

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025667.D
 Acq On : 27 Jul 2018 14:24
 Operator : MD/SY
 Sample : J3762-07 LOD/MDL 0.2PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 28 03:36:22 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	166441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253621	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	244640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	138890	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	133884	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	4.89	113	107232	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	7.57	98	369803	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	10.31	95	134453	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	567	0.23	ug/l	89
3) Chloromethane	1.33	50	798	0.33	ug/l	# 75
4) Vinyl Chloride	1.40	62	512	0.23	ug/l	93
5) Bromomethane	1.63	94	309	0.28	ug/l	92
7) Trichlorofluoromethane	1.89	101	668	0.20	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.28	101	609	0.32	ug/l	94
10) Methyl Iodide	2.41	142	278	8.73	ug/l	# 39
11) Tert butyl alcohol	2.84	59	1130	1.99	ug/l	# 73
12) 1,1-Dichloroethene	2.28	96	522	0.29	ug/l	82
13) Acrolein	2.19	56	460	0.21	ug/l	# 70
14) Allyl chloride	2.59	41	683	0.21	ug/l	# 90
15) Acrylonitrile	2.94	53	1238	1.09	ug/l	# 82
16) Acetone	2.33	43	1973	1.56	ug/l	# 82
17) Carbon Disulfide	2.48	76	3588	0.62	ug/l	# 91
18) Methyl Acetate	2.62	43	698	0.23	ug/l	# 52
20) Methylene Chloride	2.70	84	656	0.29	ug/l	# 89
21) trans-1,2-Dichloroethene	2.98	96	678	0.33	ug/l	85
23) Vinyl Acetate	3.54	43	4413	0.80	ug/l	# 92
25) 2-Butanone	4.27	43	1492	0.87	ug/l	92
26) 2,2-Dichloropropane	4.23	77	872	0.25	ug/l	# 58
27) cis-1,2-Dichloroethene	4.23	96	558	0.24	ug/l	88
29) Tetrahydrofuran	4.65	42	955	0.93	ug/l	93
31) Cyclohexane	5.00	56	4169	Below Cal		# 37
36) 1,1-Dichloropropene	5.14	75	750	0.25	ug/l	# 73
39) Methylcyclohexane	6.43	83	1059	0.31	ug/l	# 78
40) Benzene	5.40	78	1824	0.21	ug/l	# 87
44) Trichloroethene	6.19	130	860	0.36	ug/l	96
49) 1,4-Dioxane	6.62	88	177	2.92	ug/l	# 59
51) 4-Methyl-2-Pentanone	7.47	43	2620	0.82	ug/l	97
52) Toluene	7.64	92	1078	0.20	ug/l	82
58) 2-Chloroethyl Vinyl ether	7.14	63	793	7.61	ug/l	# 58
59) 2-Hexanone	8.37	43	2145	0.86	ug/l	96
64) Tetrachloroethene	8.23	164	735	0.34	ug/l	# 82
65) Chlorobenzene	9.12	112	1623	0.26	ug/l	89

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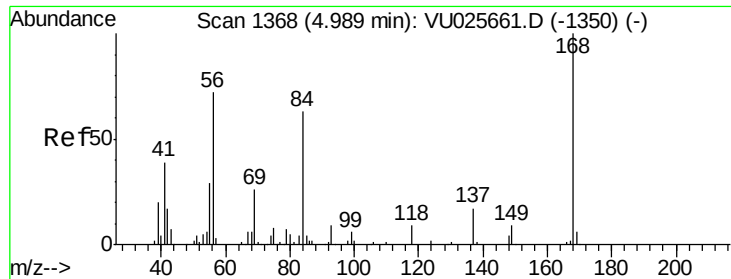
Instrument :
 MSVOA_U
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 LOD-MDL-WATER-01-QT3-2018

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

67) Ethyl Benzene	9.26	91	2349	0.22	ug/l	91
68) m/p-Xylenes	9.38	106	1352	0.34	ug/l #	58
70) Styrene	9.80	104	1273	0.20	ug/l	96
73) Isopropylbenzene	10.17	105	2081	0.22	ug/l	92
74) N-amyl acetate	10.02	43	933	0.24	ug/l #	64
76) 1,2,3-Trichloropropane	10.31	75	70776	23.13	ug/l #	36
77) Bromobenzene	10.46	156	558	0.21	ug/l	69
78) n-propylbenzene	10.59	91	2651	0.24	ug/l	98
79) 2-Chlorotoluene	10.66	91	1620	0.25	ug/l	80
80) 1,3,5-Trimethylbenzene	10.78	105	1663	0.21	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.31	75	70776	57.99	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2218	0.29	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1700	0.21	ug/l	97
85) sec-Butylbenzene	11.33	105	2308	0.24	ug/l	95
86) p-Isopropyltoluene	11.48	119	2287	0.26	ug/l #	80
87) 1,3-Dichlorobenzene	11.43	146	1778	0.37	ug/l	96
88) 1,4-Dichlorobenzene	11.43	146	1778	0.35	ug/l	97
89) n-Butylbenzene	11.90	91	2359	0.29	ug/l	95
91) 1,2-Dichlorobenzene	11.89	146	1360	0.29	ug/l	86
93) 1,2,4-Trichlorobenzene	13.51	180	1063	0.33	ug/l	83
94) Hexachlorobutadiene	13.70	225	622	0.37	ug/l	81
95) Naphthalene	13.75	128	2296	1.47	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.99	180	959	0.30	ug/l #	81

(#) = 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: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

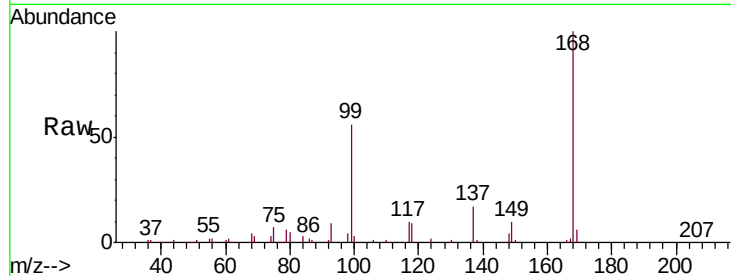
LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 166441

Ion Ratio Lower Upper

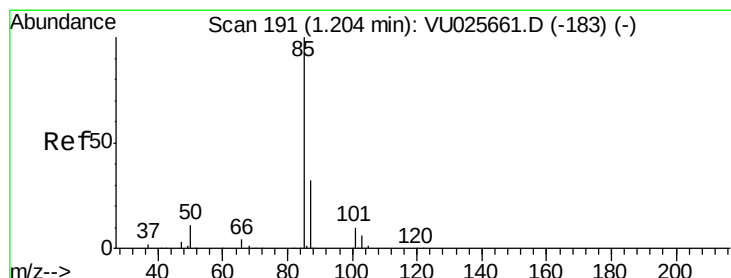
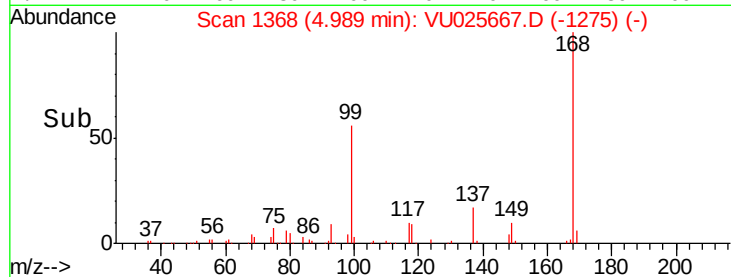
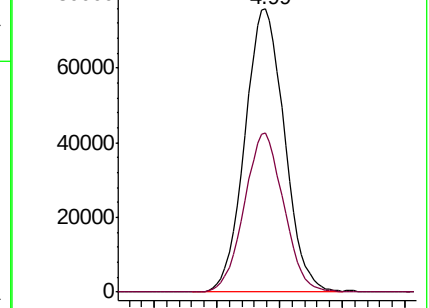
168 100

99 55.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 0.23 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025667.D

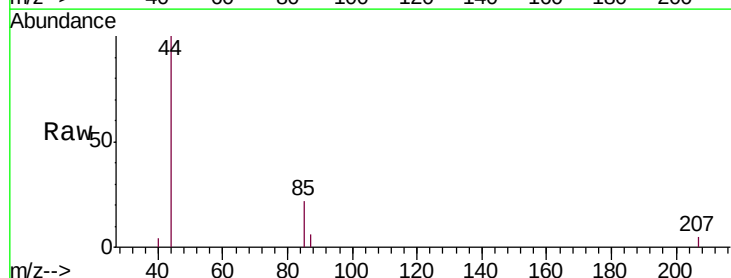
Acq: 27 Jul 2018 14:24

Tgt Ion: 85 Resp: 567

Ion Ratio Lower Upper

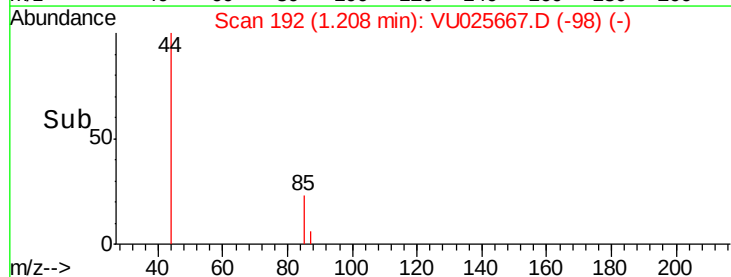
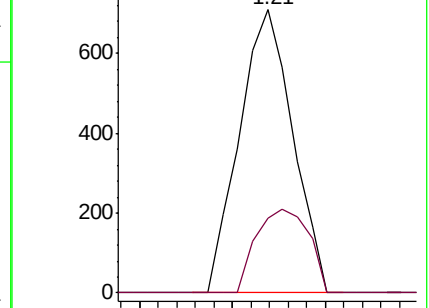
85 100

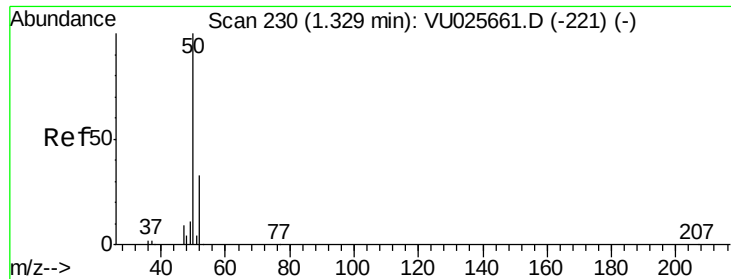
87 26.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 0.33 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

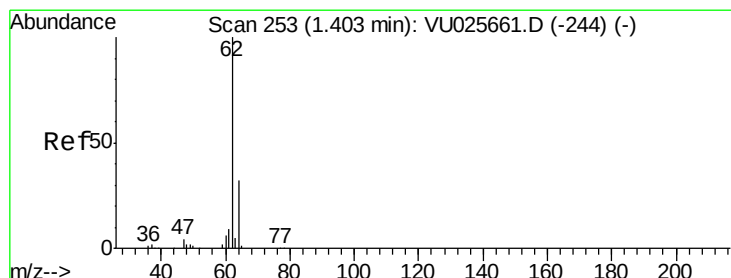
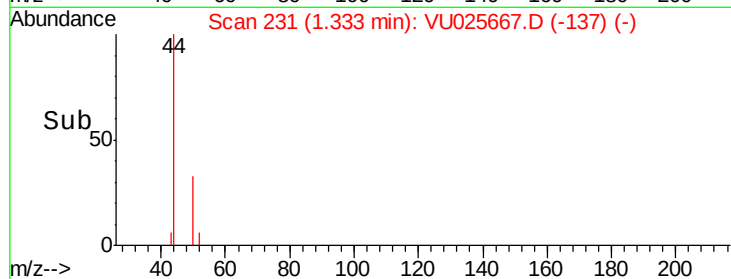
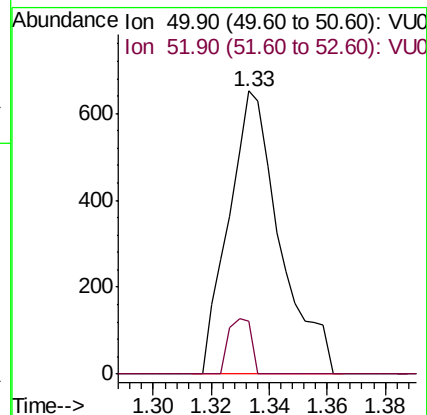
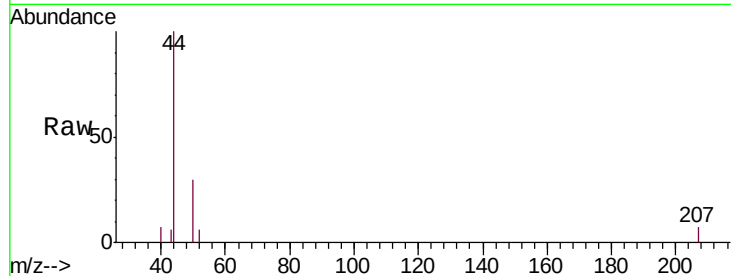
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 798

Ion Ratio Lower Upper

50 100

52 18.9 26.5 39.7#



#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025667.D

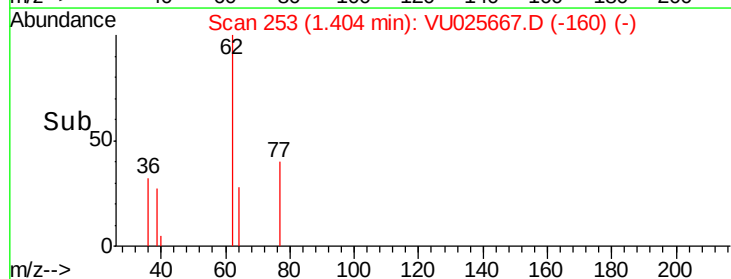
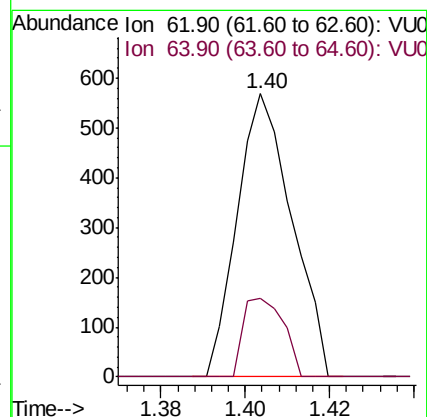
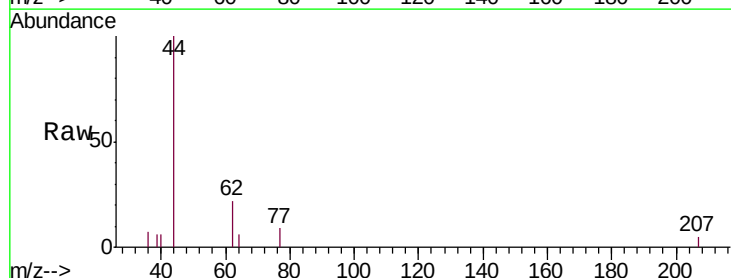
Acq: 27 Jul 2018 14:24

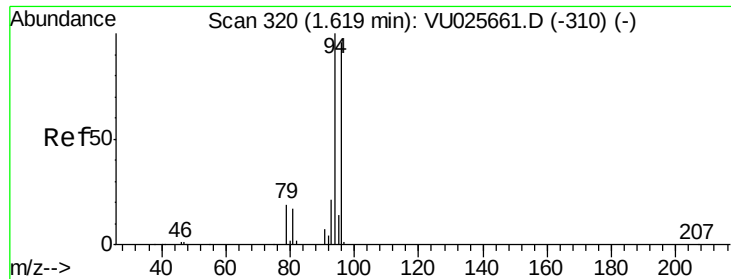
Tgt Ion: 62 Resp: 512

Ion Ratio Lower Upper

62 100

64 27.8 25.4 38.0





#5

Bromomethane

Concen: 0.28 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

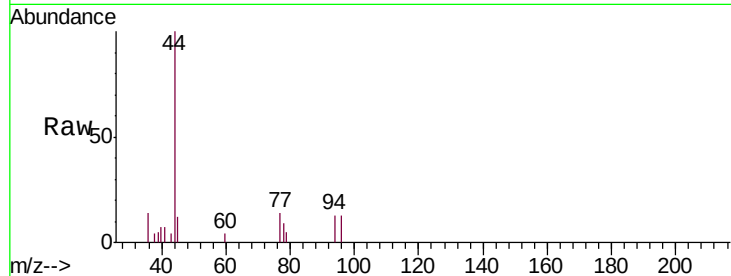
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 100.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025667.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025667.D (-310) (-)

1.63

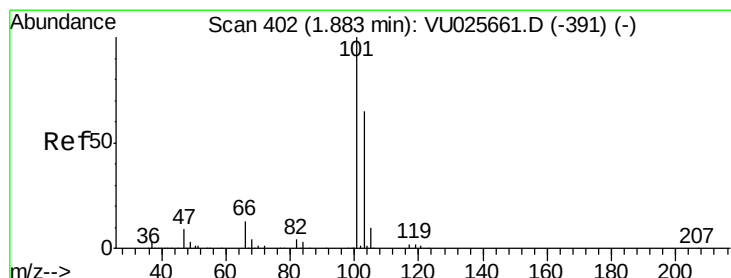
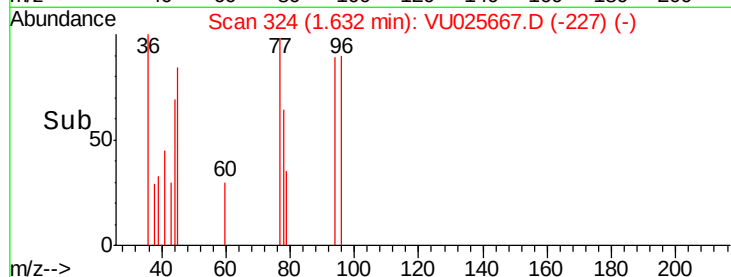
300

200

100

0

Time--> 1.60 1.62 1.64



#7

Trichlorofluoromethane

Concen: 0.20 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025667.D

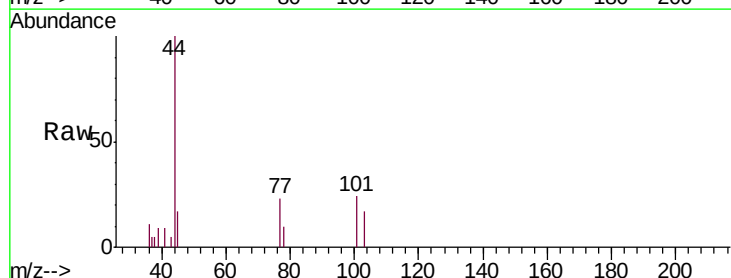
Acq: 27 Jul 2018 14:24

Tgt Ion: 101 Resp: 668

Ion Ratio Lower Upper

101 100

103 72.9 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): VU025667.D (-391) (-)

Ion 102.80 (102.50 to 103.50): VU025667.D (-391) (-)

600

500

400

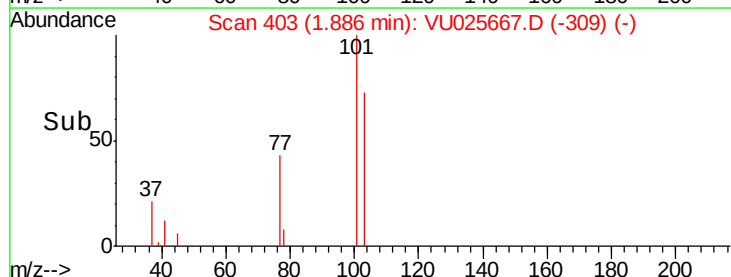
300

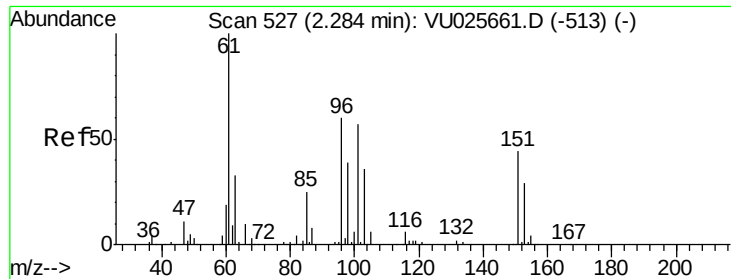
200

100

0

Time--> 1.86 1.88 1.90 1.92





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.32 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

