

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027603.D
 Acq On : 11 Oct 2018 16:54
 Operator : MD/SY
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Oct 12 02:49:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	112521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196711	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	92119	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	66483	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	7.57	98	241133	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	80487	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	2708	2.213	ug/l	96
3) Chloromethane	1.33	50	4256	2.220	ug/l	99
4) Vinyl Chloride	1.40	62	4158	2.307	ug/l	99
5) Bromomethane	1.62	94	2265	2.315	ug/l	92
6) Chloroethane	1.70	64	2282	0.967	ug/l	91
7) Trichlorofluoromethane	1.88	101	4498	2.234	ug/l	93
8) Diethyl Ether	2.11	74	1960	2.158	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2762	2.346	ug/l	97
10) Methyl Iodide	2.41	142	1520	4.380	ug/l #	90
11) Tert butyl alcohol	2.84	59	4688	11.043	ug/l #	94
12) 1,1-Dichloroethene	2.28	96	2665	2.308	ug/l	94
13) Acrolein	2.20	56	3726	11.063	ug/l	96
14) Allyl chloride	2.59	41	5710	2.038	ug/l	96
15) Acrylonitrile	2.94	53	10673	10.576	ug/l	97
16) Acetone	2.32	43	11653	10.974	ug/l	99
17) Carbon Disulfide	2.48	76	8805	2.224	ug/l	95
18) Methyl Acetate	2.62	43	5997	2.258	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9585	2.157	ug/l	96
20) Methylene Chloride	2.70	84	3379	2.248	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	2662	2.086	ug/l	95
22) Diisopropyl ether	3.58	45	11260	2.099	ug/l #	89
23) Vinyl Acetate	3.53	43	45724	10.075	ug/l	98
24) 1,1-Dichloroethane	3.45	63	5970	2.102	ug/l	98
25) 2-Butanone	4.28	43	15149	10.068	ug/l	94
26) 2,2-Dichloropropane	4.24	77	4534	1.991	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	3091	2.184	ug/l	95
28) Bromochloromethane	4.56	49	2881	2.056	ug/l #	96
29) Tetrahydrofuran	4.65	42	10167	10.774	ug/l	94
30) Chloroform	4.68	83	5630	2.229	ug/l	92
31) Cyclohexane	4.99	56	7845	1.693	ug/l #	59
32) 1,1,1-Trichloroethane	4.92	97	4789	2.248	ug/l	91
36) 1,1-Dichloropropene	5.14	75	4214	2.109	ug/l	94
37) Ethyl Acetate	4.39	43	5548	1.911	ug/l #	74
38) Carbon Tetrachloride	5.13	117	4000	2.171	ug/l	97

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

39) Methylcyclohexane	6.42	83	4290	1.903	ug/l #	88
40) Benzene	5.39	78	12588	2.083	ug/l	96
41) Methacrylonitrile	4.56	41	2742	2.302	ug/l	96
42) 1,2-Dichloroethane	5.41	62	4601	2.060	ug/l	99
43) Isopropyl Acetate	5.56	43	8025	1.934	ug/l #	95
44) Trichloroethene	6.19	130	2769	2.076	ug/l	100
45) 1,2-Dichloropropane	6.44	63	3628	2.110	ug/l	100
46) Dibromomethane	6.56	93	2010	1.986	ug/l	94
47) Bromodichloromethane	6.76	83	4178	2.052	ug/l	94
48) Methyl methacrylate	6.63	41	4115	3.244	ug/l	91
49) 1,4-Dioxane	6.62	88	1552	39.096	ug/l	94
51) 4-Methyl-2-Pentanone	7.47	43	26815	9.614	ug/l	98
52) Toluene	7.64	92	7313	2.116	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	4255	1.836	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	4715	1.869	ug/l	90
55) 1,1,2-Trichloroethane	8.07	97	2783	1.951	ug/l	96
56) Ethyl methacrylate	8.03	69	4255	3.723	ug/l	93
57) 1,3-Dichloropropane	8.25	76	5631	2.078	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	11382	13.168	ug/l	99
59) 2-Hexanone	8.37	43	20209	9.287	ug/l	94
60) Dibromochloromethane	8.48	129	2698	1.893	ug/l	98
61) 1,2-Dibromoethane	8.59	107	2971	1.978	ug/l	94
64) Tetrachloroethene	8.23	164	2531	2.323	ug/l	93
65) Chlorobenzene	9.12	112	7457	2.050	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	2555	2.054	ug/l	99
67) Ethyl Benzene	9.25	91	12249	1.963	ug/l	96
68) m/p-Xylenes	9.38	106	8370	3.673	ug/l	98
69) o-Xylene	9.78	106	4030	1.819	ug/l	100
70) Styrene	9.80	104	6018	2.693	ug/l	95
71) Bromoform	9.96	173	1899	1.836	ug/l #	96
73) Isopropylbenzene	10.17	105	10584	2.031	ug/l	99
74) N-amyl acetate	10.02	43	5601	1.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	5161	2.302	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	5963	2.685	ug/l	88
77) Bromobenzene	10.46	156	2817	2.206	ug/l	94
78) n-propylbenzene	10.59	91	12851	2.031	ug/l	99
79) 2-Chlorotoluene	10.66	91	8607	2.218	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	8696	1.678	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.50	75	5963	3.164	ug/l #	100
82) 4-Chlorotoluene	10.77	91	9063	2.090	ug/l	97
83) tert-Butylbenzene	11.10	119	8756	2.056	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	8364	1.749	ug/l	98
85) sec-Butylbenzene	11.33	105	9984	2.060	ug/l	96
86) p-Isopropyltoluene	11.48	119	8329	2.168	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	4864	2.052	ug/l	96
88) 1,4-Dichlorobenzene	11.42	146	4864	1.938	ug/l	95
89) n-Butylbenzene	11.89	91	6917	2.997	ug/l	96
90) Hexachloroethane	12.15	117	1755	2.037	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	5034	2.106	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1032	2.106	ug/l	95

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QLast Update : Thu Oct 11 10:41:56 2018
Response via : Initial Calibration

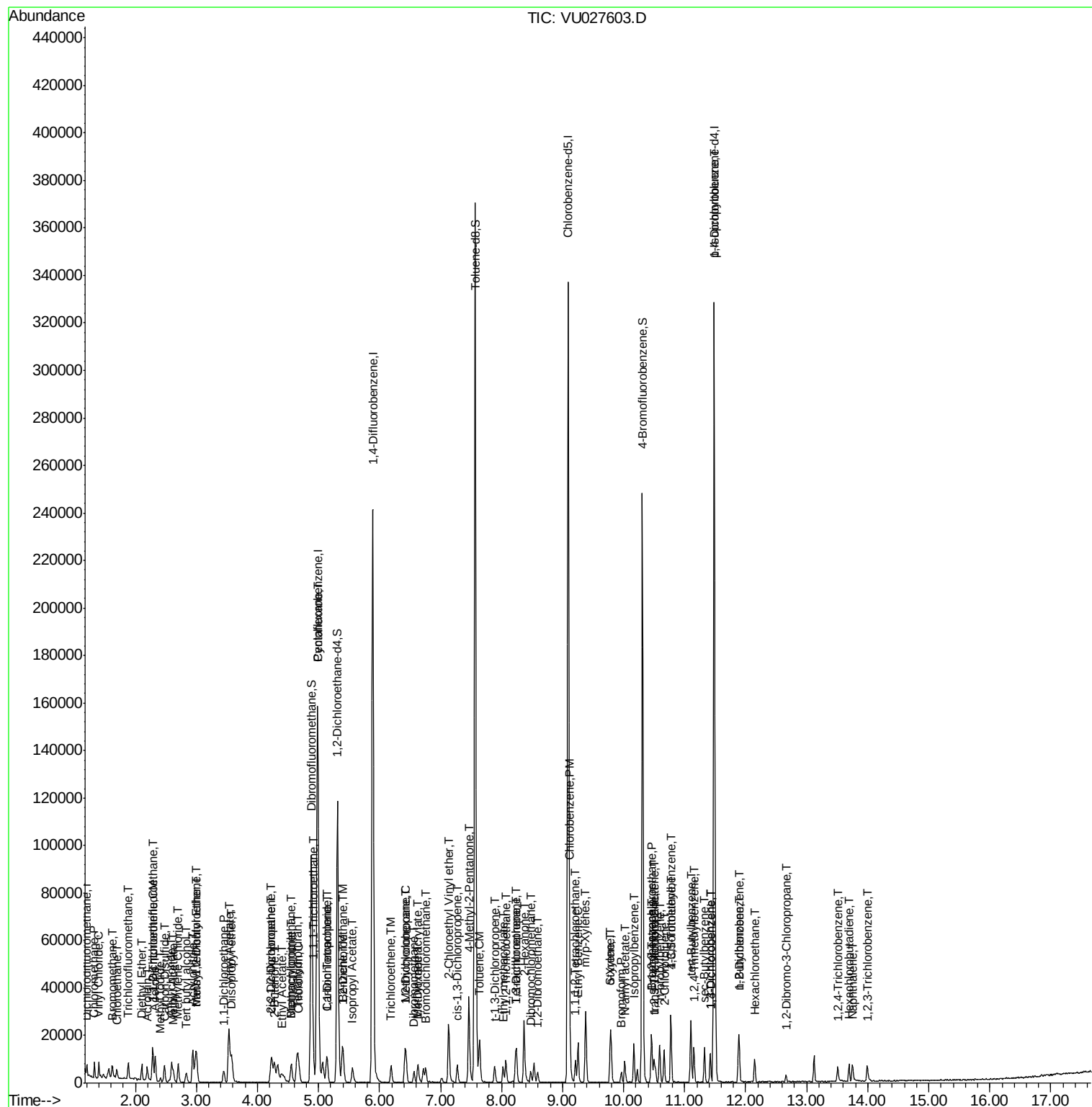
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	2727	3.235	ug/l	92
94) Hexachlorobutadiene	13.69	225	1452	1.893	ug/l	97
95) Naphthalene	13.75	128	8720	2.750	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.99	180	2923	1.857	ug/l	94

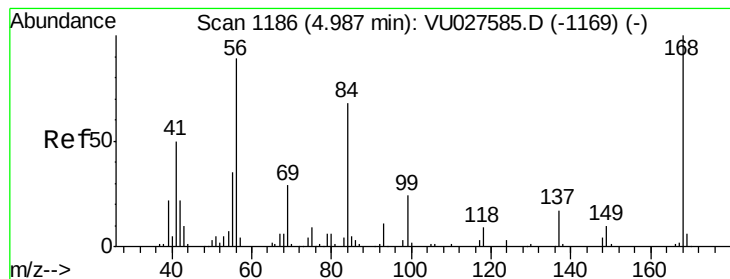
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

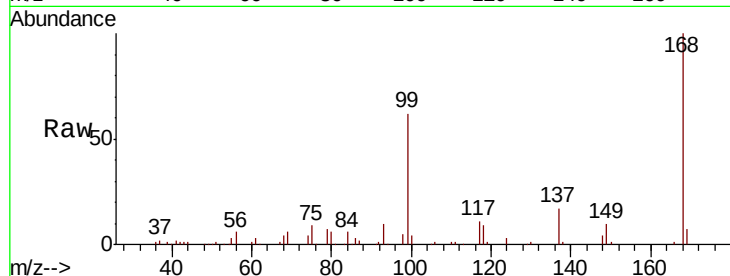
LOQ-WATER-02-QT4-2018

Tgt Ion:168 Resp: 112521

Ion Ratio Lower Upper

168 100

99 61.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.99

50000

40000

30000

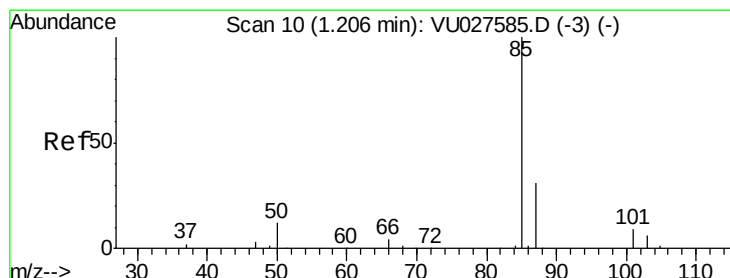
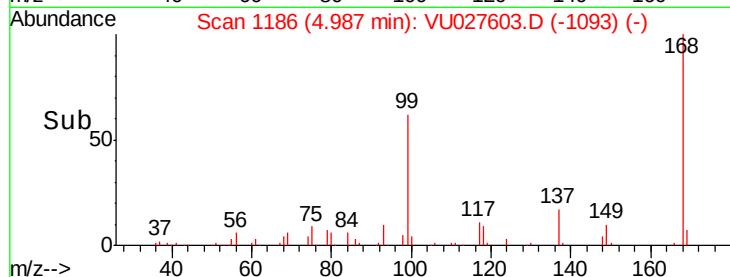
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.213 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027603.D

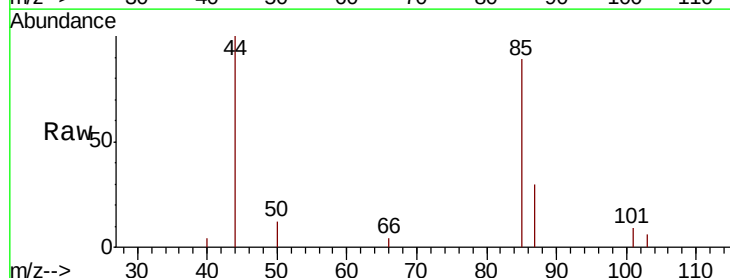
Acq: 11 Oct 2018 16:54

Tgt Ion: 85 Resp: 2708

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

3000

2500

2000

1500

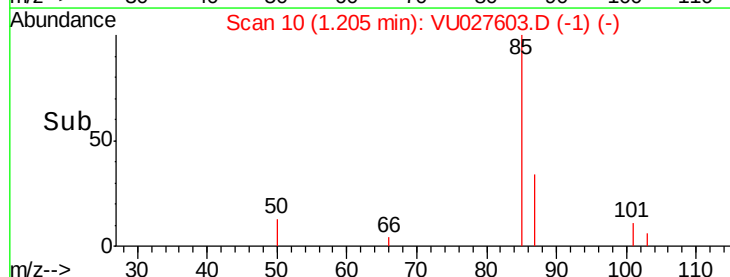
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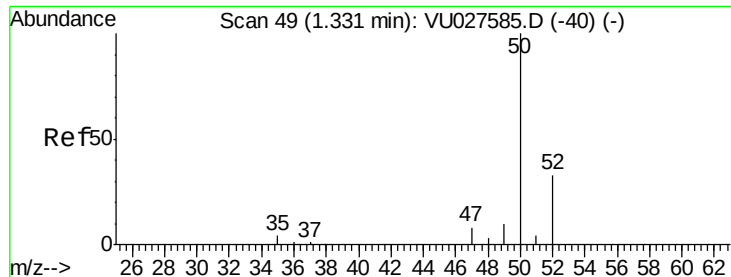
500

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 2.220 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

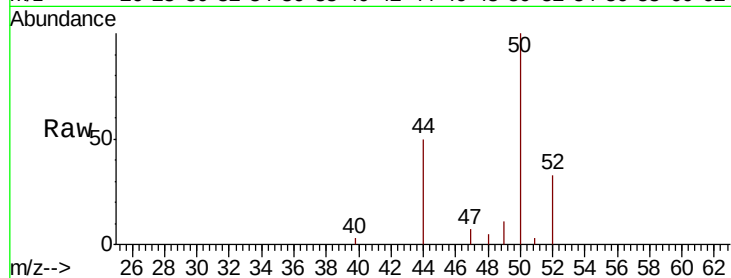
LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 4256

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027585.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027603.D (-1) (-)

1.33

4000

3000

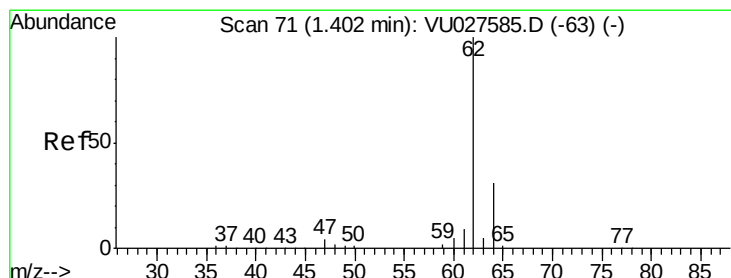
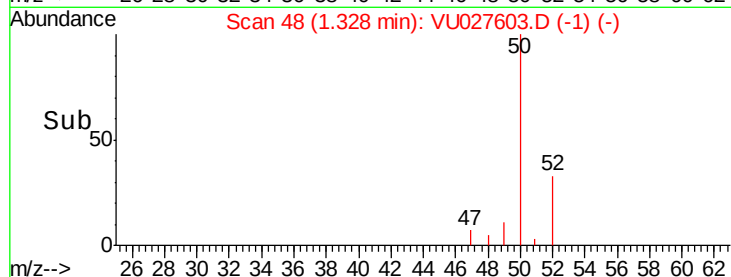
2000

1000

0

1.30 1.32 1.34 1.36

Time-->



#4

Vinyl Chloride

Concen: 2.307 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027603.D

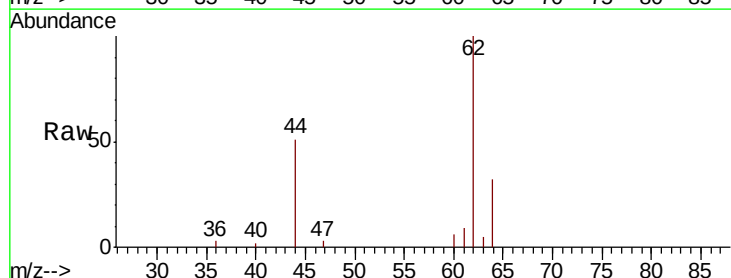
Acq: 11 Oct 2018 16:54

Tgt Ion: 62 Resp: 4158

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027585.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027603.D (-1) (-)

1.40

4000

3000

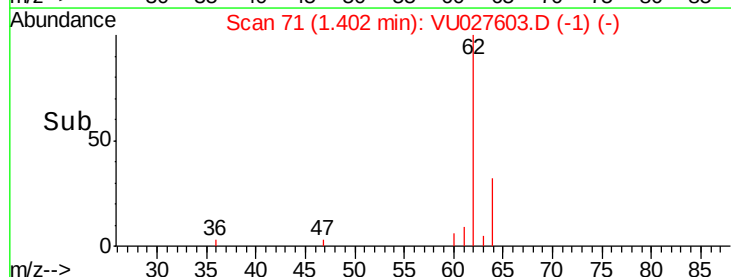
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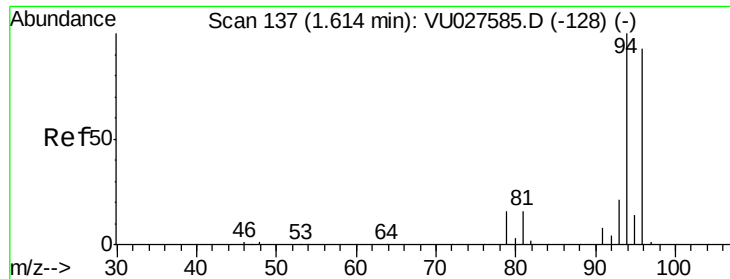
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0

1.36 1.38 1.40 1.42 1.44

Time-->

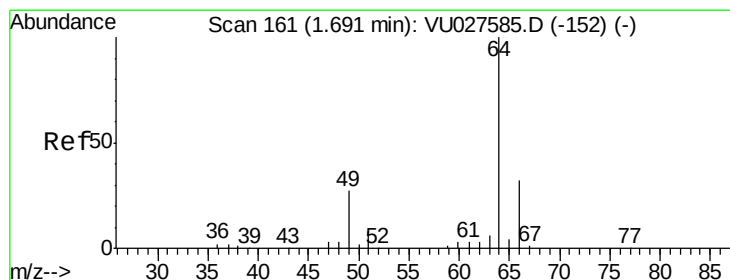
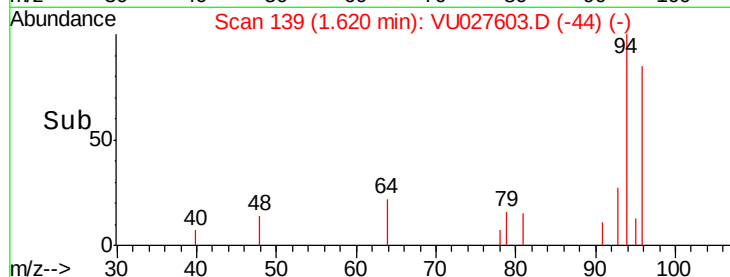
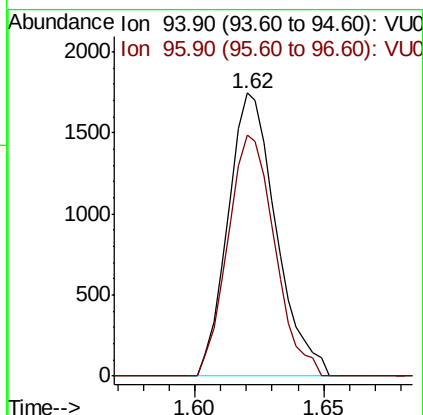
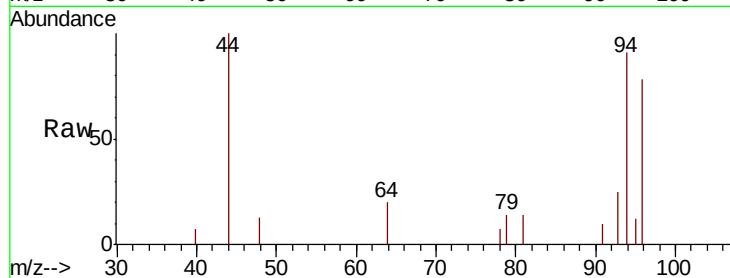




#5
 Bromomethane
 Concen: 2.315 ug/l
 RT: 1.62 min Scan# 139
 Delta R.T. 0.01 min
 Lab File: VU027603.D
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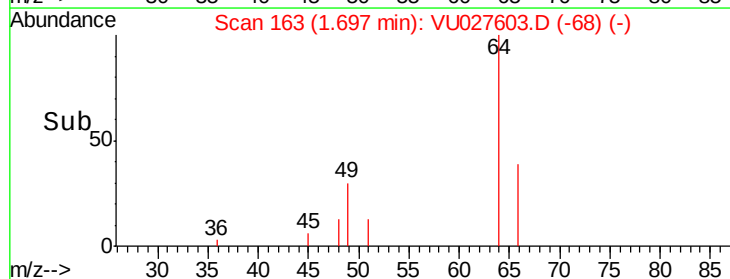
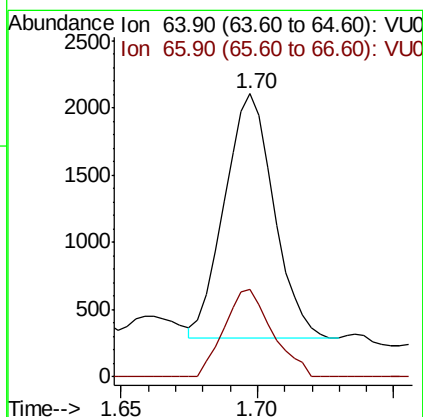
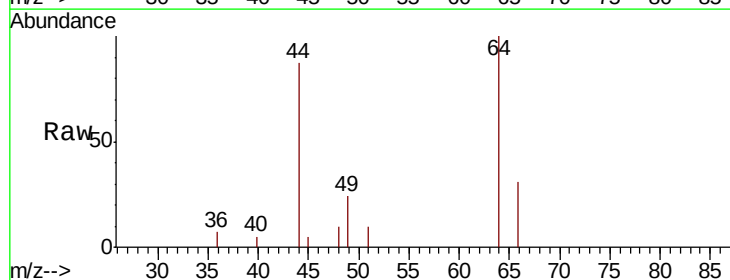
Instrument :
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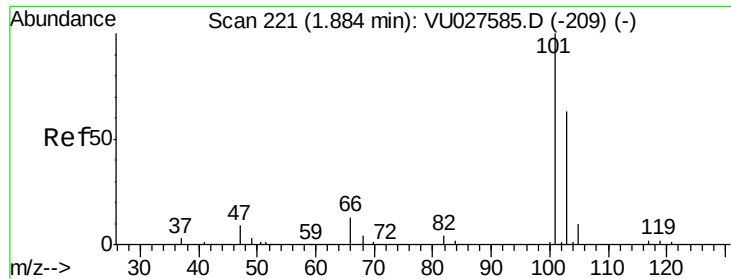
Tgt Ion: 94 Resp: 2265
 Ion Ratio Lower Upper
 94 100
 96 85.3 74.6 111.8



#6
 Chloroethane
 Concen: 0.967 ug/l
 RT: 1.70 min Scan# 163
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 64 Resp: 2282
 Ion Ratio Lower Upper
 64 100
 66 35.6 24.6 36.8



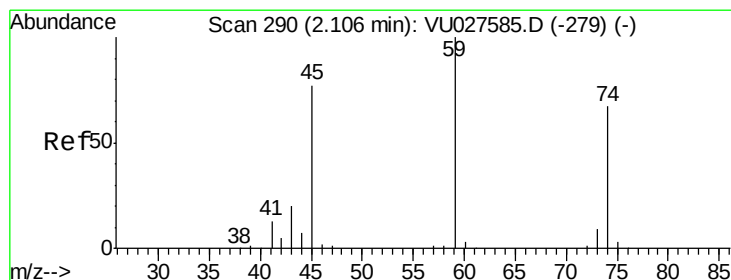
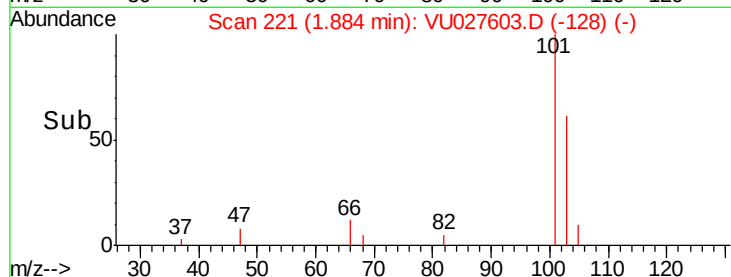
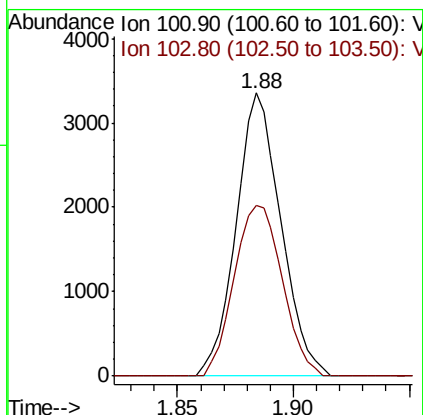
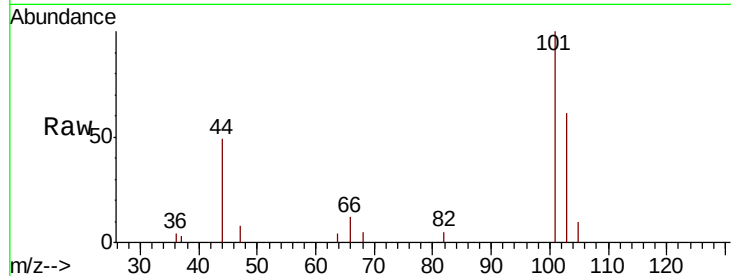


#7

Trichlorofluoromethane
 Concen: 2.234 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

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

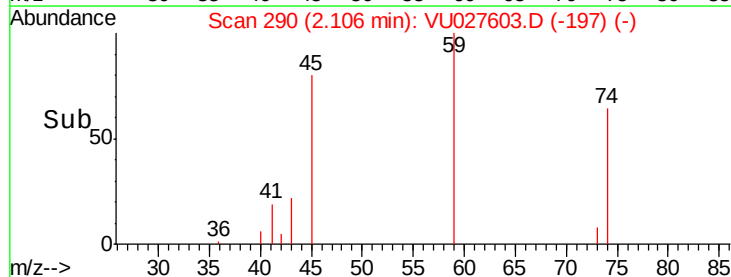
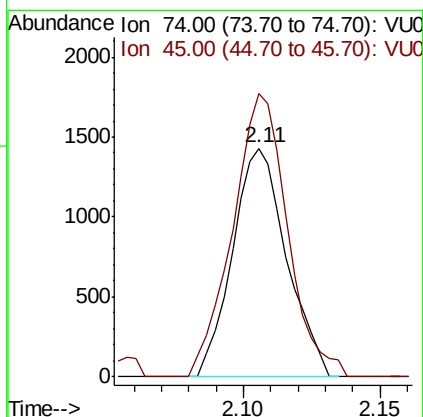
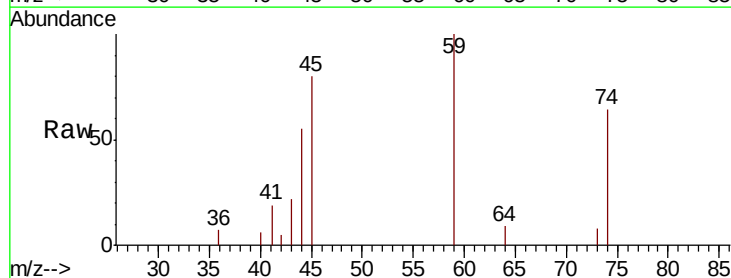
Tgt Ion: 101 Resp: 4498
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.6 78.8

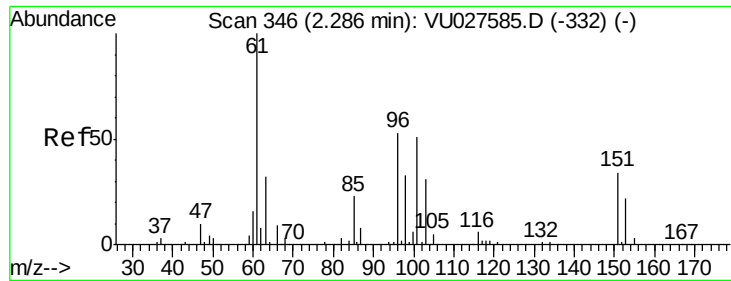


#8

Diethyl Ether
 Concen: 2.158 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 74 Resp: 1960
 Ion Ratio Lower Upper
 74 100
 45 126.2 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.346 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

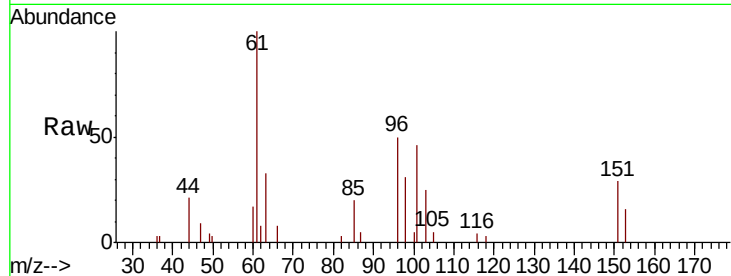
Tgt Ion:101 Resp: 2762

Ion Ratio Lower Upper

101 100

85 42.8 37.5 56.3

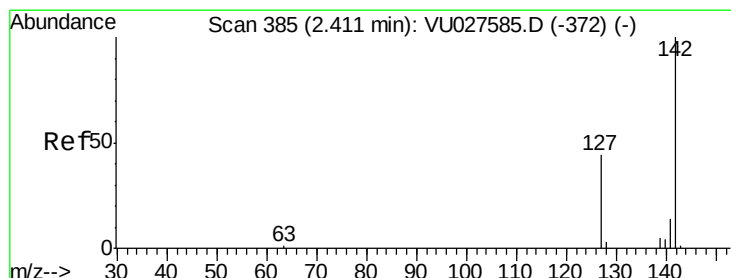
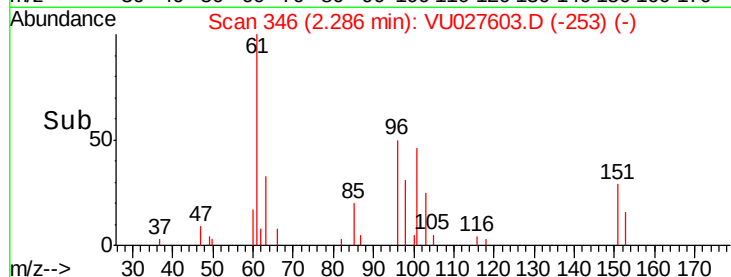
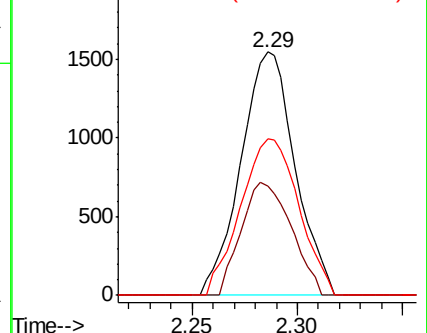
151 69.0 55.6 83.4



