

Data File : VU033204.D
Acq On : 11 Jul 2019 22:46
Operator : JC/SP
Sample : K3591-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Quant Time: Jul 12 05:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 05:19:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	29287	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	9655	0.87	ug/l	0.00
Spiked Amount	1.000		Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10620	0.89	ug/l	0.00
Spiked Amount	1.000		Recovery	=	89.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5720	0.500 ug/l	96
3) Chloromethane	1.33	50	6494	0.486 ug/l	100
4) Vinyl Chloride	1.40	62	6777	0.492 ug/l	98
5) Bromomethane	1.62	94	4989	0.580 ug/l	98
6) Chloroethane	1.69	64	4200	0.497 ug/l	94
7) Trichlorofluoromethane	1.88	101	8832	0.474 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4593	0.480 ug/l	96
9) 1,1-Dichloroethene	2.27	96	4632	0.479 ug/l	91
10) Iodomethane	2.40	142	4242	0.416 ug/l	91
11) Allyl Chloride	2.58	41	7681	0.476 ug/l	97
12) Acrylonitrile	2.92	53	3101	1.159 ug/l	93
13) Acetone	2.31	43	5929	2.471 ug/l	96
14) Carbon Disulfide	2.46	76	16728	0.474 ug/l	98
15) Methylene Chloride	2.68	84	7683	0.595 ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	5630	0.509 ug/l	95
17) 1,1-Dichloroethane	3.42	63	7758	0.483 ug/l	96
18) 2-Butanone	4.27	43	5487	2.289 ug/l	99
19) Cyclohexane	4.96	56	4891	0.398 ug/l #	78
20) Methylcyclohexane	6.40	83	4921	0.382 ug/l	89
21) 2,2-Dichloropropane	4.20	77	5854	0.434 ug/l	96
22) cis-1,2-Dichloroethene	4.20	96	3973	0.432 ug/l	91
23) Diethyl Ether	2.09	59	3823	0.454 ug/l	84
24) tert-Butyl Alcohol	2.82	59	4807	4.682 ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	13194	0.468 ug/l	97
26) Bromochloromethane	4.53	128	1713	0.421 ug/l	82
27) Chloroform	4.65	83	9693	0.546 ug/l	96
28) 1,1,1-Trichloroethane	4.89	97	6722	0.479 ug/l	99
29) 1,1-Dichloropropene	5.11	75	5395	0.456 ug/l #	85
30) Carbon Tetrachloride	5.11	117	5834	0.470 ug/l	94
31) Isopropyl Ether	3.56	45	9772	0.453 ug/l	88
32) Ethyl-t-butyl ether	4.05	59	9364	0.445 ug/l	99
33) Tert-Amyl methyl ether	5.56	73	7978	0.412 ug/l	96
34) Propionitrile	4.31	54	331	0.487 ug/l #	1
35) Benzene	5.37	78	16126	0.467 ug/l	93
36) 1,2-Dichloroethane	5.39	62	5302	0.474 ug/l #	85
37) Trichloroethene	6.17	130	4139	0.459 ug/l	92
38) 1,2-Dichloropropane	6.41	63	4291	0.459 ug/l	100
39) Methacrylonitrile	4.54	41	1069	0.380 ug/l #	71
40) Methyl acrylate	4.42	55	1041	0.250 ug/l #	74
41) Tetrahydrofuran	4.63	42	670	0.454 ug/l #	71
42) 1-Chlorobutane	5.04	56	7101	0.442 ug/l	92

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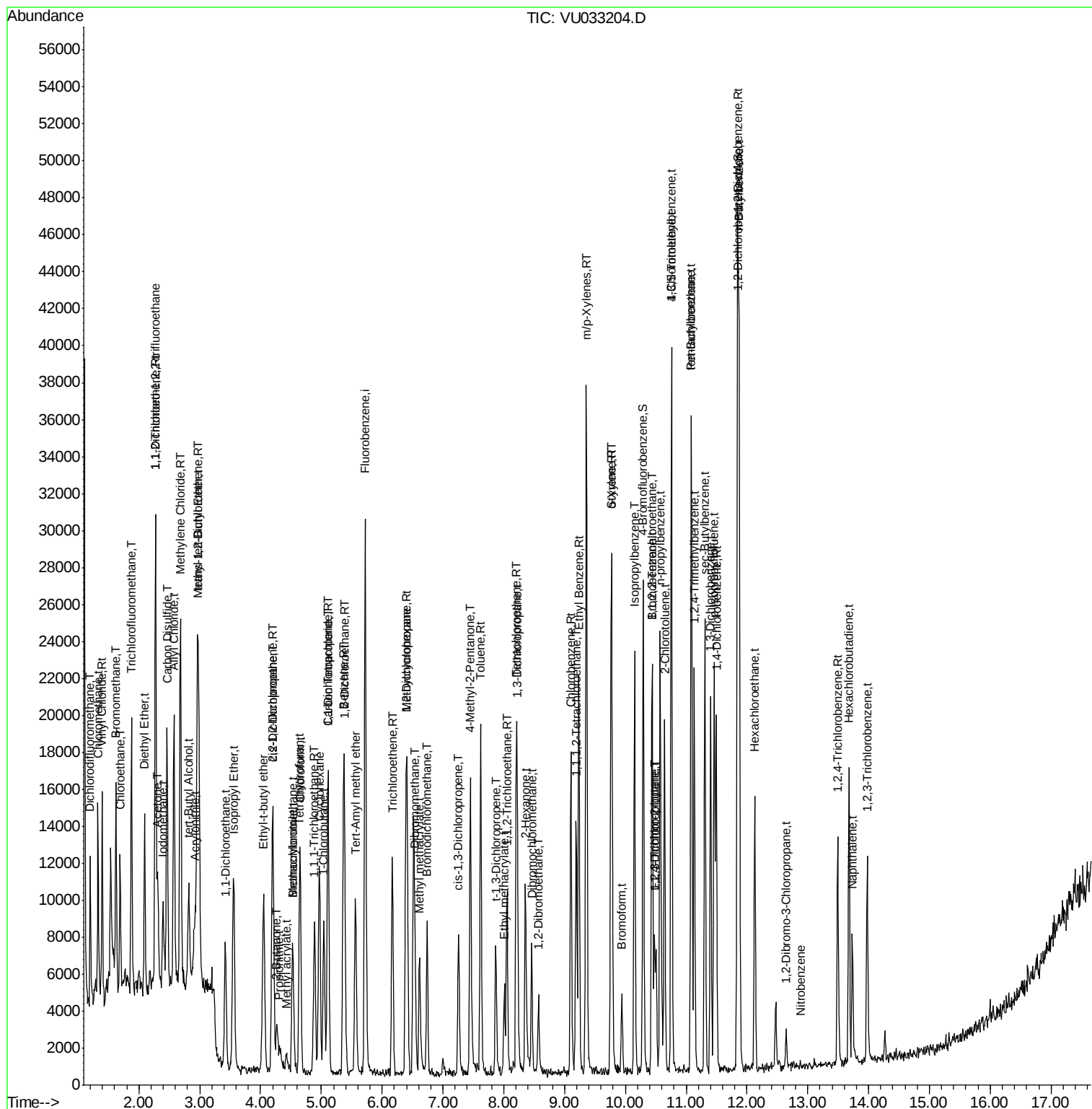
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	2206	0.442	ug/l #	75
44) Bromodichloromethane	6.74	83	5572	0.453	ug/l #	94
45) 4-Methyl-2-Pentanone	7.45	43	11807	2.099	ug/l	98
46) t-1,4-Dichloro-2-butene	10.48	75	3005	1.255	ug/l #	67
47) Methyl methacrylate	6.62	69	3330	0.824	ug/l	94
48) Ethyl methacrylate	8.01	69	2801	0.369	ug/l	95
49) Toluene	7.62	92	8426	0.414	ug/l	97
50) t-1,3-Dichloropropene	7.87	75	4565	0.418	ug/l #	86
51) cis-1,3-Dichloropropene	7.25	75	4963	0.393	ug/l #	90
52) 1,1,2-Trichloroethane	8.05	97	3152	0.455	ug/l #	81
53) 1,3-Dichloropropane	8.23	76	5077	0.432	ug/l	100
54) 2-Hexanone	8.36	43	7503	1.909	ug/l	94
55) Dibromochloromethane	8.46	129	3750	0.467	ug/l	100
56) 1,2-Dibromoethane	8.57	107	2890	0.451	ug/l	97
58) Tetrachloroethene	8.21	164	3805	0.461	ug/l	92
59) Chlorobenzene	9.11	112	9883	0.432	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	3770	0.447	ug/l	96
61) Pentachloroethane	11.09	117	2951	0.445	ug/l	96
62) Hexachloroethane	12.13	117	2582	0.401	ug/l	100
63) Ethyl Benzene	9.23	91	14930	0.399	ug/l	100
64) m/p-Xylenes	9.36	106	10298	0.704	ug/l	90
65) o-Xylene	9.76	106	5302	0.373	ug/l	97
66) Styrene	9.78	104	8531	0.355	ug/l	97
67) Bromoform	9.94	173	1834	0.402	ug/l #	88
69) Isopropylbenzene	10.15	105	14176	0.384	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.45	83	4431	0.469	ug/l #	99
71) 1,2,3-Trichloropropane	10.48	75	3005	0.425	ug/l #	94
72) Bromobenzene	10.44	156	4046	0.422	ug/l	95
73) n-propylbenzene	10.57	120	4232	0.404	ug/l	92
74) 2-Chlorotoluene	10.65	126	4109	0.435	ug/l	87
75) 1,3,5-Trimethylbenzene	10.76	105	11434	0.357	ug/l	99
76) 4-Chlorotoluene	10.76	126	3422	0.355	ug/l	76
77) tert-Butylbenzene	11.08	119	11949	0.388	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	11536	0.353	ug/l	100
79) sec-Butylbenzene	11.31	105	15420	0.365	ug/l	98
80) Nitrobenzene	12.87	77	185	3.678	ug/l #	37
81) p-Isopropyltoluene	11.46	119	11634	0.338	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	8627	0.436	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	7951	0.399	ug/l	99
84) n-Butylbenzene	11.87	91	11905	0.347	ug/l	98
85) 1,2-Dichlorobenzene	11.86	146	8306	0.439	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.64	75	639	0.427	ug/l #	89
87) 1,2,4-Trichlorobenzene	13.49	180	4477	0.384	ug/l	94
88) Hexachlorobutadiene	13.68	225	2822	0.419	ug/l	98
89) Naphthalene	13.73	128	7375	0.801	ug/l #	95
90) 1,2,3-Trichlorobenzene	13.98	180	4077	0.366	ug/l	99

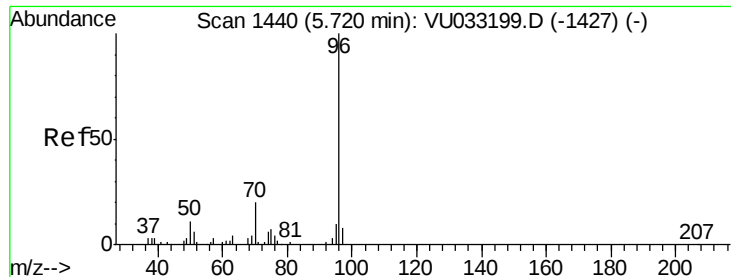
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tgt Ion: 96 Resp: 29287

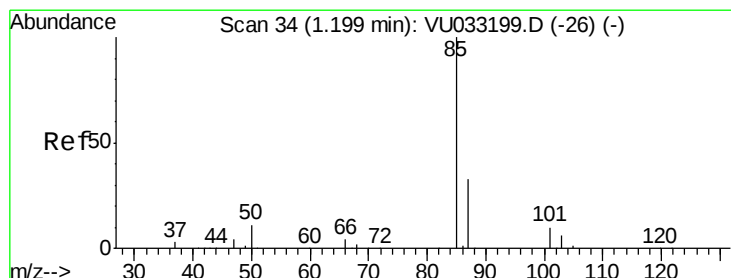
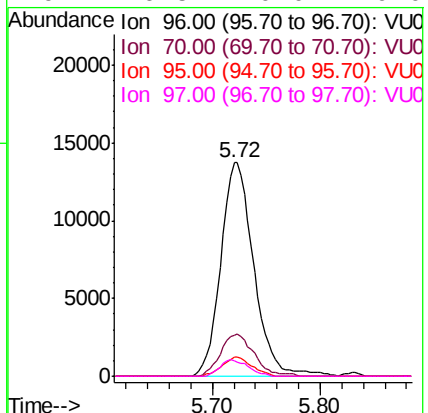
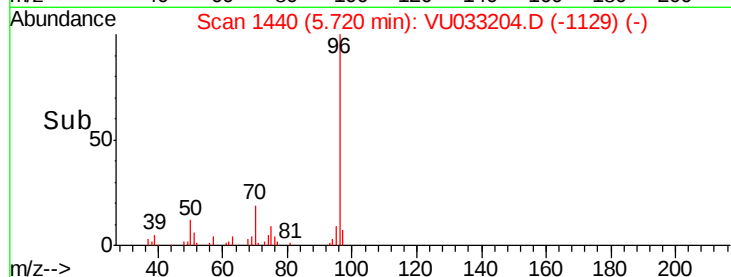
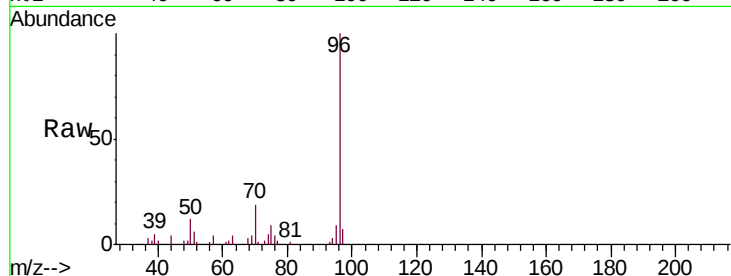
Ion Ratio Lower Upper

96 100

70 20.0 16.2 24.4

95 8.1 7.8 11.8

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.500 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033204.D

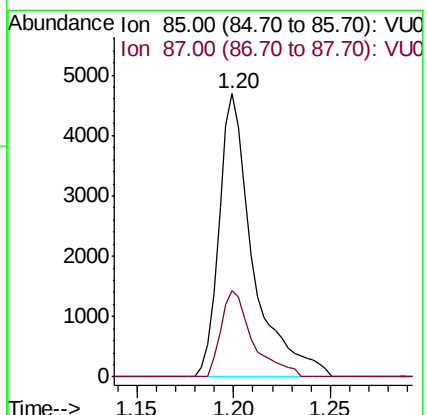
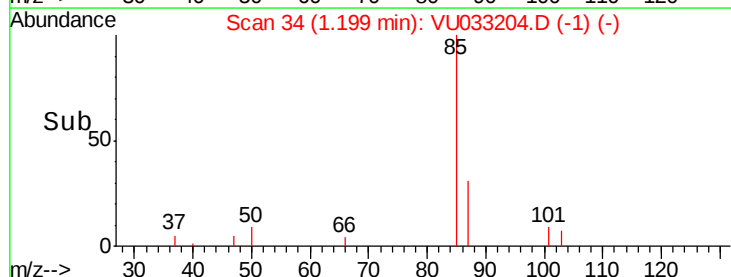
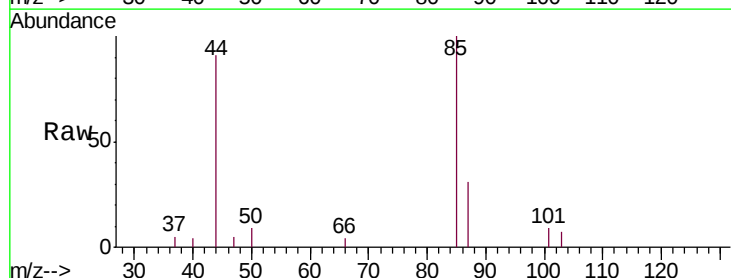
Acq: 11 Jul 2019 22:46

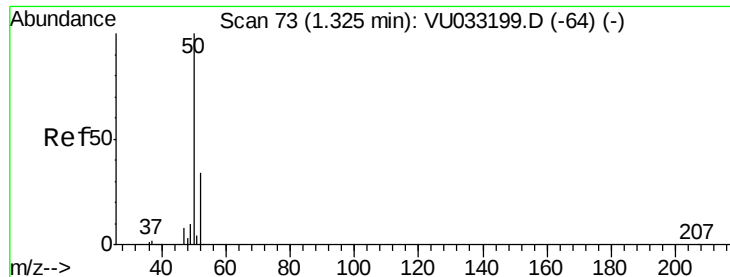
Tgt Ion: 85 Resp: 5720

Ion Ratio Lower Upper

85 100

87 30.7 16.4 49.1





#3

Chloromethane

Concen: 0.486 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

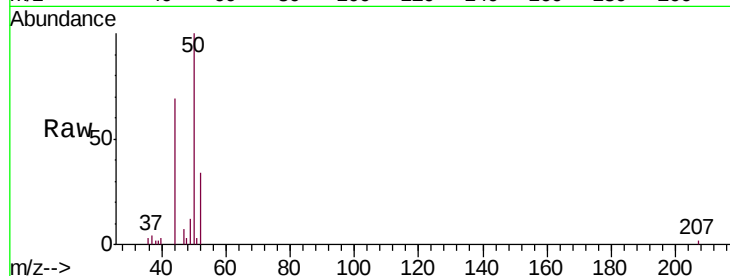
LOQ-WATER-02-QT3-2019

Tgt Ion: 50 Resp: 6494

Ion Ratio Lower Upper

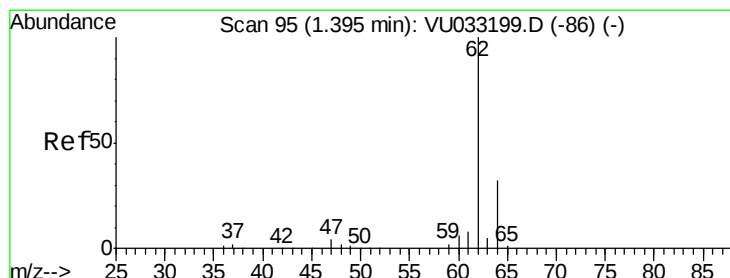
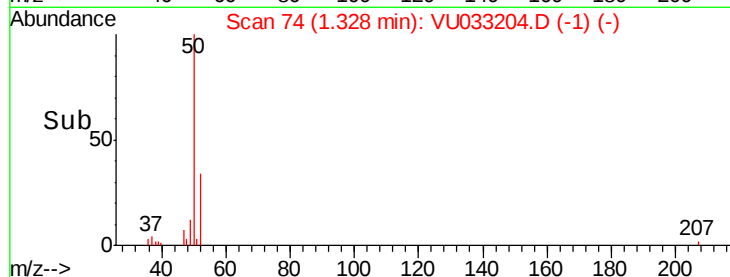
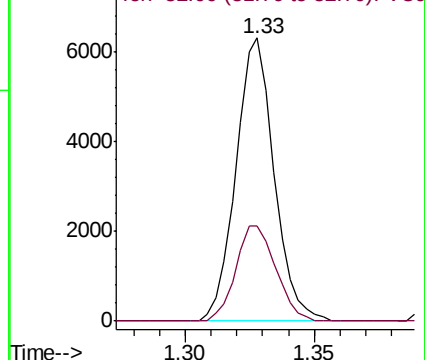
50 100

52 33.8 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VU033199.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033204.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.492 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033204.D

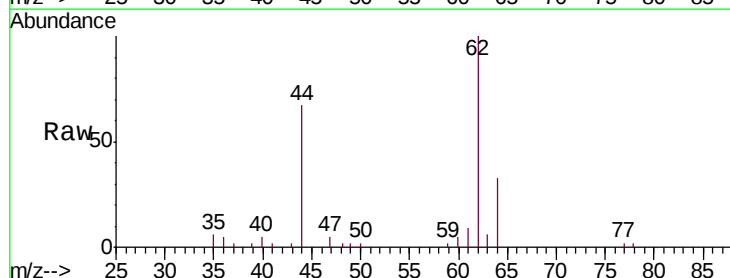
Acq: 11 Jul 2019 22:46

Tgt Ion: 62 Resp: 6777

Ion Ratio Lower Upper

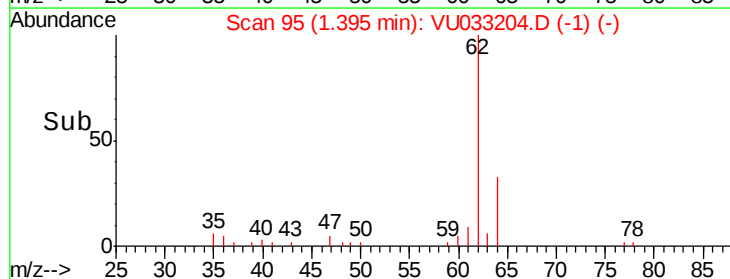
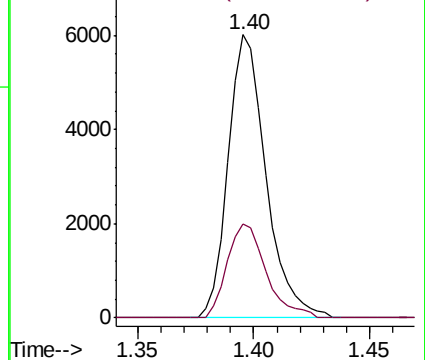
62 100

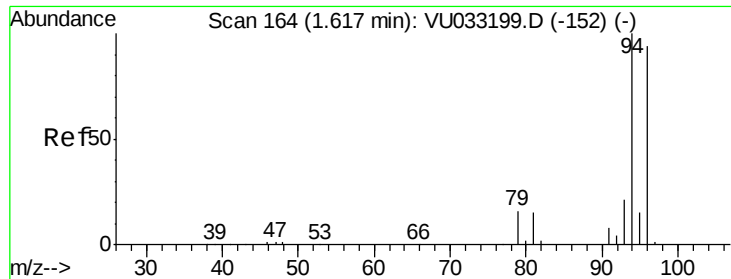
64 33.2 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033204.D (-1) (-)

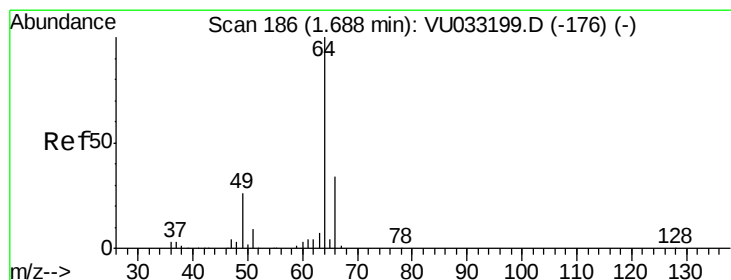
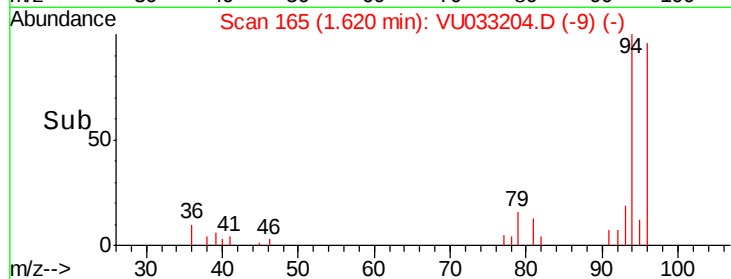
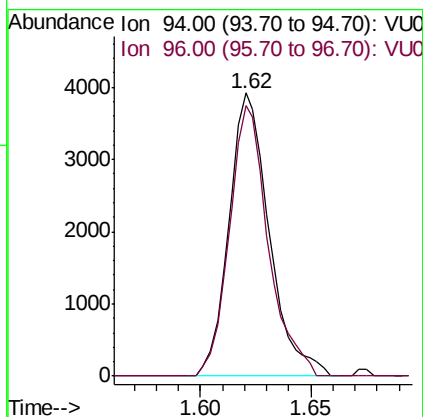
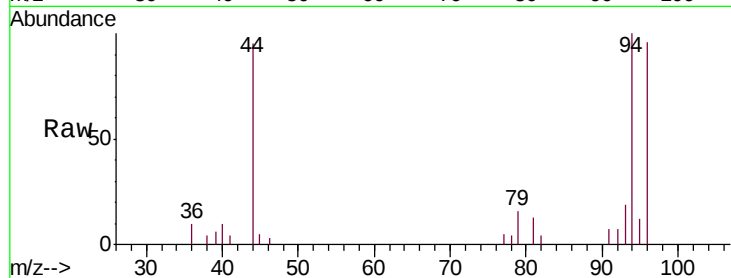




#5
Bromomethane
Concen: 0.580 ug/l
RT: 1.62 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

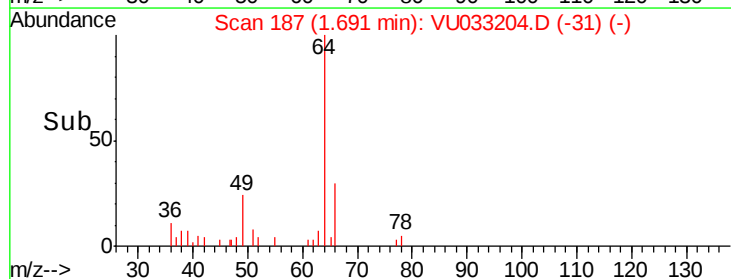
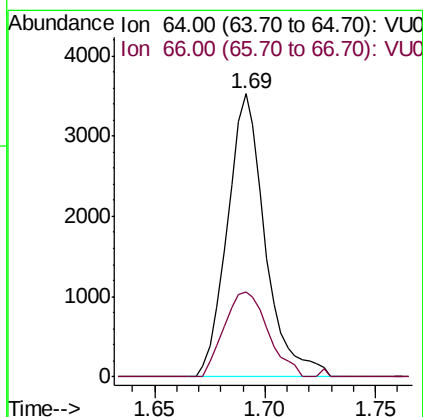
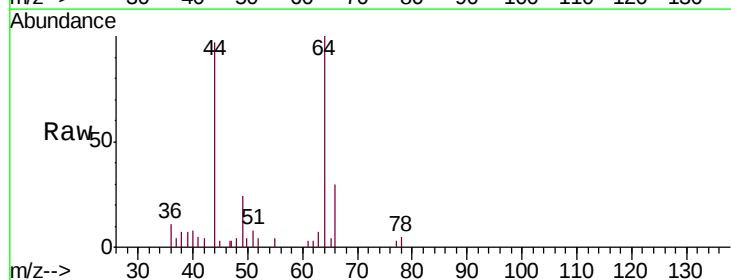
Instrument :
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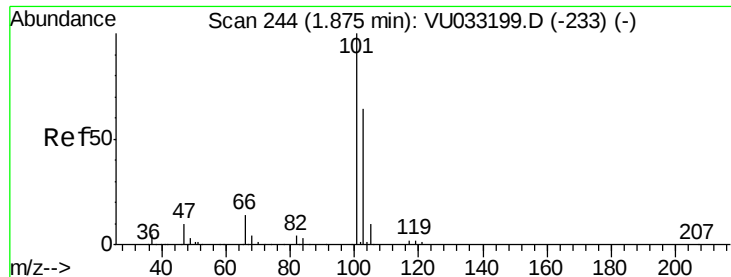
Tgt Ion: 94 Resp: 4989
Ion Ratio Lower Upper
94 100
96 95.6 74.8 112.2



#6
Chloroethane
Concen: 0.497 ug/l
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 64 Resp: 4200
Ion Ratio Lower Upper
64 100
66 30.1 27.0 40.4



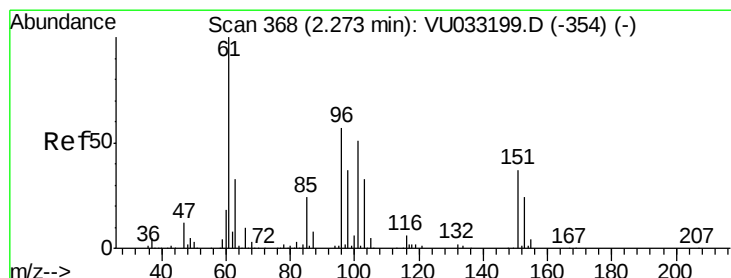
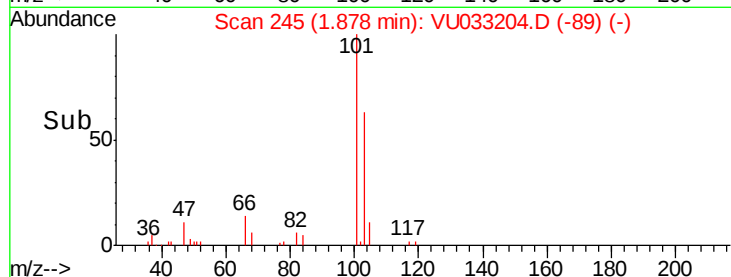
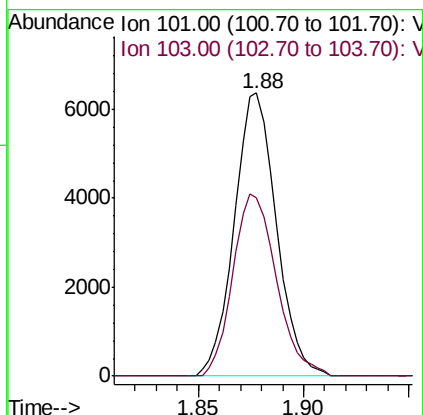
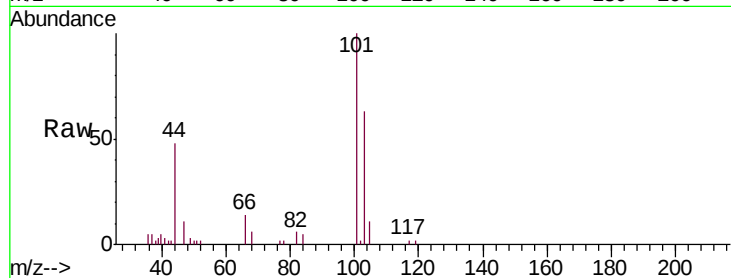


#7

Trichlorofluoromethane
 Concen: 0.474 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033204.D
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Instrument :
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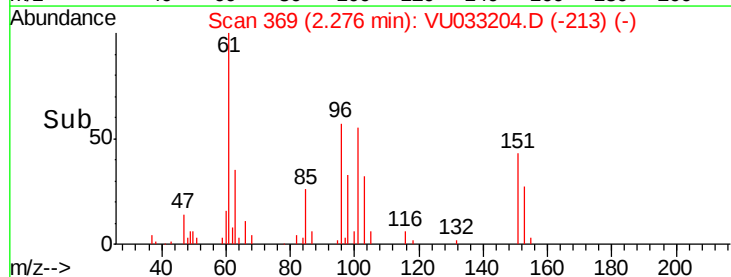
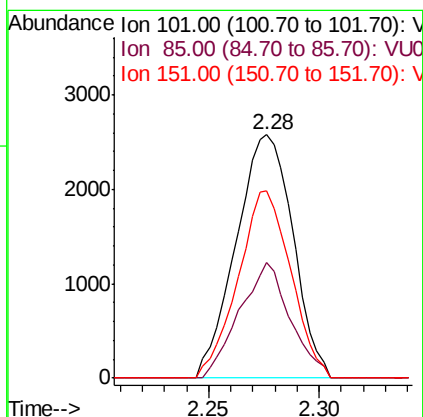
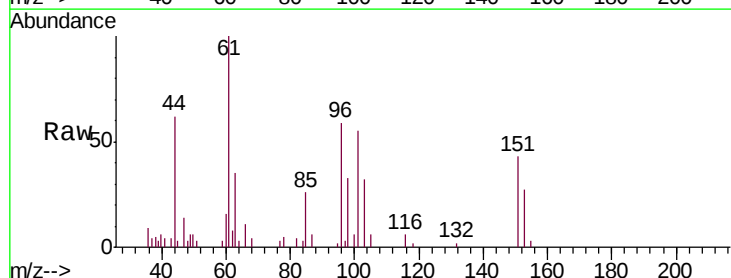
Tgt Ion:101 Resp: 8832
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6