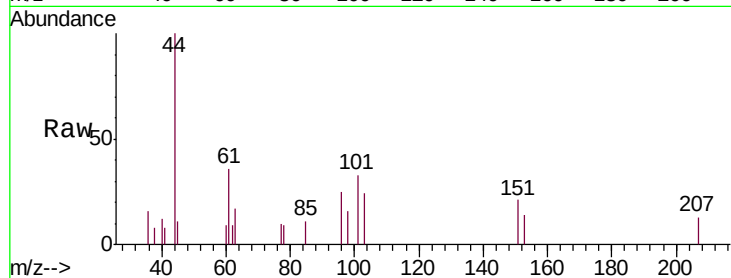
Tot Ion:101 Resp: 609

Ion Ratio Lower Upper

101 100

85 37.3 36.0 54.0

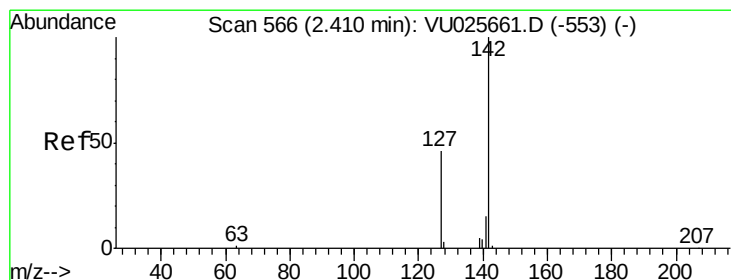
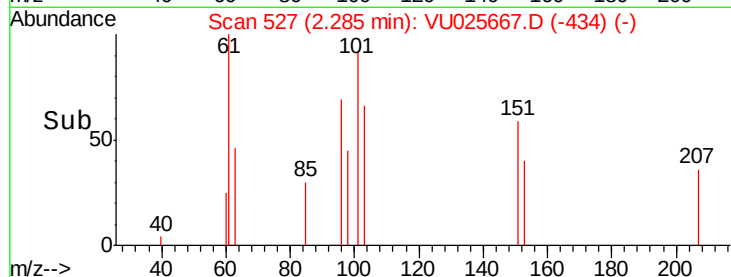
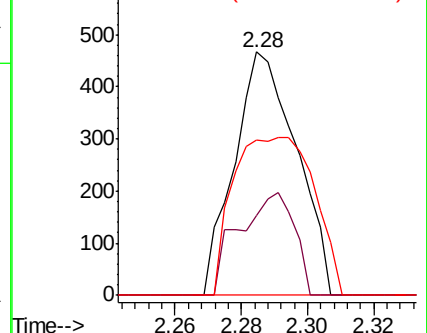
151 84.7 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.73 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

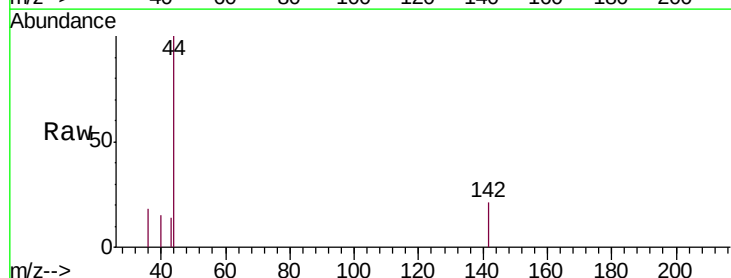
Tgt Ion:142 Resp: 278

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

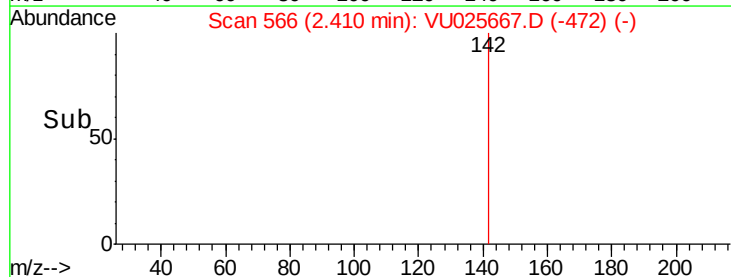
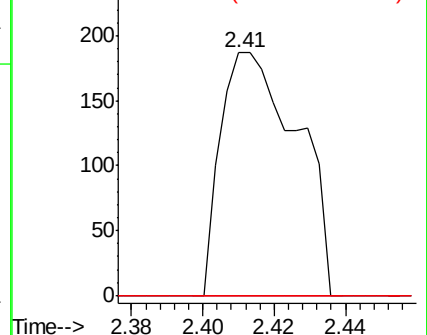
141 0.0 11.4 17.2#

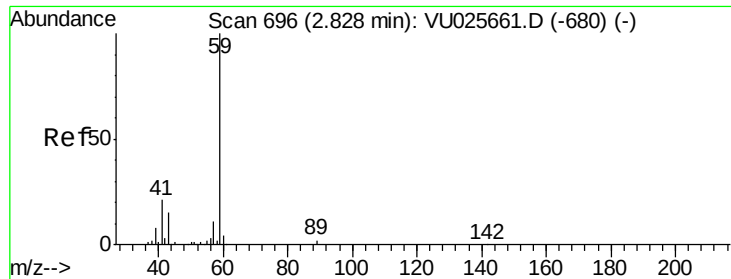


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



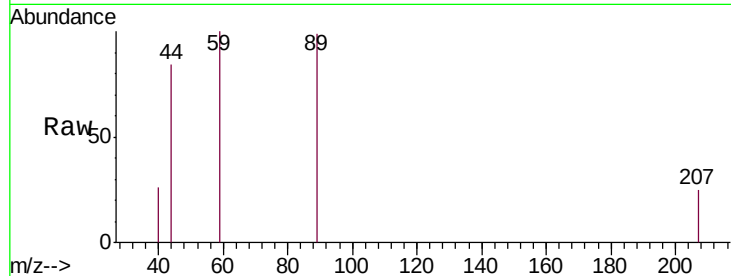


#11

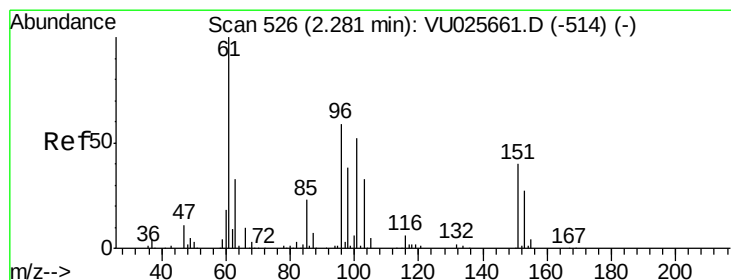
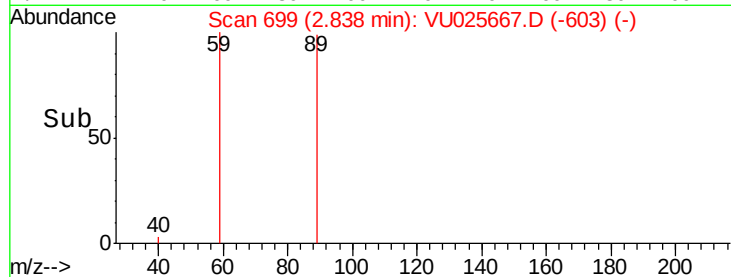
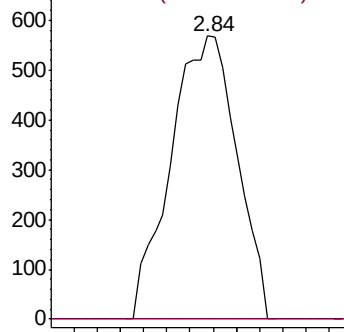
Tert butyl alcohol
 Concen: 1.99 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

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

Tot Ion: 59 Resp: 1130
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



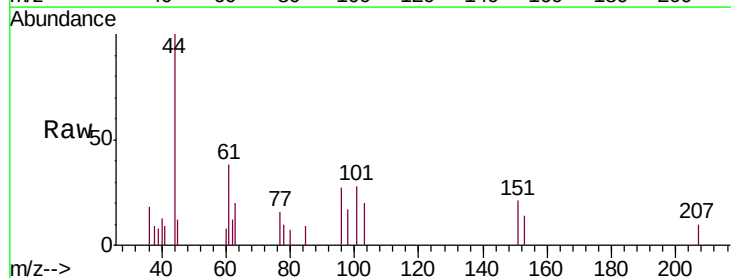
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



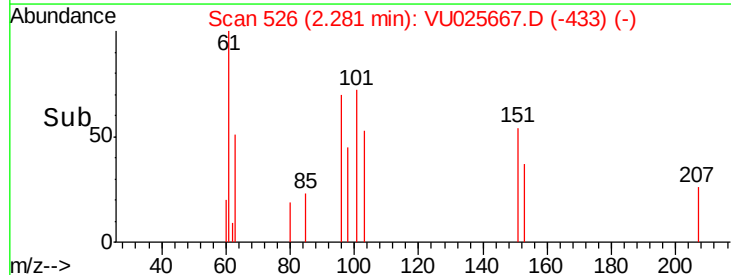
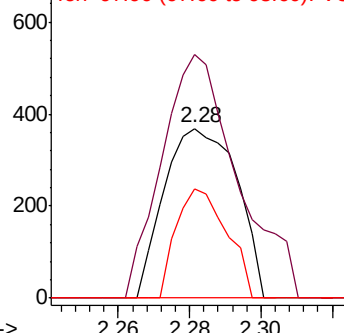
#12

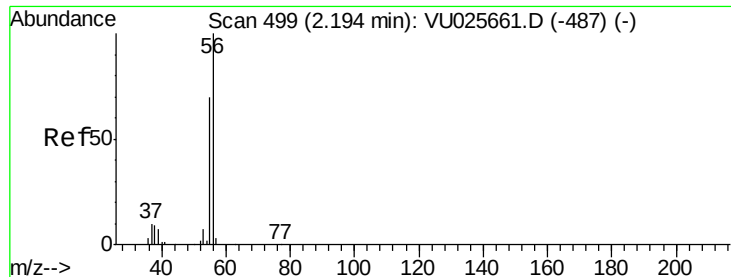
1,1-Dichloroethene
 Concen: 0.29 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 96 Resp: 522
 Ion Ratio Lower Upper
 96 100
 61 143.4 140.2 210.4
 98 64.5 49.3 73.9



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





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

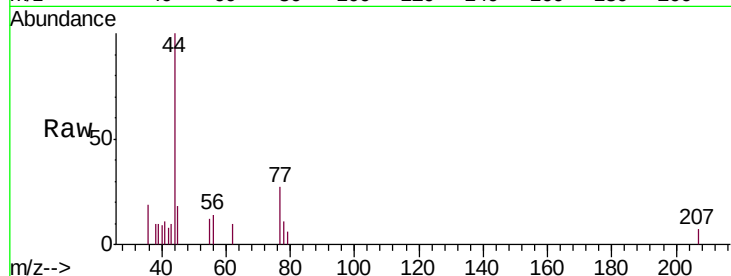
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 460

Ion Ratio Lower Upper

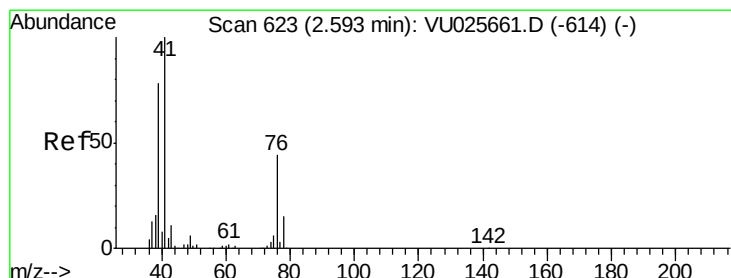
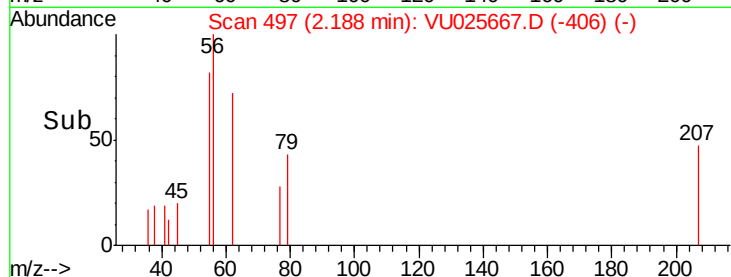
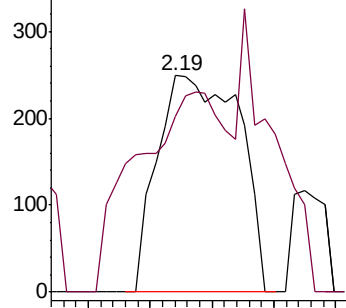
56 100

55 96.5 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 0.21 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

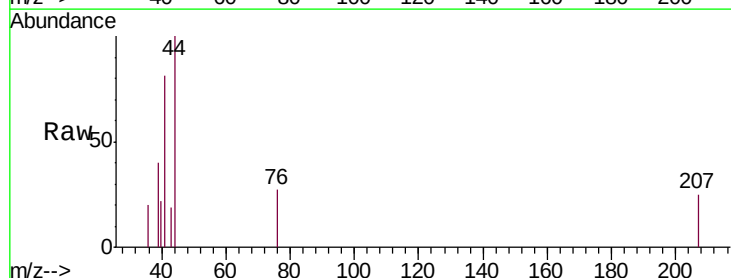
Tgt Ion: 41 Resp: 683

Ion Ratio Lower Upper

41 100

39 69.5 60.6 91.0

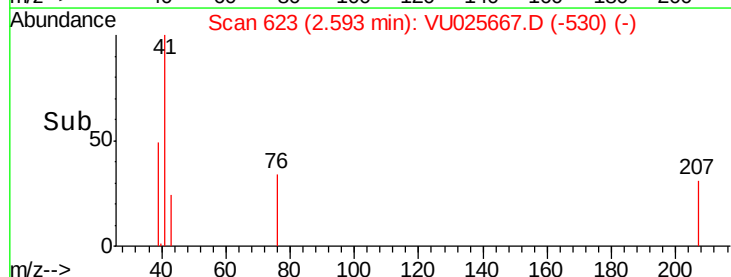
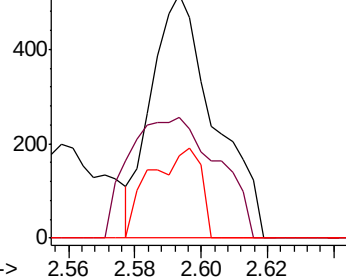
76 29.6 30.5 45.7#

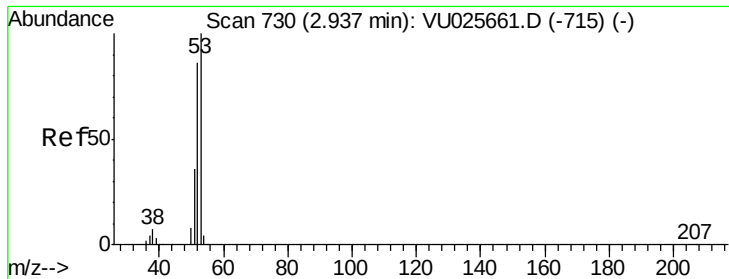


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 1.09 ug/l

RT: 2.94 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

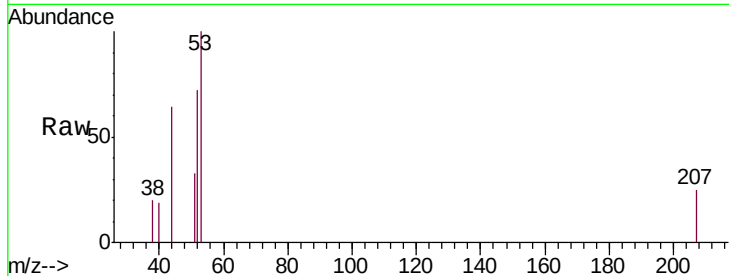
Tot Ion: 53 Resp: 1238

Ion Ratio Lower Upper

53 100

52 69.9 66.6 99.8

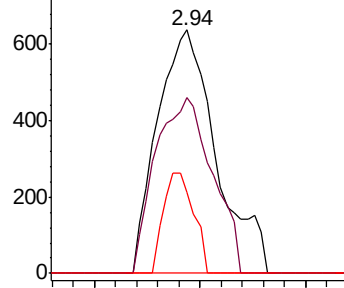
51 20.9 29.4 44.2#



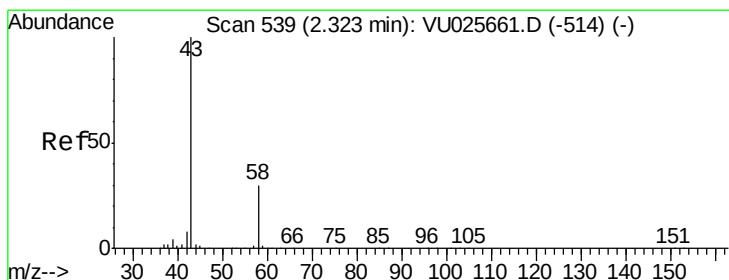
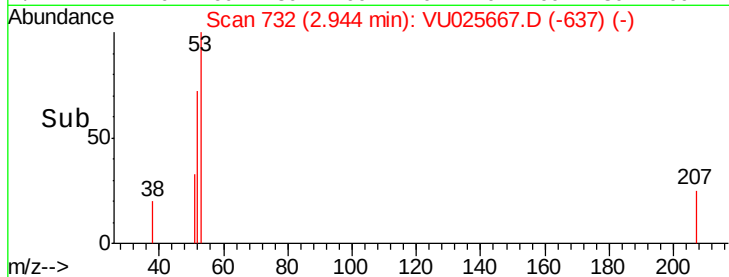
Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->



#16

Acetone

Concen: 1.56 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025667.D

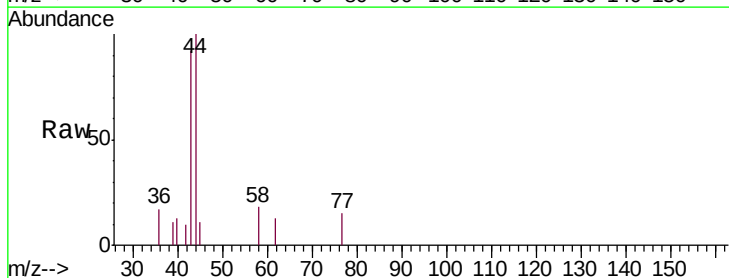
Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

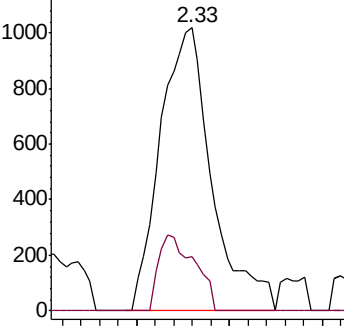
43 100

58 19.3 23.1 34.7#

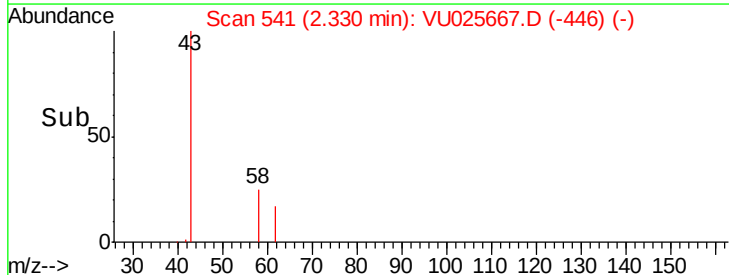


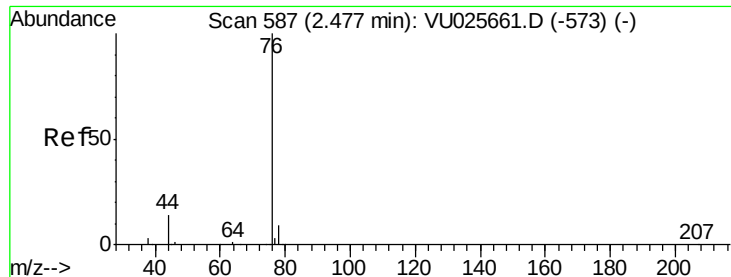
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#17

Carbon Disulfide

Concen: 0.62 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

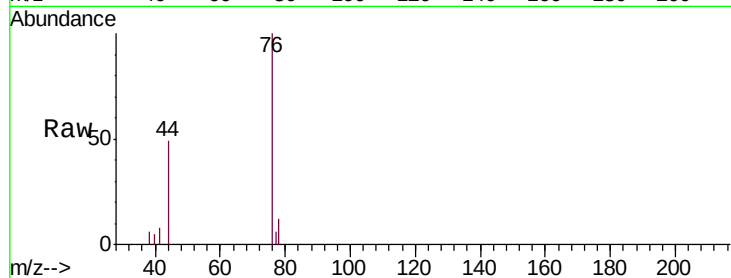
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 76 Resp: 3588

Ion Ratio Lower Upper

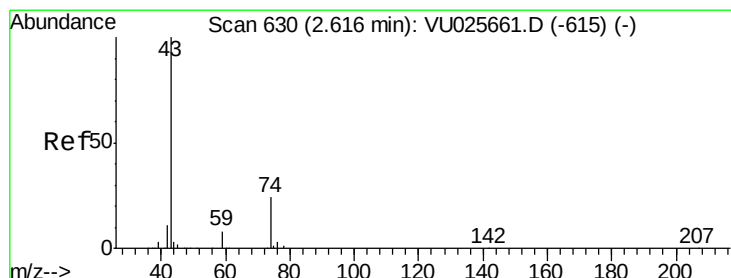
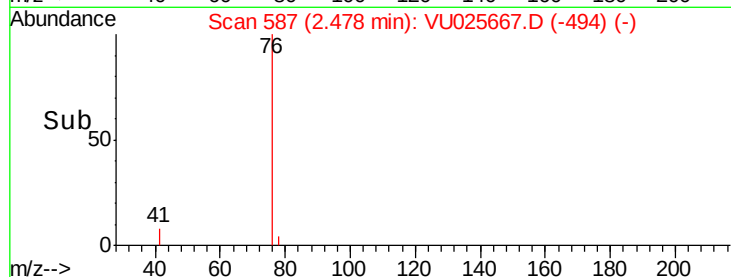
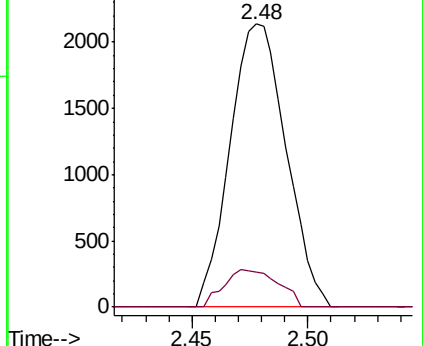
76 100

