

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025677.D
 Acq On : 27 Jul 2018 18:25
 Operator : MD/SY
 Sample : J3762-08 LOO 2.0PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 28 03:41:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	247911	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	235936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132826	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	4.89	113	106449	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	7.57	98	373886	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	10.31	95	137691	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	3981	1.62	ug/l	98
3) Chloromethane	1.33	50	4734	2.01	ug/l	92
4) Vinyl Chloride	1.40	62	4653	2.10	ug/l	95
5) Bromomethane	1.63	94	2692	2.49	ug/l #	73
6) Chloroethane	1.70	64	2645	2.04	ug/l	92
7) Trichlorofluoromethane	1.89	101	6583	2.06	ug/l	93
8) Diethyl Ether	2.10	74	2296	1.98	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3973	2.14	ug/l	94
10) Methyl Iodide	2.41	142	1533	9.33	ug/l	89
11) Tert butyl alcohol	2.83	59	7129	12.83	ug/l	95
12) 1,1-Dichloroethene	2.28	96	3227	1.84	ug/l #	89
13) Acrolein	2.19	56	66	Below	Cal #	52
14) Allyl chloride	2.59	41	6200	1.97	ug/l	95
15) Acrylonitrile	2.94	53	12316	11.10	ug/l	97
16) Acetone	2.32	43	12156	9.82	ug/l	95
17) Carbon Disulfide	2.48	76	11745	2.07	ug/l #	93
18) Methyl Acetate	2.62	43	5937	1.99	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	13203	2.08	ug/l	93
20) Methylene Chloride	2.71	84	4441	2.02	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	4055	2.00	ug/l	97
22) Diisopropyl ether	3.58	45	12602	2.03	ug/l	98
23) Vinyl Acetate	3.53	43	56411	10.45	ug/l	98
24) 1,1-Dichloroethane	3.45	63	7846	2.11	ug/l #	92
25) 2-Butanone	4.27	43	18133	10.76	ug/l	97
26) 2,2-Dichloropropane	4.22	77	6462	1.91	ug/l	95
27) cis-1,2-Dichloroethene	4.24	96	4687	2.06	ug/l	95
28) Bromochloromethane	4.55	49	3332	2.00	ug/l #	98
29) Tetrahydrofuran	4.65	42	10938	10.83	ug/l #	81
30) Chloroform	4.68	83	8211	2.09	ug/l	94
31) Cyclohexane	5.00	56	9640	1.67	ug/l #	74
32) 1,1,1-Trichloroethane	4.92	97	7218	2.04	ug/l	98
36) 1,1-Dichloropropene	5.14	75	5753	1.99	ug/l	96
37) Ethyl Acetate	4.38	43	6574	2.19	ug/l	96
38) Carbon Tetrachloride	5.14	117	6069	1.85	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	6689	2.02	ug/l	96
40) Benzene	5.39	78	17006	2.01	ug/l	93
41) Methacrylonitrile	4.55	41	3727	2.23	ug/l	96
42) 1,2-Dichloroethane	5.41	62	6467	1.98	ug/l	94
43) Isopropyl Acetate	5.55	43	10295	2.07	ug/l	99
44) Trichloroethene	6.19	130	5085	2.16	ug/l	93
45) 1,2-Dichloropropane	6.44	63	4269	1.93	ug/l	98
46) Dibromomethane	6.56	93	3292	2.06	ug/l	93
47) Bromodichloromethane	6.76	83	5849	1.92	ug/l	98
48) Methyl methacrylate	6.63	41	4894	2.01	ug/l	96
49) 1,4-Dioxane	6.62	88	2565	43.32	ug/l #	91
51) 4-Methyl-2-Pentanone	7.46	43	32187	10.36	ug/l	97
52) Toluene	7.64	92	10441	1.98	ug/l	94
53) t-1,3-Dichloropropene	7.89	75	6310	1.84	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	6540	1.86	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	4244	1.94	ug/l	94
56) Ethyl methacrylate	8.02	69	5821	1.86	ug/l	99
57) 1,3-Dichloropropane	8.25	76	7324	1.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	11645	15.08	ug/l	98
59) 2-Hexanone	8.36	43	23683	9.72	ug/l	98
60) Dibromochloromethane	8.48	129	4646	1.80	ug/l	99
61) 1,2-Dibromoethane	8.59	107	4626	1.90	ug/l	92
64) Tetrachloroethene	8.23	164	4503	2.17	ug/l	91
65) Chlorobenzene	9.12	112	12069	1.98	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	4179	1.90	ug/l	96
67) Ethyl Benzene	9.25	91	20091	1.99	ug/l	97
68) m/p-Xylenes	9.38	106	15127	3.91	ug/l	96
69) o-Xylene	9.78	106	7134	1.89	ug/l	100
70) Styrene	9.80	104	11758	1.93	ug/l	98
71) Bromoform	9.96	173	3224	1.69	ug/l #	93
73) Isopropylbenzene	10.17	105	19867	2.08	ug/l	97
74) N-amyl acetate	10.01	43	7898	2.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	6739	2.04	ug/l	94
76) 1,2,3-Trichloropropane	10.50	75	7731	2.51	ug/l	89
77) Bromobenzene	10.46	156	5348	2.03	ug/l	92
78) n-propylbenzene	10.59	91	23082	2.07	ug/l	100
79) 2-Chlorotoluene	10.66	91	13728	2.11	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	15951	1.97	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.50	75	7731	6.30	ug/l #	100
82) 4-Chlorotoluene	10.78	91	16477	2.14	ug/l	97
83) tert-Butylbenzene	11.10	119	15507	1.93	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	16503	2.01	ug/l	97
85) sec-Butylbenzene	11.33	105	19587	1.99	ug/l	99
86) p-Isopropyltoluene	11.48	119	17395	1.98	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	10119	2.07	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	10934	2.15	ug/l	90
89) n-Butylbenzene	11.90	91	15309	1.89	ug/l	99
90) Hexachloroethane	12.15	117	2794	1.79	ug/l	100
91) 1,2-Dichlorobenzene	11.89	146	10201	2.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1545	1.98	ug/l	95

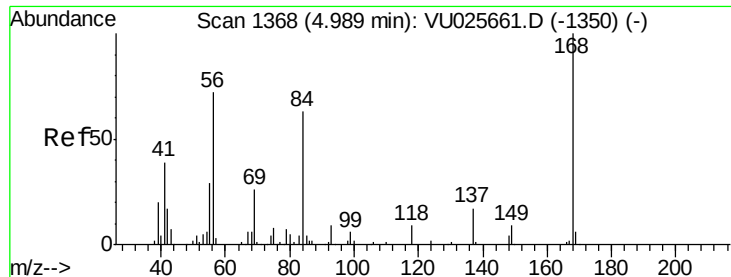
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	6569	2.03	ug/l	99
94) Hexachlorobutadiene	13.70	225	3742	2.20	ug/l	97
95) Naphthalene	13.75	128	17815	2.92	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	6190	1.92	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

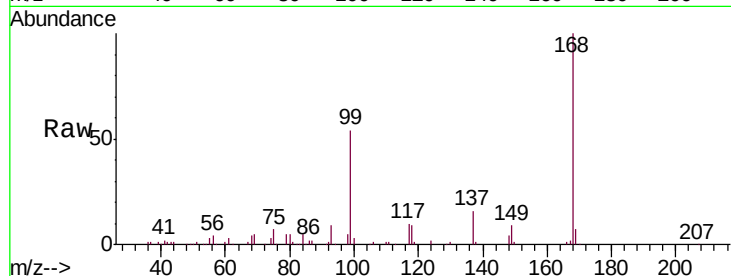
LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 162949

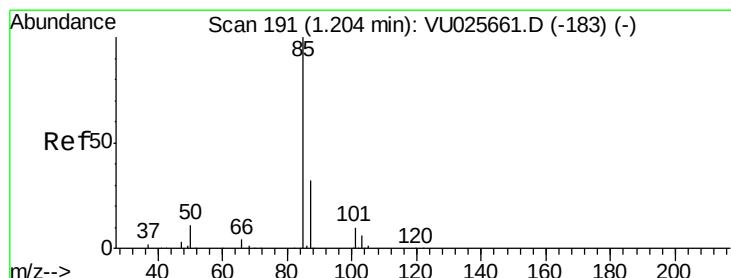
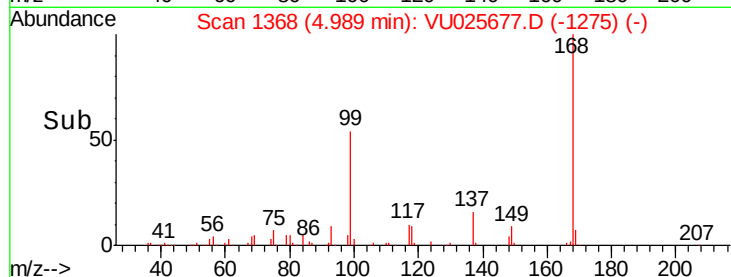
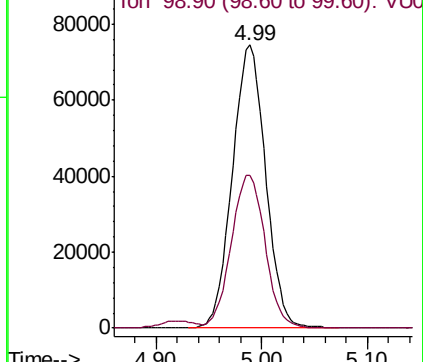
Ion Ratio Lower Upper

168 100

99 53.8 42.8 64.2



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



#2

Dichlorodifluoromethane

Concen: 1.62 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025677.D

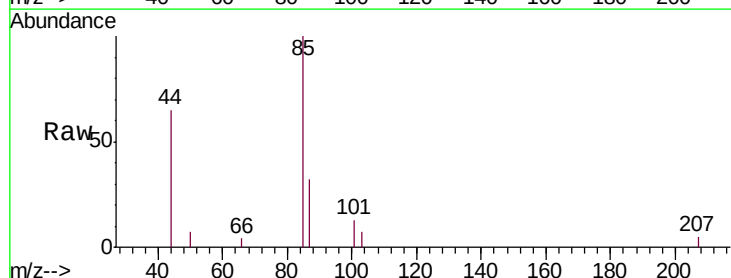
Acq: 27 Jul 2018 18:25

Tgt Ion: 85 Resp: 3981

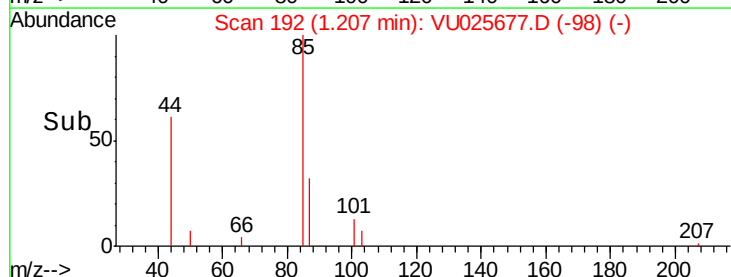
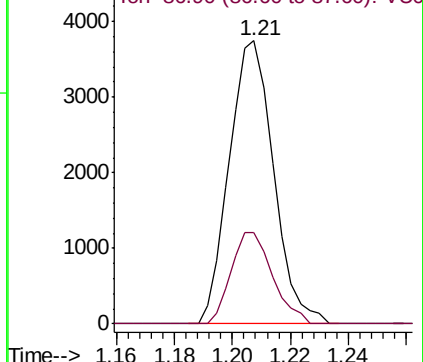
Ion Ratio Lower Upper

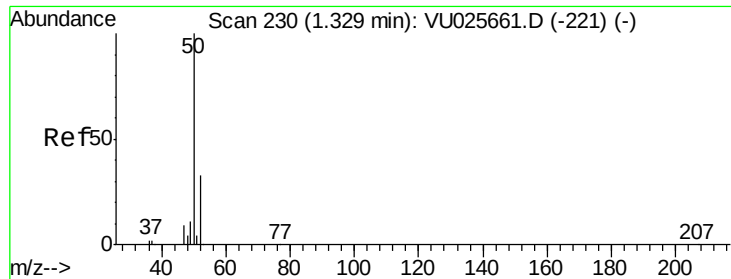
85 100

87 32.1 16.5 49.5



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

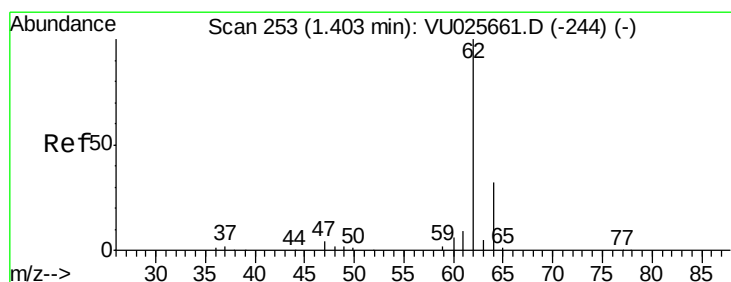
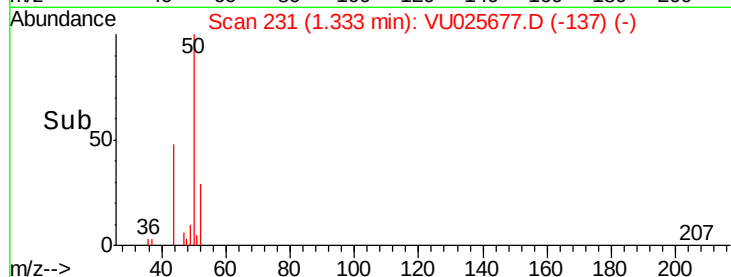
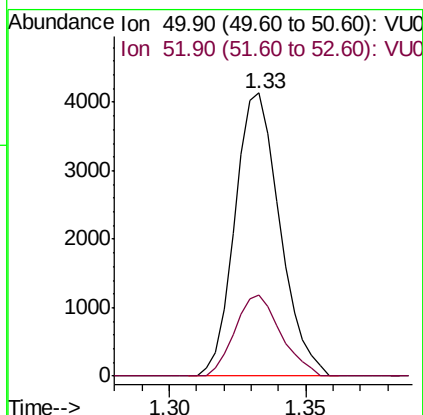
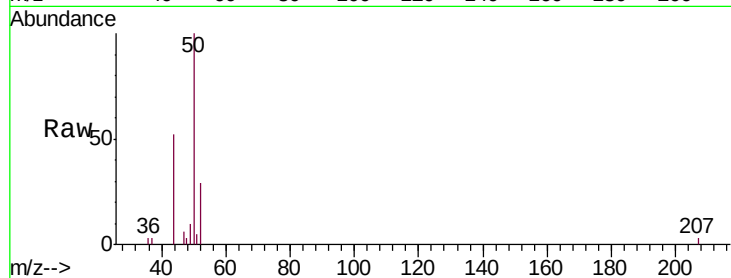




#3
Chloromethane
Concen: 2.01 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

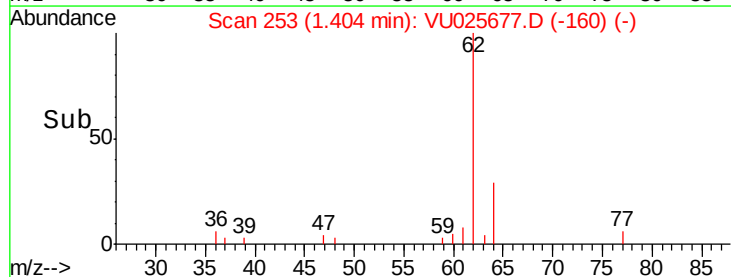
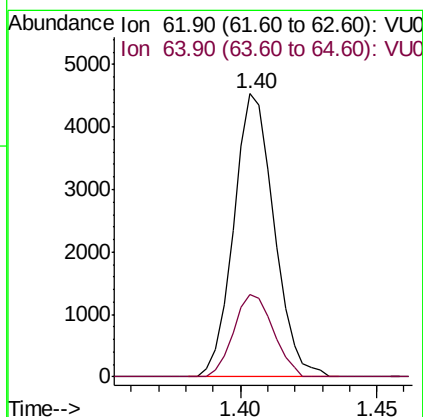
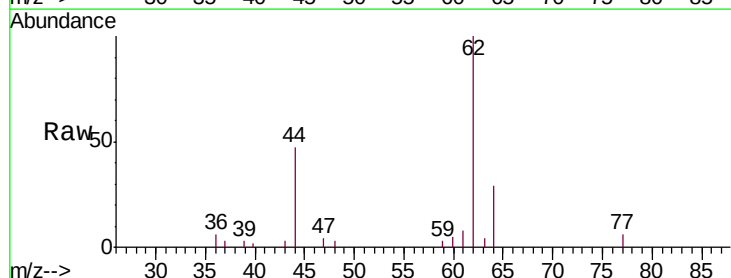
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

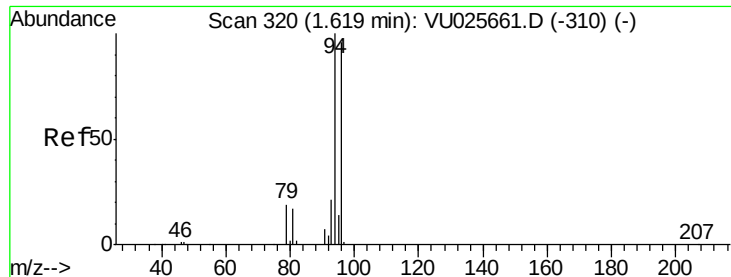
Tot Ion: 50 Resp: 4734
Ion Ratio Lower Upper
50 100
52 28.6 26.5 39.7



#4
Vinyl Chloride
Concen: 2.10 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 62 Resp: 4653
Ion Ratio Lower Upper
62 100
64 29.1 25.4 38.0





#5

Bromomethane

Concen: 2.49 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

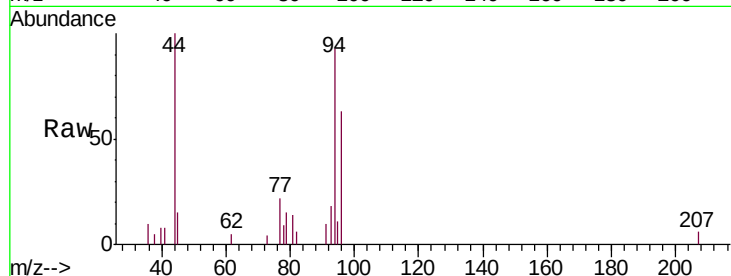
LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 2692

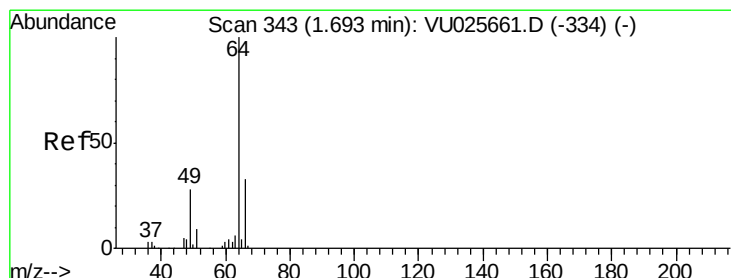
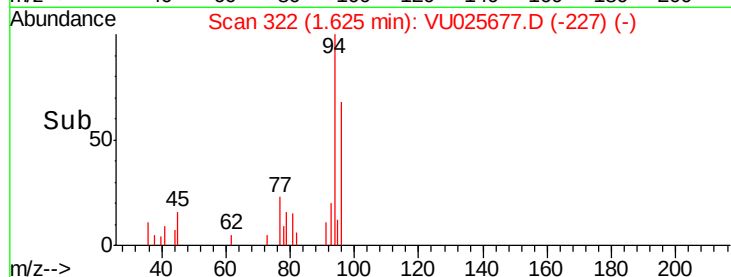
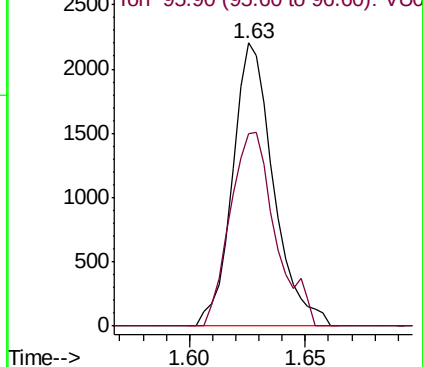
Ion Ratio Lower Upper

94 100

96 67.9 75.0 112.4#



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



#6

Chloroethane

Concen: 2.04 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025677.D

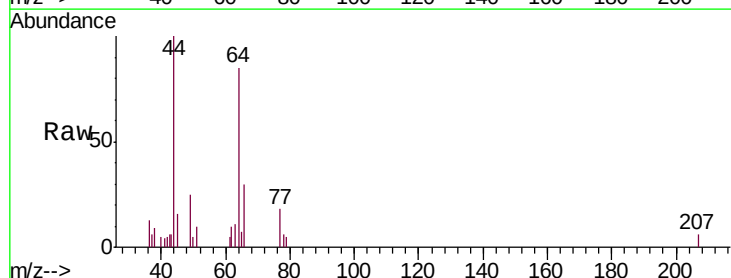
Acq: 27 Jul 2018 18:25

Tgt Ion: 64 Resp: 2645

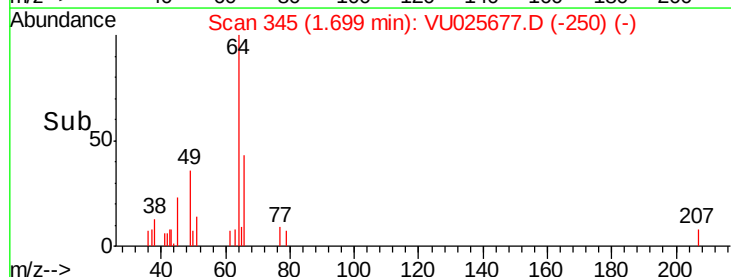
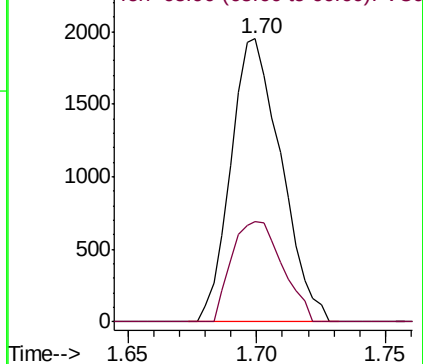
Ion Ratio Lower Upper

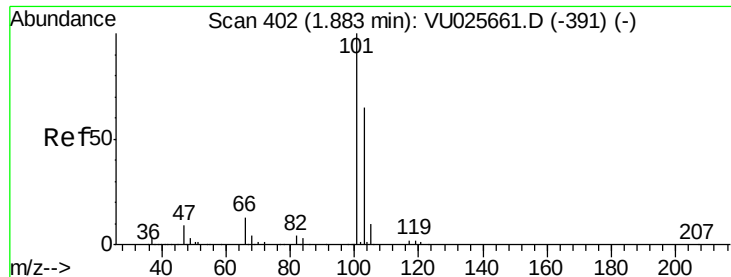
64 100

66 35.6 25.0 37.4



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





#7

Trichlorofluoromethane

Concen: 2.06 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

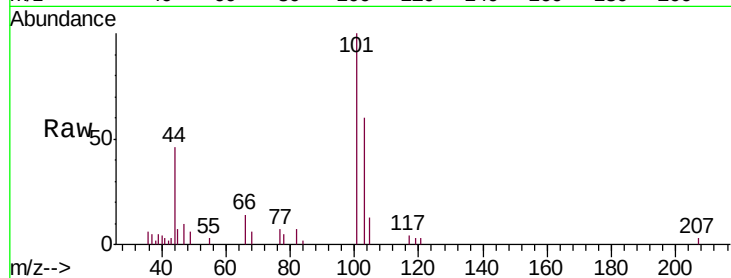
LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 6583

Ion Ratio Lower Upper

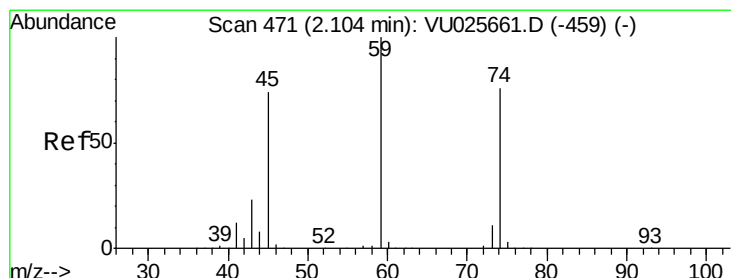
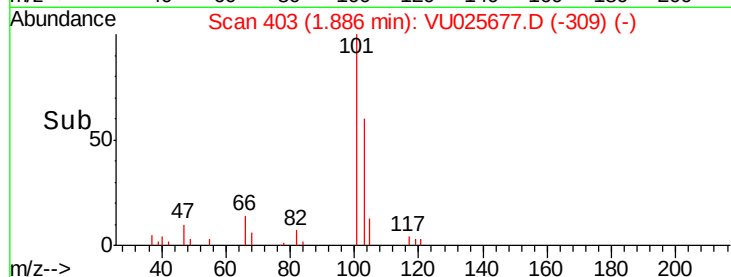
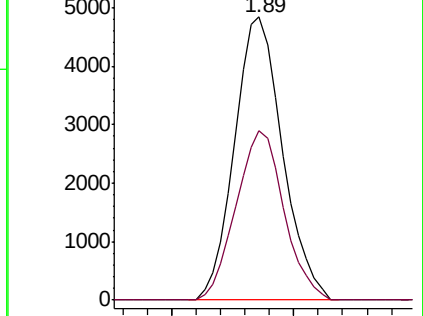
101 100

103 59.7 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.98 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025677.D

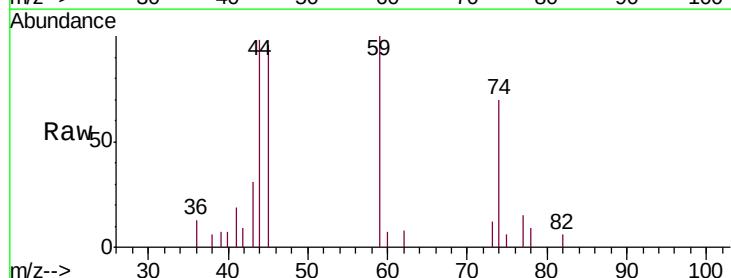
Acq: 27 Jul 2018 18:25

Tgt Ion: 74 Resp: 2296

Ion Ratio Lower Upper

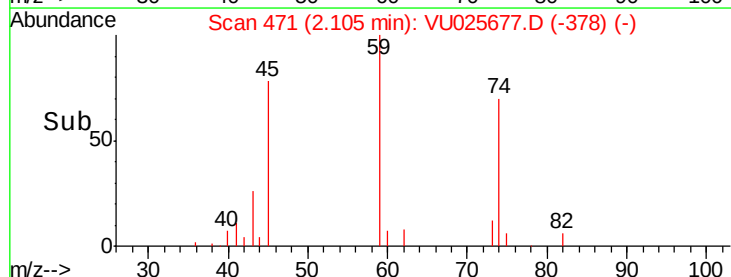
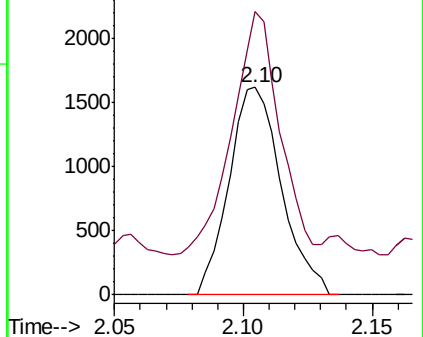
74 100

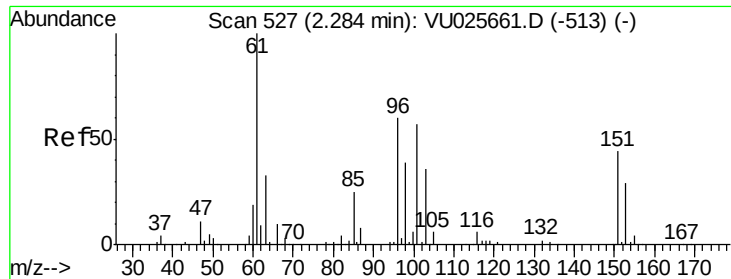
45 106.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.14 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

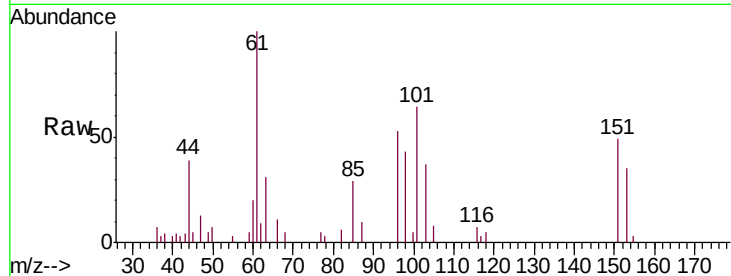
Tot Ion:101 Resp: 3973

Ion Ratio Lower Upper

101 100

85 50.7 36.0 54.0

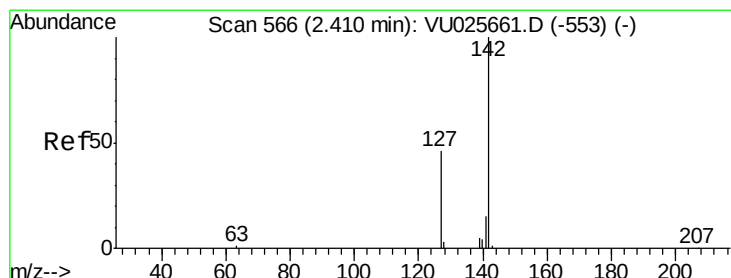
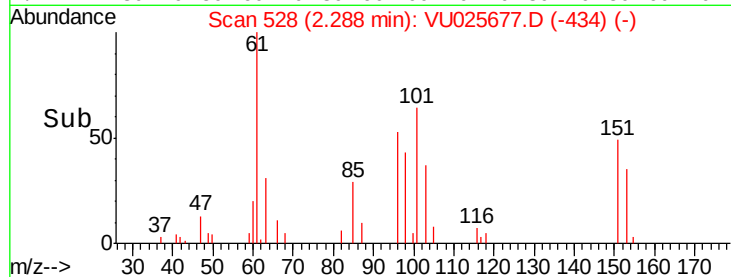
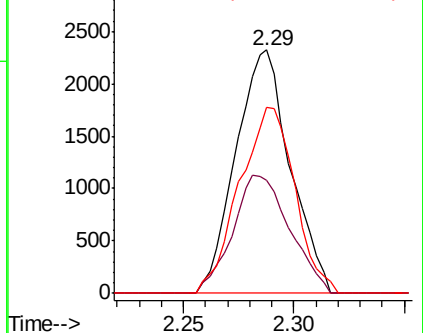
151 77.9 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.33 ug/l

RT: 2.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

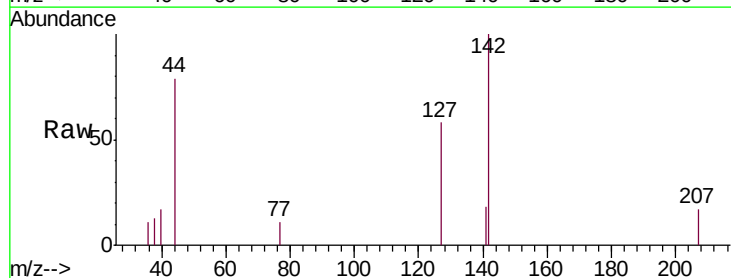
Tgt Ion:142 Resp: 1533

Ion Ratio Lower Upper

142 100

127 53.9 36.5 54.7

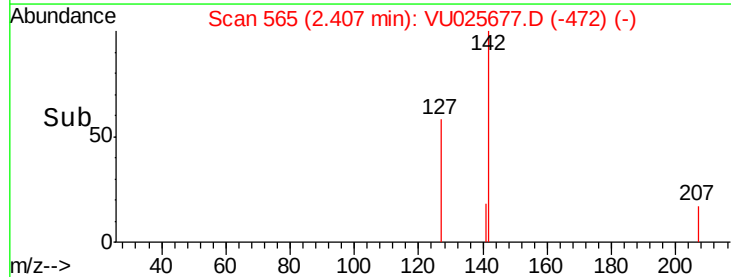
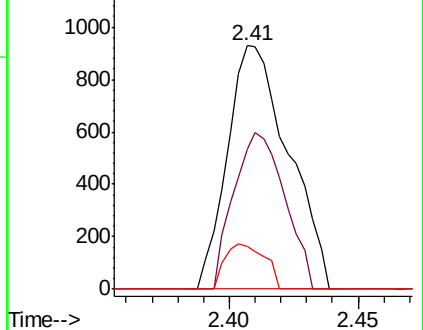
141 12.1 11.4 17.2