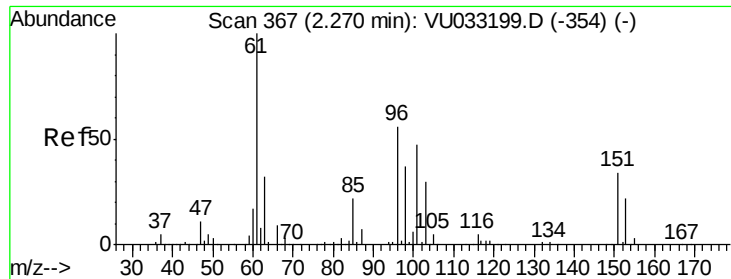


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.480 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:101 Resp: 4593
 Ion Ratio Lower Upper
 101 100
 85 42.7 37.7 56.5
 151 71.3 58.2 87.2





#9

1,1-Dichloroethene

Concen: 0.479 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

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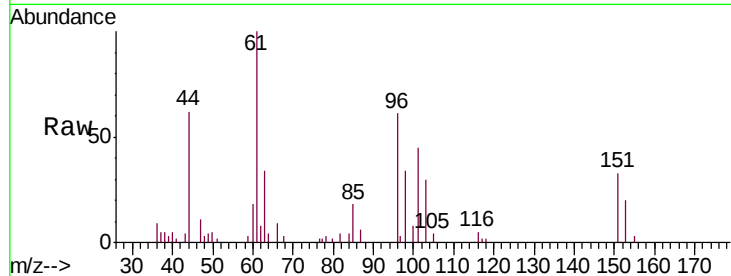
Tgt Ion: 96 Resp: 4632

Ion Ratio Lower Upper

96 100

61 164.9 0.0 533.7

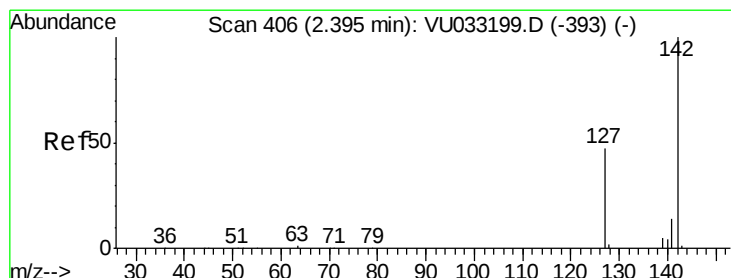
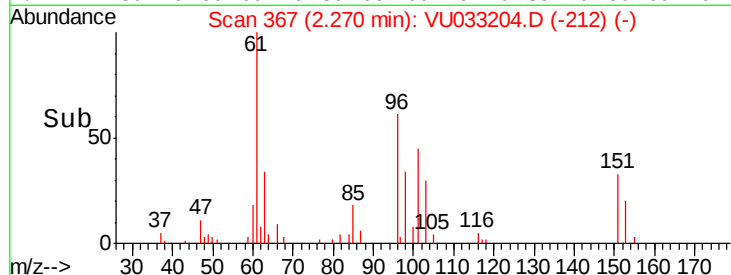
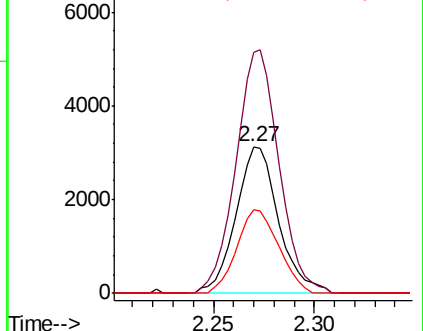
98 56.8 0.0 129.8



Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-354) (-)



#10

Iodomethane

Concen: 0.416 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU033204.D

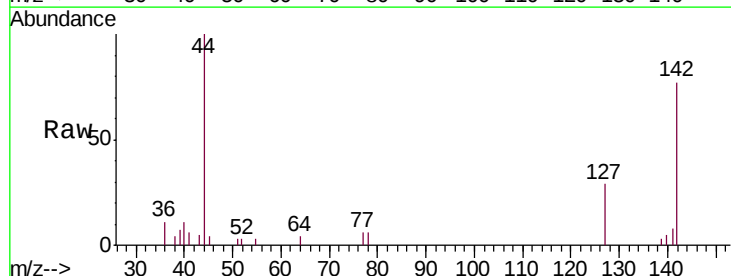
Acq: 11 Jul 2019 22:46

Tgt Ion: 142 Resp: 4242

Ion Ratio Lower Upper

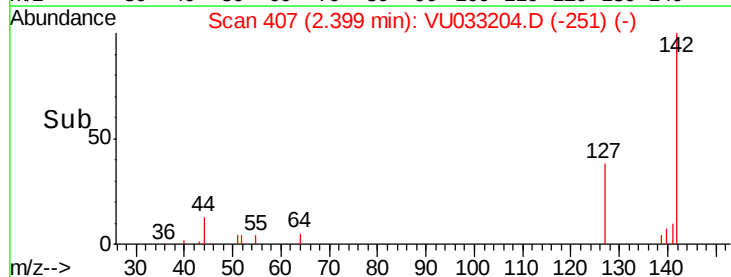
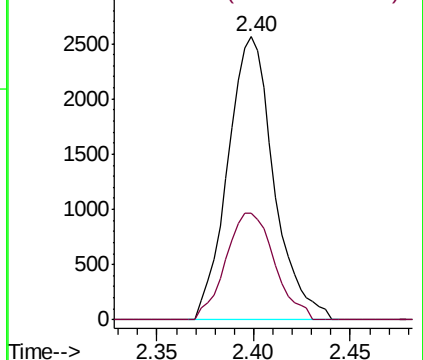
142 100

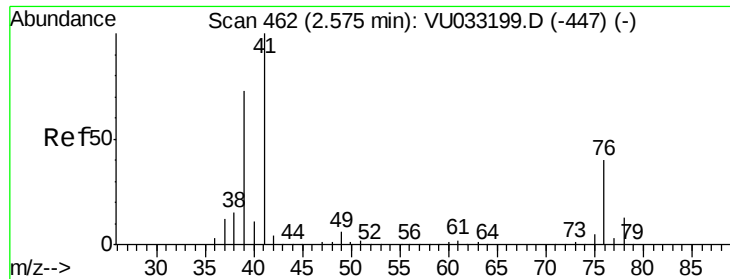
127 40.0 37.0 55.4



Abundance Ion 142.00 (141.70 to 142.70): VU033199.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)

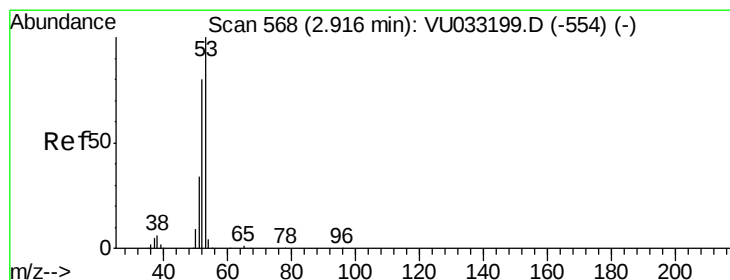
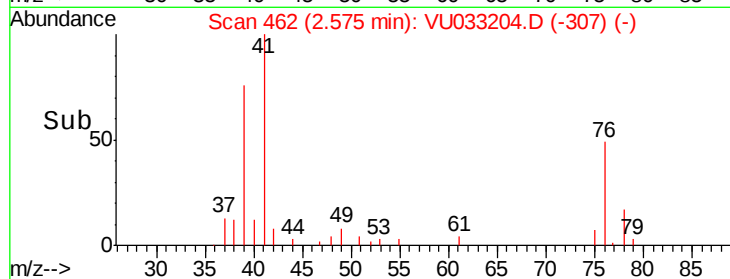
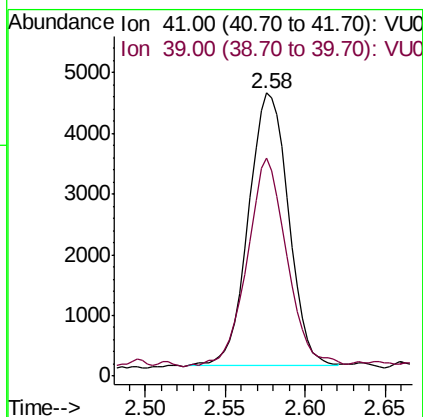
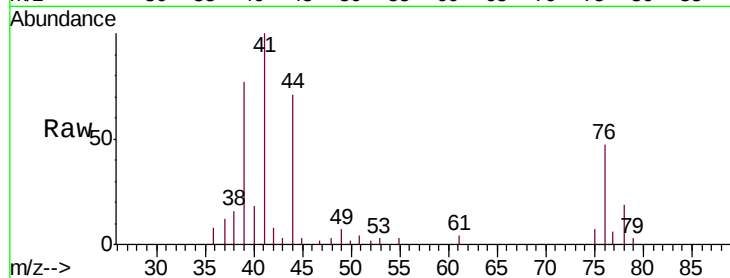




#11
 Allyl Chloride
 Concen: 0.476 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

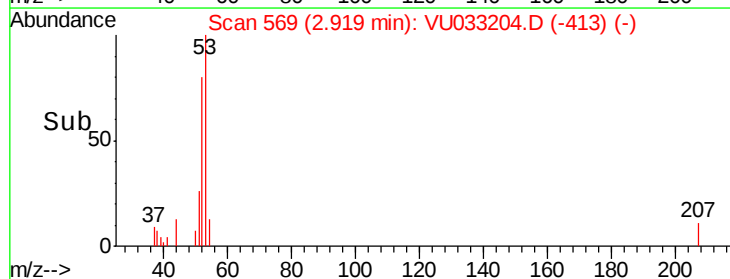
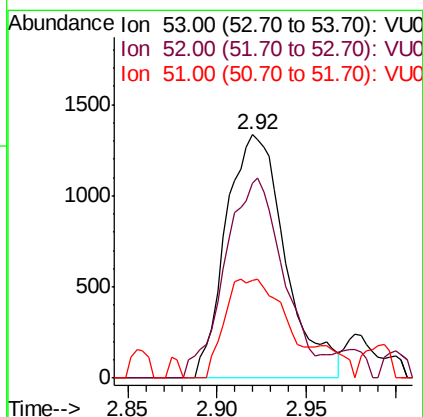
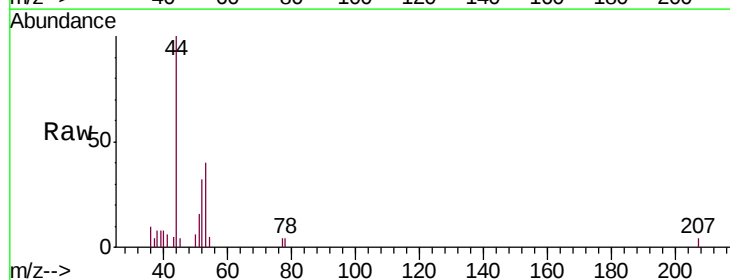
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

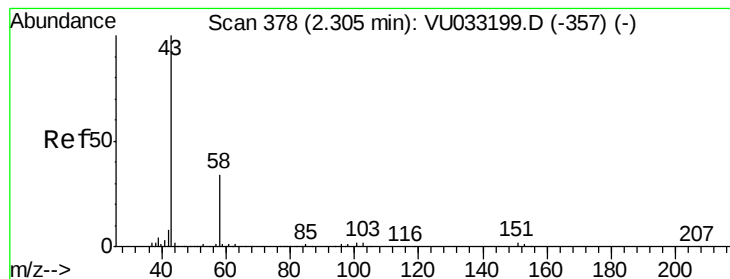
Tgt Ion: 41 Resp: 7681
 Ion Ratio Lower Upper
 41 100
 39 75.7 58.7 88.1



#12
 Acrylonitrile
 Concen: 1.159 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 53 Resp: 3101
 Ion Ratio Lower Upper
 53 100
 52 80.3 68.3 102.5
 51 41.2 28.7 43.1





#13

Acetone

Concen: 2.471 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

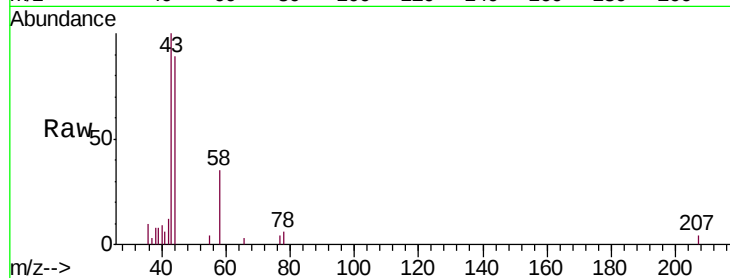
LOQ-WATER-02-QT3-2019

Tgt Ion: 43 Resp: 5929

Ion Ratio Lower Upper

43 100

58 36.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU033199.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033199.D (-357) (-)

2.31

4000

3000

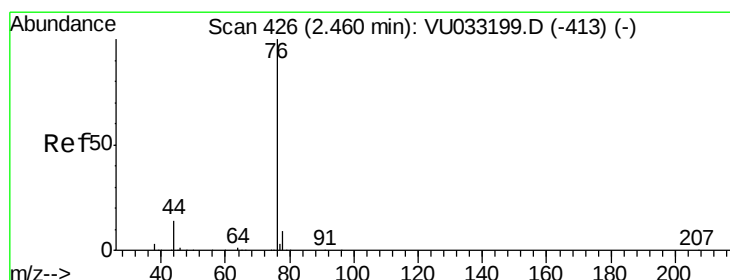
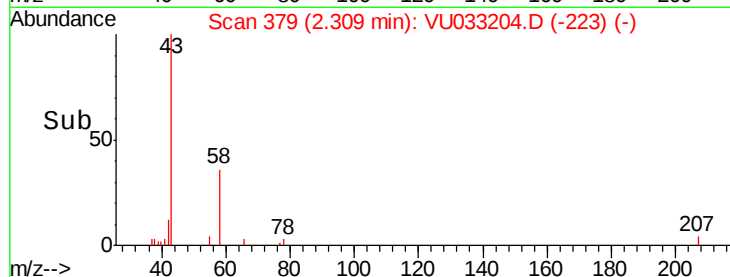
2000

1000

0

2.25 2.30 2.35

Time-->



#14

Carbon Disulfide

Concen: 0.474 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033204.D

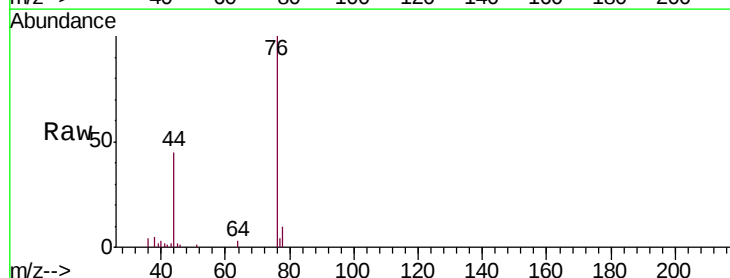
Acq: 11 Jul 2019 22:46

Tgt Ion: 76 Resp: 16728

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033199.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033199.D (-413) (-)

12000

10000

8000

6000

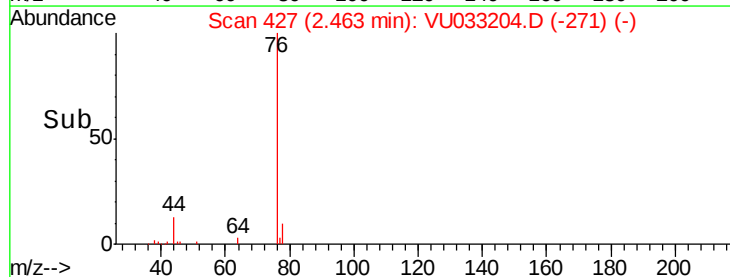
4000

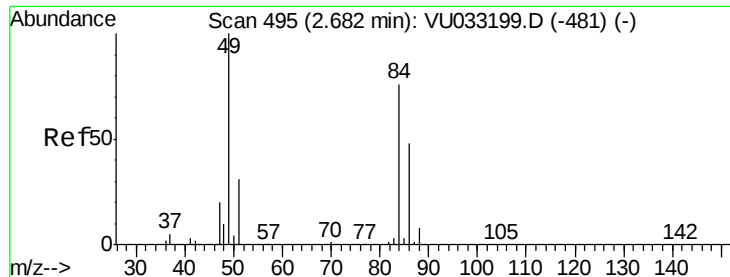
2000

0

2.40 2.45 2.50 2.55

Time-->

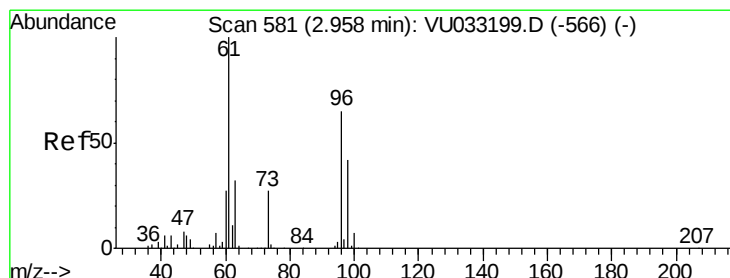
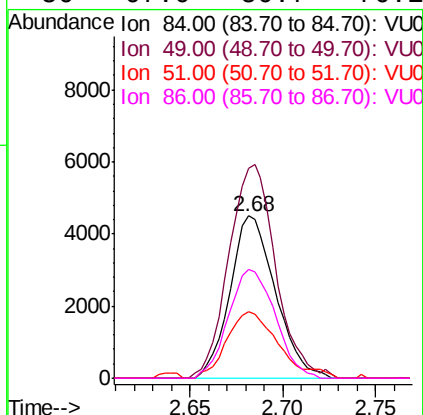
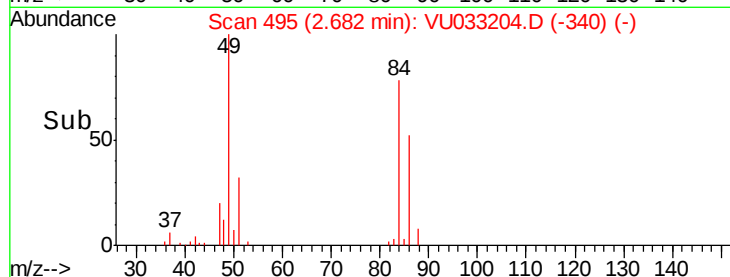
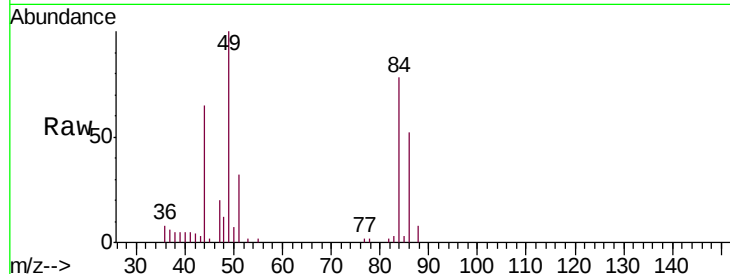




#15
Methylene Chloride
Concen: 0.595 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

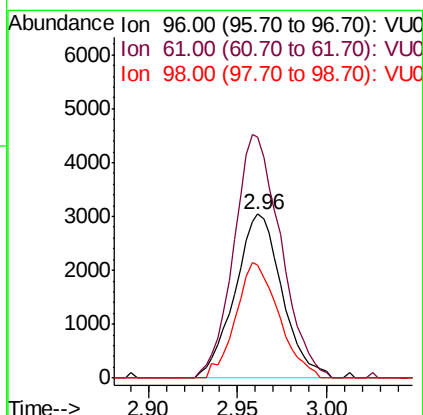
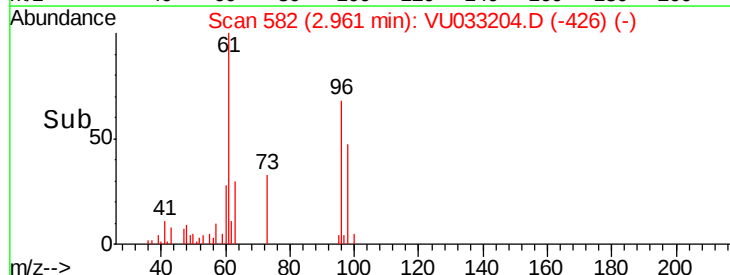
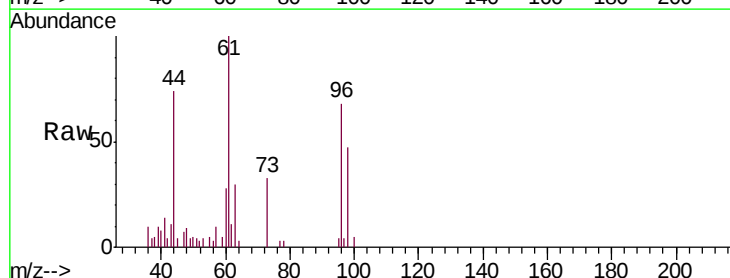
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

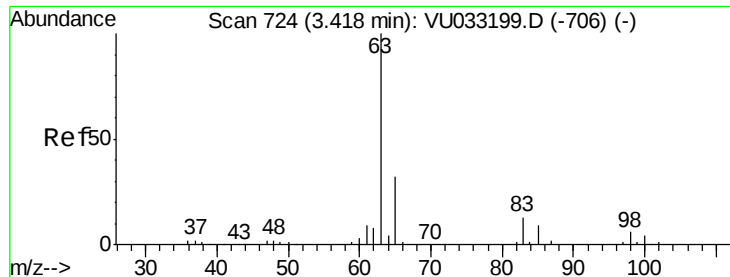
Tgt Ion: 84 Resp: 7683
Ion Ratio Lower Upper
84 100
49 128.9 105.8 158.8
51 41.0 0.0 82.0
86 67.0 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 0.509 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 96 Resp: 5630
Ion Ratio Lower Upper
96 100
61 147.5 122.6 184.0
98 69.1 52.0 78.0

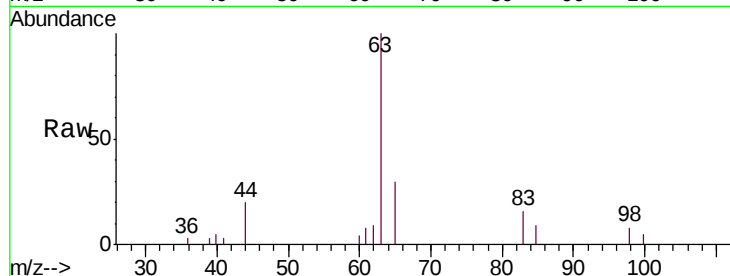




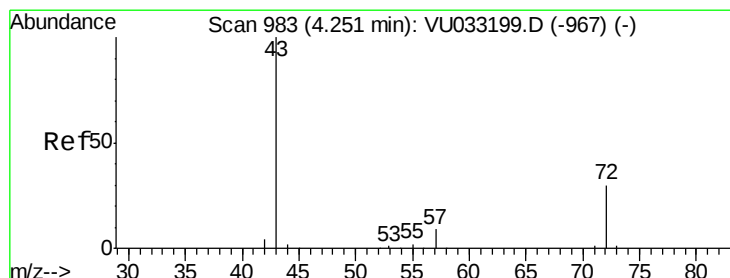
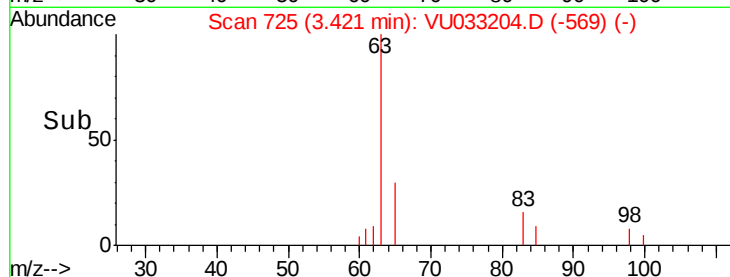
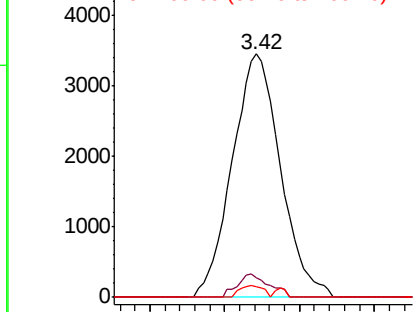
#17
 1,1-Dichloroethane
 Concen: 0.483 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tgt Ion: 63 Resp: 7758
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.3 9.8
 100 4.5 1.8 5.4

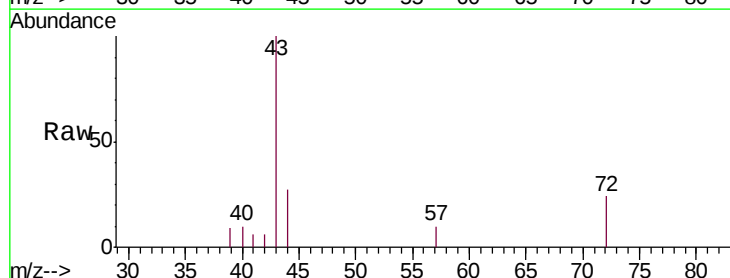


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

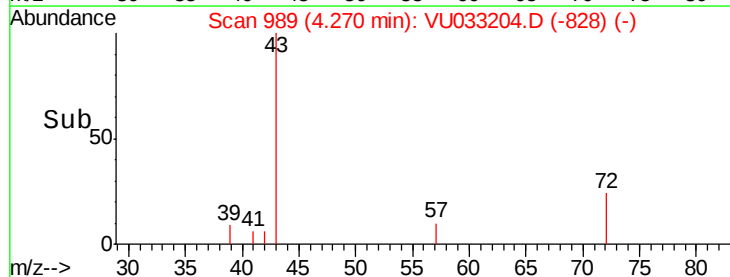
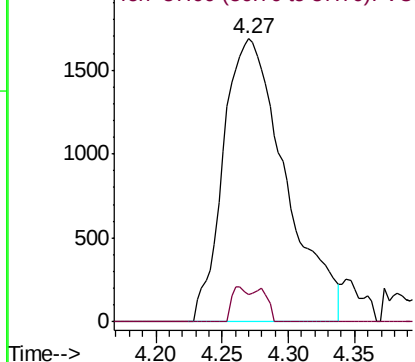


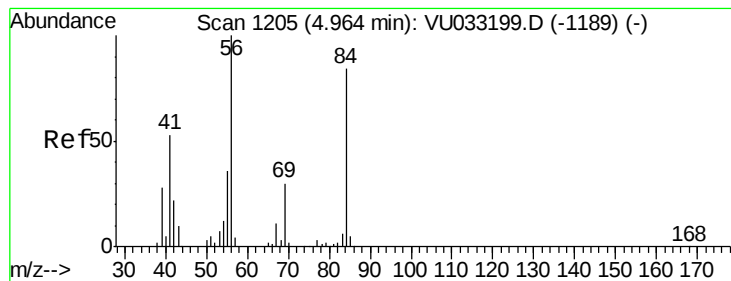
#18
 2-Butanone
 Concen: 2.289 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 43 Resp: 5487
 Ion Ratio Lower Upper
 43 100
 57 9.7 0.0 18.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 0.398 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

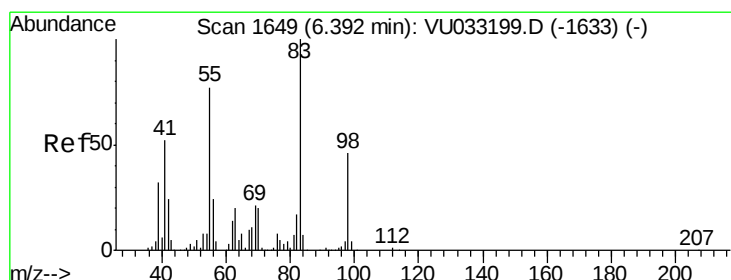
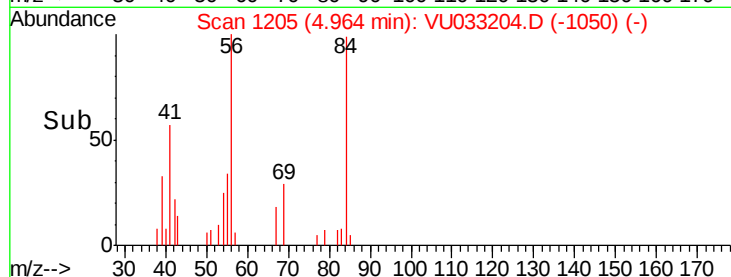
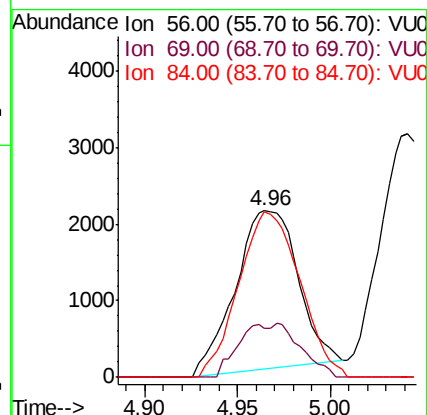
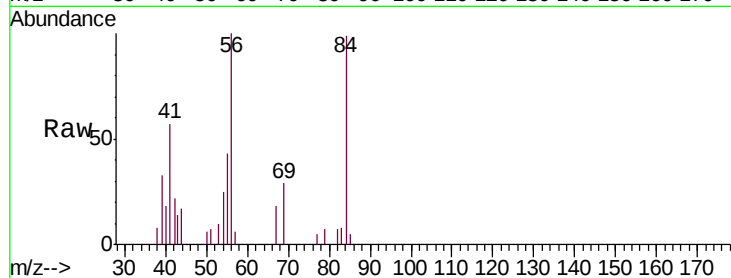
Tgt Ion: 56 Resp: 4891

Ion Ratio Lower Upper

56 100

69 15.4 24.6 37.0#

84 101.9 67.5 101.3#



#20

Methylcyclohexane

Concen: 0.382 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

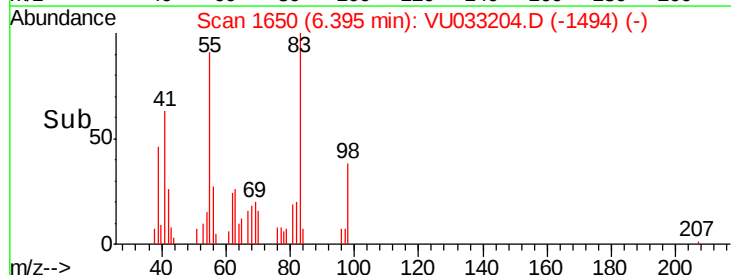
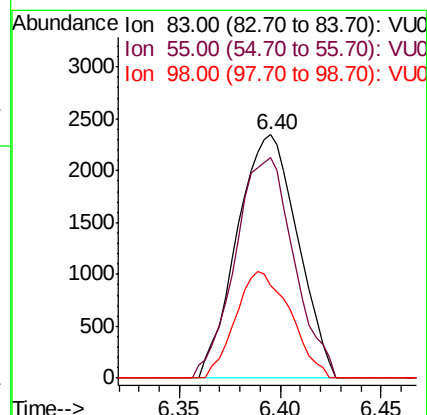
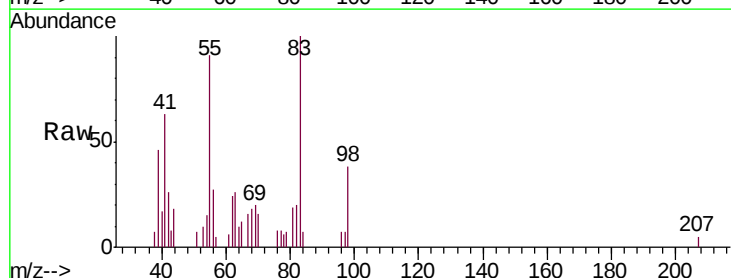
Tgt Ion: 83 Resp: 4921