78 12.4 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU025667.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025667.D (-573) (-)



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025667.D

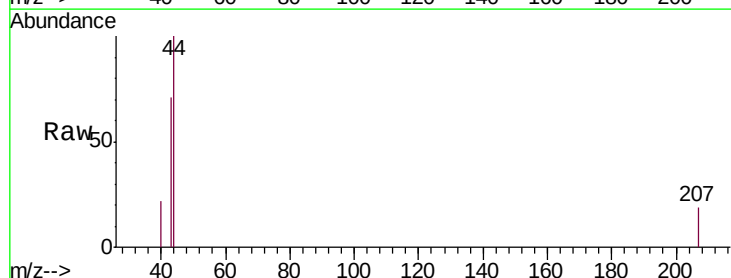
Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

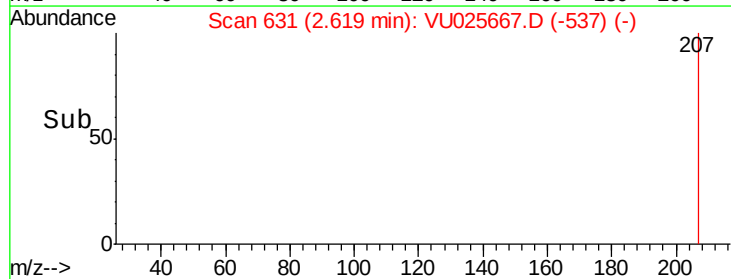
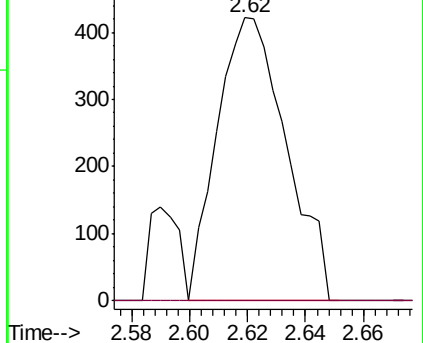
43 100

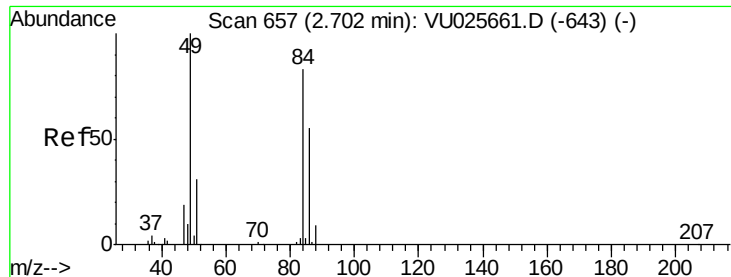
74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU025667.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025667.D (-537) (-)





#20

Methylene Chloride

Concen: 0.29 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 84 Resp: 656

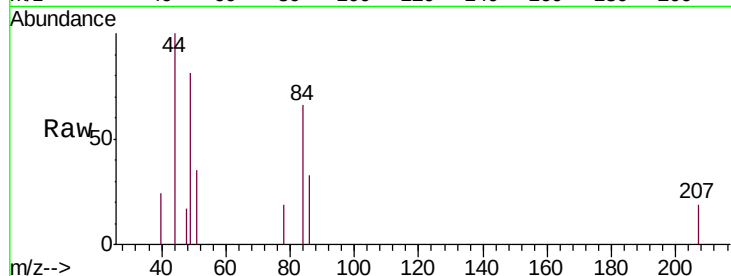
Ion Ratio Lower Upper

84 100

49 123.0 101.8 152.6

51 54.0 30.8 46.2#

86 50.5 51.9 77.9#

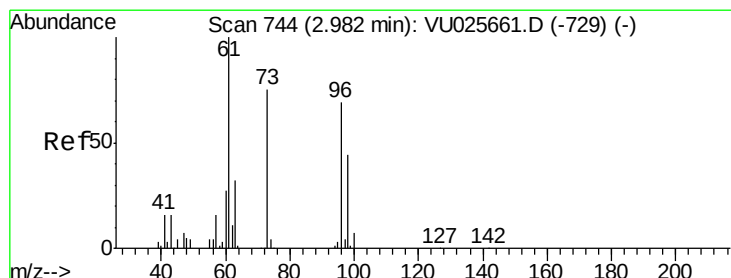
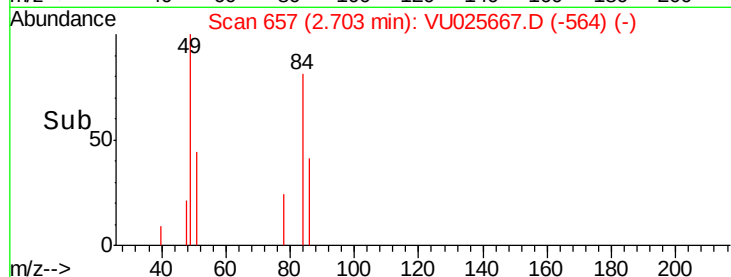
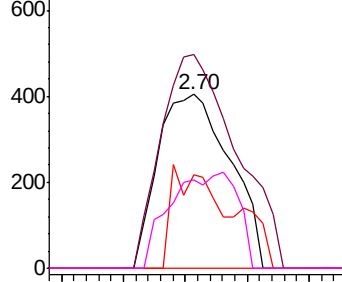


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 0.33 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

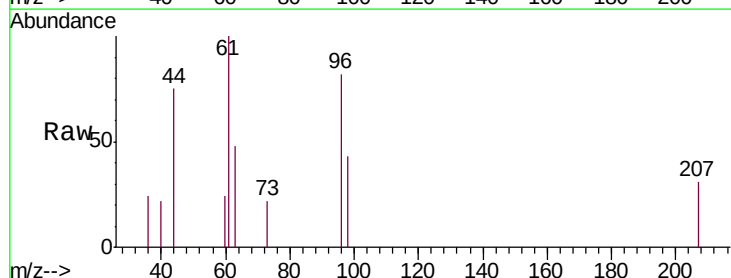
Tgt Ion: 96 Resp: 678

Ion Ratio Lower Upper

96 100

61 122.7 114.5 171.7

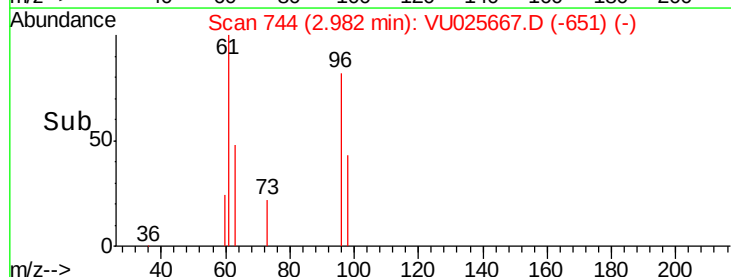
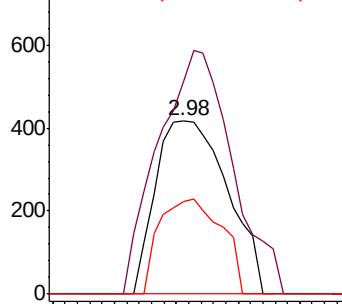
98 53.2 50.5 75.7

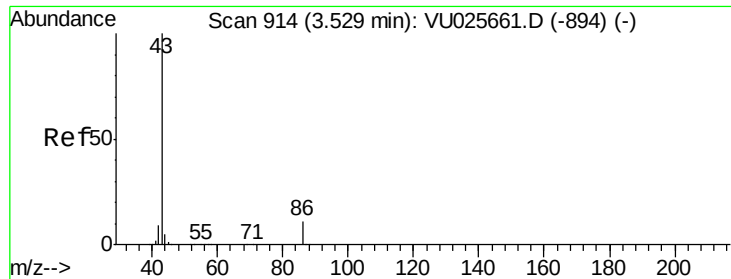


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#23

Vinyl Acetate

Concen: 0.80 ug/l

RT: 3.54 min Scan# 916

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

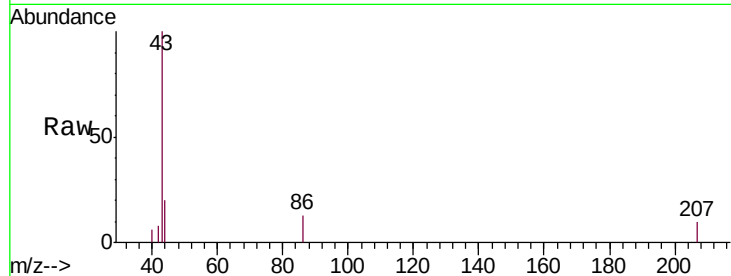
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 4413

Ion Ratio Lower Upper

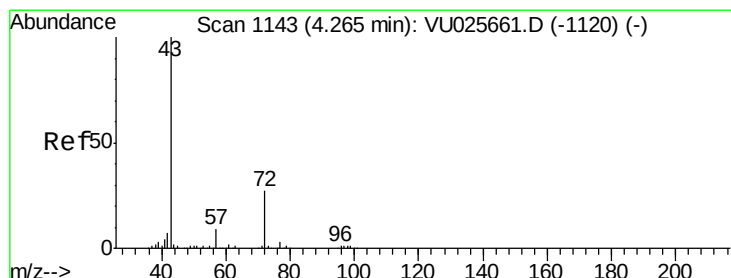
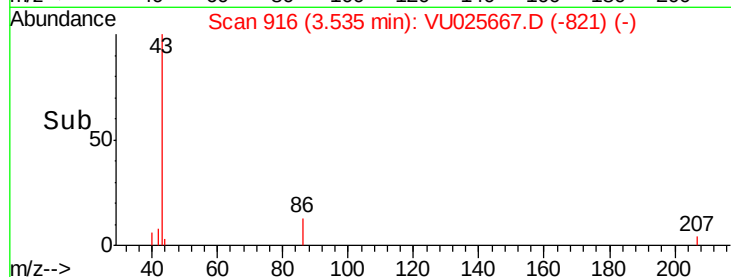
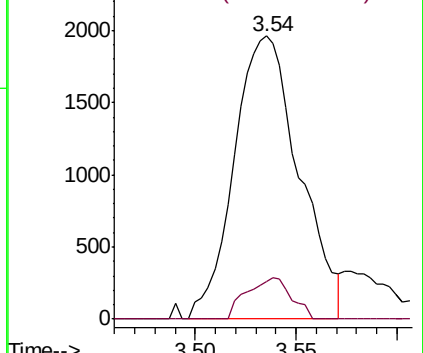
43 100

86 13.3 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#25

2-Butanone

Concen: 0.87 ug/l

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU025667.D

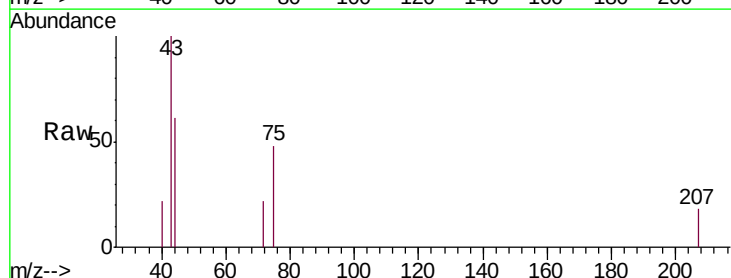
Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

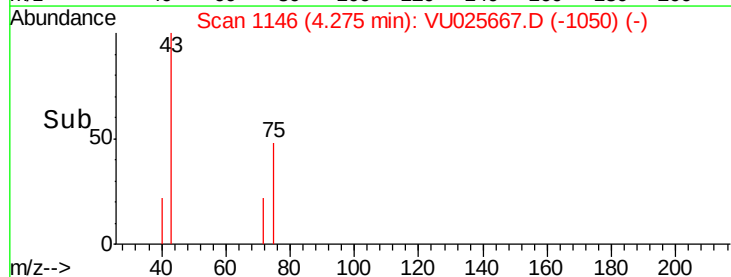
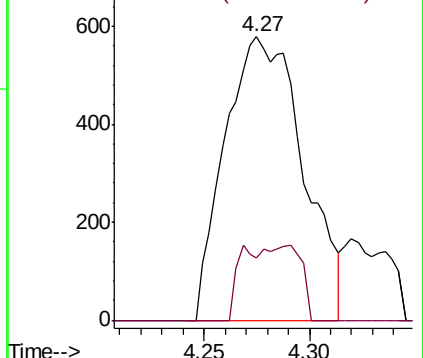
43 100

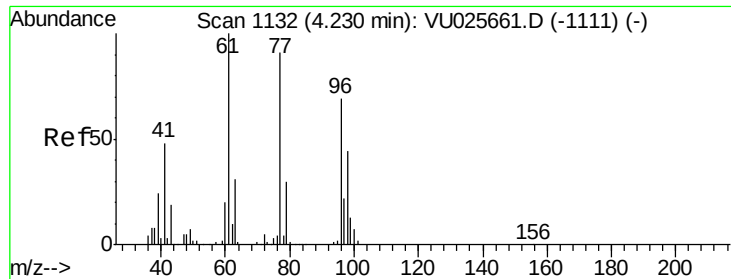
72 22.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

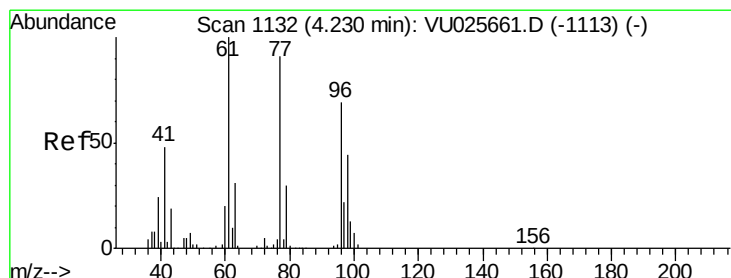
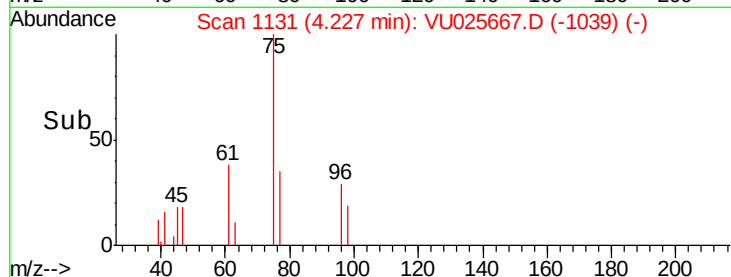
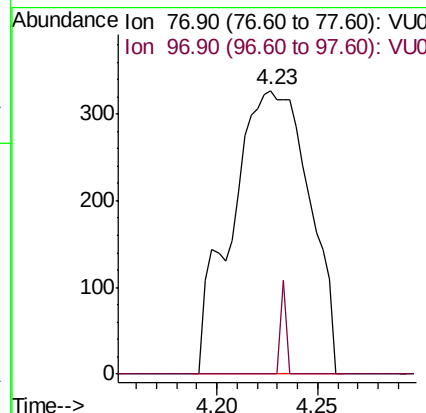
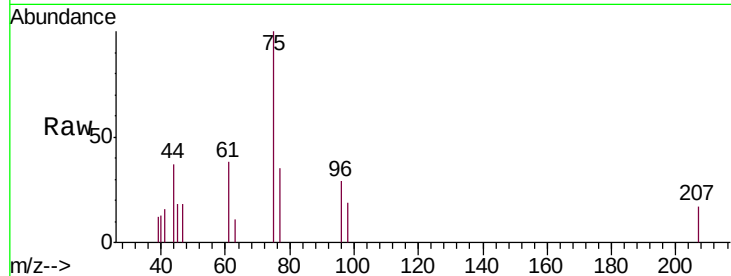




#26
 2,2-Dichloropropane
 Concen: 0.25 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

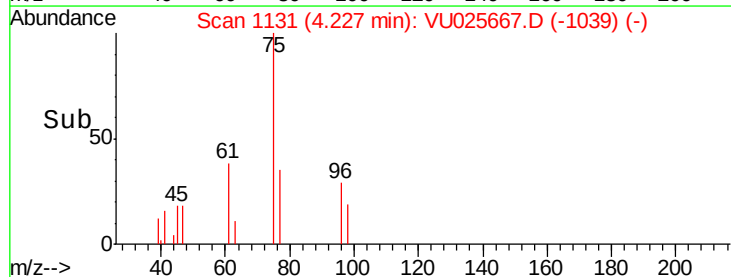
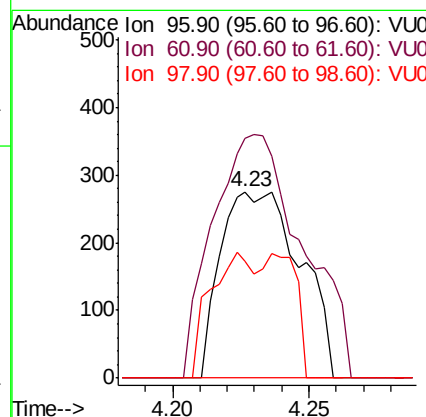
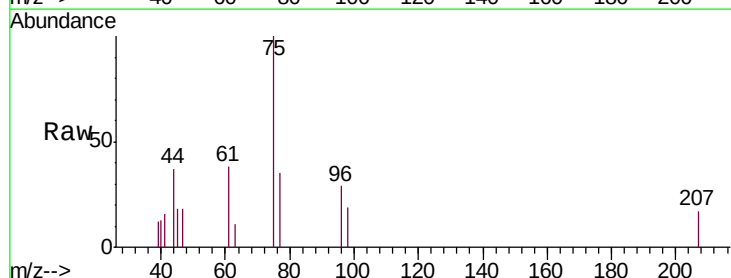
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

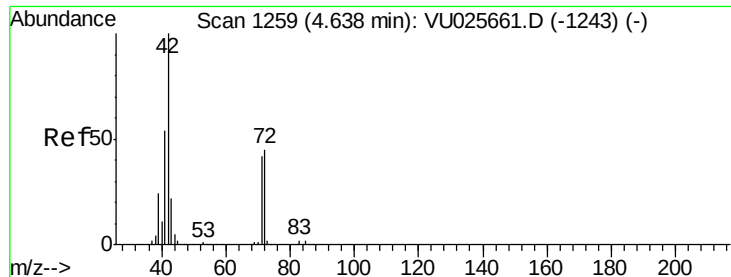
Tot Ion: 77 Resp: 872
 Ion Ratio Lower Upper
 77 100
 97 2.4 11.2 33.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.24 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 96 Resp: 558
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 299.8
 98 36.7 0.0 128.6

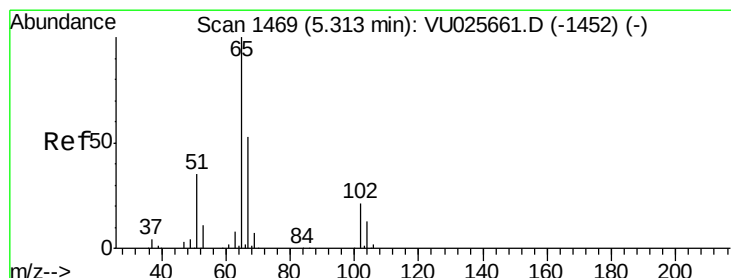
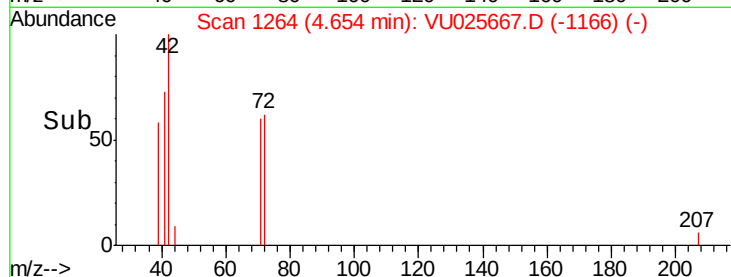
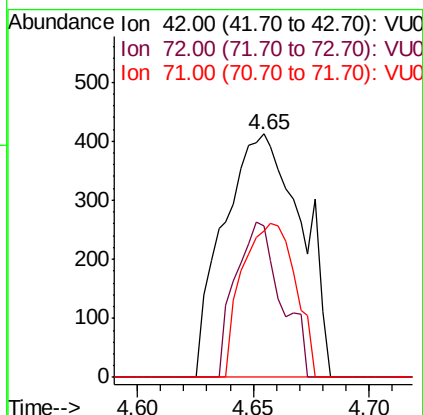
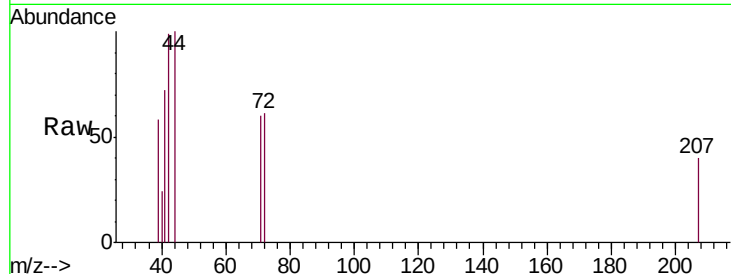




