

Data File : VU033203.D
Acq On : 11 Jul 2019 21:52
Operator : JC/SP
Sample : K3591-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 12 05:36:20 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	28139	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	9710	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10679	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	2972	0.270 ug/l	94
3) Chloromethane	1.32	50	3714	0.289 ug/l	99
4) Vinyl Chloride	1.40	62	3663	0.277 ug/l #	86
5) Bromomethane	1.62	94	3009	0.364 ug/l	94
6) Chloroethane	1.69	64	2410	0.297 ug/l	94
7) Trichlorofluoromethane	1.88	101	5159	0.288 ug/l	87
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2785	0.303 ug/l	98
9) 1,1-Dichloroethene	2.27	96	2986	0.322 ug/l	83
10) Iodomethane	2.40	142	2335	0.238 ug/l	95
11) Allyl Chloride	2.58	41	4761	0.307 ug/l	92
12) Acrylonitrile	2.92	53	1867	0.726 ug/l #	92
13) Acetone	2.31	43	3623	1.572 ug/l	98
14) Carbon Disulfide	2.46	76	10536	0.311 ug/l	98
15) Methylene Chloride	2.68	84	5820	0.469 ug/l	96
16) trans-1,2-Dichloroethene	2.96	96	3136	0.295 ug/l	94
17) 1,1-Dichloroethane	3.42	63	4550	0.295 ug/l	97
18) 2-Butanone	4.27	43	2287	0.993 ug/l	89
19) Cyclohexane	4.97	56	2842	0.241 ug/l	90
20) Methylcyclohexane	6.39	83	2698	0.218 ug/l #	86
21) 2,2-Dichloropropane	4.20	77	3432	0.265 ug/l #	71
22) cis-1,2-Dichloroethene	4.20	96	2566	0.291 ug/l	92
23) Diethyl Ether	2.09	59	2199	0.272 ug/l #	78
24) tert-Butyl Alcohol	2.82	59	3097	3.140 ug/l	97
25) Methyl tert-Butyl Ether	2.98	73	7470	0.276 ug/l	93
26) Bromochloromethane	4.53	128	1016	0.260 ug/l	89
27) Chloroform	4.65	83	6252	0.367 ug/l	92
28) 1,1,1-Trichloroethane	4.89	97	3870	0.287 ug/l	97
29) 1,1-Dichloropropene	5.11	75	2940	0.258 ug/l	98
30) Carbon Tetrachloride	5.11	117	3239	0.272 ug/l	98
31) Isopropyl Ether	3.56	45	5846	0.282 ug/l	99
32) Ethyl-t-butyl ether	4.04	59	5544	0.274 ug/l	97
33) Tert-Amyl methyl ether	5.57	73	4589	0.246 ug/l	99
34) Propionitrile	4.33	54	386	0.592 ug/l #	54
35) Benzene	5.37	78	9418	0.284 ug/l	95
36) 1,2-Dichloroethane	5.38	62	2552	0.238 ug/l #	84
37) Trichloroethene	6.17	130	2546	0.294 ug/l	83
38) 1,2-Dichloropropane	6.41	63	2539	0.283 ug/l	93
41) Tetrahydrofuran	4.63	42	441	0.311 ug/l #	63
42) 1-Chlorobutane	5.04	56	4127	0.267 ug/l	91
43) Dibromomethane	6.55	93	1334	0.278 ug/l #	84
44) Bromodichloromethane	6.74	83	3536	0.299 ug/l #	98

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LOD-MDL-WATER-01-QT3-2019

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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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.45	43	6310	1.168	ug/l	93
46) t-1,4-Dichloro-2-butene	10.48	75	1576	0.685	ug/l #	63
47) Methyl methacrylate	6.62	69	1662	0.428	ug/l	65
48) Ethyl methacrylate	8.01	69	1718	0.235	ug/l	89
49) Toluene	7.62	92	4421	0.226	ug/l	88
50) t-1,3-Dichloropropene	7.87	75	2465	0.235	ug/l	96
51) cis-1,3-Dichloropropene	7.25	75	2892	0.239	ug/l	94
52) 1,1,2-Trichloroethane	8.05	97	1612	0.242	ug/l #	87
53) 1,3-Dichloropropane	8.23	76	2886	0.256	ug/l	98
54) 2-Hexanone	8.36	43	4500	1.192	ug/l	89
55) Dibromochloromethane	8.46	129	2022	0.262	ug/l	96
56) 1,2-Dibromoethane	8.57	107	1535	0.249	ug/l	99
58) Tetrachloroethene	8.21	164	2247	0.284	ug/l	96
59) Chlorobenzene	9.11	112	5763	0.262	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	2130	0.263	ug/l	99
61) Pentachloroethane	11.08	117	1761	0.276	ug/l	87
62) Hexachloroethane	12.13	117	1535	0.248	ug/l	96
63) Ethyl Benzene	9.23	91	8703	0.242	ug/l	95
64) m/p-Xylenes	9.36	106	6501	0.463	ug/l	92
65) o-Xylene	9.76	106	2891	0.212	ug/l	96
67) Bromoform	9.95	173	1083	0.247	ug/l #	80
69) Isopropylbenzene	10.15	105	7976	0.225	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	2318	0.256	ug/l #	98
71) 1,2,3-Trichloropropane	10.48	75	1576	0.232	ug/l	96
72) Bromobenzene	10.44	156	2572	0.279	ug/l	86
74) 2-Chlorotoluene	10.65	126	1910	0.210	ug/l	76
75) 1,3,5-Trimethylbenzene	10.76	105	6736	0.219	ug/l	100
76) 4-Chlorotoluene	10.76	126	2118	0.229	ug/l	99
77) tert-Butylbenzene	11.09	119	6702	0.226	ug/l	94
78) 1,2,4-Trimethylbenzene	11.13	105	6946	0.221	ug/l	91
79) sec-Butylbenzene	11.31	105	8528	0.210	ug/l	98
80) Nitrobenzene	12.86	77	21	3.265	ug/l #	37
82) 1,3-Dichlorobenzene	11.40	146	4801	0.253	ug/l	97
83) 1,4-Dichlorobenzene	11.49	146	4973	0.260	ug/l	97
84) n-Butylbenzene	11.87	91	7398	0.225	ug/l	94
85) 1,2-Dichlorobenzene	11.86	146	4695	0.258	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.64	75	450	0.313	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.49	180	2712	0.242	ug/l	99
88) Hexachlorobutadiene	13.68	225	1930	0.298	ug/l	95
89) Naphthalene	13.74	128	4571	0.707	ug/l #	96
90) 1,2,3-Trichlorobenzene	13.98	180	2570	0.240	ug/l	96

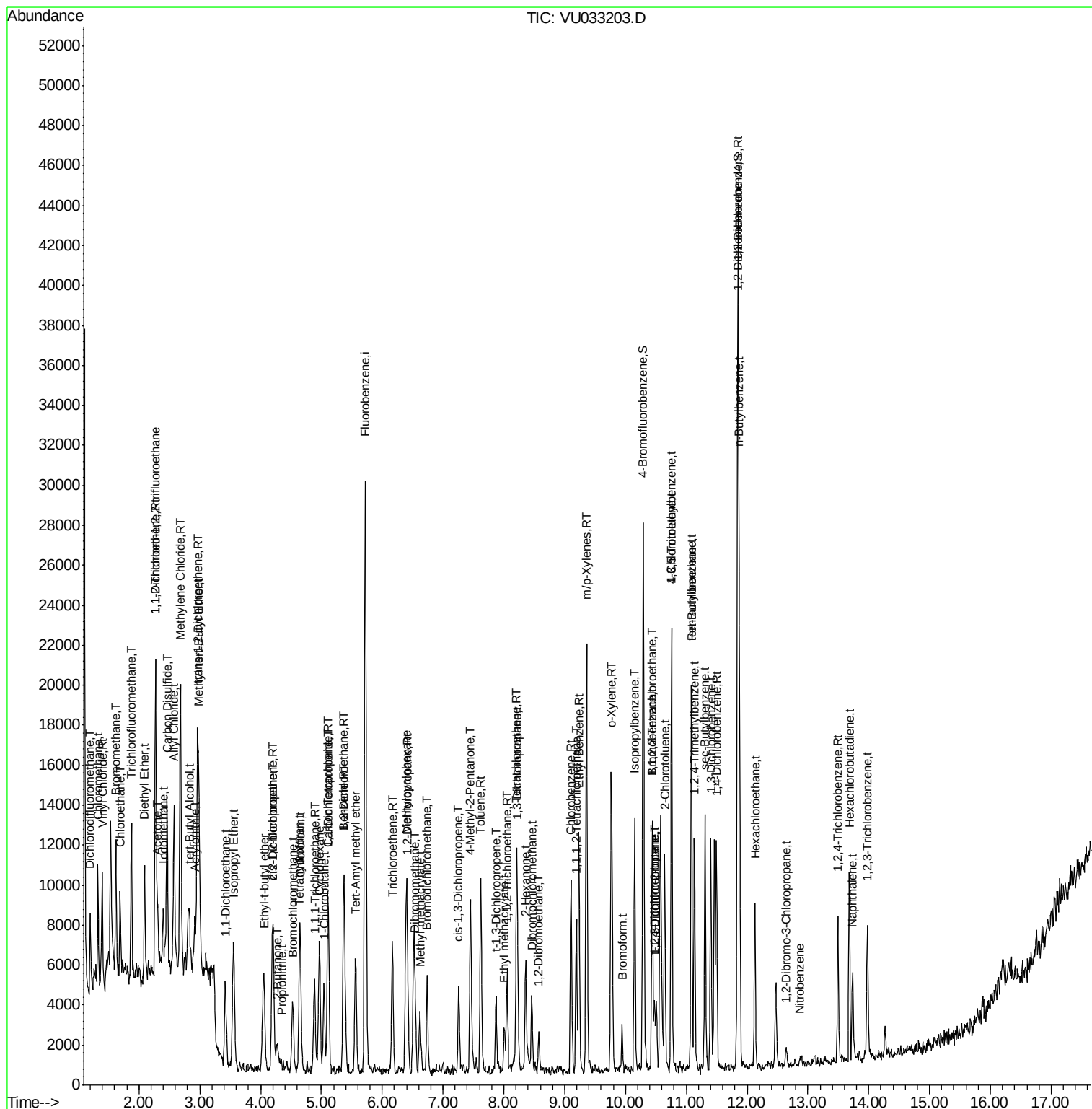
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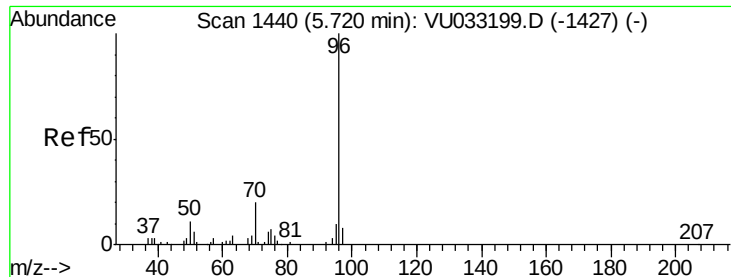
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 96 Resp: 28139

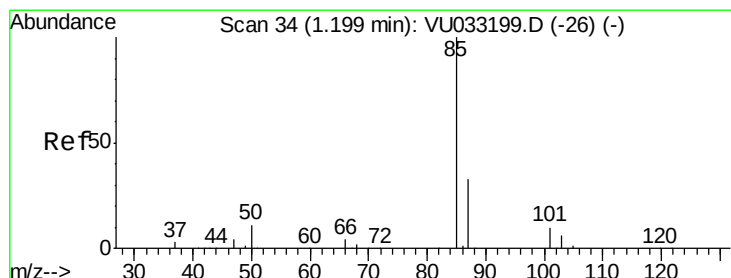
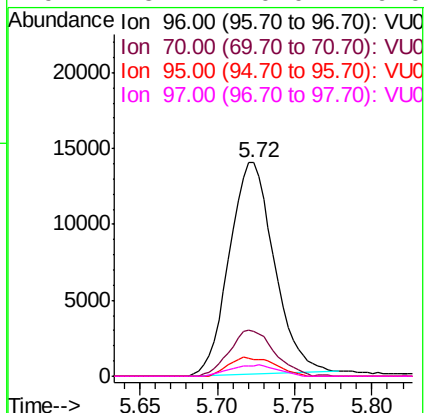
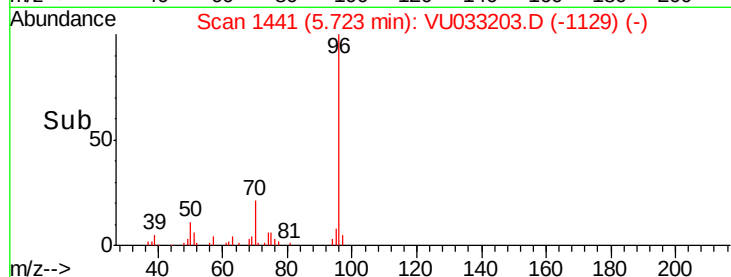
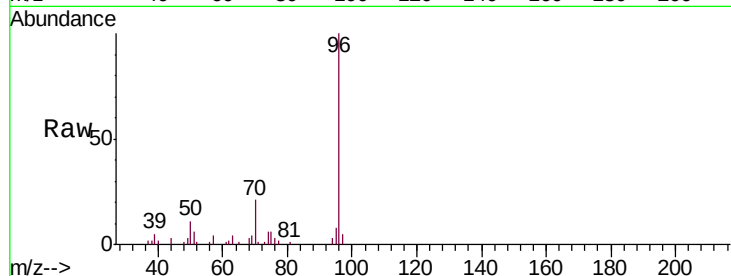
Ion Ratio Lower Upper

96 100

70 21.7 16.2 24.4

95 9.4 7.8 11.8

97 5.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033203.D

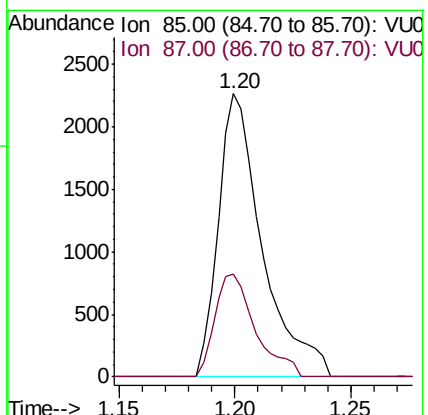
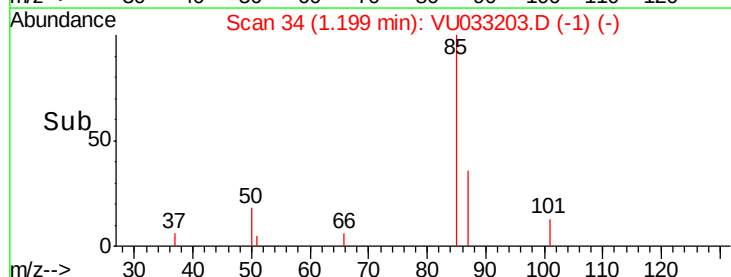
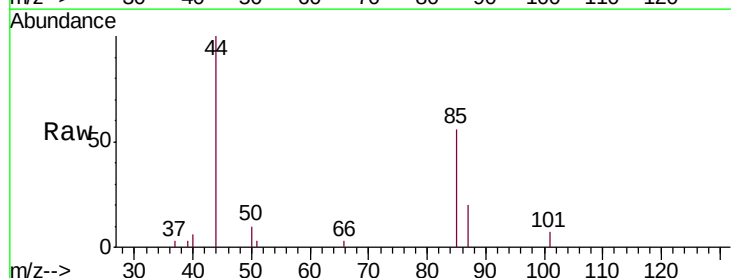
Acq: 11 Jul 2019 21:52

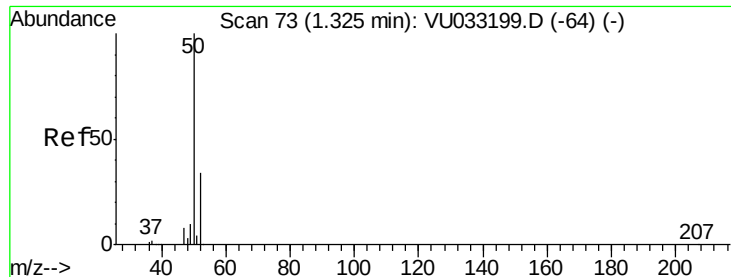
Tgt Ion: 85 Resp: 2972

Ion Ratio Lower Upper

85 100

87 36.3 16.4 49.1





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

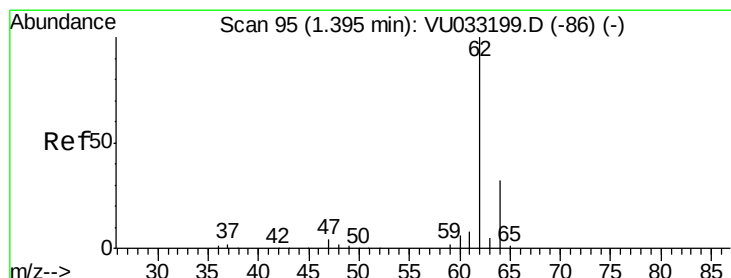
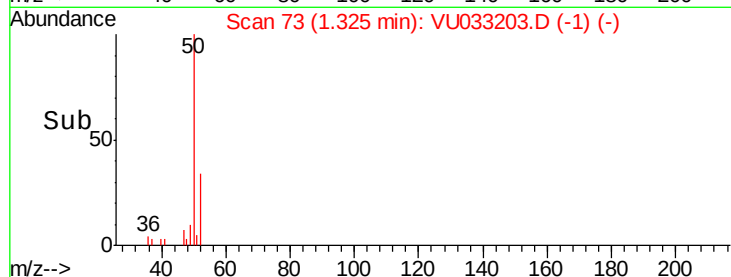
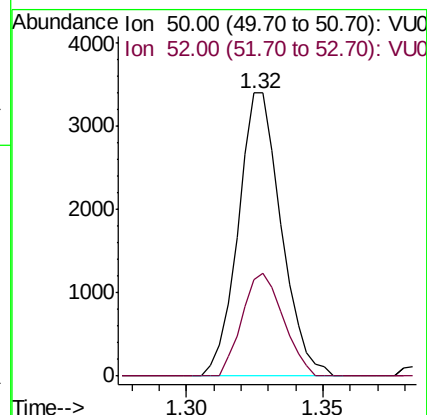
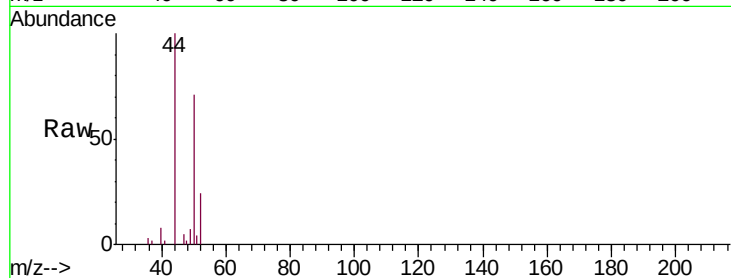
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 50 Resp: 3714

Ion Ratio Lower Upper

50 100

52 34.1 27.0 40.4



#4

Vinyl Chloride

Concen: 0.277 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033203.D

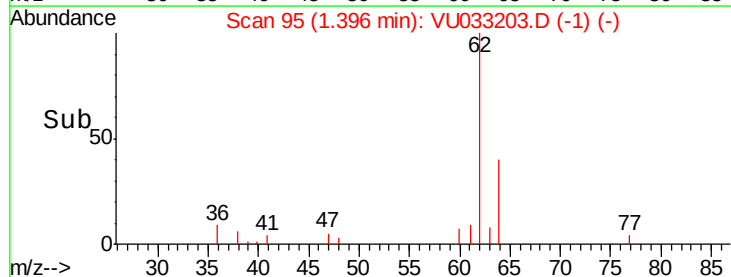
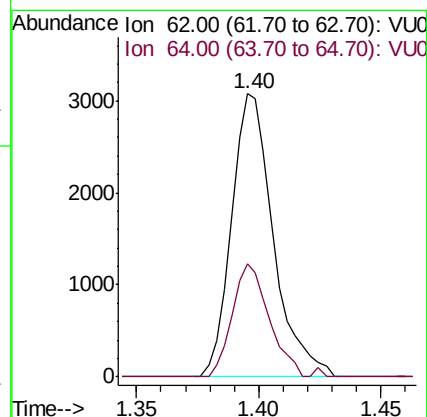
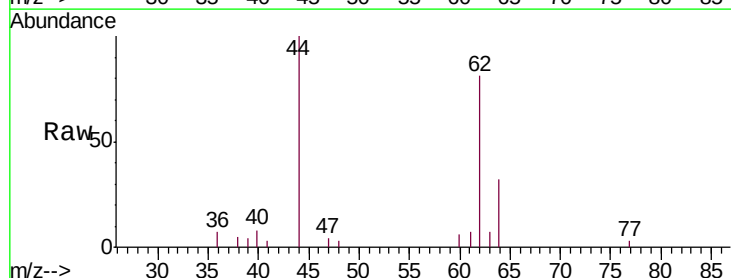
Acq: 11 Jul 2019 21:52

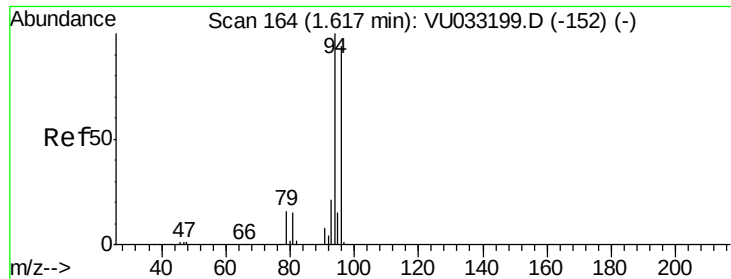
Tgt Ion: 62 Resp: 3663

Ion Ratio Lower Upper

62 100

64 40.1 25.7 38.5#





#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

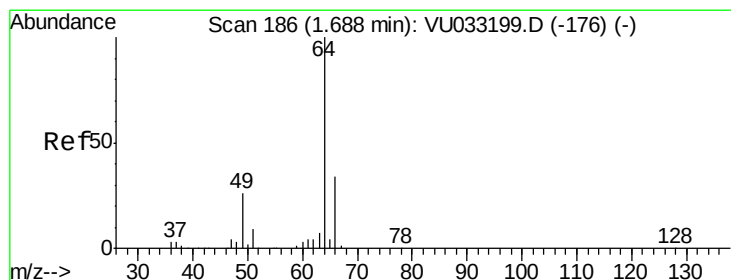
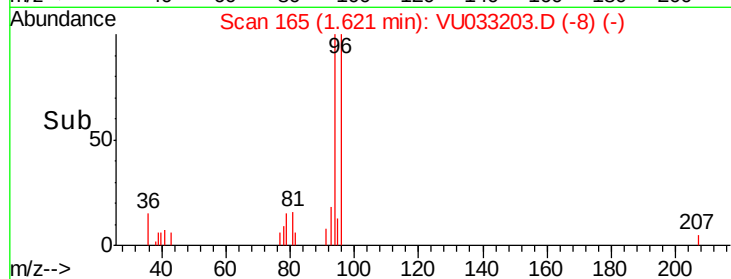
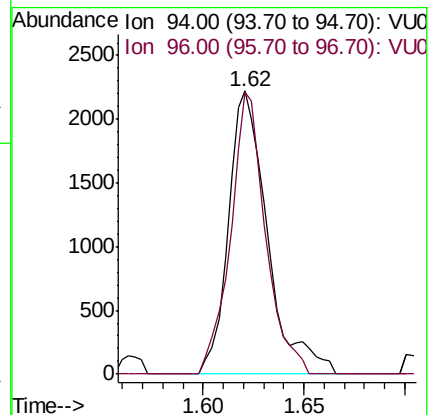
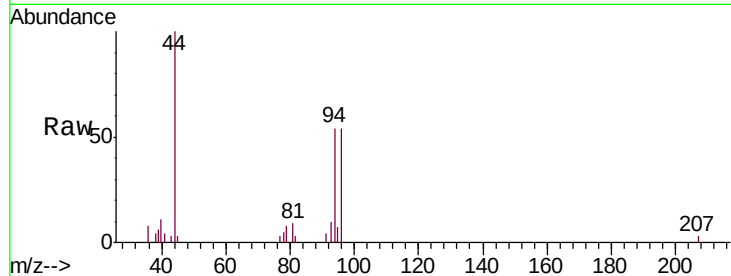
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 94 Resp: 3009

Ion Ratio Lower Upper

94 100

96 99.7 74.8 112.2



#6

Chloroethane

Concen: 0.297 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033203.D

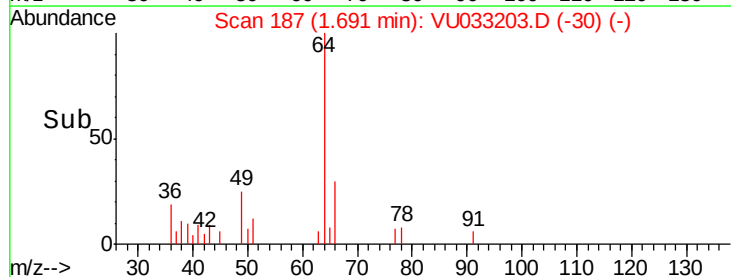
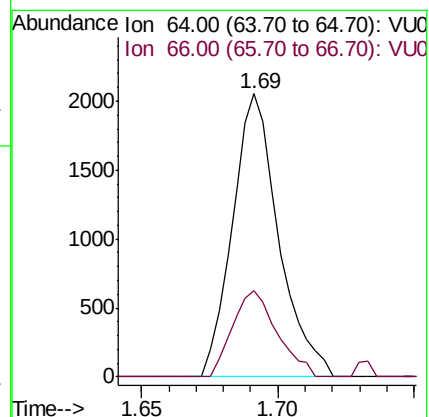
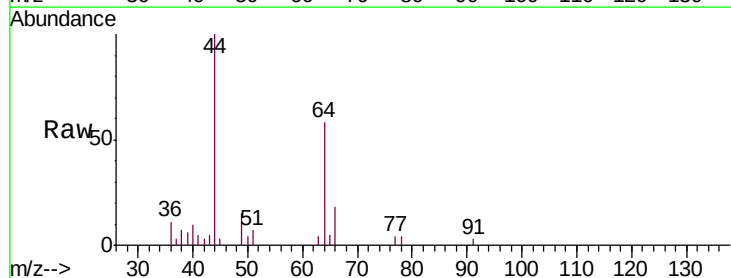
Acq: 11 Jul 2019 21:52

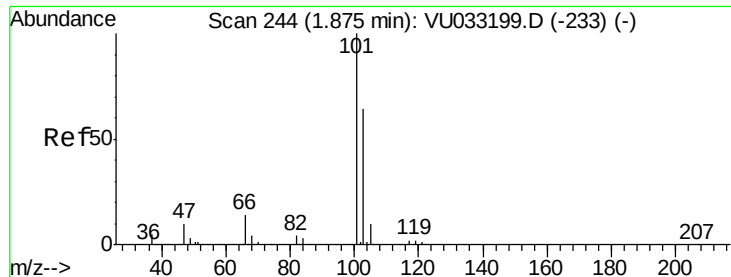
Tgt Ion: 64 Resp: 2410

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.4



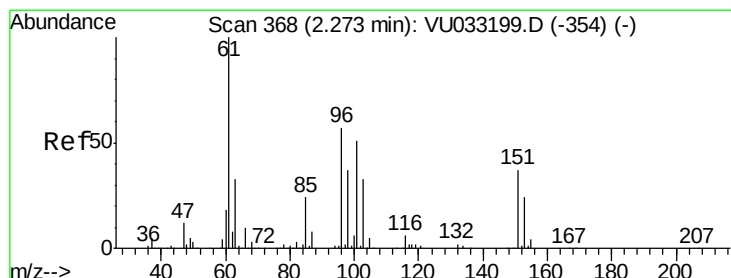
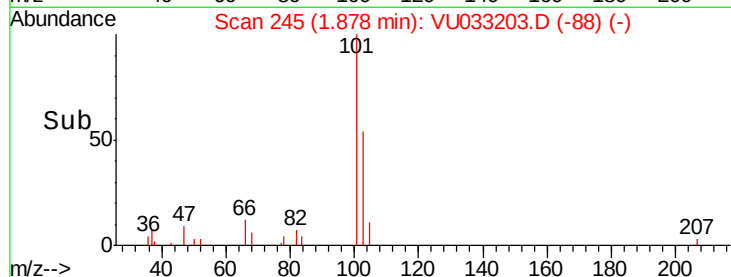
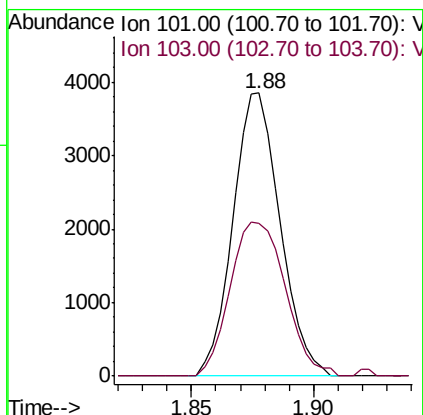
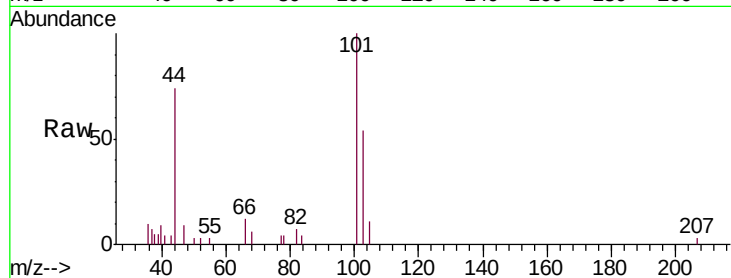


#7

Trichlorofluoromethane
 Concen: 0.288 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

