

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025636.D
 Acq On : 25 Jul 2018 17:28
 Operator : MD/SY
 Sample : J3762-07 LOD-MDL 0.25PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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Quant Time: Jul 26 03:41:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 12:16:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	43089	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14673	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.87	152	17115	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	3916	0.255	ug/l 85
3) Chloromethane	1.34	50	3622	0.249	ug/l 90
4) Vinyl Chloride	1.40	62	3835	0.285	ug/l 97
5) Bromomethane	1.63	94	1571	0.240	ug/l 99
6) Chloroethane	1.70	64	2086	0.259	ug/l # 84
7) Trichlorofluoromethane	1.89	101	5261	0.268	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3087	0.287	ug/l 93
9) 1,1-Dichloroethene	2.29	96	2699	0.284	ug/l 91
10) Iodomethane	2.41	142	922	0.928	ug/l 99
11) Allyl Chloride	2.60	41	4295	0.270	ug/l 85
12) Acrylonitrile	2.95	53	1323	0.632	ug/l 90
13) Acetone	2.34	43	3432	1.884	ug/l 95
14) Carbon Disulfide	2.48	76	9151	0.282	ug/l 97
15) Methylene Chloride	2.71	84	3760	0.332	ug/l 83
16) trans-1,2-Dichloroethene	2.98	96	2932	0.275	ug/l 97
17) 1,1-Dichloroethane	3.45	63	5231	0.248	ug/l # 95
18) 2-Butanone	4.30	43	5417	1.714	ug/l 98
19) Cyclohexane	4.99	56	4462	0.274	ug/l 96
20) Methylcyclohexane	6.42	83	4759	0.238	ug/l 99
21) 2,2-Dichloropropane	4.23	77	6231	0.309	ug/l # 81
22) cis-1,2-Dichloroethene	4.23	96	4037	0.301	ug/l 95
23) Diethyl Ether	2.10	59	1864	0.259	ug/l # 77
24) tert-Butyl Alcohol	2.86	59	2903	3.435	ug/l # 94
25) Methyl tert-Butyl Ether	3.01	73	7031	0.274	ug/l 96
26) Bromochloromethane	4.56	128	1532	0.259	ug/l 80
27) Chloroform	4.68	83	6248	0.269	ug/l 100
28) 1,1,1-Trichloroethane	4.92	97	5307	0.253	ug/l 97
29) 1,1-Dichloropropene	5.14	75	4347	0.253	ug/l 97
30) Carbon Tetrachloride	5.13	117	4834	0.254	ug/l 95
31) Isopropyl Ether	3.58	45	9474	0.280	ug/l 98
32) Ethyl-t-butyl ether	4.09	59	8758	0.272	ug/l 94
33) Tert-Amyl methyl ether	5.59	73	7318	0.258	ug/l # 81
34) Propionitrile	4.35	54	1129	1.286	ug/l # 68
35) Benzene	5.39	78	12098	0.252	ug/l 96
36) 1,2-Dichloroethane	5.41	62	3577	0.243	ug/l 96
37) Trichloroethene	6.19	130	4032	0.285	ug/l 97
38) 1,2-Dichloropropane	6.44	63	3060	0.246	ug/l 99
39) Methacrylonitrile	4.56	41	1107	0.274	ug/l # 56
40) Methyl acrylate	4.44	55	1591	0.261	ug/l # 70
41) Tetrahydrofuran	4.66	42	1340	0.561	ug/l # 80
42) 1-Chlorobutane	5.07	56	5813	0.248	ug/l 90

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Manual Integrations
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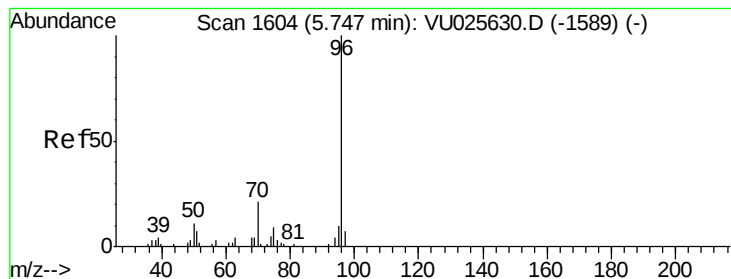
apatel
 7/26/2018 4:27:21 PM

Quant Time: Jul 26 03:41:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 12:16:36 2018
 Response via : Initial Calibration

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

43) Dibromomethane	6.56	93	1640	0.252	ug/l	91
44) Bromodichloromethane	6.76	83	4399	0.267	ug/l #	85
45) 4-Methyl-2-Pentanone	7.47	43	9802	1.352	ug/l	94
46) t-1,4-Dichloro-2-butene	10.51	75	1489m	1.946	ug/l	
47) Methyl methacrylate	6.63	69	2630	0.484	ug/l	93
48) Ethyl methacrylate	8.03	69	2420	0.222	ug/l	95
49) Toluene	7.64	92	7311	0.249	ug/l	99 apatel
50) t-1,3-Dichloropropene	7.89	75	3683	0.248	ug/l	93
51) cis-1,3-Dichloropropene	7.27	75	4634	0.260	ug/l #	84
52) 1,1,2-Trichloroethane	8.07	97	2352	0.270	ug/l	92
53) 1,3-Dichloropropane	8.25	76	3636	0.247	ug/l	99
54) 2-Hexanone	8.37	43	6444	1.258	ug/l	92 7/26/2018 4:27:21 PM
55) Dibromochloromethane	8.48	129	2596	0.234	ug/l	95
56) 1,2-Dibromoethane	8.60	107	2104	0.249	ug/l	98
58) Tetrachloroethene	8.23	164	3742	0.294	ug/l	89
59) Chlorobenzene	9.12	112	8882	0.263	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.21	131	3177	0.254	ug/l	93
61) Pentachloroethane	11.10	117	2401	0.251	ug/l	94
62) Hexachloroethane	12.15	117	2149	0.220	ug/l	96
63) Ethyl Benzene	9.26	91	13050	0.233	ug/l	100
64) m/p-Xylenes	9.38	106	9892	0.448	ug/l	95
65) o-Xylene	9.78	106	5042	0.240	ug/l	89
66) Styrene	9.80	104	8281	0.232	ug/l	100
67) Bromoform	9.96	173	1471	0.225	ug/l #	84
69) Isopropylbenzene	10.17	105	13101	0.231	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	2453	0.224	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	1985m	0.233	ug/l	
72) Bromobenzene	10.45	156	3526	0.239	ug/l	96
73) n-propylbenzene	10.59	120	3400	0.212	ug/l	98
74) 2-Chlorotoluene	10.66	126	3193	0.227	ug/l	99
75) 1,3,5-Trimethylbenzene	10.78	105	10700	0.216	ug/l	96
76) 4-Chlorotoluene	10.78	126	3229	0.218	ug/l	97
77) tert-Butylbenzene	11.10	119	10937	0.224	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	11231	0.222	ug/l	96
79) sec-Butylbenzene	11.33	105	14557	0.227	ug/l	99
80) Nitrobenzene	12.87	77	493	1.479	ug/l #	40
81) p-Isopropyltoluene	11.48	119	11787	0.216	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	7366	0.243	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	8408	0.284	ug/l	94
84) n-Butylbenzene	11.89	91	11784	0.230	ug/l	94
85) 1,2-Dichlorobenzene	11.88	146	7303	0.264	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.66	75	398	0.220	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.51	180	6168	0.320	ug/l	98
88) Hexachlorobutadiene	13.70	225	2918	0.246	ug/l	96
89) Naphthalene	13.75	128	7436	0.238	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	4412	0.250	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

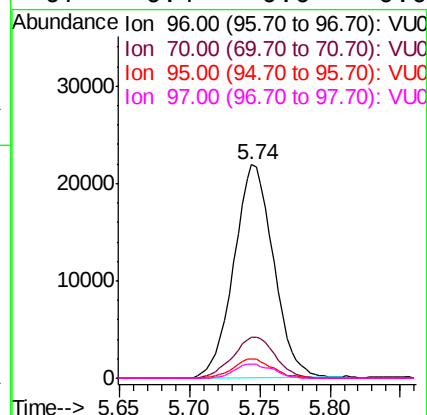
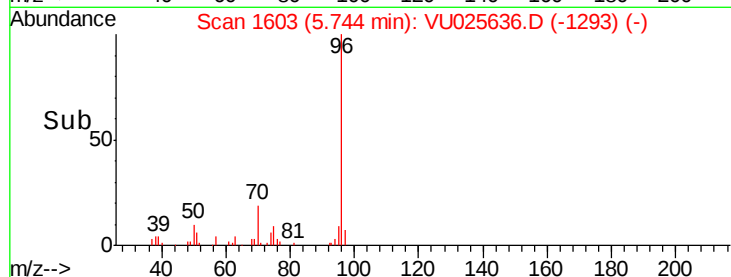
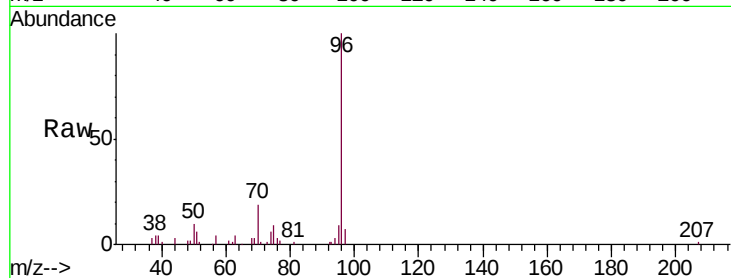
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	96	Resp:	43089
Ion	Ratio	Lower	Upper
96	100		
70	20.5	16.2	24.4
95	8.9	6.9	10.3
97	6.4	0.0	0.0#

Manual Integrations
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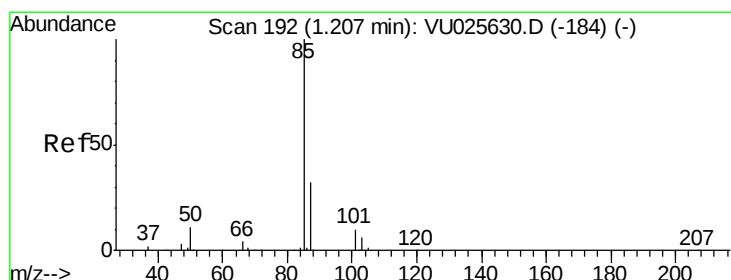
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#2

Dichlorodifluoromethane

Concen: 0.255 ug/l

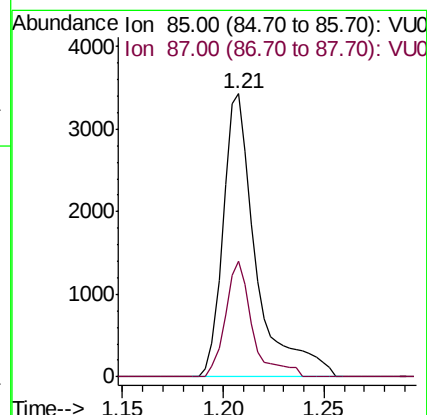
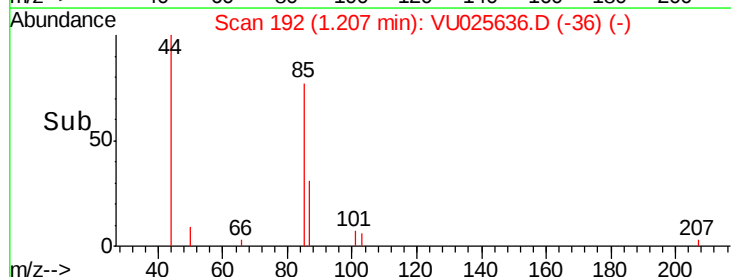
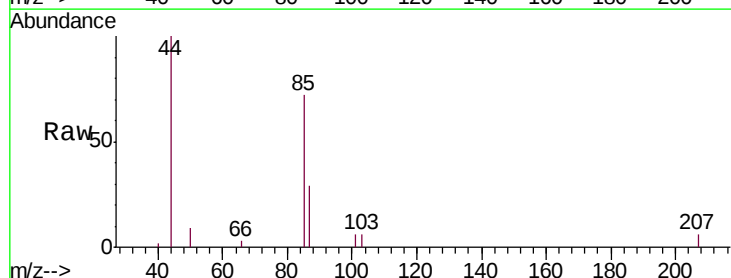
RT: 1.21 min Scan# 192

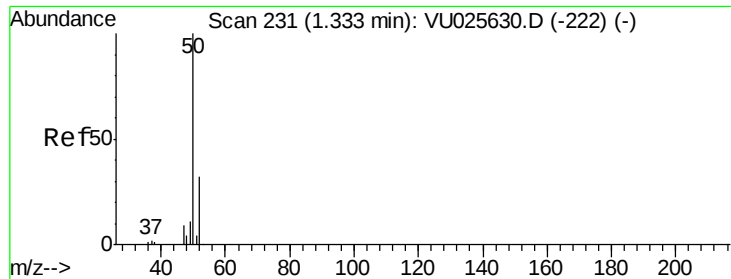
Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	85	Resp:	3916
Ion	Ratio	Lower	Upper
85	100		
87	40.8	16.2	48.5





#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.34 min Scan# 232

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 3622

Ion Ratio Lower Upper

50 100

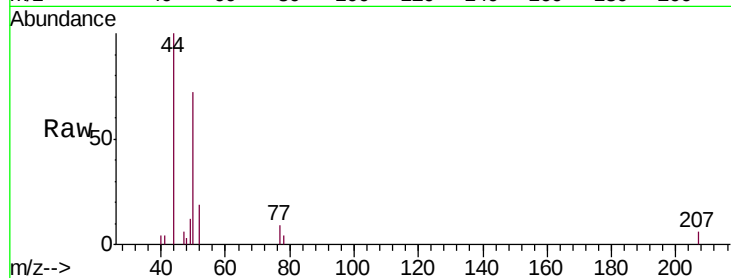
52 27.2 26.0 39.0

Manual Integrations

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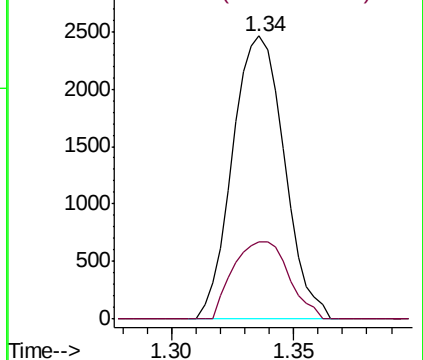
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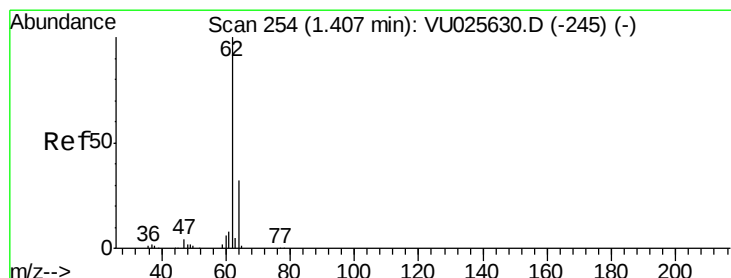
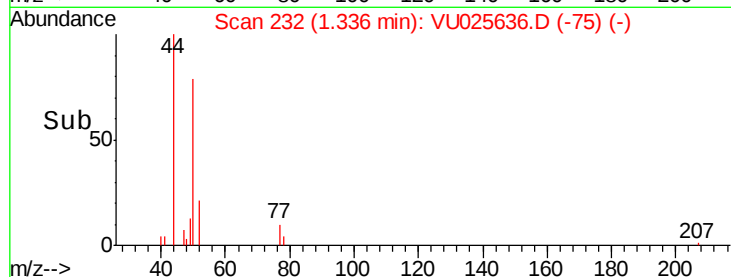
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 0.285 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025636.D

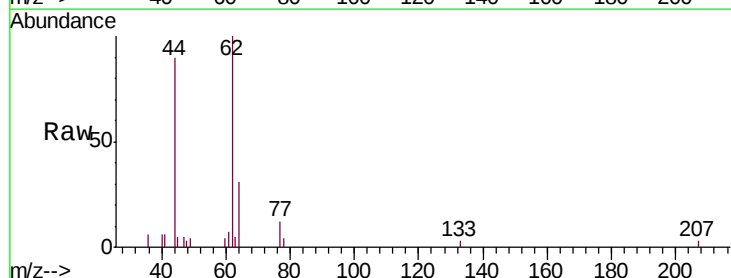
Acq: 25 Jul 2018 17:28

Tgt Ion: 62 Resp: 3835

Ion Ratio Lower Upper

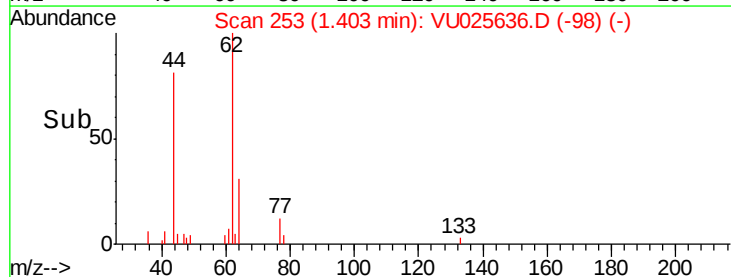
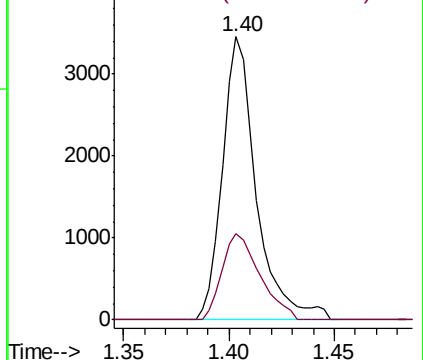
62 100

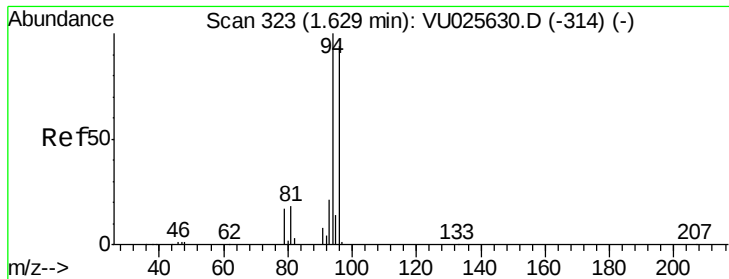
64 30.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.240 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 1571

Ion Ratio Lower Upper

94 100

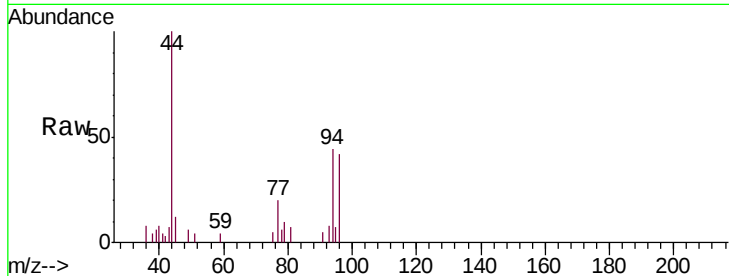
96 94.4 75.1 112.7

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1500

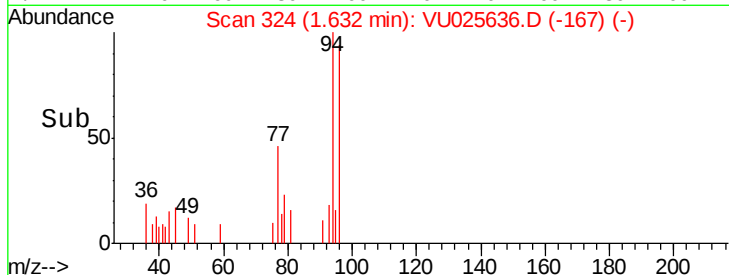
1000

500

0

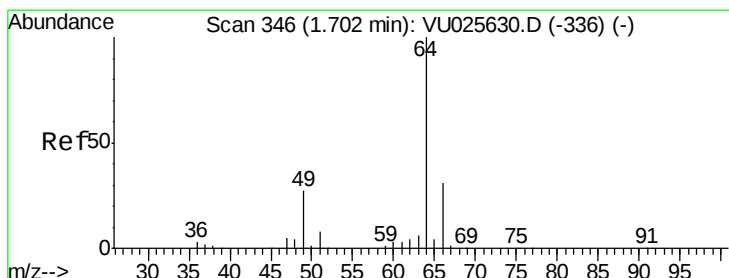
1.60 1.65

Time-->



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#6

Chloroethane

Concen: 0.259 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025636.D

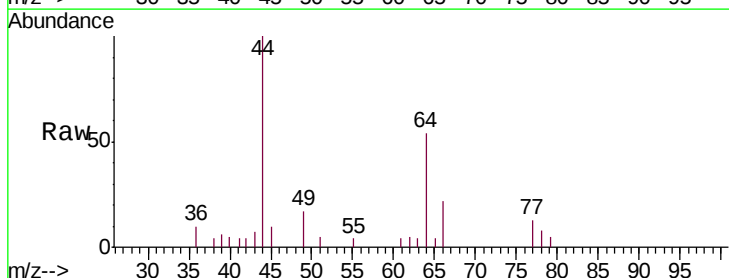
Acq: 25 Jul 2018 17:28

Tgt Ion: 64 Resp: 2086

Ion Ratio Lower Upper

64 100

66 40.1 24.9 37.3#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1500

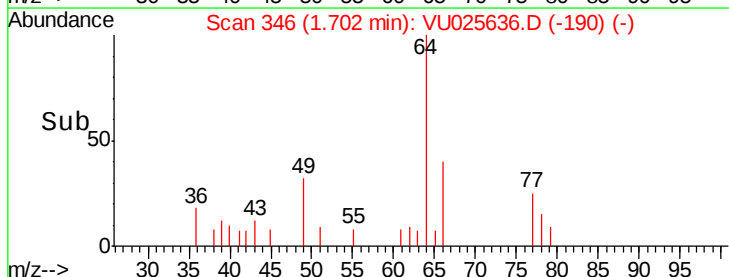
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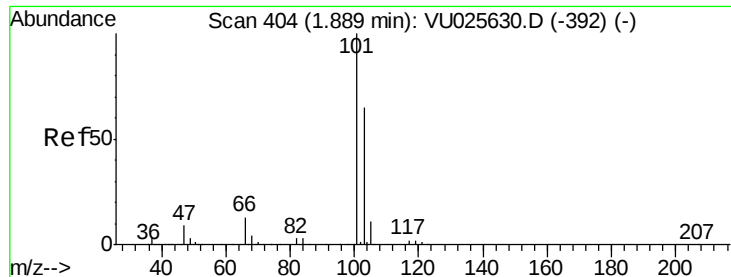
500

0

1.65 1.70 1.75

Time-->





#7

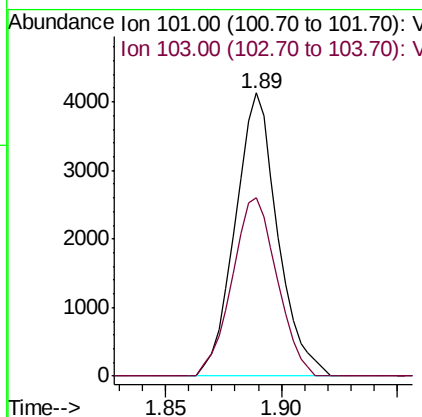
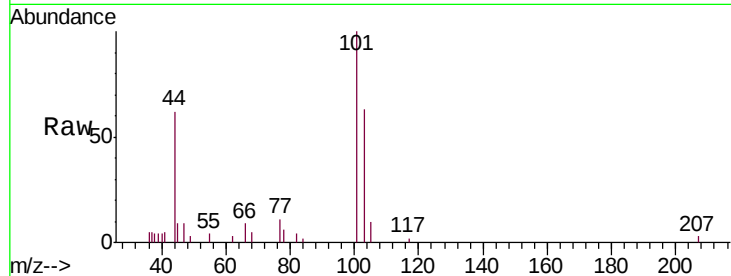
Trichlorofluoromethane
Concen: 0.268 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
101	100	5261		
103	63.0		51.4	77.0

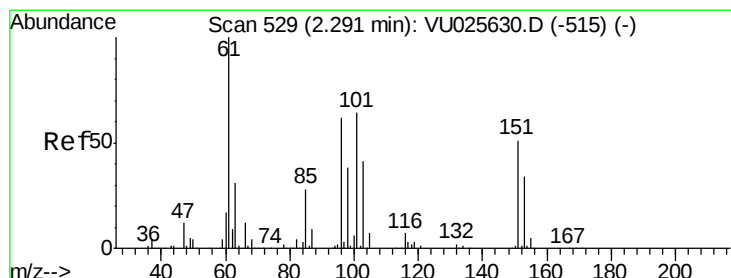
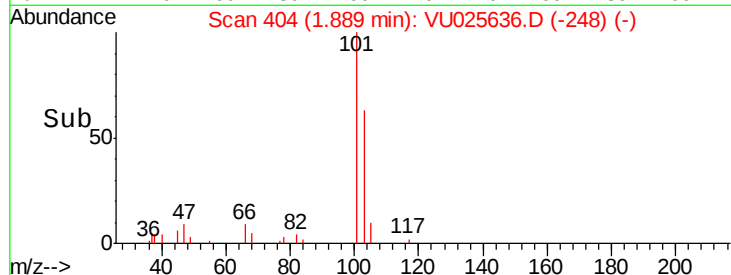
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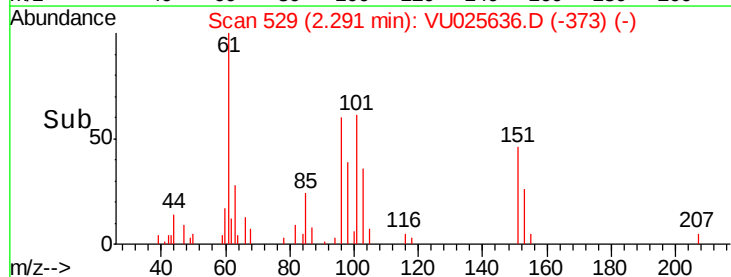
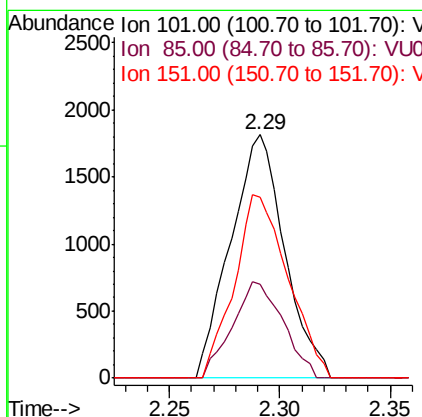
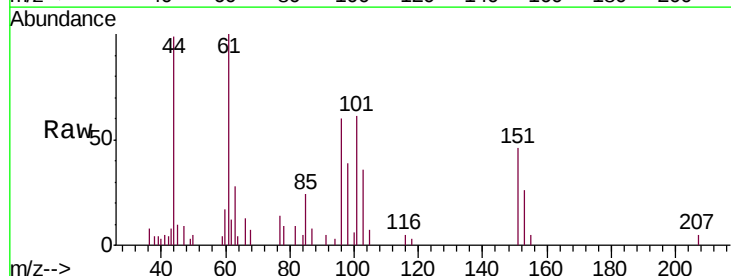
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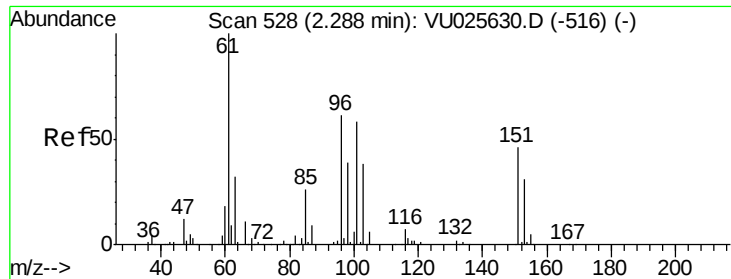