#29
Tetrahydrofuran
Concen: 0.93 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

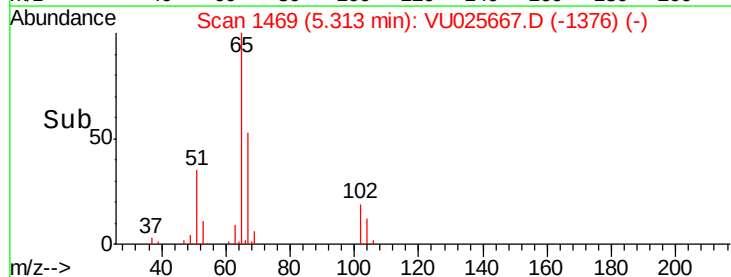
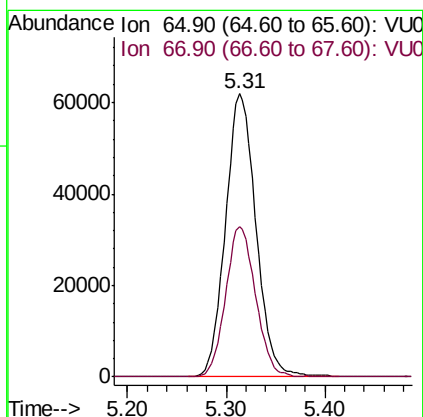
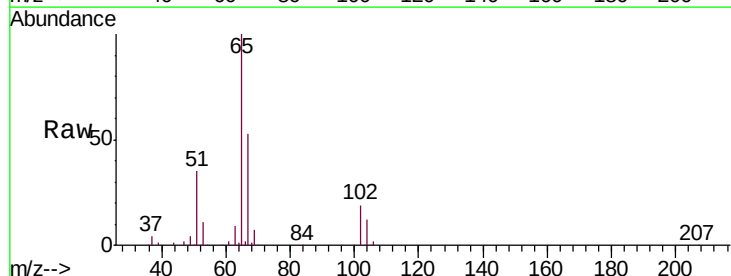
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

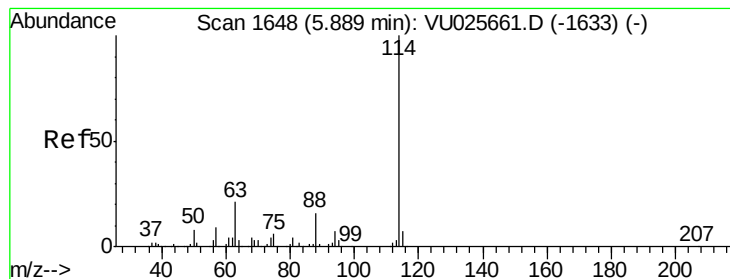
Tot Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 37.9 36.7 55.1
71 43.5 33.9 50.9



#33
1,2-Dichloroethane-d4
Concen: 51.63 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

Tgt Ion: 65 Resp: 133884
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

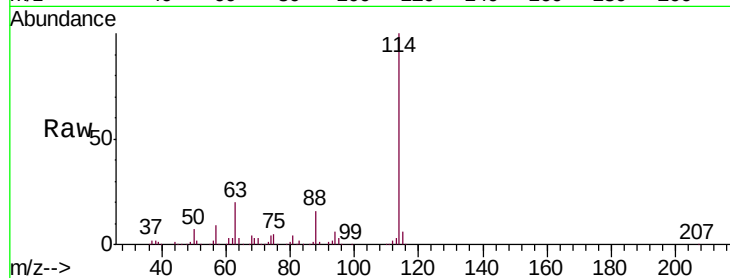
Tot Ion:114 Resp: 253621

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

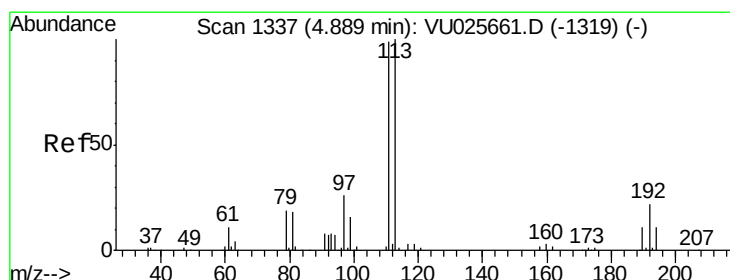
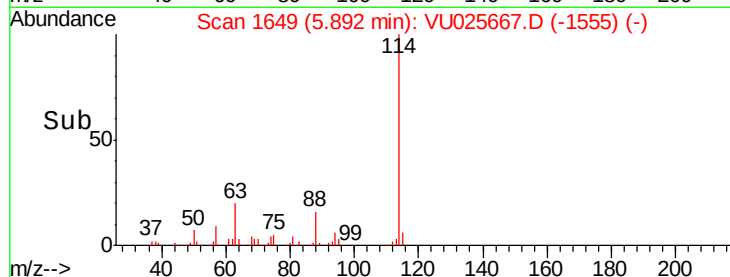
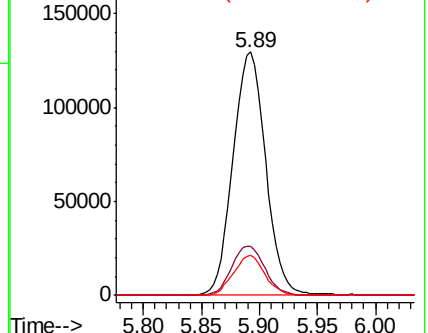
88 16.4 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.61 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

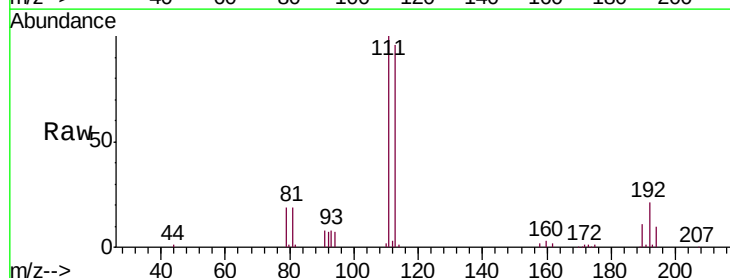
Tgt Ion:113 Resp: 107232

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

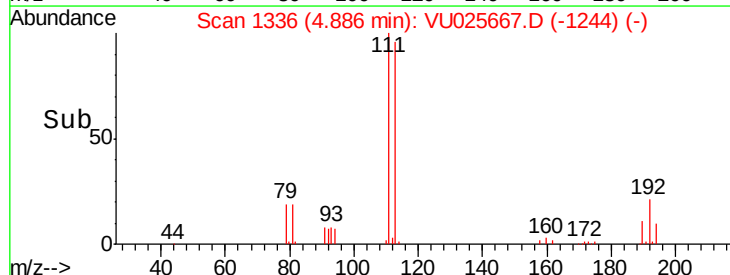
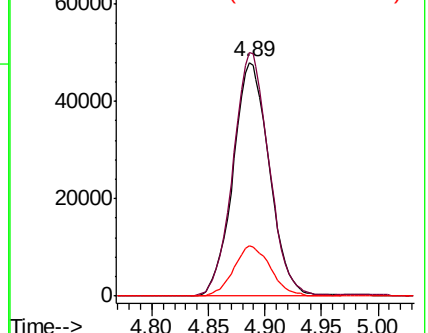
192 21.7 17.1 25.7

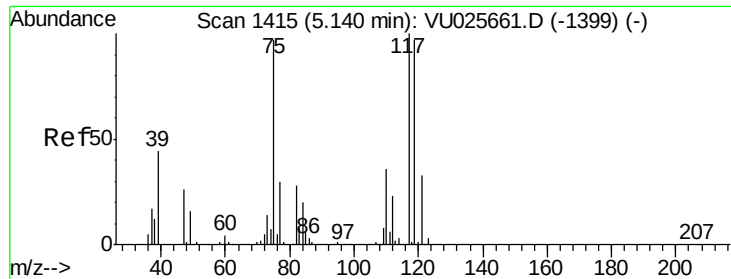


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

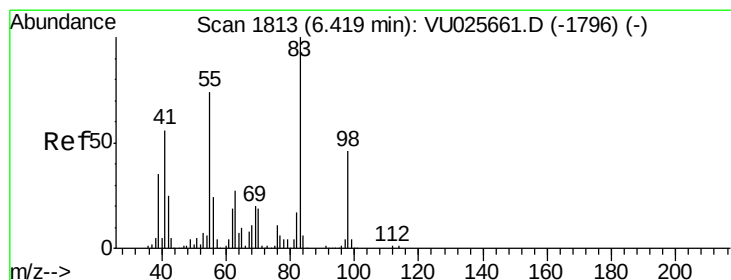
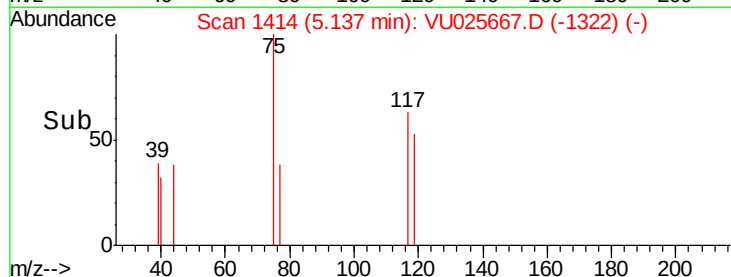
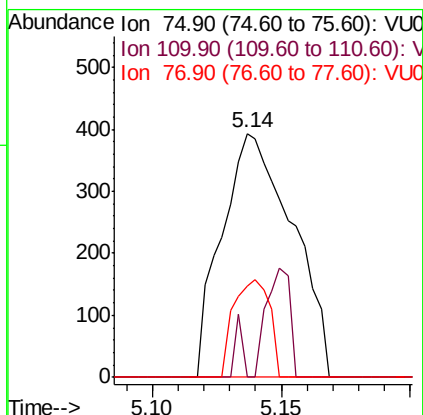
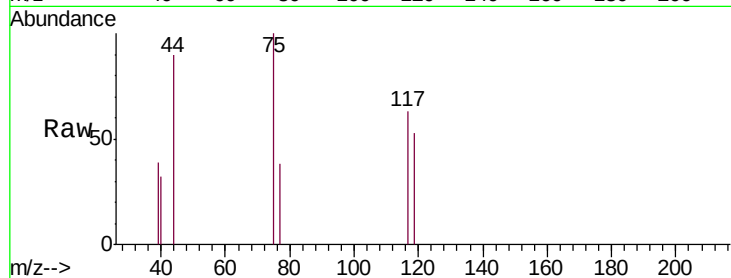




#36
 1,1-Dichloropropene
 Concen: 0.25 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

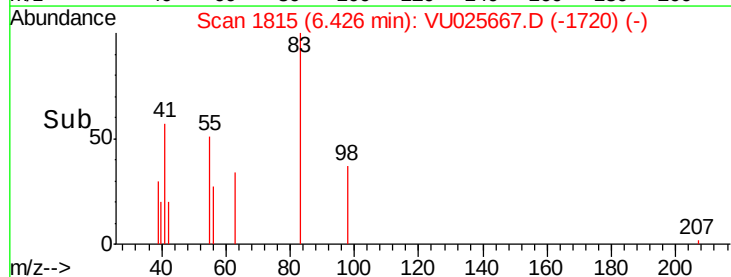
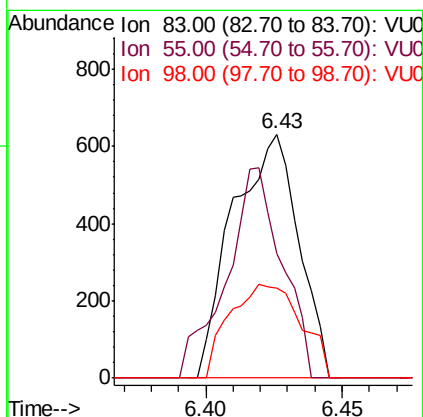
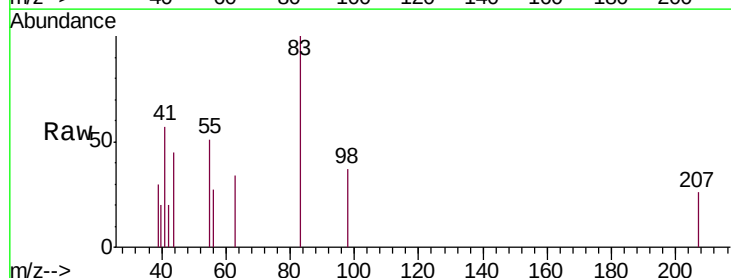
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

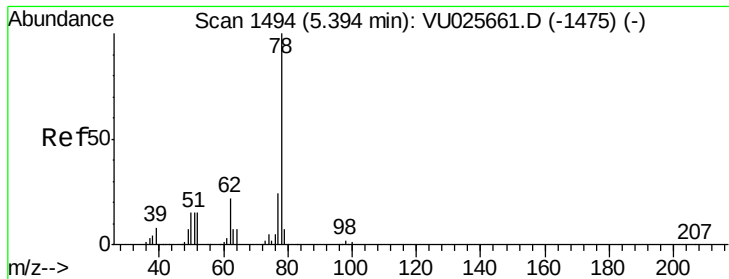
Tot Ion: 75 Resp: 750
 Ion Ratio Lower Upper
 75 100
 110 15.1 17.6 52.9#
 77 20.4 24.4 36.6#



#39
 Methylcyclohexane
 Concen: 0.31 ug/l
 RT: 6.43 min Scan# 1815
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 83 Resp: 1059
 Ion Ratio Lower Upper
 83 100
 55 51.2 60.0 90.0#
 98 36.9 36.1 54.1





#40

Benzene

Concen: 0.21 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

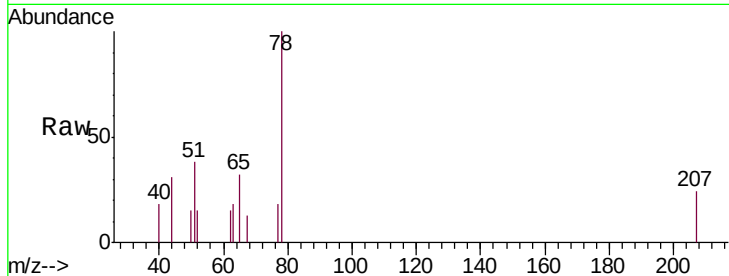
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 78 Resp: 1824

Ion Ratio Lower Upper

78 100

77 18.0 19.8 29.6#



Abundance Ion 78.00 (77.70 to 78.70): VU025661.D (-1475) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-1475) (-)

5.40

800

600

400

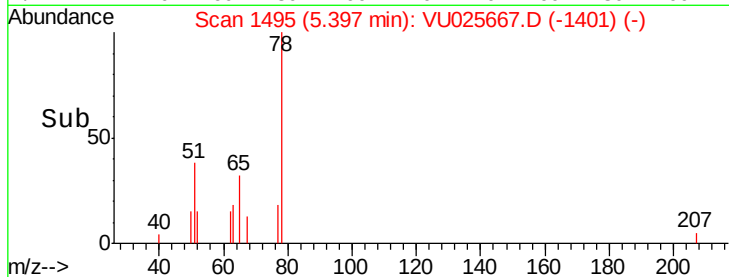
200

0

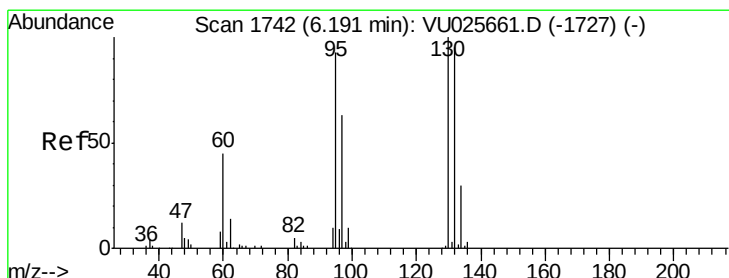
5.35

5.40

5.45



Time-->



#44

Trichloroethene

Concen: 0.36 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025667.D

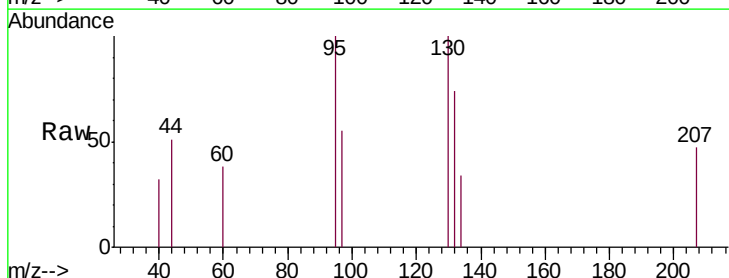
Acq: 27 Jul 2018 14:24

Tgt Ion: 130 Resp: 860

Ion Ratio Lower Upper

130 100

95 99.6 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) (-)

6.19

500

400

300

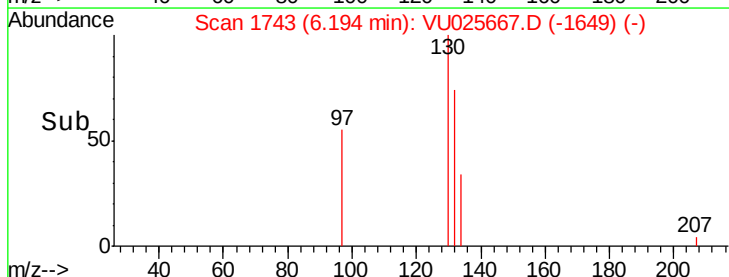
200

100

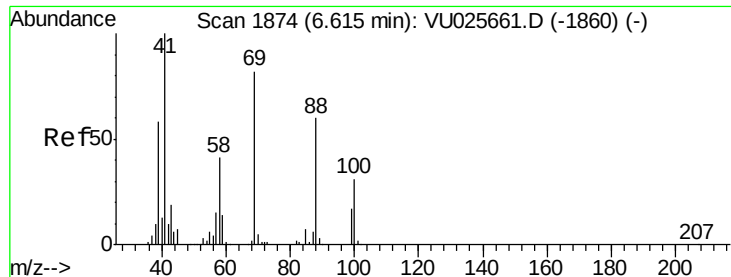
0

6.15

6.20



Time-->



#49

1,4-Dioxane

Concen: 2.92 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

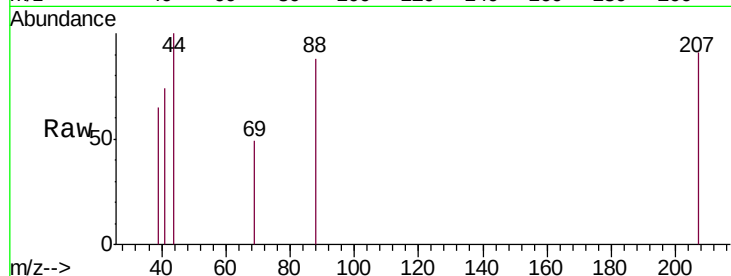
Tot Ion: 88 Resp: 177

Ion Ratio Lower Upper

88 100

43 23.7 27.3 40.9#

58 29.4 57.6 86.4#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

250

200

150

100

50

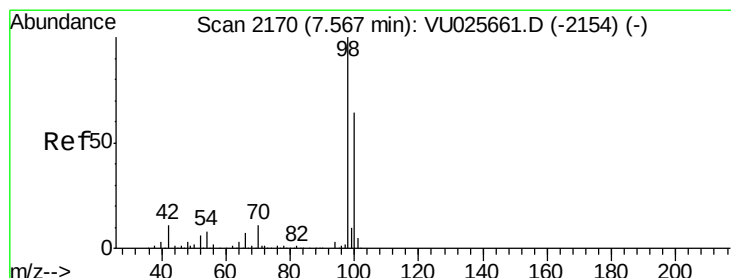
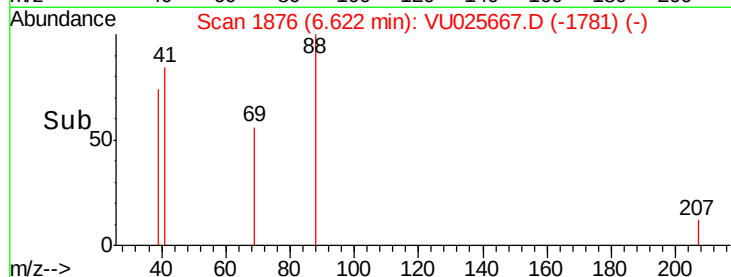
0