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: 4.380 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

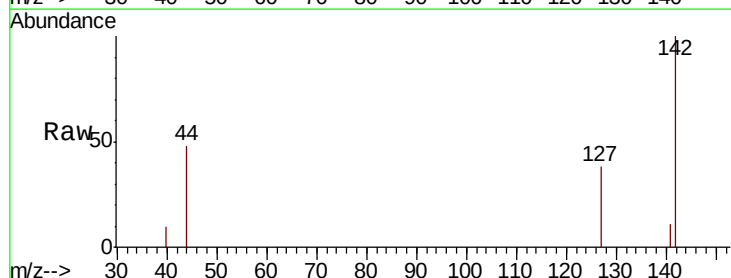
Tgt Ion:142 Resp: 1520

Ion Ratio Lower Upper

142 100

127 38.4 36.3 54.5

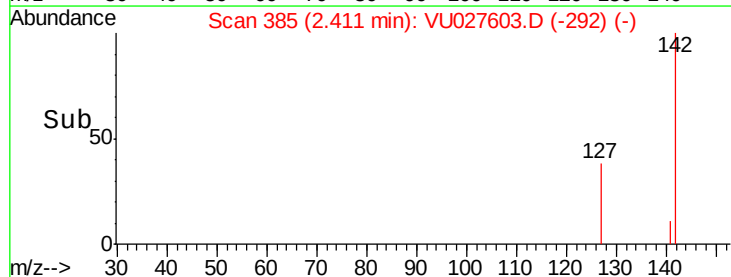
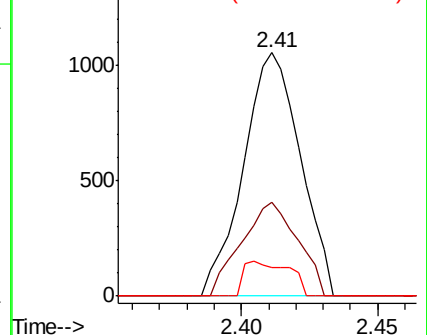
141 11.4 11.6 17.4#

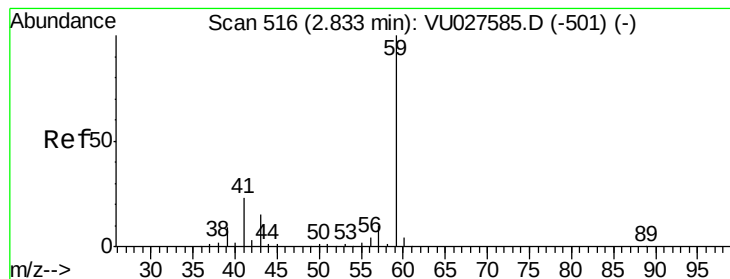


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 11.043 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

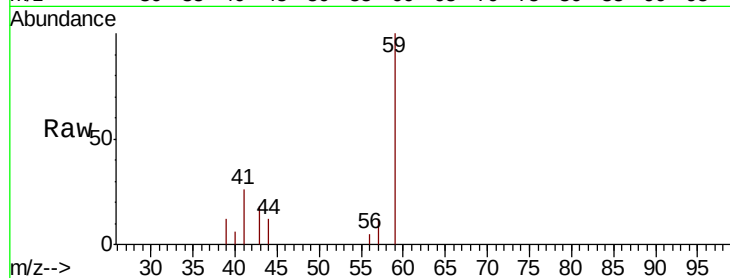
LOQ-WATER-02-QT4-2018

Tgt Ion: 59 Resp: 4688

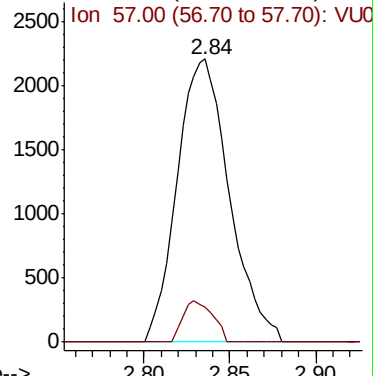
Ion Ratio Lower Upper

59 100

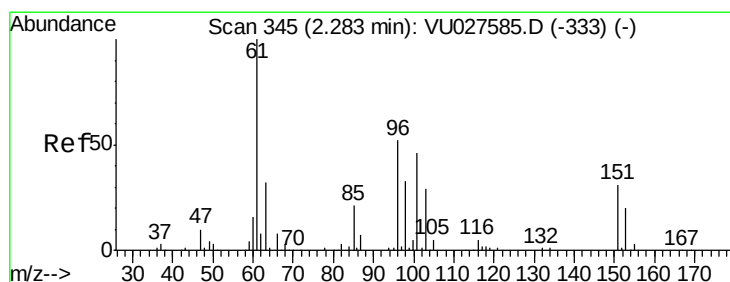
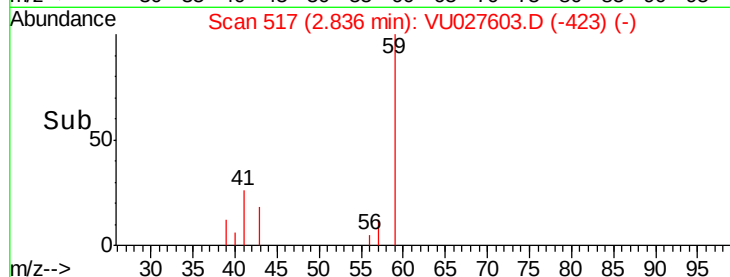
57 8.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027603.D (-423) (-)



Time-->



#12

1,1-Dichloroethene

Concen: 2.308 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

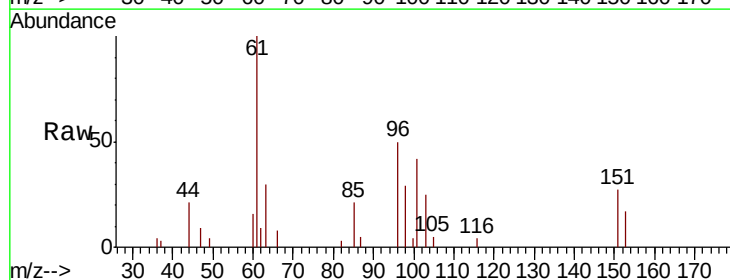
Tgt Ion: 96 Resp: 2665

Ion Ratio Lower Upper

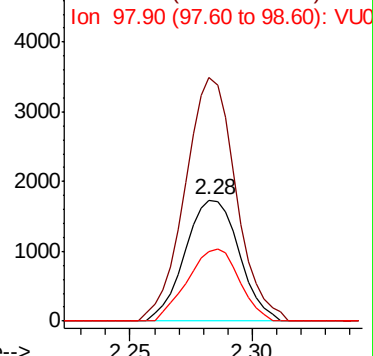
96 100

61 201.0 153.0 229.6

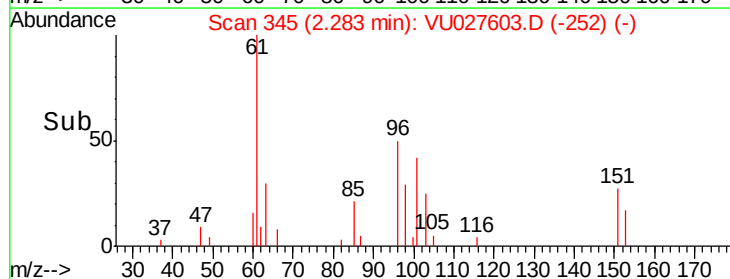
98 57.6 49.3 73.9

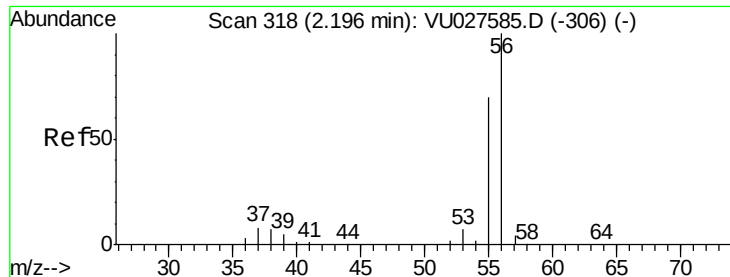


Abundance Ion 95.90 (95.60 to 96.60): VU027603.D (-252) (-)



Time-->





#13

Acrolein

Concen: 11.063 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

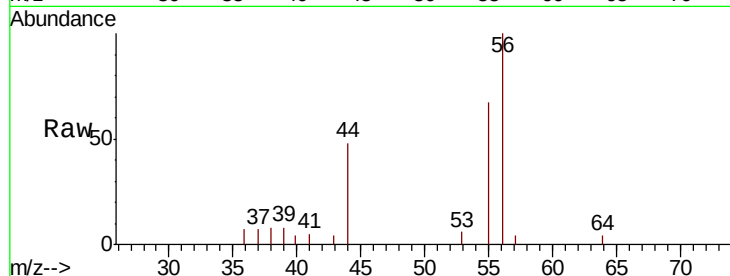
LOQ-WATER-02-QT4-2018

Tgt Ion: 56 Resp: 3726

Ion Ratio Lower Upper

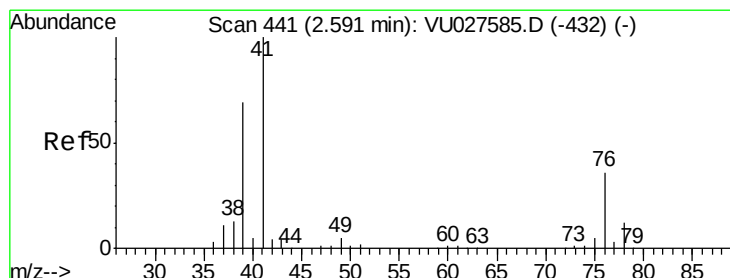
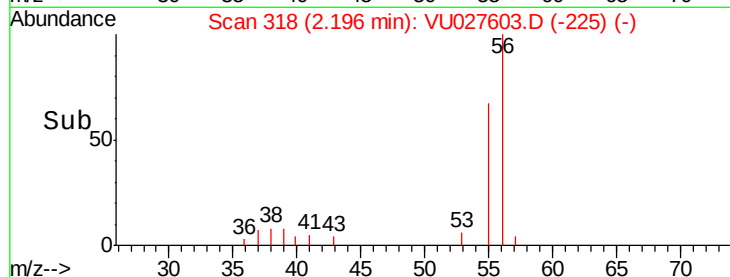
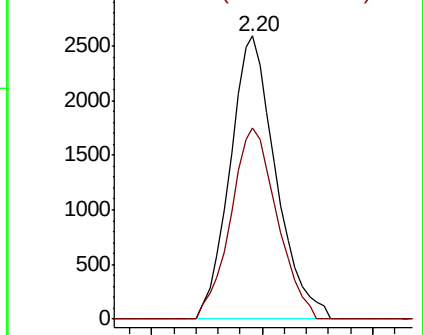
56 100

55 68.4 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 2.038 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

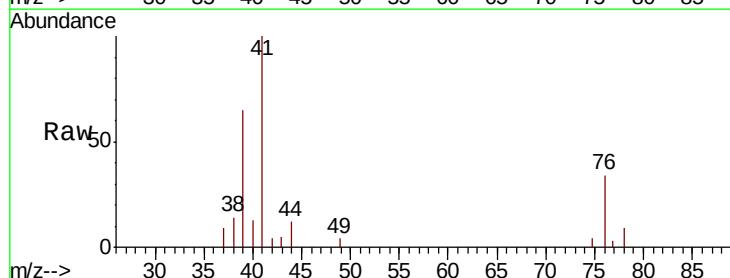
Tgt Ion: 41 Resp: 5710

Ion Ratio Lower Upper

41 100

39 60.2 51.8 77.8

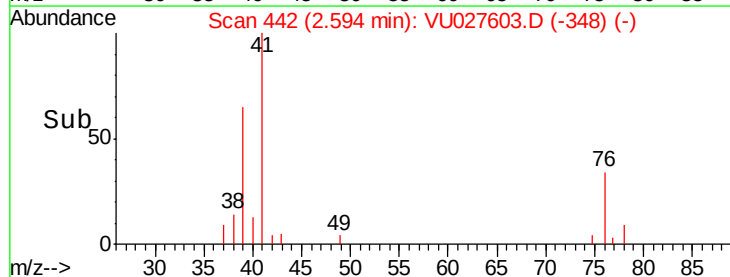
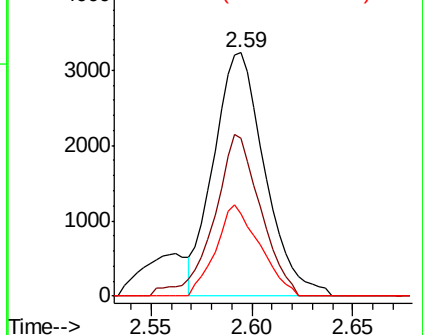
76 32.2 25.9 38.9

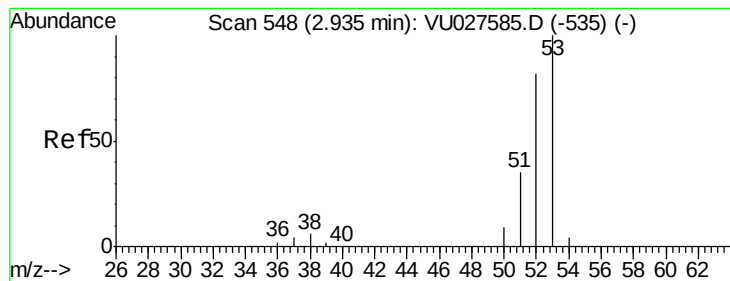


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 10.576 ug/l

RT: 2.94 min Scan# 550

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

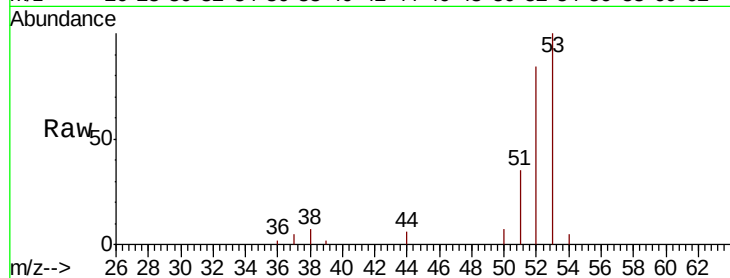
Tgt Ion: 53 Resp: 10673

Ion Ratio Lower Upper

53 100

52 85.6 66.5 99.7

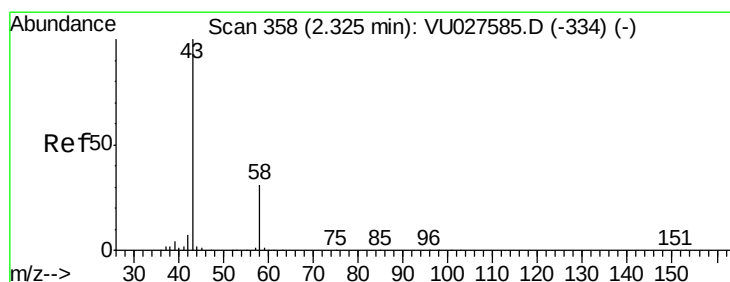
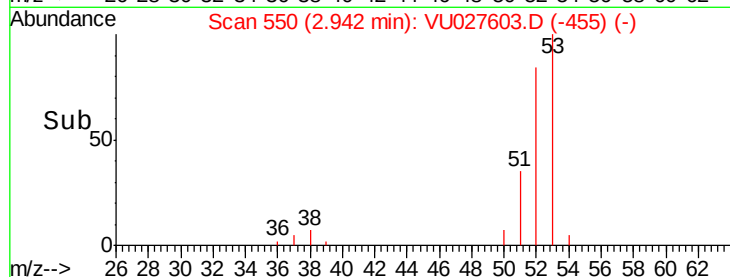
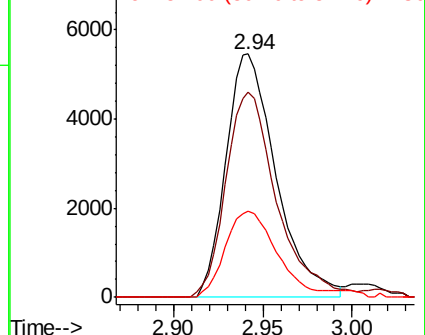
51 36.4 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 10.974 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027603.D

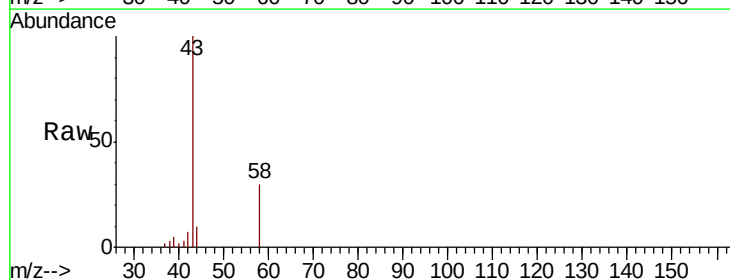
Acq: 11 Oct 2018 16:54

Tgt Ion: 43 Resp: 11653

Ion Ratio Lower Upper

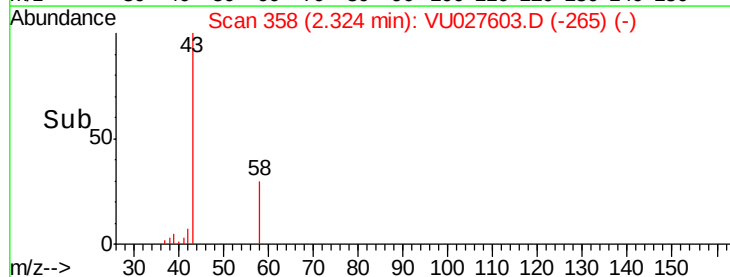
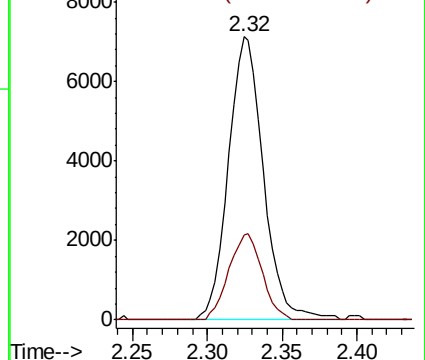
43 100

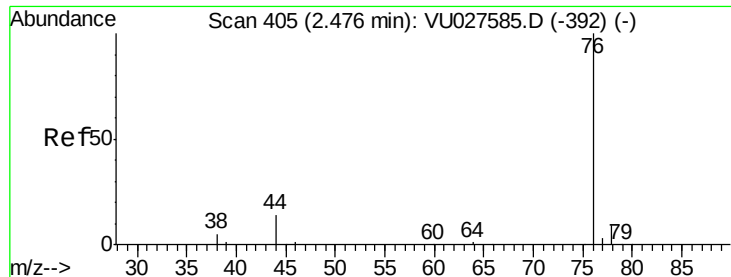
58 29.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 2.224 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

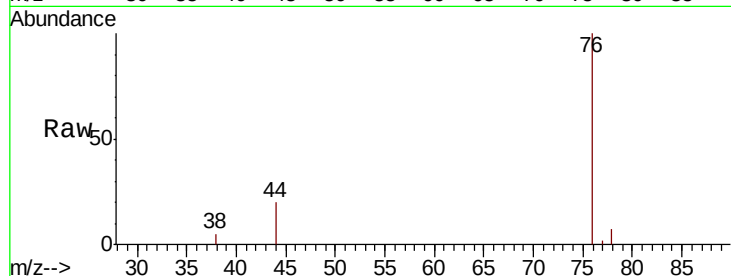
LOQ-WATER-02-QT4-2018

Tgt Ion: 76 Resp: 8805

Ion Ratio Lower Upper

76 100

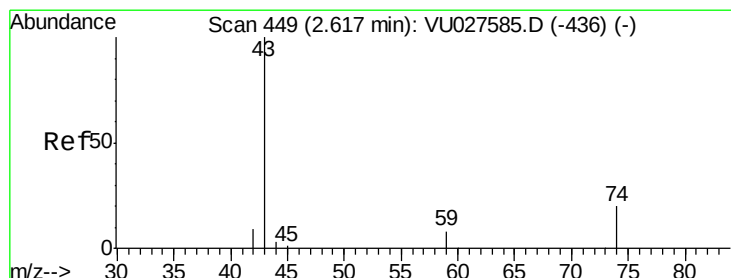
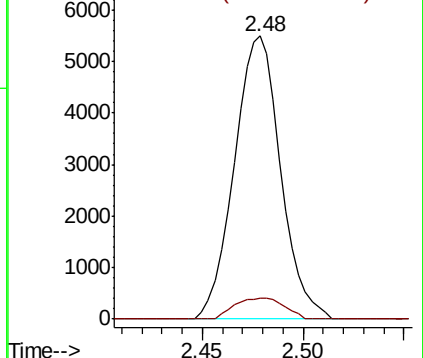
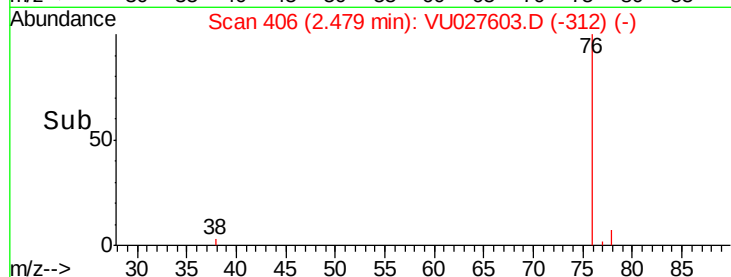
78 7.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU027585.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU027603.D (-312) (-)

2.48



#18

Methyl Acetate

Concen: 2.258 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027603.D

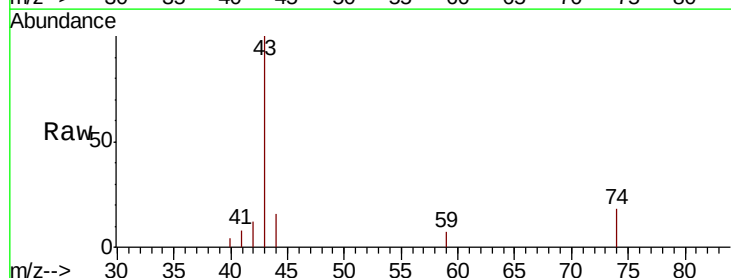
Acq: 11 Oct 2018 16:54

Tgt Ion: 43 Resp: 5997

Ion Ratio Lower Upper

43 100

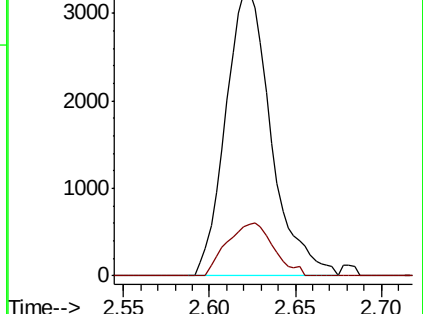
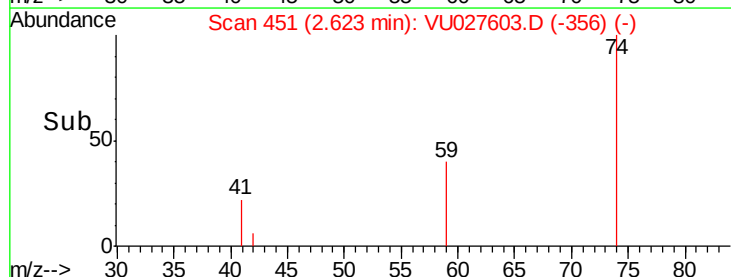
74 19.0 16.5 24.7

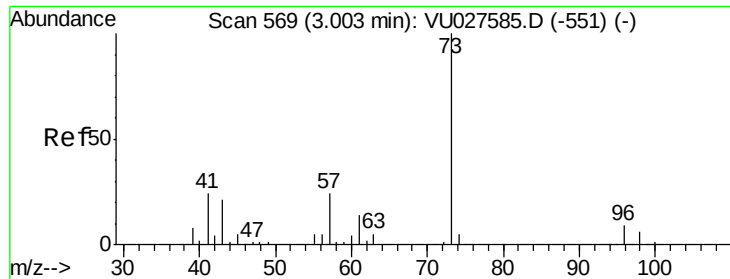


Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-436) (-)

Ion 74.00 (73.70 to 74.70): VU027603.D (-356) (-)

2.62

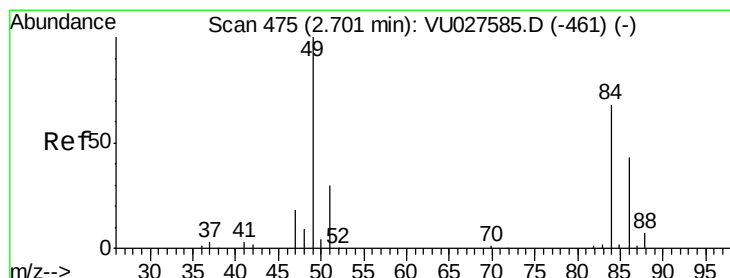
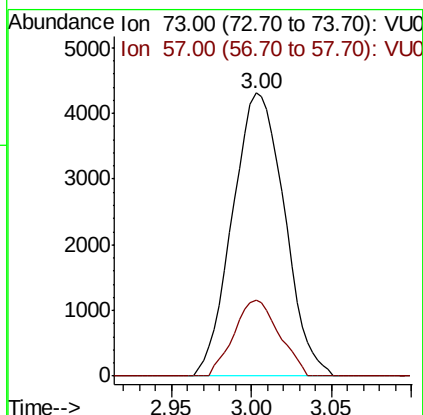
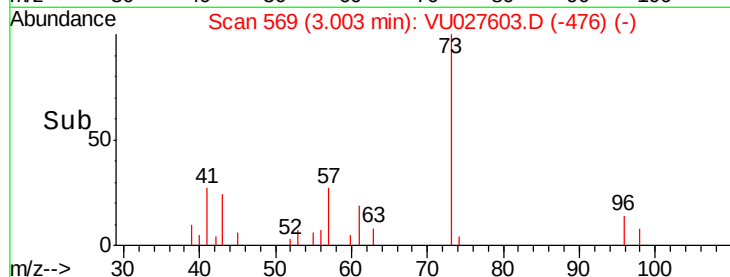
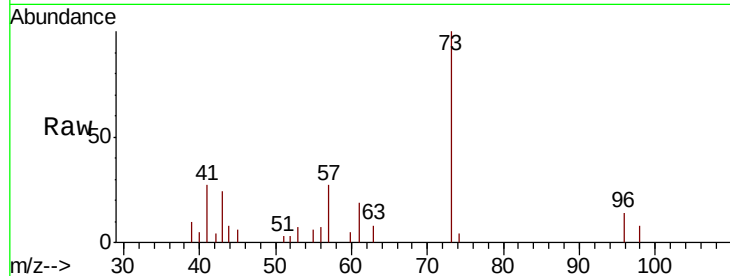




#19
Methyl tert-butyl Ether
Concen: 2.157 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

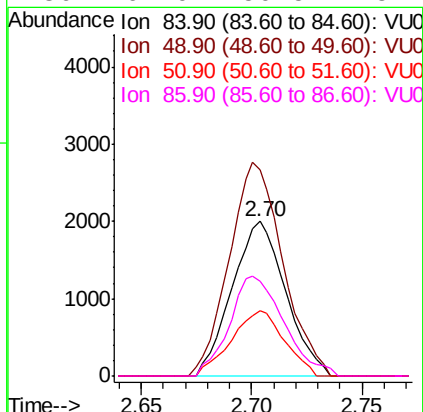
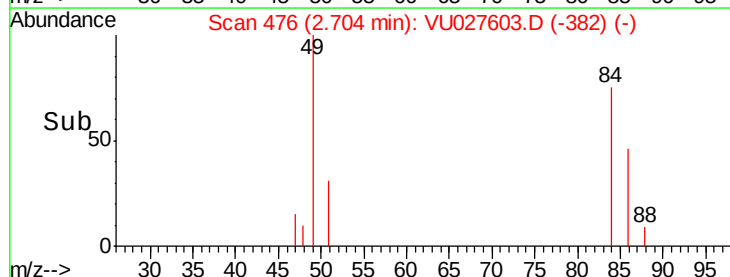
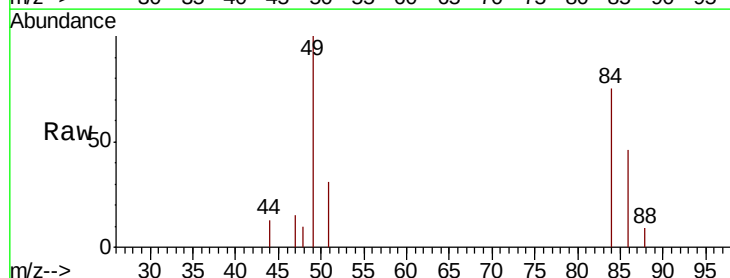
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

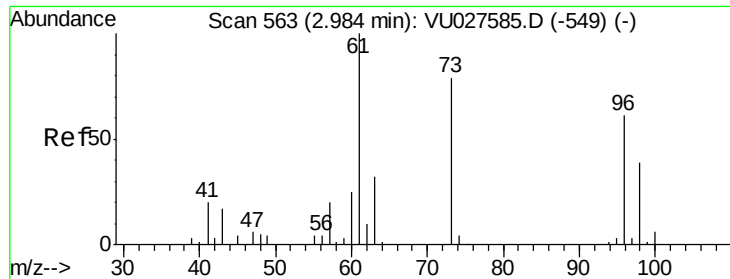
Tgt Ion: 73 Resp: 9585
Ion Ratio Lower Upper
73 100
57 26.8 20.0 30.0



#20
Methylene Chloride
Concen: 2.248 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 84 Resp: 3379
Ion Ratio Lower Upper
84 100
49 133.9 120.5 180.7
51 42.0 35.1 52.7
86 61.0 50.5 75.7

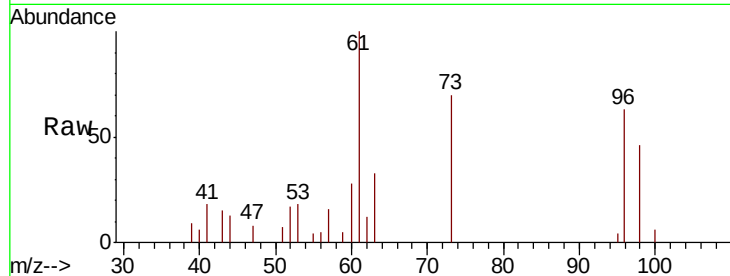




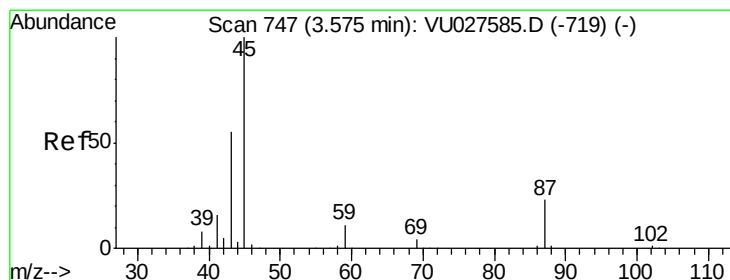
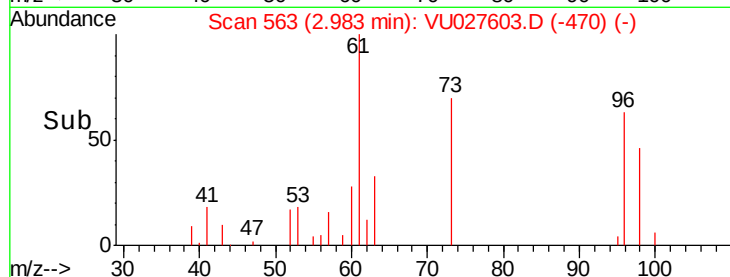
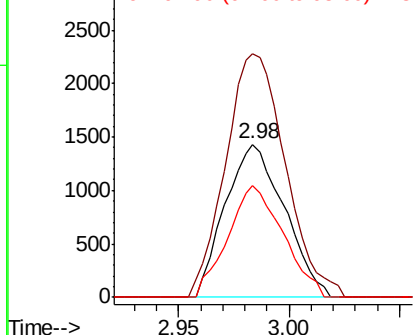
#21
trans-1,2-Dichloroethene
Concen: 2.086 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

Tgt Ion: 96 Resp: 2662
Ion Ratio Lower Upper
96 100
61 159.3 129.4 194.2
98 72.9 51.2 76.8