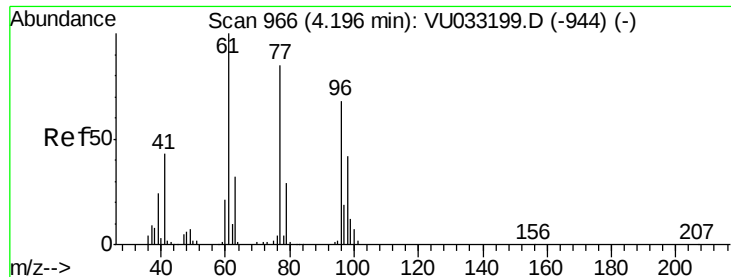
Ion Ratio Lower Upper

83 100

55 87.8 62.0 93.0

98 39.8 36.3 54.5





#21

2,2-Dichloropropane

Concen: 0.434 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

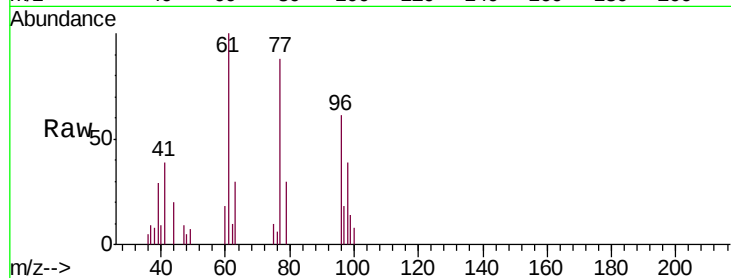
LOQ-WATER-02-QT3-2019

Tgt Ion: 77 Resp: 5854

Ion Ratio Lower Upper

77 100

97 20.0 17.6 26.4



Abundance Ion 77.00 (76.70 to 77.70): VU033199.D (-944) (-)

Ion 97.00 (96.70 to 97.70): VU033199.D (-944) (-)

4.20

2500

2000

1500

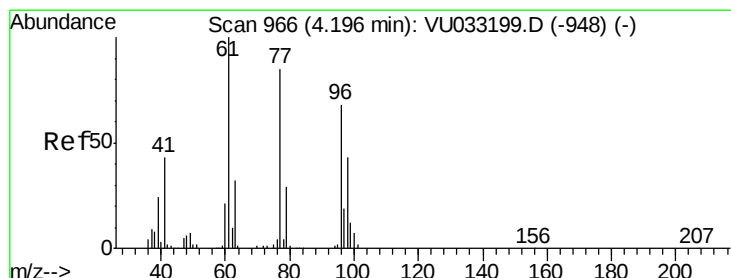
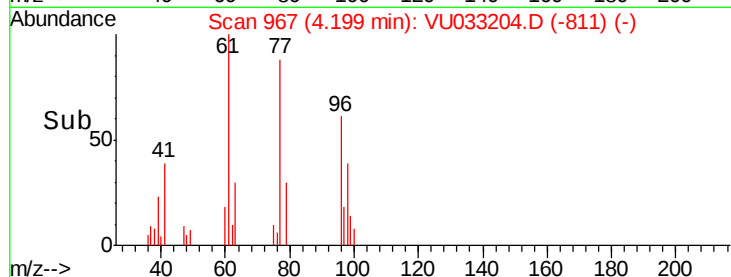
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.432 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

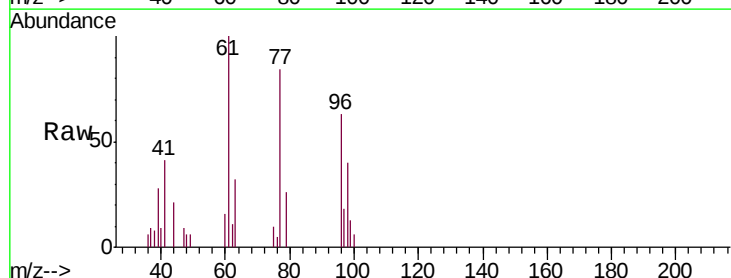
Tgt Ion: 96 Resp: 3973

Ion Ratio Lower Upper

96 100

61 164.8 0.0 377.3

98 68.3 32.3 96.8



Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-948) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-948) (-)

4.20

3000

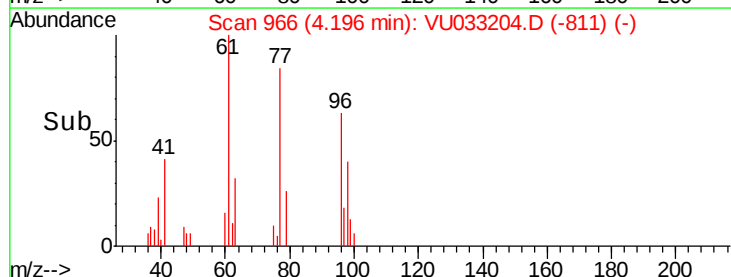
2000

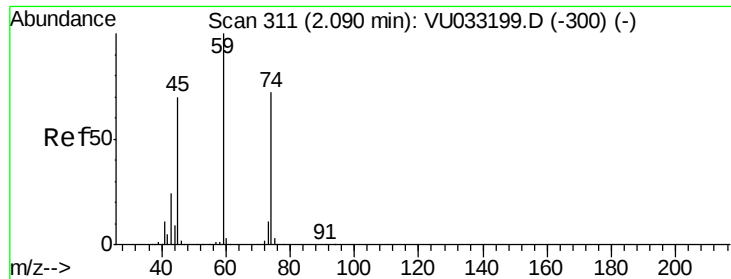
1000

0

4.15 4.20 4.25

Time-->

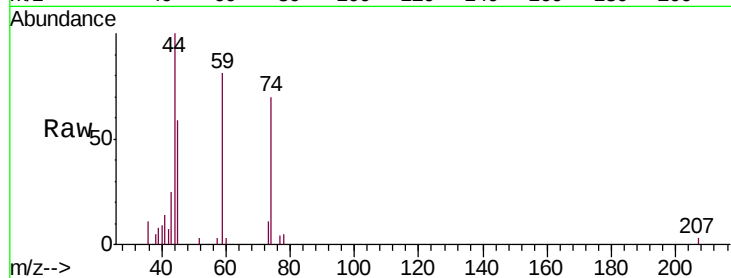




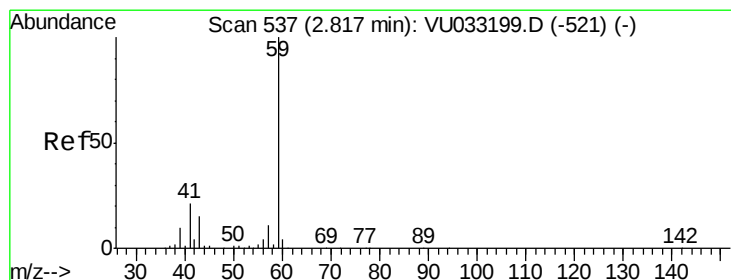
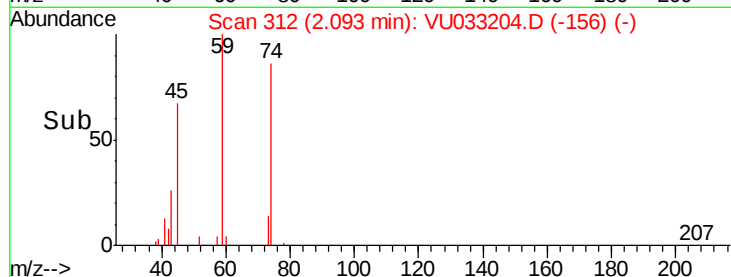
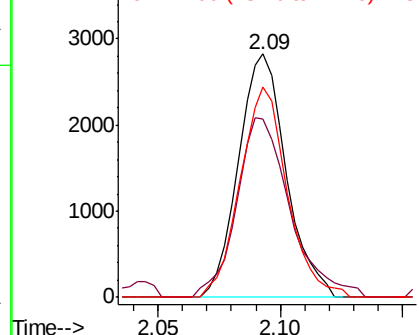
#23
Diethyl Ether
Concen: 0.454 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion: 59 Resp: 3823
Ion Ratio Lower Upper
59 100
45 82.8 55.7 83.5
74 85.4 58.1 87.1

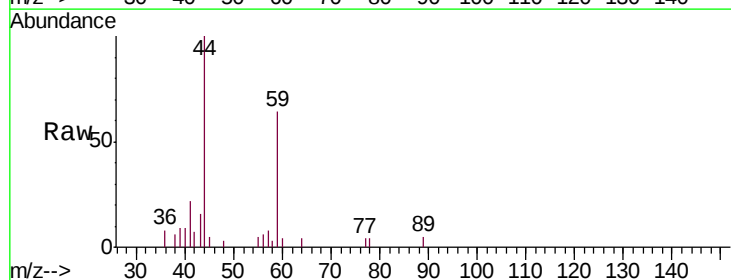


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

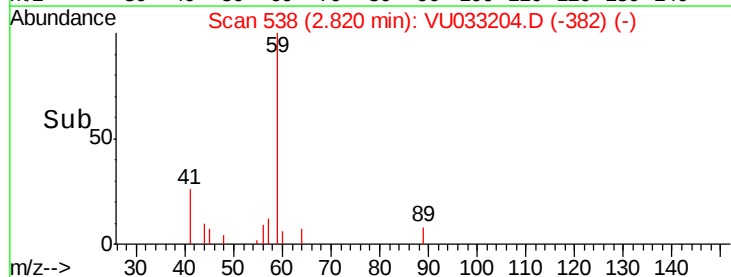
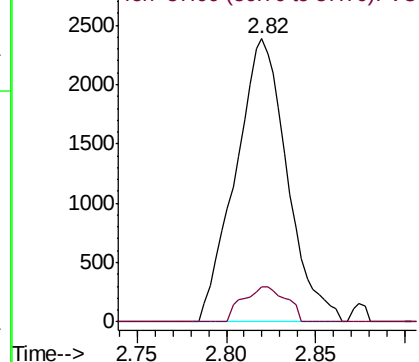


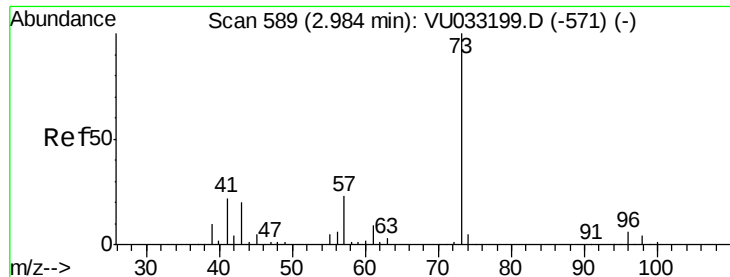
#24
tert-Butyl Alcohol
Concen: 4.682 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 59 Resp: 4807
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



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





#25

Methyl tert-Butyl Ether

Concen: 0.468 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

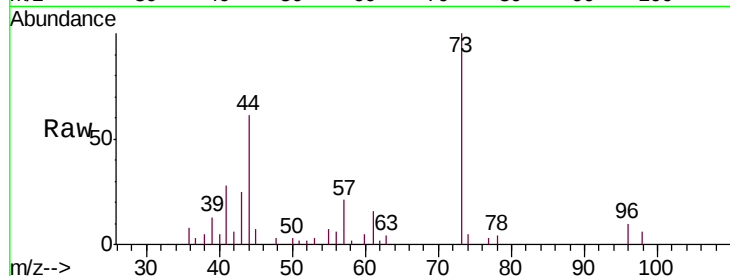
LOQ-WATER-02-QT3-2019

Tgt Ion: 73 Resp: 13194

Ion Ratio Lower Upper

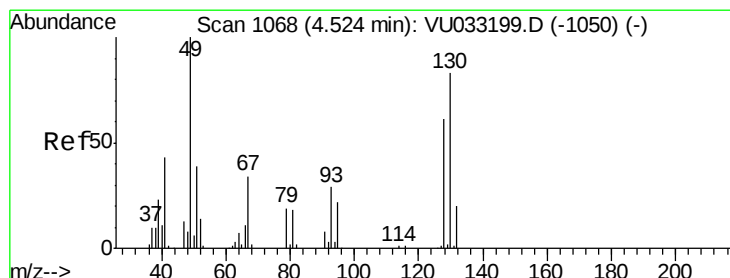
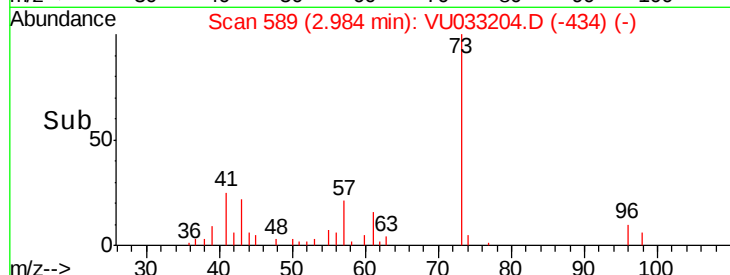
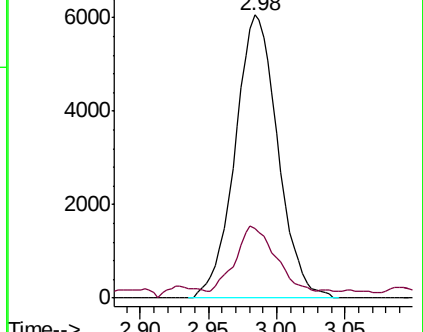
73 100

43 21.4 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VU033199.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-571) (-)



#26

Bromochloromethane

Concen: 0.421 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

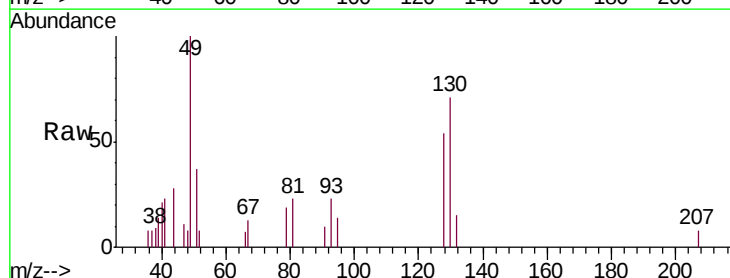
Tgt Ion: 128 Resp: 1713

Ion Ratio Lower Upper

128 100

49 187.7 0.0 328.6

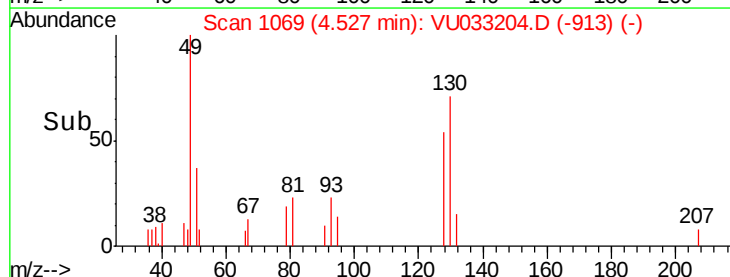
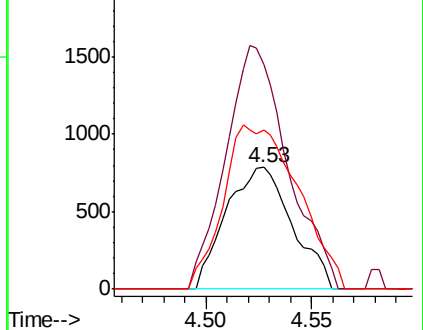
130 152.0 104.1 156.1

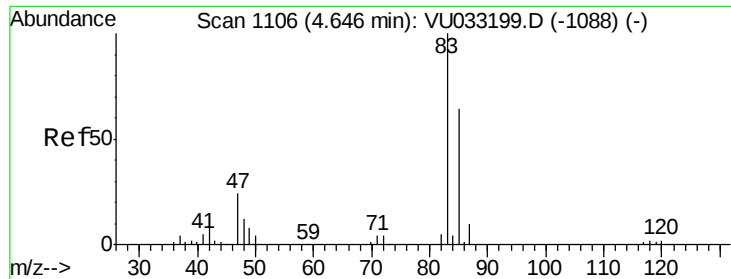


Abundance Ion 128.00 (127.70 to 128.70): VU033199.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU033199.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU033199.D (-1050) (-)

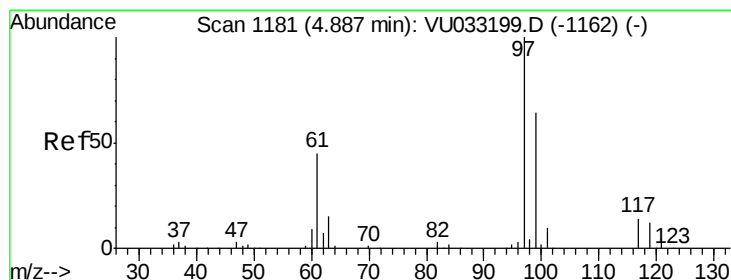
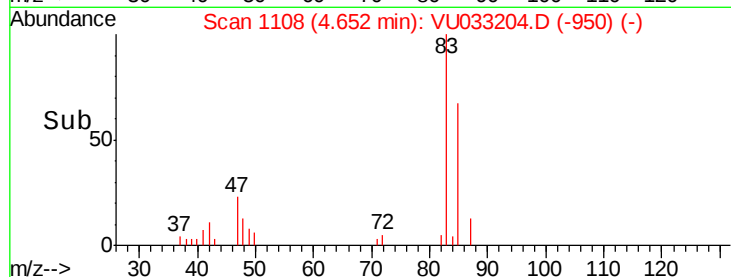
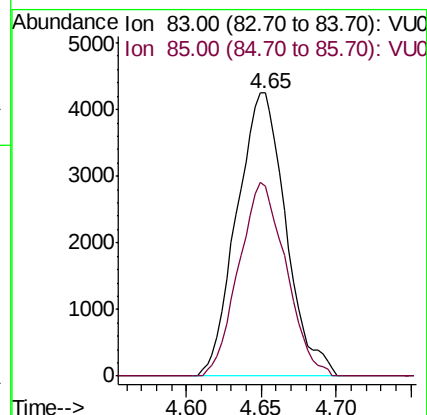
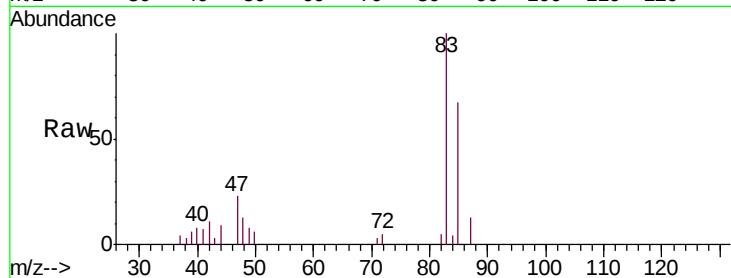




#27
Chloroform
Concen: 0.546 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

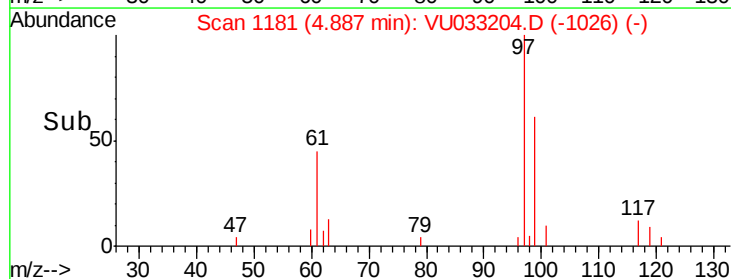
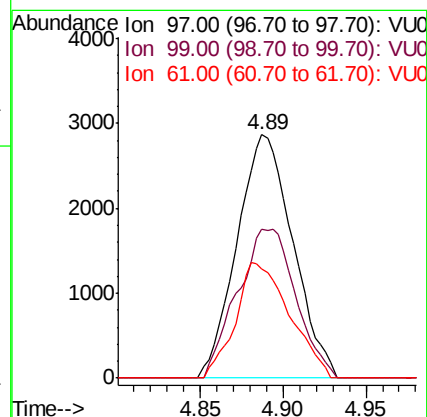
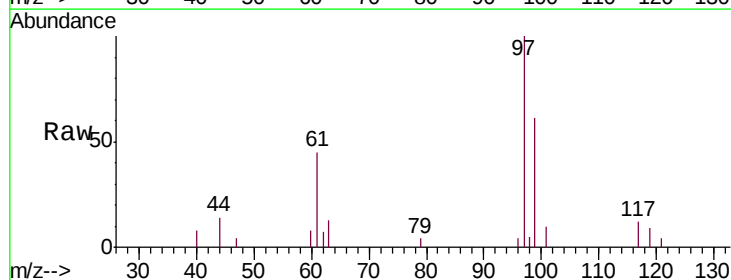
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

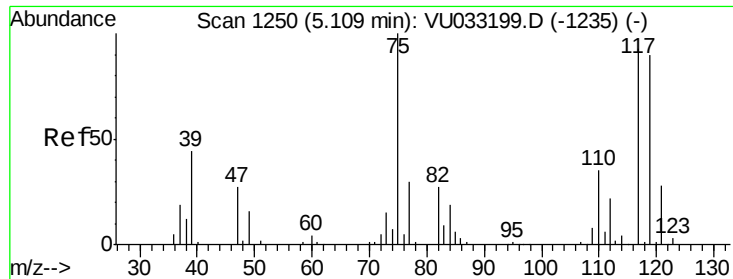
Tgt Ion: 83 Resp: 9693
Ion Ratio Lower Upper
83 100
85 67.0 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 0.479 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 97 Resp: 6722
Ion Ratio Lower Upper
97 100
99 64.0 31.9 95.5
61 46.0 22.6 67.7

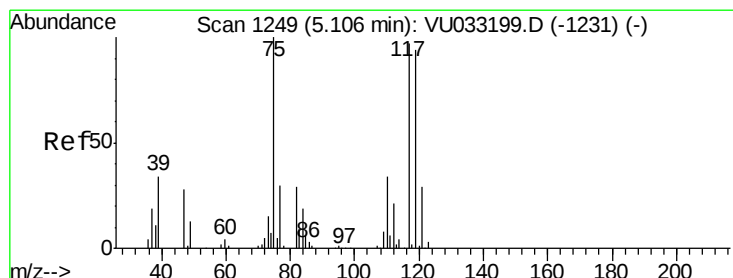
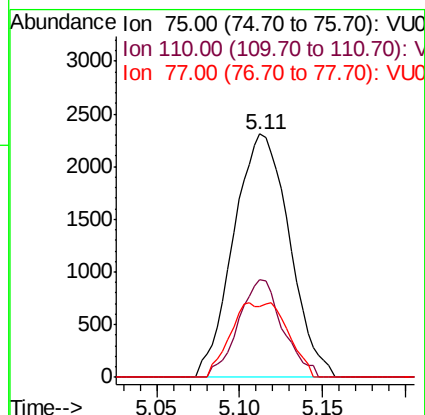
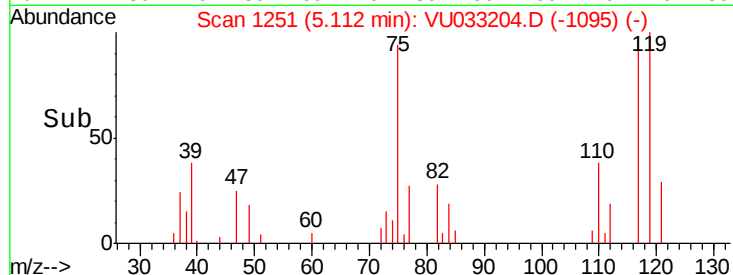
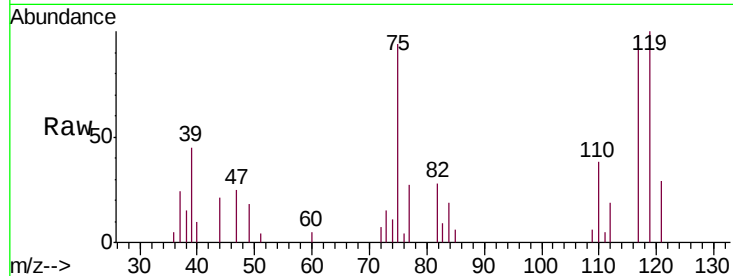




#29
 1,1-Dichloropropene
 Concen: 0.456 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

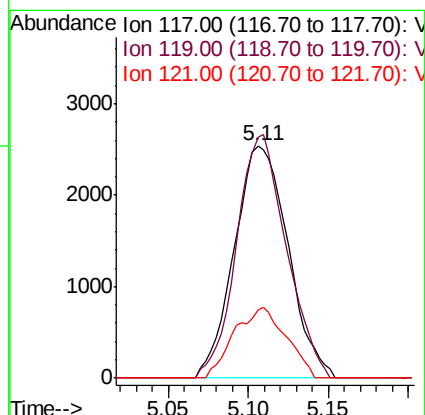
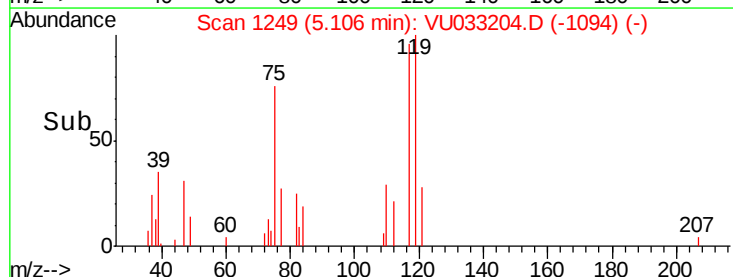
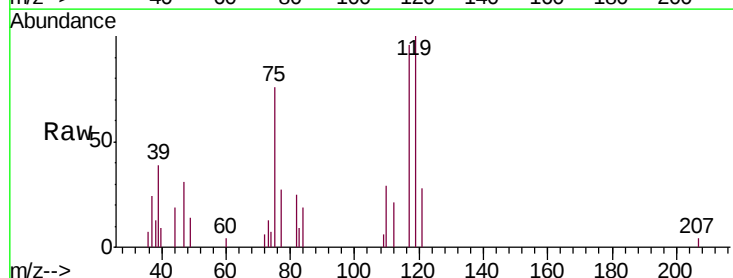
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

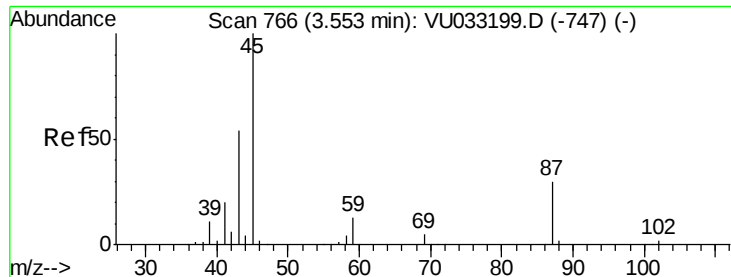
Tgt Ion: 75 Resp: 5395
 Ion Ratio Lower Upper
 75 100
 110 32.0 17.5 52.6
 77 16.9 24.6 37.0#



#30
 Carbon Tetrachloride
 Concen: 0.470 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 117 Resp: 5834
 Ion Ratio Lower Upper
 117 100
 119 103.8 77.4 116.0
 121 29.2 24.2 36.2





#31

Isopropyl Ether

Concen: 0.453 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

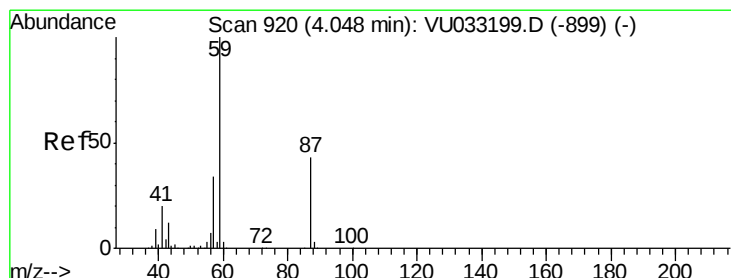
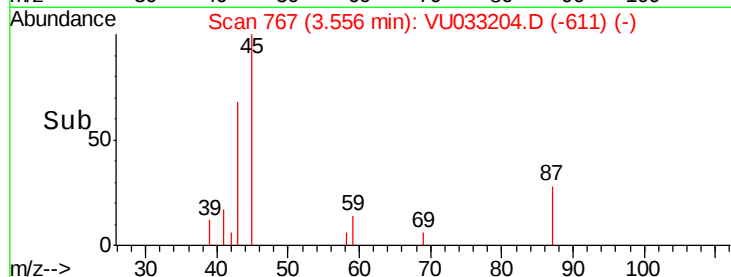
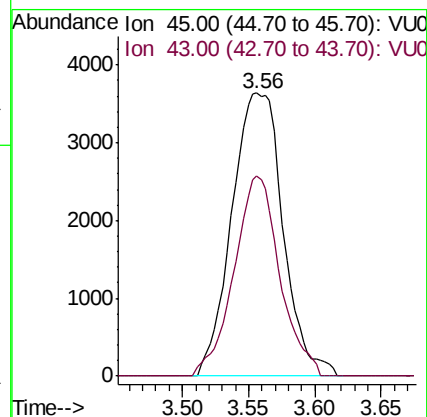
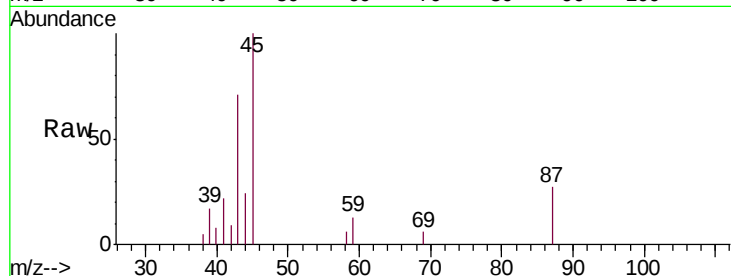
LOQ-WATER-02-QT3-2019

Tgt Ion: 45 Resp: 9772

Ion Ratio Lower Upper

45 100

43 63.1 27.3 81.8



#32

Ethyl-t-butyl ether

Concen: 0.445 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU033204.D

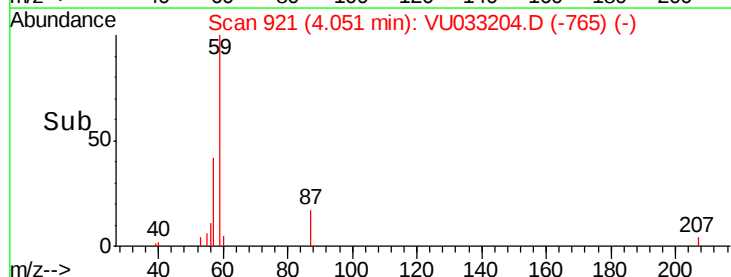
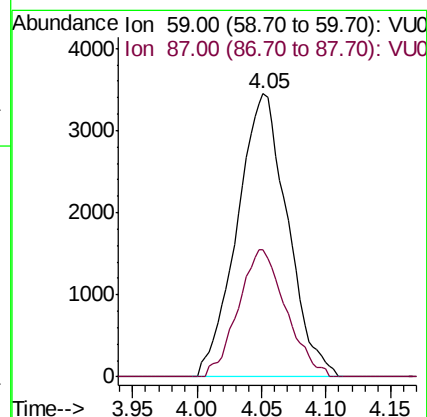
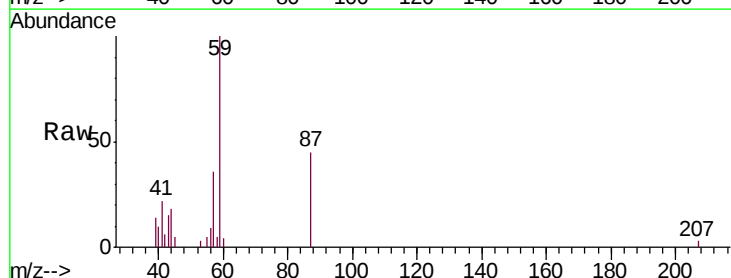
Acq: 11 Jul 2019 22:46