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.287 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	3087		
85	37.1		35.2	52.8
151	74.8		63.5	95.3





#9

1,1-Dichloroethene

Concen: 0.284 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

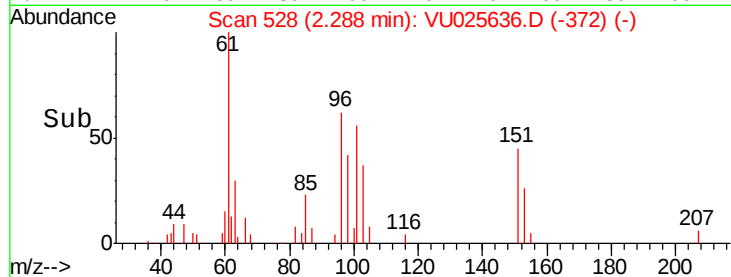
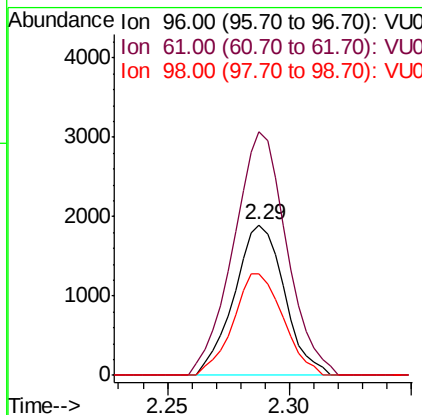
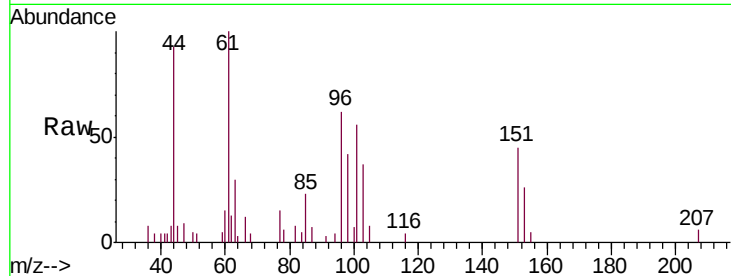
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	96	Resp:	2699
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	526.5
98	67.8	0.0	123.4

Manual Integrations
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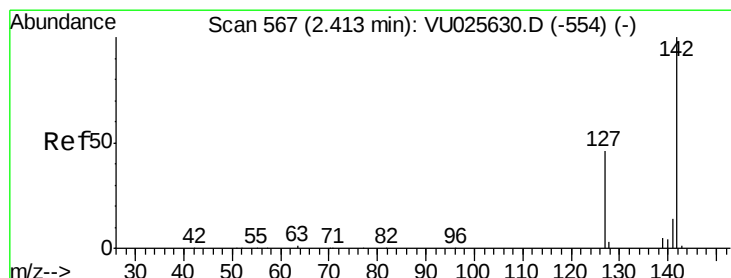
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#10

Iodomethane

Concen: 0.928 ug/l

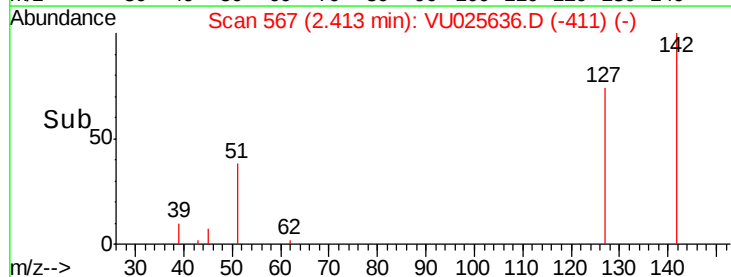
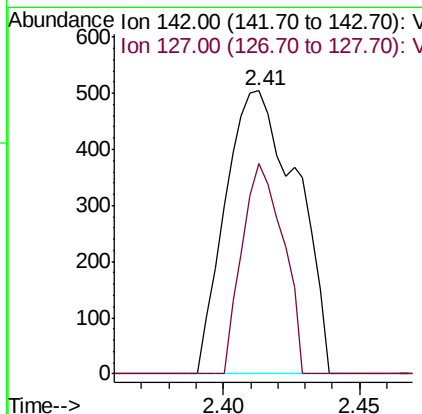
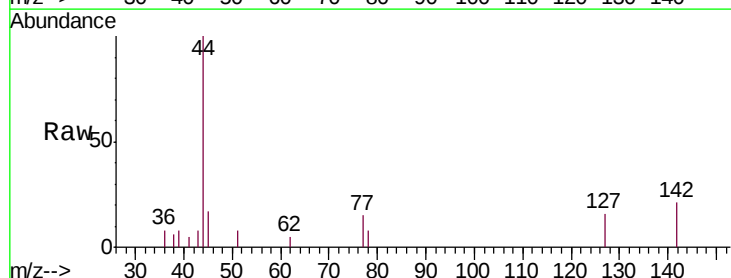
RT: 2.41 min Scan# 567

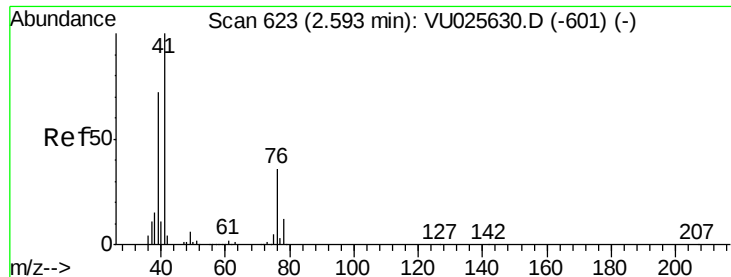
Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	142	Resp:	922
Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.5	51.7





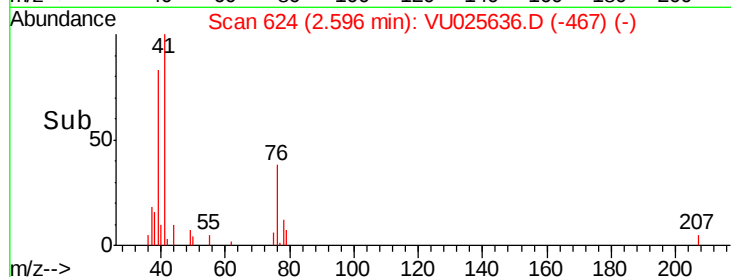
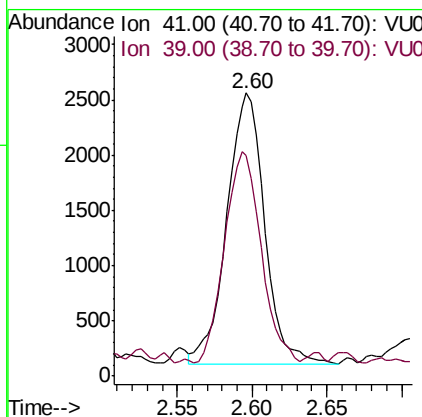
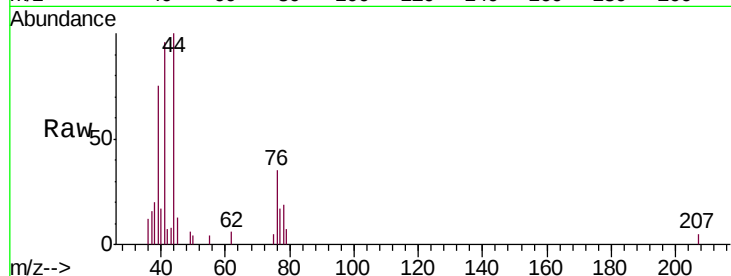
#11
Allvl Chloride
Concen: 0.270 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 41 Resp: 4295
Ion Ratio Lower Upper
41 100
39 76.1 51.4 77.2

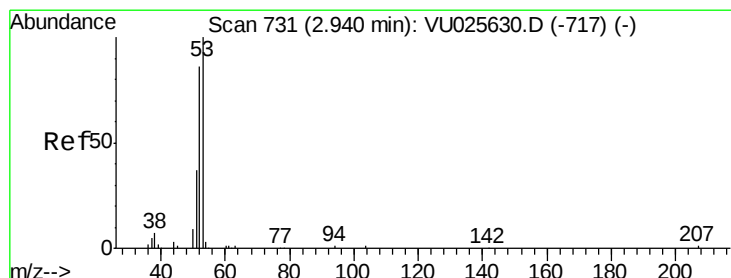
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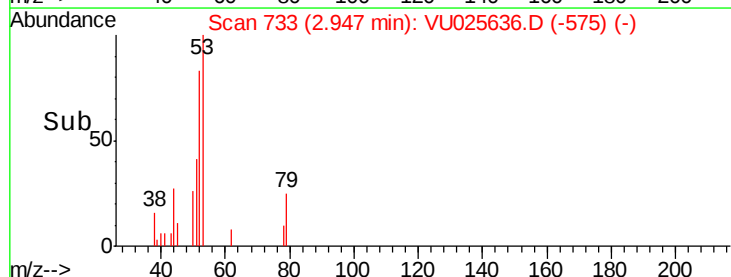
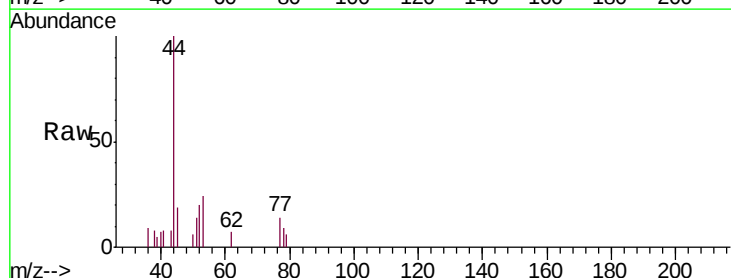
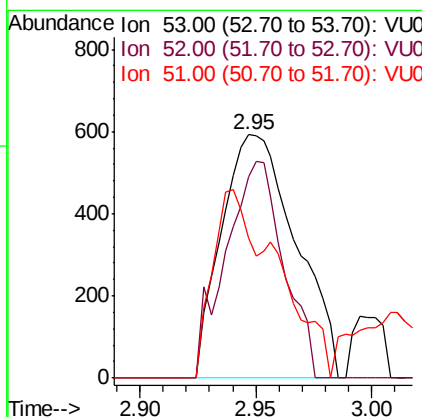
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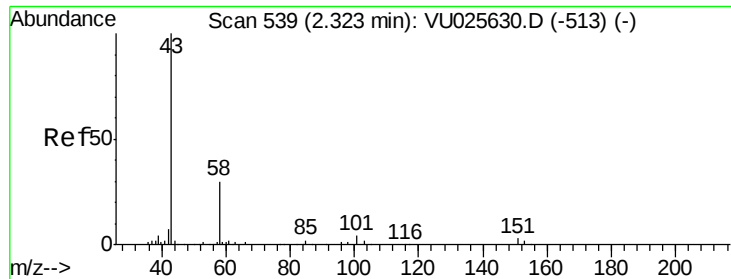
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#12
Acrylonitrile
Concen: 0.632 ug/l
RT: 2.95 min Scan# 733
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion: 53 Resp: 1323
Ion Ratio Lower Upper
53 100
52 69.4 65.1 97.7
51 40.0 30.2 45.4





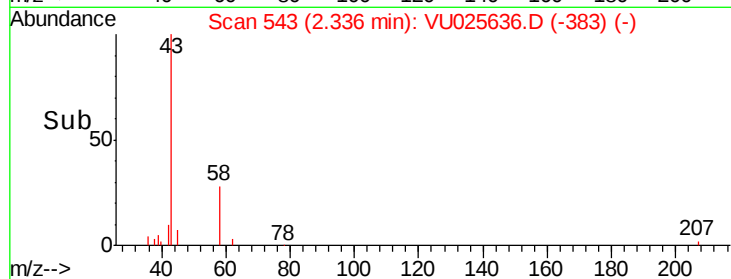
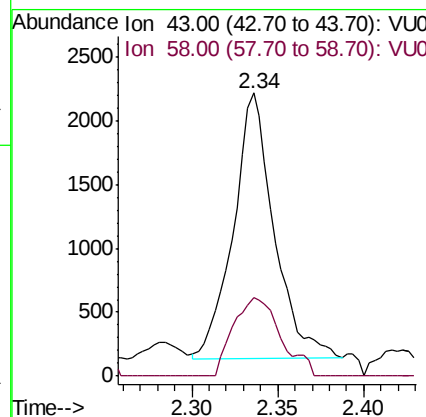
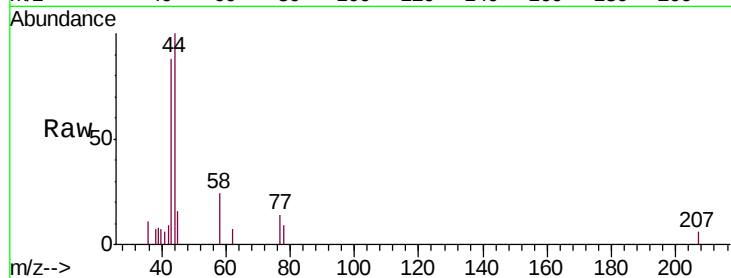
#13
Acetone
Concen: 1.884 ug/l
RT: 2.34 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 3432
Ion Ratio Lower Upper
43 100
58 29.6 26.0 39.0

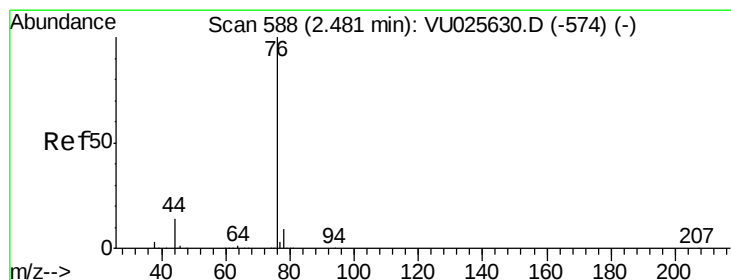
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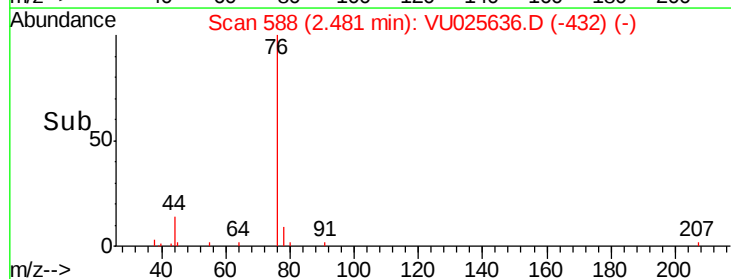
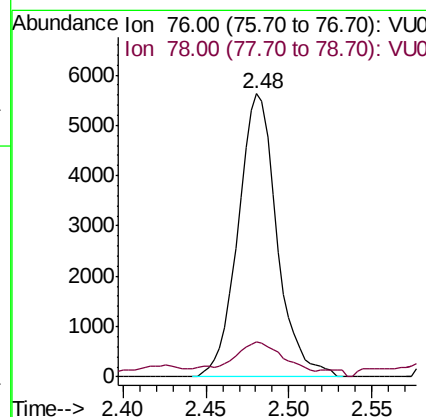
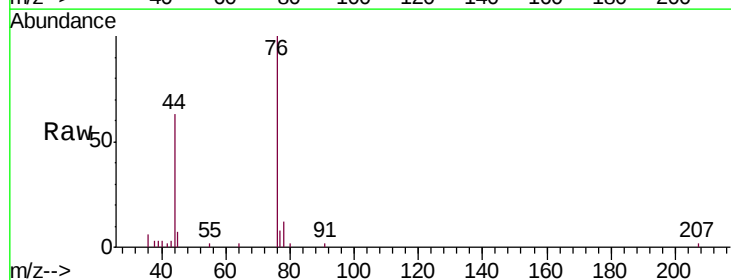
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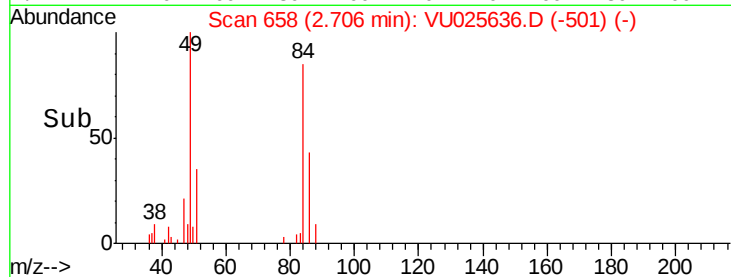
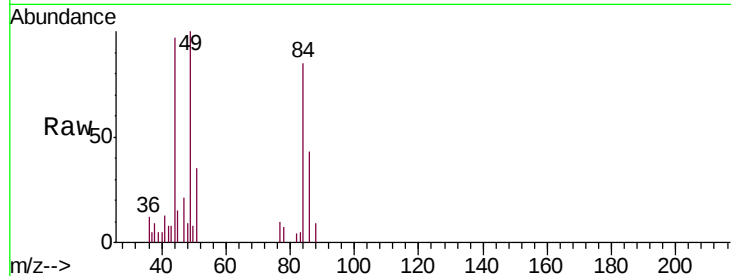
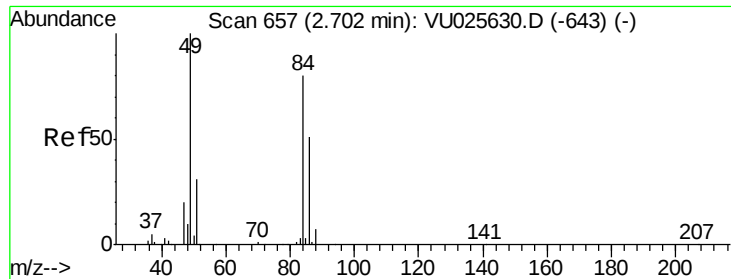
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#14
Carbon Disulfide
Concen: 0.282 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

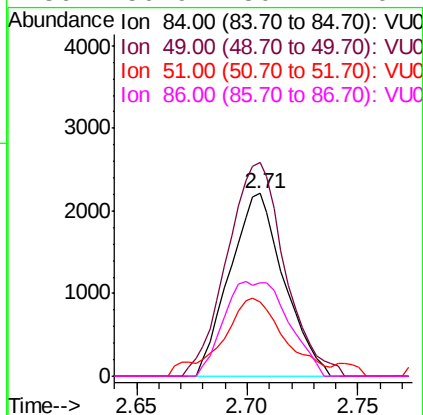
Tgt Ion: 76 Resp: 9151
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9





#15
Methvlene Chloride
Concen: 0.332 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tot Ion	84	Resp:	3760
Ion	Ratio	Lower	Upper
84	100		
49	112.1	108.7	163.1
51	34.3	0.0	82.4
86	50.9	50.7	76.1



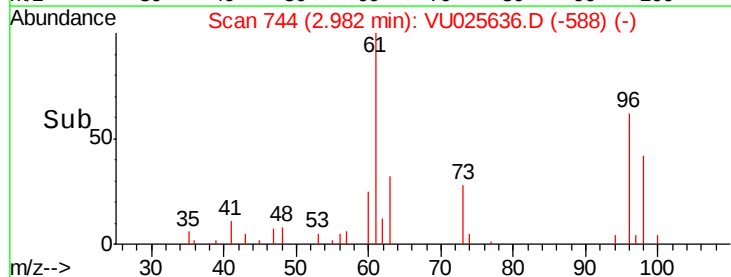
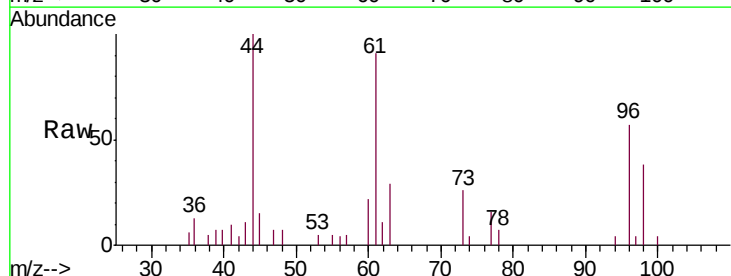
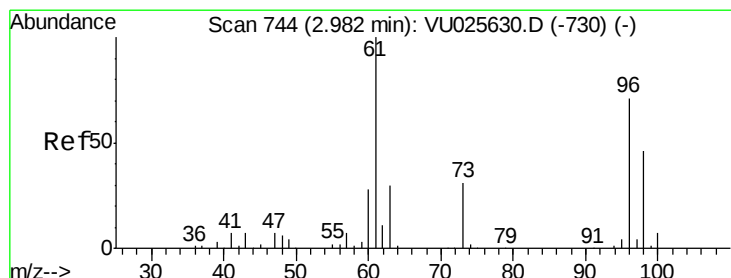
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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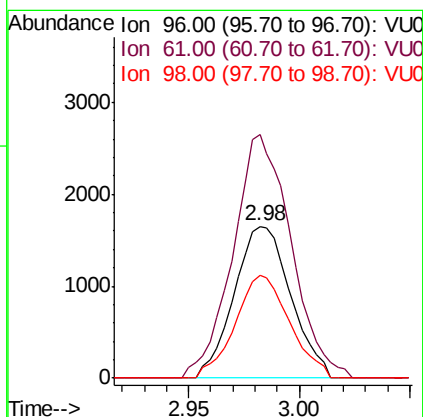
apatel

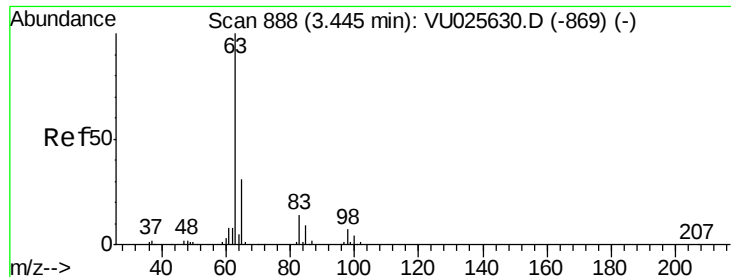
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#16
trans-1,2-Dichloroethene
Concen: 0.275 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	96	Resp:	2932
Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.9	185.9
98	67.9	50.6	76.0





#17

1,1-Dichloroethane

Concen: 0.248 ug/l

RT: 3.45 min Scan# 888

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

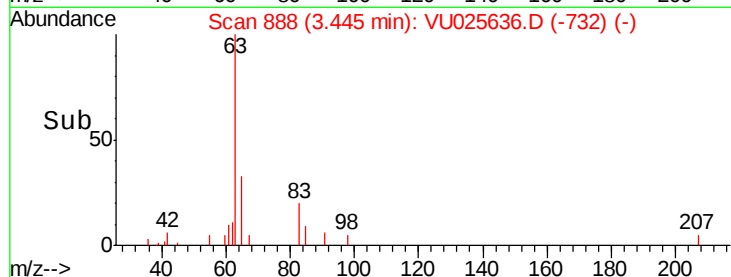
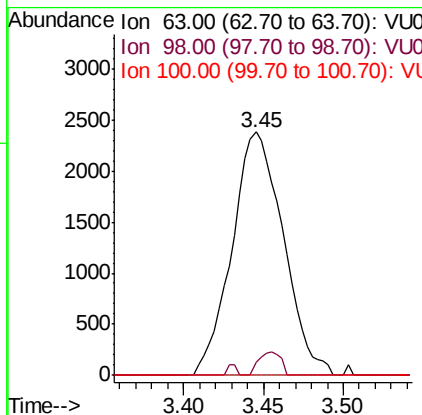
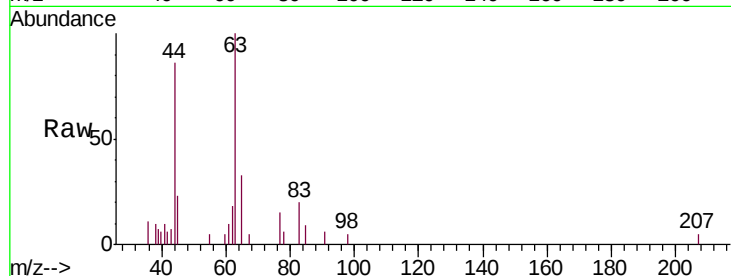
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	63	Resp:	5231
Ion Ratio	Lower	Upper	
63	100		
98	5.5	2.9	8.8
100	0.0	2.0	5.8

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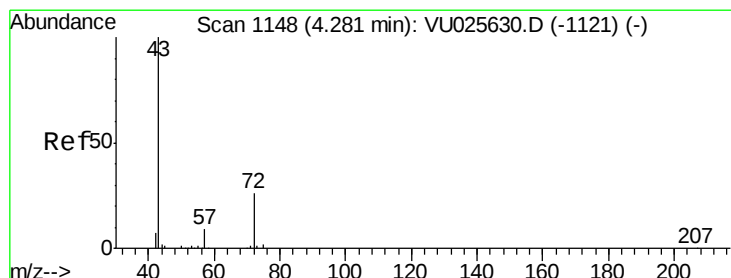
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#18

