

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027604.D
 Acq On : 11 Oct 2018 17:17
 Operator : MD/SY
 Sample : J5164-08 10ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Oct 12 02:49:34 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	4.98	168	115069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	197951	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	180522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88711	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89974	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	4.88	113	65541	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	7.57	98	246856	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	10.31	95	86107	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	13909	11.113	ug/l	99
3) Chloromethane	1.33	50	21622	11.027	ug/l	99
4) Vinyl Chloride	1.40	62	20129	10.923	ug/l	99
5) Bromomethane	1.60	94	11728	11.723	ug/l	95
6) Chloroethane	1.68	64	12563	10.553	ug/l	96
7) Trichlorofluoromethane	1.88	101	21964	10.668	ug/l	98
8) Diethyl Ether	2.10	74	10000	10.767	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	13439	11.163	ug/l	95
10) Methyl Iodide	2.41	142	9365	9.569	ug/l	99
11) Tert butyl alcohol	2.84	59	22804	52.526	ug/l	96
12) 1,1-Dichloroethene	2.28	96	12070	10.221	ug/l	95
13) Acrolein	2.20	56	17654	51.257	ug/l	99
14) Allyl chloride	2.59	41	32721	11.422	ug/l	90
15) Acrylonitrile	2.94	53	54267	52.581	ug/l	98
16) Acetone	2.32	43	53271	49.057	ug/l	98
17) Carbon Disulfide	2.47	76	42755	10.561	ug/l	100
18) Methyl Acetate	2.62	43	28283	10.416	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	48086	10.581	ug/l	98
20) Methylene Chloride	2.70	84	16543	10.763	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	14371	11.010	ug/l	99
22) Diisopropyl ether	3.58	45	60122	10.957	ug/l	94
23) Vinyl Acetate	3.53	43	246536	53.120	ug/l	99
24) 1,1-Dichloroethane	3.45	63	30799	10.602	ug/l	99
25) 2-Butanone	4.27	43	80033	52.011	ug/l	99
26) 2,2-Dichloropropane	4.22	77	22342	9.596	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	16081	11.111	ug/l	95
28) Bromochloromethane	4.55	49	15266	10.651	ug/l	98
29) Tetrahydrofuran	4.64	42	50416	52.244	ug/l	99
30) Chloroform	4.67	83	27631	10.698	ug/l	97
31) Cyclohexane	4.99	56	30632	10.096	ug/l	# 92
32) 1,1,1-Trichloroethane	4.92	97	23231	10.663	ug/l	99
36) 1,1-Dichloropropene	5.14	75	21331	10.607	ug/l	97
37) Ethyl Acetate	4.39	43	29163	10.090	ug/l	98
38) Carbon Tetrachloride	5.13	117	19575	10.559	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	22955	10.120	ug/l	98
40) Benzene	5.39	78	63241	10.400	ug/l	99
41) Methacrylonitrile	4.55	41	15693	10.275	ug/l	98
42) 1,2-Dichloroethane	5.40	62	23726	10.556	ug/l	100
43) Isopropyl Acetate	5.55	43	44076	10.557	ug/l	100
44) Trichloroethene	6.19	130	14197	10.579	ug/l	99
45) 1,2-Dichloropropane	6.44	63	18708	10.811	ug/l	98
46) Dibromomethane	6.56	93	10560	10.368	ug/l	98
47) Bromodichloromethane	6.76	83	20702	10.104	ug/l	100
48) Methyl methacrylate	6.63	41	21105	10.436	ug/l	100
49) 1,4-Dioxane	6.62	88	8696	217.685	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	147555	52.569	ug/l	99
52) Toluene	7.64	92	37643	10.822	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	23769	10.190	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	25645	10.103	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	14971	10.430	ug/l	98
56) Ethyl methacrylate	8.02	69	24300	10.952	ug/l	96
57) 1,3-Dichloropropane	8.24	76	29258	10.730	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	69653	51.801	ug/l	98
59) 2-Hexanone	8.37	43	113376	51.777	ug/l	99
60) Dibromochloromethane	8.48	129	15007	10.461	ug/l	99
61) 1,2-Dibromoethane	8.59	107	15752	10.421	ug/l	99
64) Tetrachloroethene	8.23	164	12021	10.720	ug/l	97
65) Chlorobenzene	9.12	112	38993	10.413	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	13692	10.695	ug/l	99
67) Ethyl Benzene	9.25	91	66338	10.327	ug/l	100
68) m/p-Xylenes	9.38	106	49233	20.992	ug/l	98
69) o-Xylene	9.78	106	23605	10.353	ug/l	98
70) Styrene	9.79	104	38827	10.260	ug/l	99
71) Bromoform	9.96	173	10843	10.187	ug/l #	100
73) Isopropylbenzene	10.17	105	65159	10.910	ug/l	99
74) N-amyl acetate	10.02	43	37268	10.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	27175	10.578	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	32434	12.744	ug/l	86
77) Bromobenzene	10.45	156	15602	10.664	ug/l	98
78) n-propylbenzene	10.59	91	74511	10.278	ug/l	100
79) 2-Chlorotoluene	10.66	91	47165	10.605	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	53736	9.996	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	32434	15.019	ug/l #	100
82) 4-Chlorotoluene	10.77	91	52650	10.595	ug/l	99
83) tert-Butylbenzene	11.10	119	52547	10.769	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	53498	9.810	ug/l	99
85) sec-Butylbenzene	11.32	105	63096	10.035	ug/l	99
86) p-Isopropyltoluene	11.48	119	53554	9.957	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	28067	10.332	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	28553	9.928	ug/l	97
89) n-Butylbenzene	11.89	91	44505	9.633	ug/l	99
90) Hexachloroethane	12.15	117	10394	10.528	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	28407	10.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	5688	10.127	ug/l	96

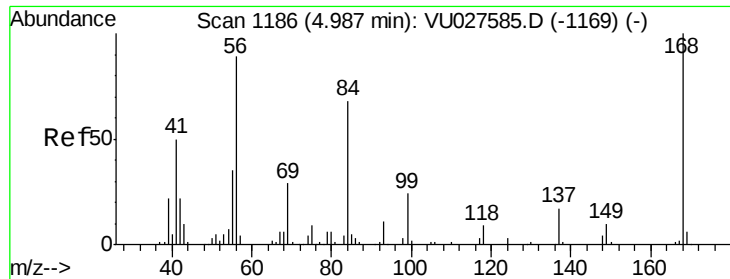
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	16512	10.055	ug/l	97
94) Hexachlorobutadiene	13.69	225	8901	10.127	ug/l	98
95) Naphthalene	13.75	128	54965	9.418	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	18244	10.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

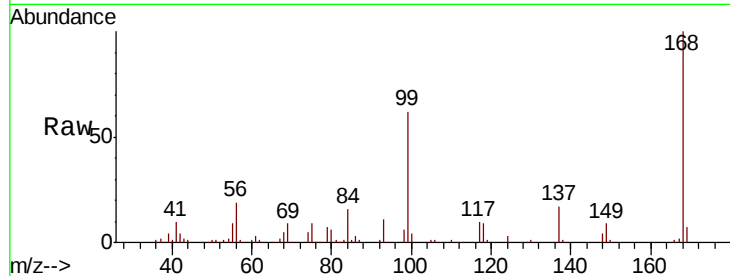
LOQ-WATER-02-QT4-2018

Tgt Ion: 168 Resp: 115069

Ion Ratio Lower Upper

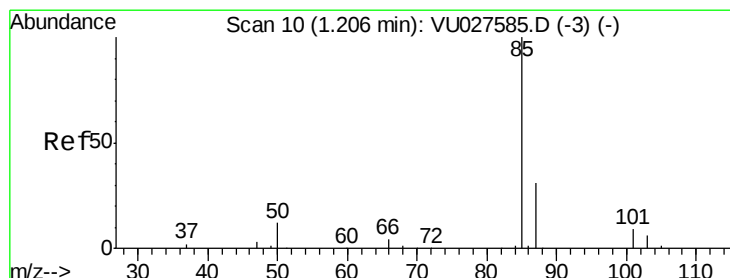
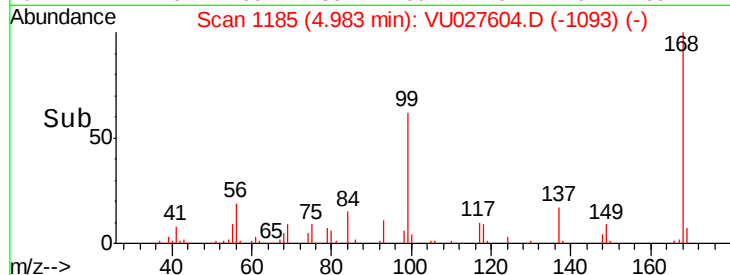
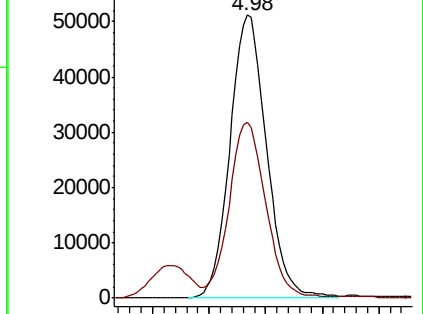
168 100

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): VU027604.D (-1093) (-)



#2

Dichlorodifluoromethane

Concen: 11.113 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027604.D

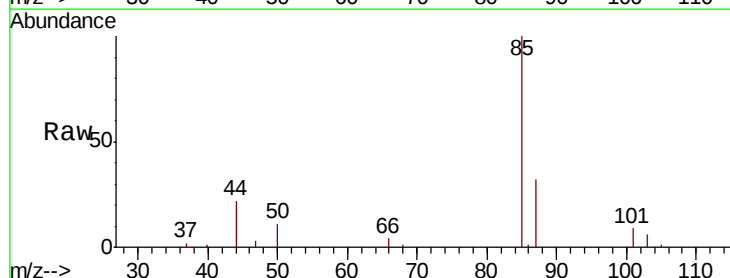
Acq: 11 Oct 2018 17:17

Tgt Ion: 85 Resp: 13909

Ion Ratio Lower Upper

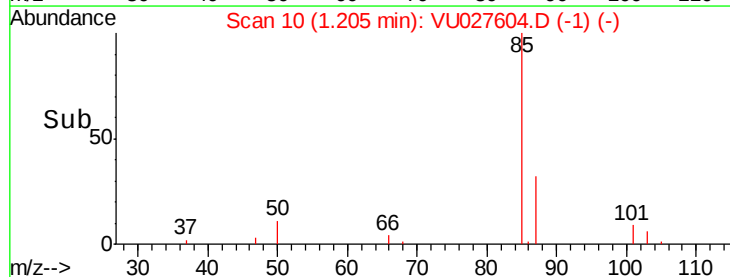
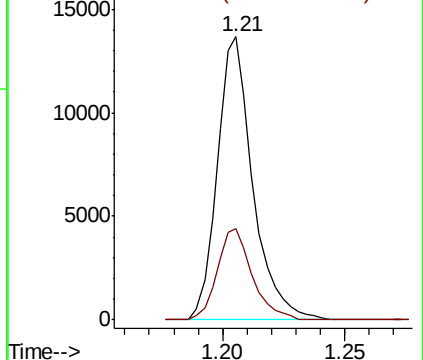
85 100

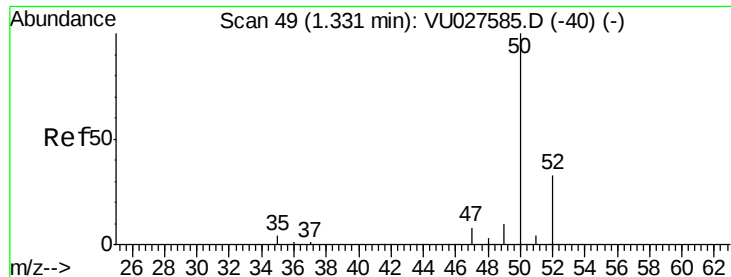
87 32.2 15.7 47.1



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

Ion 86.90 (86.60 to 87.60): VU027604.D (-1) (-)





#3

Chloromethane

Concen: 11.027 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

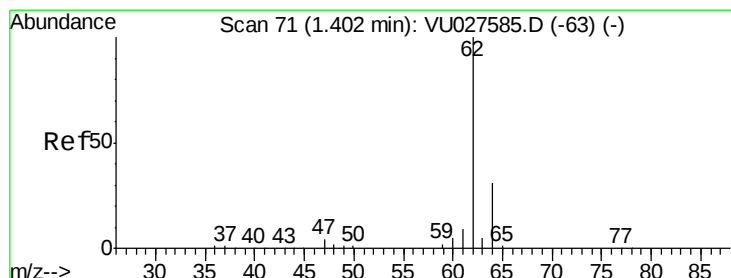
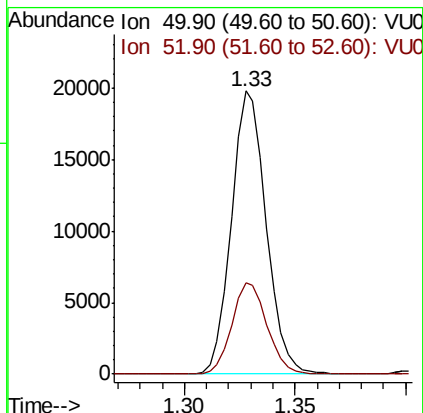
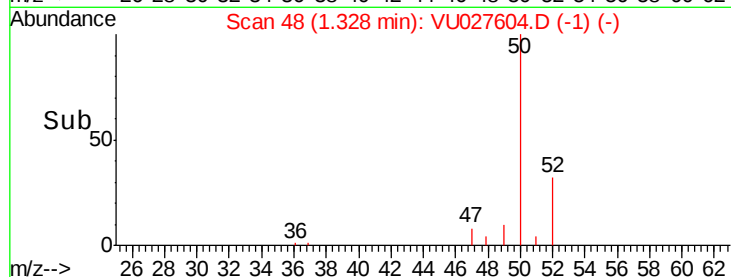
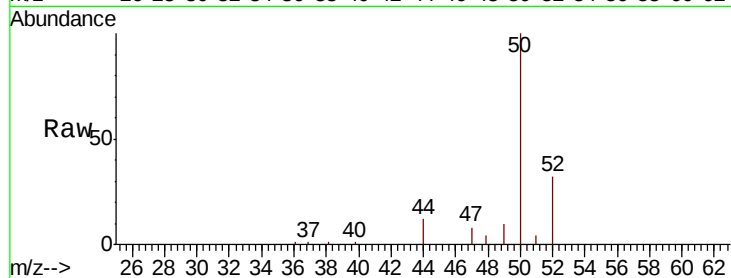
LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 21622

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 10.923 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027604.D

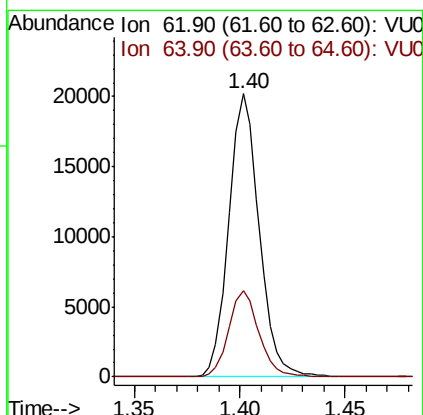
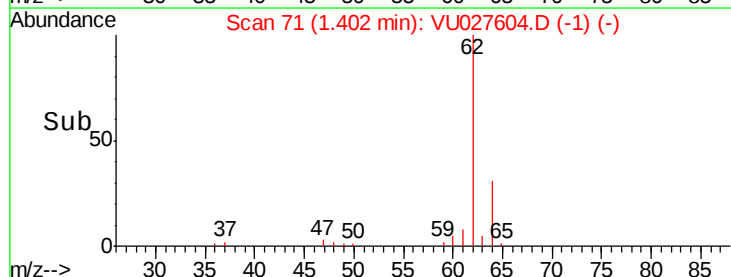
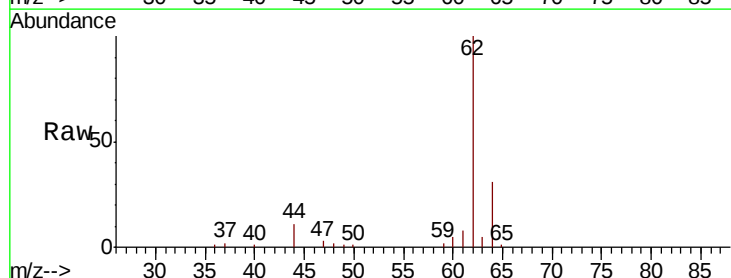
Acq: 11 Oct 2018 17:17

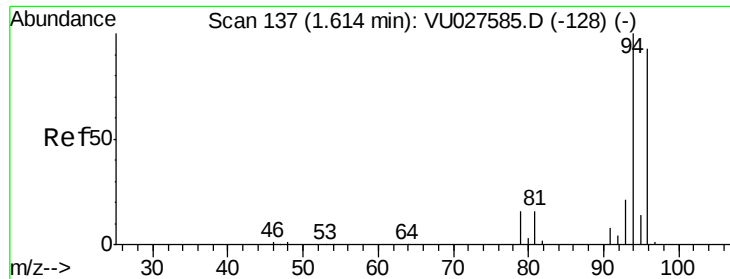
Tgt Ion: 62 Resp: 20129

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 11.723 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

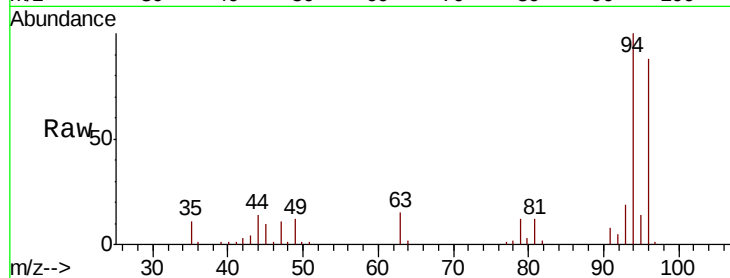
LOQ-WATER-02-QT4-2018

Tgt Ion: 94 Resp: 11728

Ion Ratio Lower Upper

94 100

96 88.0 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

15000

10000

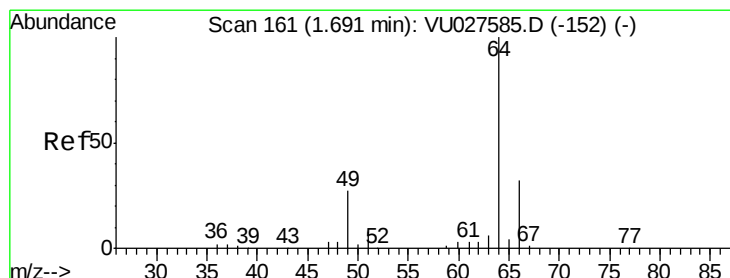
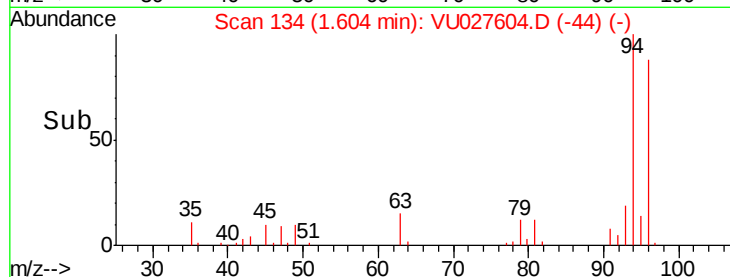
5000

0

Time-->

1.60

1.65



#6

Chloroethane

Concen: 10.553 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU027604.D

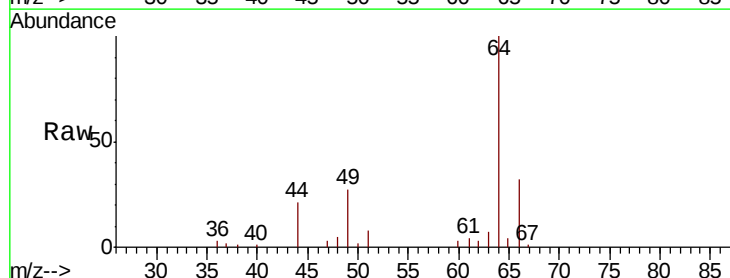
Acq: 11 Oct 2018 17:17

Tgt Ion: 64 Resp: 12563

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

10000

8000

6000

4000

2000

0

Time-->

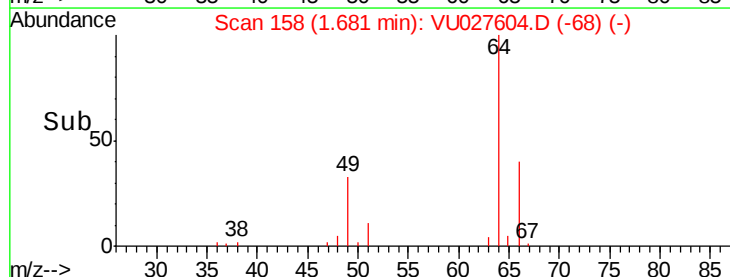
1.60

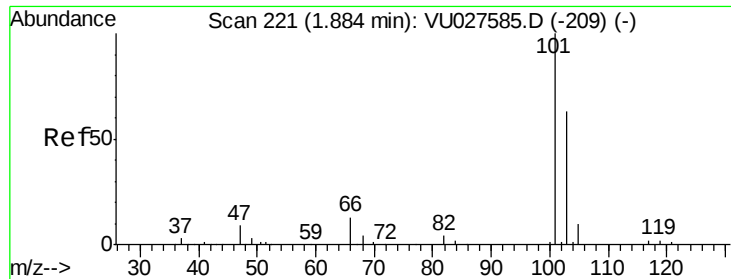
1.65

1.70

1.75

1.80



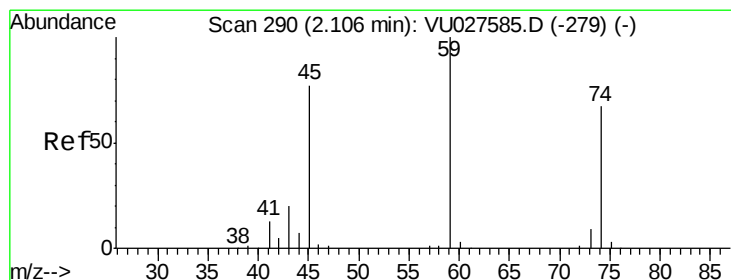
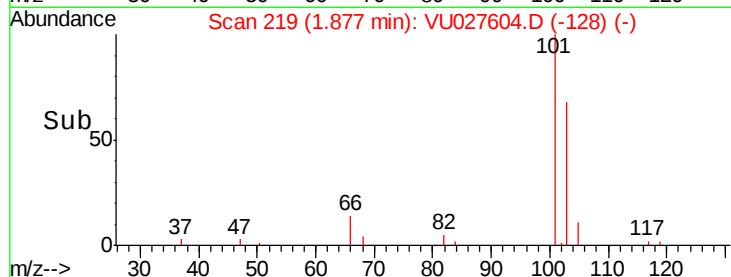
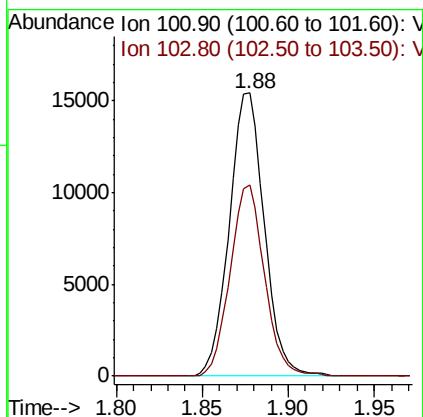
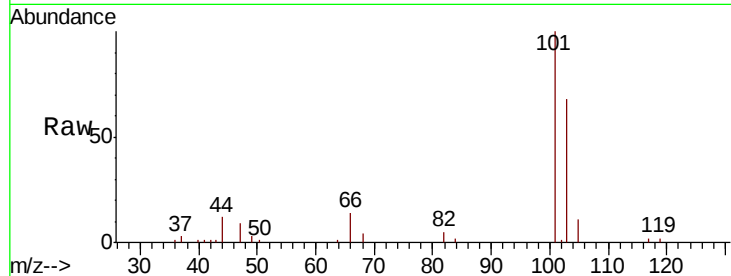


#7

Trichlorofluoromethane
 Concen: 10.668 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

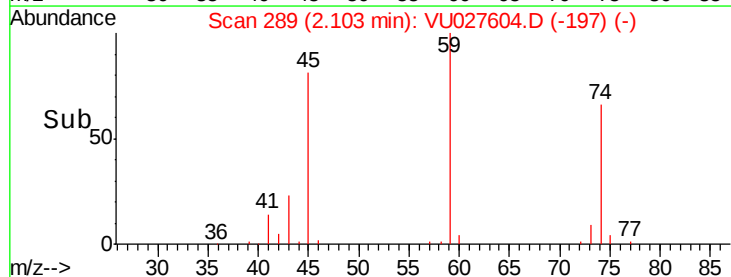
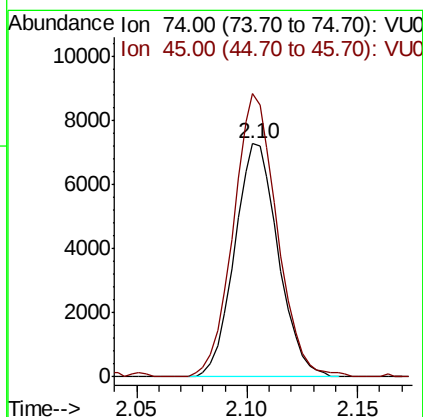
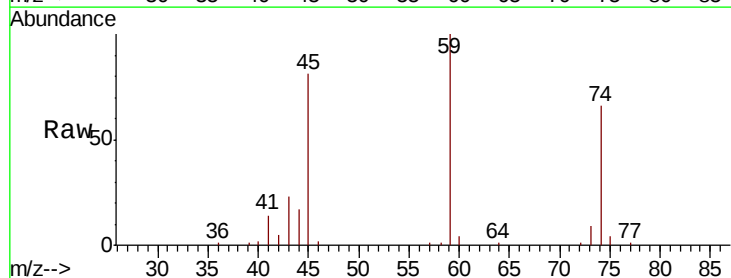
Tgt Ion:101 Resp: 21964
 Ion Ratio Lower Upper
 101 100
 103 67.5 52.6 78.8

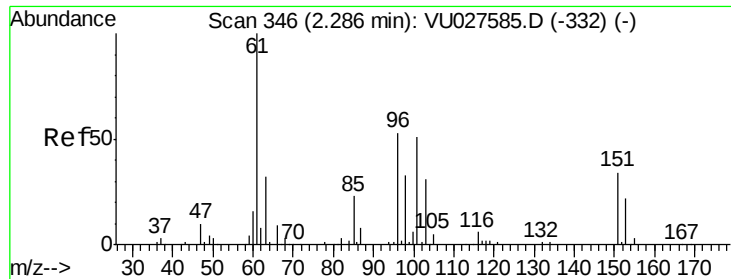


#8

Diethyl Ether
 Concen: 10.767 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 74 Resp: 10000
 Ion Ratio Lower Upper
 74 100
 45 121.6 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.163 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

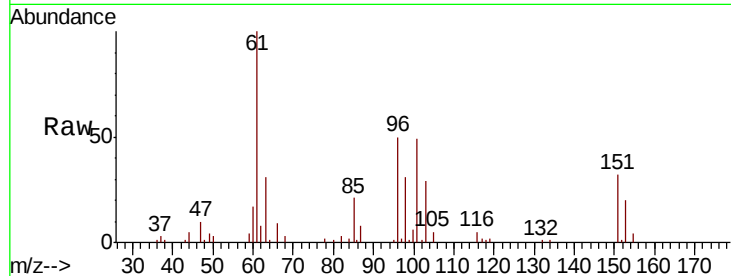
Tgt Ion:101 Resp: 13439

Ion Ratio Lower Upper

101 100

85 41.9 37.5 56.3

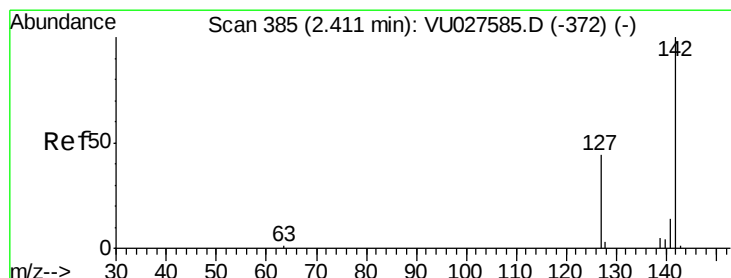
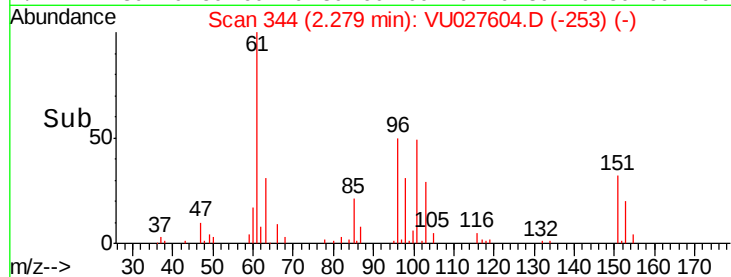
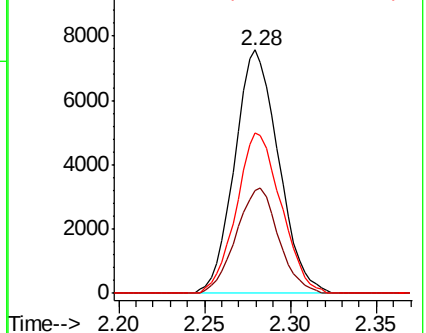
151 66.7 55.6 83.4



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: 9.569 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

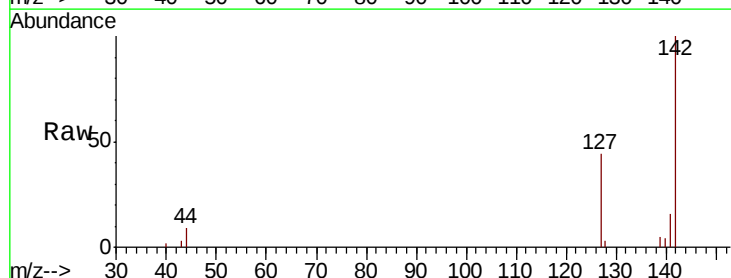
Tgt Ion:142 Resp: 9365

Ion Ratio Lower Upper

142 100

127 45.1 36.3 54.5

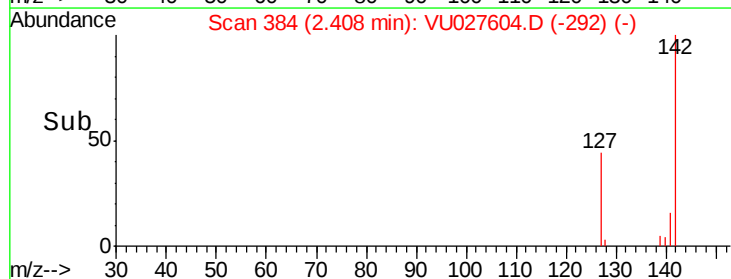
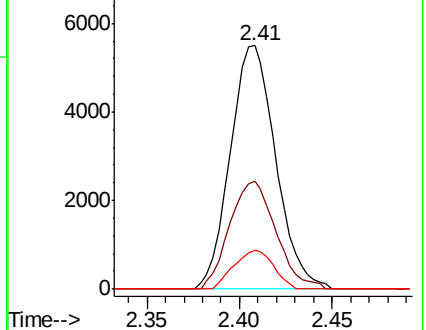
141 13.9 11.6 17.4