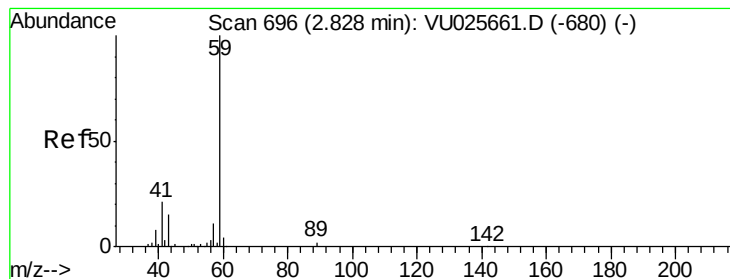


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



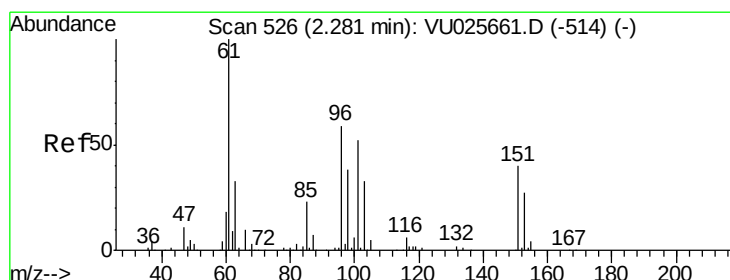
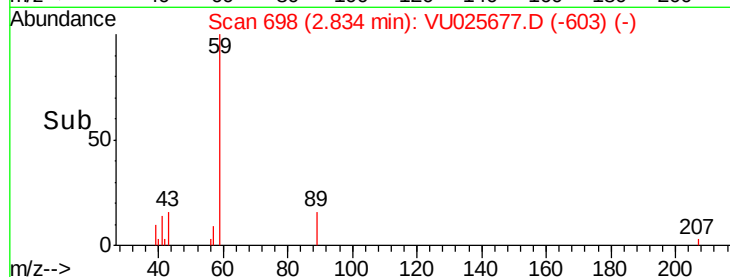
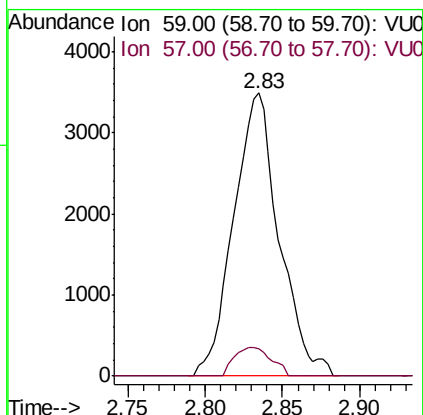
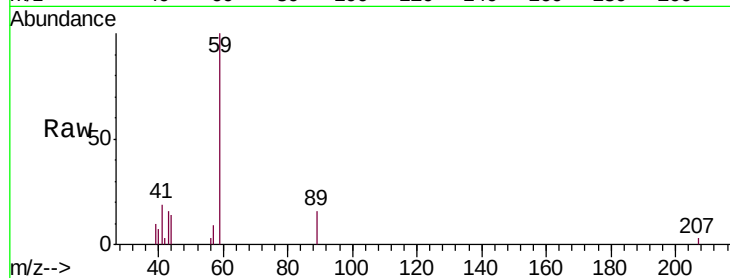


#11

Tert butyl alcohol
 Concen: 12.83 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

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

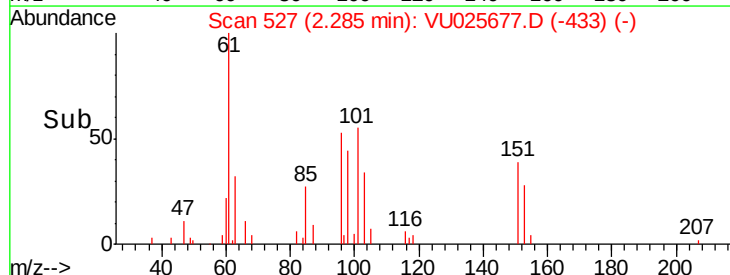
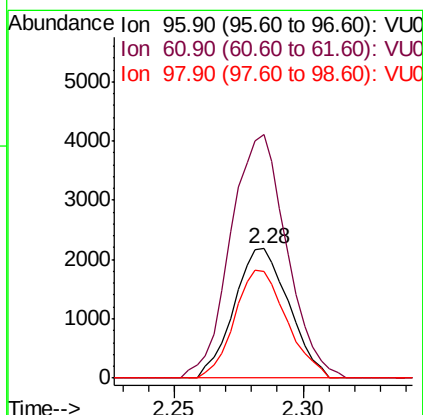
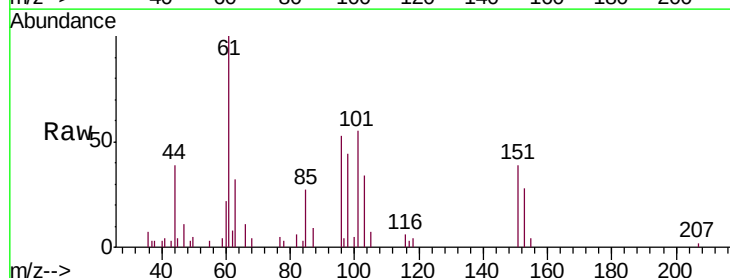
Tot Ion: 59 Resp: 7129
 Ion Ratio Lower Upper
 59 100
 57 8.2 8.2 12.2

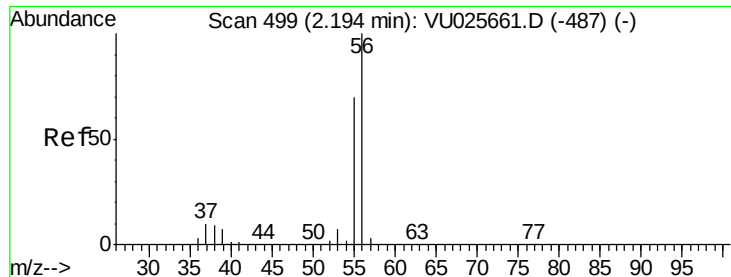


#12

1,1-Dichloroethene
 Concen: 1.84 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 96 Resp: 3227
 Ion Ratio Lower Upper
 96 100
 61 183.6 140.2 210.4
 98 82.2 49.3 73.9#





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

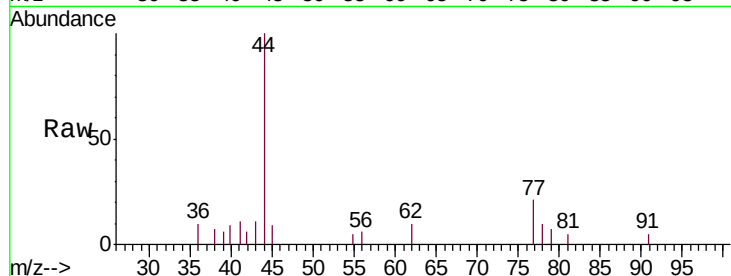
LOQ-WATER-02-QT3-2018

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

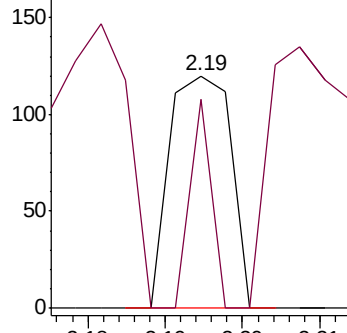
56 100

55 31.8 57.2 85.8#

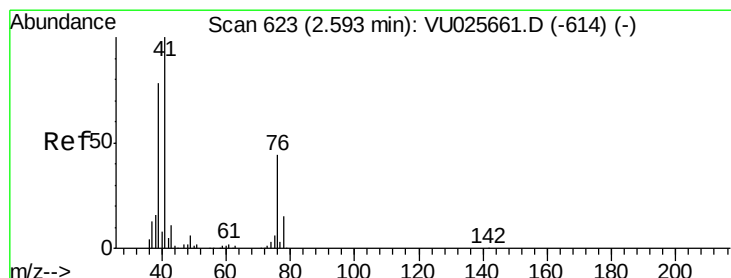
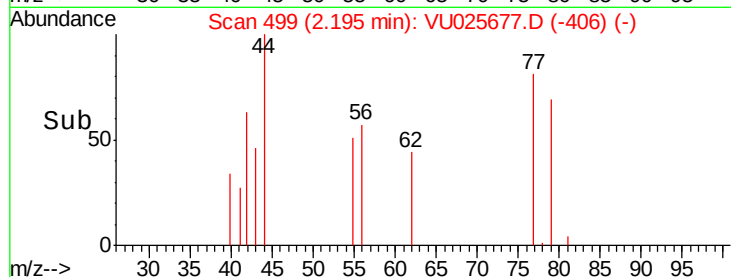


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 1.97 ug/l

RT: 2.59 min Scan# 622

Delta R.T. -0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

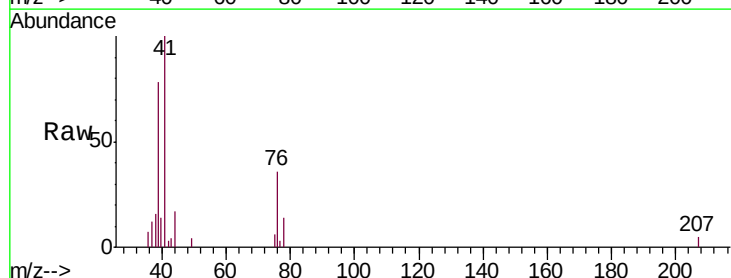
Tgt Ion: 41 Resp: 6200

Ion Ratio Lower Upper

41 100

39 79.8 60.6 91.0

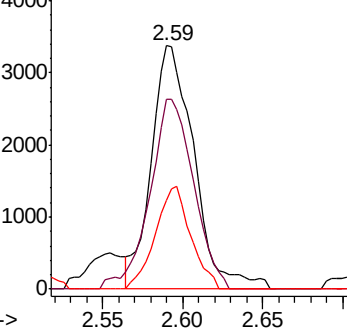
76 34.8 30.5 45.7



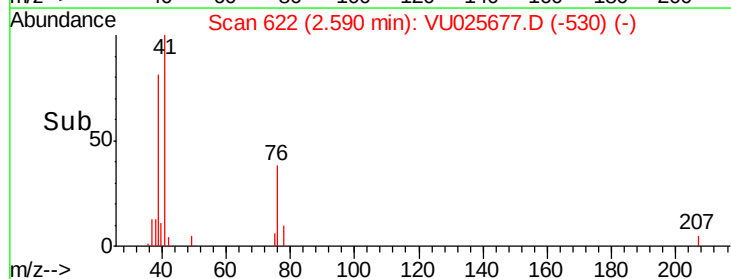
Abundance Ion 41.00 (40.70 to 41.70): VU0

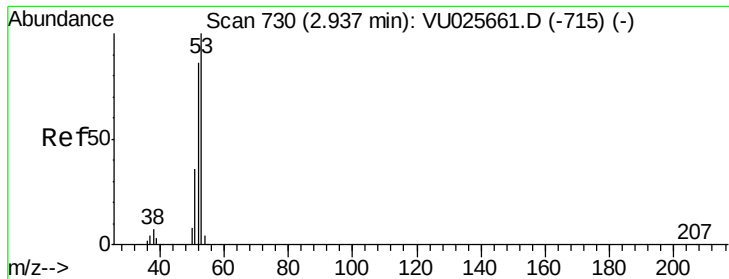
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#15

Acrylonitrile

Concen: 11.10 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

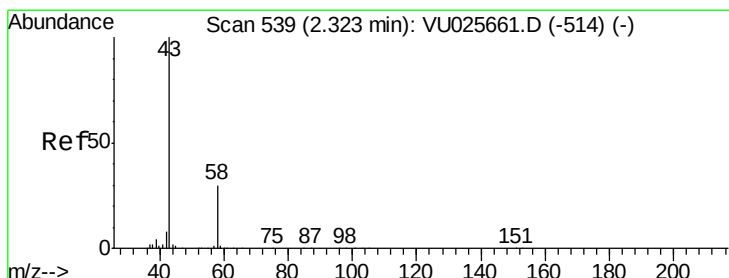
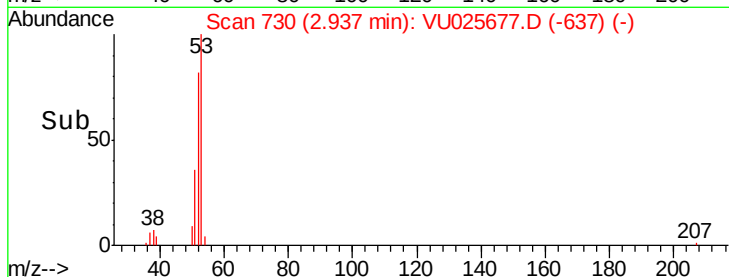
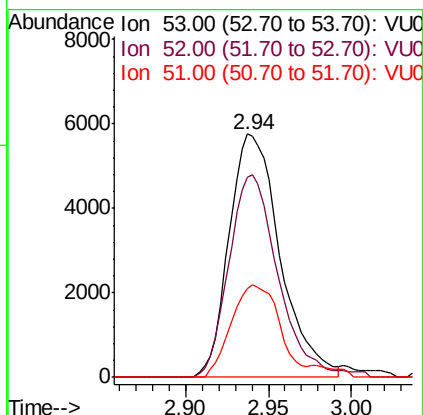
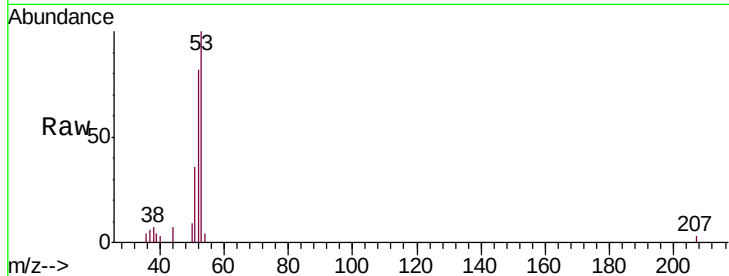
Tot Ion: 53 Resp: 12316

Ion Ratio Lower Upper

53 100

52 80.6 66.6 99.8

51 38.4 29.4 44.2



#16

Acetone

Concen: 9.82 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025677.D

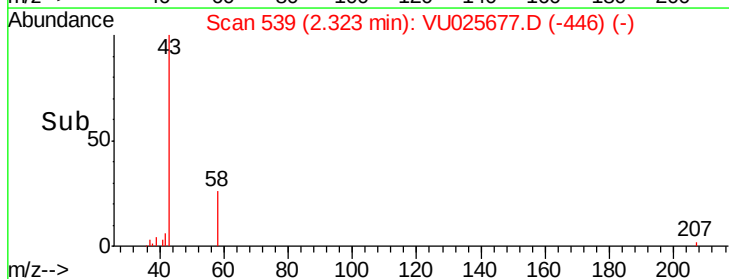
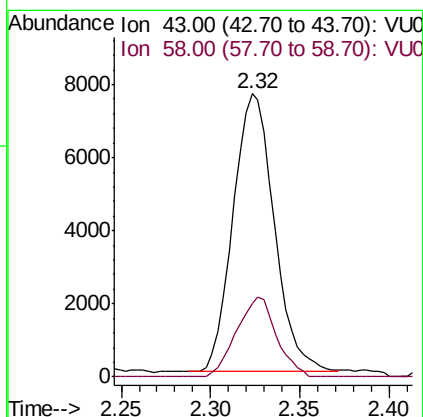
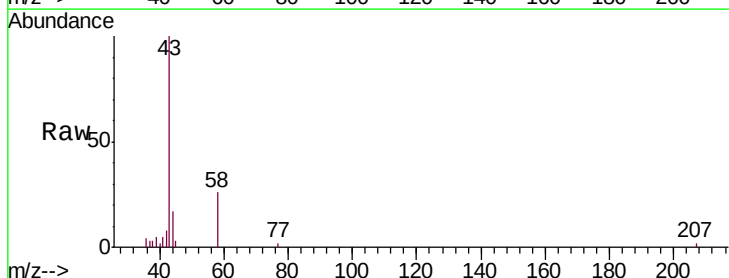
Acq: 27 Jul 2018 18:25

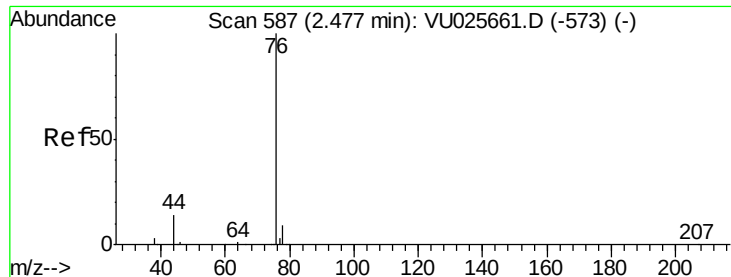
Tgt Ion: 43 Resp: 12156

Ion Ratio Lower Upper

43 100

58 26.3 23.1 34.7





#17

Carbon Disulfide

Concen: 2.07 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

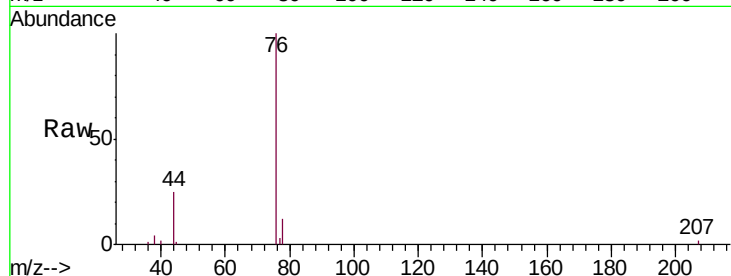
LOQ-WATER-02-QT3-2018

Tot Ion: 76 Resp: 11745

Ion Ratio Lower Upper

76 100

78 11.8 7.4 11.2#



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

Ion 77.90 (77.60 to 78.60): VU025677.D (-494) (-)

2.48

8000

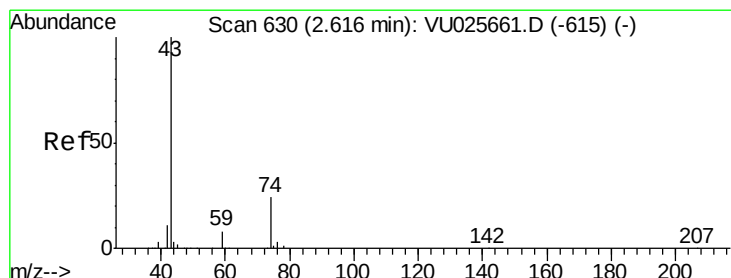
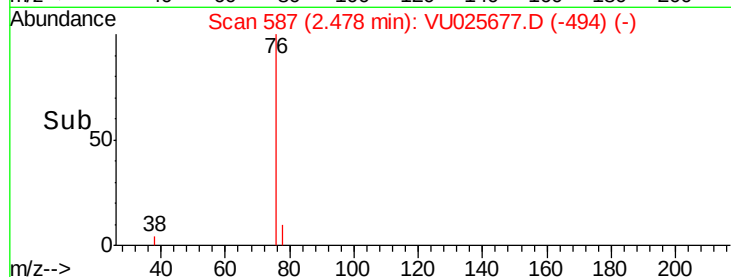
6000

4000

2000

0

Time--> 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 1.99 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025677.D

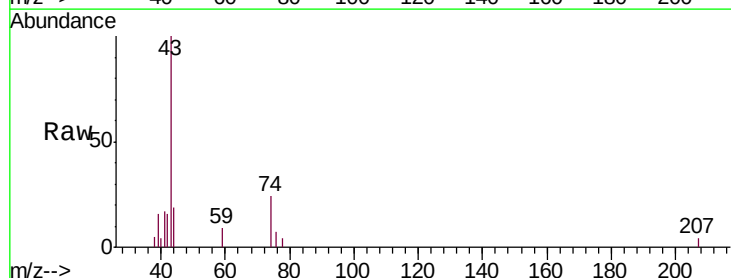
Acq: 27 Jul 2018 18:25

Tgt Ion: 43 Resp: 5937

Ion Ratio Lower Upper

43 100

74 23.2 18.5 27.7



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

Ion 74.00 (73.70 to 74.70): VU025677.D (-537) (-)

2.62

4000

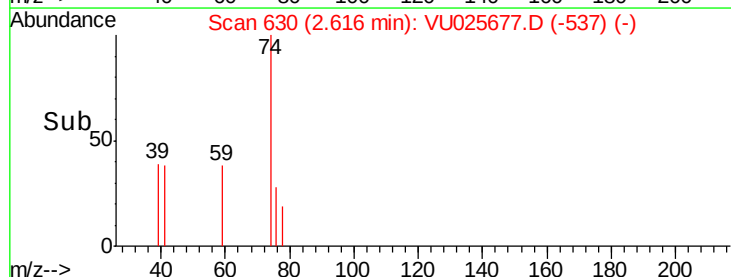
3000

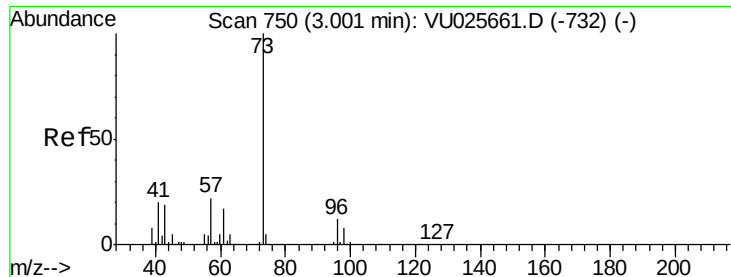
2000

1000

0

Time--> 2.55 2.60 2.65

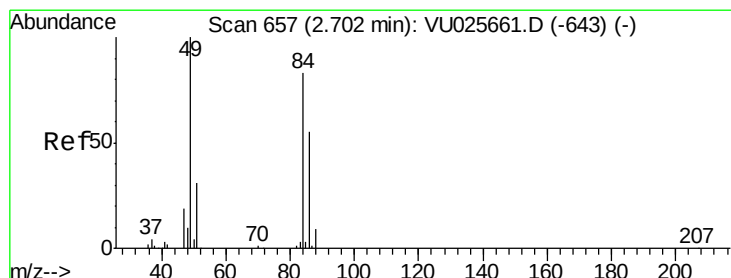
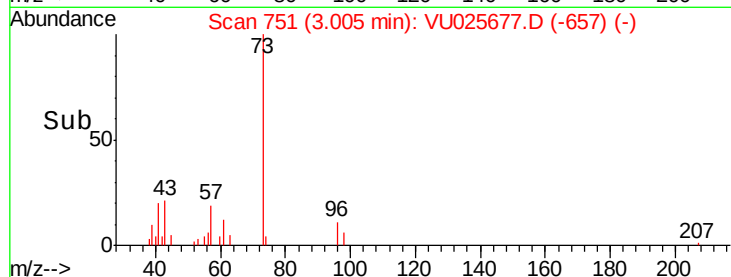
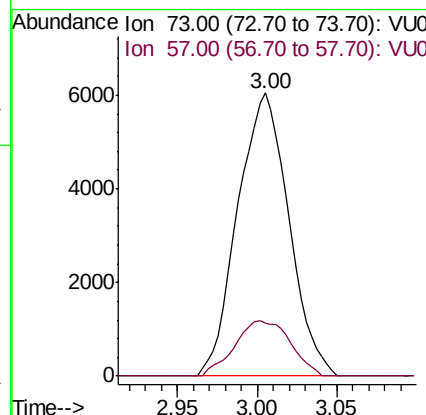
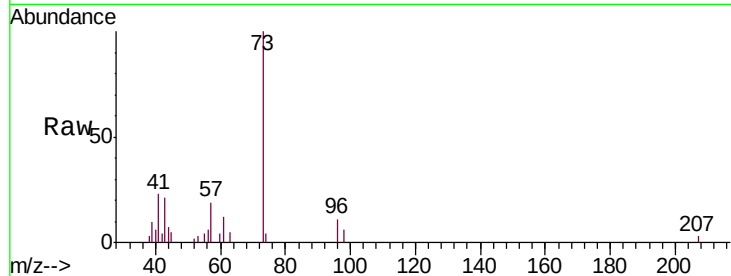




#19
Methyl tert-butyl Ether
Concen: 2.08 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

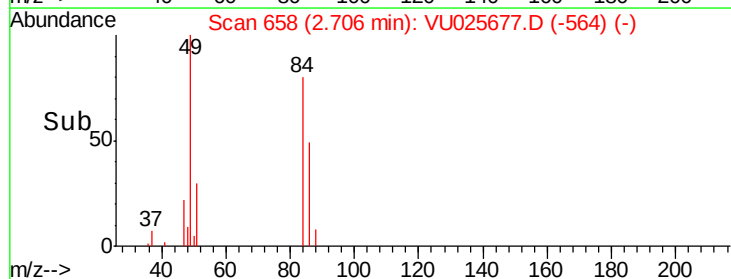
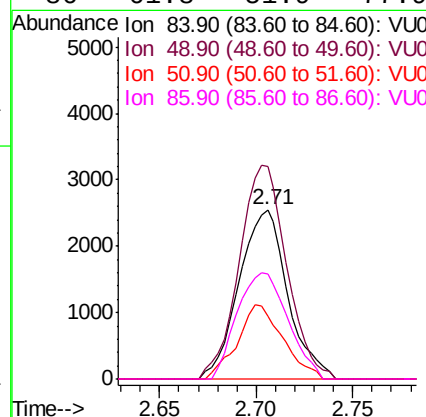
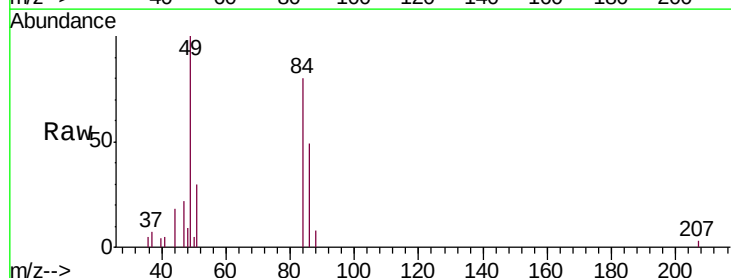
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

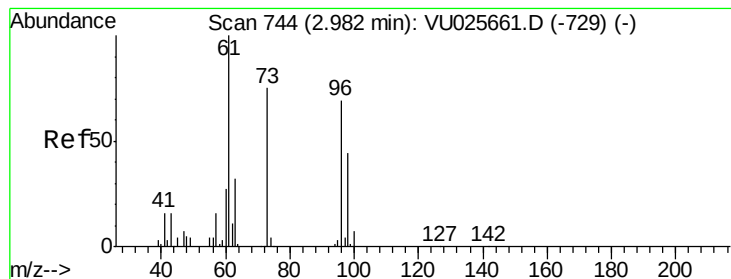
Tot Ion: 73 Resp: 13203
Ion Ratio Lower Upper
73 100
57 18.6 17.4 26.2



#20
Methylene Chloride
Concen: 2.02 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 84 Resp: 4441
Ion Ratio Lower Upper
84 100
49 125.4 101.8 152.6
51 37.1 30.8 46.2
86 61.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 2.00 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

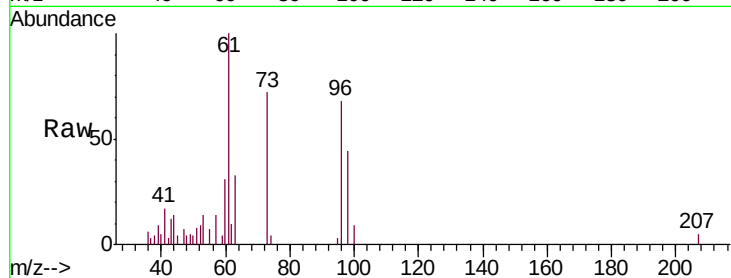
Tot Ion: 96 Resp: 4055

Ion Ratio Lower Upper

96 100

61 146.9 114.5 171.7

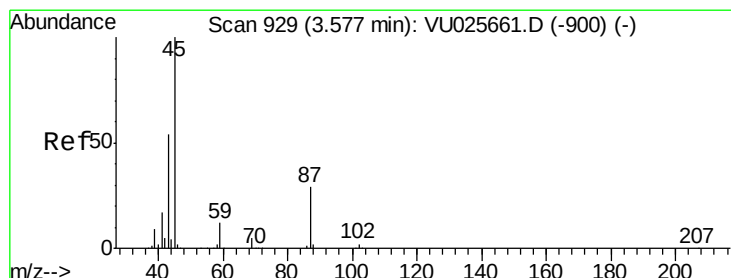
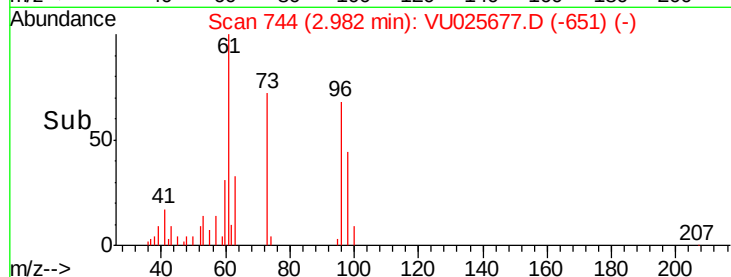
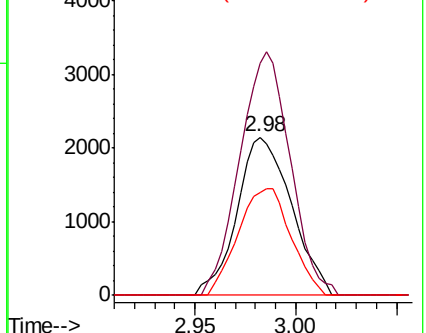
98 65.2 50.5 75.7



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

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

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



#22

Diisopropyl ether

Concen: 2.03 ug/l

RT: 3.58 min Scan# 930

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Tgt Ion: 45 Resp: 12602

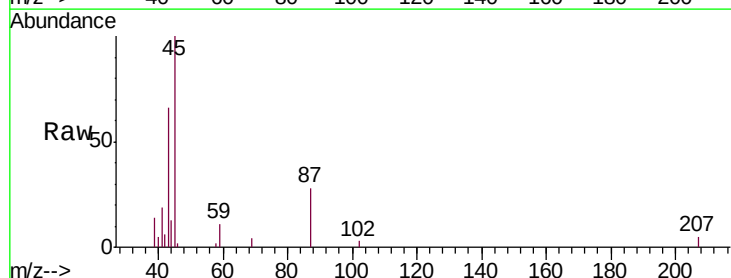
Ion Ratio Lower Upper

45 100

43 62.3 50.9 76.3

87 27.9 23.8 35.8

59 11.5 9.0 13.4

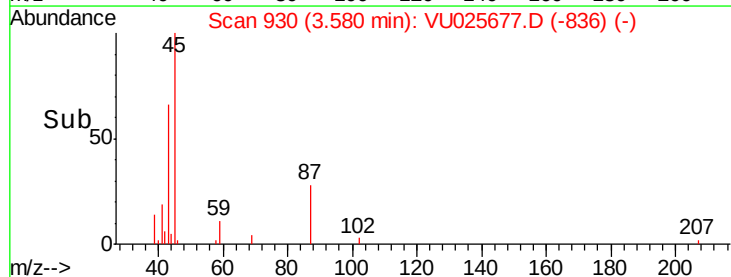
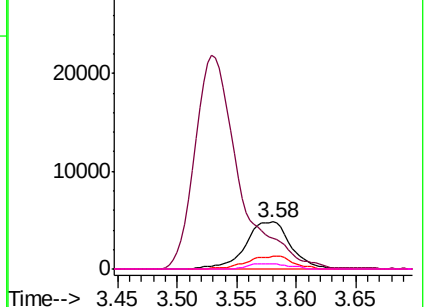


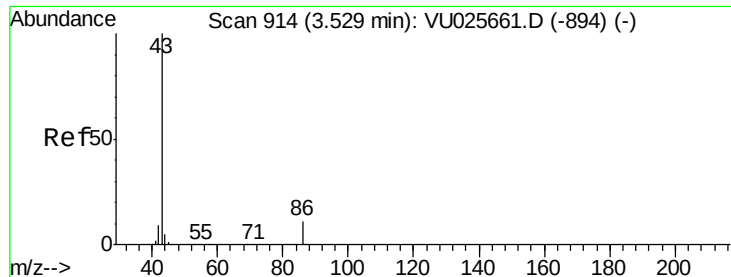
Abundance Ion 45.00 (44.70 to 45.70): VU025661.D (-900) (-)