2-Butanone

Concen: 1.714 ug/l

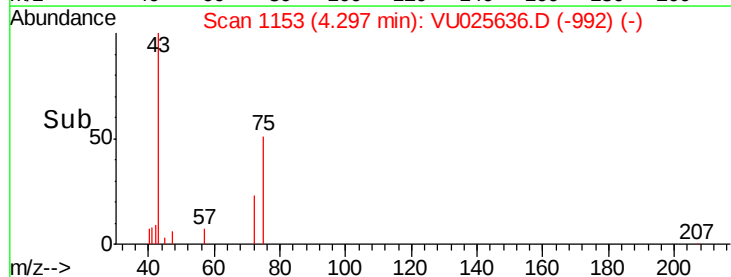
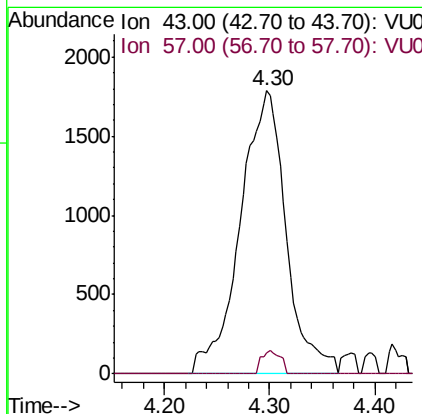
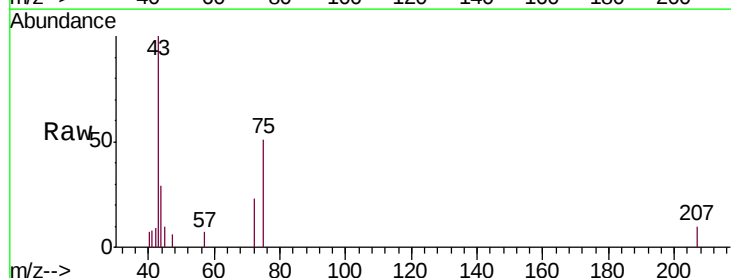
RT: 4.30 min Scan# 1153

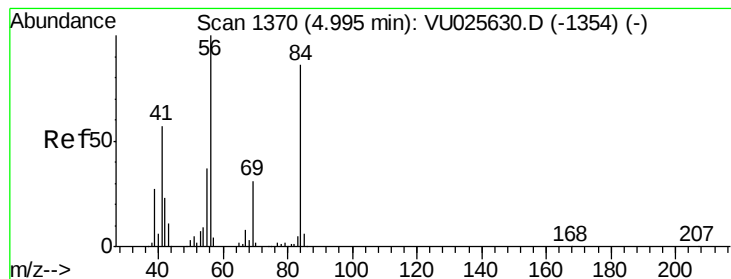
Delta R.T. 0.02 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	43	Resp:	5417
Ion Ratio	Lower	Upper	
43	100		
57	7.3	0.0	15.8





#19

Cyclohexane

Concen: 0.274 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

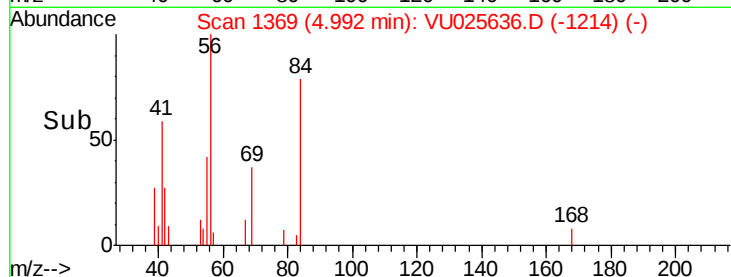
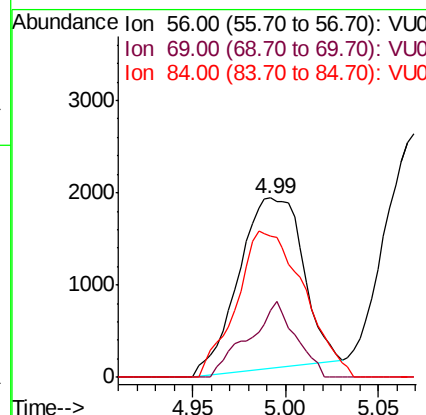
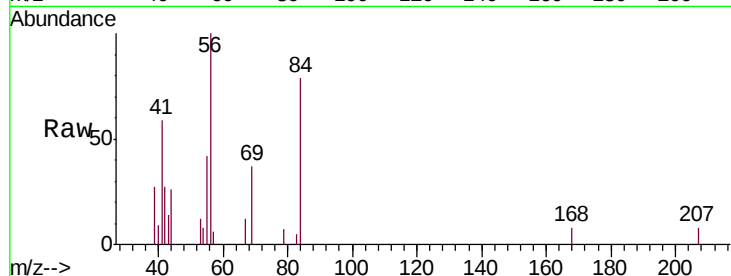
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	56	Resp:	4462
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.0	39.0
84	89.9	68.3	102.5

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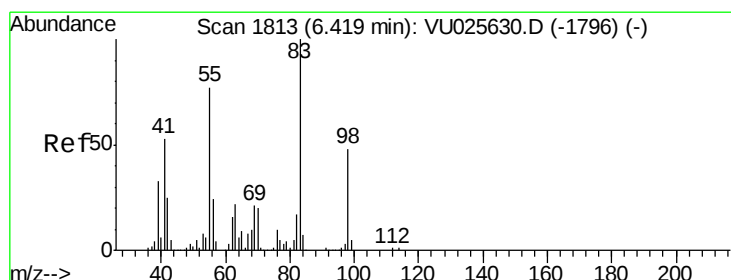
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#20

Methylcyclohexane

Concen: 0.238 ug/l

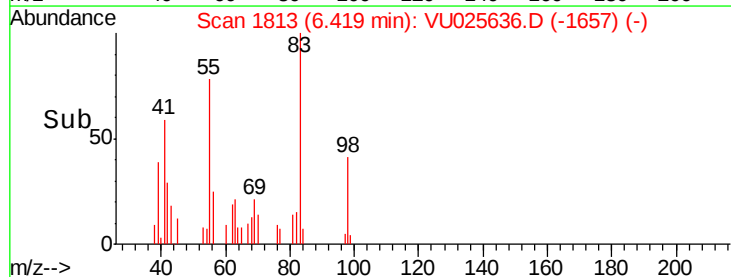
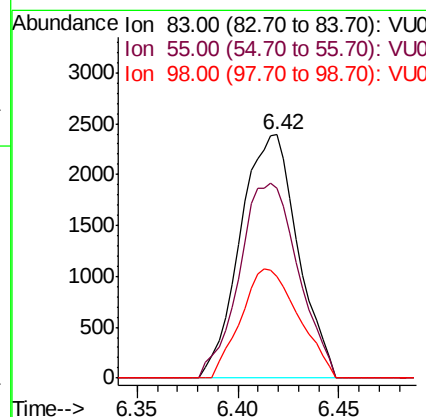
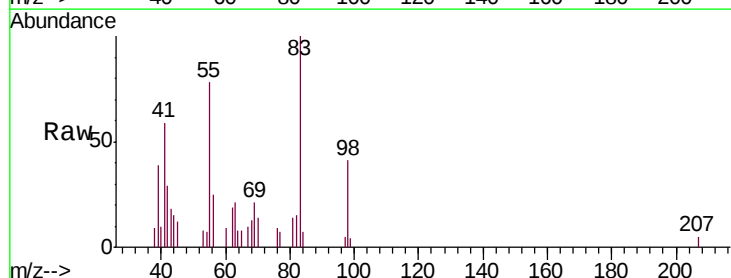
RT: 6.42 min Scan# 1813

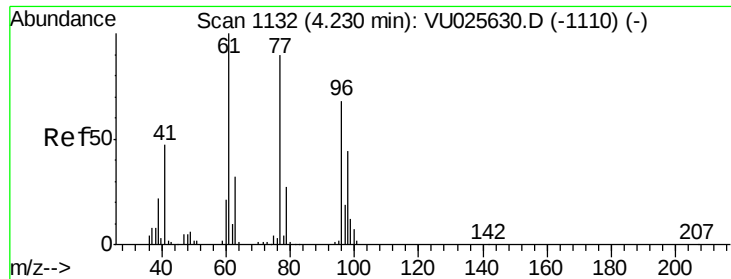
Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	83	Resp:	4759
Ion	Ratio	Lower	Upper
83	100		
55	81.9	66.4	99.6
98	44.8	35.4	53.2





#21

2,2-Dichloropropane

Concen: 0.309 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 77 Resp: 6231

Ion Ratio Lower Upper

77 100

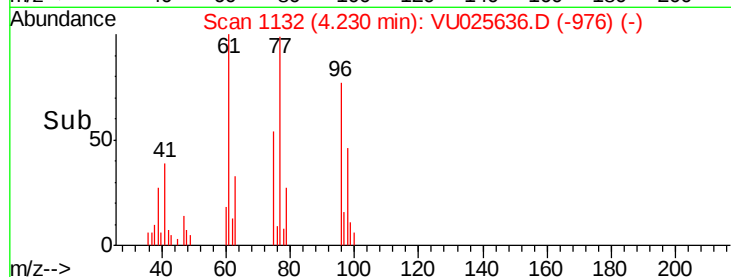
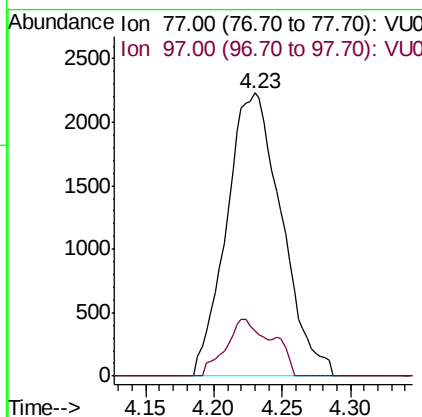
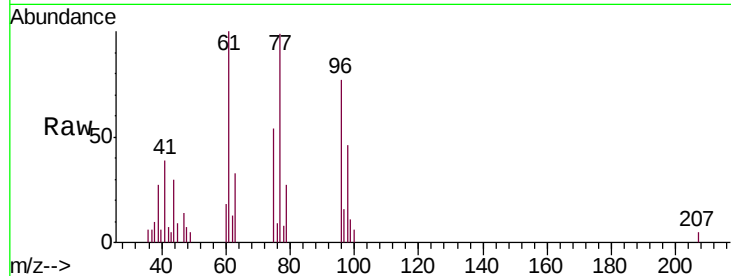
97 13.2 17.9 26.9#

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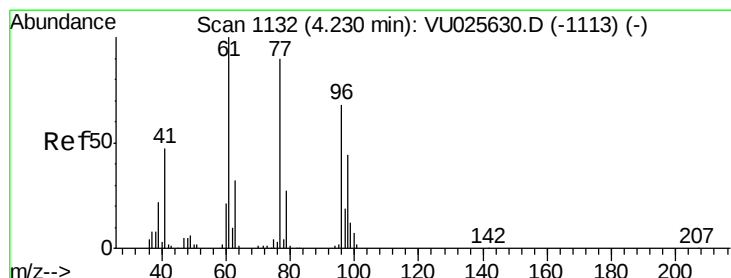
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#22

cis-1,2-Dichloroethene

Concen: 0.301 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

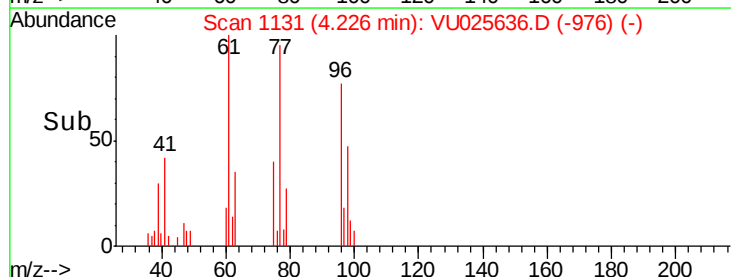
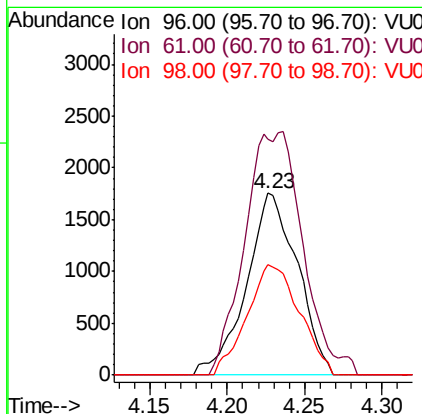
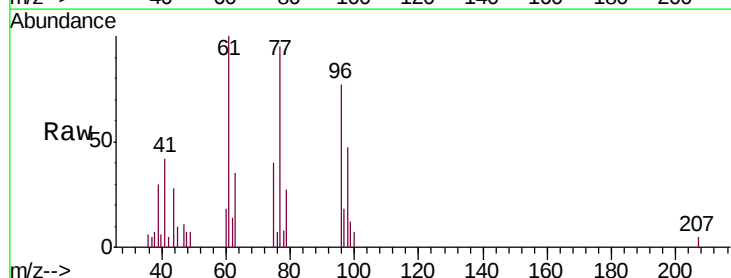
Tgt Ion: 96 Resp: 4037

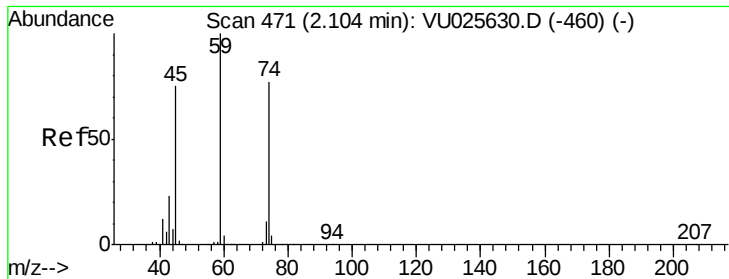
Ion Ratio Lower Upper

96 100

61 152.6 0.0 400.5

98 62.2 32.2 96.6





#23

Diethyl Ether

Concen: 0.259 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

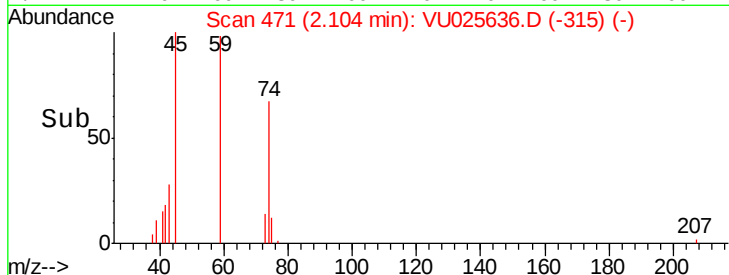
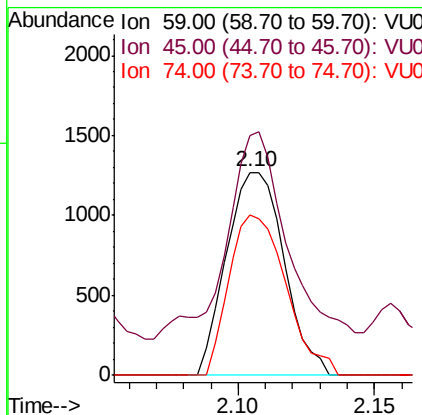
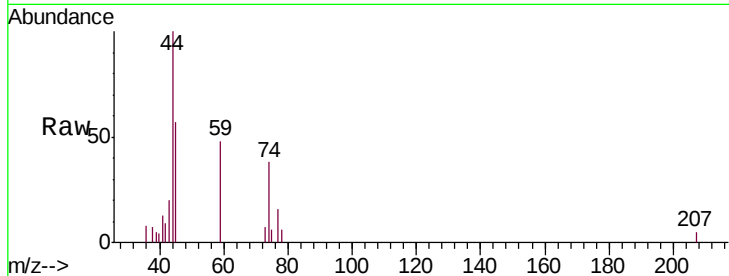
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
59	100		
45	105.5	60.0	90.0#
74	78.1	56.5	84.7

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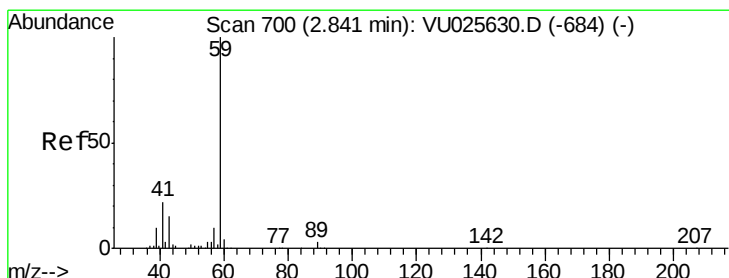
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#24

tert-Butyl Alcohol

Concen: 3.435 ug/l

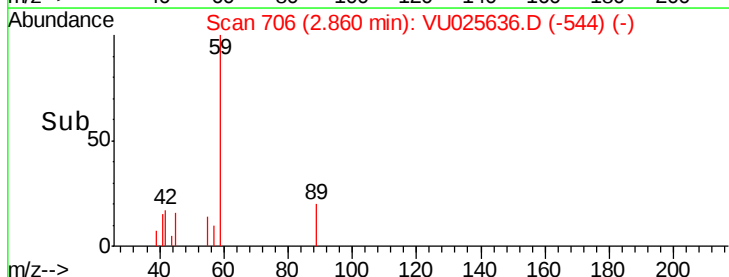
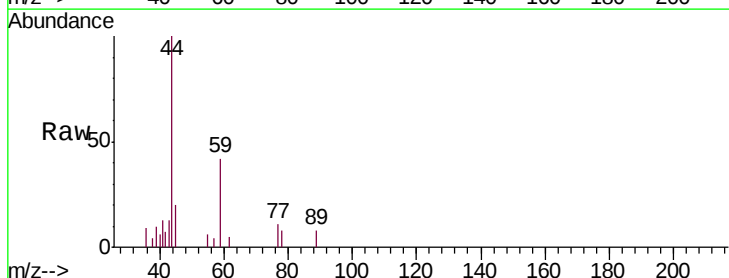
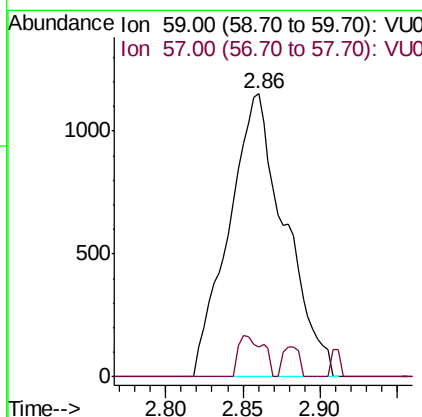
RT: 2.86 min Scan# 706

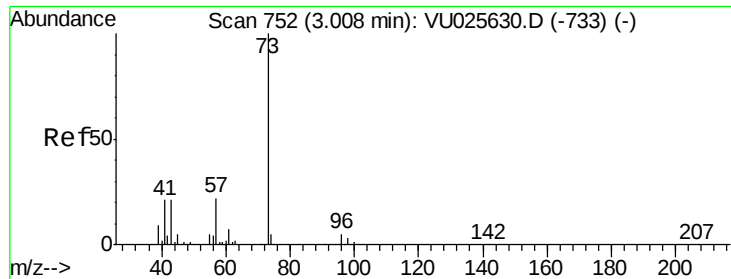
Delta R.T. 0.02 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.4	3.4	5.2#





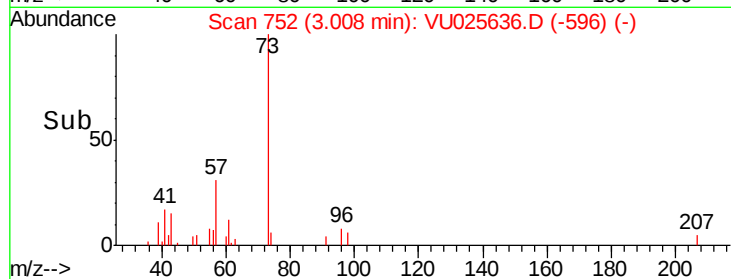
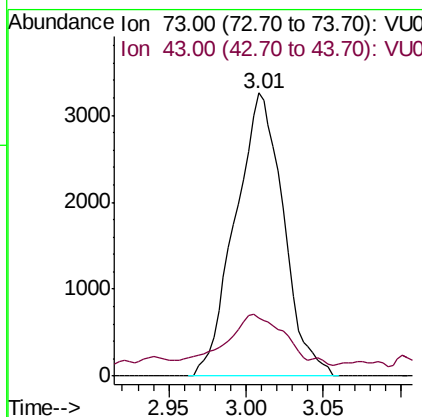
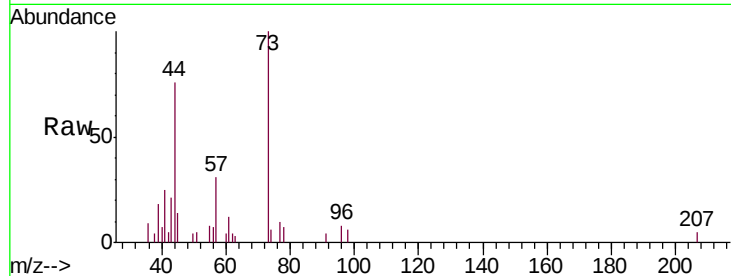
#25
Methvl tert-Butvl Ether
Concen: 0.274 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.3	16.2	24.2

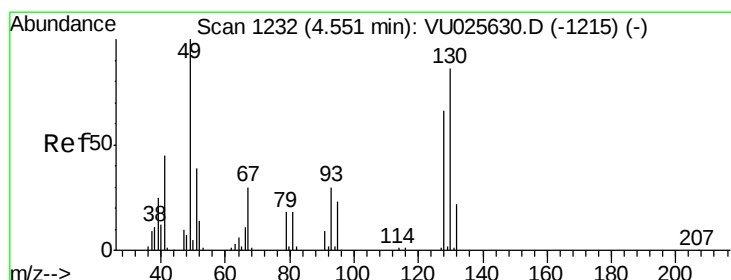
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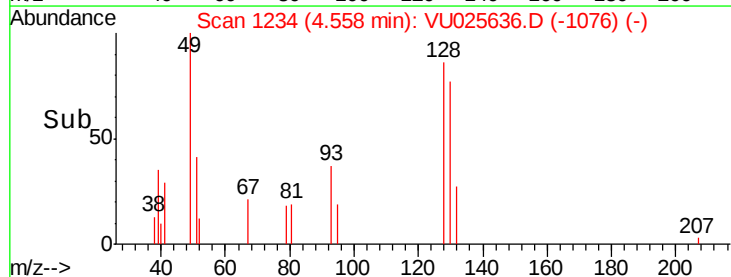
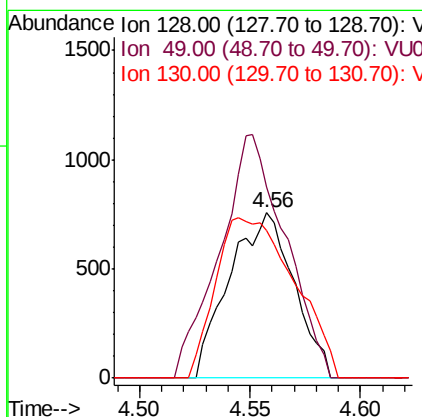
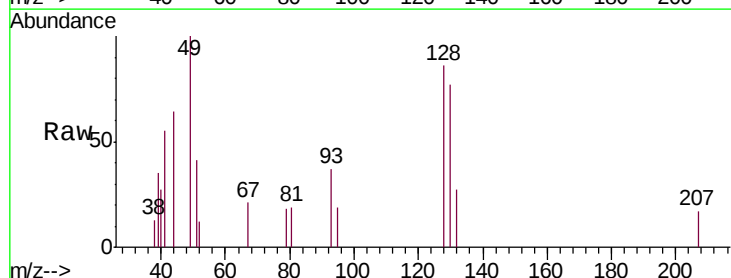
apatel

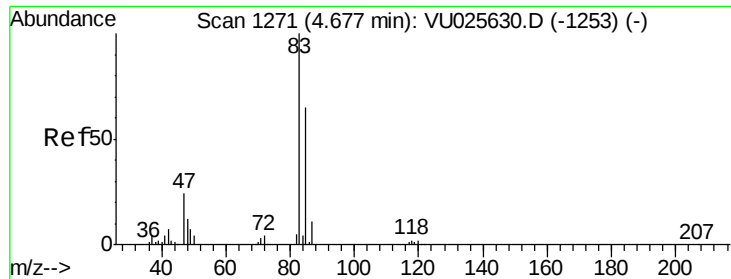
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#26
Bromochloromethane
Concen: 0.259 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
128	100		
49	150.2	0.0	375.2
130	118.3	105.8	158.6





#27

Chloroform

Concen: 0.269 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 83 Resp: 6248

Ion Ratio Lower Upper

83 100

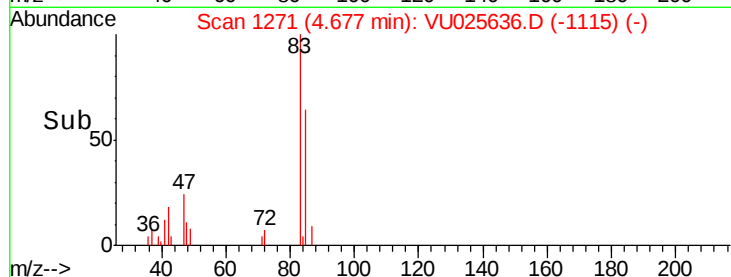
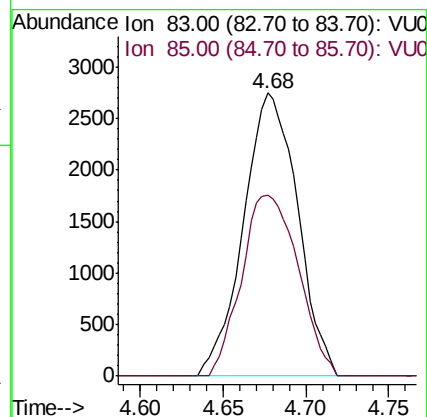
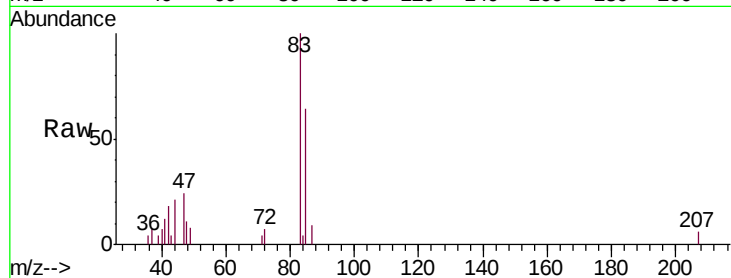
85 63.9 0.0 128.4

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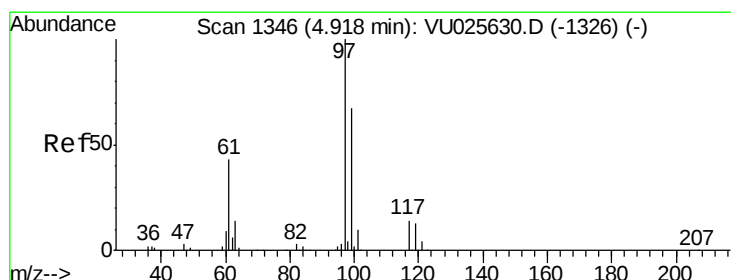
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#28