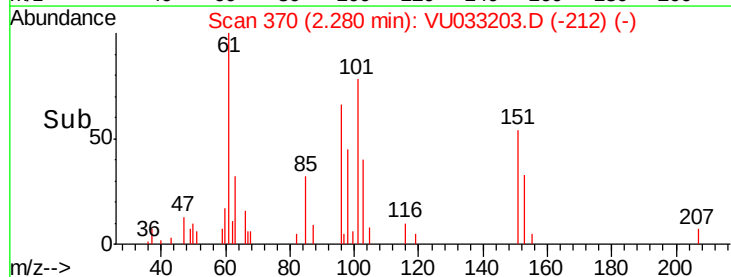
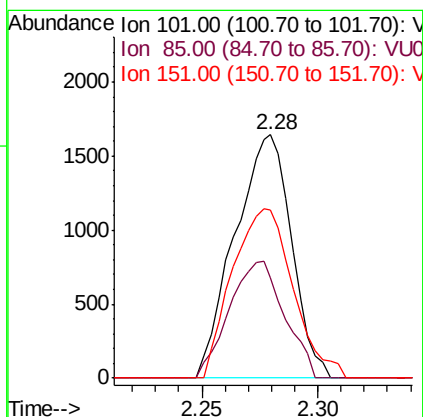
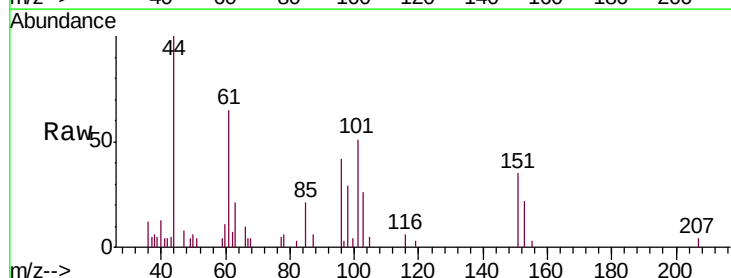
Tgt Ion:101 Resp: 5159
 Ion Ratio Lower Upper
 101 100
 103 54.0 51.0 76.6

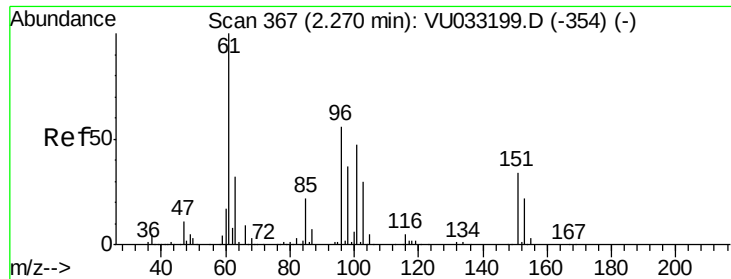


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.303 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion:101 Resp: 2785
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.7 56.5
 151 74.9 58.2 87.2





#9

1,1-Dichloroethene

Concen: 0.322 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

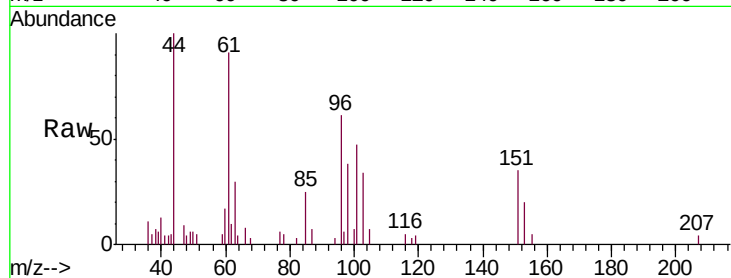
Tgt Ion: 96 Resp: 2986

Ion Ratio Lower Upper

96 100

61 147.6 0.0 533.7

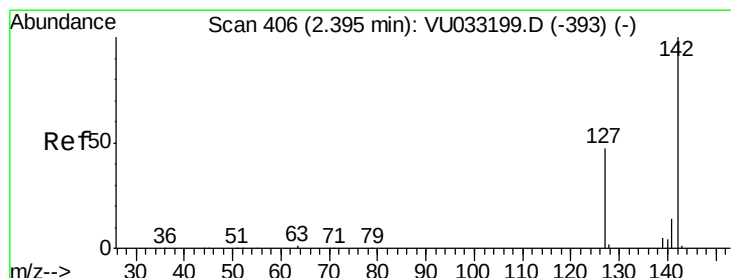
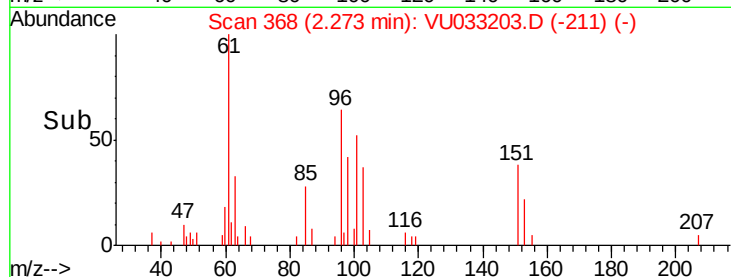
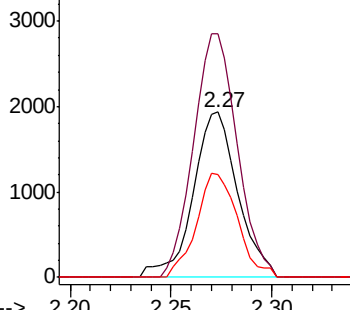
98 62.1 0.0 129.8



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: 0.238 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU033203.D

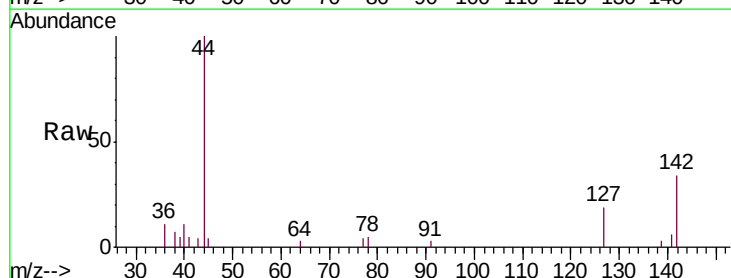
Acq: 11 Jul 2019 21:52

Tgt Ion: 142 Resp: 2335

Ion Ratio Lower Upper

142 100

127 49.5 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) (-)

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

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

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

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

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

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

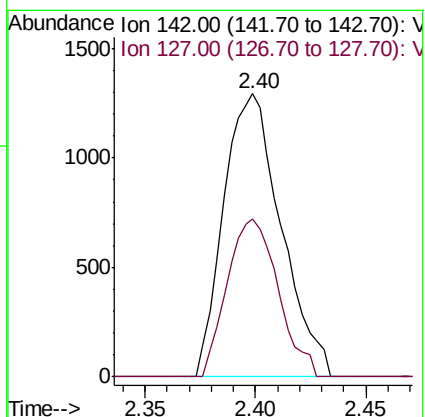
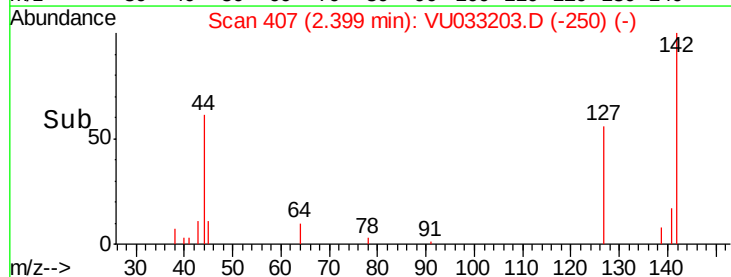
Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)

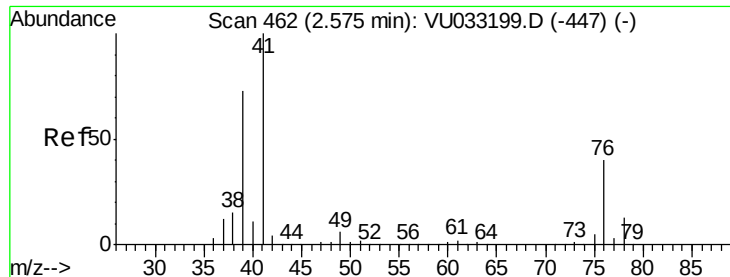
Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)

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

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

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

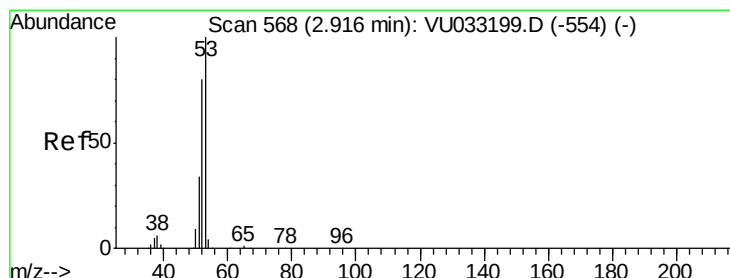
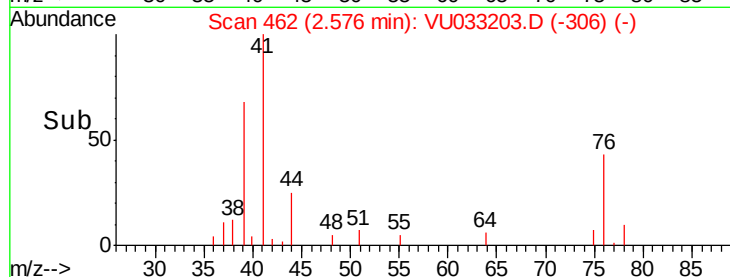
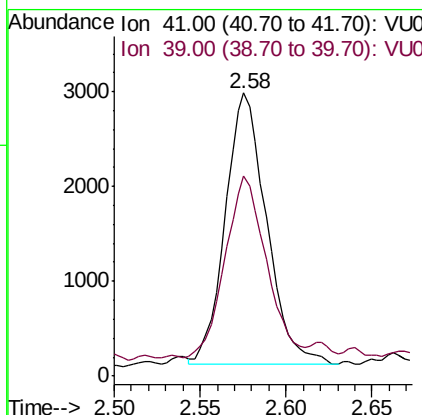
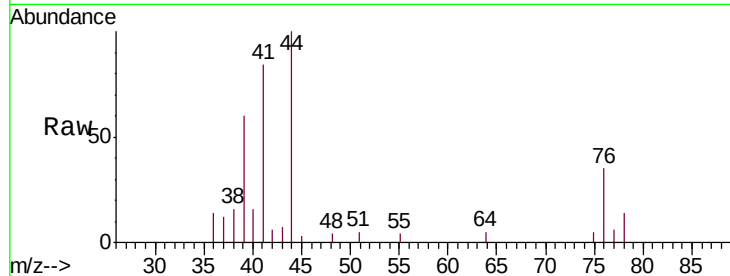




#11
 Allyl Chloride
 Concen: 0.307 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

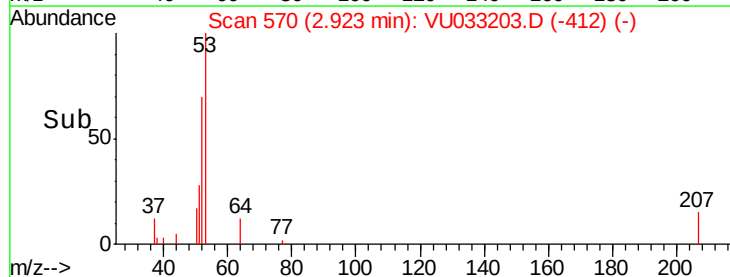
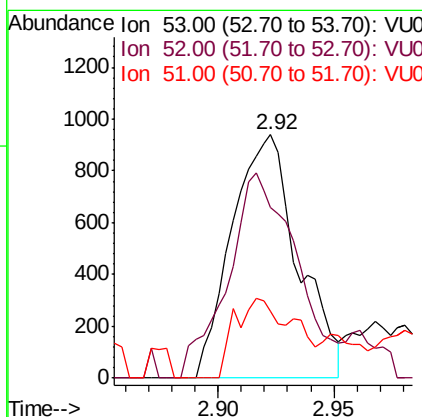
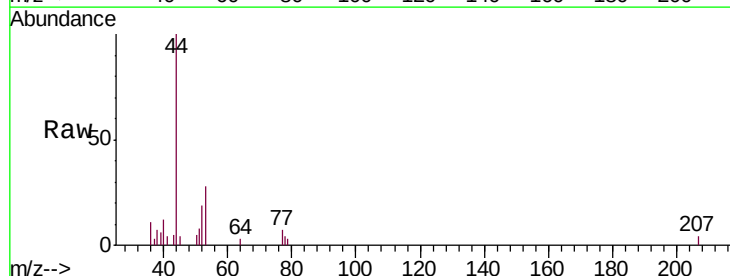
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

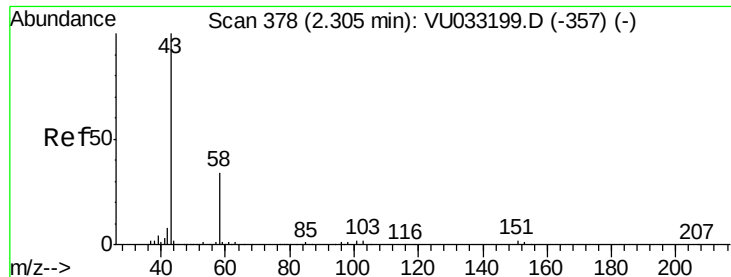
Tgt Ion: 41 Resp: 4761
 Ion Ratio Lower Upper
 41 100
 39 66.8 58.7 88.1



#12
 Acrylonitrile
 Concen: 0.726 ug/l
 RT: 2.92 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion: 53 Resp: 1867
 Ion Ratio Lower Upper
 53 100
 52 87.0 68.3 102.5
 51 22.0 28.7 43.1#





#13

Acetone

Concen: 1.572 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

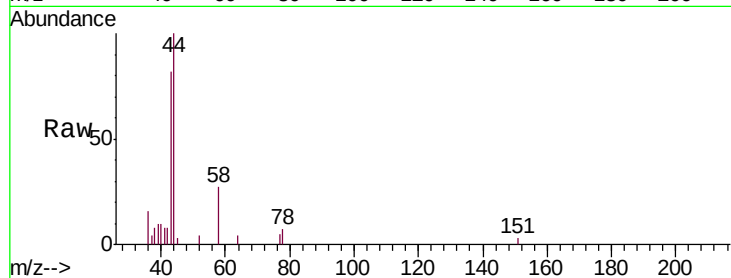
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 43 Resp: 3623

Ion Ratio Lower Upper

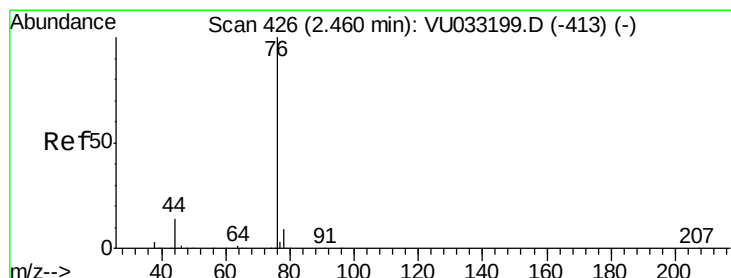
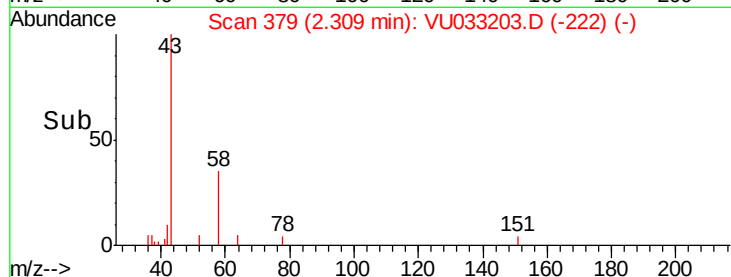
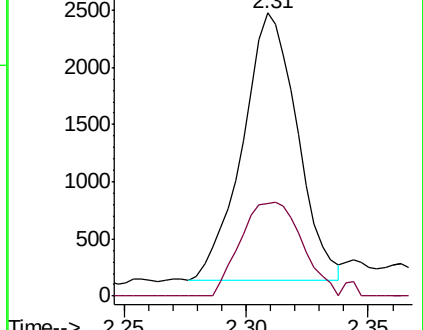
43 100

58 34.8 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) (-)



#14

Carbon Disulfide

Concen: 0.311 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033203.D

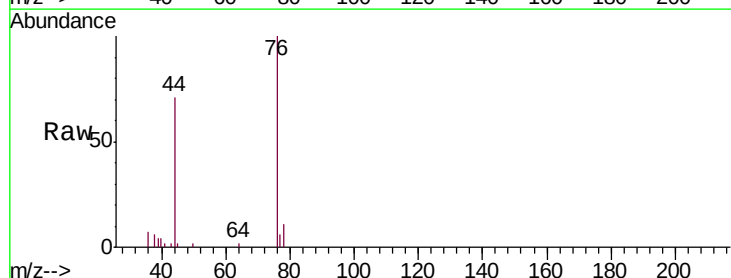
Acq: 11 Jul 2019 21:52

Tgt Ion: 76 Resp: 10536

Ion Ratio Lower Upper

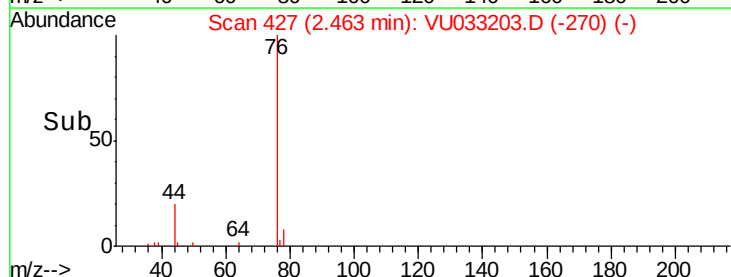
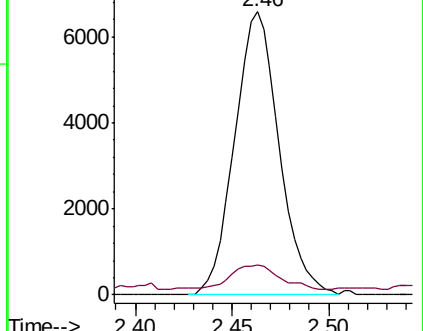
76 100

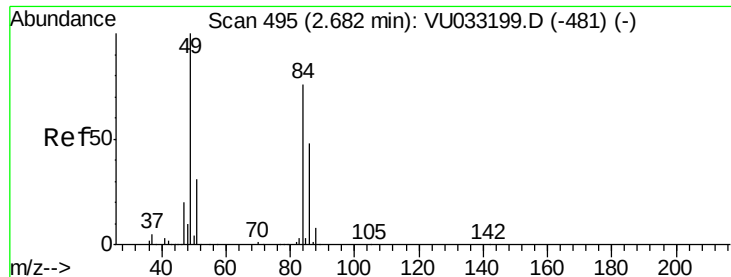
78 8.5 7.4 11.0



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

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

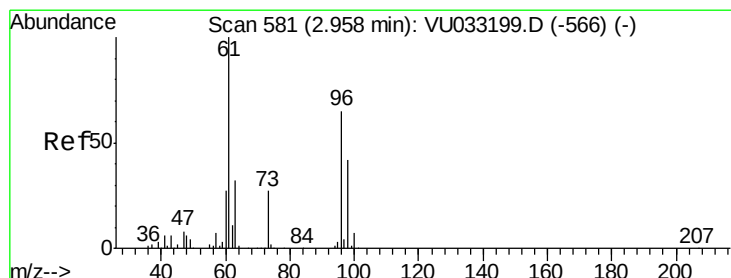
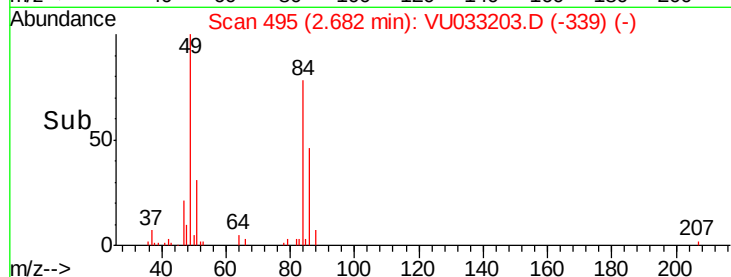
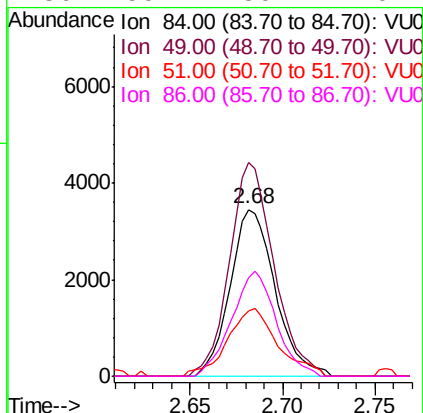
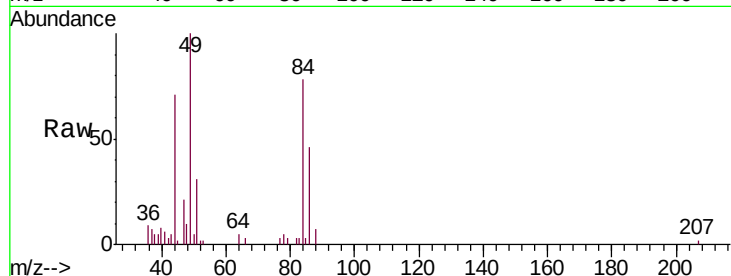




#15
Methylene Chloride
Concen: 0.469 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

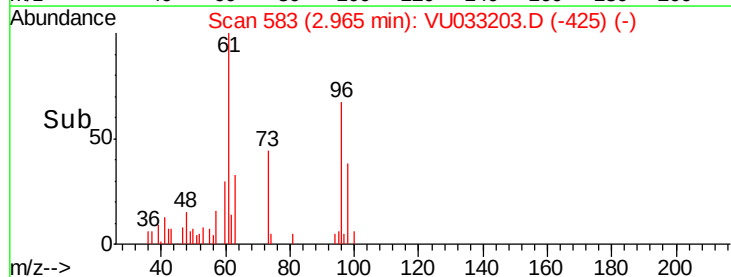
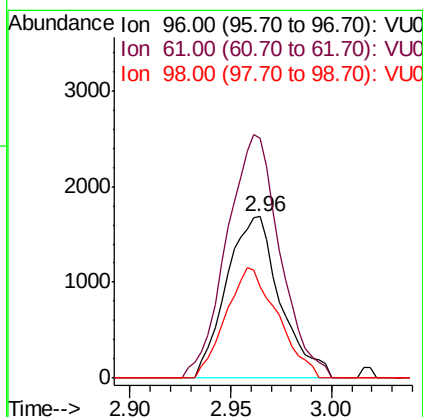
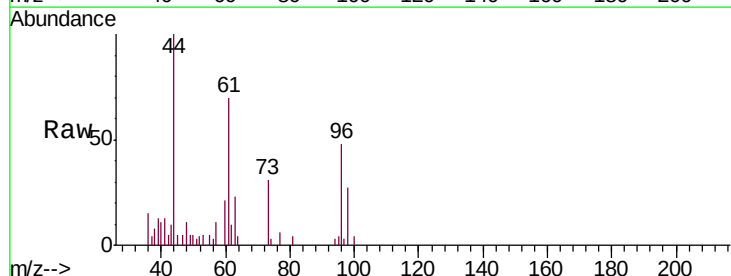
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

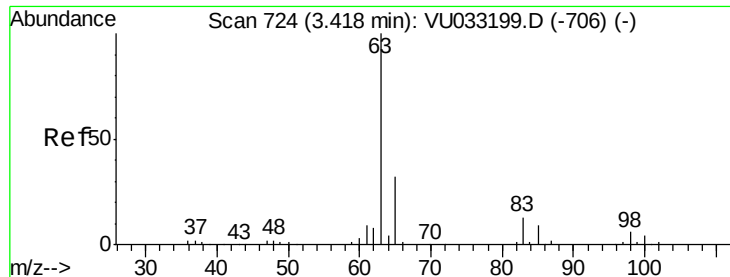
Tgt Ion:	84	Resp:	5820
Ion	Ratio	Lower	Upper
84	100		
49	128.2	105.8	158.8
51	39.2	0.0	82.0
86	59.1	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 0.295 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion:	96	Resp:	3136
Ion	Ratio	Lower	Upper
96	100		
61	148.4	122.6	184.0
98	56.8	52.0	78.0

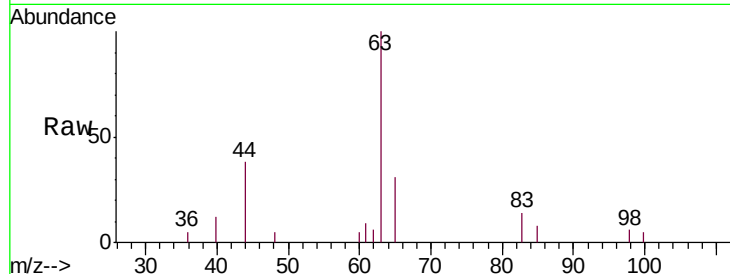




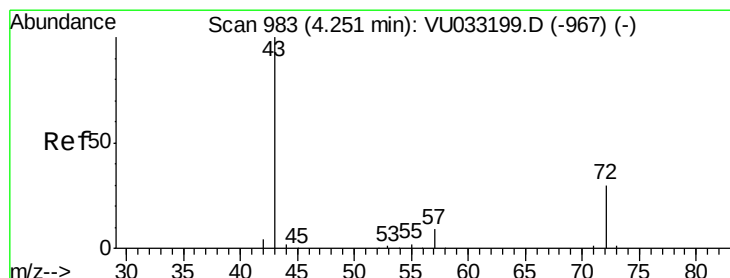
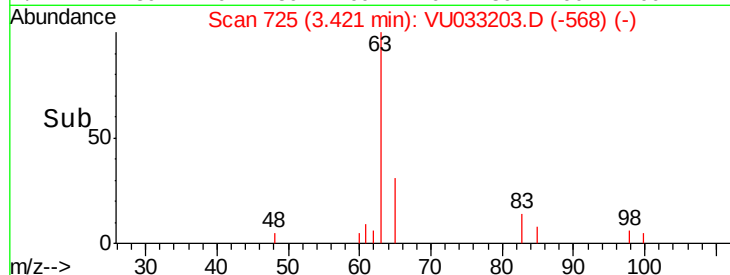
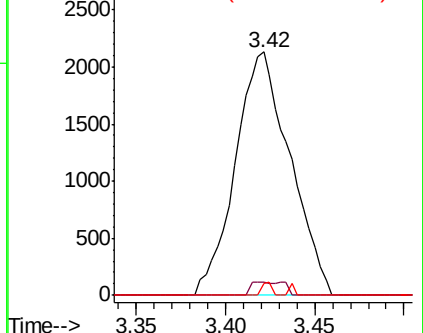
#17
 1,1-Dichloroethane
 Concen: 0.295 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tgt Ion:	63	Resp:	4550
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.3	9.8
100	5.0	1.8	5.4

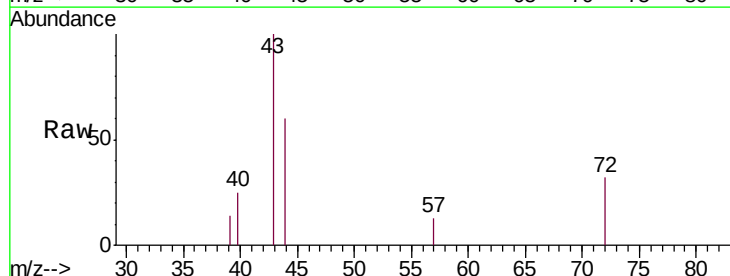


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

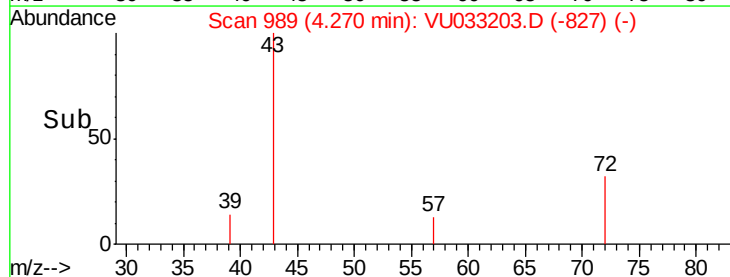
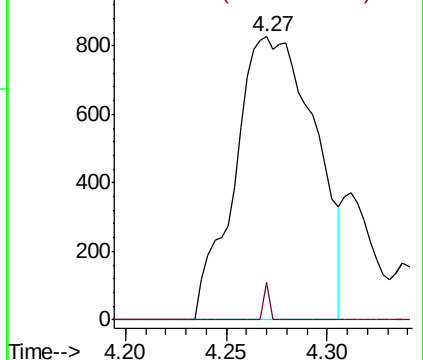


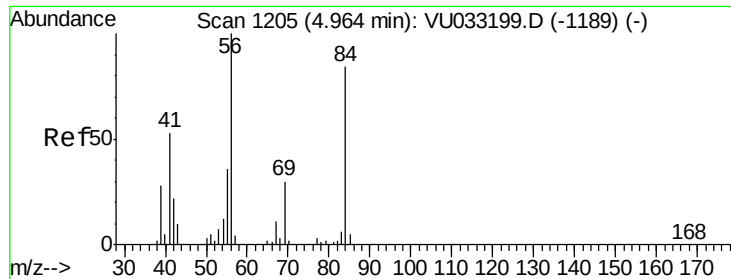
#18
 2-Butanone
 Concen: 0.993 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion:	43	Resp:	2287
Ion	Ratio	Lower	Upper
43	100		
57	13.3	0.0	18.4