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

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

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





#23

Vinyl Acetate

Concen: 10.45 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

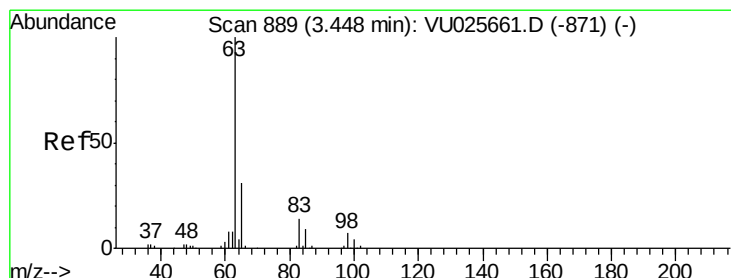
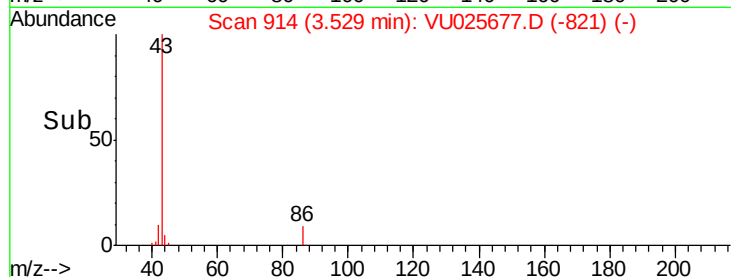
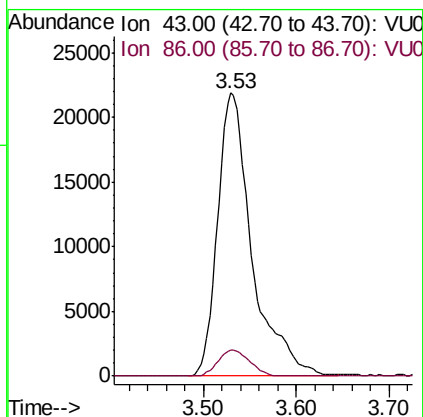
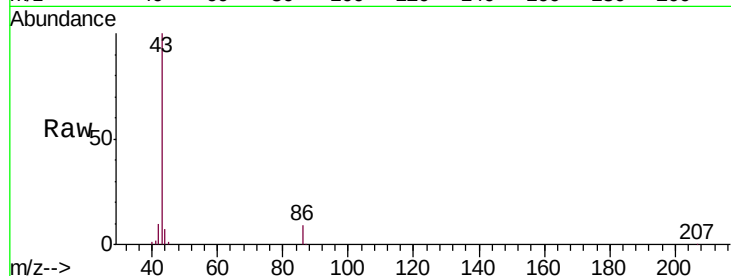
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 56411

Ion Ratio Lower Upper

43 100

86 9.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 2.11 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

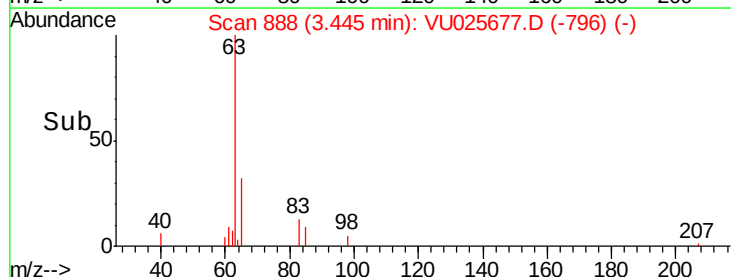
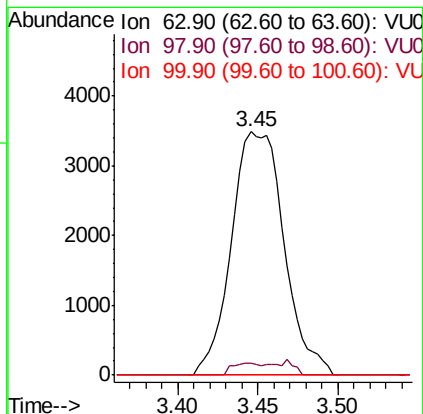
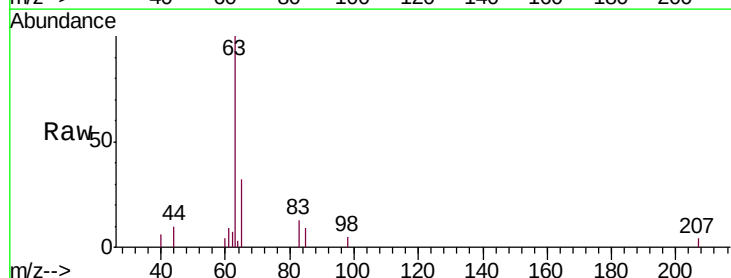
Tgt Ion: 63 Resp: 7846

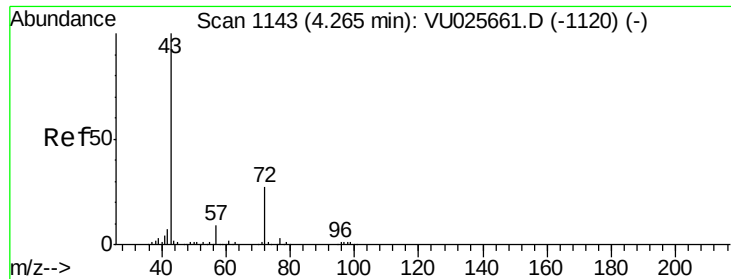
Ion Ratio Lower Upper

63 100

98 4.6 3.4 10.1

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 10.76 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

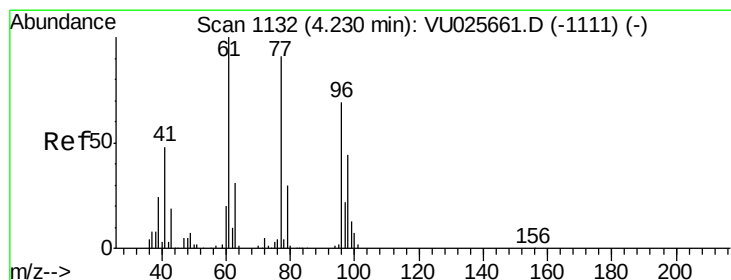
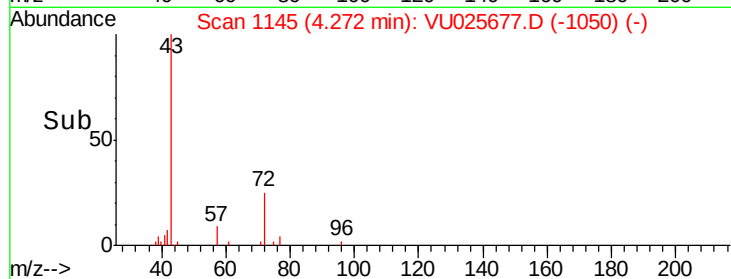
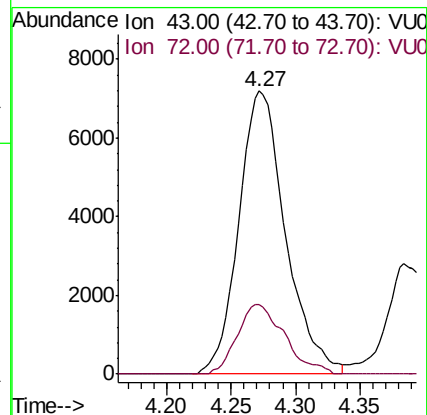
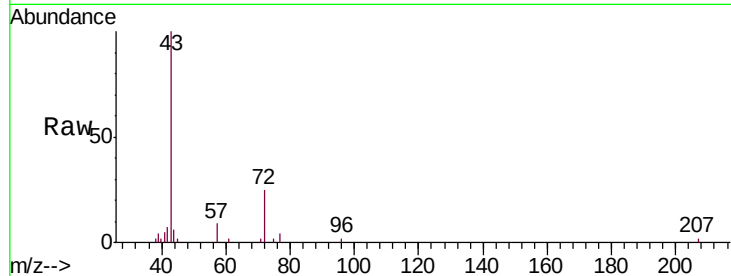
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 18133

Ion Ratio Lower Upper

43 100

72 24.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 1.91 ug/l

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU025677.D

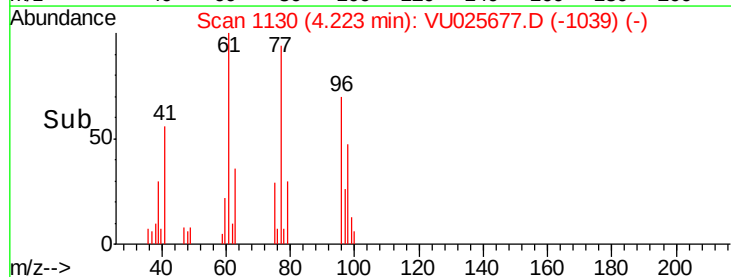
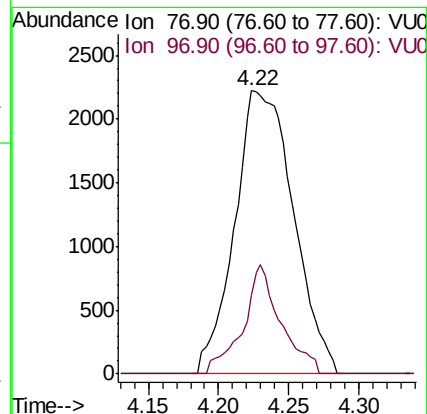
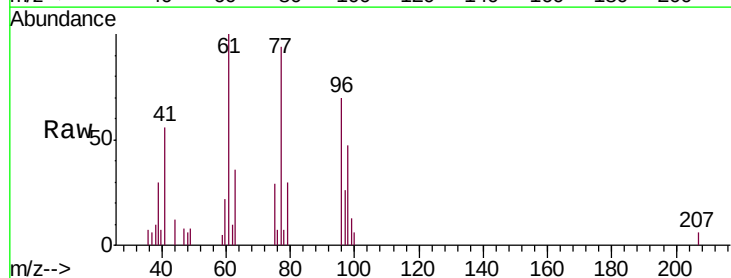
Acq: 27 Jul 2018 18:25

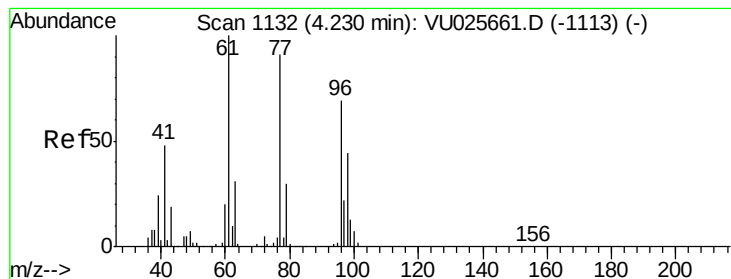
Tgt Ion: 77 Resp: 6462

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 2.06 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

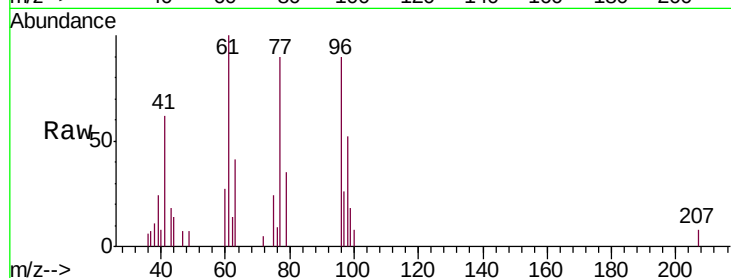
Tot Ion: 96 Resp: 4687

Ion Ratio Lower Upper

96 100

61 142.0 0.0 299.8

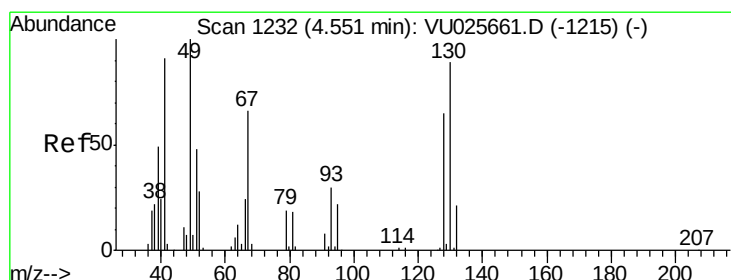
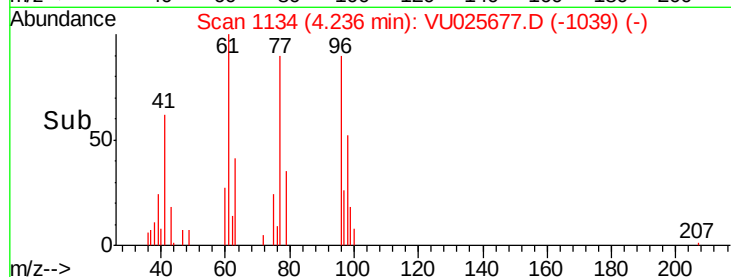
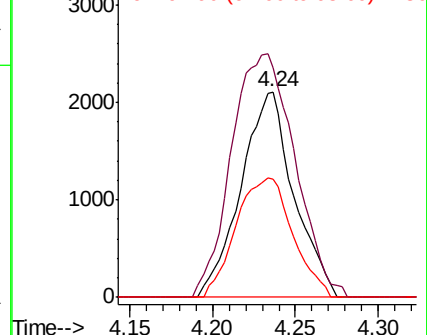
98 62.3 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 2.00 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

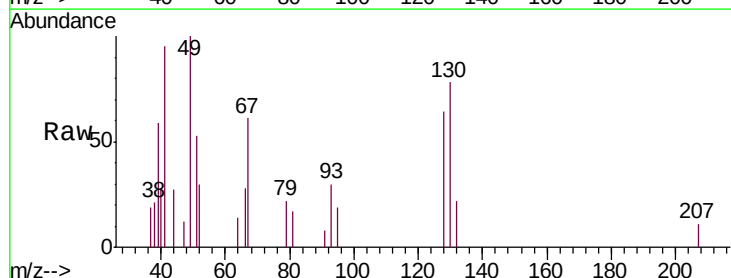
Tgt Ion: 49 Resp: 3332

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

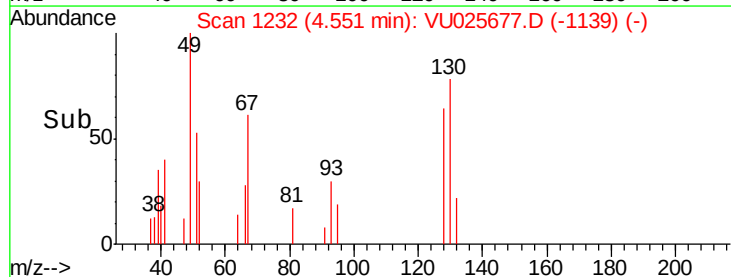
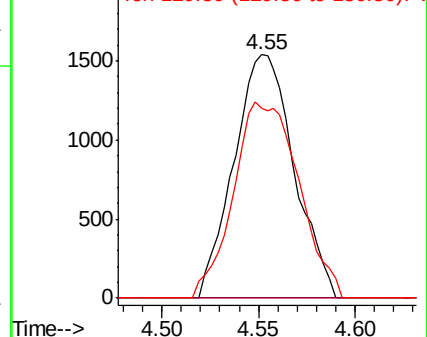
130 87.3 68.6 102.8

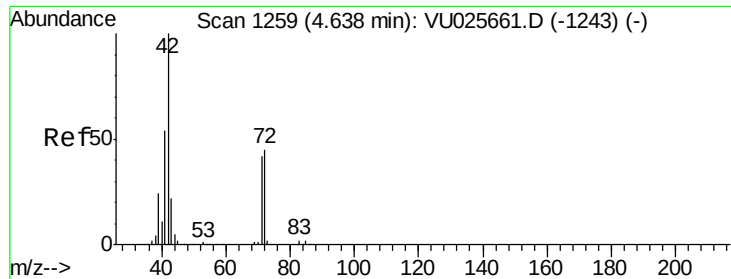


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

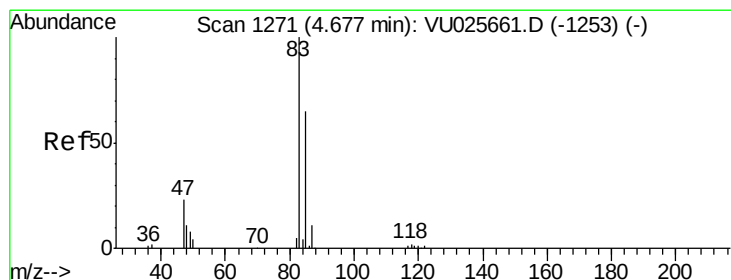
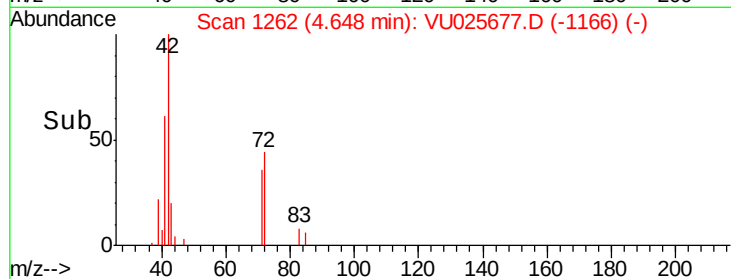
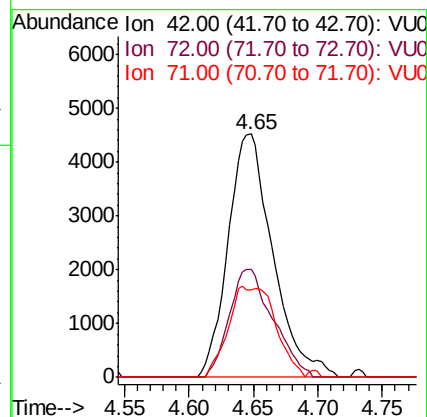
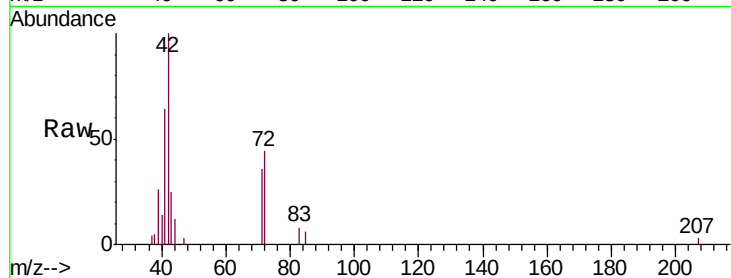




#29
Tetrahydrofuran
Concen: 10.83 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

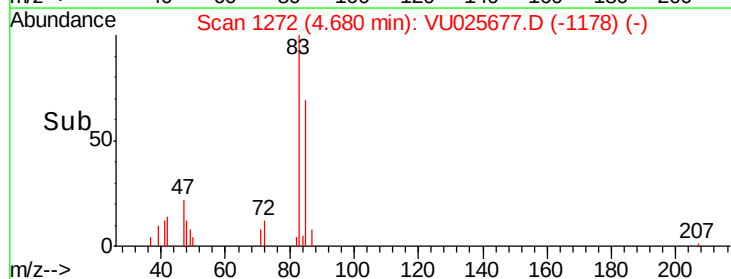
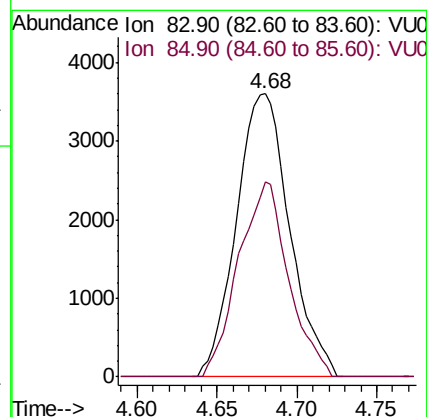
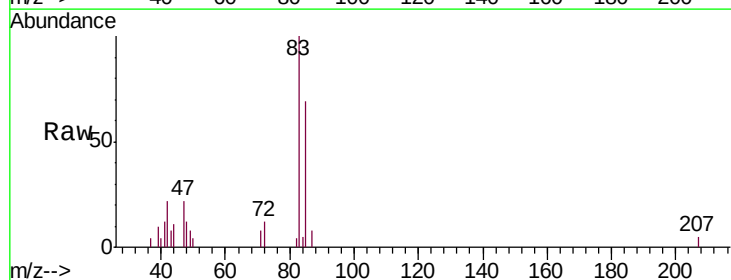
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

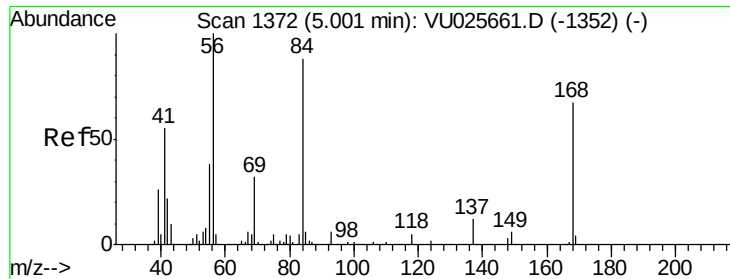
Tot Ion: 42 Resp: 10938
Ion Ratio Lower Upper
42 100
72 43.1 36.7 55.1
71 19.7 33.9 50.9#



#30
Chloroform
Concen: 2.09 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 83 Resp: 8211
Ion Ratio Lower Upper
83 100
85 69.0 51.5 77.3

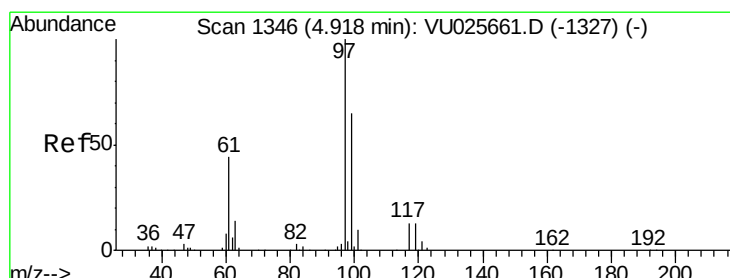
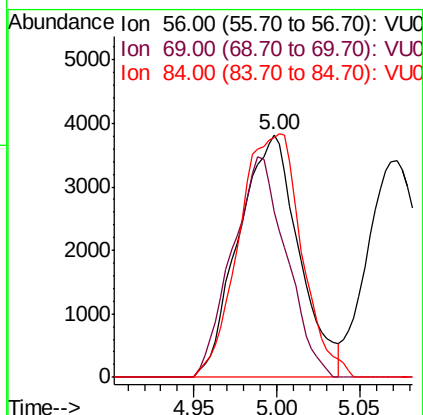
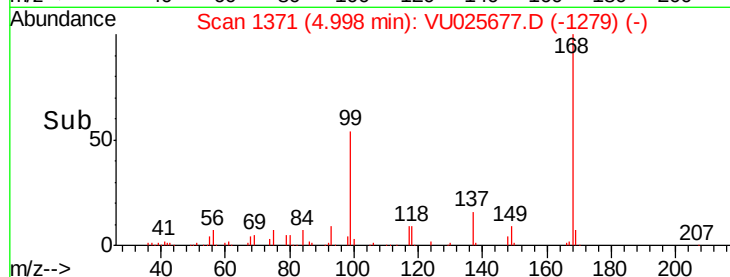
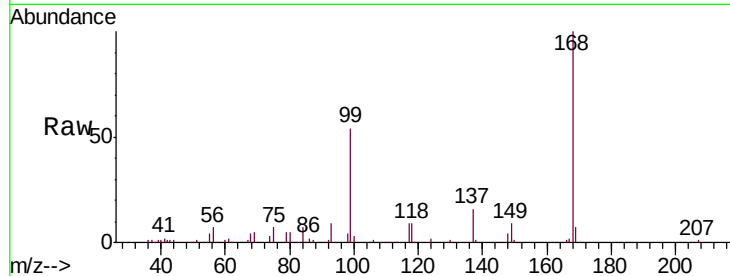




#31
Cyclohexane
Concen: 1.67 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

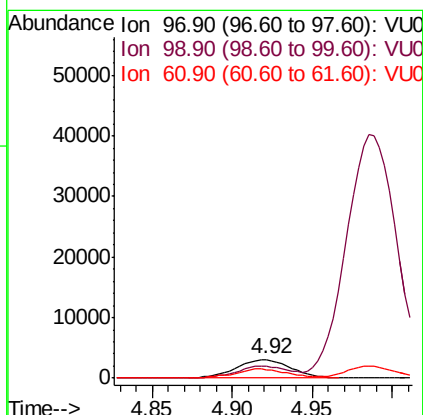
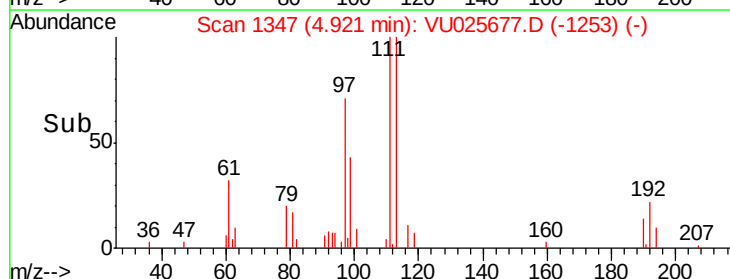
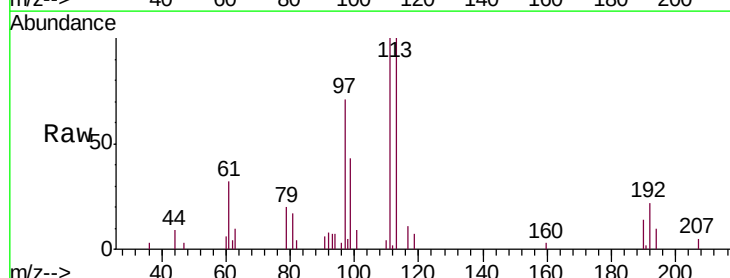
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

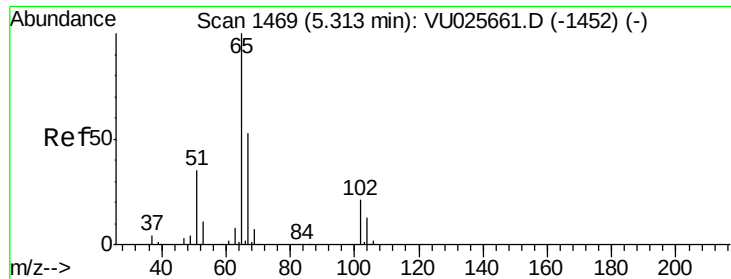
Tot Ion: 56 Resp: 9640
Ion Ratio Lower Upper
56 100
69 68.4 26.8 40.2#
84 99.0 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 2.04 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 97 Resp: 7218
Ion Ratio Lower Upper
97 100
99 62.0 50.8 76.2
61 45.7 35.2 52.8

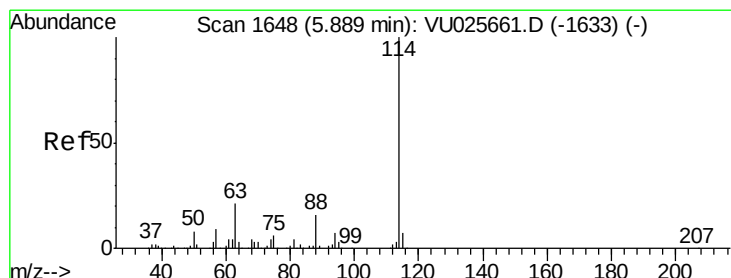
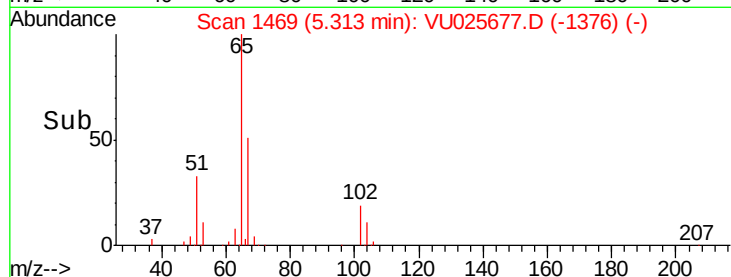
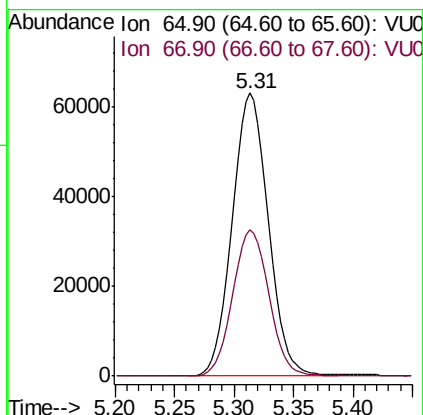
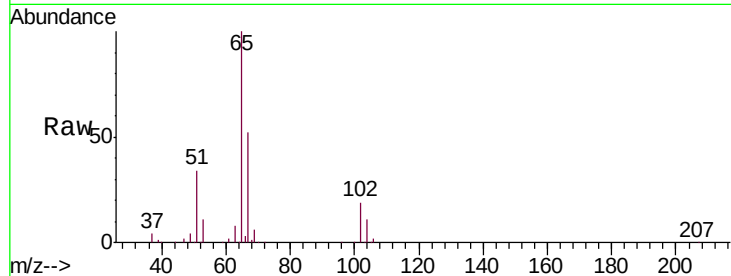




#33
 1,2-Dichloroethane-d4
 Concen: 52.32 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

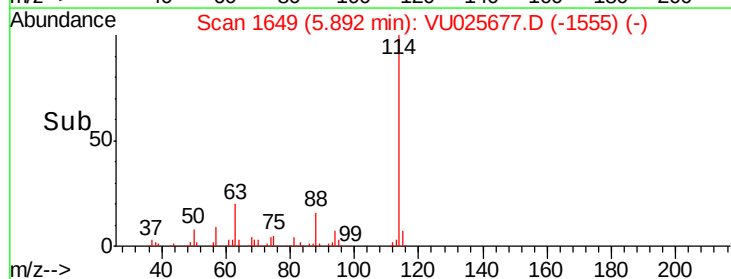
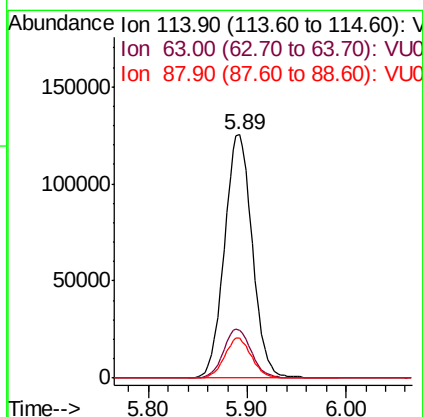
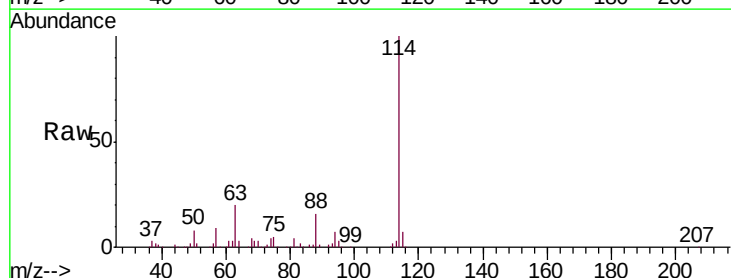
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

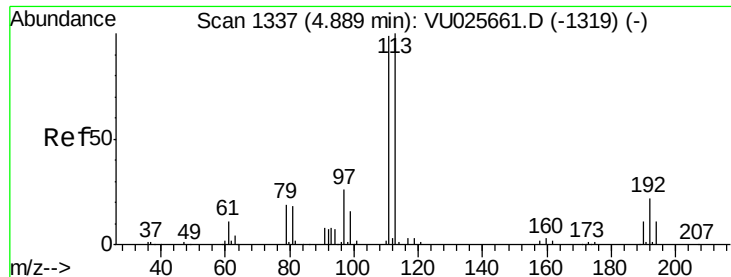
Tot Ion: 65 Resp: 132826
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 114 Resp: 247911
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.6
 88 16.4 0.0 32.4