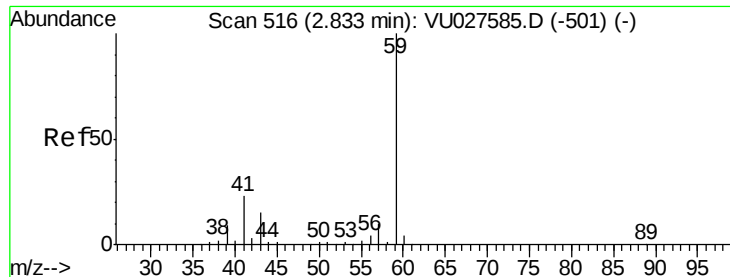


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

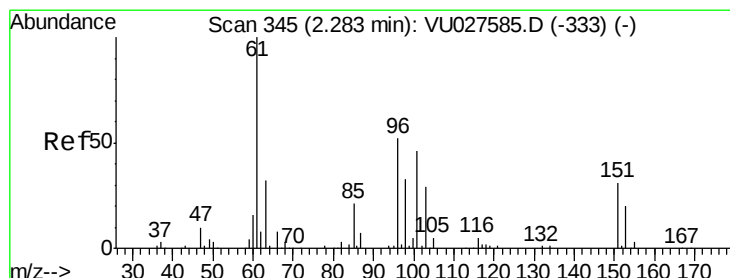
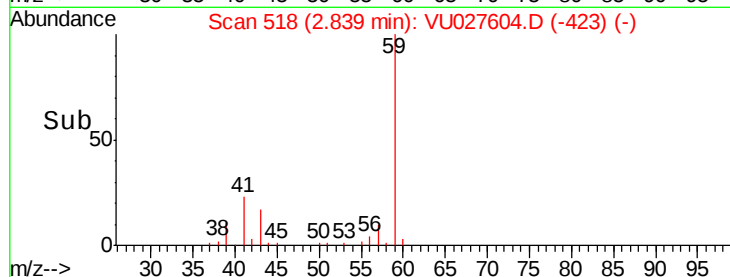
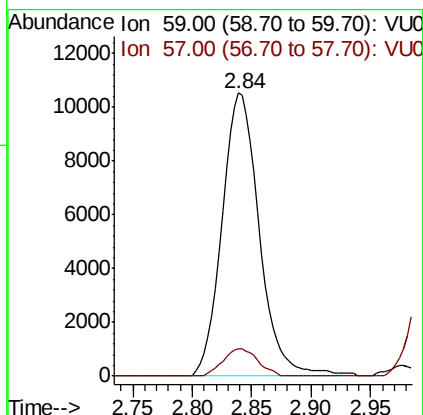
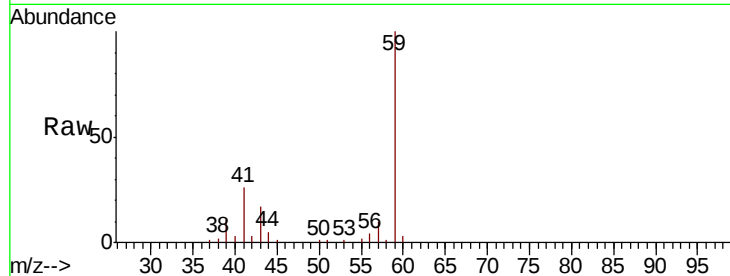




#11
Tert butyl alcohol
Concen: 52.526 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

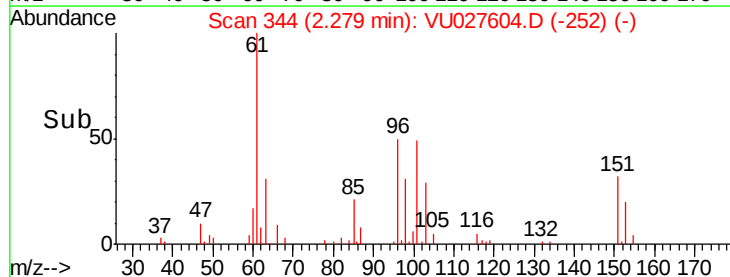
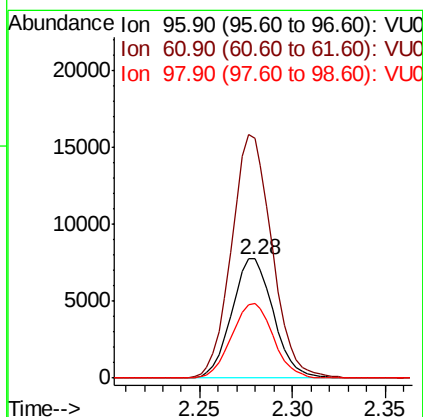
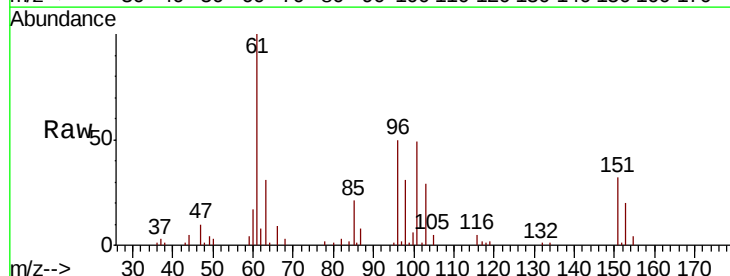
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

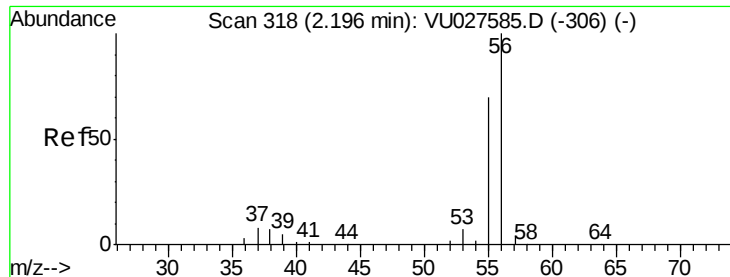
Tgt Ion: 59 Resp: 22804
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6



#12
1,1-Dichloroethene
Concen: 10.221 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 96 Resp: 12070
Ion Ratio Lower Upper
96 100
61 200.3 153.0 229.6
98 62.9 49.3 73.9





#13

Acrolein

Concen: 51.257 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

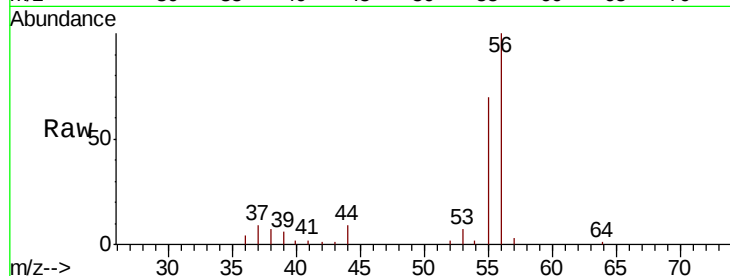
LOQ-WATER-02-QT4-2018

Tgt Ion: 56 Resp: 17654

Ion Ratio Lower Upper

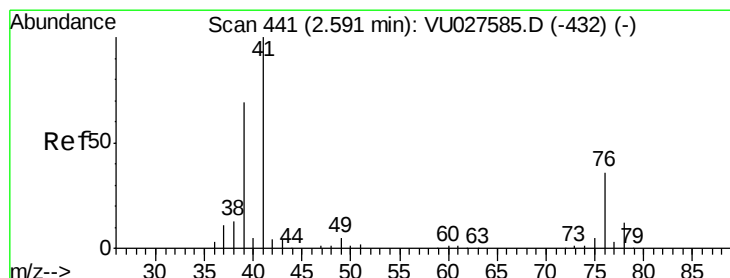
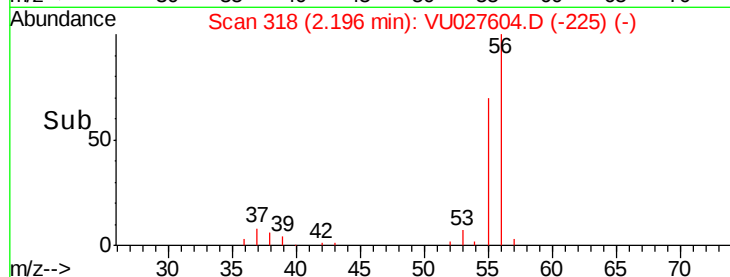
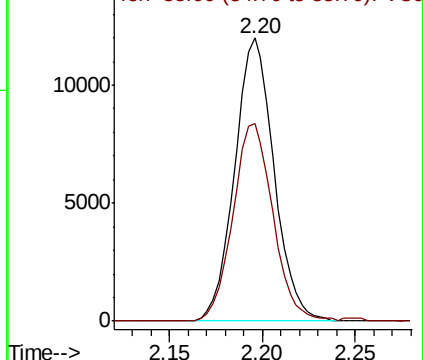
56 100

55 71.1 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: 11.422 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

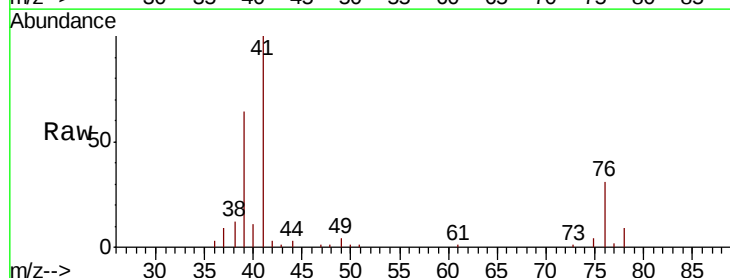
Tgt Ion: 41 Resp: 32721

Ion Ratio Lower Upper

41 100

39 57.2 51.8 77.8

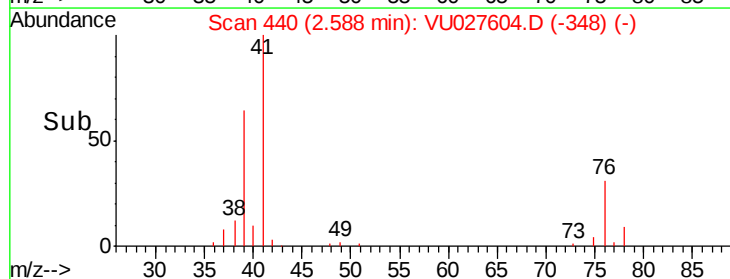
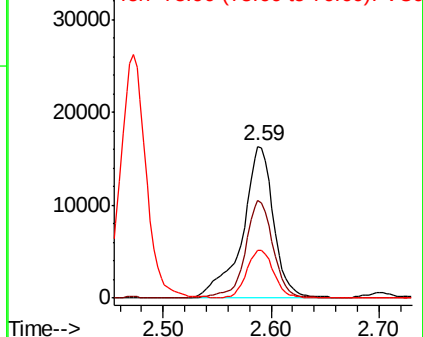
76 27.2 25.9 38.9

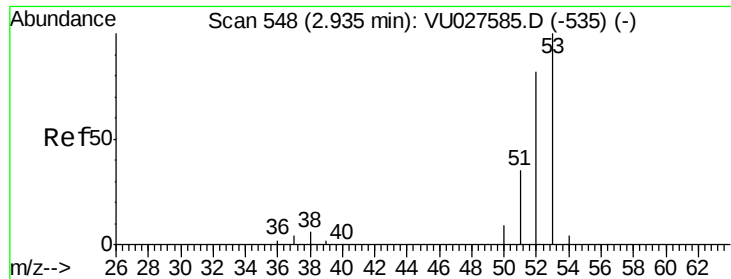


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 52.581 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

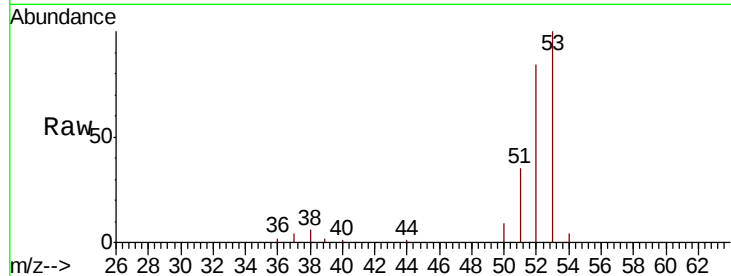
Tgt Ion: 53 Resp: 54267

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

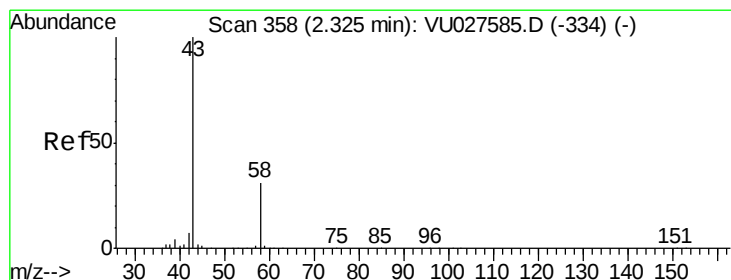
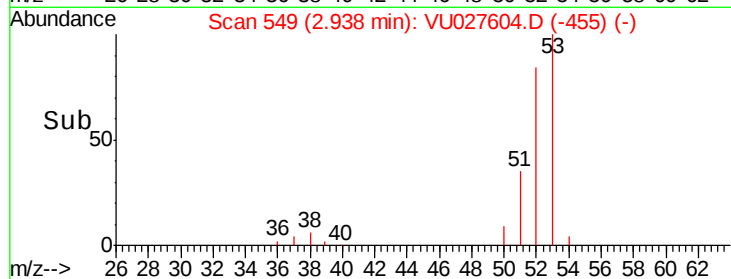
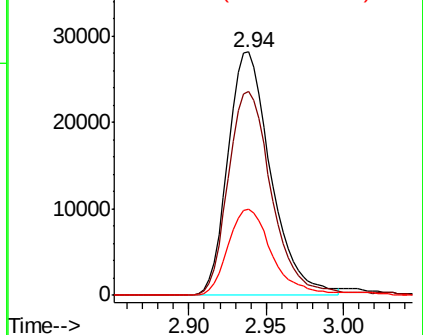
51 36.5 27.6 41.4



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: 49.057 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027604.D

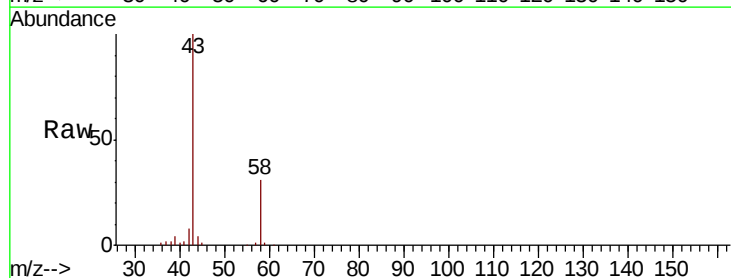
Acq: 11 Oct 2018 17:17

Tgt Ion: 43 Resp: 53271

Ion Ratio Lower Upper

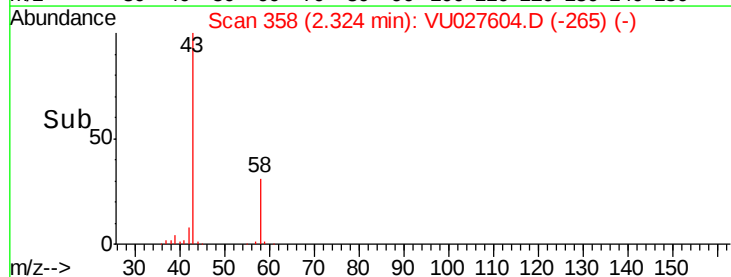
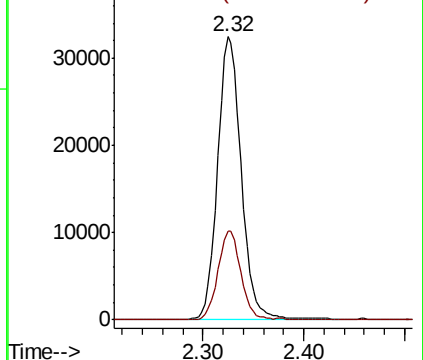
43 100

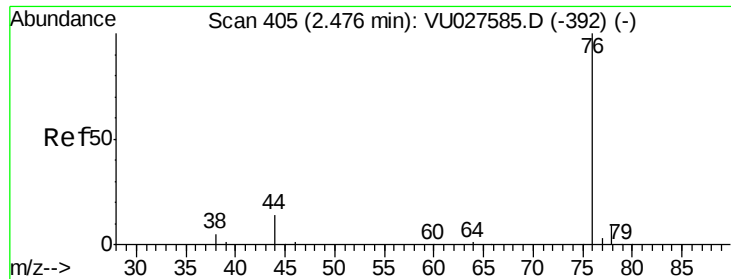
58 31.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

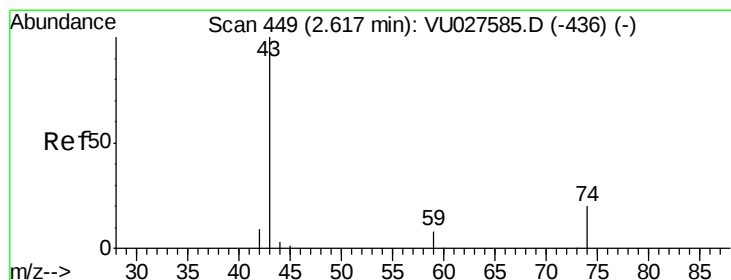
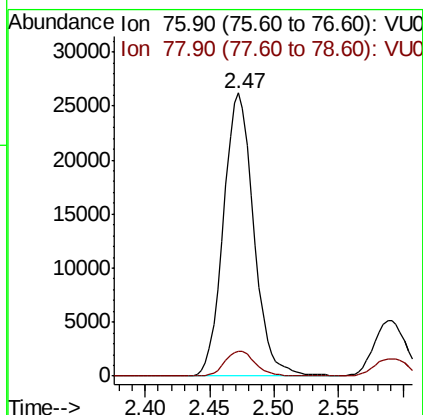
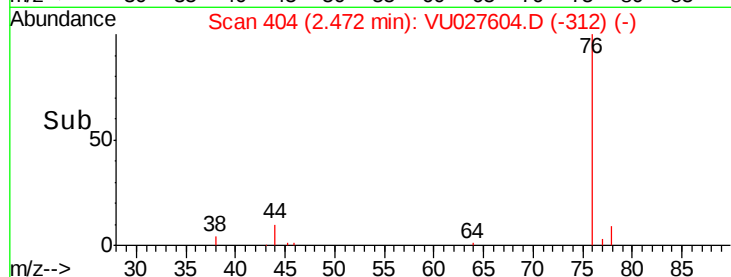
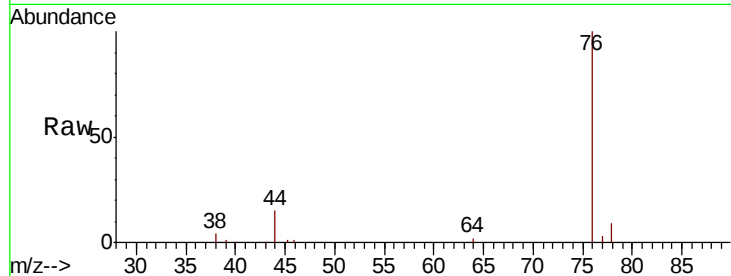




#17
Carbon Disulfide
Concen: 10.561 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

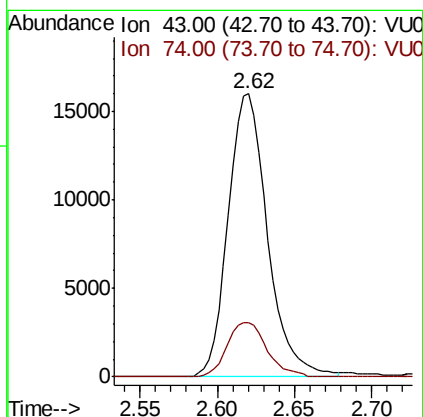
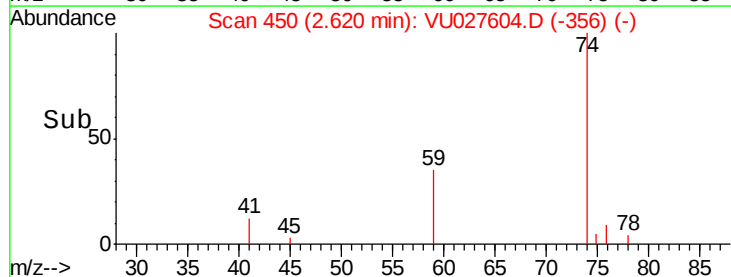
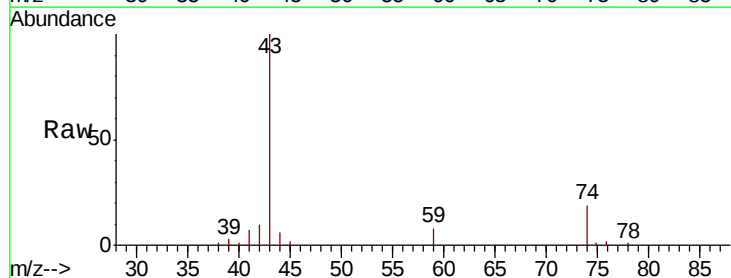
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

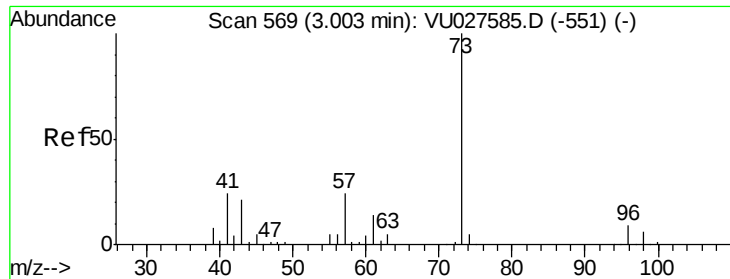
Tgt Ion: 76 Resp: 42755
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 10.416 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 43 Resp: 28283
Ion Ratio Lower Upper
43 100
74 19.3 16.5 24.7

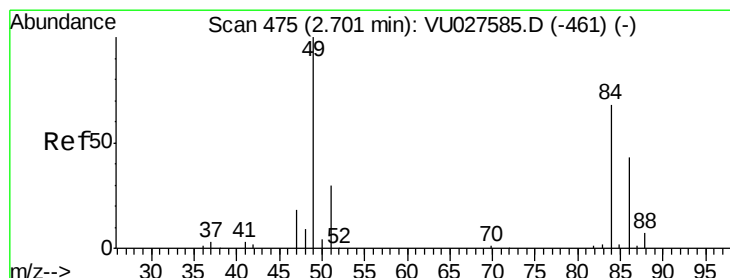
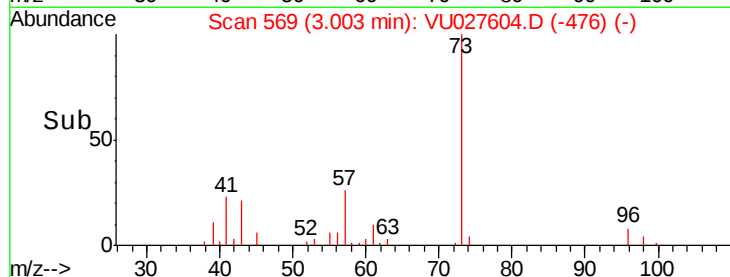
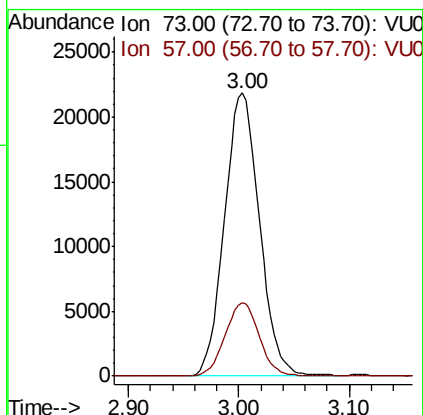
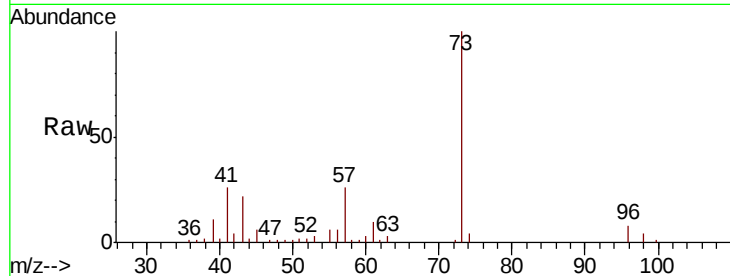




#19
Methyl tert-butyl Ether
Concen: 10.581 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

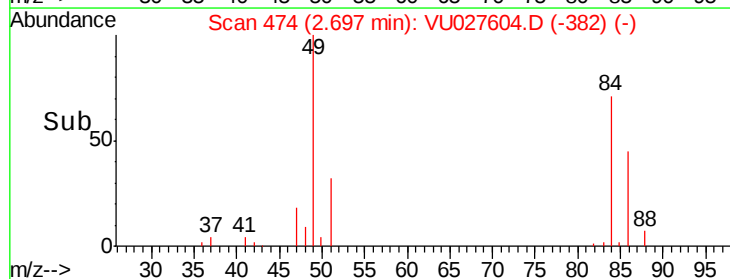
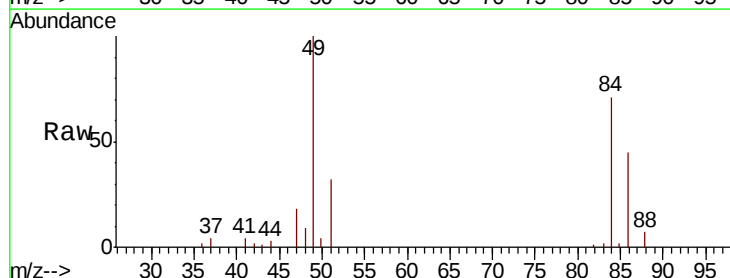
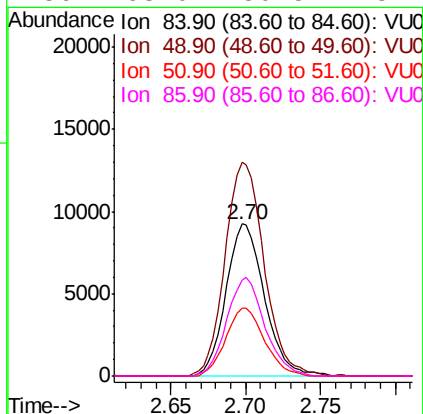
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

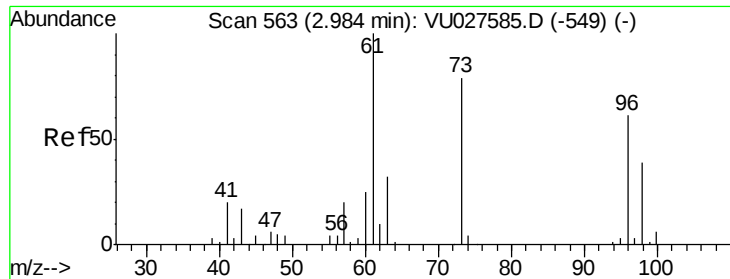
Tgt Ion: 73 Resp: 48086
Ion Ratio Lower Upper
73 100
57 25.8 20.0 30.0



#20
Methylene Chloride
Concen: 10.763 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 84 Resp: 16543
Ion Ratio Lower Upper
84 100
49 140.7 120.5 180.7
51 44.7 35.1 52.7
86 63.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 11.010 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

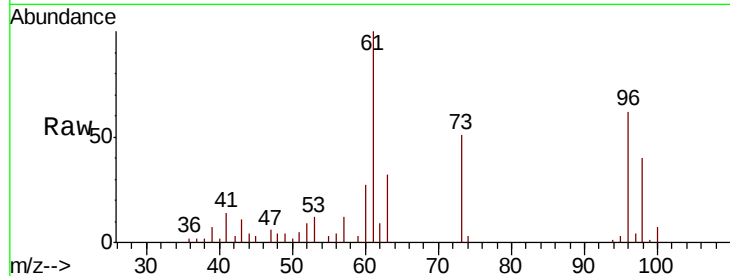
Tgt Ion: 96 Resp: 14371

Ion Ratio Lower Upper

96 100

61 160.3 129.4 194.2

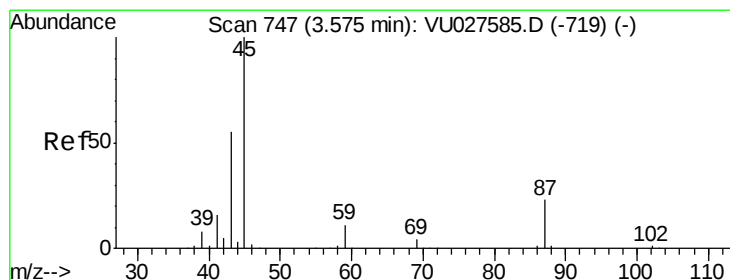
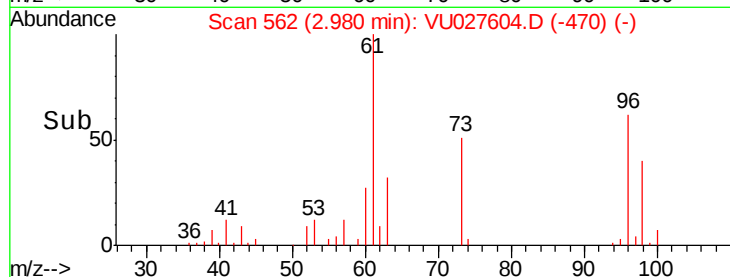
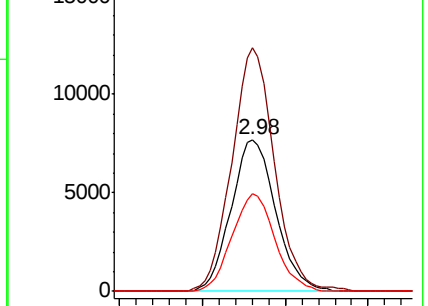
98 64.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU027585.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU027585.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU027585.D (-549) (-)



#22

Diisopropyl ether

Concen: 10.957 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Tgt Ion: 45 Resp: 60122

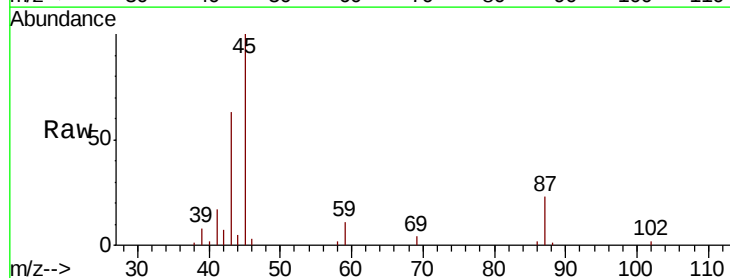
Ion Ratio Lower Upper

45 100

43 61.1 43.4 65.2

87 22.5 17.5 26.3

59 11.0 8.6 13.0

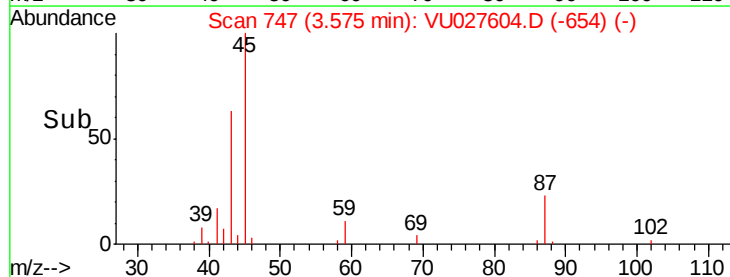
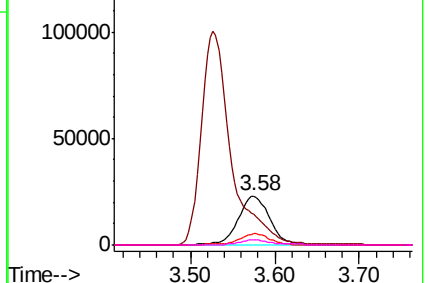


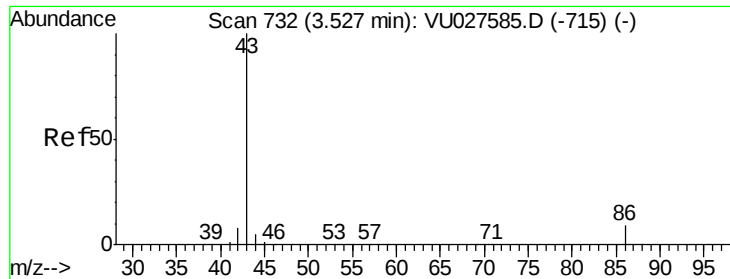
Abundance Ion 45.00 (44.70 to 45.70): VU027585.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027585.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027585.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027585.D (-719) (-)