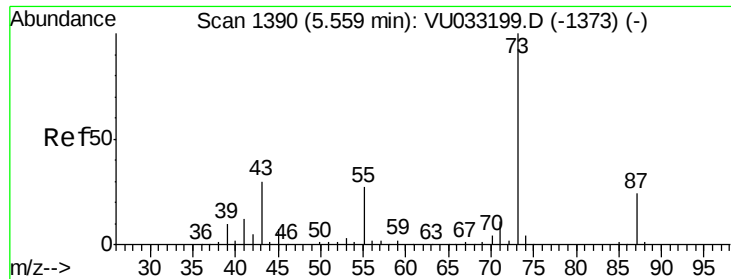
Tgt Ion: 59 Resp: 9364

Ion Ratio Lower Upper

59 100

87 42.5 34.5 51.7

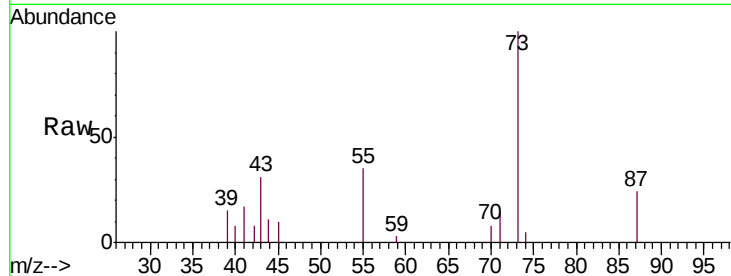




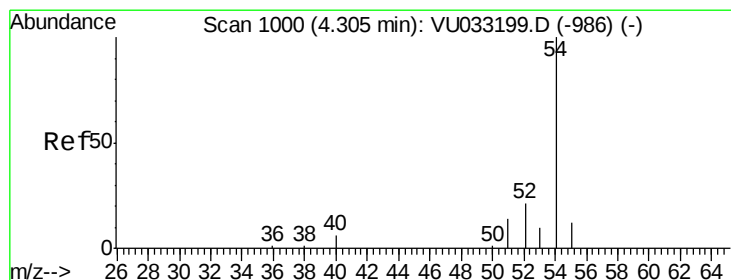
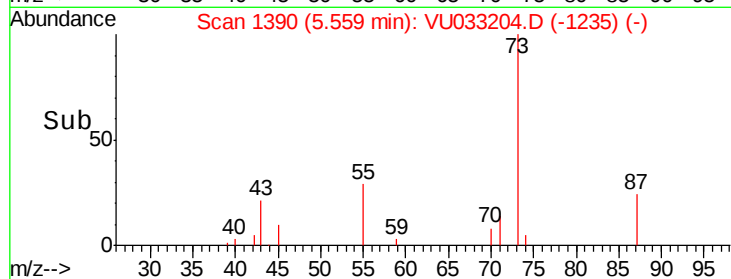
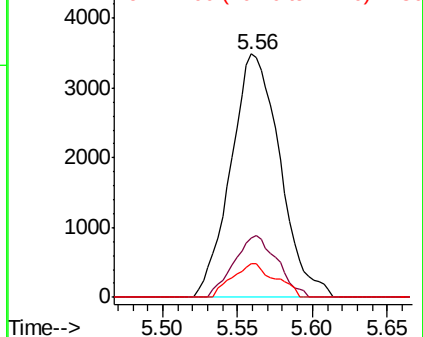
#33
Tert-Amyl methyl ether
Concen: 0.412 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion: 73 Resp: 7978
Ion Ratio Lower Upper
73 100
87 22.3 19.8 29.6
71 12.2 9.1 13.7

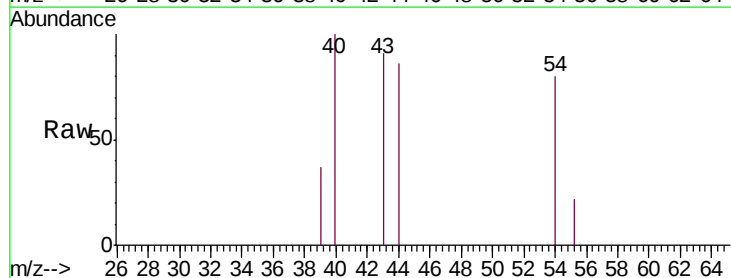


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

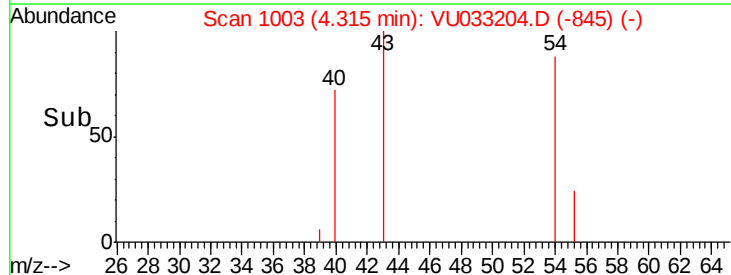
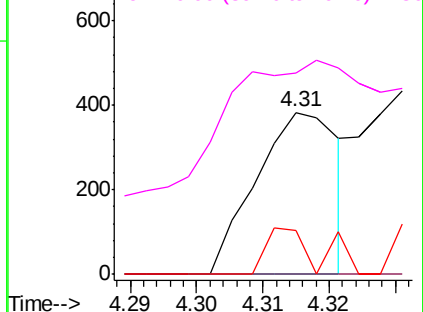


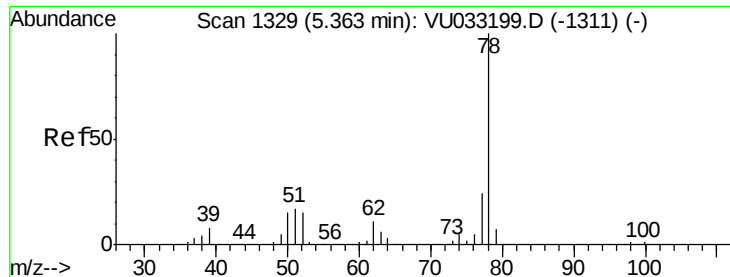
#34
Propionitrile
Concen: 0.487 ug/l
RT: 4.31 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 54 Resp: 331
Ion Ratio Lower Upper
54 100
52 0.0 16.7 25.1#
55 18.1 12.9 19.3
40 204.5 4.8 7.2#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.467 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

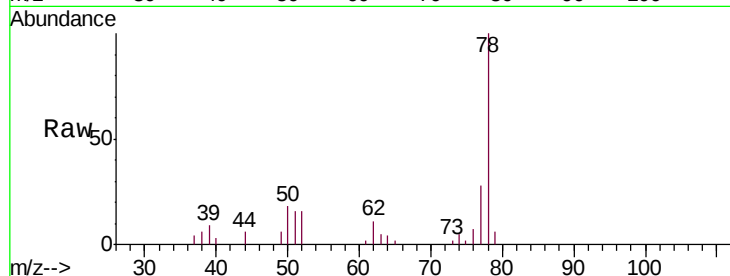
LOQ-WATER-02-QT3-2019

Tgt Ion: 78 Resp: 16126

Ion Ratio Lower Upper

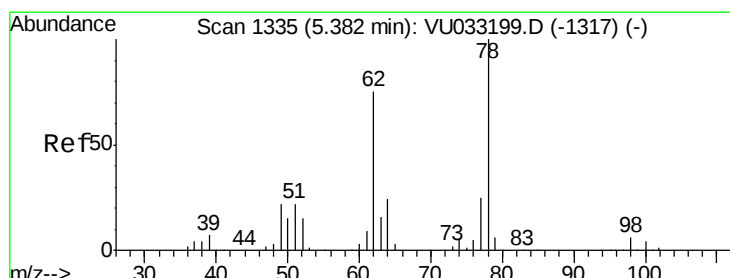
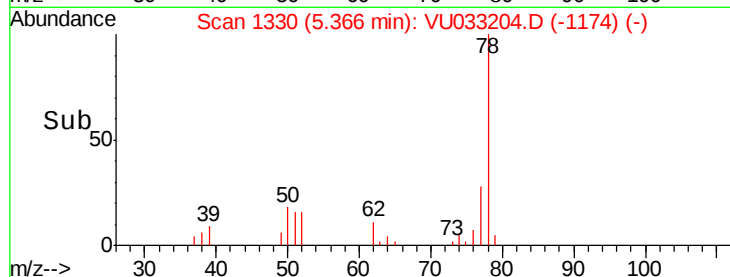
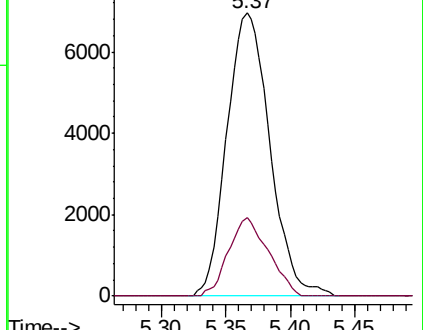
78 100

77 27.5 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033204.D (-1174) (-)

Ion 77.00 (76.70 to 77.70): VU033204.D (-1174) (-)



#36

1,2-Dichloroethane

Concen: 0.474 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033204.D

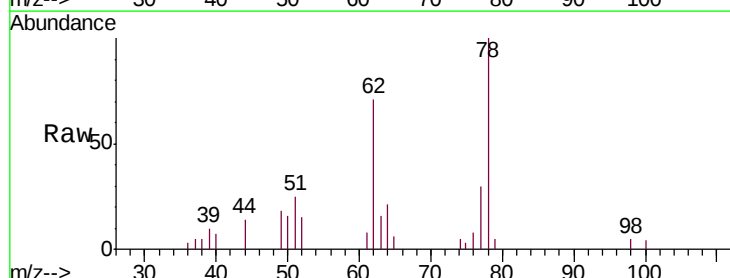
Acq: 11 Jul 2019 22:46

Tgt Ion: 62 Resp: 5302

Ion Ratio Lower Upper

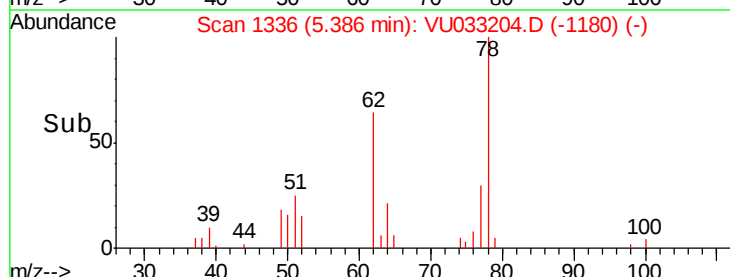
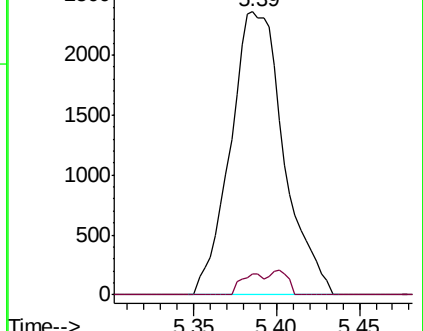
62 100

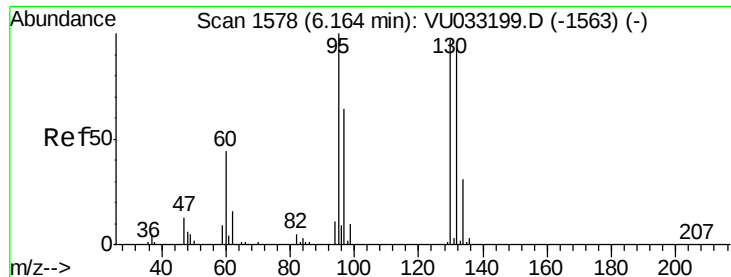
98 3.2 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU033204.D (-1180) (-)

Ion 98.00 (97.70 to 98.70): VU033204.D (-1180) (-)





#37

Trichloroethene

Concen: 0.459 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

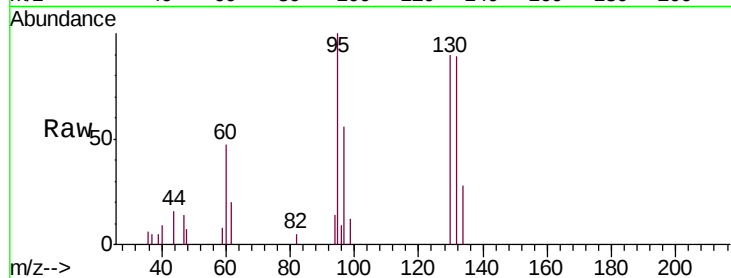
LOQ-WATER-02-QT3-2019

Tgt Ion:130 Resp: 4139

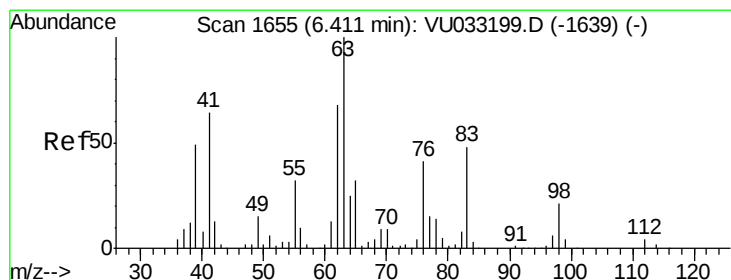
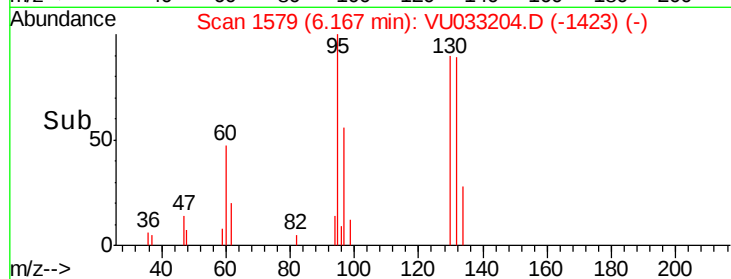
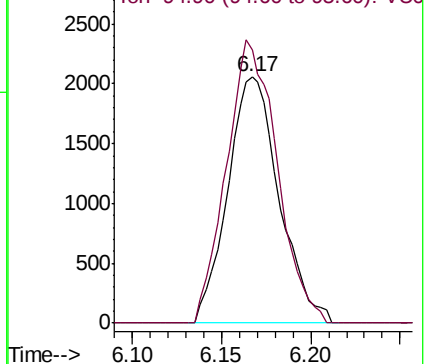
Ion Ratio Lower Upper

130 100

95 110.9 82.4 123.6



Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)



#38

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033204.D

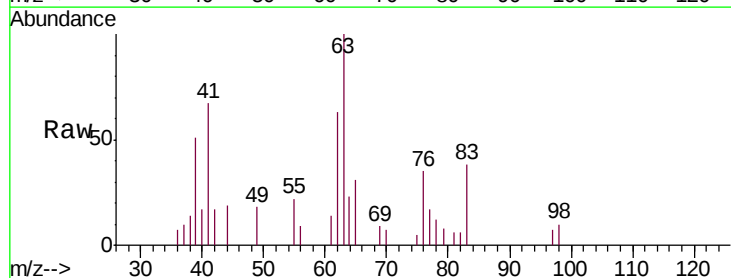
Acq: 11 Jul 2019 22:46

Tgt Ion: 63 Resp: 4291

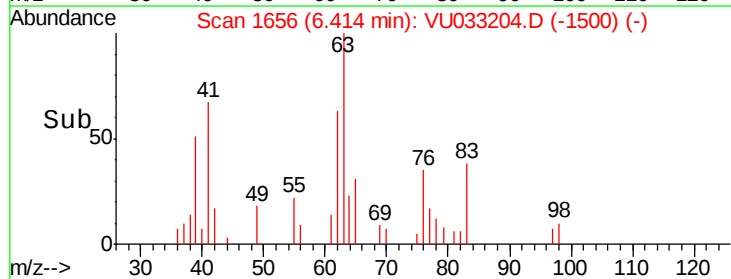
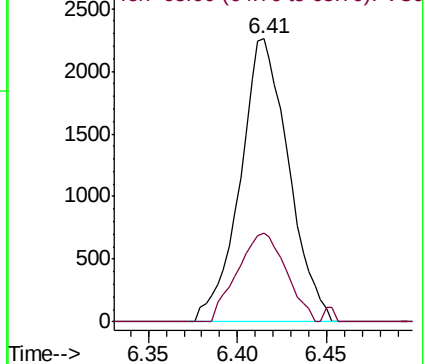
Ion Ratio Lower Upper

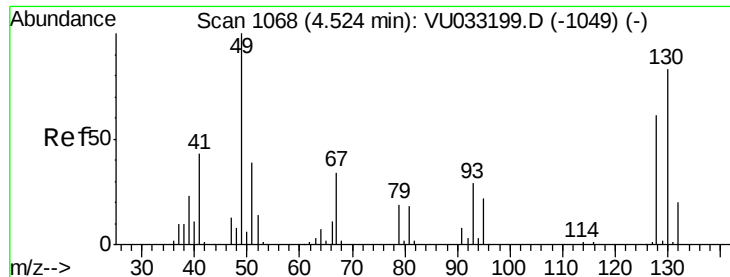
63 100

65 31.5 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)

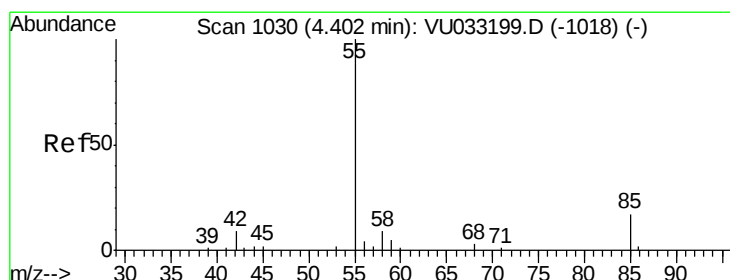
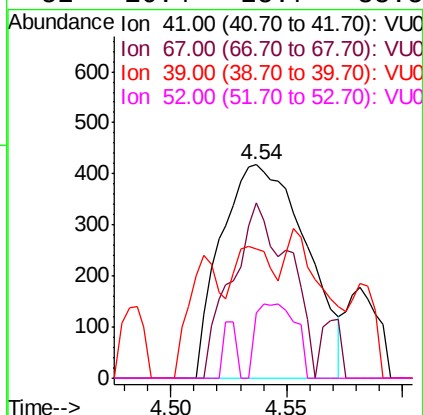
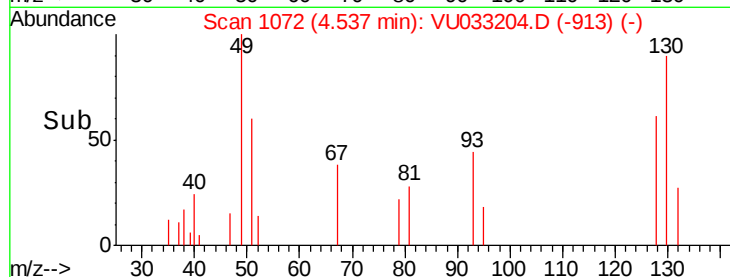
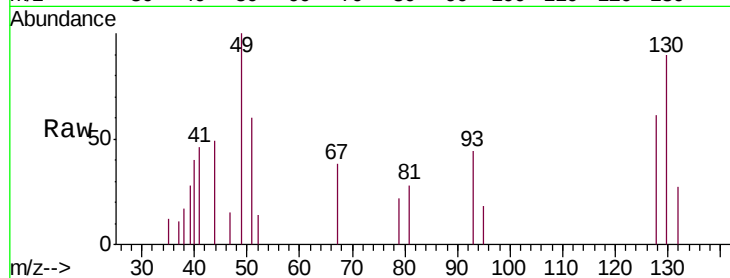




#39
Methacrylonitrile
Concen: 0.380 ug/l
RT: 4.54 min Scan# 1072
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

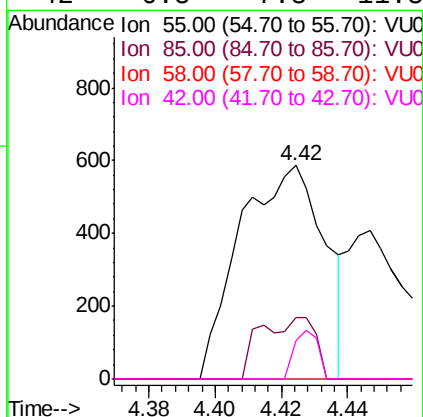
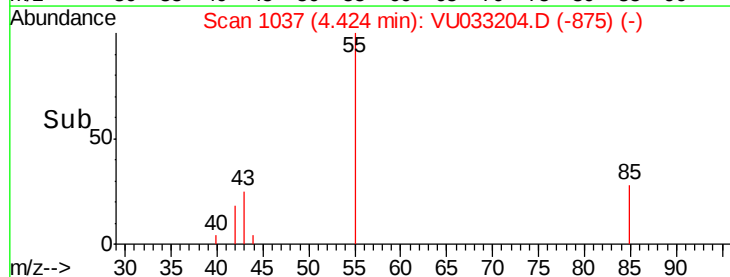
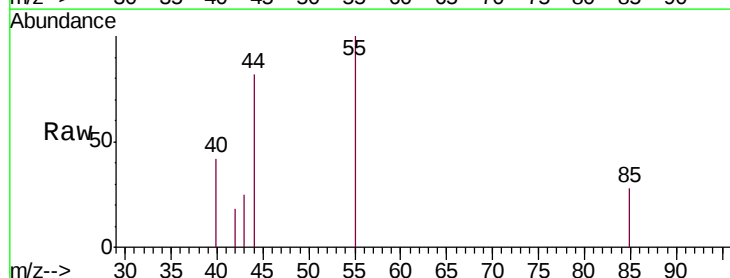
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

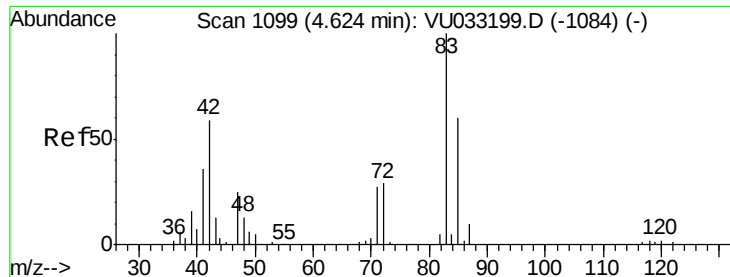
Tgt Ion: 41 Resp: 1069
Ion Ratio Lower Upper
41 100
67 55.6 61.0 91.4#
39 29.4 44.4 66.6#
52 16.4 25.7 38.5#



#40
Methyl acrylate
Concen: 0.250 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 55 Resp: 1041
Ion Ratio Lower Upper
55 100
85 0.0 13.0 19.6#
58 0.0 7.0 10.4#
42 6.5 7.8 11.8#





#41

Tetrahydrofuran

Concen: 0.454 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

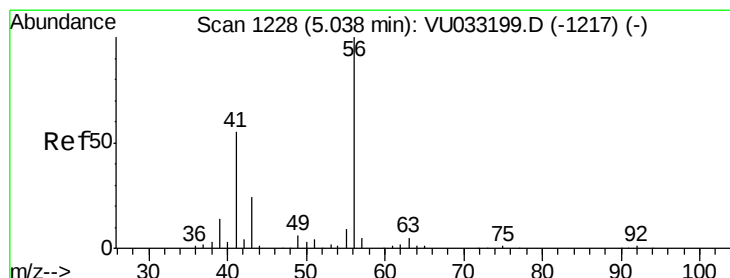
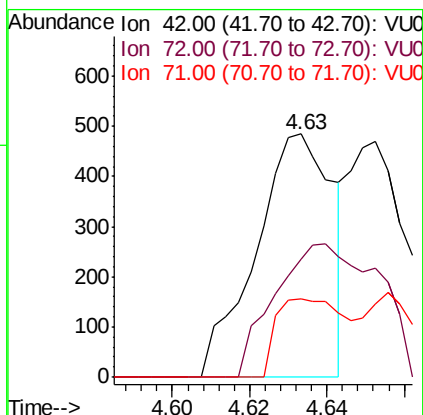
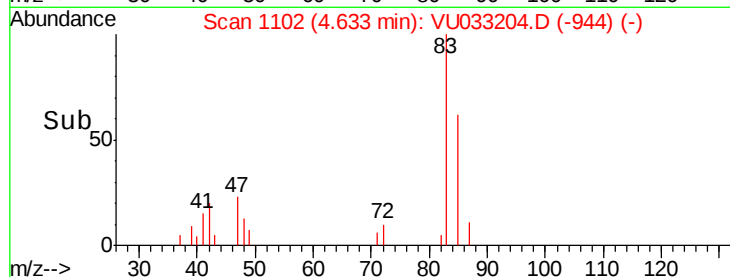
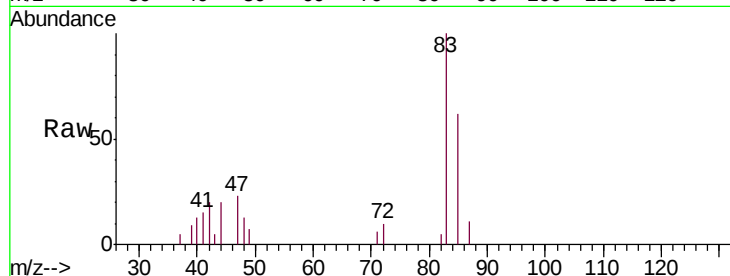
Tgt Ion: 42 Resp: 670

Ion Ratio Lower Upper

42 100

72 73.7 40.7 61.1#

71 28.1 35.4 53.0#



#42

1-Chlorobutane

Concen: 0.442 ug/l

RT: 5.04 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VU033204.D

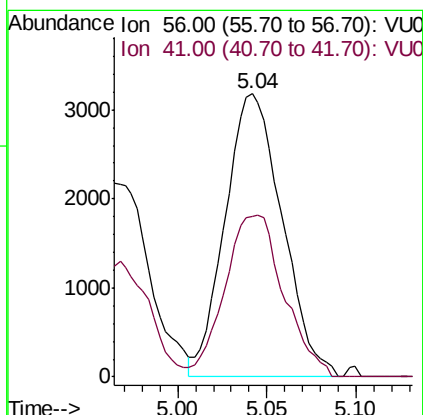
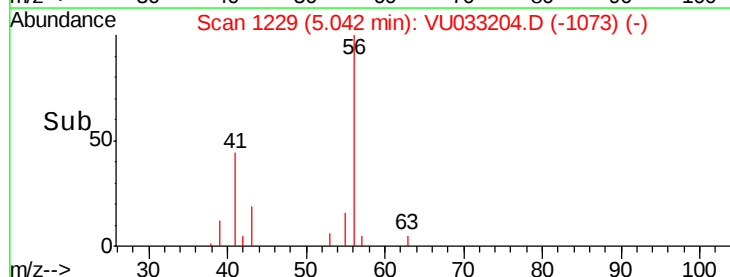
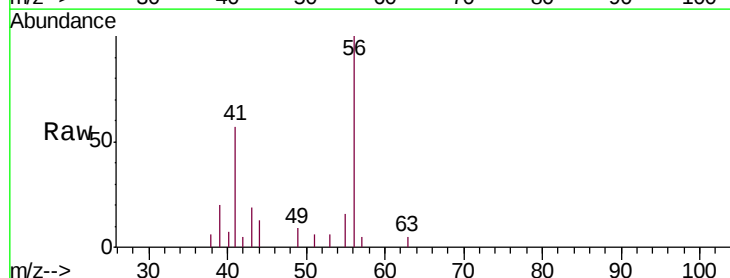
Acq: 11 Jul 2019 22:46

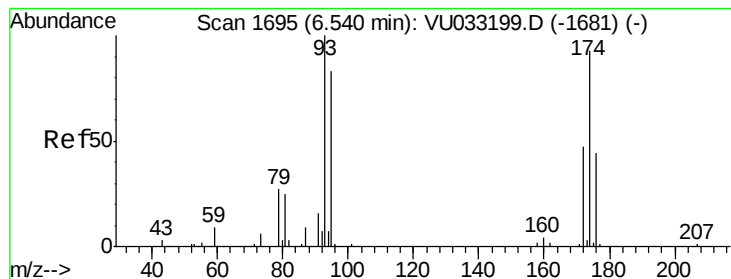
Tgt Ion: 56 Resp: 7101

Ion Ratio Lower Upper

56 100

41 58.9 26.5 79.4





#43

Dibromomethane

Concen: 0.442 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

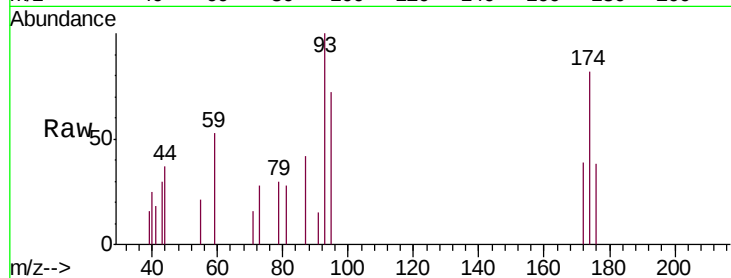
Tgt Ion: 93 Resp: 2206

Ion Ratio Lower Upper

93 100

95 41.8 67.5 101.3#

174 88.1 74.2 111.2

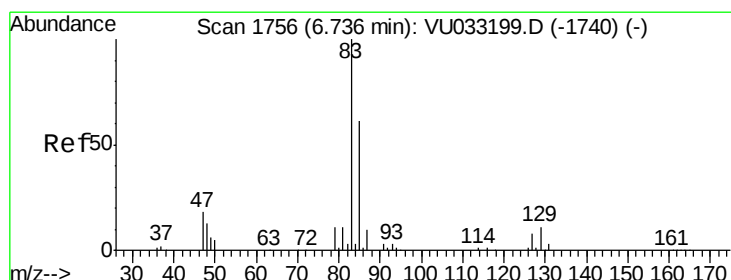
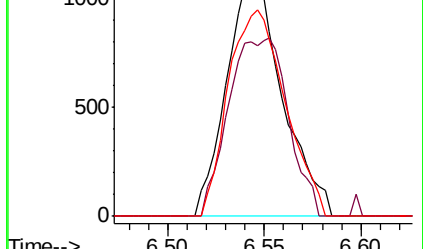
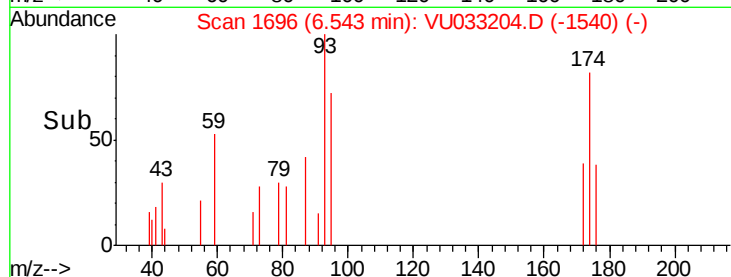