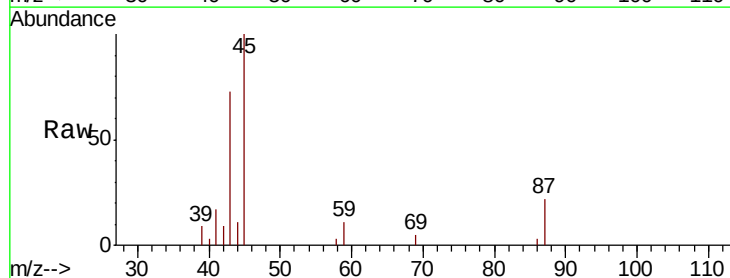


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

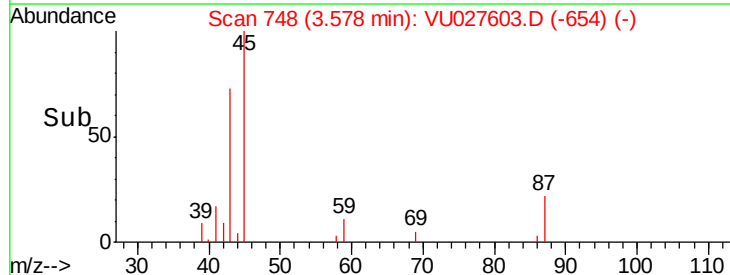
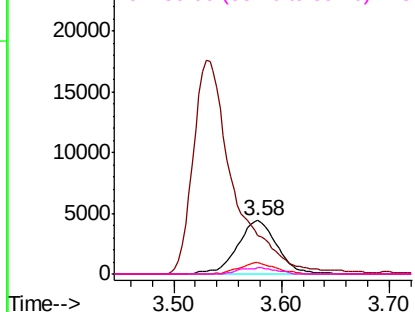


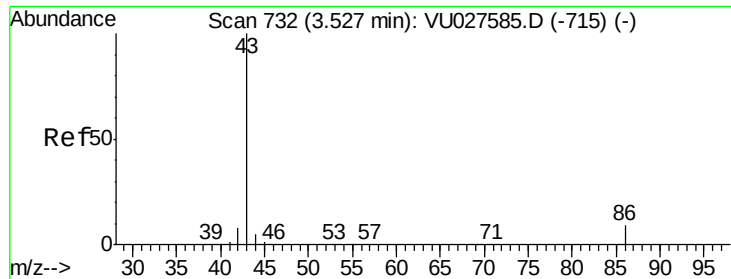
#22
Diisopropyl ether
Concen: 2.099 ug/l
RT: 3.58 min Scan# 748
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 45 Resp: 11260
Ion Ratio Lower Upper
45 100
43 66.1 43.4 65.2#
87 21.6 17.5 26.3
59 11.2 8.6 13.0



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





#23

Vinyl Acetate

Concen: 10.075 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

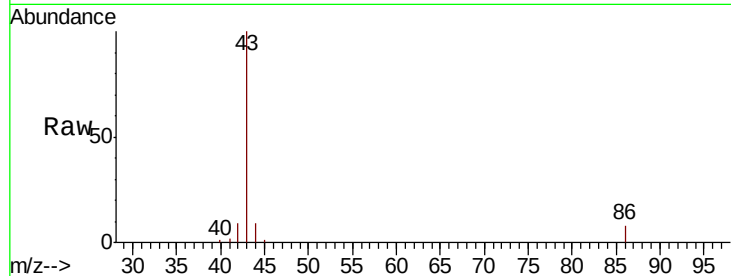
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 45724

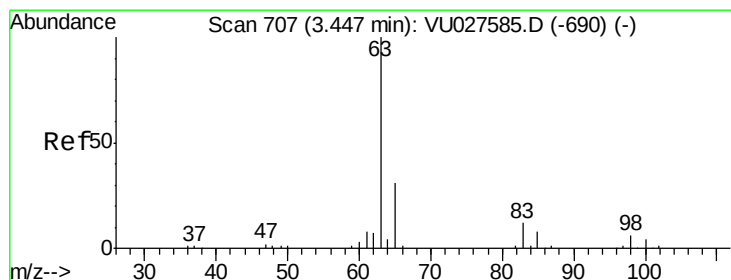
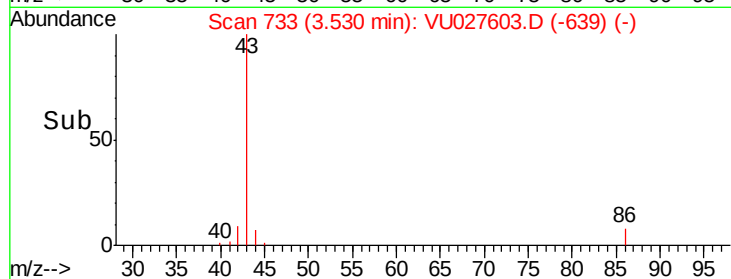
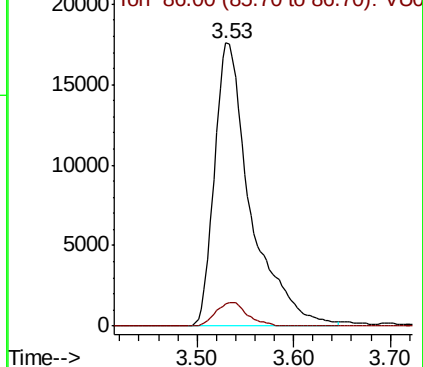
Ion Ratio Lower Upper

43 100

86 7.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU027603.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 2.102 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

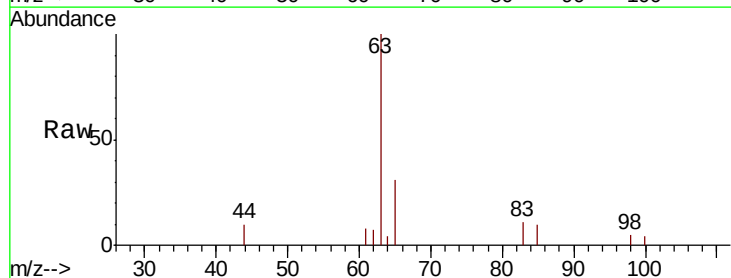
Tgt Ion: 63 Resp: 5970

Ion Ratio Lower Upper

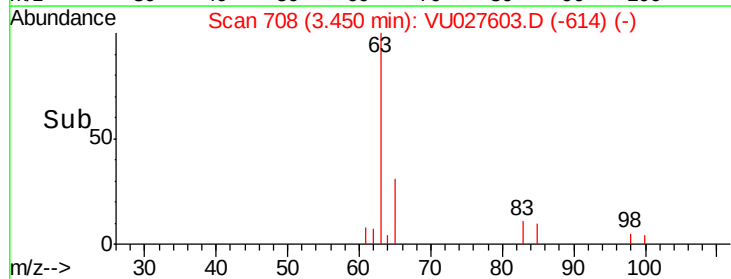
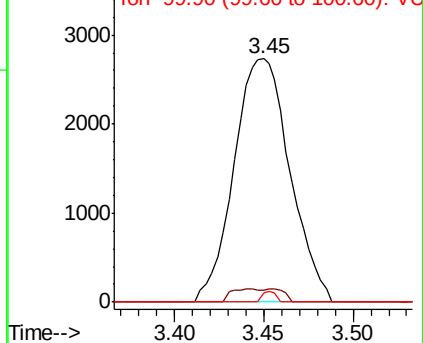
63 100

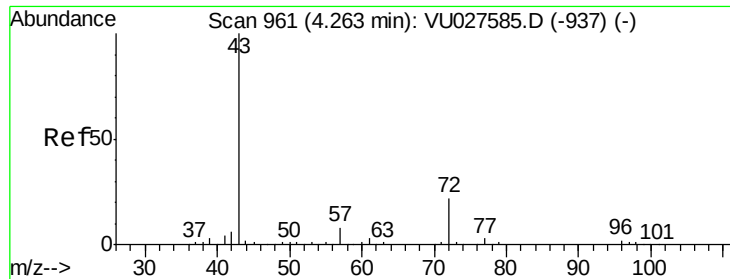
98 4.8 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027603.D (-614) (-)





#25

2-Butanone

Concen: 10.068 ug/l

RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

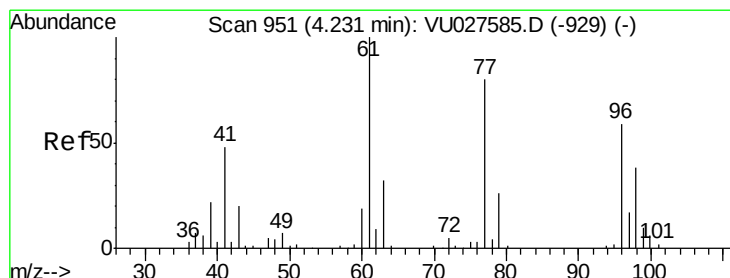
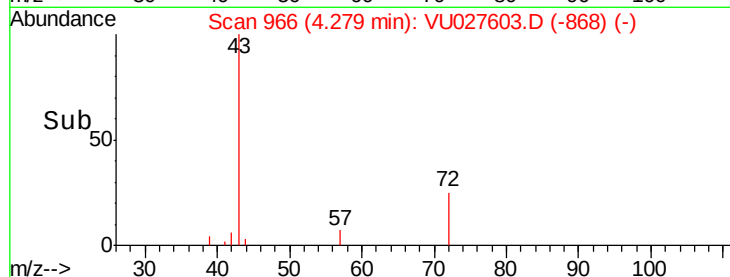
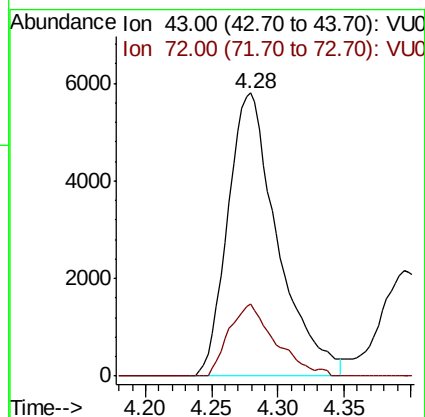
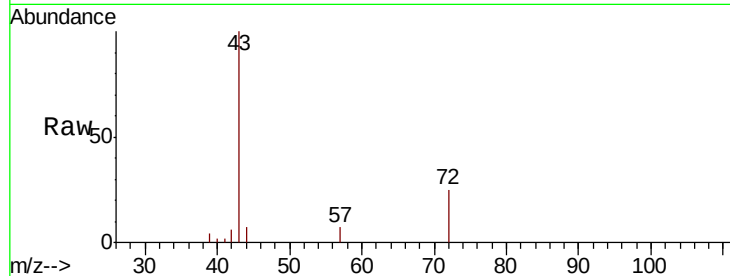
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 15149

Ion Ratio Lower Upper

43 100

72 25.3 17.8 26.6



#26

2,2-Dichloropropane

Concen: 1.991 ug/l

RT: 4.24 min Scan# 953

Delta R.T. 0.01 min

Lab File: VU027603.D

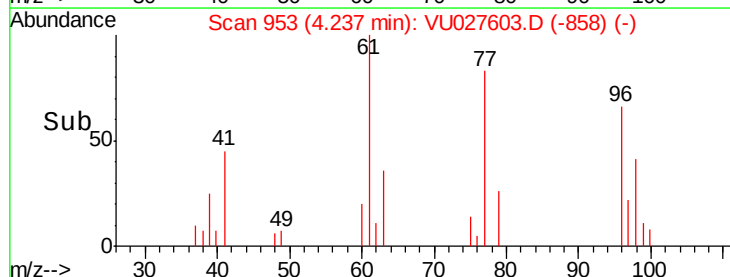
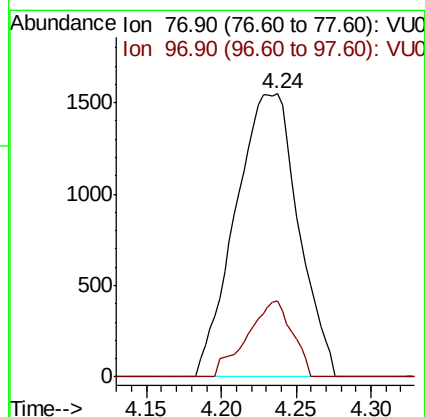
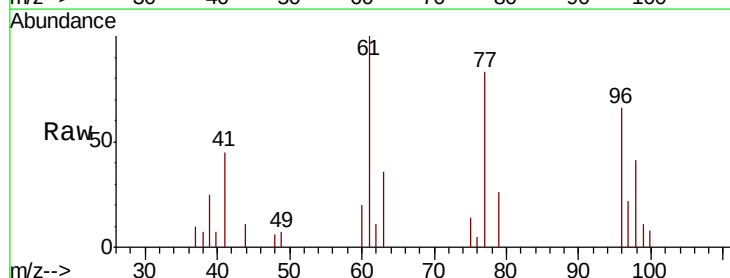
Acq: 11 Oct 2018 16:54

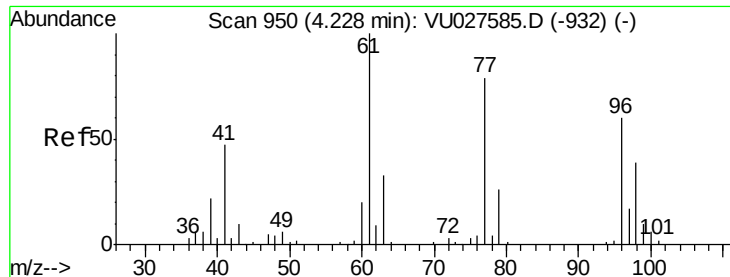
Tgt Ion: 77 Resp: 4534

Ion Ratio Lower Upper

77 100

97 19.3 10.4 31.1



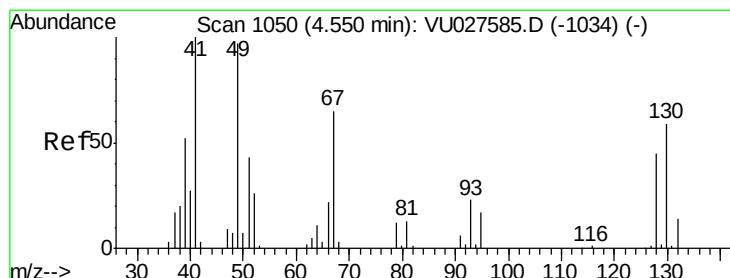
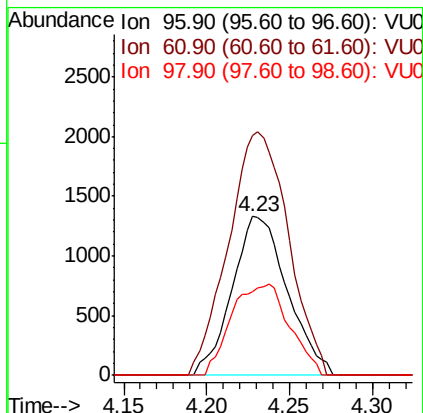
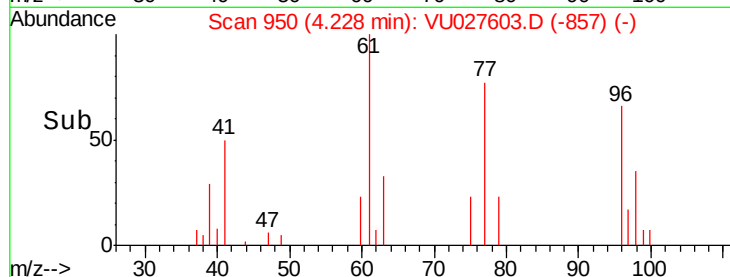
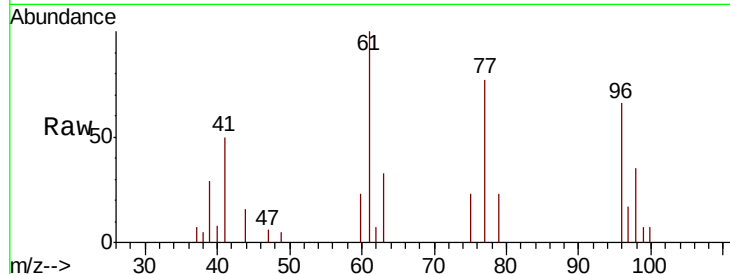


#27

cis-1,2-Dichloroethene
Concen: 2.184 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

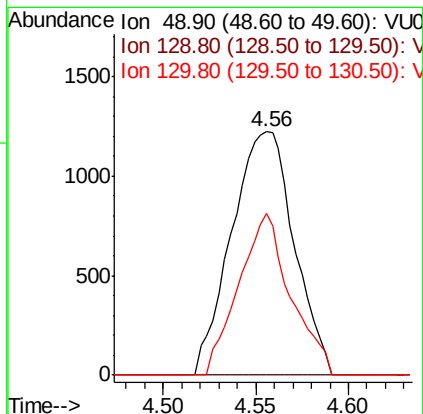
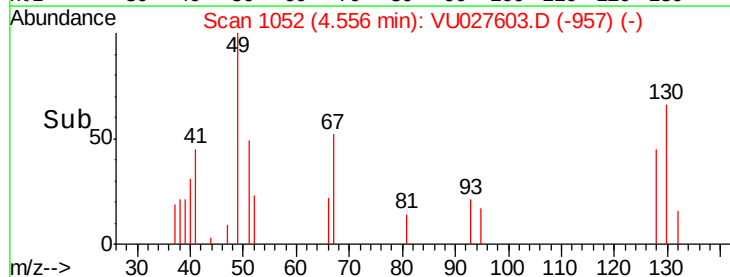
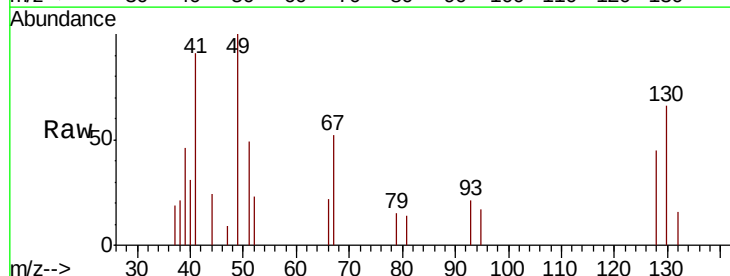
Tgt Ion: 96 Resp: 3091
Ion Ratio Lower Upper
96 100
61 165.8 0.0 343.8
98 59.8 0.0 129.0

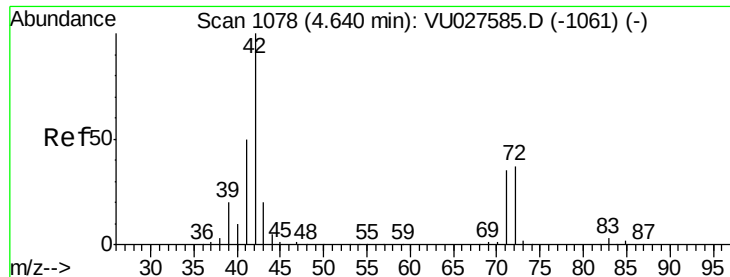


#28

Bromochloromethane
Concen: 2.056 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 49 Resp: 2881
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 54.9 46.1 69.1

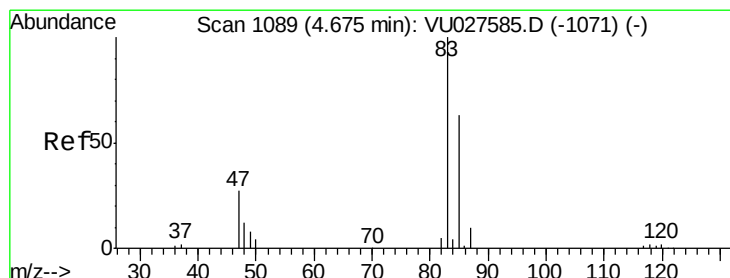
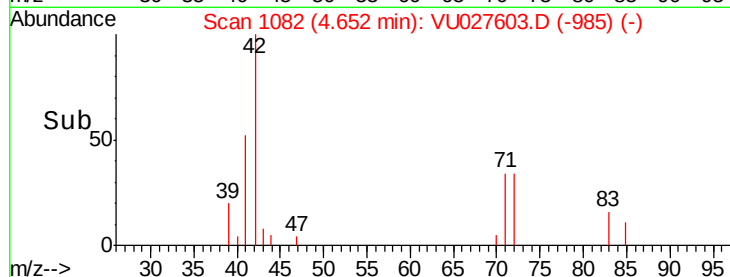
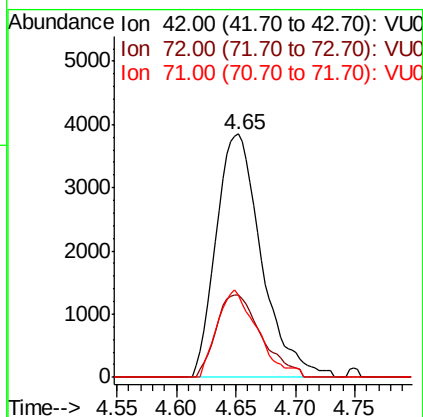
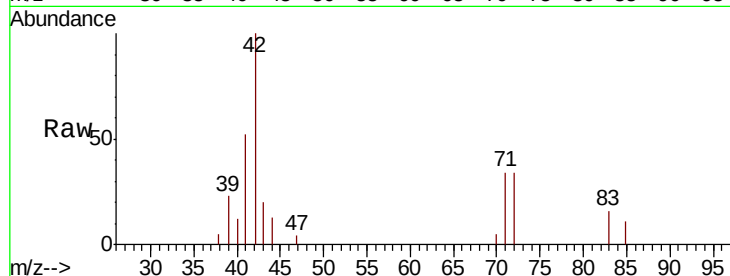




#29
Tetrahydrofuran
Concen: 10.774 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

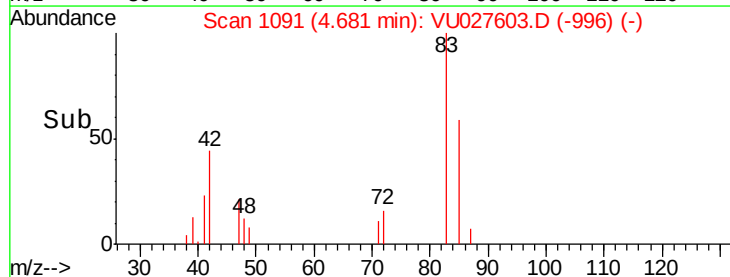
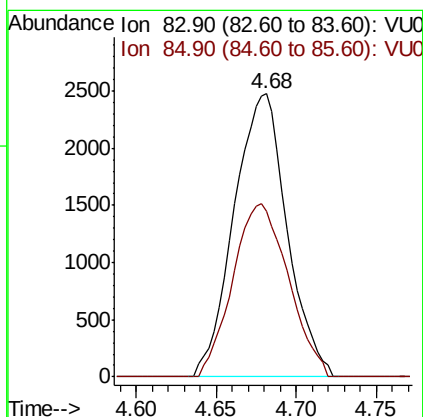
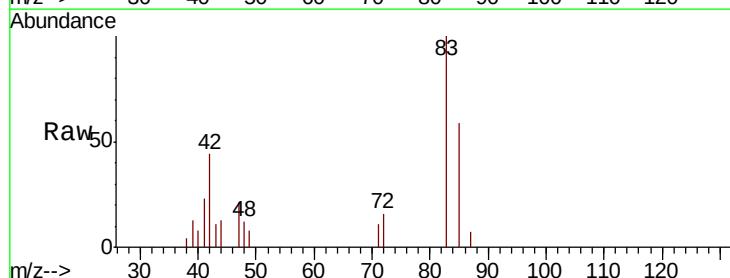
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

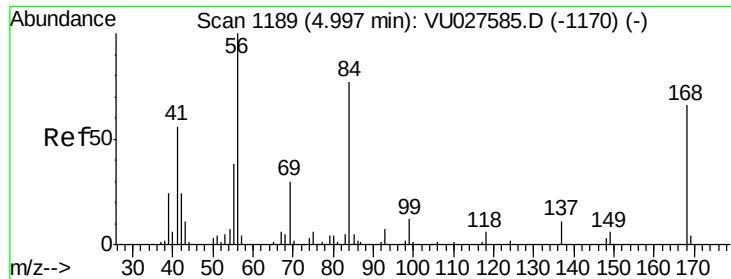
Tgt Ion: 42 Resp: 10167
Ion Ratio Lower Upper
42 100
72 33.7 30.1 45.1
71 31.2 27.7 41.5



#30
Chloroform
Concen: 2.229 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 83 Resp: 5630
Ion Ratio Lower Upper
83 100
85 58.7 51.8 77.6

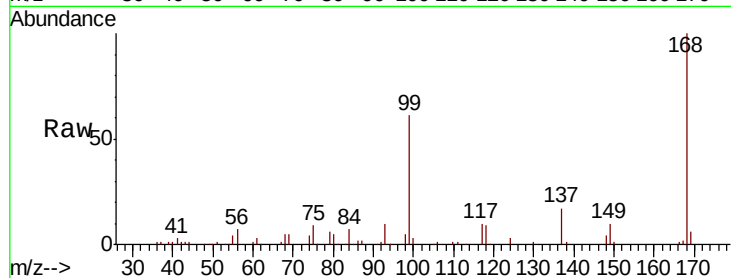




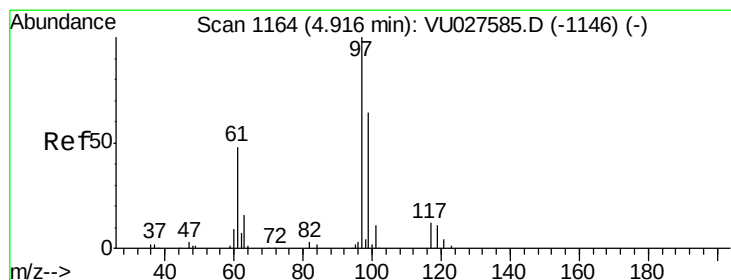
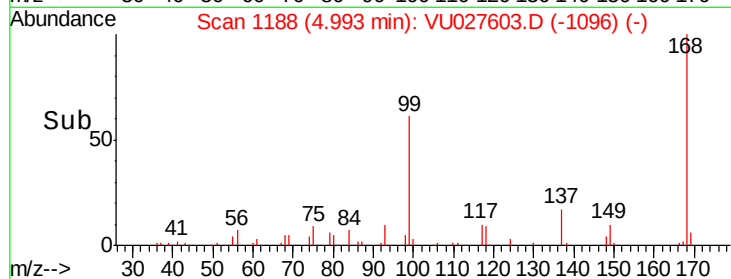
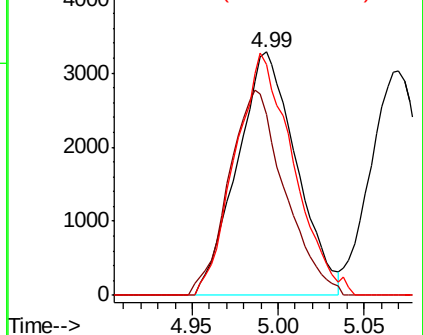
#31
Cyclohexane
Concen: 1.693 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

Tgt Ion: 56 Resp: 7845
Ion Ratio Lower Upper
56 100
69 74.4 24.1 36.1#
84 94.8 59.1 88.7#

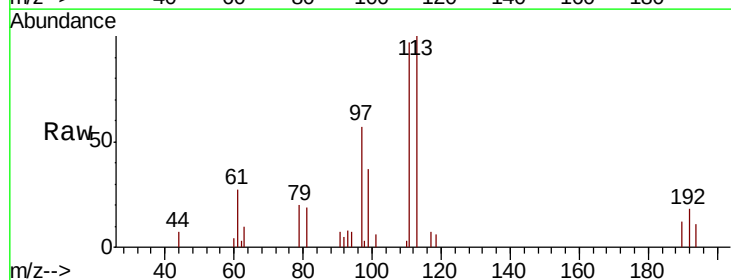


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

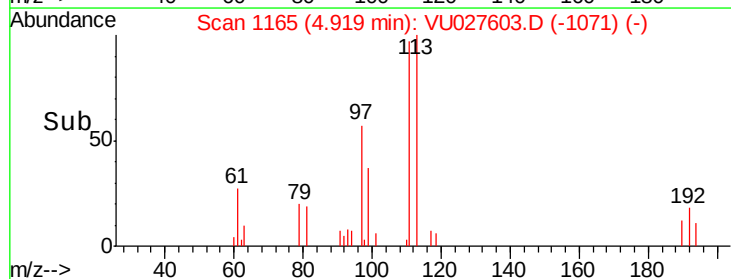
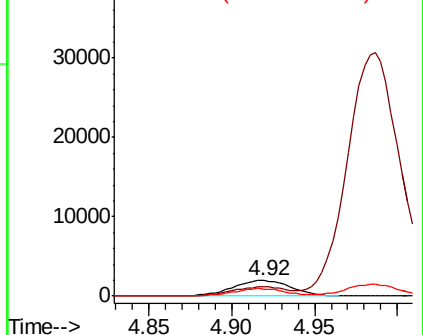


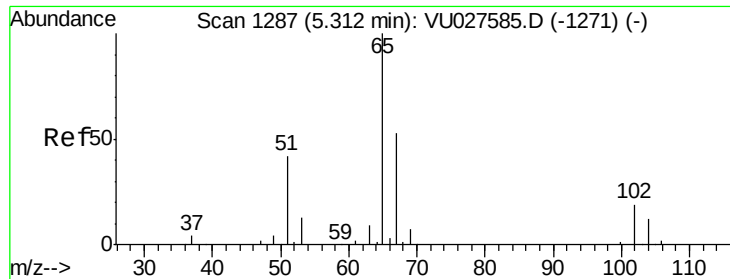
#32
1,1,1-Trichloroethane
Concen: 2.248 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 97 Resp: 4789
Ion Ratio Lower Upper
97 100
99 56.7 51.1 76.7
61 43.6 39.6 59.4



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

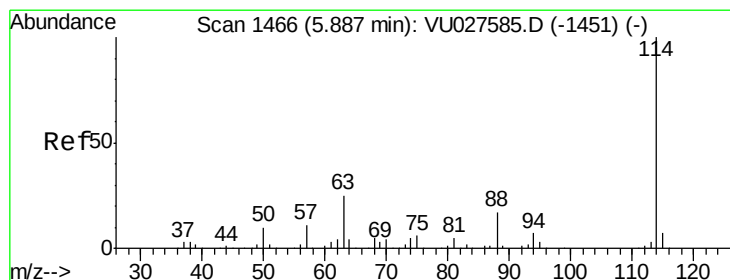
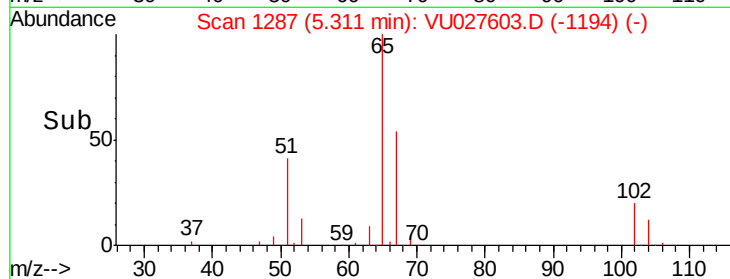
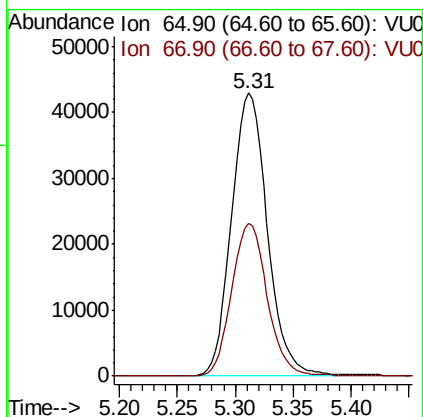
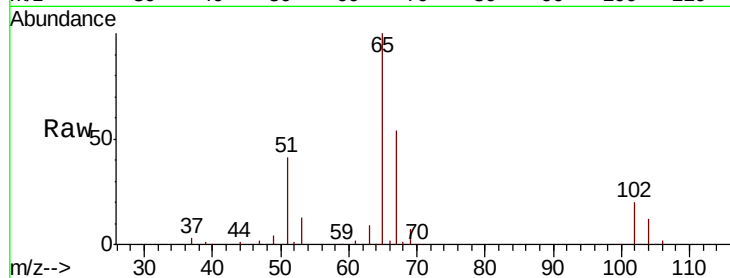




#33
 1,2-Dichloroethane-d4
 Concen: 52.888 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