#23

Vinyl Acetate

Concen: 53.120 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

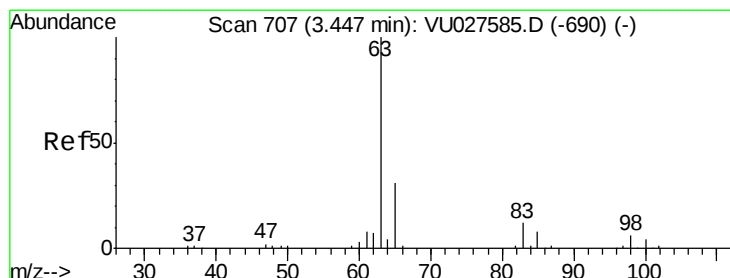
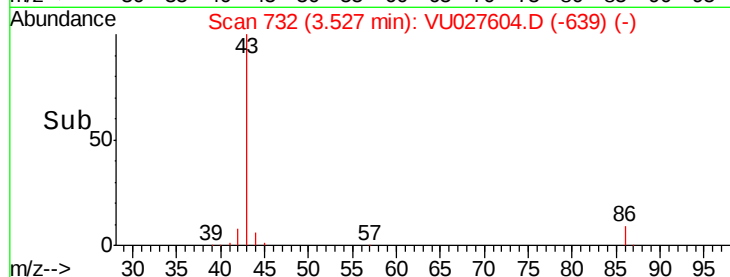
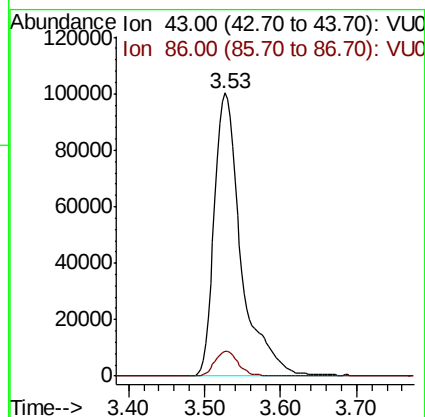
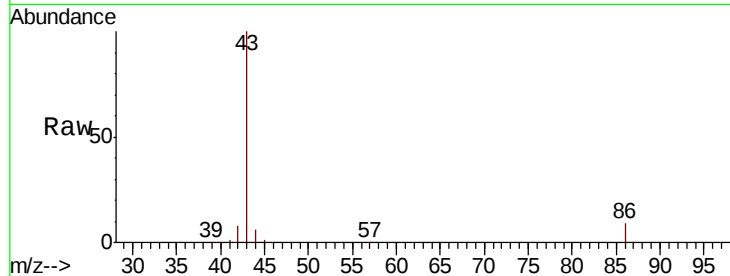
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 246536

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.4



#24

1,1-Dichloroethane

Concen: 10.602 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

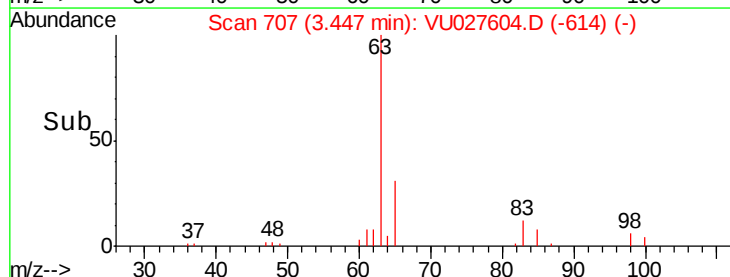
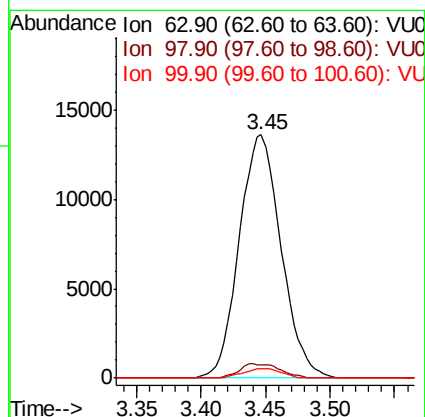
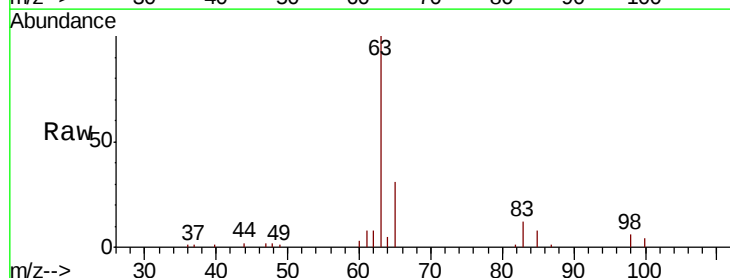
Tgt Ion: 63 Resp: 30799

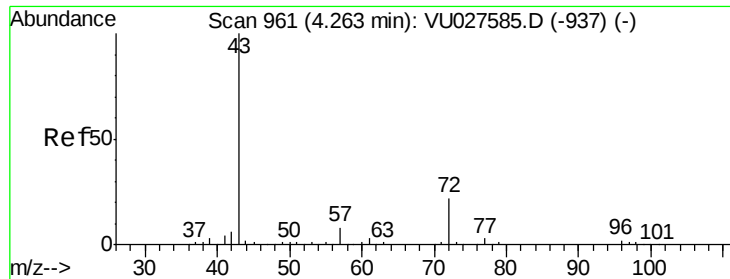
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 52.011 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

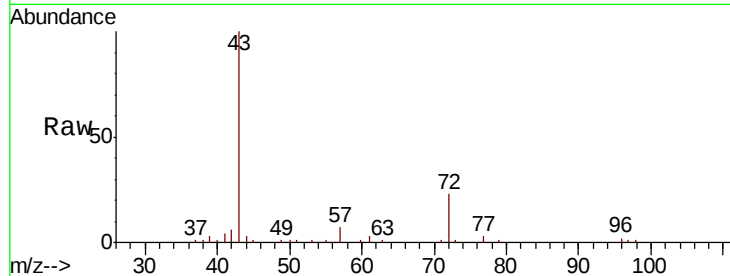
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 80033

Ion Ratio Lower Upper

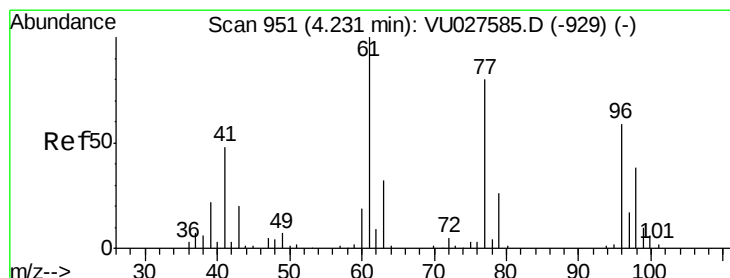
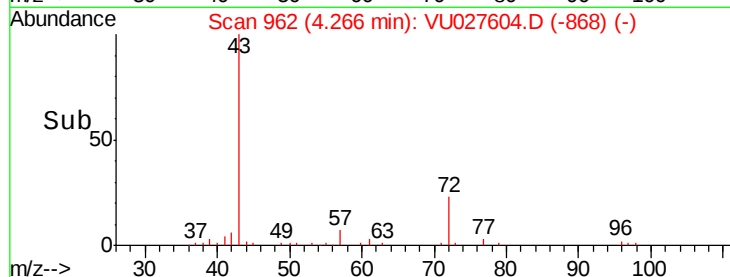
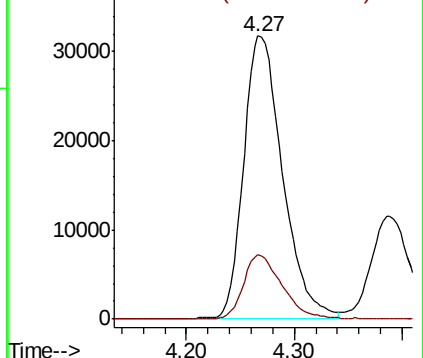
43 100

72 22.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 9.596 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027604.D

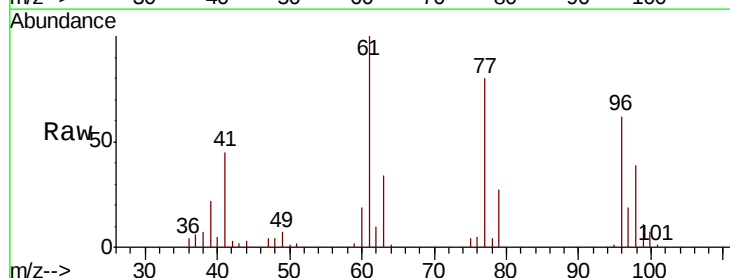
Acq: 11 Oct 2018 17:17

Tgt Ion: 77 Resp: 22342

Ion Ratio Lower Upper

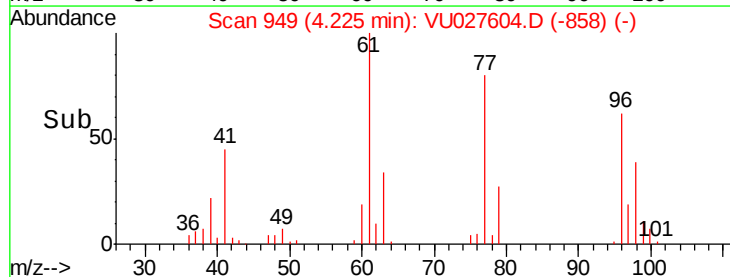
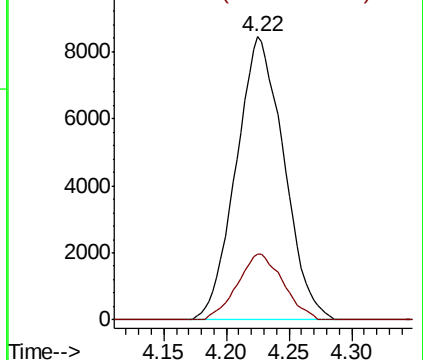
77 100

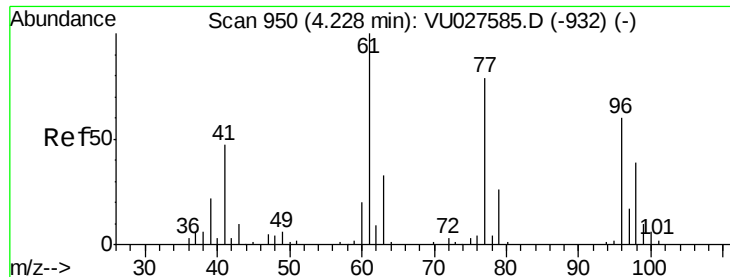
97 22.2 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



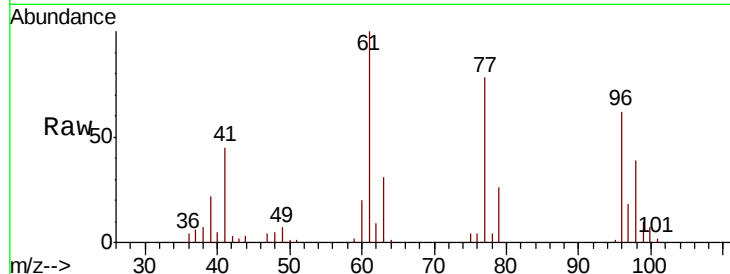


#27

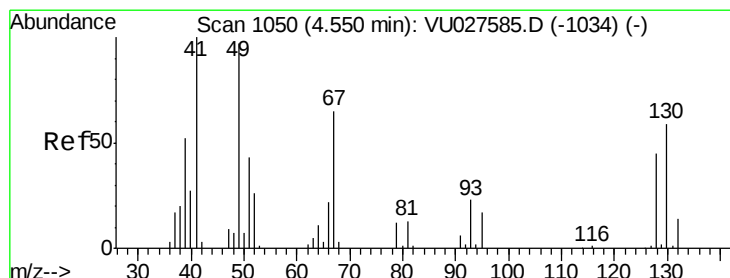
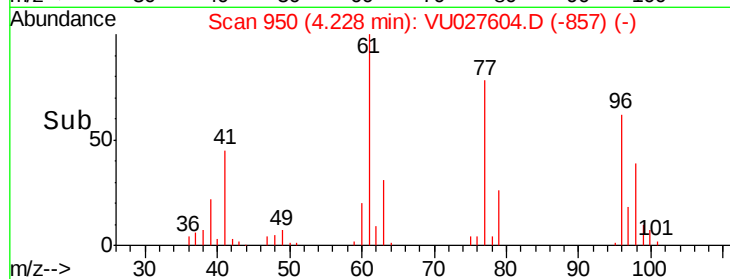
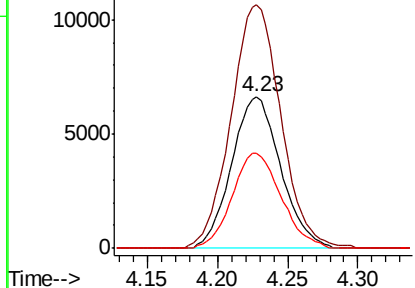
cis-1,2-Dichloroethene
Concen: 11.111 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

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

Tgt Ion: 96 Resp: 16081
Ion Ratio Lower Upper
96 100
61 163.8 0.0 343.8
98 62.9 0.0 129.0



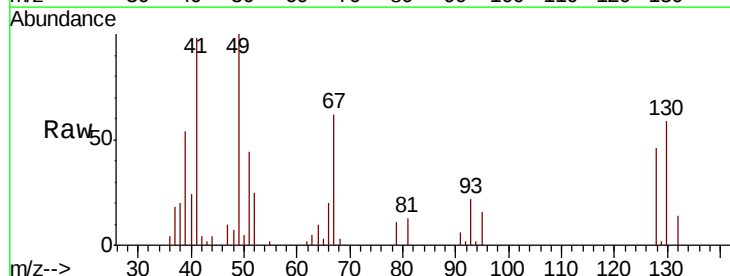
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



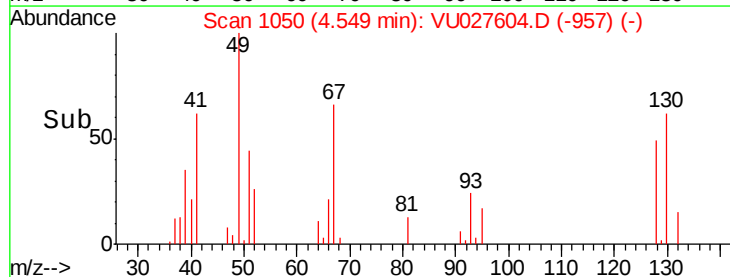
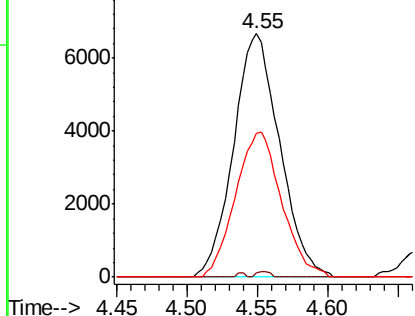
#28

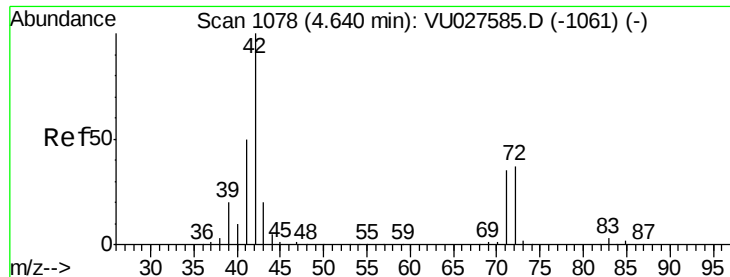
Bromochloromethane
Concen: 10.651 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 49 Resp: 15266
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.0
130 59.2 46.1 69.1



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

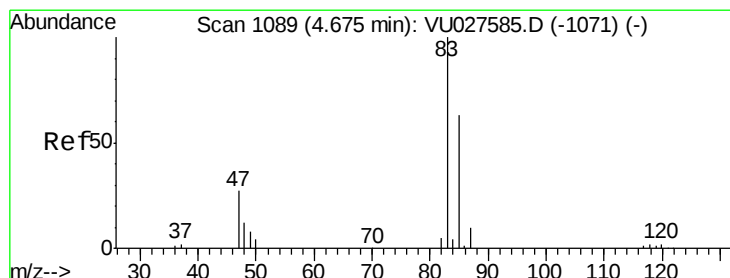
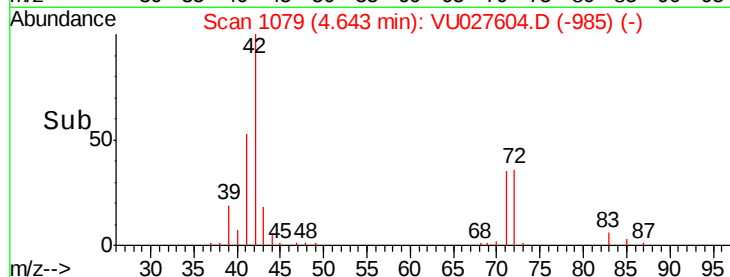
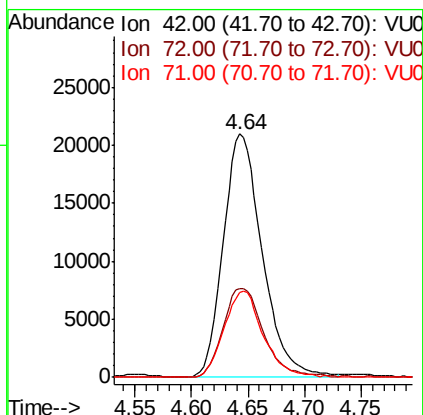
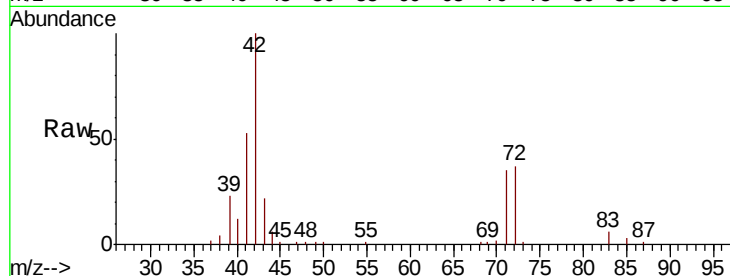




#29
Tetrahydrofuran
Concen: 52.244 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

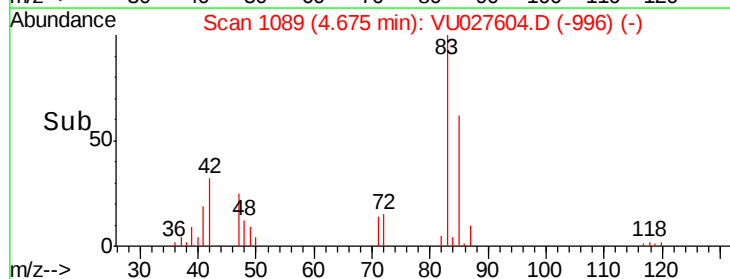
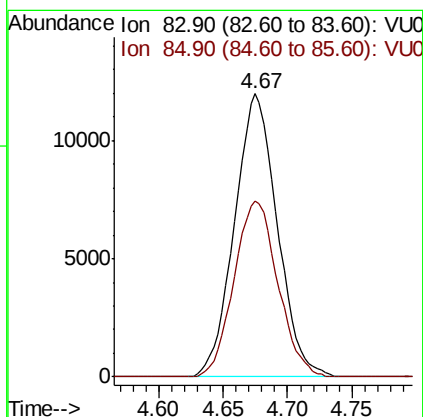
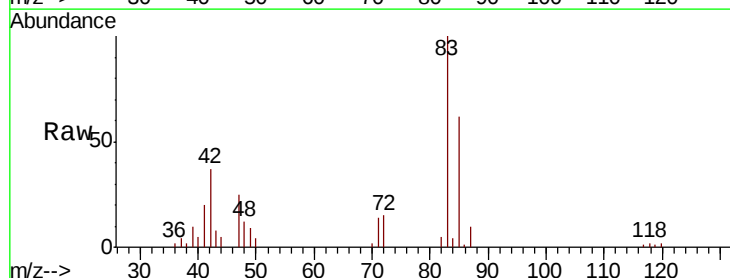
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

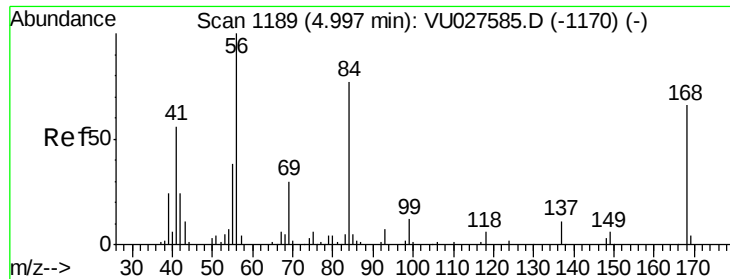
Tgt Ion: 42 Resp: 50416
Ion Ratio Lower Upper
42 100
72 38.2 30.1 45.1
71 35.4 27.7 41.5



#30
Chloroform
Concen: 10.698 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 83 Resp: 27631
Ion Ratio Lower Upper
83 100
85 62.0 51.8 77.6

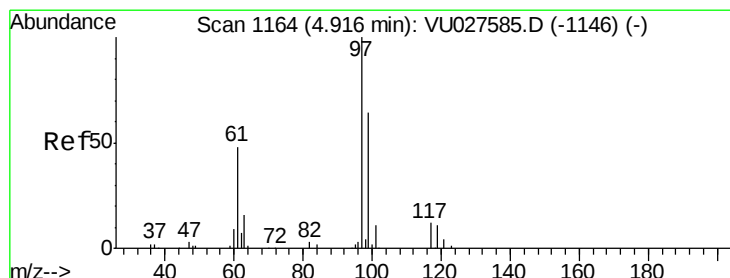
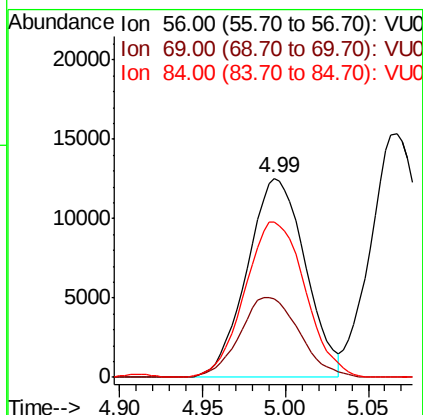
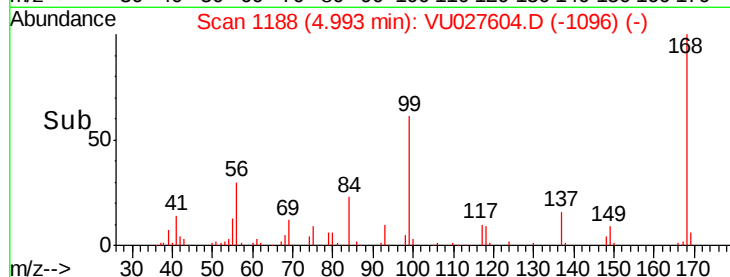
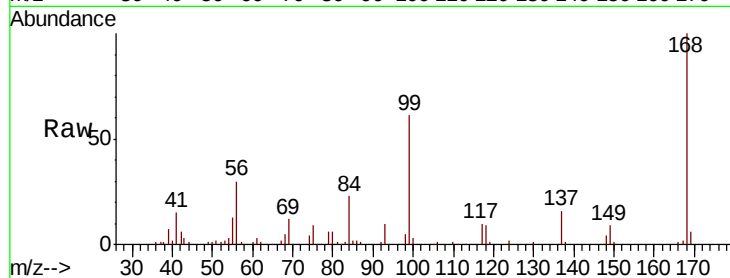




#31
Cyclohexane
Concen: 10.096 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

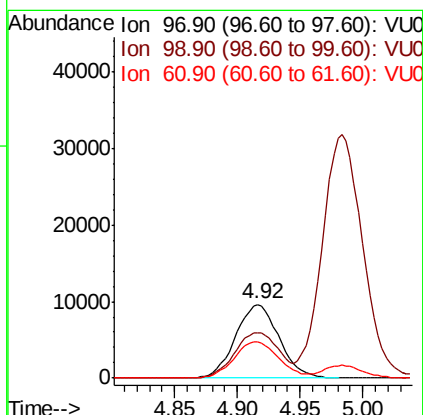
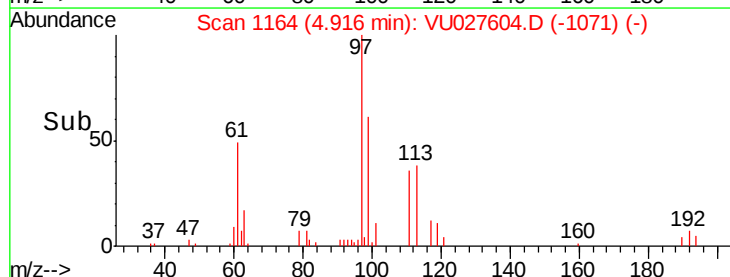
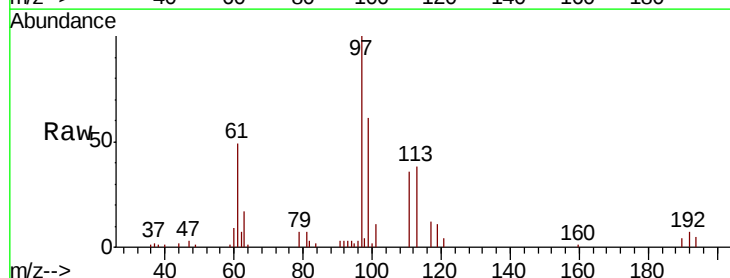
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

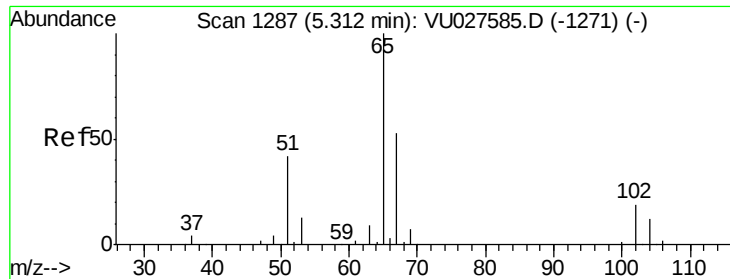
Tgt Ion: 56 Resp: 30632
Ion Ratio Lower Upper
56 100
69 39.3 24.1 36.1#
84 77.8 59.1 88.7



#32
1,1,1-Trichloroethane
Concen: 10.663 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 97 Resp: 23231
Ion Ratio Lower Upper
97 100
99 62.9 51.1 76.7
61 50.4 39.6 59.4

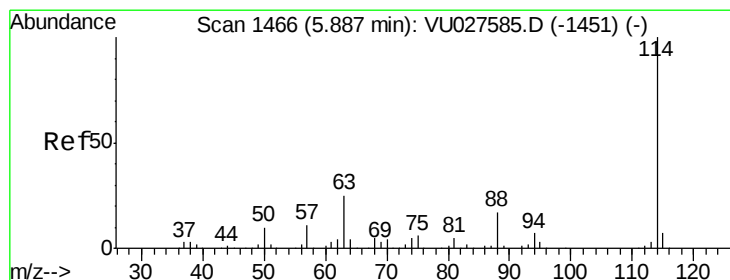
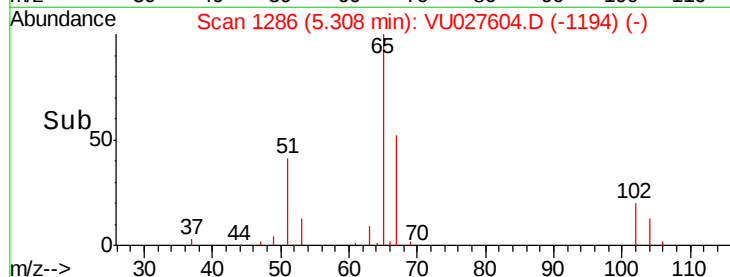
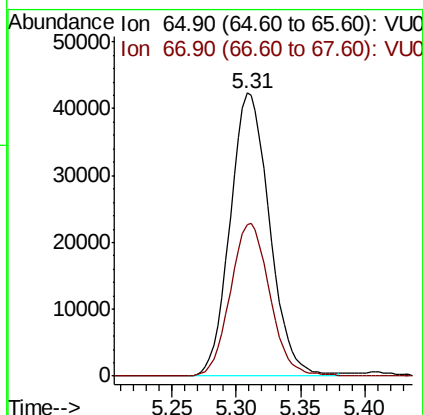
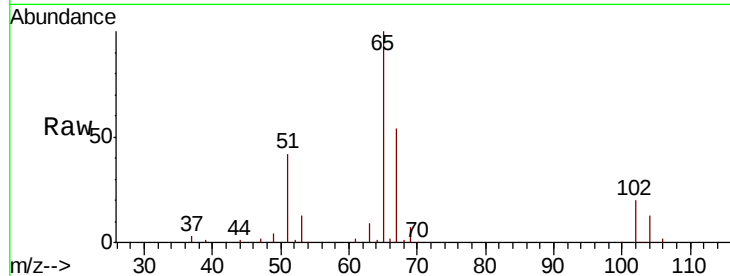




#33
 1,2-Dichloroethane-d4
 Concen: 50.512 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

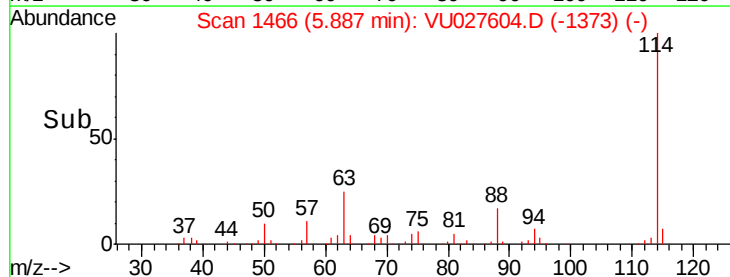
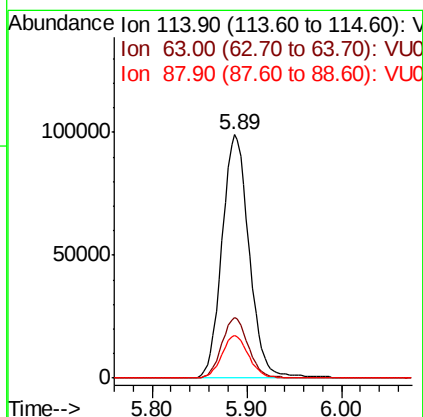
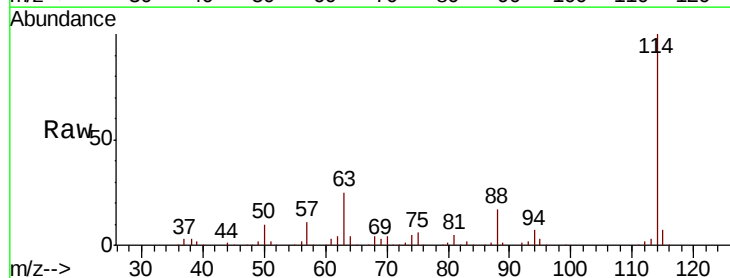
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

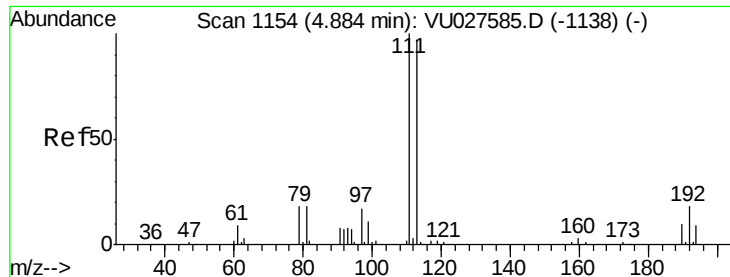
Tgt Ion: 65 Resp: 89974
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 114 Resp: 197951
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.2
 88 17.4 0.0 33.8