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

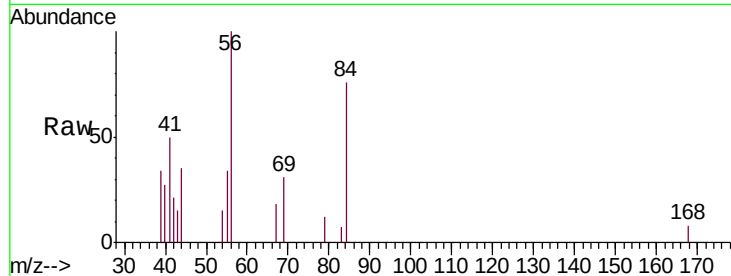




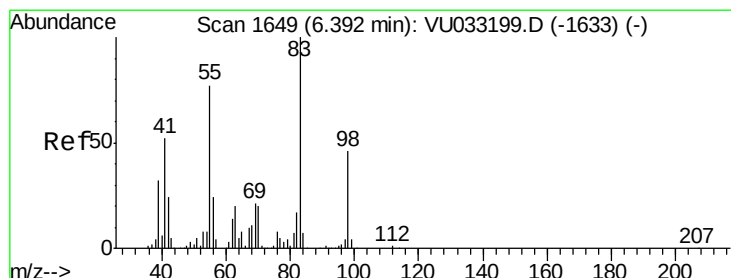
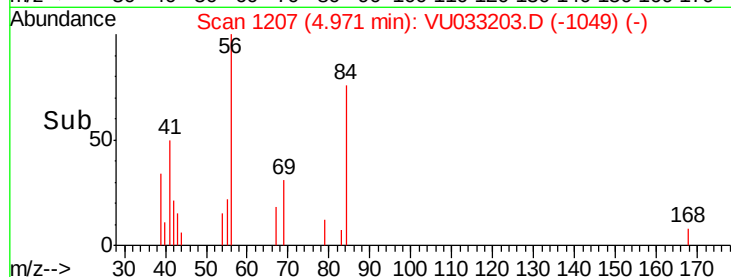
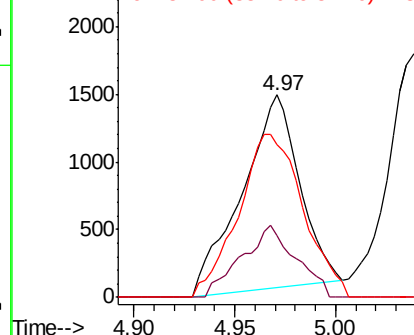
#19
Cyclohexane
Concen: 0.241 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 56 Resp: 2842
Ion Ratio Lower Upper
56 100
69 34.9 24.6 37.0
84 94.5 67.5 101.3

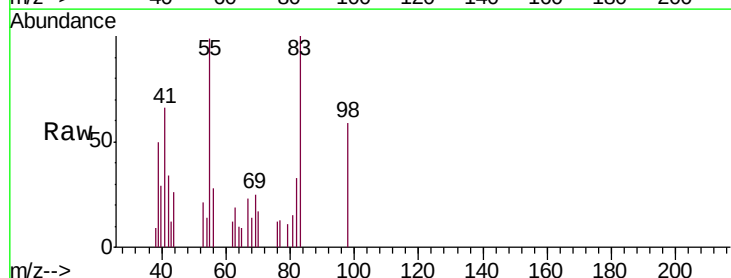


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

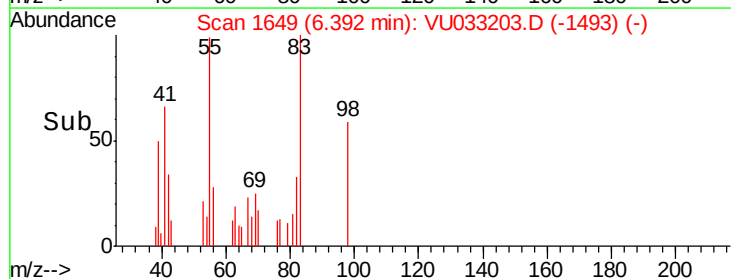
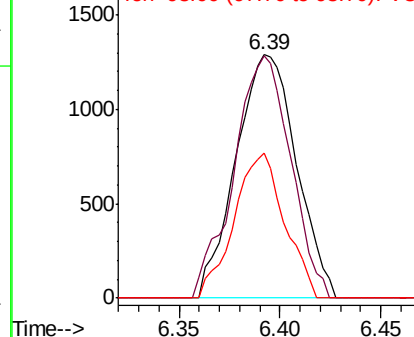


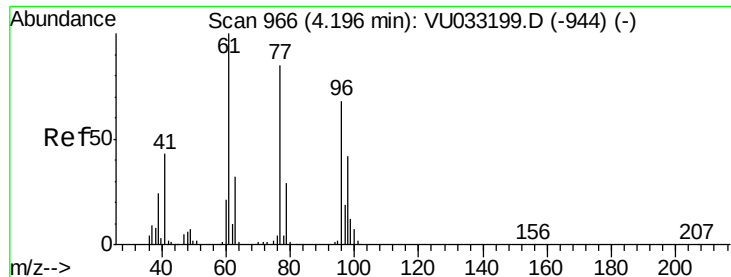
#20
Methylcyclohexane
Concen: 0.218 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 83 Resp: 2698
Ion Ratio Lower Upper
83 100
55 93.2 62.0 93.0#
98 49.6 36.3 54.5



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





#21

2,2-Dichloropropane

Concen: 0.265 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

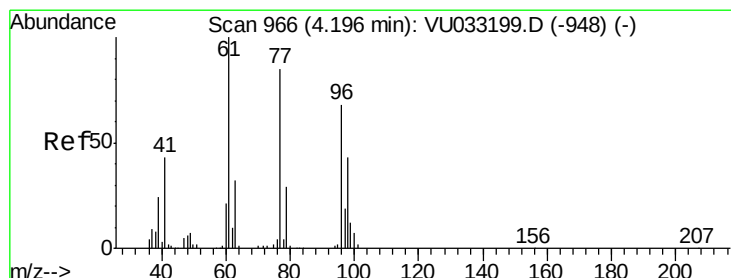
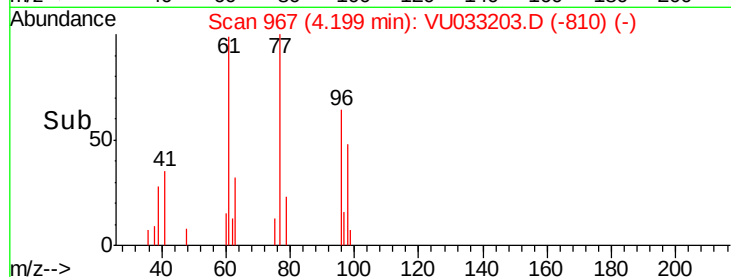
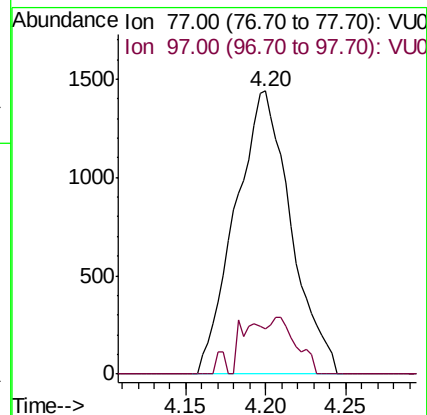
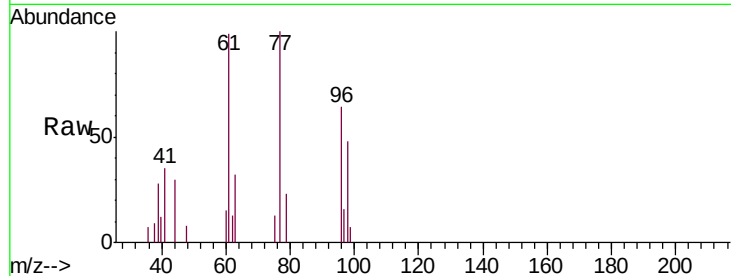
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 77 Resp: 3432

Ion Ratio Lower Upper

77 100

97 8.1 17.6 26.4#



#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

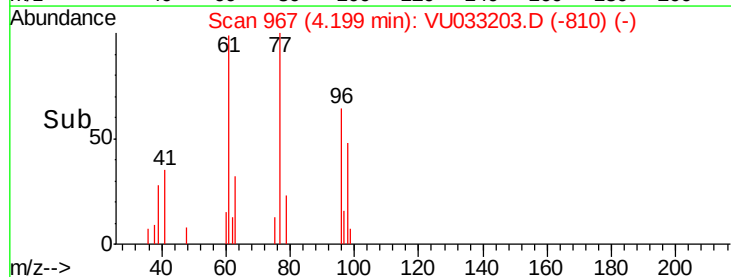
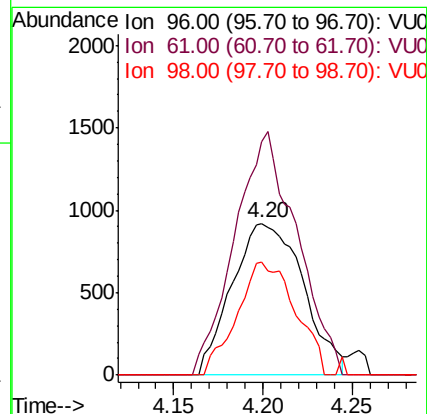
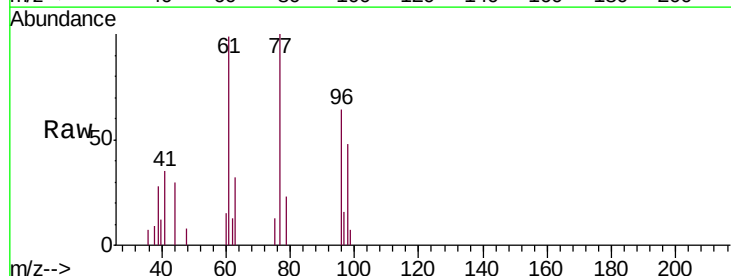
Tgt Ion: 96 Resp: 2566

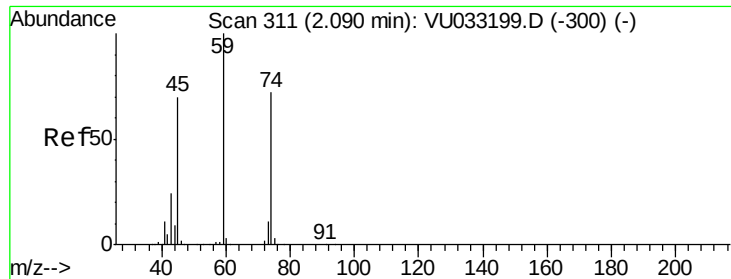
Ion Ratio Lower Upper

96 100

61 139.8 0.0 377.3

98 60.7 32.3 96.8

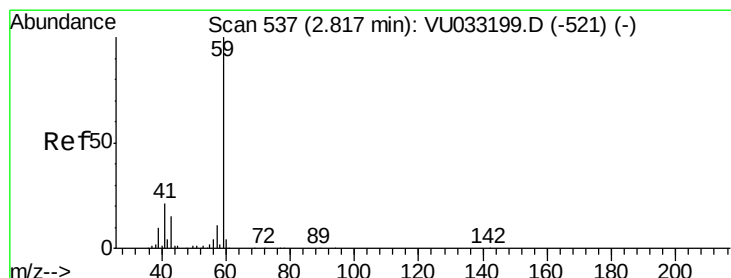
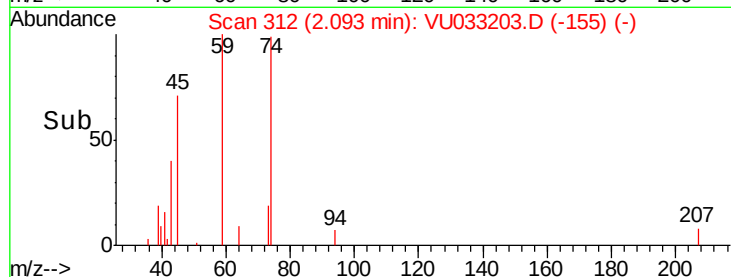
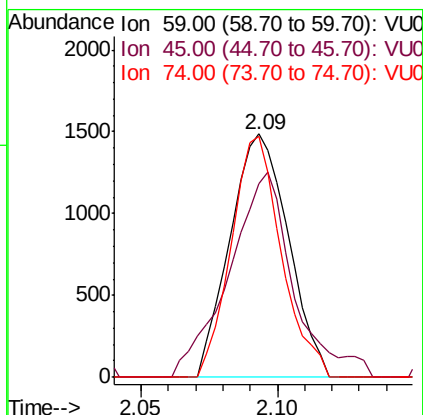
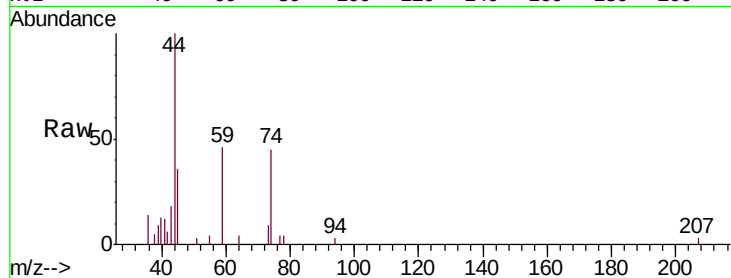




#23
Diethyl Ether
Concen: 0.272 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

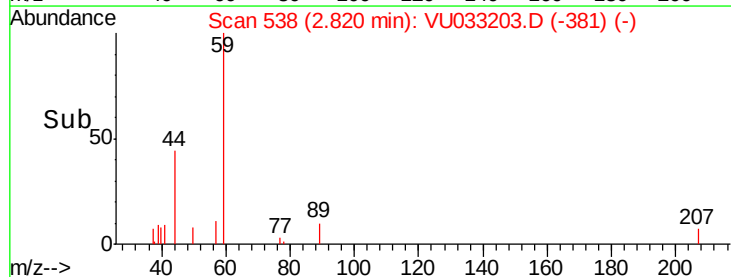
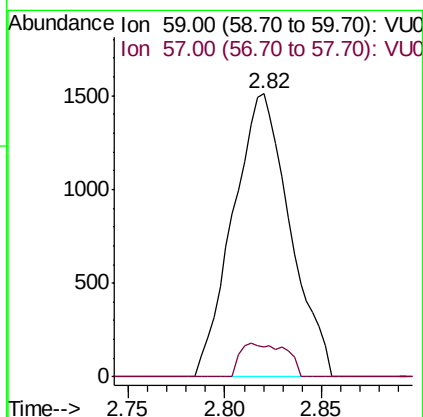
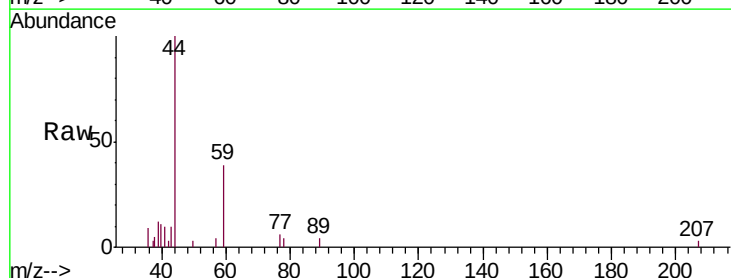
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

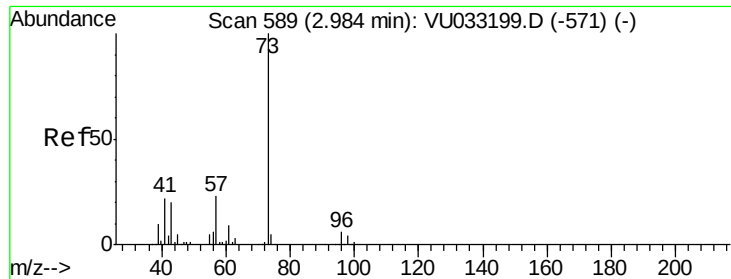
Tgt Ion: 59 Resp: 2199
Ion Ratio Lower Upper
59 100
45 93.0 55.7 83.5#
74 85.4 58.1 87.1



#24
tert-Butyl Alcohol
Concen: 3.140 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 59 Resp: 3097
Ion Ratio Lower Upper
59 100
57 9.4 8.5 12.7

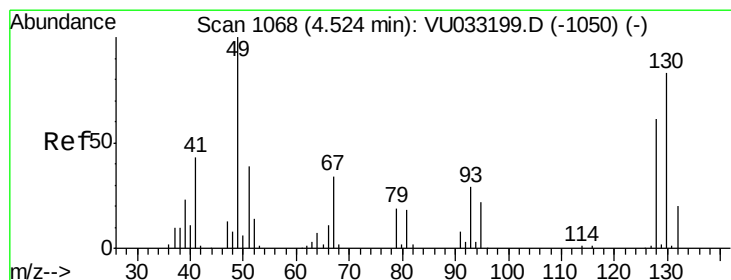
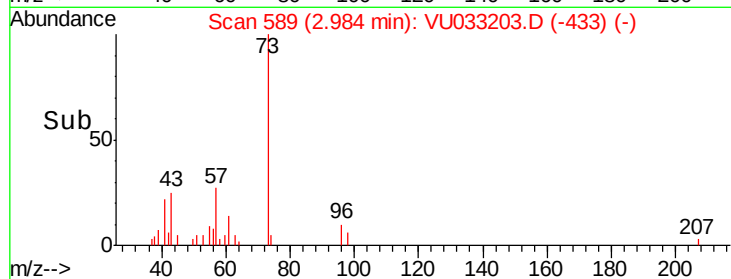
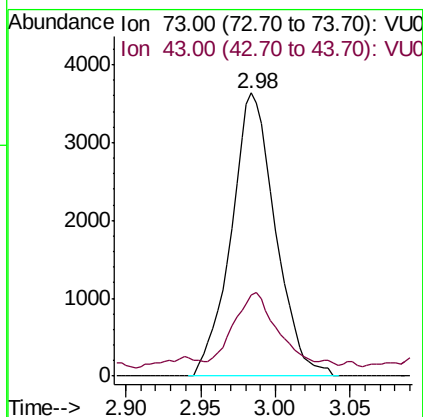
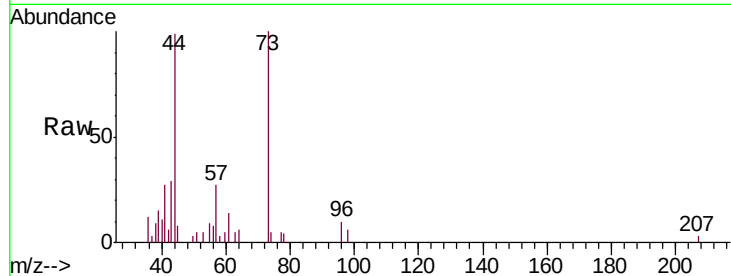




#25
Methyl tert-Butyl Ether
Concen: 0.276 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

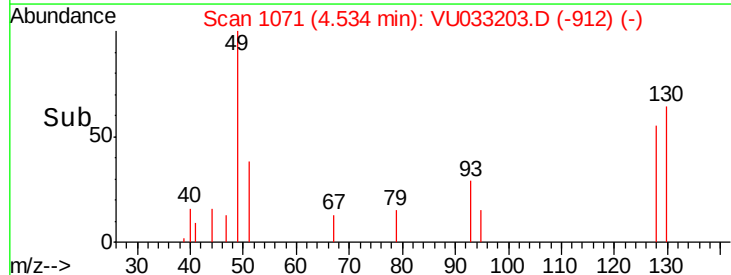
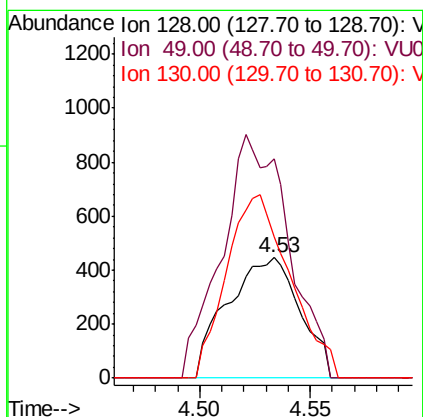
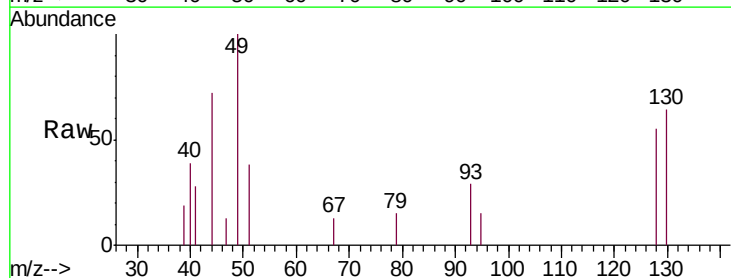
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

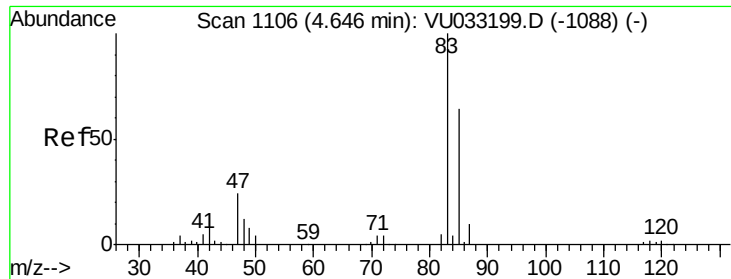
Tgt Ion: 73 Resp: 7470
Ion Ratio Lower Upper
73 100
43 23.5 16.1 24.1



#26
Bromochloromethane
Concen: 0.260 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 128 Resp: 1016
Ion Ratio Lower Upper
128 100
49 187.0 0.0 328.6
130 134.3 104.1 156.1

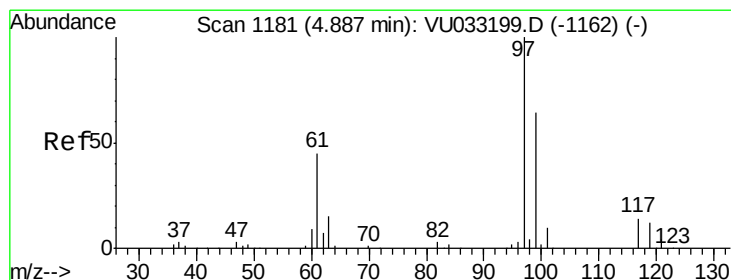
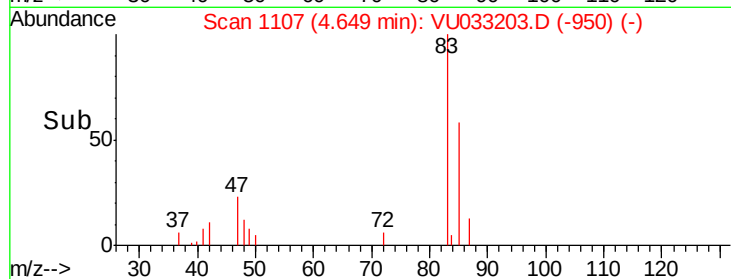
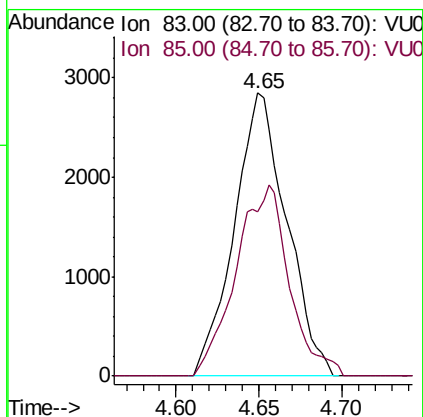
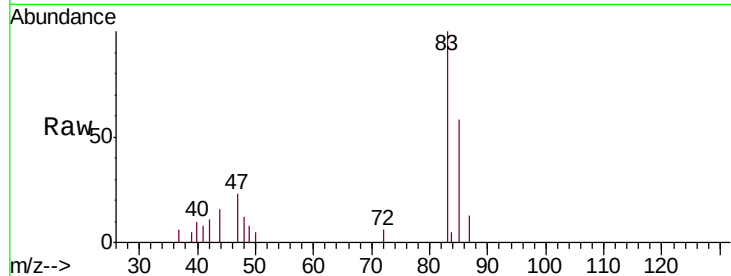




#27
Chloroform
Concen: 0.367 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

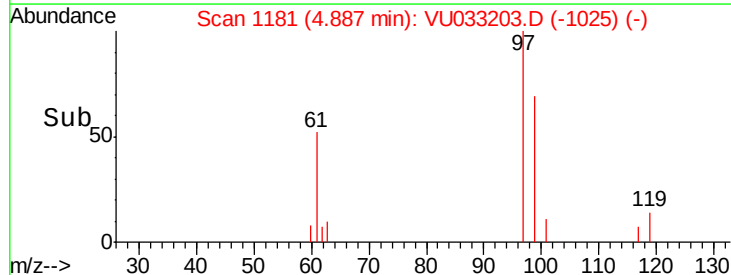
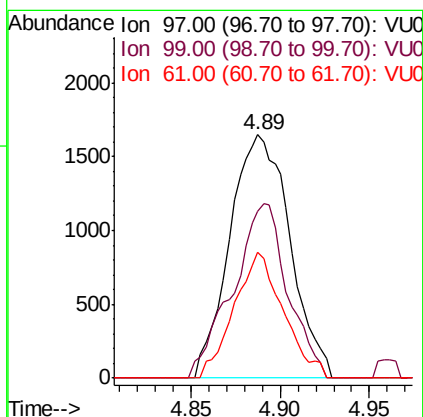
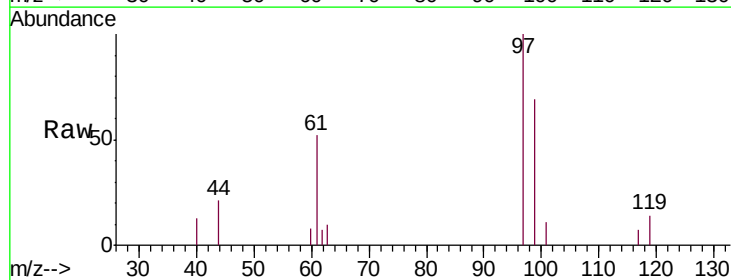
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

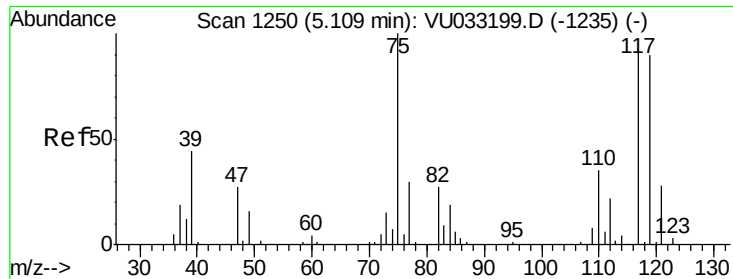
Tgt Ion: 83 Resp: 6252
Ion Ratio Lower Upper
83 100
85 58.0 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 0.287 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 97 Resp: 3870
Ion Ratio Lower Upper
97 100
99 65.5 31.9 95.5
61 42.2 22.6 67.7

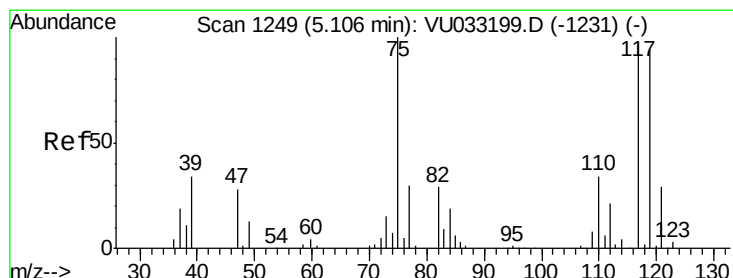
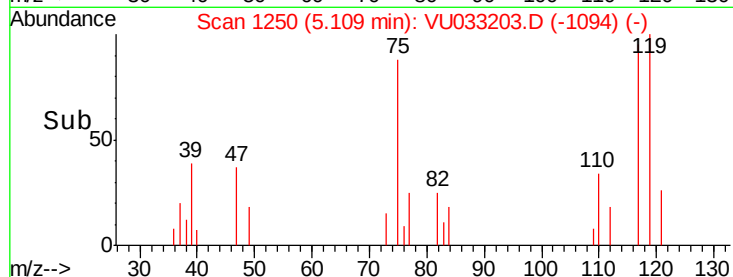
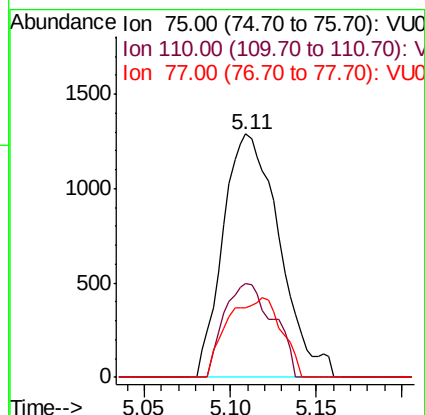
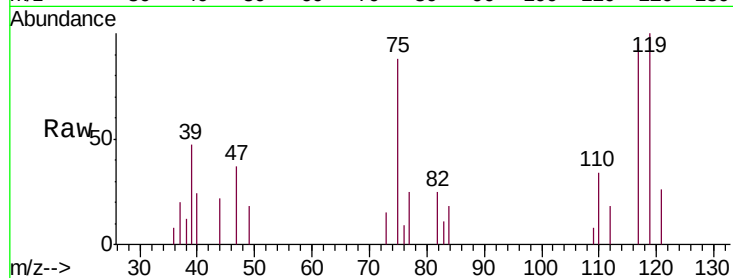




#29
 1,1-Dichloropropene
 Concen: 0.258 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