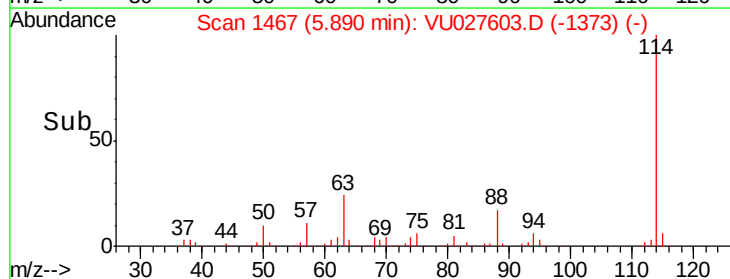
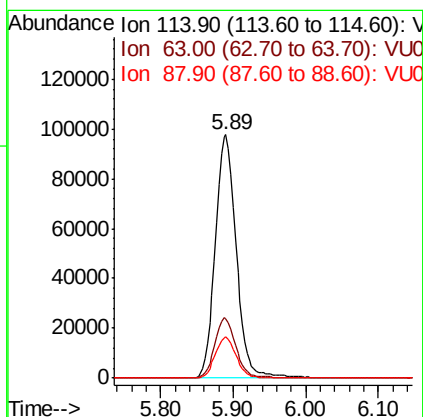
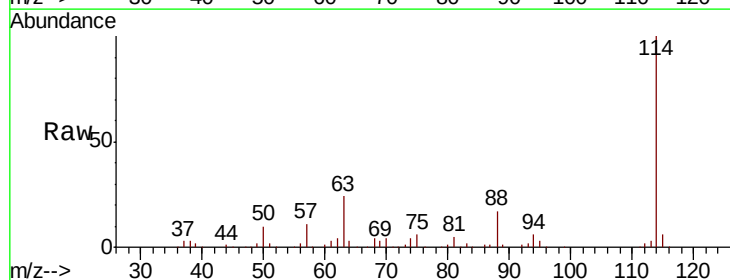
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

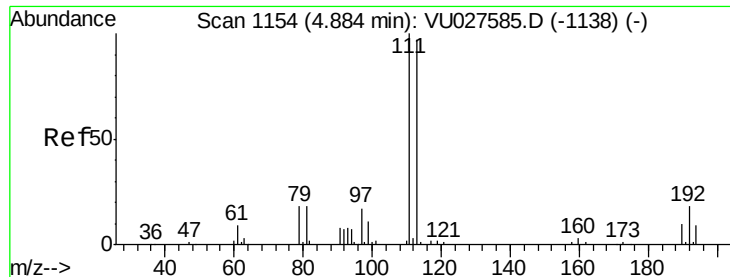
Tgt Ion: 65 Resp: 92119
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 114 Resp: 196711
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.2
 88 16.9 0.0 33.8

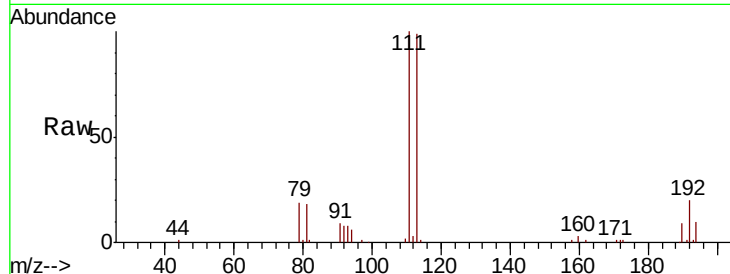




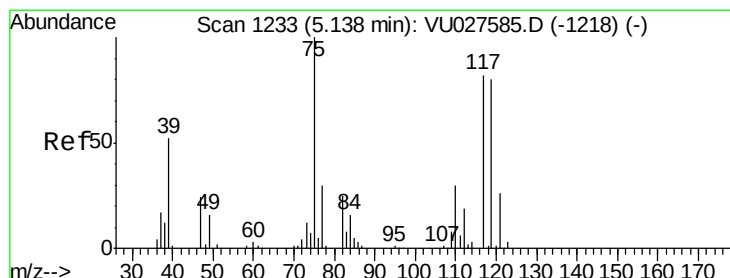
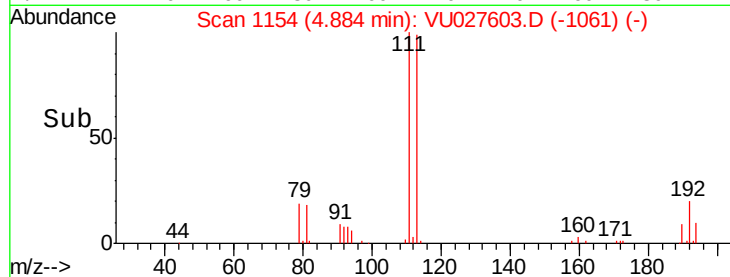
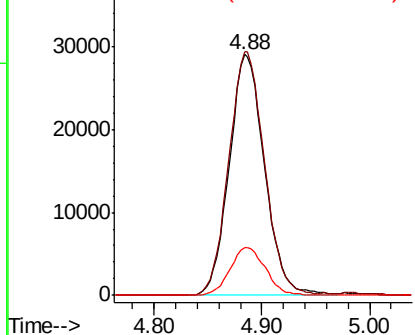
#35
 Dibromofluoromethane
 Concen: 51.084 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

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

Tgt Ion: 113 Resp: 66483
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.1 124.7
 192 19.8 15.4 23.0

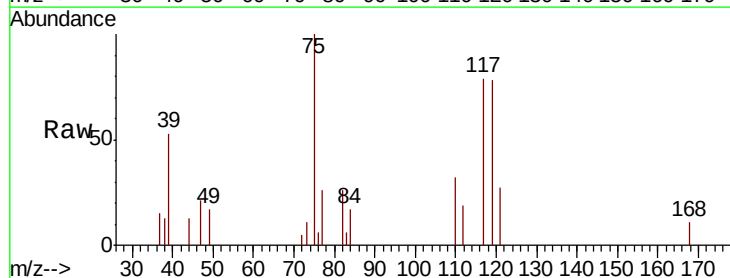


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

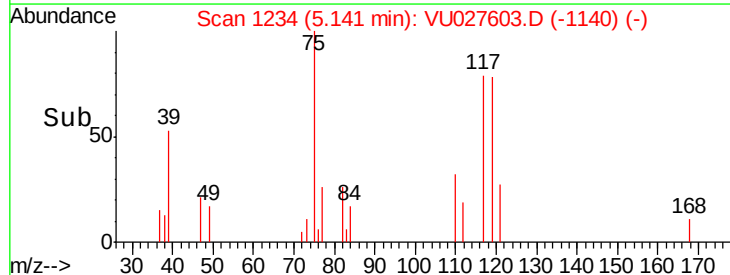
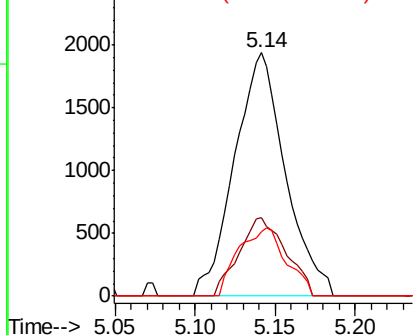


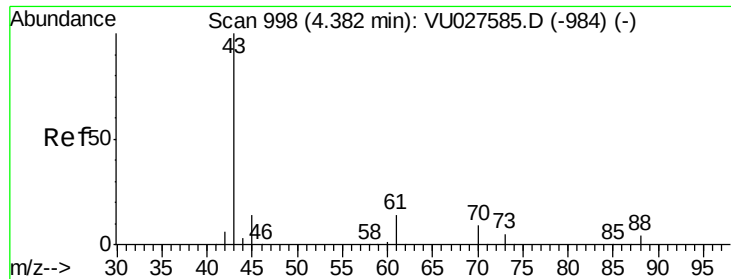
#36
 1,1-Dichloropropene
 Concen: 2.109 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 4214
 Ion Ratio Lower Upper
 75 100
 110 29.6 15.5 46.5
 77 26.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

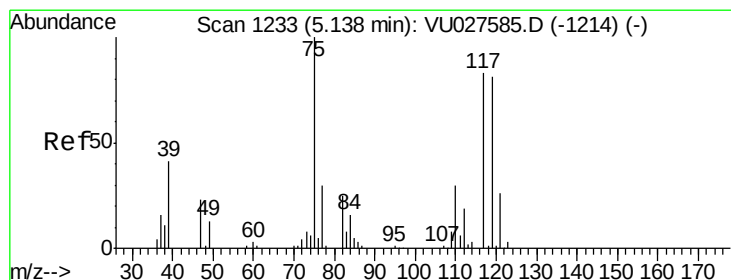
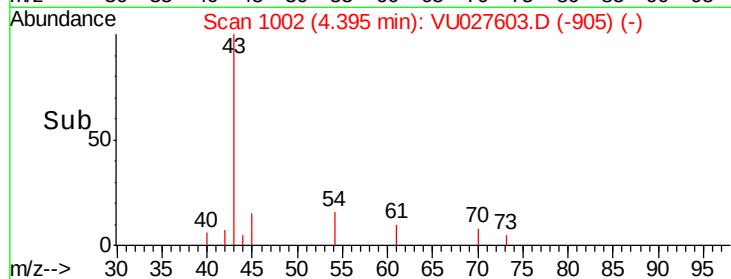
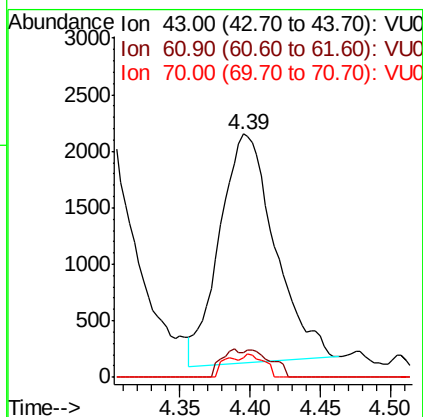
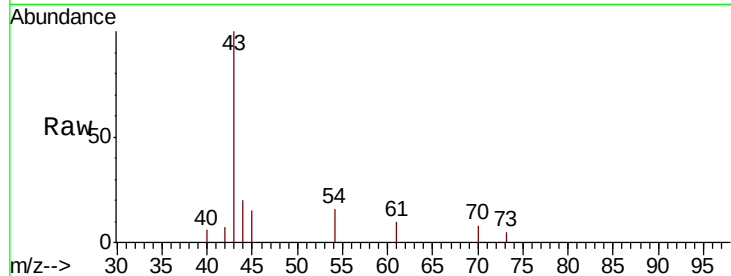




#37
Ethyl Acetate
Concen: 1.911 ug/l
RT: 4.39 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

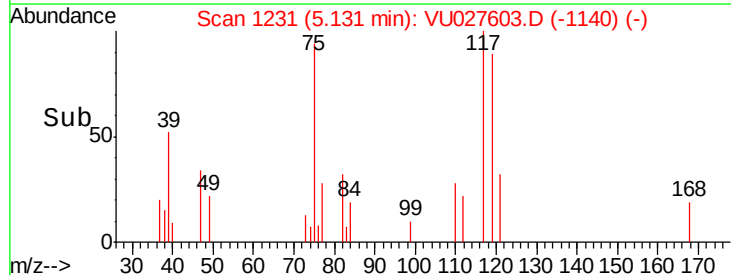
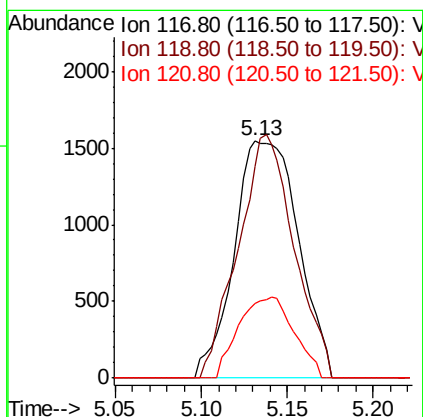
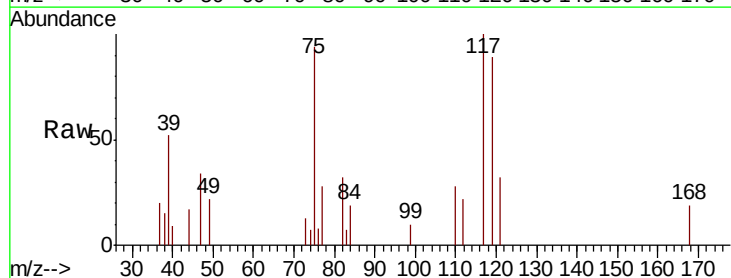
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

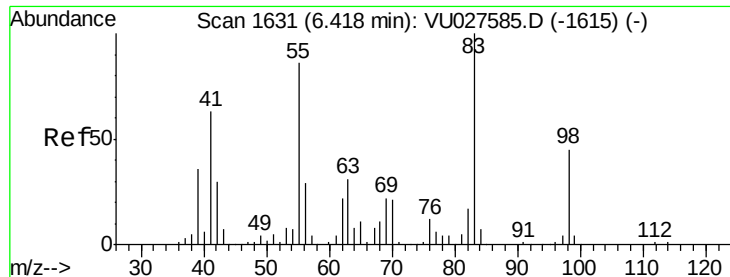
Tgt Ion: 43 Resp: 5548
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 3.9 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 2.171 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 117 Resp: 4000
Ion Ratio Lower Upper
117 100
119 89.2 74.5 111.7
121 31.6 24.6 37.0

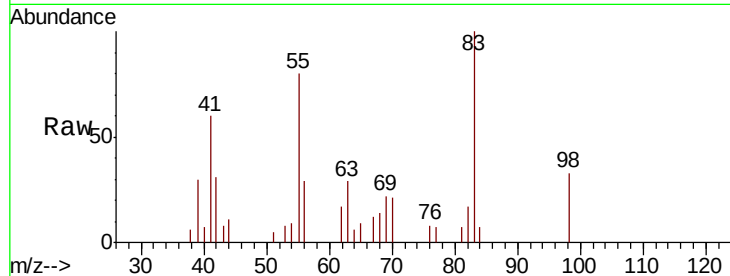




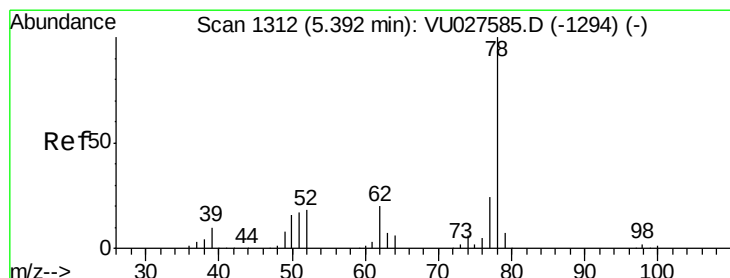
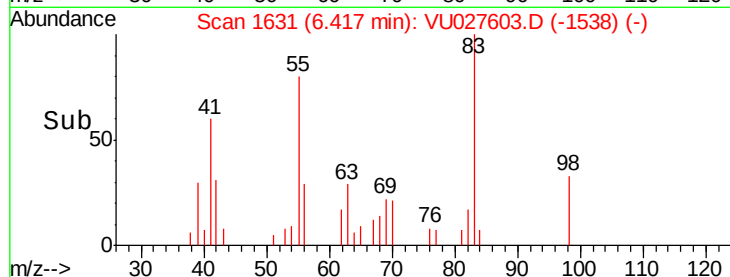
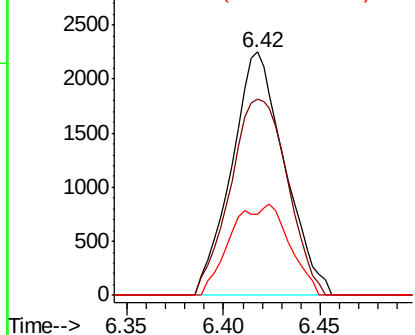
#39
Methylcyclohexane
Concen: 1.903 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

Tgt Ion: 83 Resp: 4290
Ion Ratio Lower Upper
83 100
55 80.4 71.1 106.7
98 33.0 36.3 54.5#

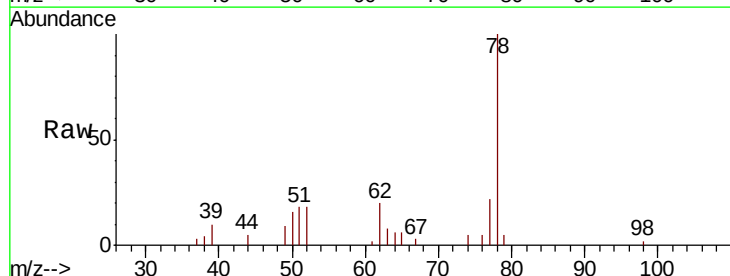


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

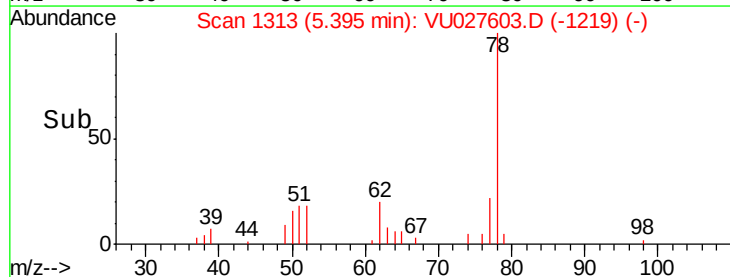
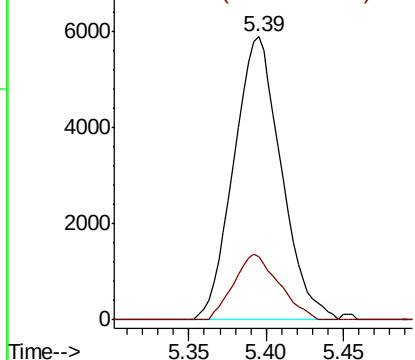


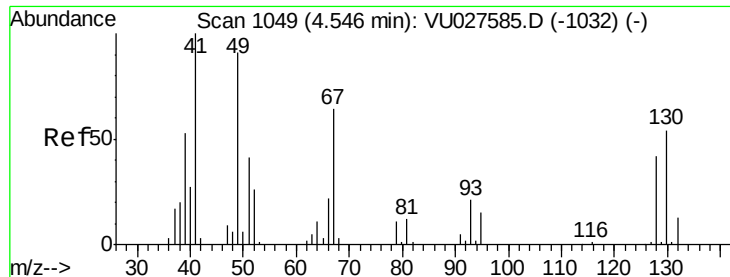
#40
Benzene
Concen: 2.083 ug/l
RT: 5.39 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 78 Resp: 12588
Ion Ratio Lower Upper
78 100
77 22.2 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 2.302 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 41 Resp: 2742

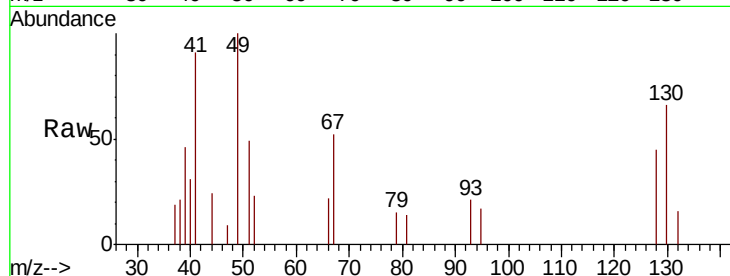
Ion Ratio Lower Upper

41 100

39 55.0 41.1 61.7

67 60.9 50.4 75.6

52 21.7 20.3 30.5

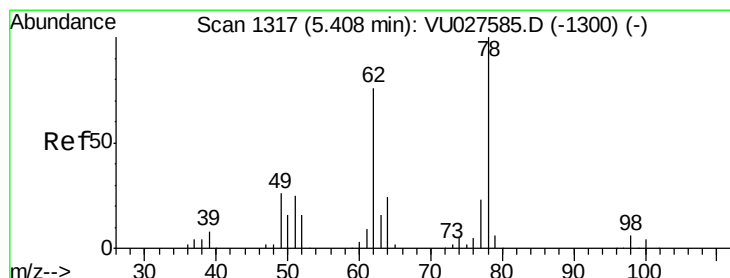
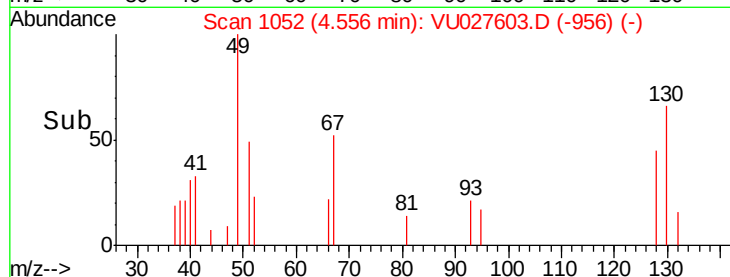
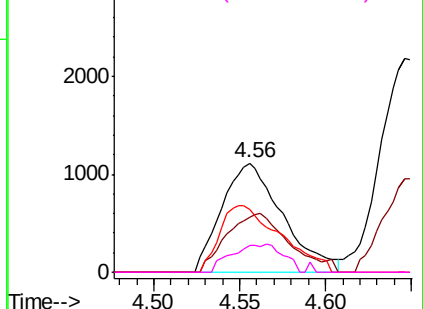


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 2.060 ug/l

RT: 5.41 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VU027603.D

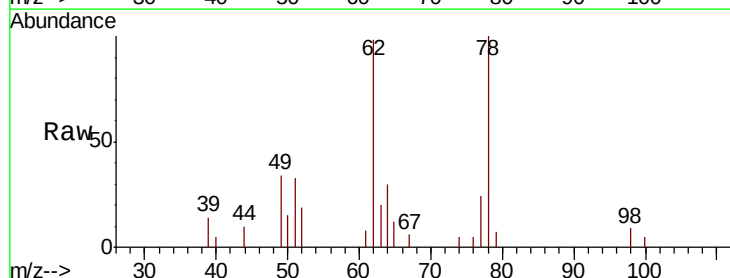
Acq: 11 Oct 2018 16:54

Tgt Ion: 62 Resp: 4601

Ion Ratio Lower Upper

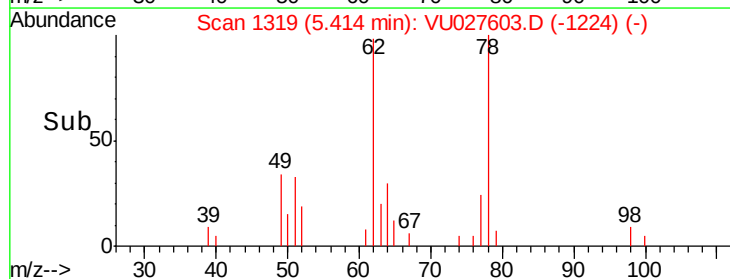
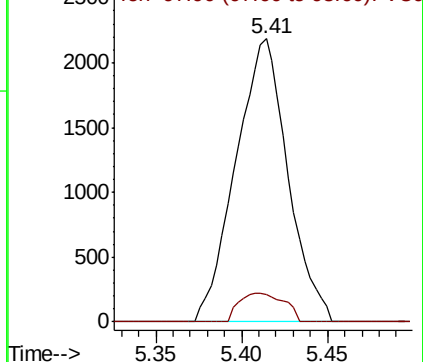
62 100

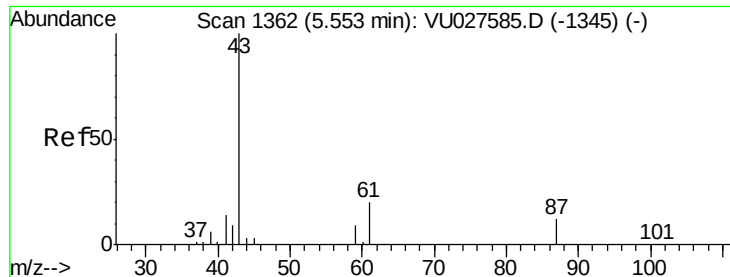
98 8.8 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 1.934 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

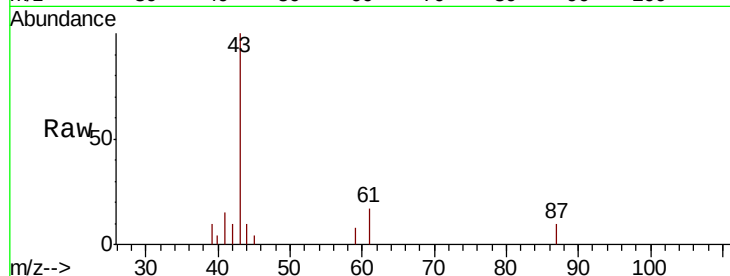
Tgt Ion: 43 Resp: 8025

Ion Ratio Lower Upper

43 100

61 17.2 15.3 22.9

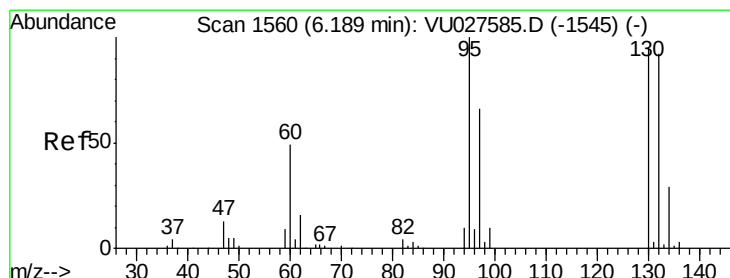
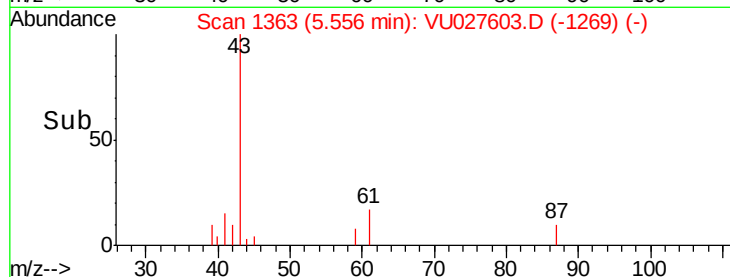
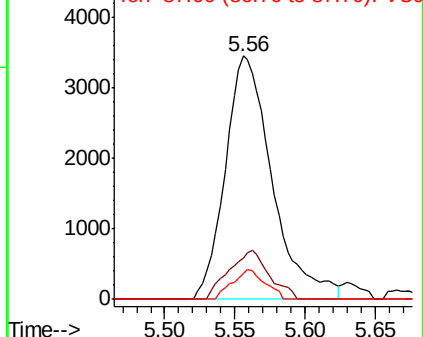
87 8.4 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-1345) (-)

Ion 61.00 (60.70 to 61.70): VU027585.D (-1345) (-)

Ion 87.00 (86.70 to 87.70): VU027585.D (-1345) (-)



#44

Trichloroethene

Concen: 2.076 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027603.D

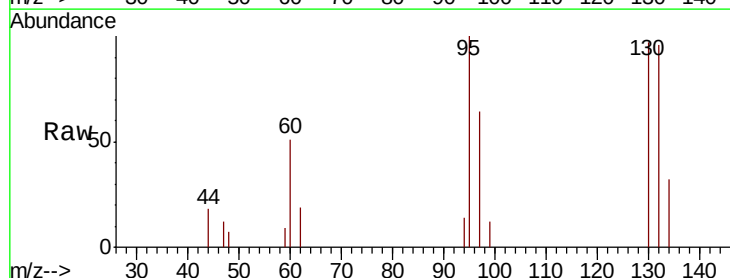
Acq: 11 Oct 2018 16:54

Tgt Ion: 130 Resp: 2769

Ion Ratio Lower Upper

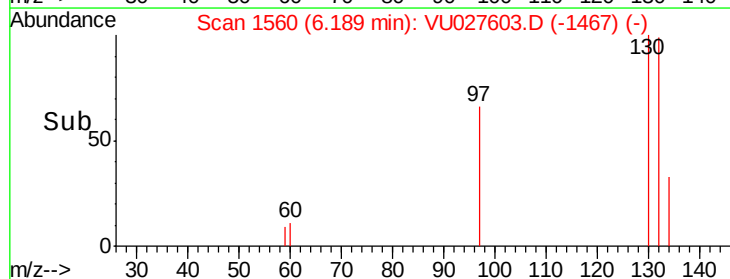
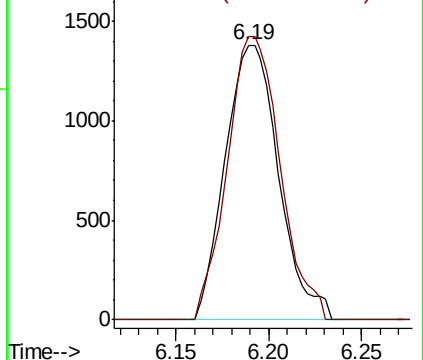
130 100

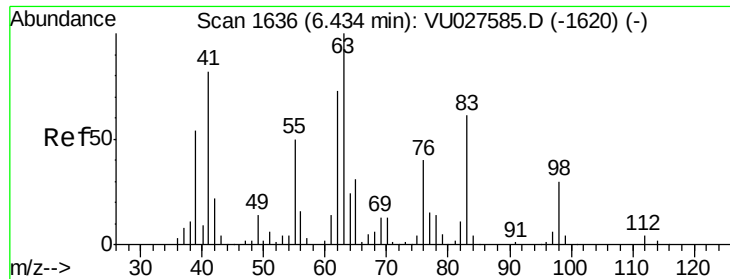
95 103.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027585.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027585.D (-1545) (-)

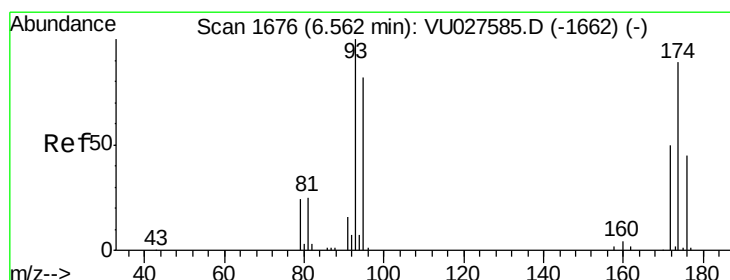
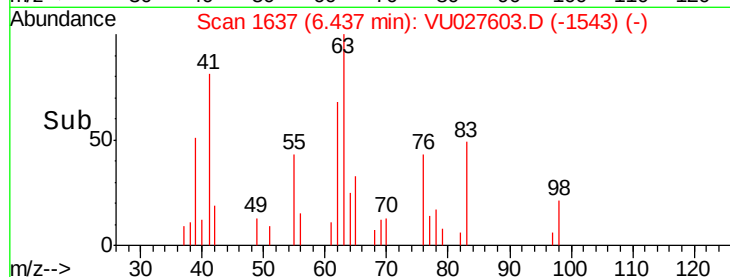
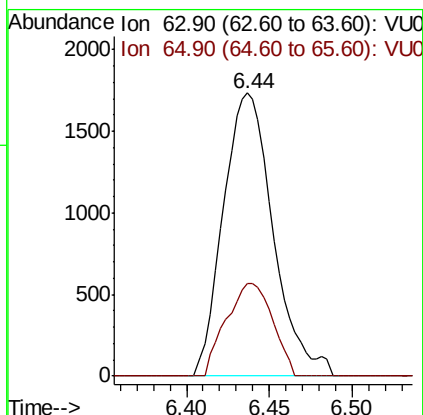
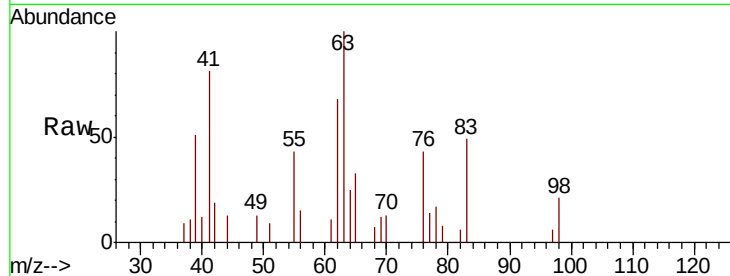




#45
 1,2-Dichloropropane
 Concen: 2.110 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

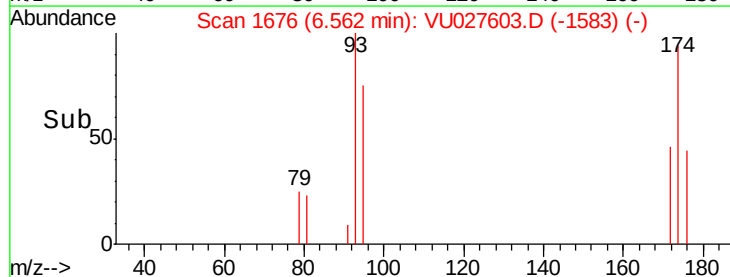
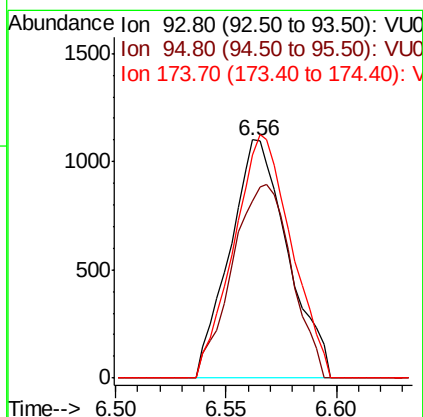
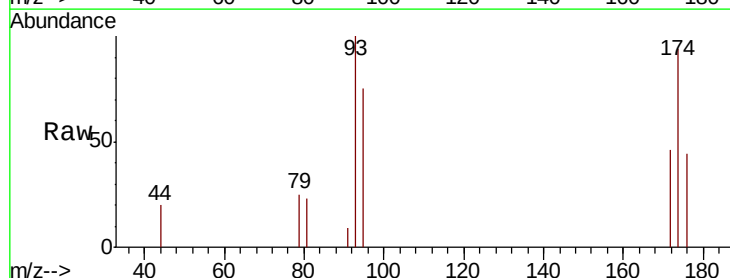
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