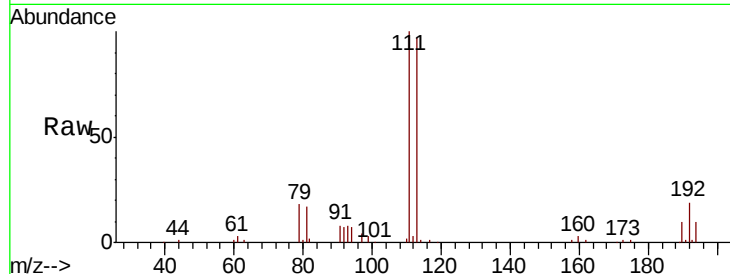




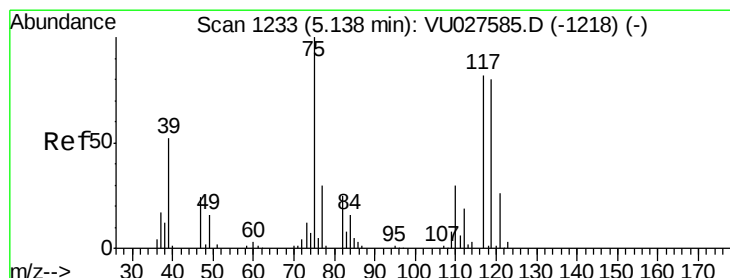
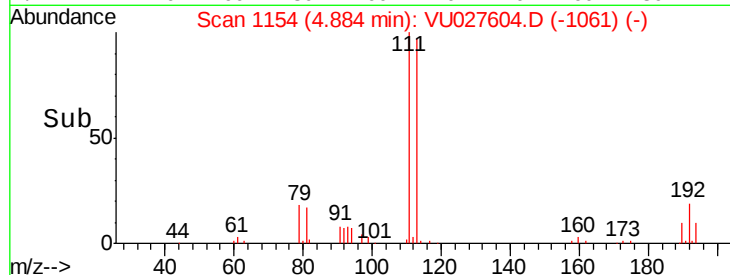
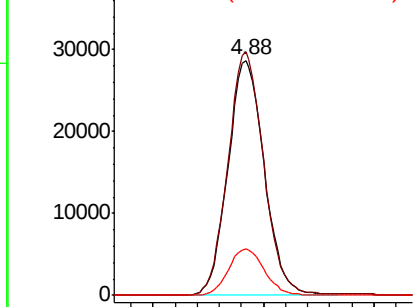
#35
 Dibromofluoromethane
 Concen: 50.045 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

Tgt Ion: 113 Resp: 65541
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.1 124.7
 192 19.5 15.4 23.0

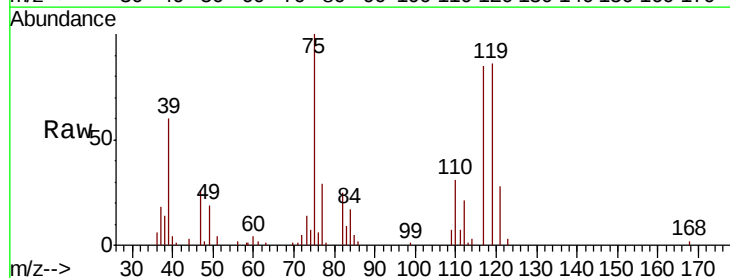


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

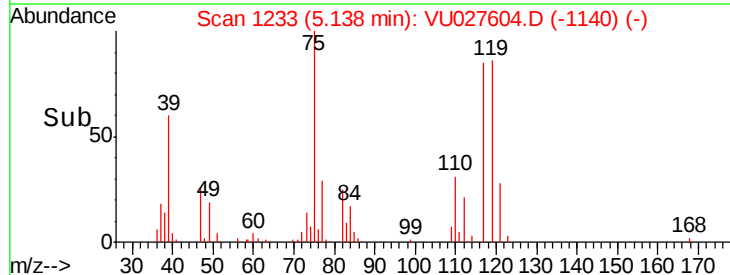
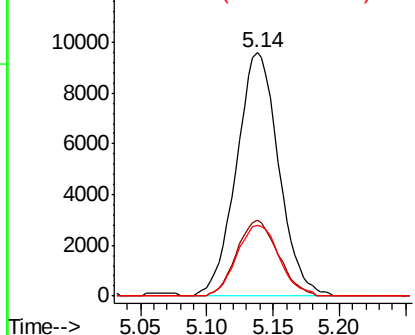


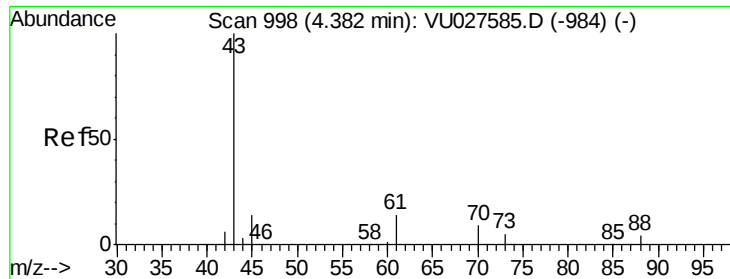
#36
 1,1-Dichloropropene
 Concen: 10.607 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 75 Resp: 21331
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.5 46.5
 77 29.2 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: 10.090 ug/l

RT: 4.39 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

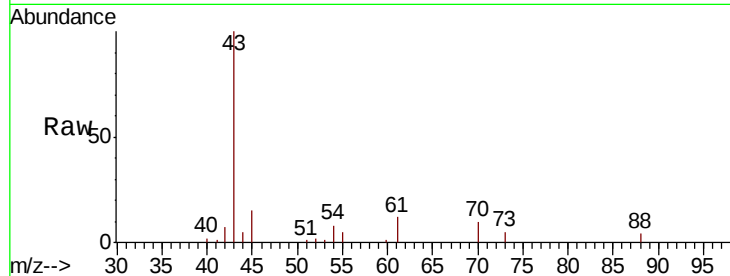
Tgt Ion: 43 Resp: 29163

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

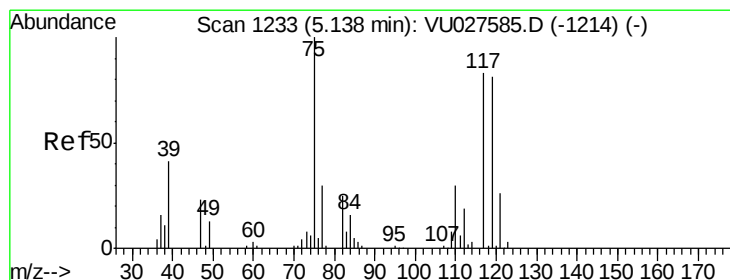
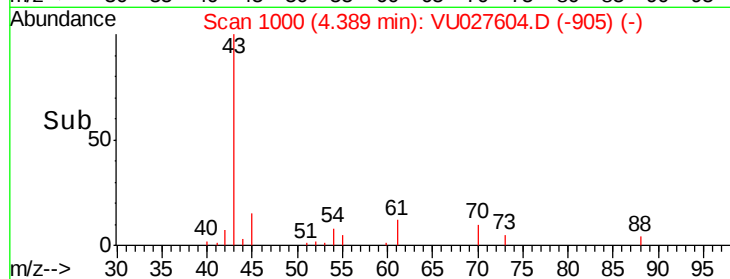
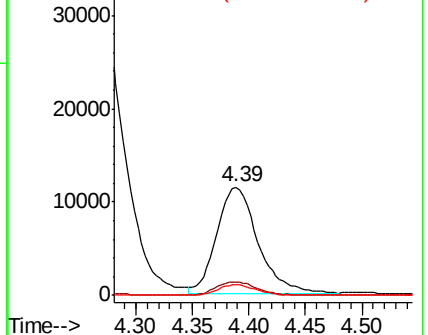
70 8.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VU027585.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU027585.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU027585.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 10.559 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

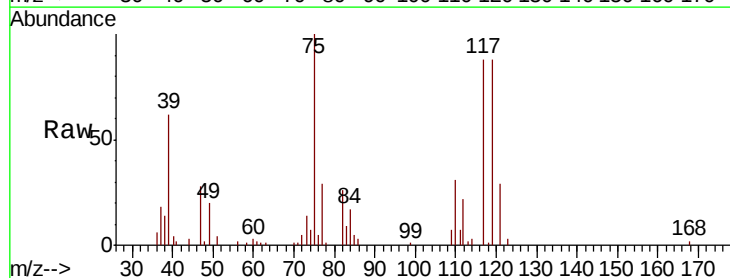
Tgt Ion: 117 Resp: 19575

Ion Ratio Lower Upper

117 100

119 100.4 74.5 111.7

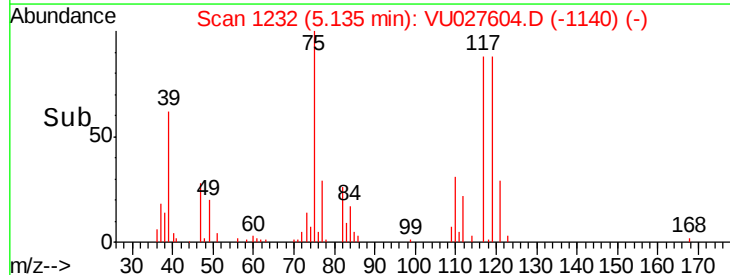
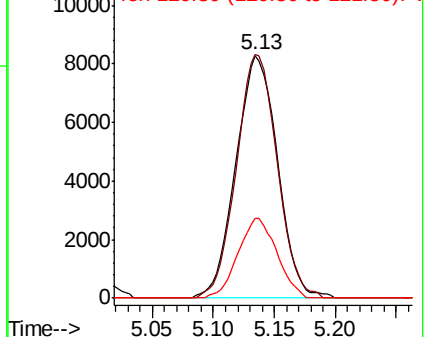
121 33.0 24.6 37.0

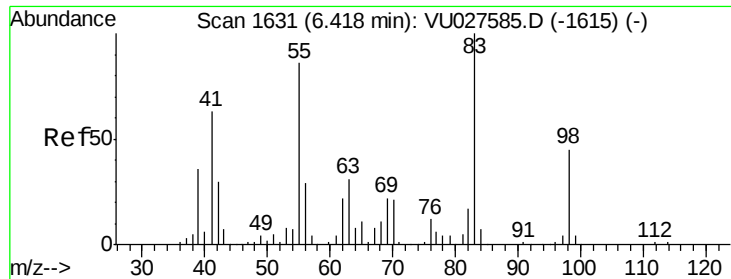


Abundance Ion 116.80 (116.50 to 117.50): VU027585.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027585.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027585.D (-1214) (-)

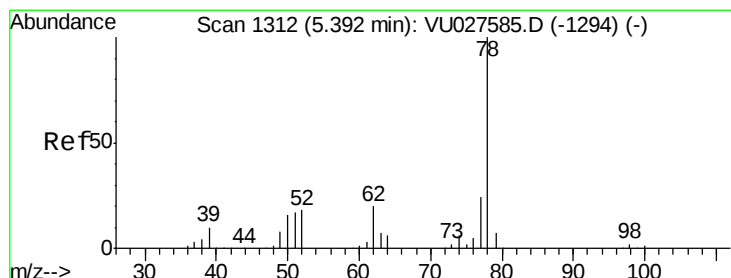
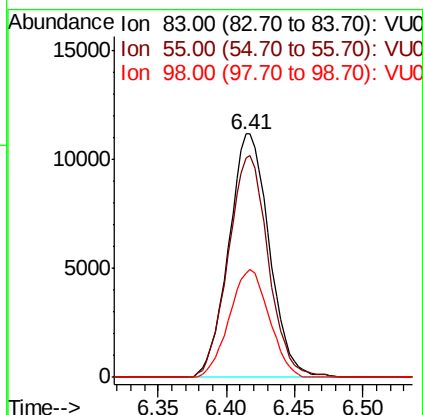
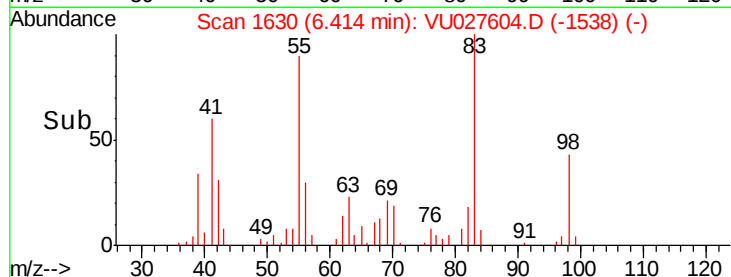
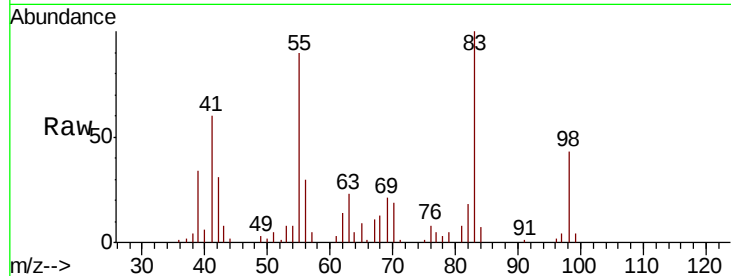




#39
Methylcyclohexane
Concen: 10.120 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

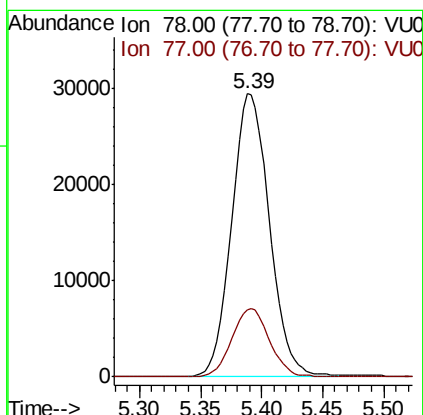
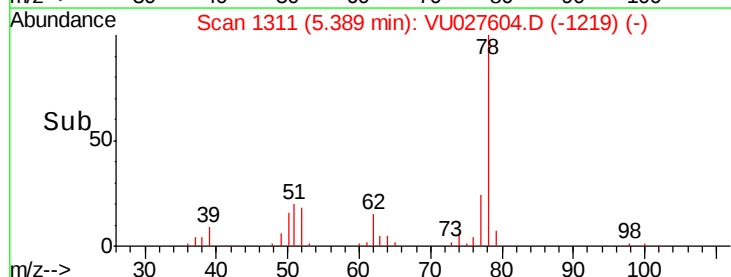
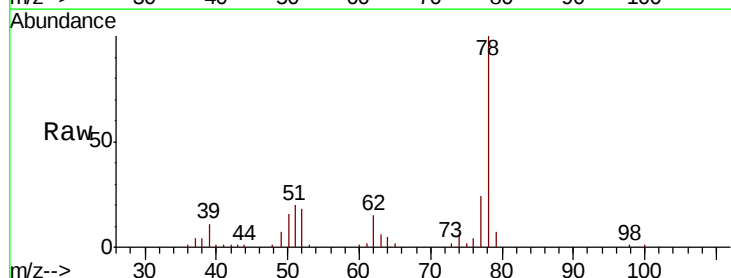
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

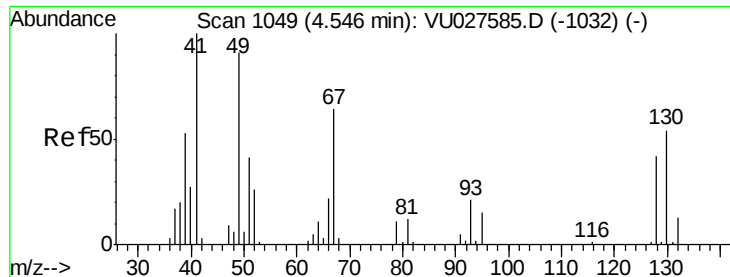
Tgt Ion: 83 Resp: 22955
Ion Ratio Lower Upper
83 100
55 89.9 71.1 106.7
98 43.0 36.3 54.5



#40
Benzene
Concen: 10.400 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 78 Resp: 63241
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9





#41

Methacrylonitrile

Concen: 10.275 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

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

Tgt Ion: 41 Resp: 15693

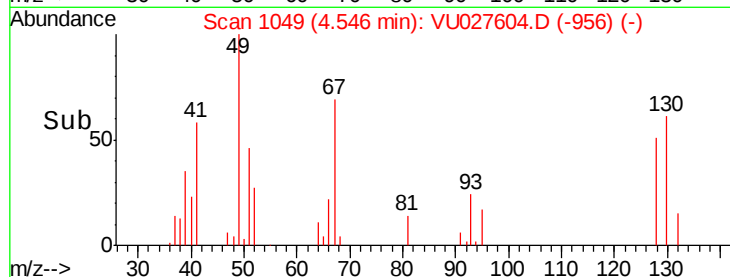
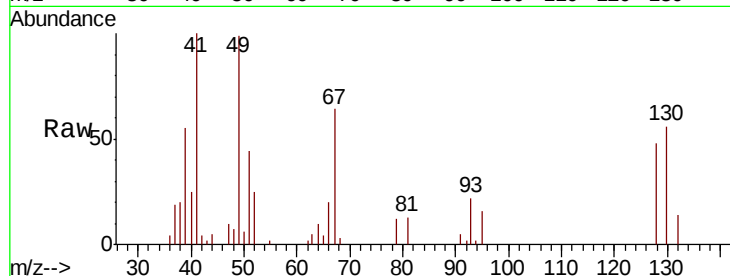
Ion Ratio Lower Upper

41 100

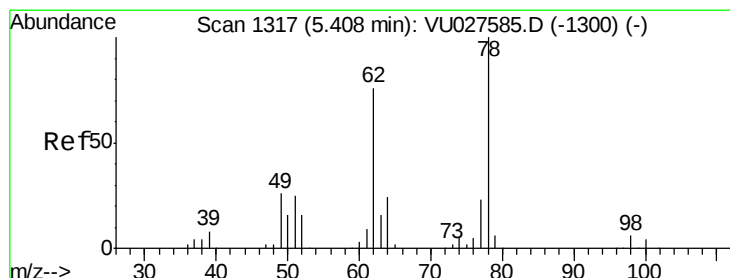
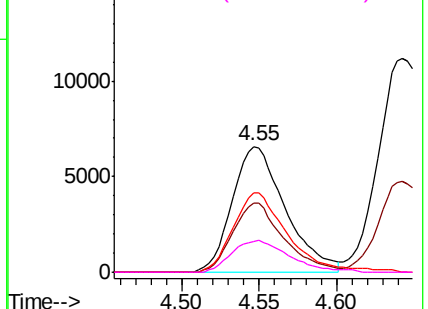
39 53.2 41.1 61.7

67 63.4 50.4 75.6

52 27.6 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: 10.556 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU027604.D

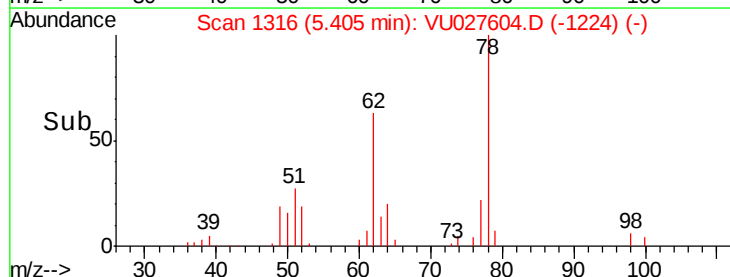
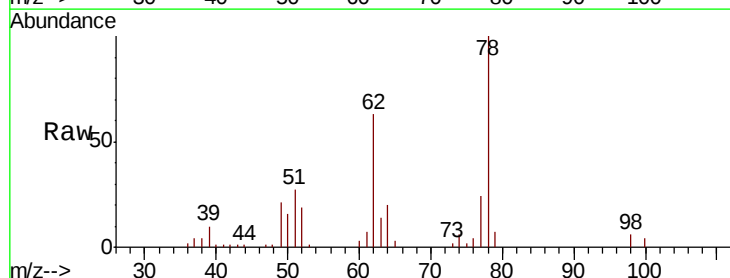
Acq: 11 Oct 2018 17:17

Tgt Ion: 62 Resp: 23726

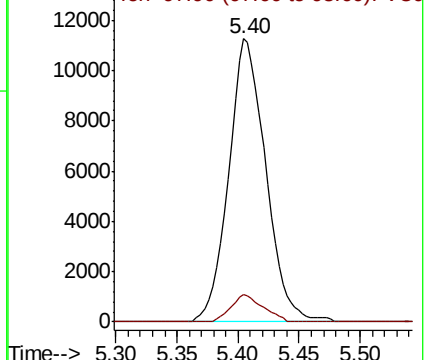
Ion Ratio Lower Upper

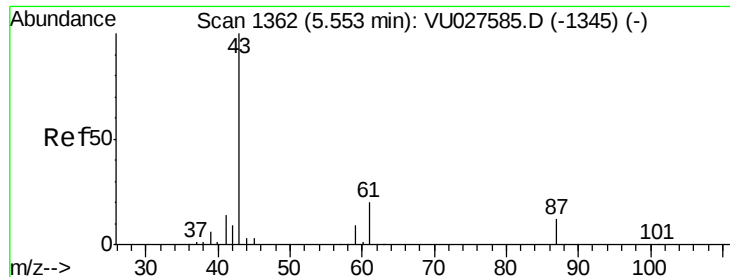
62 100

98 8.3 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: 10.557 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

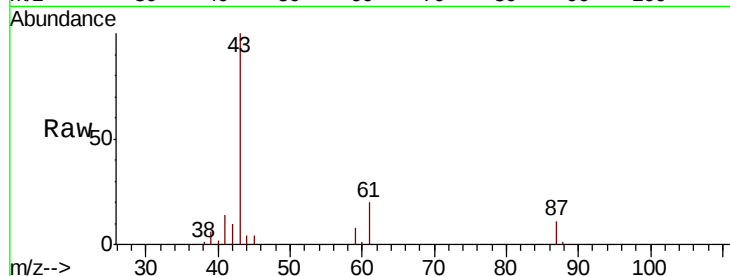
Tgt Ion: 43 Resp: 44076

Ion Ratio Lower Upper

43 100

61 19.1 15.3 22.9

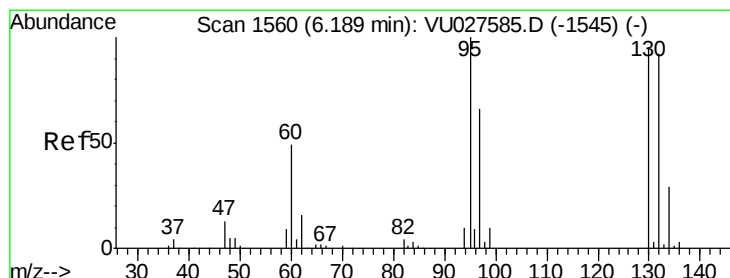
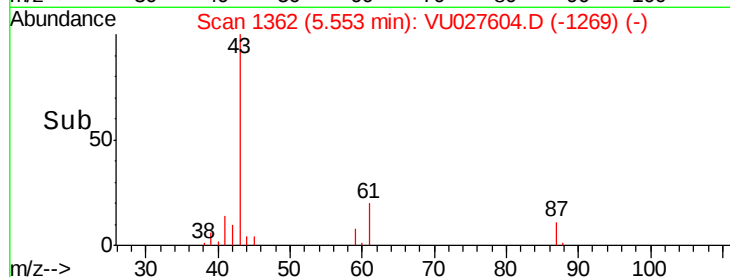
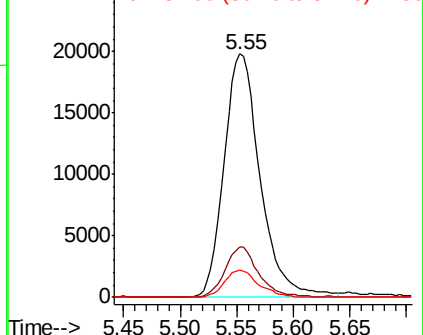
87 10.5 8.6 13.0



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: 10.579 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027604.D

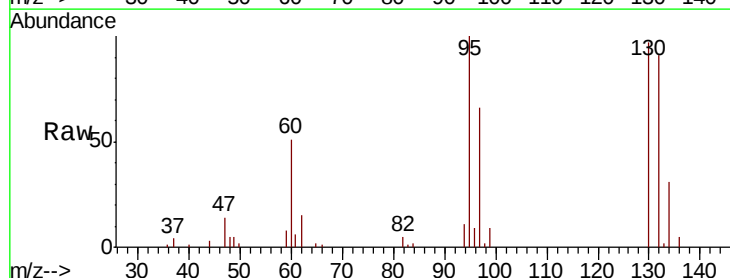
Acq: 11 Oct 2018 17:17

Tgt Ion: 130 Resp: 14197

Ion Ratio Lower Upper

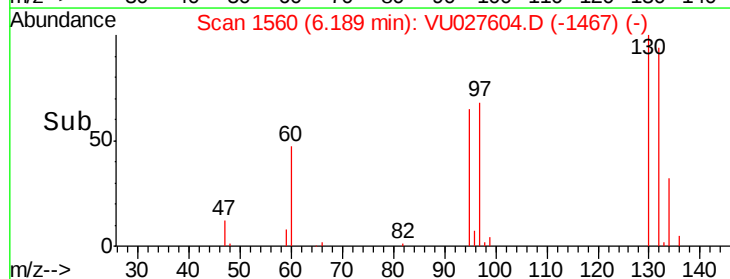
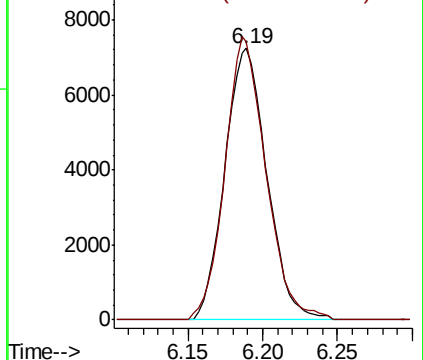
130 100

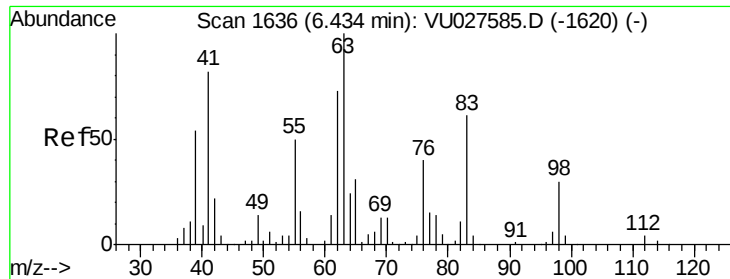
95 102.6 0.0 207.0



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: 10.811 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

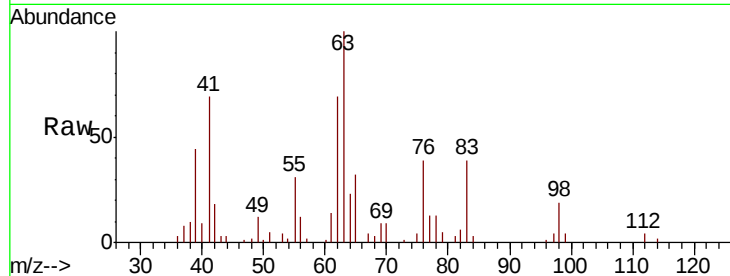
LOQ-WATER-02-QT4-2018

Tgt Ion: 63 Resp: 18708

Ion Ratio Lower Upper

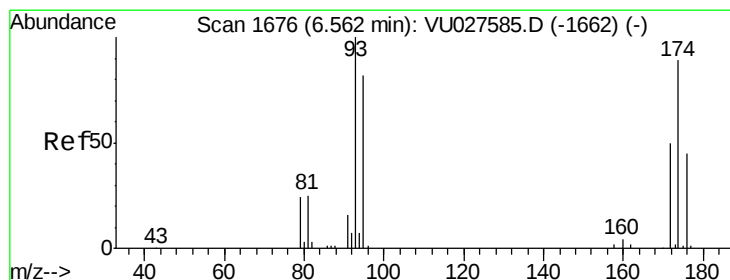
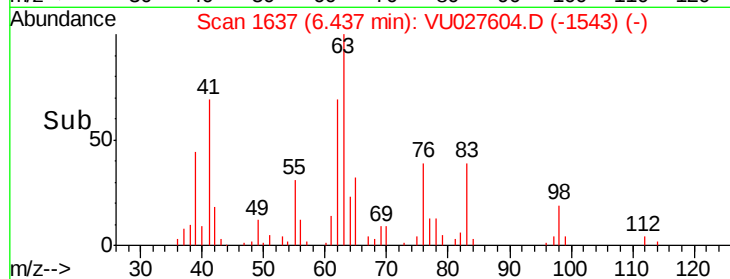
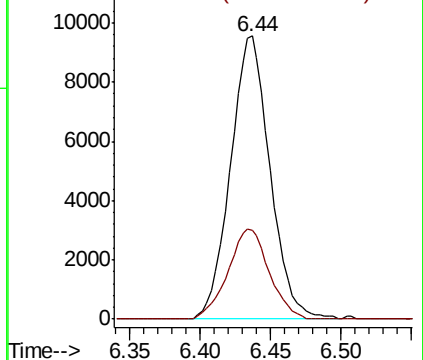
63 100

65 31.5 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU027585.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027585.D (-1620) (-)



#46

Dibromomethane

Concen: 10.368 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

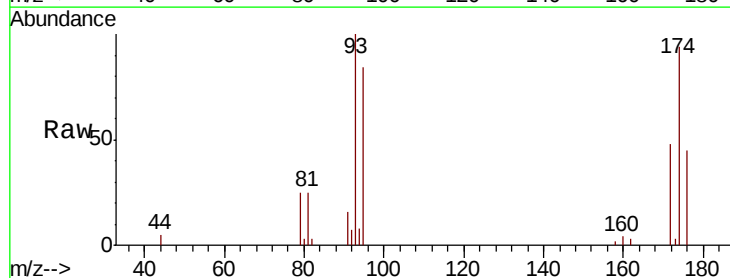
Tgt Ion: 93 Resp: 10560

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

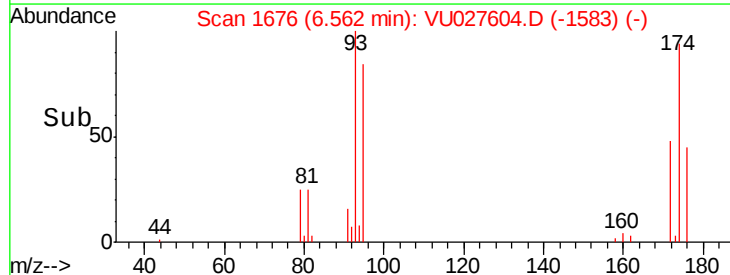
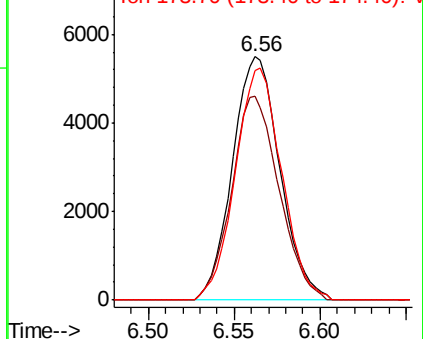
174 93.1 72.5 108.7

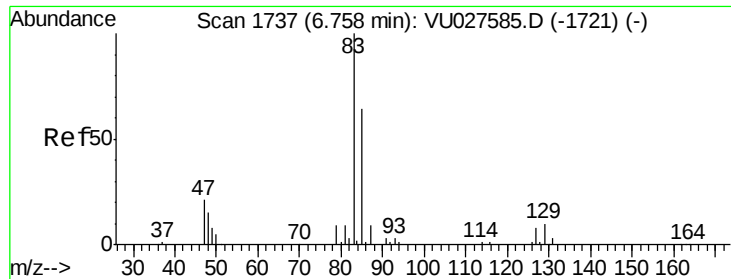


Abundance Ion 92.80 (92.50 to 93.50): VU027585.D (-1662) (-)

Ion 94.80 (94.50 to 95.50): VU027585.D (-1662) (-)

Ion 173.70 (173.40 to 174.40): VU027585.D (-1662) (-)