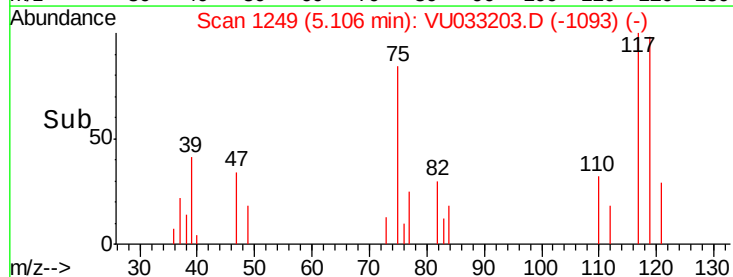
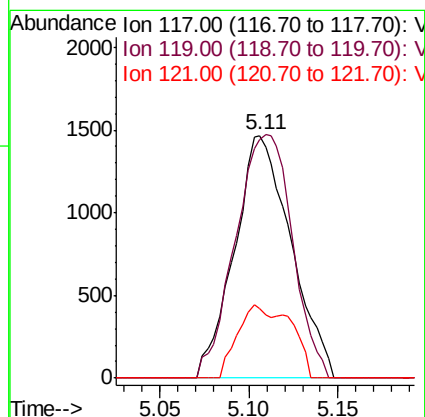
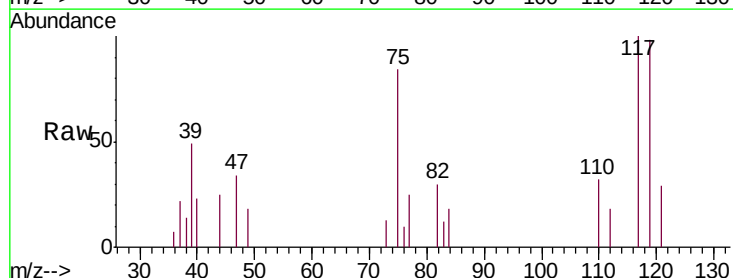
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

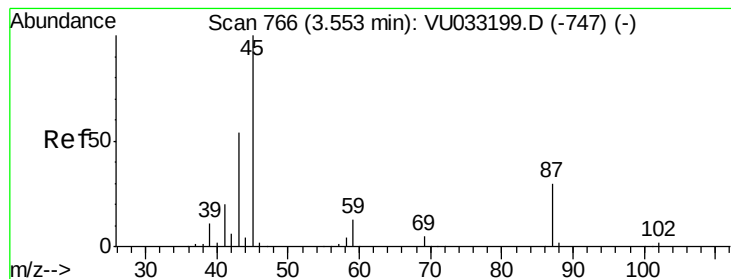
Tgt Ion: 75 Resp: 2940
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.5 52.6
 77 31.2 24.6 37.0



#30
 Carbon Tetrachloride
 Concen: 0.272 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion: 117 Resp: 3239
 Ion Ratio Lower Upper
 117 100
 119 98.2 77.4 116.0
 121 28.8 24.2 36.2





#31

Isopropyl Ether

Concen: 0.282 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

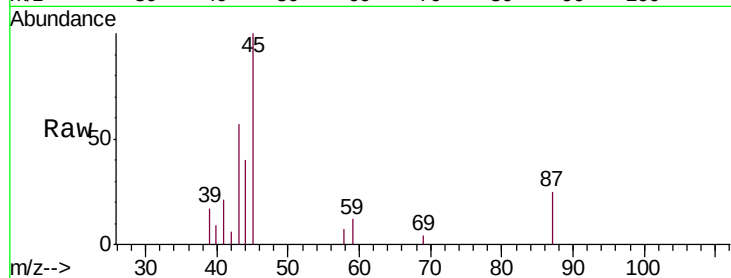
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 45 Resp: 5846

Ion Ratio Lower Upper

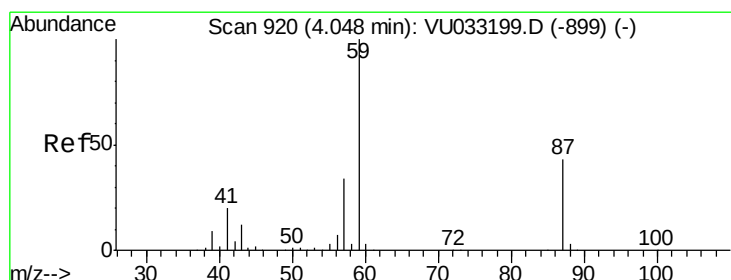
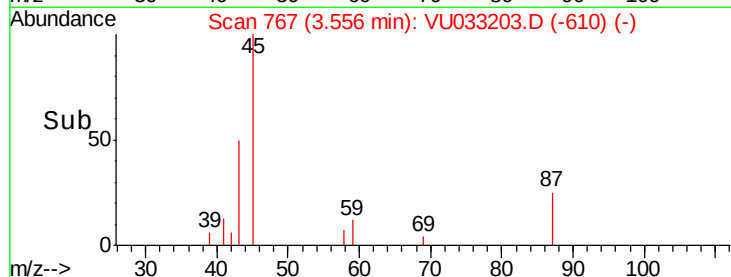
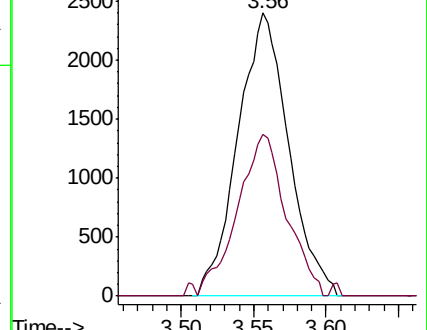
45 100

43 55.2 27.3 81.8



Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-747) (-)



#32

Ethyl-t-butyl ether

Concen: 0.274 ug/l

RT: 4.04 min Scan# 919

Delta R.T. -0.00 min

Lab File: VU033203.D

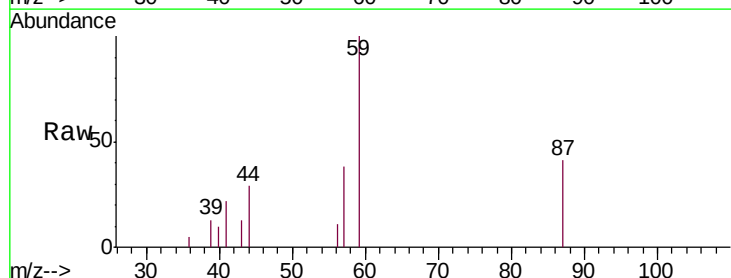
Acq: 11 Jul 2019 21:52

Tgt Ion: 59 Resp: 5544

Ion Ratio Lower Upper

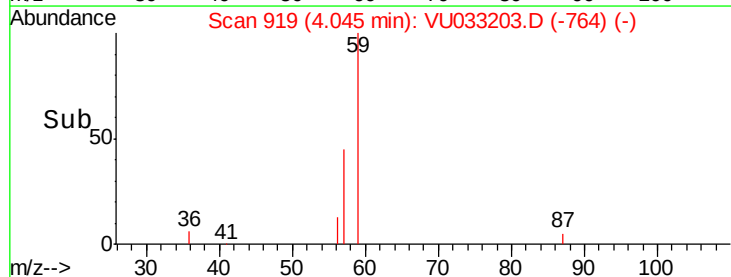
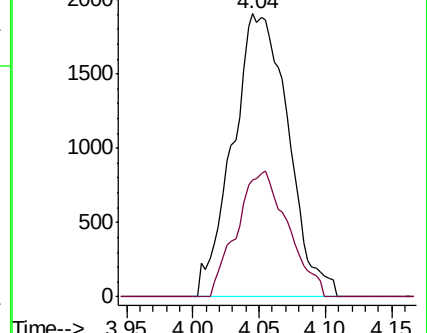
59 100

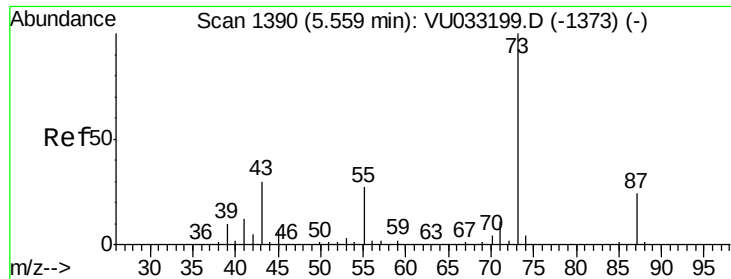
87 40.9 34.5 51.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU033199.D (-899) (-)

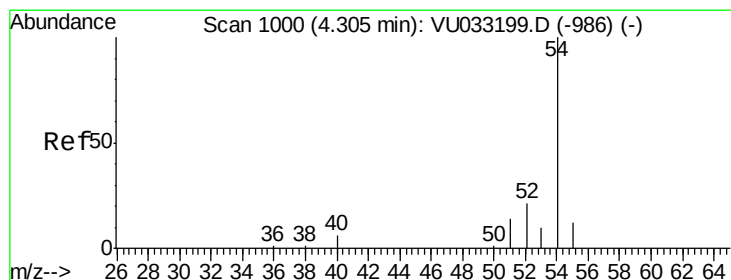
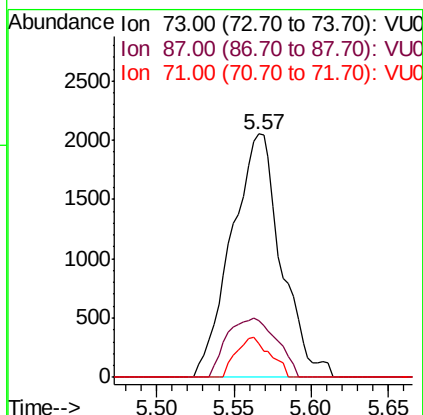
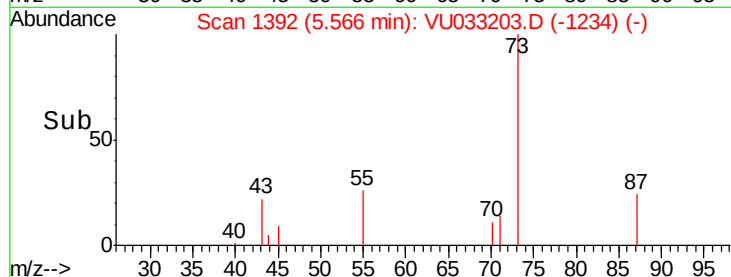
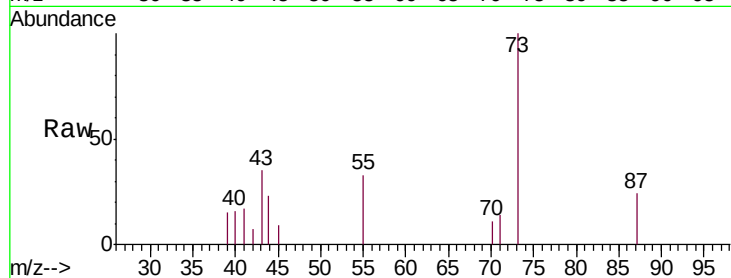




#33
Tert-Amyl methyl ether
Concen: 0.246 ug/l
RT: 5.57 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

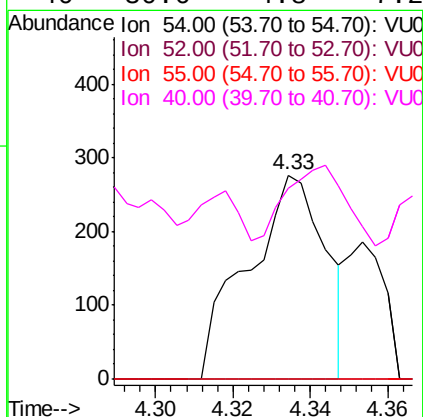
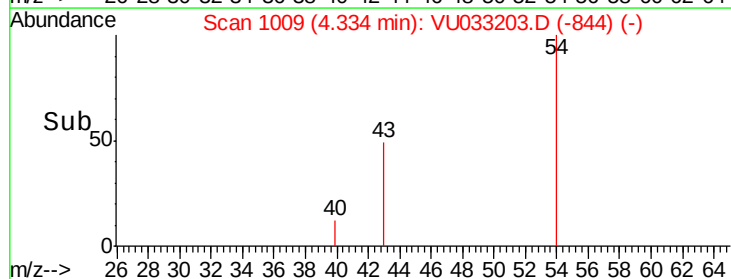
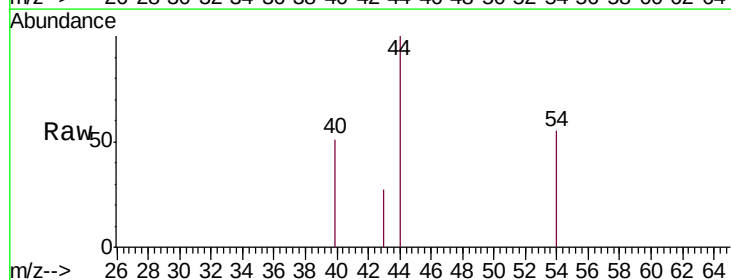
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

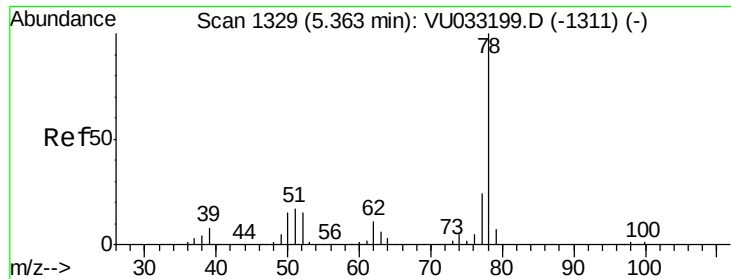
Tgt Ion: 73 Resp: 4589
Ion Ratio Lower Upper
73 100
87 24.4 19.8 29.6
71 11.0 9.1 13.7



#34
Propionitrile
Concen: 0.592 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.03 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 54 Resp: 386
Ion Ratio Lower Upper
54 100
52 0.0 16.7 25.1#
55 0.0 12.9 19.3#
40 30.6 4.8 7.2#





#35

Benzene

Concen: 0.284 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

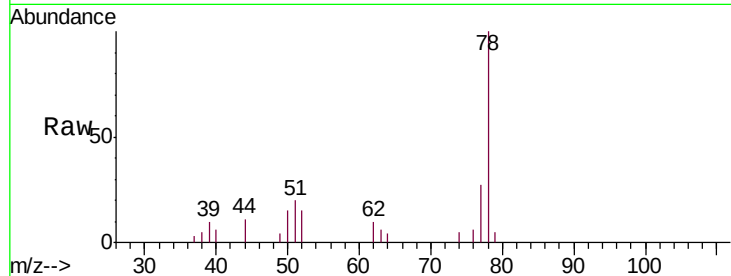
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 78 Resp: 9418

Ion Ratio Lower Upper

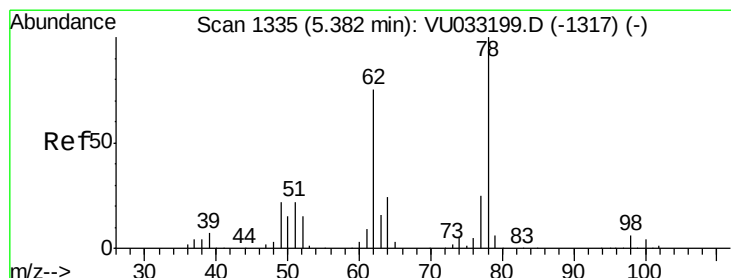
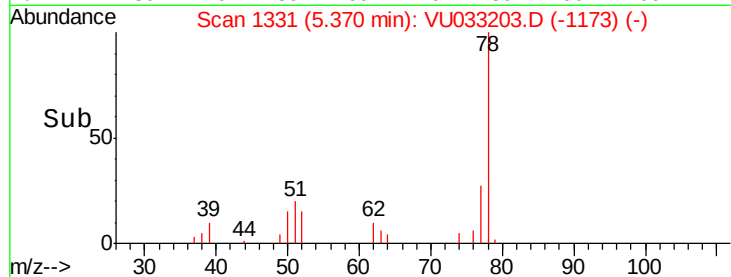
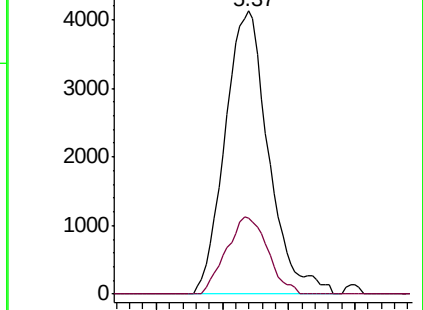
78 100

77 26.7 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



#36

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033203.D

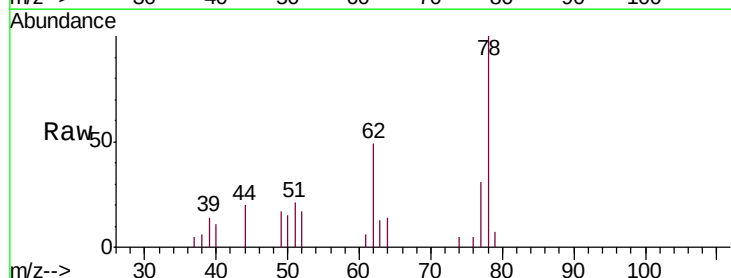
Acq: 11 Jul 2019 21:52

Tgt Ion: 62 Resp: 2552

Ion Ratio Lower Upper

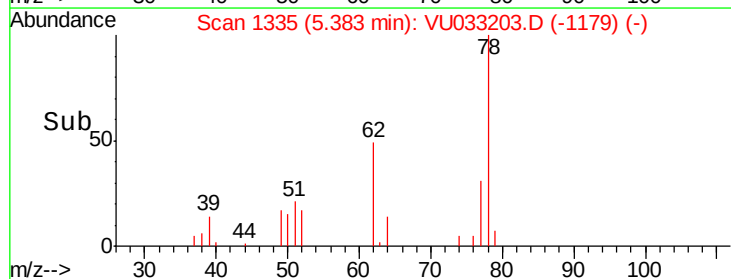
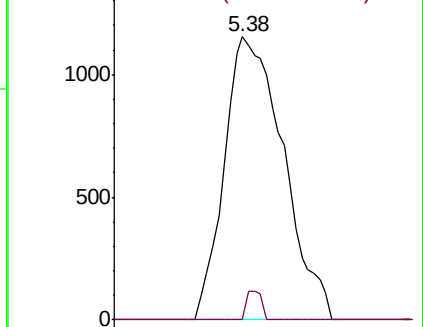
62 100

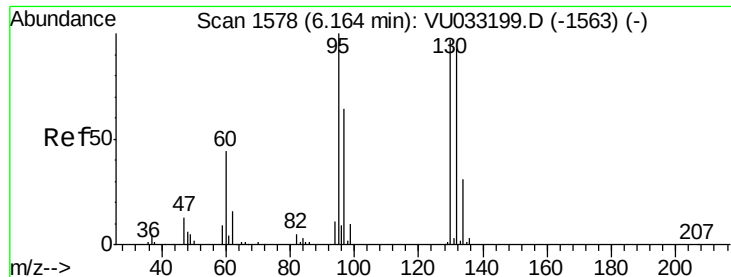
98 2.5 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)





#37

Trichloroethene

Concen: 0.294 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

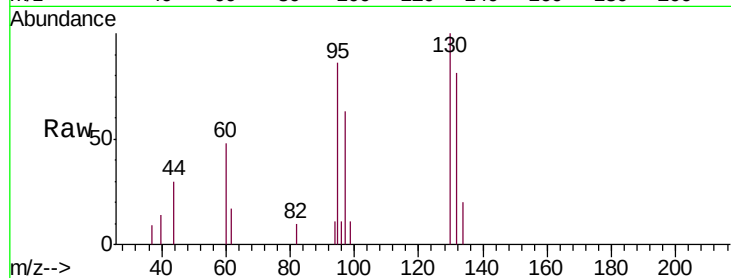
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:130 Resp: 2546

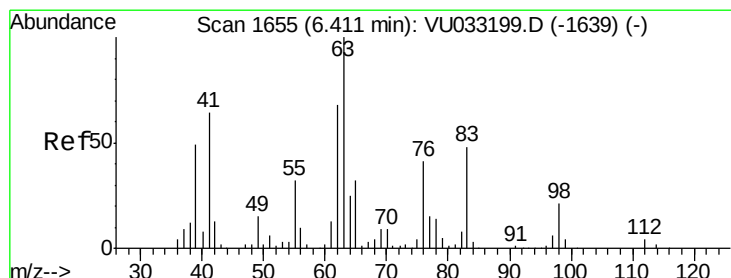
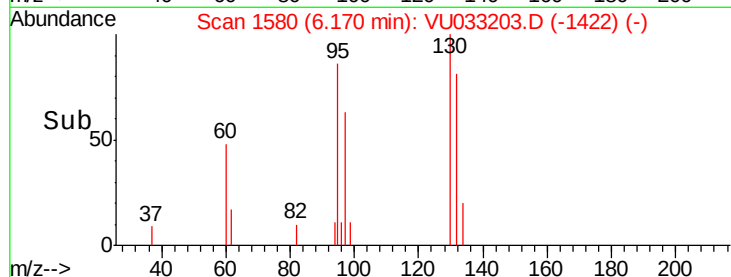
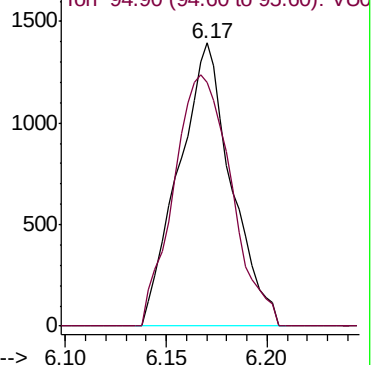
Ion Ratio Lower Upper

130 100

95 86.2 82.4 123.6



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



#38

1,2-Dichloropropane

Concen: 0.283 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033203.D

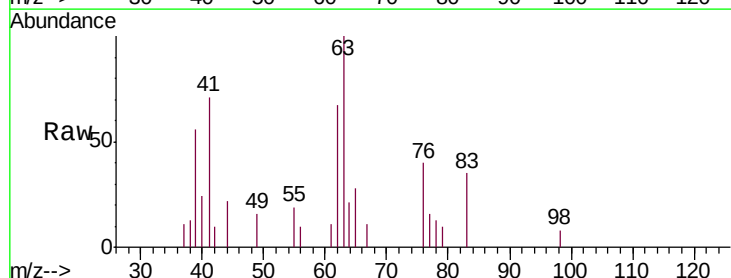
Acq: 11 Jul 2019 21:52

Tgt Ion: 63 Resp: 2539

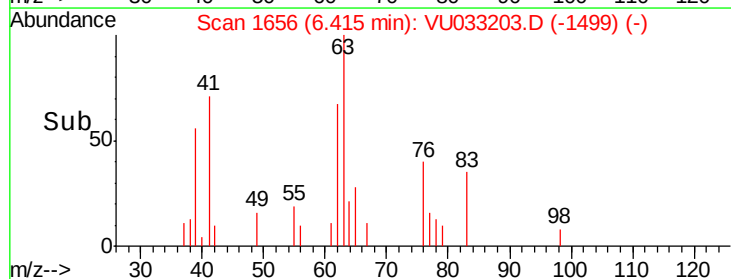
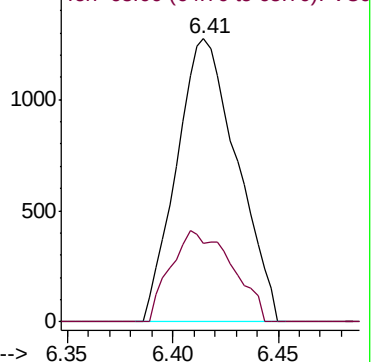
Ion Ratio Lower Upper

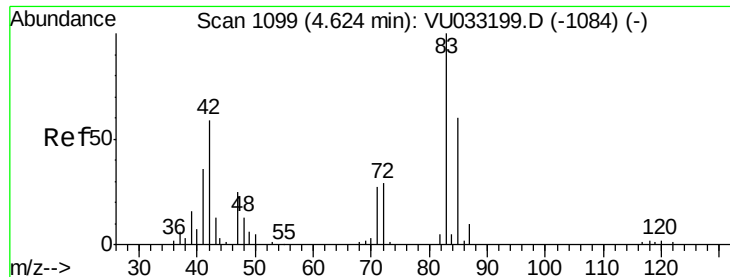
63 100

65 27.7 25.3 37.9



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





#41

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 4.63 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

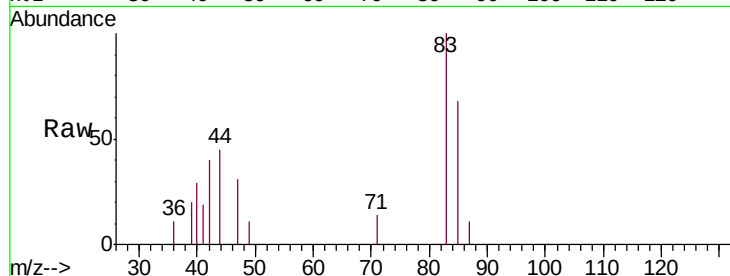
Tgt Ion: 42 Resp: 441

Ion Ratio Lower Upper

42 100

72 9.5 40.7 61.1#

71 37.6 35.4 53.0

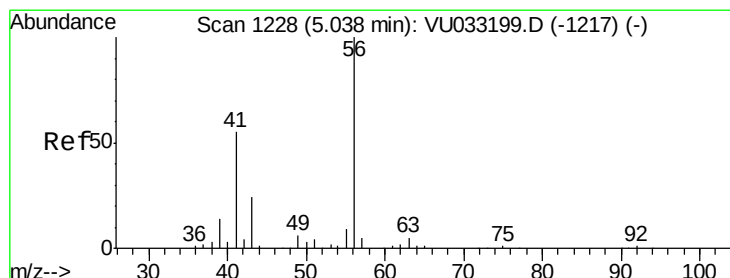
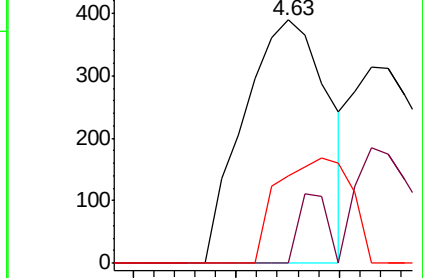
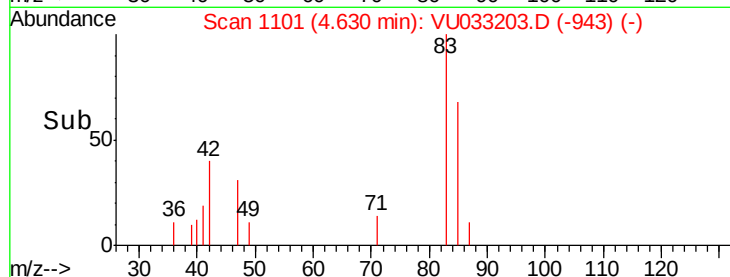


Abundance Ion 42.00 (41.70 to 42.70): VU033203.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU033203.D (-943) (-)

Ion 71.00 (70.70 to 71.70): VU033203.D (-943) (-)

Time-->



#42

1-Chlorobutane

Concen: 0.267 ug/l

RT: 5.04 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VU033203.D

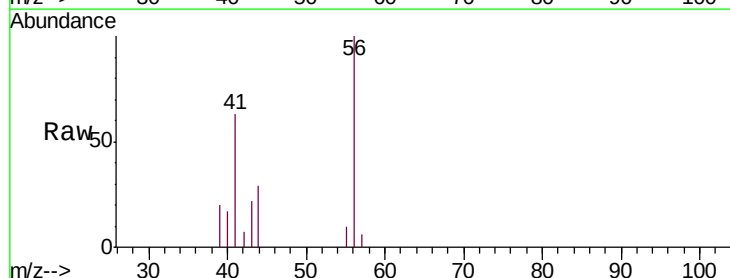
Acq: 11 Jul 2019 21:52

Tgt Ion: 56 Resp: 4127

Ion Ratio Lower Upper

56 100

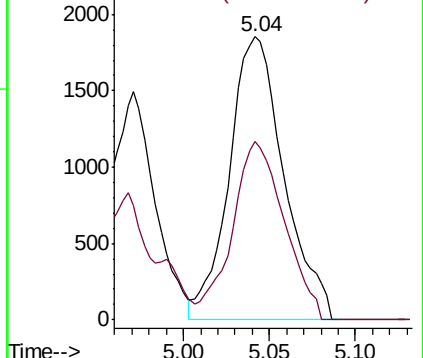
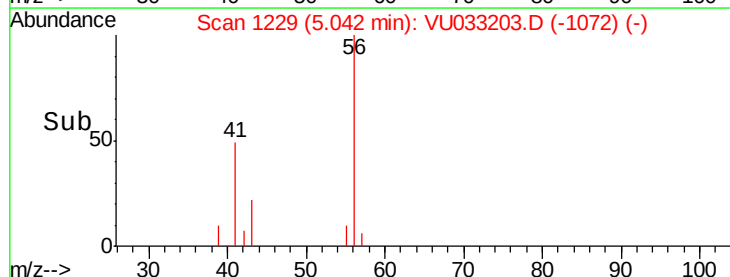
41 59.6 26.5 79.4

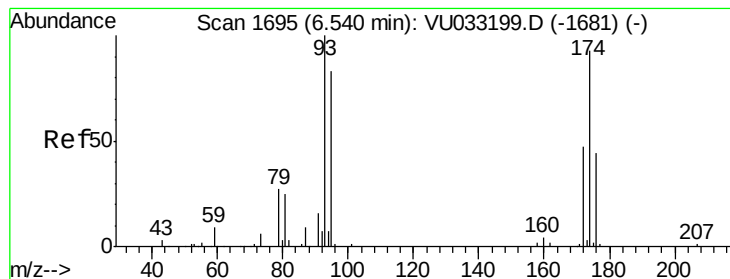


Abundance Ion 56.00 (55.70 to 56.70): VU033203.D (-1072) (-)