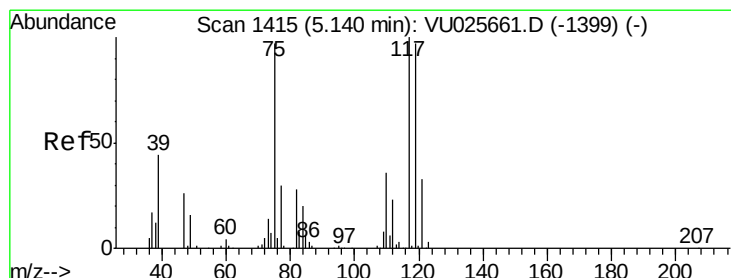
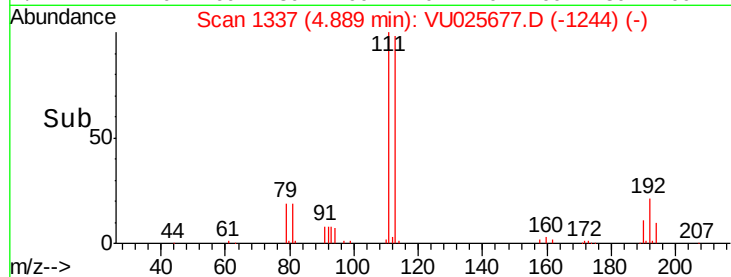
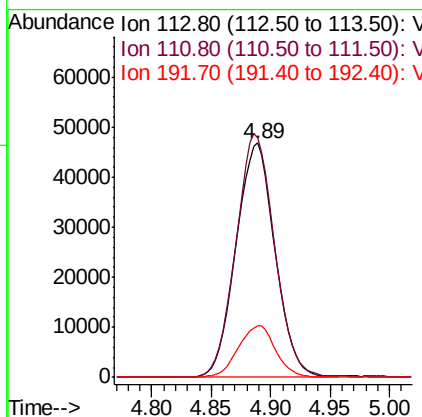
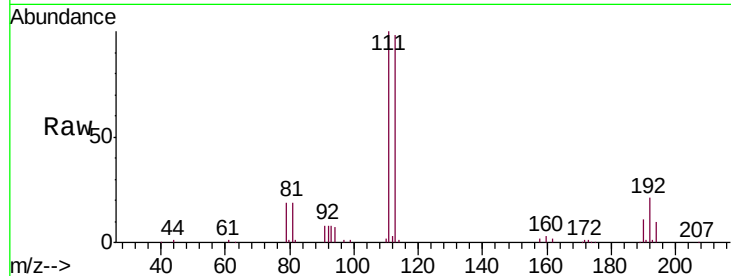




#35
 Dibromofluoromethane
 Concen: 49.37 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

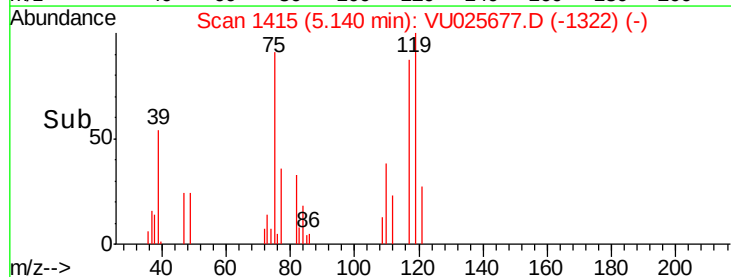
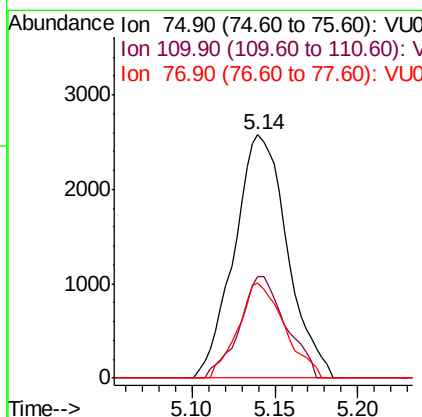
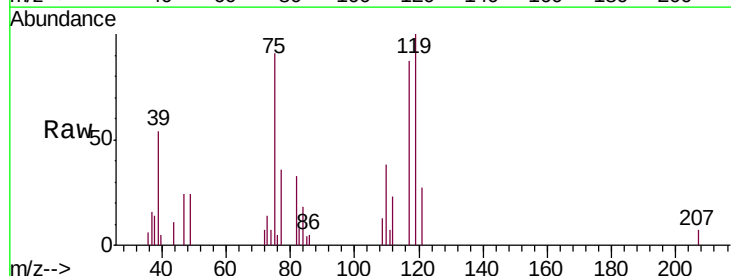
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

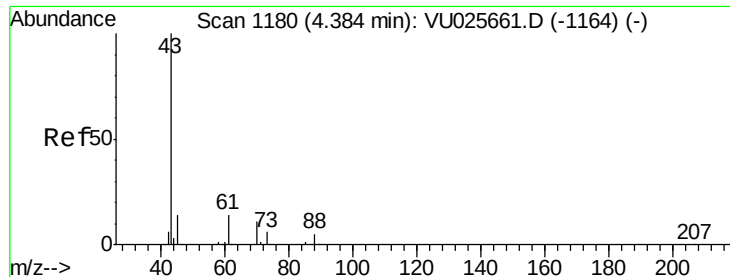
Tot Ion:113 Resp: 106449
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 21.2 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 1.99 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 75 Resp: 5753
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.6 52.9
 77 34.1 24.4 36.6





#37

Ethyl Acetate

Concen: 2.19 ug/l

RT: 4.38 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

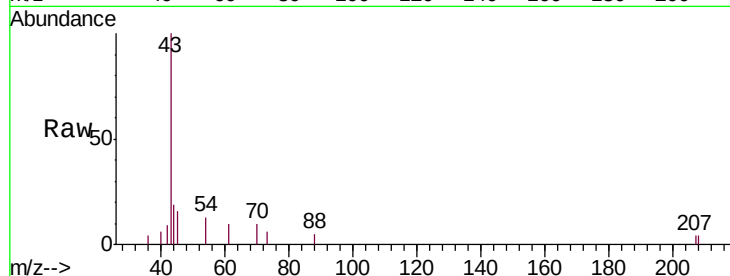
Tot Ion: 43 Resp: 6574

Ion Ratio Lower Upper

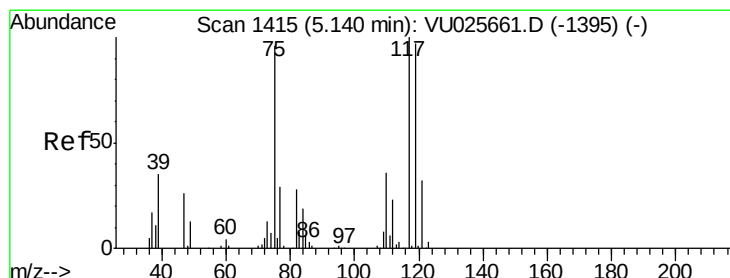
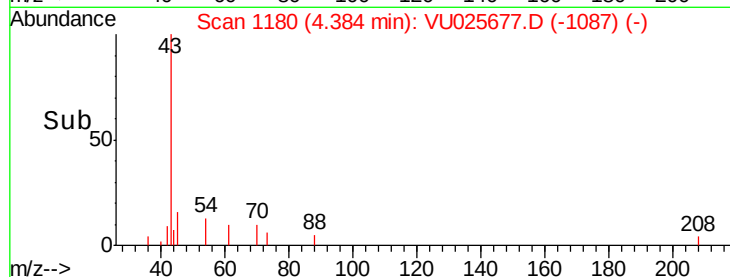
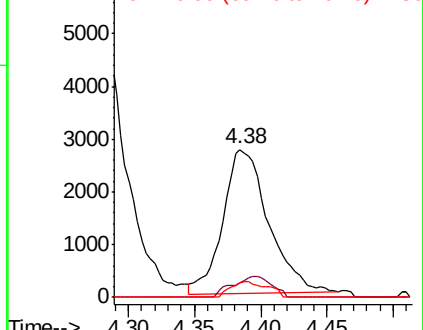
43 100

61 12.2 10.7 16.1

70 8.7 8.4 12.6



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



#38

Carbon Tetrachloride

Concen: 1.85 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

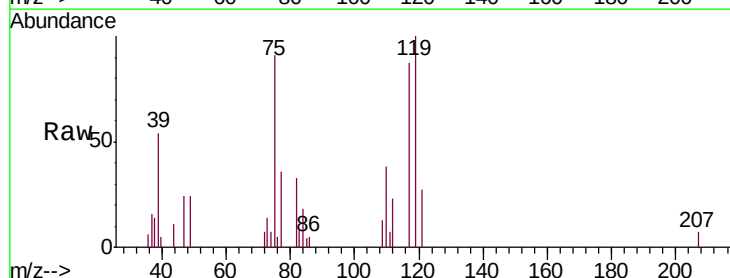
Tgt Ion: 117 Resp: 6069

Ion Ratio Lower Upper

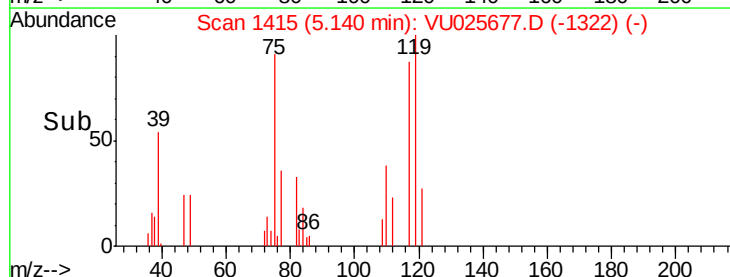
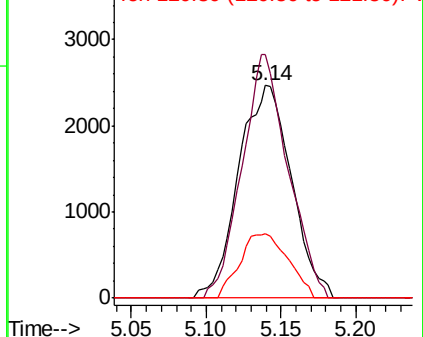
117 100

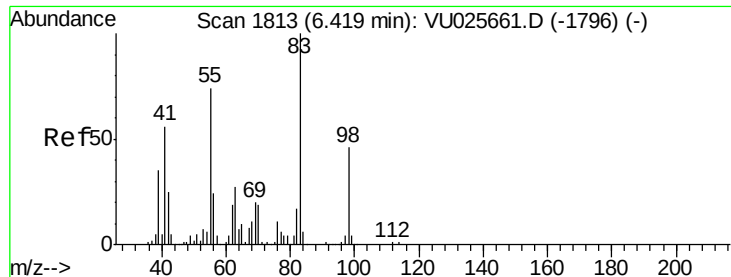
119 114.6 75.7 113.5#

121 30.6 24.6 36.8



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

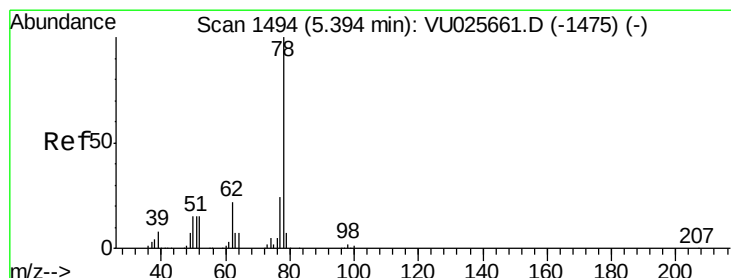
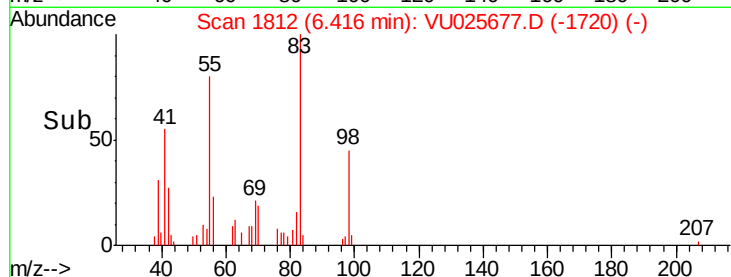
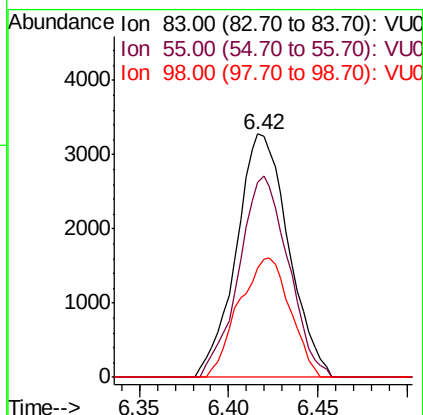
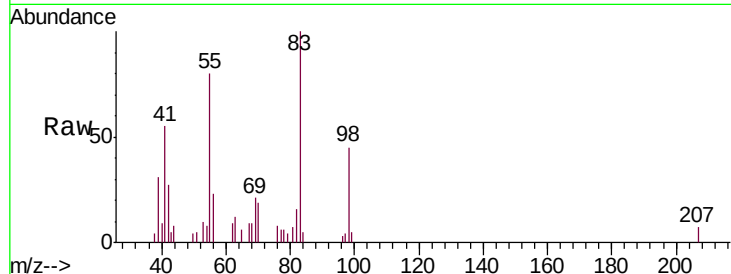




#39
Methylvlcyclohexane
Concen: 2.02 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

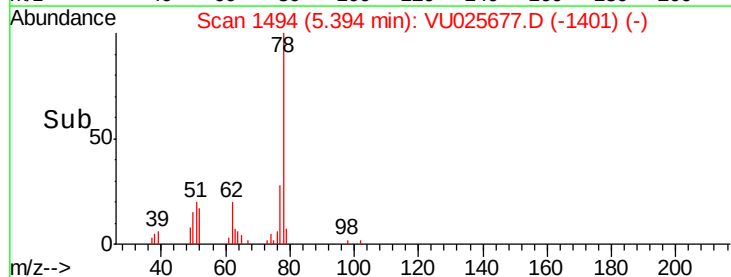
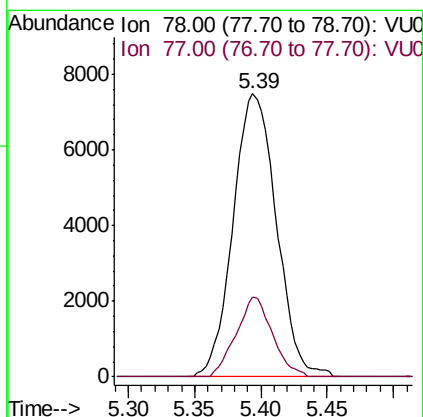
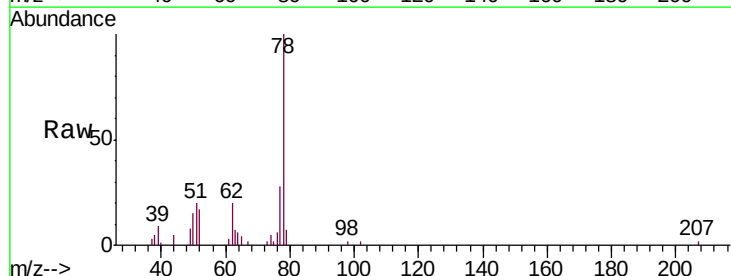
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

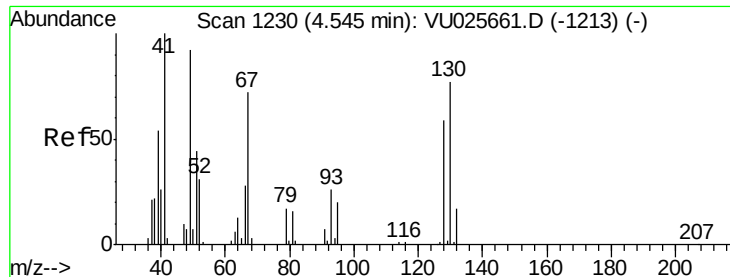
Tot Ion: 83 Resp: 6689
Ion Ratio Lower Upper
83 100
55 80.3 60.0 90.0
98 45.1 36.1 54.1



#40
Benzene
Concen: 2.01 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 78 Resp: 17006
Ion Ratio Lower Upper
78 100
77 28.1 19.8 29.6

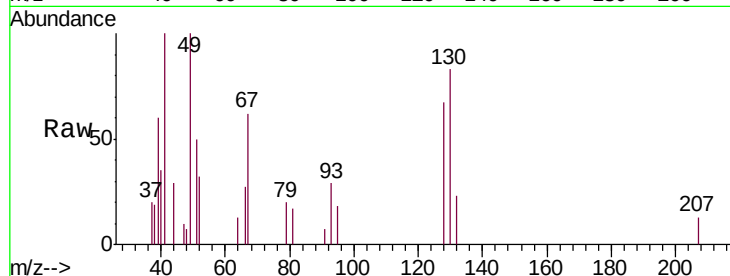




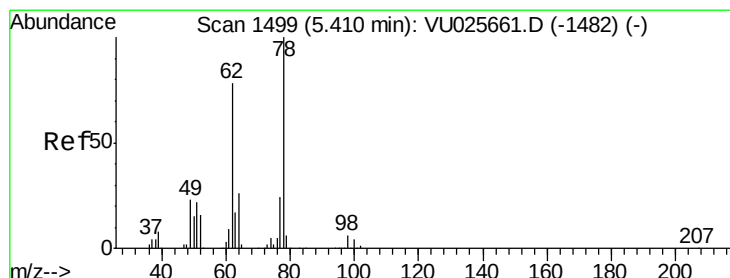
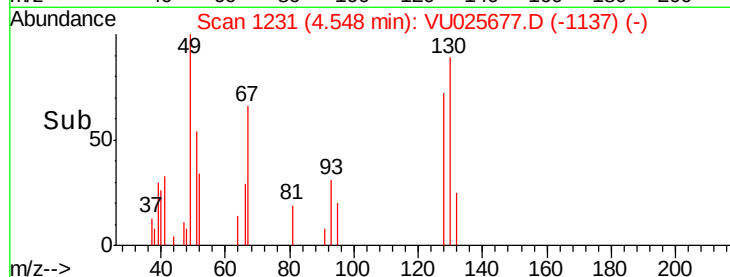
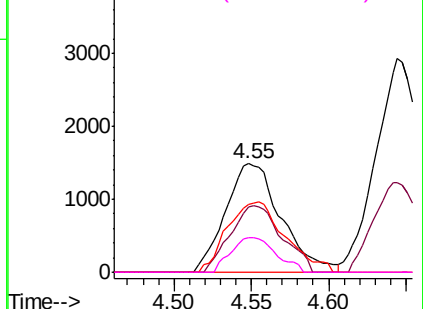
#41
Methacrylonitrile
Concen: 2.23 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

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

Tot Ion:	41	Resp:	3727
Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.4	66.6
67	67.2	56.0	84.0
52	25.5	24.6	36.8

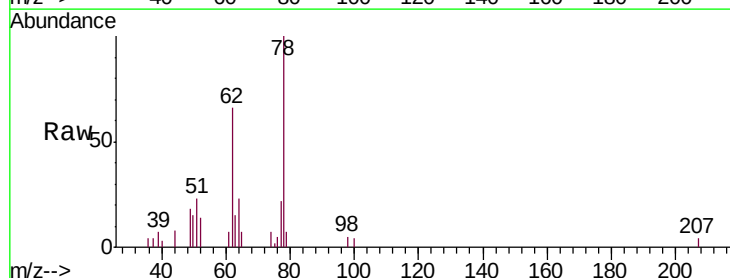


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

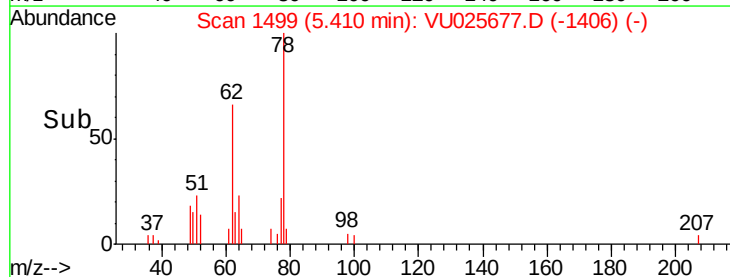
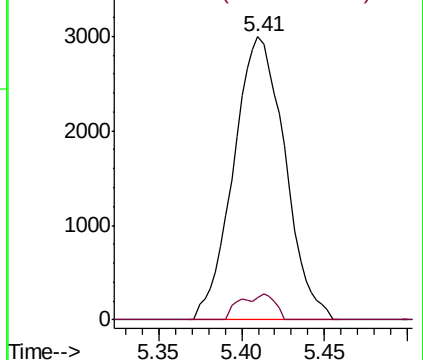


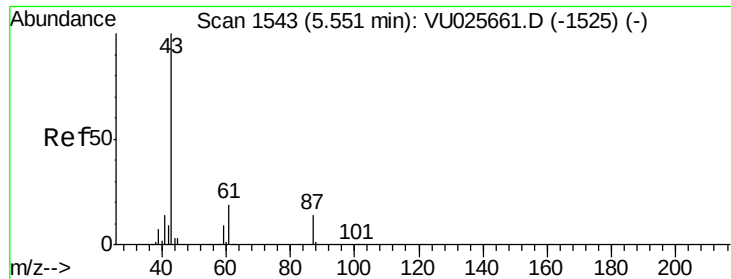
#42
1,2-Dichloroethane
Concen: 1.98 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion:	62	Resp:	6467
Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 2.07 ug/l

RT: 5.55 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

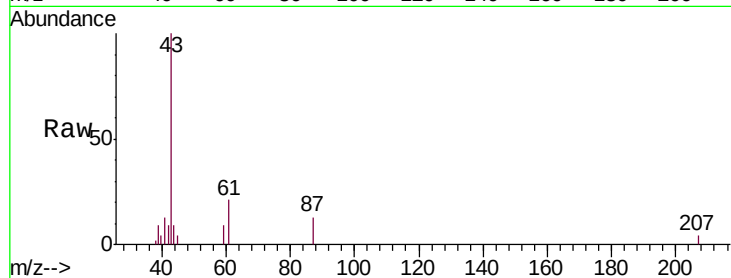
Tot Ion: 43 Resp: 10295

Ion Ratio Lower Upper

43 100

61 18.9 15.5 23.3

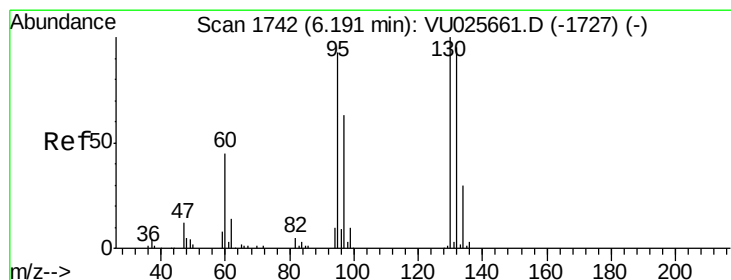
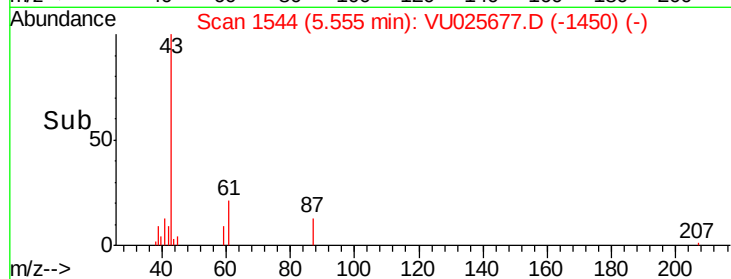
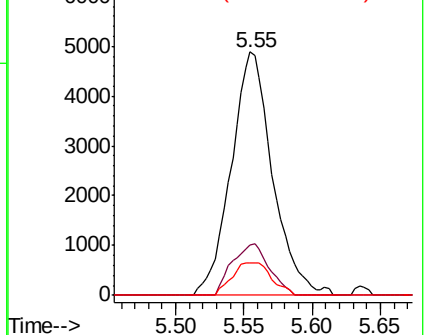
87 12.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



#44

Trichloroethene

Concen: 2.16 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025677.D

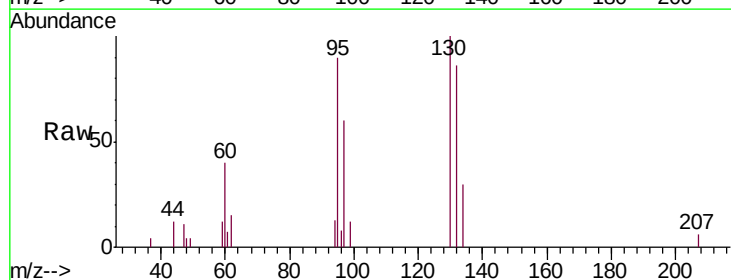
Acq: 27 Jul 2018 18:25

Tgt Ion:130 Resp: 5085

Ion Ratio Lower Upper

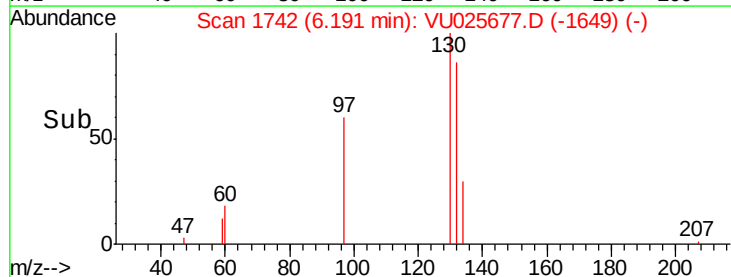
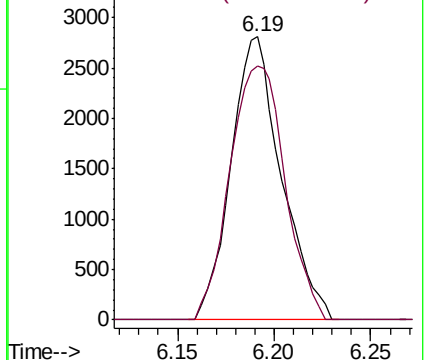
130 100

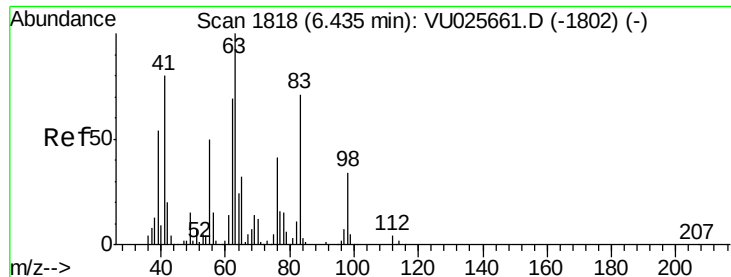
95 89.7 0.0 192.2



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

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)

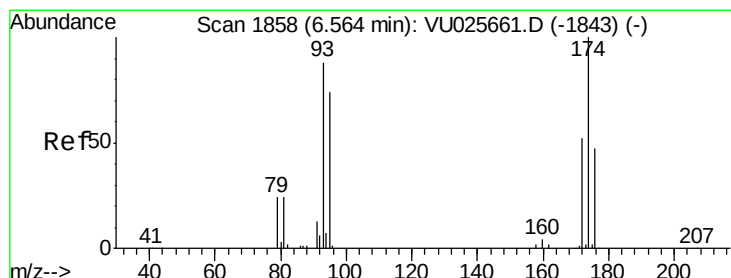
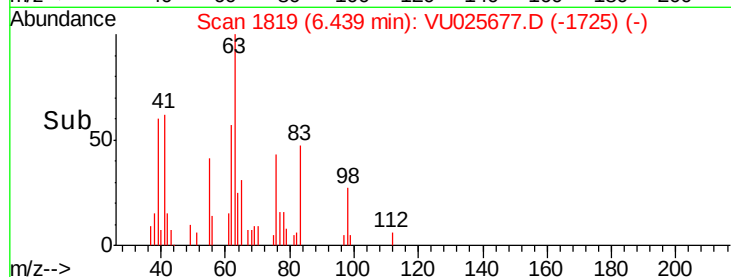
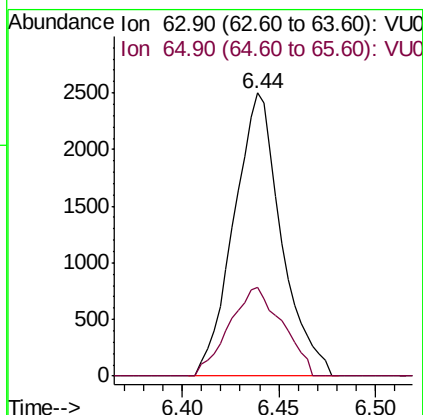
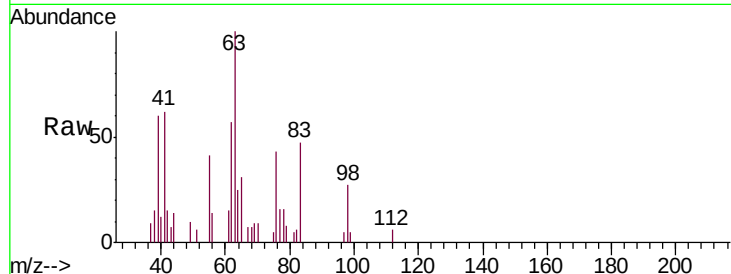




#45
 1,2-Dichloropropane
 Concen: 1.93 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

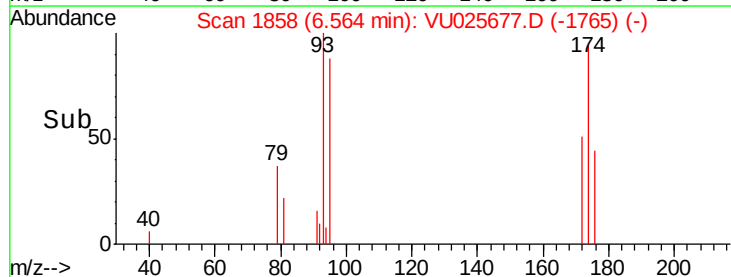
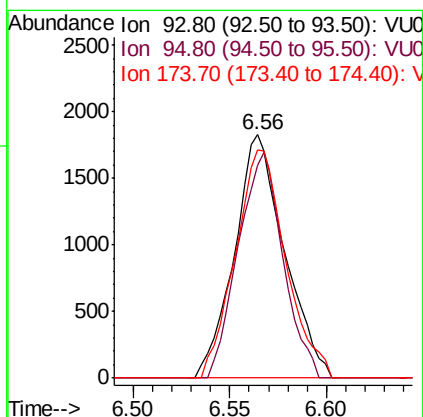
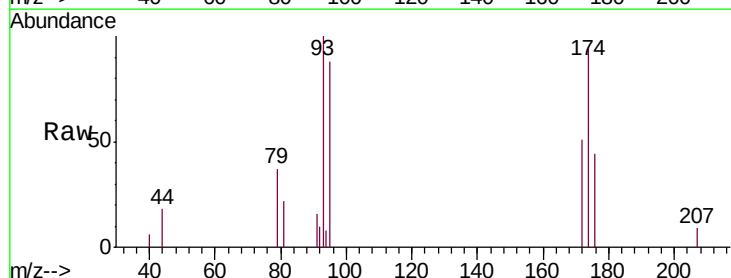
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

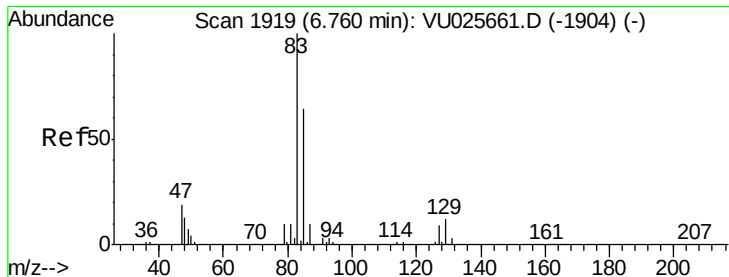
Tot Ion: 63 Resp: 4269
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.1 39.1



#46
 Dibromomethane
 Concen: 2.06 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 93 Resp: 3292
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.6 100.0
 174 94.4 85.8 128.8





