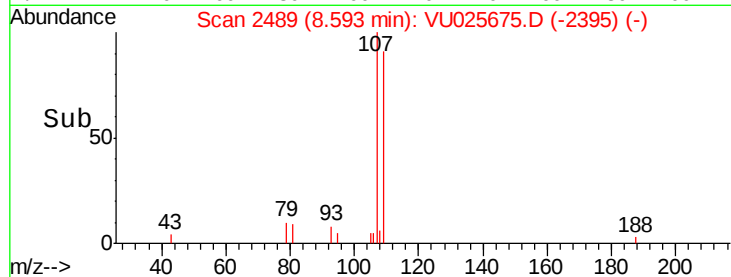
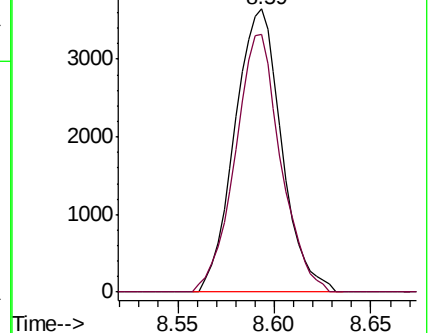
107 100

109 88.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.79 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

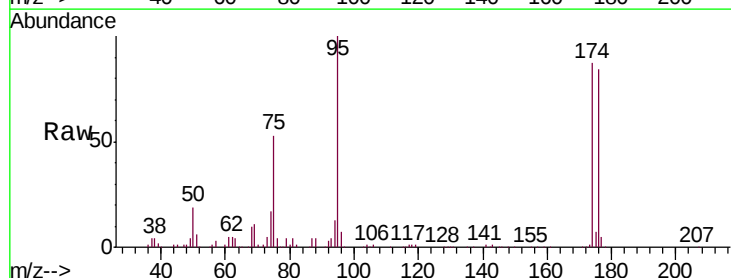
Tgt Ion: 95 Resp: 140258

Ion Ratio Lower Upper

95 100

174 88.1 0.0 172.2

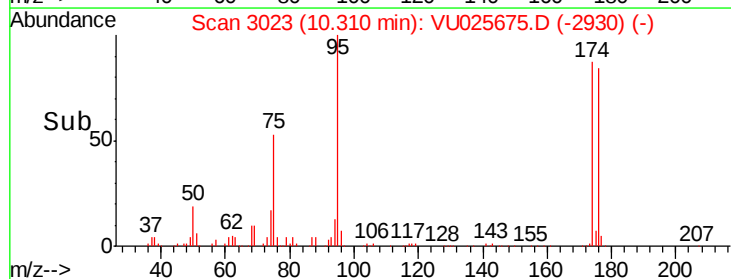
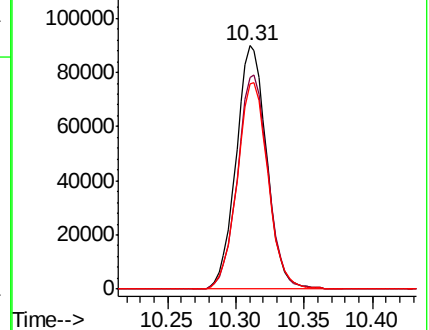
176 85.3 0.0 162.6

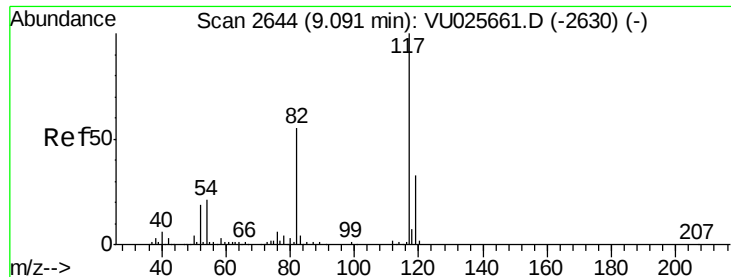


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

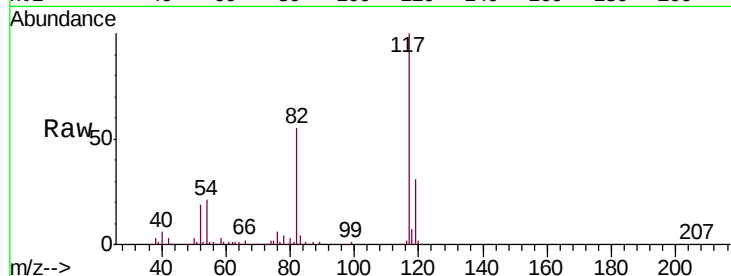




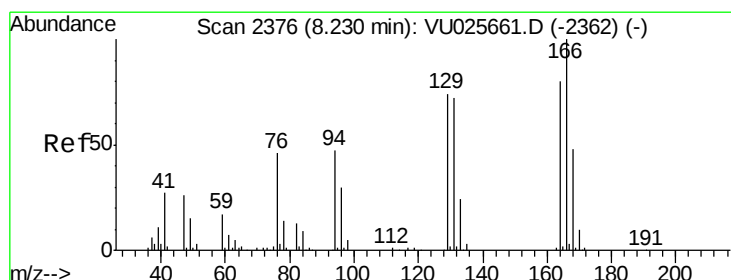
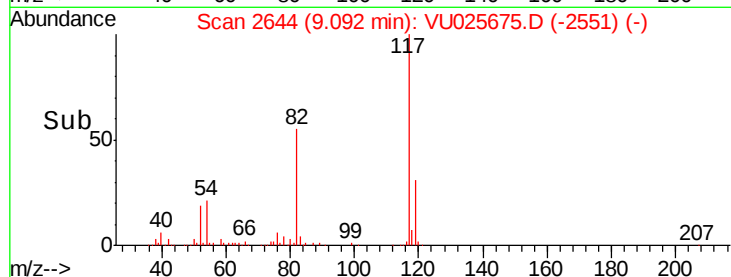
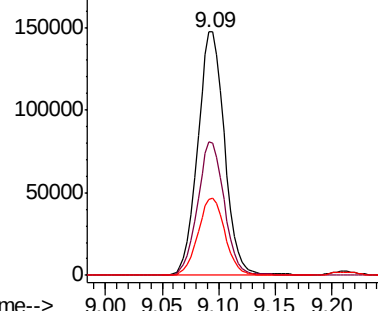
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:117 Resp: 242652
Ion Ratio Lower Upper
117 100
82 55.0 46.0 69.0
119 31.4 26.0 39.0

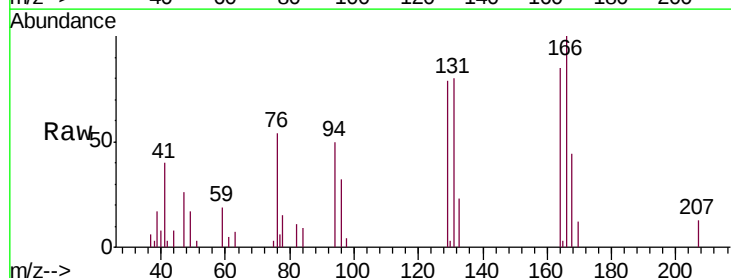


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

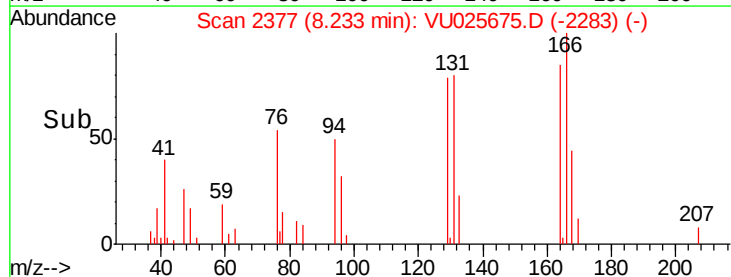
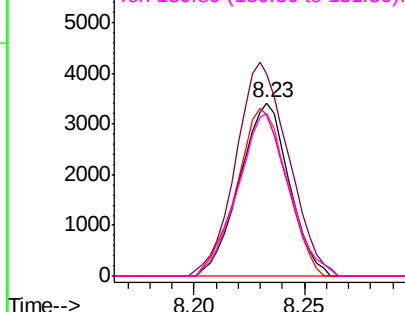


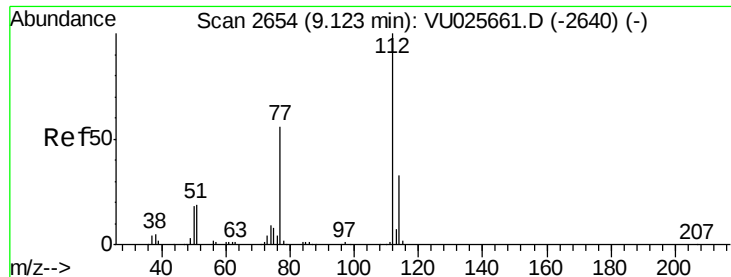
#64
Tetrachloroethene
Concen: 2.48 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion:164 Resp: 5306
Ion Ratio Lower Upper
164 100
166 117.2 101.1 151.7
129 92.9 73.0 109.6
131 94.1 72.1 108.1



Abundance Ion 163.80 (163.50 to 164.50): V
6000 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





#65

Chlorobenzene

Concen: 2.47 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

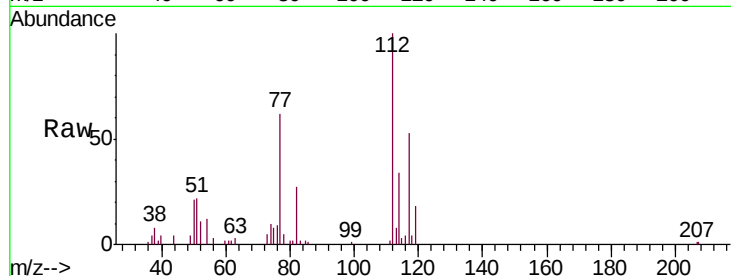
LOD-MDL-WATER-01-QT3-2018

Tot Ion:112 Resp: 15451

Ion Ratio Lower Upper

112 100

114 34.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

10000

8000

6000

4000

2000

0

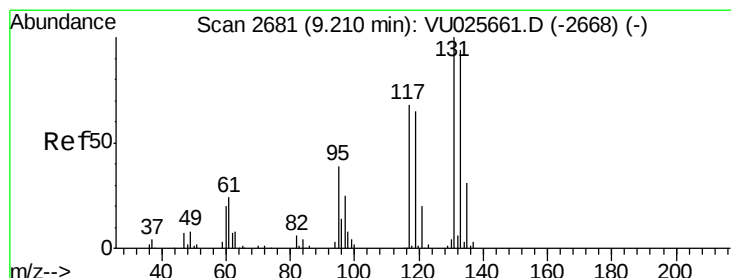
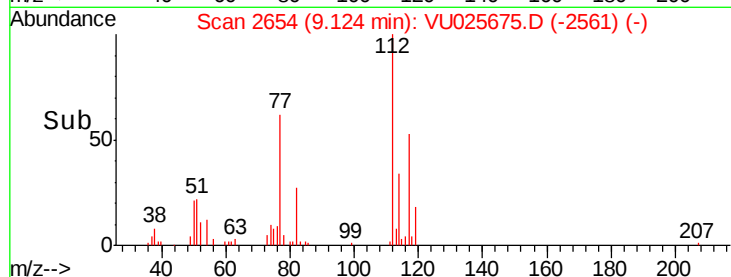
9.05