Ion 41.00 (40.70 to 41.70): VU033203.D (-1072) (-)

Time-->





#43

Dibromomethane

Concen: 0.278 ug/l

RT: 6.55 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

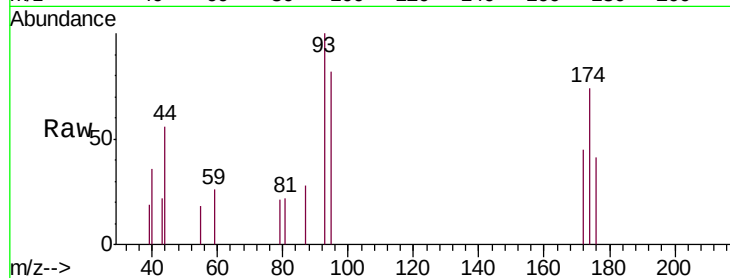
Tgt Ion: 93 Resp: 1334

Ion Ratio Lower Upper

93 100

95 72.8 67.5 101.3

174 73.7 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-->

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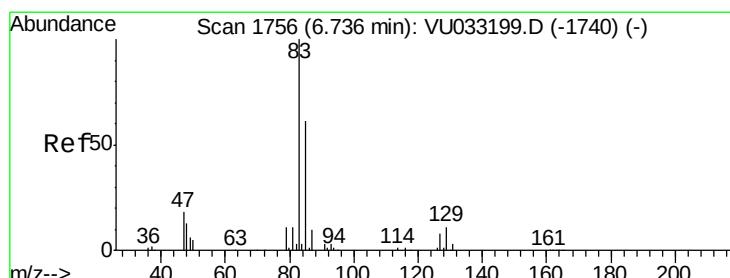
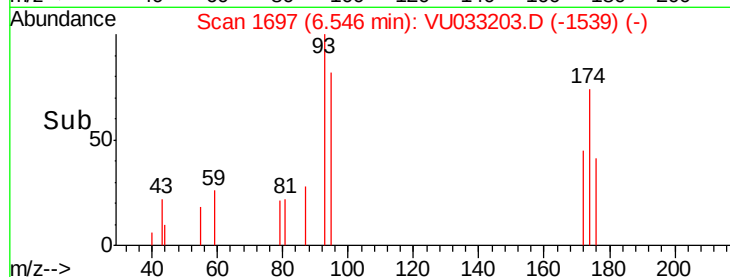
6.55

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6.55



#44

Bromodichloromethane

Concen: 0.299 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

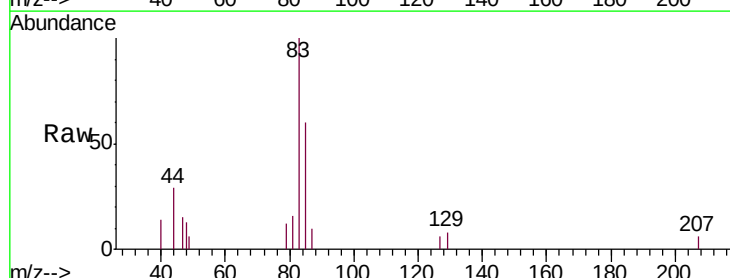
Tgt Ion: 83 Resp: 3536

Ion Ratio Lower Upper

83 100

85 60.4 49.1 73.7

127 6.4 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-->

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

6.74

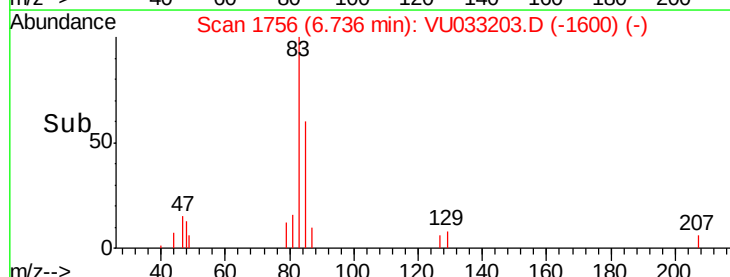
6.74

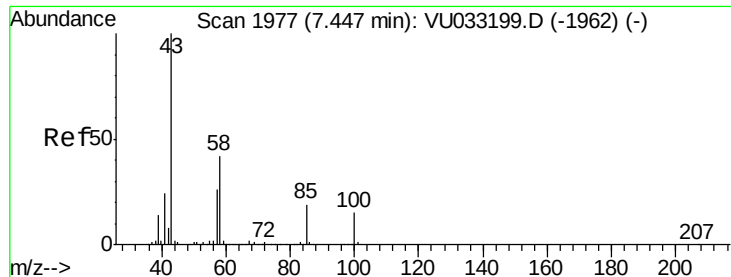
6.74

6.74

6.74

6.74

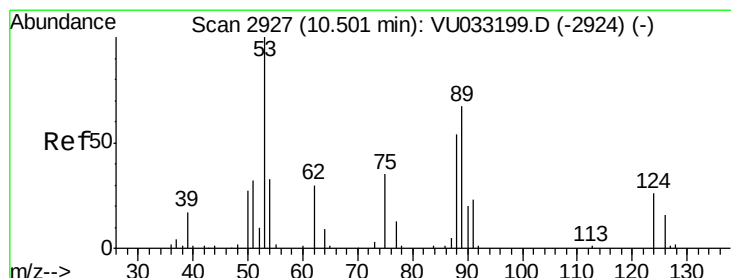
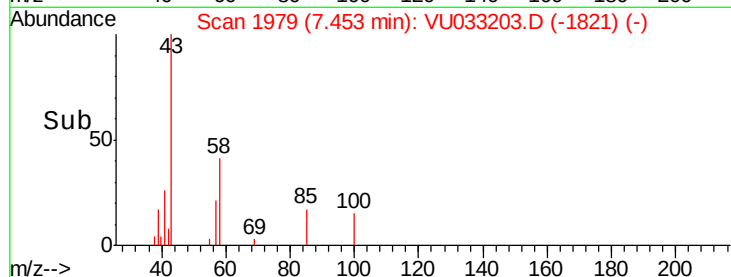
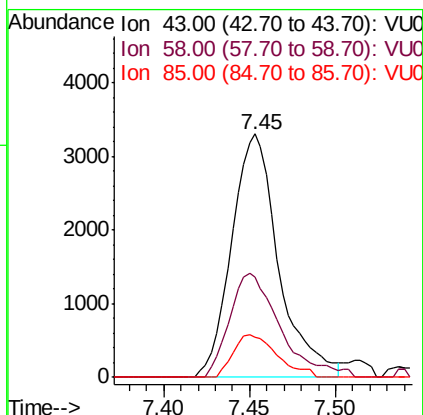
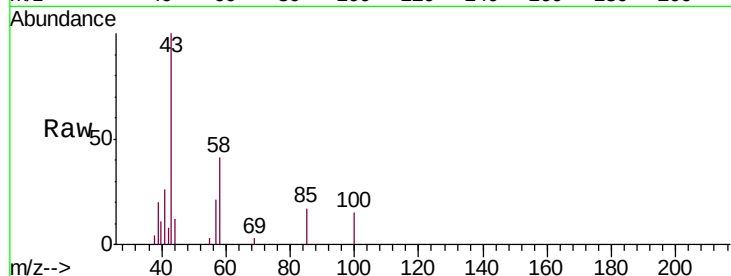




#45
4-Methyl-2-Pentanone
Concen: 1.168 ug/l
RT: 7.45 min Scan# 1979
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

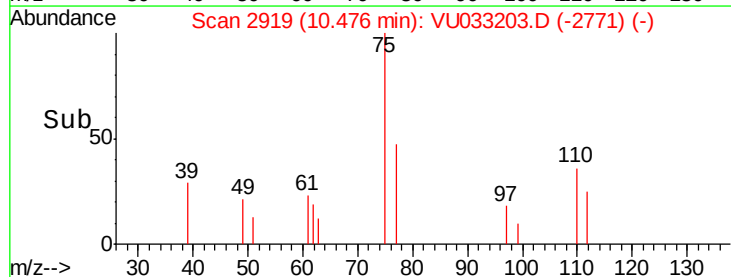
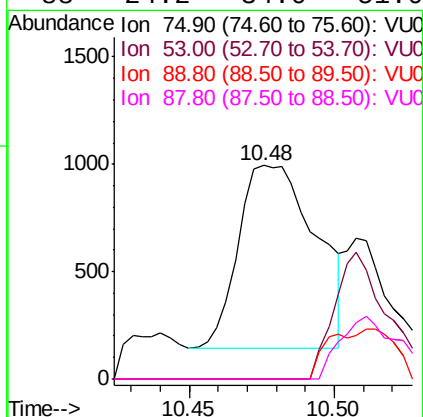
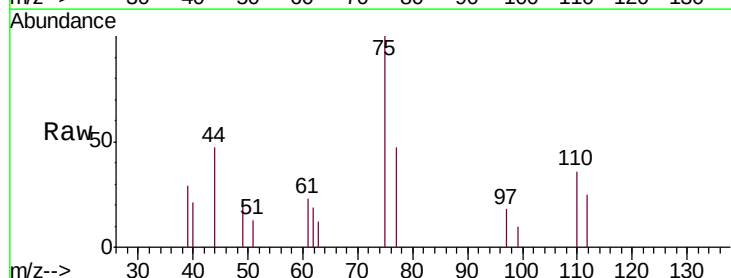
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

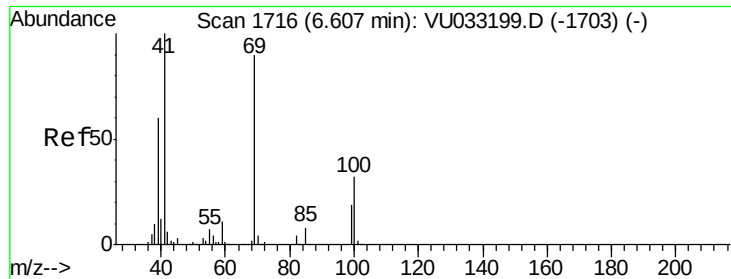
Tgt Ion: 43 Resp: 6310
Ion Ratio Lower Upper
43 100
58 45.9 20.4 61.2
85 16.2 14.7 22.1



#46
t-1,4-Dichloro-2-butene
Concen: 0.685 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.03 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 75 Resp: 1576
Ion Ratio Lower Upper
75 100
53 46.8 63.8 95.6#
89 23.0 44.0 66.0#
88 24.2 34.0 51.0#





#47

Methyl methacrylate

Concen: 0.428 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 69 Resp: 1662

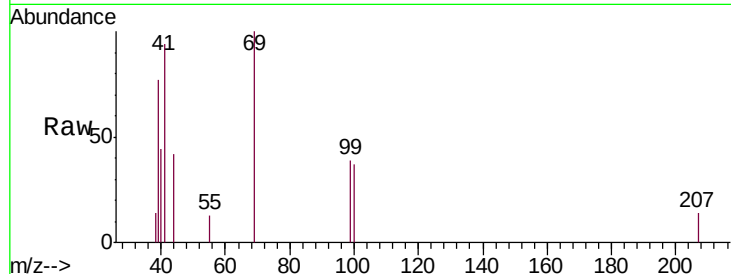
Ion Ratio Lower Upper

69 100

41 45.8 0.0 217.0

39 60.8 52.1 78.1

100 28.6 28.2 42.4

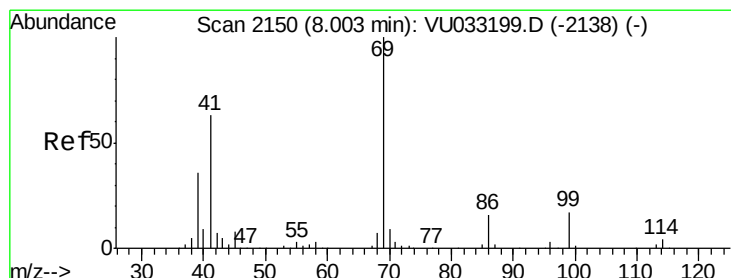
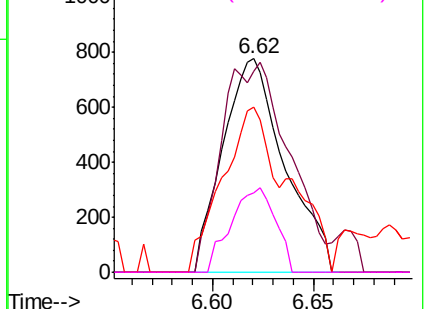
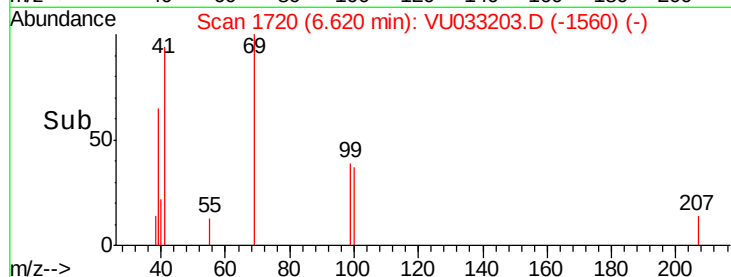


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 0.235 ug/l

RT: 8.01 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VU033203.D

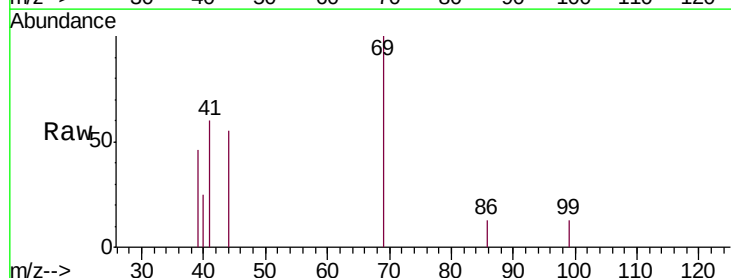
Acq: 11 Jul 2019 21:52

Tgt Ion: 69 Resp: 1718

Ion Ratio Lower Upper

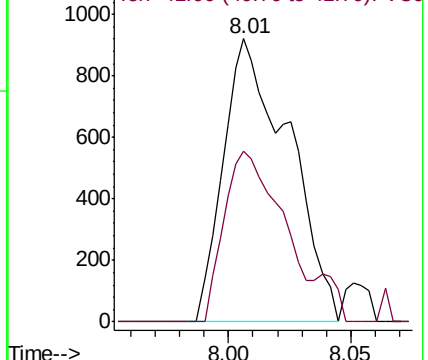
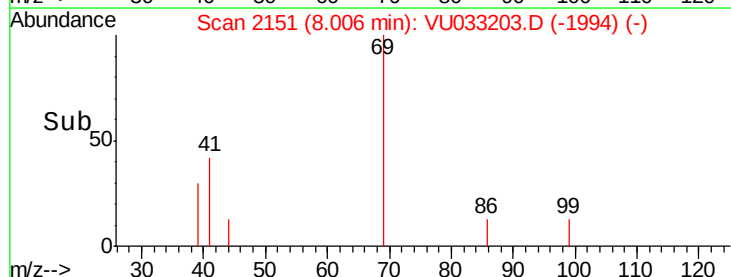
69 100

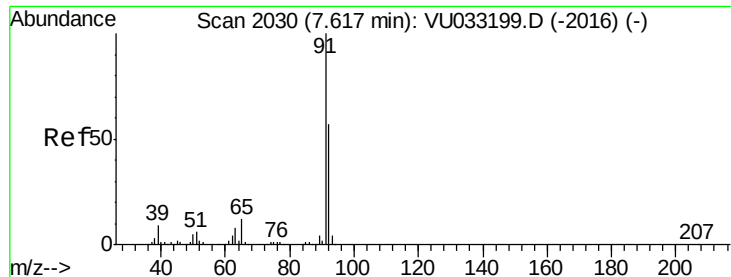
41 54.0 31.3 93.8



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.226 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

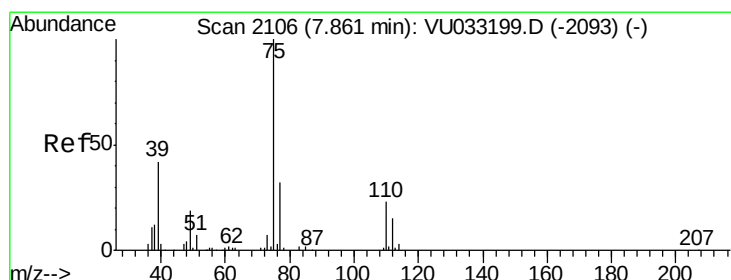
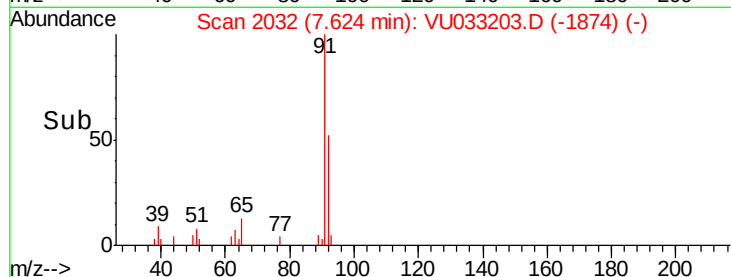
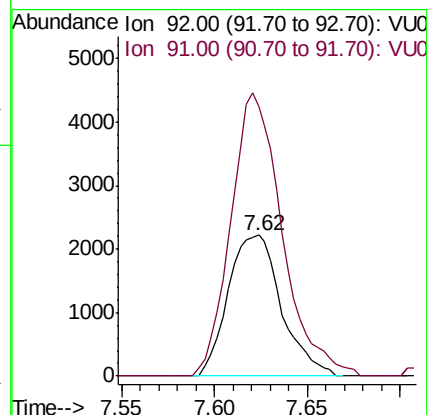
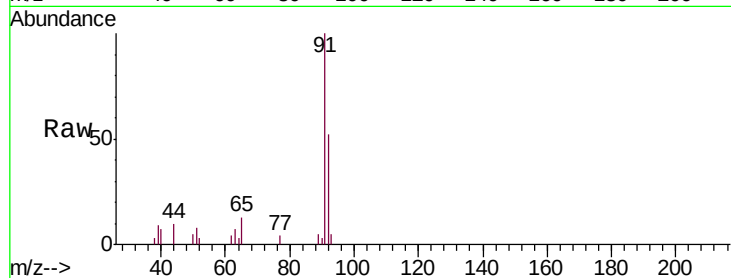
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 92 Resp: 4421

Ion Ratio Lower Upper

92 100

91 193.8 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 0.235 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. 0.01 min

Lab File: VU033203.D

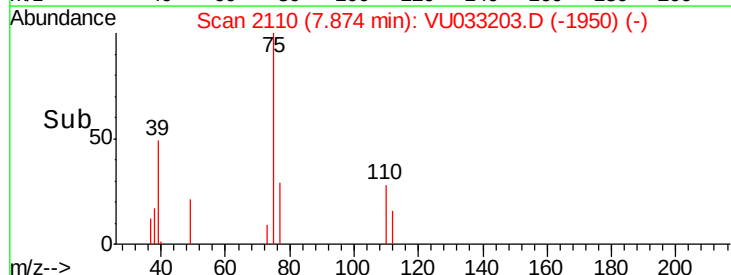
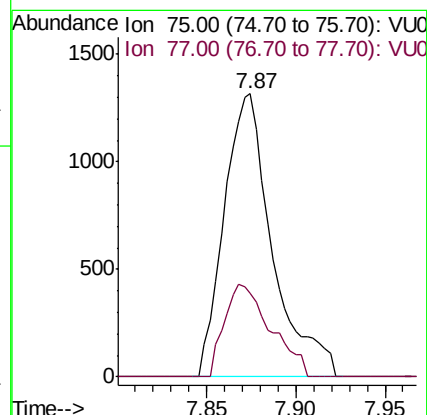
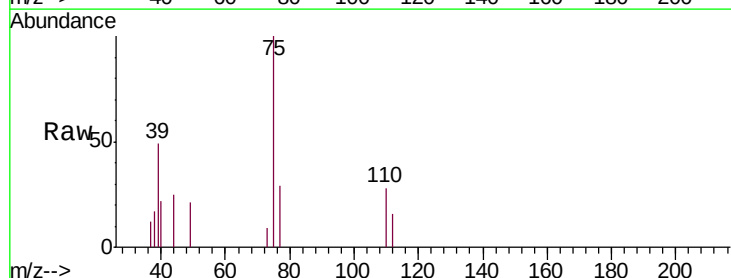
Acq: 11 Jul 2019 21:52

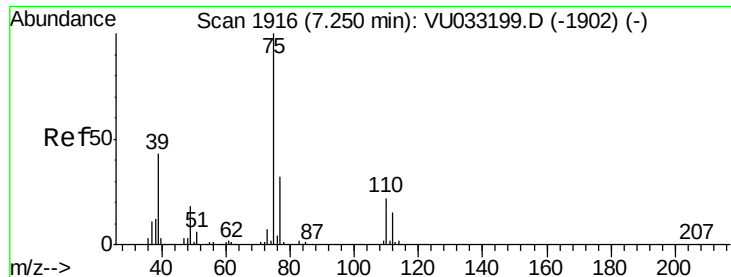
Tgt Ion: 75 Resp: 2465

Ion Ratio Lower Upper

75 100

77 29.5 25.2 37.8

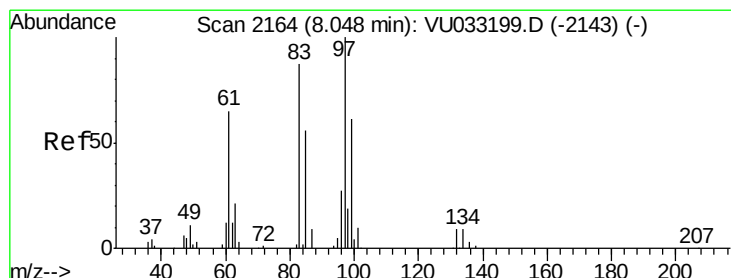
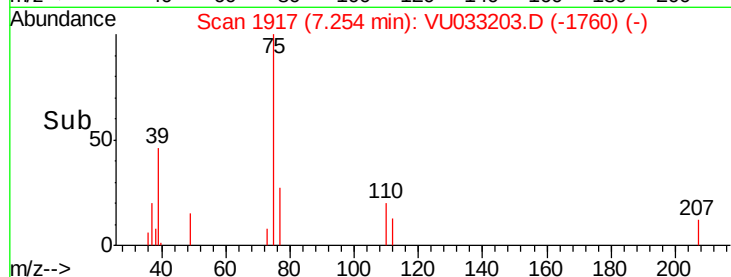
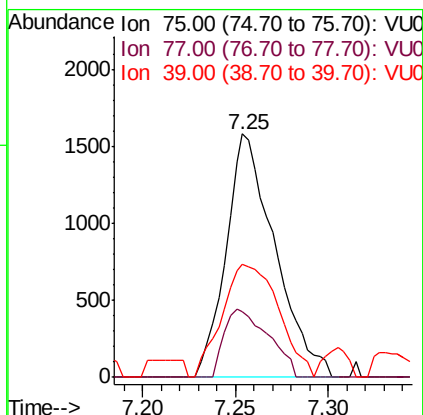
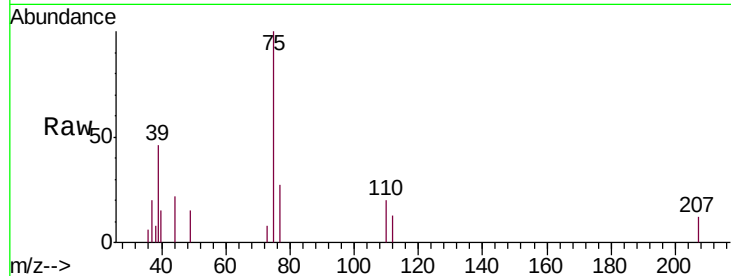




#51
 cis-1,3-Dichloropropene
 Concen: 0.239 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

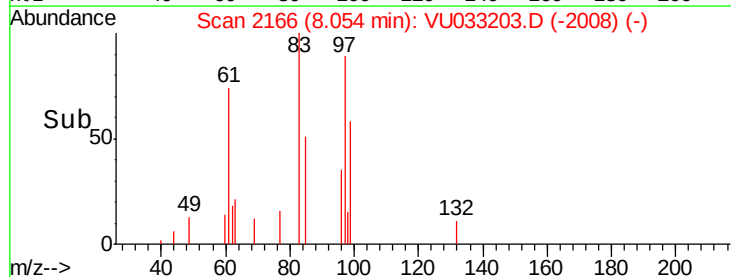
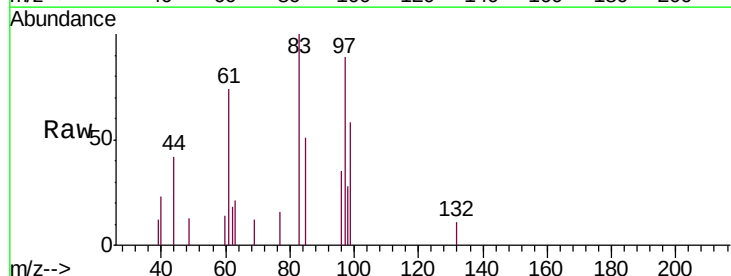
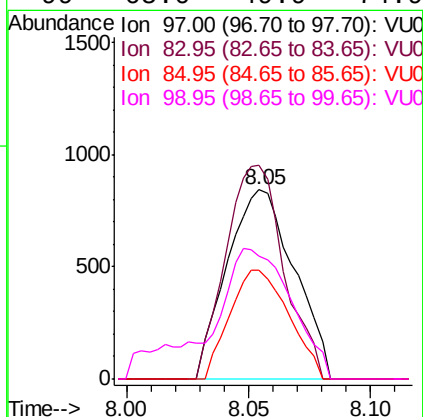
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

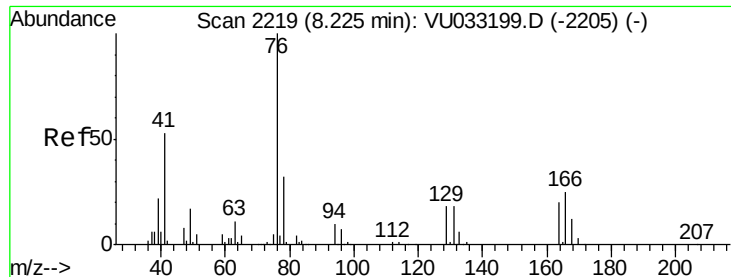
Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.2	25.4	38.0
39	46.2	34.5	51.7



#52
 1,1,2-Trichloroethane
 Concen: 0.242 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	112.8	69.9	104.9#
85	57.8	45.2	67.8
99	65.0	49.9	74.9





#53

1,3-Dichloropropane

Concen: 0.256 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

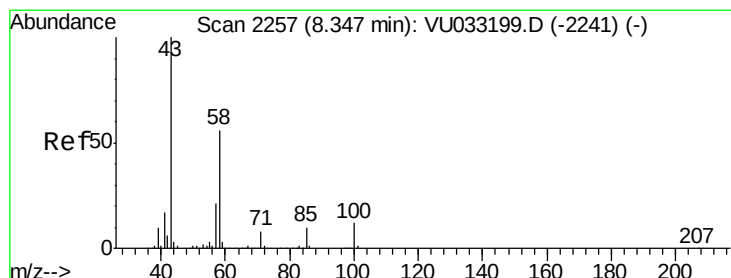
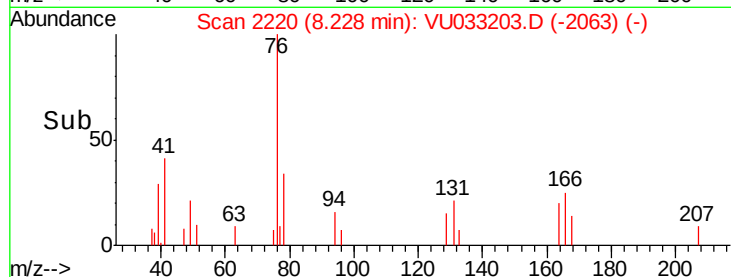
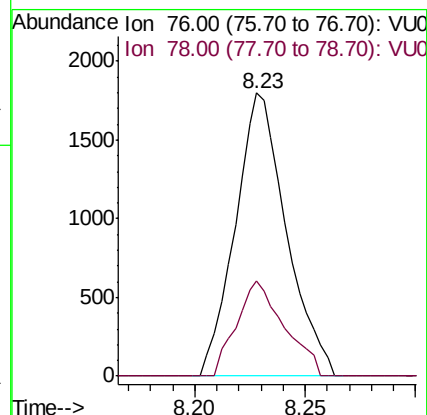
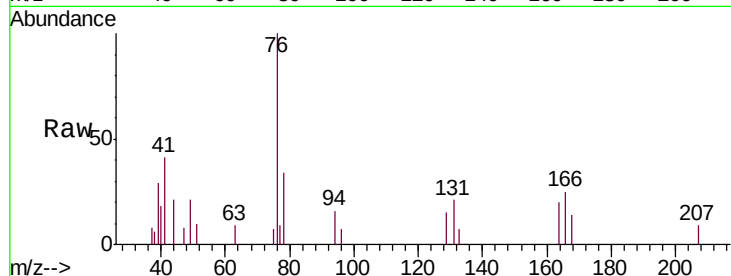
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 76 Resp: 2886