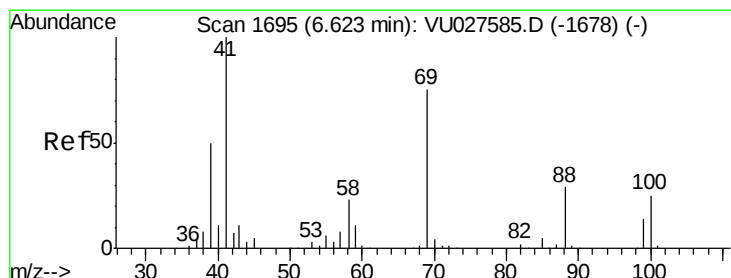
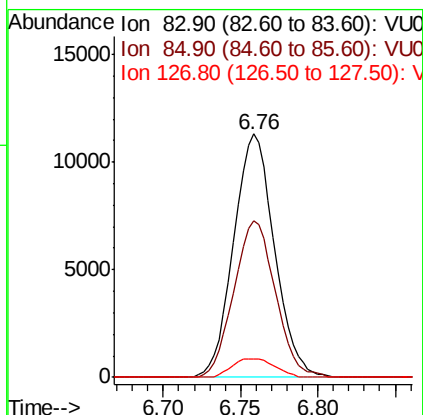
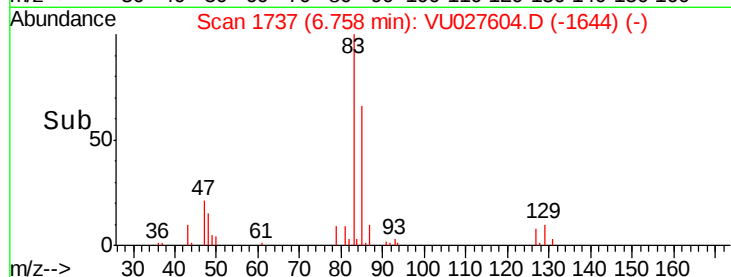
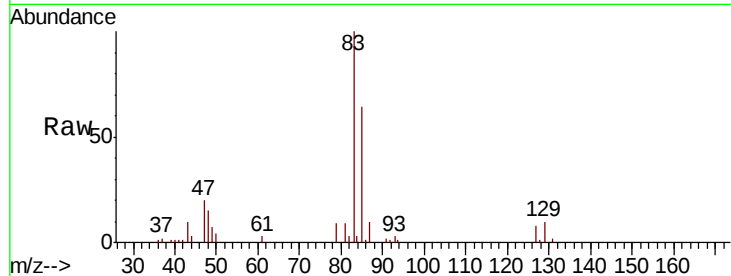




#47
Bromodichloromethane
Concen: 10.104 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

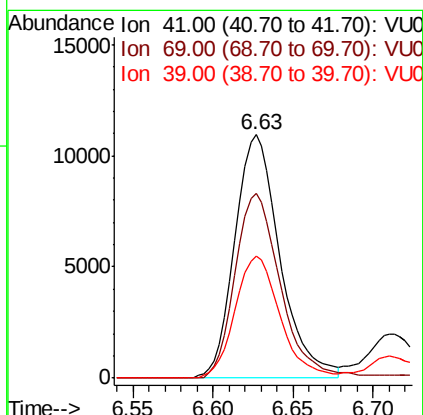
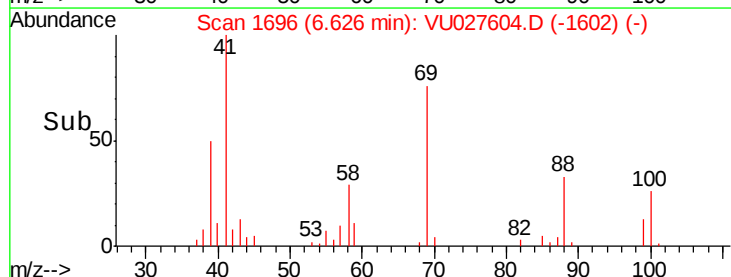
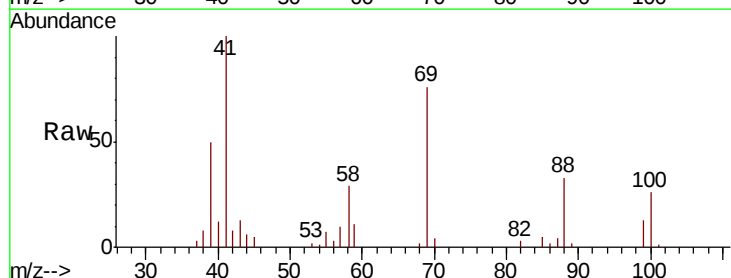
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

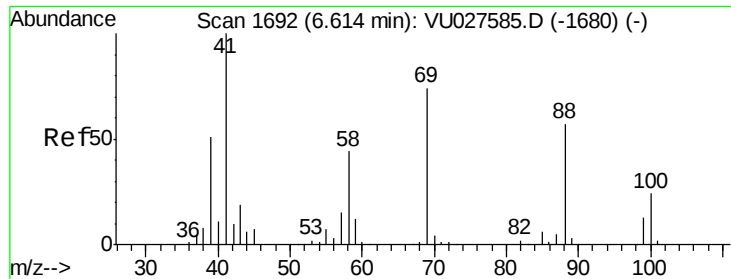
Tgt Ion: 83 Resp: 20702
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.0
127 7.5 6.3 9.5



#48
Methyl methacrylate
Concen: 10.436 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 41 Resp: 21105
Ion Ratio Lower Upper
41 100
69 76.3 61.0 91.4
39 50.0 39.9 59.9

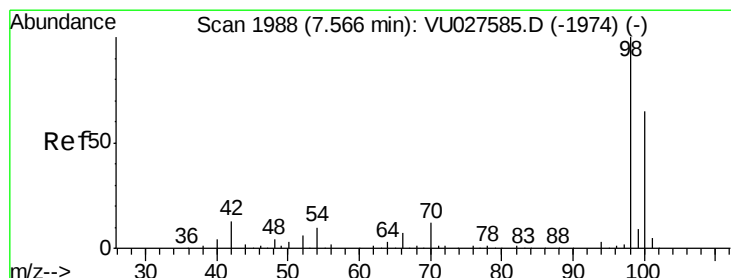
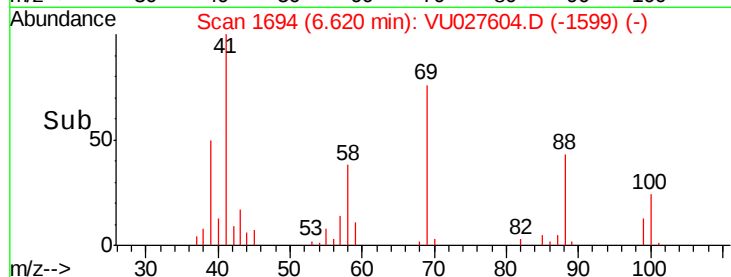
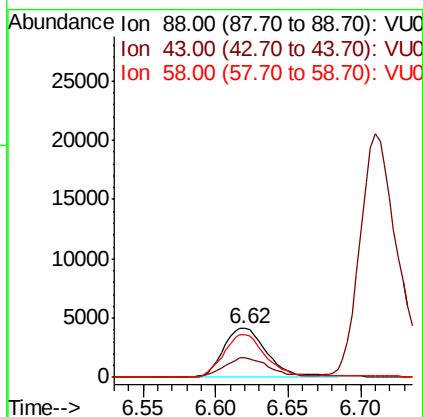
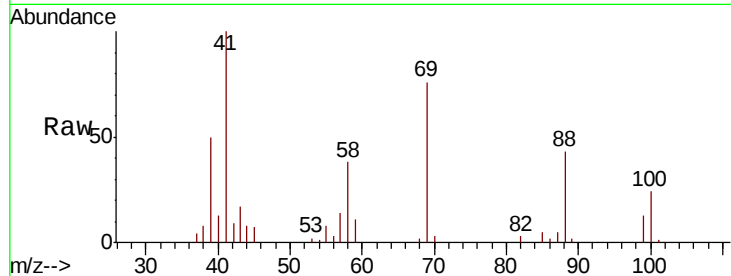




#49
1,4-Dioxane
Concen: 217.685 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

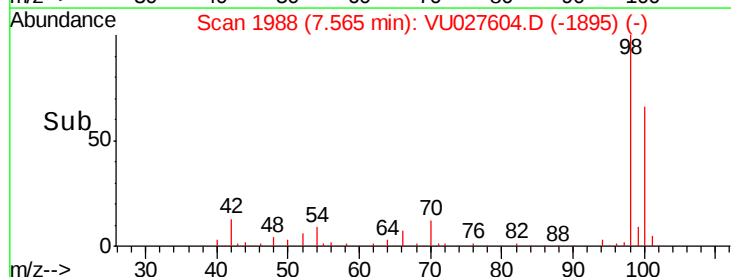
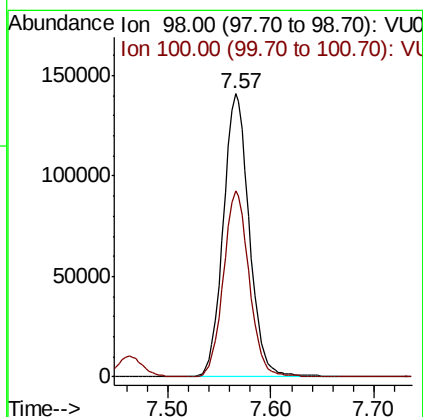
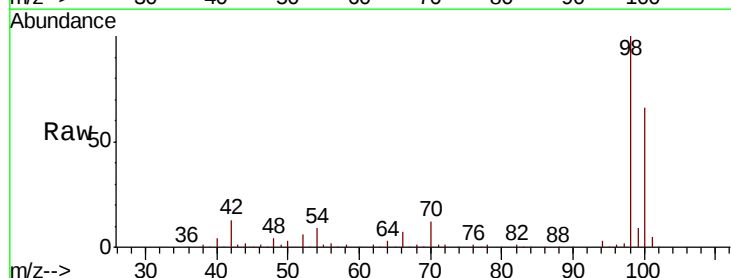
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

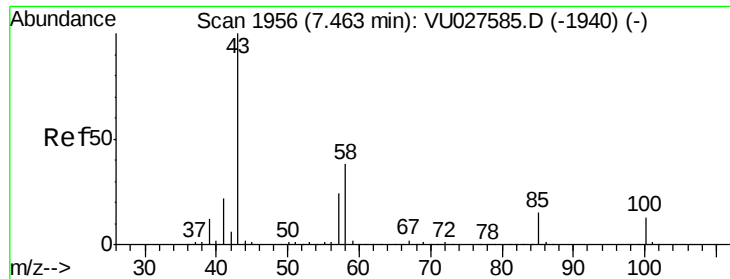
Tgt Ion: 88 Resp: 8696
Ion Ratio Lower Upper
88 100
43 41.0 30.8 46.2
58 83.6 67.0 100.6



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 98 Resp: 246856
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 52.569 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

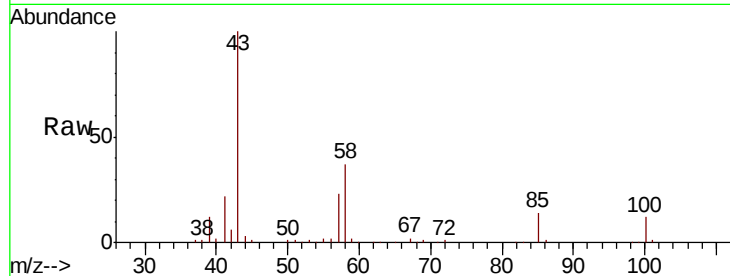
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 147555

Ion Ratio Lower Upper

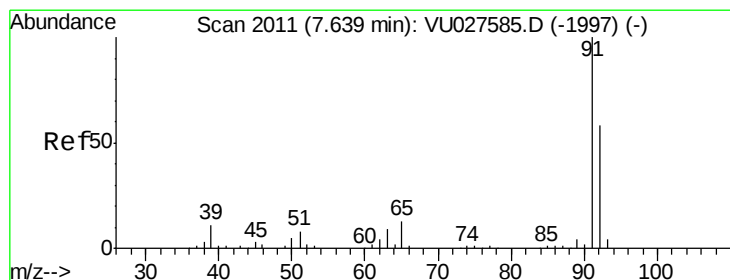
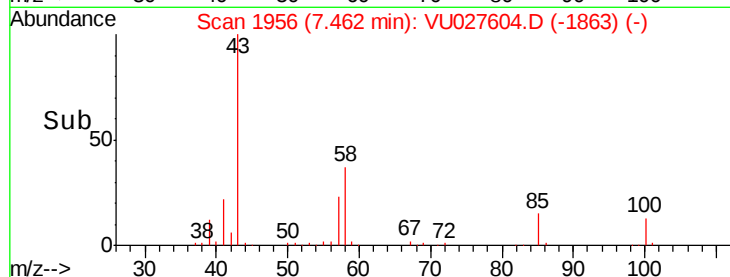
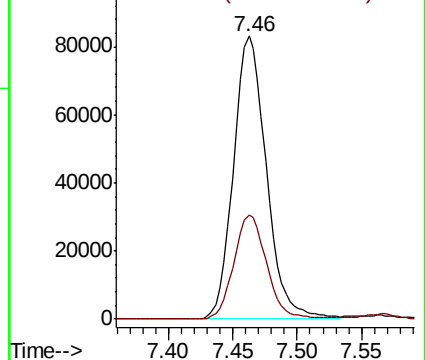
43 100

58 36.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 10.822 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027604.D

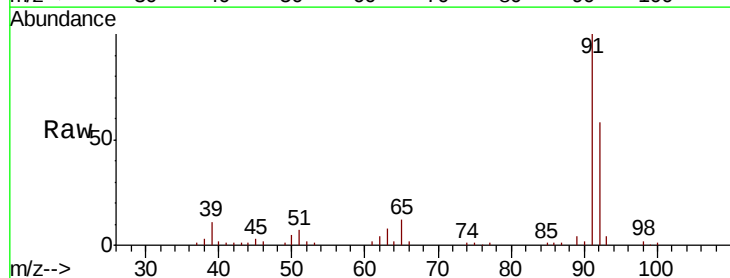
Acq: 11 Oct 2018 17:17

Tgt Ion: 92 Resp: 37643

Ion Ratio Lower Upper

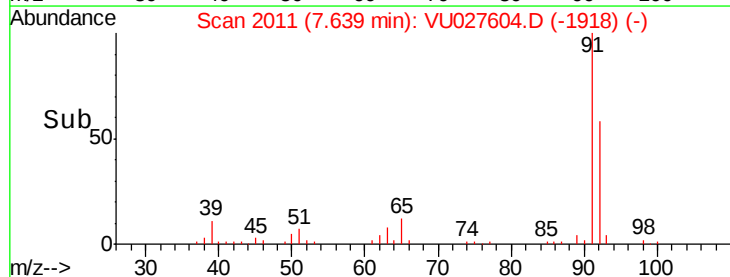
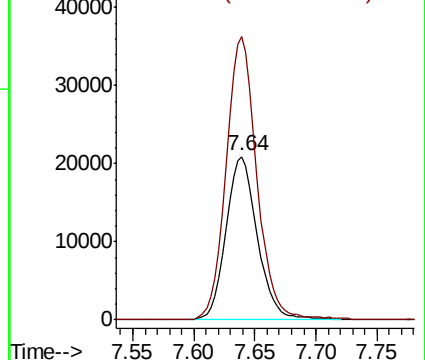
92 100

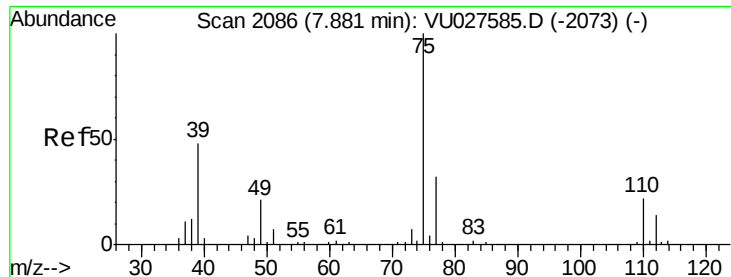
91 171.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

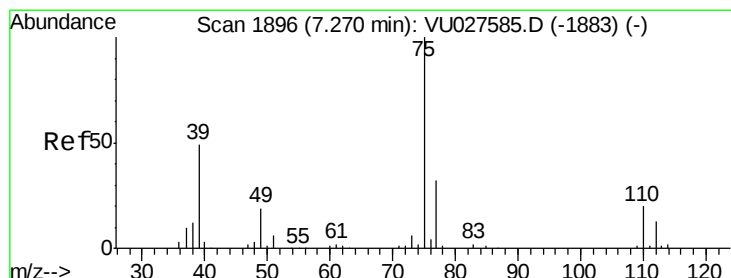
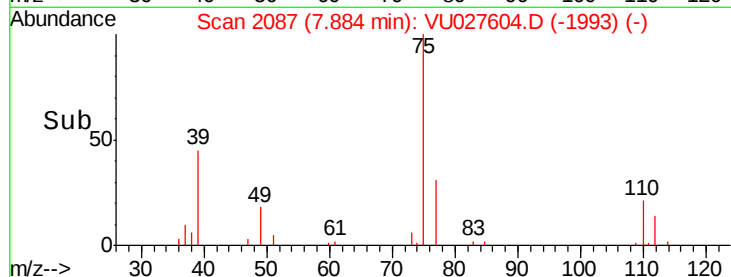
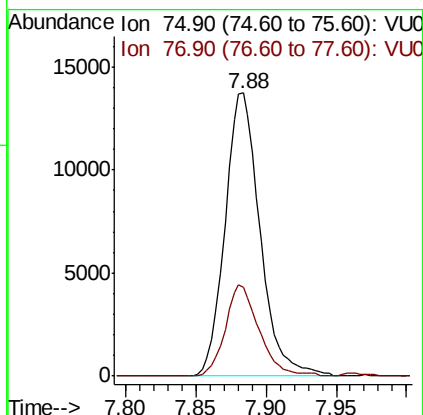
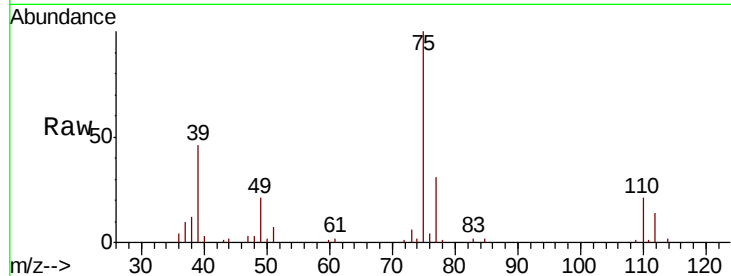




#53
t-1,3-Dichloropropene
Concen: 10.190 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

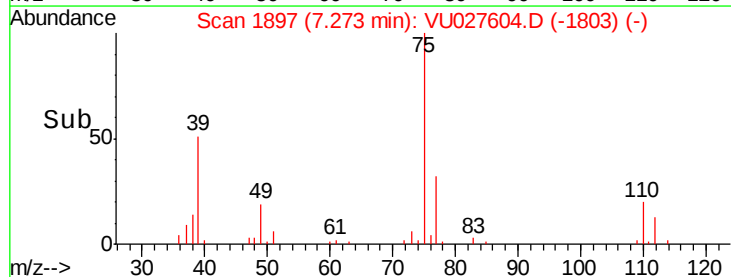
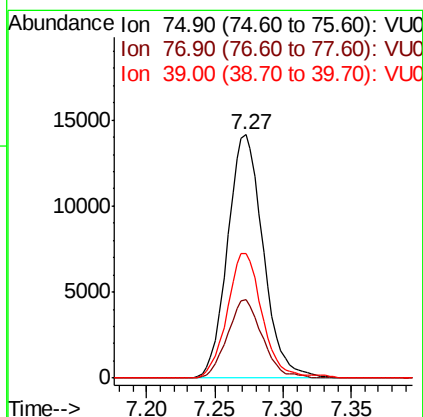
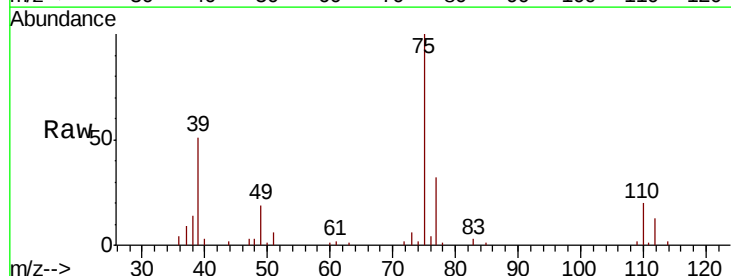
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

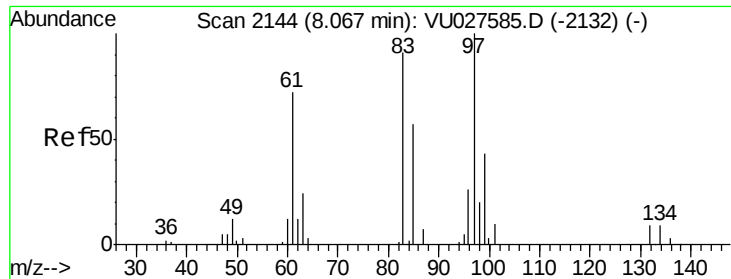
Tgt Ion: 75 Resp: 23769
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 10.103 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 75 Resp: 25645
Ion Ratio Lower Upper
75 100
77 32.3 24.5 36.7
39 51.4 40.1 60.1

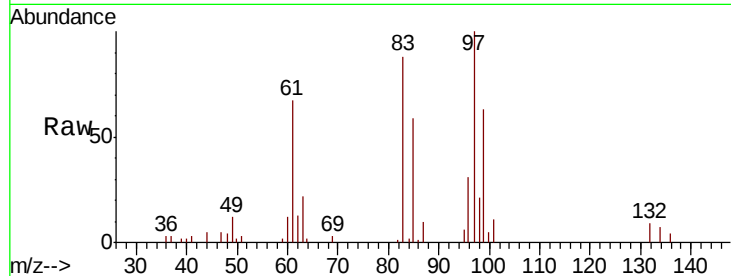




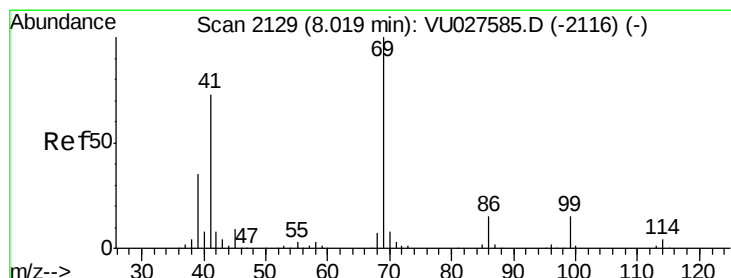
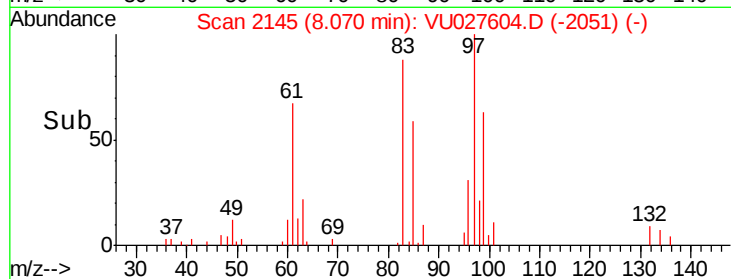
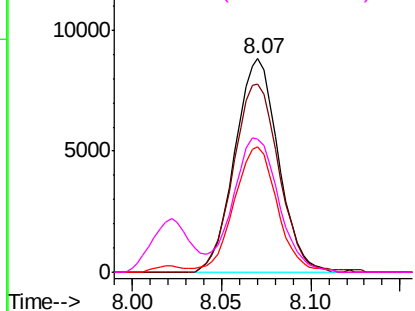
#55
 1,1,2-Trichloroethane
 Concen: 10.430 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

Tgt Ion:	97	Resp:	14971
Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.0	109.6
85	58.7	47.3	70.9
99	62.5	49.7	74.5

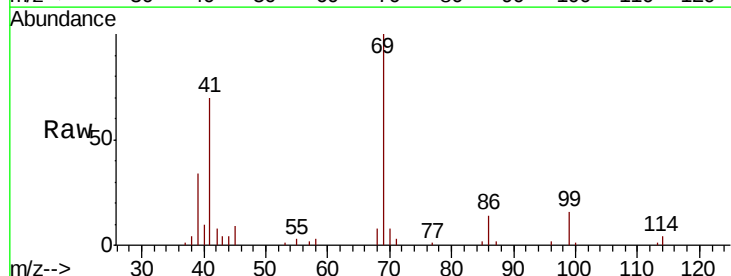


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

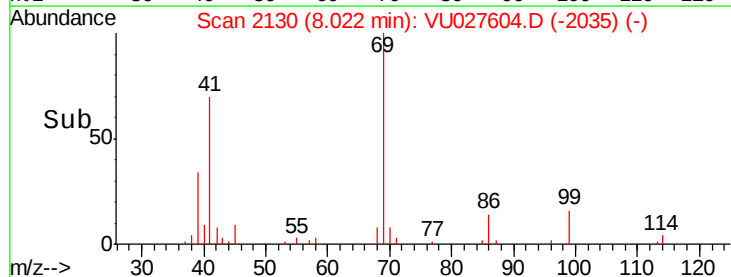
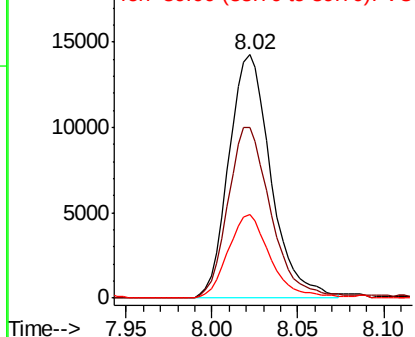


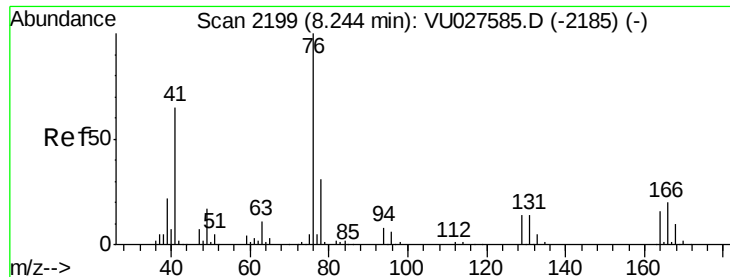
#56
 Ethyl methacrylate
 Concen: 10.952 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion:	69	Resp:	24300
Ion	Ratio	Lower	Upper
69	100		
41	71.5	60.0	90.0
39	34.3	29.5	44.3



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

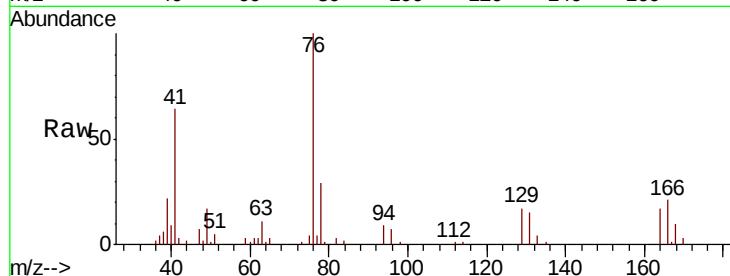




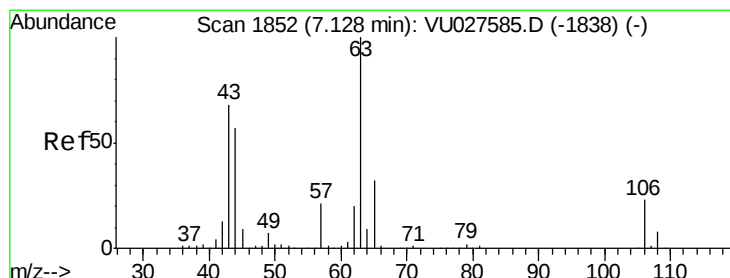
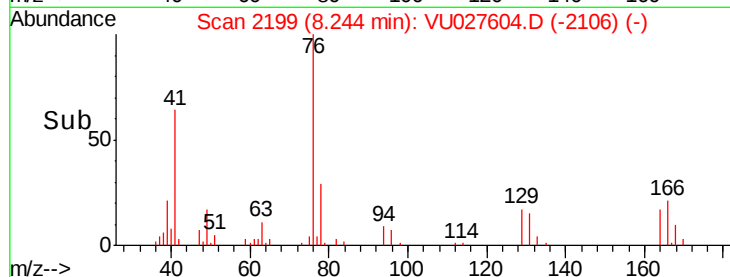
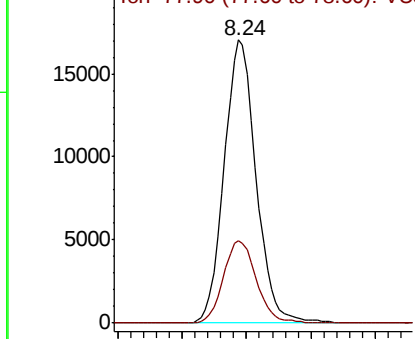
#57
 1,3-Dichloropropane
 Concen: 10.730 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

Tgt Ion: 76 Resp: 29258
 Ion Ratio Lower Upper
 76 100
 78 30.0 25.8 38.6

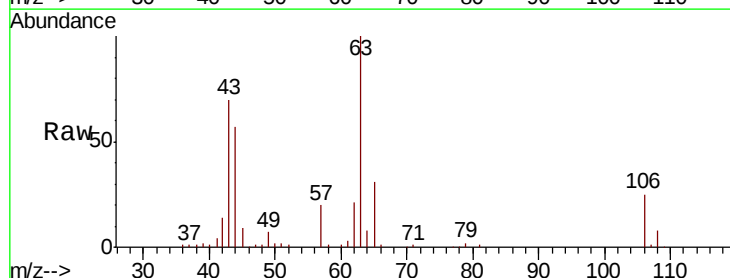


Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

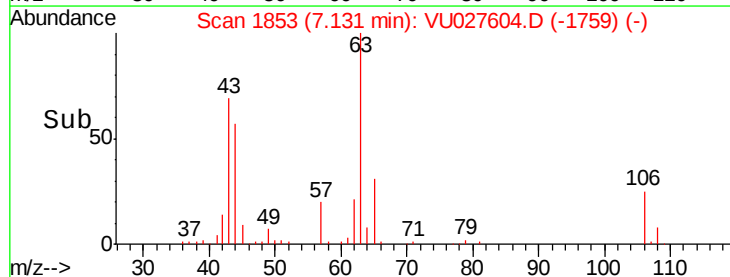
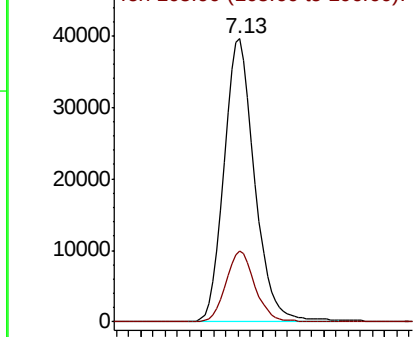


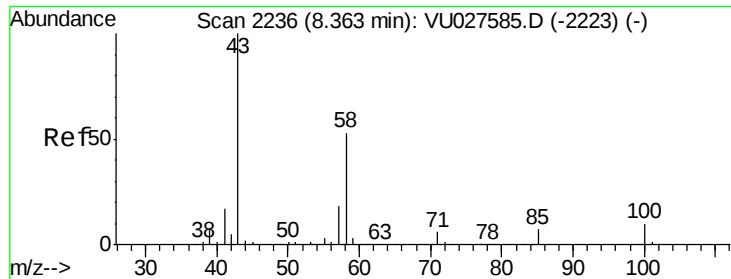
#58
 2-Chloroethyl Vinyl ether
 Concen: 51.801 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 63 Resp: 69653
 Ion Ratio Lower Upper
 63 100
 106 23.9 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V