Abundance Ion 93.00 (92.70 to 93.70): VU033199.D (-1681) (-)

Ion 95.00 (94.70 to 95.70): VU033199.D (-1681) (-)

Ion 174.00 (173.70 to 174.70): VU033199.D (-1681) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.453 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

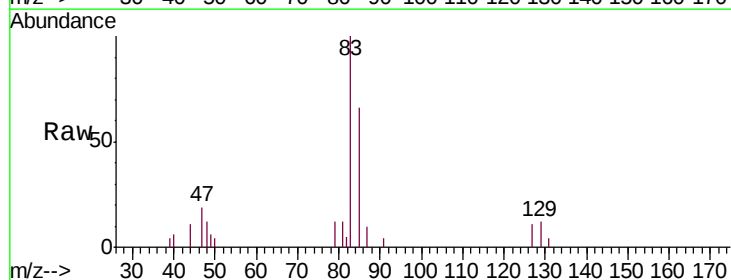
Tgt Ion: 83 Resp: 5572

Ion Ratio Lower Upper

83 100

85 65.5 49.1 73.7

127 11.0 6.6 9.8#

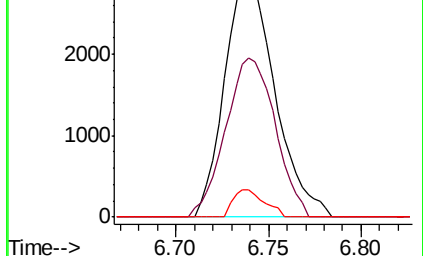
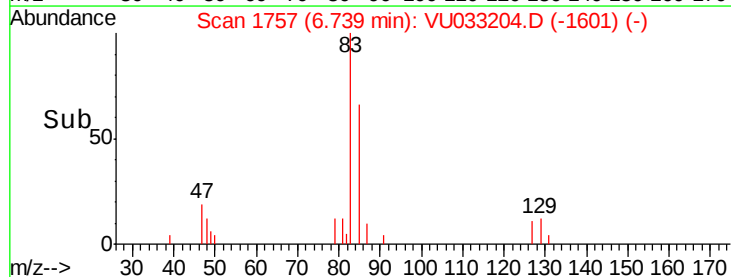


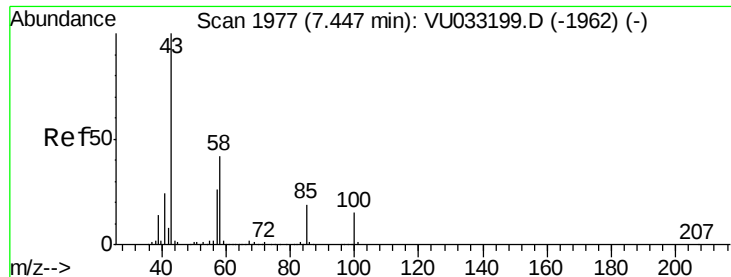
Abundance Ion 83.00 (82.70 to 83.70): VU033199.D (-1740) (-)

Ion 85.00 (84.70 to 85.70): VU033199.D (-1740) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-1740) (-)

Time-->

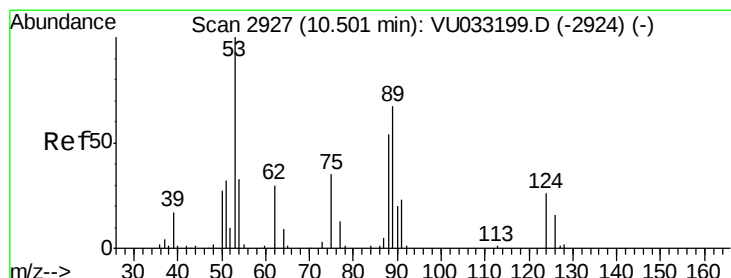
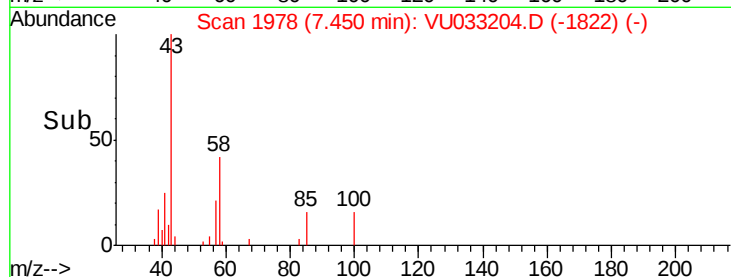
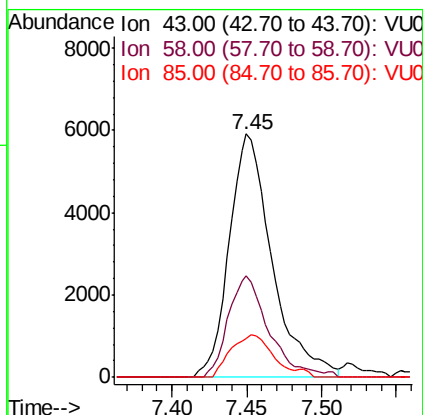
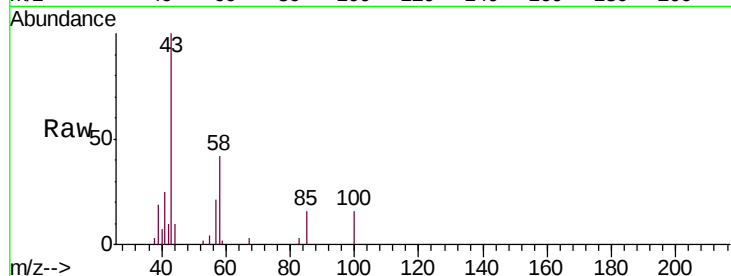




#45
4-Methyl-2-Pentanone
Concen: 2.099 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

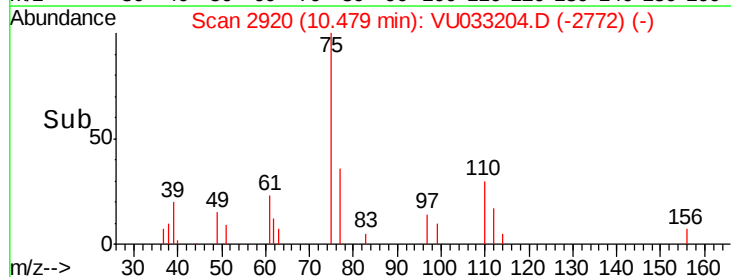
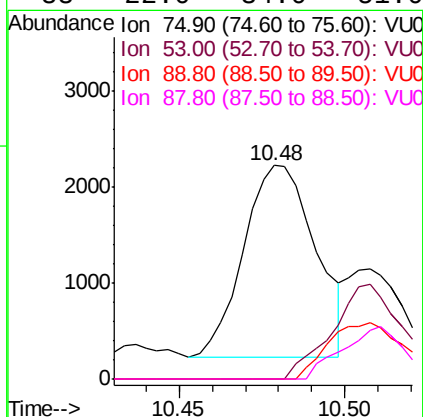
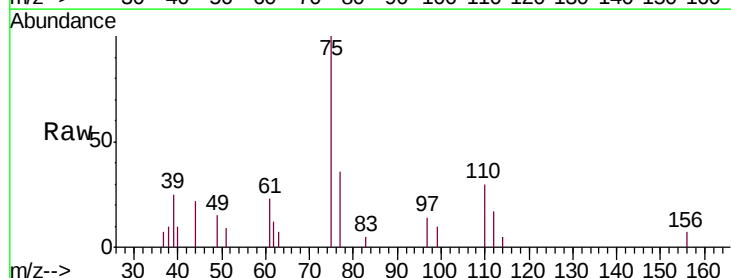
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

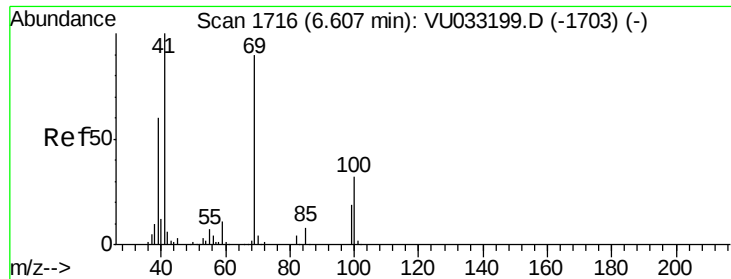
Tgt Ion: 43 Resp: 11807
Ion Ratio Lower Upper
43 100
58 39.3 20.4 61.2
85 17.6 14.7 22.1



#46
t-1,4-Dichloro-2-butene
Concen: 1.255 ug/l
RT: 10.48 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 75 Resp: 3005
Ion Ratio Lower Upper
75 100
53 49.9 63.8 95.6#
89 30.9 44.0 66.0#
88 22.0 34.0 51.0#

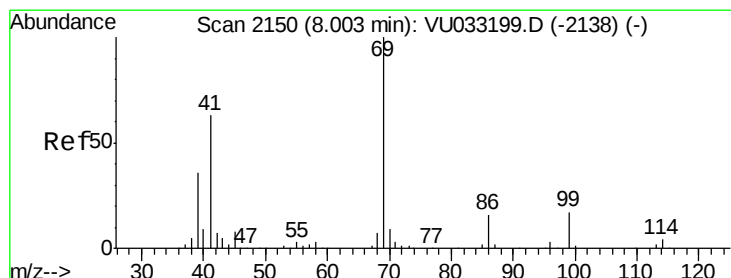
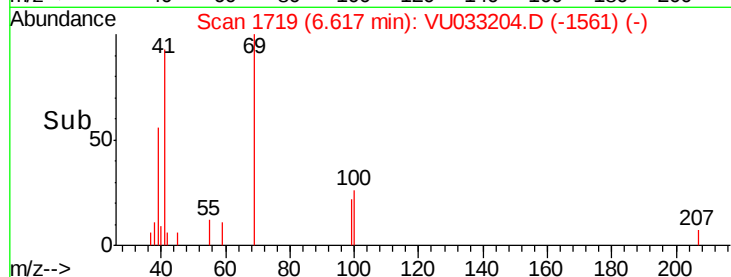
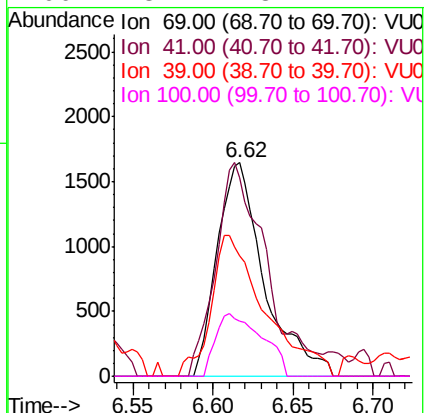
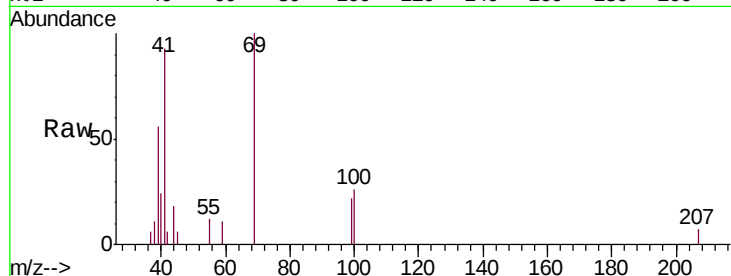




#47
Methyl methacrylate
Concen: 0.824 ug/l
RT: 6.62 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

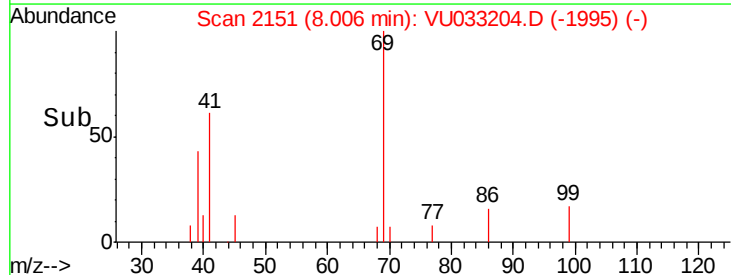
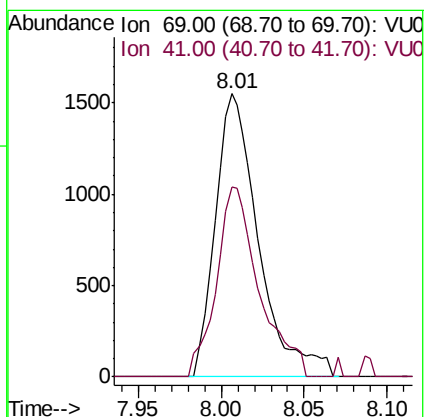
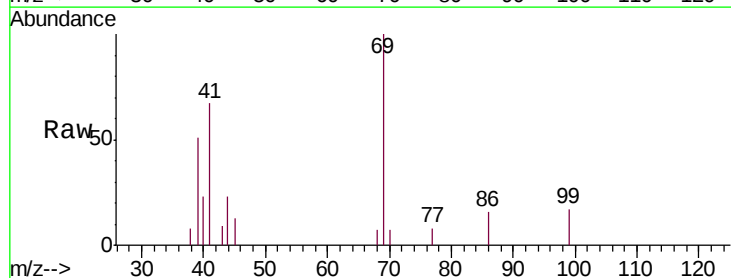
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

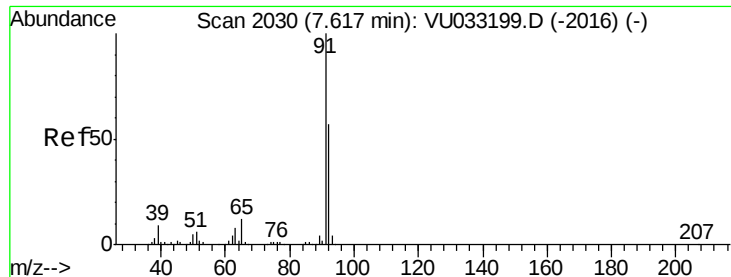
Tgt Ion: 69 Resp: 3330
Ion Ratio Lower Upper
69 100
41 107.5 0.0 217.0
39 75.4 52.1 78.1
100 28.7 28.2 42.4



#48
Ethyl methacrylate
Concen: 0.369 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 69 Resp: 2801
Ion Ratio Lower Upper
69 100
41 66.1 31.3 93.8





#49

Toluene

Concen: 0.414 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

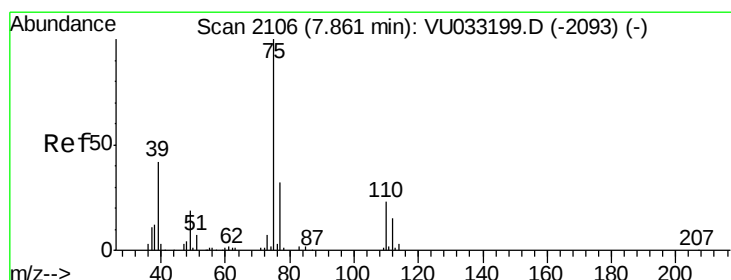
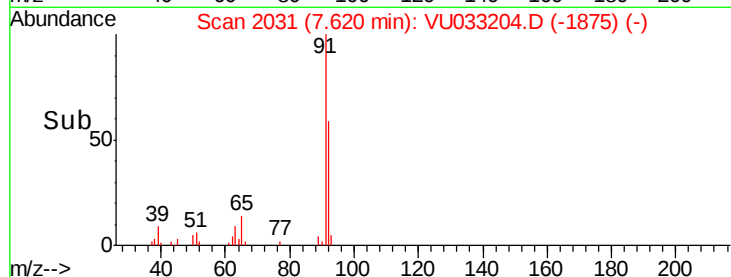
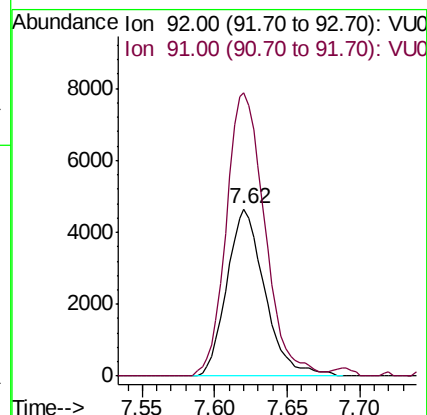
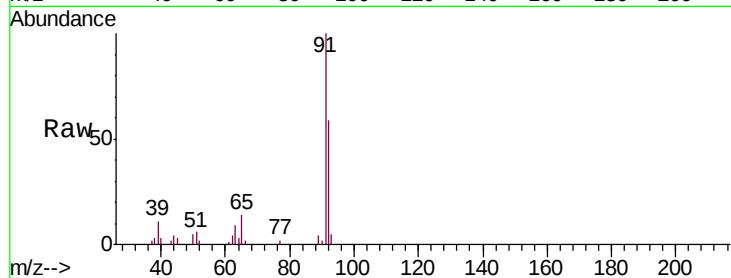
LOQ-WATER-02-QT3-2019

Tgt Ion: 92 Resp: 8426

Ion Ratio Lower Upper

92 100

91 172.0 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 0.418 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033204.D

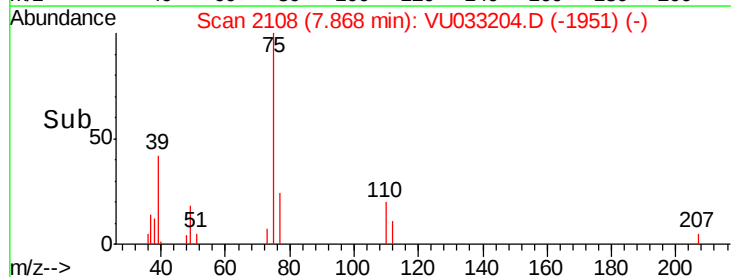
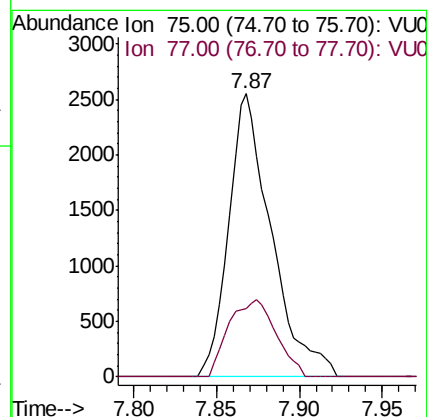
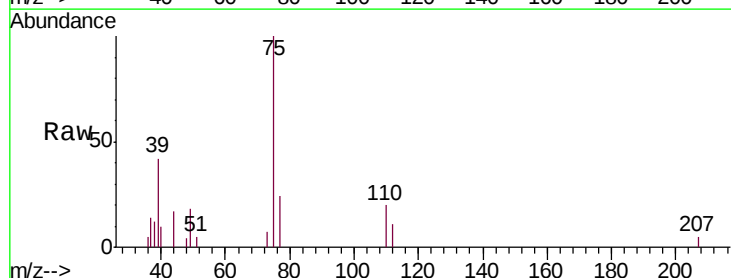
Acq: 11 Jul 2019 22:46

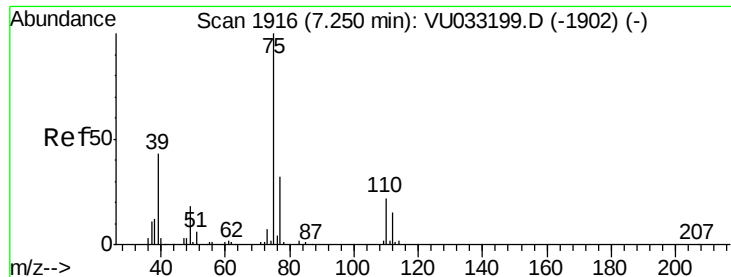
Tgt Ion: 75 Resp: 4565

Ion Ratio Lower Upper

75 100

77 24.0 25.2 37.8#



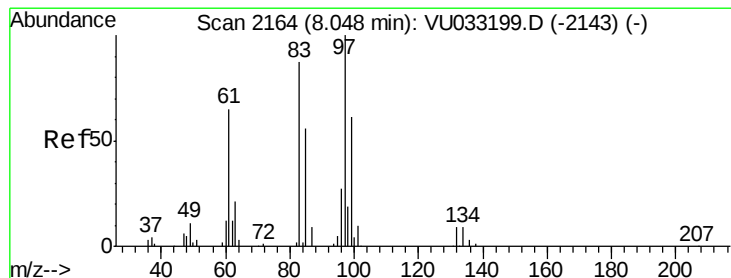
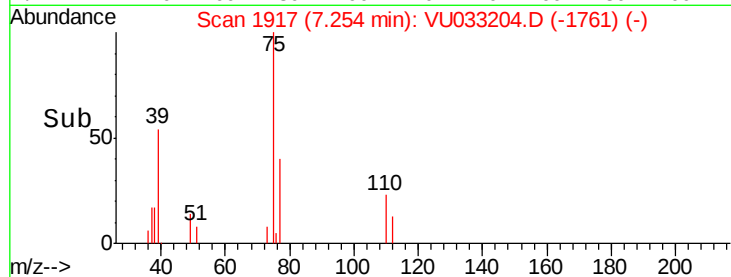
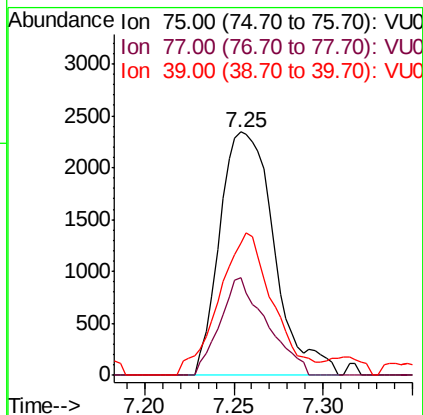
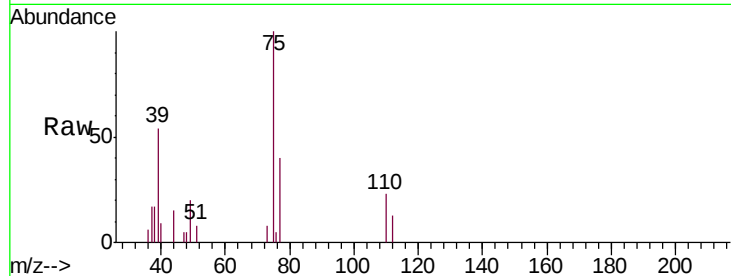


#51

cis-1,3-Dichloropropene
Concen: 0.393 ug/l
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

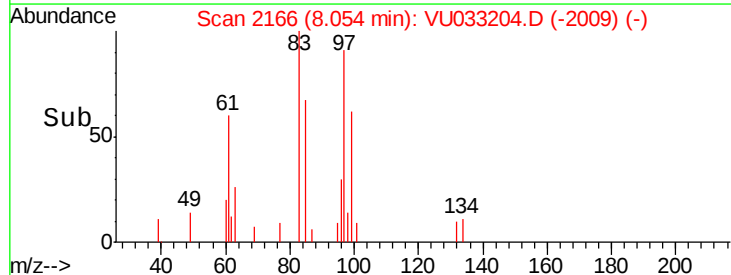
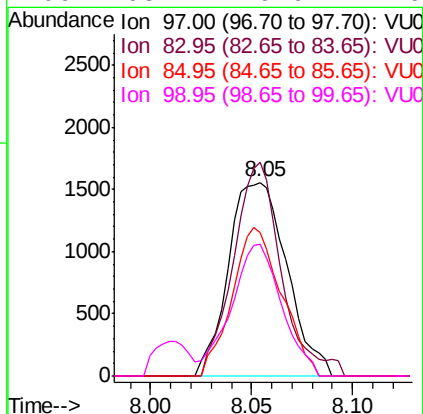
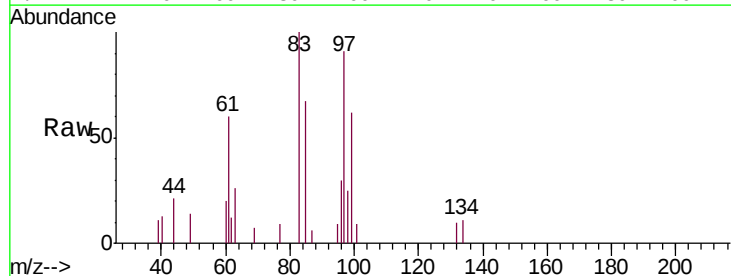
Tgt Ion: 75 Resp: 4963
Ion Ratio Lower Upper
75 100
77 40.1 25.4 38.0#
39 47.3 34.5 51.7

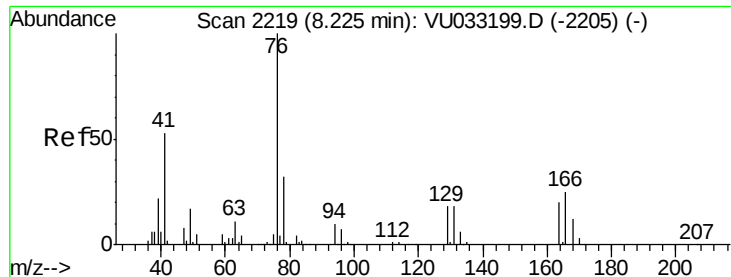


#52

1,1,2-Trichloroethane
Concen: 0.455 ug/l
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 97 Resp: 3152
Ion Ratio Lower Upper
97 100
83 110.3 69.9 104.9#
85 73.7 45.2 67.8#
99 68.1 49.9 74.9

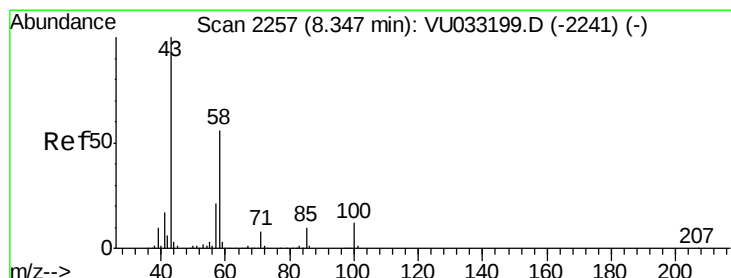
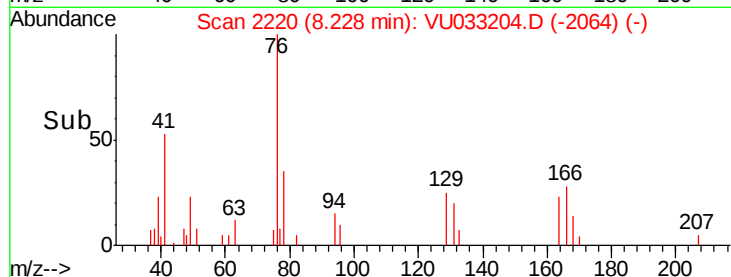
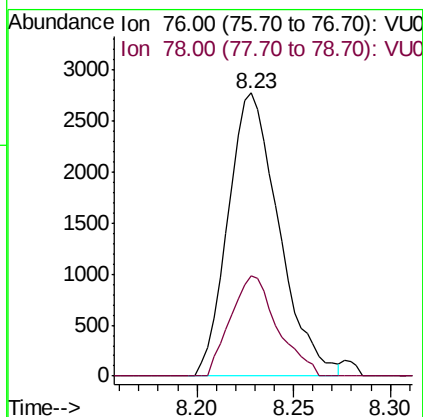
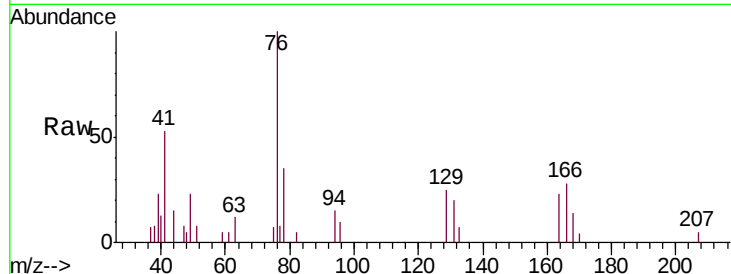




#53
 1,3-Dichloropropane
 Concen: 0.432 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

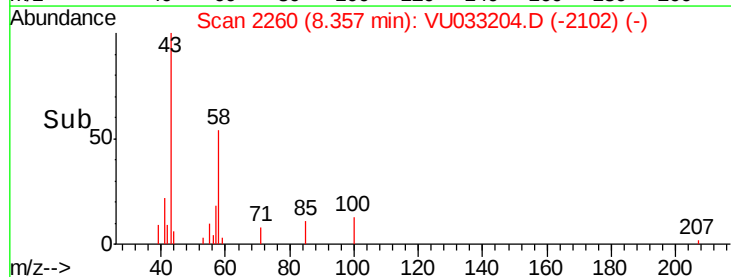
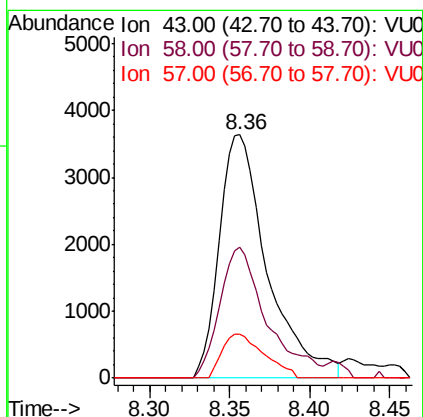
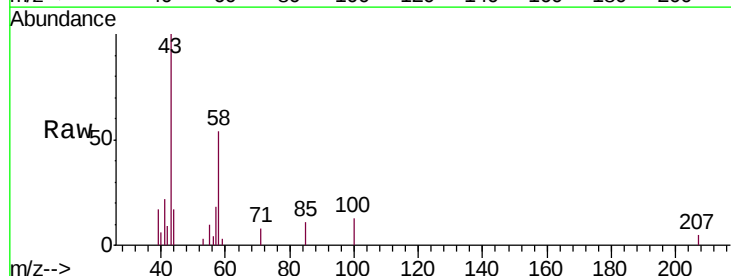
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

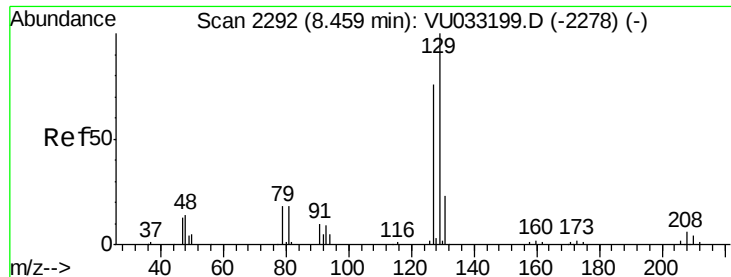
Tgt Ion: 76 Resp: 5077
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#54
 2-Hexanone
 Concen: 1.909 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 43 Resp: 7503
 Ion Ratio Lower Upper
 43 100
 58 52.5 35.8 75.8
 57 15.8 0.2 40.2