#47

Bromodichloromethane

Concen: 1.92 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

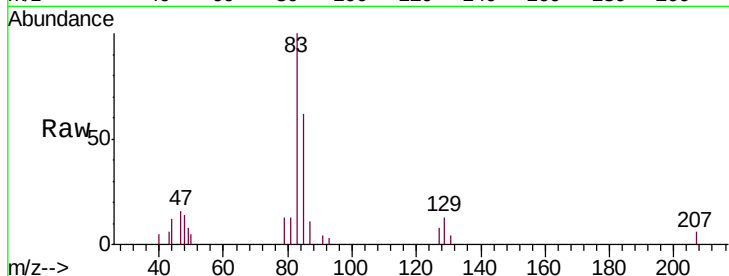
Tot Ion: 83 Resp: 5849

Ion Ratio Lower Upper

83 100

85 61.7 50.2 75.4

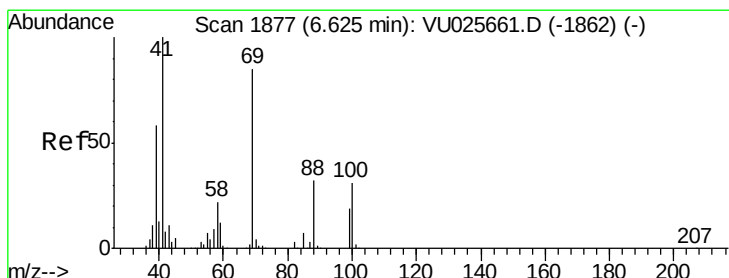
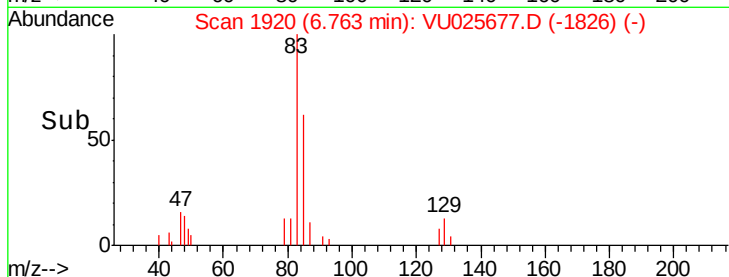
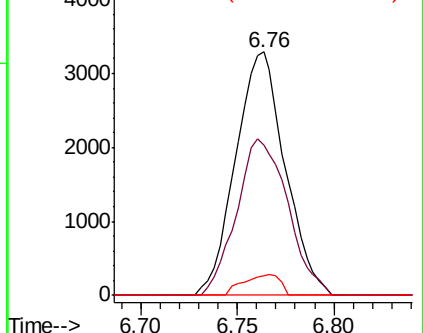
127 8.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): VU0



#48

Methyl methacrylate

Concen: 2.01 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

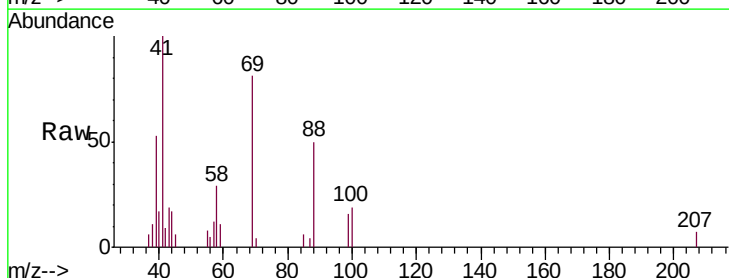
Tgt Ion: 41 Resp: 4894

Ion Ratio Lower Upper

41 100

69 87.7 65.0 97.4

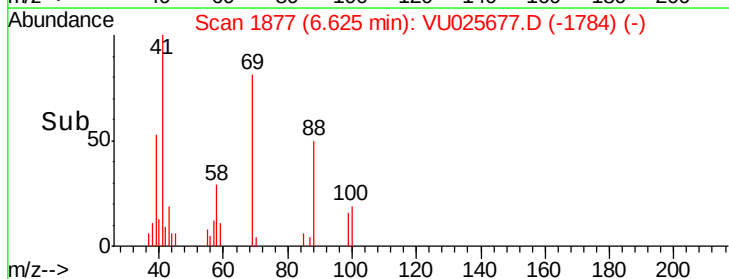
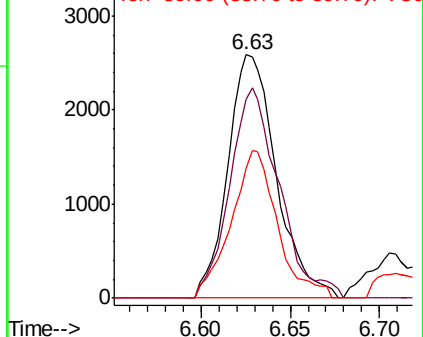
39 57.8 46.4 69.6

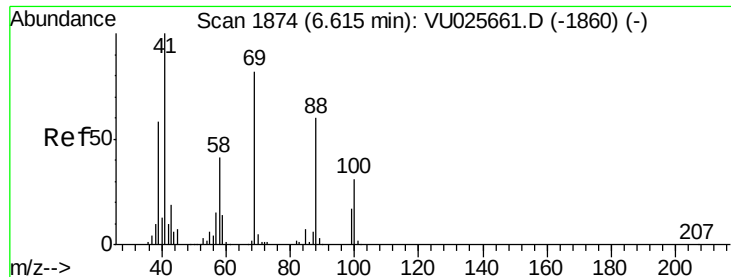


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 43.32 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

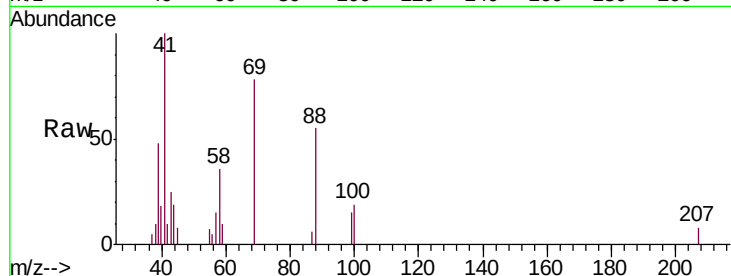
Tot Ion: 88 Resp: 2565

Ion Ratio Lower Upper

88 100

43 41.1 27.3 40.9#

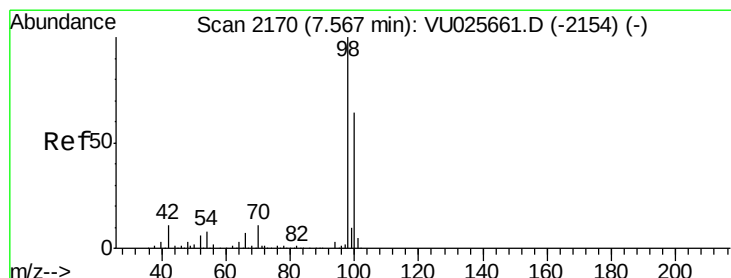
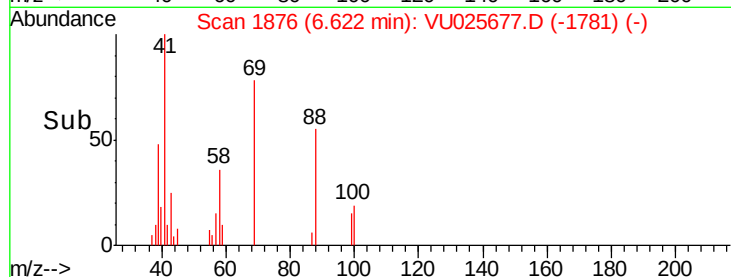
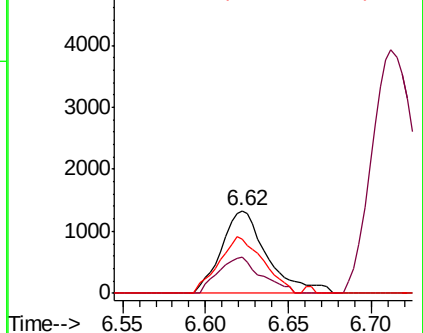
58 65.7 57.6 86.4



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 49.55 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025677.D

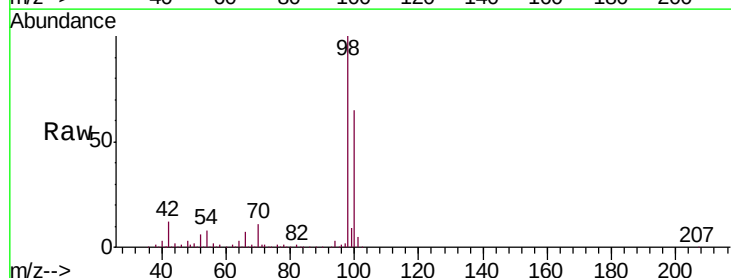
Acq: 27 Jul 2018 18:25

Tgt Ion: 98 Resp: 373886

Ion Ratio Lower Upper

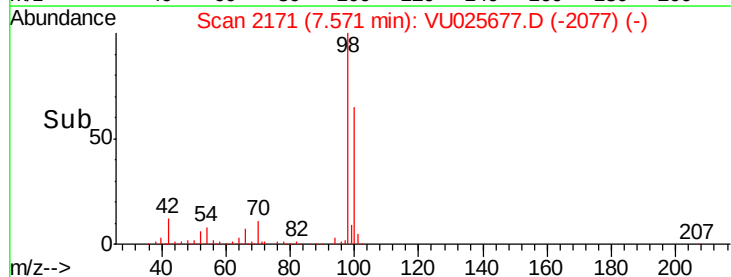
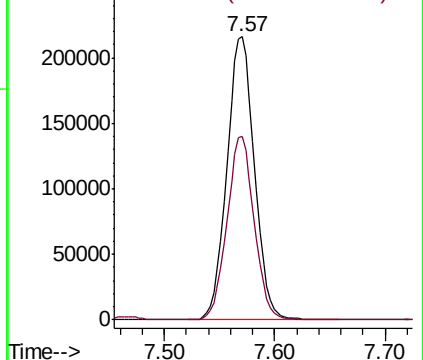
98 100

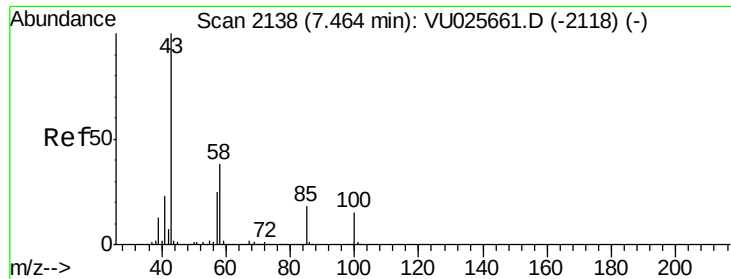
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 10.36 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

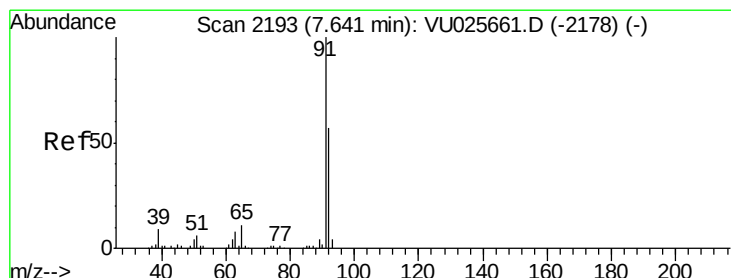
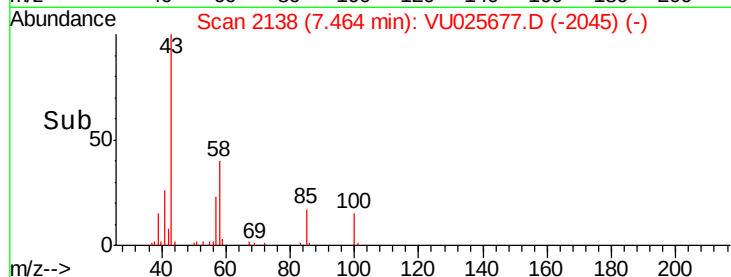
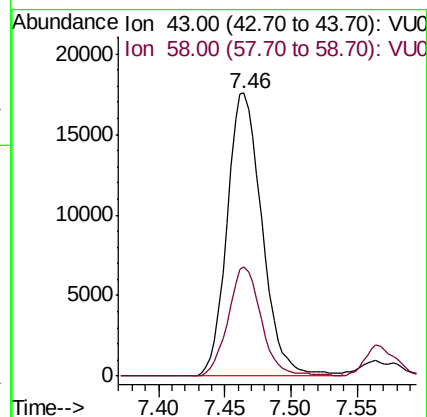
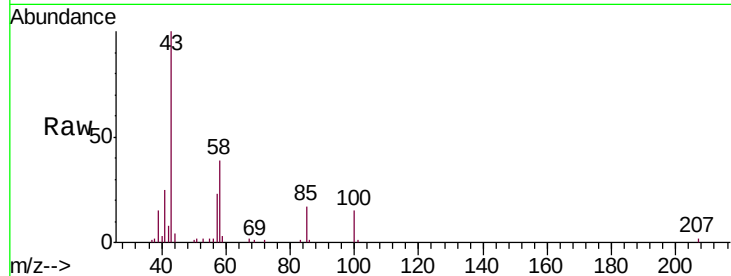
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 32187

Ion Ratio Lower Upper

43 100

58 36.8 31.0 46.4



#52

Toluene

Concen: 1.98 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025677.D

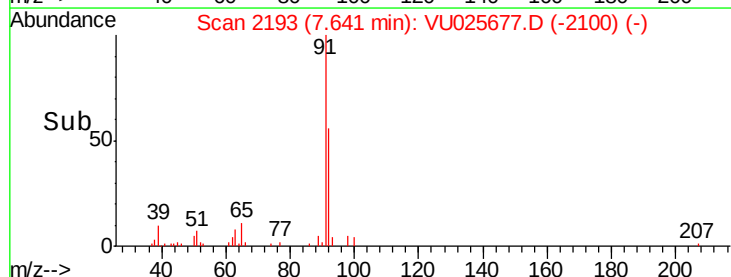
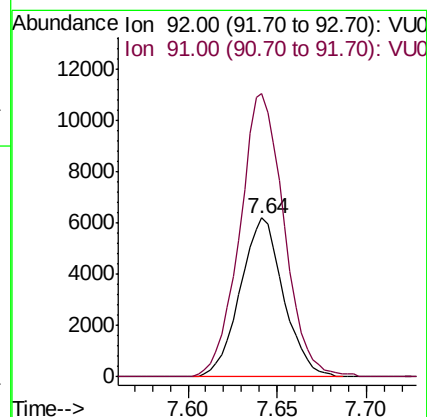
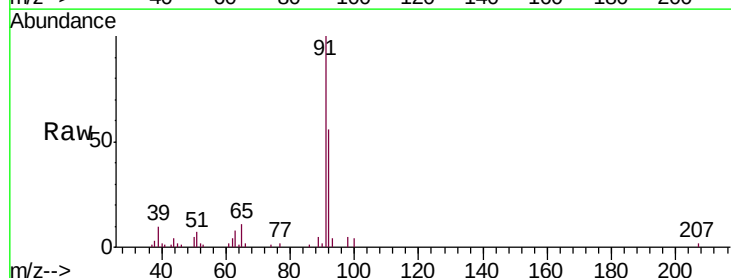
Acq: 27 Jul 2018 18:25

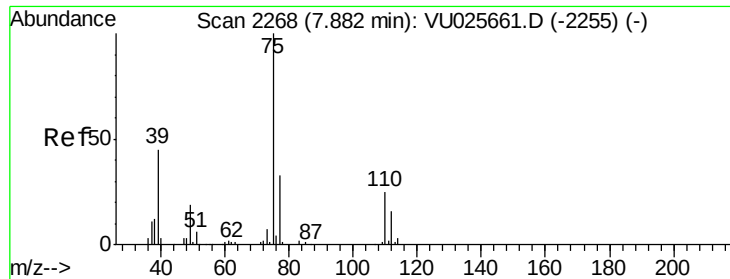
Tgt Ion: 92 Resp: 10441

Ion Ratio Lower Upper

92 100

91 182.9 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 1.84 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

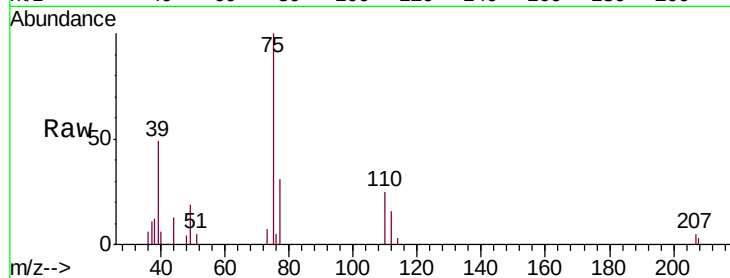
LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 6310

Ion Ratio Lower Upper

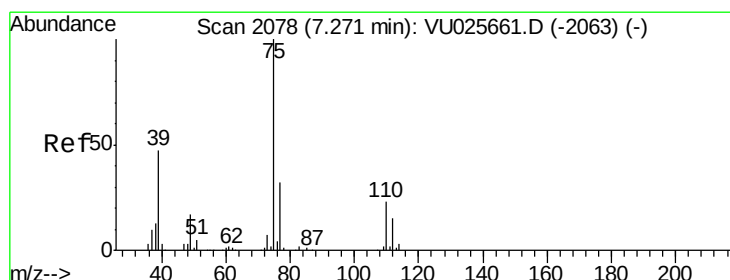
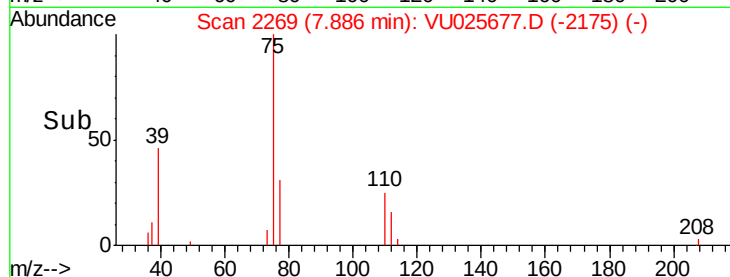
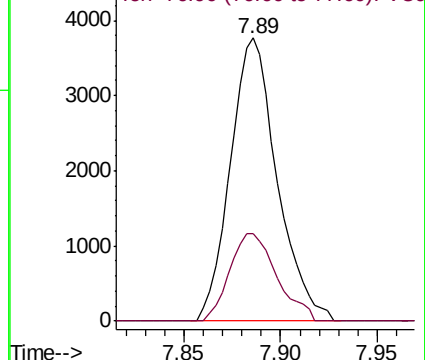
75 100

77 30.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 1.86 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

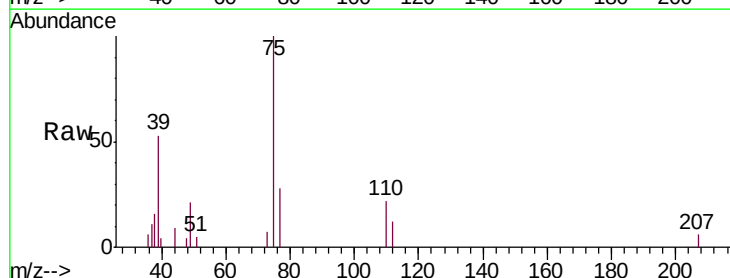
Tgt Ion: 75 Resp: 6540

Ion Ratio Lower Upper

75 100

77 28.4 25.6 38.4

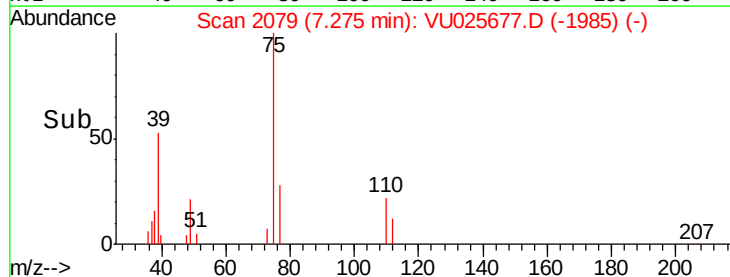
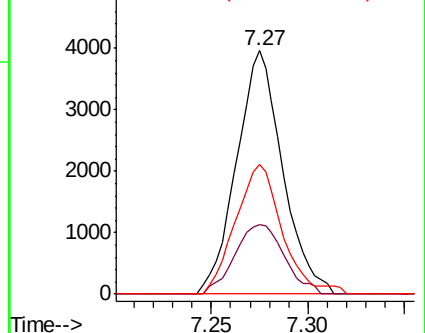
39 53.2 40.0 60.0

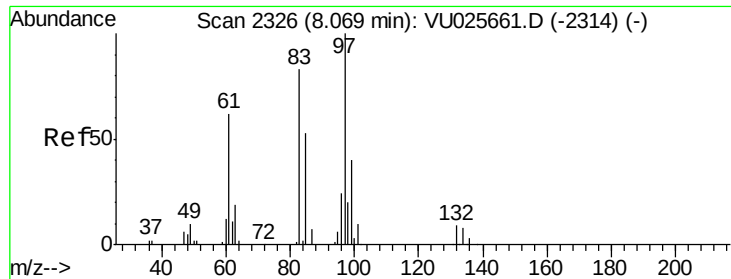


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

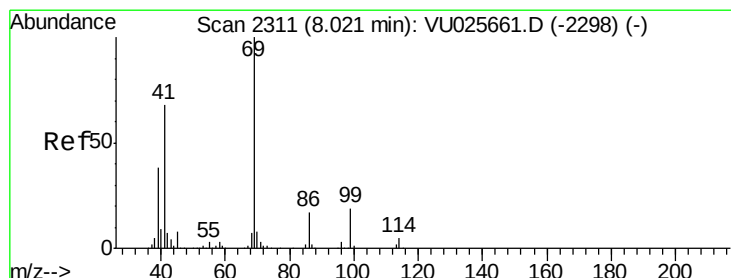
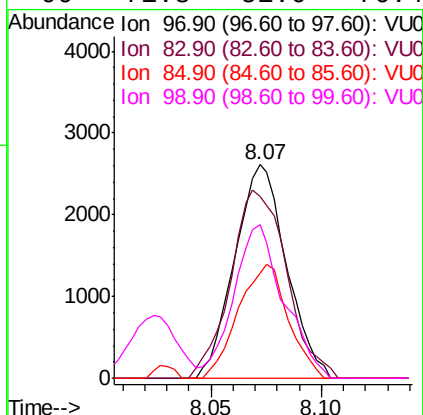
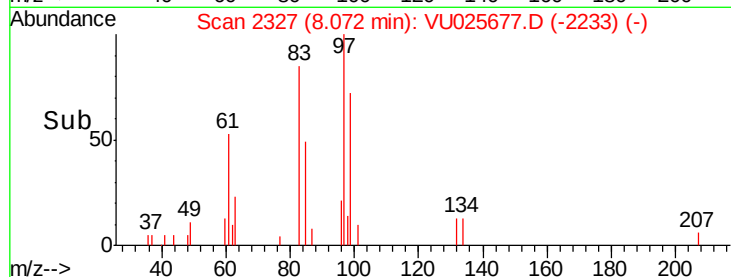
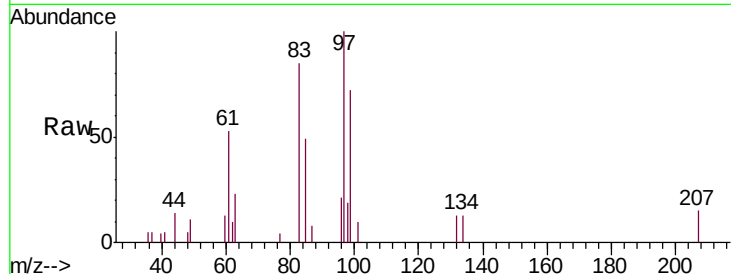




#55
 1,1,2-Trichloroethane
 Concen: 1.94 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

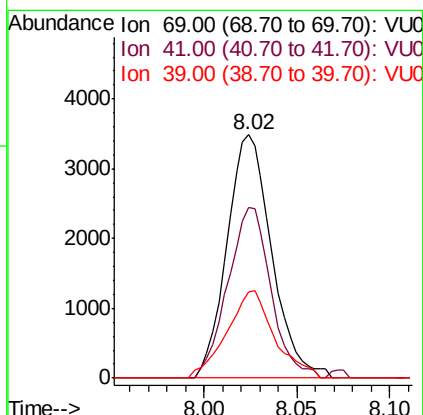
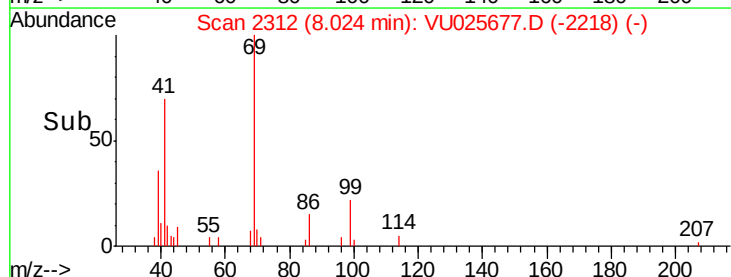
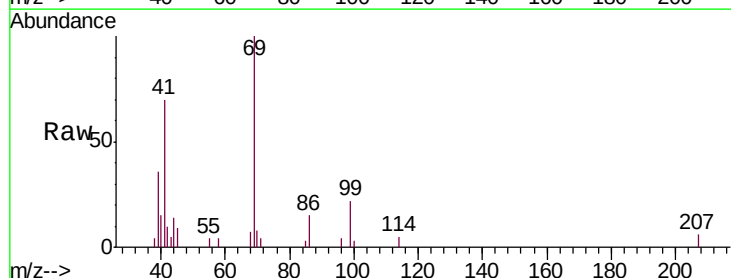
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

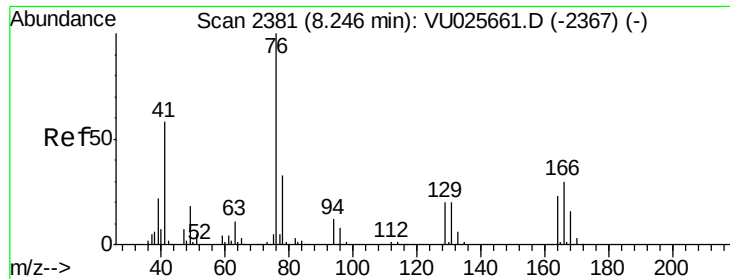
Tot Ion:	97	Resp:	4244
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.9	103.3
85	49.3	44.4	66.6
99	71.8	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 1.86 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion:	69	Resp:	5821
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.8	82.2
39	38.3	31.1	46.7

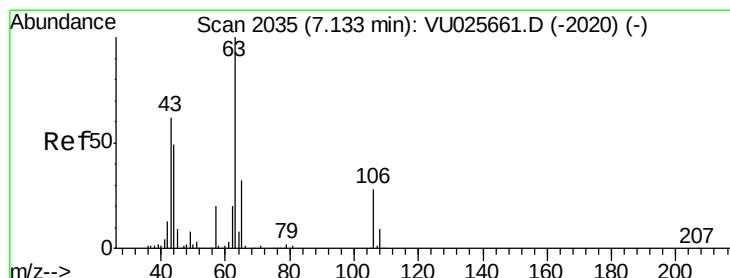
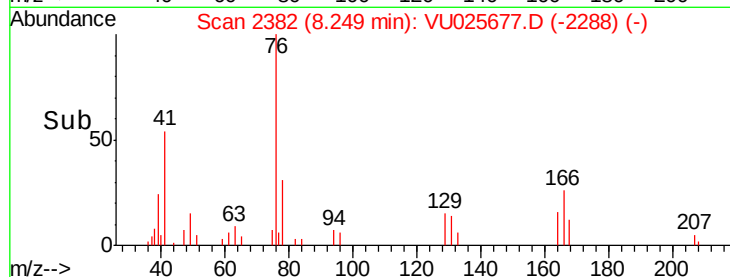
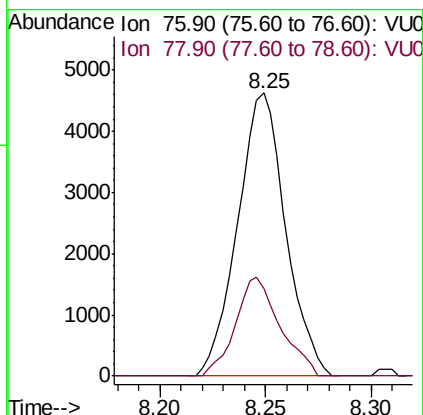
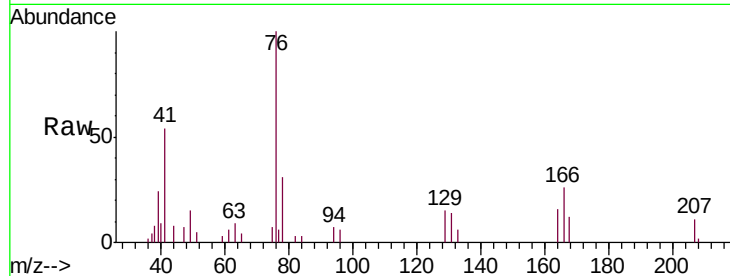




#57
 1,3-Dichloropropane
 Concen: 1.99 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

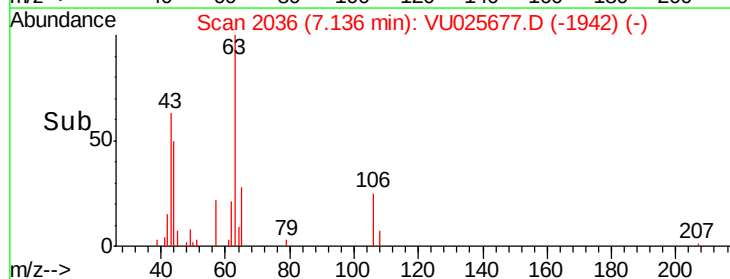
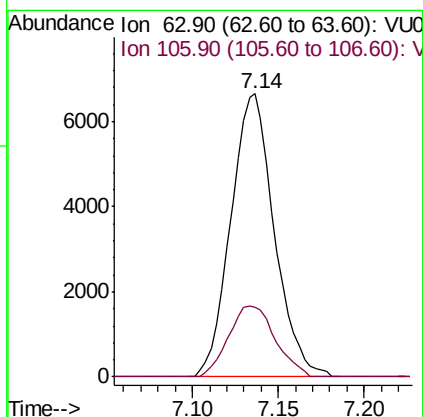
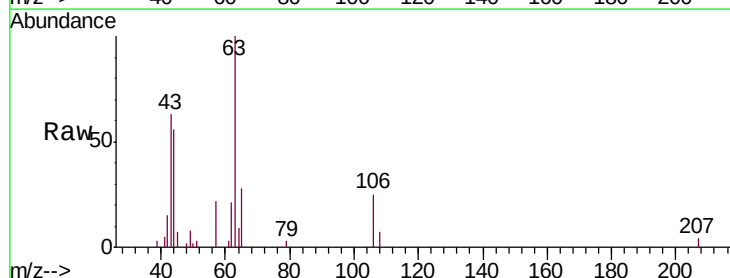
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

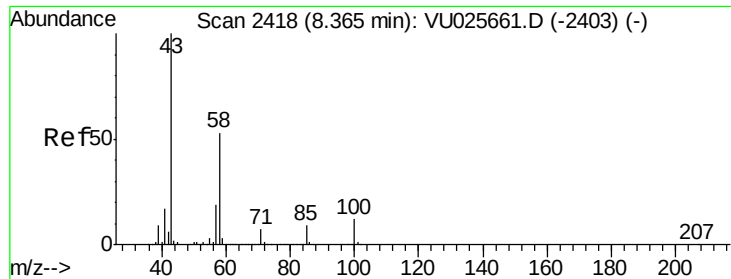
Tot Ion: 76 Resp: 7324
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.08 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 63 Resp: 11645
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.3 33.5

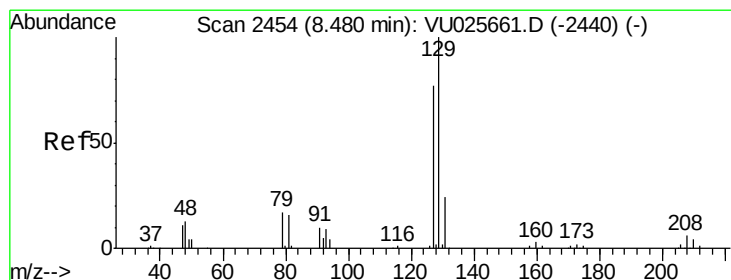
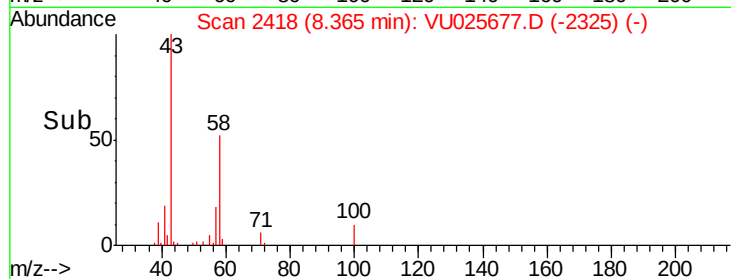
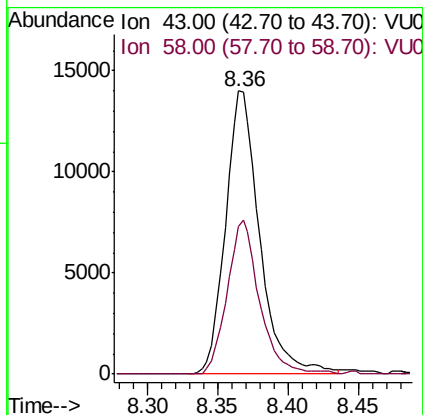
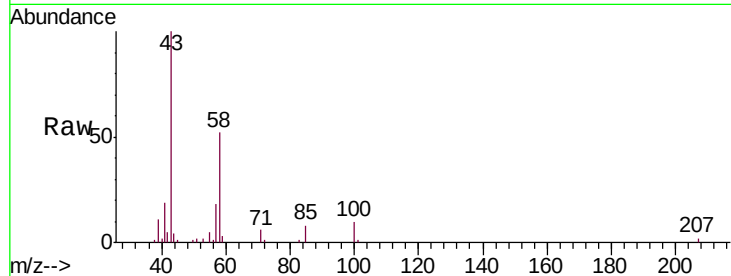