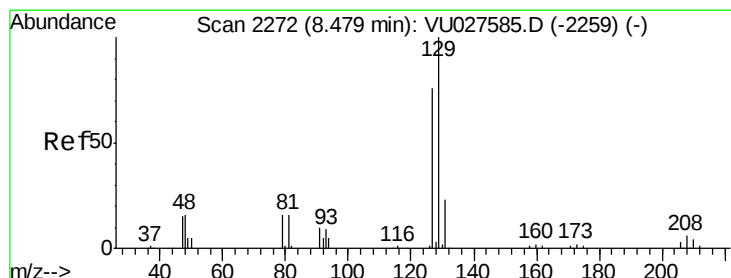
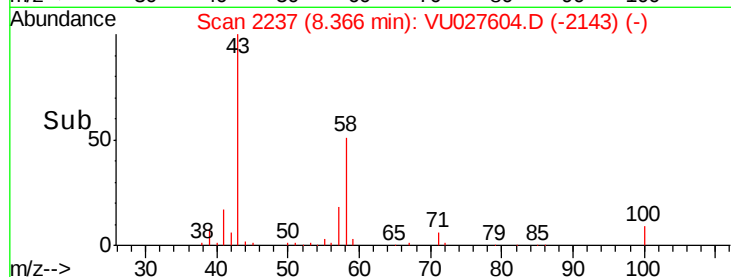
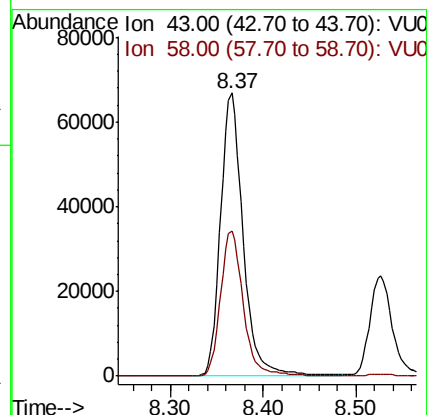
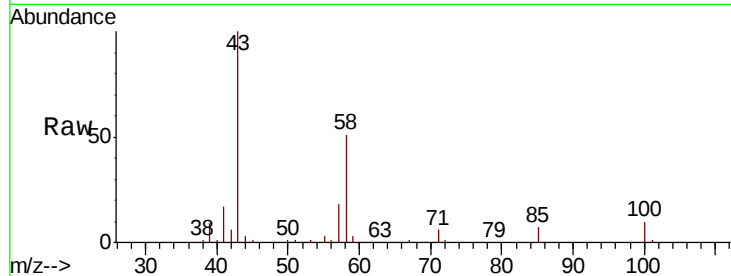




#59
2-Hexanone
Concen: 51.777 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

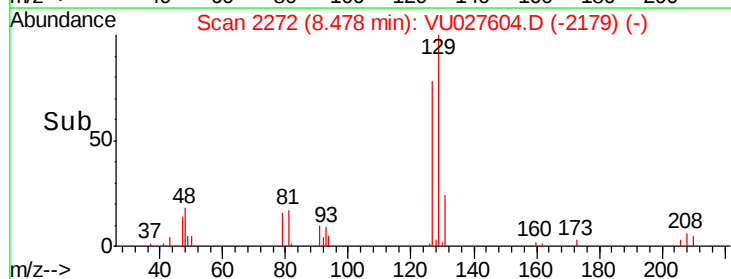
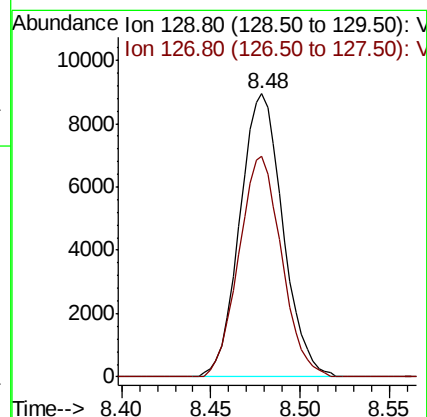
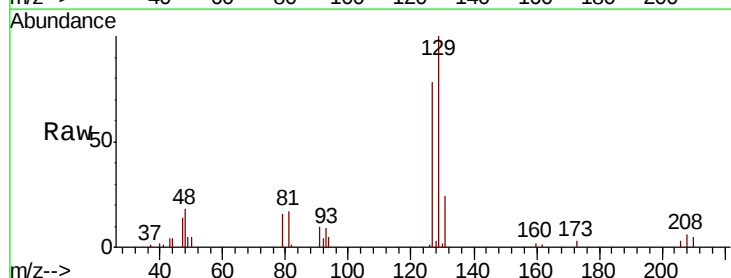
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

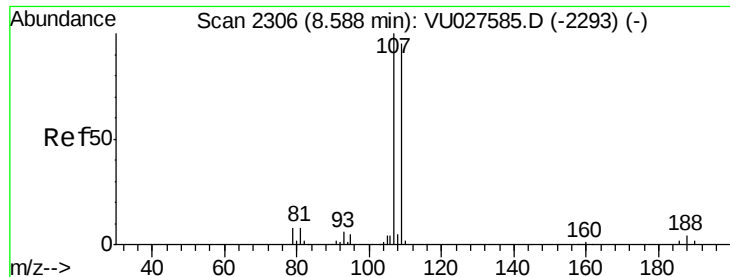
Tgt Ion: 43 Resp: 113376
Ion Ratio Lower Upper
43 100
58 51.6 26.1 78.3



#60
Dibromochloromethane
Concen: 10.461 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 129 Resp: 15007
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2

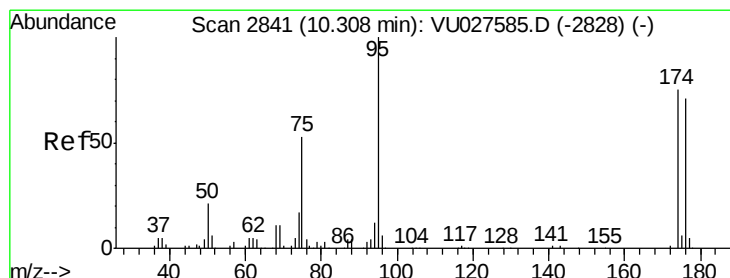
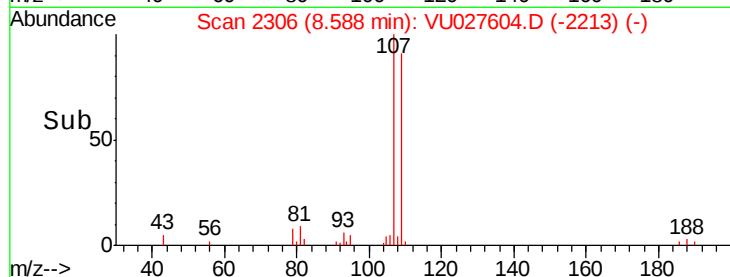
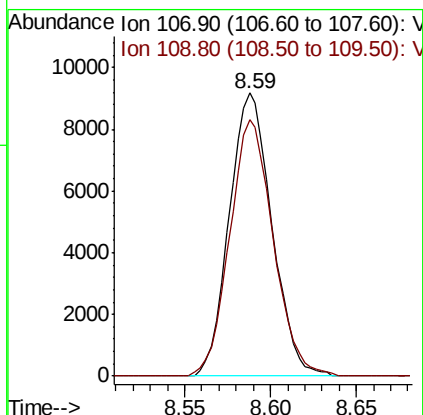
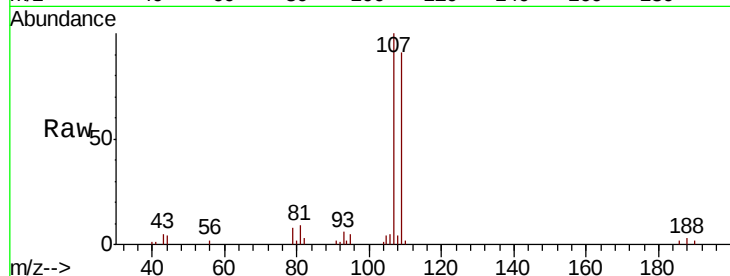




#61
 1,2-Dibromoethane
 Concen: 10.421 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

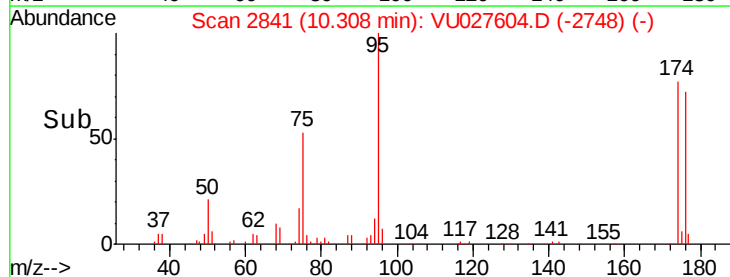
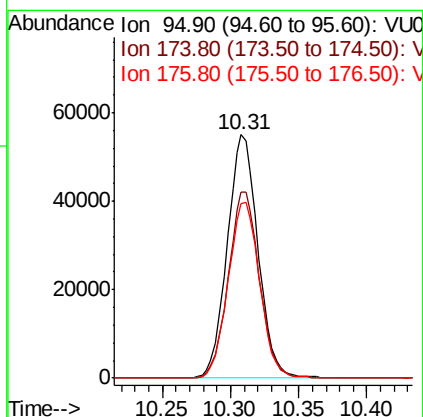
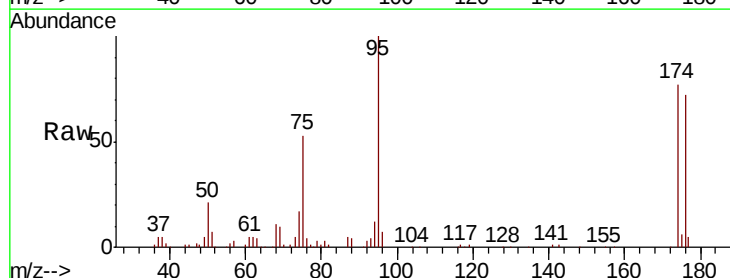
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

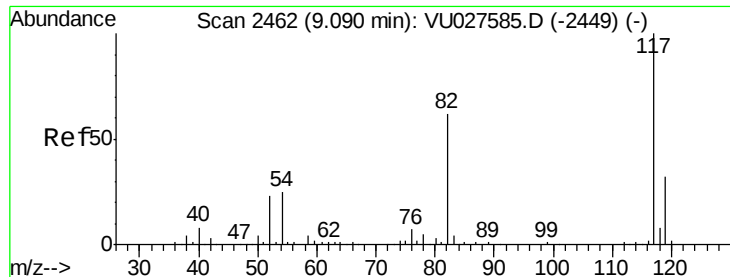
Tgt Ion: 107 Resp: 15752
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 47.870 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 95 Resp: 86107
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 147.8
 176 73.9 0.0 140.8

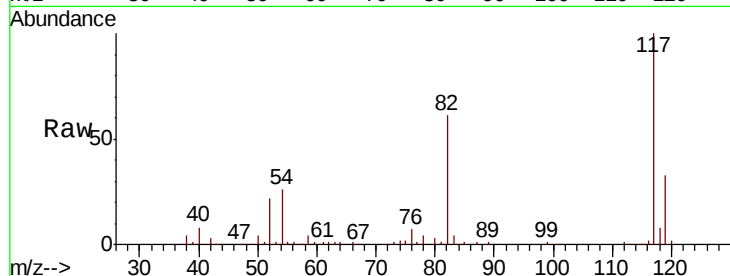




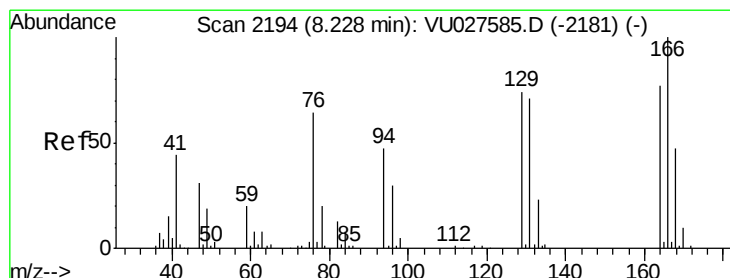
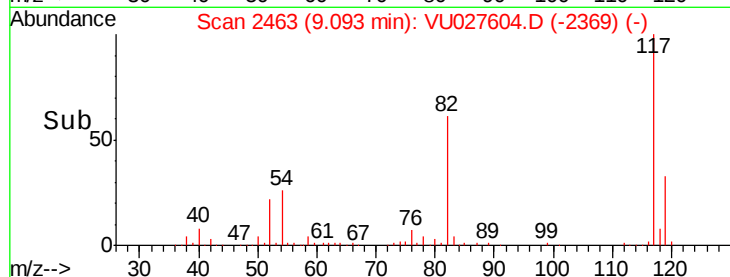
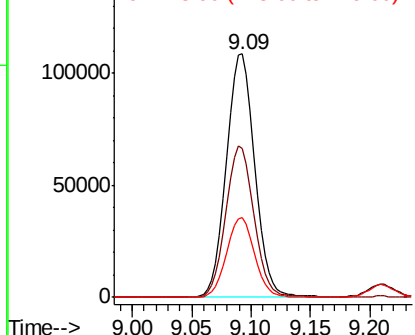
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

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

Tgt Ion:117 Resp: 180522
Ion Ratio Lower Upper
117 100
82 61.2 49.2 73.8
119 32.6 25.7 38.5



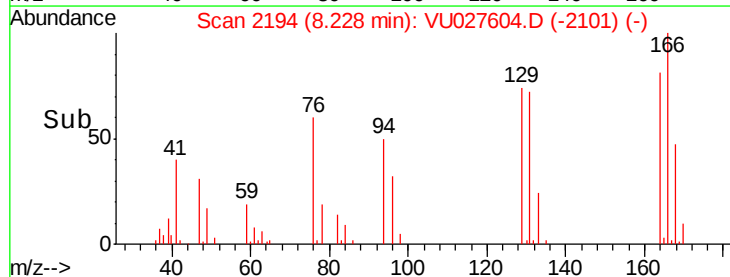
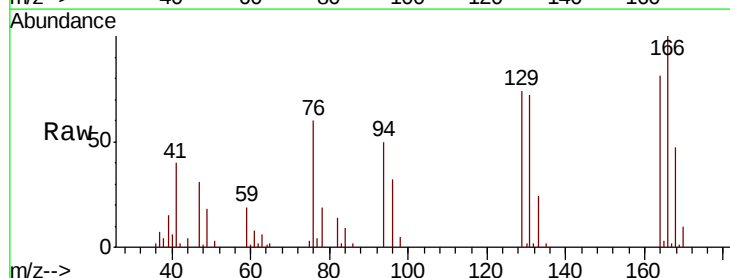
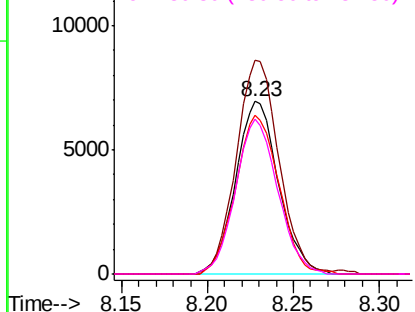
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

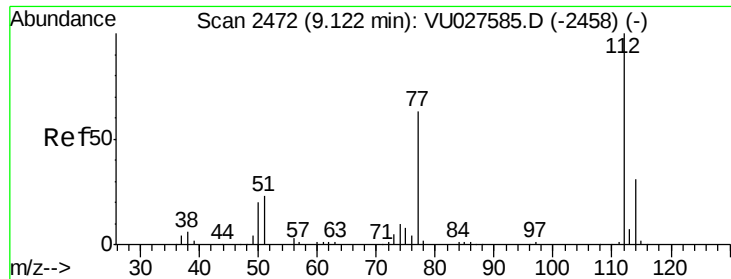


#64
Tetrachloroethene
Concen: 10.720 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion:164 Resp: 12021
Ion Ratio Lower Upper
164 100
166 123.7 101.0 151.6
129 91.7 78.0 117.0
131 89.5 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

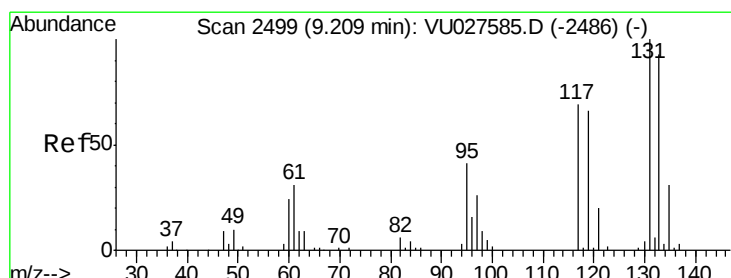
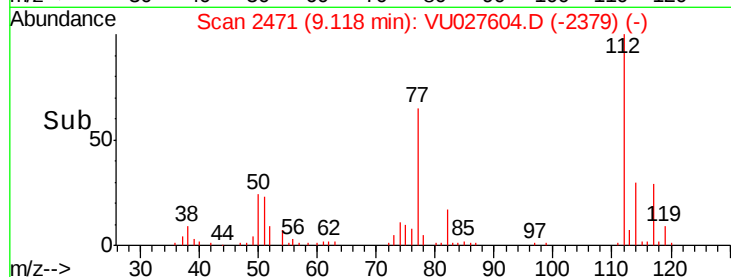
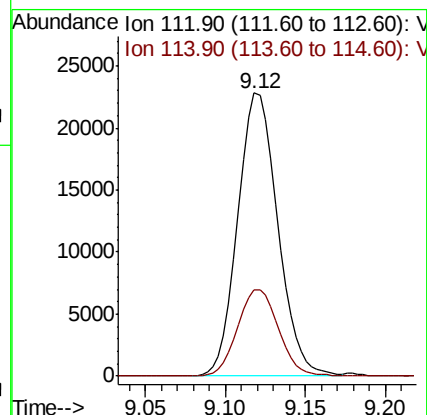
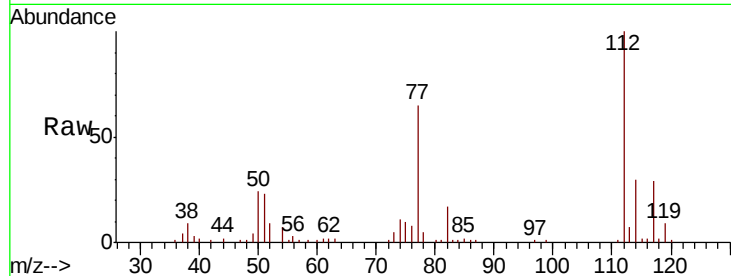




#65
Chlorobenzene
Concen: 10.413 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

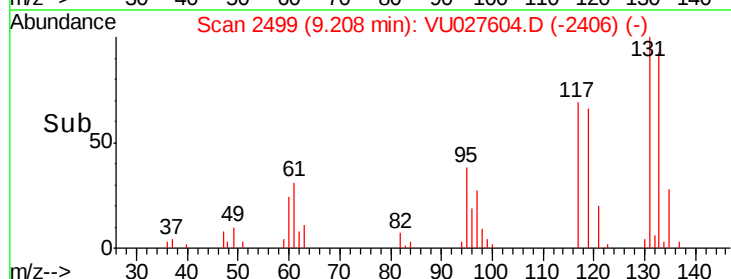
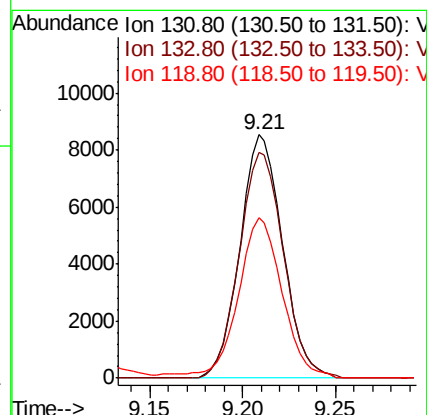
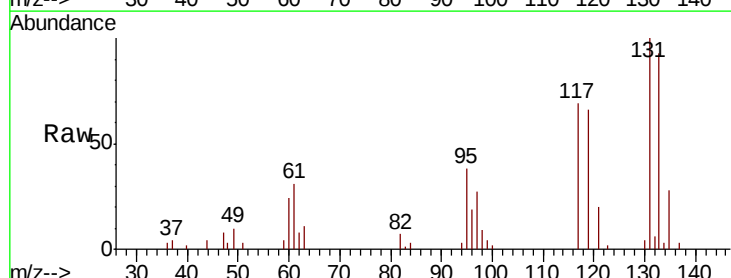
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

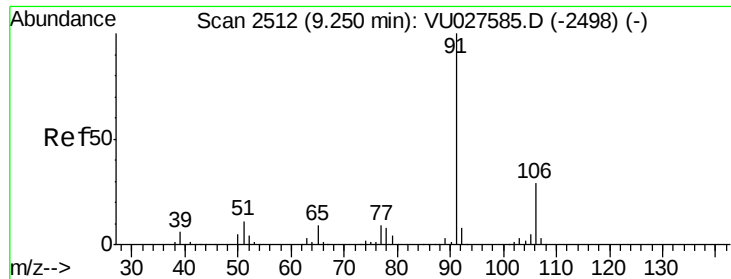
Tgt Ion:112 Resp: 38993
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 10.695 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion:131 Resp: 13692
Ion Ratio Lower Upper
131 100
133 96.1 48.5 145.6
119 67.5 33.5 100.4

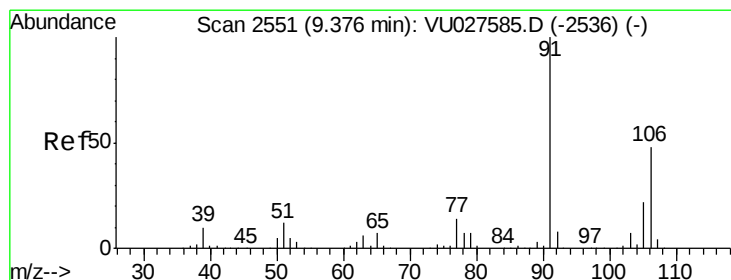
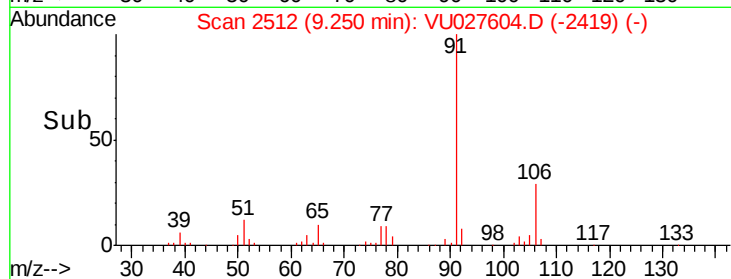
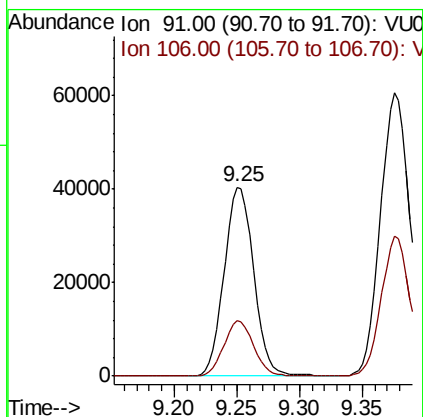
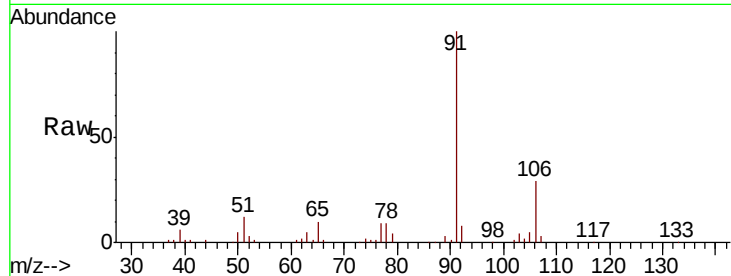




#67
Ethyl Benzene
Concen: 10.327 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

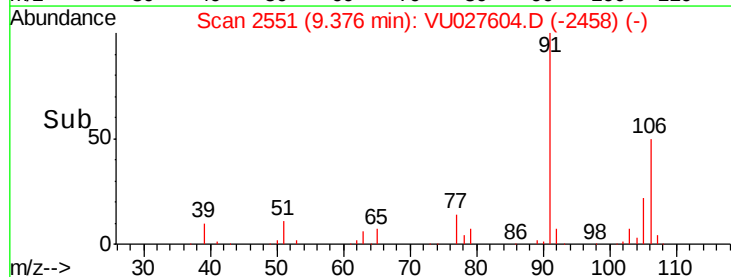
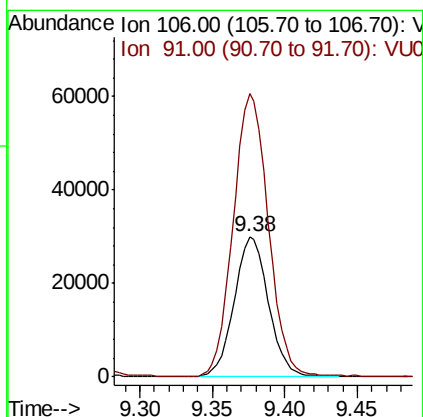
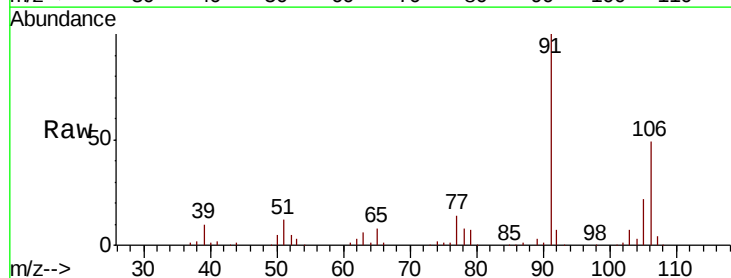
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

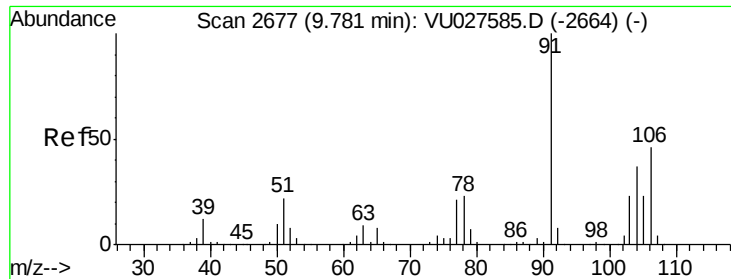
Tgt Ion: 91 Resp: 66338
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 20.992 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 106 Resp: 49233
Ion Ratio Lower Upper
106 100
91 207.6 168.1 252.1

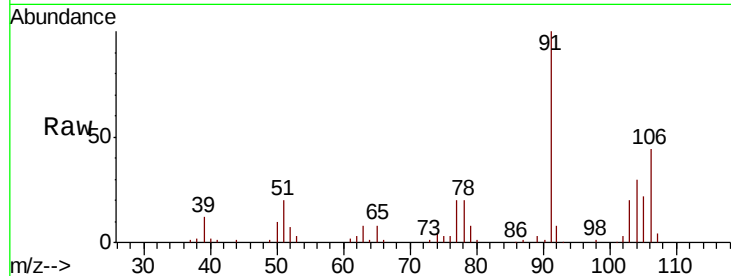




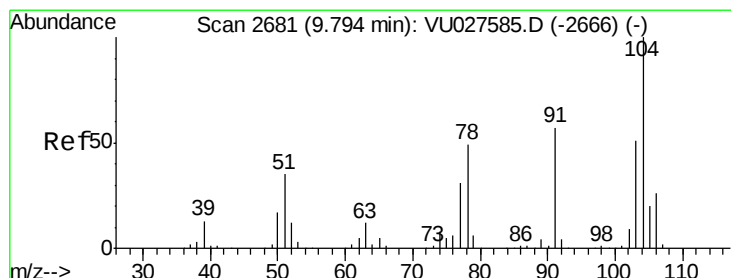
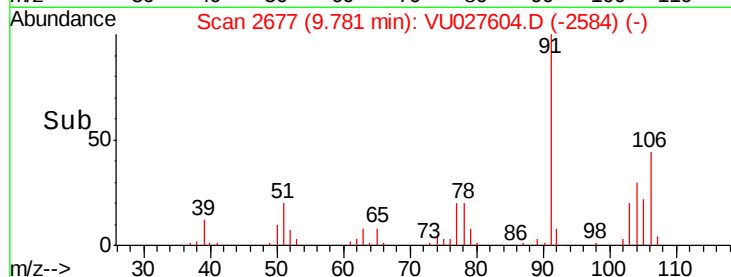
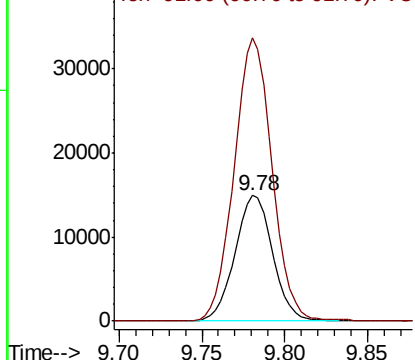
#69
o-Xylene
Concen: 10.353 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

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

Tgt Ion:106 Resp: 23605
Ion Ratio Lower Upper
106 100
91 226.4 111.7 334.9

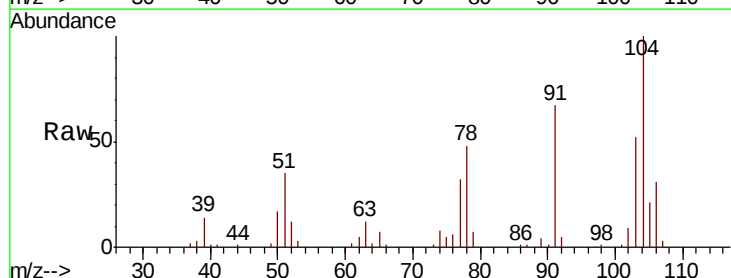


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

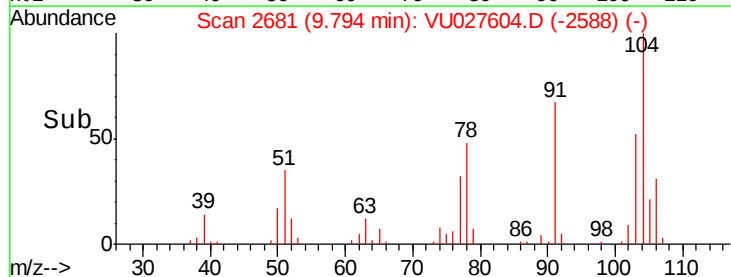
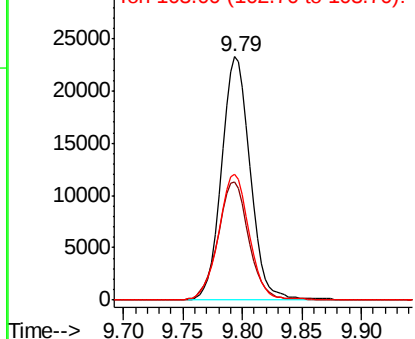


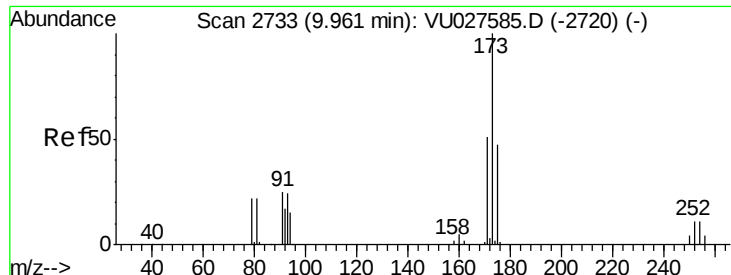
#70
Styrene
Concen: 10.260 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion:104 Resp: 38827
Ion Ratio Lower Upper
104 100
78 52.3 42.9 64.3
103 55.0 43.9 65.9