1,1,1-Trichloroethane

Concen: 0.253 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

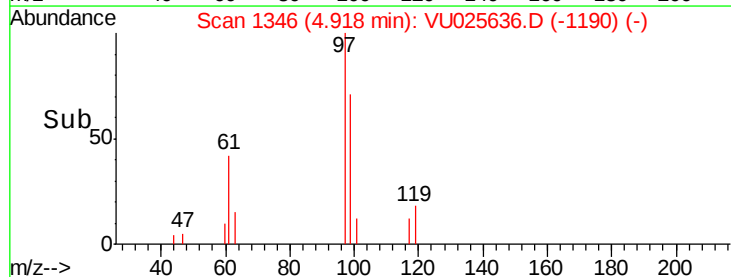
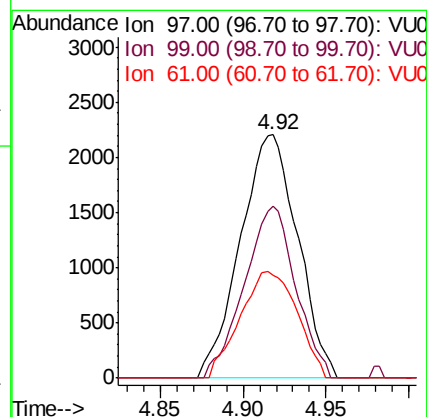
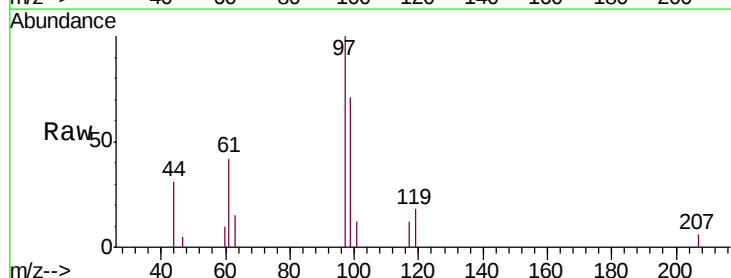
Tgt Ion: 97 Resp: 5307

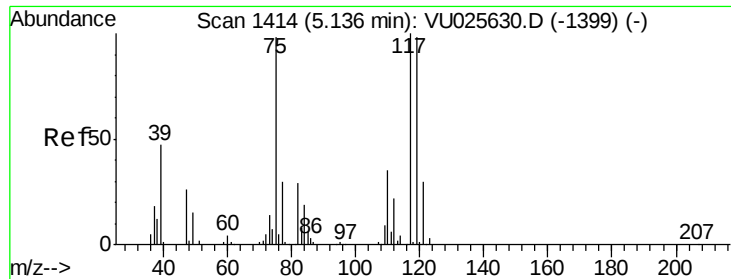
Ion Ratio Lower Upper

97 100

99 63.5 32.3 96.9

61 43.6 23.2 69.5





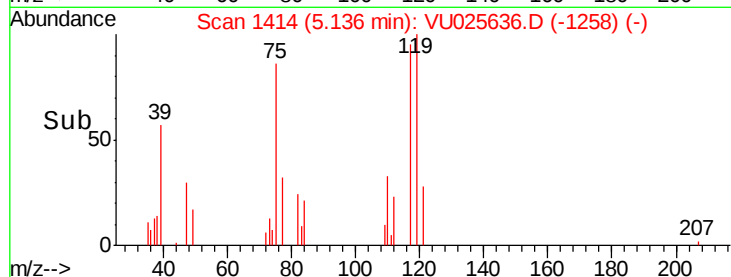
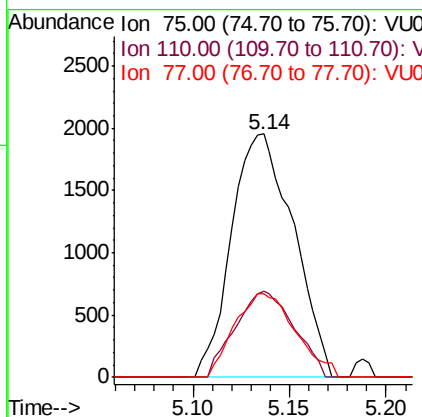
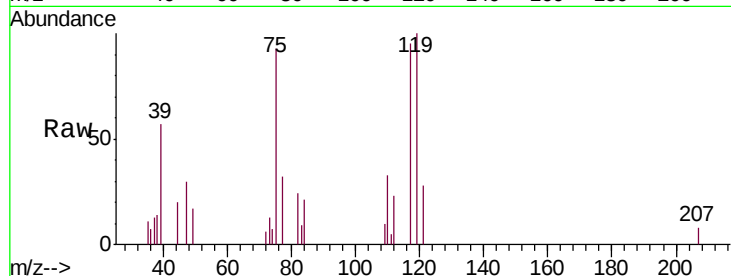
#29
 1,1-Dichloropropene
 Concen: 0.253 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.7
77	34.0	24.8	37.2

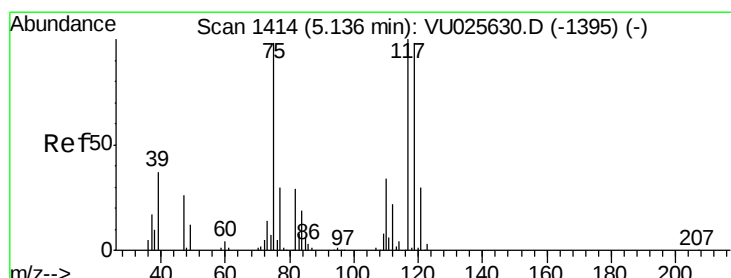
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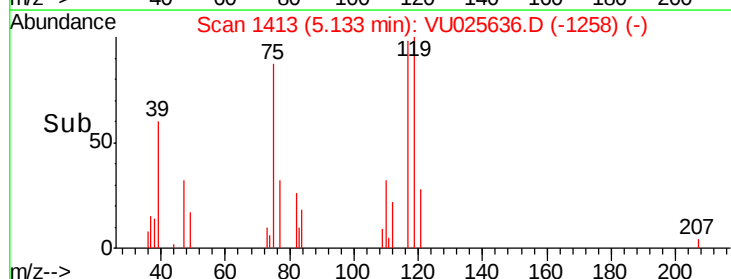
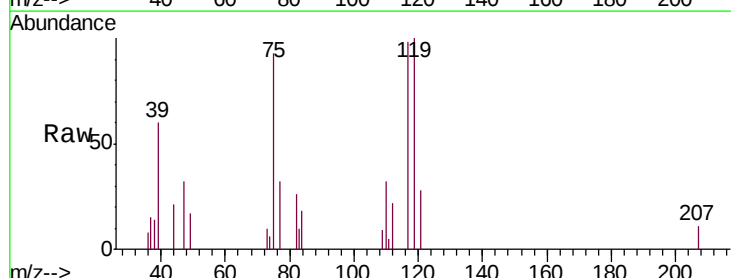
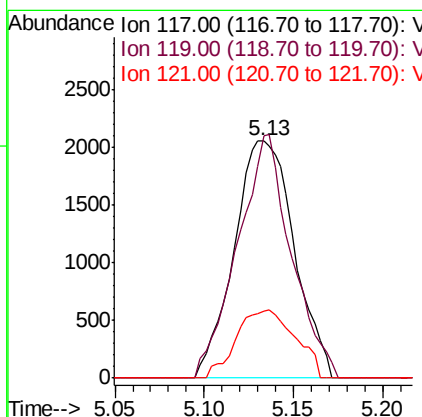
apatel

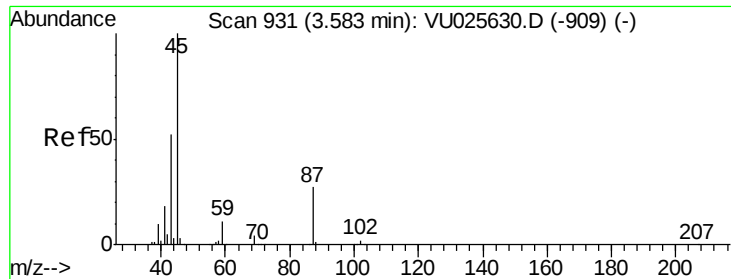
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#30
 Carbon Tetrachloride
 Concen: 0.254 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	77.3	115.9
121	28.2	24.5	36.7





#31

Isopropyl Ether

Concen: 0.280 ug/l

RT: 3.58 min Scan# 929

Delta R.T. -0.01 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 45 Resp: 9474

Ion Ratio Lower Upper

45 100

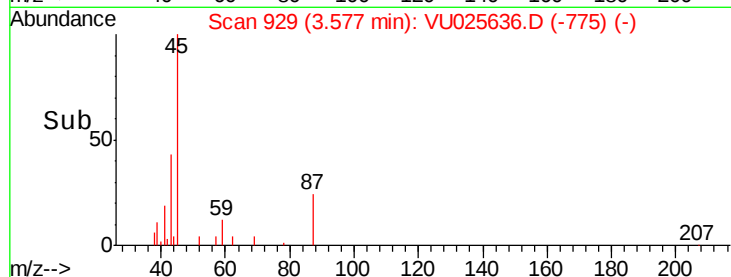
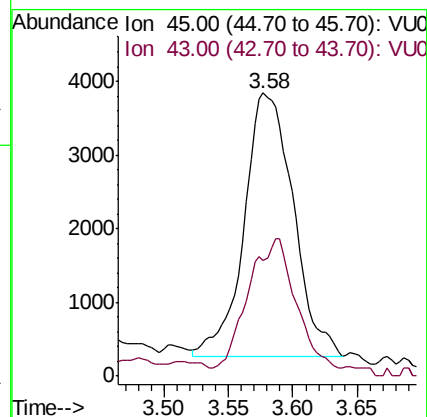
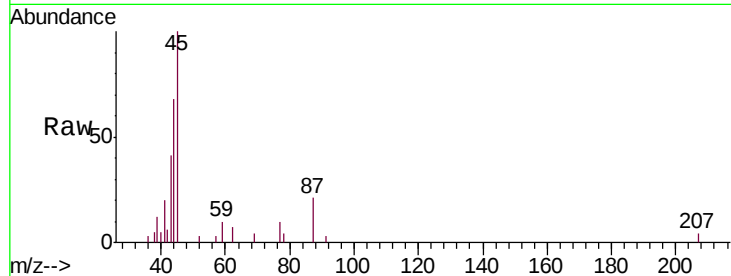
43 46.9 24.0 72.0

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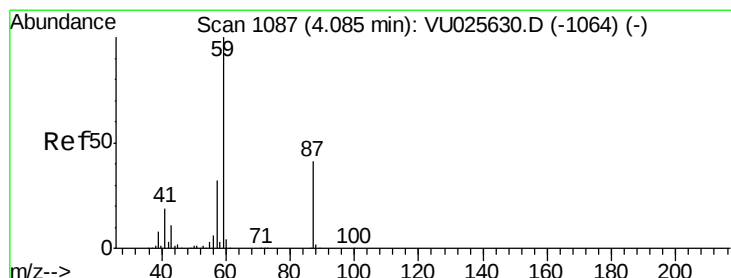
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#32

Ethyl-t-butyl ether

Concen: 0.272 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU025636.D

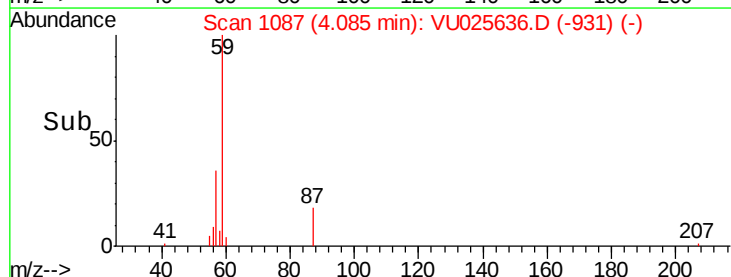
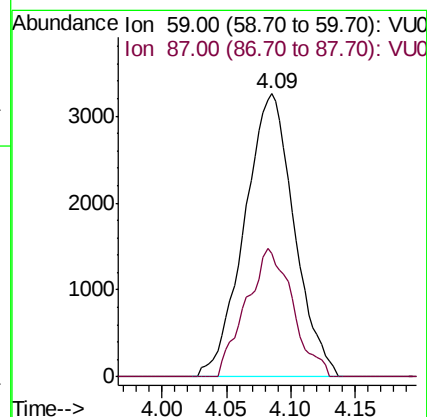
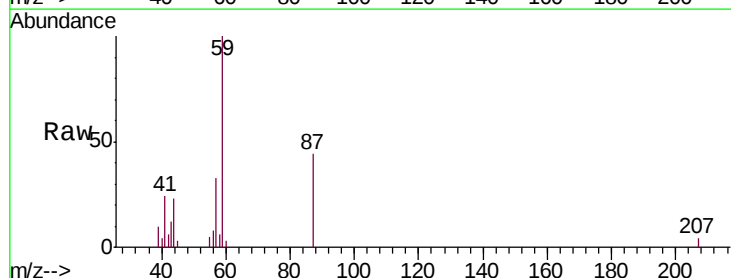
Acq: 25 Jul 2018 17:28

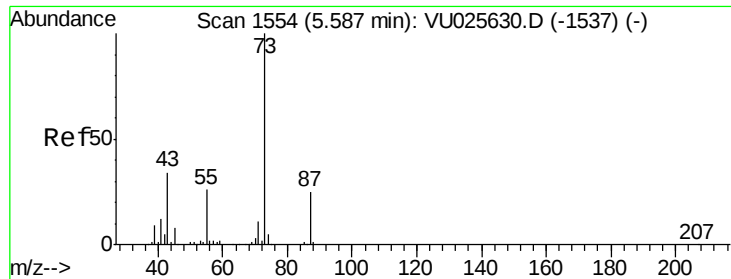
Tgt Ion: 59 Resp: 8758

Ion Ratio Lower Upper

59 100

87 42.3 31.0 46.6





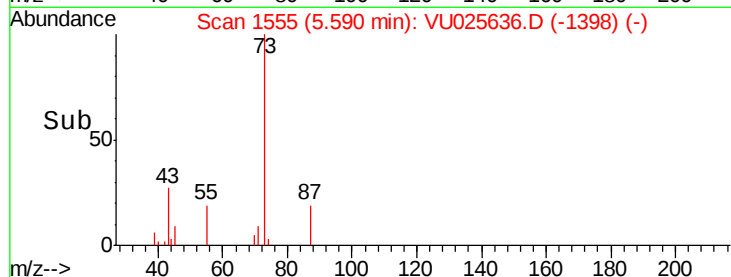
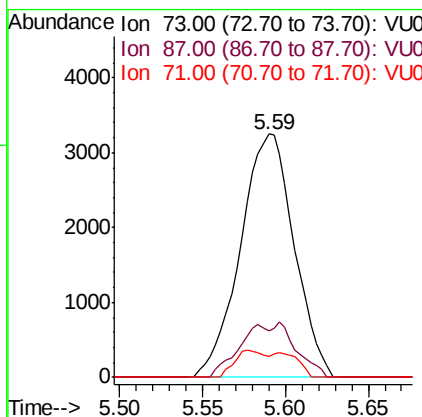
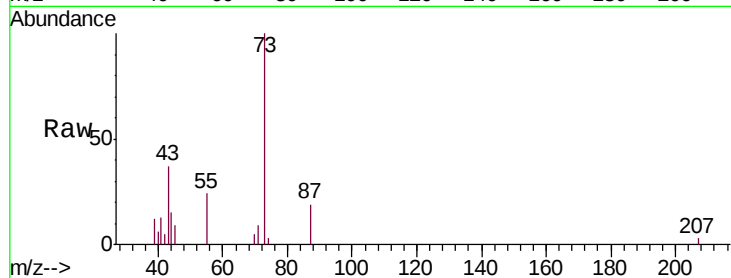
#33
Tert-Butyl methyl ether
Concen: 0.258 ug/l
RT: 5.59 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
73	100		
87	12.5	18.6	28.0#
71	6.5	9.3	13.9#

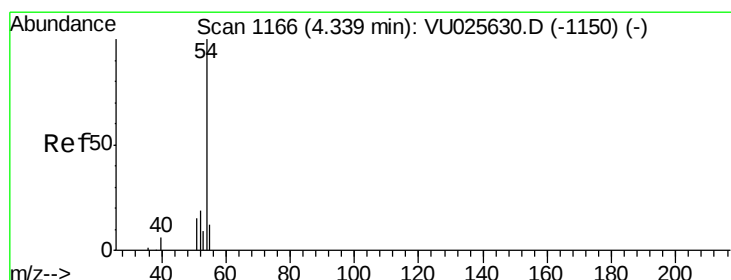
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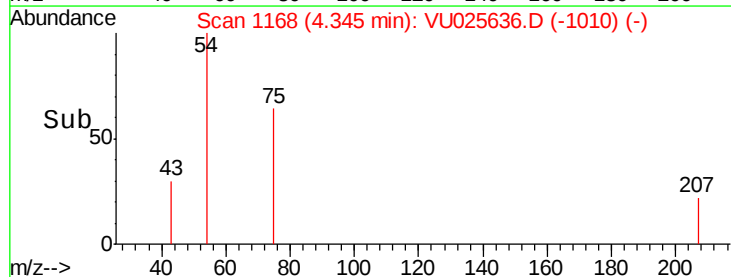
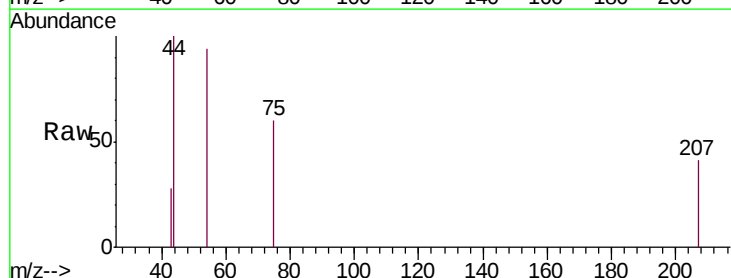
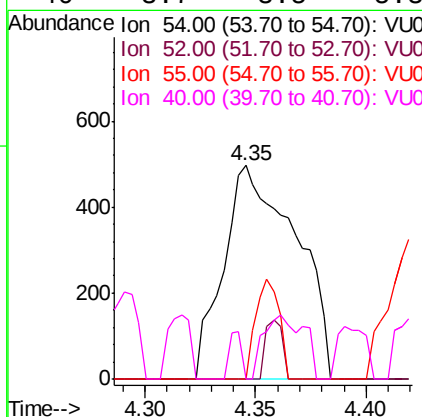
apatel

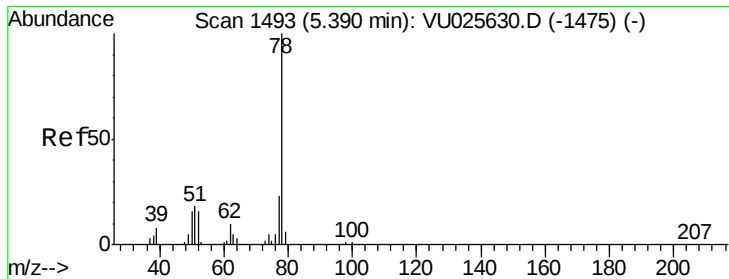
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#34
Propionitrile
Concen: 1.286 ug/l
RT: 4.35 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	13.7	20.5#
55	0.0	10.2	15.2#
40	3.7	3.5	5.3





#35

Benzene

Concen: 0.252 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 78 Resp: 12098

Ion Ratio Lower Upper

78 100

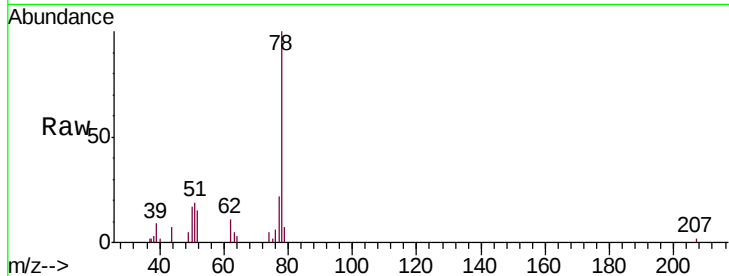
77 22.2 19.1 28.7

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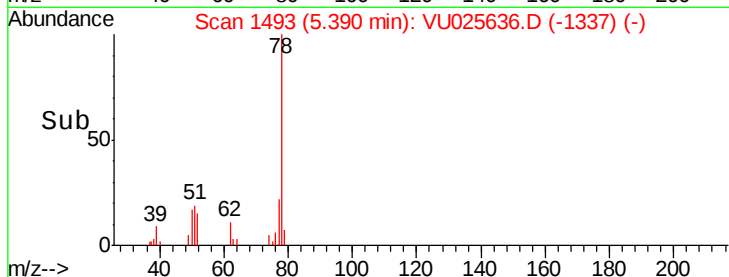
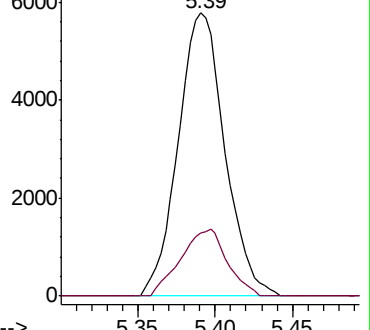
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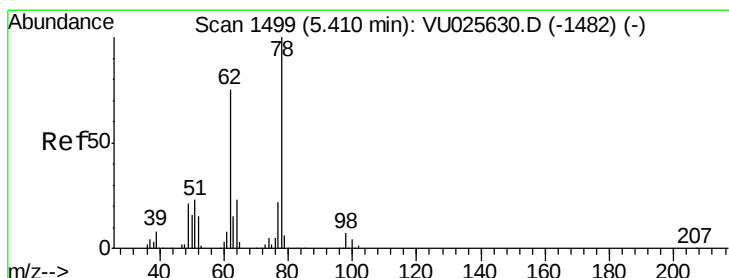
Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



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#36

1,2-Dichloroethane

Concen: 0.243 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025636.D

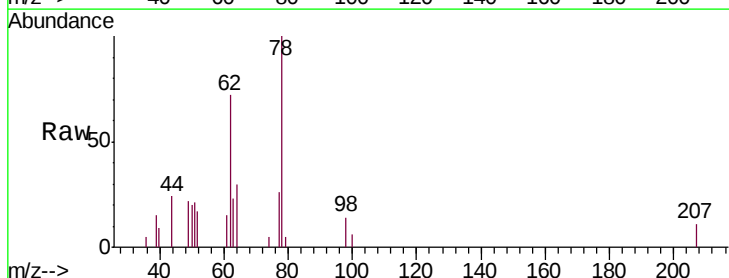
Acq: 25 Jul 2018 17:28

Tgt Ion: 62 Resp: 3577

Ion Ratio Lower Upper

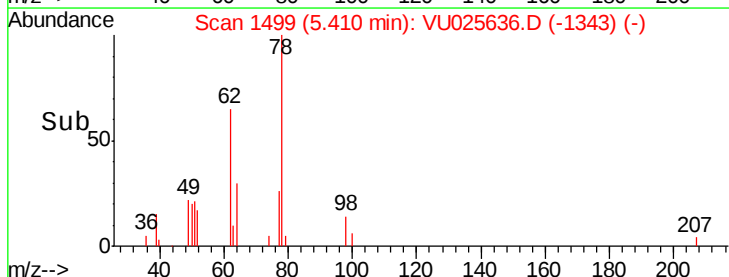
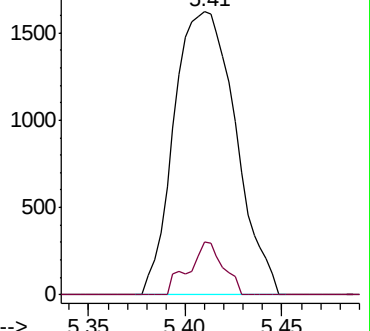
62 100

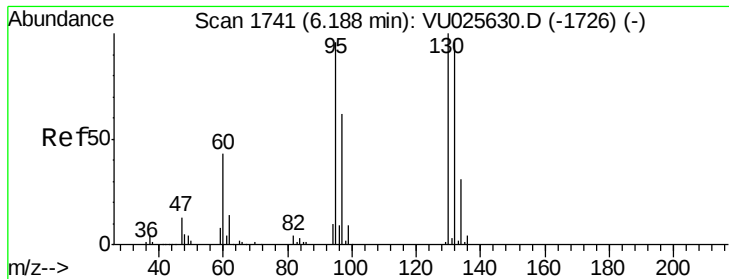
98 10.5 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.285 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:130 Resp: 4032

Ion Ratio Lower Upper

130 100

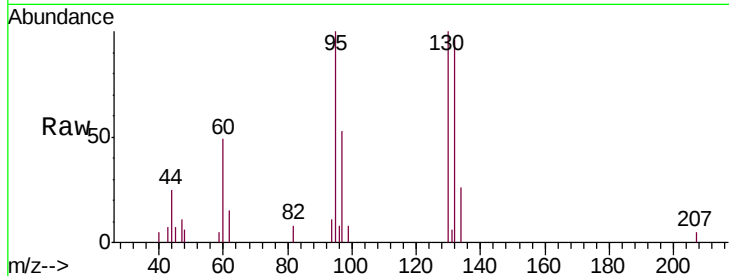
95 100.5 77.9 116.9

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

2500

2000

1500

1000

500

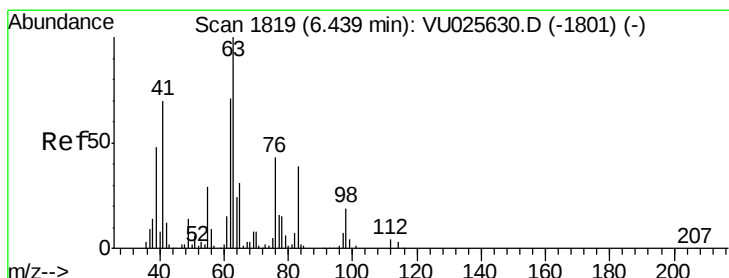
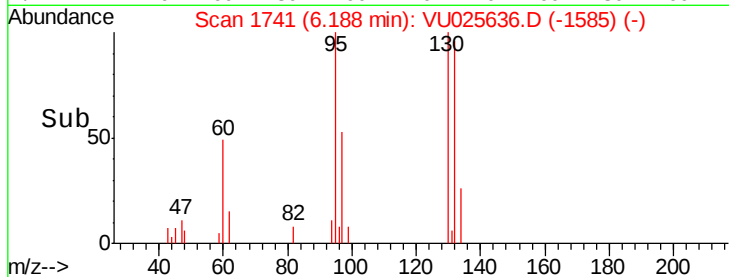
0

6.15

6.20

6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.246 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025636.D