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



#54

2-Hexanone

Concen: 1.192 ug/l

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

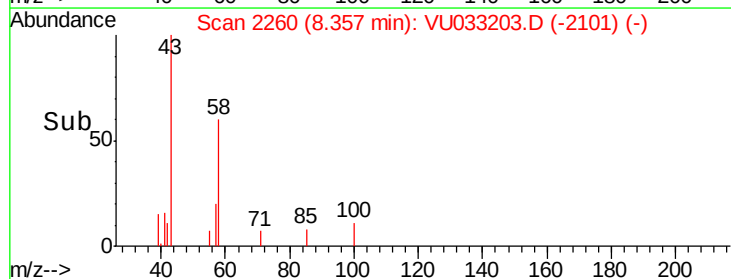
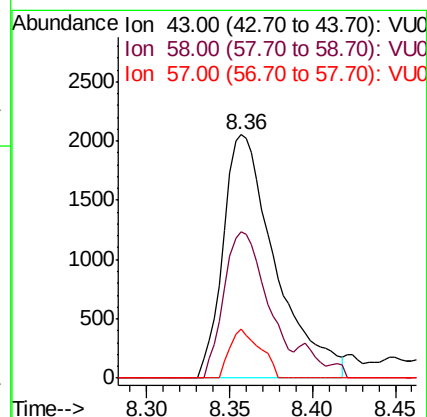
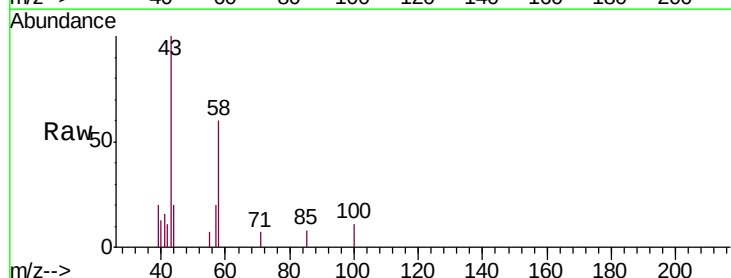
Tgt Ion: 43 Resp: 4500

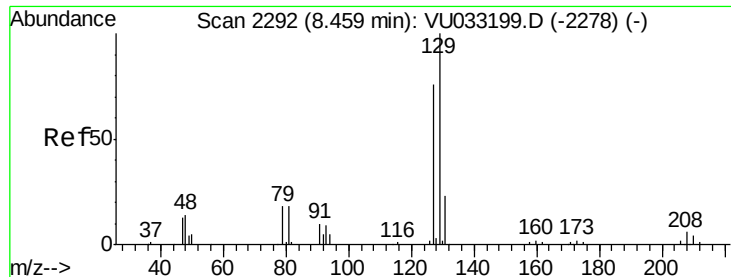
Ion Ratio Lower Upper

43 100

58 50.0 35.8 75.8

57 11.6 0.2 40.2





#55

Dibromochloromethane

Concen: 0.262 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

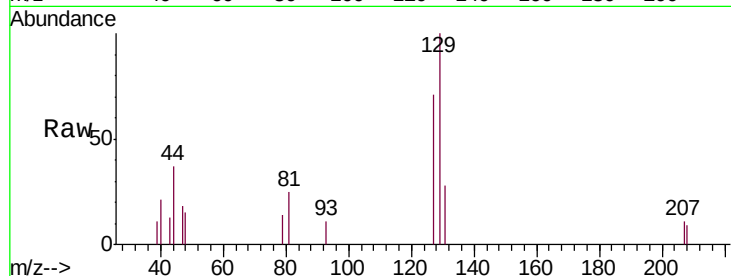
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:129 Resp: 2022

Ion Ratio Lower Upper

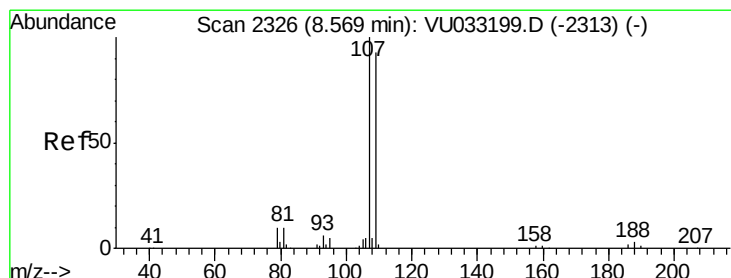
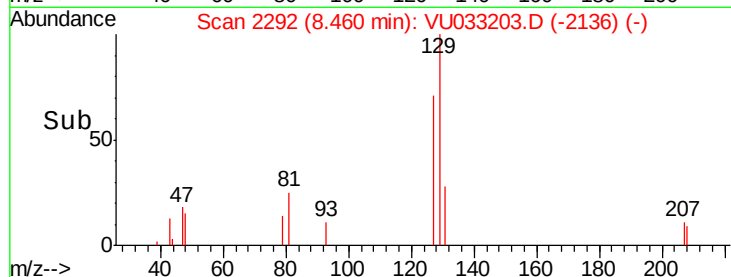
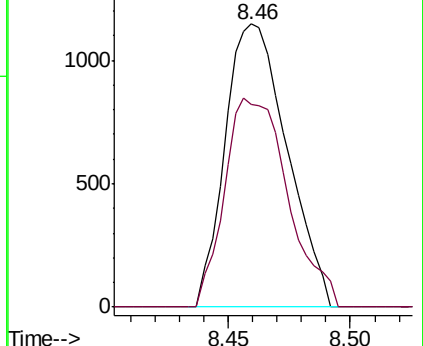
129 100

127 75.2 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: 0.249 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033203.D

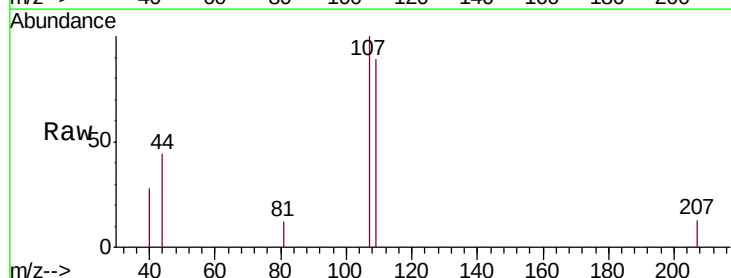
Acq: 11 Jul 2019 21:52

Tgt Ion:107 Resp: 1535

Ion Ratio Lower Upper

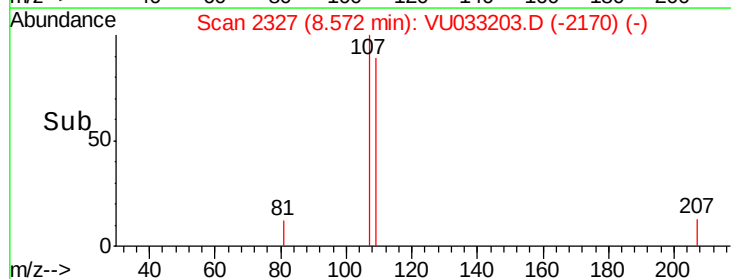
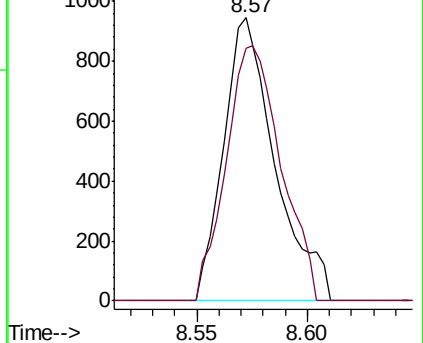
107 100

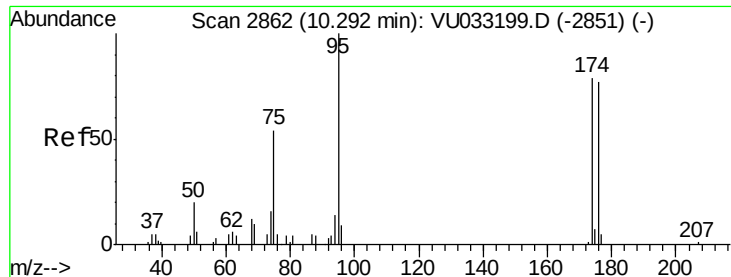
109 95.8 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.913 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

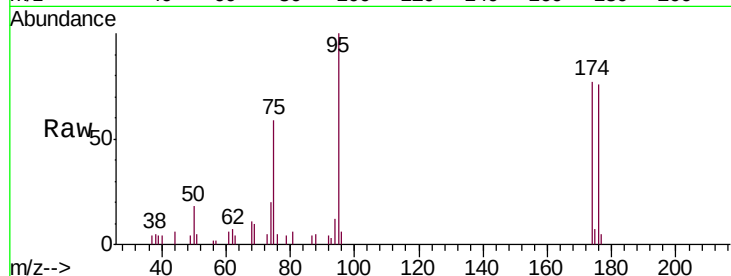
Tgt Ion: 95 Resp: 9710

Ion Ratio Lower Upper

95 100

174 77.4 63.8 95.8

176 78.1 64.5 96.7

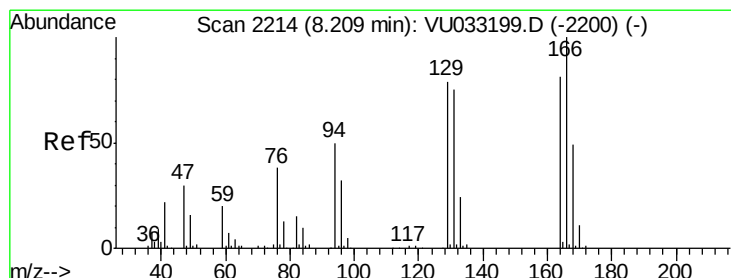
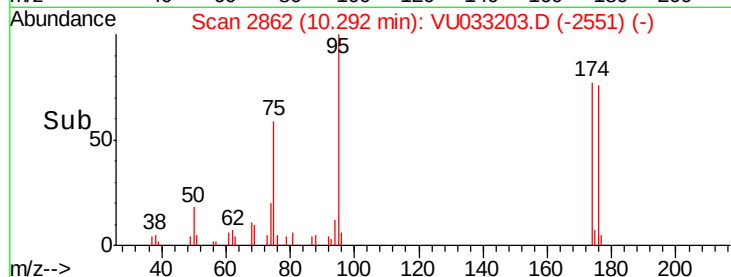
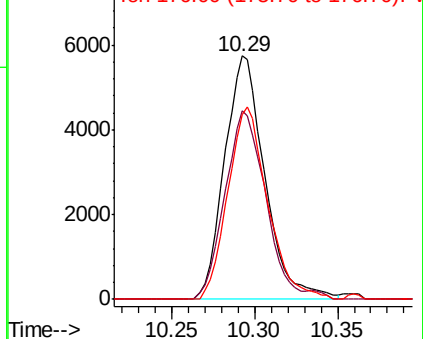


Abundance

Ion 95.00 (94.70 to 95.70): VU033203.D (-2551) (-)

Ion 174.00 (173.70 to 174.70): VU033203.D (-2551) (-)

Ion 176.00 (175.70 to 176.70): VU033203.D (-2551) (-)



#58

Tetrachloroethene

Concen: 0.284 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion: 164 Resp: 2247

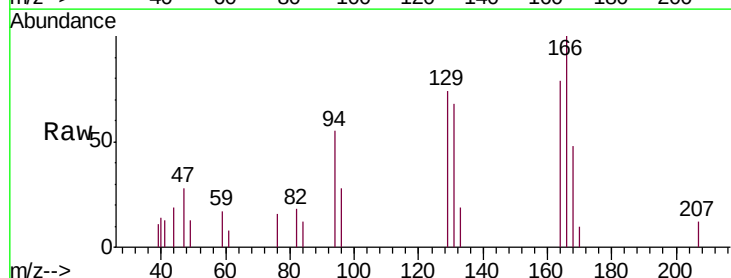
Ion Ratio Lower Upper

164 100

166 125.8 99.3 148.9

129 93.6 78.0 117.0

131 85.3 74.5 111.7



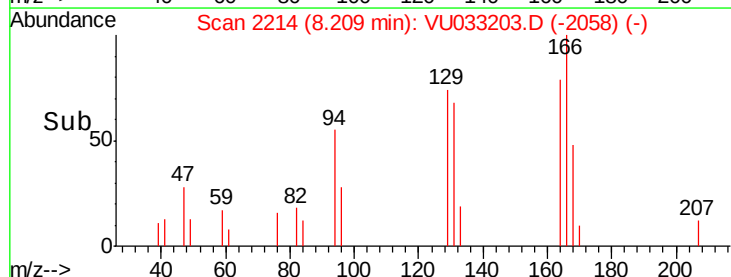
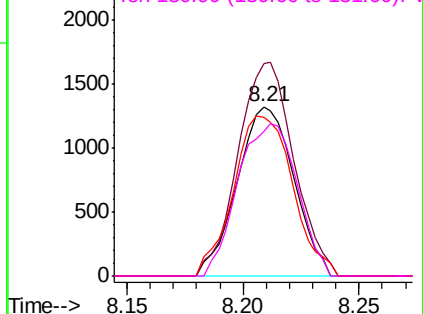
Abundance

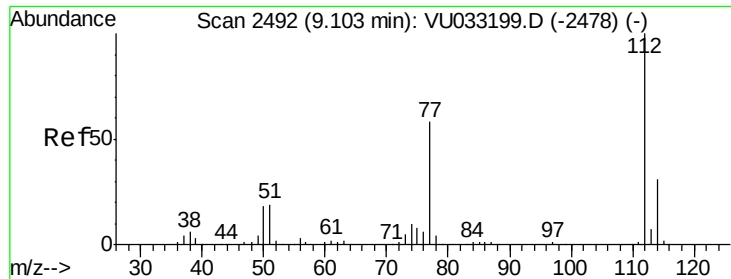
Ion 163.85 (163.55 to 164.55): VU033203.D (-2058) (-)

Ion 165.80 (165.50 to 166.50): VU033203.D (-2058) (-)

Ion 128.90 (128.60 to 129.60): VU033203.D (-2058) (-)

Ion 130.90 (130.60 to 131.60): VU033203.D (-2058) (-)





#59

Chlorobenzene

Concen: 0.262 ug/l

RT: 9.11 min Scan# 2493

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

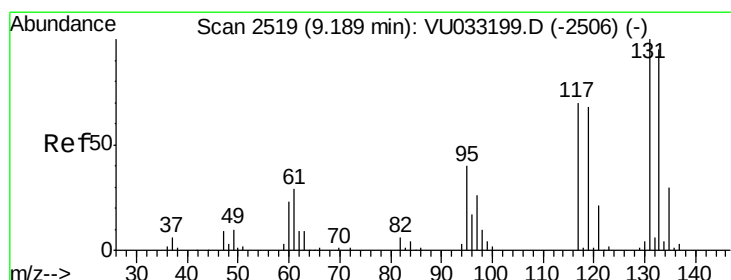
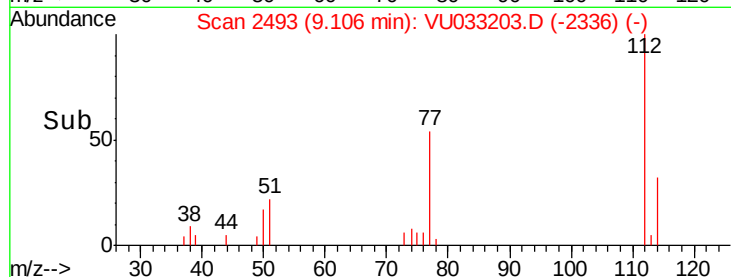
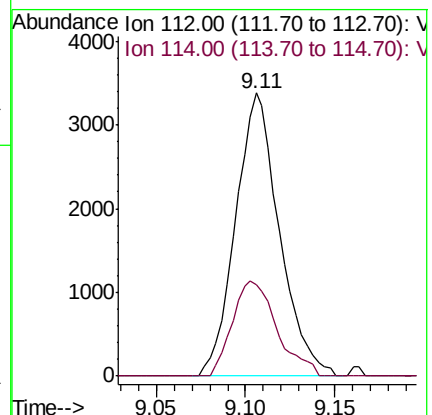
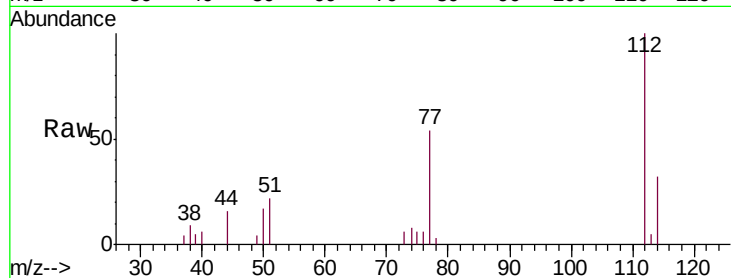
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:112 Resp: 5763

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7



#60

1,1,1,2-Tetrachloroethane

Concen: 0.263 ug/l

RT: 9.19 min Scan# 2520

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

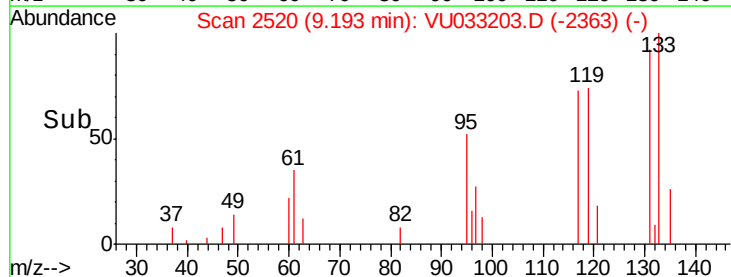
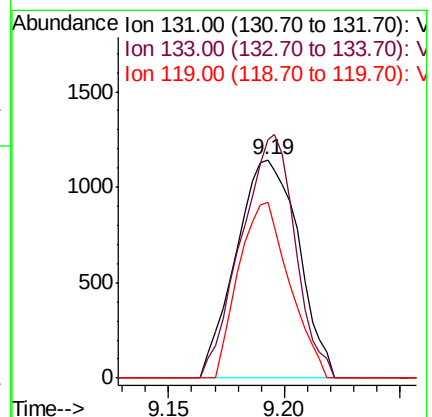
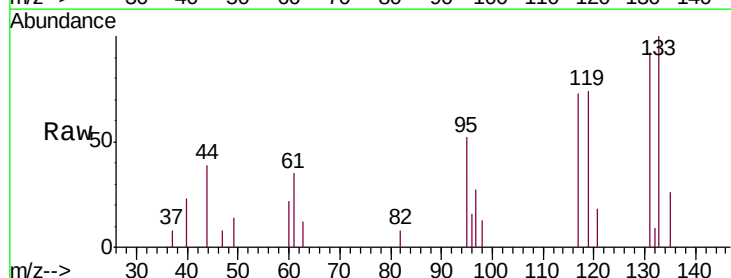
Tgt Ion:131 Resp: 2130

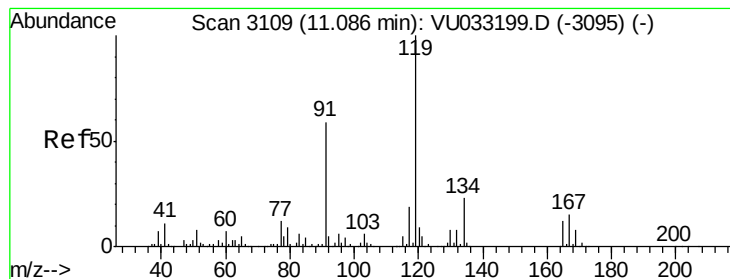
Ion Ratio Lower Upper

131 100

133 96.6 76.7 115.1

119 65.7 54.2 81.2





#61

Pentachloroethane

Concen: 0.276 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

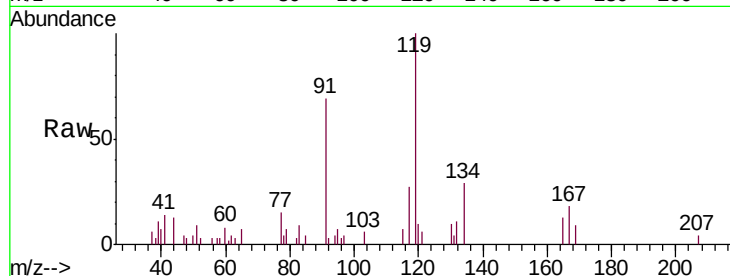
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:117 Resp: 1761

Ion Ratio Lower Upper

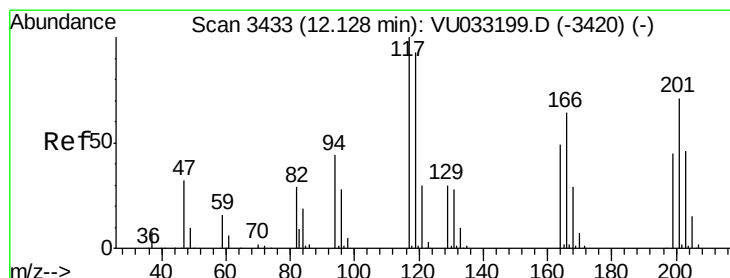
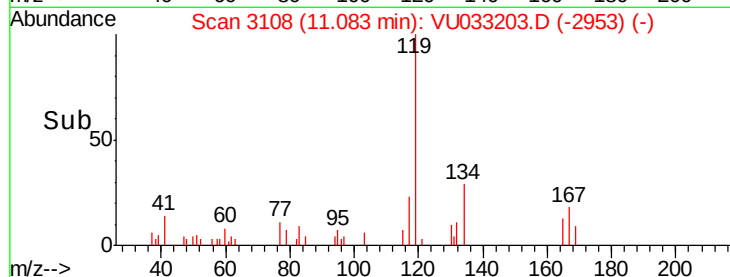
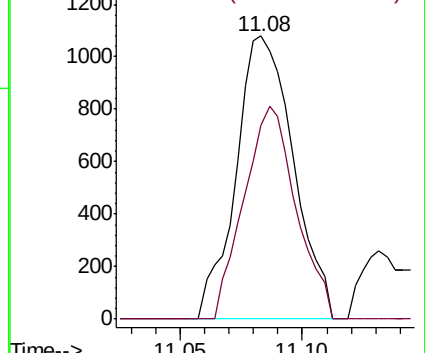
117 100

167 68.0 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: 0.248 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033203.D

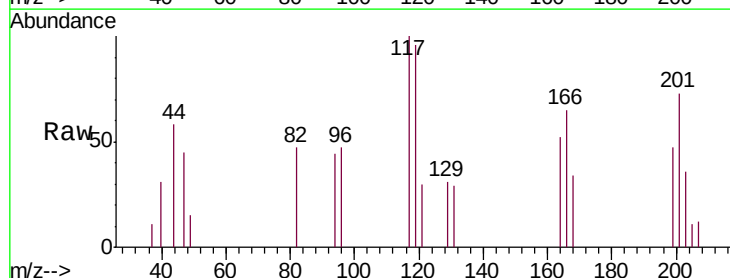
Acq: 11 Jul 2019 21:52

Tgt Ion:117 Resp: 1535

Ion Ratio Lower Upper

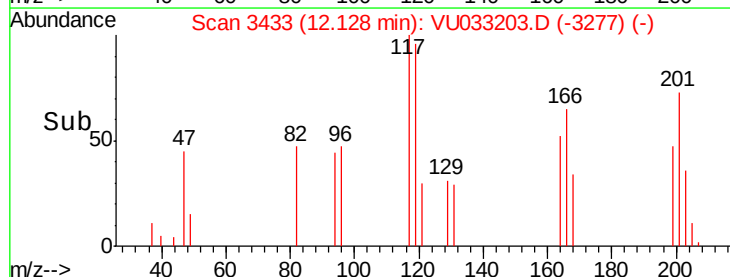
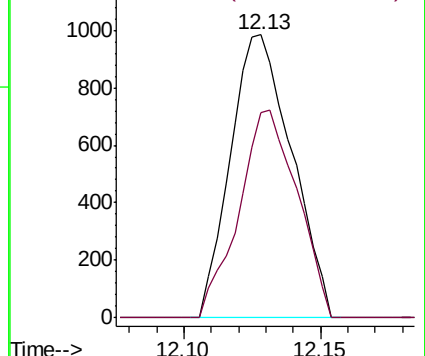
117 100

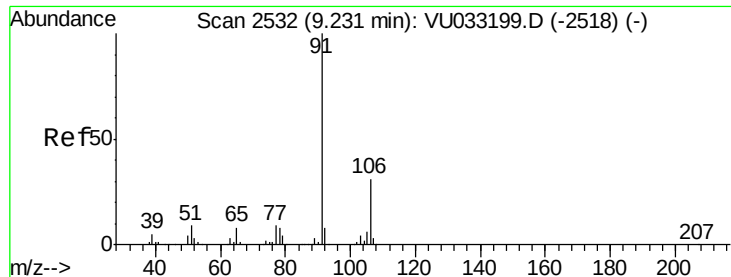
201 69.8 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

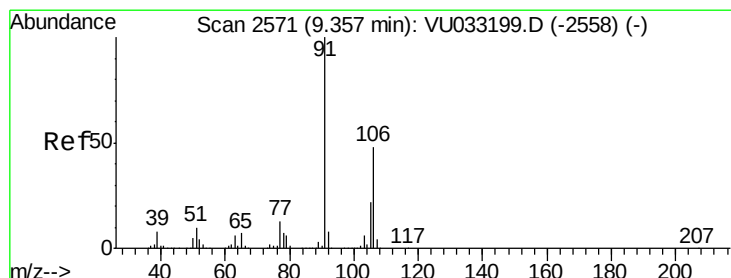
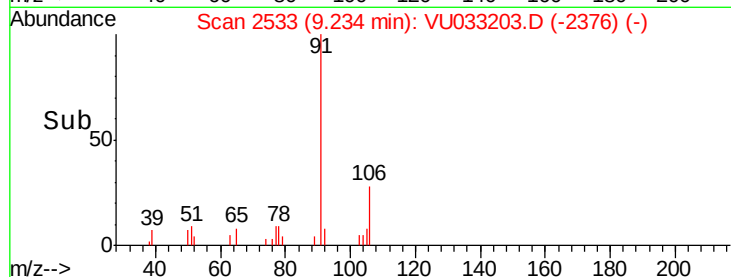
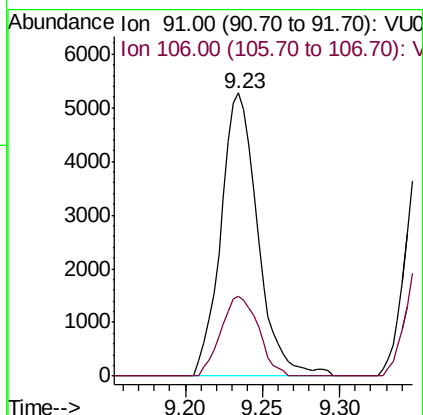
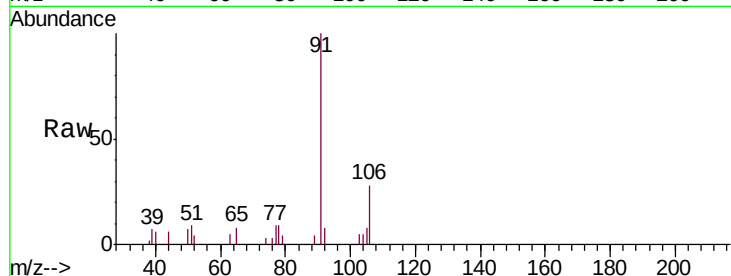




#63
Ethyl Benzene
Concen: 0.242 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

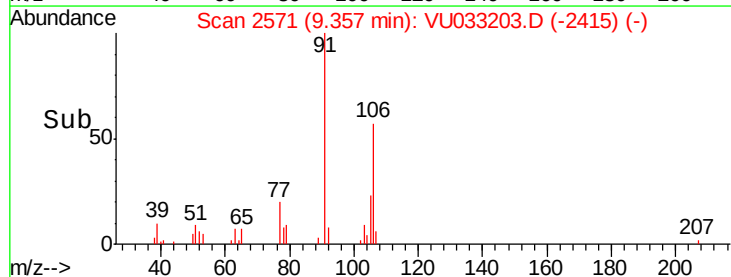
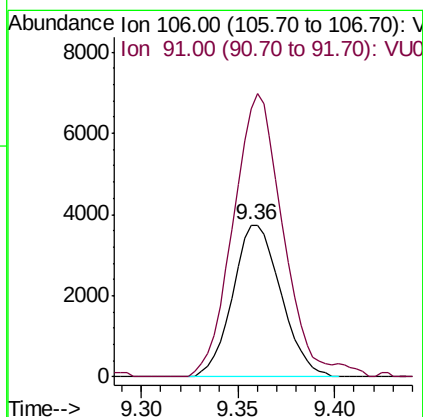
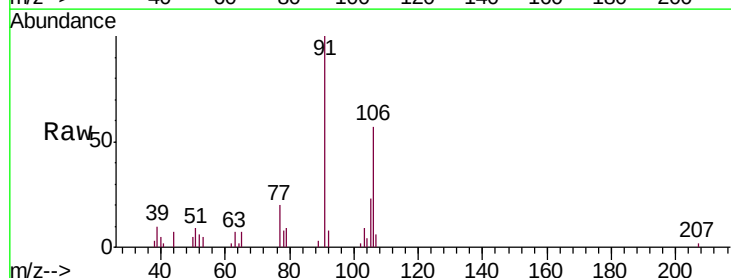
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

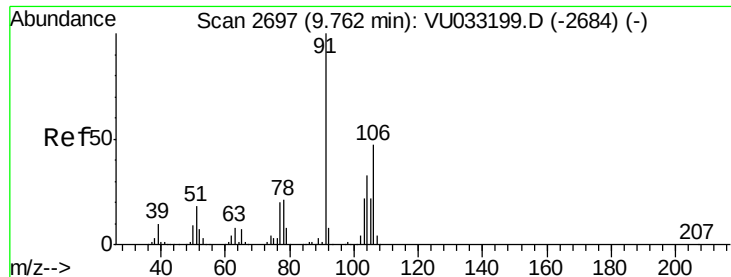
Tgt Ion: 91 Resp: 8703
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3



#64
m/p-Xylenes
Concen: 0.463 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 106 Resp: 6501
Ion Ratio Lower Upper
106 100
91 193.0 164.8 247.2