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





#71

Bromoform

Concen: 10.187 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

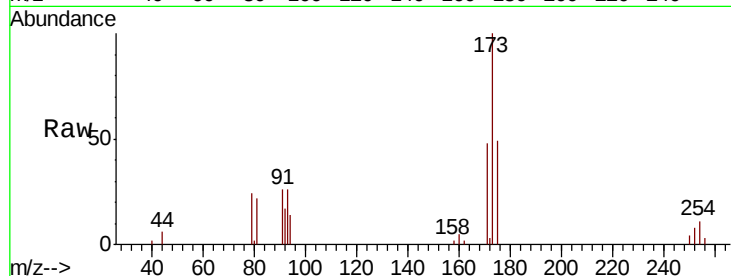
Tgt Ion:173 Resp: 10843

Ion Ratio Lower Upper

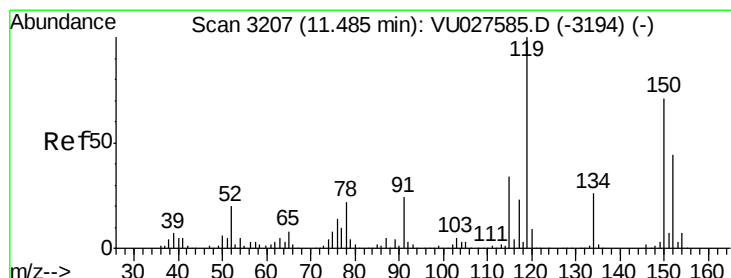
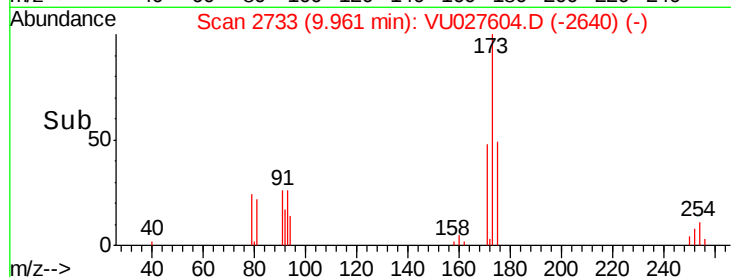
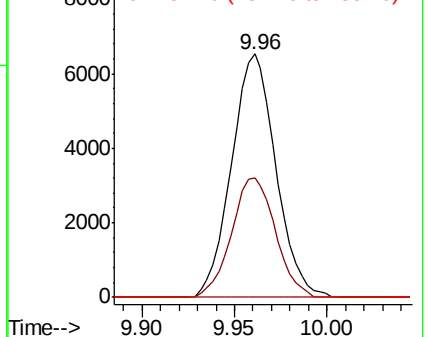
173 100

175 48.7 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: VU027604.D

Acq: 11 Oct 2018 17:17

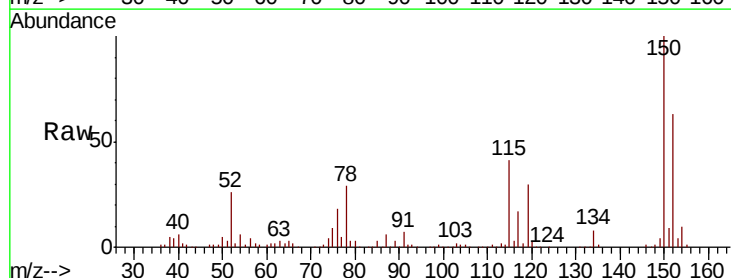
Tgt Ion:152 Resp: 88711

Ion Ratio Lower Upper

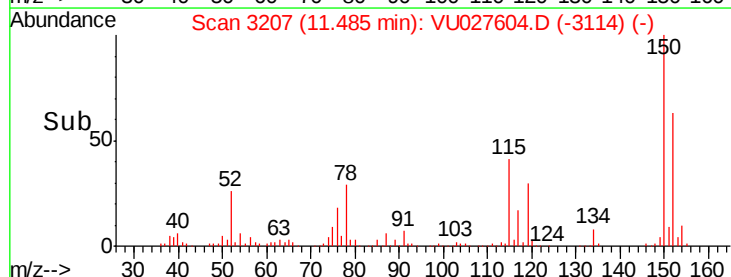
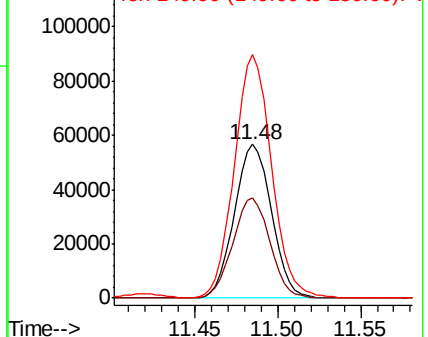
152 100

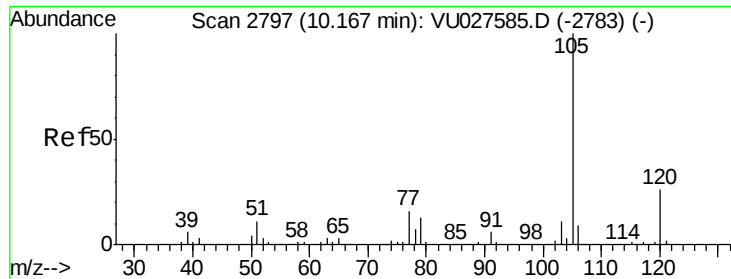
115 65.1 43.4 130.2

150 158.3 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: 10.910 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

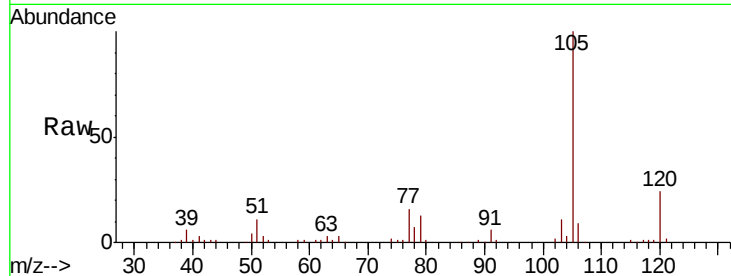
LOQ-WATER-02-QT4-2018

Tgt Ion: 105 Resp: 65159

Ion Ratio Lower Upper

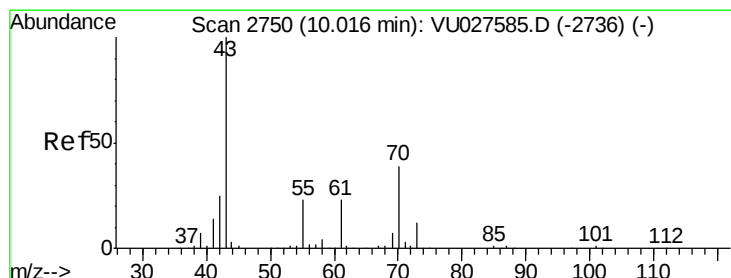
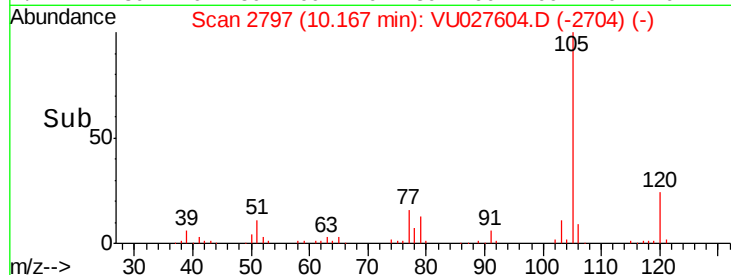
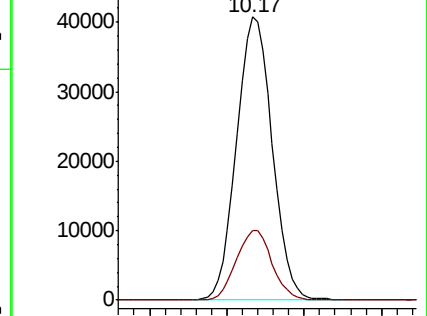
105 100

120 24.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.580 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Tgt Ion: 43 Resp: 37268

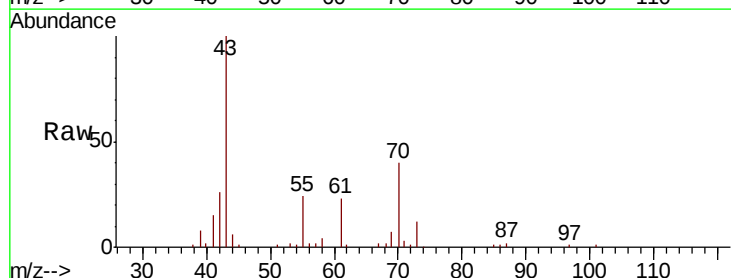
Ion Ratio Lower Upper

43 100

70 39.0 31.3 46.9

55 24.6 19.0 28.6

61 22.5 18.5 27.7

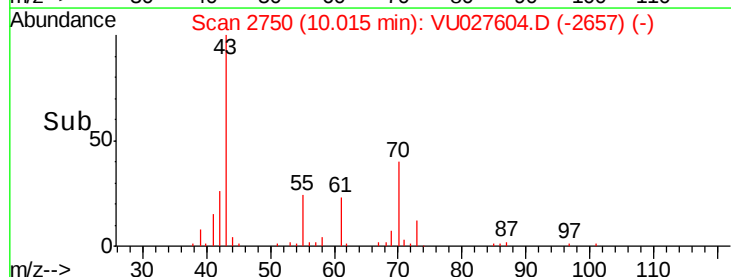
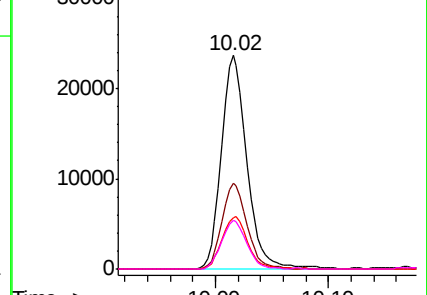


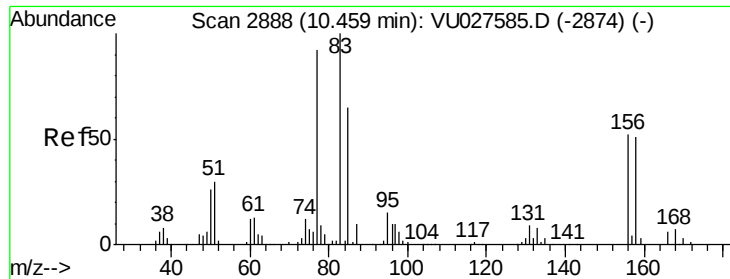
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 10.578 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

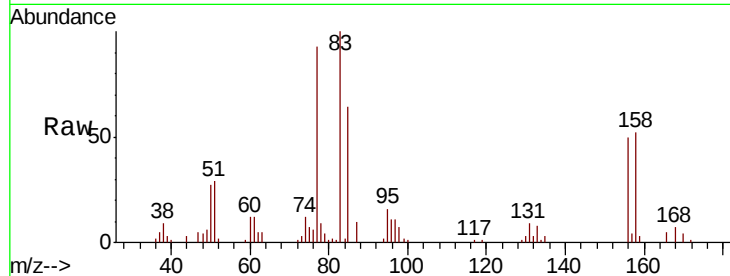
Tgt Ion: 83 Resp: 27175

Ion Ratio Lower Upper

83 100

131 8.4 4.4 13.2

85 63.1 32.0 96.0

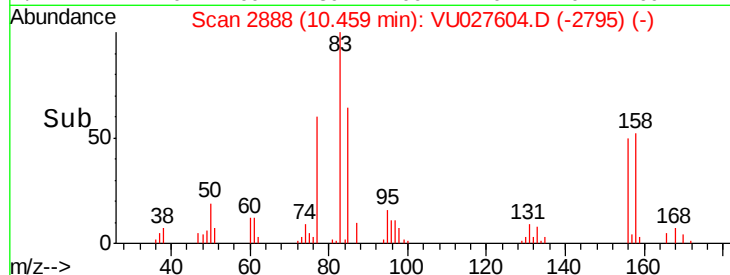


Abundance Ion 82.90 (82.60 to 83.60): VU027585.D (-2874) (-)

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

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

Time-->

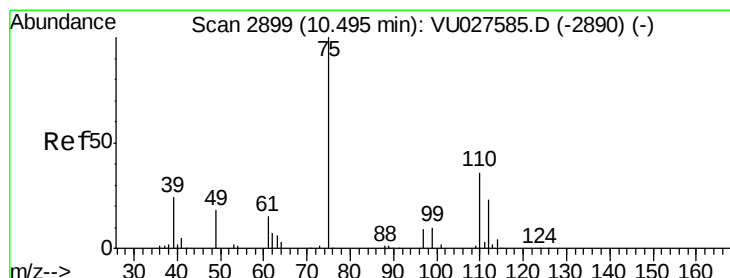


Abundance Ion 82.90 (82.60 to 83.60): VU027604.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027604.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027604.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 12.744 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027604.D

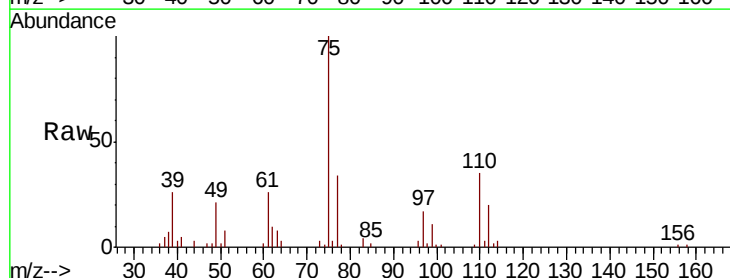
Acq: 11 Oct 2018 17:17

Tgt Ion: 75 Resp: 32434

Ion Ratio Lower Upper

75 100

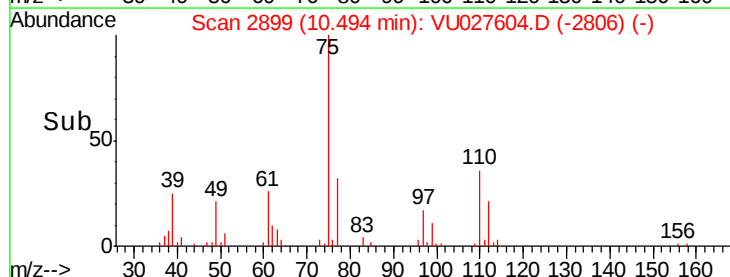
77 31.6 20.3 60.9



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

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

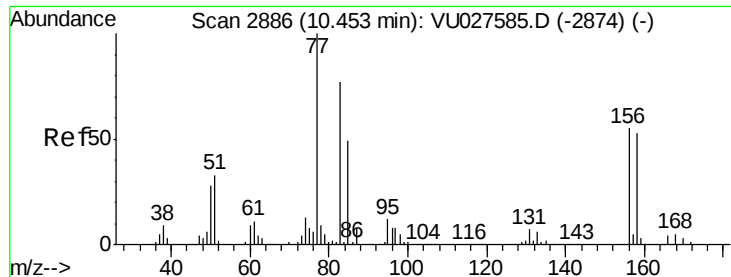
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU027604.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027604.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 10.664 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

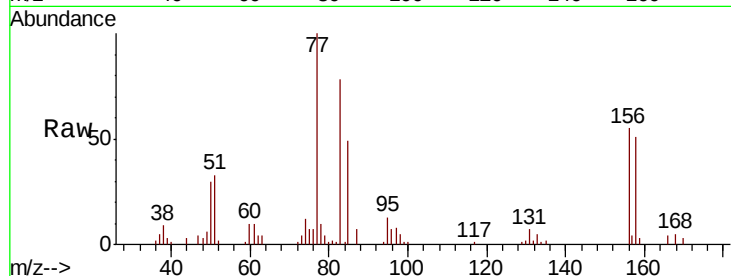
Tgt Ion:156 Resp: 15602

Ion Ratio Lower Upper

156 100

77 186.7 94.8 284.4

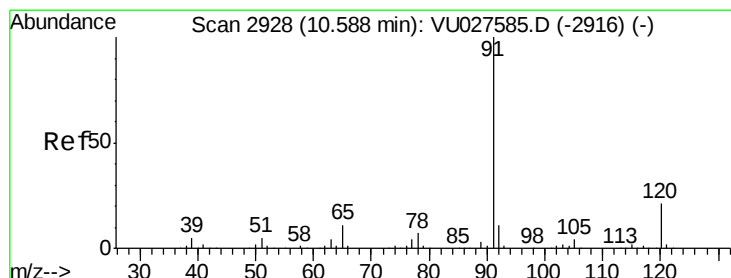
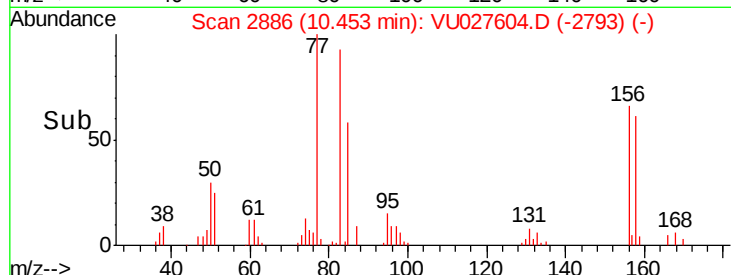
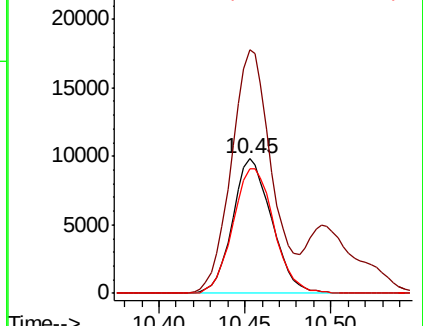
158 97.0 47.4 142.3



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: 10.278 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027604.D

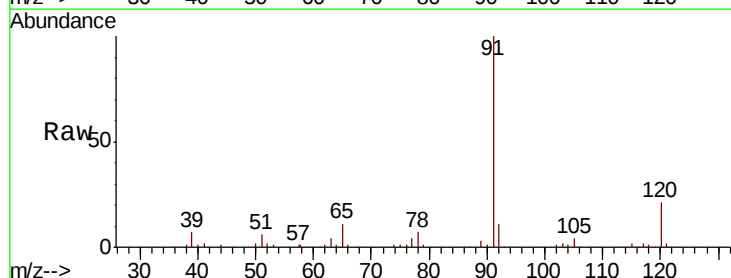
Acq: 11 Oct 2018 17:17

Tgt Ion: 91 Resp: 74511

Ion Ratio Lower Upper

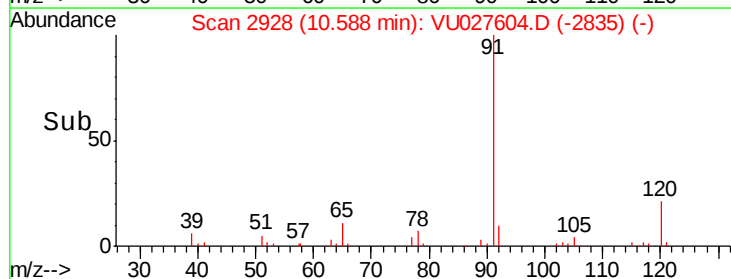
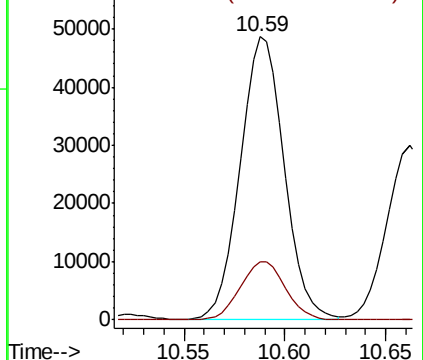
91 100

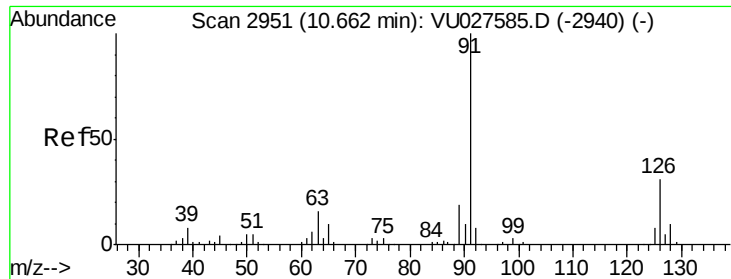
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

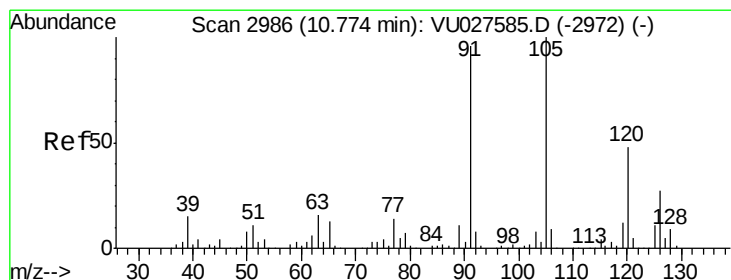
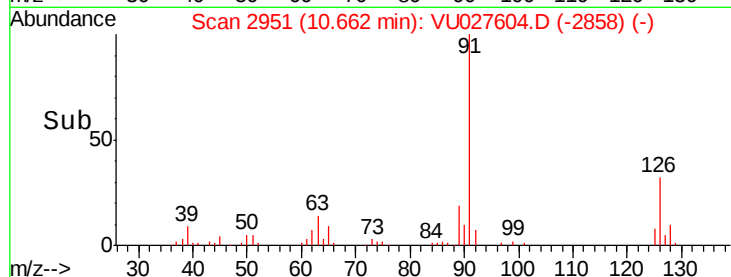
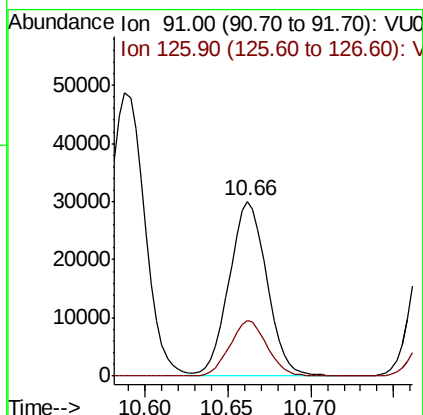
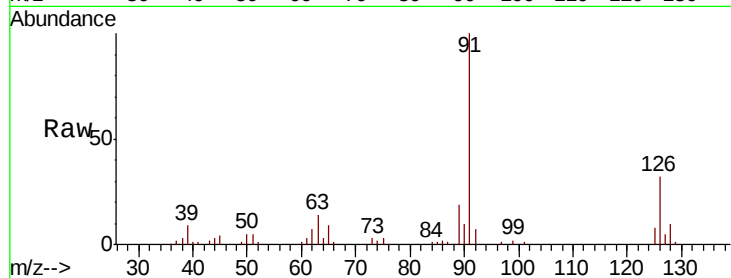




#79
 2-Chlorotoluene
 Concen: 10.605 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

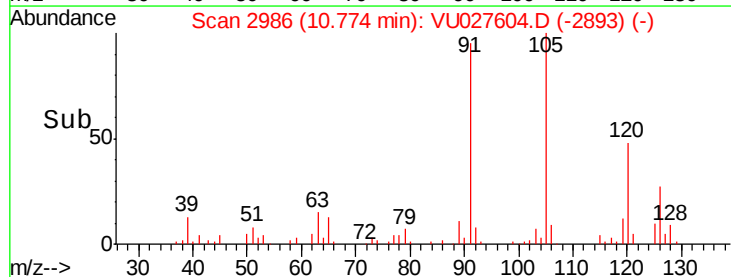
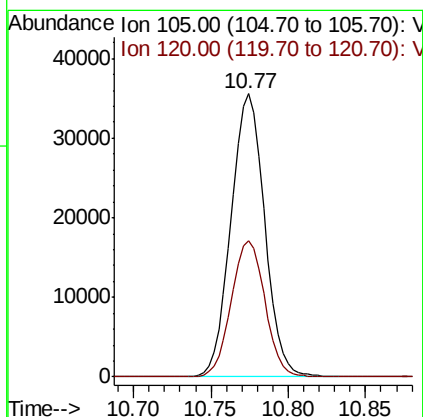
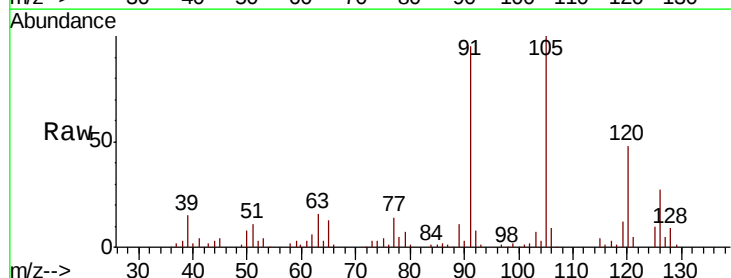
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

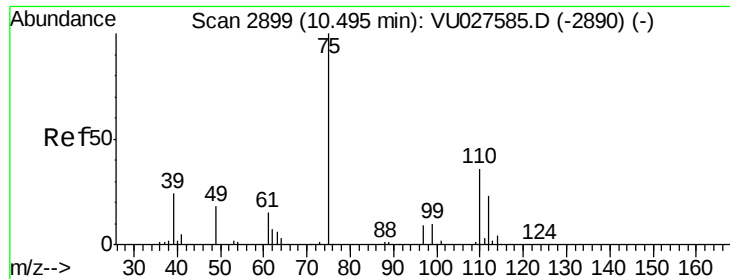
Tgt Ion: 91 Resp: 47165
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 9.996 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 105 Resp: 53736
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.019 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

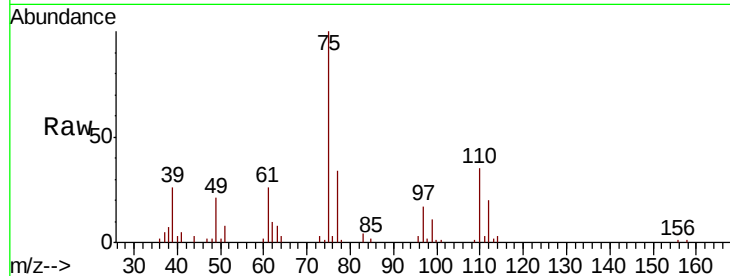
Tgt Ion: 75 Resp: 32434

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

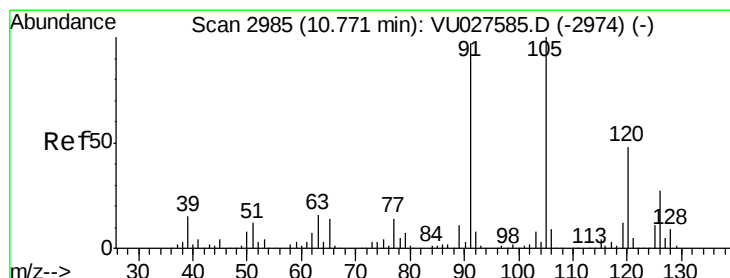
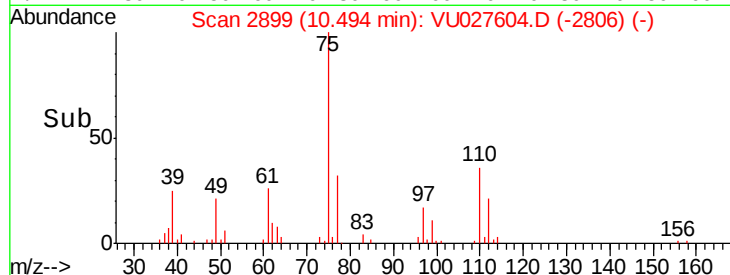
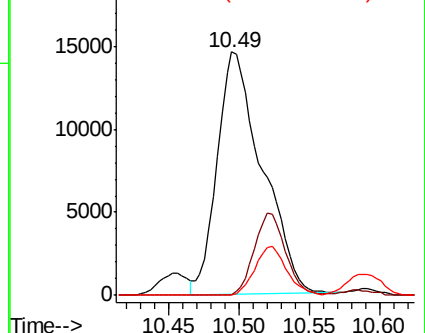
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU027604.D (-2892) (-)

Ion 53.00 (52.70 to 53.70): VU027604.D (-2892) (-)

Ion 88.90 (88.60 to 89.60): VU027604.D (-2892) (-)



#82

4-Chlorotoluene

Concen: 10.595 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027604.D

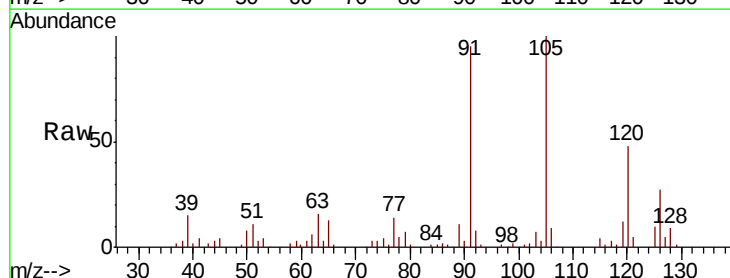
Acq: 11 Oct 2018 17:17

Tgt Ion: 91 Resp: 52650

Ion Ratio Lower Upper

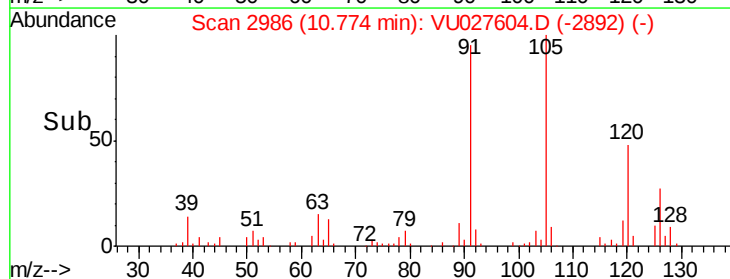
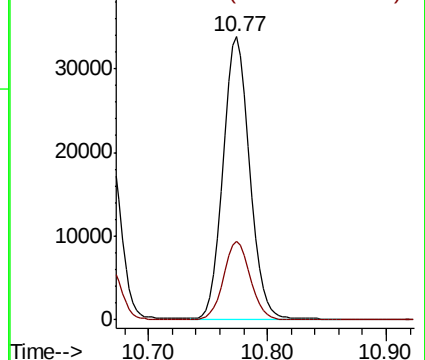
91 100

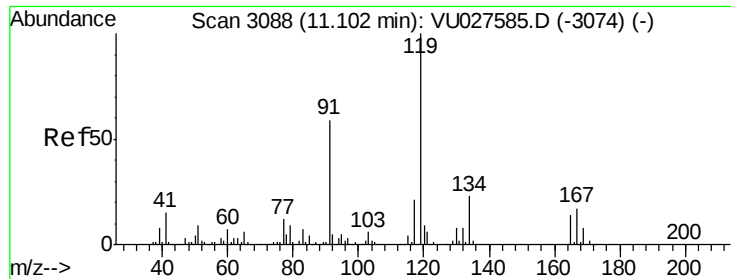
126 27.6 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU027604.D (-2892) (-)

Ion 125.90 (125.60 to 126.60): VU027604.D (-2892) (-)

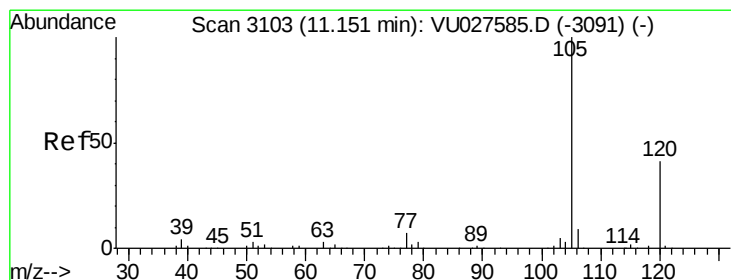
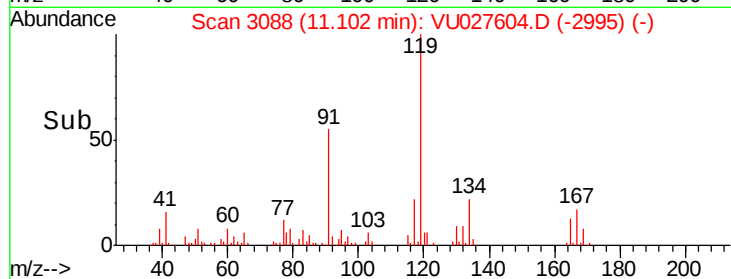
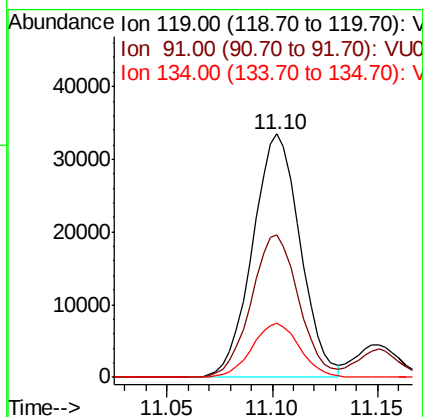
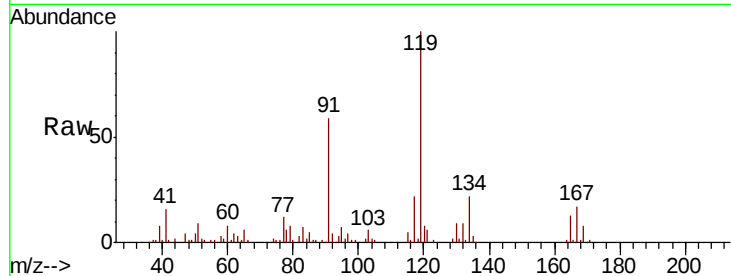