#59
2-Hexanone
Concen: 9.72 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

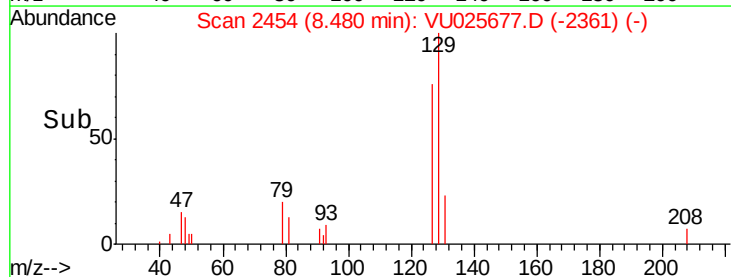
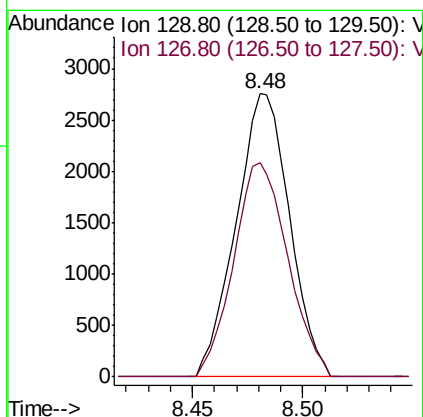
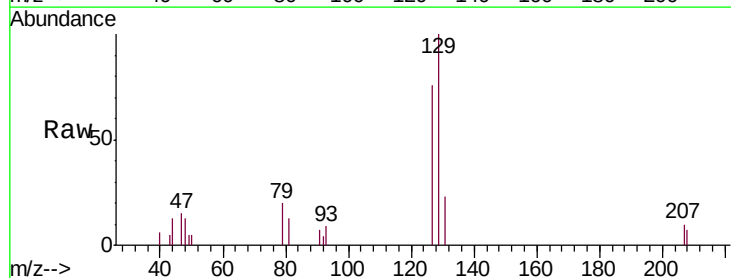
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

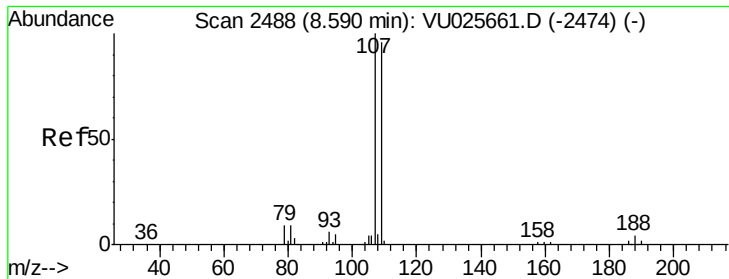
Tot Ion: 43 Resp: 23683
Ion Ratio Lower Upper
43 100
58 51.2 26.2 78.5



#60
Dibromochloromethane
Concen: 1.80 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 129 Resp: 4646
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 1.90 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

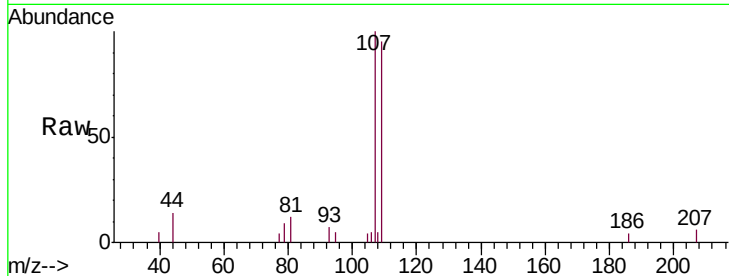
LOQ-WATER-02-QT3-2018

Tot Ion:107 Resp: 4626

Ion Ratio Lower Upper

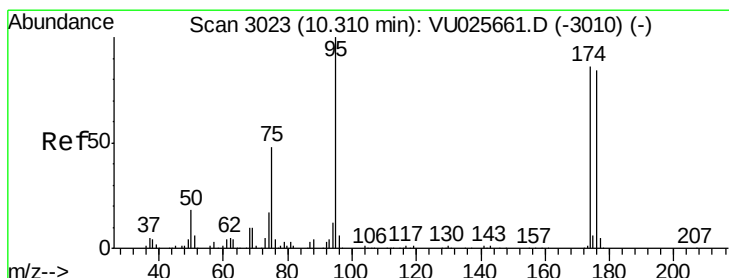
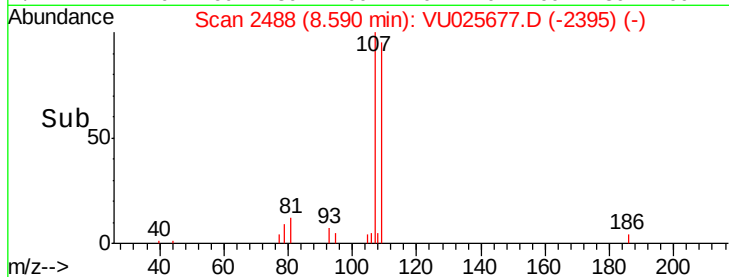
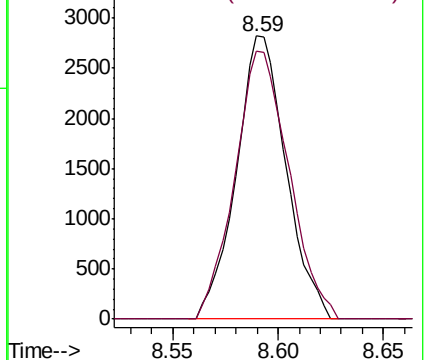
107 100

109 102.9 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

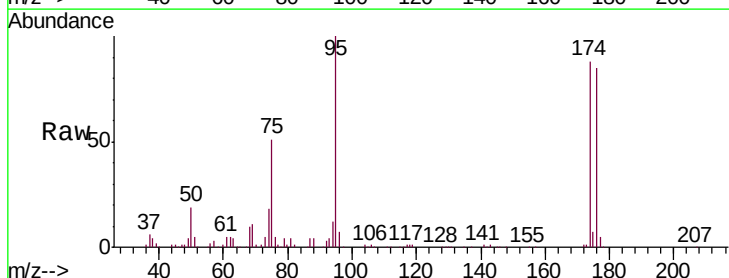
Tgt Ion: 95 Resp: 137691

Ion Ratio Lower Upper

95 100

174 87.8 0.0 172.2

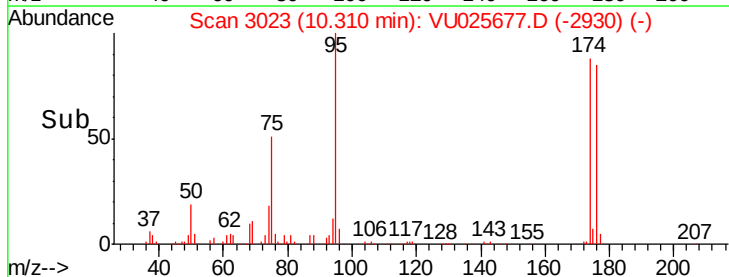
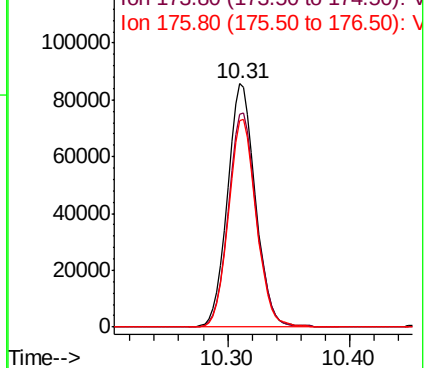
176 84.7 0.0 162.6

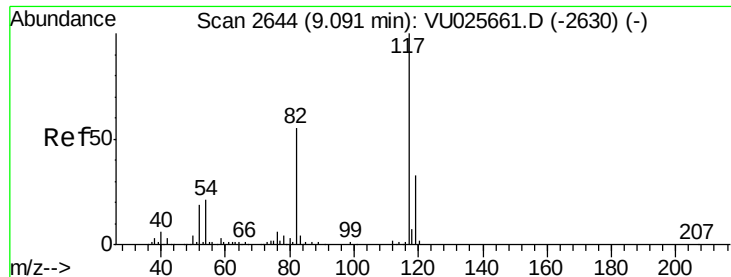


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

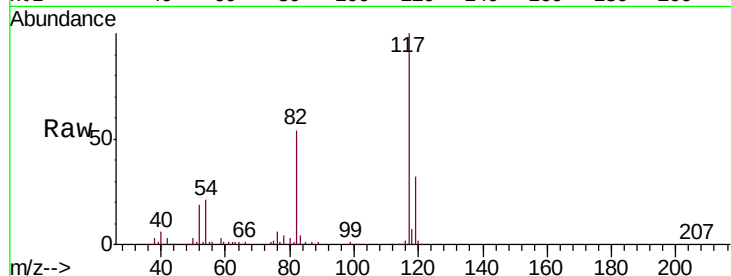




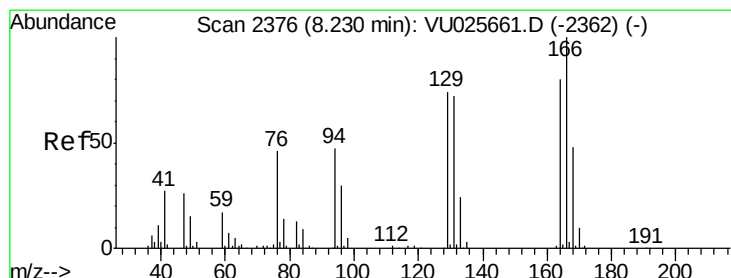
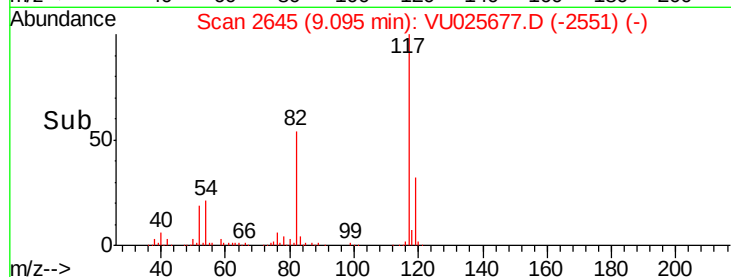
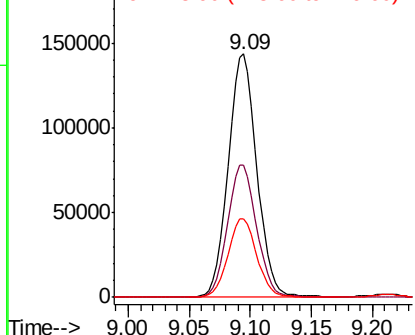
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

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

Tot Ion:117 Resp: 235936
Ion Ratio Lower Upper
117 100
82 54.4 46.0 69.0
119 32.4 26.0 39.0

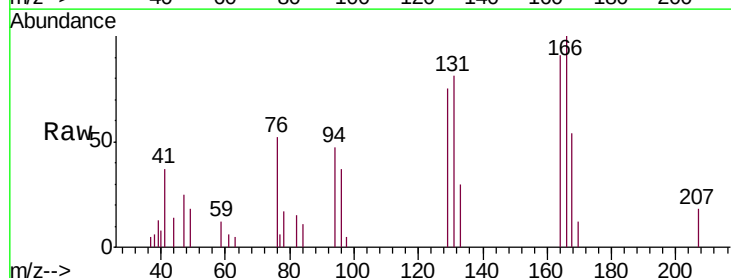


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

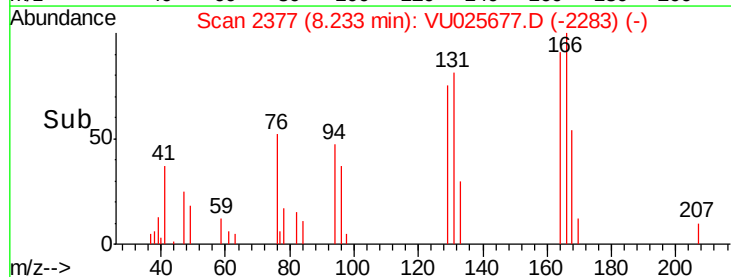
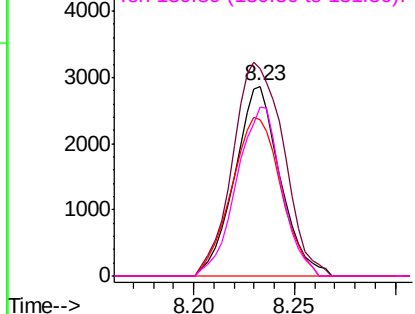


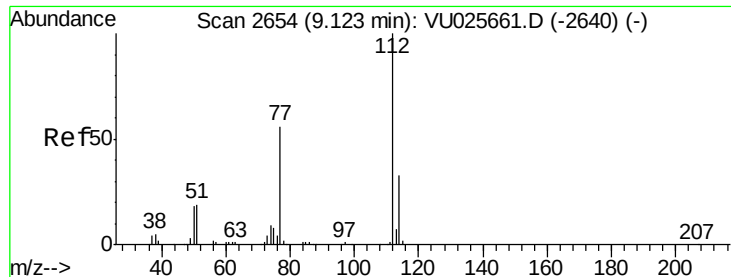
#64
Tetrachloroethene
Concen: 2.17 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion:164 Resp: 4503
Ion Ratio Lower Upper
164 100
166 109.8 101.1 151.7
129 82.7 73.0 109.6
131 88.9 72.1 108.1



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

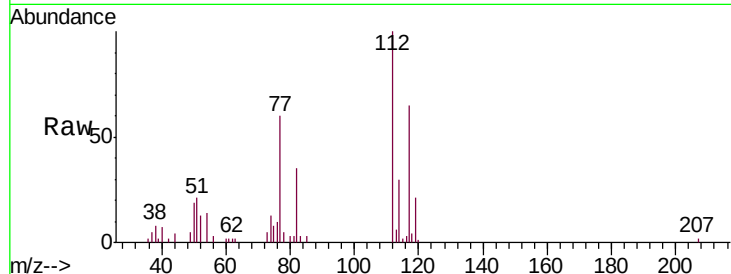




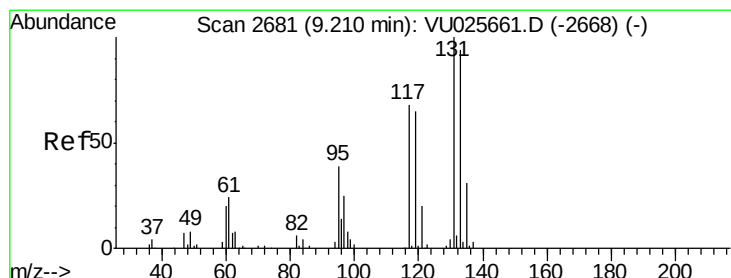
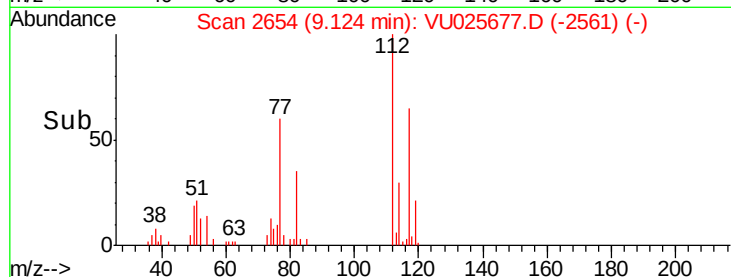
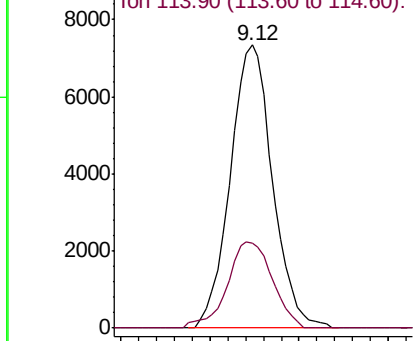
#65
Chlorobenzene
Concen: 1.98 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

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

Tot Ion:112 Resp: 12069
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8

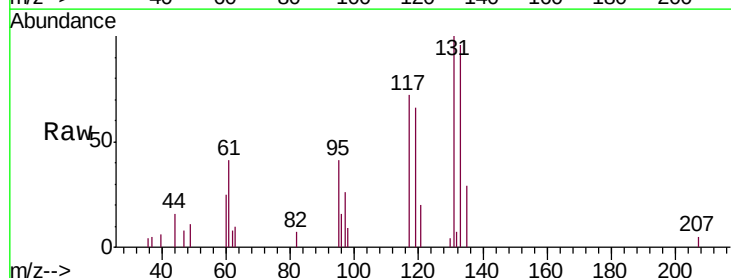


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

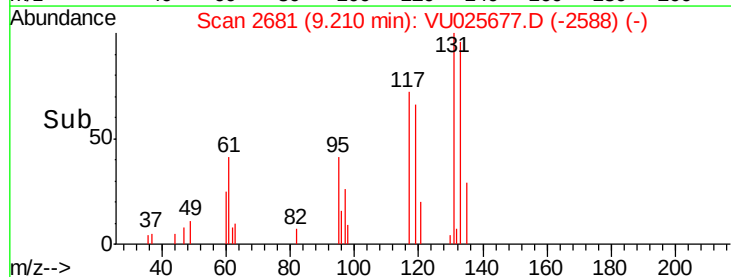
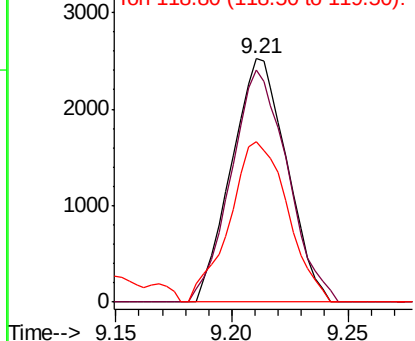


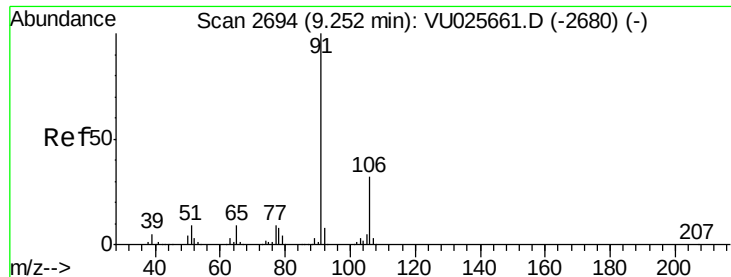
#66
1,1,1,2-Tetrachloroethane
Concen: 1.90 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion:131 Resp: 4179
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.3
119 69.0 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.99 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

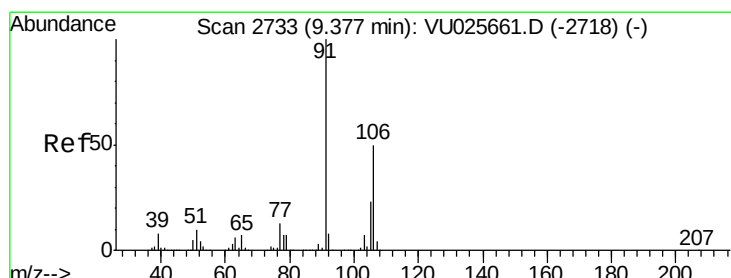
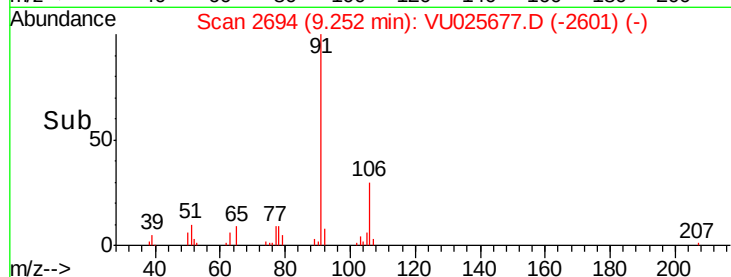
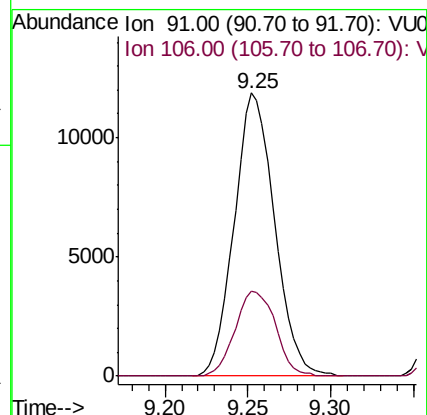
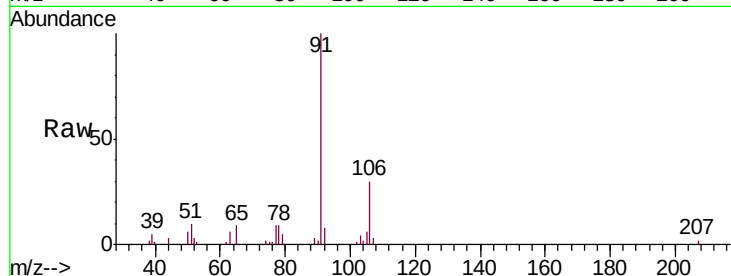
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 20091

Ion Ratio Lower Upper

91 100

106 29.8 25.3 37.9



#68

m/p-Xylenes

Concen: 3.91 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025677.D

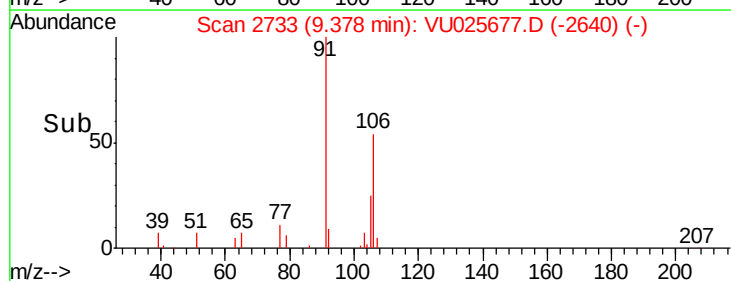
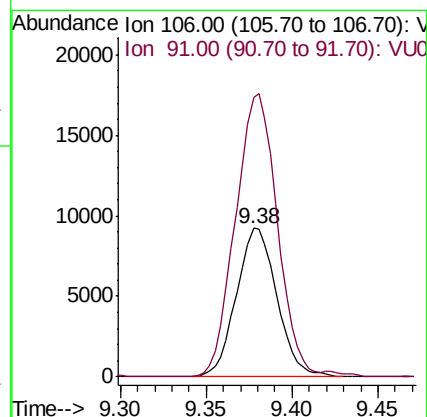
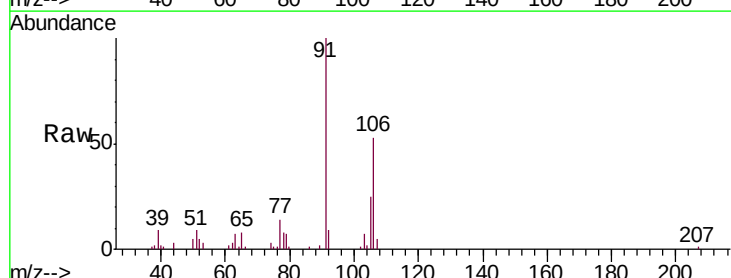
Acq: 27 Jul 2018 18:25

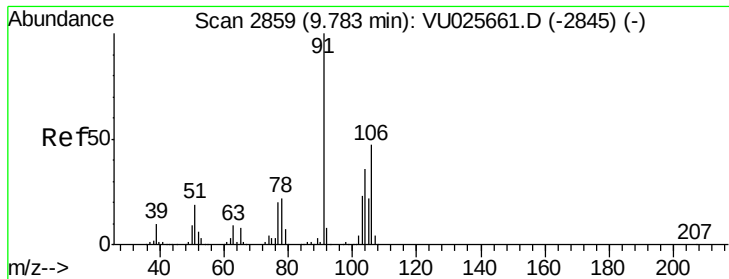
Tgt Ion: 106 Resp: 15127

Ion Ratio Lower Upper

106 100

91 196.4 162.3 243.5

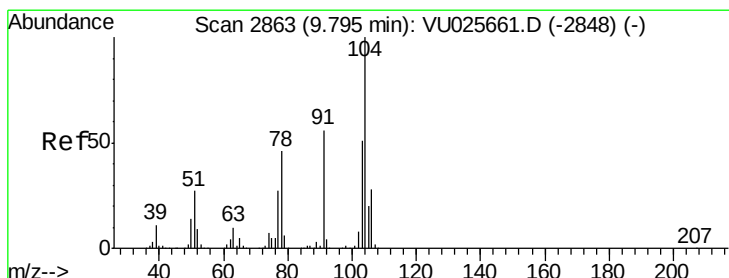
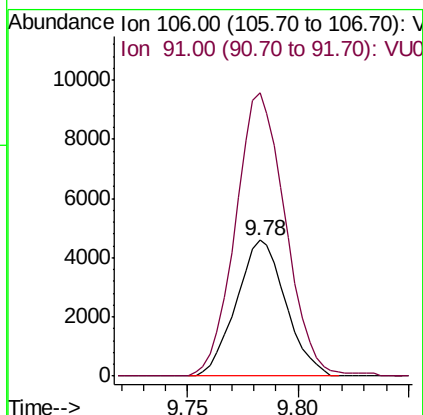
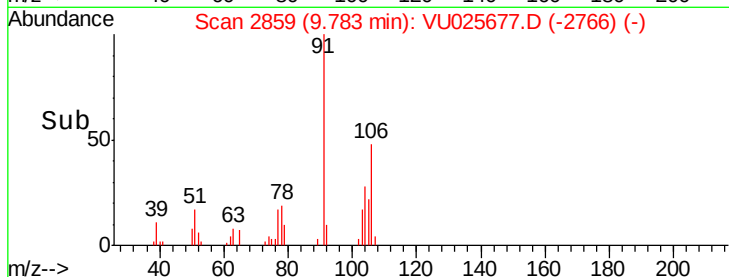
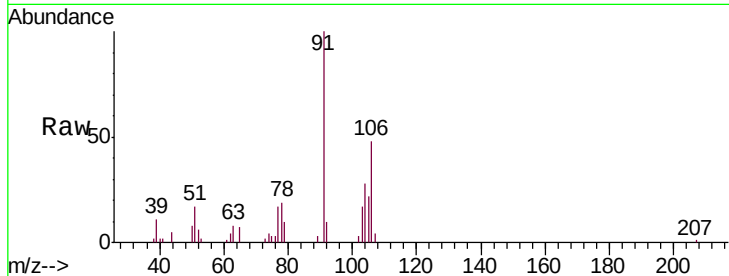




#69
o-Xylene
Concen: 1.89 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

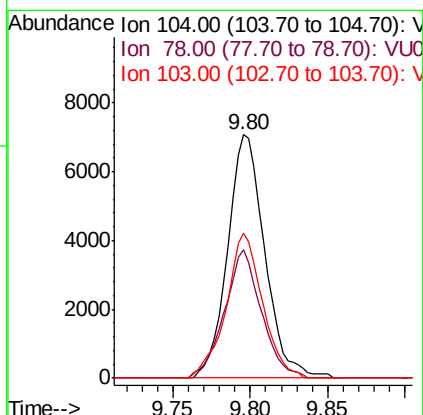
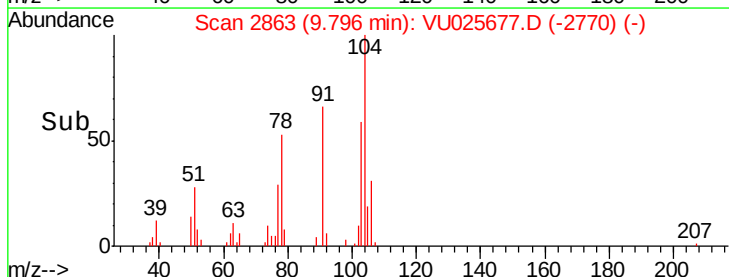
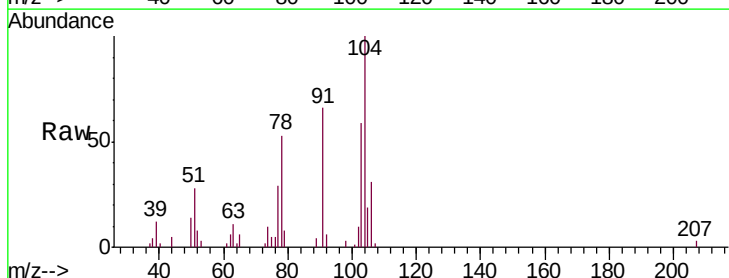
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

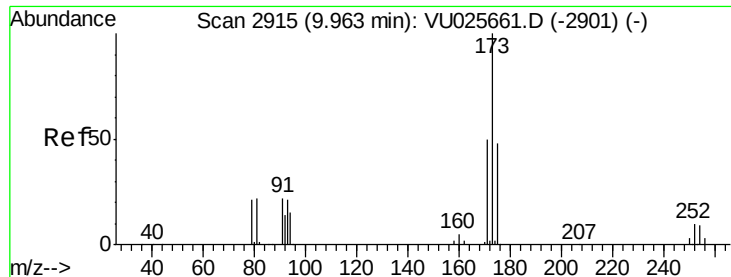
Tot Ion:106 Resp: 7134
Ion Ratio Lower Upper
106 100
91 210.7 105.3 315.8



#70
Styrene
Concen: 1.93 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion:104 Resp: 11758
Ion Ratio Lower Upper
104 100
78 52.5 41.6 62.4
103 58.2 44.6 66.8





#71

Bromoform

Concen: 1.69 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

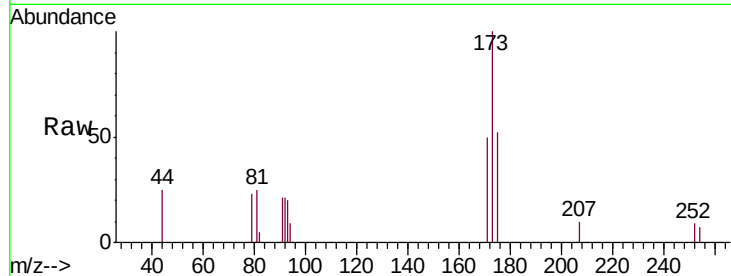
Tot Ion:173 Resp: 3224

Ion Ratio Lower Upper

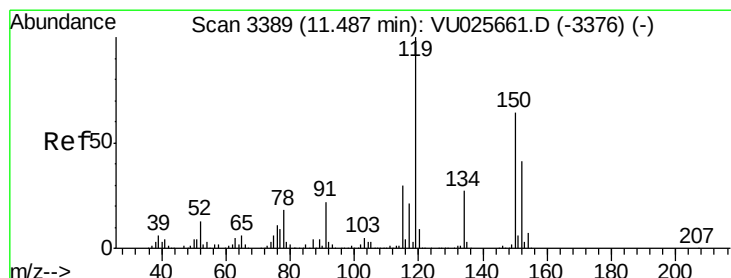
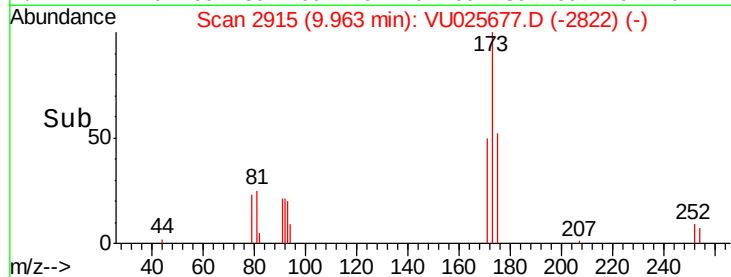
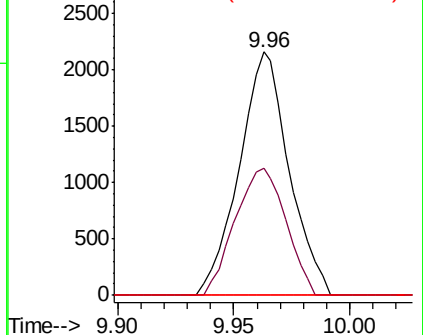
173 100