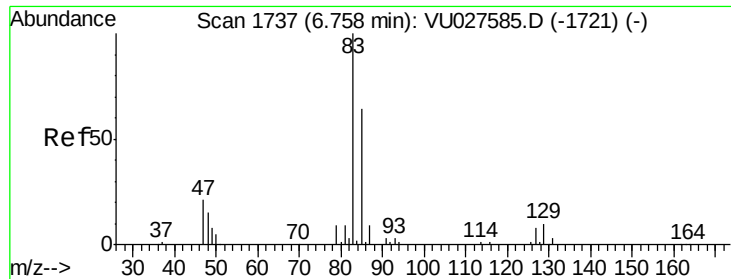
Tgt Ion: 63 Resp: 3628
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.0 39.0



#46
 Dibromomethane
 Concen: 1.986 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 93 Resp: 2010
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 101.5 72.5 108.7

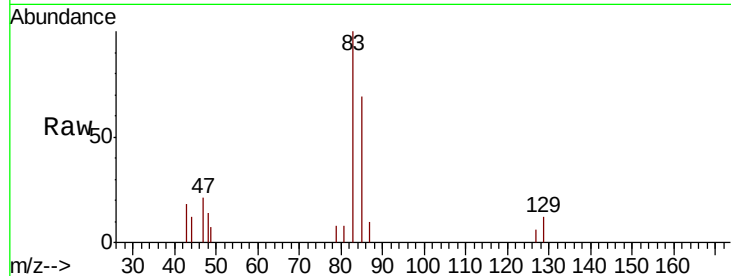




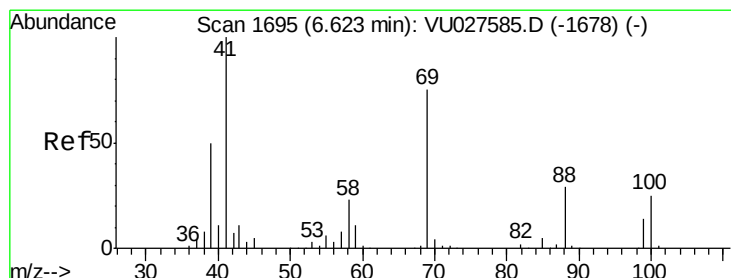
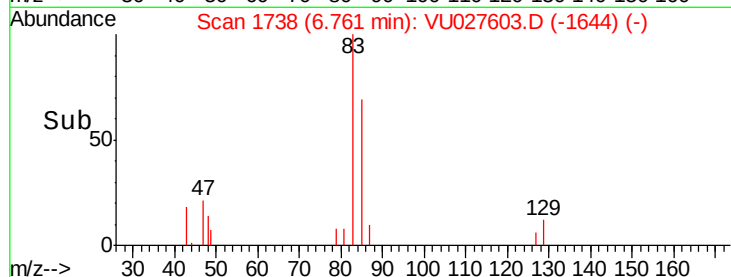
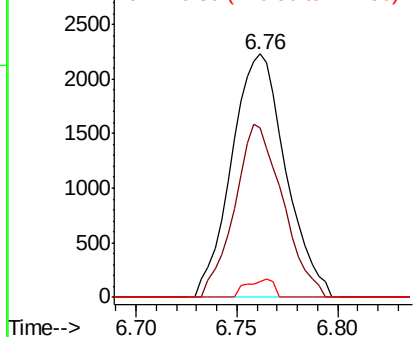
#47
 Bromodichloromethane
 Concen: 2.052 ug/l
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

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

Tgt Ion: 83 Resp: 4178
 Ion Ratio Lower Upper
 83 100
 85 69.5 51.4 77.0
 127 6.4 6.3 9.5

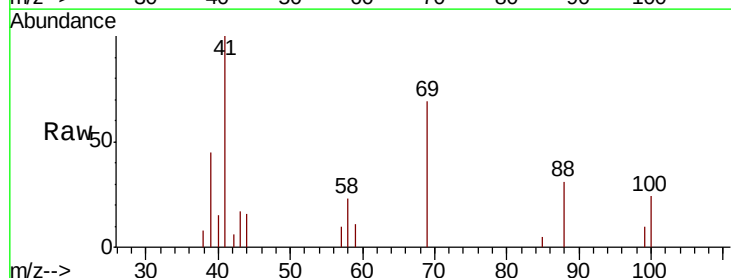


Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 126.80 (126.50 to 127.50): V

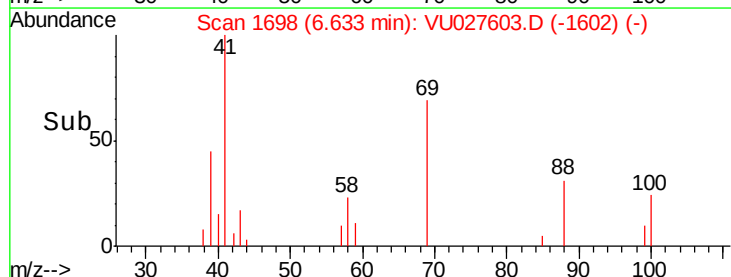
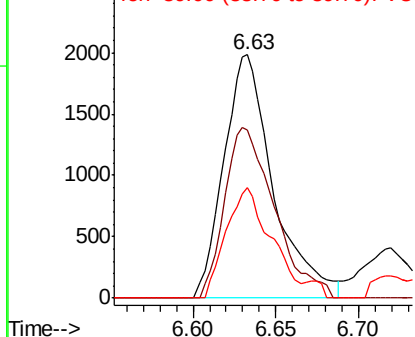


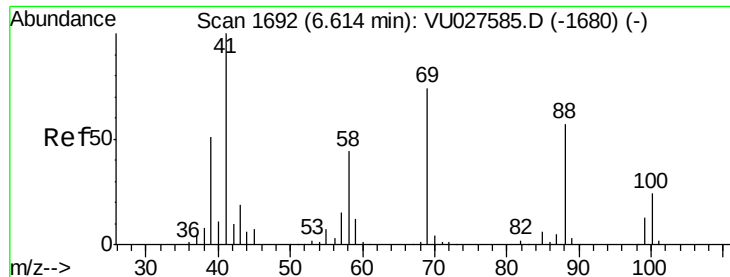
#48
 Methyl methacrylate
 Concen: 3.244 ug/l
 RT: 6.63 min Scan# 1698
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 41 Resp: 4115
 Ion Ratio Lower Upper
 41 100
 69 70.7 61.0 91.4
 39 41.7 39.9 59.9



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

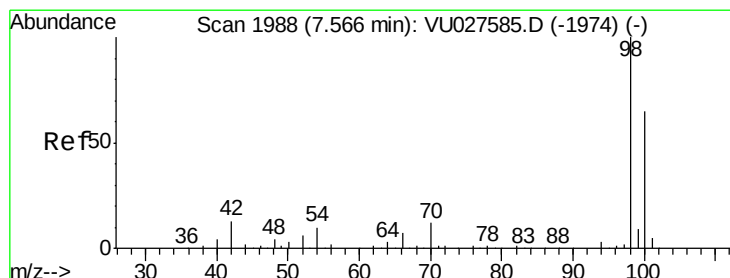
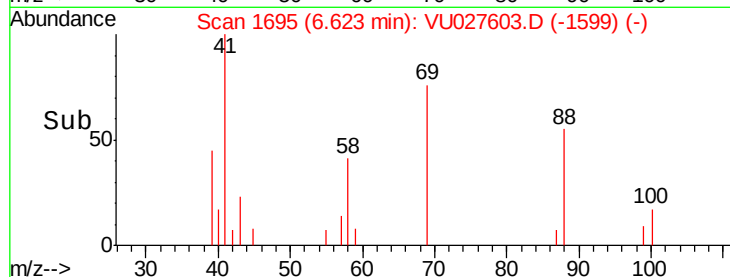
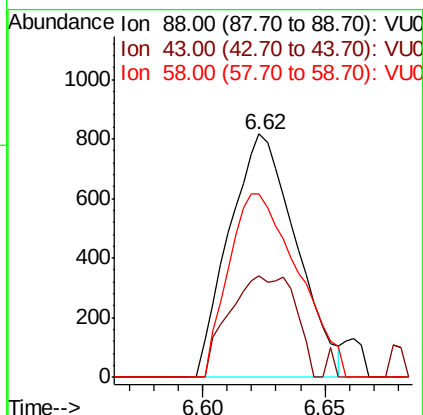
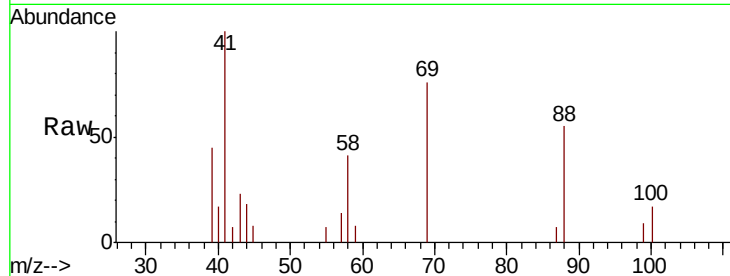




#49
1,4-Dioxane
Concen: 39.096 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

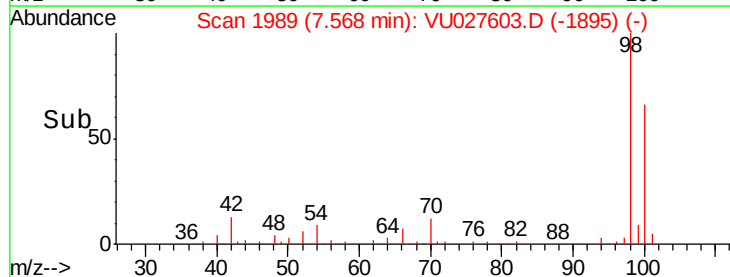
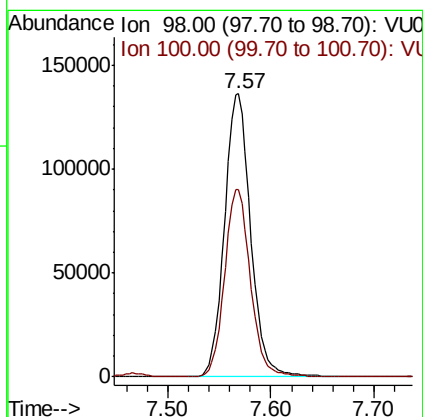
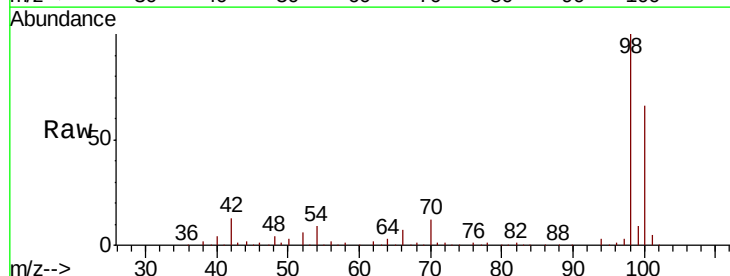
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

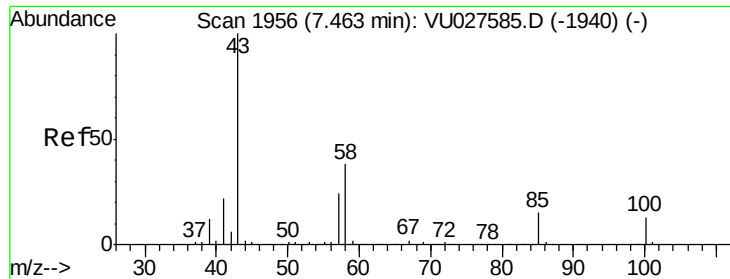
Tgt Ion: 88 Resp: 1552
Ion Ratio Lower Upper
88 100
43 41.5 30.8 46.2
58 78.3 67.0 100.6



#50
Toluene-d8
Concen: 48.656 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 98 Resp: 241133
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 9.614 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

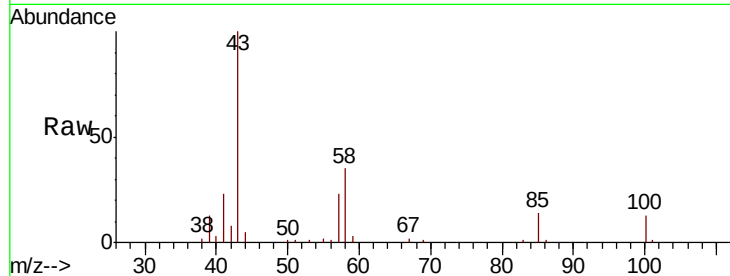
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 26815

Ion Ratio Lower Upper

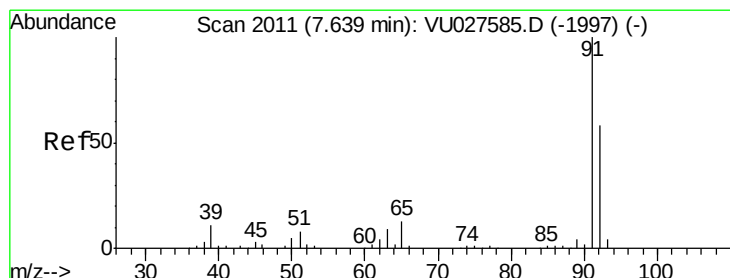
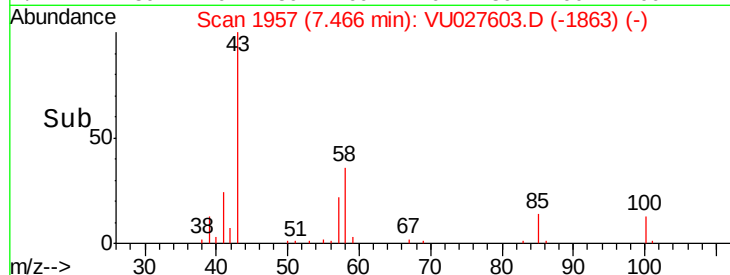
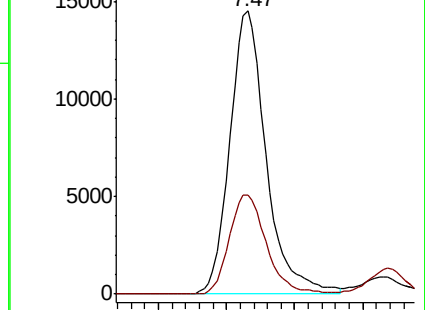
43 100

58 36.0 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027585.D (-1940) (-)



#52

Toluene

Concen: 2.116 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027603.D

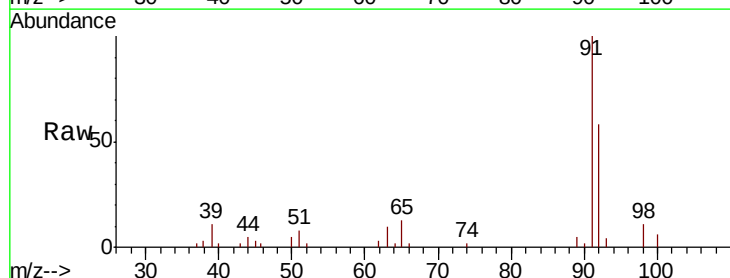
Acq: 11 Oct 2018 16:54

Tgt Ion: 92 Resp: 7313

Ion Ratio Lower Upper

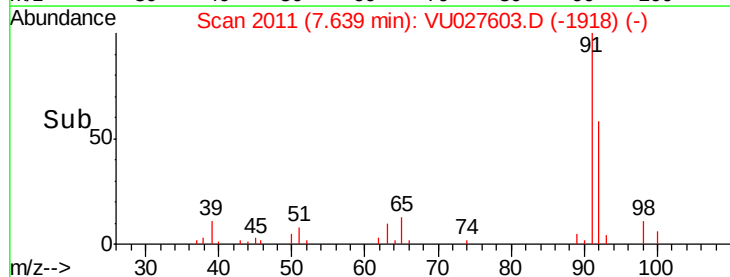
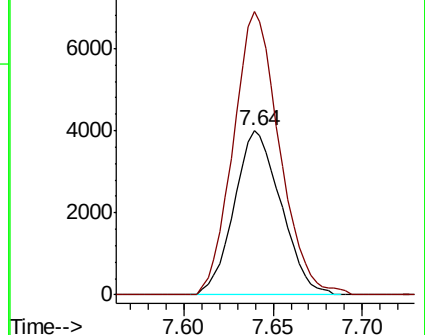
92 100

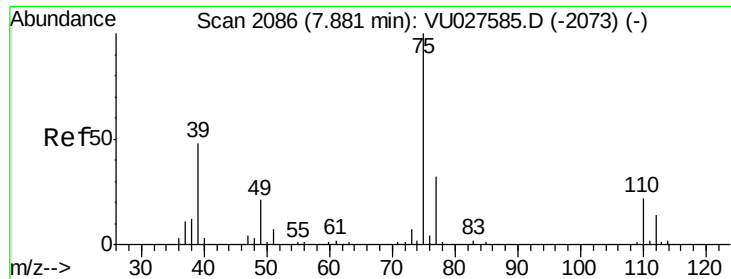
91 170.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027585.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU027585.D (-1997) (-)

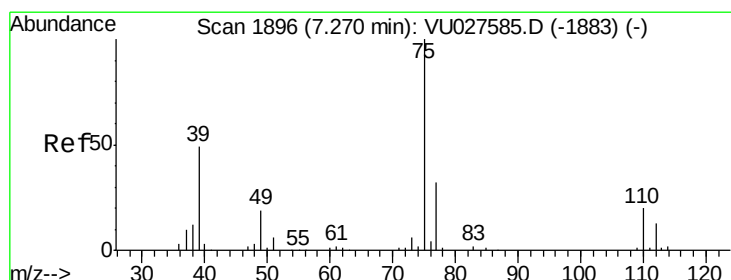
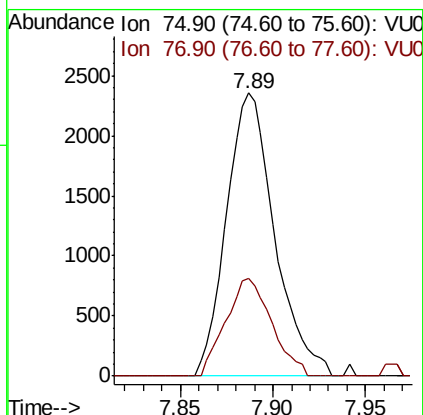
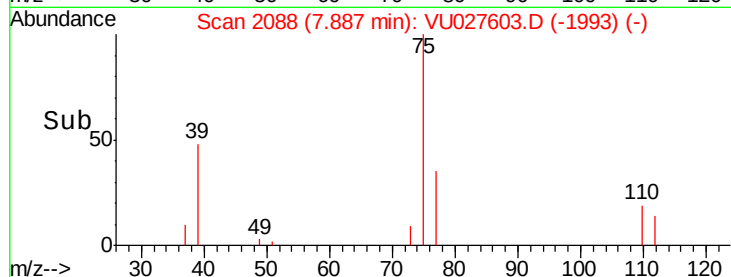
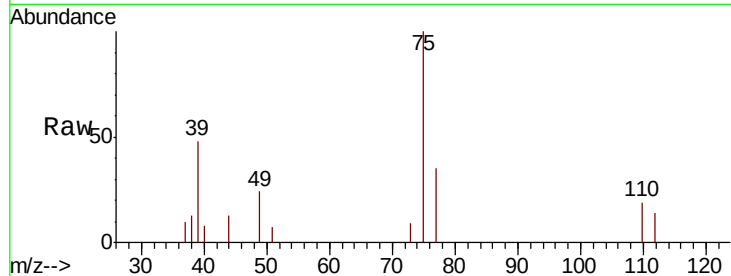




#53
t-1,3-Dichloropropene
Concen: 1.836 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

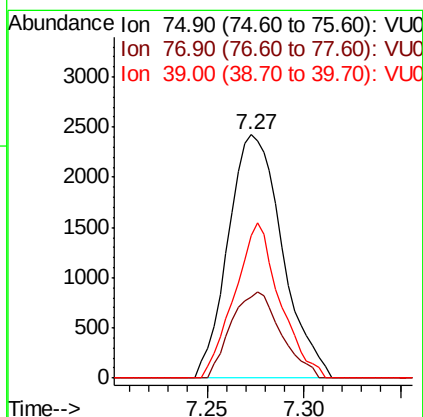
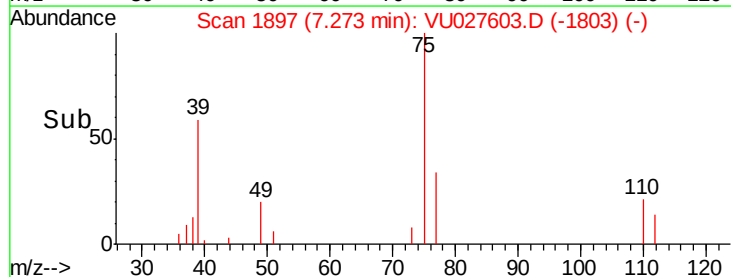
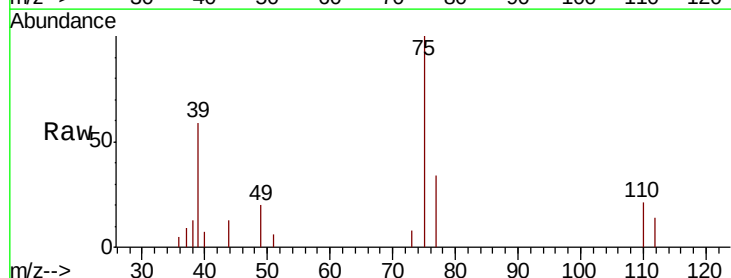
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

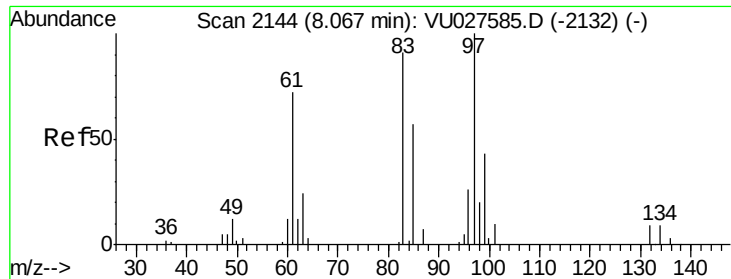
Tgt Ion: 75 Resp: 4255
Ion Ratio Lower Upper
75 100
77 34.7 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 1.869 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 4715
Ion Ratio Lower Upper
75 100
77 33.5 24.5 36.7
39 58.5 40.1 60.1

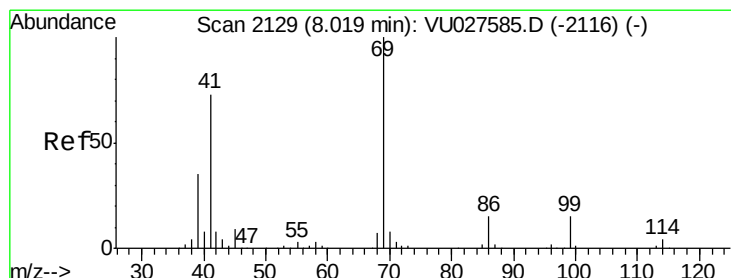
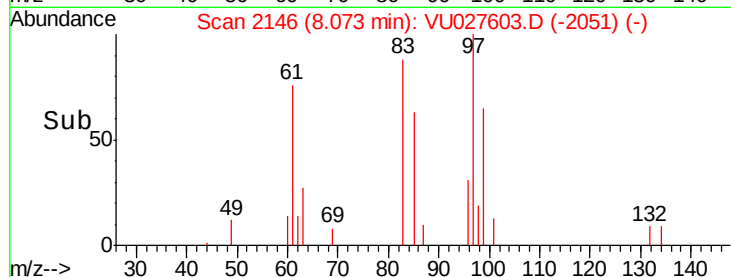
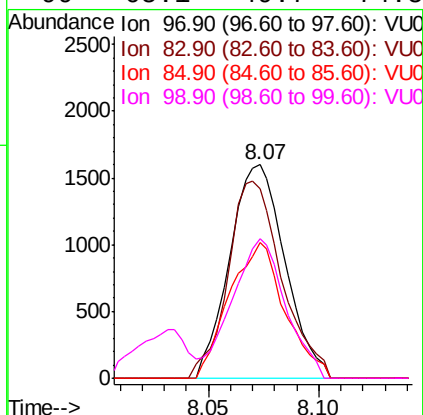
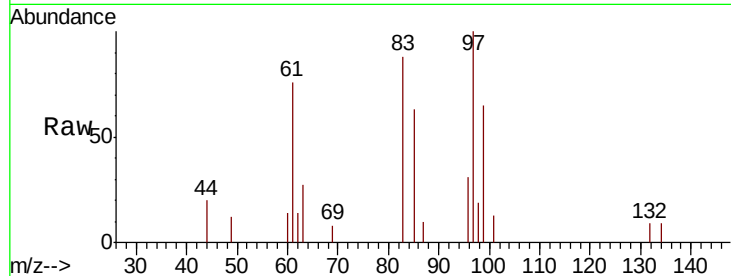




#55
 1,1,2-Trichloroethane
 Concen: 1.951 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

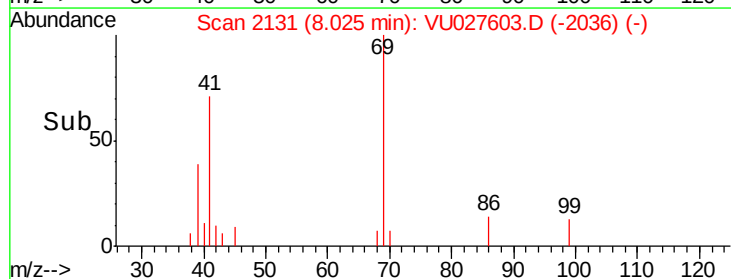
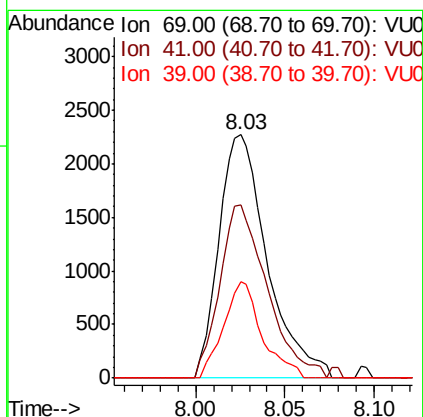
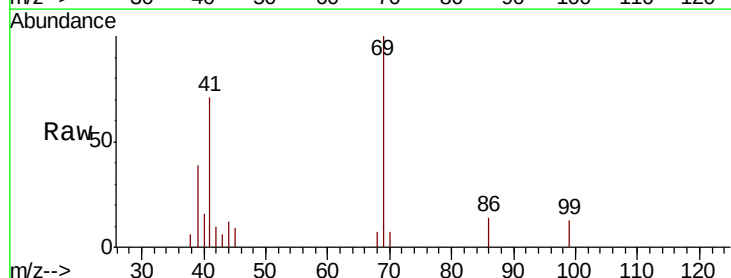
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

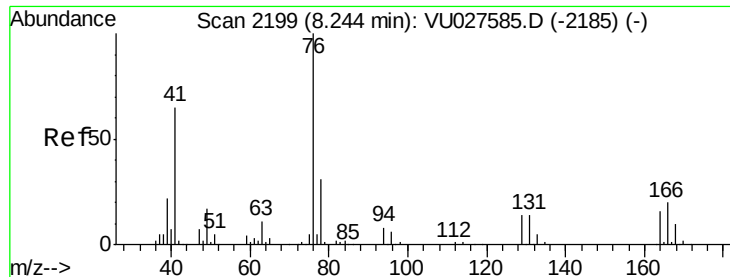
Tgt Ion: 97 Resp: 2783
 Ion Ratio Lower Upper
 97 100
 83 88.4 73.0 109.6
 85 63.4 47.3 70.9
 99 65.1 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 3.723 ug/l
 RT: 8.03 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 69 Resp: 4255
 Ion Ratio Lower Upper
 69 100
 41 69.8 60.0 90.0
 39 31.6 29.5 44.3

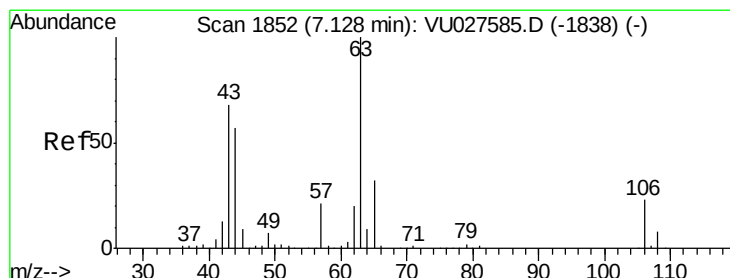
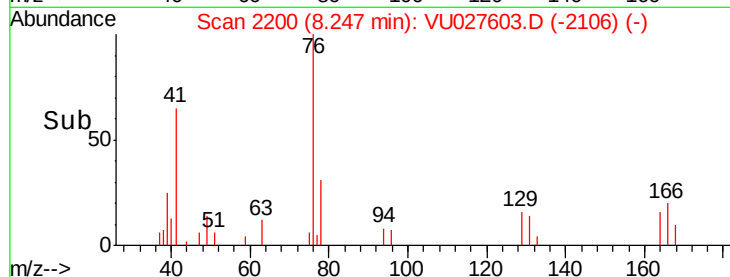
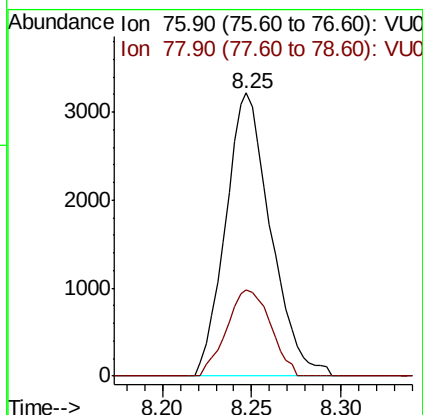
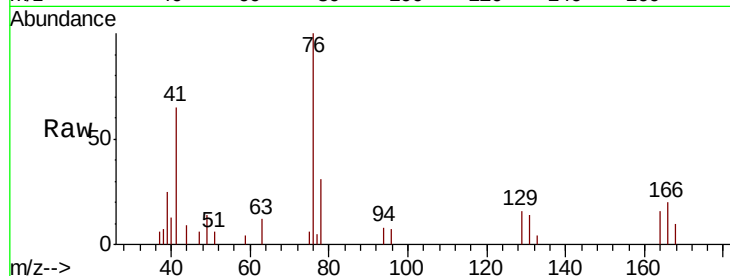




#57
 1,3-Dichloropropane
 Concen: 2.078 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

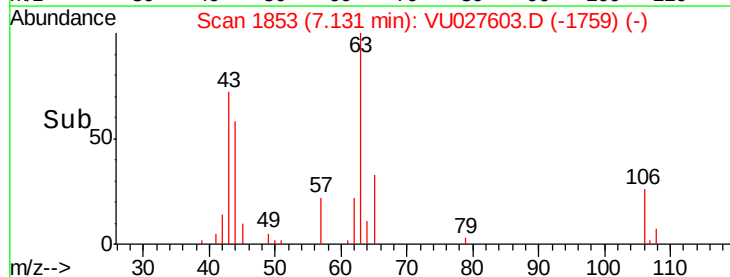
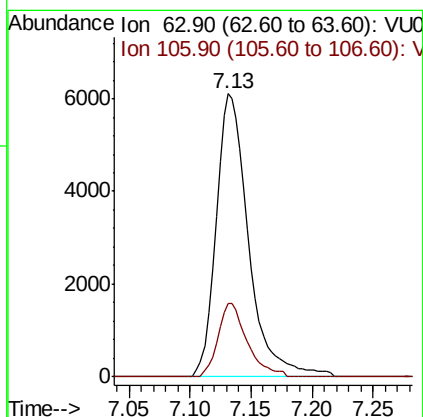
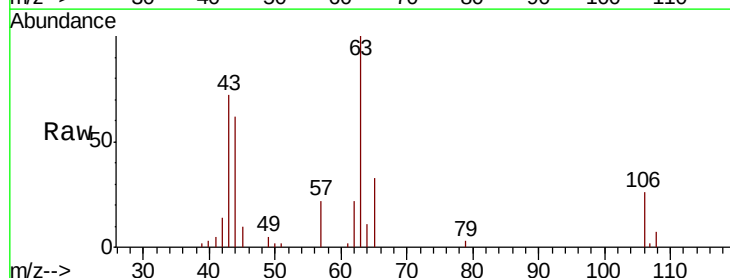
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