#55

Dibromochloromethane

Concen: 0.467 ug/l

RT: 8.46 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

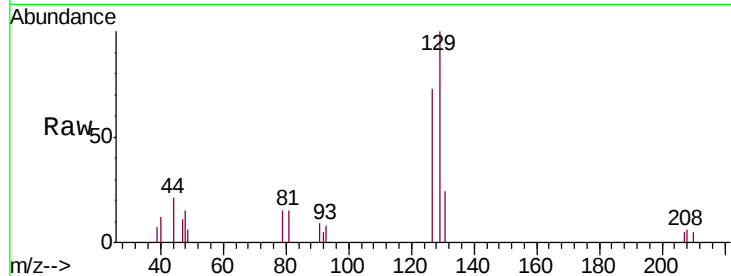
LOQ-WATER-02-QT3-2019

Tgt Ion:129 Resp: 3750

Ion Ratio Lower Upper

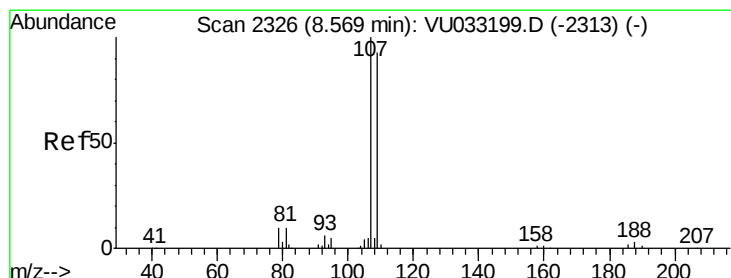
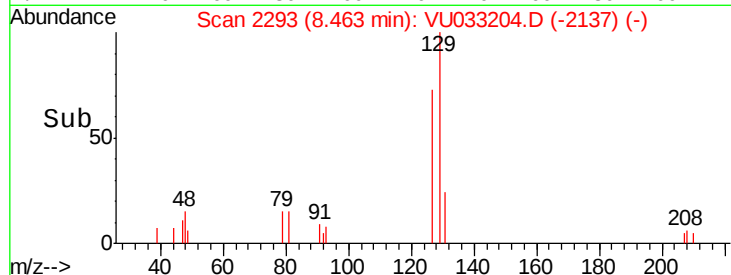
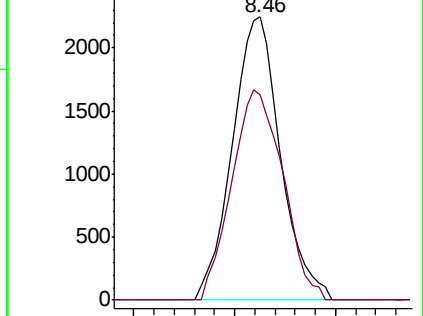
129 100

127 78.8 62.9 94.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.451 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033204.D

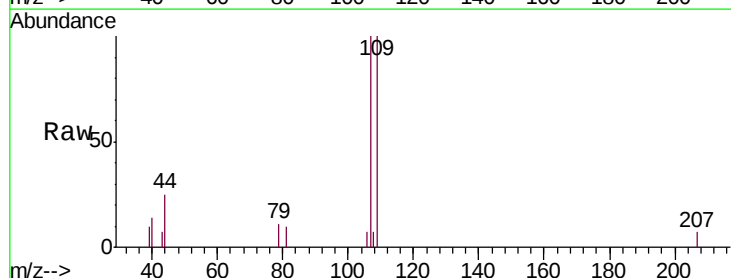
Acq: 11 Jul 2019 22:46

Tgt Ion:107 Resp: 2890

Ion Ratio Lower Upper

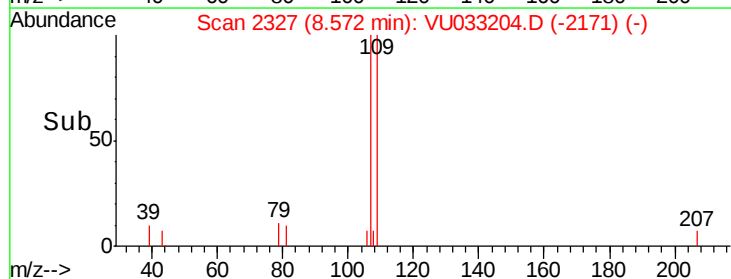
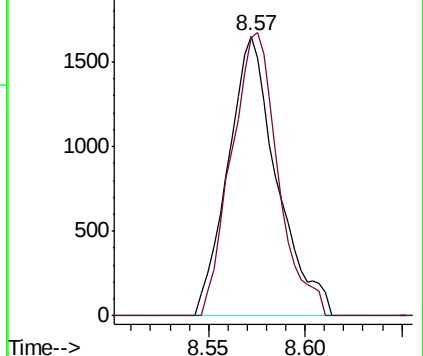
107 100

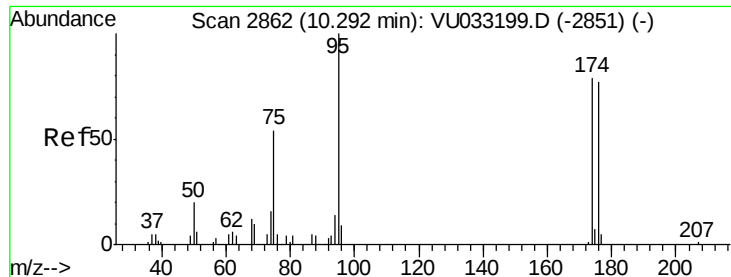
109 97.3 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

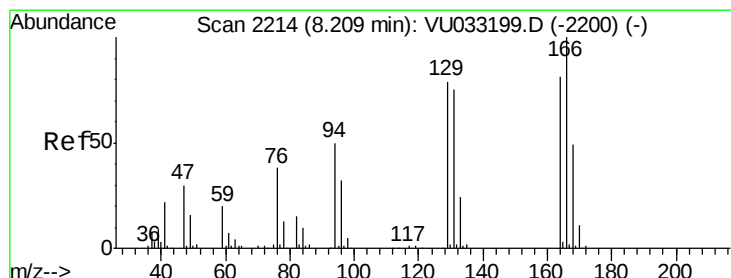
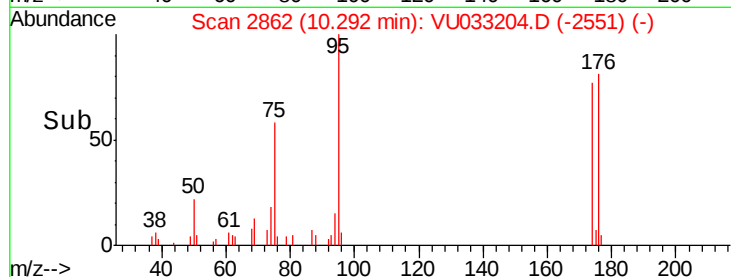
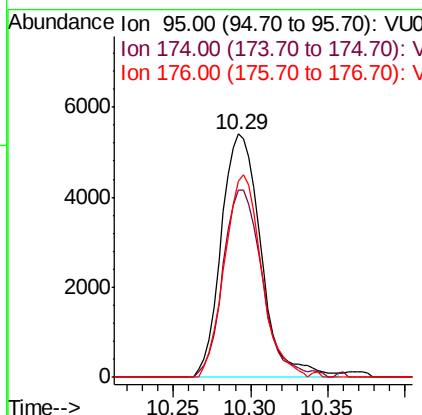
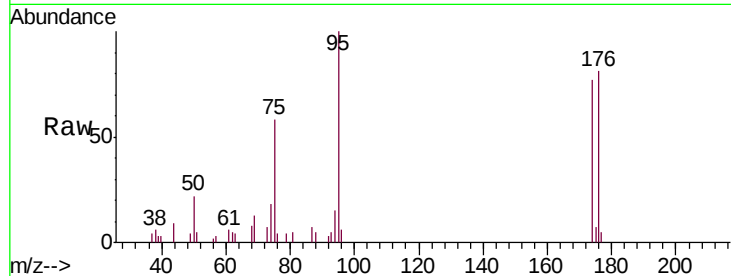




#57
4-Bromofluorobenzene
Concen: 0.873 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

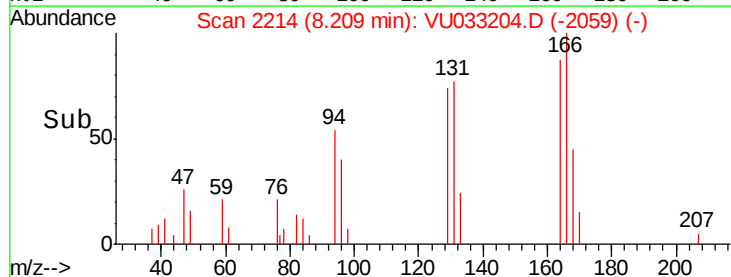
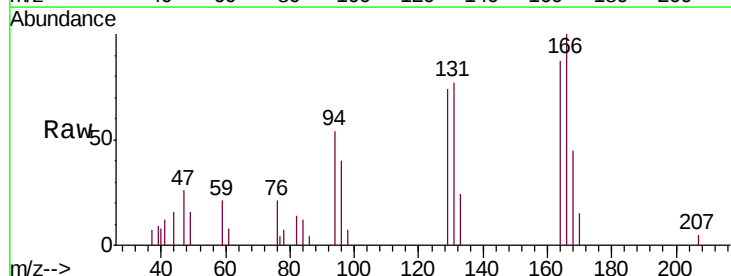
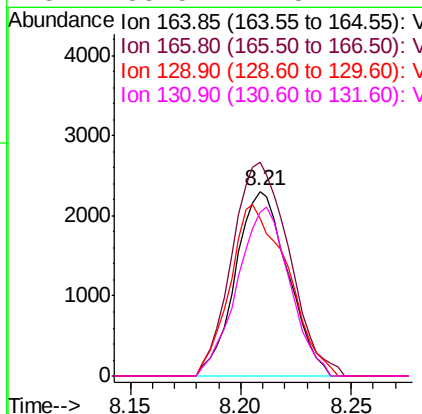
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

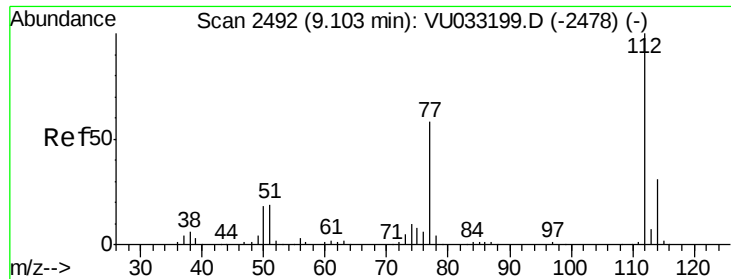
Tgt Ion: 95 Resp: 9655
Ion Ratio Lower Upper
95 100
174 76.0 63.8 95.8
176 77.0 64.5 96.7



#58
Tetrachloroethene
Concen: 0.461 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 164 Resp: 3805
Ion Ratio Lower Upper
164 100
166 115.5 99.3 148.9
129 85.2 78.0 117.0
131 88.5 74.5 111.7

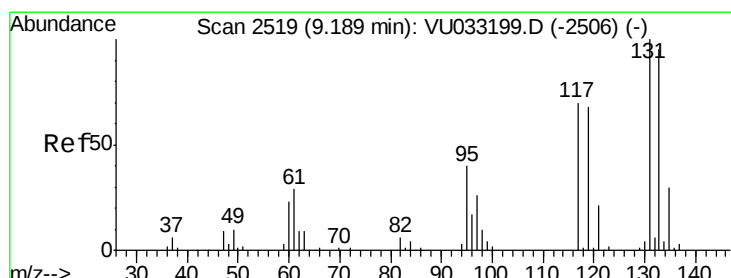
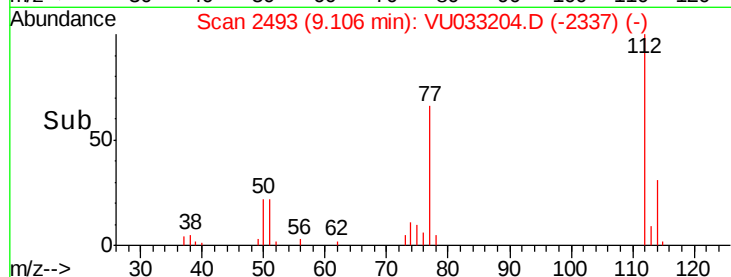
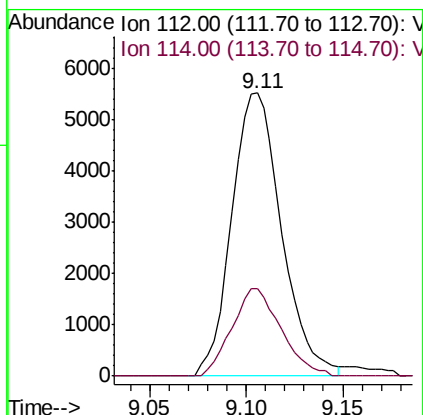
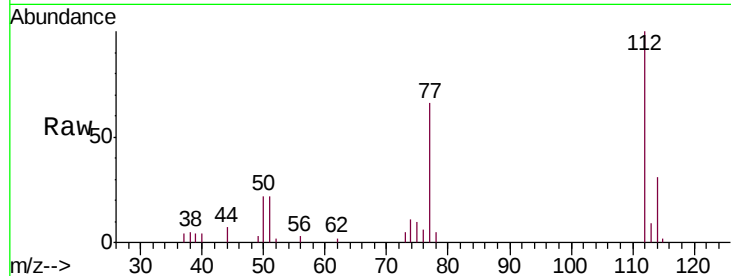




#59
Chlorobenzene
Concen: 0.432 ug/l
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

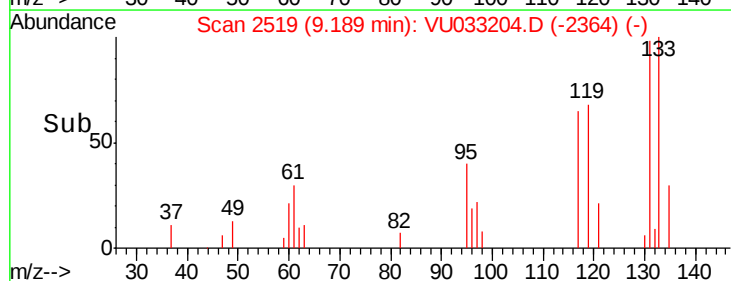
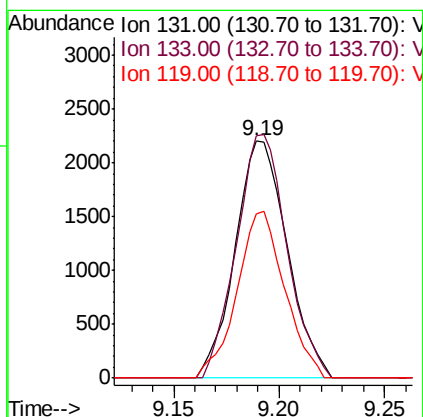
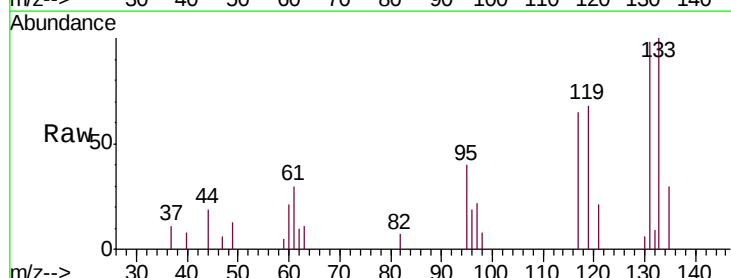
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

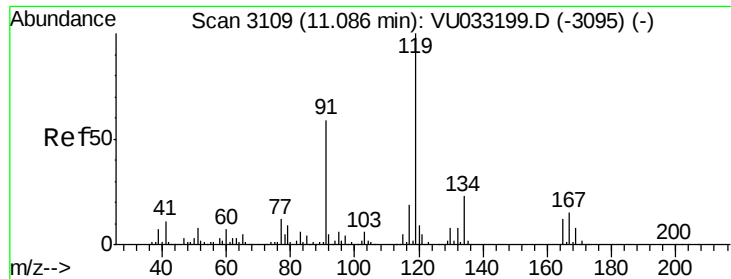
Tgt Ion:112 Resp: 9883
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7



#60
1,1,1,2-Tetrachloroethane
Concen: 0.447 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion:131 Resp: 3770
Ion Ratio Lower Upper
131 100
133 100.2 76.7 115.1
119 64.6 54.2 81.2





#61

Pentachloroethane

Concen: 0.445 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

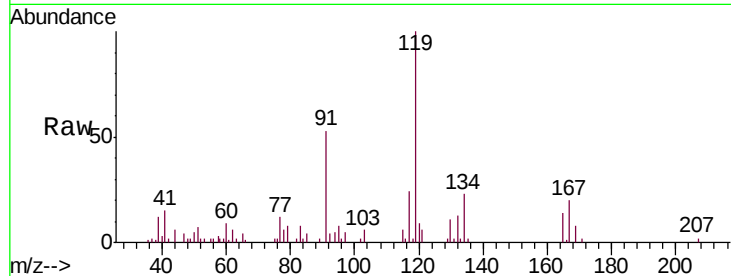
LOQ-WATER-02-QT3-2019

Tgt Ion:117 Resp: 2951

Ion Ratio Lower Upper

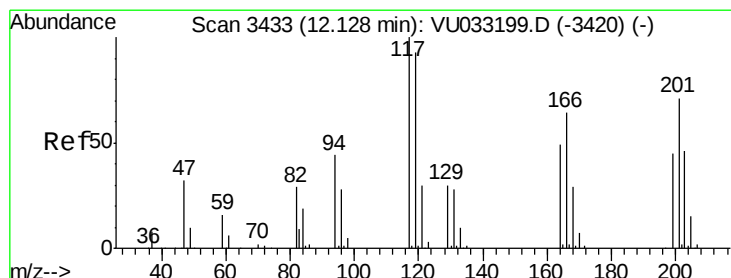
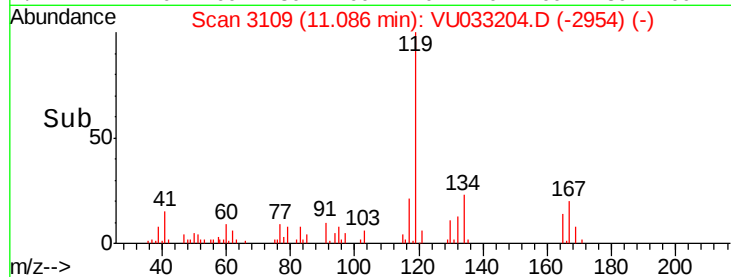
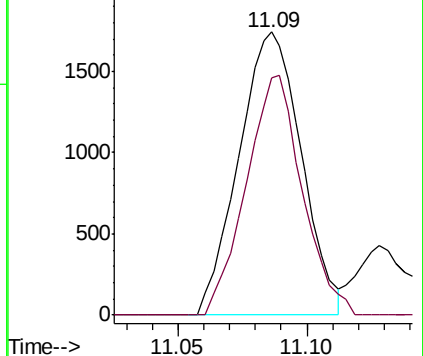
117 100

167 76.0 63.6 95.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.401 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033204.D

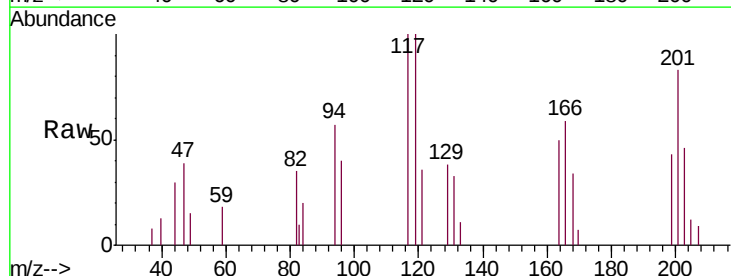
Acq: 11 Jul 2019 22:46

Tgt Ion:117 Resp: 2582

Ion Ratio Lower Upper

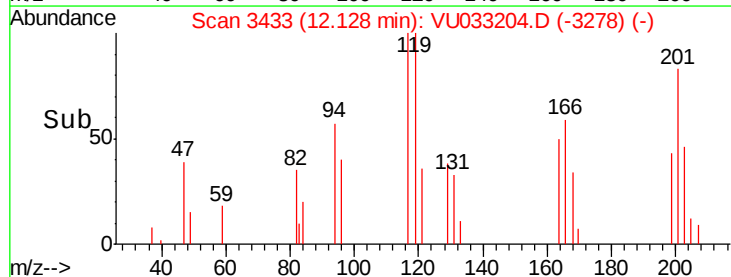
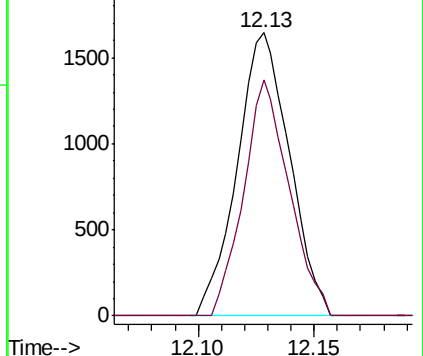
117 100

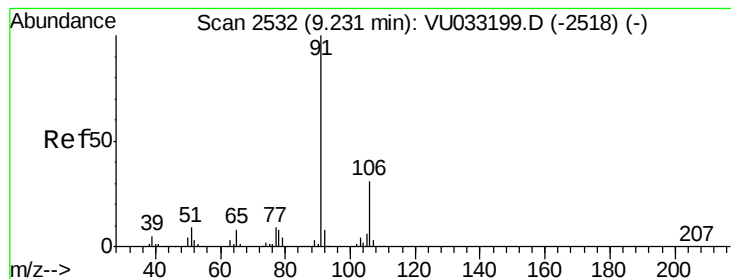
201 72.7 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.399 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

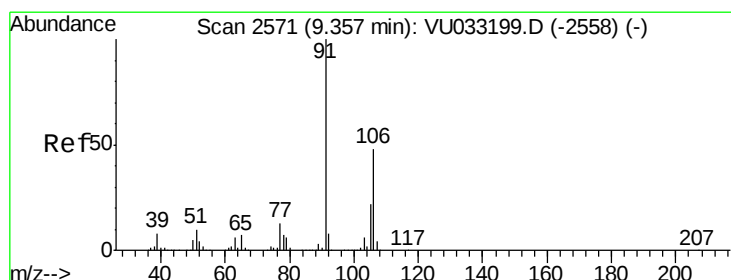
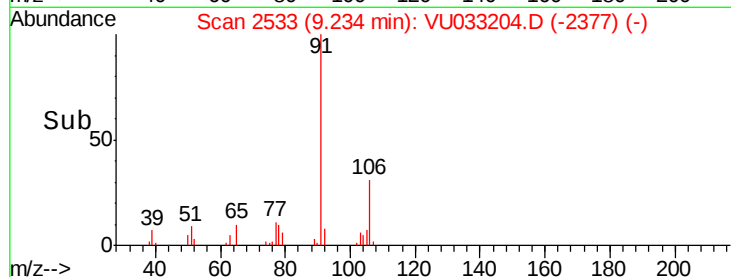
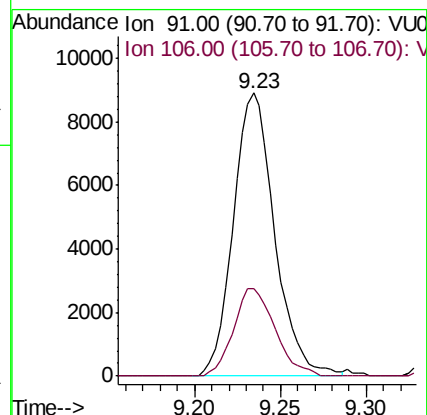
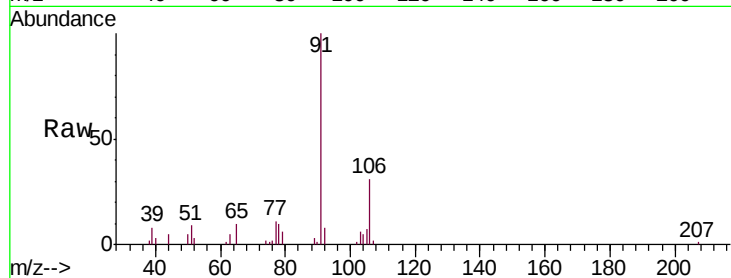
LOQ-WATER-02-QT3-2019

Tgt Ion: 91 Resp: 14930

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#64

m/p-Xylenes

Concen: 0.704 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033204.D

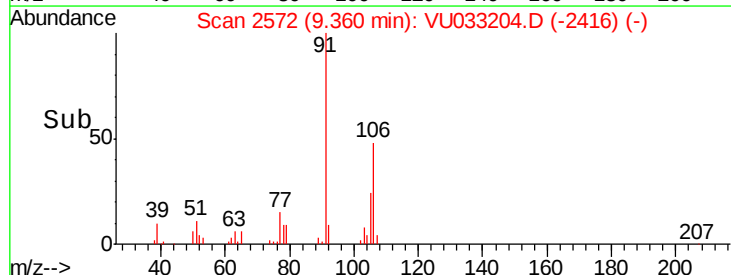
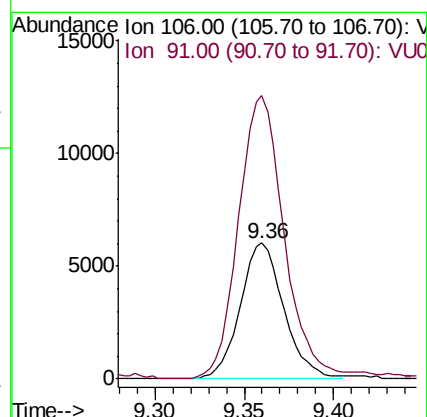
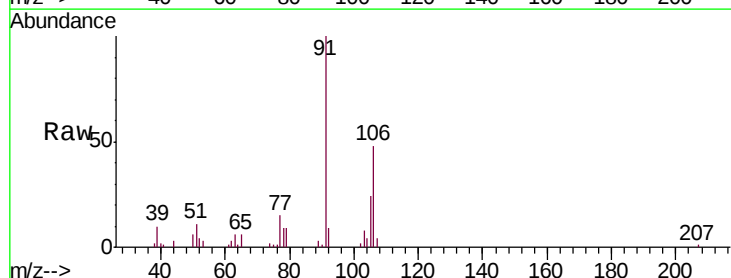
Acq: 11 Jul 2019 22:46

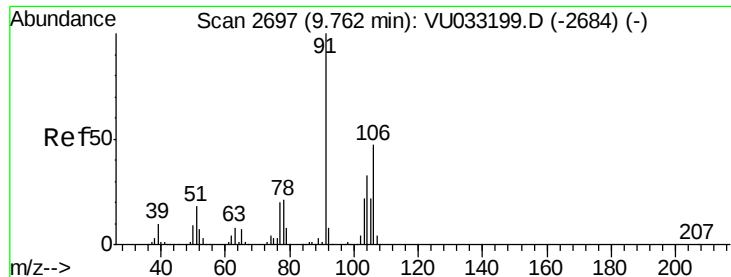
Tgt Ion: 106 Resp: 10298

Ion Ratio Lower Upper

106 100

91 220.9 164.8 247.2

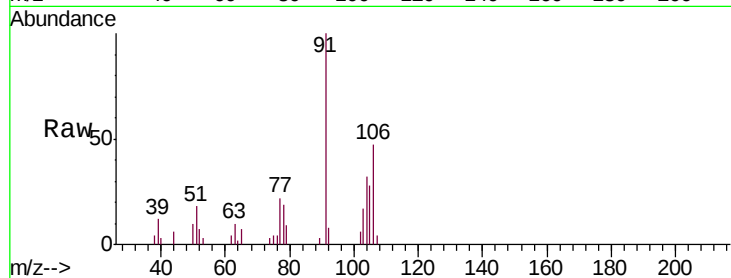




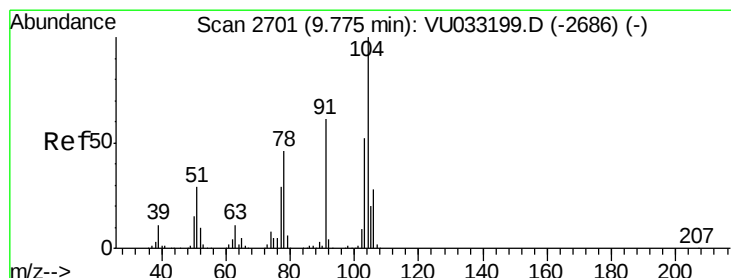
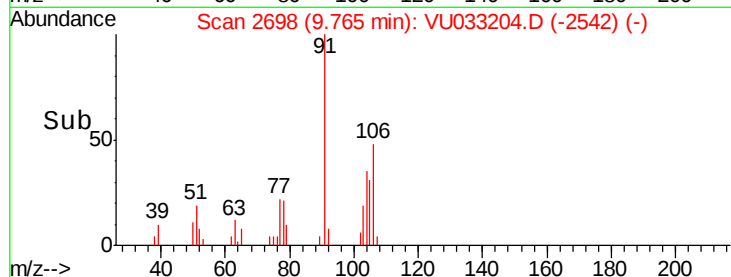
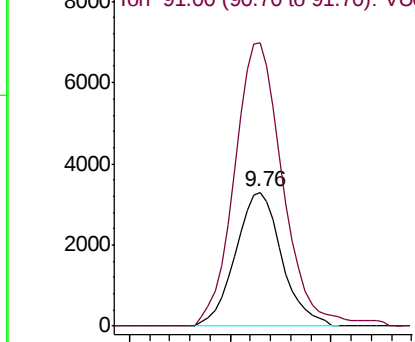
#65
o-Xylene
Concen: 0.373 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:106 Resp: 5302
Ion Ratio Lower Upper
106 100
91 222.2 108.6 325.8

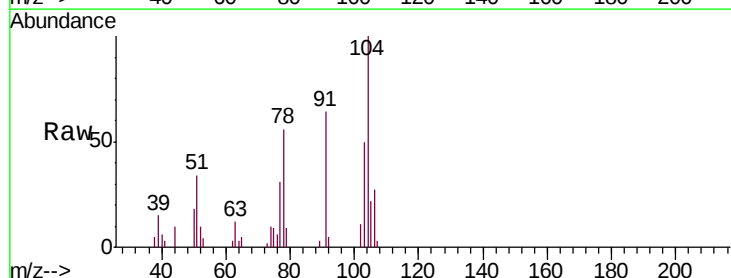


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

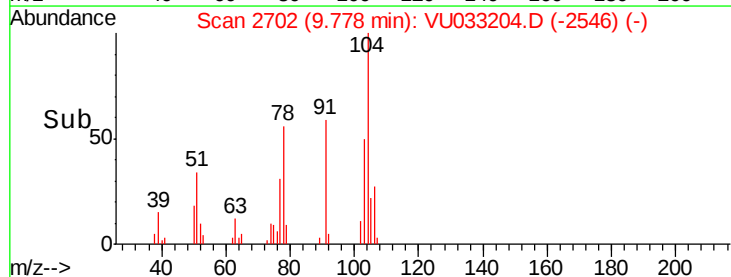
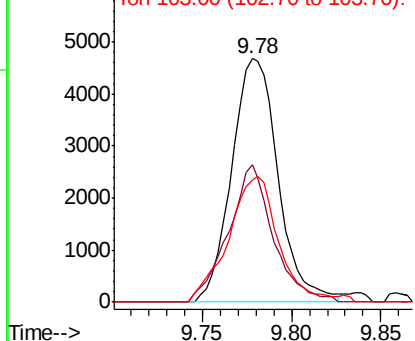


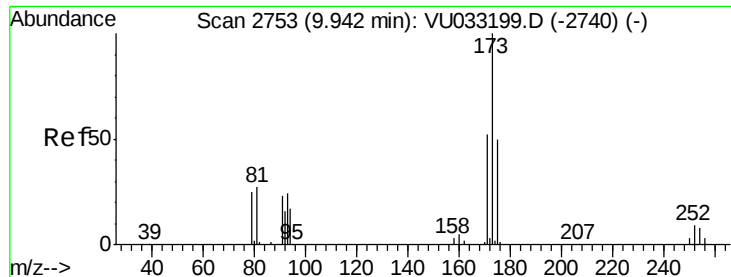
#66
Styrene
Concen: 0.355 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion:104 Resp: 8531
Ion Ratio Lower Upper
104 100
78 54.1 40.4 60.6
103 56.0 44.3 66.5