175 52.9 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

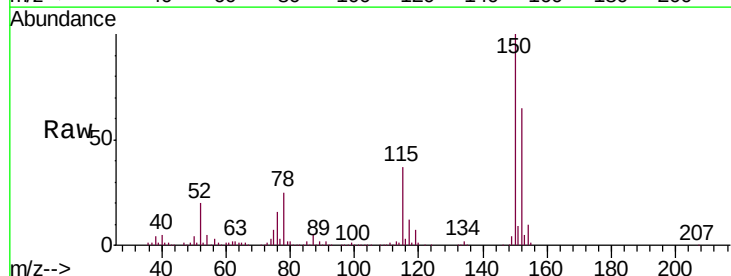
Tgt Ion:152 Resp: 139715

Ion Ratio Lower Upper

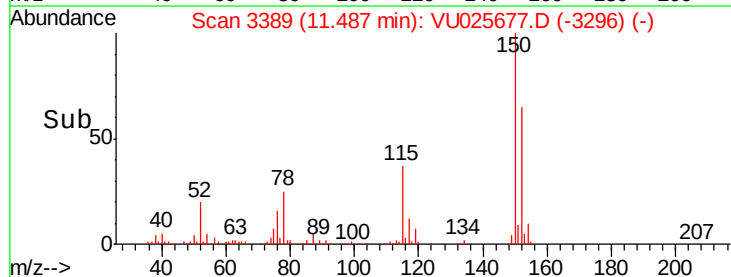
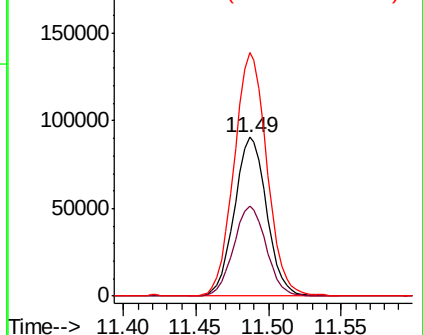
152 100

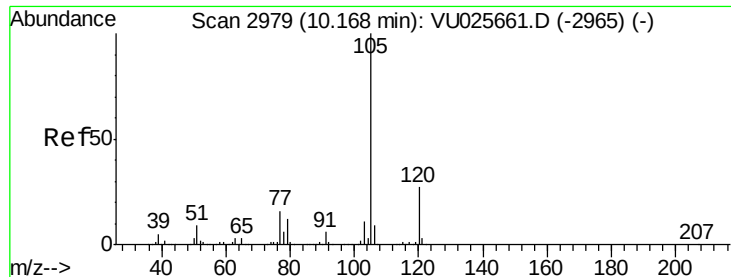
115 57.4 40.1 120.3

150 156.7 0.0 351.4



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





#73

Isopropylbenzene

Concen: 2.08 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

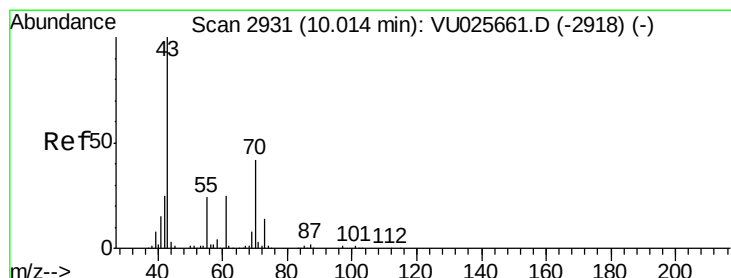
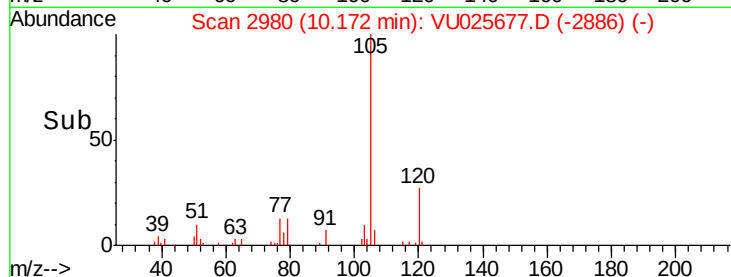
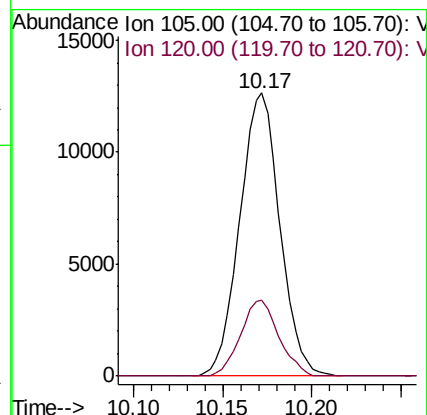
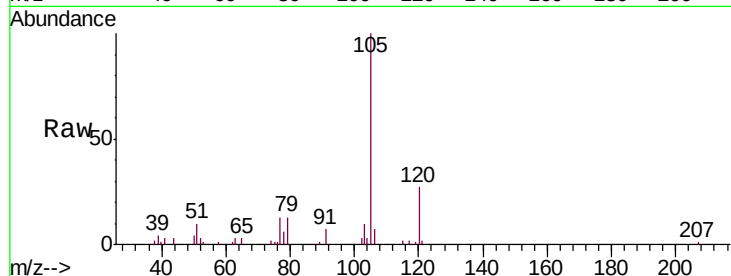
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 19867

Ion Ratio Lower Upper

105 100

120 25.6 13.5 40.5



#74

N-ethyl acetate

Concen: 2.03 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Tgt Ion: 43 Resp: 7898

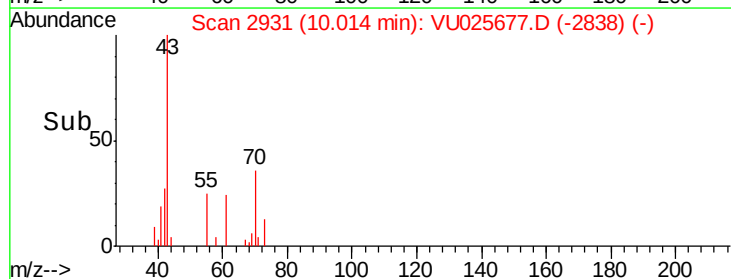
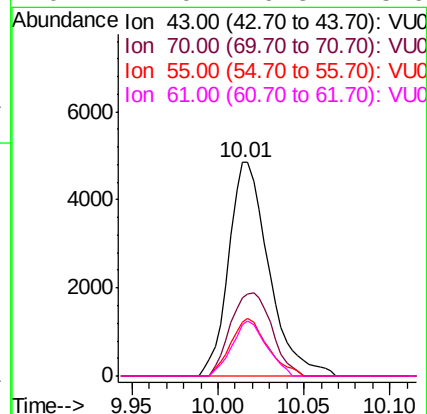
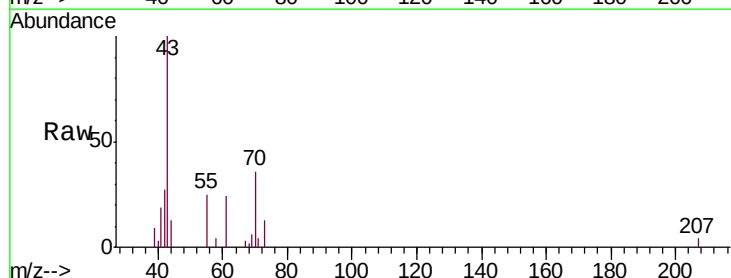
Ion Ratio Lower Upper

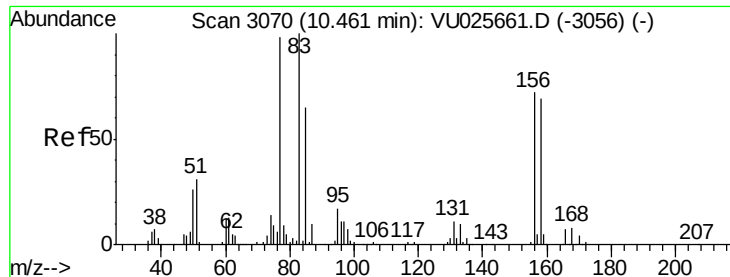
43 100

70 39.7 33.4 50.2

55 24.6 19.0 28.6

61 22.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 2.04 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

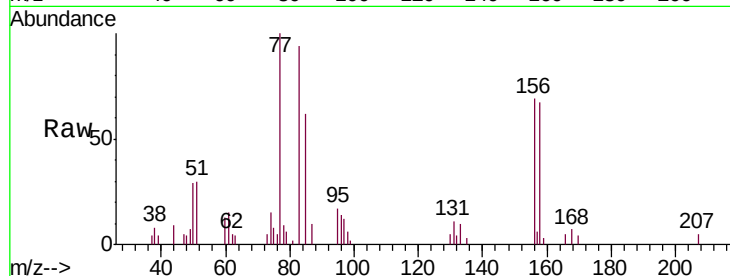
Tot Ion: 83 Resp: 6739

Ion Ratio Lower Upper

83 100

131 12.7 5.5 16.4

85 67.9 31.6 94.8

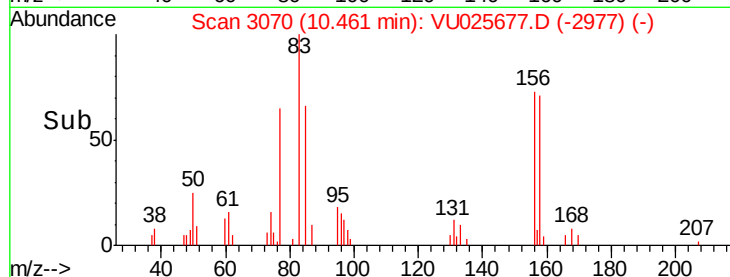


Abundance Ion 82.90 (82.60 to 83.60): VU025677.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025677.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025677.D (-2977) (-)

Time-->

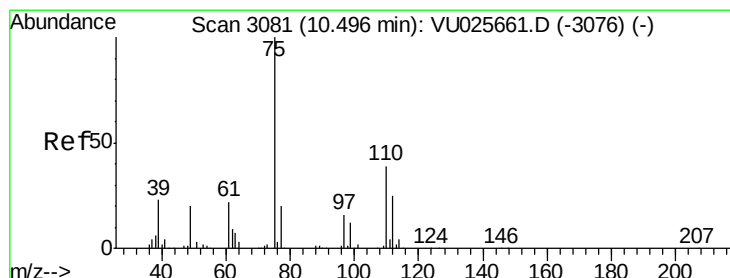


Abundance Ion 82.90 (82.60 to 83.60): VU025677.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025677.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025677.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 2.51 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025677.D

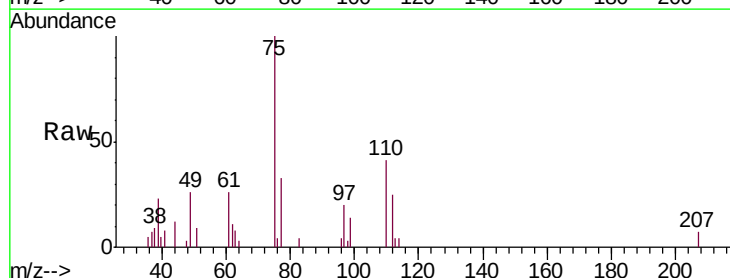
Acq: 27 Jul 2018 18:25

Tgt Ion: 75 Resp: 7731

Ion Ratio Lower Upper

75 100

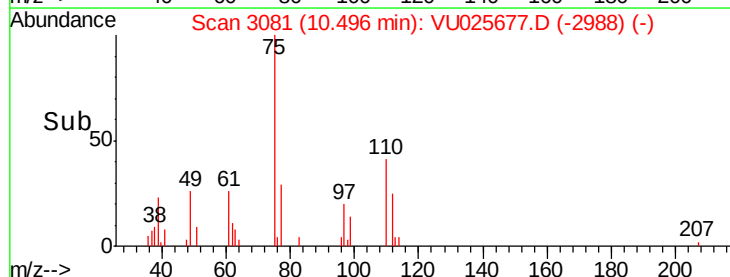
77 33.9 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025677.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025677.D (-2988) (-)

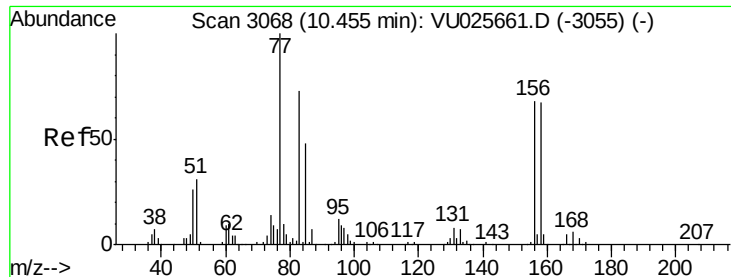
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU025677.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025677.D (-2988) (-)

Time-->



#77

Bromobenzene

Concen: 2.03 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

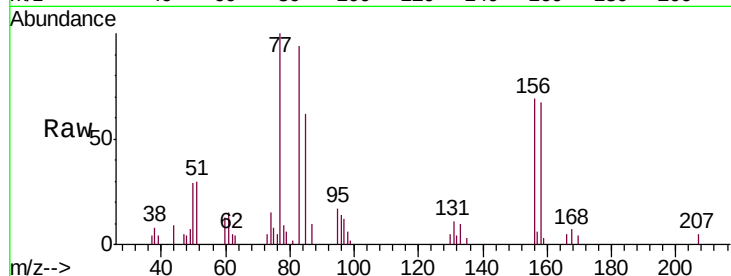
Tot Ion:156 Resp: 5348

Ion Ratio Lower Upper

156 100

77 159.1 73.8 221.4

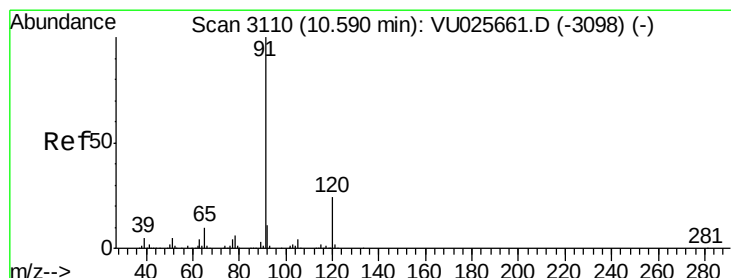
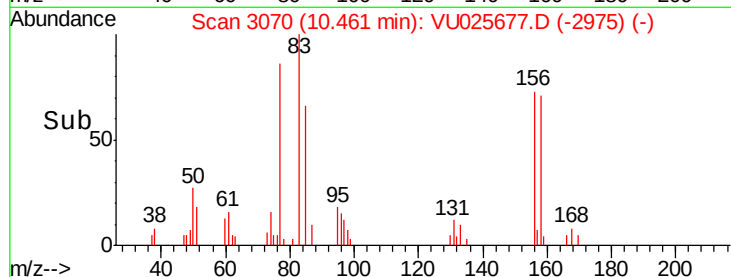
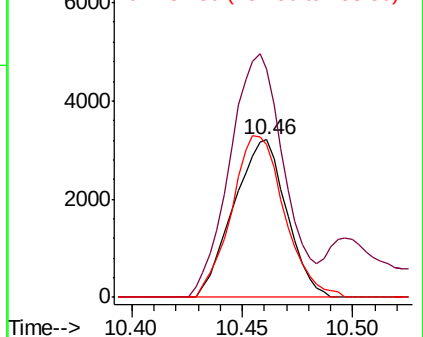
158 102.7 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.07 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025677.D

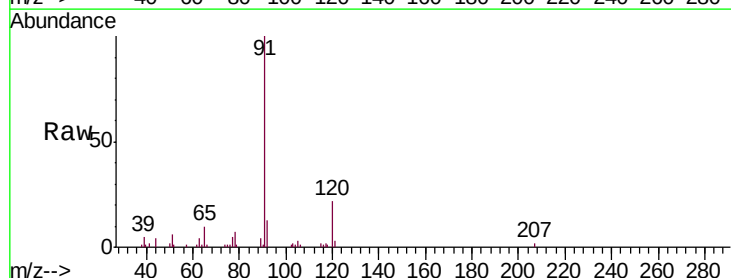
Acq: 27 Jul 2018 18:25

Tgt Ion: 91 Resp: 23082

Ion Ratio Lower Upper

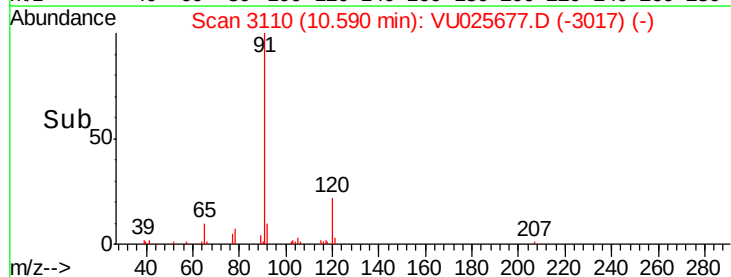
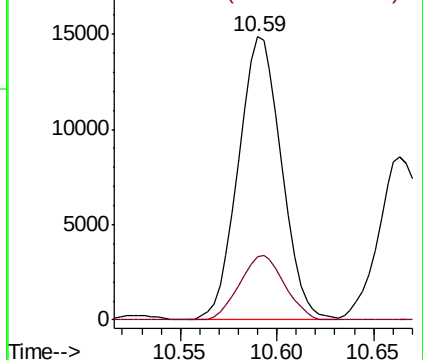
91 100

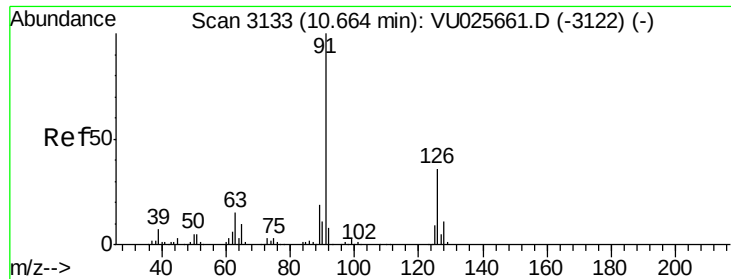
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.11 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

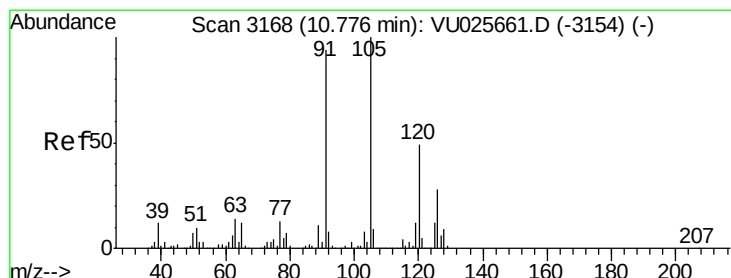
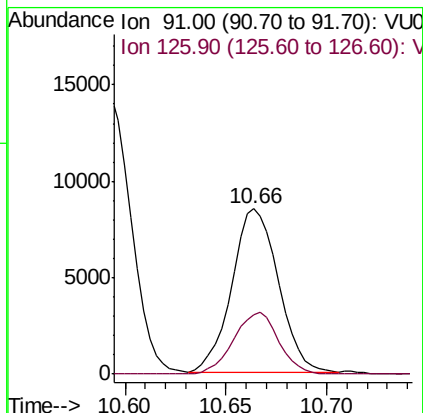
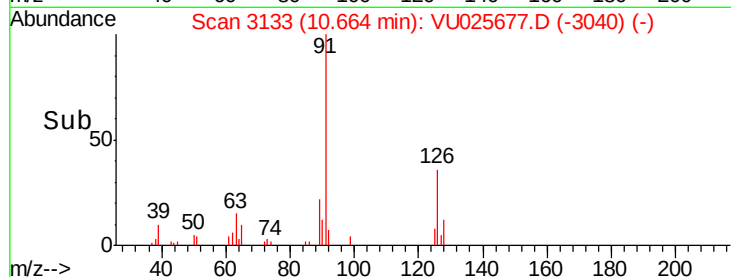
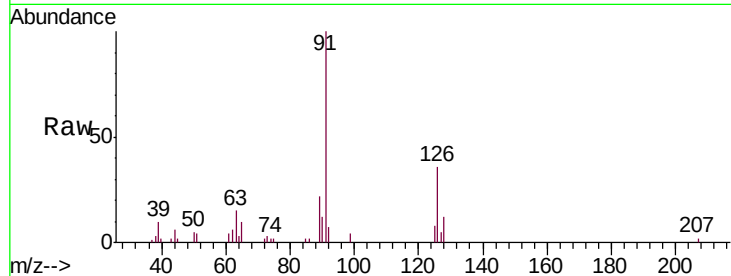
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 13728

Ion Ratio Lower Upper

91 100

126 36.2 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 1.97 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025677.D

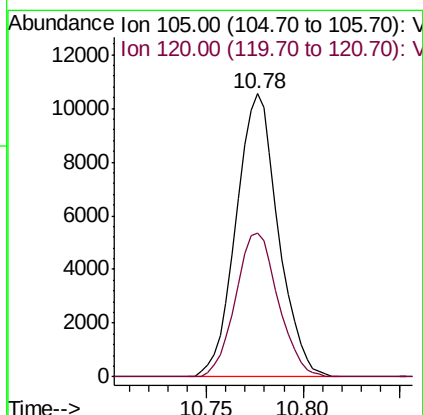
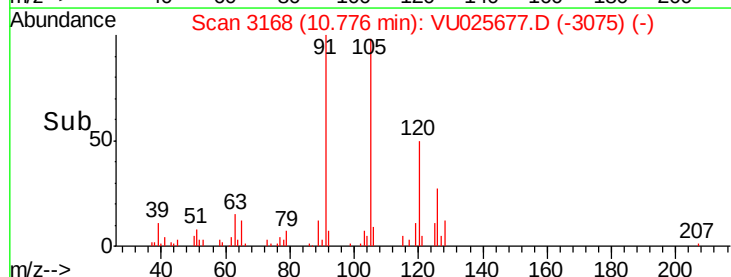
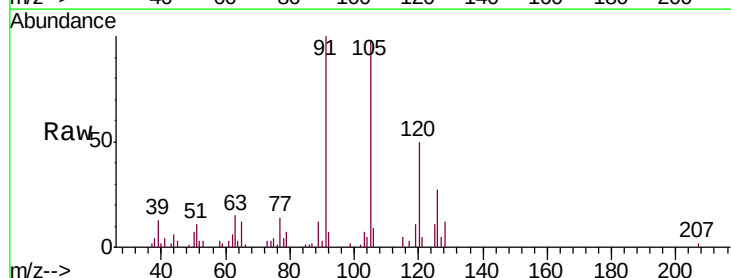
Acq: 27 Jul 2018 18:25

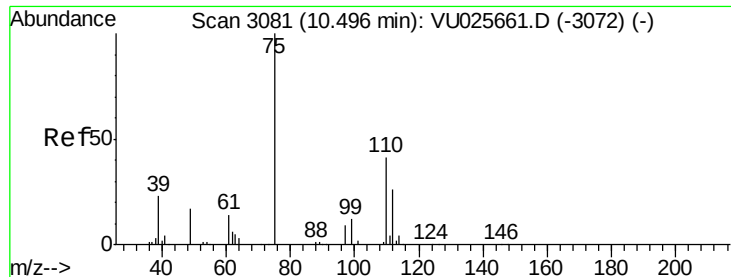
Tgt Ion:105 Resp: 15951

Ion Ratio Lower Upper

105 100

120 51.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 6.30 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

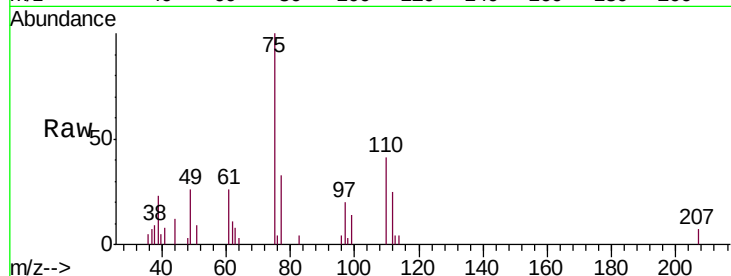
Tot Ion: 75 Resp: 7731

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

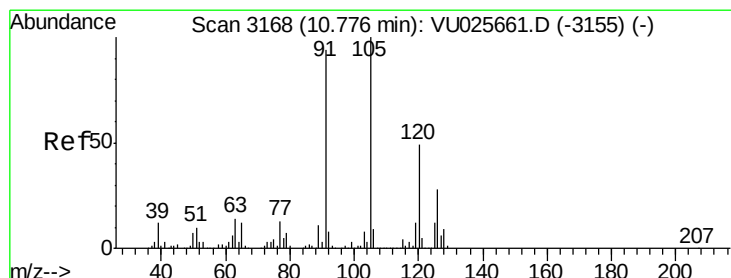
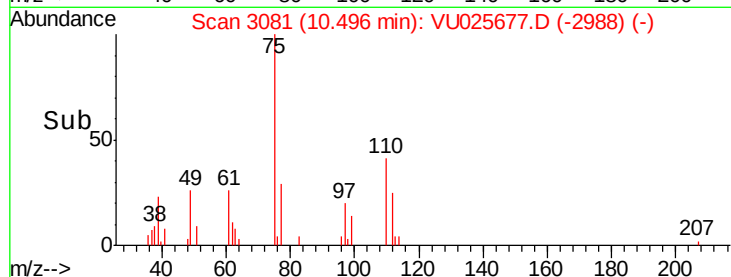
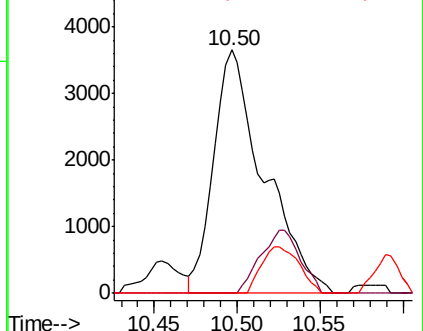
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 2.14 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025677.D

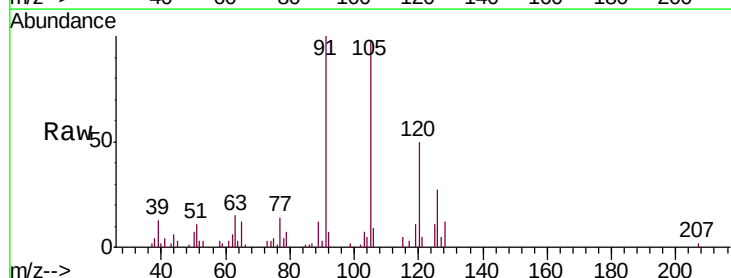
Acq: 27 Jul 2018 18:25

Tgt Ion: 91 Resp: 16477

Ion Ratio Lower Upper

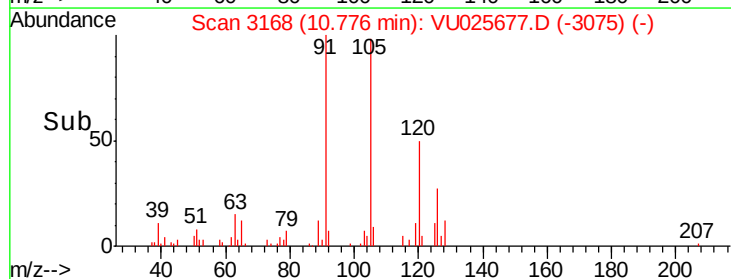
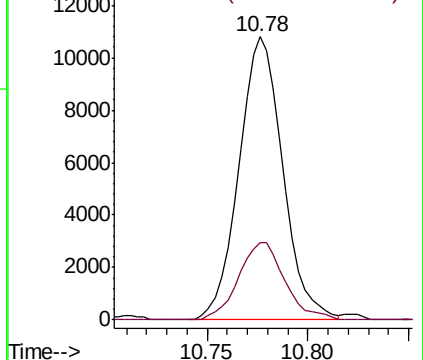
91 100

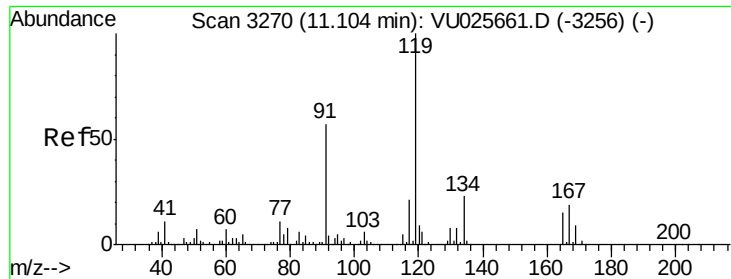
126 28.8 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

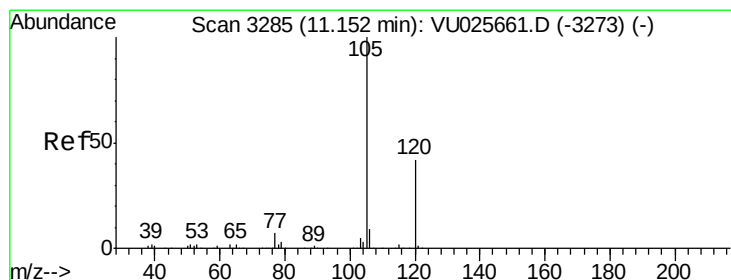
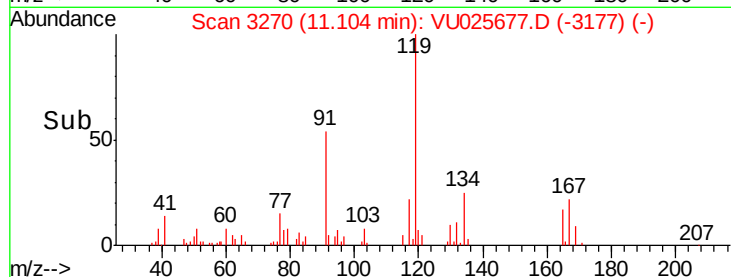
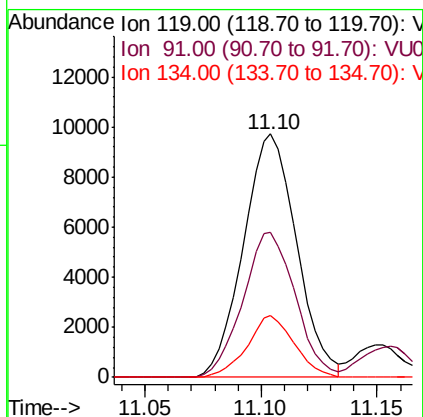
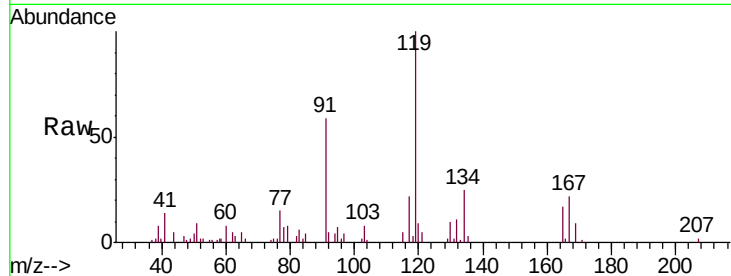




#83
 tert-Butylbenzene
 Concen: 1.93 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