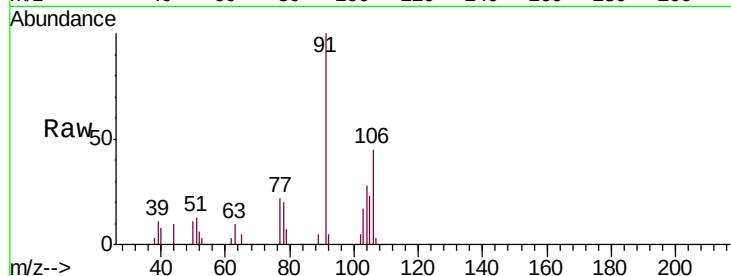




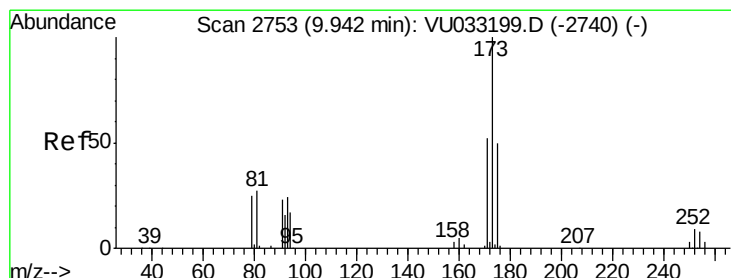
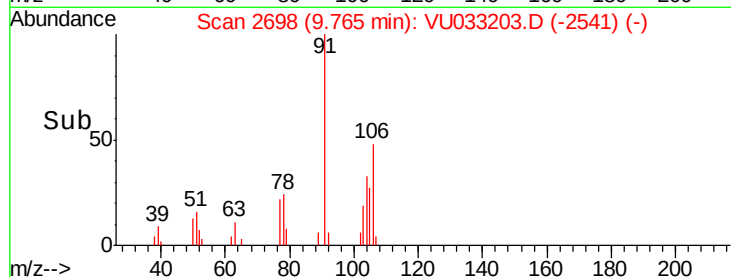
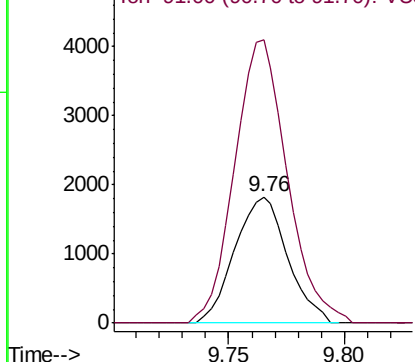
#65
o-Xylene
Concen: 0.212 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:106 Resp: 2891
Ion Ratio Lower Upper
106 100
91 223.9 108.6 325.8

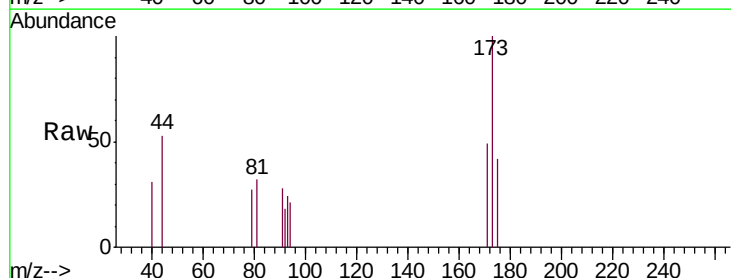


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

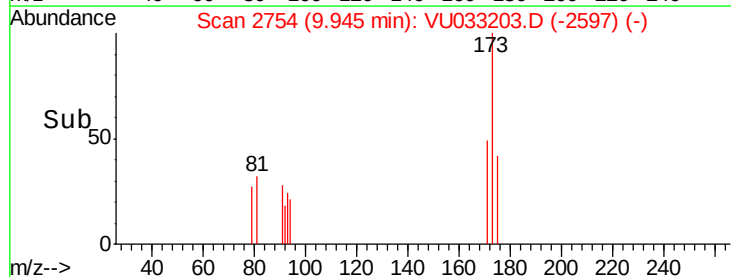
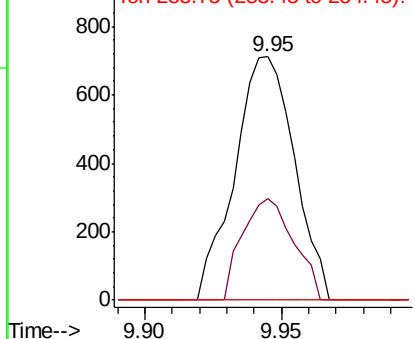


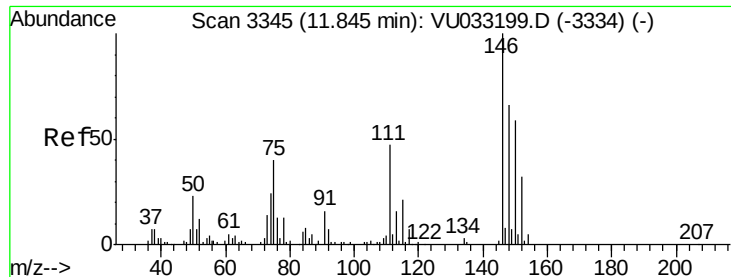
#67
Bromoform
Concen: 0.247 ug/l
RT: 9.95 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion:173 Resp: 1083
Ion Ratio Lower Upper
173 100
175 36.0 39.4 59.0#
254 0.0 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: 0.928 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

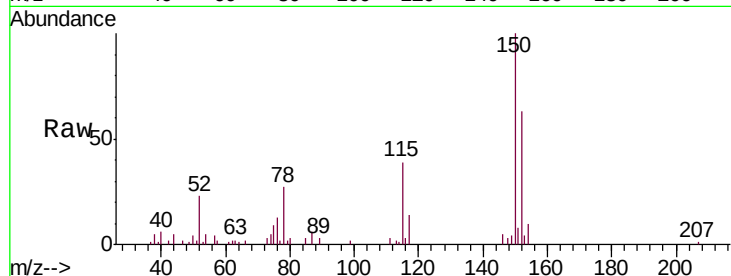
Tgt Ion:152 Resp: 10679

Ion Ratio Lower Upper

152 100

115 70.5 0.0 131.0

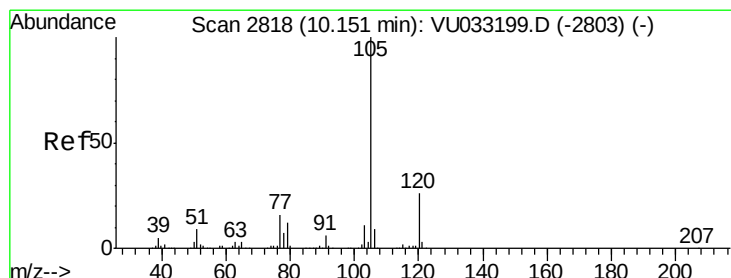
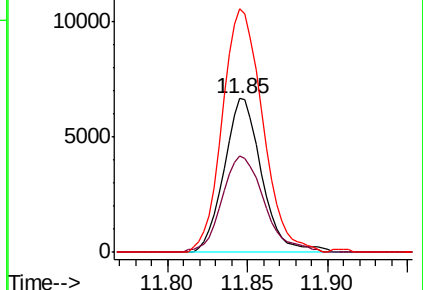
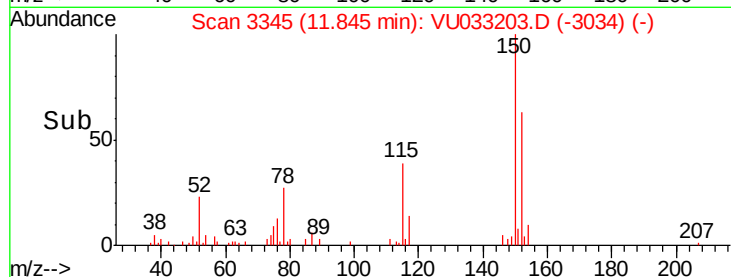
150 170.2 0.0 634.4



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: 0.225 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033203.D

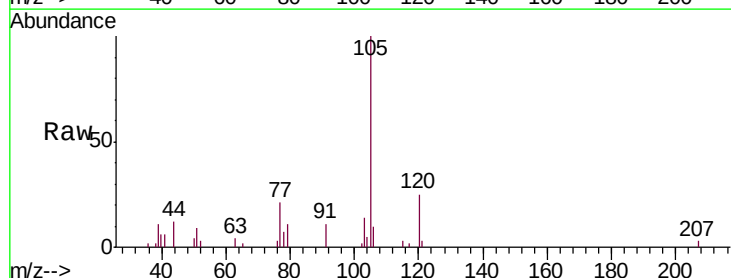
Acq: 11 Jul 2019 21:52

Tgt Ion:105 Resp: 7976

Ion Ratio Lower Upper

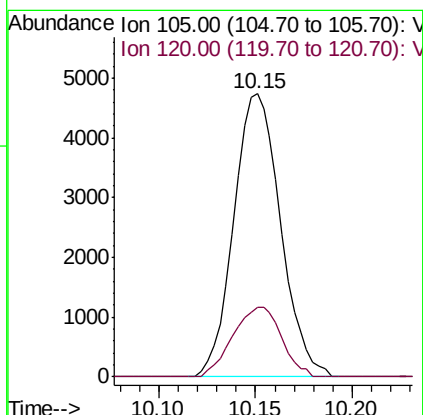
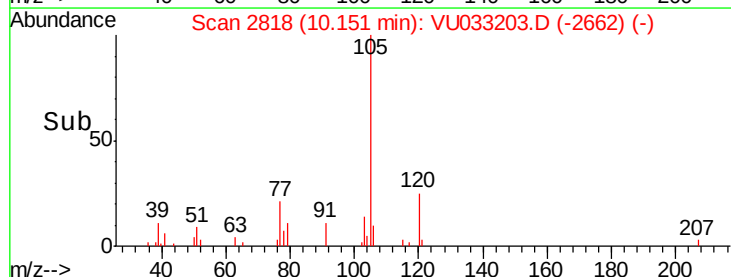
105 100

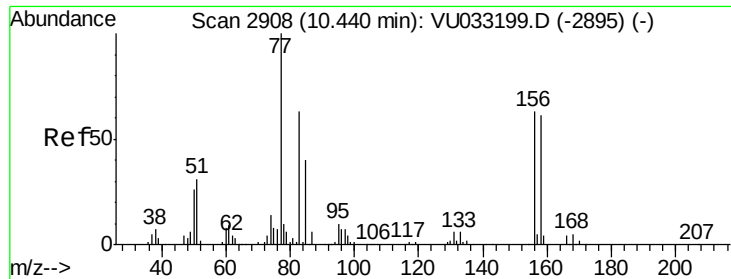
120 25.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.256 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

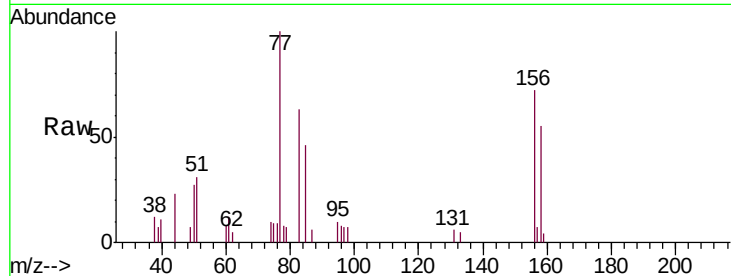
Tgt Ion: 83 Resp: 2318

Ion Ratio Lower Upper

83 100

131 7.1 8.0 12.0#

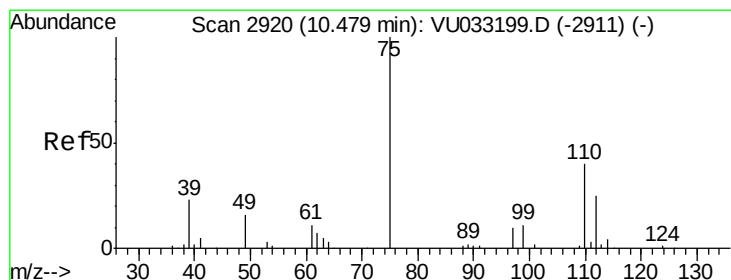
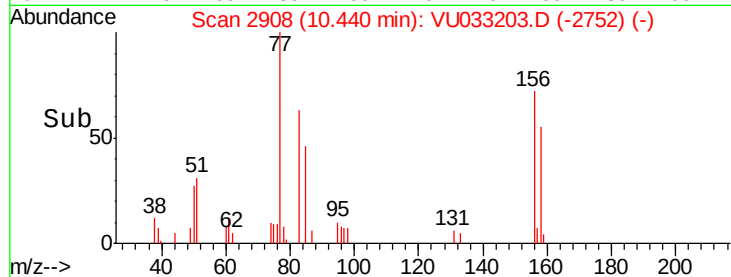
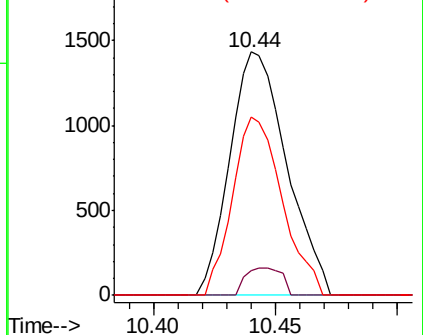
85 63.8 50.6 76.0



Abundance Ion 83.00 (82.70 to 83.70): VU033199.D (-2895) (-)

Ion 131.00 (130.70 to 131.70): VU033199.D (-2895) (-)

Ion 85.00 (84.70 to 85.70): VU033199.D (-2895) (-)



#71

1,2,3-Trichloropropane

Concen: 0.232 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion: 75 Resp: 1576

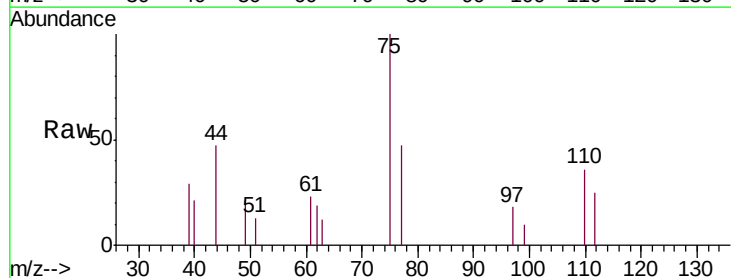
Ion Ratio Lower Upper

75 100

77 12.8 0.0 15.4

110 37.5 0.0 72.2

97 19.4 0.0 37.2

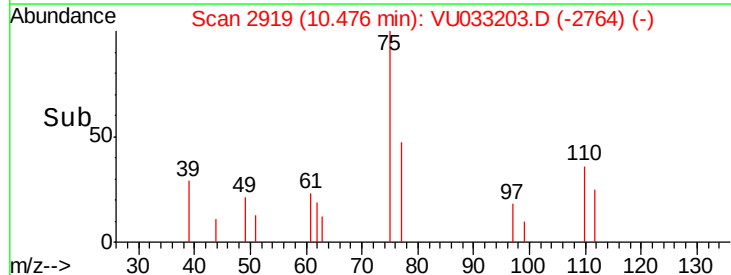
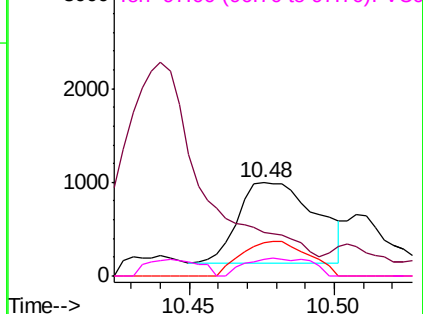


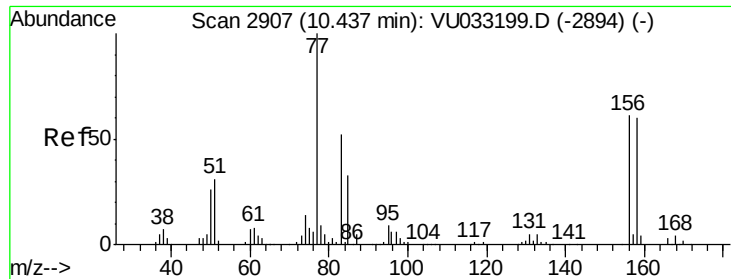
Abundance Ion 75.00 (74.70 to 75.70): VU033199.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-2911) (-)

Ion 110.00 (109.70 to 110.70): VU033199.D (-2911) (-)

Ion 97.00 (96.70 to 97.70): VU033199.D (-2911) (-)





#72

Bromobenzene

Concen: 0.279 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

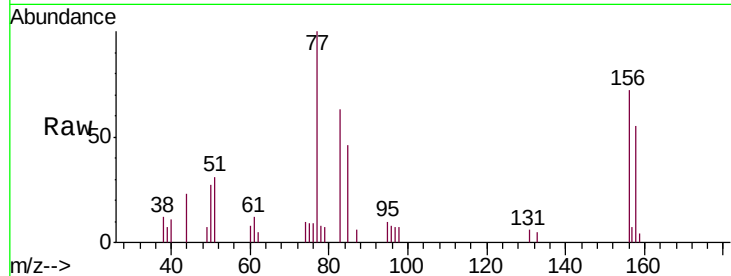
Tgt Ion:156 Resp: 2572

Ion Ratio Lower Upper

156 100

77 182.6 0.0 326.0

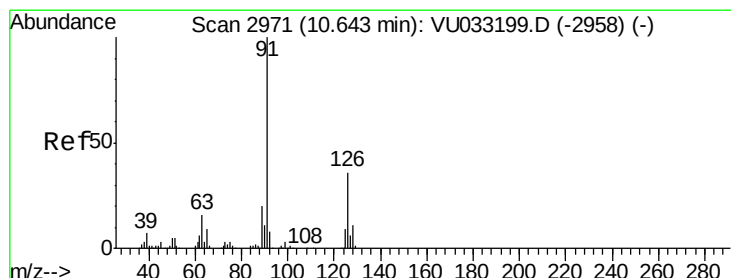
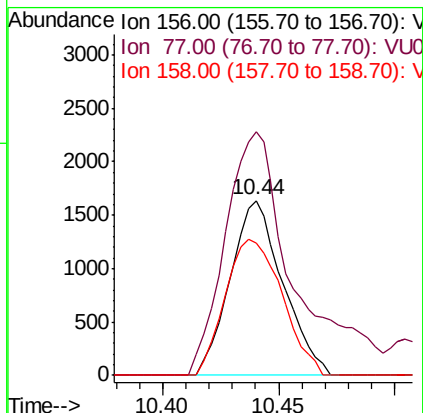
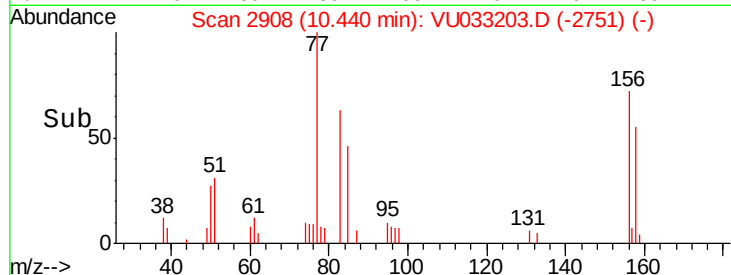
158 84.5 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#74

2-Chlorotoluene

Concen: 0.210 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033203.D

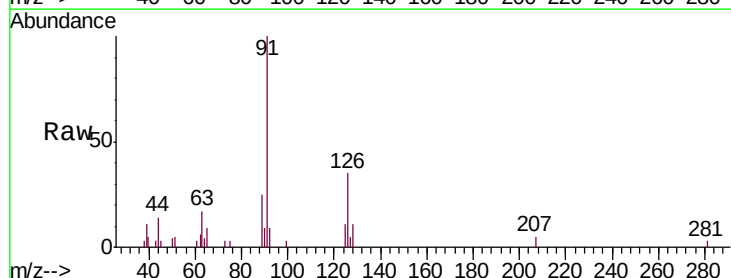
Acq: 11 Jul 2019 21:52

Tgt Ion:126 Resp: 1910

Ion Ratio Lower Upper

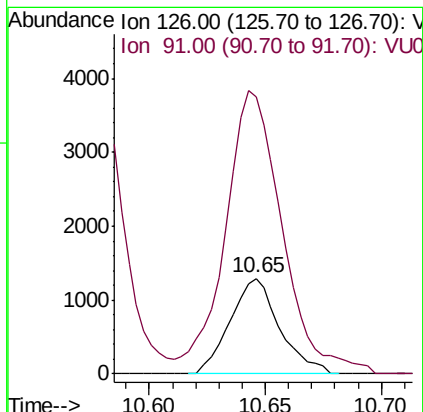
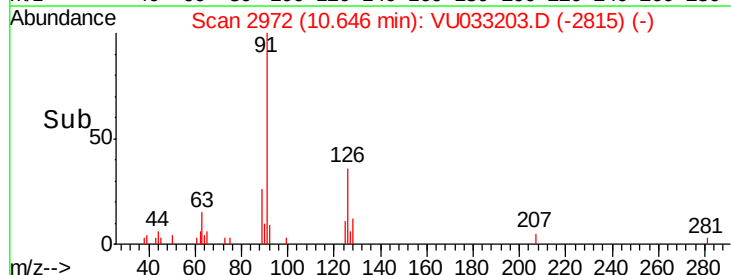
126 100

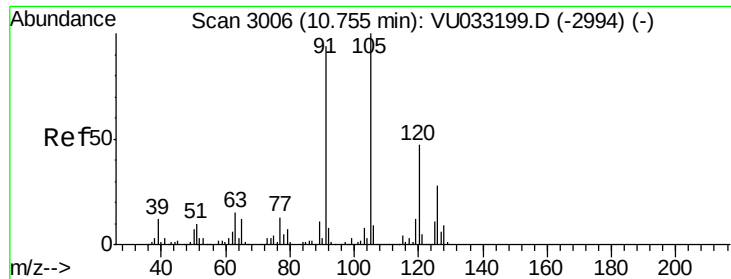
91 342.5 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

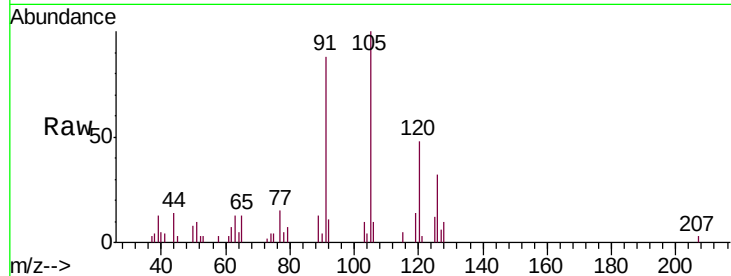
LOD-MDL-WATER-01-QT3-2019

Tgt Ion:105 Resp: 6736

Ion Ratio Lower Upper

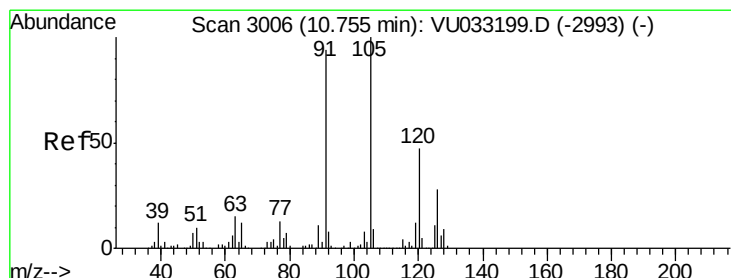
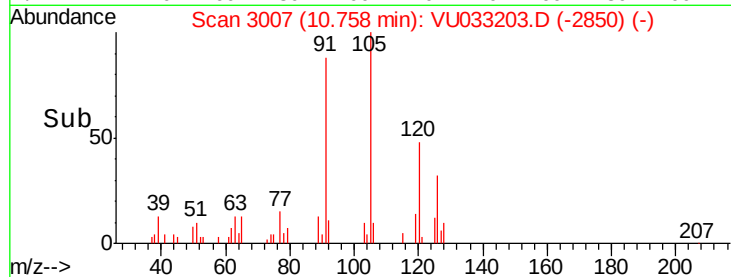
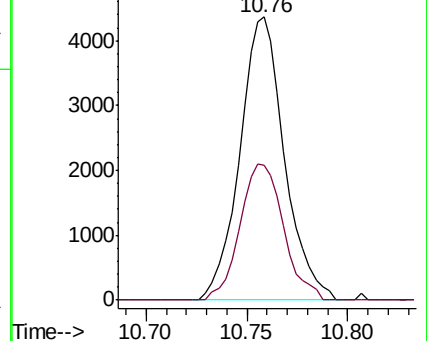
105 100

120 47.0 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: 0.229 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033203.D

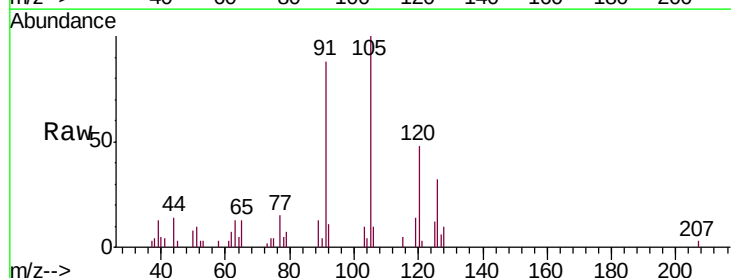
Acq: 11 Jul 2019 21:52

Tgt Ion:126 Resp: 2118

Ion Ratio Lower Upper

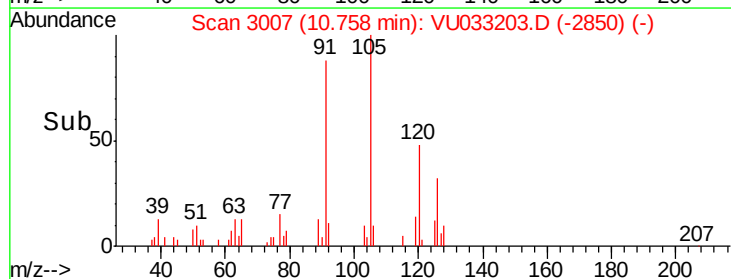
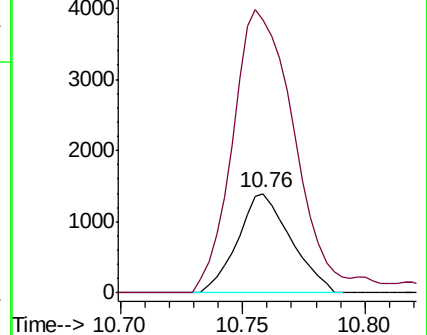
126 100

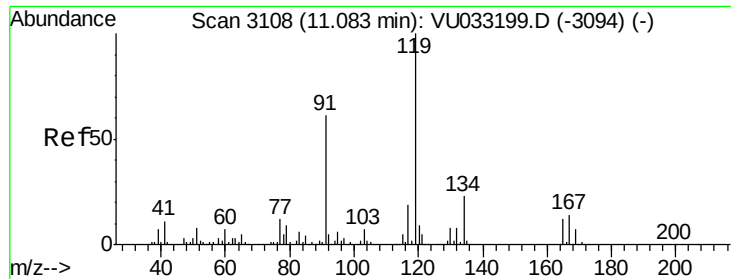
91 334.3 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

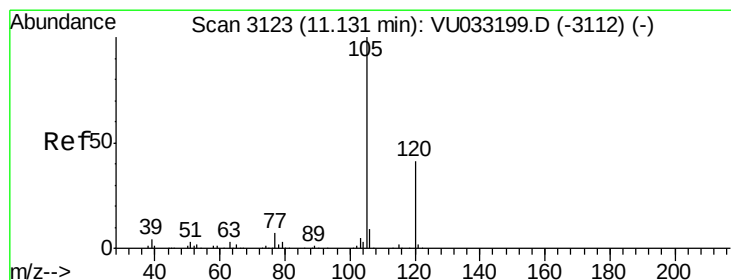
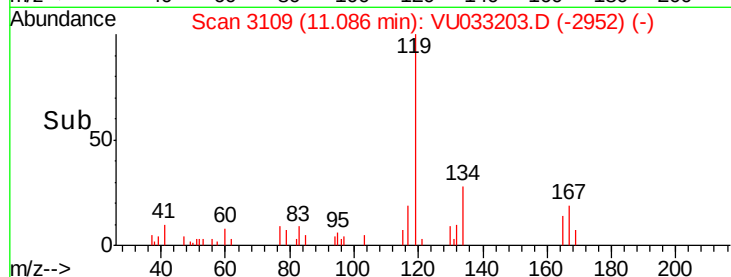
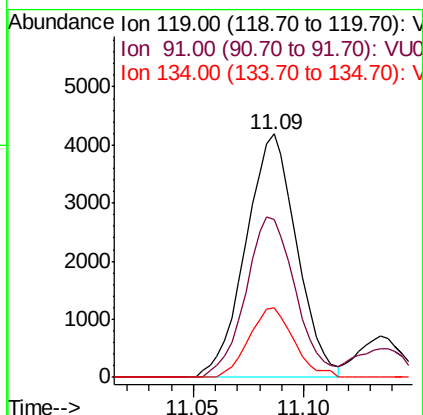
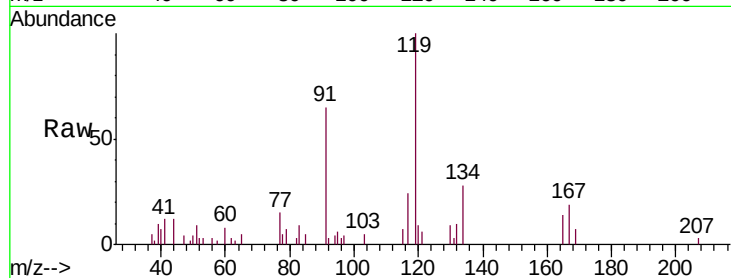




#77
 tert-Butylbenzene
 Concen: 0.226 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