9.10

9.15

9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 2.43 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

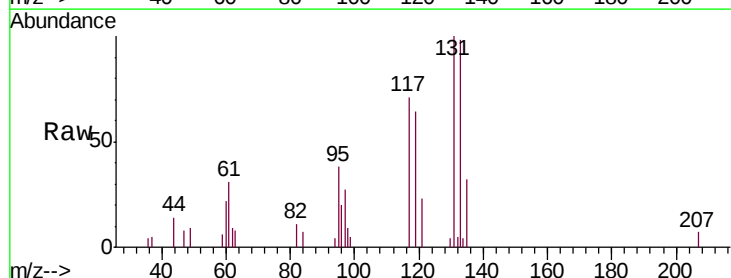
Tgt Ion:131 Resp: 5492

Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.3

119 67.7 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

9.21

4000

3000

2000

1000

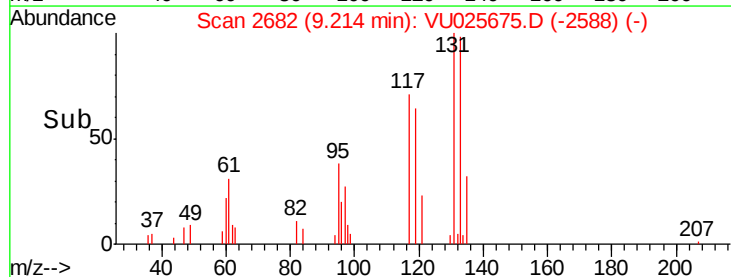
0

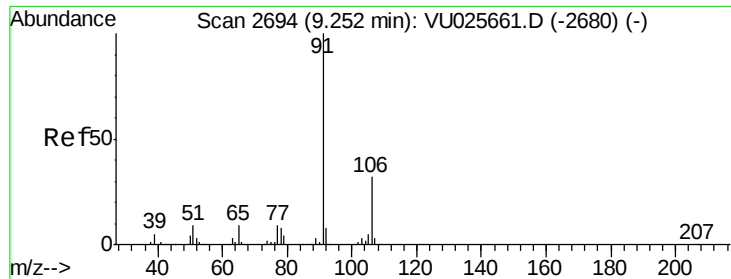
9.15

9.20

9.25

Time-->





#67

Ethyl Benzene

Concen: 2.43 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

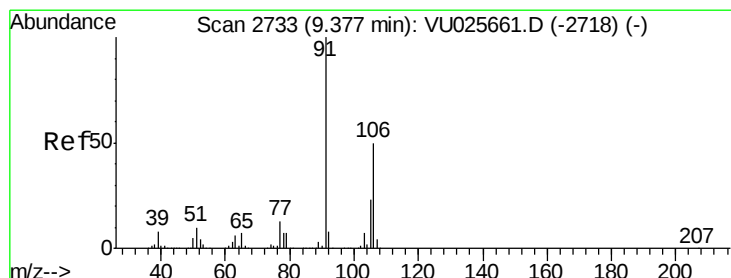
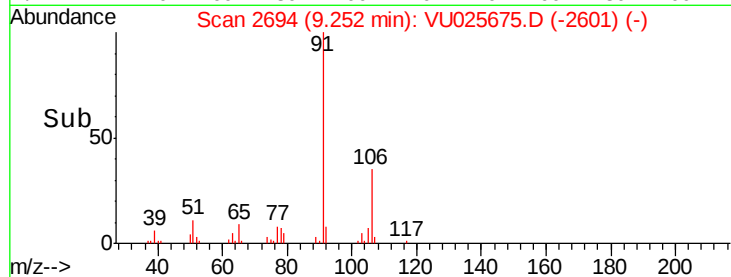
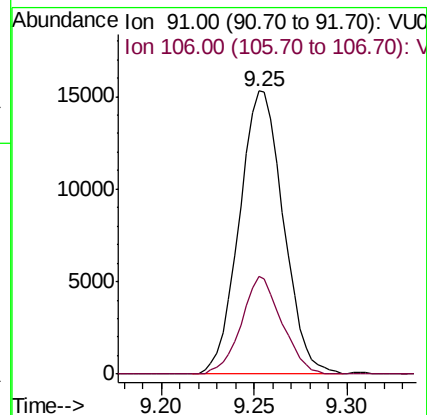
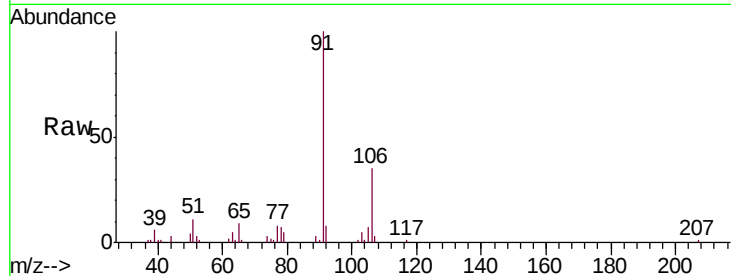
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 25222

Ion Ratio Lower Upper

91 100

106 34.7 25.3 37.9



#68

m/p-Xylenes

Concen: 4.84 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025675.D

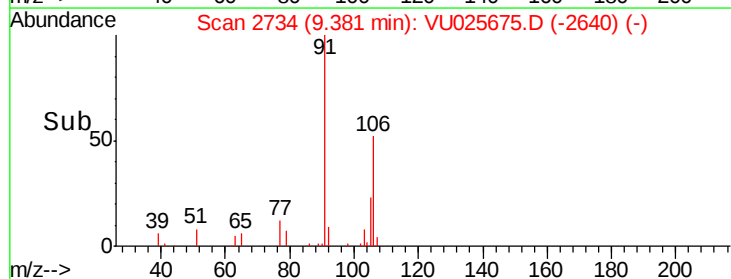
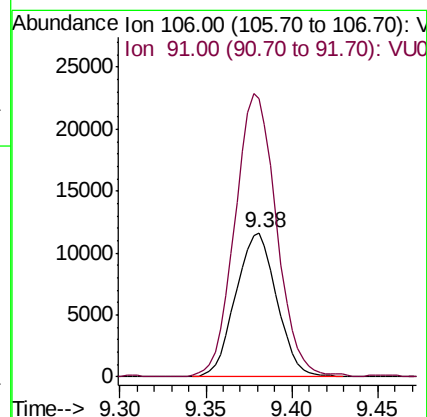
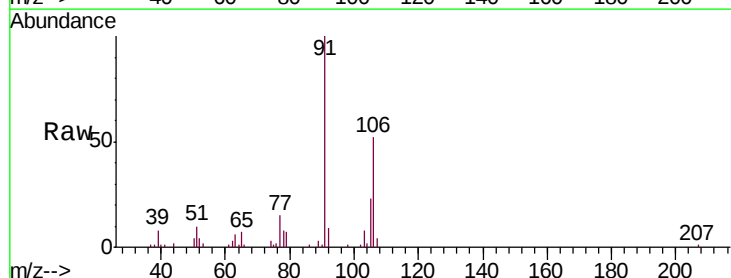
Acq: 27 Jul 2018 17:38

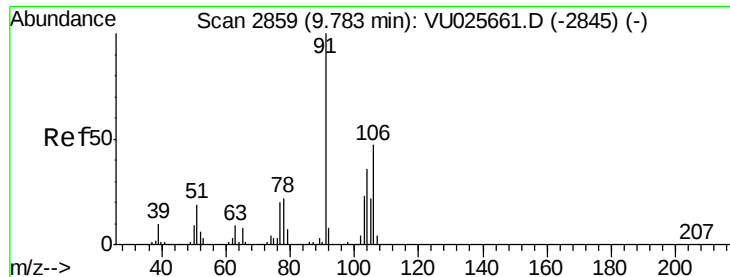
Tgt Ion: 106 Resp: 19269

Ion Ratio Lower Upper

106 100

91 199.4 162.3 243.5

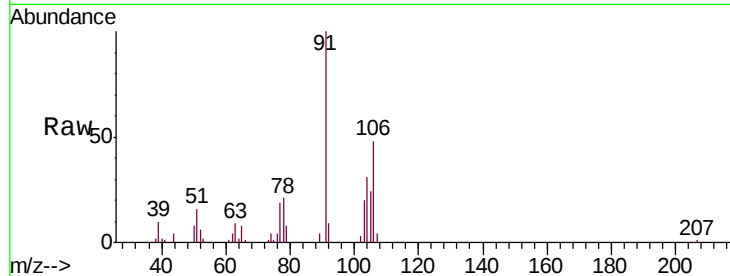




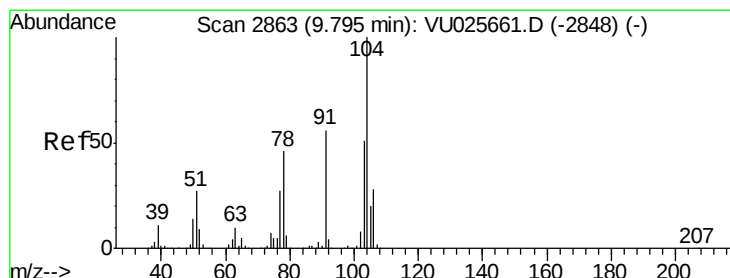
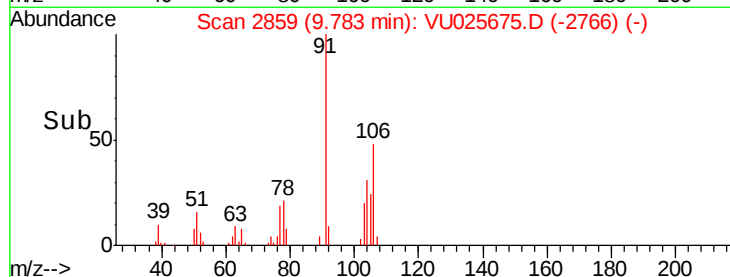
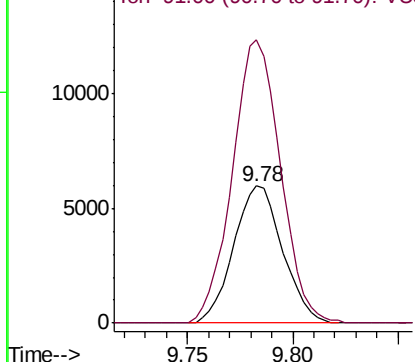
#69
o-Xylene
Concen: 2.48 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:106 Resp: 9632
Ion Ratio Lower Upper
106 100
91 202.8 105.3 315.8