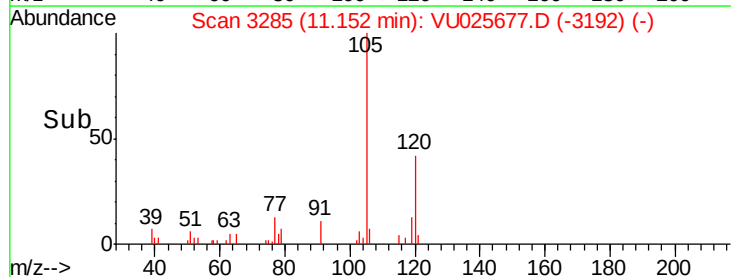
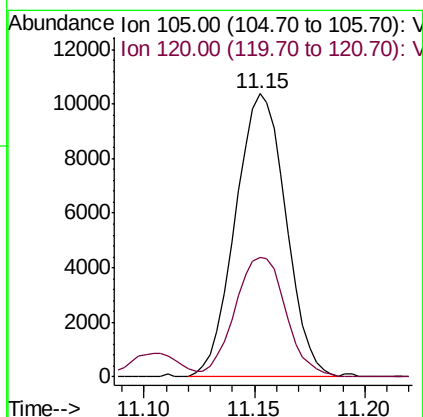
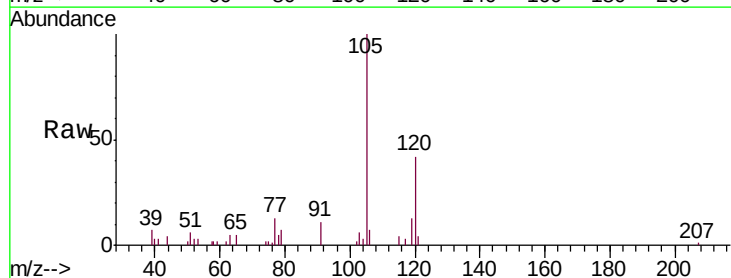
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

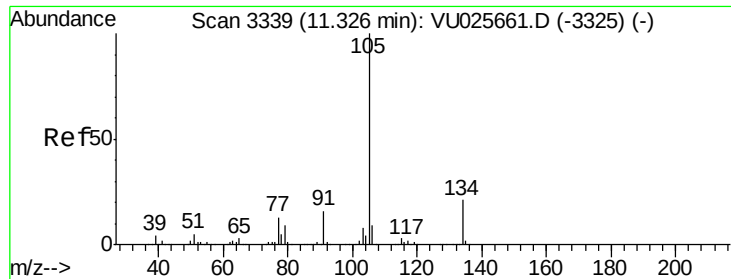
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.7	89.1
134	22.5	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 2.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 1.99 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

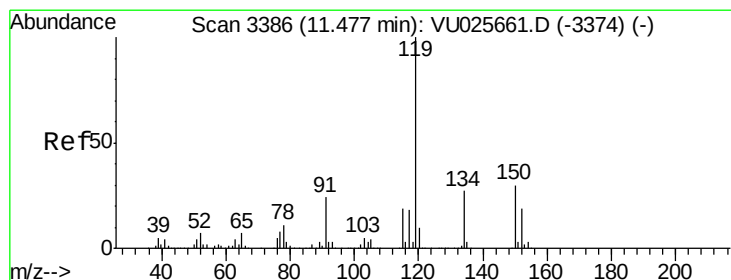
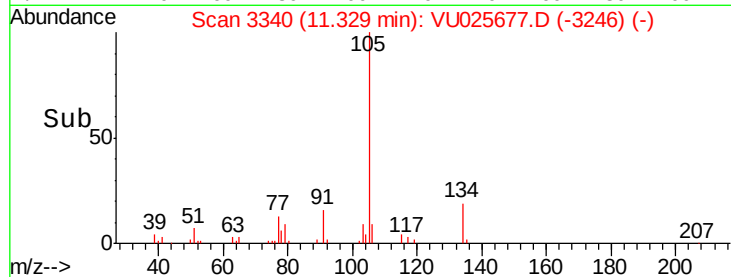
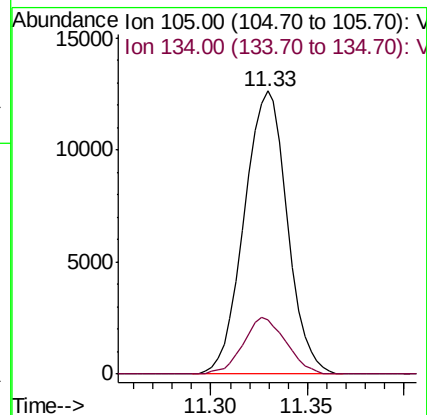
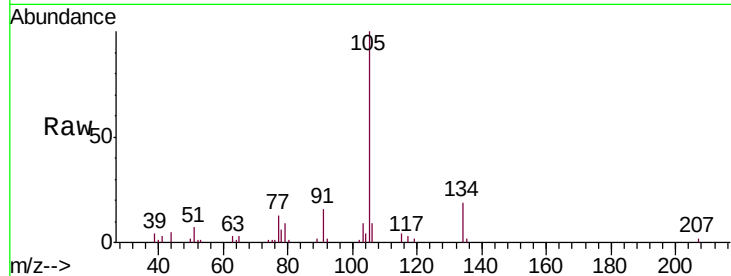
LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 19587

Ion Ratio Lower Upper

105 100

134 19.8 10.3 30.8



#86

p-Isopropyltoluene

Concen: 1.98 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

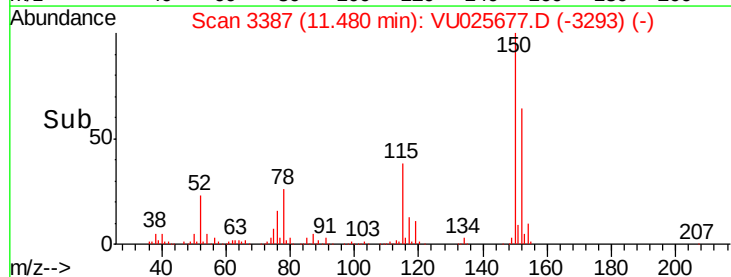
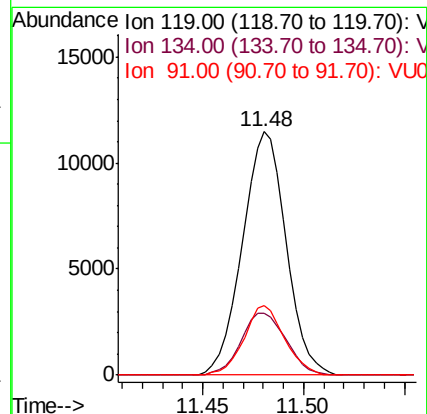
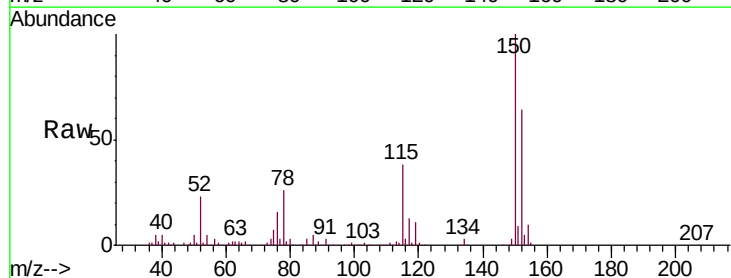
Tgt Ion:119 Resp: 17395

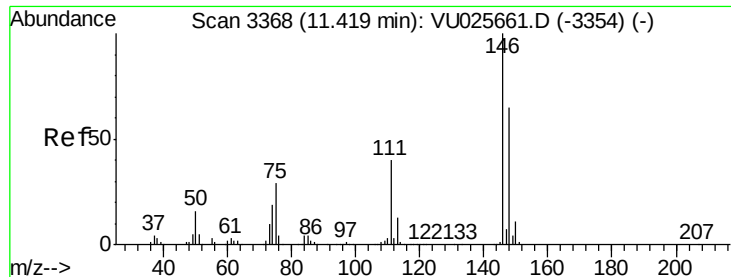
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 26.5 12.0 36.1

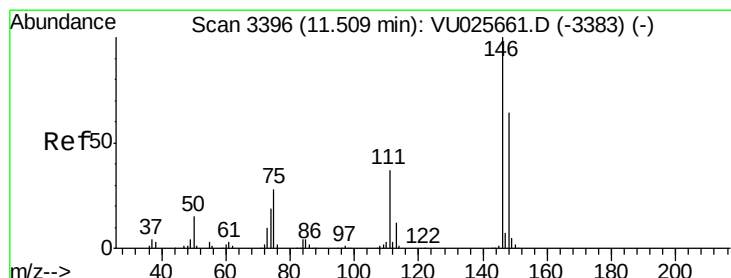
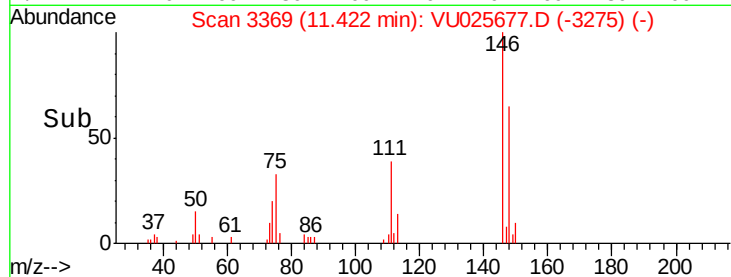
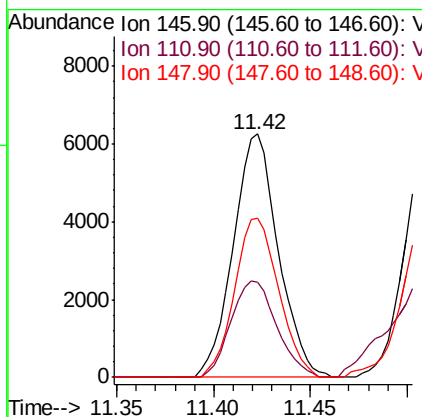
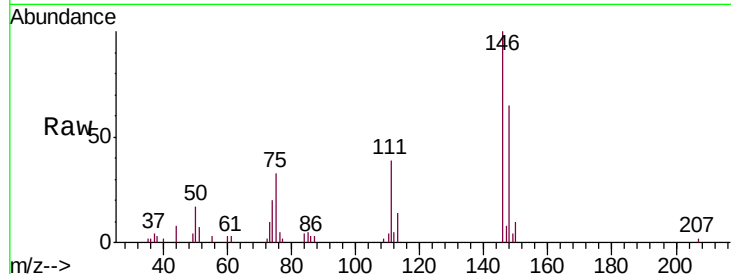




#87
 1,3-Dichlorobenzene
 Concen: 2.07 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

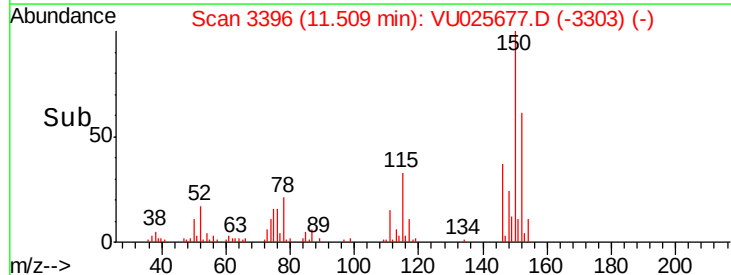
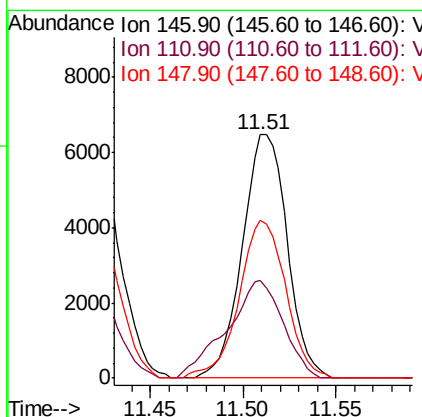
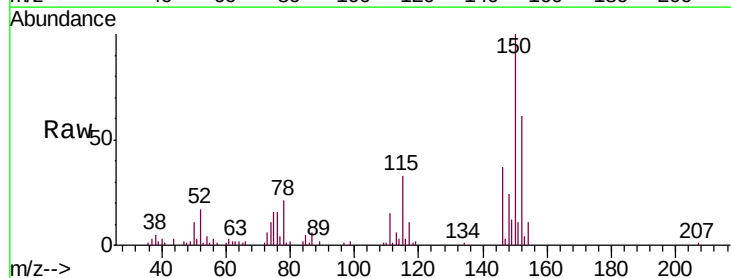
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

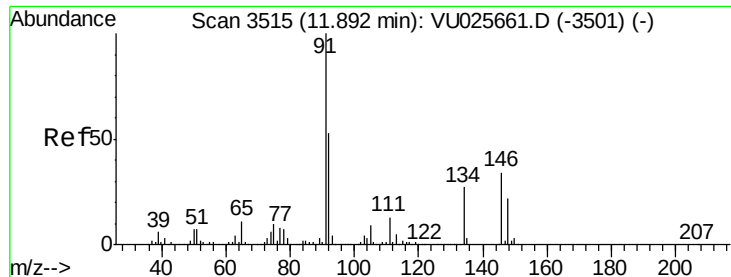
Tot Ion:146 Resp: 10119
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.7 59.1
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.15 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion:146 Resp: 10934
 Ion Ratio Lower Upper
 146 100
 111 49.9 19.4 58.1
 148 67.4 31.7 95.1

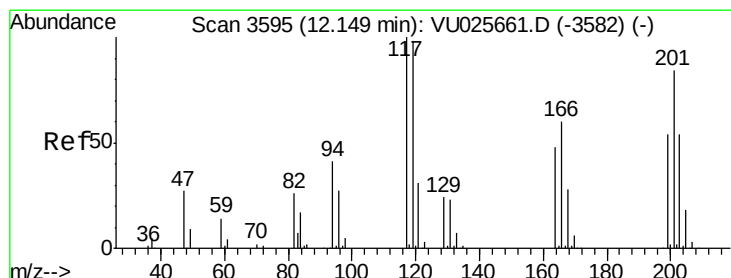
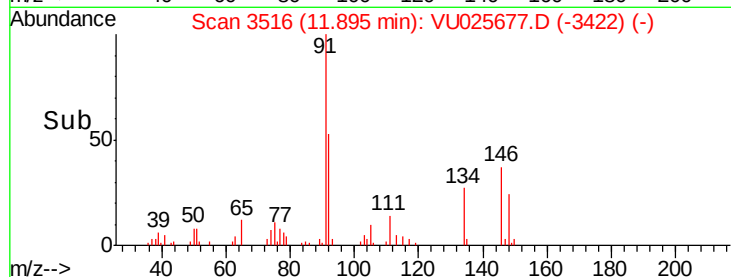
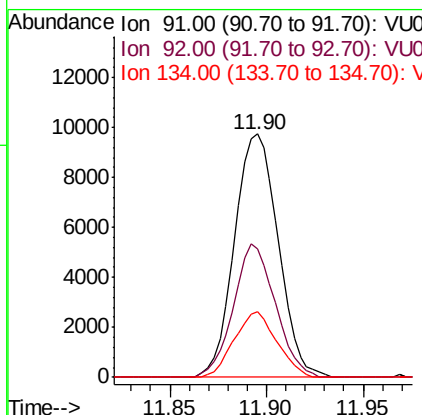
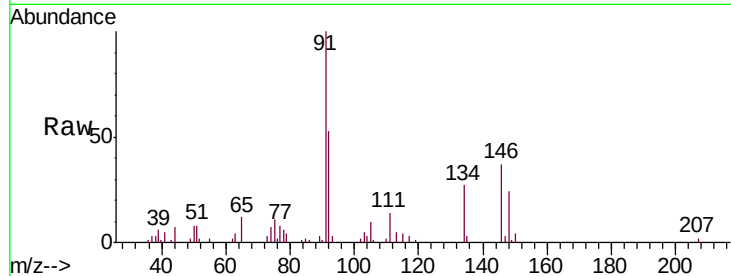




#89
n-Butylbenzene
Concen: 1.89 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

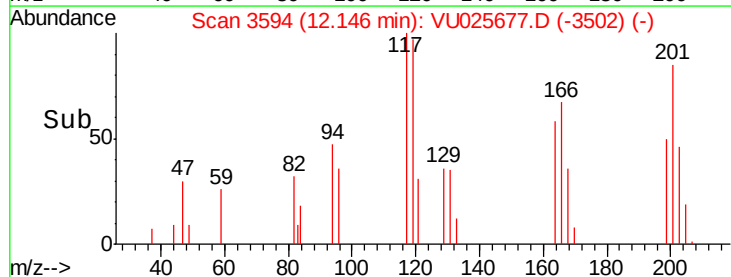
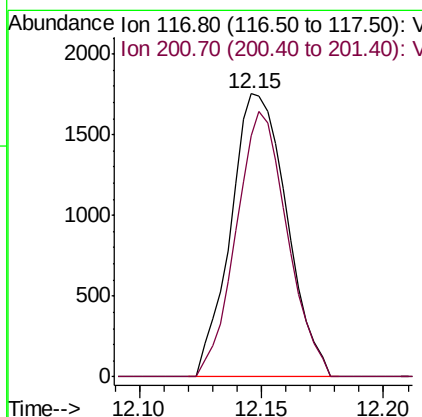
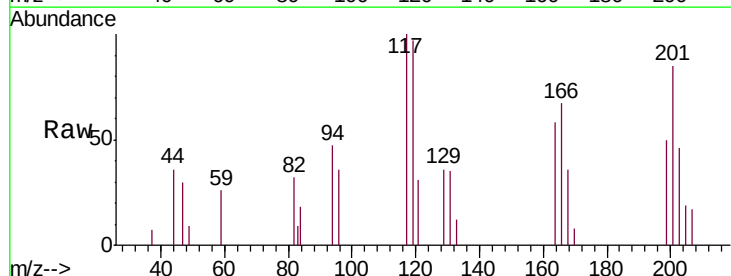
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

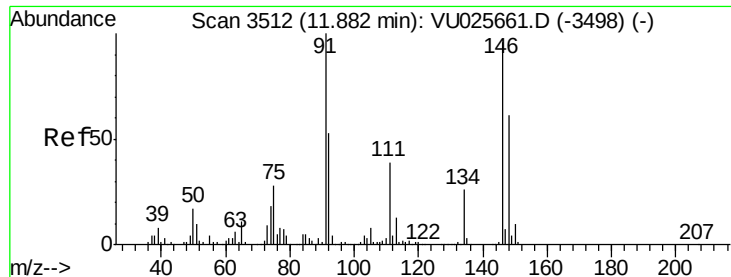
Tot Ion: 91 Resp: 15309
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 26.3 13.6 40.7



#90
Hexachloroethane
Concen: 1.79 ug/l
RT: 12.15 min Scan# 3594
Delta R.T. -0.00 min
Lab File: VU025677.D
Acq: 27 Jul 2018 18:25

Tgt Ion: 117 Resp: 2794
Ion Ratio Lower Upper
117 100
201 85.5 42.5 127.6

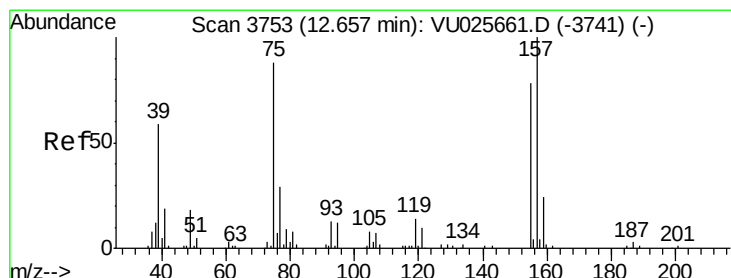
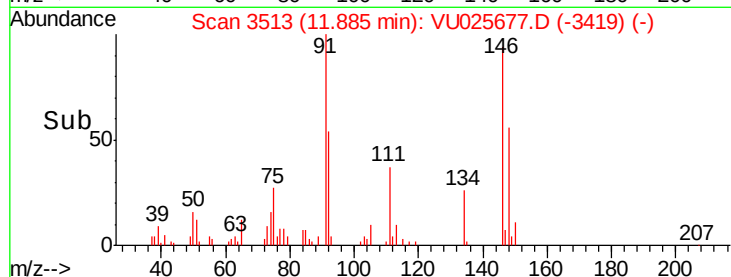
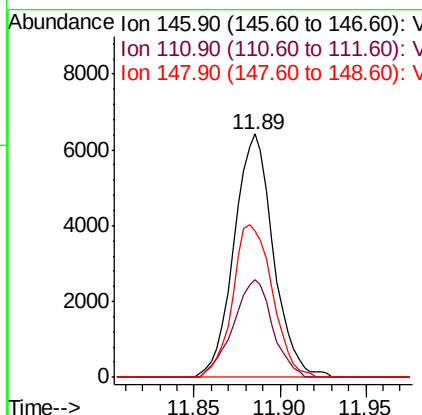
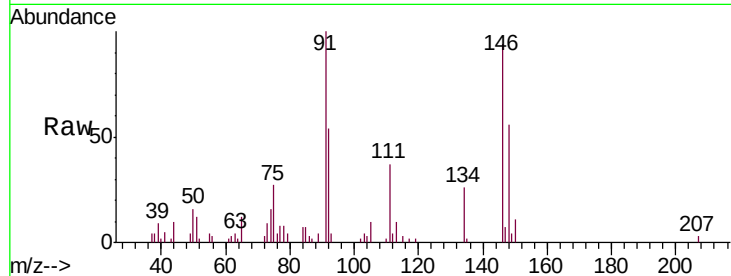




#91
 1,2-Dichlorobenzene
 Concen: 2.13 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

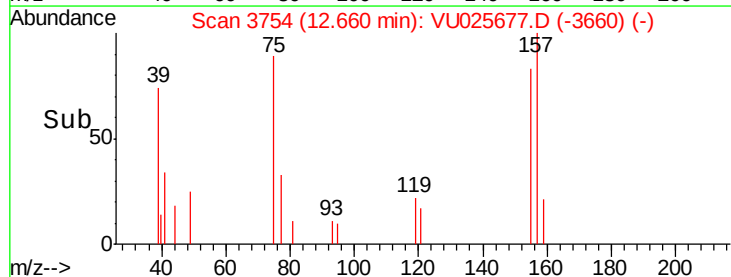
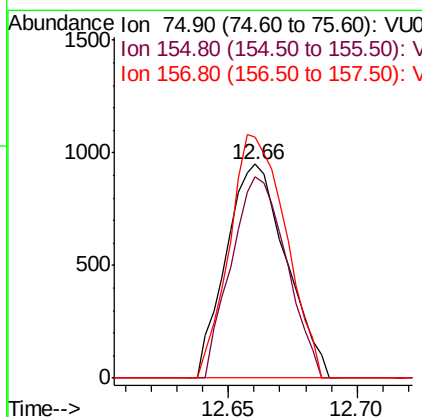
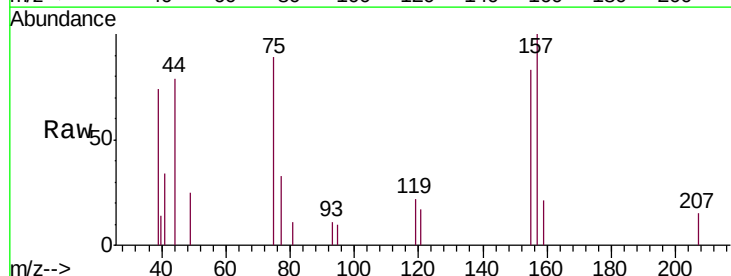
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

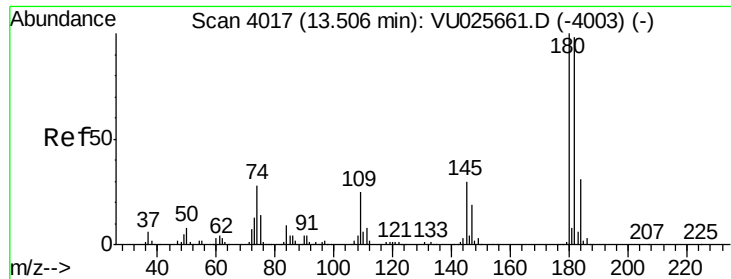
Tot Ion:146 Resp: 10201
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.6 61.8
 148 63.5 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.98 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion: 75 Resp: 1545
 Ion Ratio Lower Upper
 75 100
 155 86.3 44.5 133.3
 157 107.0 57.0 170.8

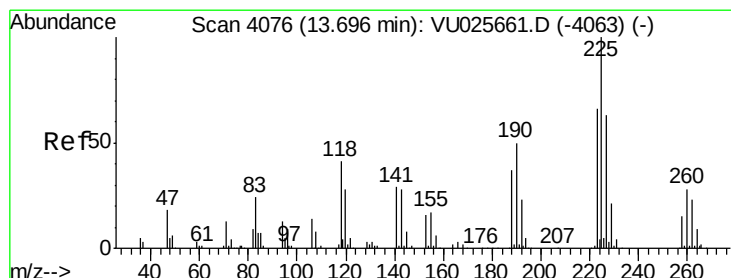
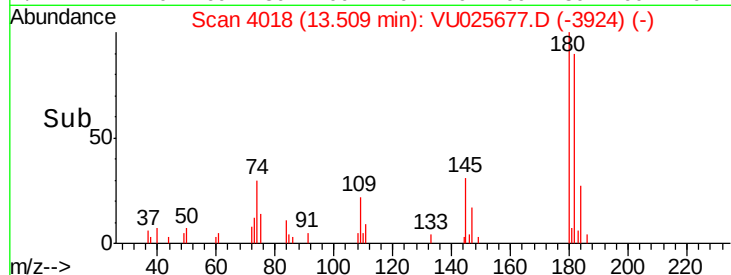
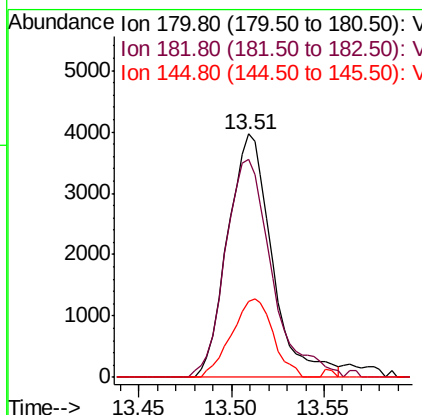
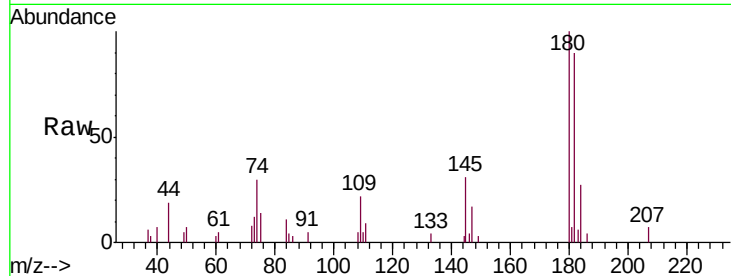




#93
 1,2,4-Trichlorobenzene
 Concen: 2.03 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

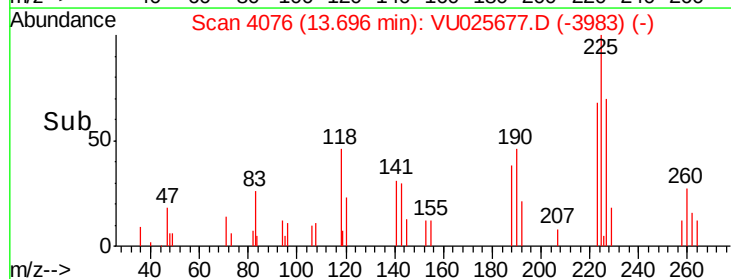
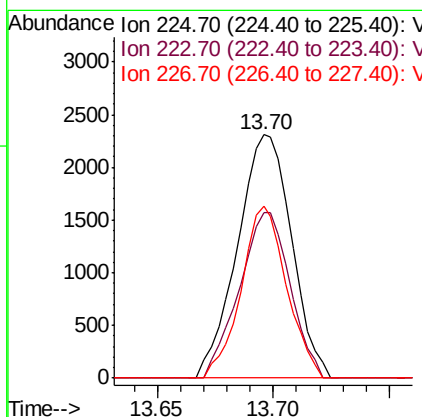
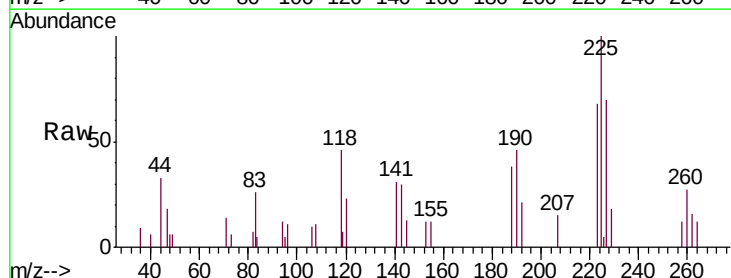
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

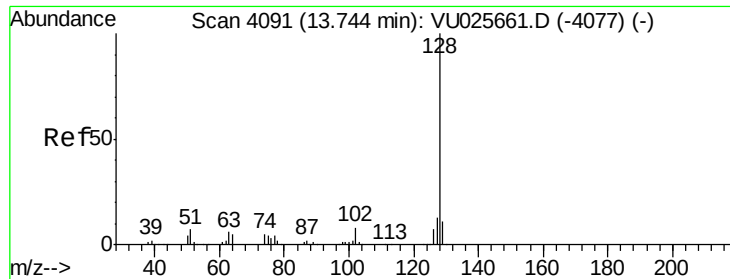
Tot Ion:180 Resp: 6569
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 141.9
 145 30.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 2.20 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025677.D
 Acq: 27 Jul 2018 18:25

Tgt Ion:225 Resp: 3742
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.7
 227 59.4 32.3 96.9





#95

Naphthalene

Concen: 2.92 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

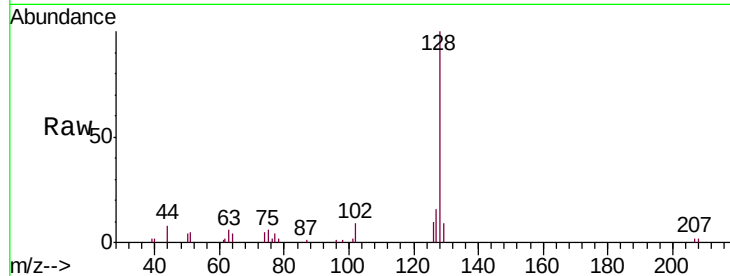
Tot Ion:128 Resp: 17815

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

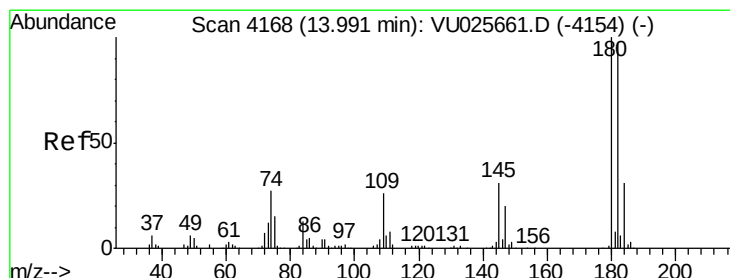
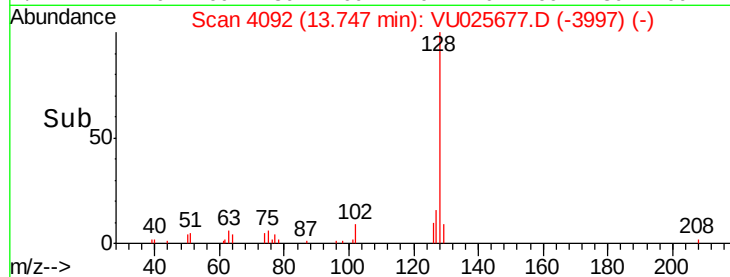
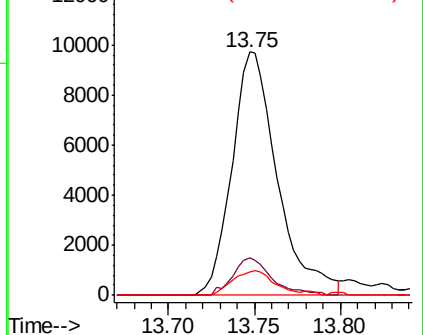
129 9.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.92 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025677.D

Acq: 27 Jul 2018 18:25

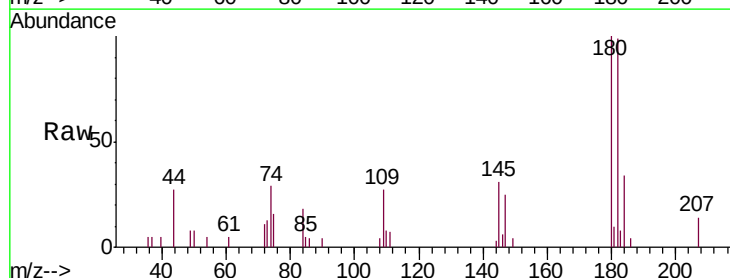
Tgt Ion:180 Resp: 6190

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 27.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