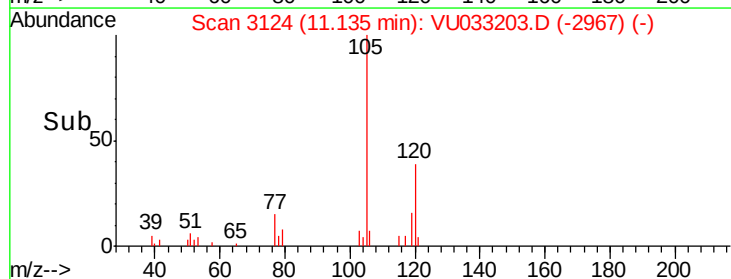
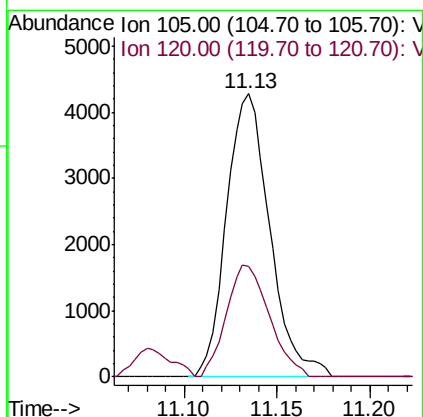
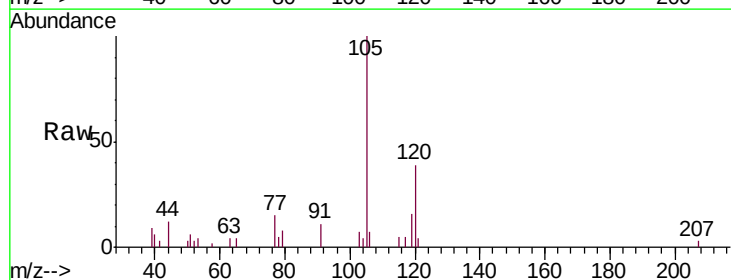
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

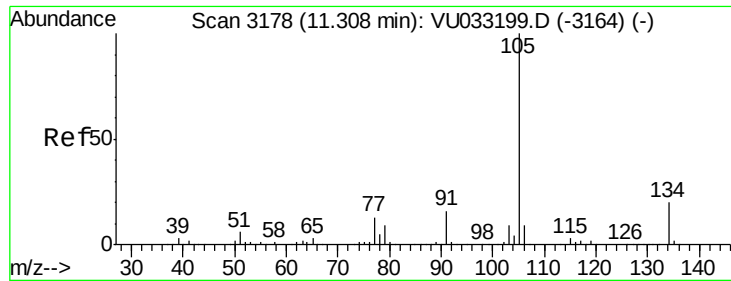
Tgt Ion:119 Resp: 6702
 Ion Ratio Lower Upper
 119 100
 91 64.6 29.8 89.5
 134 25.1 18.2 27.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.221 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion:105 Resp: 6946
 Ion Ratio Lower Upper
 105 100
 120 39.2 22.6 67.8





#79

sec-Butylbenzene

Concen: 0.210 ug/l

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

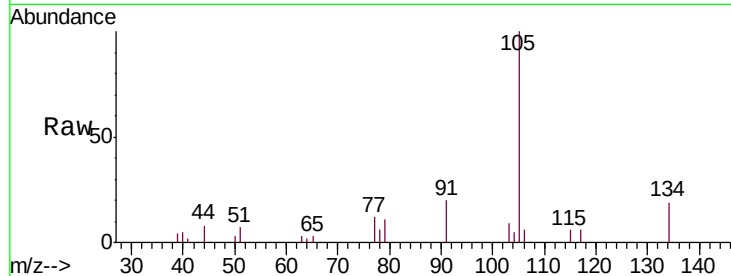
LOD-MDL-WATER-01-QT3-2019

Tgt Ion: 105 Resp: 8528

Ion Ratio Lower Upper

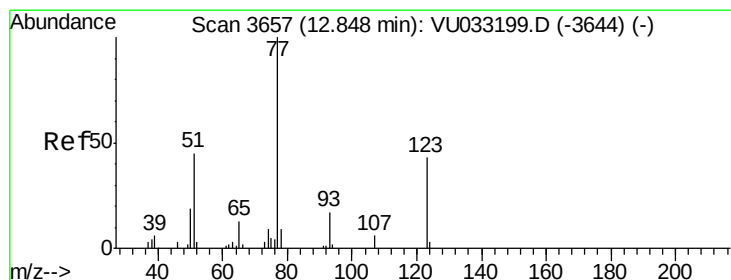
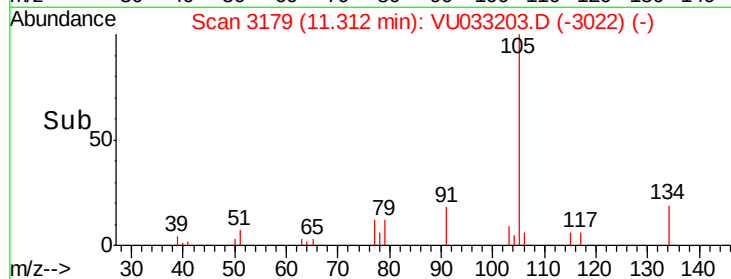
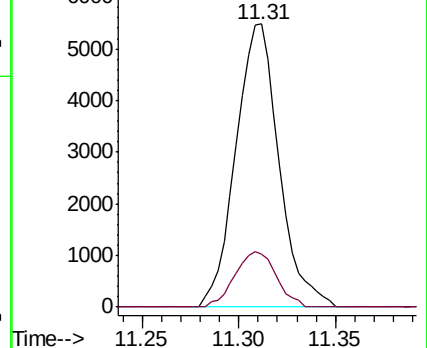
105 100

134 18.7 15.8 23.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.265 ug/l

RT: 12.86 min Scan# 3660

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

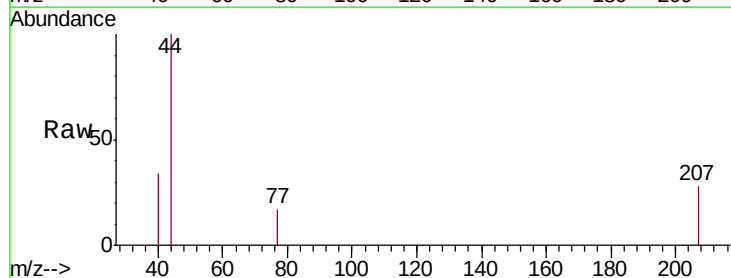
Tgt Ion: 77 Resp: 21

Ion Ratio Lower Upper

77 100

123 0.0 20.9 74.1#

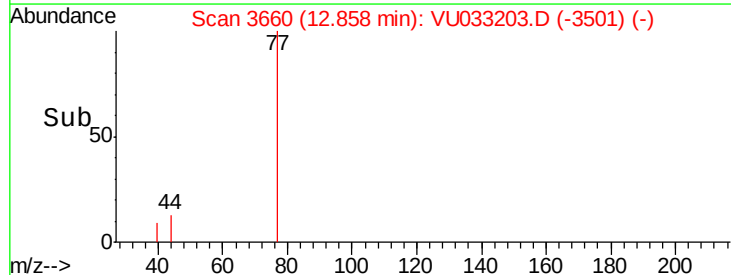
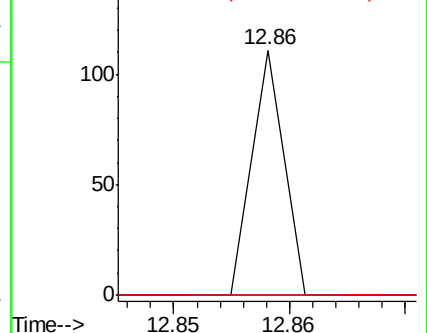
65 0.0 10.7 13.7#

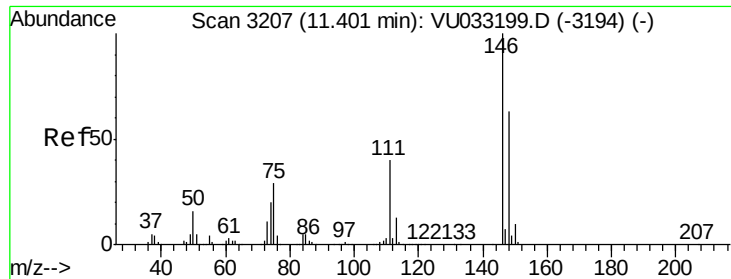


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

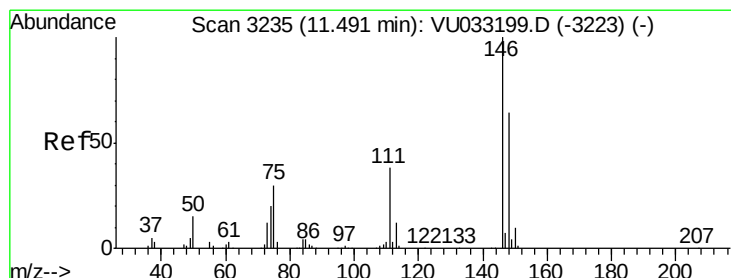
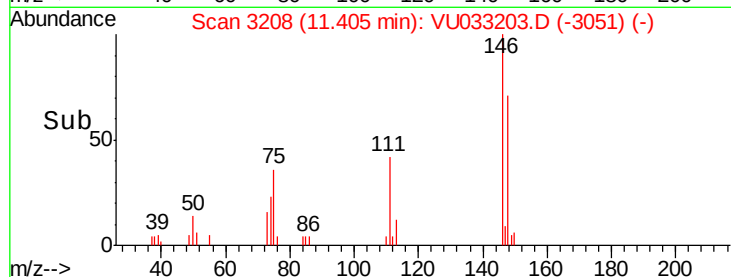
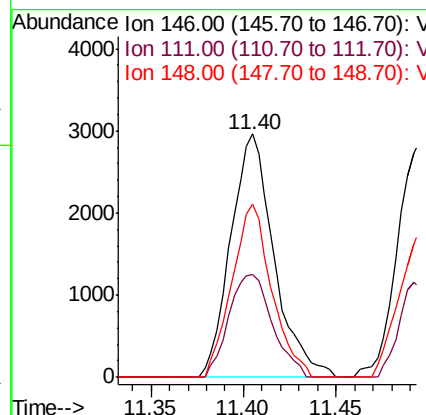
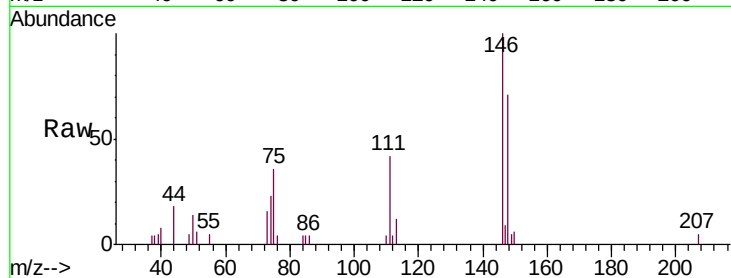




#82
 1,3-Dichlorobenzene
 Concen: 0.253 ug/l
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

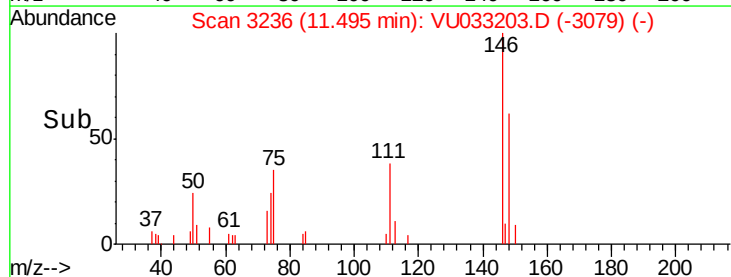
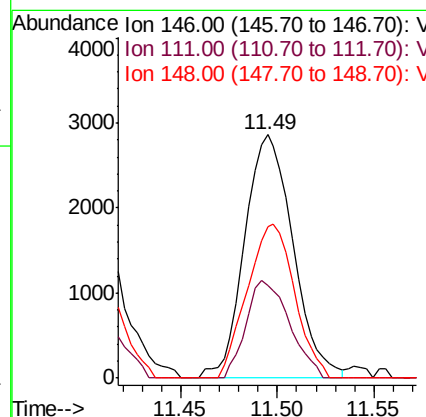
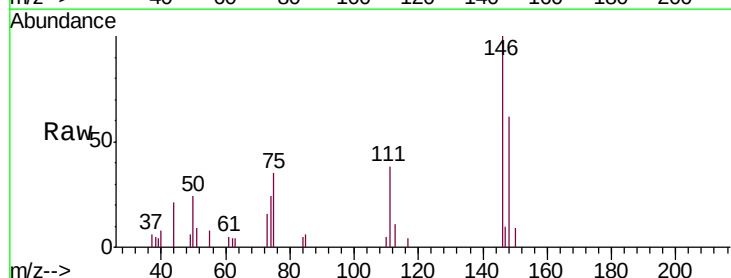
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

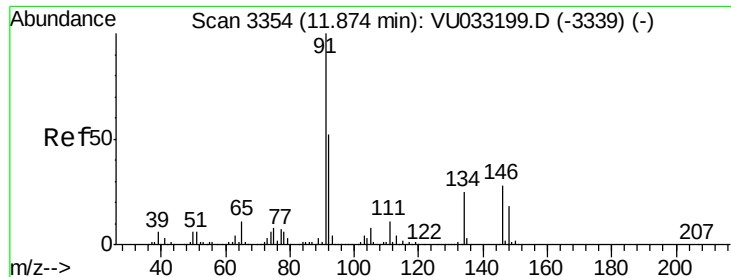
Tgt Ion:146 Resp: 4801
 Ion Ratio Lower Upper
 146 100
 111 42.4 32.2 48.4
 148 65.3 50.8 76.2



#83
 1,4-Dichlorobenzene
 Concen: 0.260 ug/l
 RT: 11.49 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion:146 Resp: 4973
 Ion Ratio Lower Upper
 146 100
 111 35.9 30.8 46.2
 148 61.9 50.6 76.0





#84

n-Butylbenzene

Concen: 0.225 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

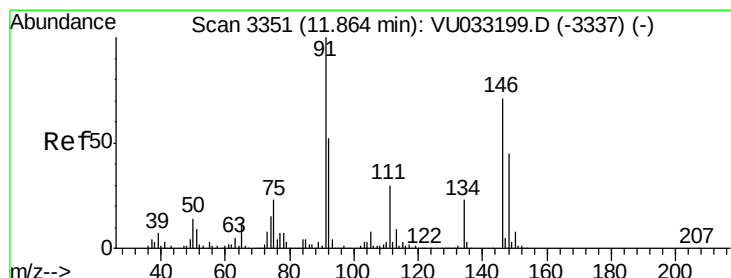
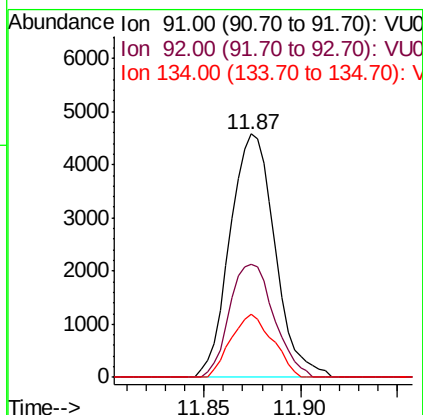
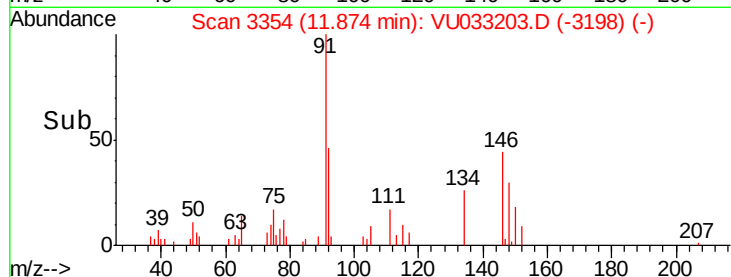
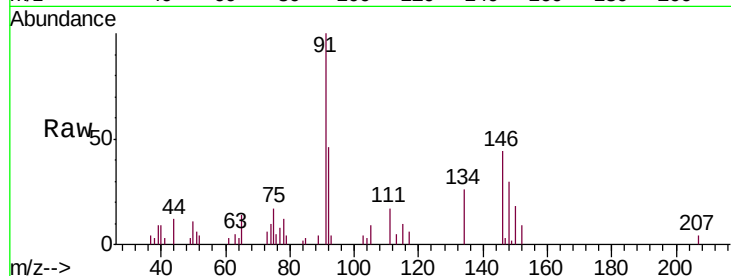
Tgt Ion: 91 Resp: 7398

Ion Ratio Lower Upper

91 100

92 46.1 41.5 62.3

134 24.0 19.6 29.4



#85

1,2-Dichlorobenzene

Concen: 0.258 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

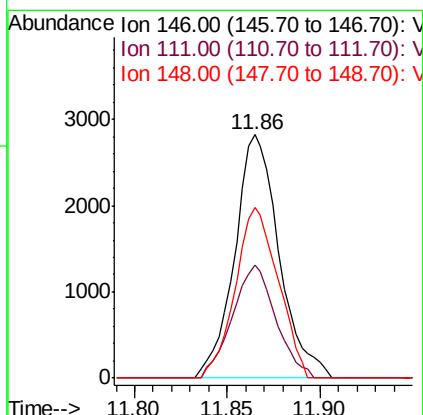
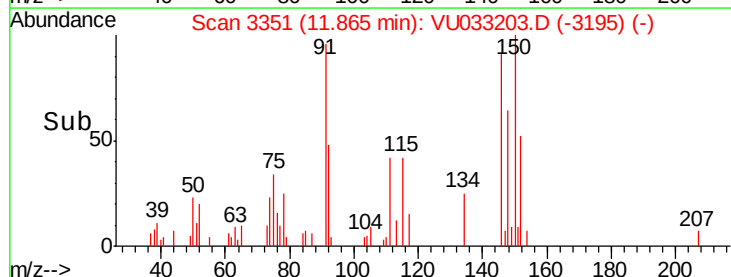
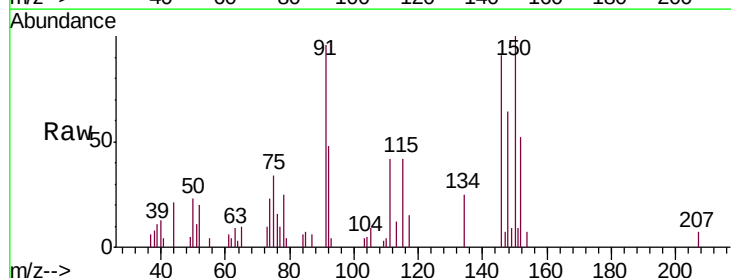
Tgt Ion: 146 Resp: 4695

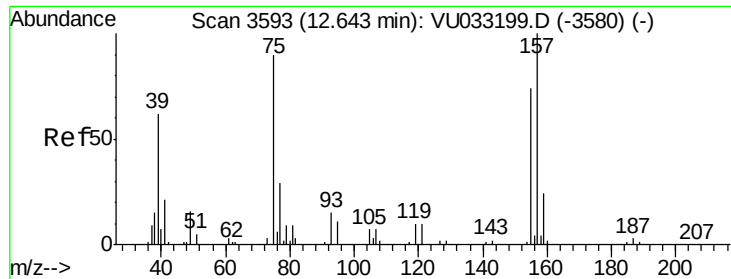
Ion Ratio Lower Upper

146 100

111 45.3 21.3 63.7

148 67.6 32.0 96.0

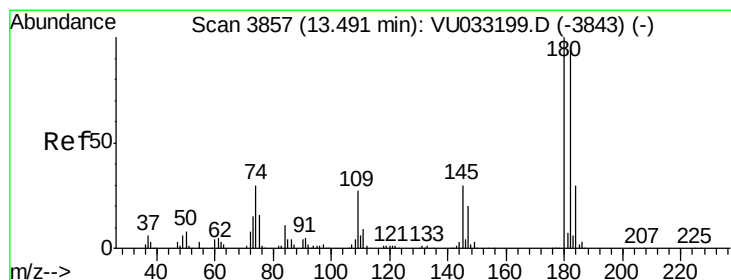
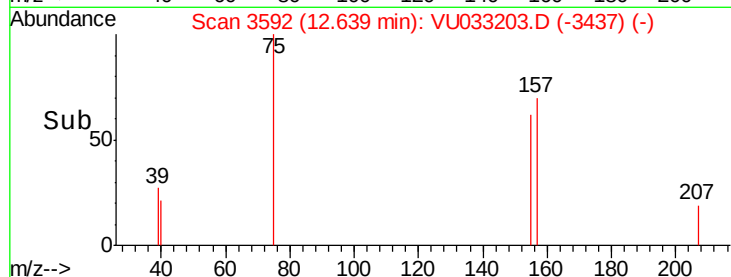
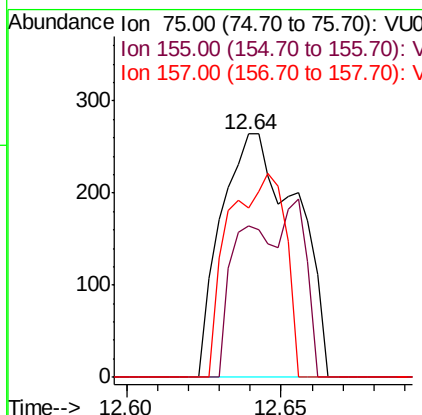
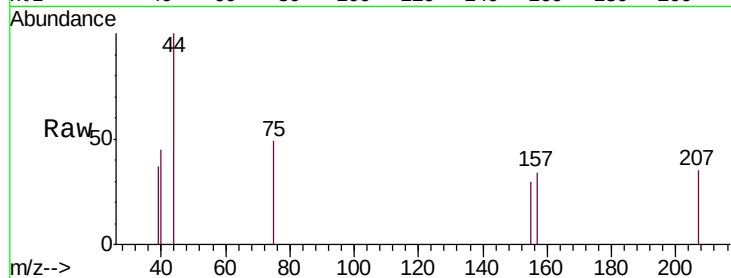




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.313 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

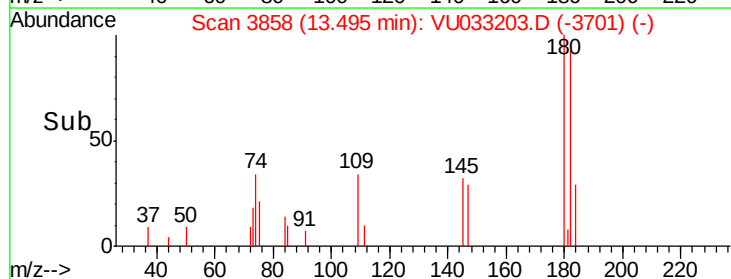
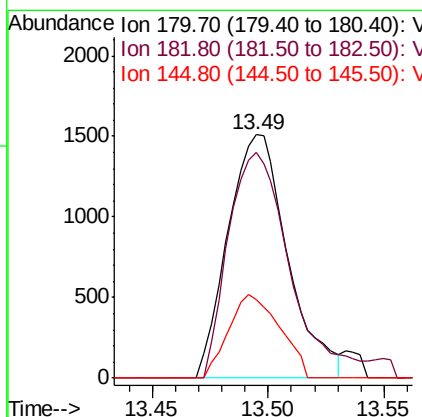
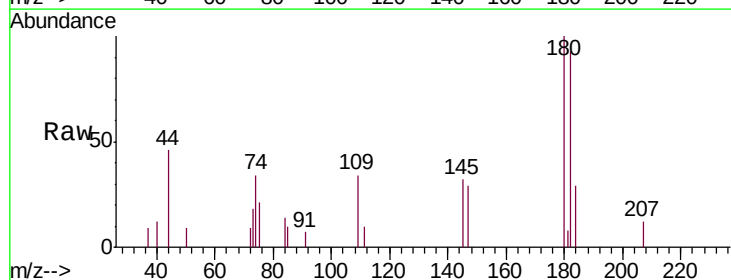
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

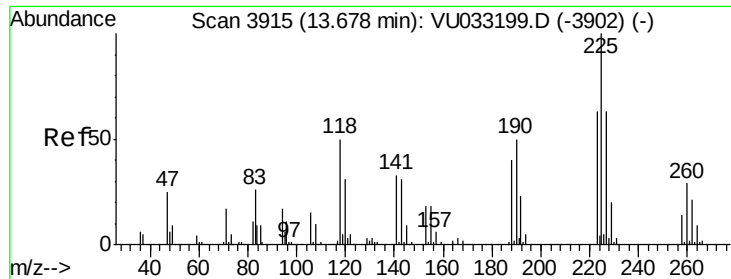
Tgt Ion: 75 Resp: 450
 Ion Ratio Lower Upper
 75 100
 155 38.0 60.6 90.8#
 157 62.7 82.5 123.7#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion: 180 Resp: 2712
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.2
 145 29.4 24.5 36.7





#88

Hexachlorobutadiene

Concen: 0.298 ug/l

RT: 13.68 min Scan# 3916

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

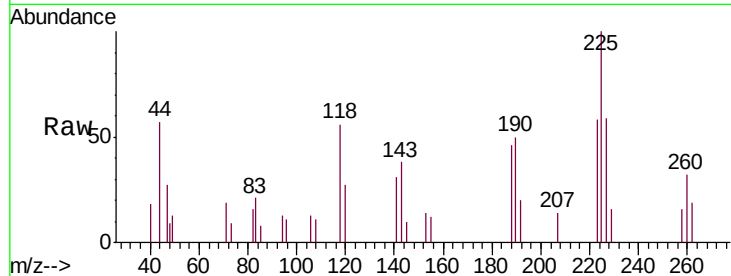
Tgt Ion:225 Resp: 1930

Ion Ratio Lower Upper

225 100

223 61.0 51.1 76.7

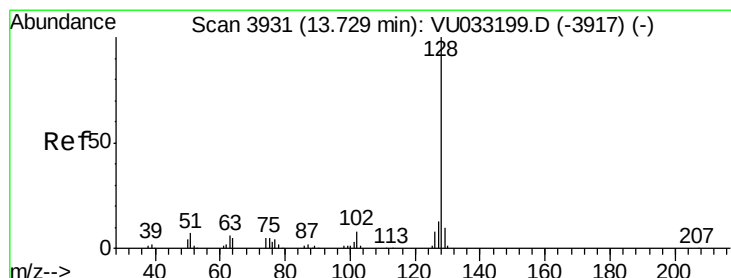
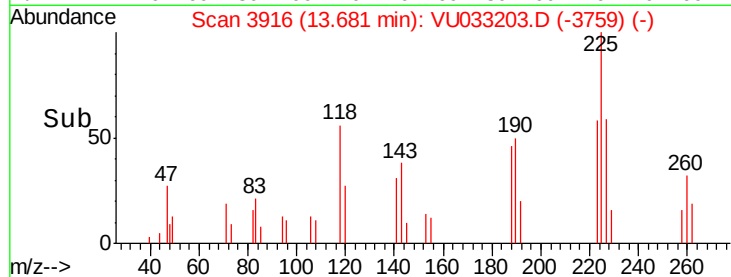
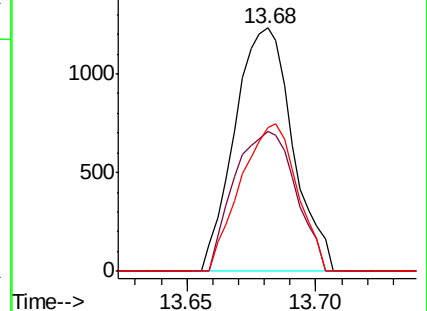
227 59.1 51.2 76.8



Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.707 ug/l

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

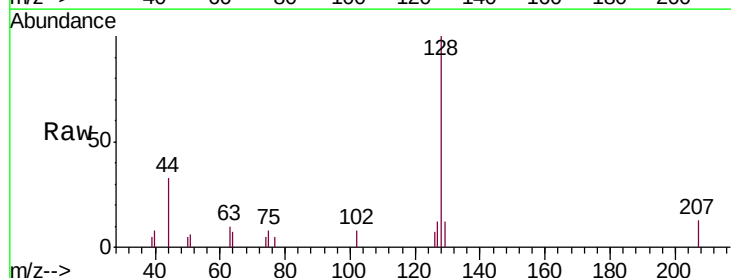
Tgt Ion:128 Resp: 4571

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

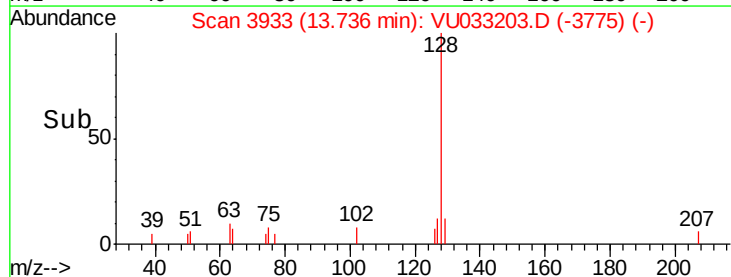
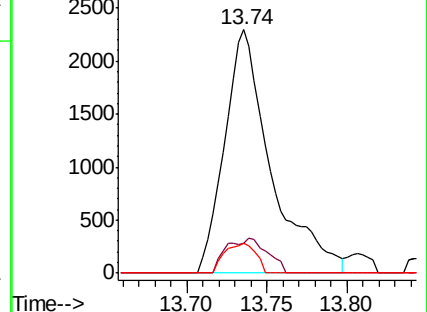
129 8.1 8.6 12.8#

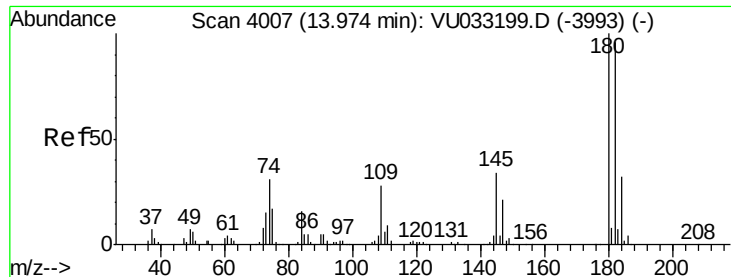


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.2	114.4
145	29.2	26.6	40.0