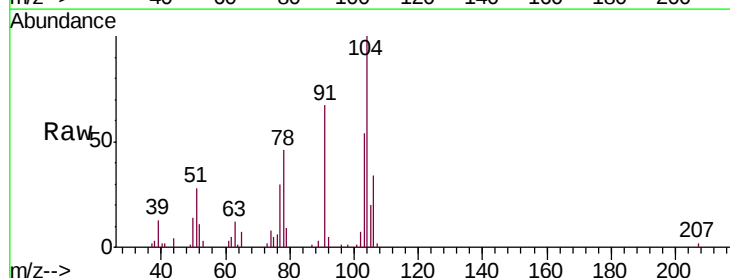


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

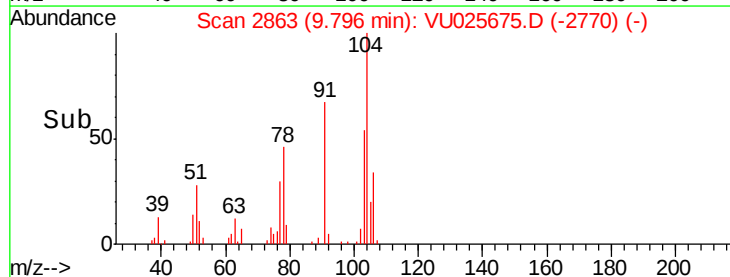
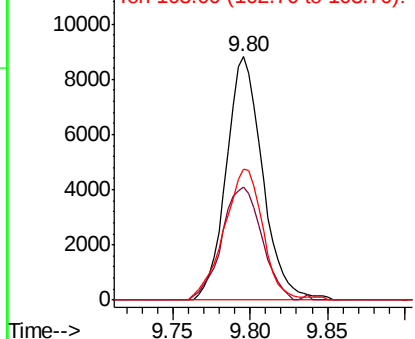


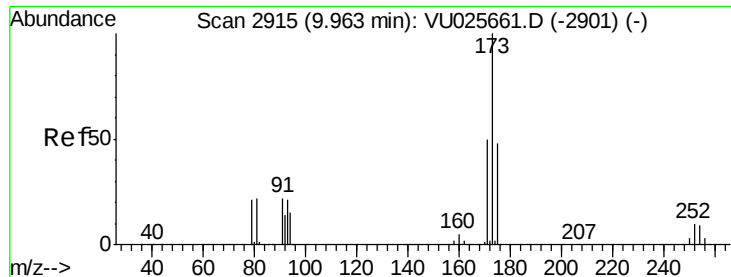
#70
Styrene
Concen: 2.28 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion:104 Resp: 14312
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 57.5 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
12000 Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.13 ug/l

RT: 9.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

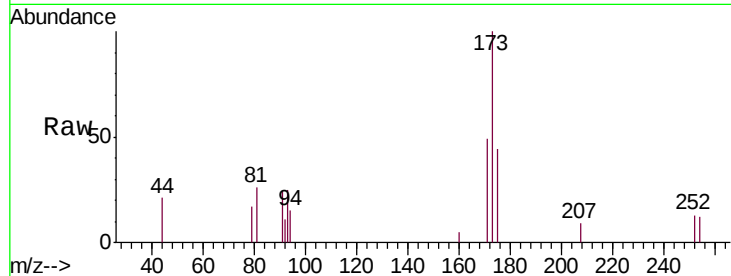
Tot Ion:173 Resp: 4179

Ion Ratio Lower Upper

173 100

175 46.6 24.0 72.0

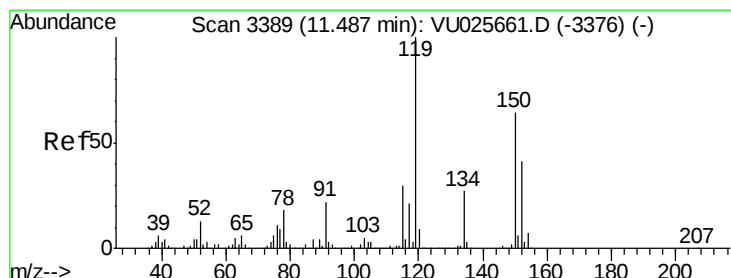
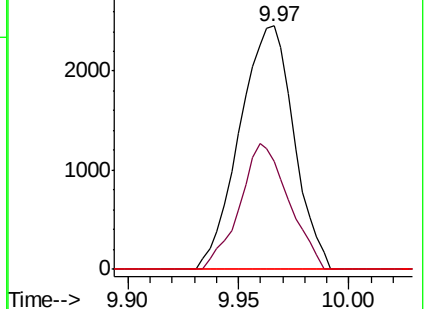
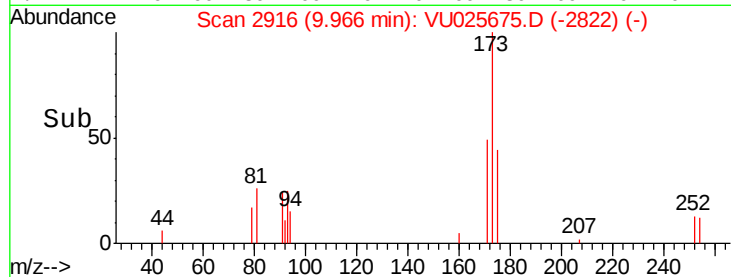
254 0.0 0.0 0.0



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: VU025675.D

Acq: 27 Jul 2018 17:38

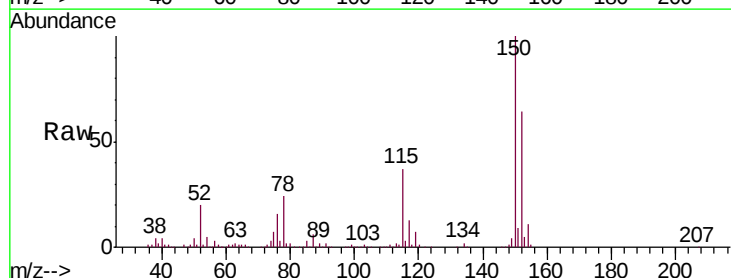
Tgt Ion:152 Resp: 143056

Ion Ratio Lower Upper

152 100

115 58.8 40.1 120.3

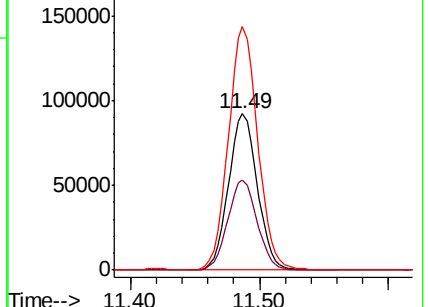
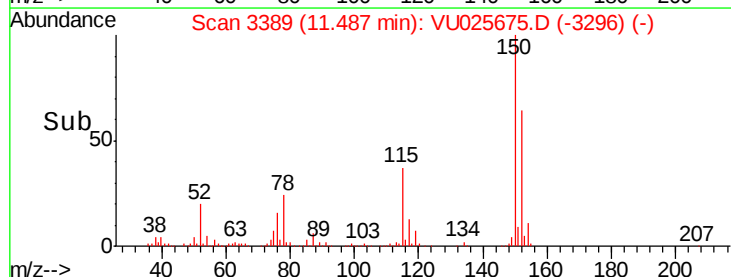
150 158.4 0.0 351.4

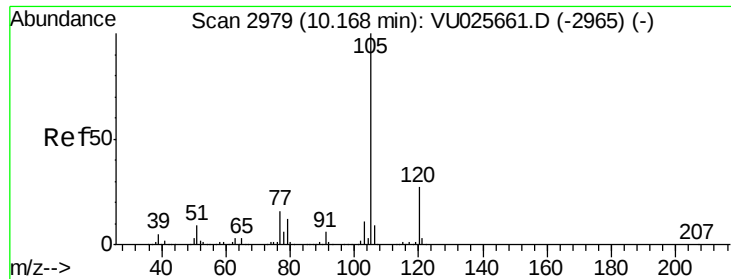


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.51 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

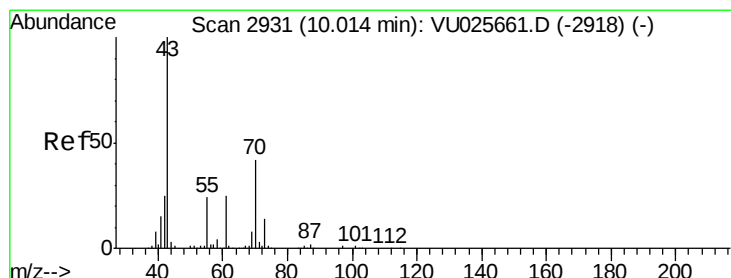
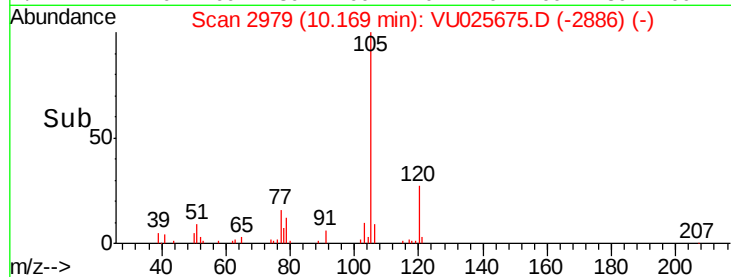
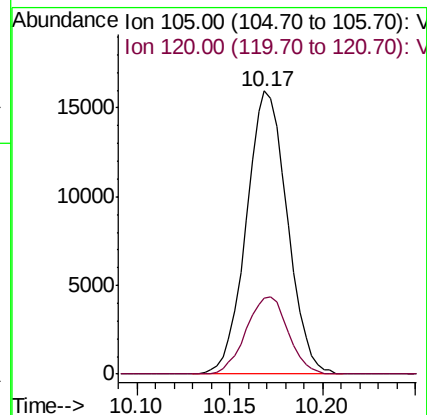
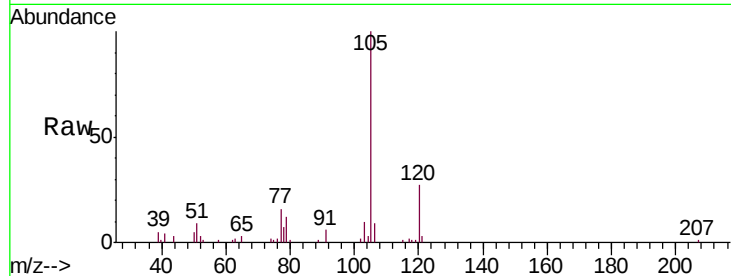
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 24537

Ion Ratio Lower Upper

105 100

120 28.0 13.5 40.5



#74

N-ethyl acetate

Concen: 2.55 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Tgt Ion: 43 Resp: 10169

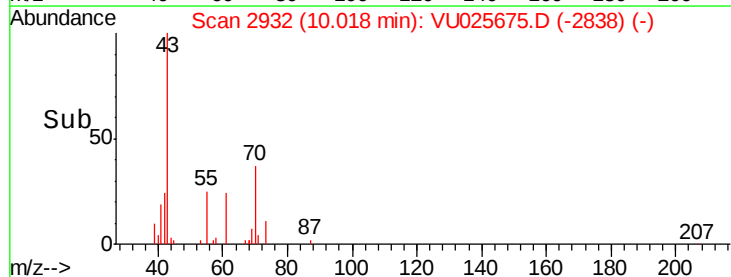
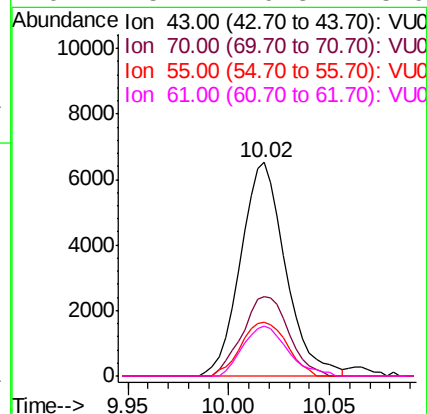
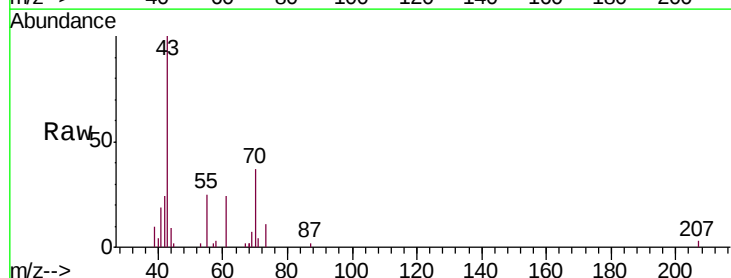
Ion Ratio Lower Upper