#83
 tert-Butylbenzene
 Concen: 10.769 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

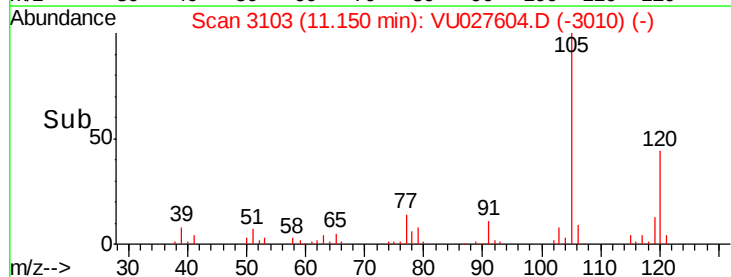
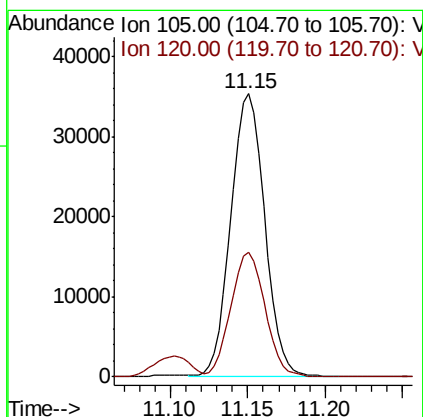
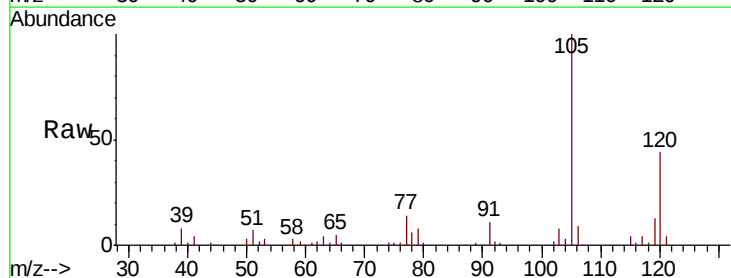
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

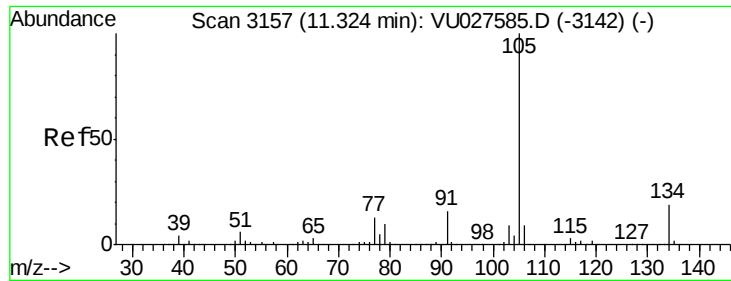
Tgt Ion:119 Resp: 52547
 Ion Ratio Lower Upper
 119 100
 91 58.6 30.3 91.0
 134 22.2 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 9.810 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion:105 Resp: 53498
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 10.035 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

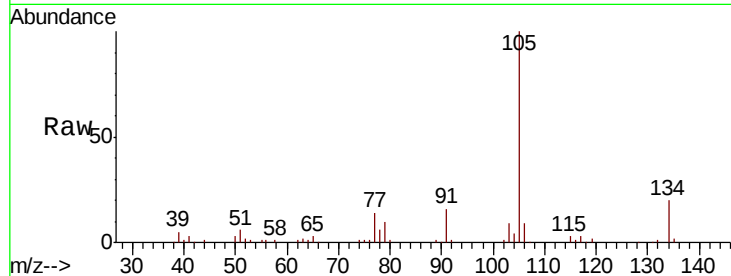
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 63096

Ion Ratio Lower Upper

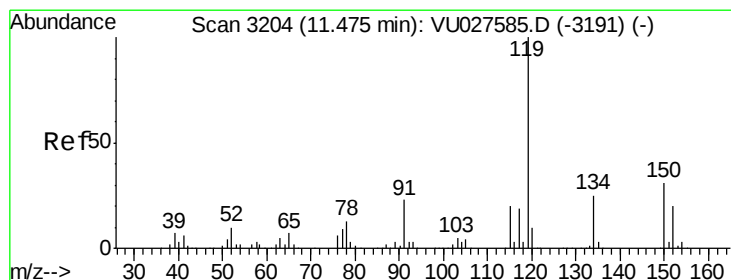
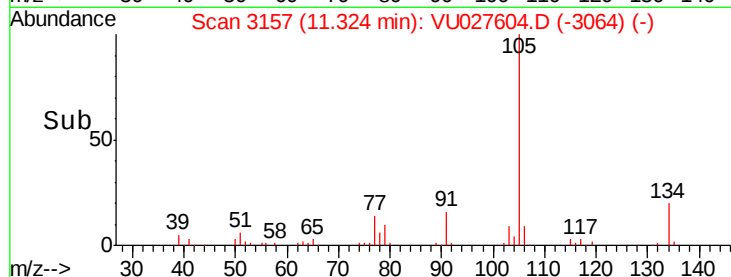
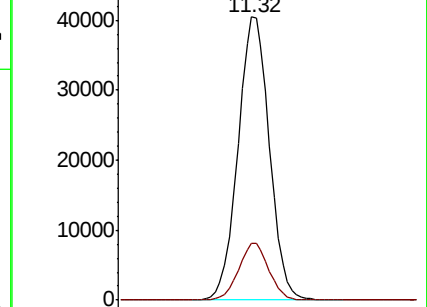
105 100

134 19.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.957 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027604.D

Acq: 11 Oct 2018 17:17

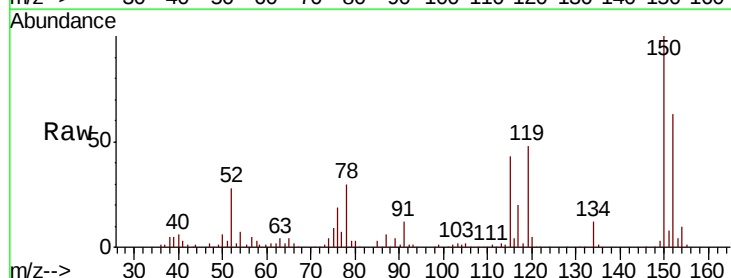
Tgt Ion:119 Resp: 53554

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

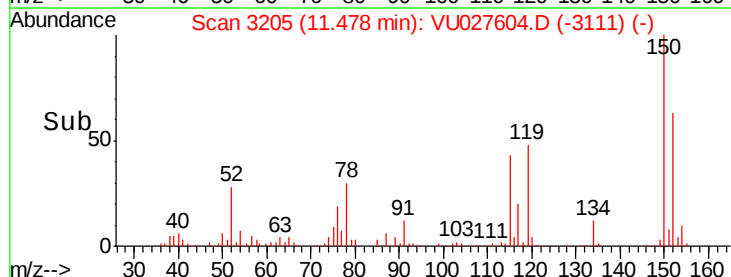
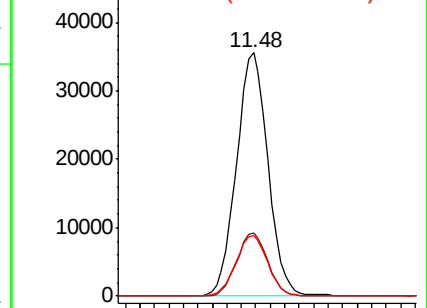
91 25.1 12.2 36.4

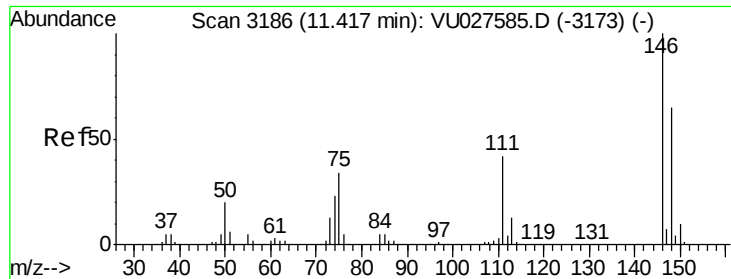


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

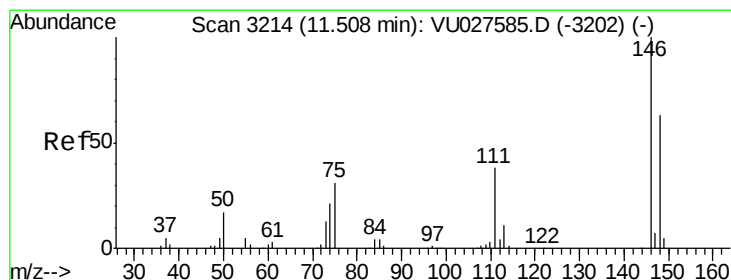
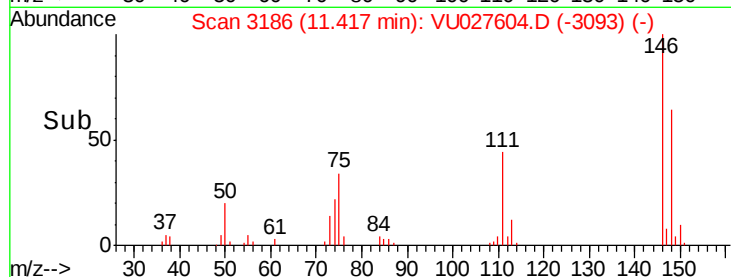
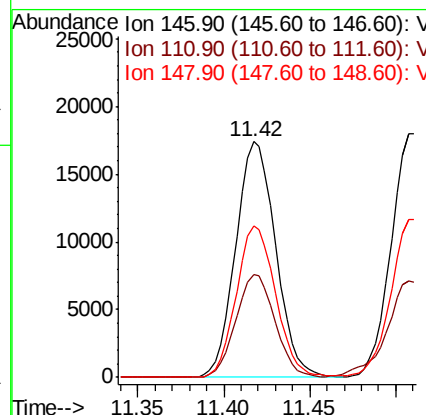
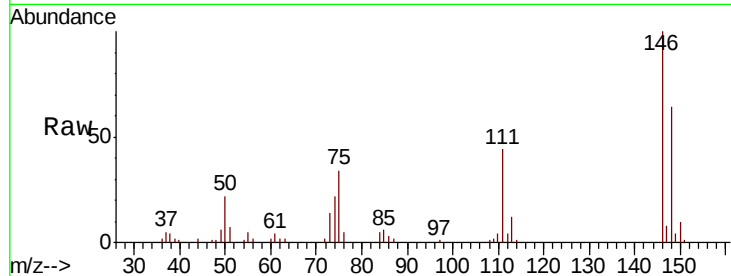




#87
 1,3-Dichlorobenzene
 Concen: 10.332 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

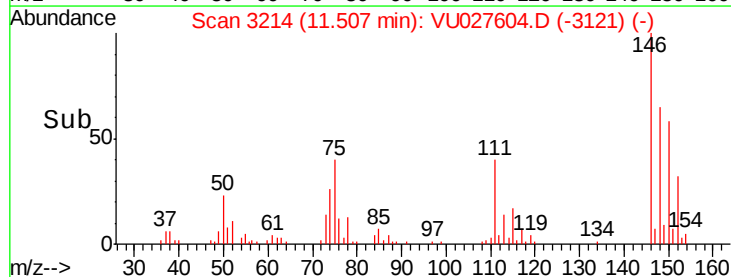
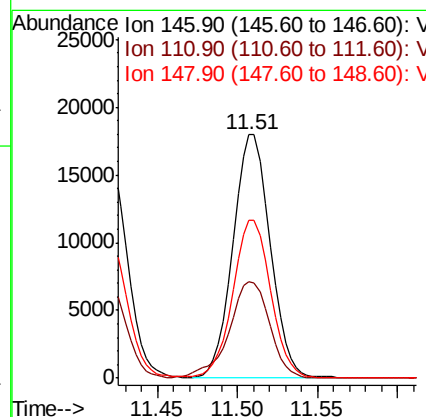
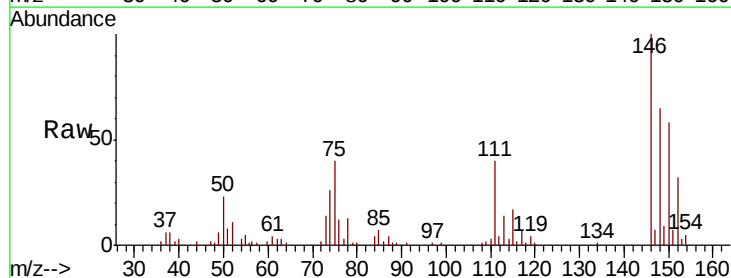
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

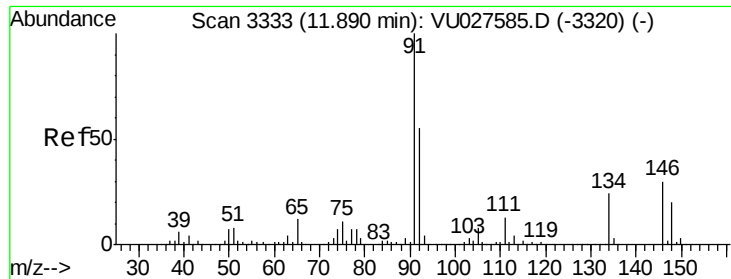
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.5
148	63.2	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 9.928 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.4	61.2
148	66.0	31.9	95.5

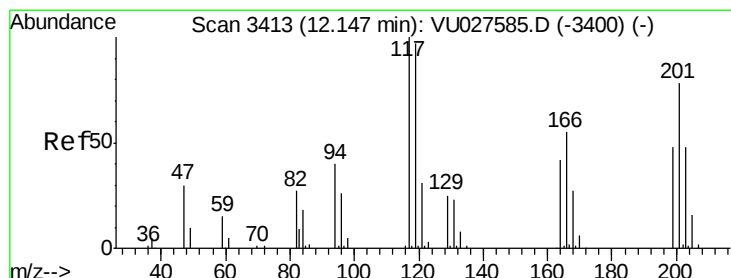
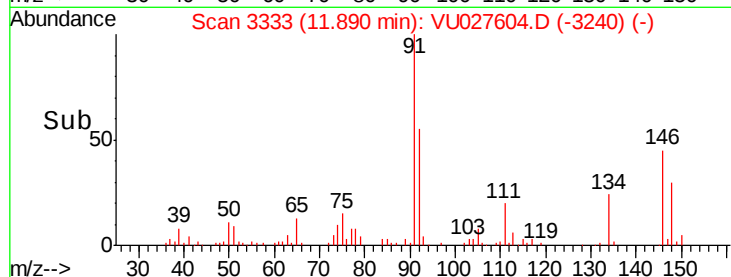
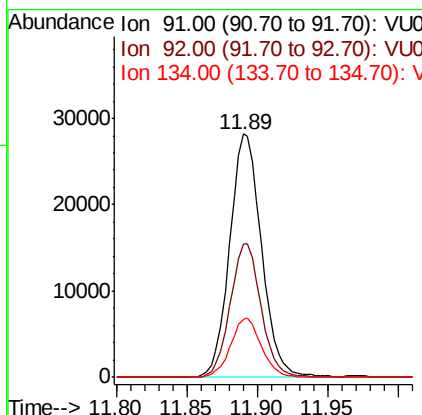
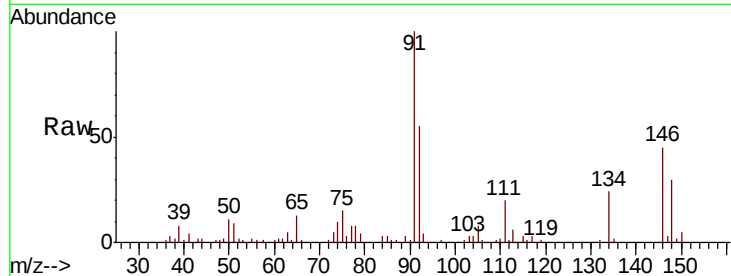




#89
n-Butylbenzene
Concen: 9.633 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

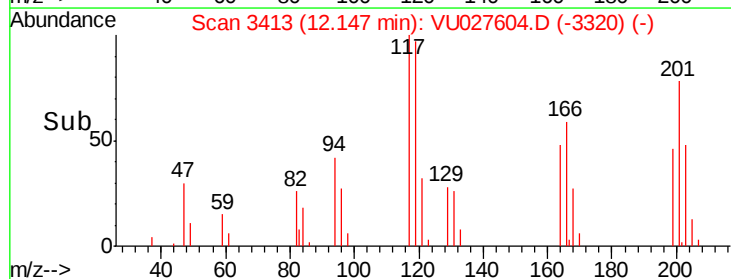
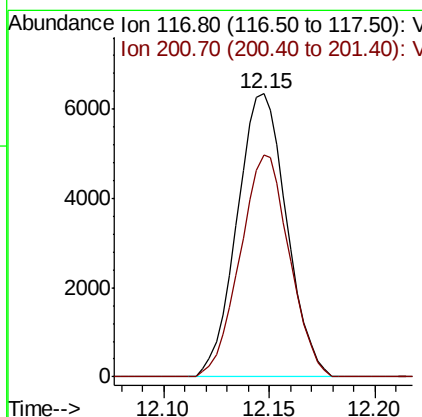
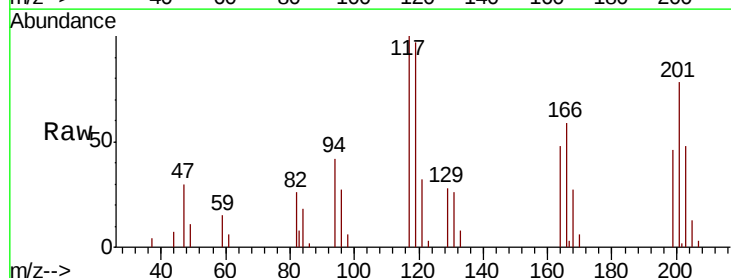
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

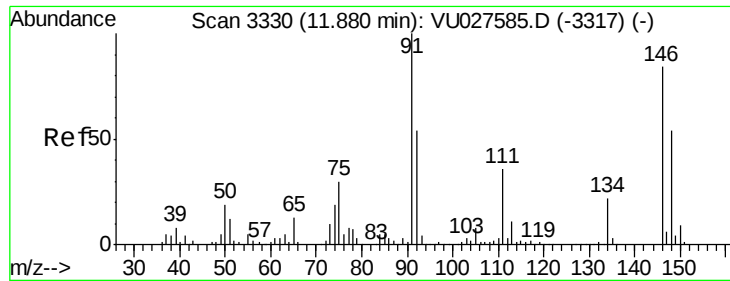
Tgt Ion: 91 Resp: 44505
Ion Ratio Lower Upper
91 100
92 53.1 27.0 81.0
134 23.4 11.7 35.1



#90
Hexachloroethane
Concen: 10.528 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion: 117 Resp: 10394
Ion Ratio Lower Upper
117 100
201 77.7 37.9 113.6

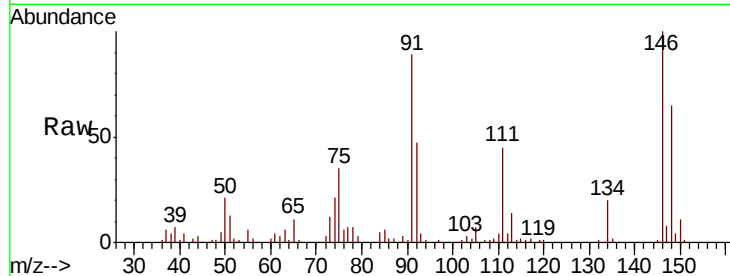




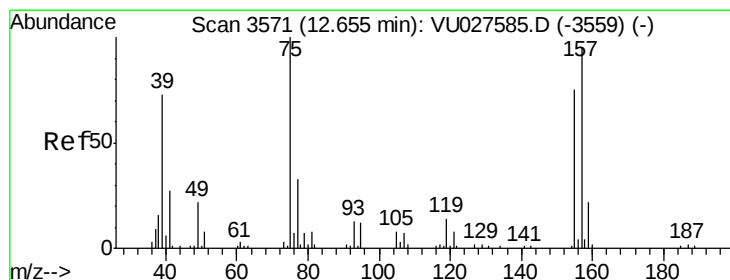
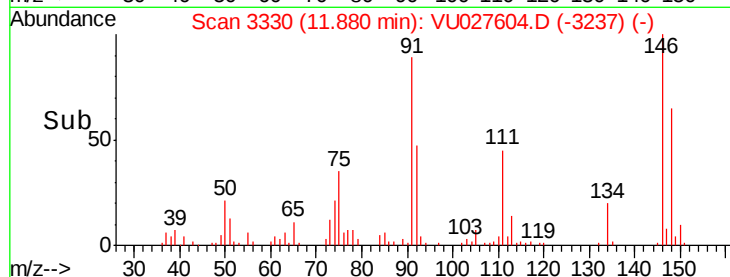
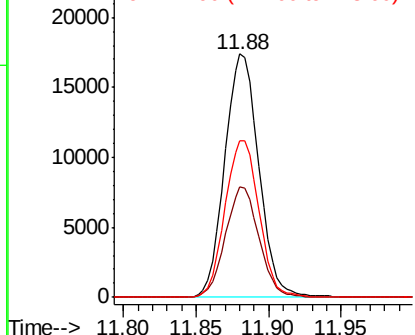
#91
 1,2-Dichlorobenzene
 Concen: 10.371 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

Tgt Ion: 146 Resp: 28407
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.8 65.4
 148 64.1 31.9 95.5

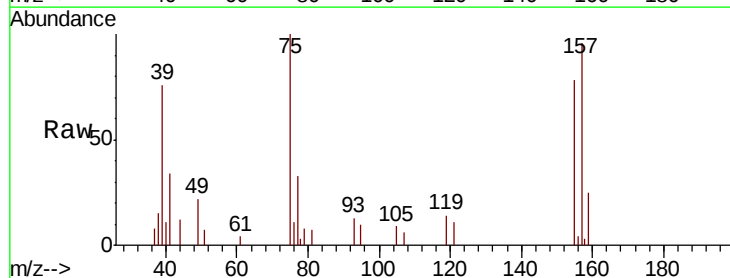


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

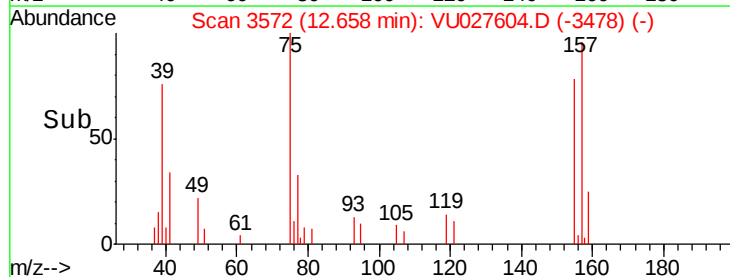
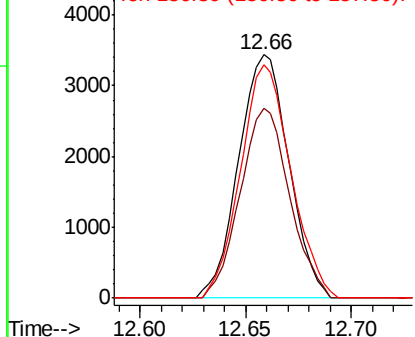


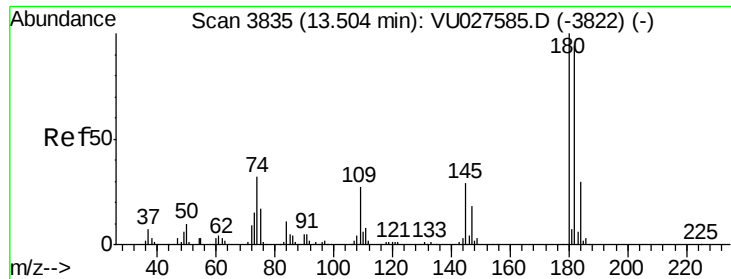
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.127 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion: 75 Resp: 5688
 Ion Ratio Lower Upper
 75 100
 155 76.7 35.9 107.8
 157 96.1 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

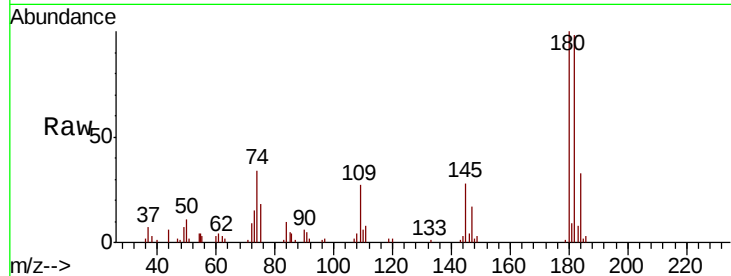




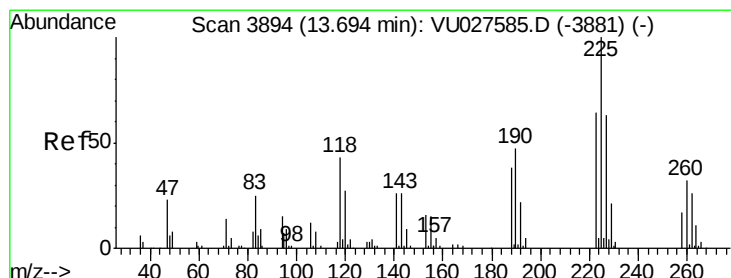
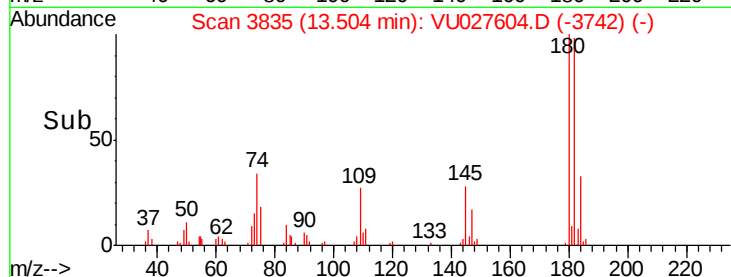
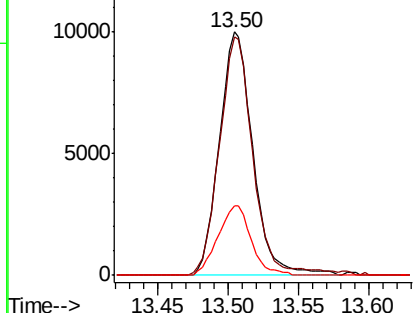
#93
 1,2,4-Trichlorobenzene
 Concen: 10.055 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.4	142.3
145	28.2	14.6	44.0

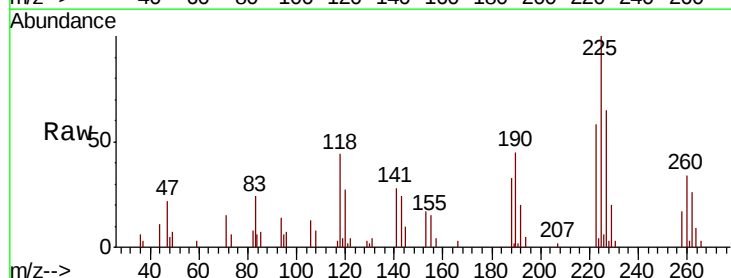


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

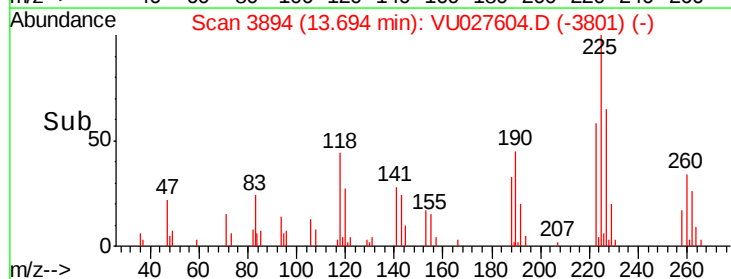
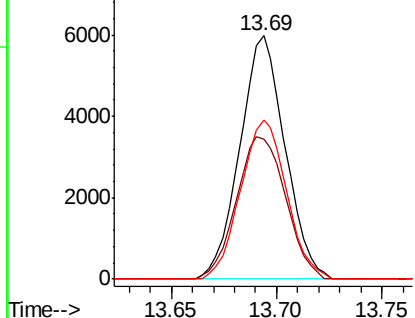


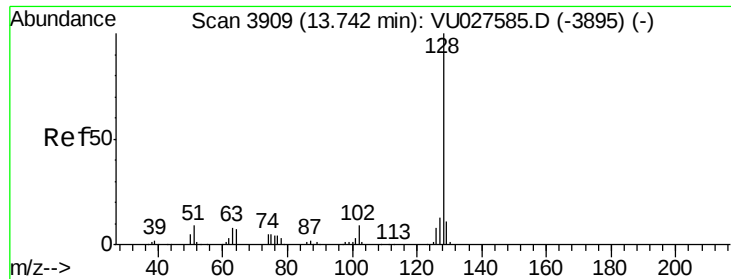
#94
 Hexachlorobutadiene
 Concen: 10.127 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027604.D
 Acq: 11 Oct 2018 17:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.8	95.3
227	66.4	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

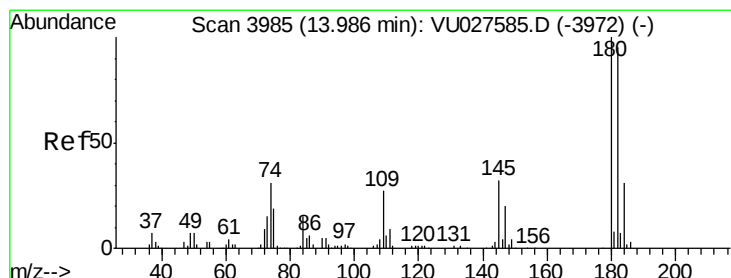
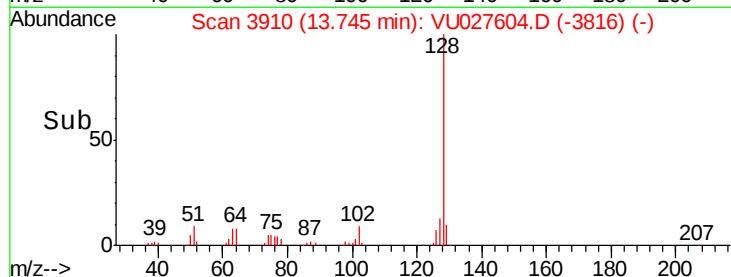
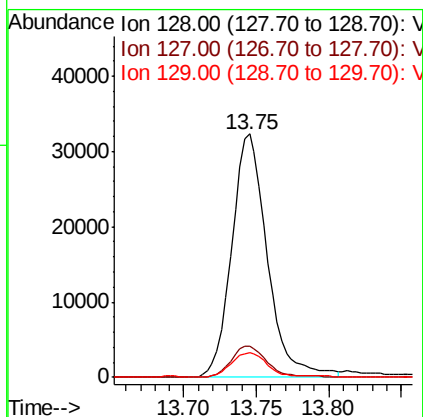
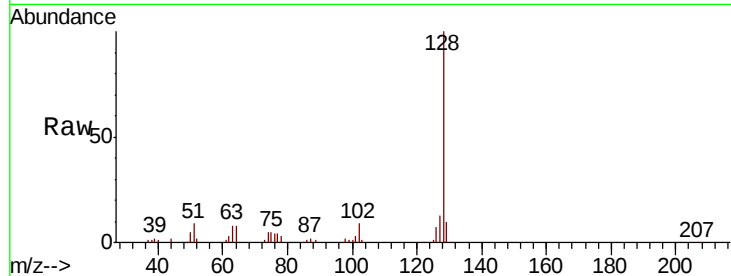




#95
Naphthalene
Concen: 9.418 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

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

Tgt Ion:128 Resp: 54965
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 10.115 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027604.D
Acq: 11 Oct 2018 17:17

Tgt Ion:180 Resp: 18244
Ion Ratio Lower Upper
180 100
182 93.2 47.4 142.2
145 30.9 15.9 47.7