6.60

6.62

6.64

Time-->



#50

Toluene-d8

Concen: 47.91 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025667.D

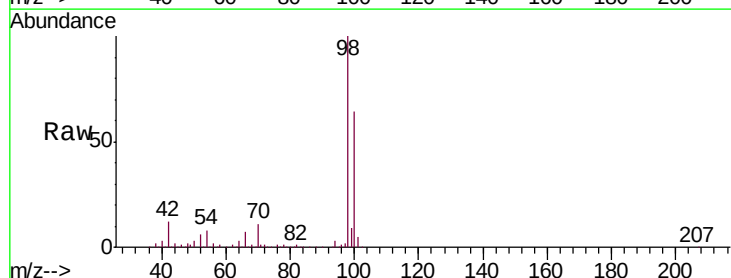
Acq: 27 Jul 2018 14:24

Tgt Ion: 98 Resp: 369803

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

250000

200000

150000

100000

50000

0

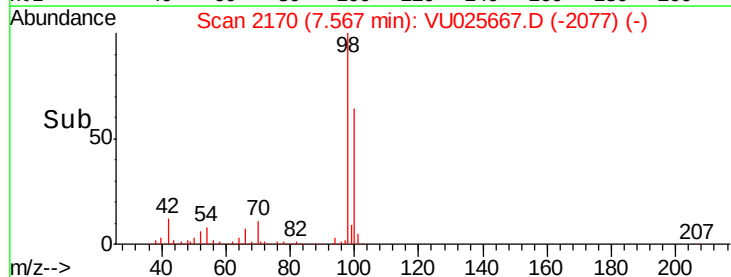
7.50

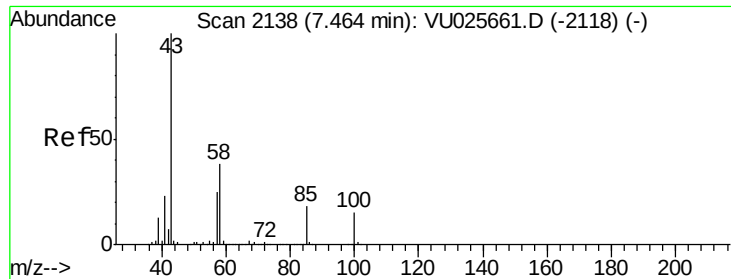
7.57

7.60

7.70

Time-->

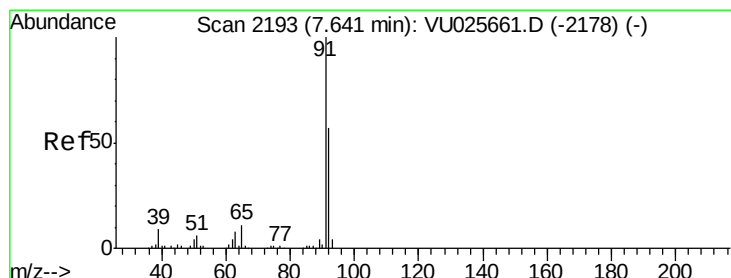
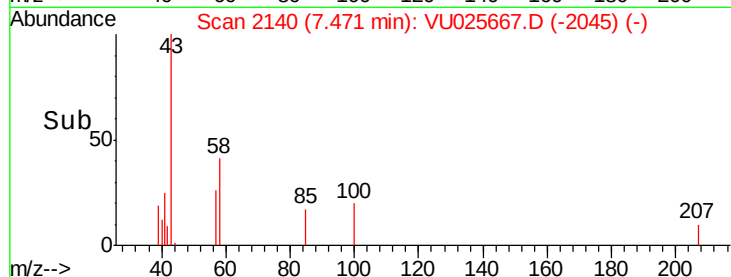
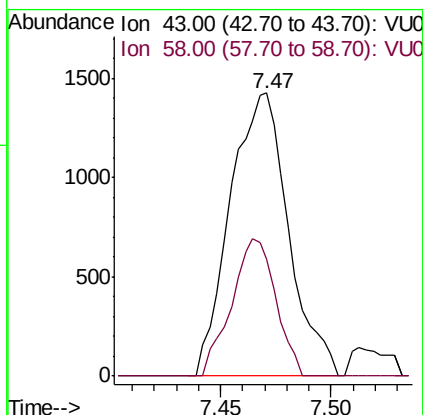
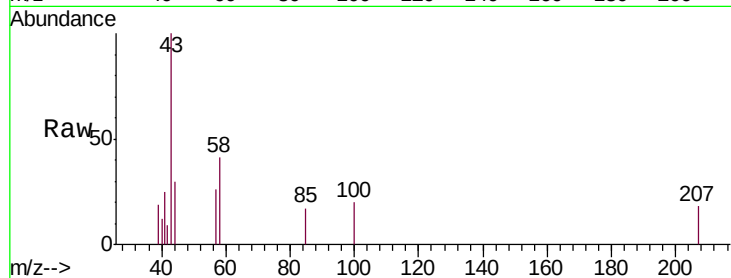




#51
 4-Methyl-2-Pentanone
 Concen: 0.82 ug/l
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

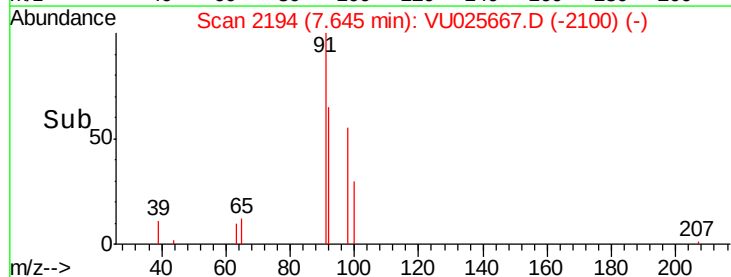
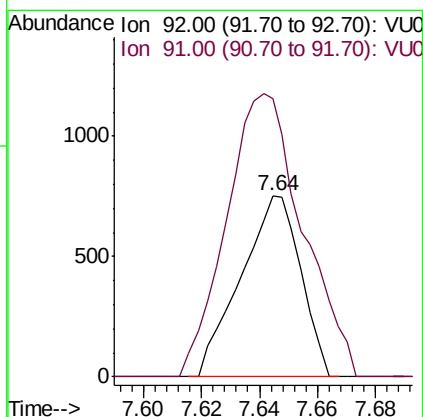
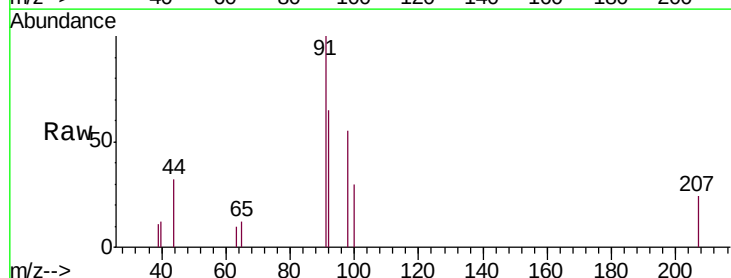
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

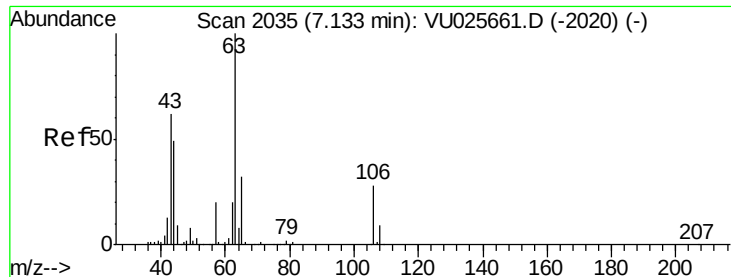
Tot Ion: 43 Resp: 2620
 Ion Ratio Lower Upper
 43 100
 58 36.9 31.0 46.4



#52
 Toluene
 Concen: 0.20 ug/l
 RT: 7.64 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 92 Resp: 1078
 Ion Ratio Lower Upper
 92 100
 91 199.4 139.2 208.8

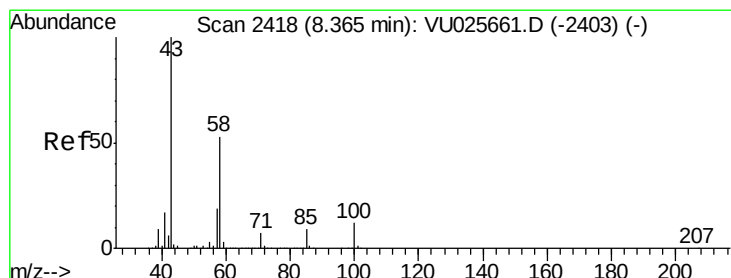
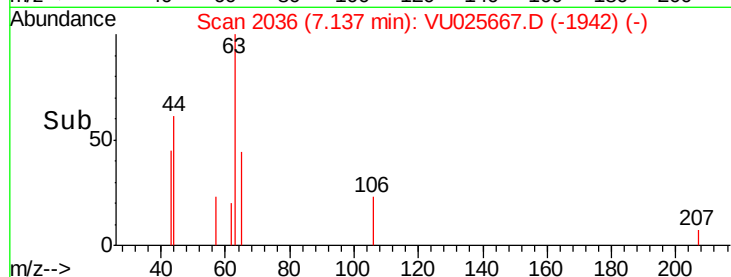
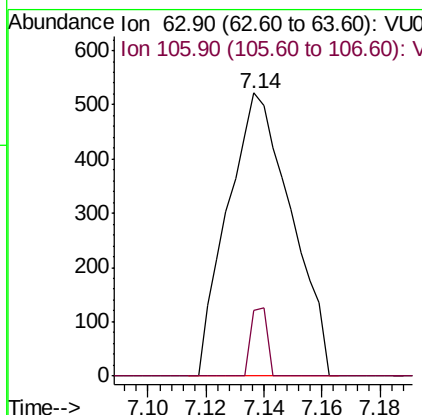
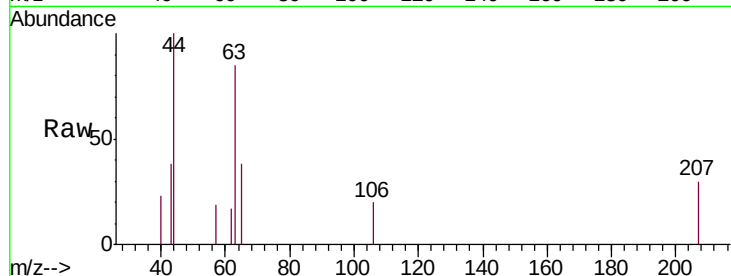




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.61 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

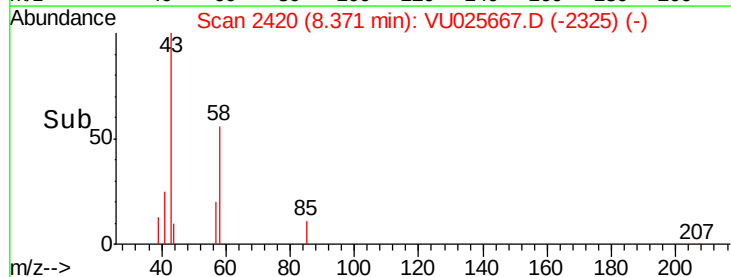
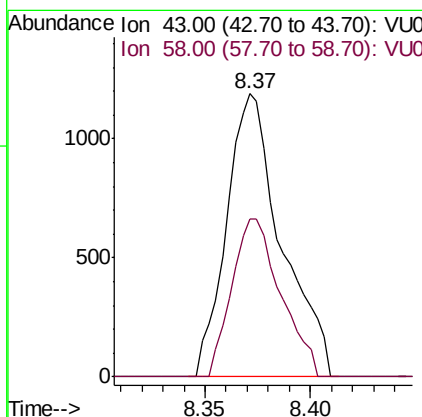
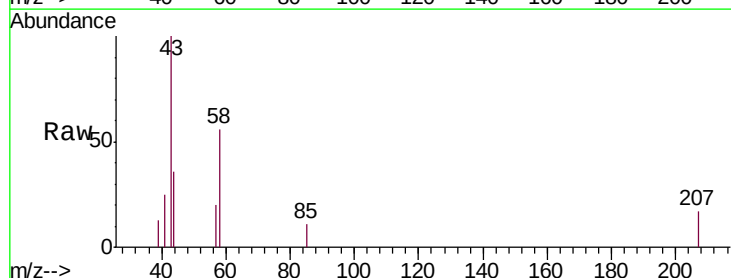
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

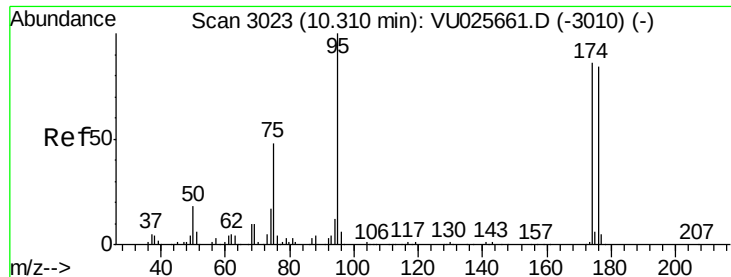
Tot Ion: 63 Resp: 793
 Ion Ratio Lower Upper
 63 100
 106 6.1 22.3 33.5#



#59
 2-Hexanone
 Concen: 0.86 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 2145
 Ion Ratio Lower Upper
 43 100
 58 49.6 26.2 78.5

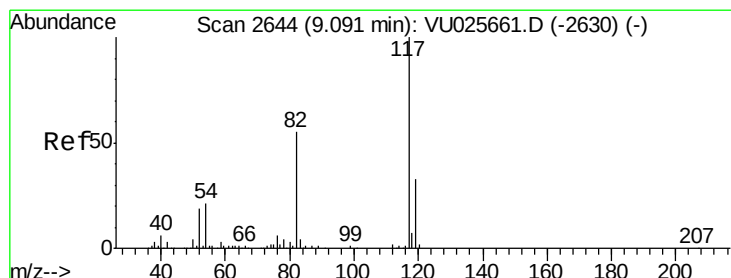
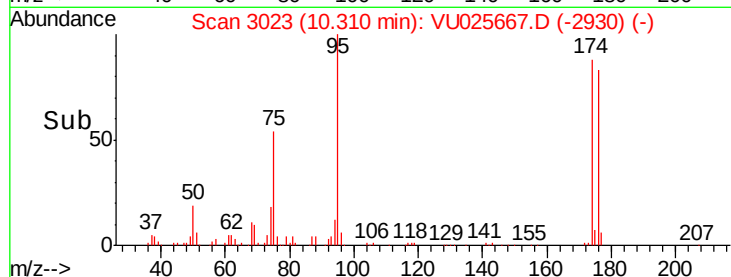
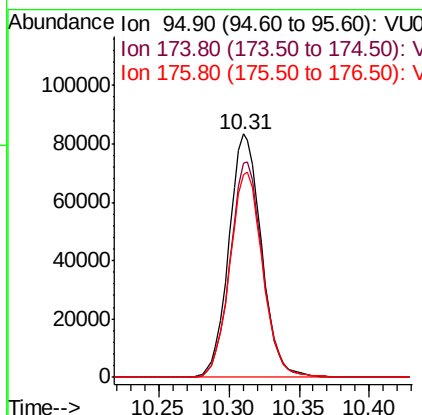
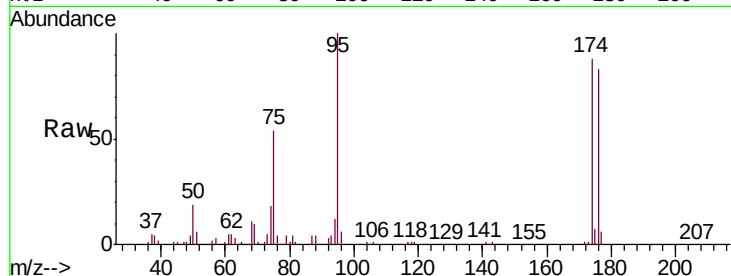




#62
4-Bromofluorobenzene
Concen: 44.88 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

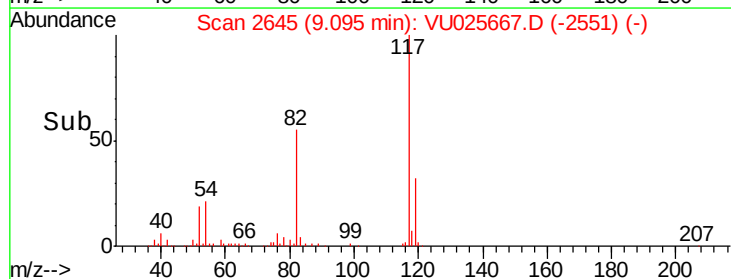
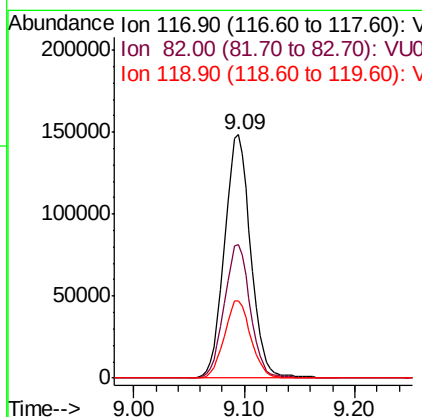
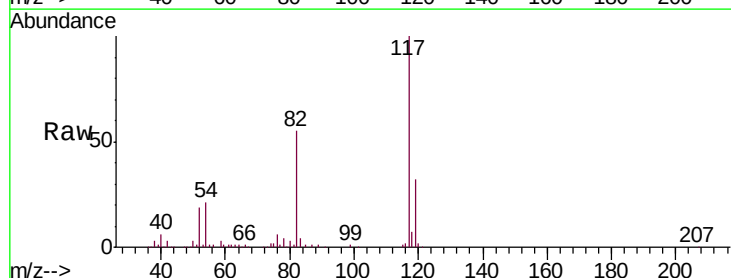
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

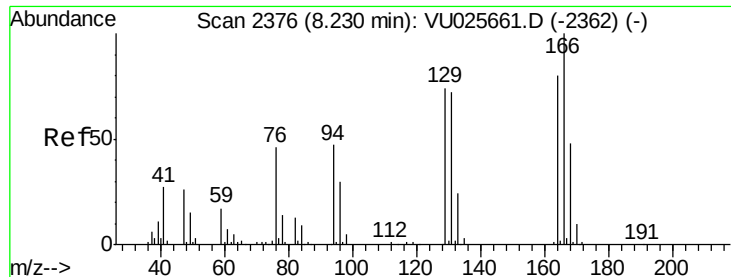
Tot Ion: 95 Resp: 134453
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.2
176 85.2 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

Tgt Ion: 117 Resp: 244640
Ion Ratio Lower Upper
117 100
82 54.9 46.0 69.0
119 31.9 26.0 39.0

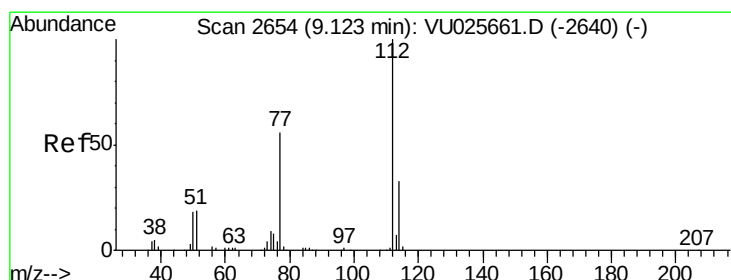
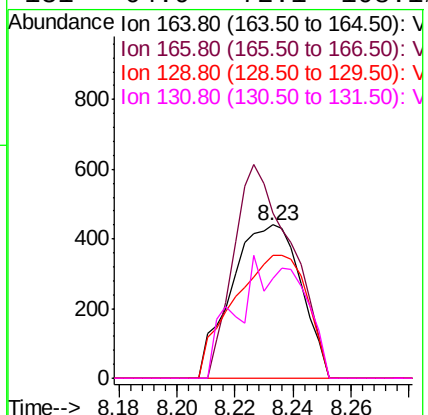
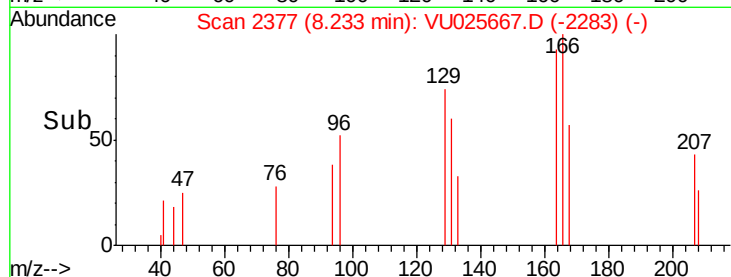
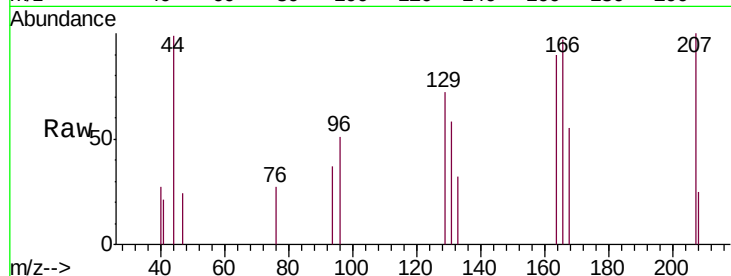