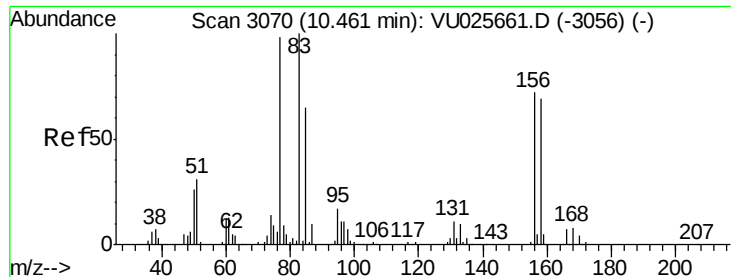
43 100

70 38.3 33.4 50.2

55 25.7 19.0 28.6

61 23.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 2.66 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

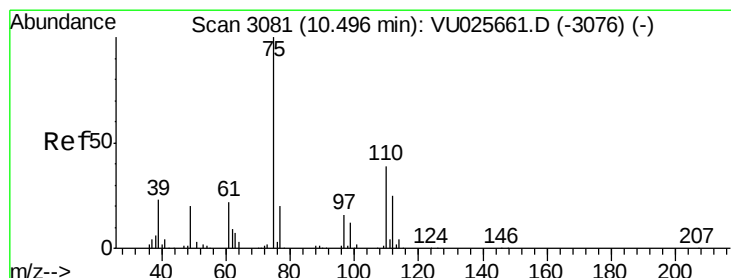
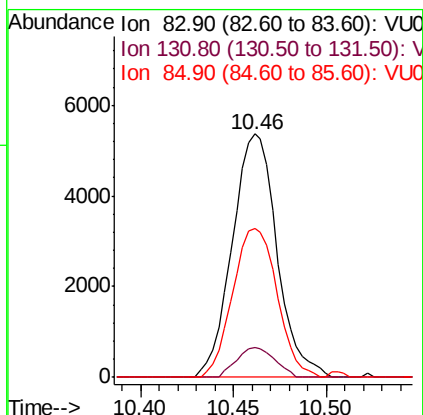
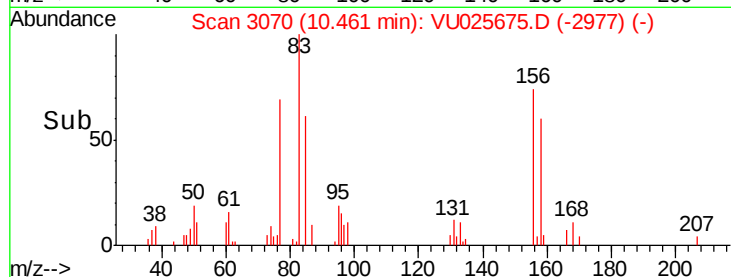
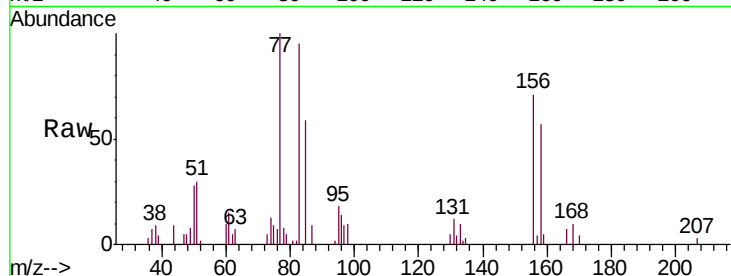
Tot Ion: 83 Resp: 8984

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.4

85 60.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 3.15 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025675.D

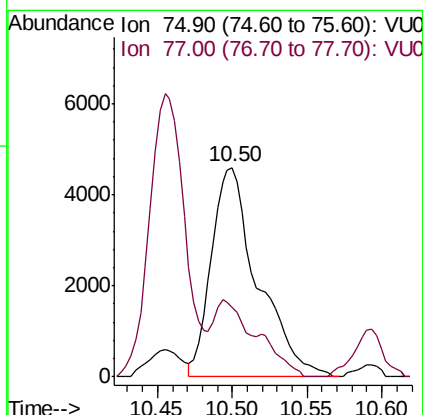
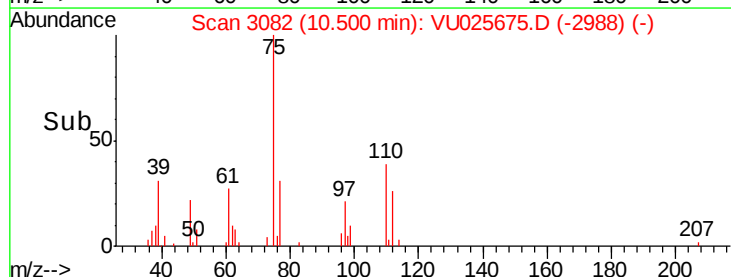
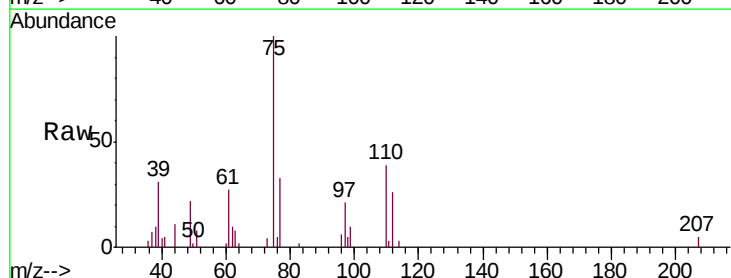
Acq: 27 Jul 2018 17:38

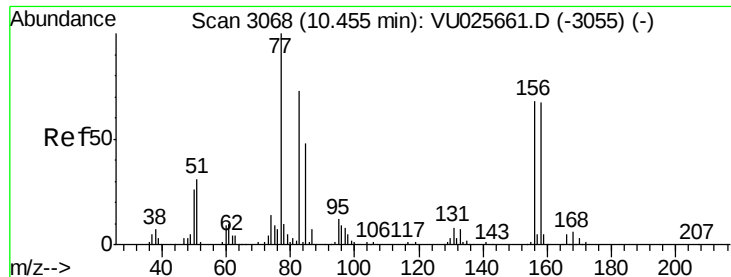
Tgt Ion: 75 Resp: 9931

Ion Ratio Lower Upper

75 100

77 33.7 20.4 61.3





#77

Bromobenzene

Concen: 2.60 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

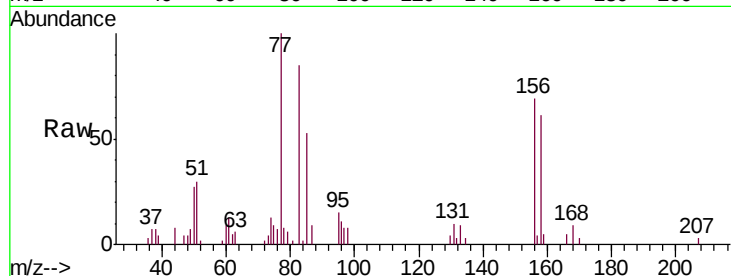
Tot Ion:156 Resp: 7004

Ion Ratio Lower Upper

156 100

77 147.2 73.8 221.4

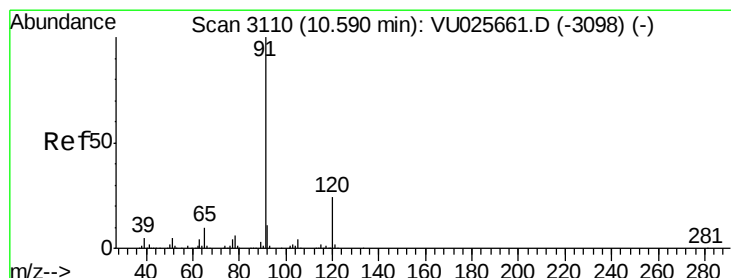
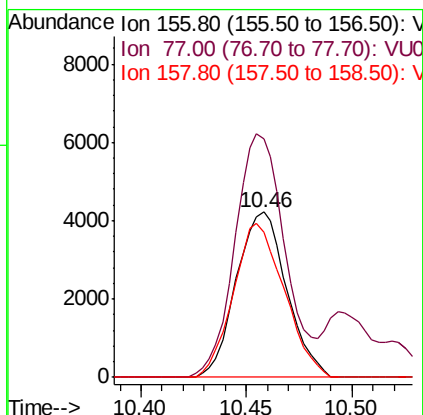
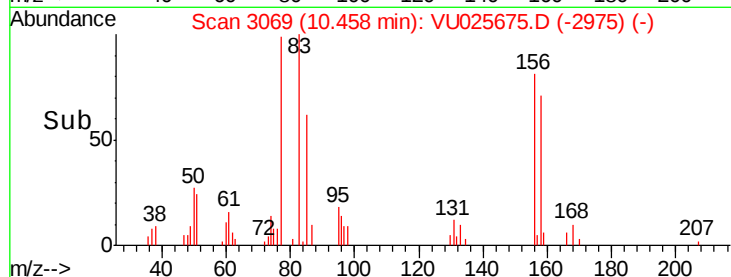
158 93.9 48.0 144.0



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: 2.58 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025675.D

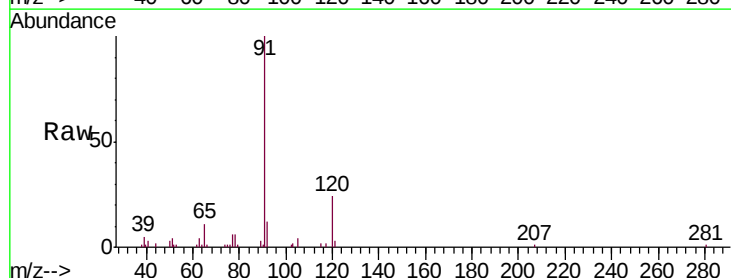
Acq: 27 Jul 2018 17:38

Tgt Ion: 91 Resp: 29362

Ion Ratio Lower Upper

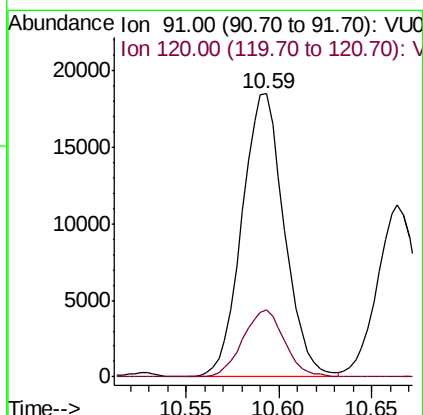
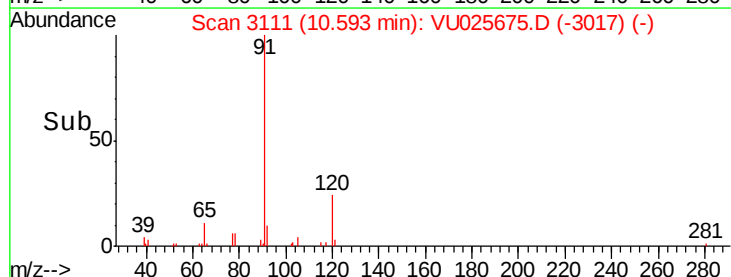
91 100