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

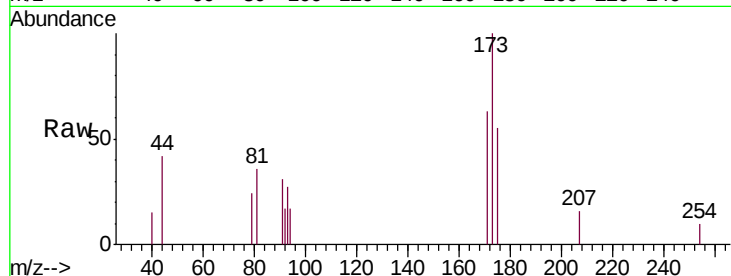




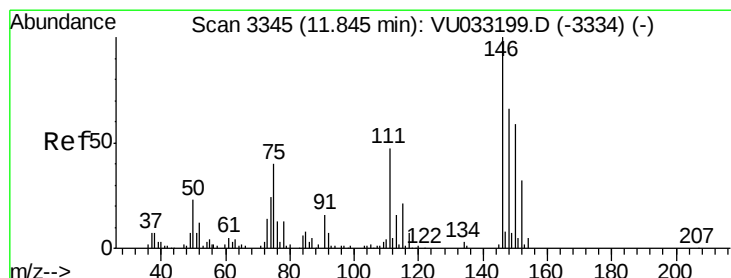
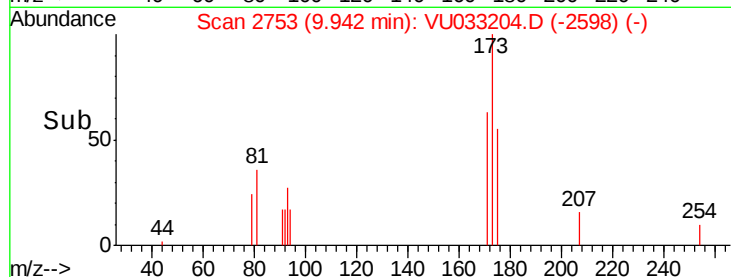
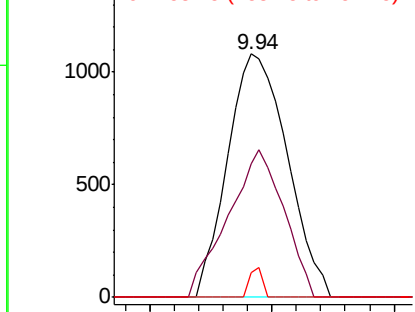
#67
Bromoform
Concen: 0.402 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:173 Resp: 1834
Ion Ratio Lower Upper
173 100
175 56.4 39.4 59.0
254 2.6 6.9 10.3#

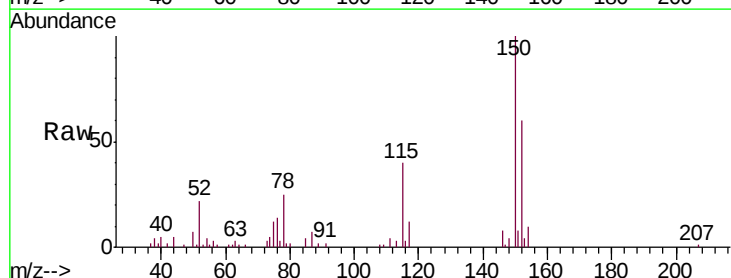


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

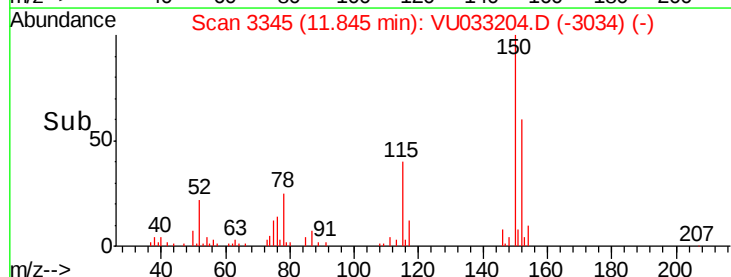
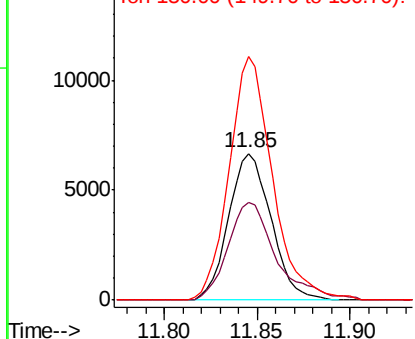


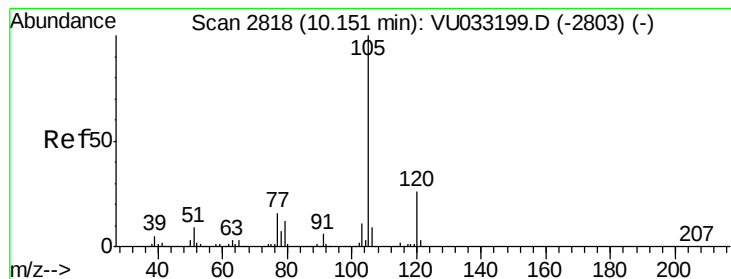
#68
1,2-Dichlorobenzene-d4
Concen: 0.886 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion:152 Resp: 10620
Ion Ratio Lower Upper
152 100
115 75.4 0.0 131.0
150 169.5 0.0 634.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.384 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

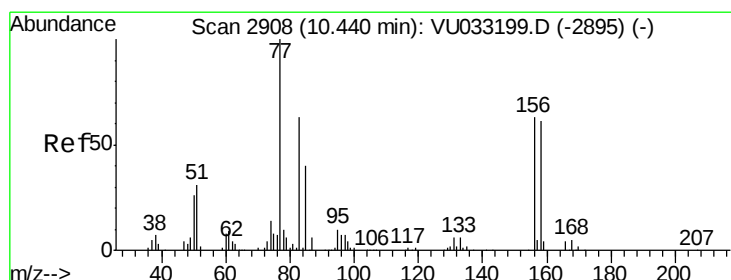
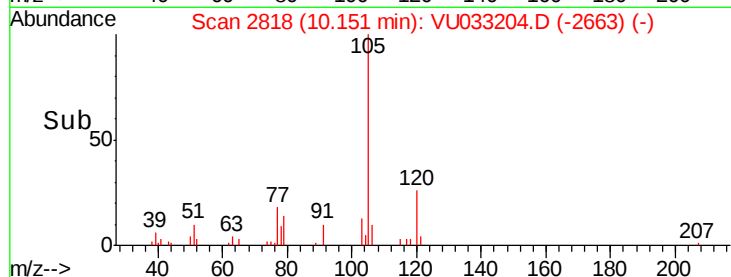
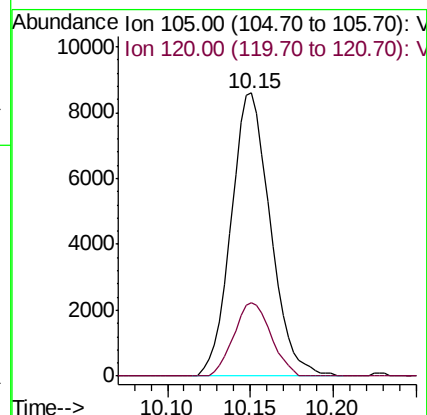
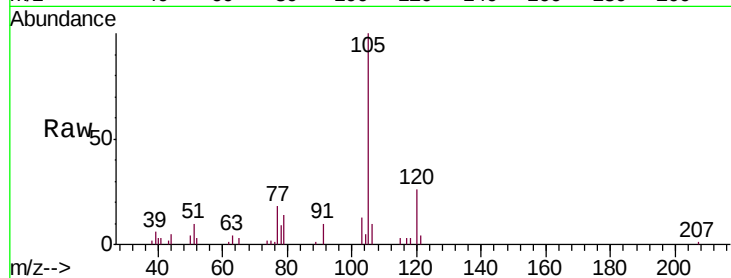
LOQ-WATER-02-QT3-2019

Tgt Ion:105 Resp: 14176

Ion Ratio Lower Upper

105 100

120 24.4 13.2 39.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.469 ug/l

RT: 10.45 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

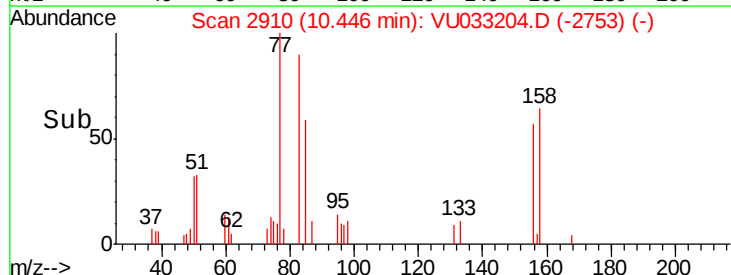
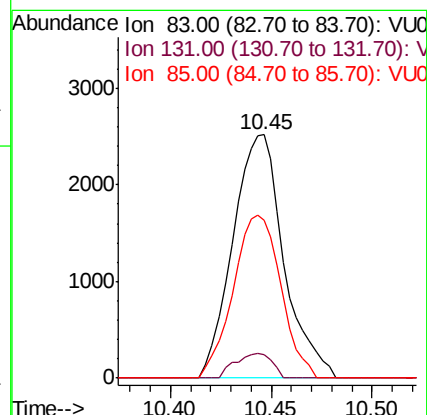
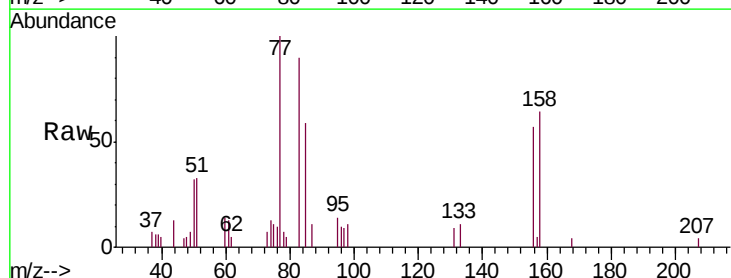
Tgt Ion: 83 Resp: 4431

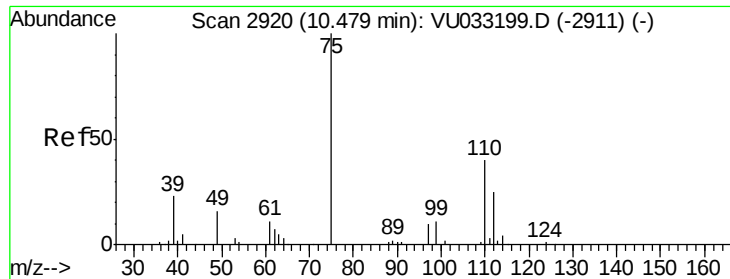
Ion Ratio Lower Upper

83 100

131 7.4 8.0 12.0#

85 62.9 50.6 76.0

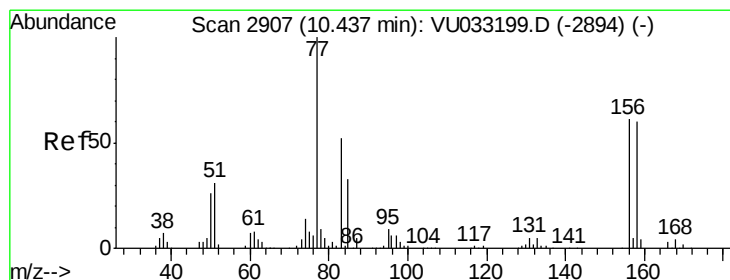
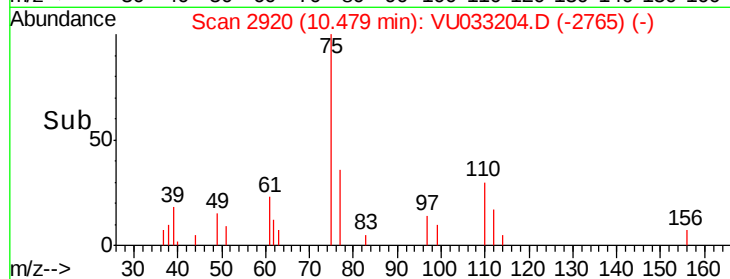
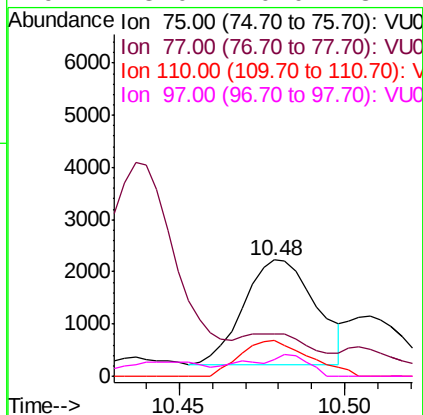
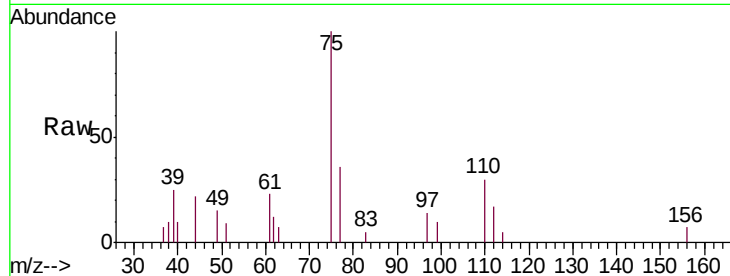




#71
 1,2,3-Trichloropropane
 Concen: 0.425 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

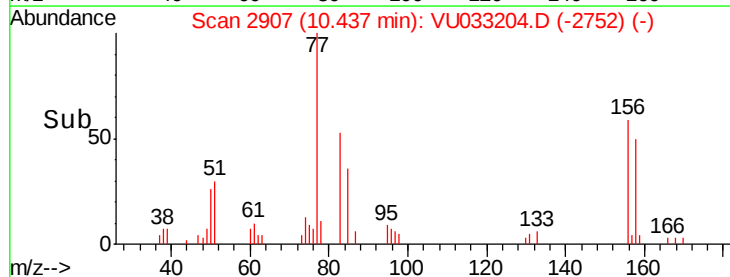
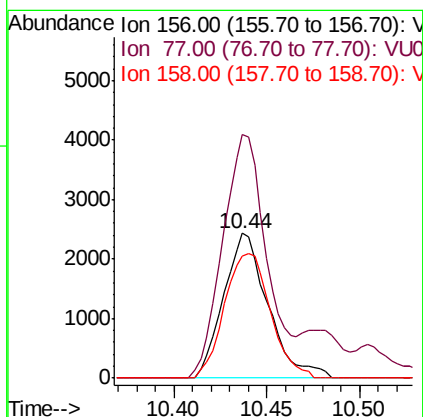
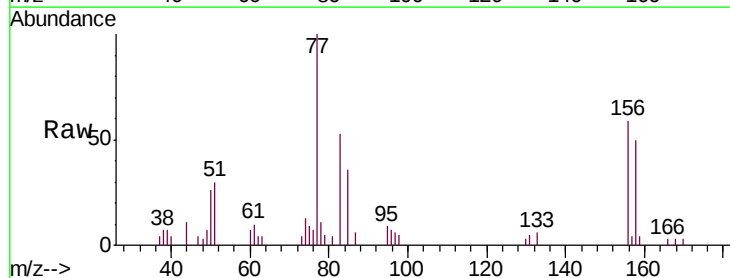
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

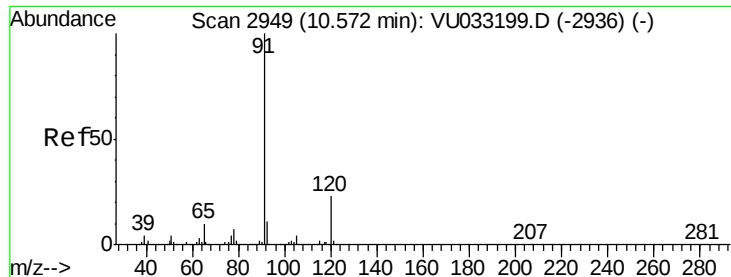
Tgt Ion:	75	Resp:	3005
Ion	Ratio	Lower	Upper
75	100		
77	16.0	0.0	15.4#
110	33.1	0.0	72.2
97	18.0	0.0	37.2



#72
 Bromobenzene
 Concen: 0.422 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:	156	Resp:	4046
Ion	Ratio	Lower	Upper
156	100		
77	166.6	0.0	326.0
158	88.7	0.0	193.2





#73

n-propylbenzene

Concen: 0.404 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

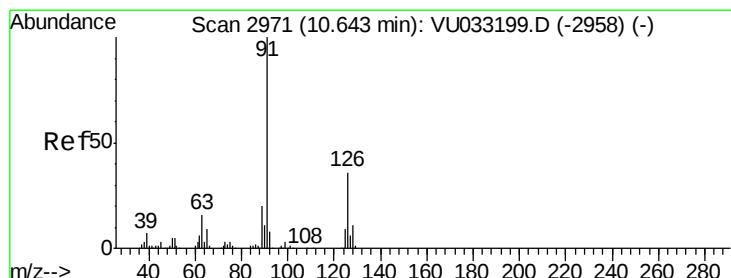
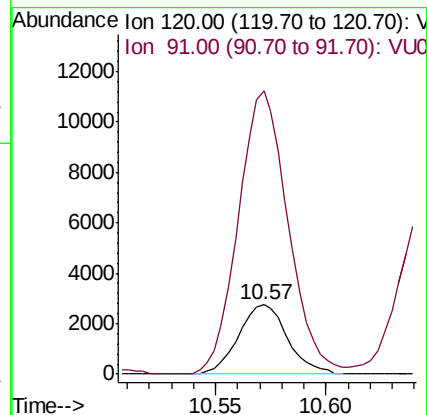
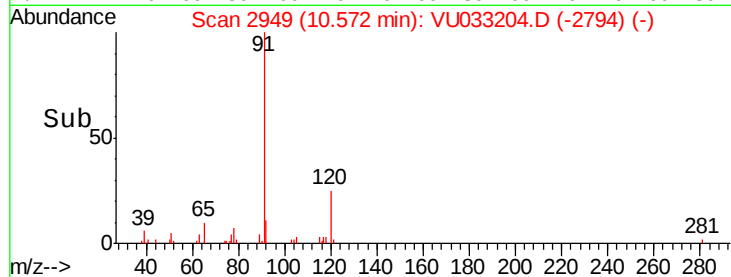
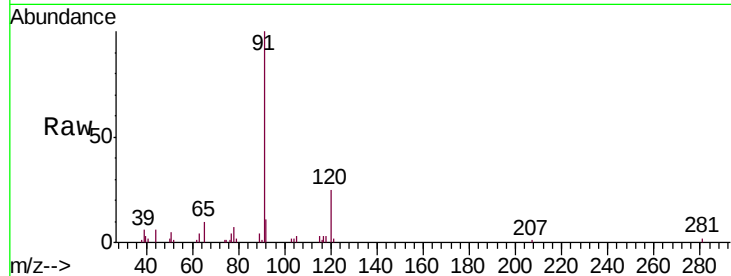
LOQ-WATER-02-QT3-2019

Tgt Ion:120 Resp: 4232

Ion Ratio Lower Upper

120 100

91 416.7 349.0 523.4



#74

2-Chlorotoluene

Concen: 0.435 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033204.D

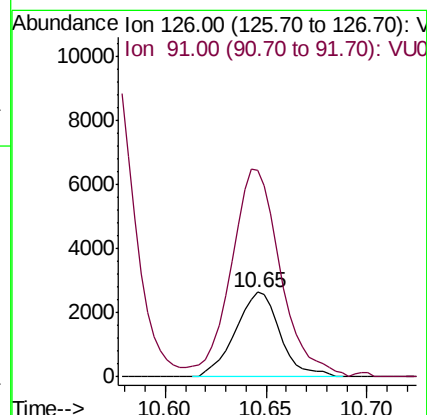
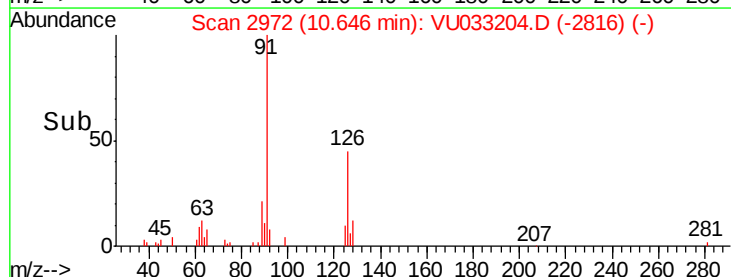
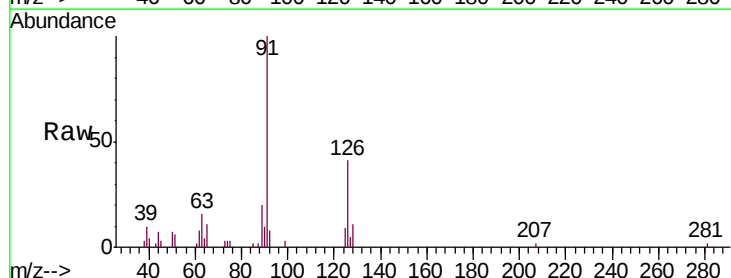
Acq: 11 Jul 2019 22:46

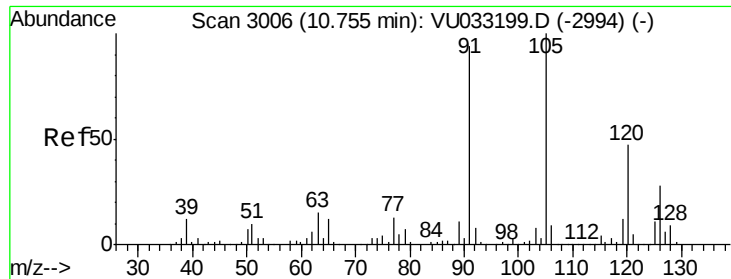
Tgt Ion:126 Resp: 4109

Ion Ratio Lower Upper

126 100

91 270.3 0.0 592.2





#75

1,3,5-Trimethylbenzene

Concen: 0.357 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

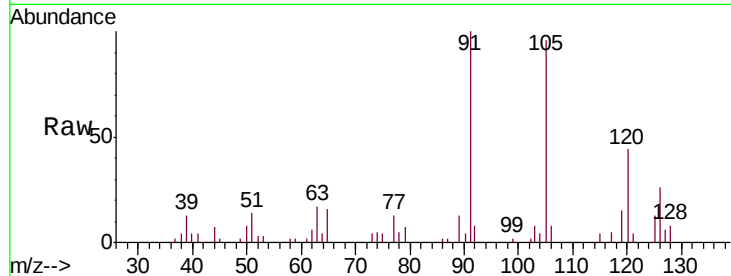
LOQ-WATER-02-QT3-2019

Tgt Ion:105 Resp: 11434

Ion Ratio Lower Upper

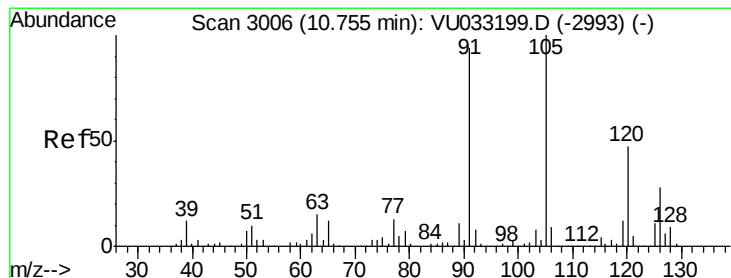
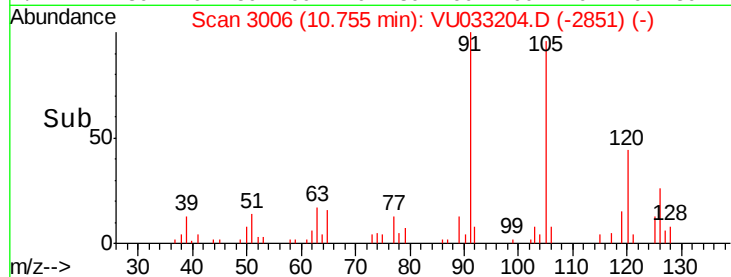
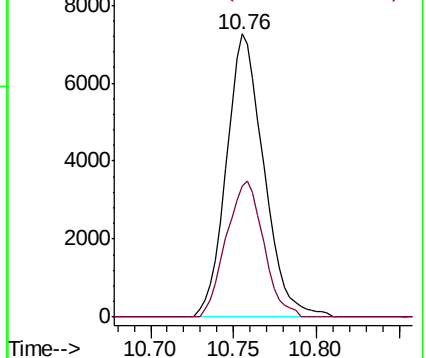
105 100

120 47.7 37.8 56.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.355 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033204.D

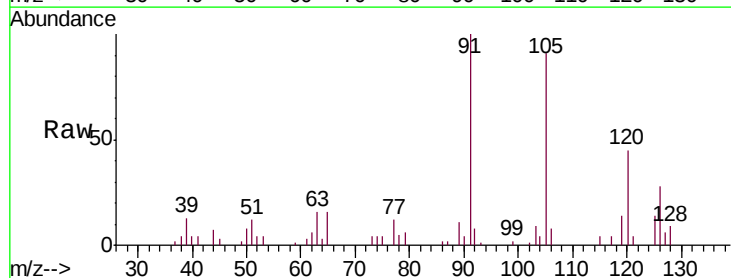
Acq: 11 Jul 2019 22:46

Tgt Ion:126 Resp: 3422

Ion Ratio Lower Upper

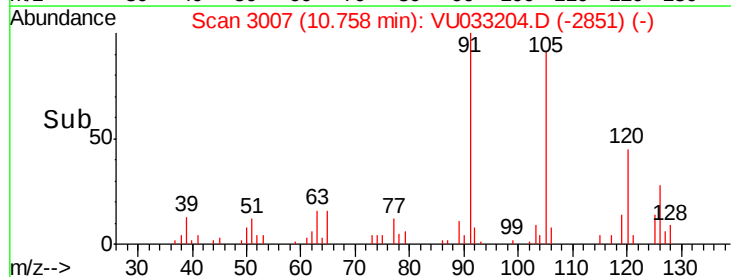
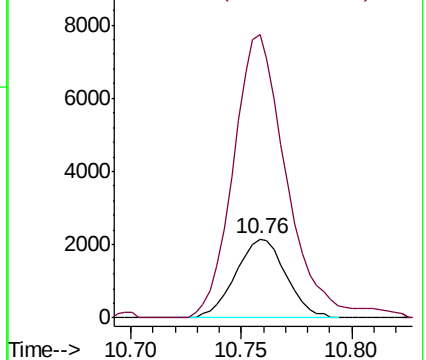
126 100

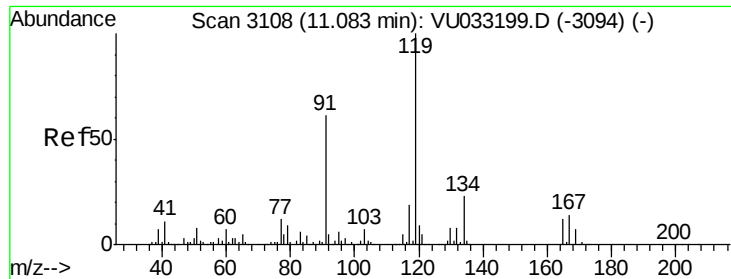
91 381.5 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

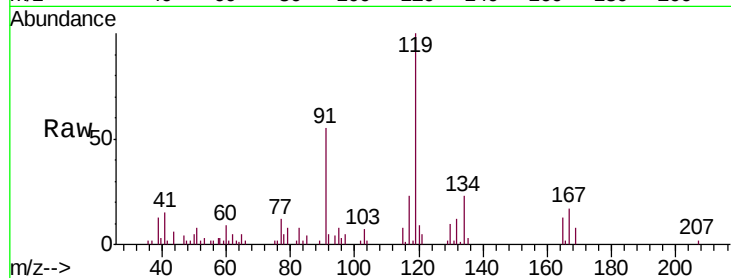




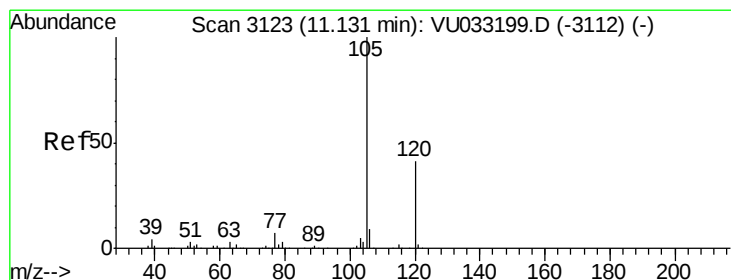
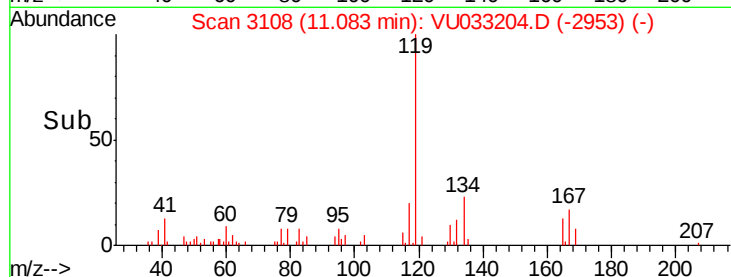
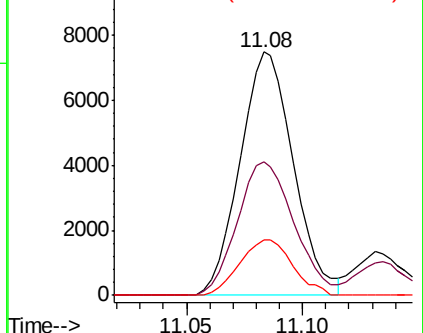
#77
 tert-Butylbenzene
 Concen: 0.388 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tgt Ion:119 Resp: 11949
 Ion Ratio Lower Upper
 119 100
 91 58.3 29.8 89.5
 134 22.5 18.2 27.4

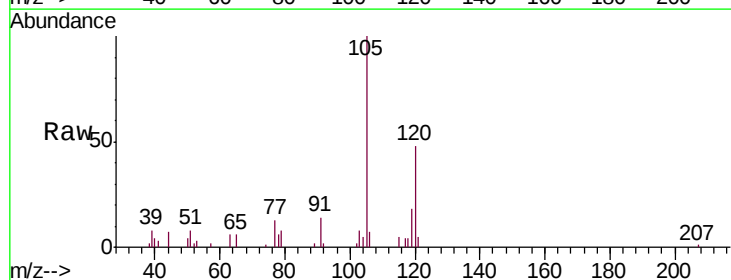


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

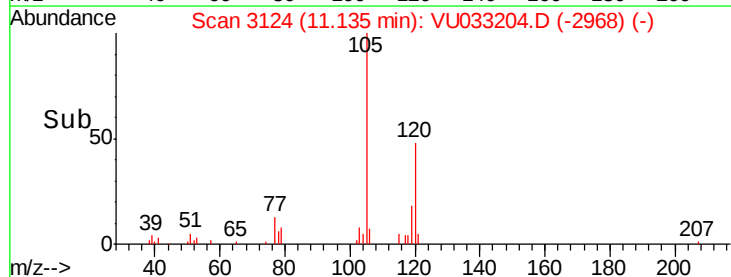
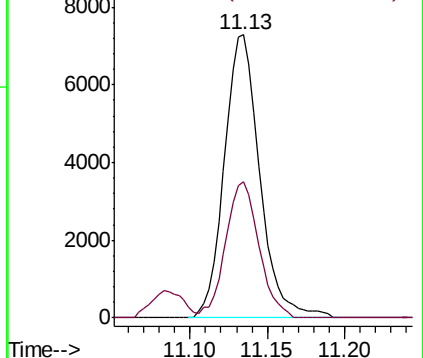