#64
Tetrachloroethene
Concen: 0.34 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

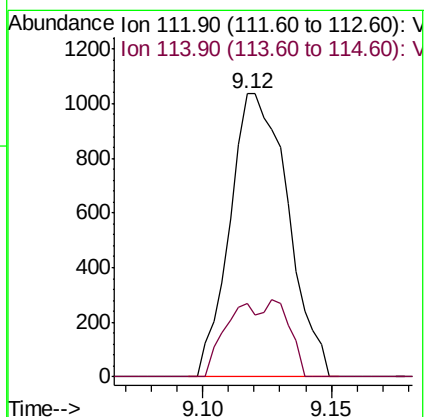
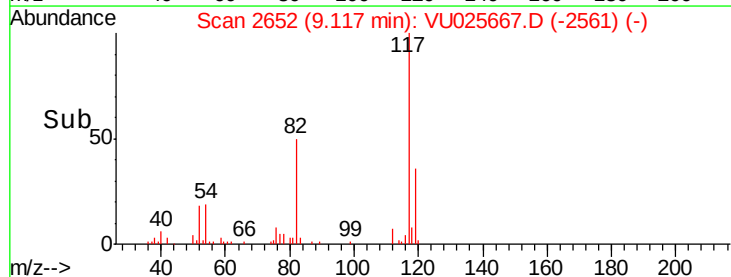
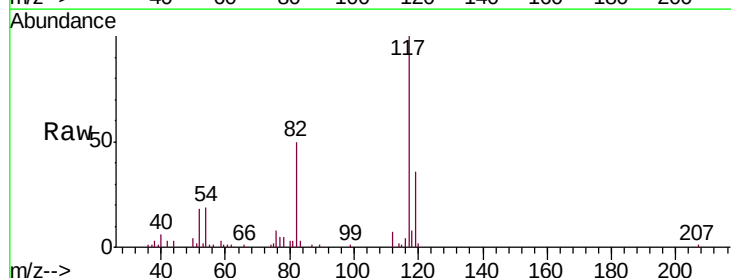
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

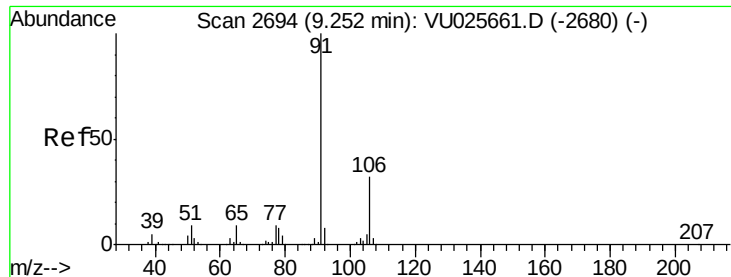
Tot Ion:164 Resp: 735
Ion Ratio Lower Upper
164 100
166 107.7 101.1 151.7
129 80.0 73.0 109.6
131 64.9 72.1 108.1#



#65
Chlorobenzene
Concen: 0.26 ug/l
RT: 9.12 min Scan# 2652
Delta R.T. -0.01 min
Lab File: VU025667.D
Acq: 27 Jul 2018 14:24

Tgt Ion:112 Resp: 1623
Ion Ratio Lower Upper
112 100
114 25.9 25.8 38.8





#67

Ethyl Benzene

Concen: 0.22 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

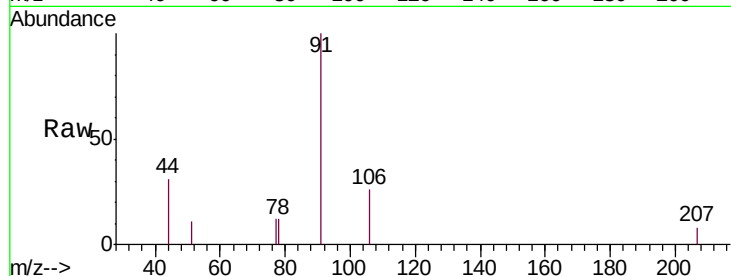
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 2349

Ion Ratio Lower Upper

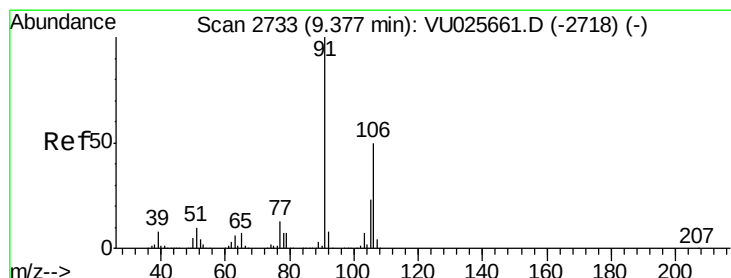
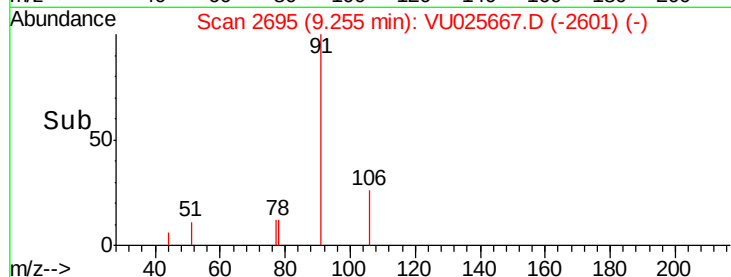
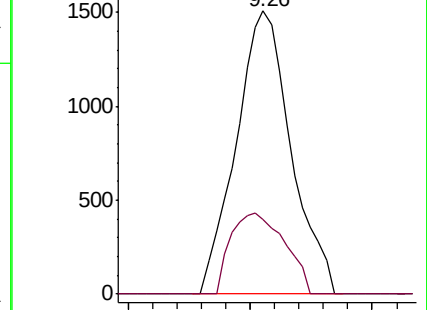
91 100

106 26.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU025661.D (-2680) (-)



#68

m/p-Xylenes

Concen: 0.34 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025667.D

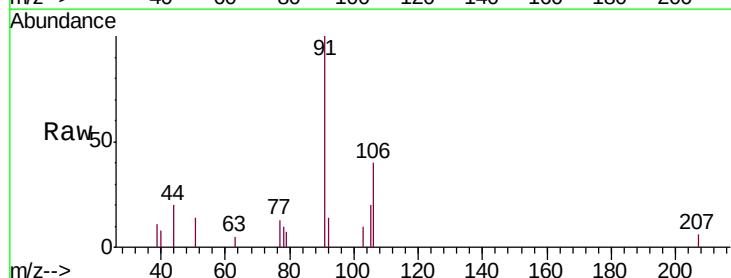
Acq: 27 Jul 2018 14:24

Tgt Ion: 106 Resp: 1352

Ion Ratio Lower Upper

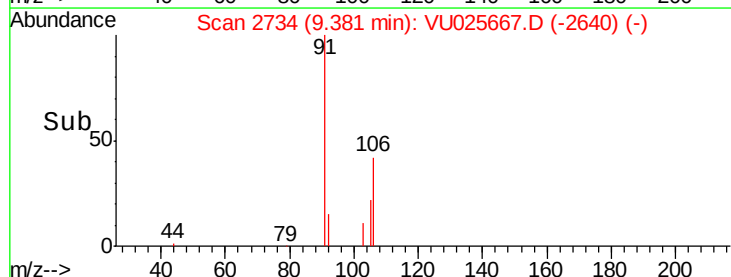
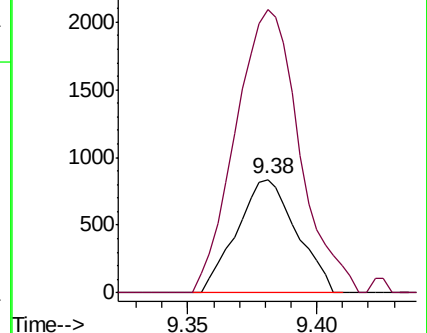
106 100

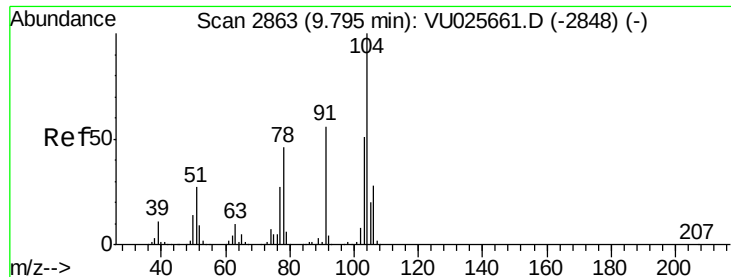
91 267.7 162.3 243.5#



Abundance Ion 106.00 (105.70 to 106.70): VU025661.D (-2718) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2718) (-)





#70

Stvrene

Concen: 0.20 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

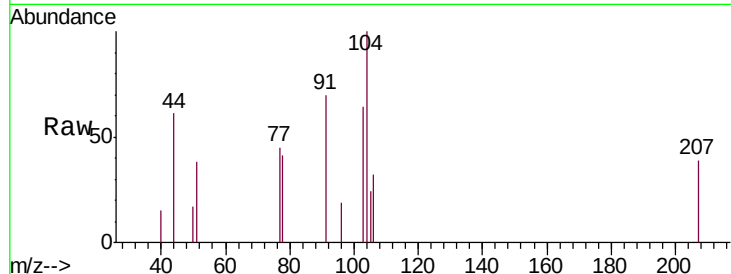
Tot Ion:104 Resp: 1273

Ion Ratio Lower Upper

104 100

78 48.0 41.6 62.4

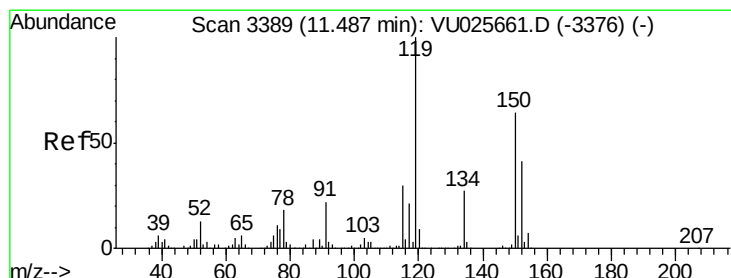
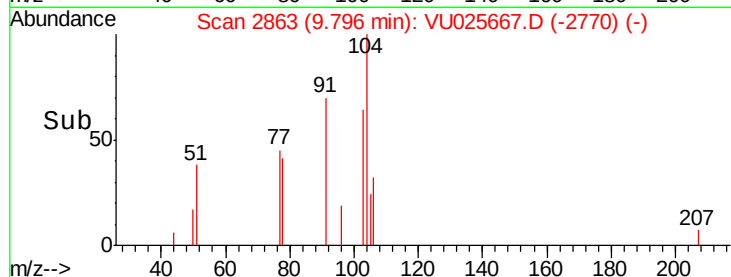
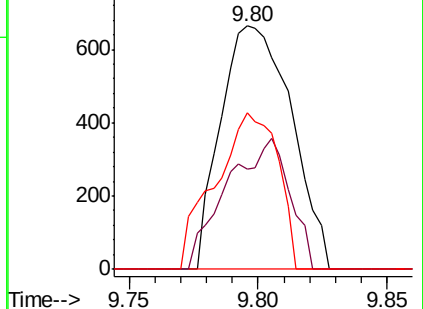
103 57.0 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): 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: VU025667.D

Acq: 27 Jul 2018 14:24

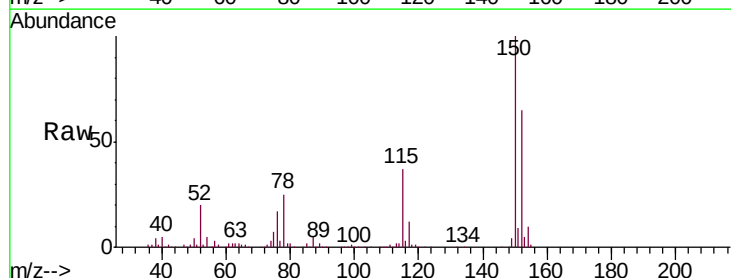
Tgt Ion:152 Resp: 138890

Ion Ratio Lower Upper

152 100

115 56.8 40.1 120.3

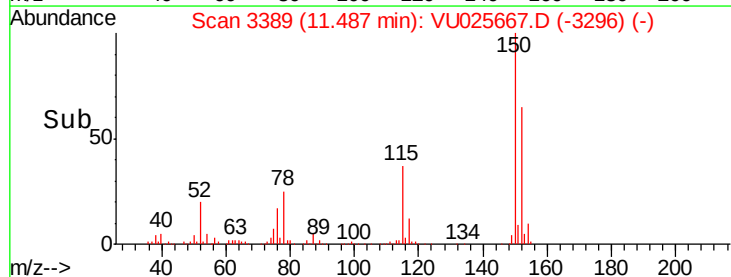
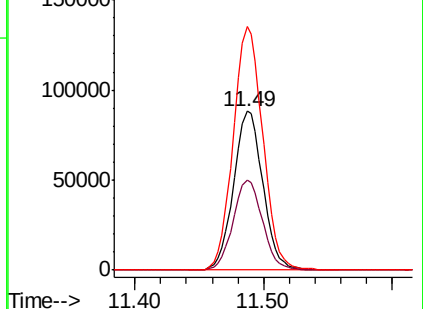
150 155.3 0.0 351.4

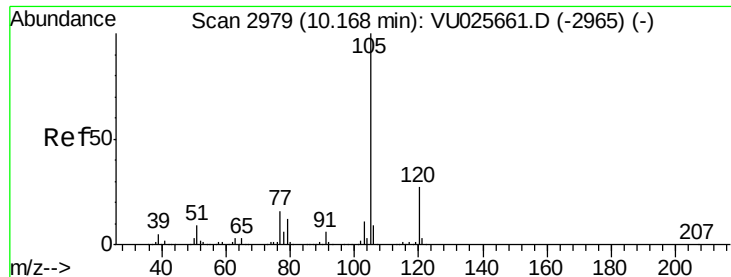


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.22 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

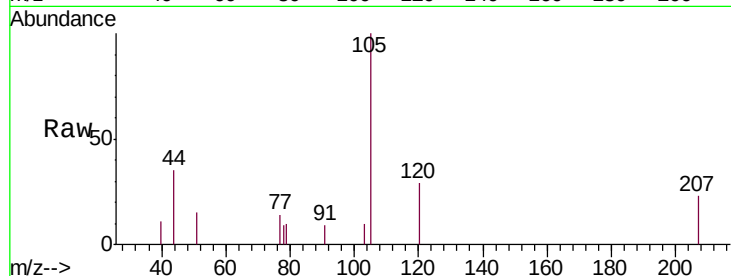
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 2081

Ion Ratio Lower Upper

105 100

120 31.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500

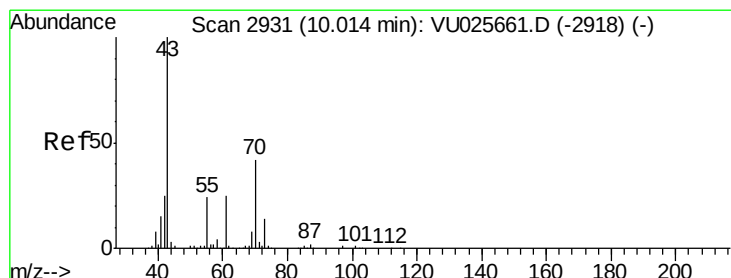
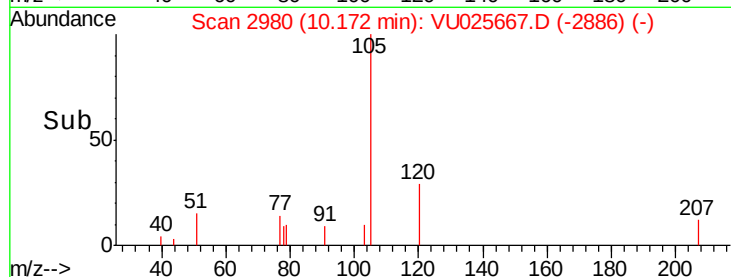
10.17

1000

500

0

Time-->



#74

N-ethyl acetate

Concen: 0.24 ug/l

RT: 10.02 min Scan# 2934

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 933

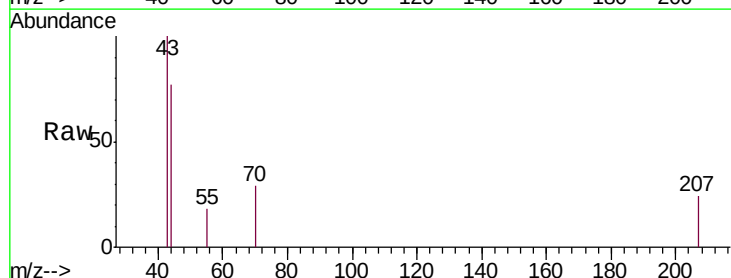
Ion Ratio Lower Upper

43 100

70 23.0 33.4 50.2#

55 6.9 19.0 28.6#

61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

1000

800

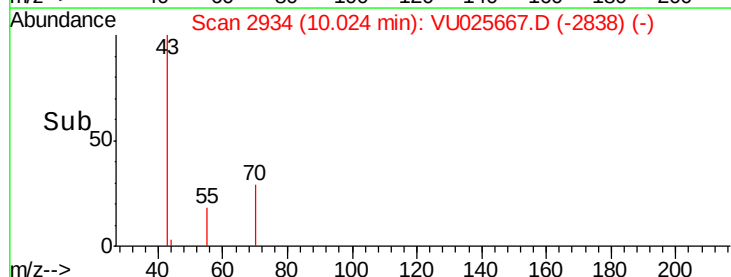
600

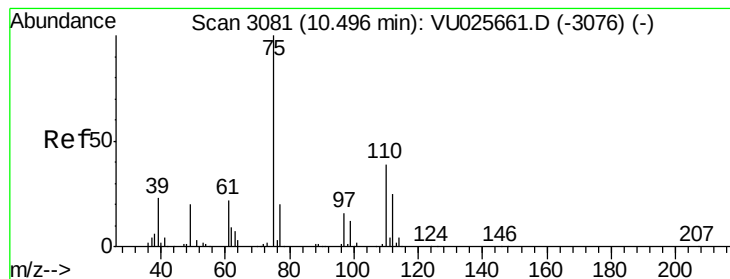
400

200

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 23.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

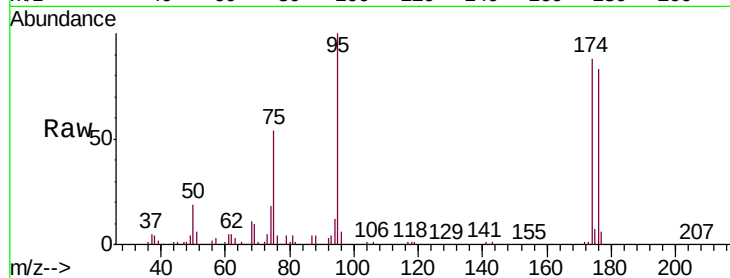
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 75 Resp: 70776

Ion Ratio Lower Upper

75 100

77 0.8 20.4 61.3#

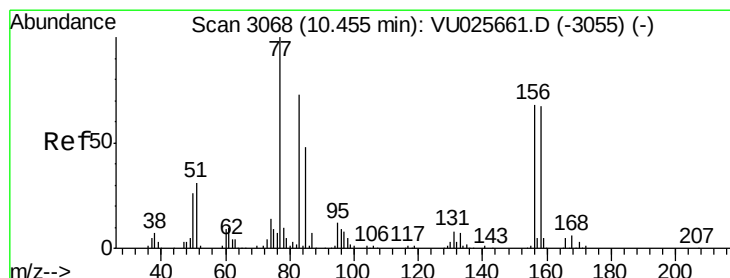
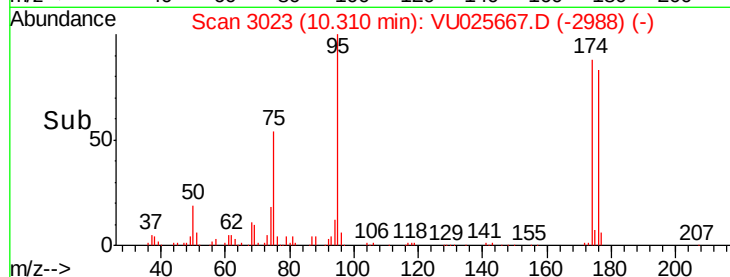


Abundance Ion 74.90 (74.60 to 75.60): VU025667.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025667.D (-2988) (-)