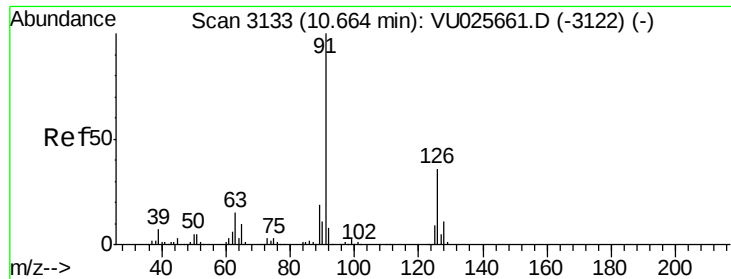
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.62 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

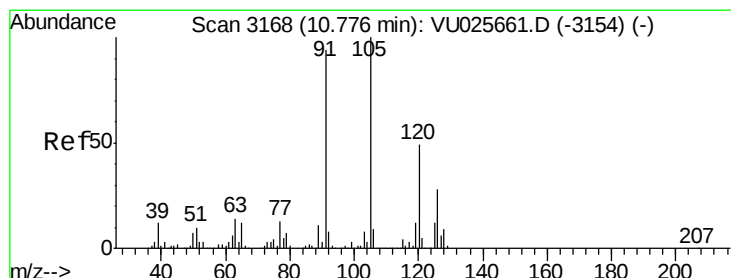
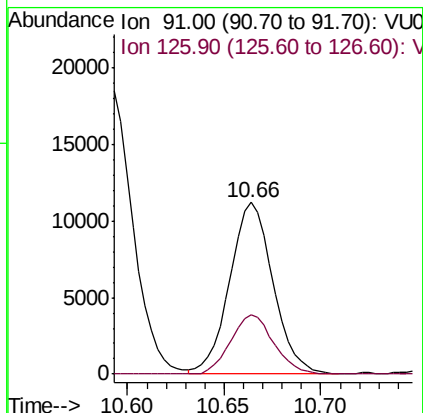
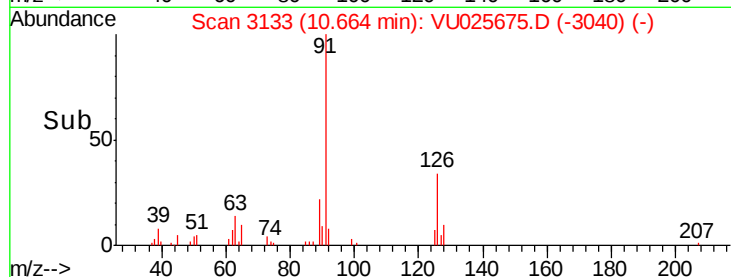
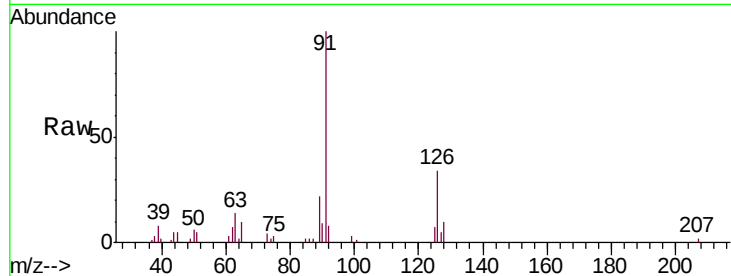
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 17492

Ion Ratio Lower Upper

91 100

126 33.9 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 2.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025675.D

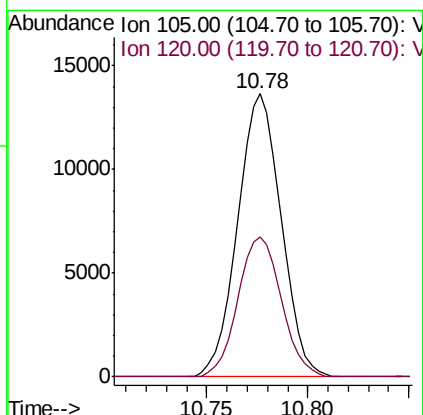
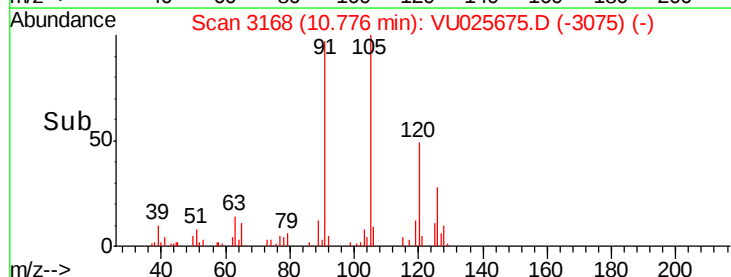
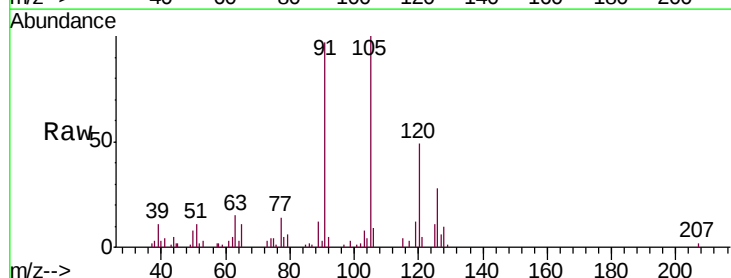
Acq: 27 Jul 2018 17:38

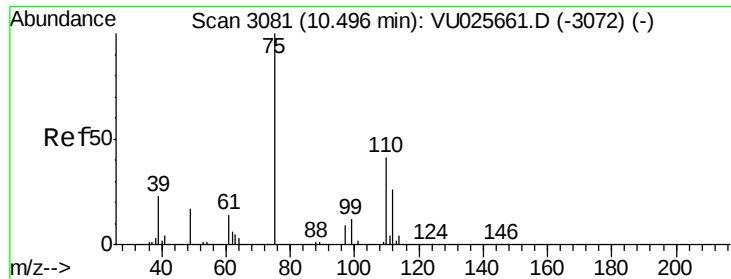
Tgt Ion: 105 Resp: 20641

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 7.90 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

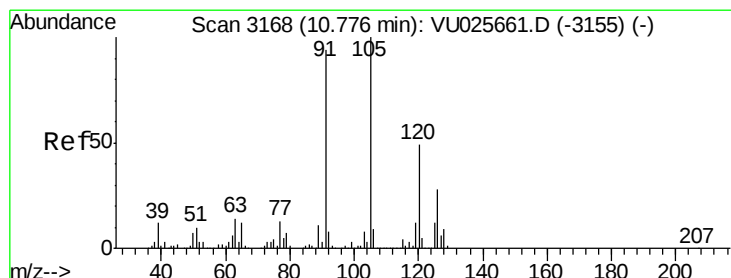
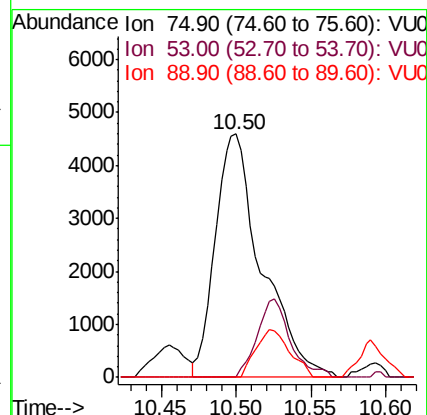
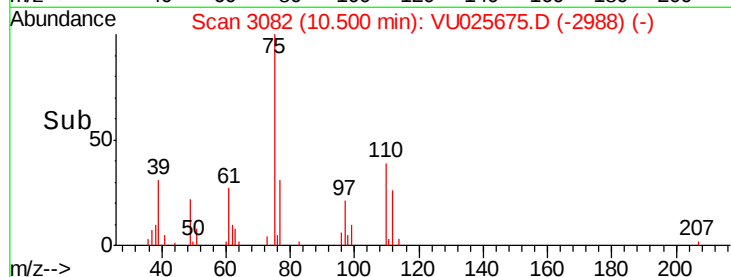
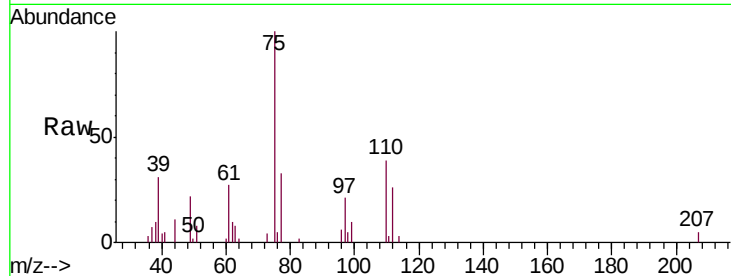
Tot Ion: 75 Resp: 9931

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 2.71 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025675.D

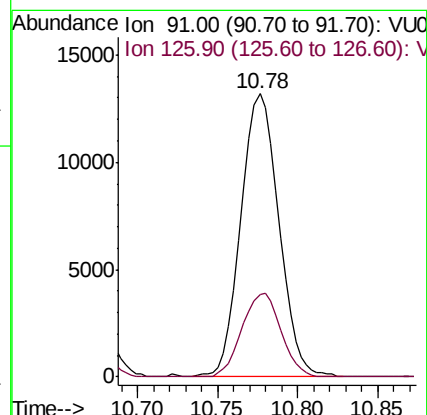
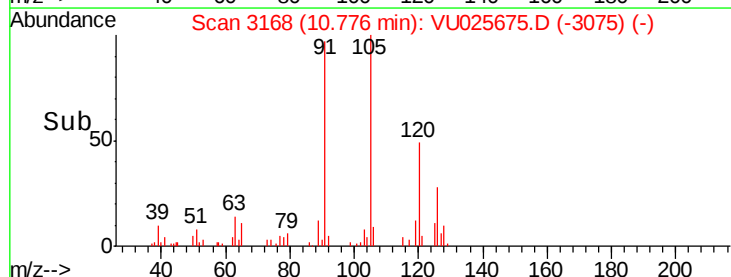
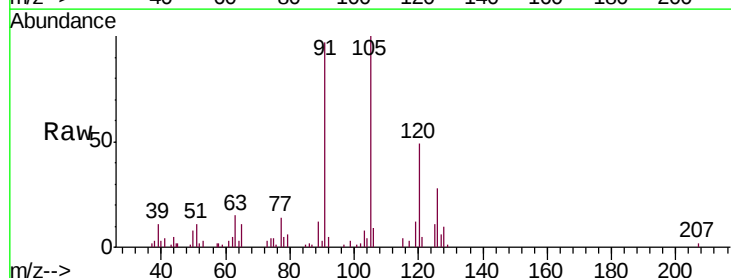
Acq: 27 Jul 2018 17:38