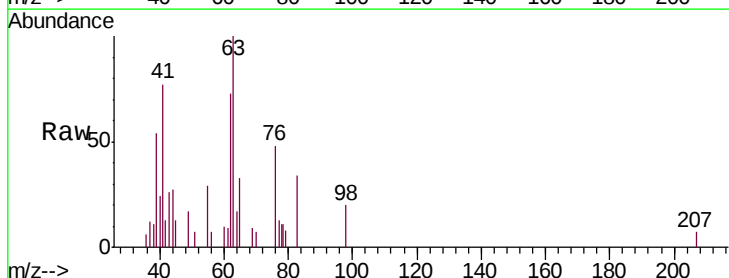
Acq: 25 Jul 2018 17:28

Tgt Ion: 63 Resp: 3060

Ion Ratio Lower Upper

63 100

65 32.7 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

2000

1500

1000

500

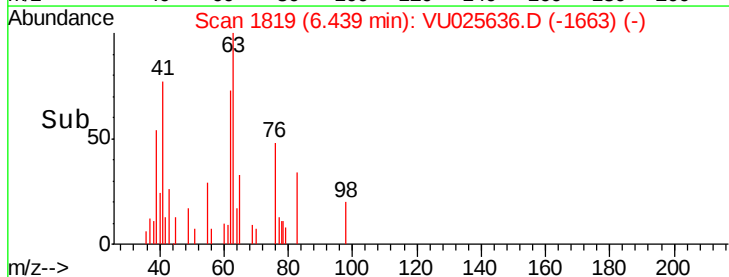
0

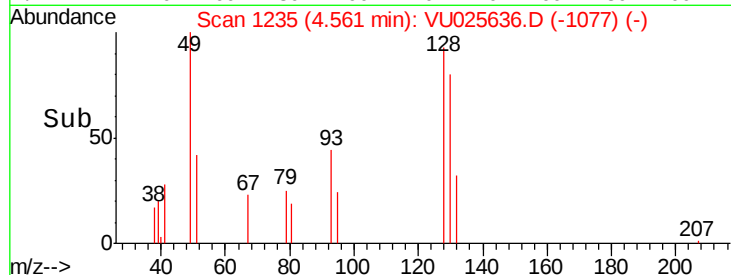
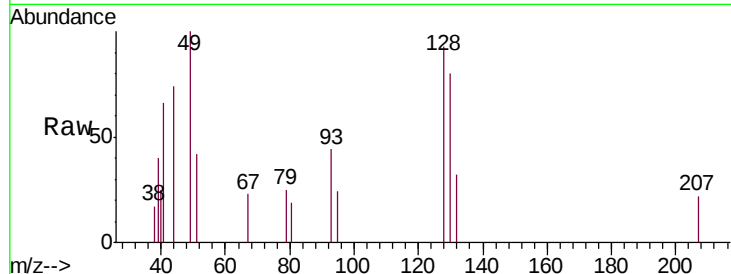
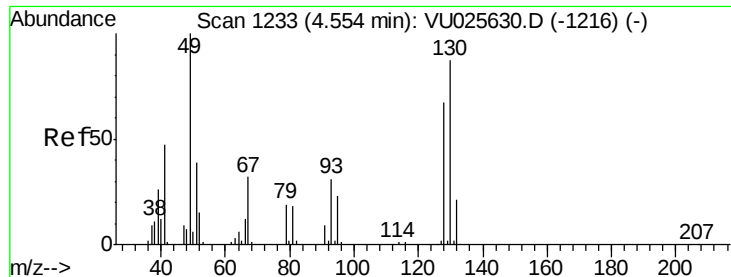
6.40

6.45

6.50

Time-->





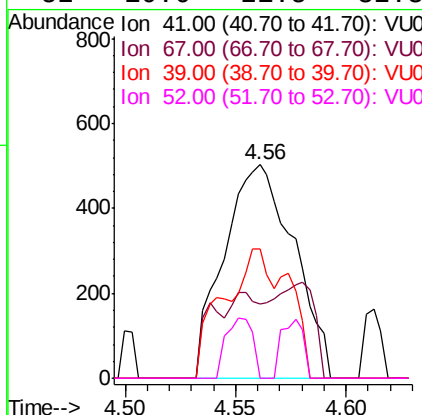
#39
Methacrylonitrile
Concen: 0.274 ug/l
RT: 4.56 min Scan# 1235
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tot Ion	Ratio	Lower	Upper
41	100		
67	6.1	51.3	76.9#
39	41.5	40.6	60.8
52	10.6	21.5	32.3#

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

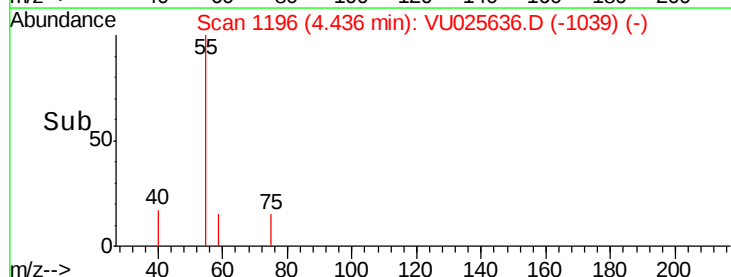
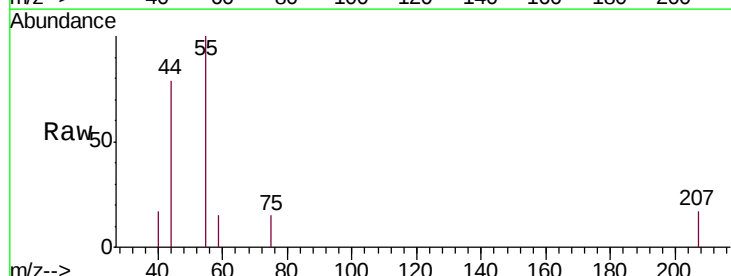
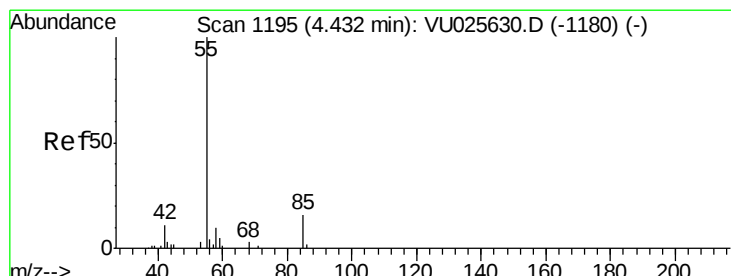
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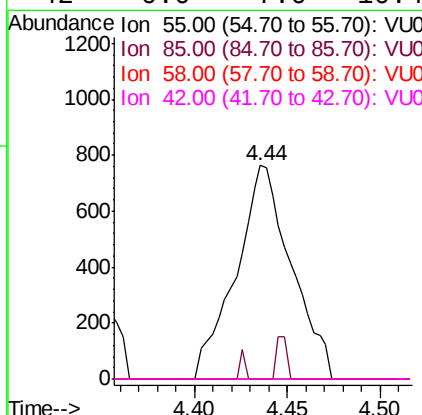
apatel

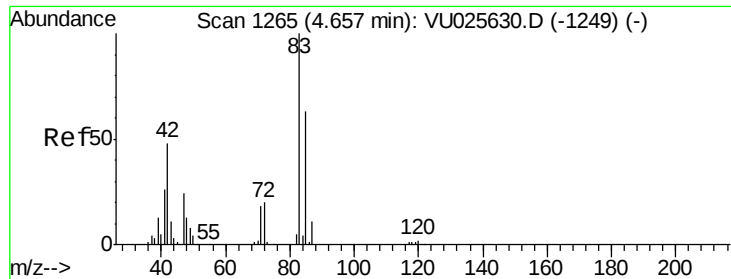
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#40
Methyl acrylate
Concen: 0.261 ug/l
RT: 4.44 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.3	18.5#
58	0.0	7.0	10.6#
42	0.0	7.0	10.4#





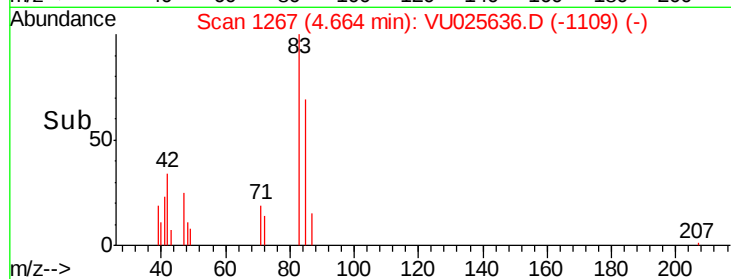
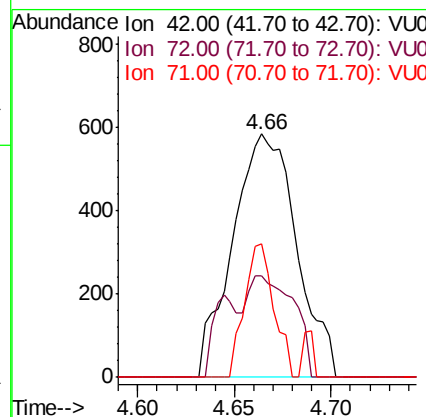
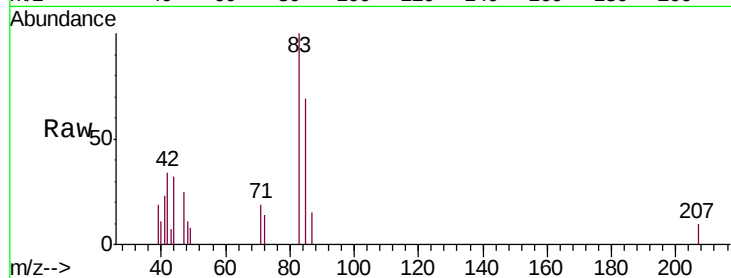
#41
Tetrahydrofuran
Concen: 0.561 ug/l
RT: 4.66 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
42	100		
72	29.3	33.2	49.8#
71	25.0	29.8	44.8#

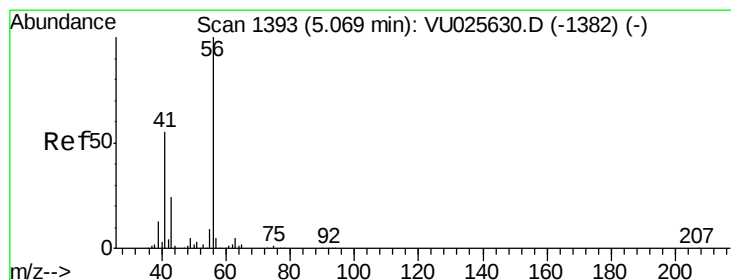
Manual Integrations
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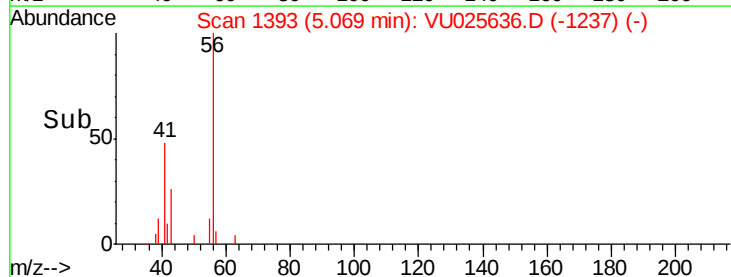
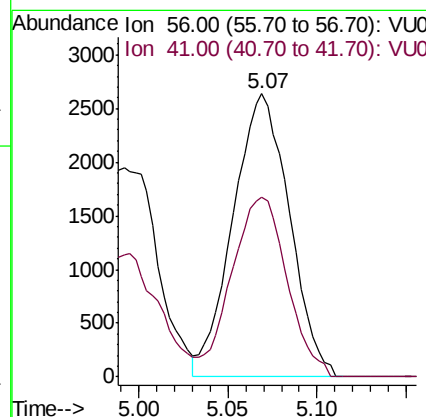
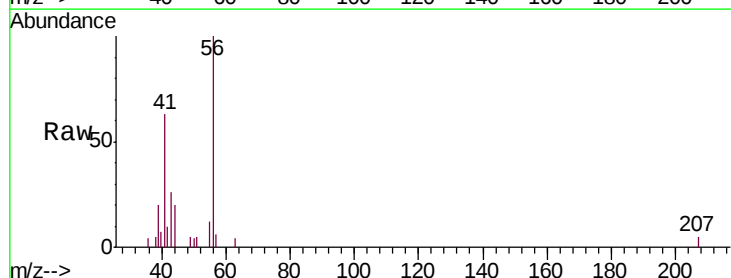
apatel

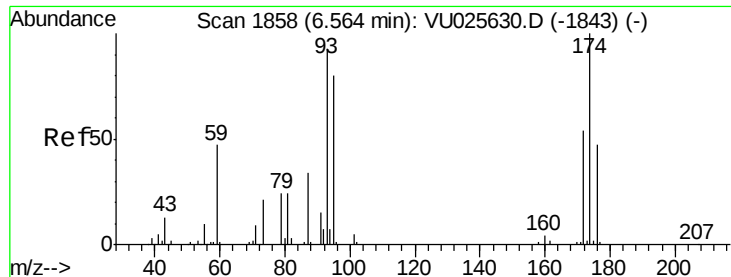
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#42
1-Chlorobutane
Concen: 0.248 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.0	27.5	82.5





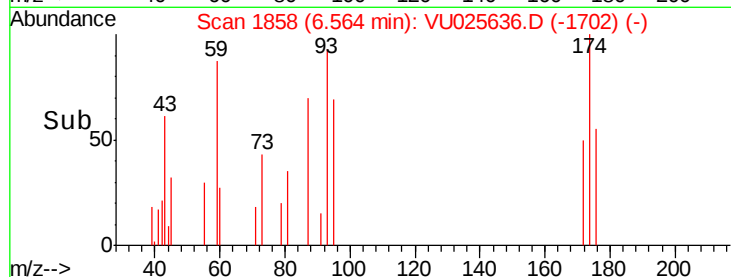
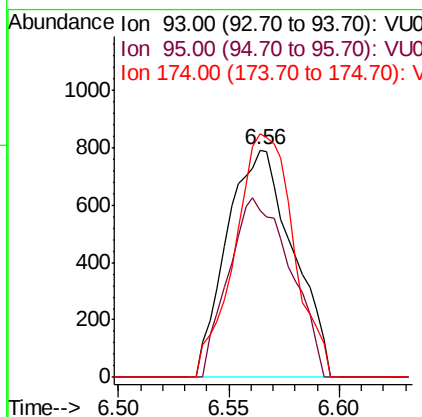
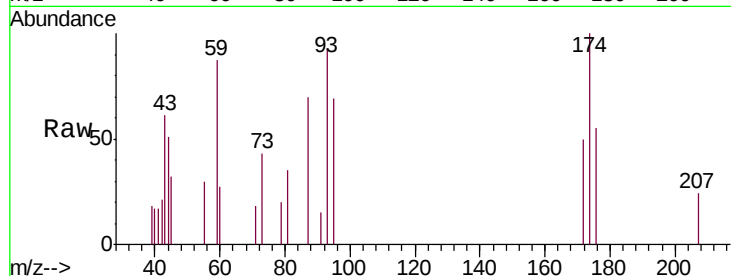
#43
Dibromomethane
Concen: 0.252 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	74.2	67.2	100.8
174	95.7	82.8	124.2

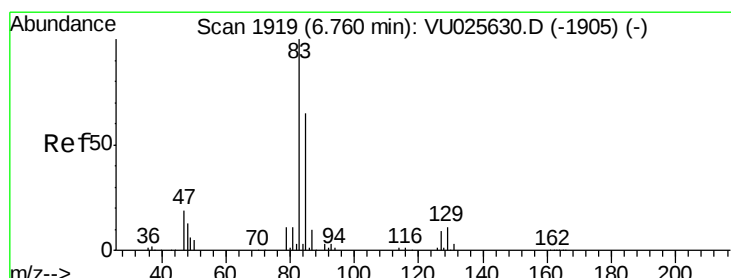
Manual Integrations
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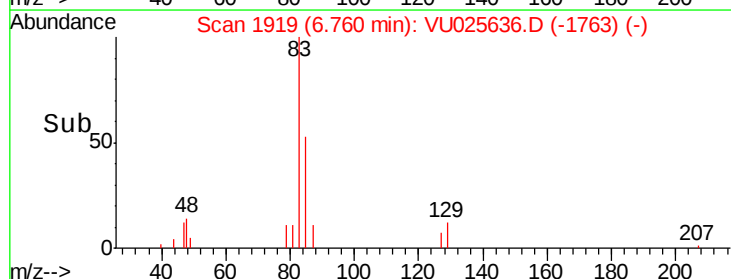
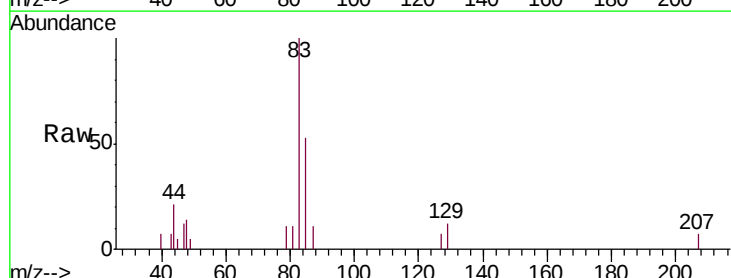
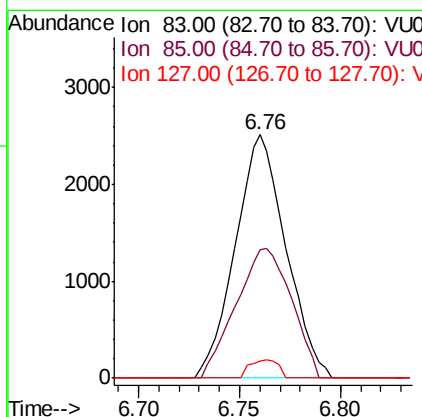
apatel

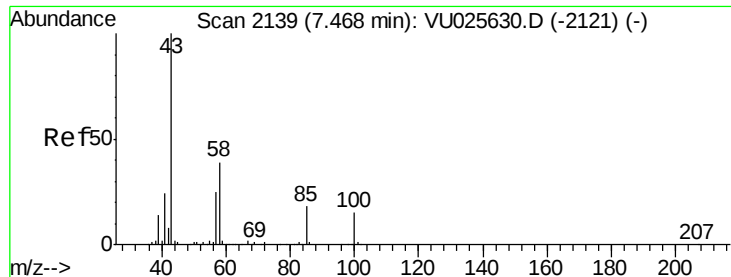
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#44
Bromodichloromethane
Concen: 0.267 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.6	52.2	78.4
127	6.9	7.0	10.4#





#45

4-Methyl-2-Pentanone

Concen: 1.352 ug/l

RT: 7.47 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

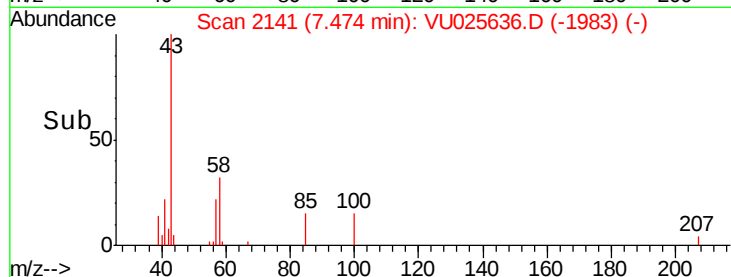
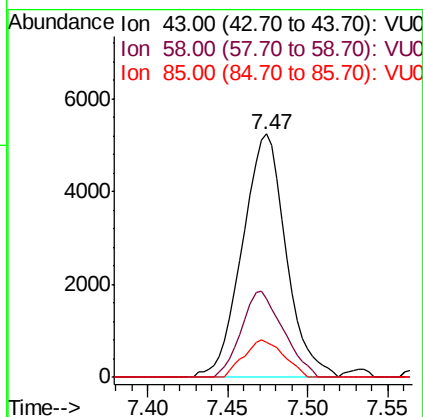
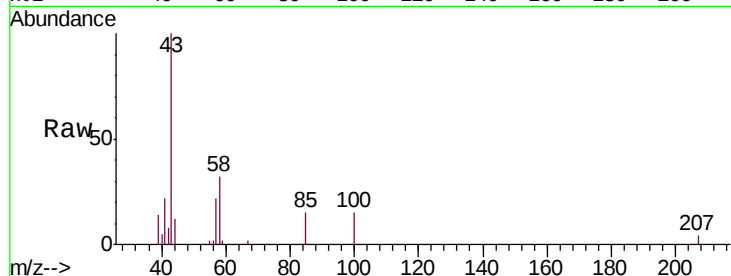
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	43	Resp:	9802
Ion	Ratio	Lower	Upper
43	100		
58	33.7	18.8	56.4
85	14.0	12.6	19.0

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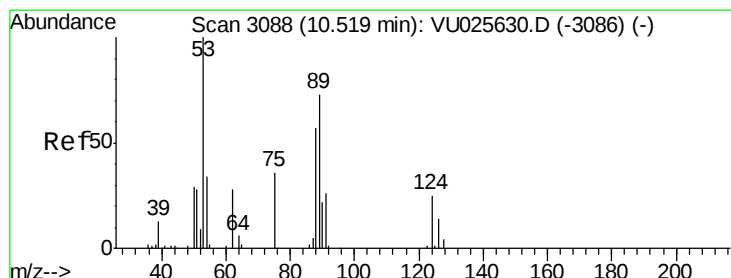
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#46

t-1,4-Dichloro-2-butene

Concen: 1.946 ug/l m

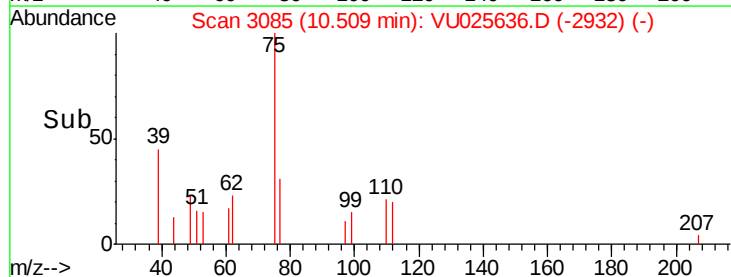
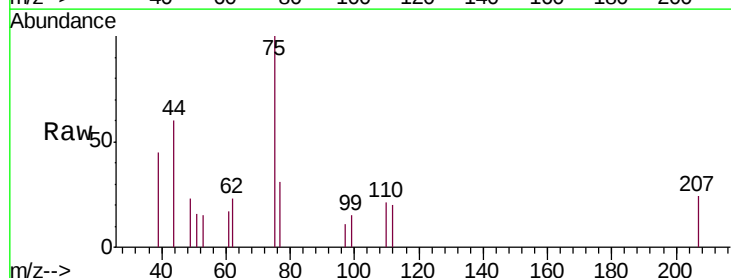
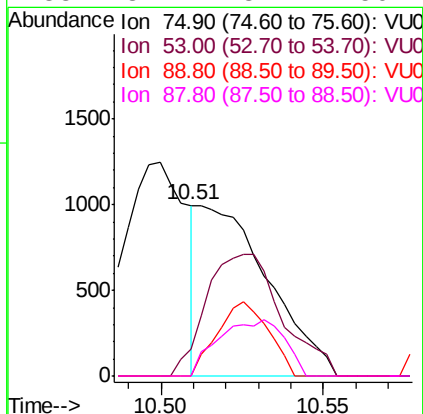
RT: 10.51 min Scan# 3085

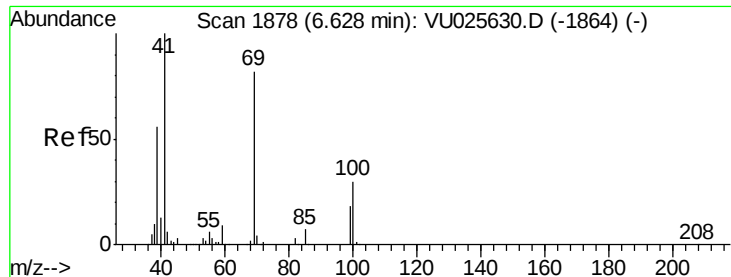
Delta R.T. -0.01 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	75	Resp:	1489
Ion	Ratio	Lower	Upper
75	100		
53	77.3	82.2	123.4#
89	31.7	51.3	76.9#
88	31.2	37.4	56.2#





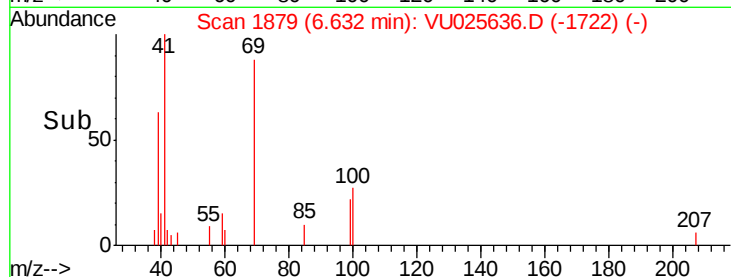
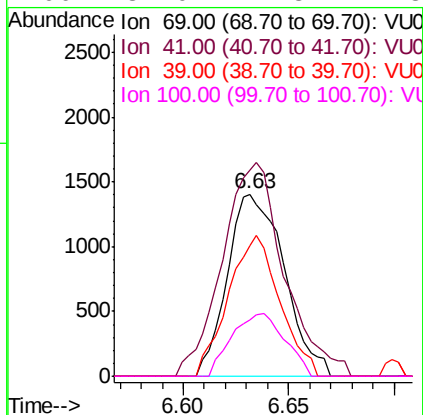
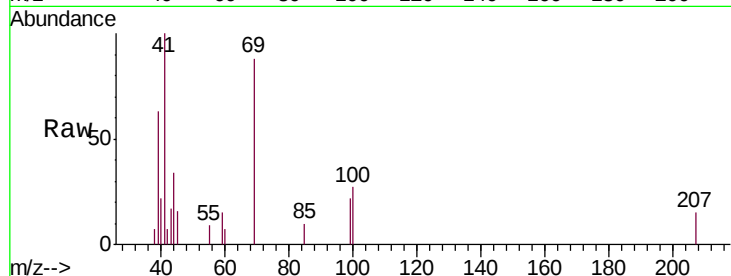
#47
Methyl methacrylate
Concen: 0.484 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	128.3	0.0	245.4		
39	69.7	49.0	73.4		
100	32.0	27.8	41.8		