10.31

Time-->



#77

Bromobenzene

Concen: 0.21 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

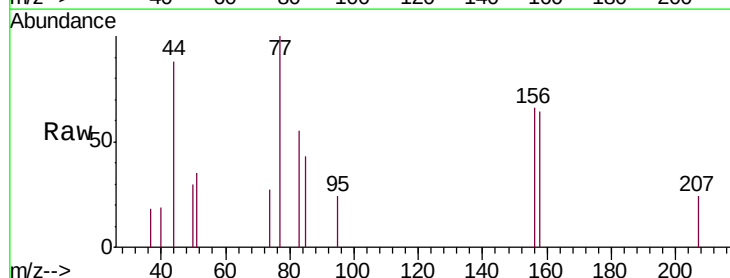
Tgt Ion: 156 Resp: 558

Ion Ratio Lower Upper

156 100

77 199.1 73.8 221.4

158 110.8 48.0 144.0



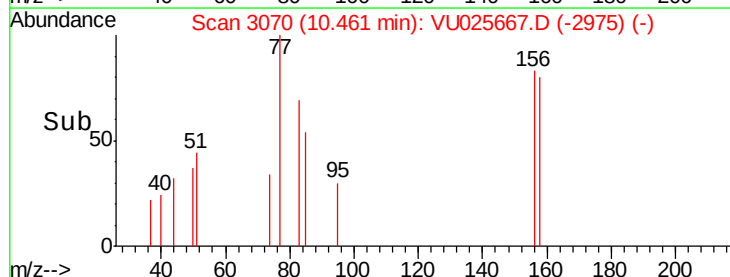
Abundance Ion 155.80 (155.50 to 156.50): VU025667.D (-2975) (-)

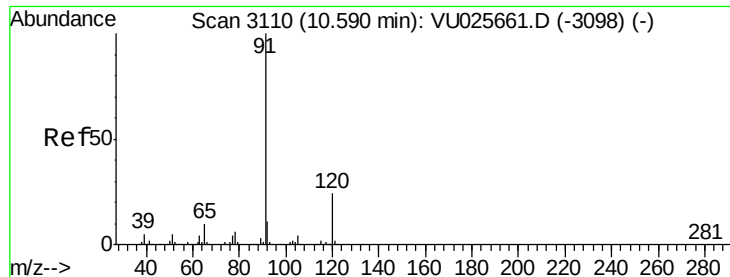
Ion 77.00 (76.70 to 77.70): VU025667.D (-2975) (-)

Ion 157.80 (157.50 to 158.50): VU025667.D (-2975) (-)

10.46

Time-->





#78

n-propylbenzene

Concen: 0.24 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

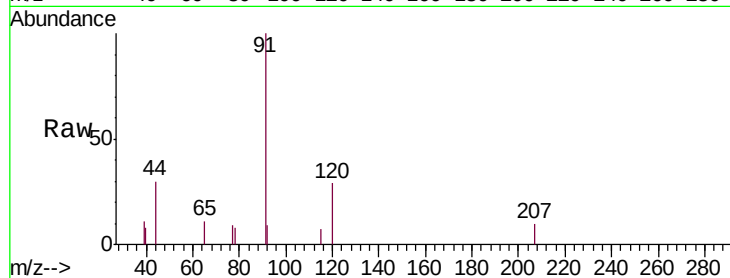
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 2651

Ion Ratio Lower Upper

91 100

120 24.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

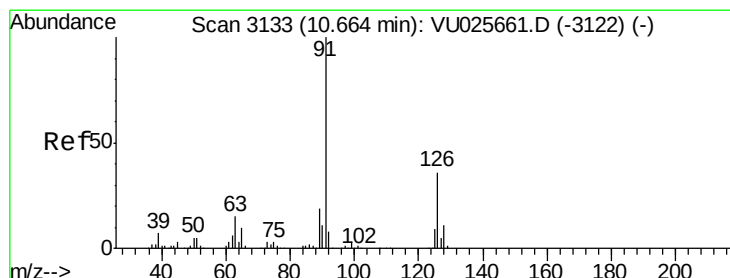
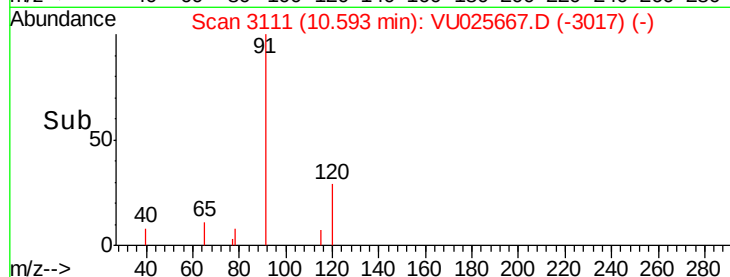
1500

1000

500

0

Time-->



#79

2-Chlorotoluene

Concen: 0.25 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025667.D

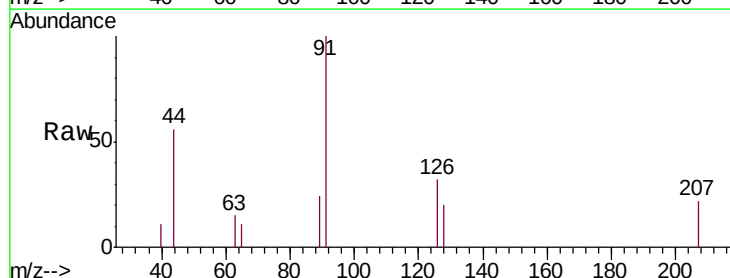
Acq: 27 Jul 2018 14:24

Tgt Ion: 91 Resp: 1620

Ion Ratio Lower Upper

91 100

126 23.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.66

1000

800

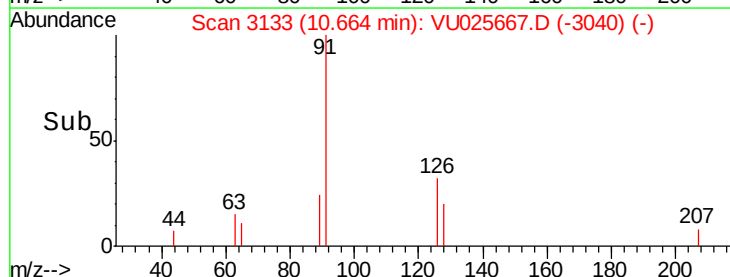
600

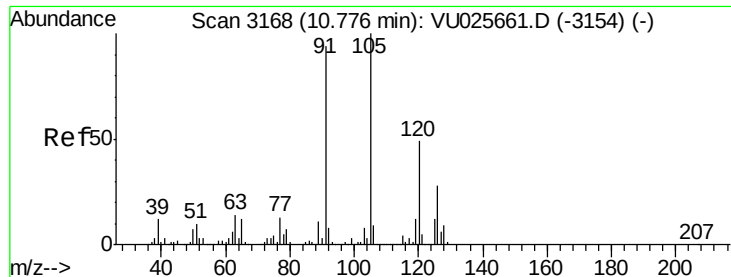
400

200

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

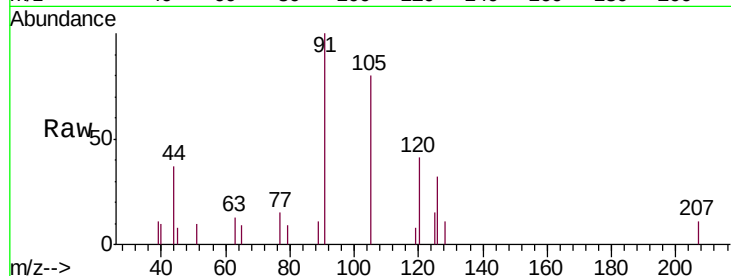
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 1663

Ion Ratio Lower Upper

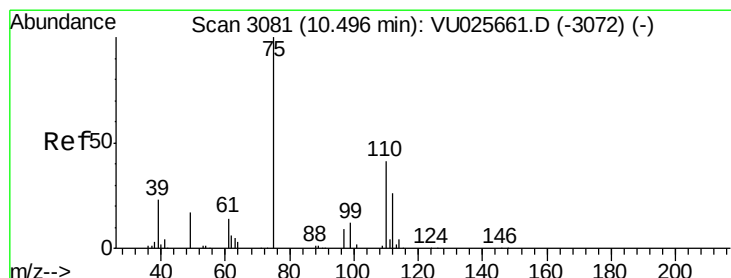
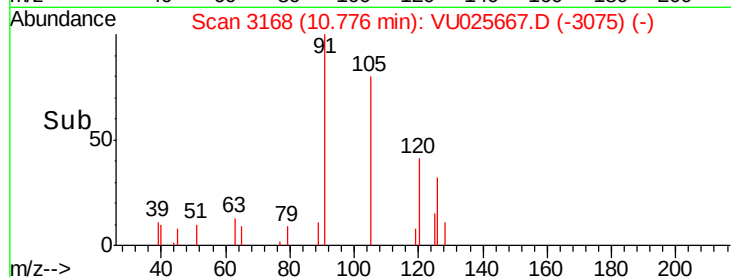
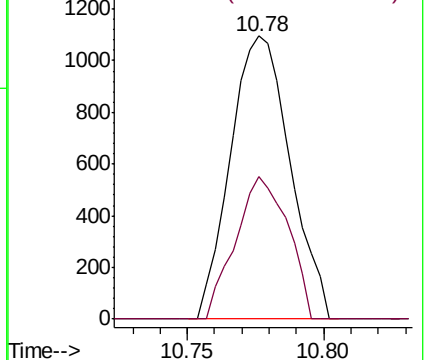
105 100

120 44.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 57.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

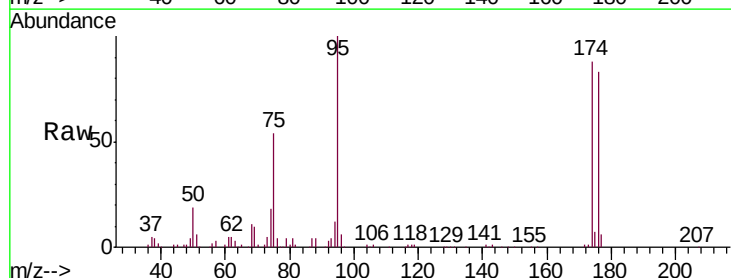
Tgt Ion: 75 Resp: 70776

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

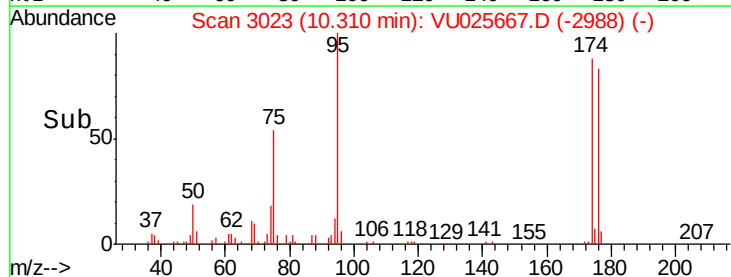
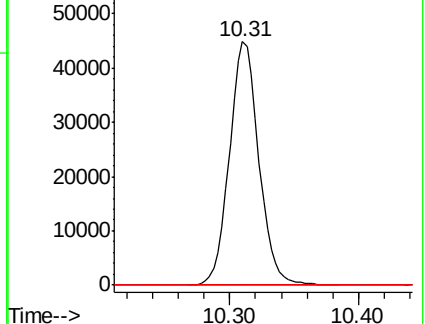
89 0.0 0.0 0.0#

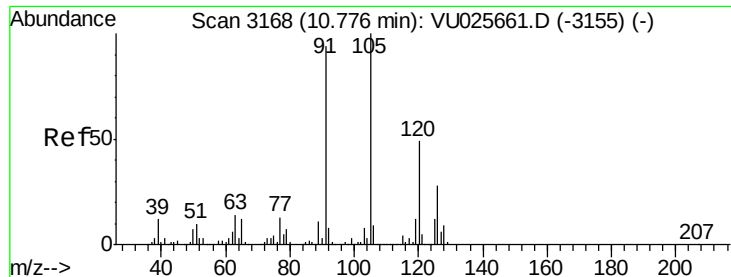


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 0.29 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

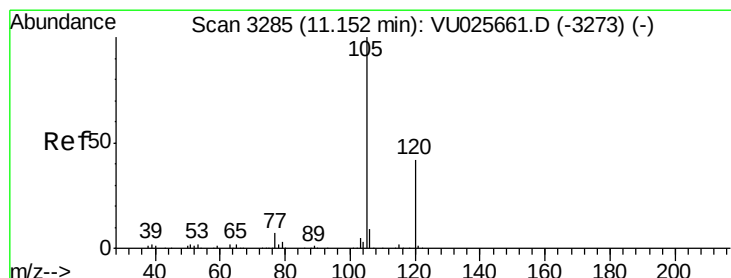
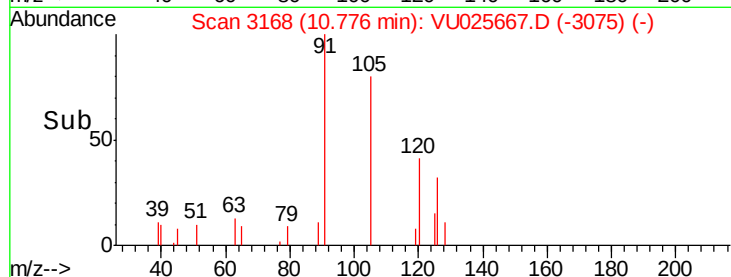
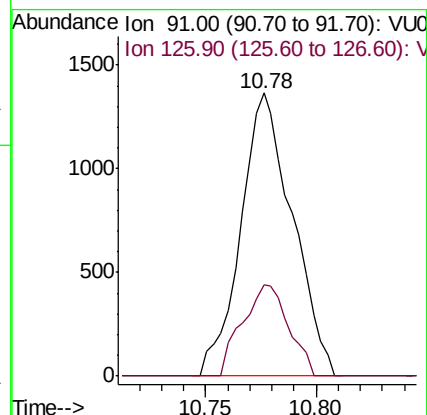
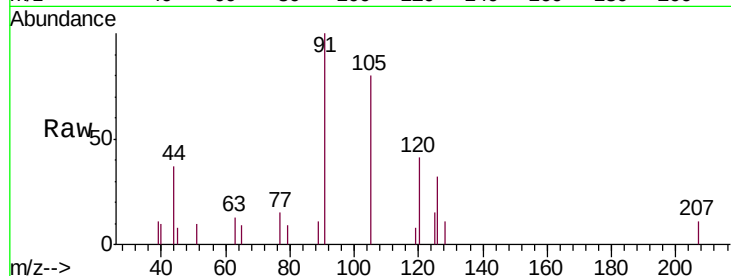
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 2218

Ion Ratio Lower Upper

91 100

126 28.8 15.3 45.9



#84

1,2,4-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025667.D

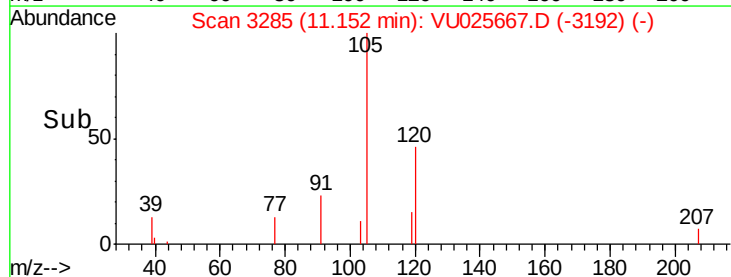
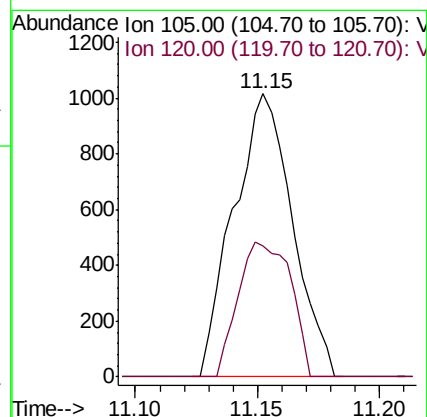
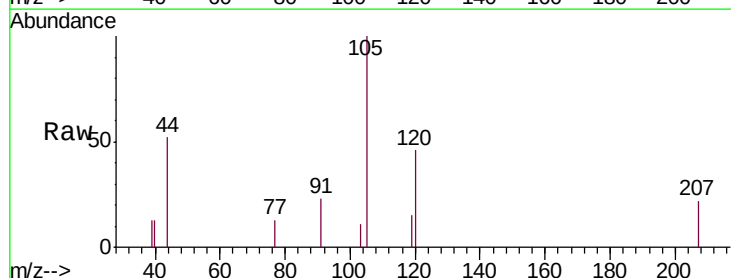
Acq: 27 Jul 2018 14:24

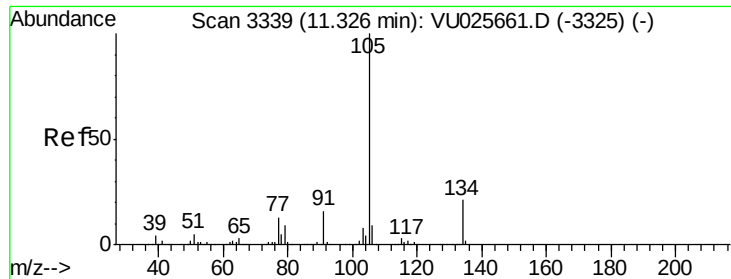
Tgt Ion: 105 Resp: 1700

Ion Ratio Lower Upper

105 100

120 42.6 22.3 66.8

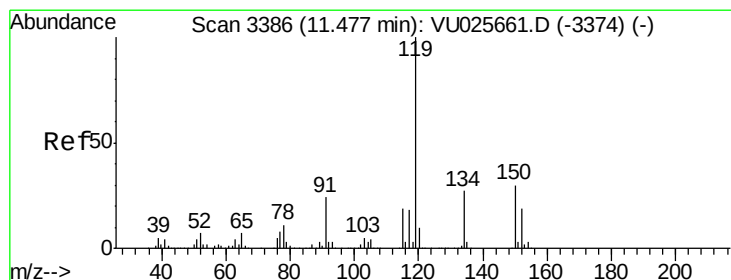
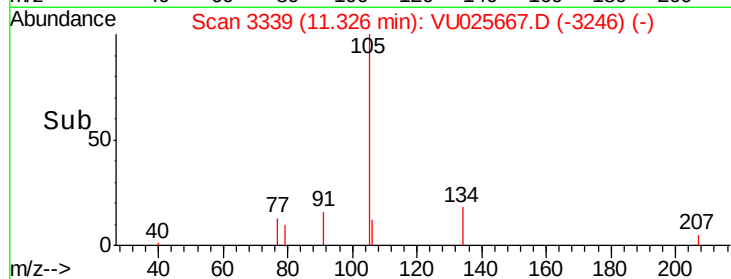
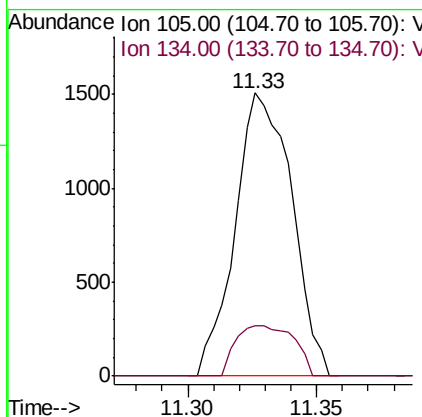
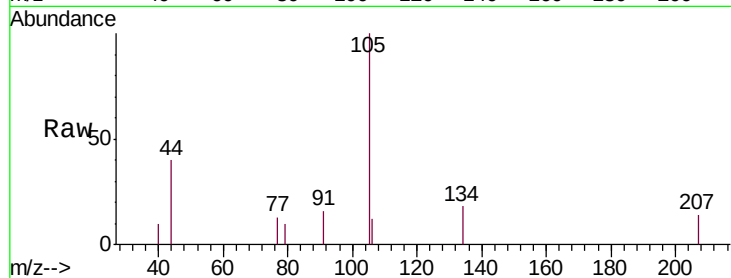




#85
 sec-Butylbenzene
 Concen: 0.24 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

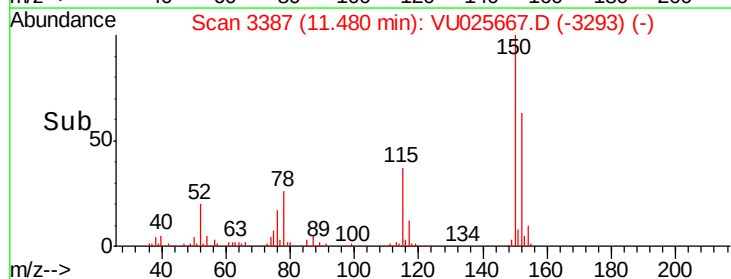
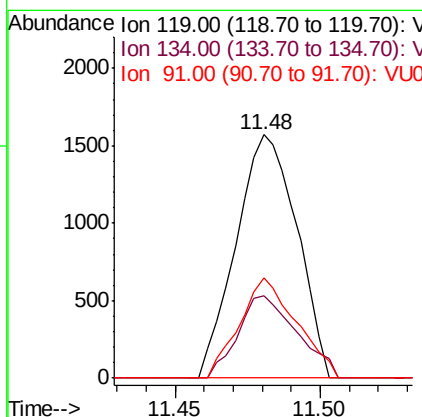
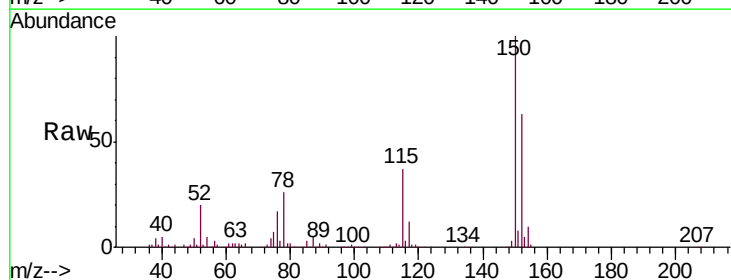
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