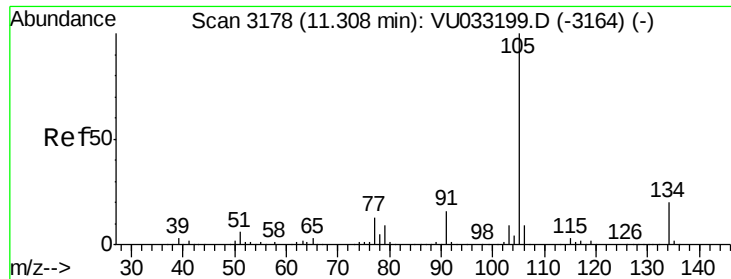
#78
 1,2,4-Trimethylbenzene
 Concen: 0.353 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:105 Resp: 11536
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



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

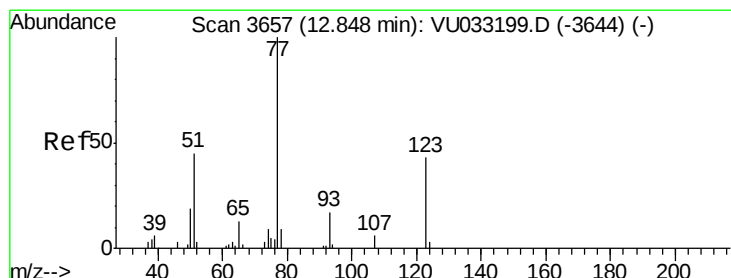
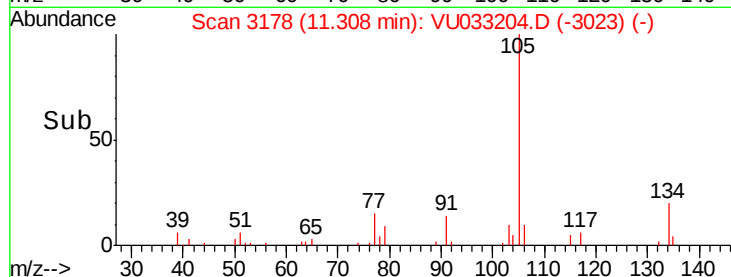
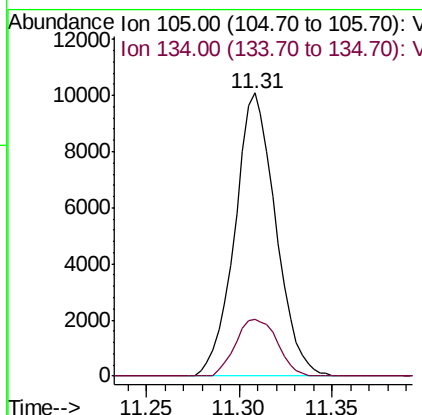
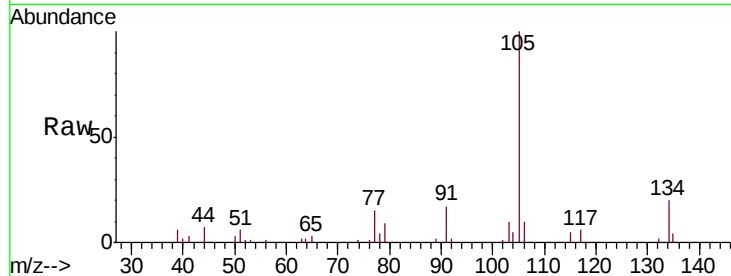




#79
 sec-Butylbenzene
 Concen: 0.365 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

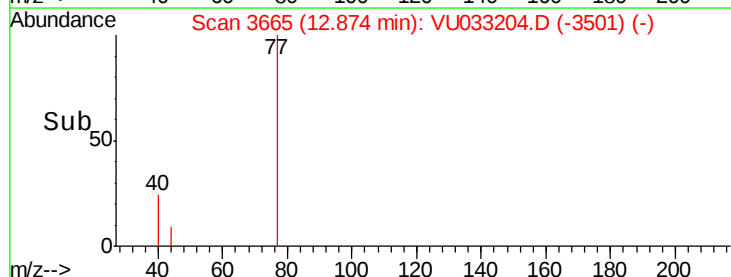
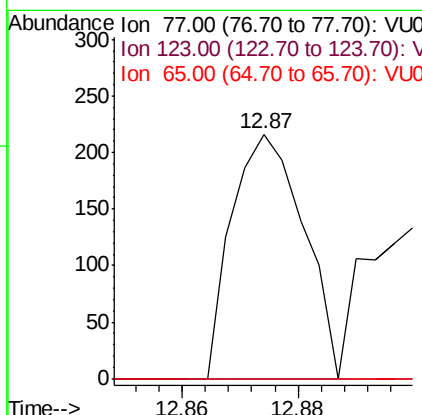
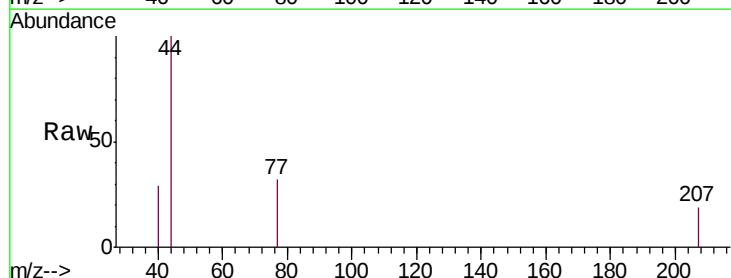
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

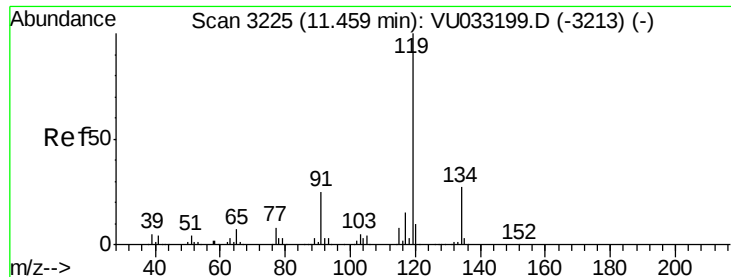
Tgt Ion: 105 Resp: 15420
 Ion Ratio Lower Upper
 105 100
 134 20.6 15.8 23.8



#80
 Nitrobenzene
 Concen: 3.678 ug/l
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.03 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 77 Resp: 185
 Ion Ratio Lower Upper
 77 100
 123 0.0 20.9 74.1#
 65 0.0 10.7 13.7#

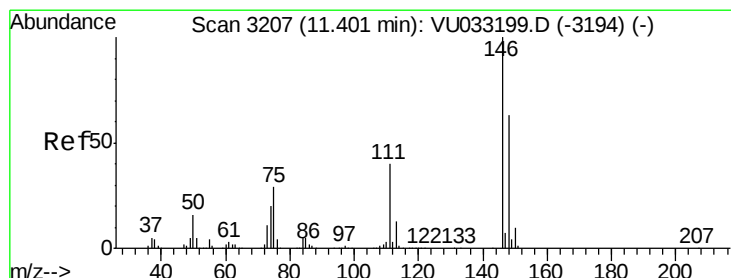
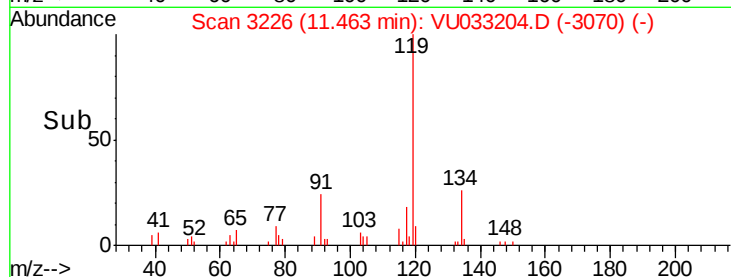
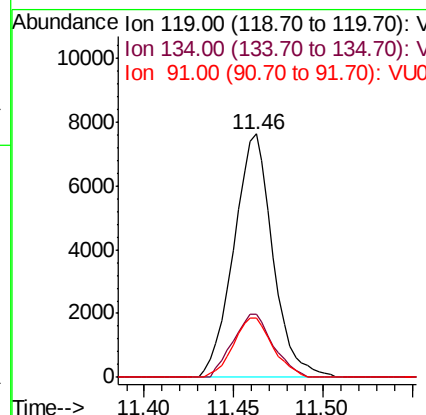
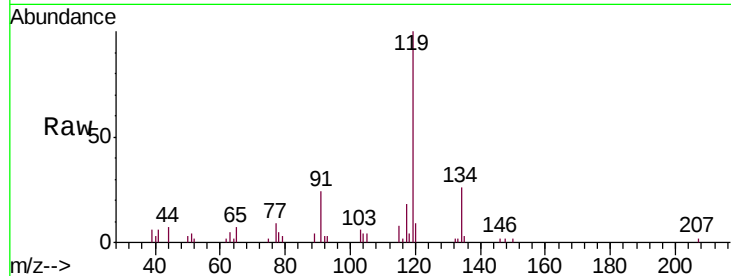




#81
 p-Isopropyltoluene
 Concen: 0.338 ug/l
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

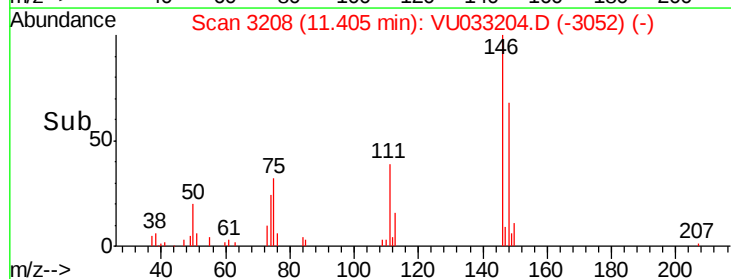
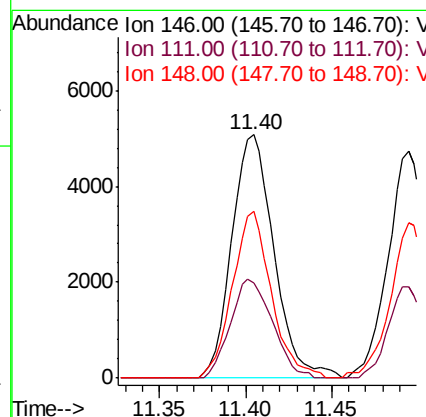
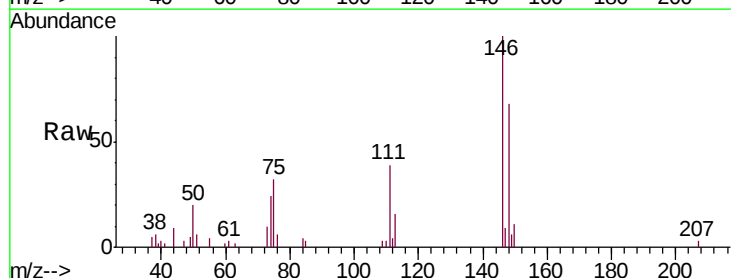
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

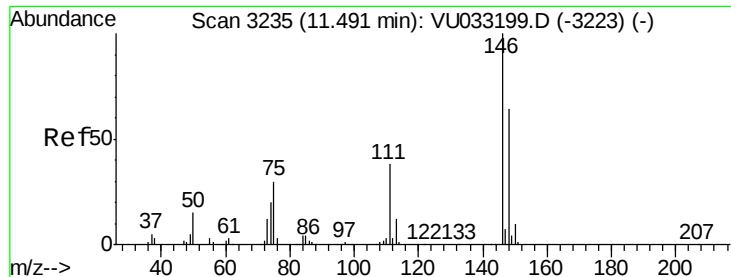
Tgt Ion:119 Resp: 11634
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.1 31.7
 91 24.5 19.7 29.5



#82
 1,3-Dichlorobenzene
 Concen: 0.436 ug/l
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:146 Resp: 8627
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.2 48.4
 148 63.5 50.8 76.2

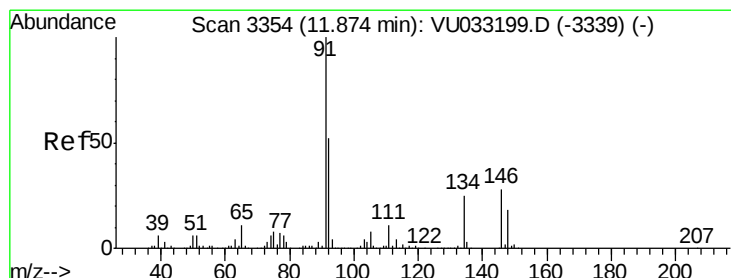
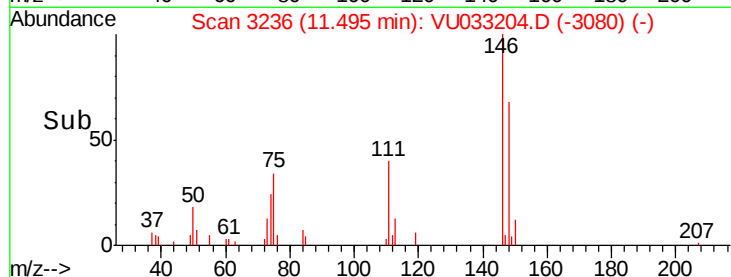
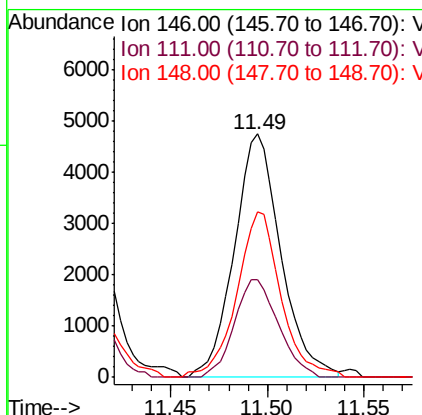
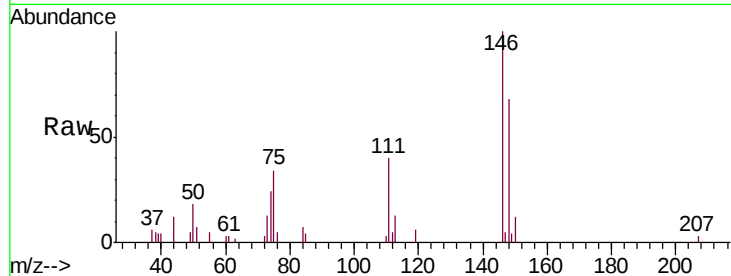




#83
 1,4-Dichlorobenzene
 Concen: 0.399 ug/l
 RT: 11.49 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

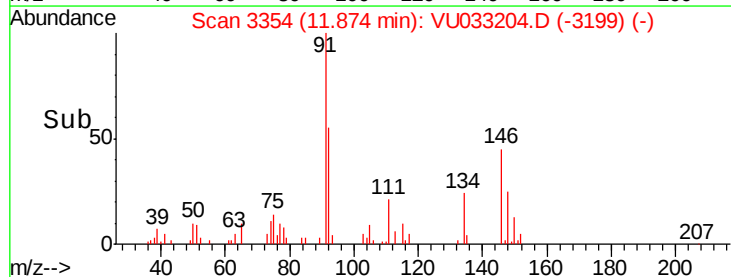
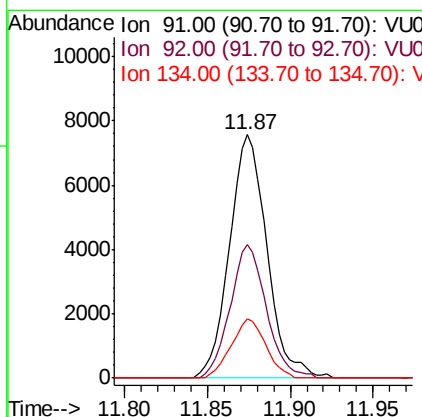
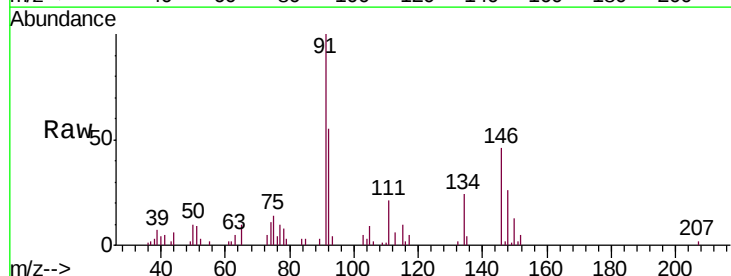
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

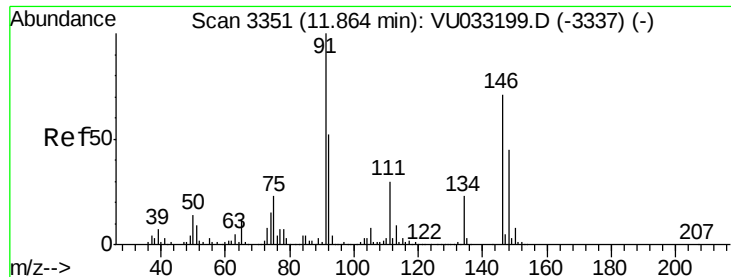
Tgt Ion: 146 Resp: 7951
 Ion Ratio Lower Upper
 146 100
 111 37.9 30.8 46.2
 148 64.5 50.6 76.0



#84
 n-Butylbenzene
 Concen: 0.347 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 91 Resp: 11905
 Ion Ratio Lower Upper
 91 100
 92 52.8 41.5 62.3
 134 22.5 19.6 29.4





#85

1,2-Dichlorobenzene

Concen: 0.439 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

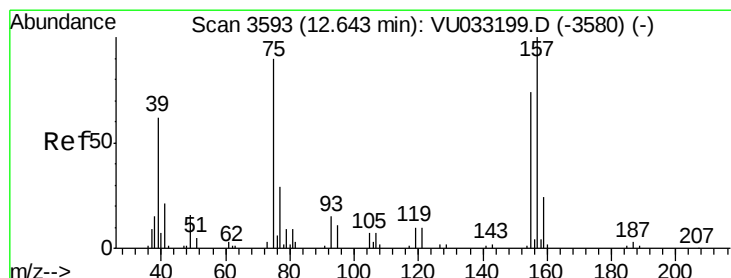
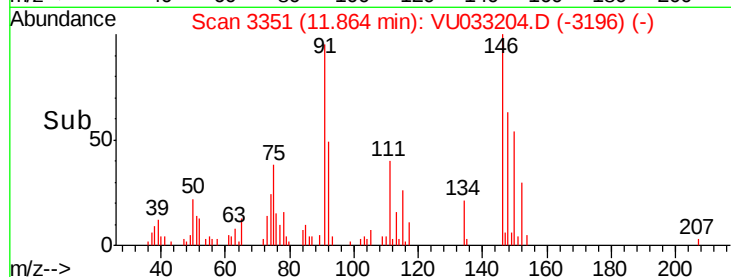
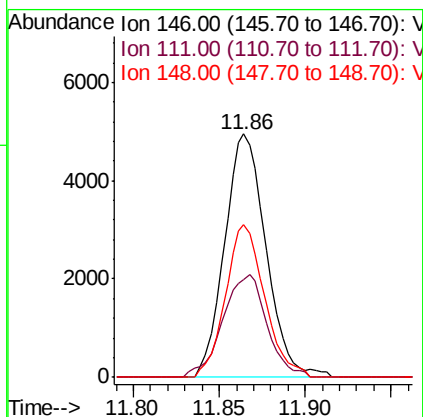
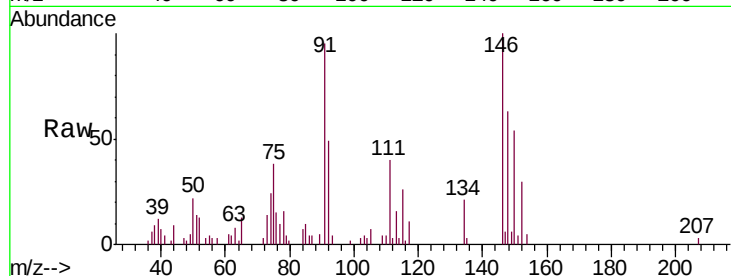
Tgt Ion:146 Resp: 8306

Ion Ratio Lower Upper

146 100

111 45.0 21.3 63.7

148 59.3 32.0 96.0



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.427 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

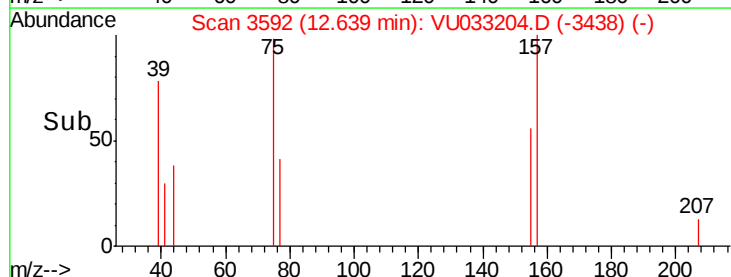
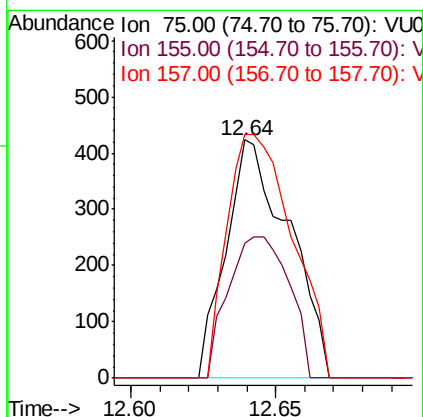
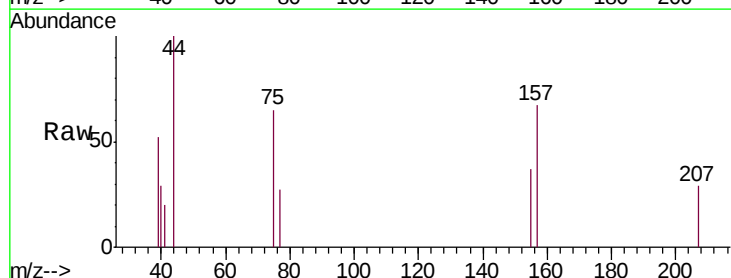
Tgt Ion: 75 Resp: 639

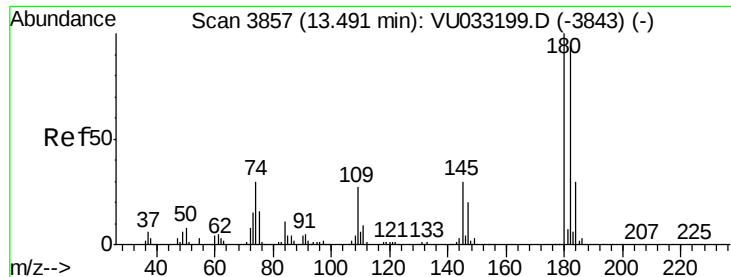
Ion Ratio Lower Upper

75 100

155 57.1 60.6 90.8#

157 105.9 82.5 123.7

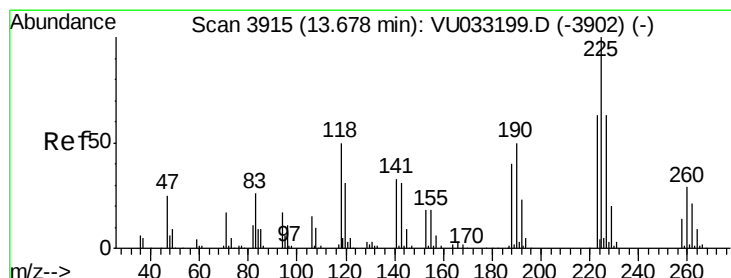
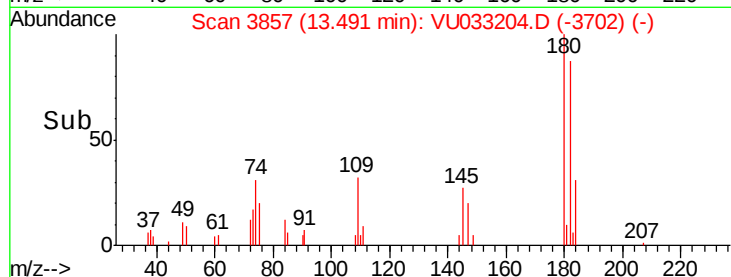
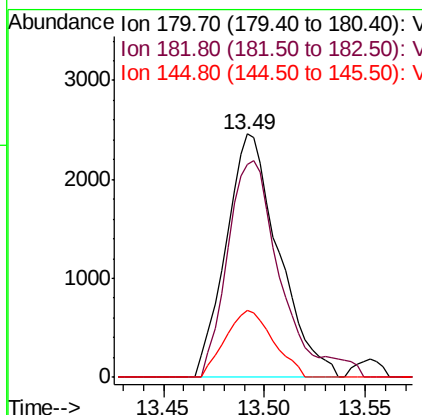
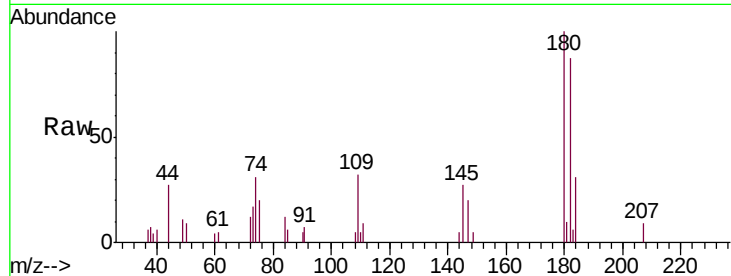




#87
 1,2,4-Trichlorobenzene
 Concen: 0.384 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

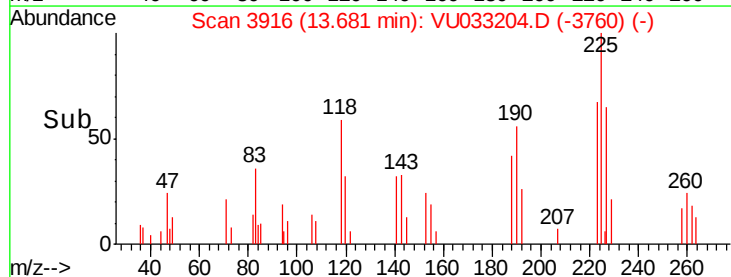
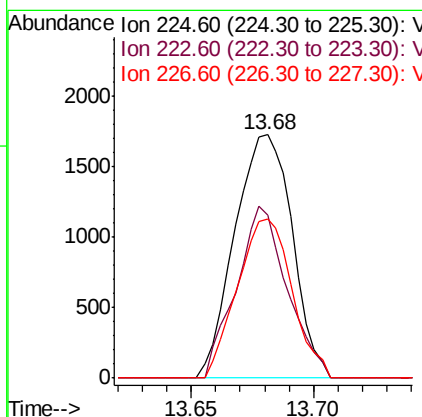
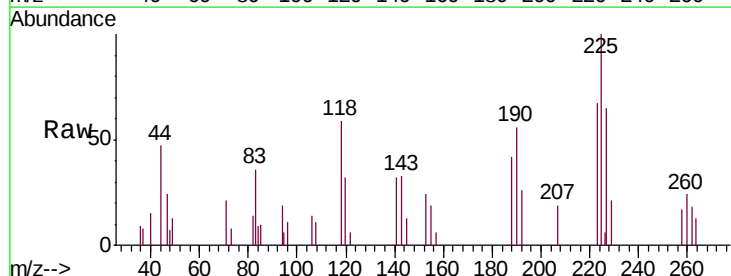
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

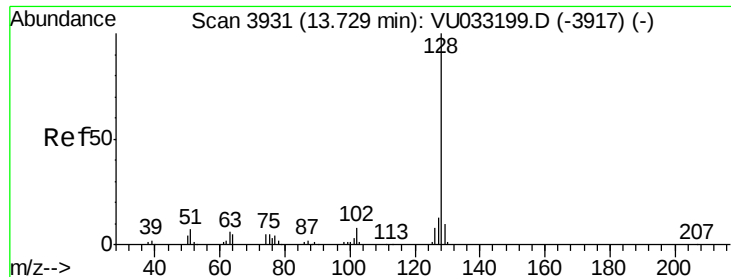
Tgt Ion:180 Resp: 4477
 Ion Ratio Lower Upper
 180 100
 182 89.7 75.4 113.2
 145 25.0 24.5 36.7



#88
 Hexachlorobutadiene
 Concen: 0.419 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:225 Resp: 2822
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.1 76.7
 227 62.2 51.2 76.8





#89

Naphthalene

Concen: 0.801 ug/l

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

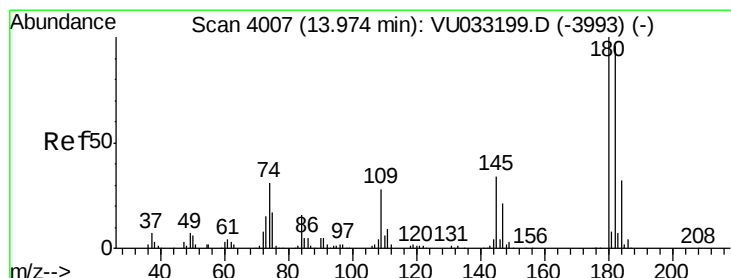
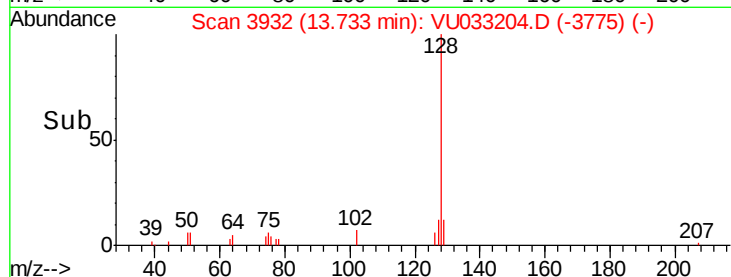
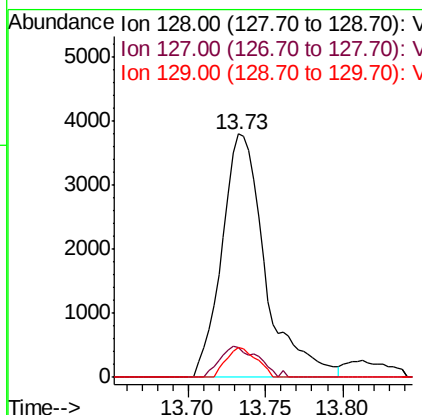
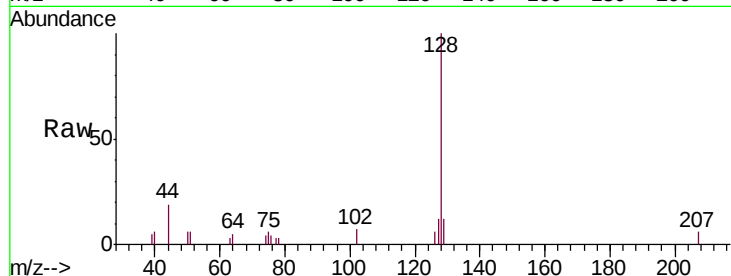
Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tgt Ion:	128	Resp:	7375
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.4	15.6
129	8.5	8.6	12.8#



#90

1,2,3-Trichlorobenzene

Concen: 0.366 ug/l

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	180	Resp:	4077
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	32.5	26.6	40.0