Tgt Ion: 91 Resp: 21355

Ion Ratio Lower Upper

91 100

126 30.3 15.3 45.9

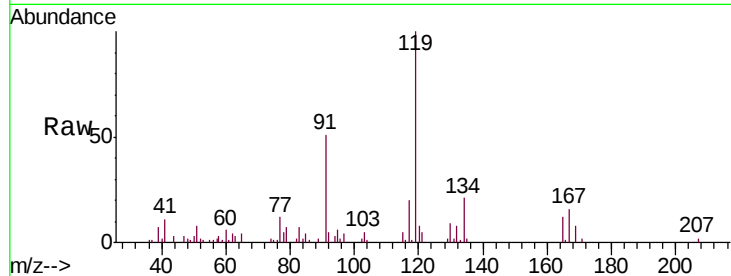




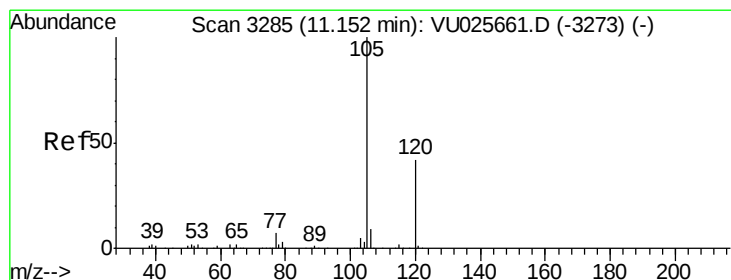
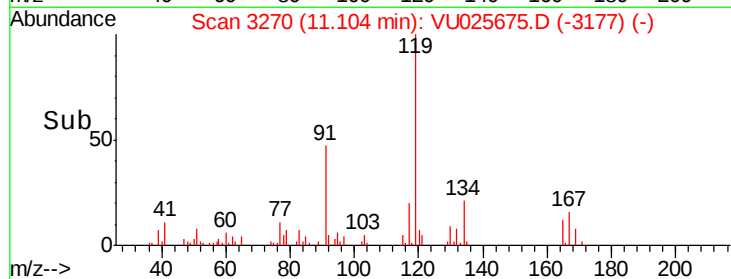
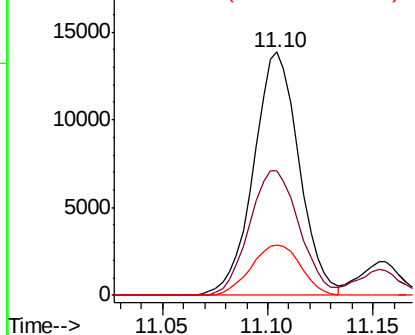
#83
 tert-Butylbenzene
 Concen: 2.52 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:119 Resp: 20798
 Ion Ratio Lower Upper
 119 100
 91 56.3 29.7 89.1
 134 22.6 11.5 34.5

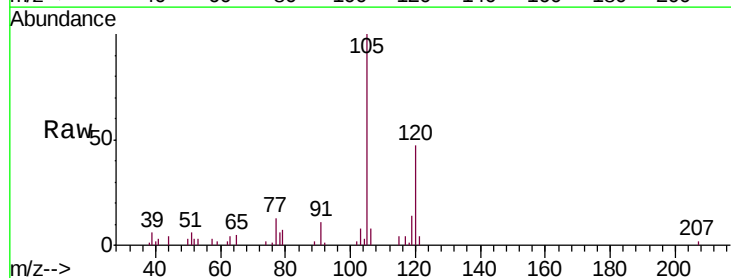


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

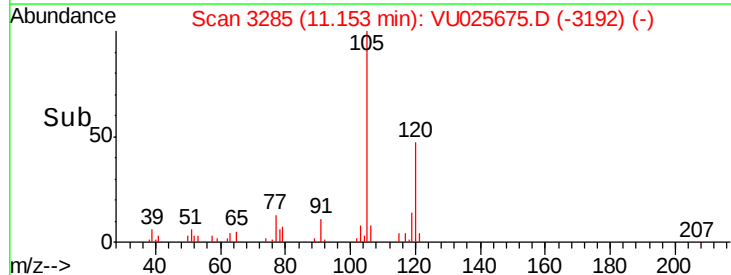
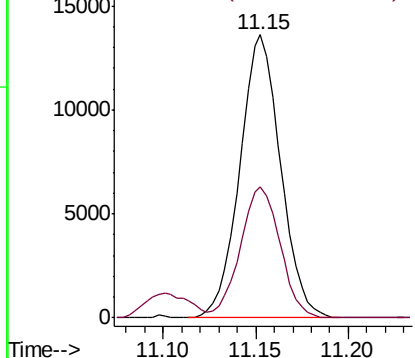


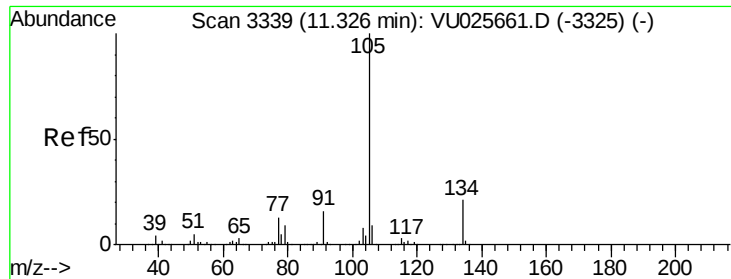
#84
 1,2,4-Trimethylbenzene
 Concen: 2.48 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion:105 Resp: 20805
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8



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

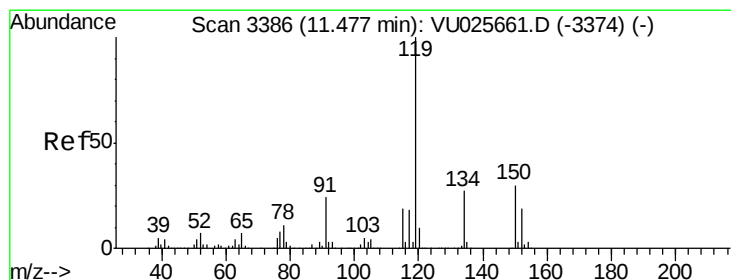
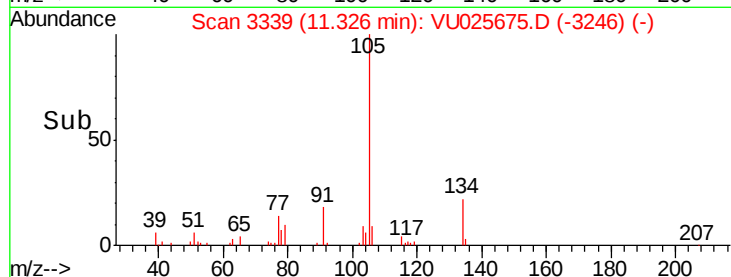
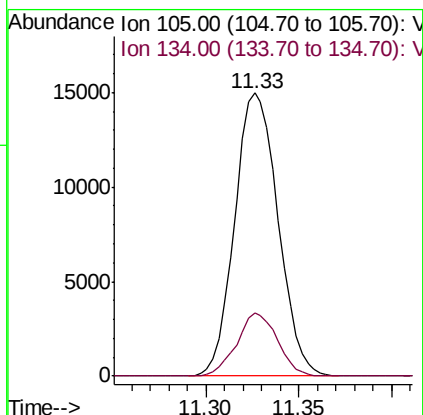
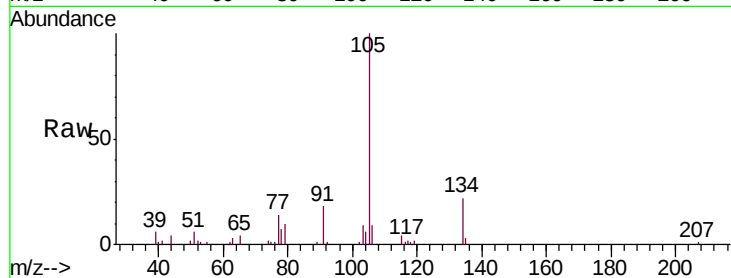




#85
 sec-Butylbenzene
 Concen: 2.41 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

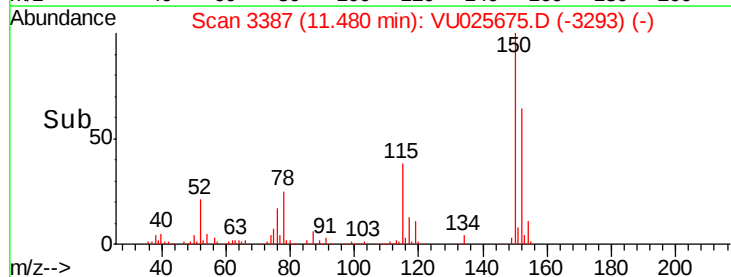
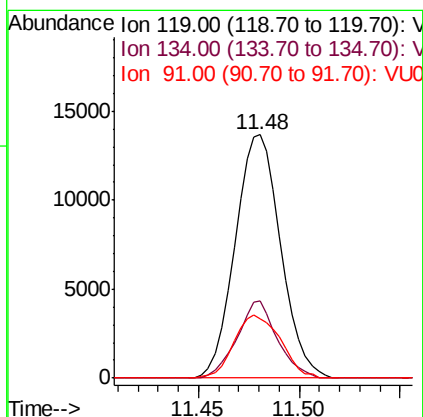
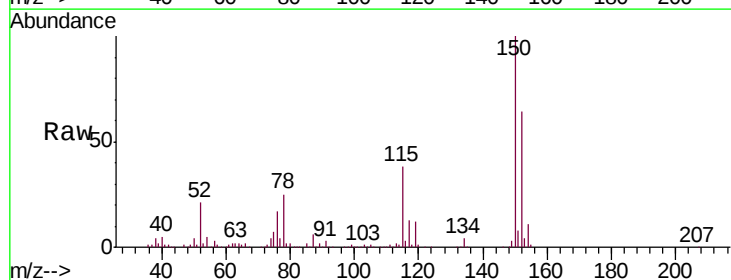
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

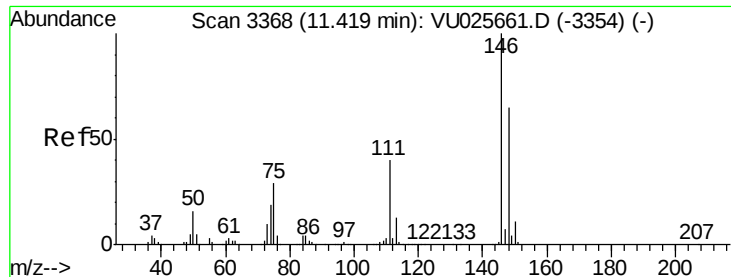
Tot Ion:105 Resp: 24261
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 2.40 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion:119 Resp: 21575
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.2 39.5
 91 26.5 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 2.58 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