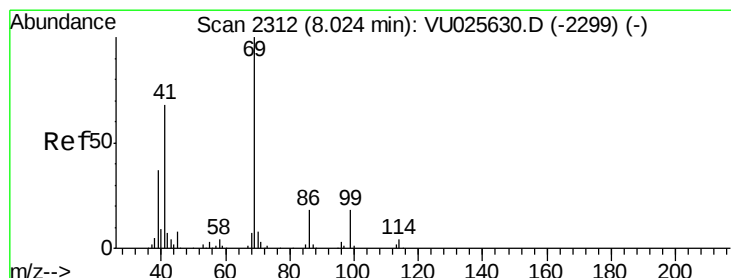
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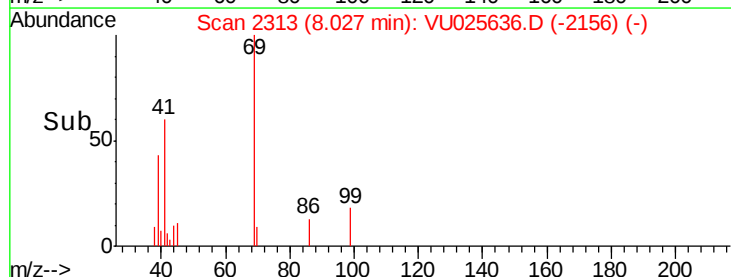
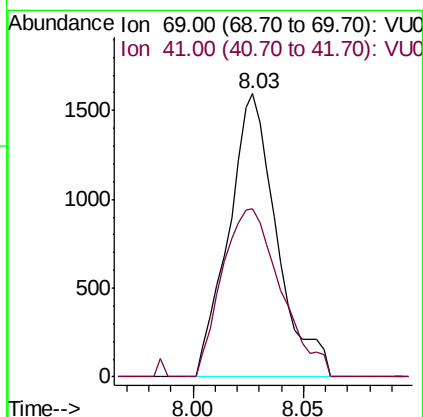
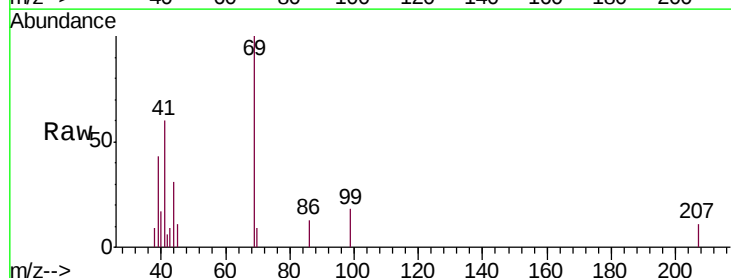
apatel

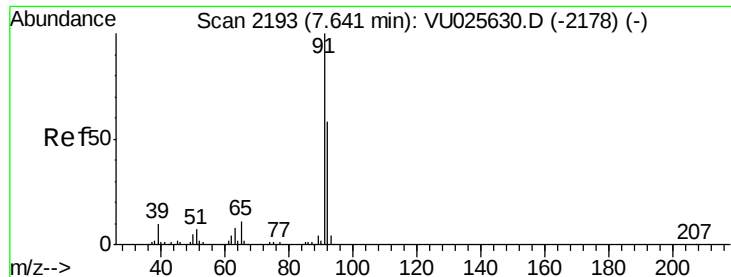
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#48
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	72.2	34.2	102.5		





#49

Toluene

Concen: 0.249 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 92 Resp: 7311

Ion Ratio Lower Upper

92 100

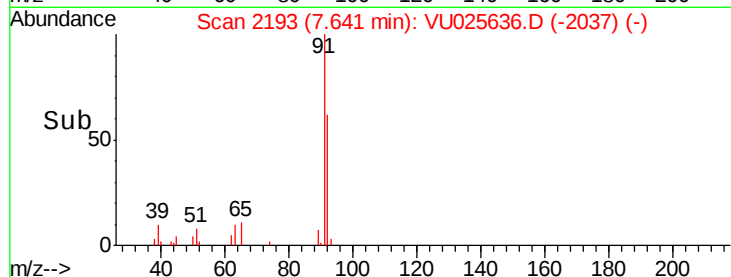
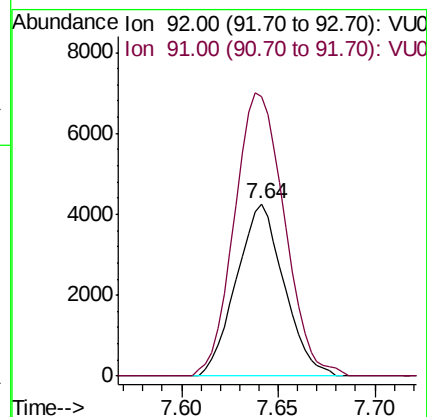
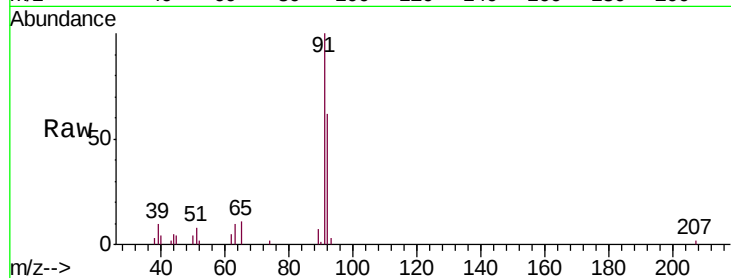
91 172.4 137.1 205.7

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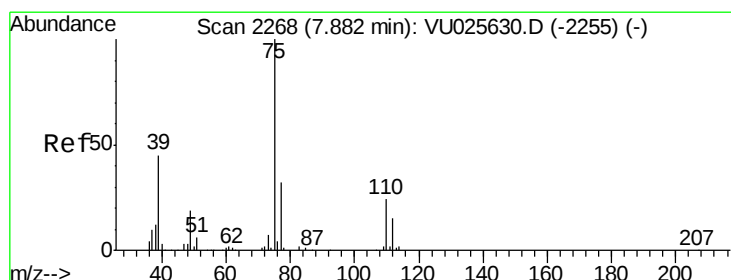
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#50

t-1,3-Dichloropropene

Concen: 0.248 ug/l

RT: 7.89 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VU025636.D

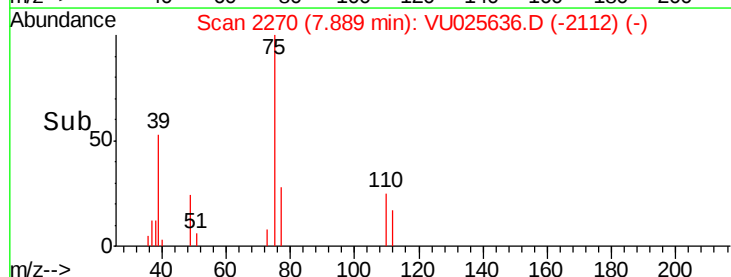
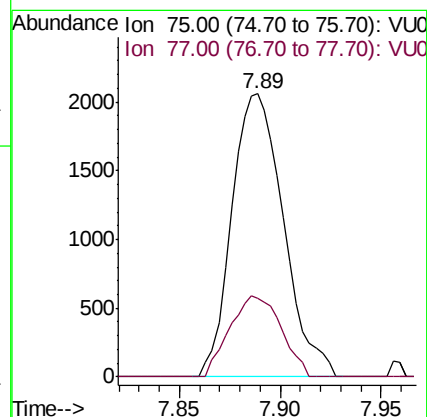
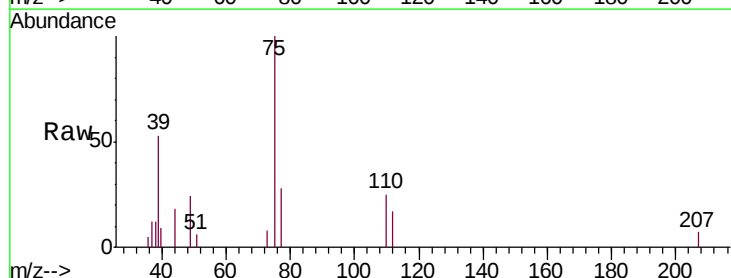
Acq: 25 Jul 2018 17:28

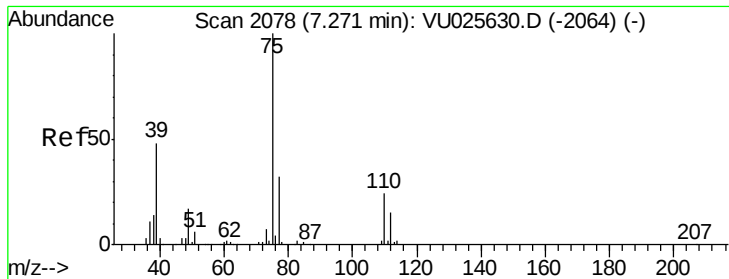
Tgt Ion: 75 Resp: 3683

Ion Ratio Lower Upper

75 100

77 27.9 25.2 37.8





#51

cis-1,3-Dichloropropene

Concen: 0.260 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

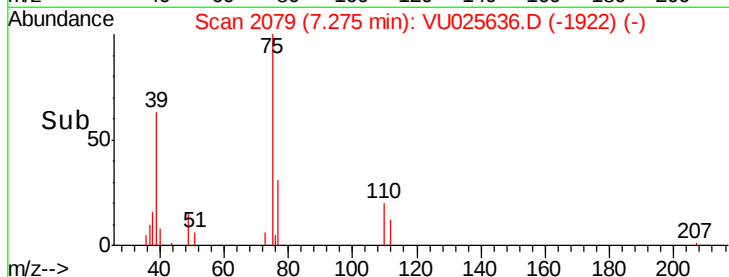
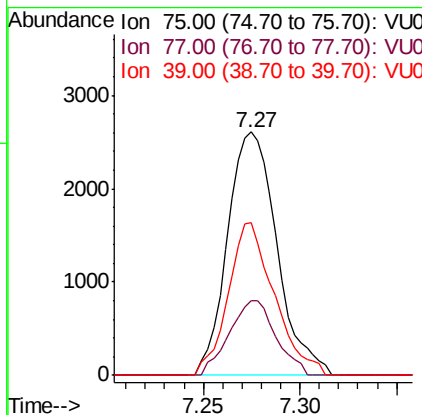
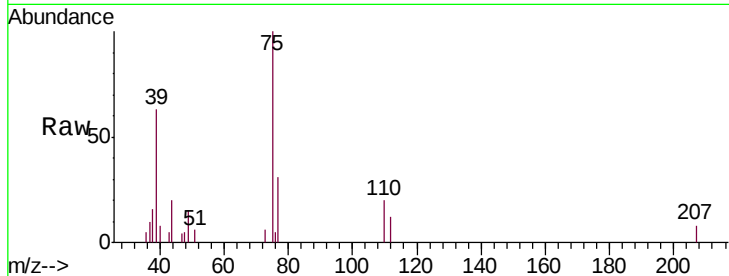
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	75	Resp:	4634
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	62.7	36.4	54.6#

Manual Integrations
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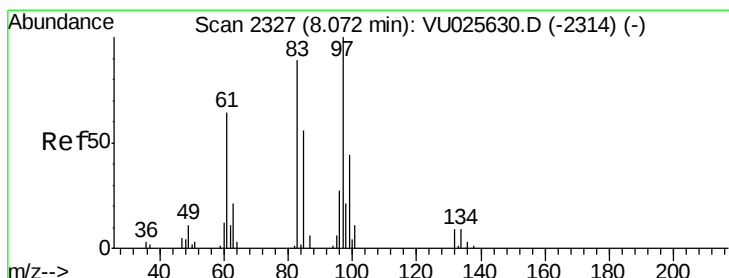
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#52

1,1,2-Trichloroethane

Concen: 0.270 ug/l

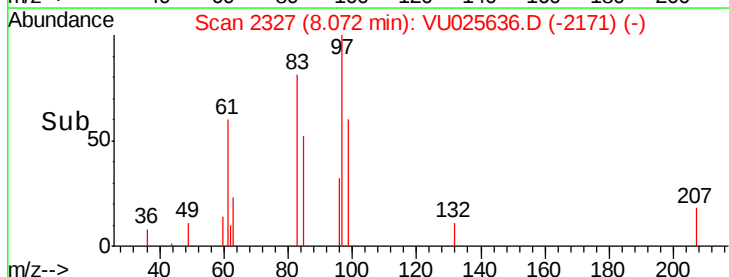
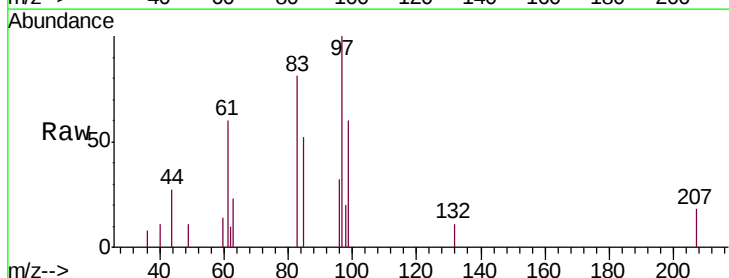
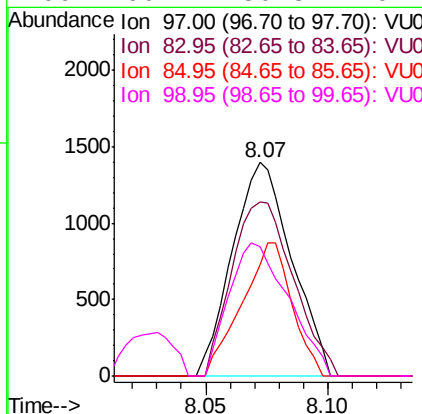
RT: 8.07 min Scan# 2327

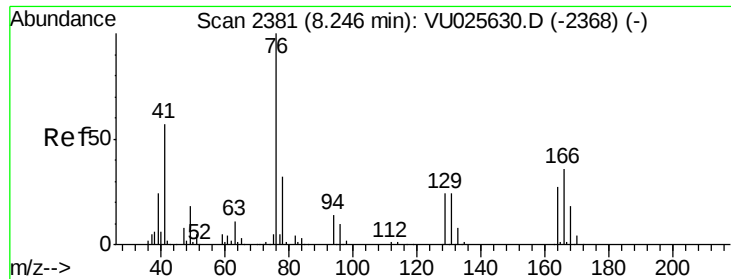
Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Tgt Ion:	97	Resp:	2352
Ion	Ratio	Lower	Upper
97	100		
83	81.4	72.6	109.0
85	52.4	47.2	70.8
99	60.4	50.8	76.2





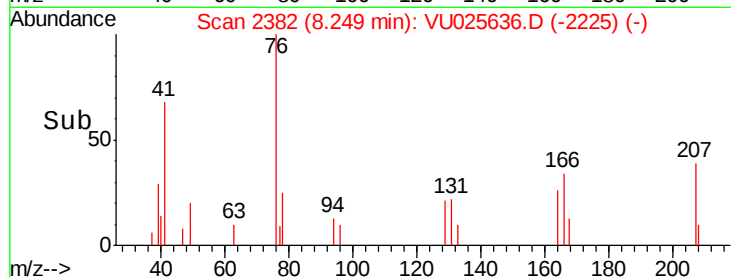
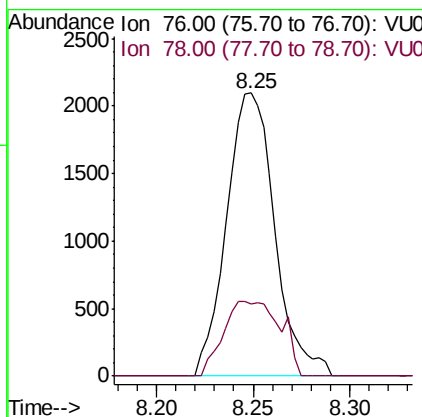
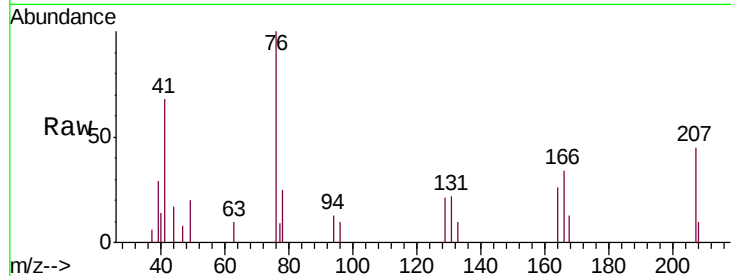
#53
 1,3-Dichloropropane
 Concen: 0.247 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion: 76 Resp: 3636
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.7 38.5

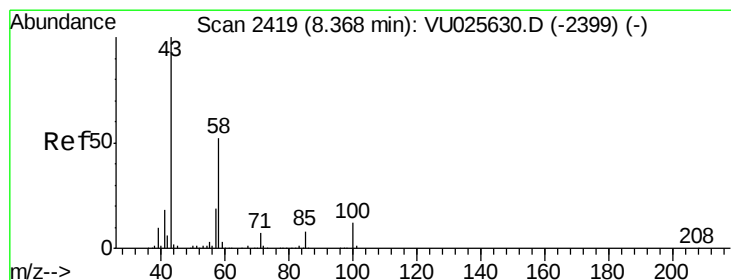
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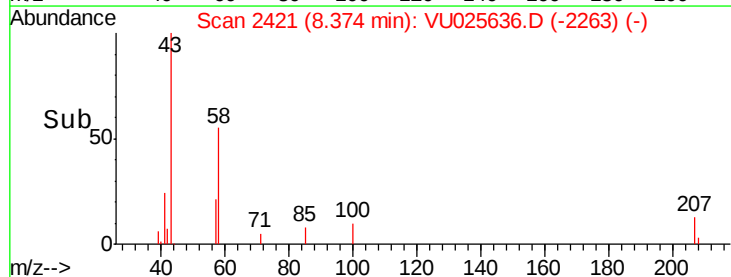
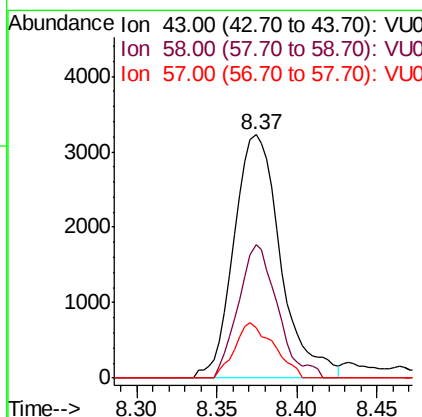
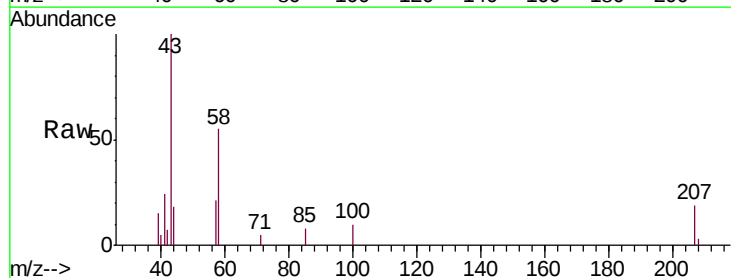
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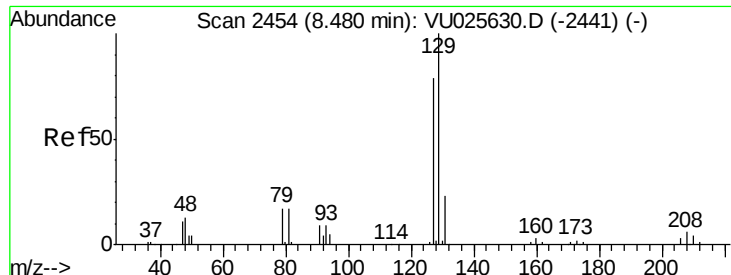
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#54
 2-Hexanone
 Concen: 1.258 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion: 43 Resp: 6444
 Ion Ratio Lower Upper
 43 100
 58 45.8 32.5 72.5
 57 18.9 0.0 37.9





#55

Dibromochloromethane

Concen: 0.234 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:129 Resp: 2596

Ion Ratio Lower Upper

129 100

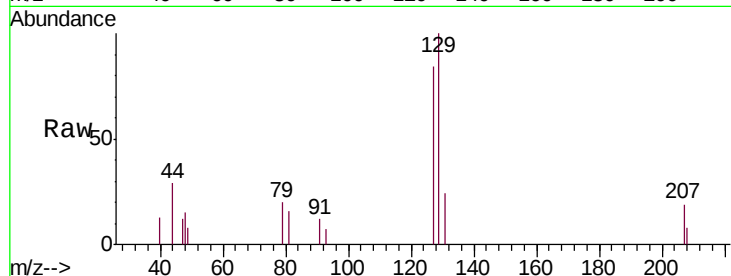
127 80.6 61.1 91.7

Manual Integrations

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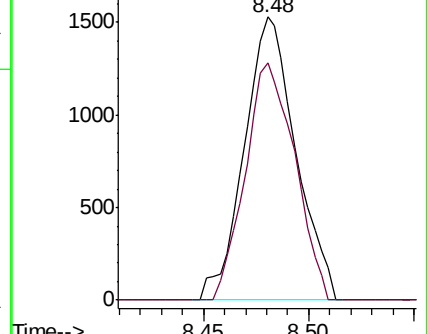
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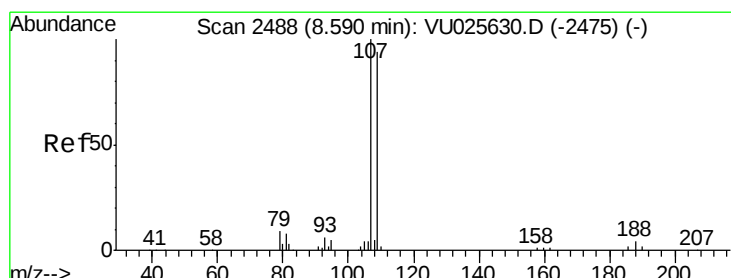
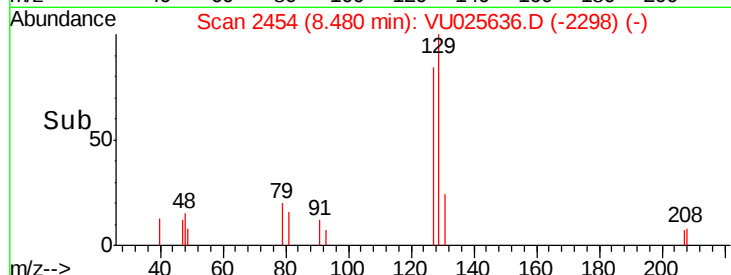
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 0.249 ug/l

RT: 8.60 min Scan# 2490

Delta R.T. 0.01 min

Lab File: VU025636.D

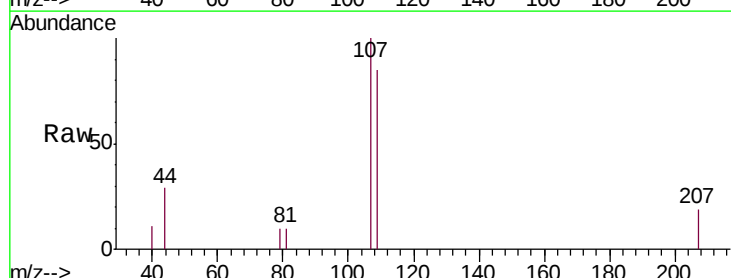
Acq: 25 Jul 2018 17:28

Tgt Ion:107 Resp: 2104

Ion Ratio Lower Upper

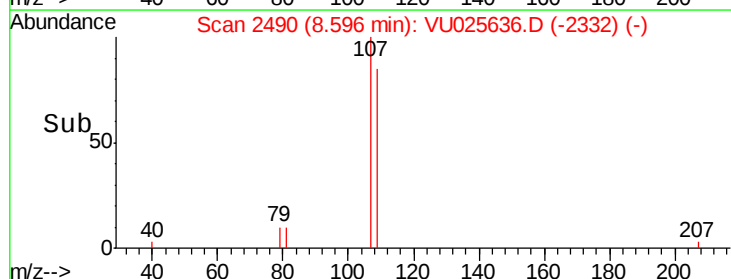
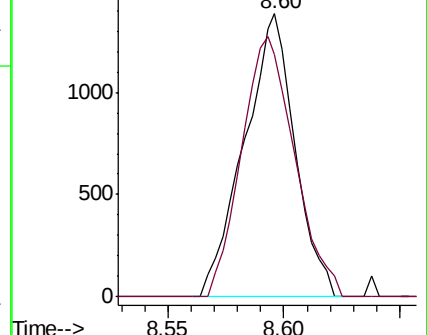
107 100

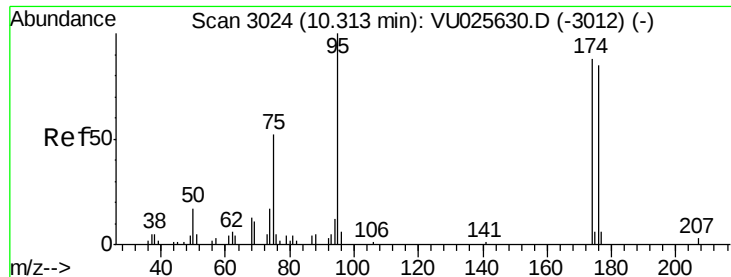
109 96.1 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





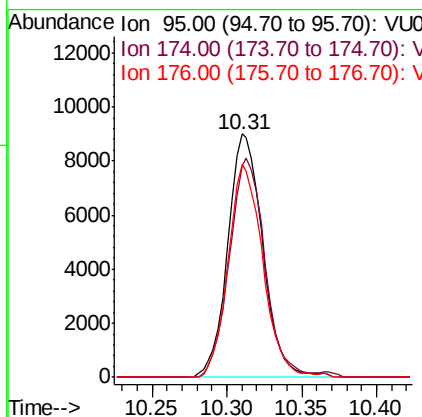
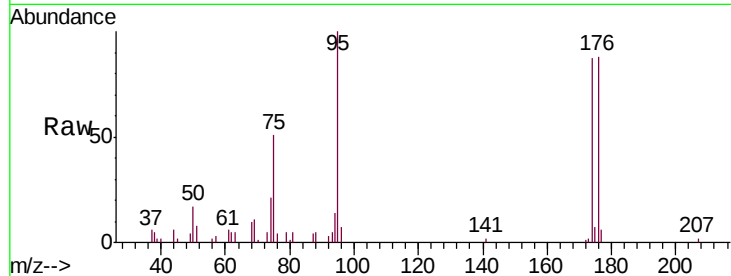
#57
4-Bromofluorobenzene
Concen: 0.249 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.3	65.6	98.4
176	86.6	62.0	93.0