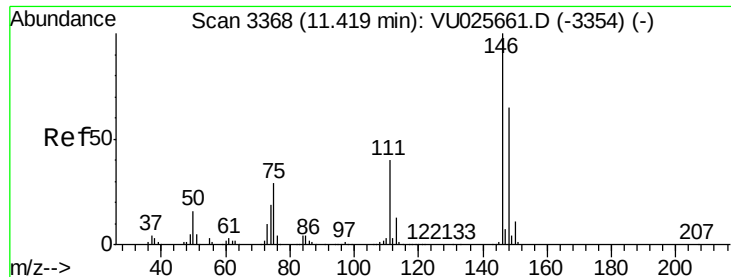
Tot Ion:105 Resp: 2308
 Ion Ratio Lower Upper
 105 100
 134 18.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 0.26 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion:119 Resp: 2287
 Ion Ratio Lower Upper
 119 100
 134 32.8 13.2 39.5
 91 38.4 12.0 36.1#

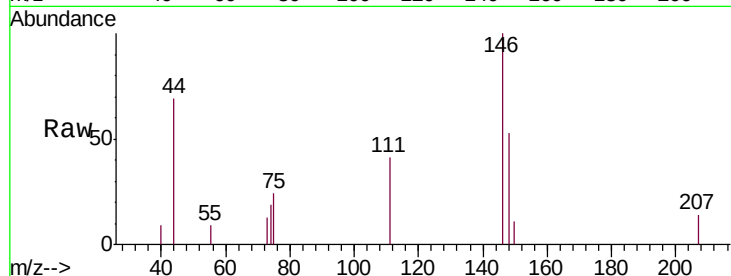




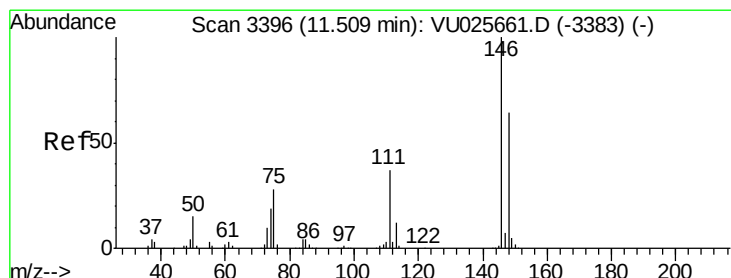
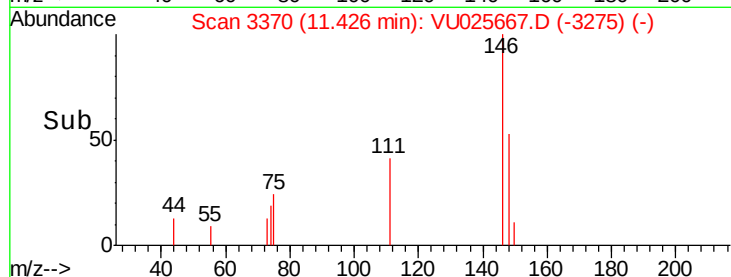
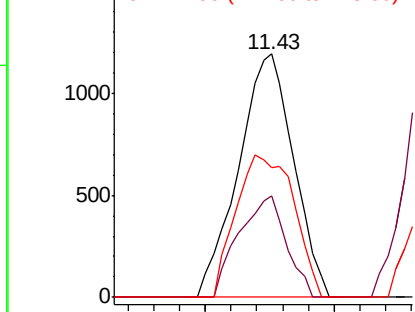
#87
 1,3-Dichlorobenzene
 Concen: 0.37 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

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

Tot Ion:146 Resp: 1778
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.7 59.1
 148 61.5 32.1 96.3

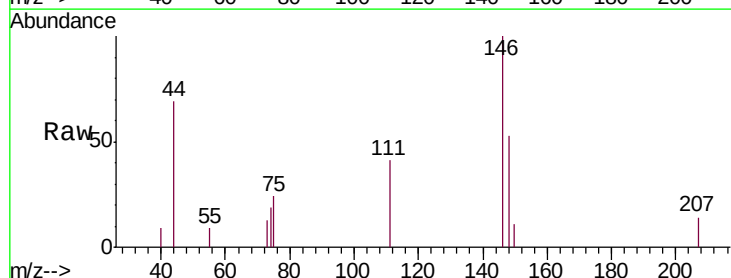


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

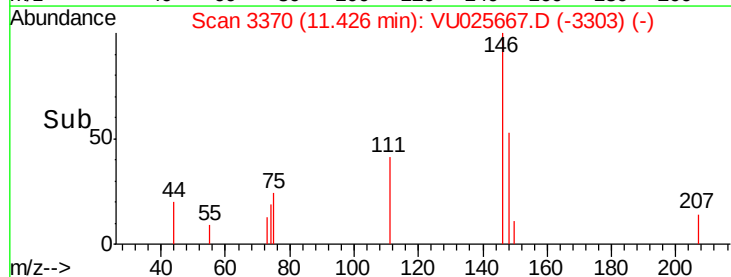
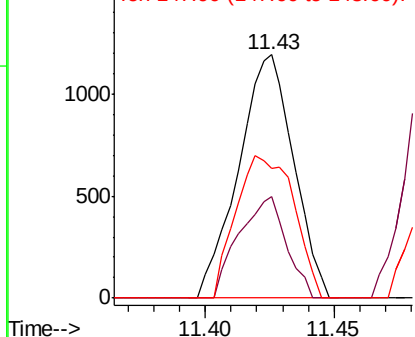


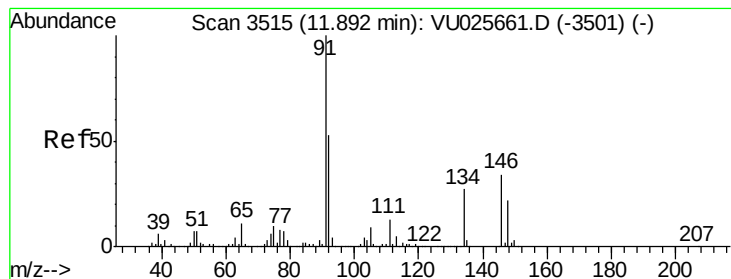
#88
 1,4-Dichlorobenzene
 Concen: 0.35 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. -0.08 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion:146 Resp: 1778
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.4 58.1
 148 61.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.29 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument:

MSVOA_U

ClientSampleId:

LOD-MDL-WATER-01-QT3-2018

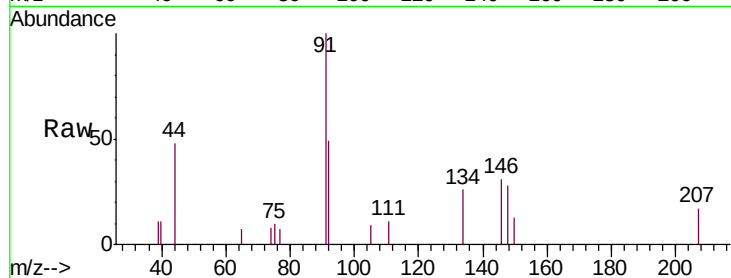
Tot Ion: 91 Resp: 2359

Ion Ratio Lower Upper

91 100

92 48.0 26.5 79.5

134 25.8 13.6 40.7

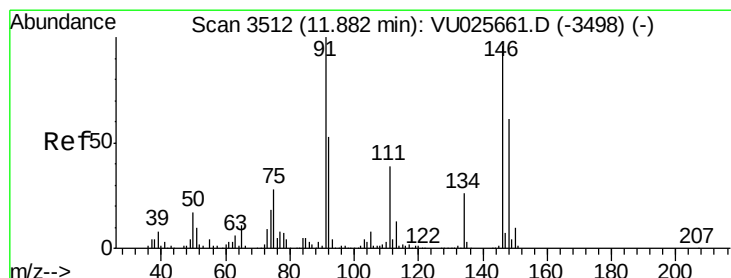
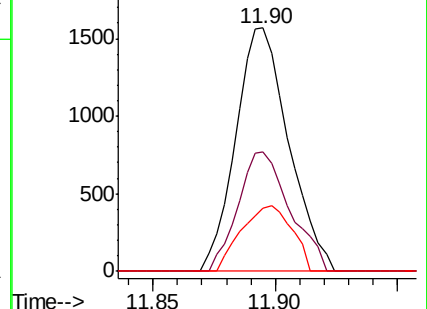
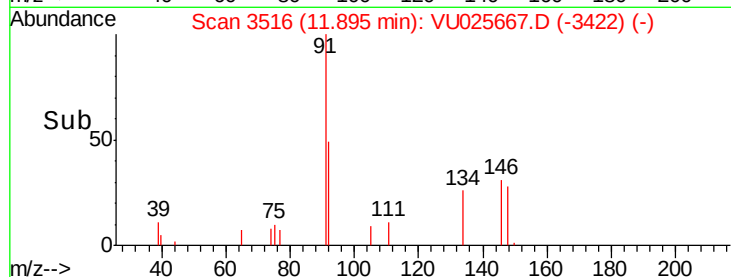


Abundance Ion 91.00 (90.70 to 91.70): VU025667.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025667.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025667.D (-3501) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.29 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

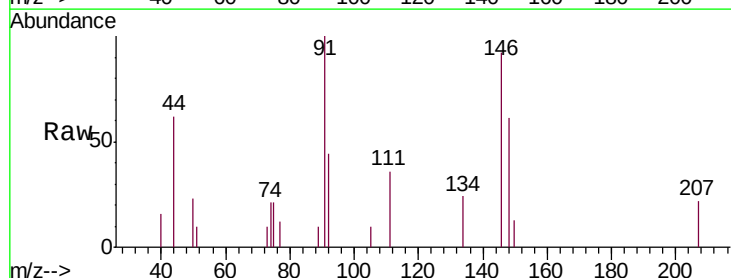
Tgt Ion: 146 Resp: 1360

Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.8

148 80.0 31.5 94.5

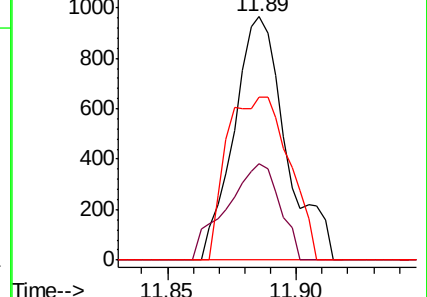
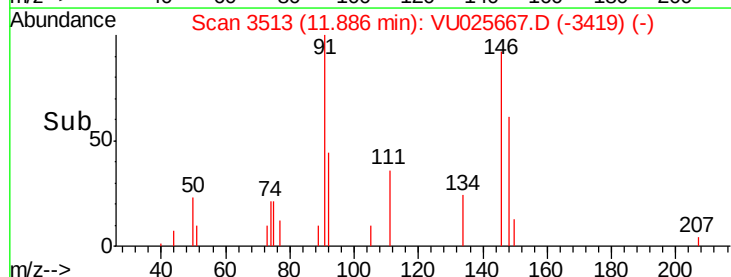


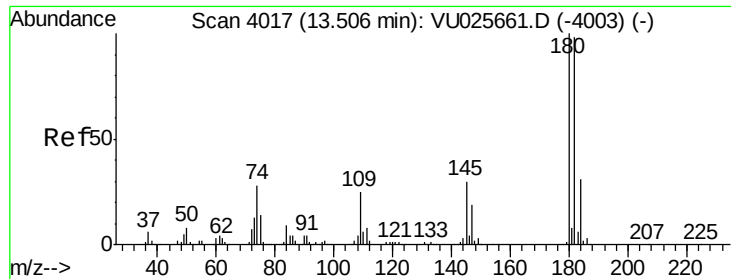
Abundance Ion 145.90 (145.60 to 146.60): VU025667.D (-3512) (-)

Ion 110.90 (110.60 to 111.60): VU025667.D (-3512) (-)

Ion 147.90 (147.60 to 148.60): VU025667.D (-3512) (-)

Time-->

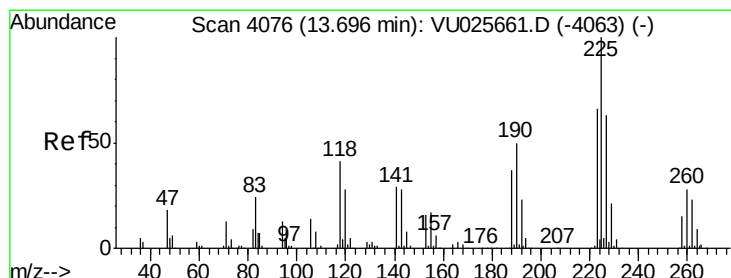
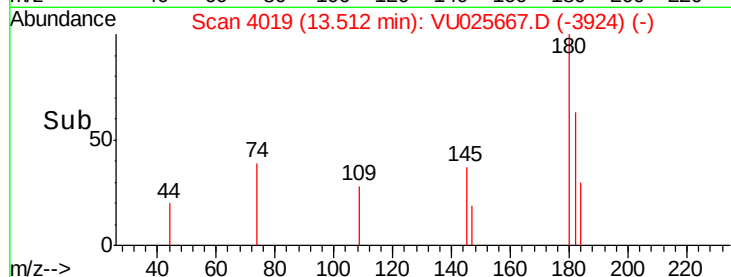
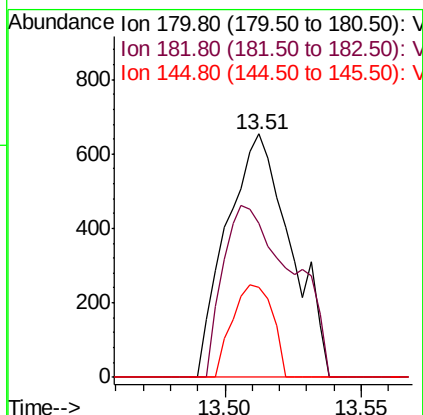
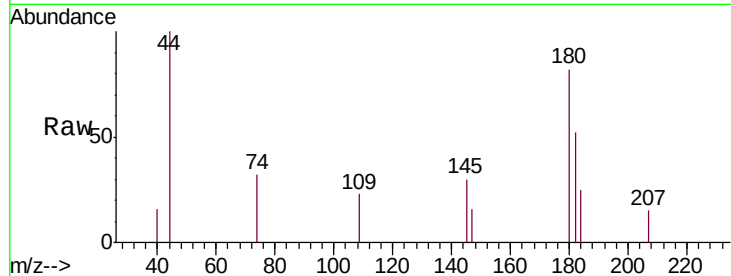




#93
 1,2,4-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

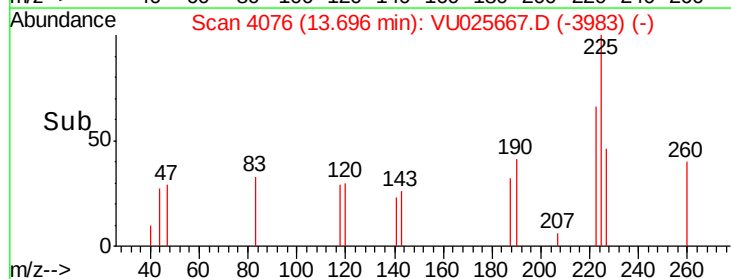
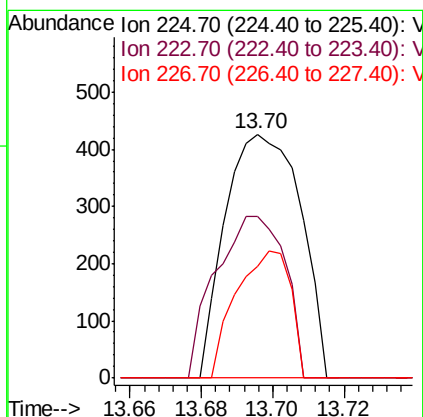
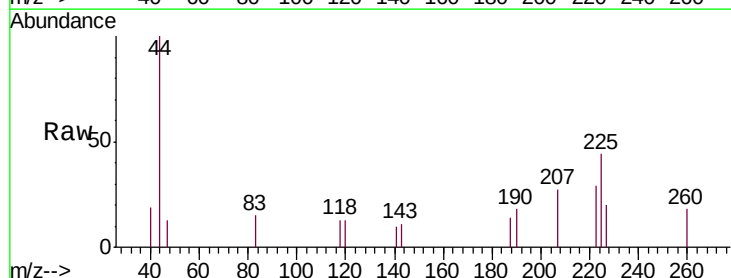
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

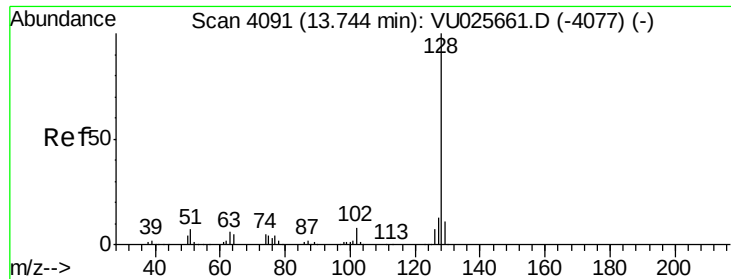
Tot Ion:180 Resp: 1063
 Ion Ratio Lower Upper
 180 100
 182 76.7 47.3 141.9
 145 23.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 0.37 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025667.D
 Acq: 27 Jul 2018 14:24

Tgt Ion:225 Resp: 622
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.9 95.7
 227 37.6 32.3 96.9





#95

Naphthalene

Concen: 1.47 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

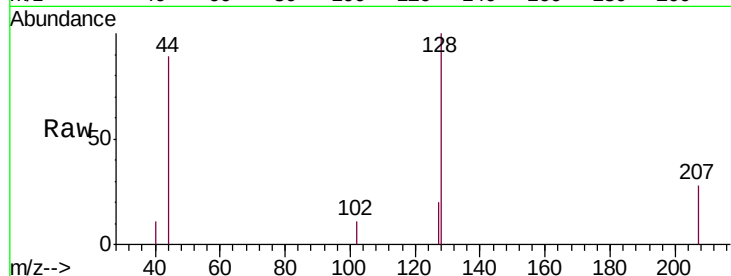
Tot Ion:128 Resp: 2296

Ion Ratio Lower Upper

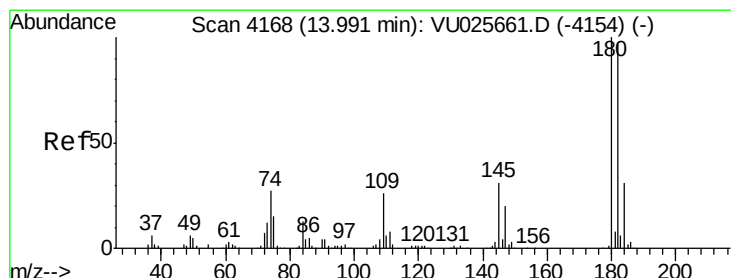
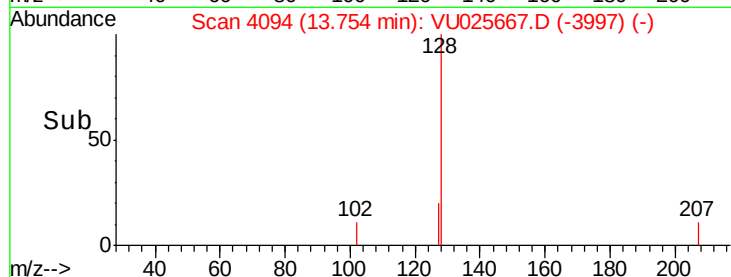
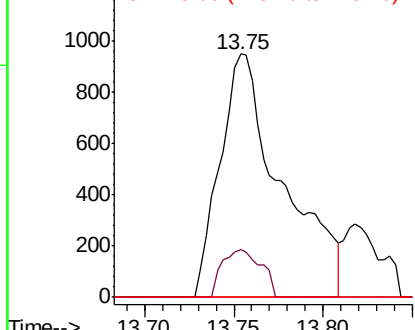
128 100

127 12.2 10.5 15.7

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.30 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.00 min

Lab File: VU025667.D

Acq: 27 Jul 2018 14:24

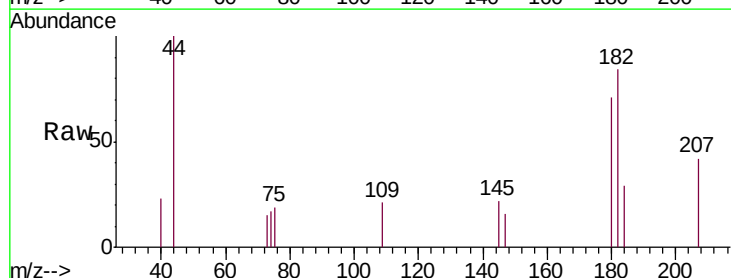
Tgt Ion:180 Resp: 959

Ion Ratio Lower Upper

180 100

182 108.7 47.8 143.3

145 11.1 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