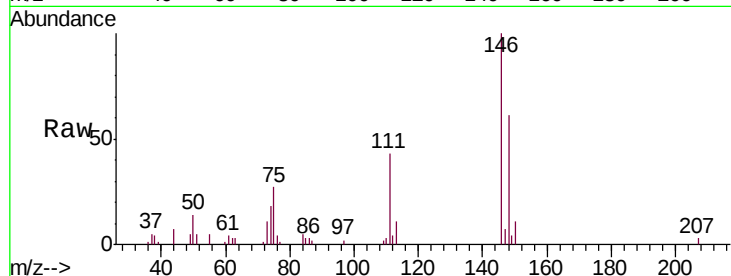
Tot Ion:146 Resp: 12899

Ion Ratio Lower Upper

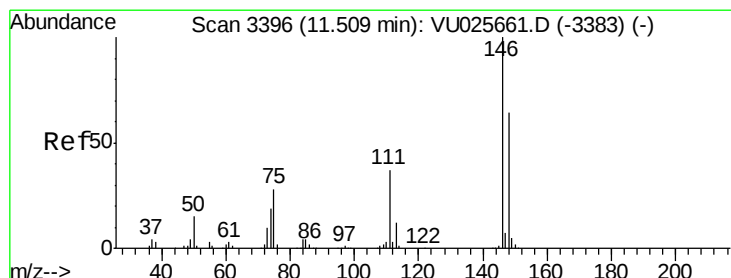
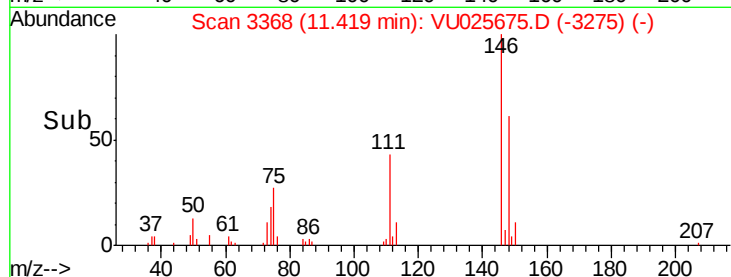
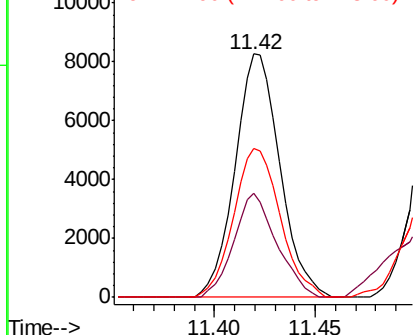
146 100

111 40.8 19.7 59.1

148 63.3 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: 2.56 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

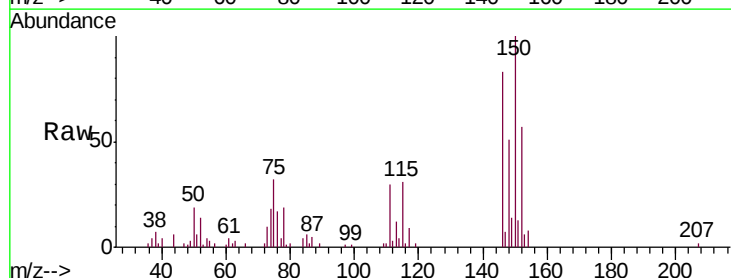
Tgt Ion:146 Resp: 13338

Ion Ratio Lower Upper

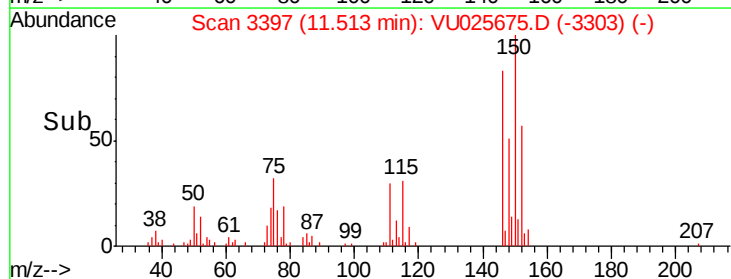
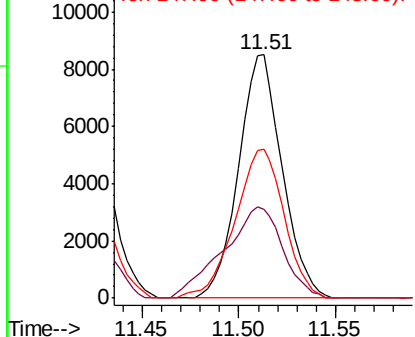
146 100

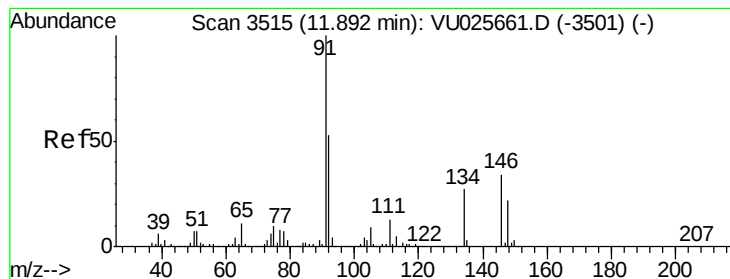
111 51.0 19.4 58.1

148 68.7 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: 2.35 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025675.D

Acq: 27 Jul 2018 17:38

Instrument:

MSVOA_U

ClientSampleId:

LOD-MDL-WATER-01-QT3-2018

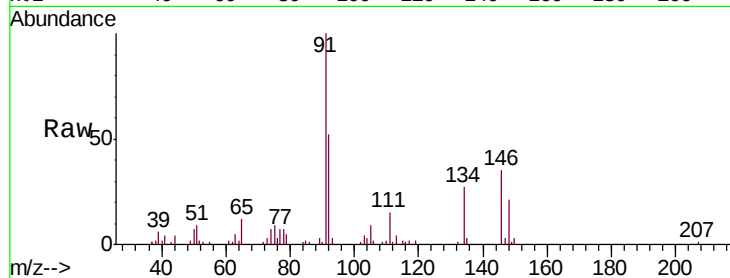
Tot Ion: 91 Resp: 19495

Ion Ratio Lower Upper

91 100

92 50.4 26.5 79.5

134 26.5 13.6 40.7

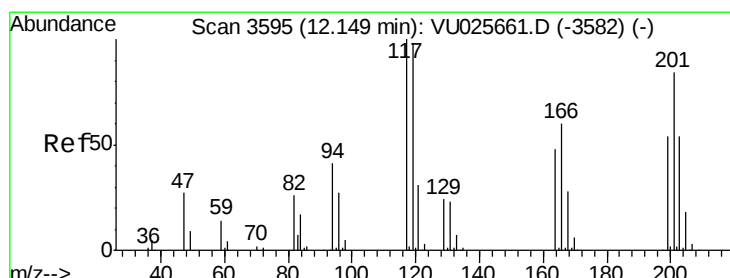
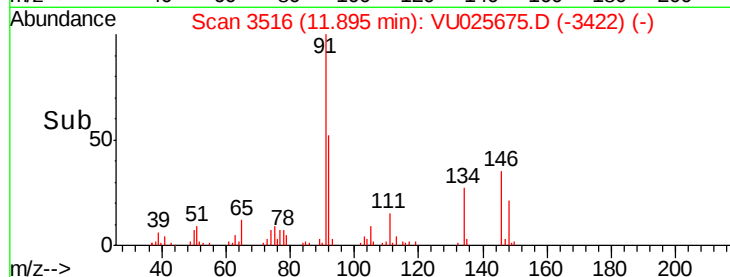


Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3501) (-)

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: 2.21 ug/l

RT: 12.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VU025675.D

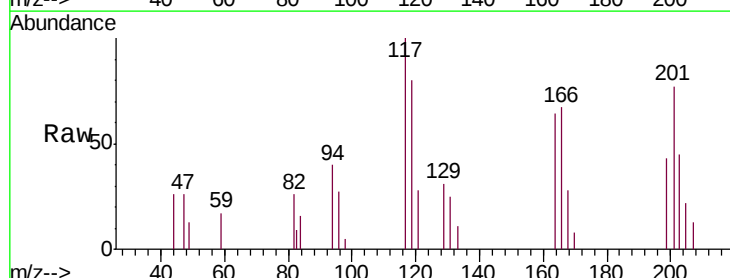
Acq: 27 Jul 2018 17:38

Tgt Ion: 117 Resp: 3544

Ion Ratio Lower Upper

117 100

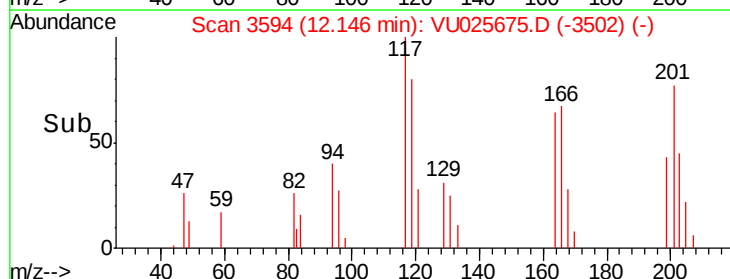
201 89.1 42.5 127.6

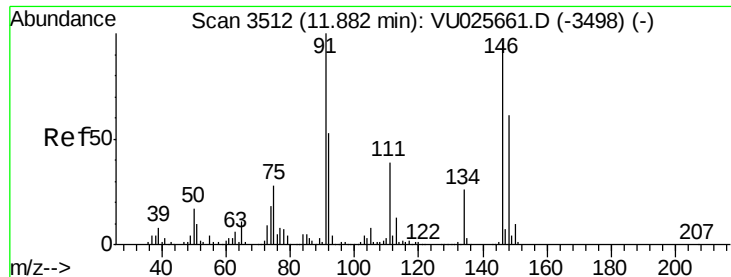


Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-3582) (-)

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

Time-->

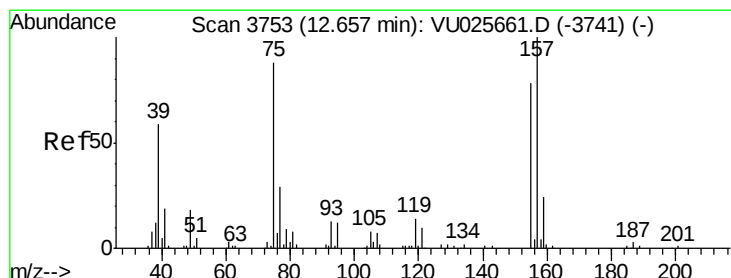
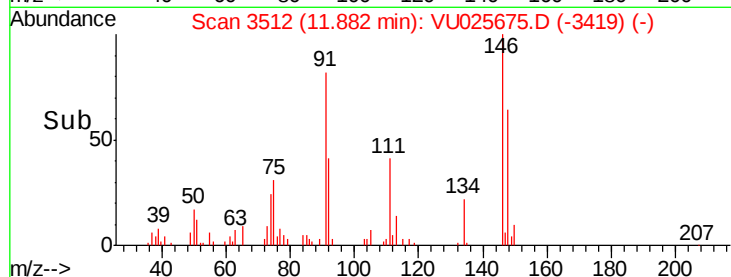
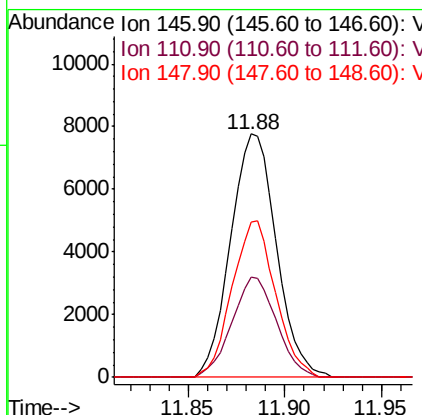
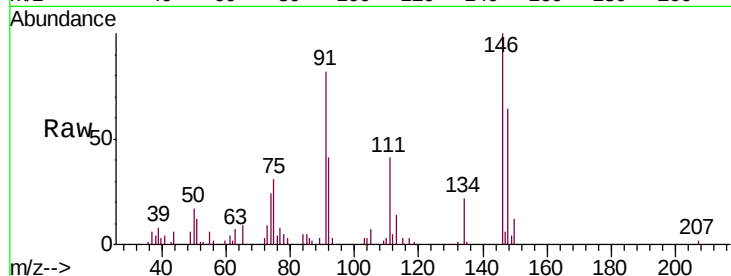