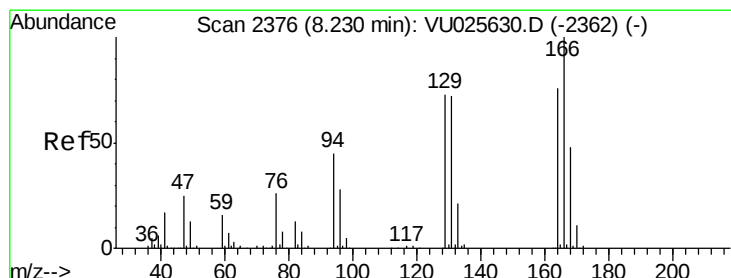
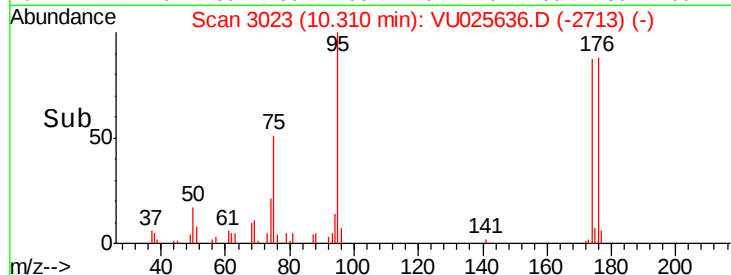
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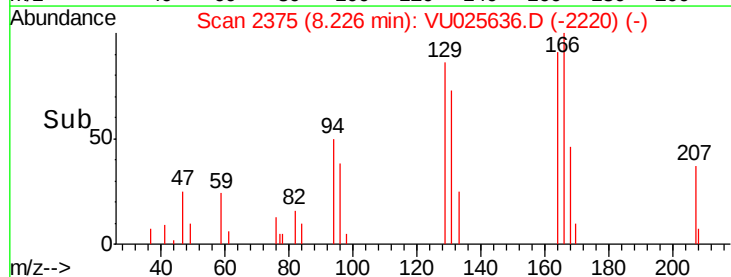
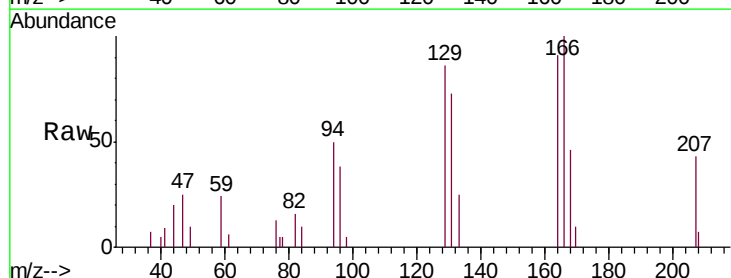
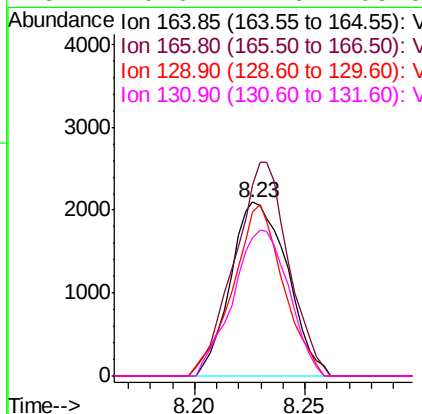
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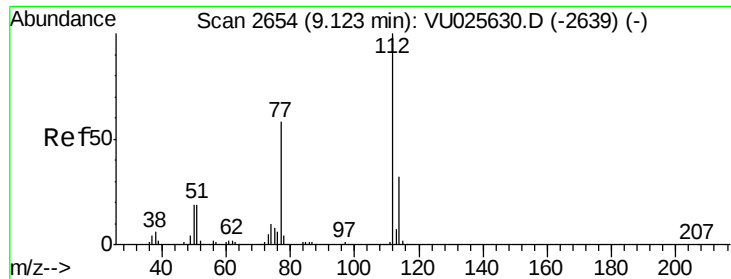
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#58
Tetrachloroethene
Concen: 0.294 ug/l
RT: 8.23 min Scan# 2375
Delta R.T. -0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	109.4	104.1	156.1
129	94.3	76.8	115.2
131	79.6	72.6	108.8





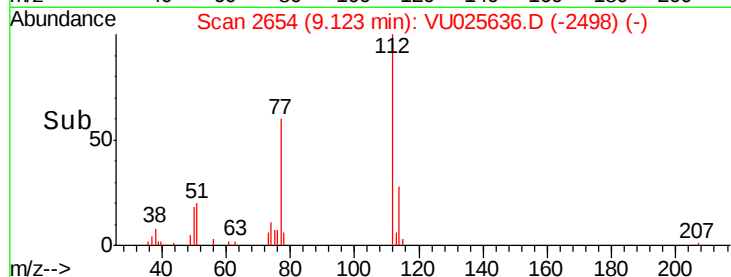
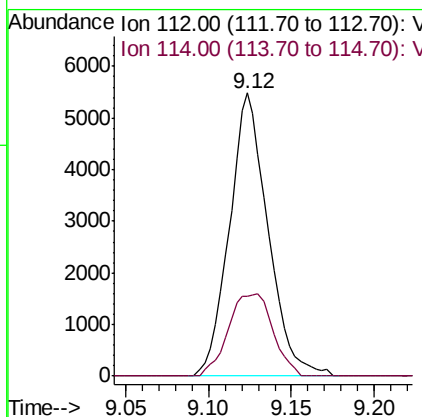
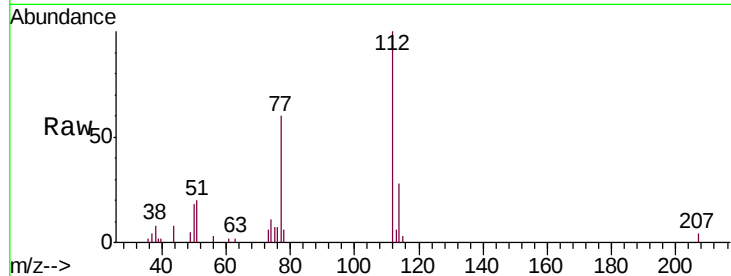
#59
Chlorobenzene
Concen: 0.263 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.1	25.4	38.2

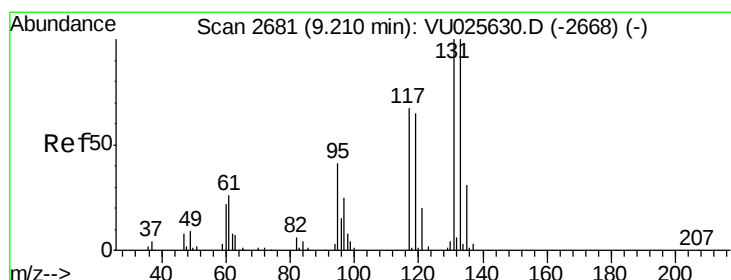
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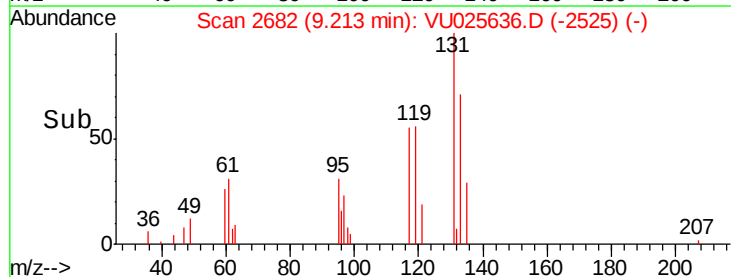
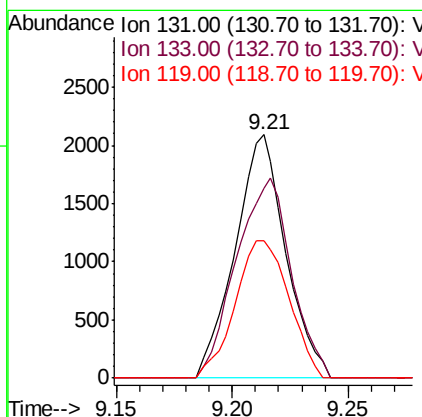
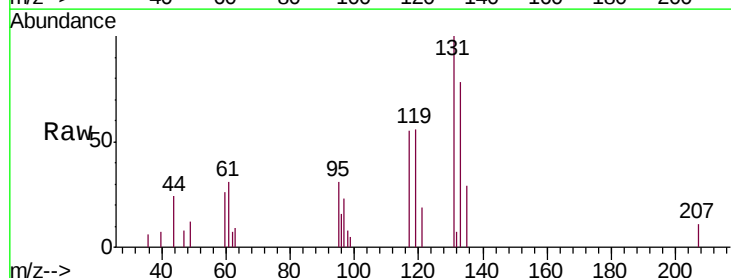
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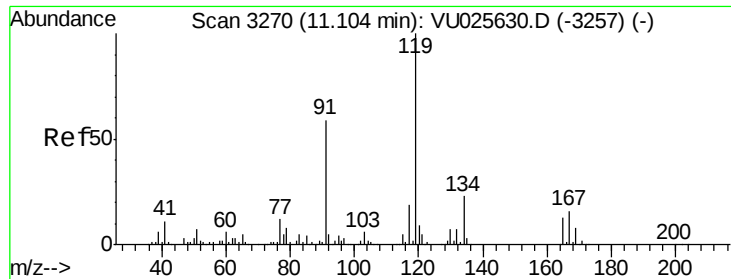
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.254 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	89.3	75.8	113.8
119	59.8	53.0	79.6





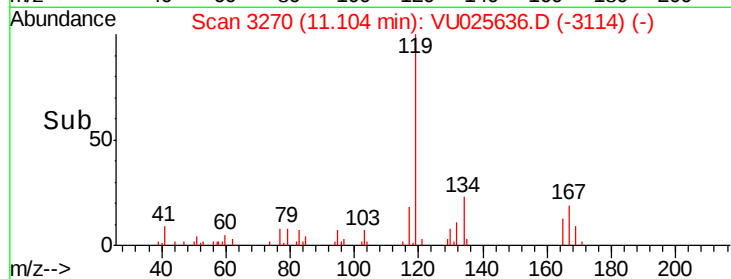
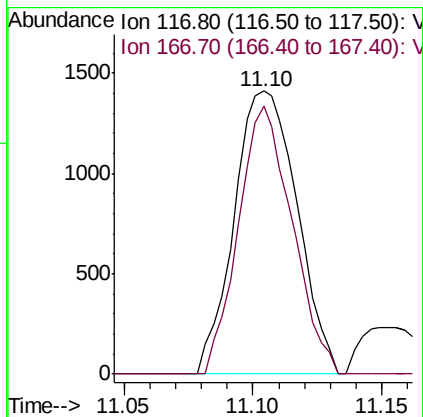
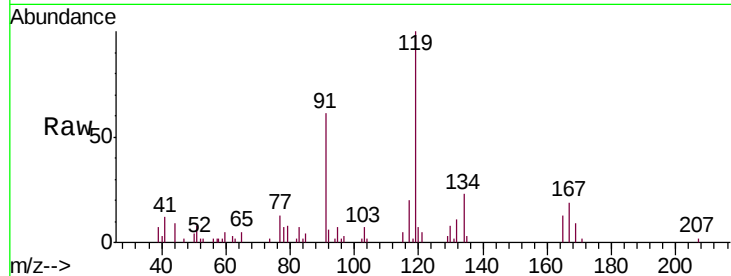
#61
 Pentachloroethane
 Concen: 0.251 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
167	81.0	69.2	103.8

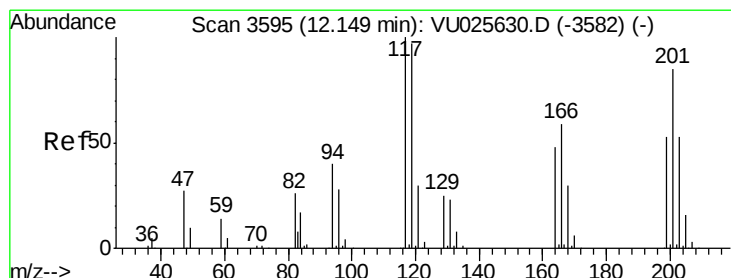
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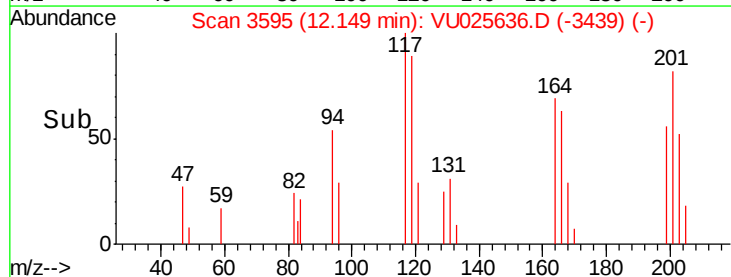
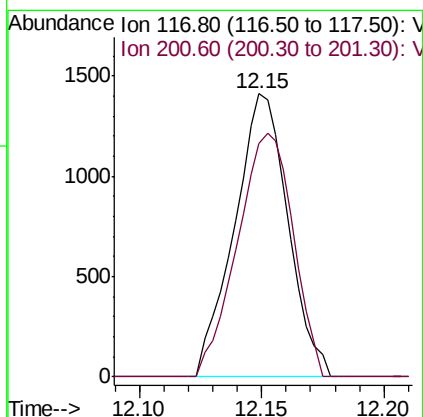
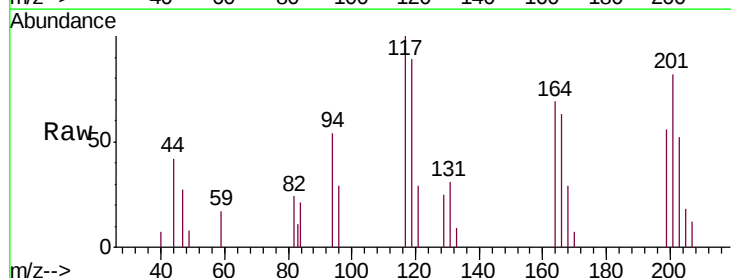
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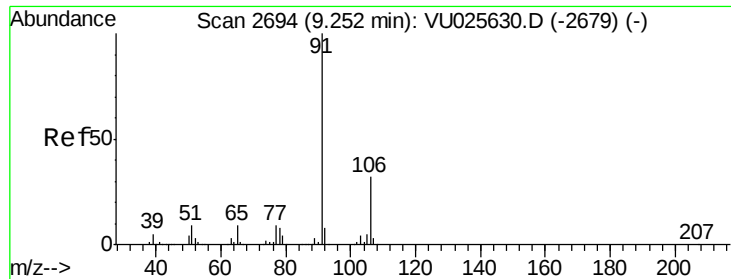
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#62
 Hexachloroethane
 Concen: 0.220 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	68.7	103.1





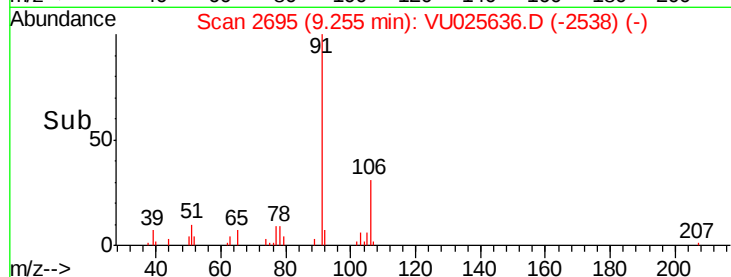
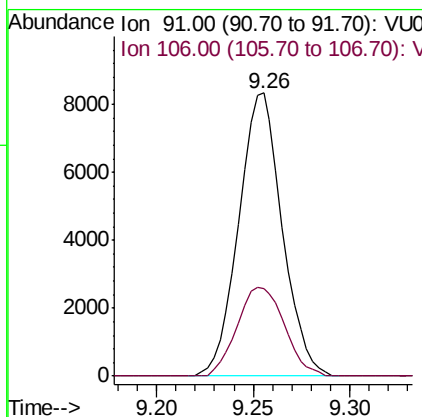
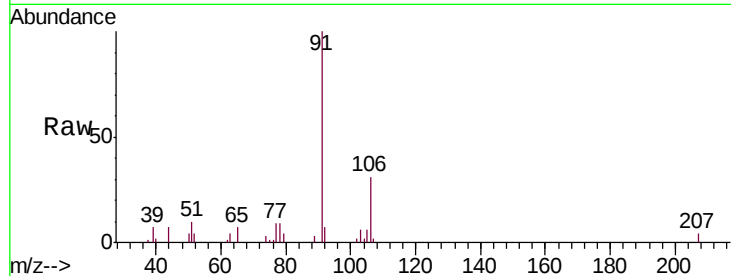
#63
Ethyl Benzene
Concen: 0.233 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 13050
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

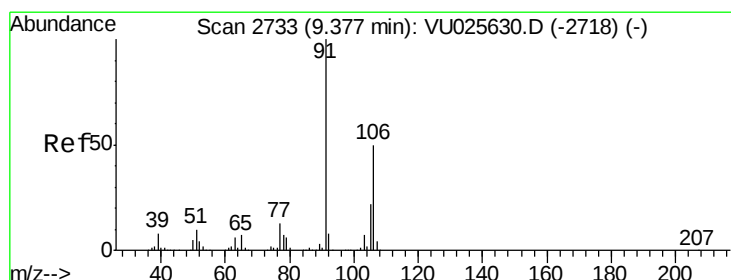
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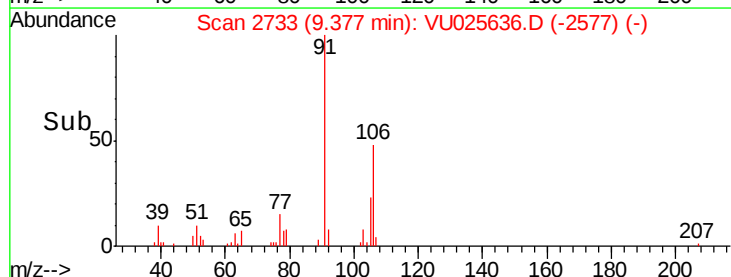
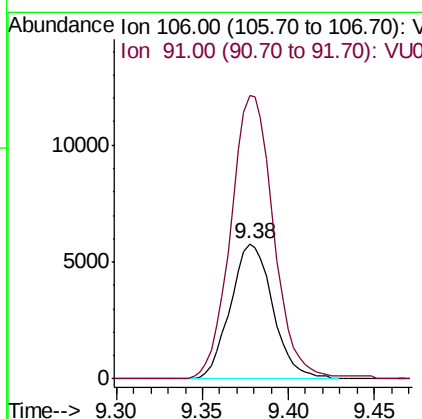
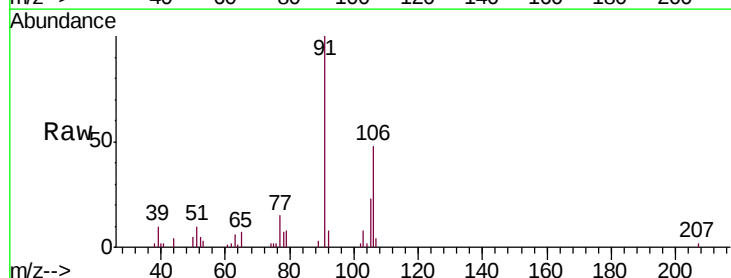
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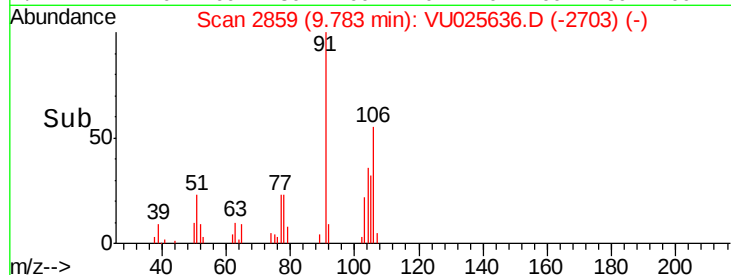
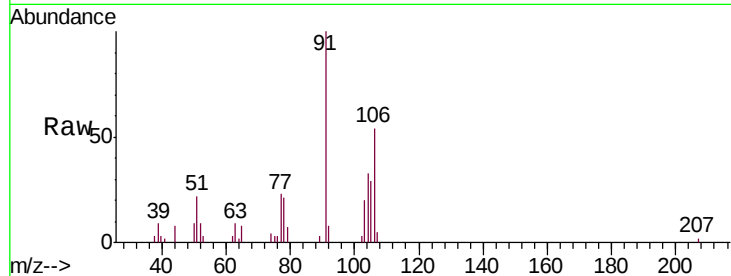
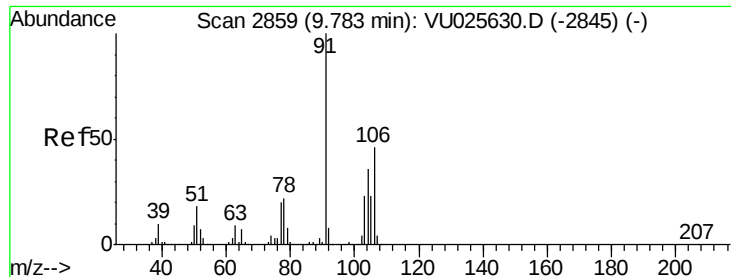
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#64
m/p-Xylenes
Concen: 0.448 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion: 106 Resp: 9892
Ion Ratio Lower Upper
106 100
91 212.7 164.1 246.1





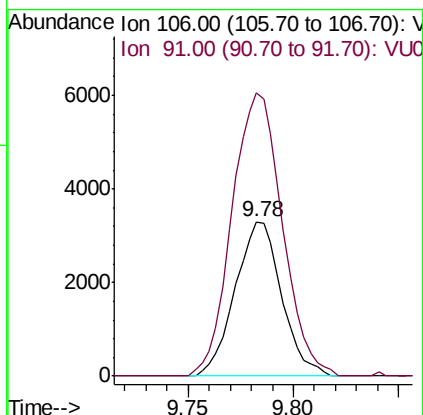
#65
o-Xylene
Concen: 0.240 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tot Ion:106 Resp: 5042
Ion Ratio Lower Upper
106 100
91 198.5 107.9 323.7

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

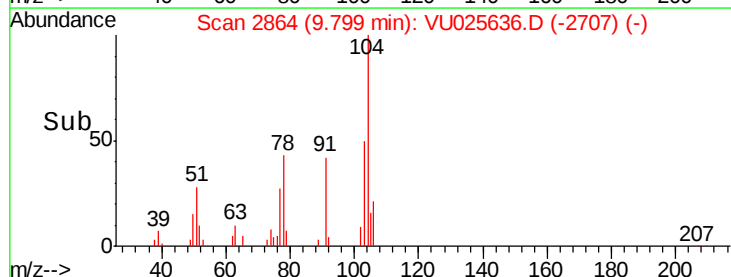
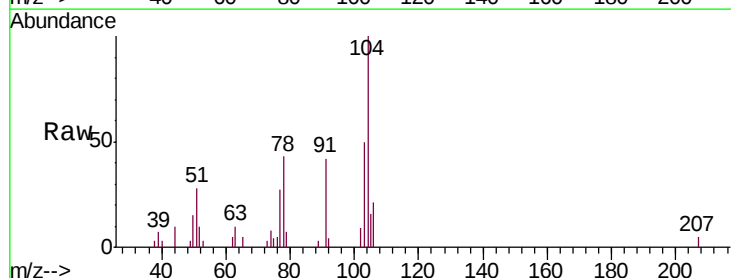
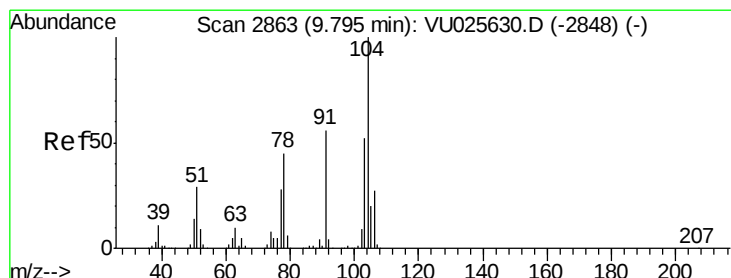
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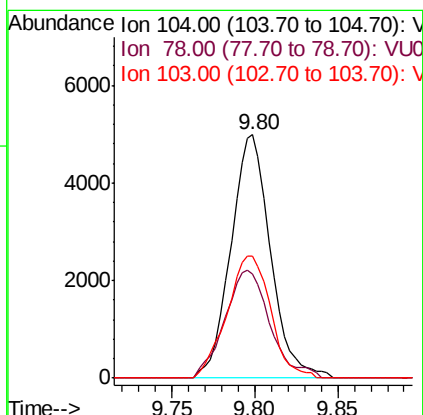
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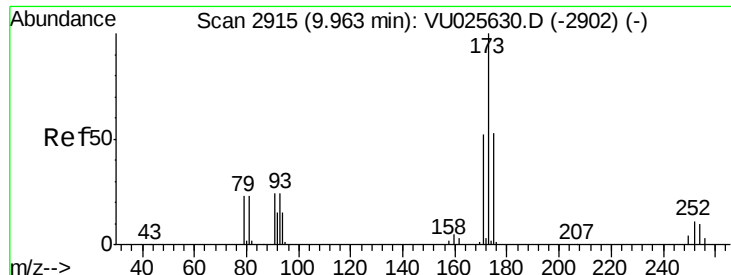
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#66
Styrene
Concen: 0.232 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion:104 Resp: 8281
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.2
103 55.3 44.2 66.4





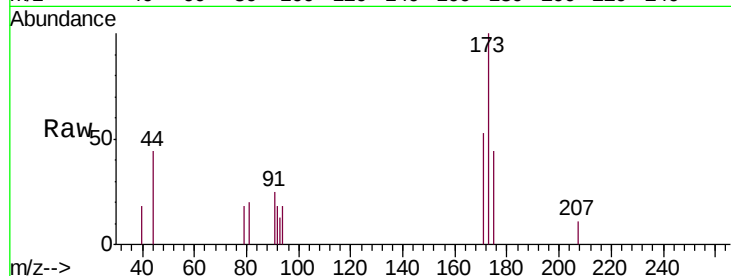
#67
Bromoform
Concen: 0.225 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

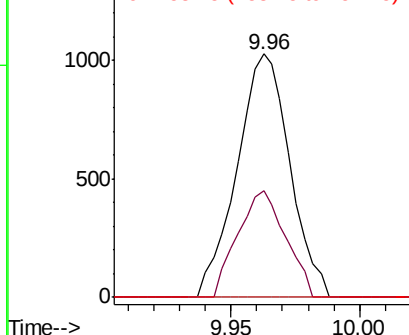
Tot Ion	Ratio	Lower	Upper
173	100		
175	39.6	38.6	57.8
254	0.0	8.8	13.2#

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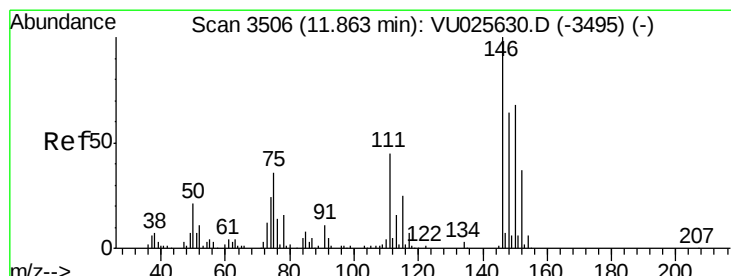
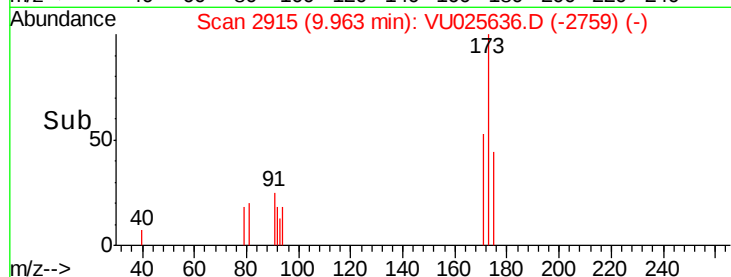