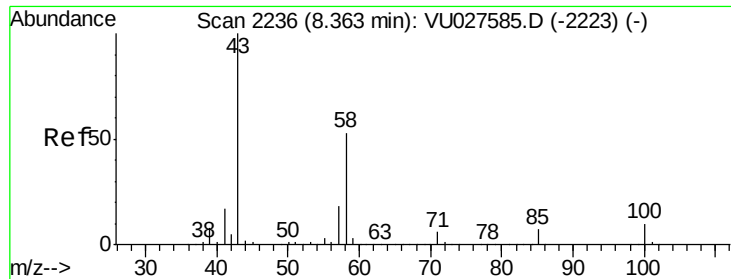
Tgt Ion: 76 Resp: 5631
 Ion Ratio Lower Upper
 76 100
 78 29.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.168 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 63 Resp: 11382
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.5 27.7

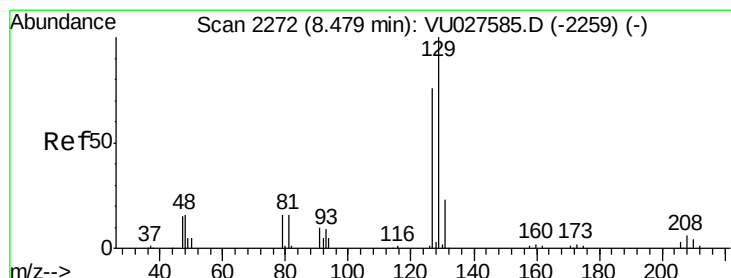
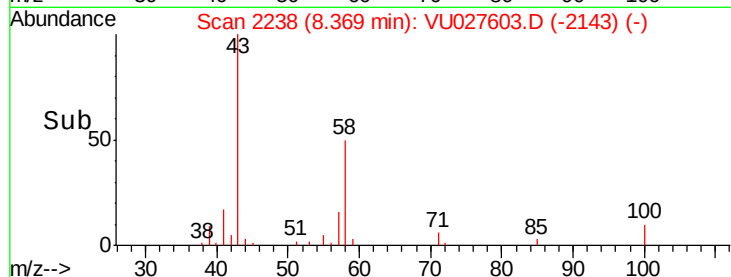
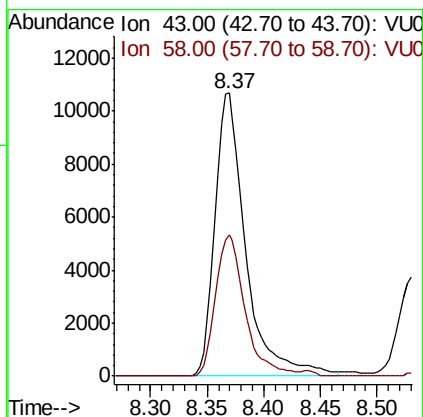
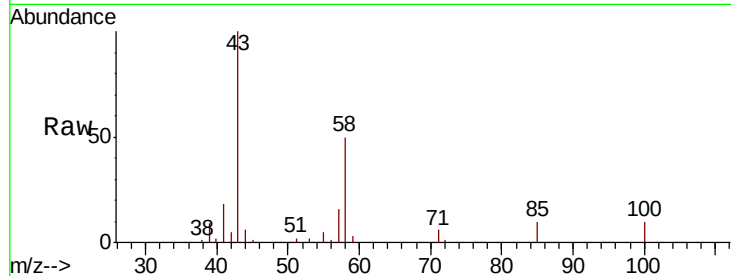




#59
2-Hexanone
Concen: 9.287 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

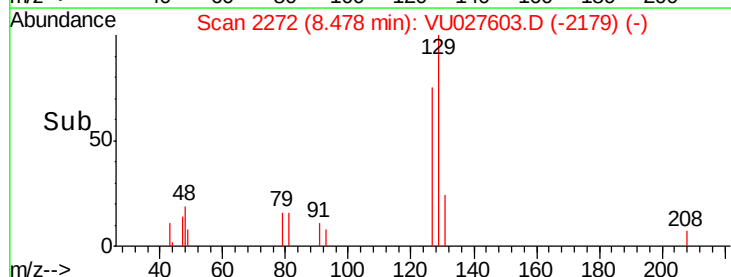
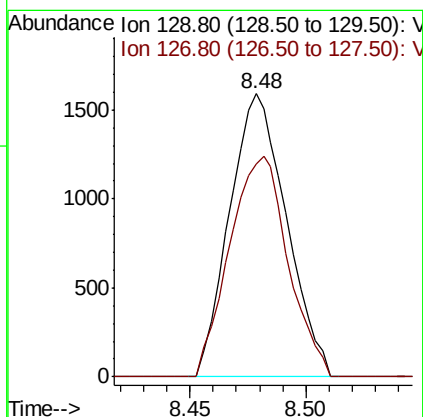
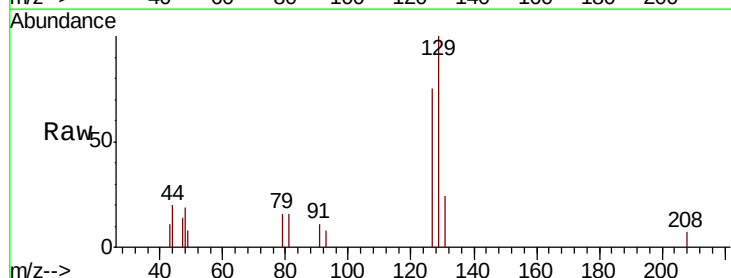
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

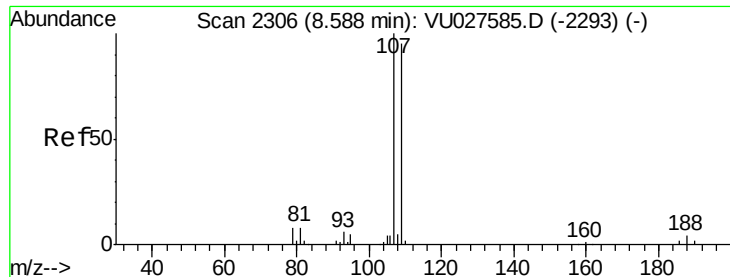
Tgt Ion: 43 Resp: 20209
Ion Ratio Lower Upper
43 100
58 47.7 26.1 78.3



#60
Dibromochloromethane
Concen: 1.893 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 129 Resp: 2698
Ion Ratio Lower Upper
129 100
127 80.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 1.978 ug/l

RT: 8.59 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

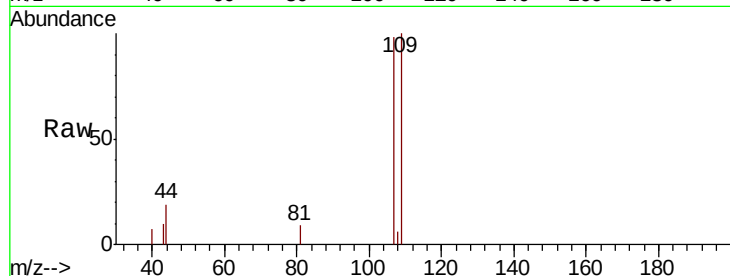
LOQ-WATER-02-QT4-2018

Tgt Ion: 107 Resp: 2971

Ion Ratio Lower Upper

107 100

109 98.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

2000

1500

1000

500

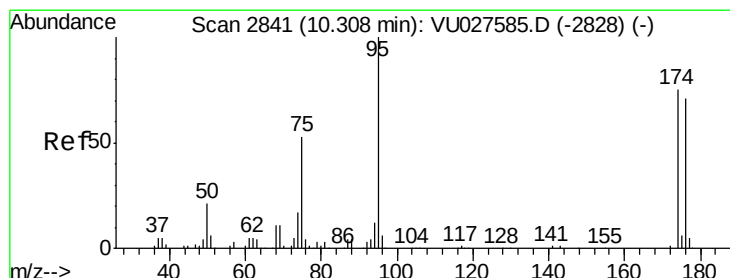
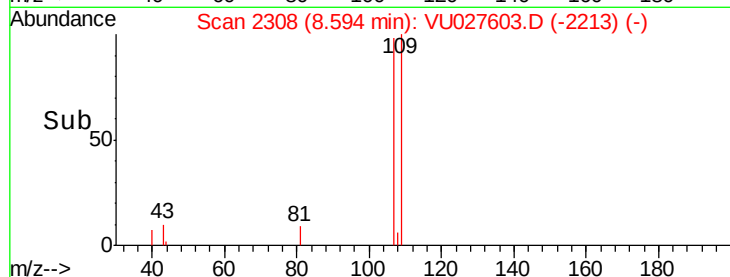
0

8.55

8.59

8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 45.028 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

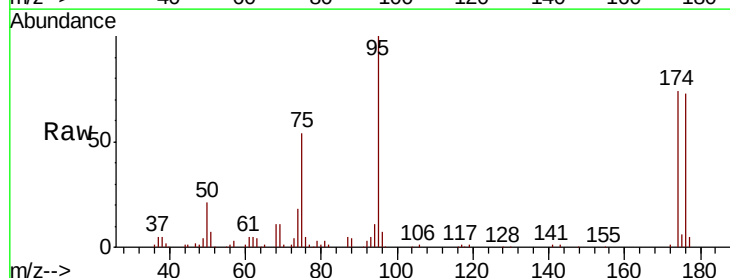
Tgt Ion: 95 Resp: 80487

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.8

176 73.7 0.0 140.8



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

60000

40000

20000

0

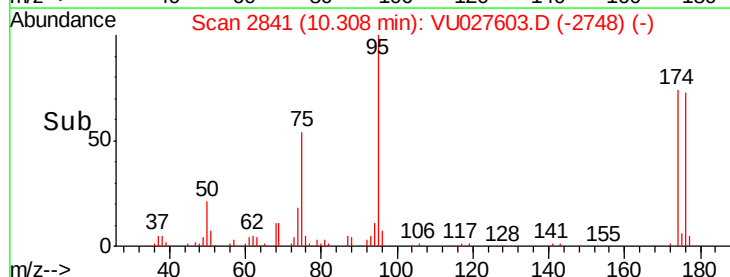
10.25

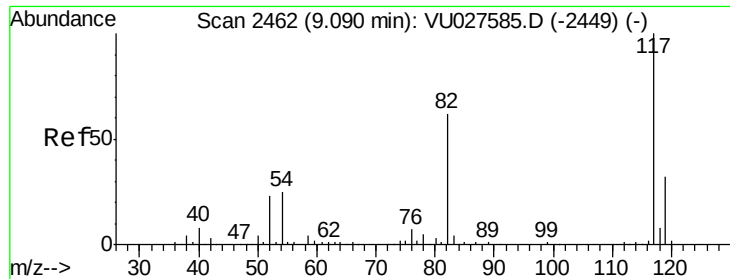
10.31

10.35

10.40

Time-->

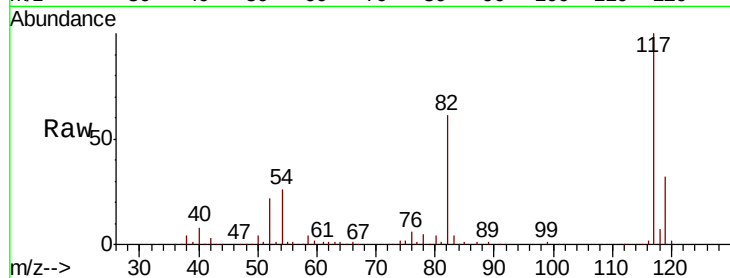




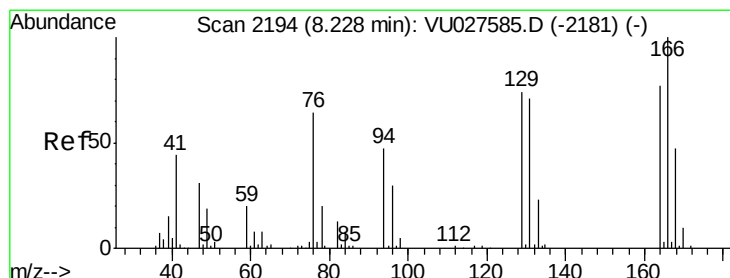
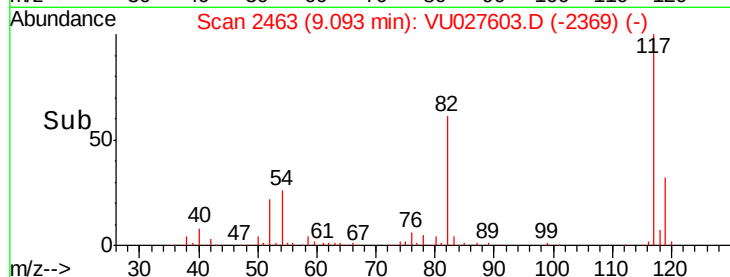
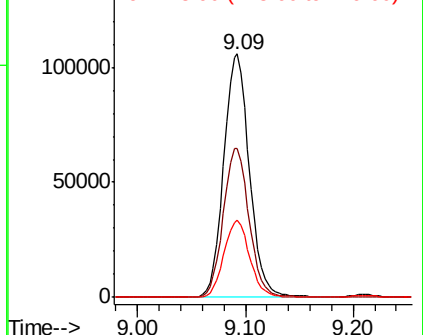
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

Tgt Ion:117 Resp: 175393
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 31.8 25.7 38.5

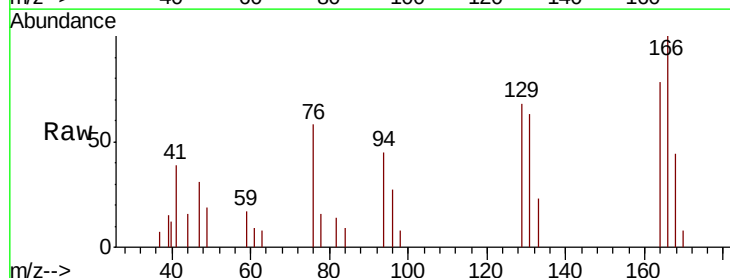


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

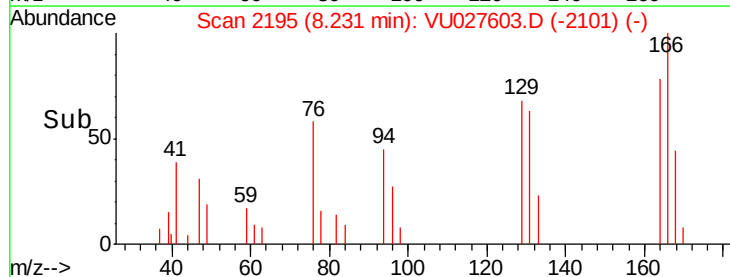
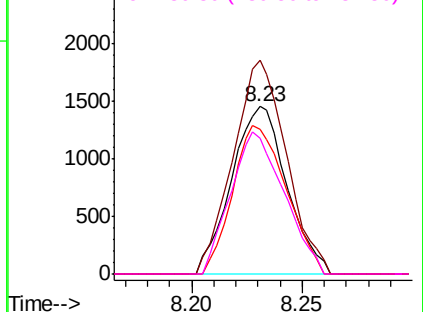


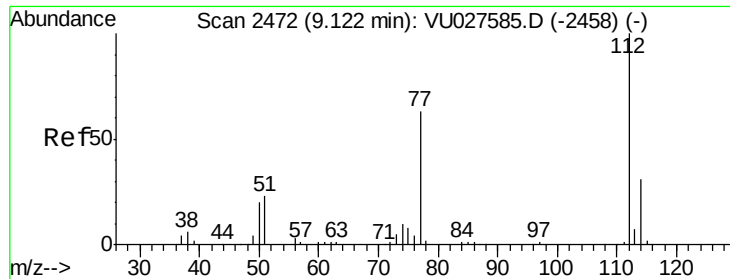
#64
Tetrachloroethene
Concen: 2.323 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:164 Resp: 2531
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.6
129 86.3 78.0 117.0
131 80.8 72.6 109.0



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

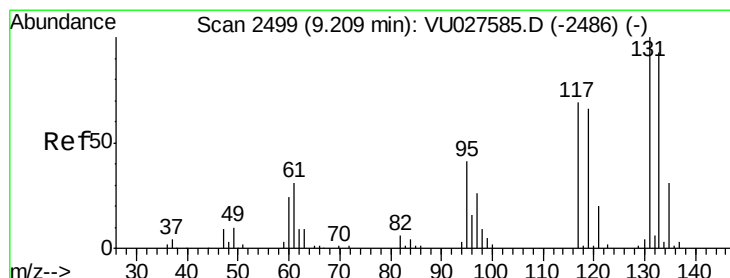
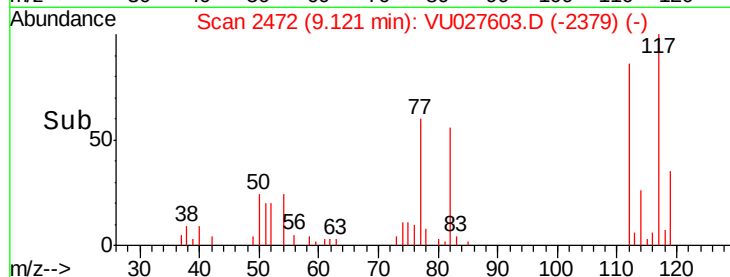
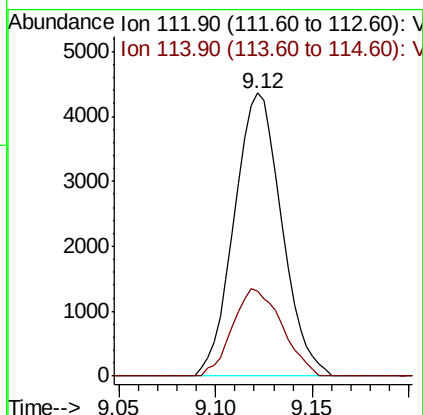
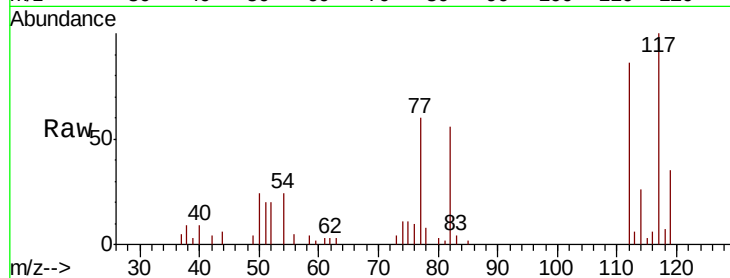




#65
Chlorobenzene
Concen: 2.050 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

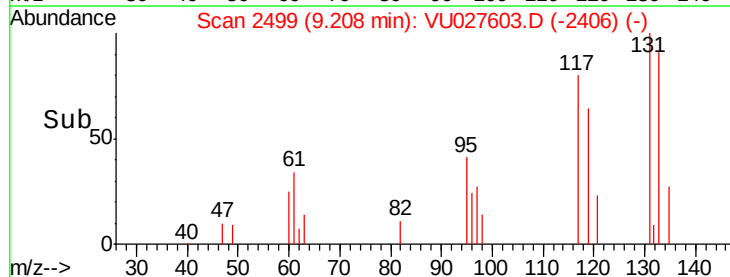
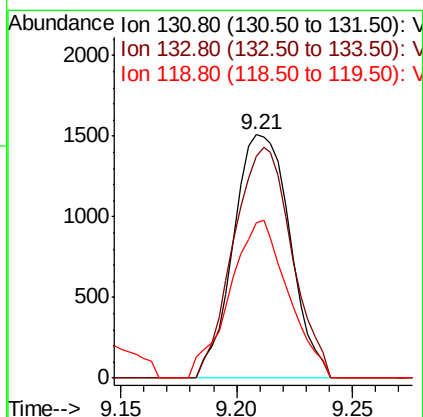
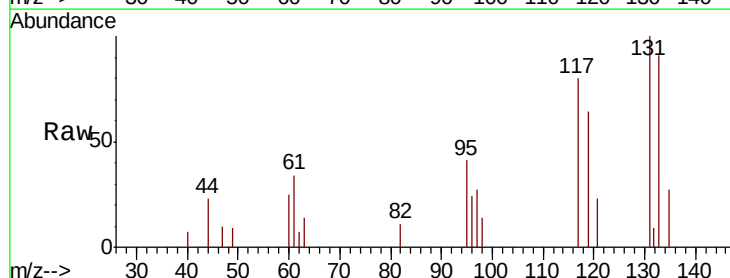
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

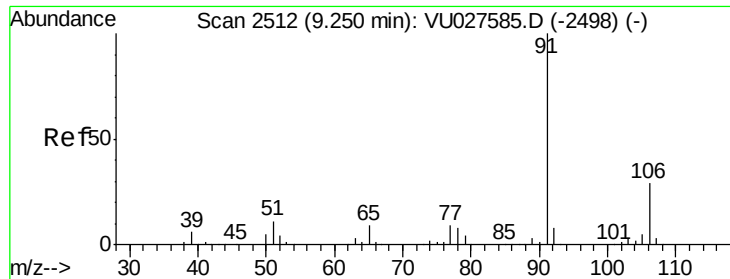
Tgt Ion:112 Resp: 7457
Ion Ratio Lower Upper
112 100
114 29.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.054 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:131 Resp: 2555
Ion Ratio Lower Upper
131 100
133 97.8 48.5 145.6
119 67.1 33.5 100.4

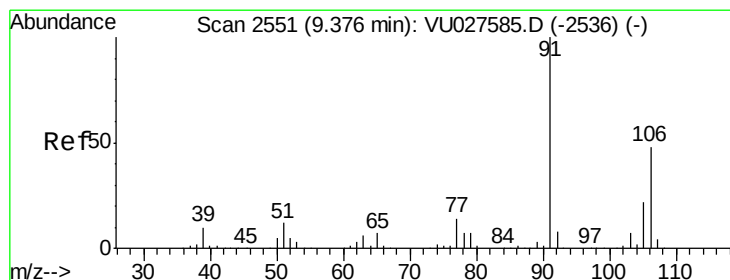
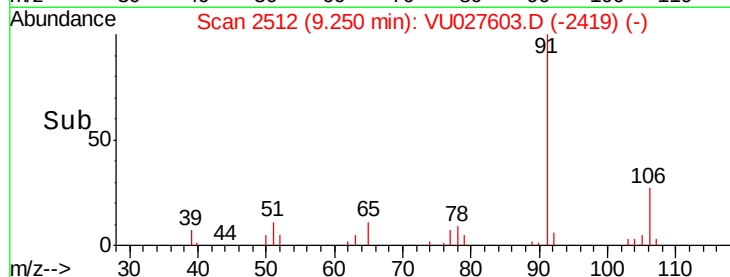
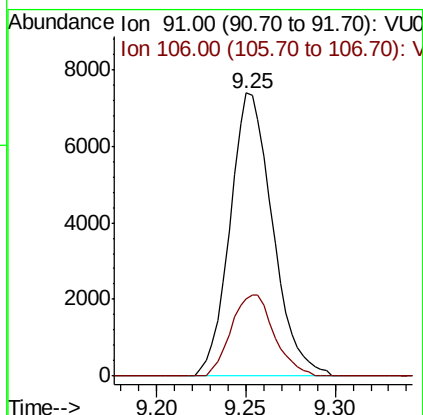
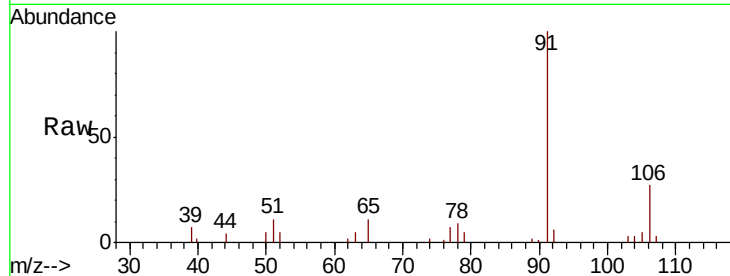




#67
Ethyl Benzene
Concen: 1.963 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

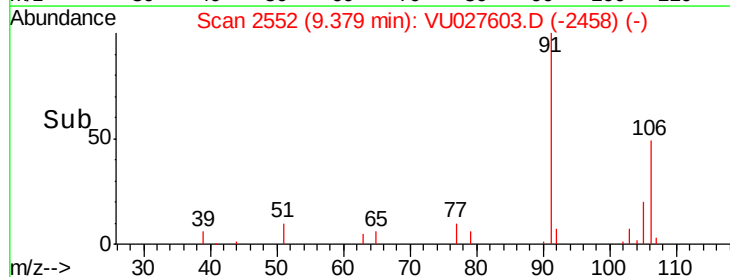
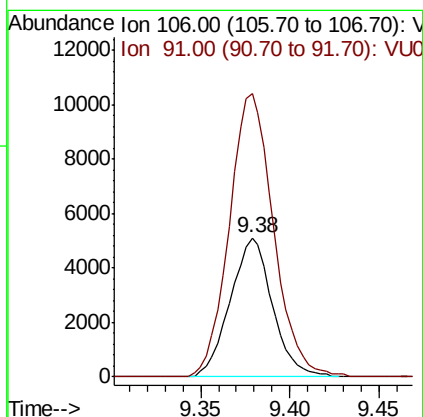
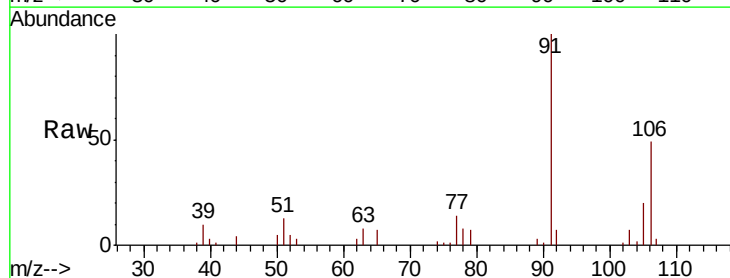
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

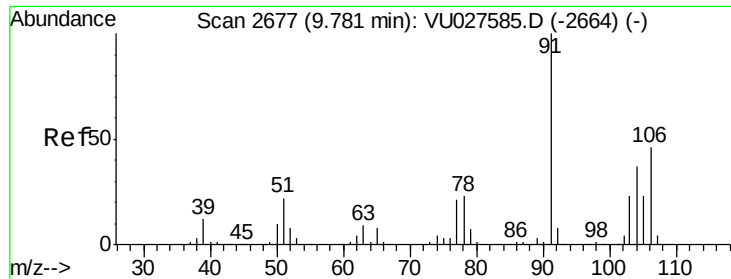
Tgt Ion: 91 Resp: 12249
Ion Ratio Lower Upper
91 100
106 27.5 23.6 35.4



#68
m/p-Xylenes
Concen: 3.673 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 106 Resp: 8370
Ion Ratio Lower Upper
106 100
91 213.7 168.1 252.1

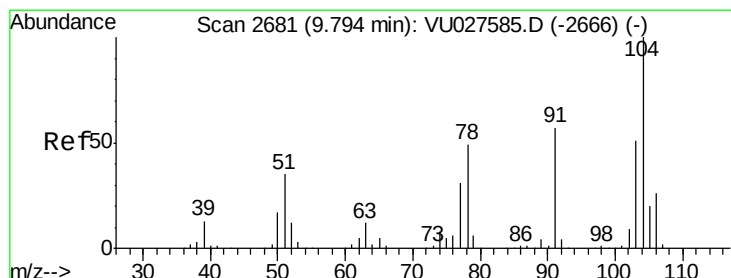
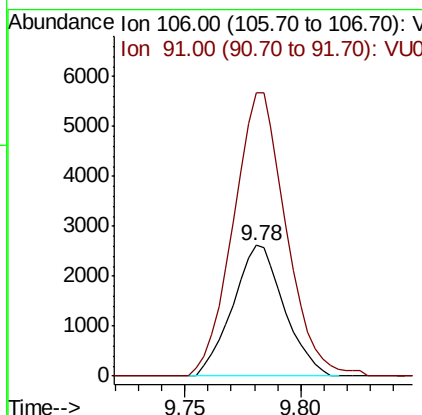
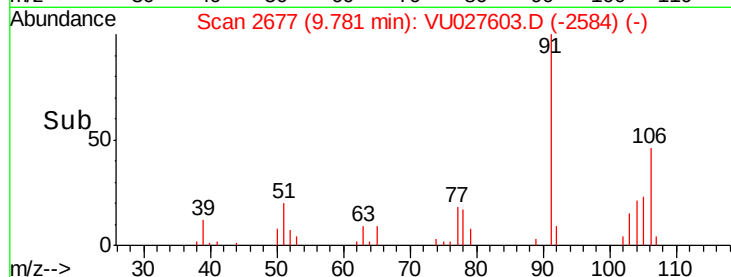
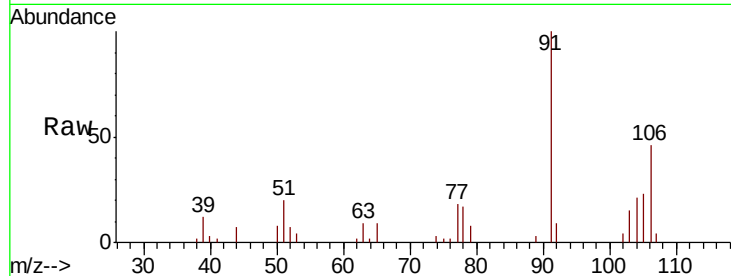




#69
o-Xylene
Concen: 1.819 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

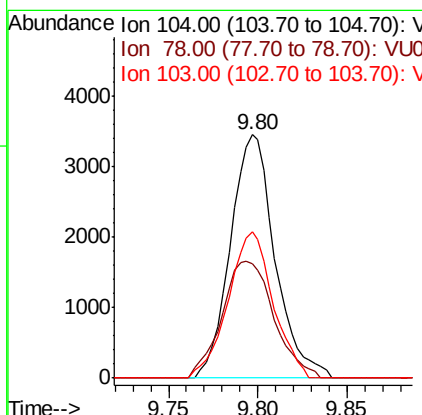
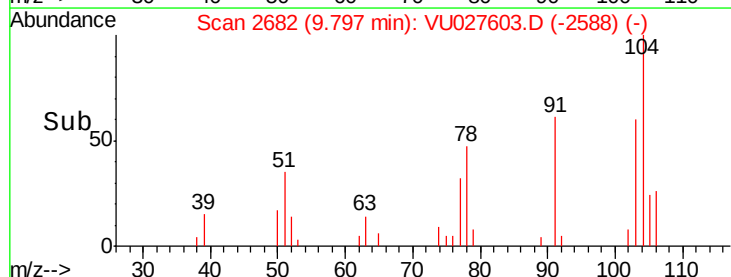
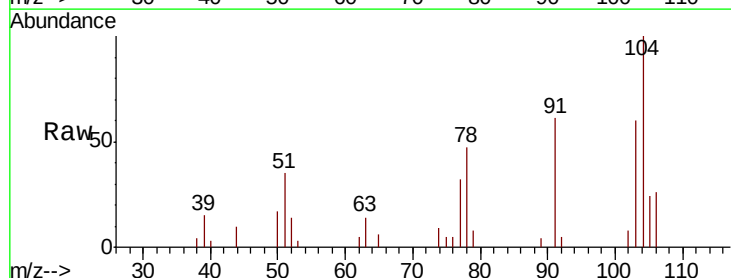
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

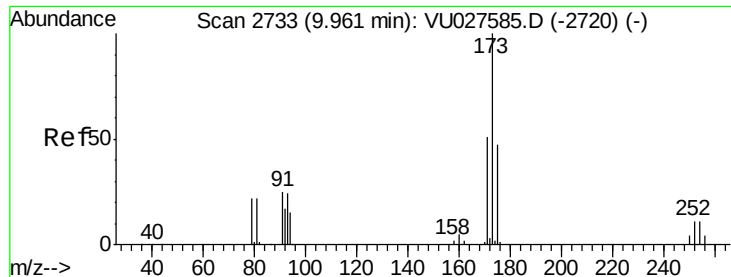
Tgt Ion:106 Resp: 4030
Ion Ratio Lower Upper
106 100
91 223.0 111.7 334.9



#70
Styrene
Concen: 2.693 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:104 Resp: 6018
Ion Ratio Lower Upper
104 100
78 56.1 42.9 64.3
103 60.2 43.9 65.9