#91
 1,2-Dichlorobenzene
 Concen: 2.61 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

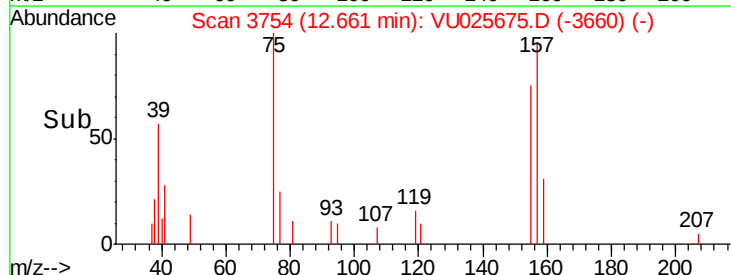
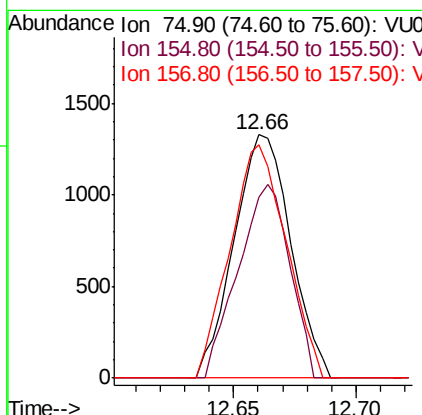
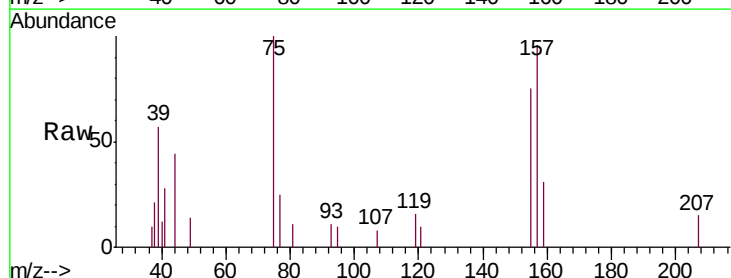
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

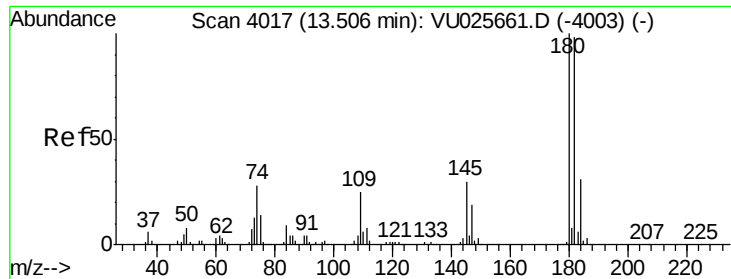
Tot Ion:146 Resp: 12782
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.6 61.8
 148 60.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.67 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion: 75 Resp: 2139
 Ion Ratio Lower Upper
 75 100
 155 72.7 44.5 133.3
 157 95.0 57.0 170.8

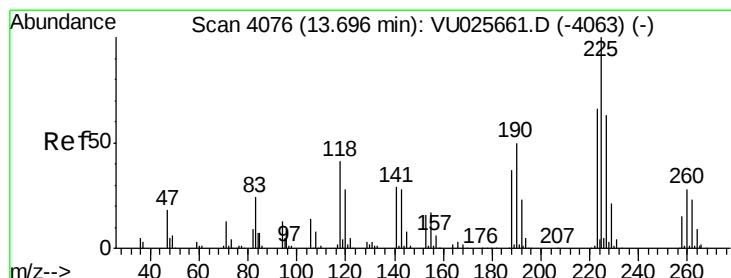
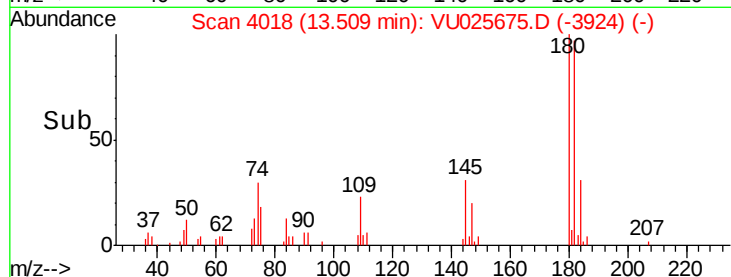
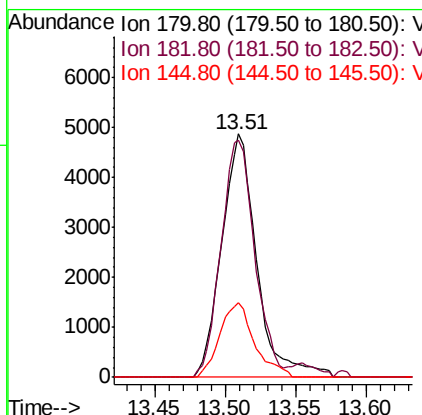
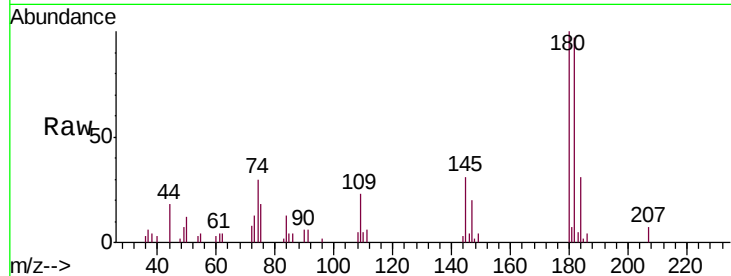




#93
 1,2,4-Trichlorobenzene
 Concen: 2.55 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

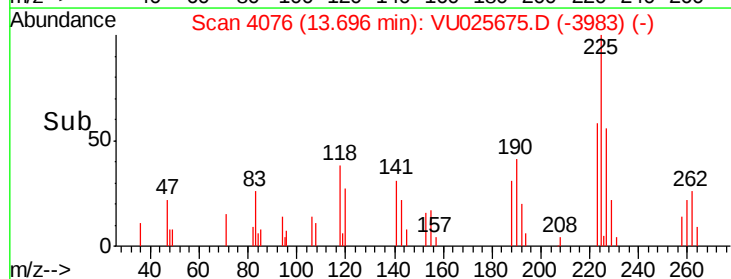
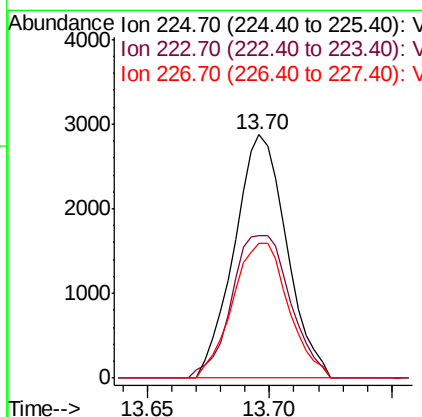
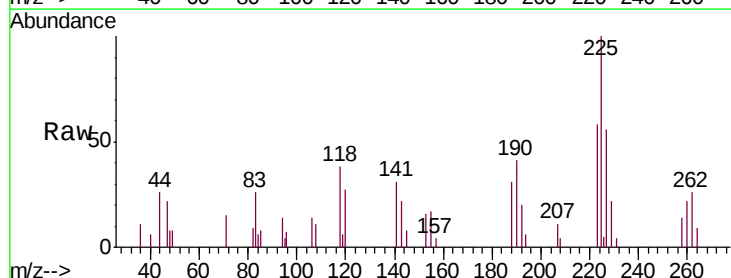
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

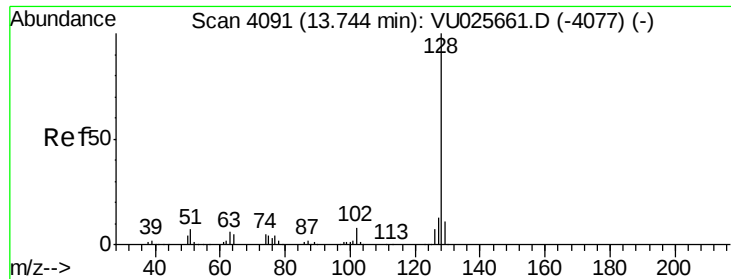
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	30.3	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 2.44 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025675.D
 Acq: 27 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.9	95.7
227	59.3	32.3	96.9

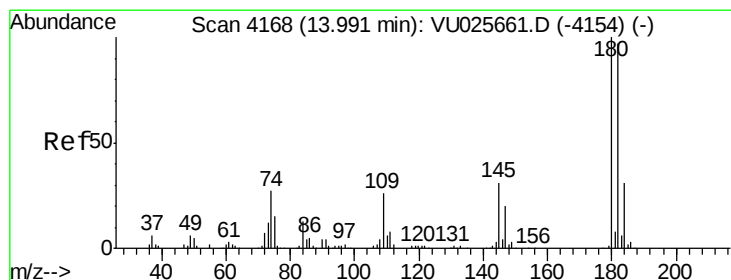
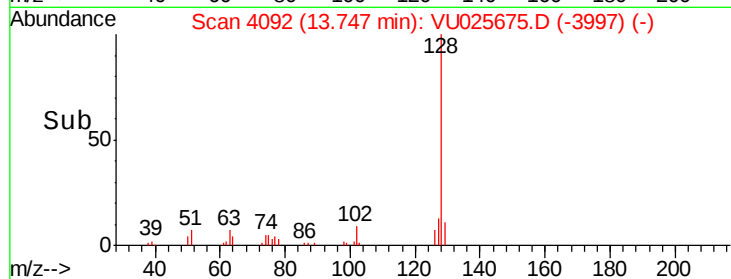
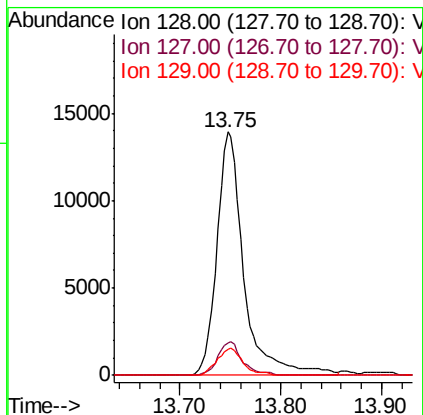
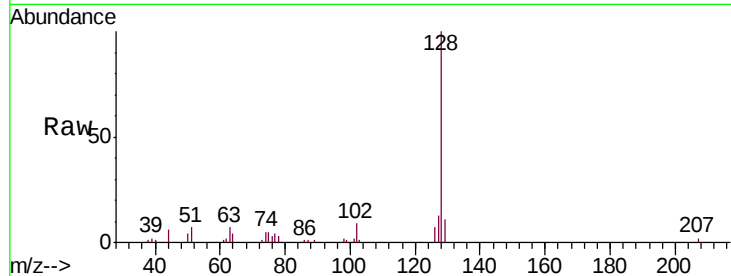




#95
Naphthalene
Concen: 3.64 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:128 Resp: 25983
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 2.50 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025675.D
Acq: 27 Jul 2018 17:38

Tgt Ion:180 Resp: 8257
Ion Ratio Lower Upper
180 100
182 95.3 47.8 143.3
145 30.3 15.6 46.8