#71

Bromoform

Concen: 1.836 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

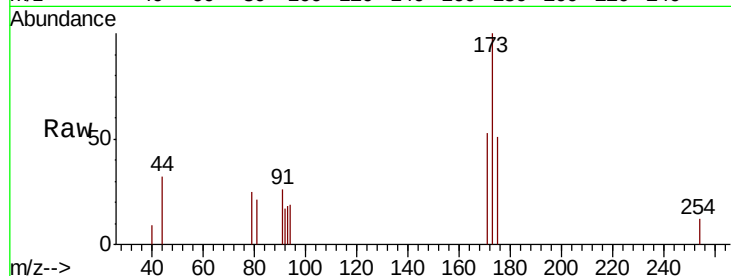
Tgt Ion:173 Resp: 1899

Ion Ratio Lower Upper

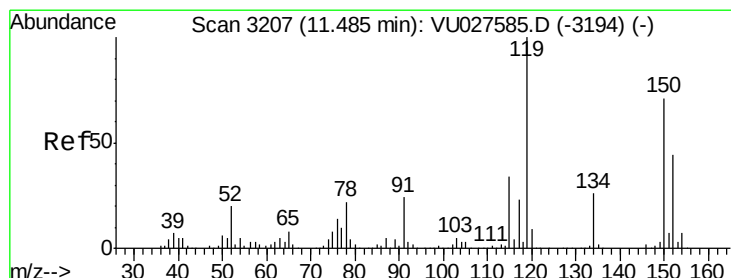
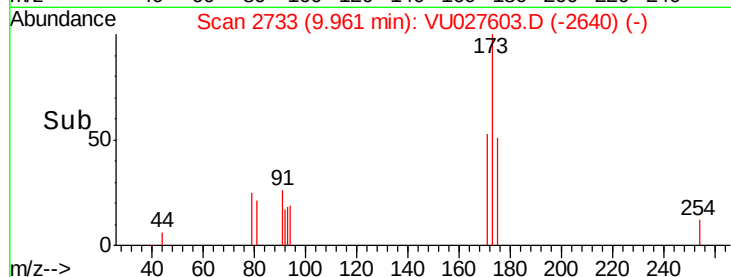
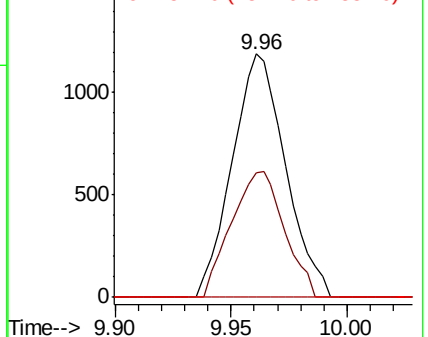
173 100

175 51.4 24.3 73.0

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: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

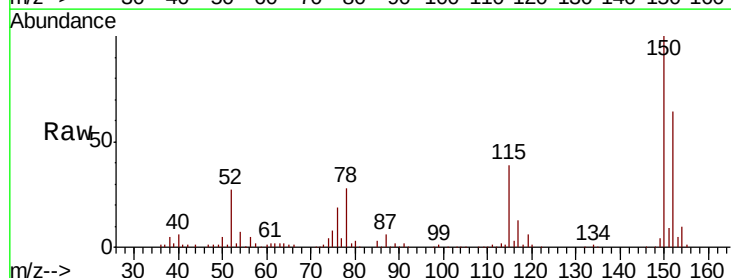
Tgt Ion:152 Resp: 77416

Ion Ratio Lower Upper

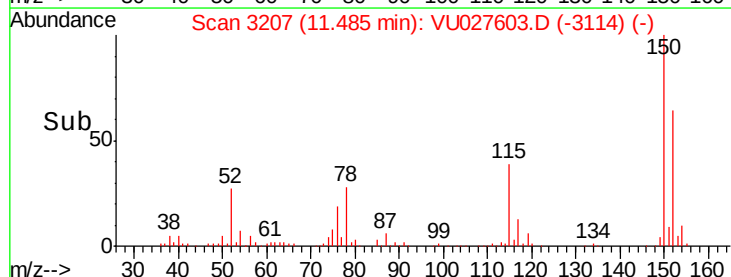
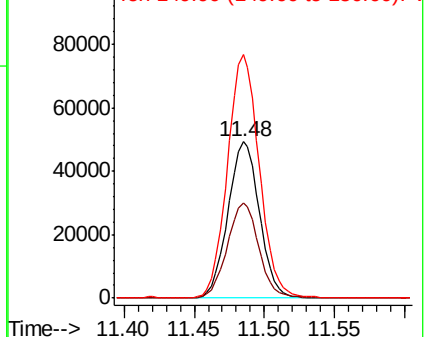
152 100

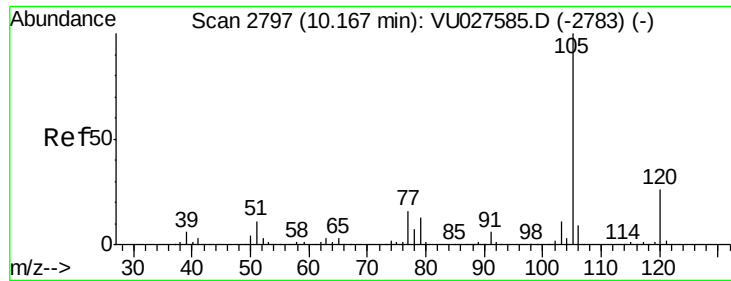
115 60.7 43.4 130.2

150 156.9 0.0 349.2



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: 2.031 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

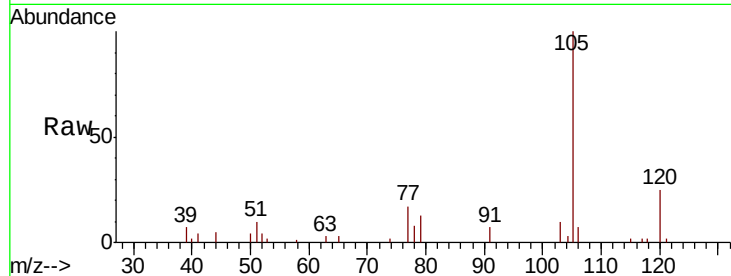
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Tgt Ion: 105 Resp: 10584

Ion Ratio Lower Upper

105 100

120 24.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

8000

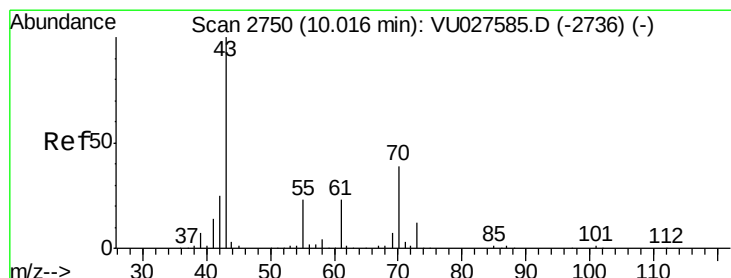
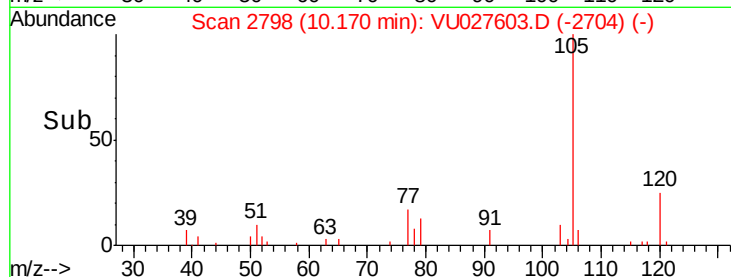
6000

4000

2000

0

Time--> 10.10 10.15 10.20



#74

N-ethyl acetate

Concen: 1.822 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Tgt Ion: 43 Resp: 5601

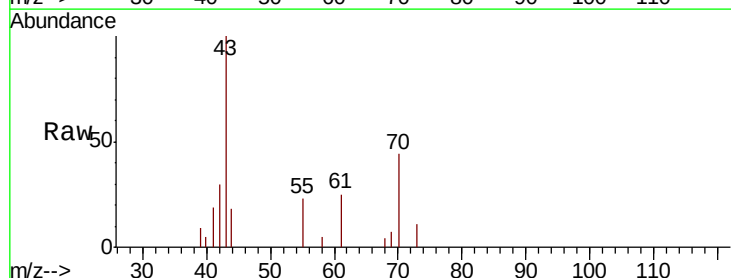
Ion Ratio Lower Upper

43 100

70 38.4 31.3 46.9

55 22.8 19.0 28.6

61 21.8 18.5 27.7



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

5000

4000

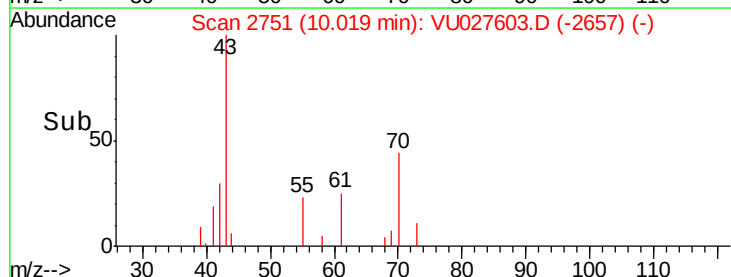
3000

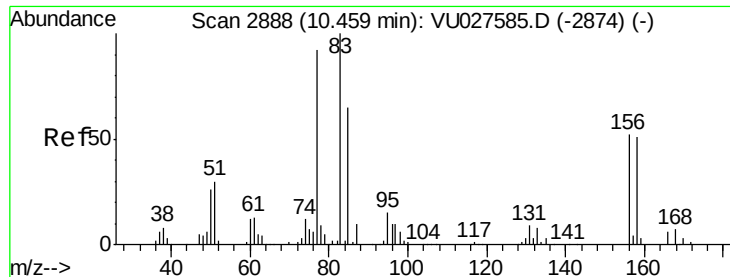
2000

1000

0

Time--> 9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 2.302 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

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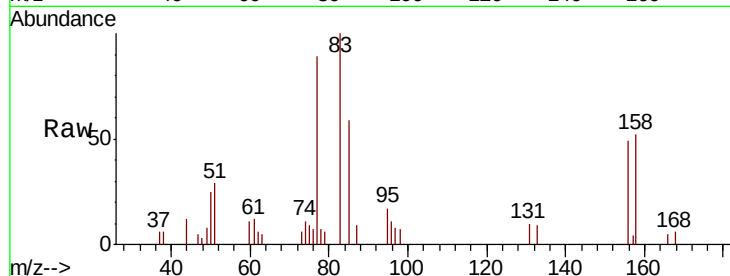
Tgt Ion: 83 Resp: 5161

Ion Ratio Lower Upper

83 100

131 8.3 4.4 13.2

85 61.2 32.0 96.0

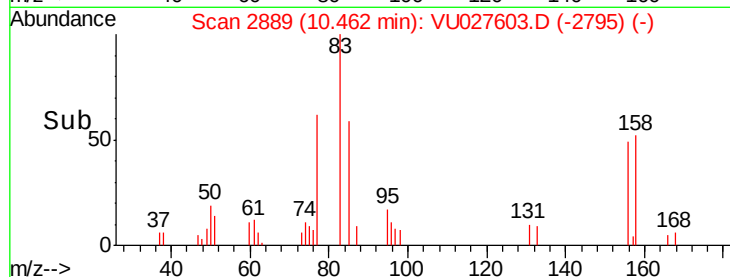


Abundance Ion 82.90 (82.60 to 83.60): VU027585.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027585.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027585.D (-2874) (-)

Time-->

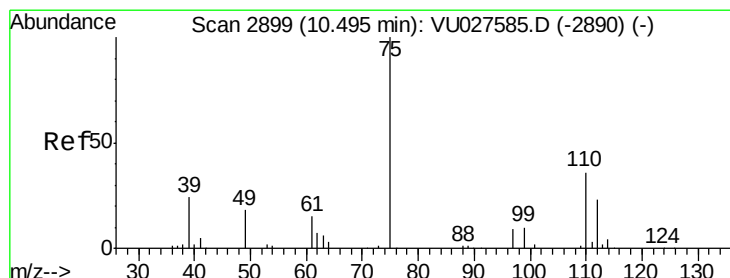


Abundance Ion 82.90 (82.60 to 83.60): VU027603.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027603.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027603.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 2.685 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU027603.D

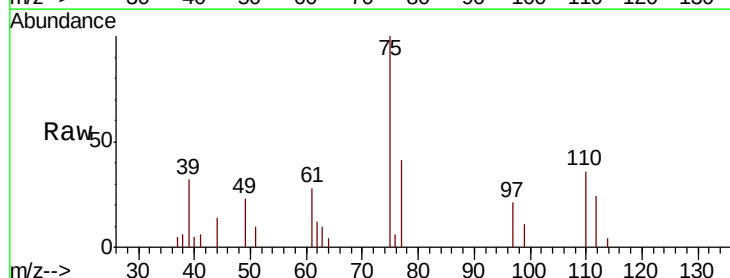
Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 5963

Ion Ratio Lower Upper

75 100

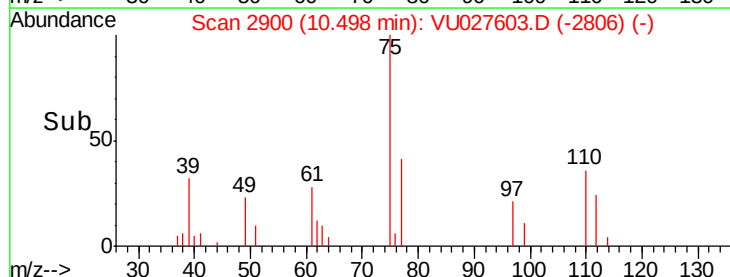
77 33.1 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027585.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027585.D (-2890) (-)

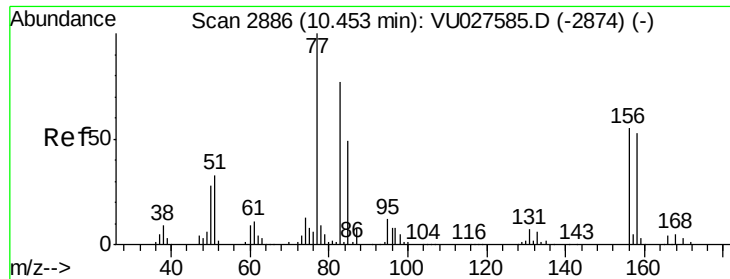
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU027603.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027603.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 2.206 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027603.D

Acq: 11 Oct 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

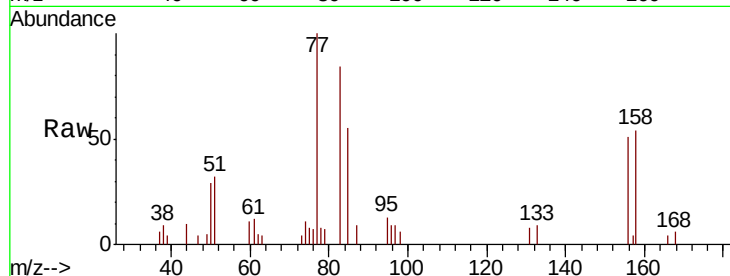
Tgt Ion:156 Resp: 2817

Ion Ratio Lower Upper

156 100

77 195.3 94.8 284.4

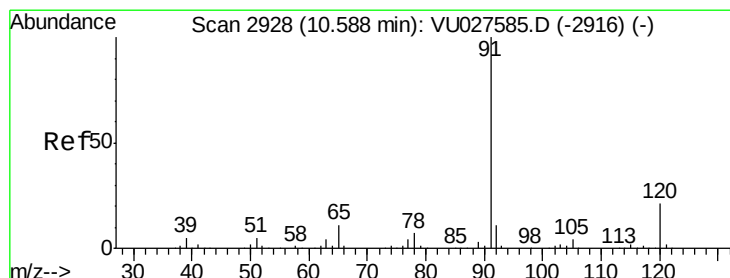
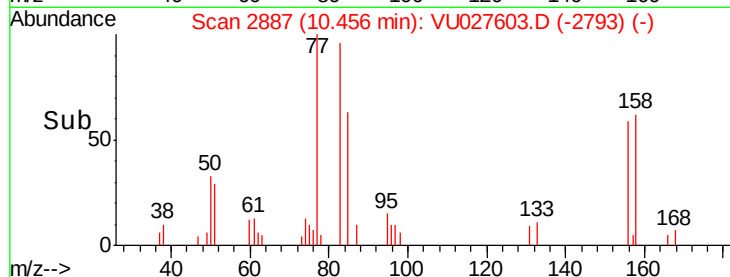
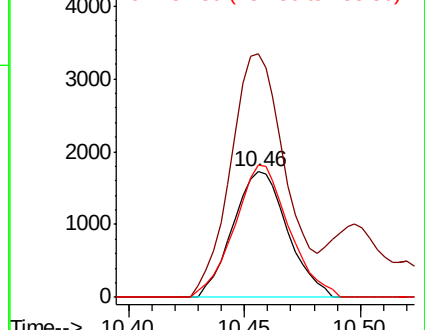
158 105.6 47.4 142.3



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: 2.031 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027603.D

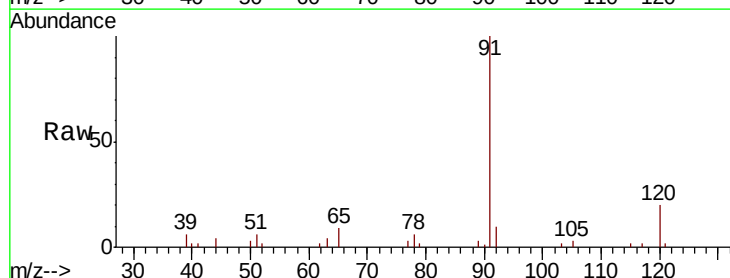
Acq: 11 Oct 2018 16:54

Tgt Ion: 91 Resp: 12851

Ion Ratio Lower Upper

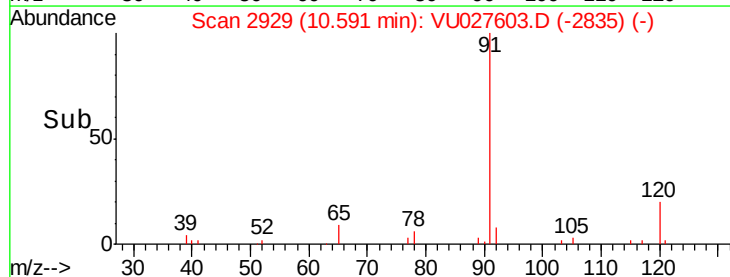
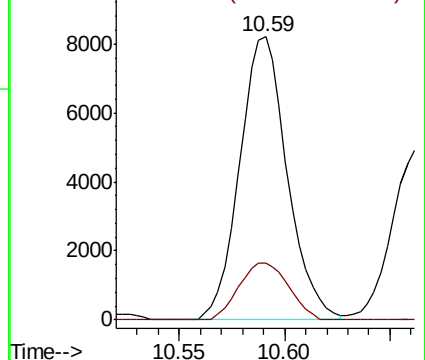
91 100

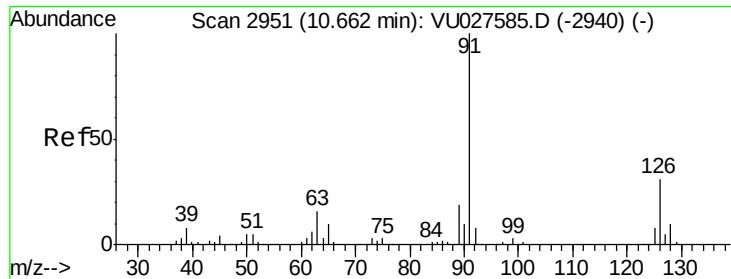
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

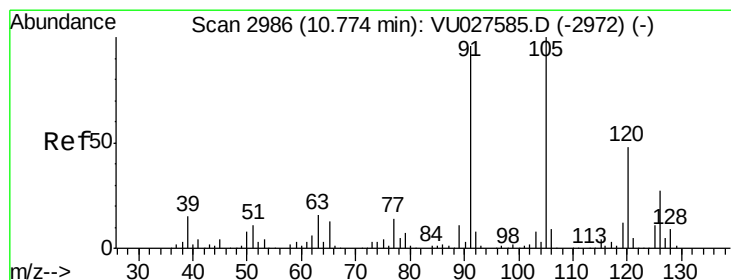
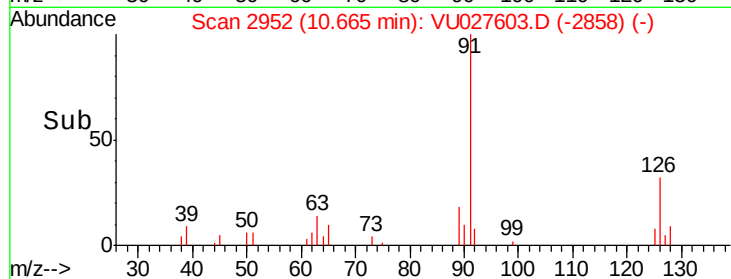
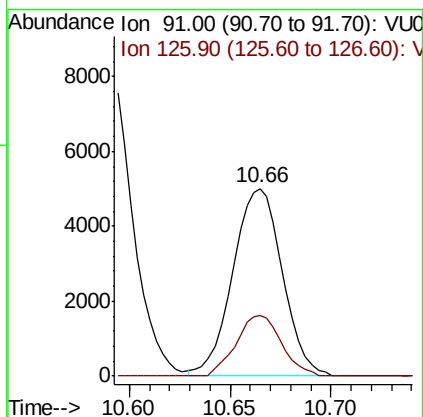
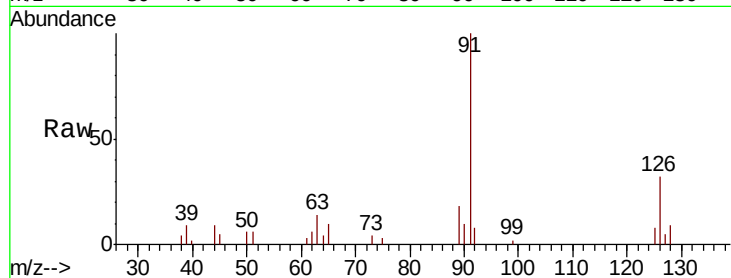




#79
 2-Chlorotoluene
 Concen: 2.218 ug/l
 RT: 10.66 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

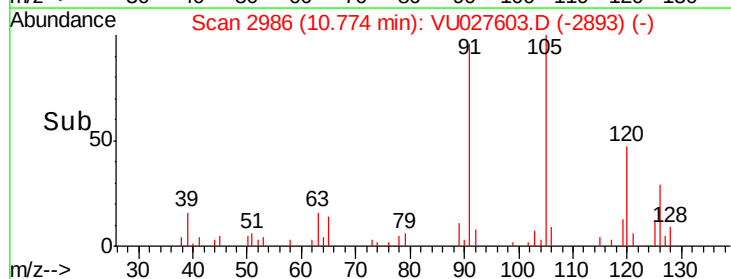
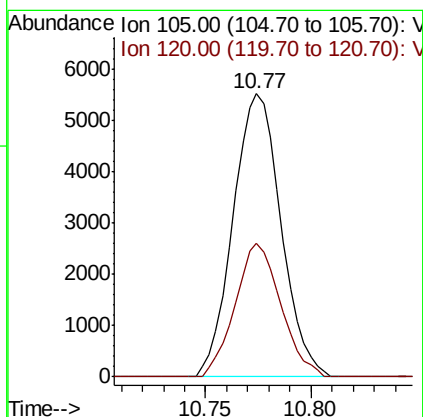
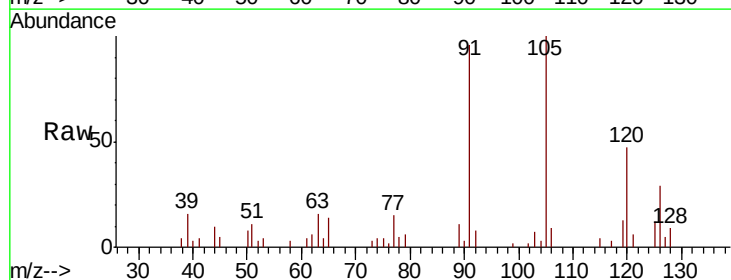
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

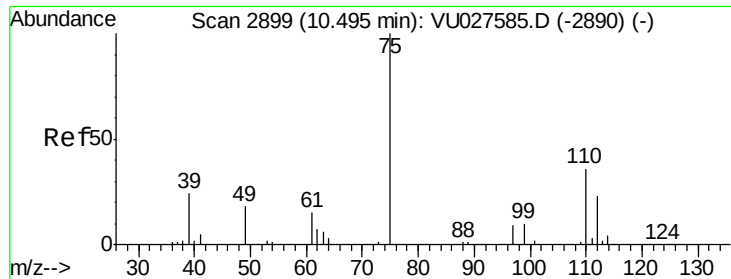
Tgt Ion: 91 Resp: 8607
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 1.678 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 105 Resp: 8696
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.1 72.4

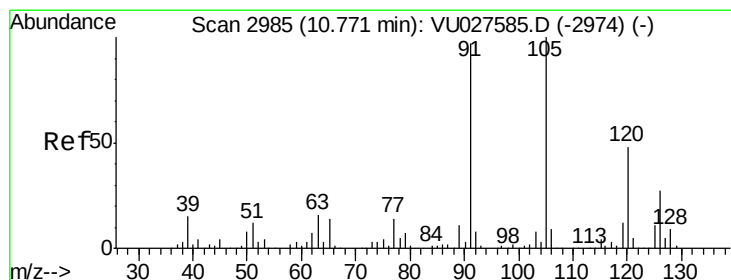
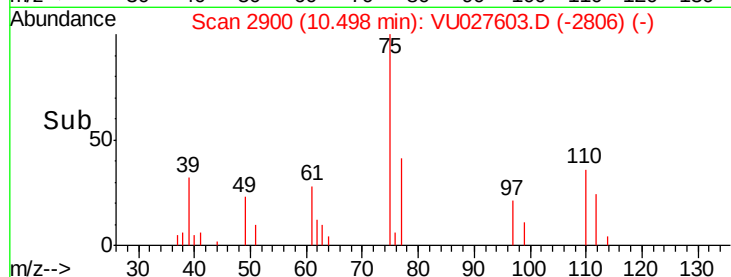
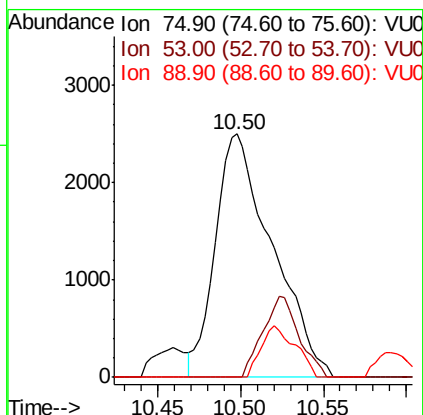
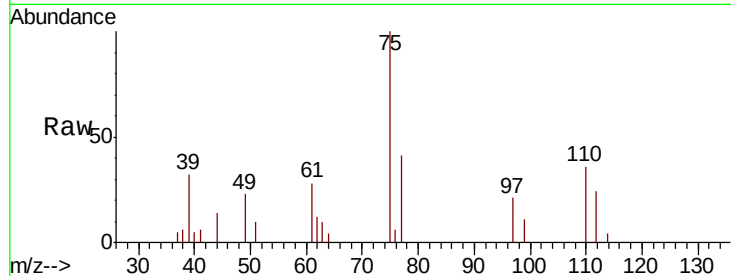




#81
trans-1,4-Dichloro-2-butene
Concen: 3.164 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

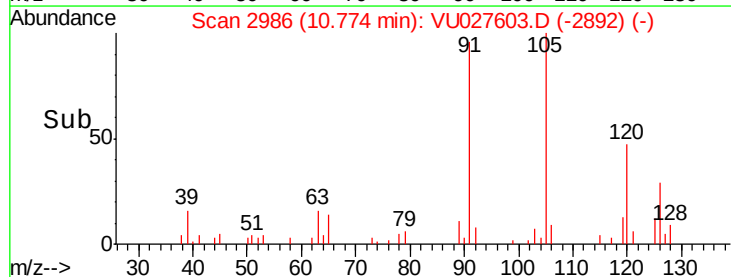
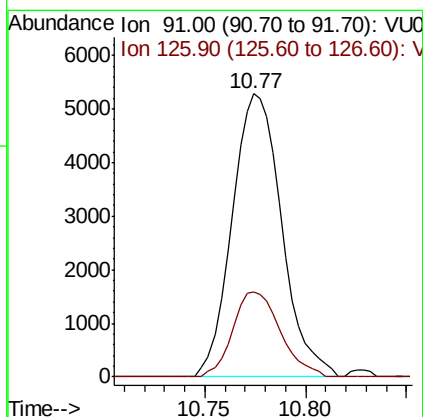
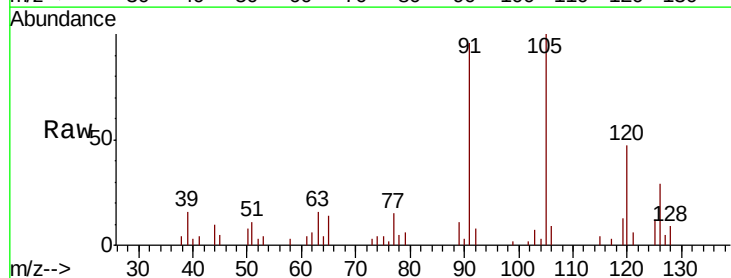
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

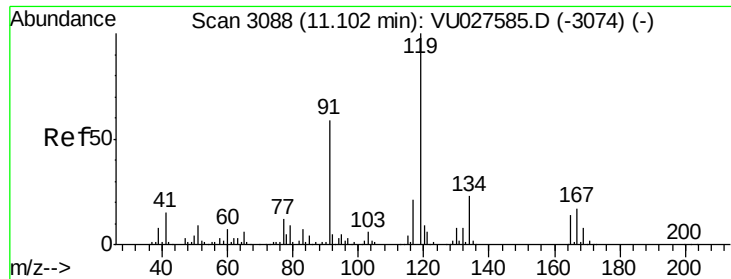
Tgt Ion: 75 Resp: 5963
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 2.090 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 91 Resp: 9063
Ion Ratio Lower Upper
91 100
126 29.0 13.6 40.8

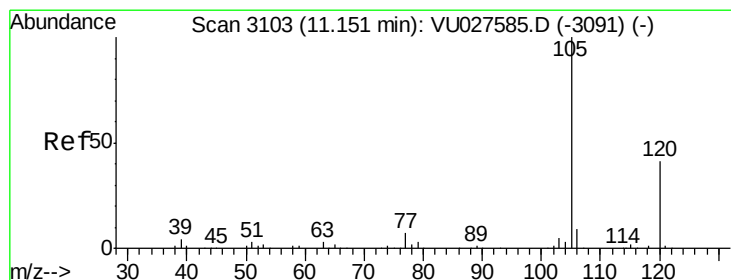
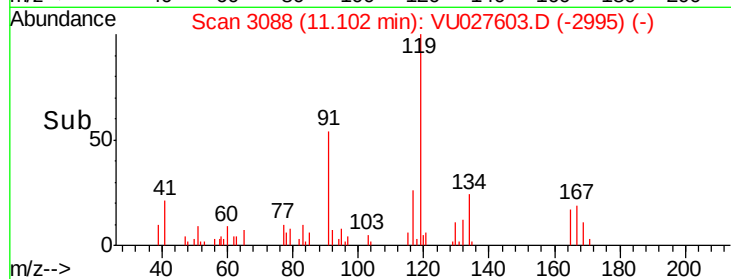
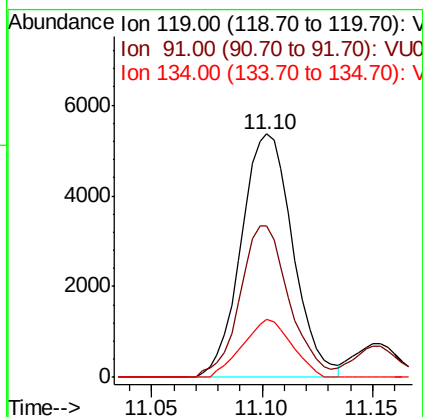
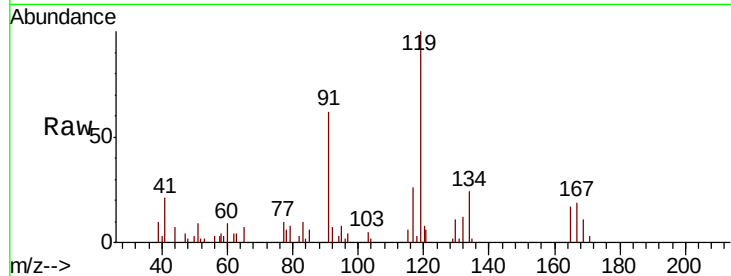




#83
 tert-Butylbenzene
 Concen: 2.056 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

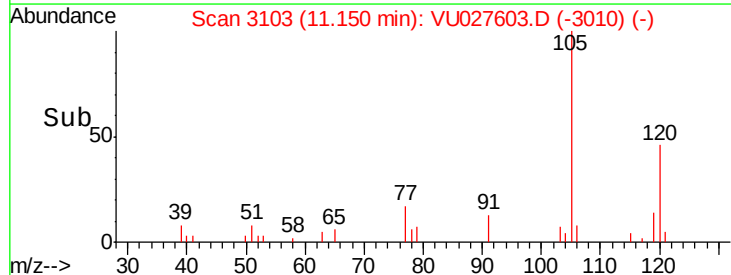
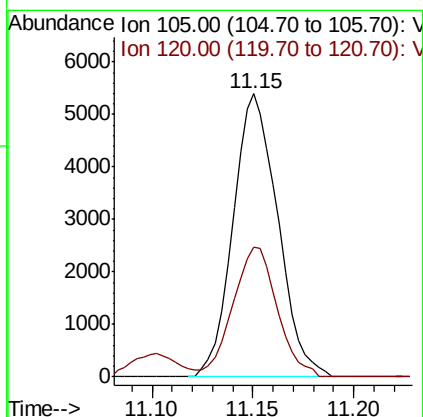
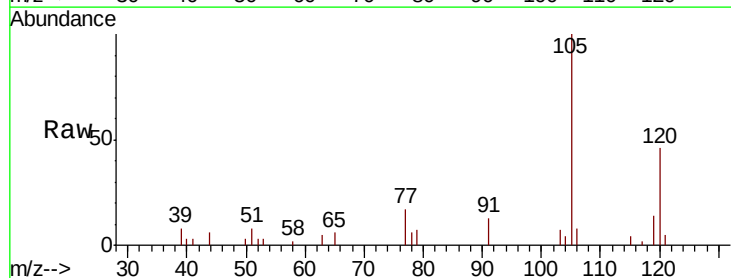
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

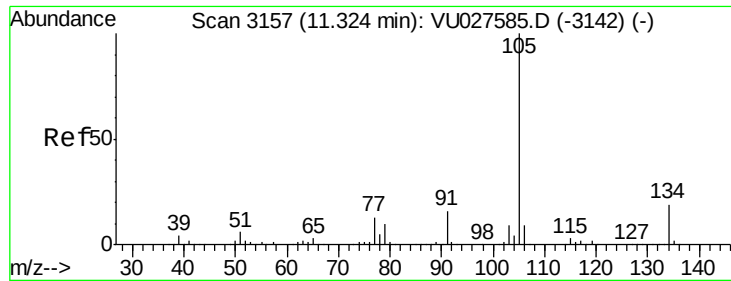
Tgt Ion:119 Resp: 8756
 Ion Ratio Lower Upper
 119 100
 91 59.3 30.3 91.0
 134 22.6 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 1.749 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion:105 Resp: 8364
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.5

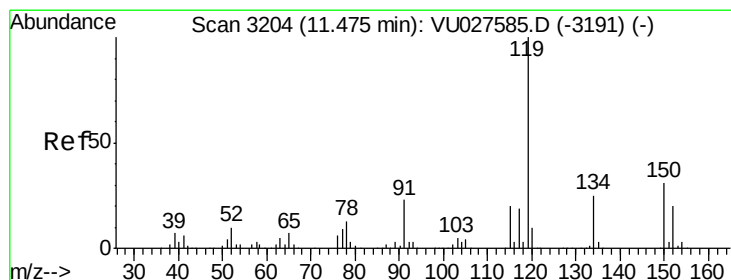
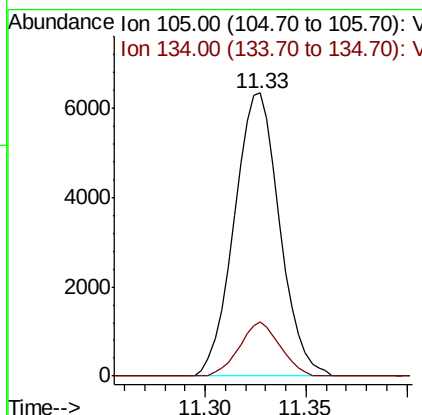
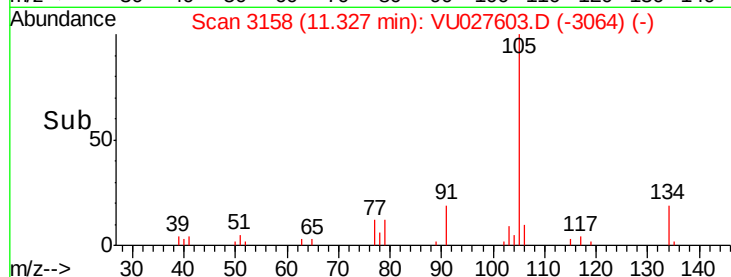
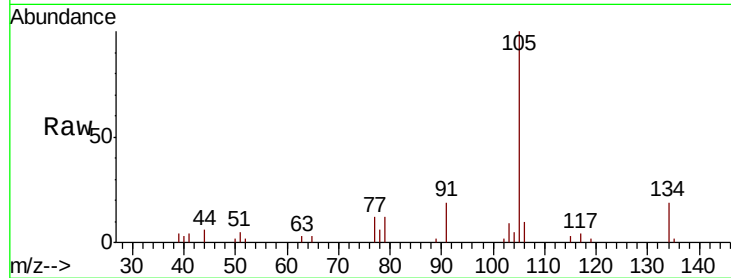




#85
 sec-Butylbenzene
 Concen: 2.060 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

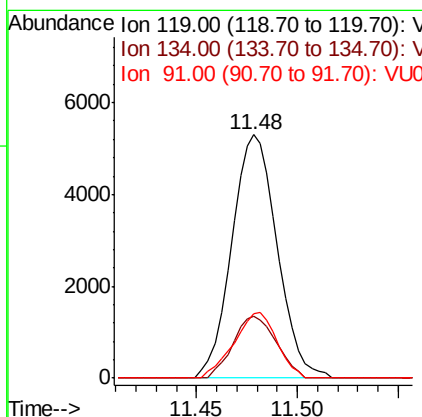
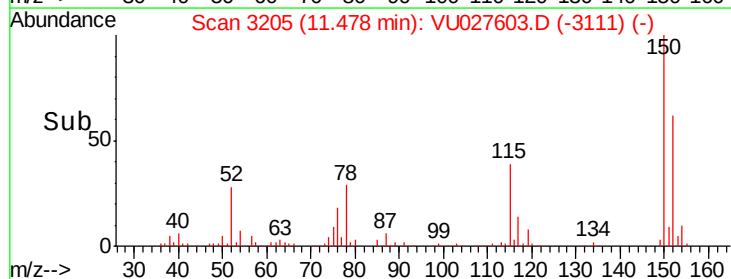
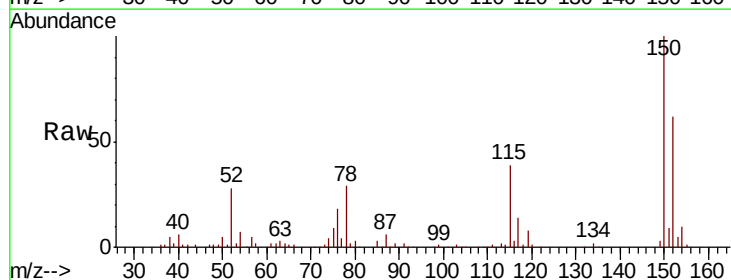
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

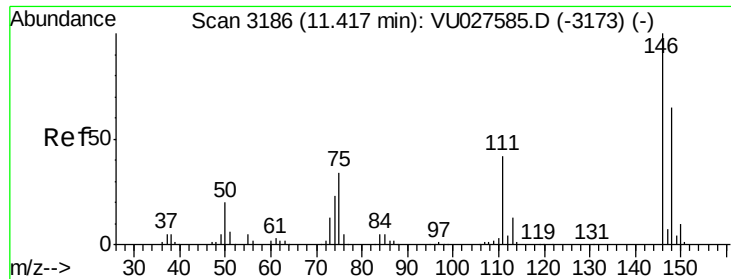
Tgt Ion:105 Resp: 9984
 Ion Ratio Lower Upper
 105 100
 134 17.3 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 2.168 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion:119 Resp: 8329
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.7 38.1
 91 25.5 12.2 36.4

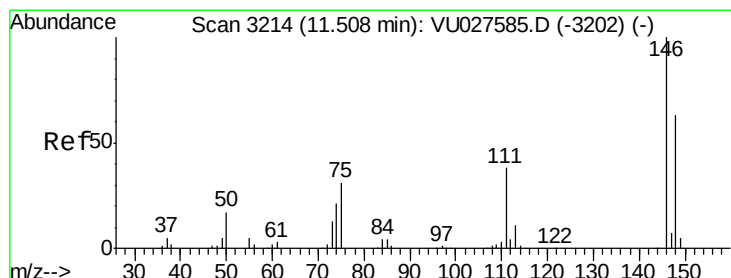
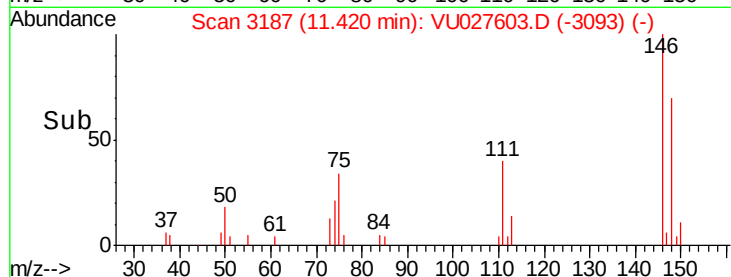
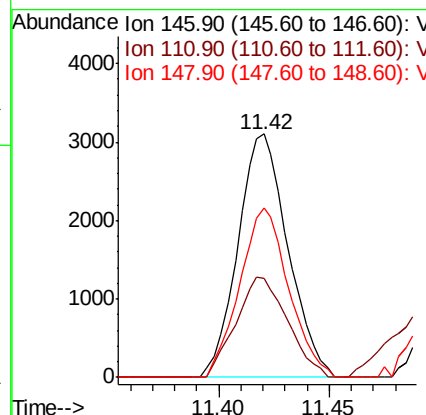
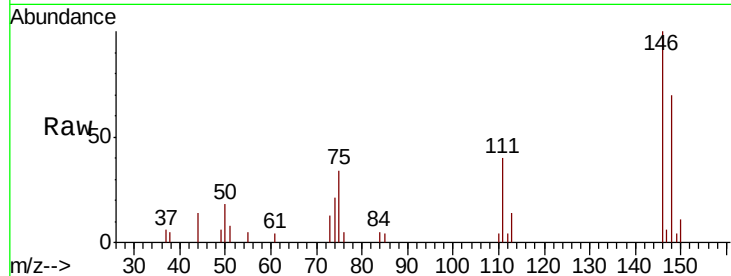




#87
 1,3-Dichlorobenzene
 Concen: 2.052 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

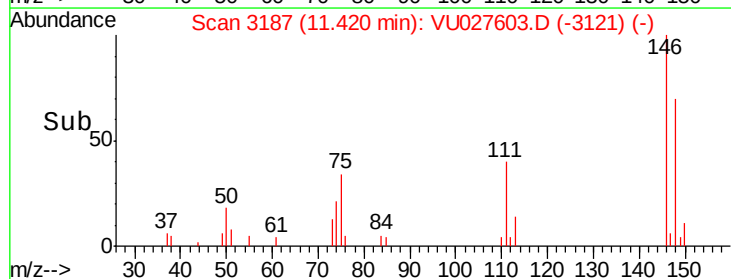
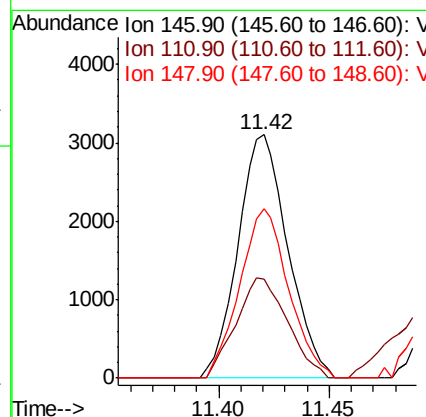
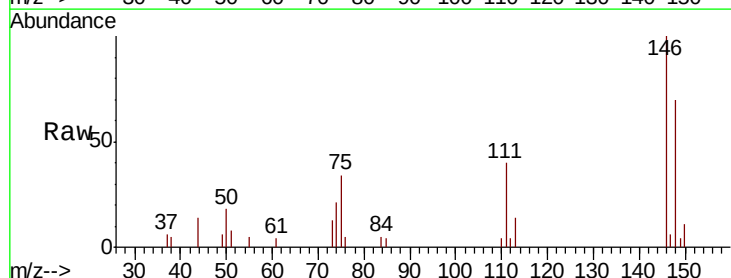
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

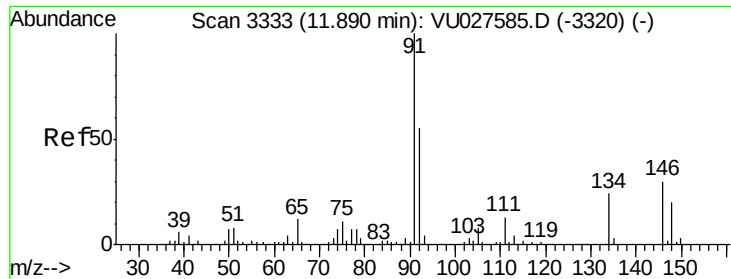
Tgt Ion:146 Resp: 4864
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.5
 148 68.4 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 1.938 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.09 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion:146 Resp: 4864
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.4 61.2
 148 68.4 31.9 95.5

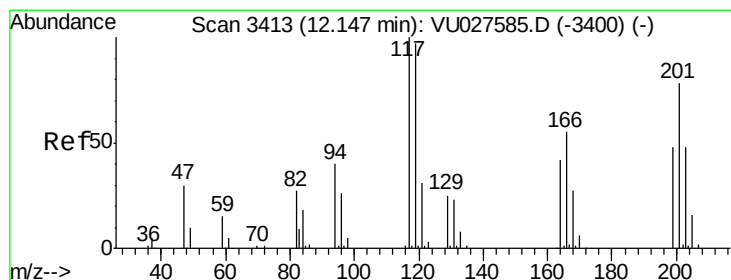
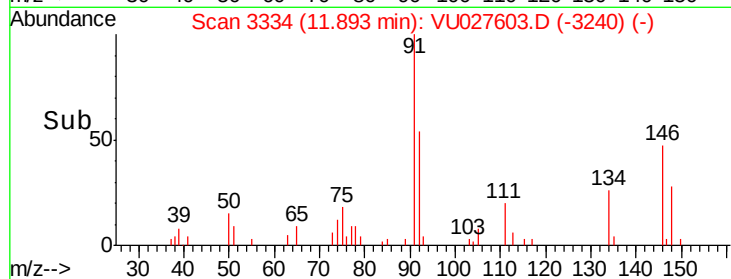
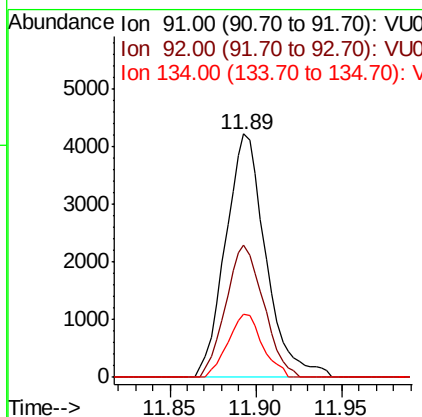
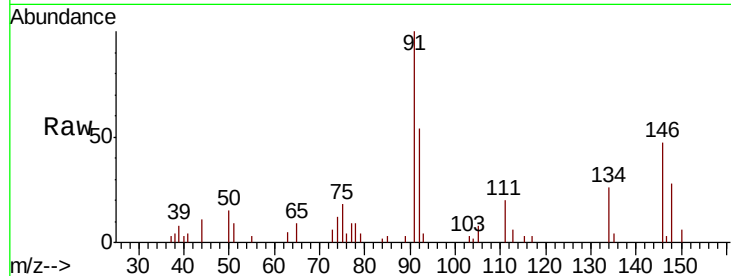




#89
n-Butylbenzene
Concen: 2.997 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

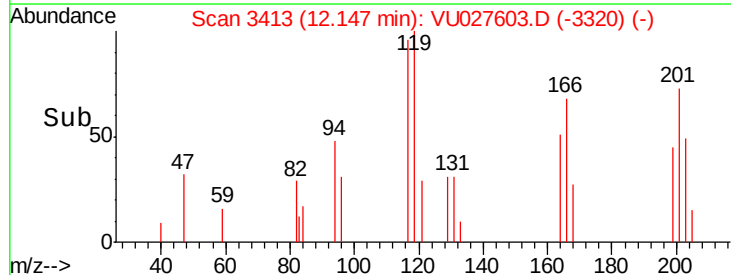
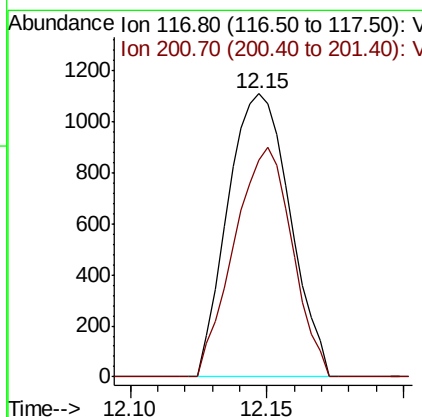
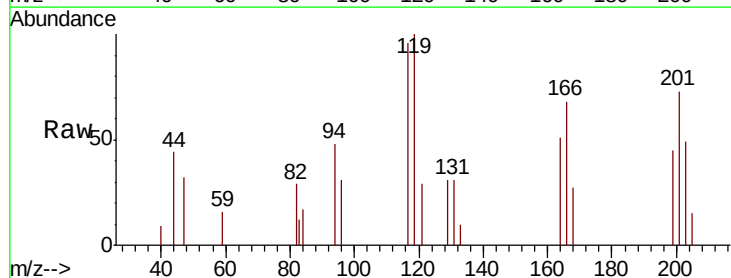
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

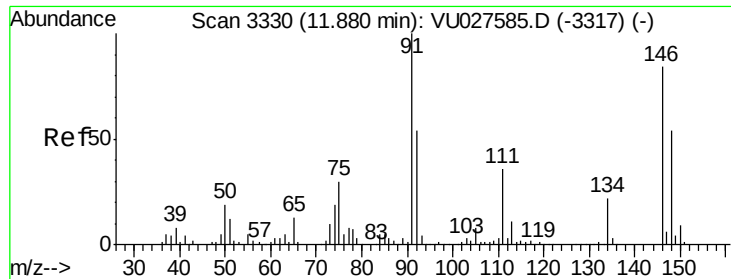
Tgt Ion: 91 Resp: 6917
Ion Ratio Lower Upper
91 100
92 50.9 27.0 81.0
134 22.2 11.7 35.1



#90
Hexachloroethane
Concen: 2.037 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion: 117 Resp: 1755
Ion Ratio Lower Upper
117 100
201 75.8 37.9 113.6

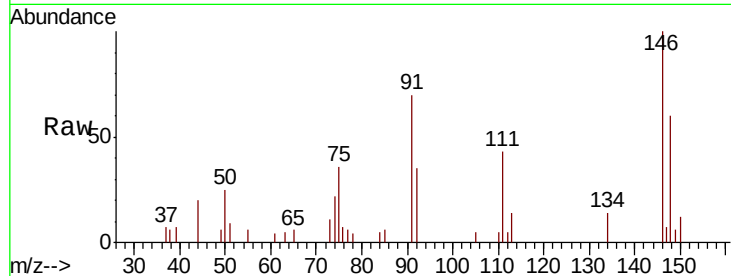




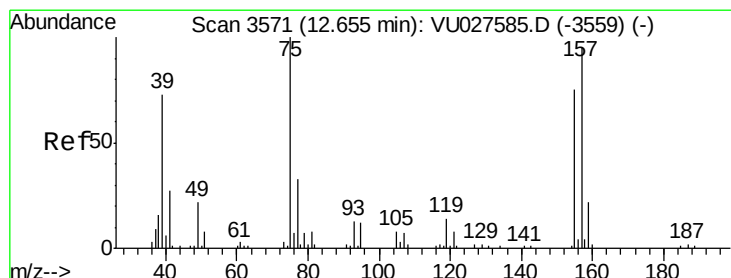
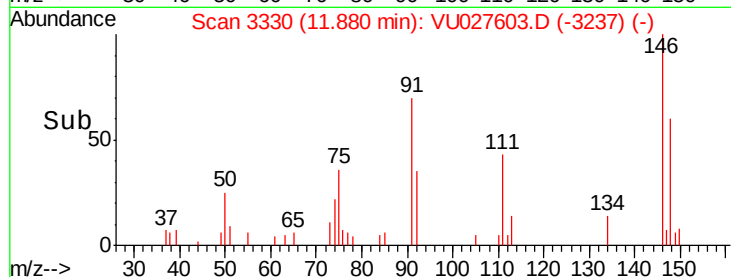
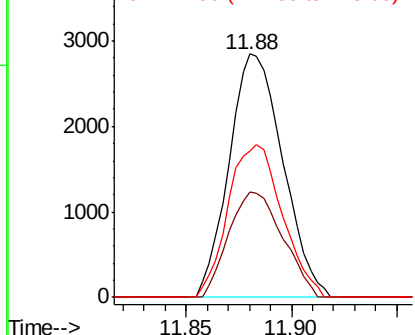
#91
 1,2-Dichlorobenzene
 Concen: 2.106 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

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

Tgt Ion: 146 Resp: 5034
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.8 65.4
 148 63.3 31.9 95.5

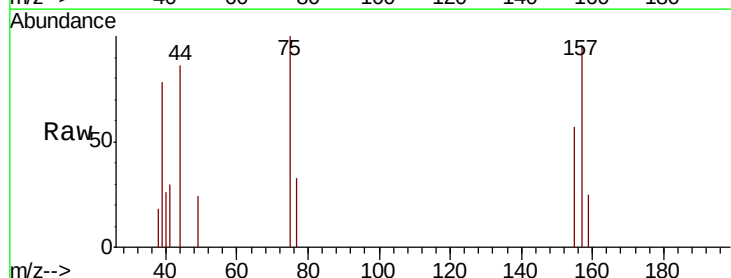


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

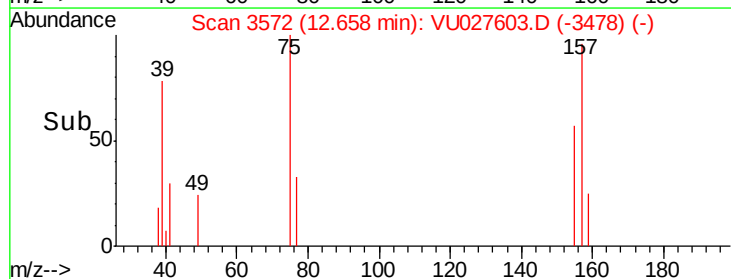
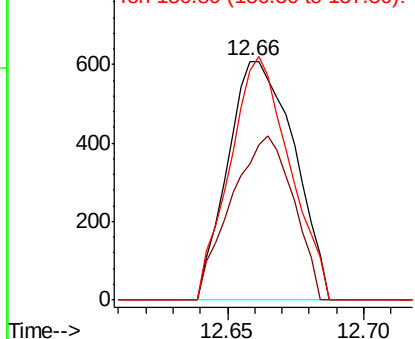


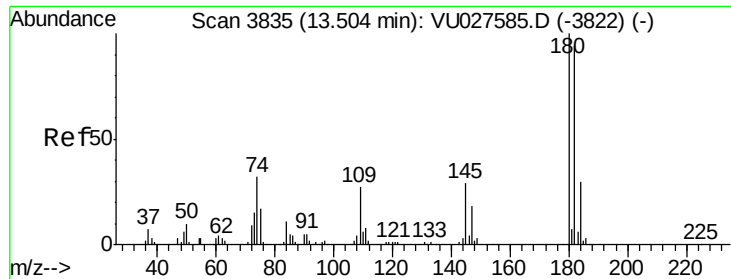
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.106 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion: 75 Resp: 1032
 Ion Ratio Lower Upper
 75 100
 155 64.2 35.9 107.8
 157 91.3 46.9 140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

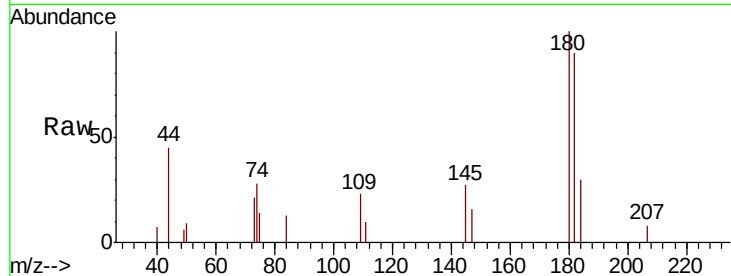




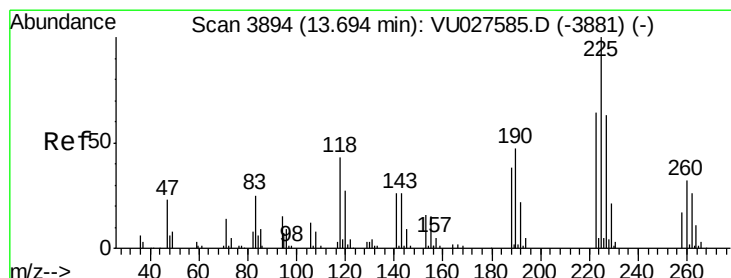
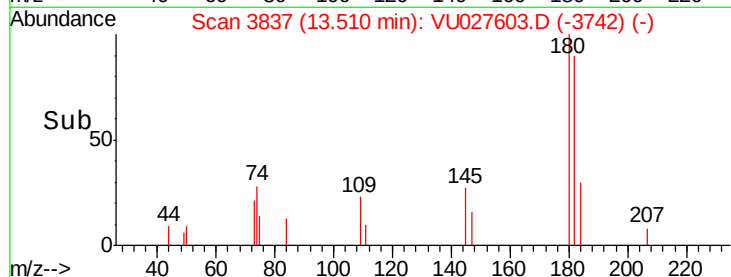
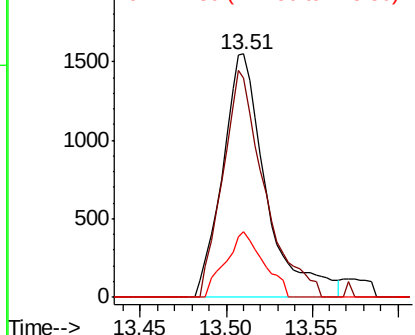
#93
 1,2,4-Trichlorobenzene
 Concen: 3.235 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

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

Tgt Ion:180 Resp: 2727
 Ion Ratio Lower Upper
 180 100
 182 88.6 47.4 142.3
 145 23.4 14.6 44.0

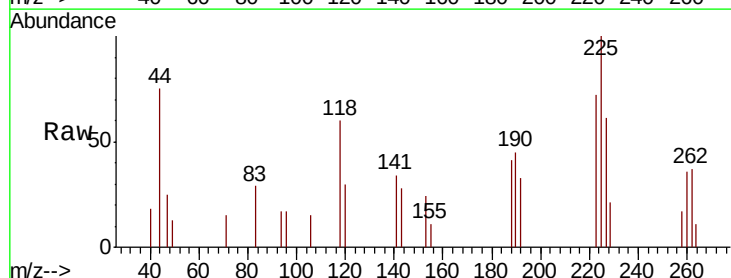


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

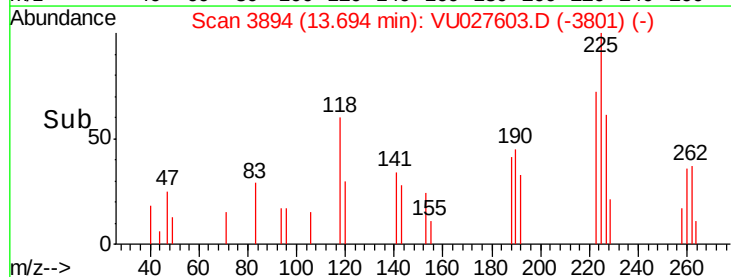
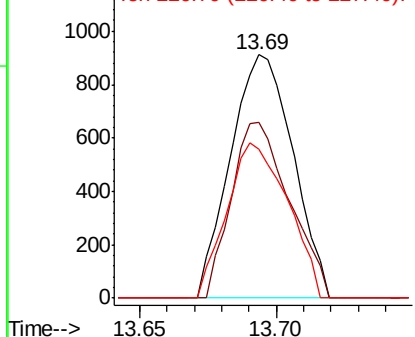


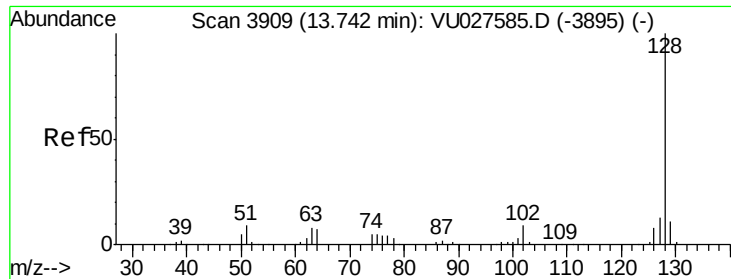
#94
 Hexachlorobutadiene
 Concen: 1.893 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027603.D
 Acq: 11 Oct 2018 16:54

Tgt Ion:225 Resp: 1452
 Ion Ratio Lower Upper
 225 100
 223 67.1 31.8 95.3
 227 62.1 31.9 95.7



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

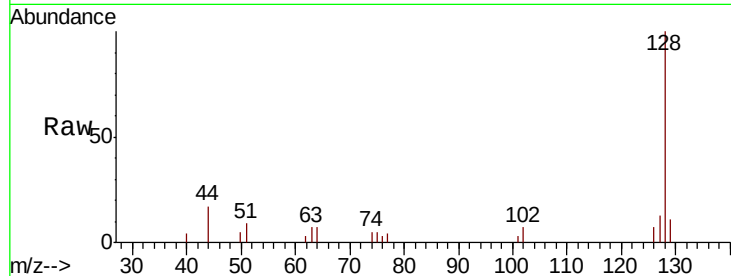




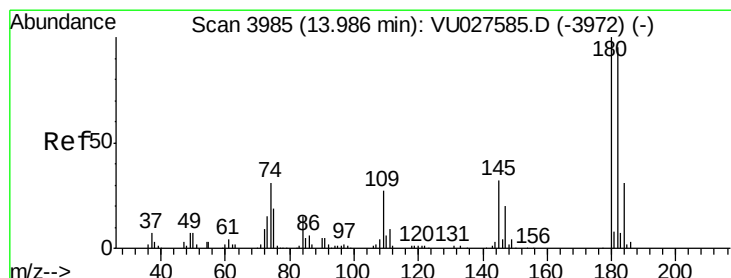
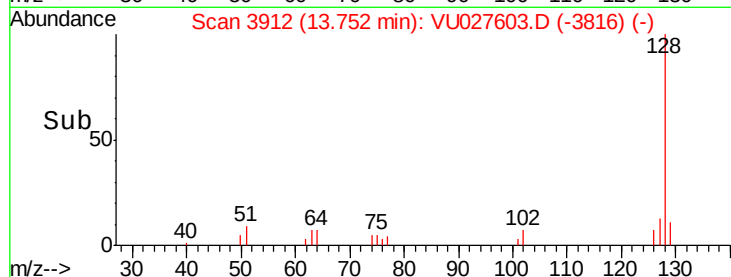
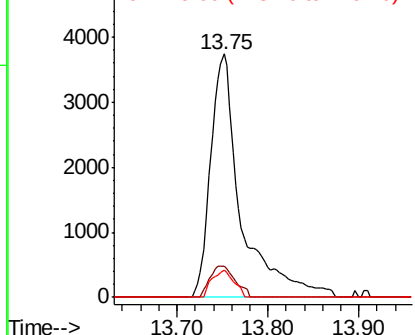
#95
Naphthalene
Concen: 2.750 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

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

Tgt Ion:128 Resp: 8720
Ion Ratio Lower Upper
128 100
127 10.7 10.5 15.7
129 8.0 8.6 12.8#

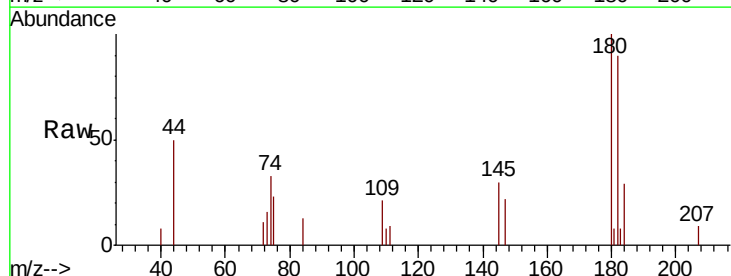


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.857 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027603.D
Acq: 11 Oct 2018 16:54

Tgt Ion:180 Resp: 2923
Ion Ratio Lower Upper
180 100
182 98.9 47.4 142.2
145 25.7 15.9 47.7



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