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



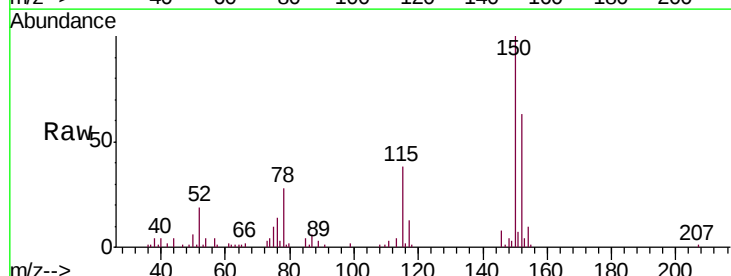
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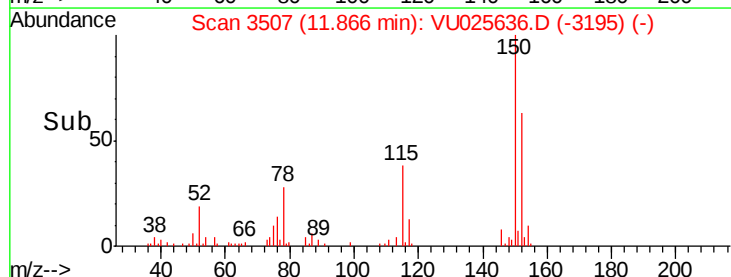
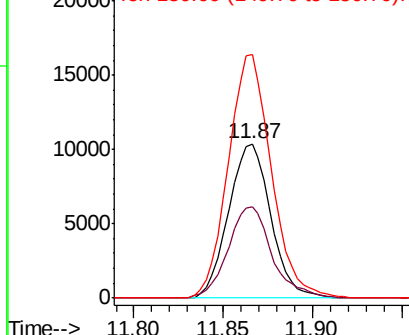


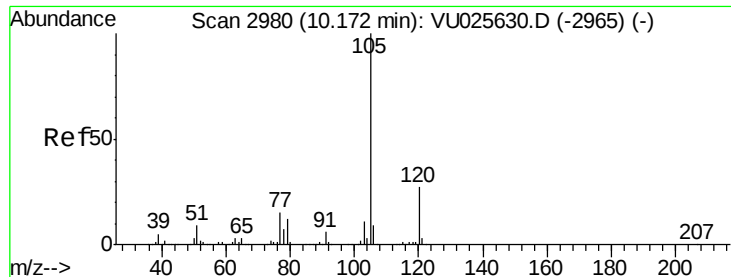
#68
1,2-Dichlorobenzene-d4
Concen: 0.225 ug/l
RT: 11.87 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	0.0	118.8
150	161.3	0.0	0.0#



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





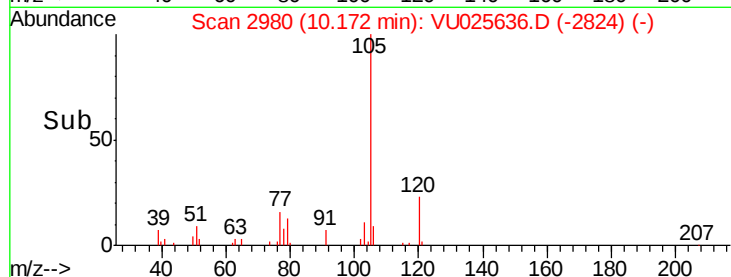
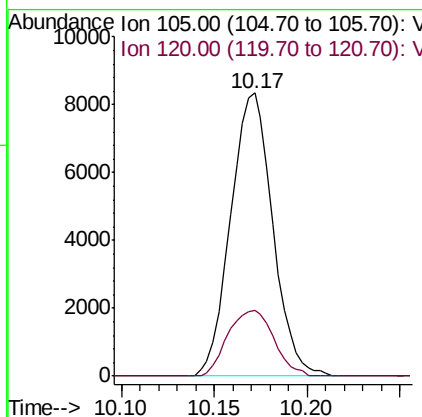
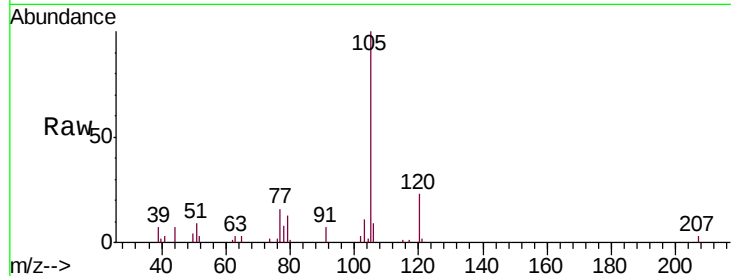
#69
Isopropylbenzene
Concen: 0.231 ug/l
RT: 10.17 min Scan# 2980
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.3

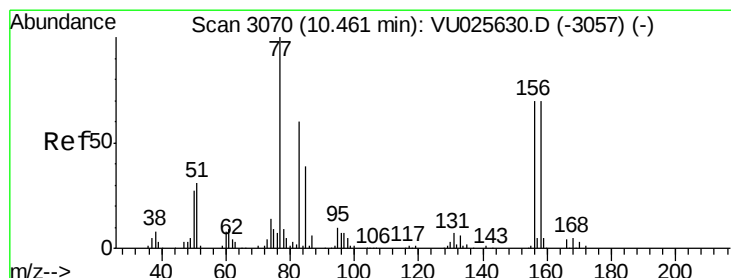
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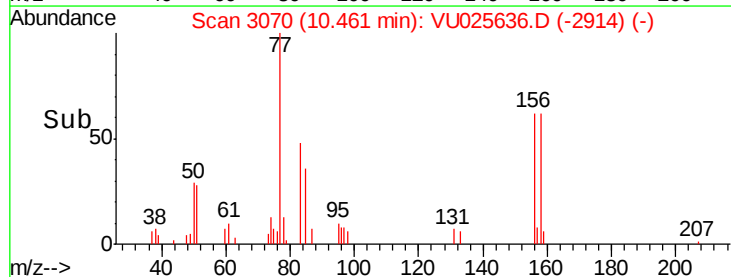
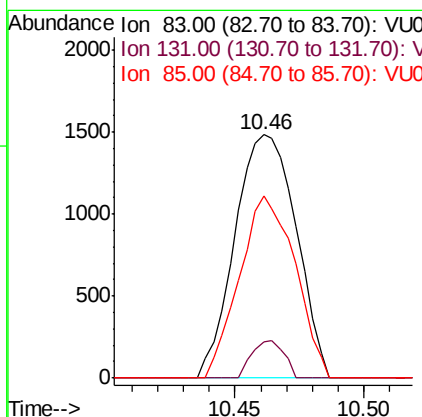
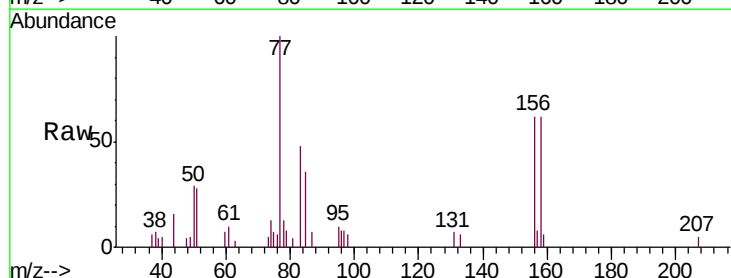
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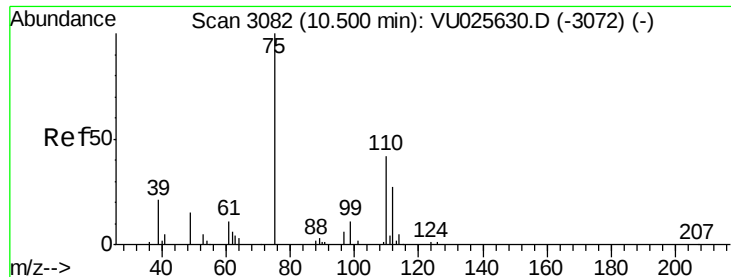
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#70
1,1,2,2-Tetrachloroethane
Concen: 0.224 ug/l
RT: 10.46 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.2	7.9	11.9
85	68.1	51.8	77.6





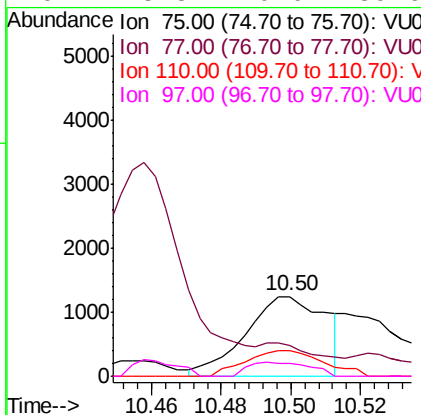
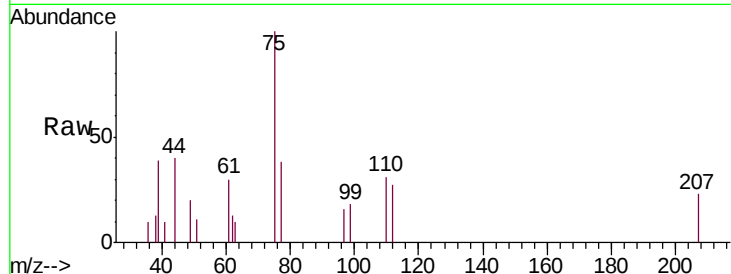
#71
 1,2,3-Trichloropropane
 Concen: 0.233 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.0	0.0	0.0#
110	31.2	0.0	74.0
97	13.8	0.0	39.6

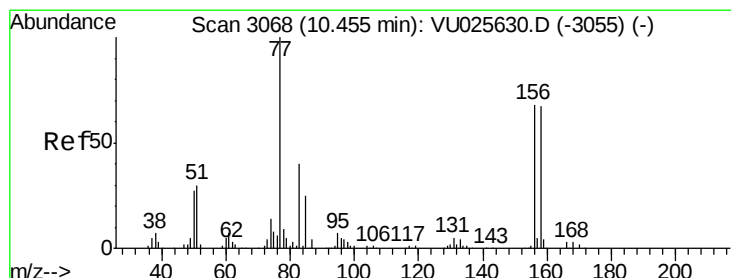
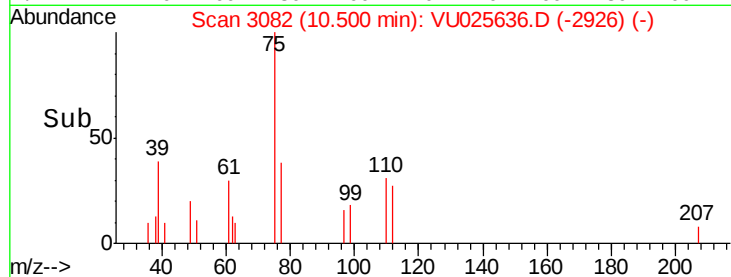
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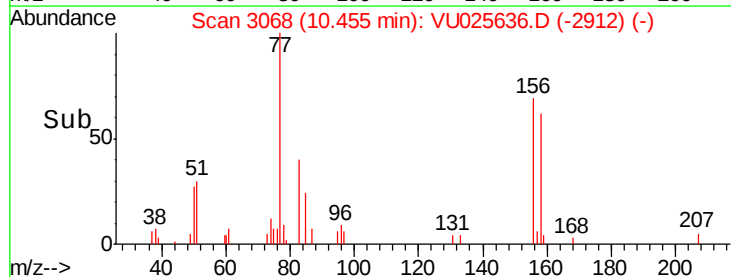
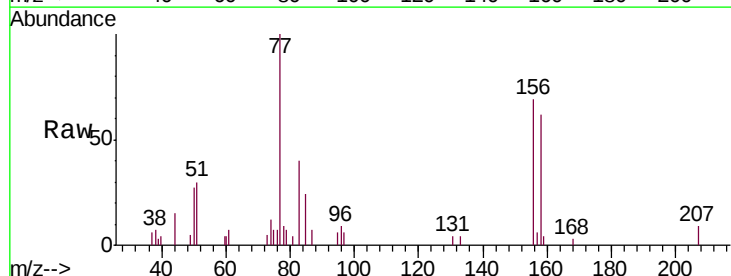
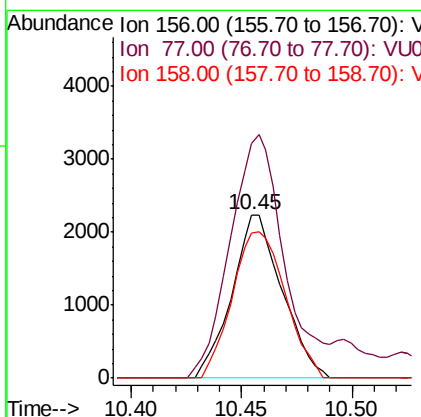
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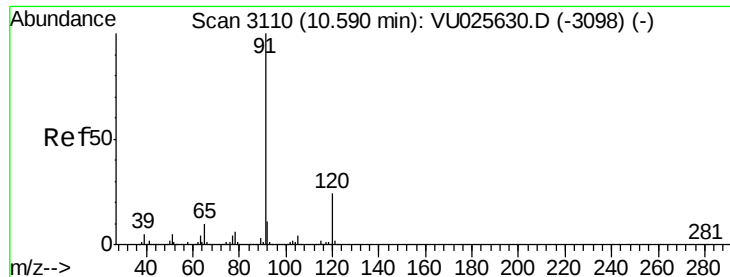
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#72
 Bromobenzene
 Concen: 0.239 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
156	100		
77	162.0	0.0	309.8
158	94.9	0.0	193.0





#73

n-propylbenzene

Concen: 0.212 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:120 Resp: 3400

Ion Ratio Lower Upper

120 100

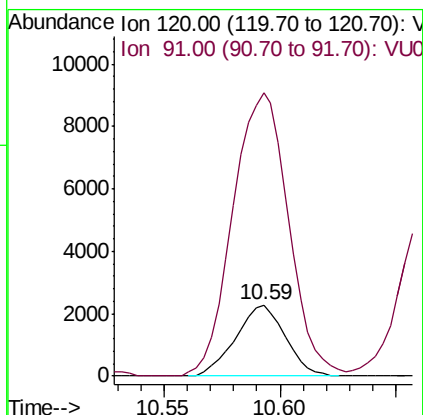
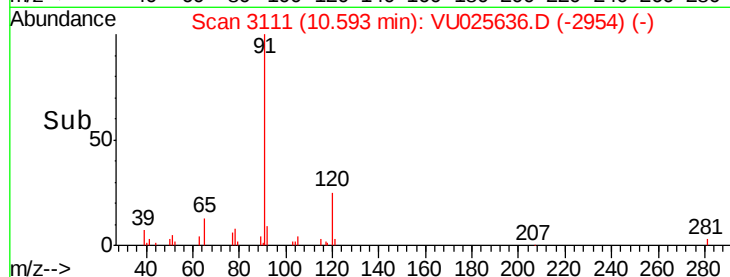
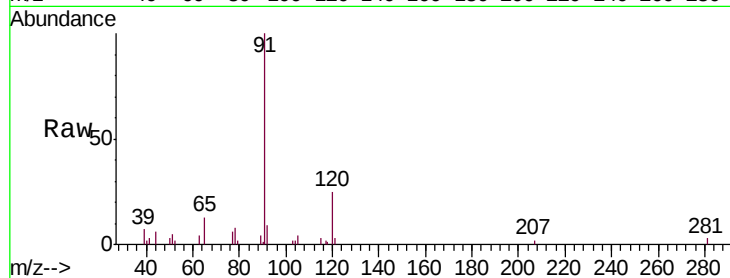
91 445.5 352.2 528.4

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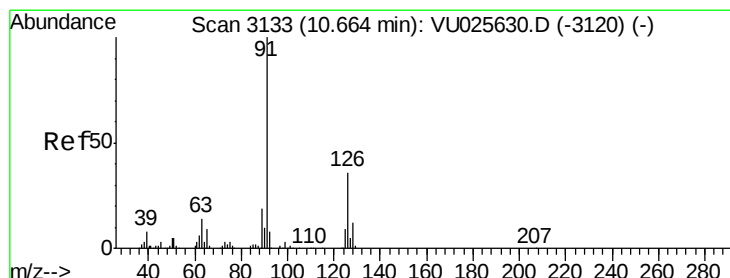
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#74

2-Chlorotoluene

Concen: 0.227 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025636.D

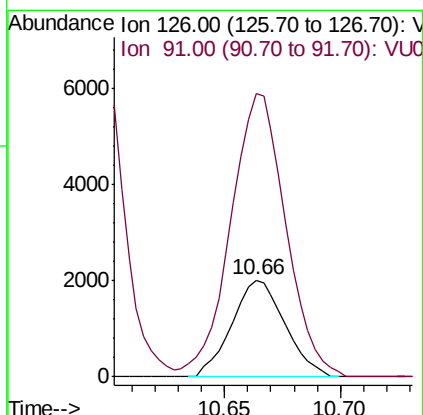
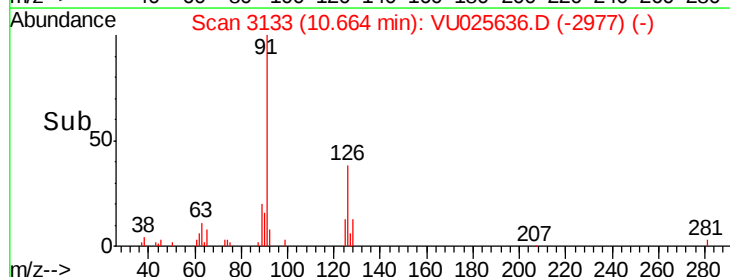
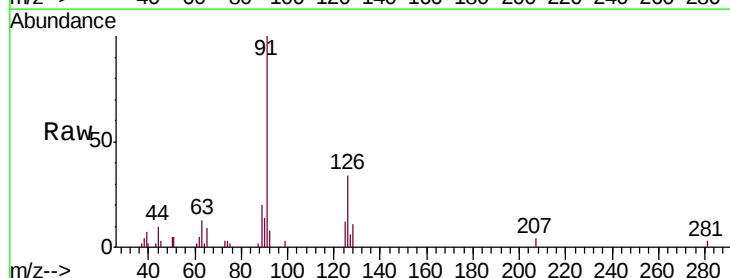
Acq: 25 Jul 2018 17:28

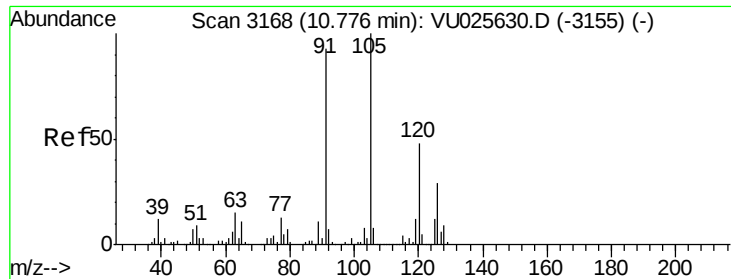
Tgt Ion:126 Resp: 3193

Ion Ratio Lower Upper

126 100

91 304.6 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 0.216 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 10700

Ion Ratio Lower Upper

105 100

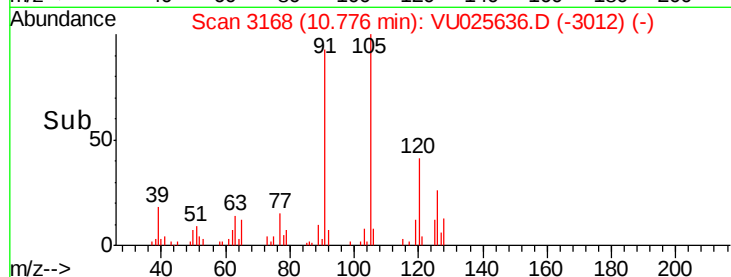
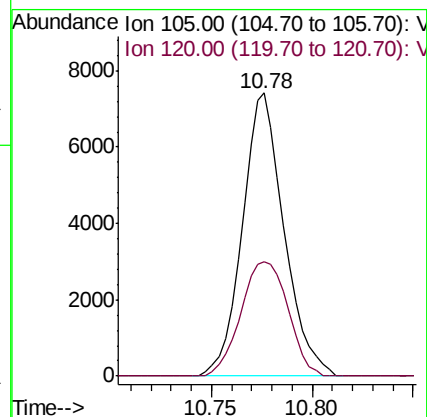
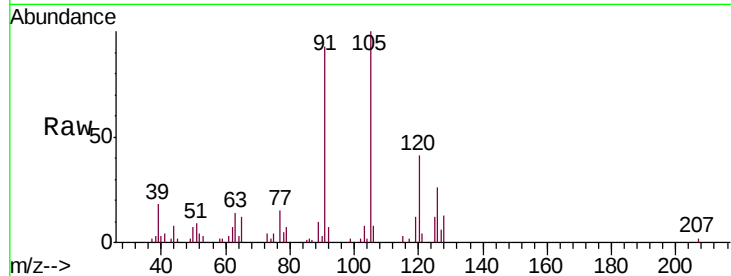
120 46.0 39.0 58.6

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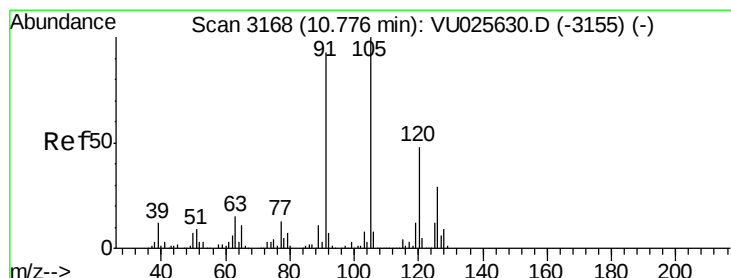
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#76

4-Chlorotoluene

Concen: 0.218 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025636.D

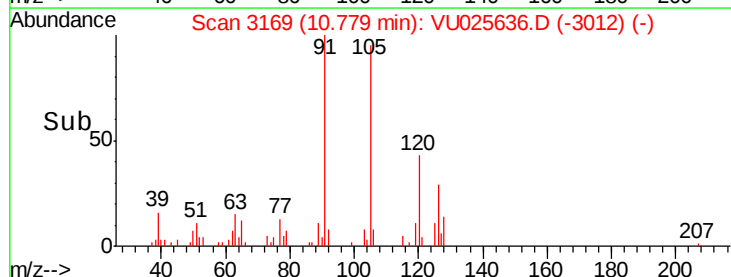
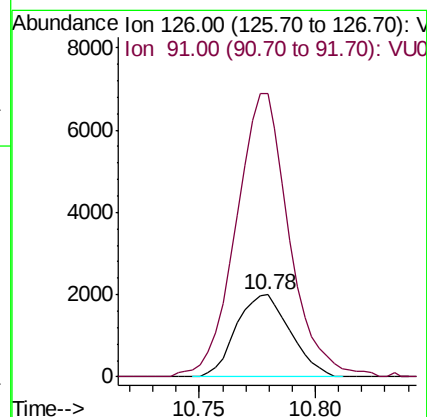
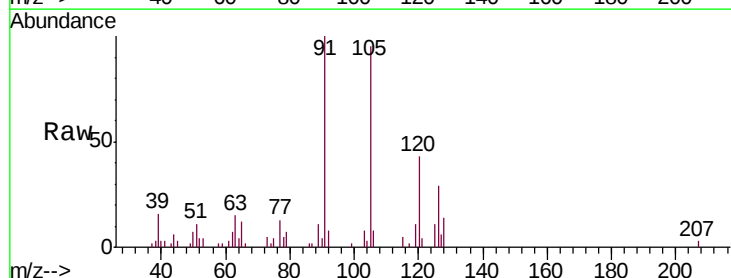
Acq: 25 Jul 2018 17:28

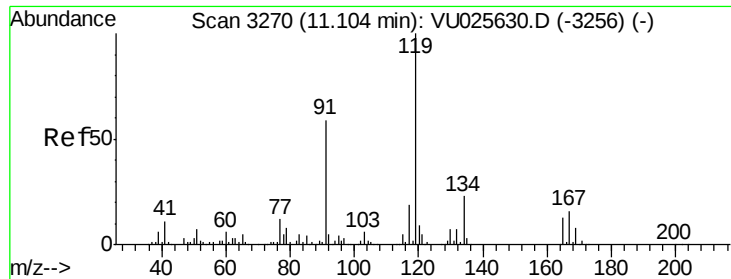
Tgt Ion:126 Resp: 3229

Ion Ratio Lower Upper

126 100

91 340.2 0.0 667.2





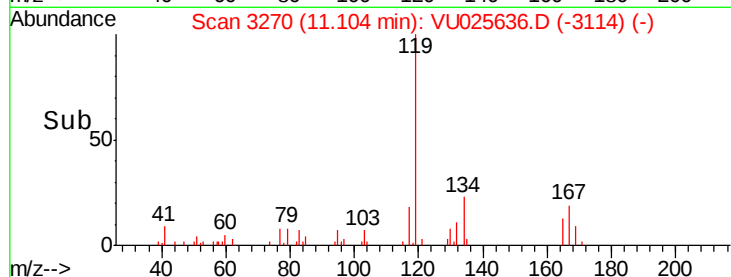
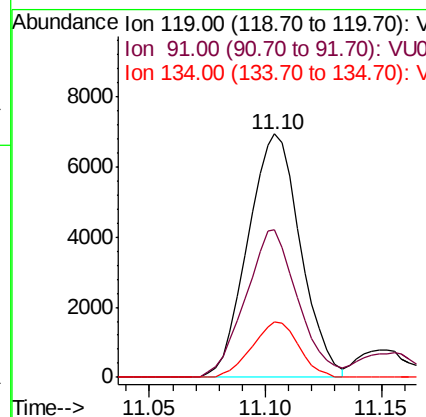
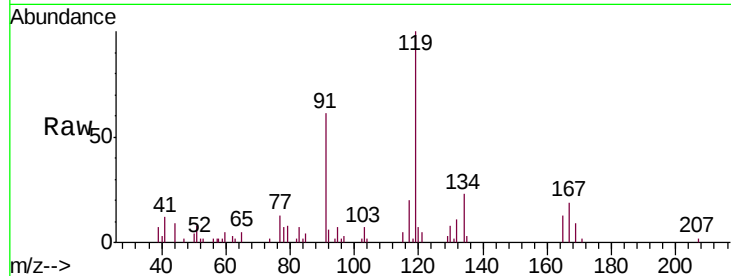
#77
 tert-Butylbenzene
 Concen: 0.224 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.6	88.8
134	20.3	19.1	28.7

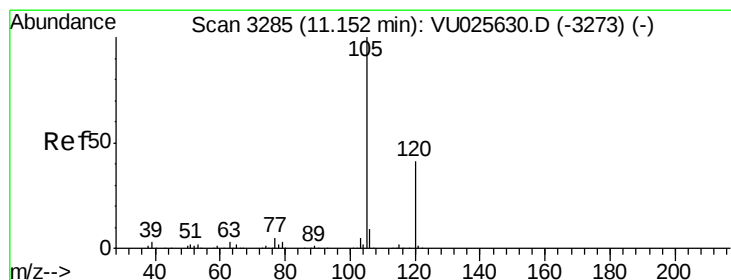
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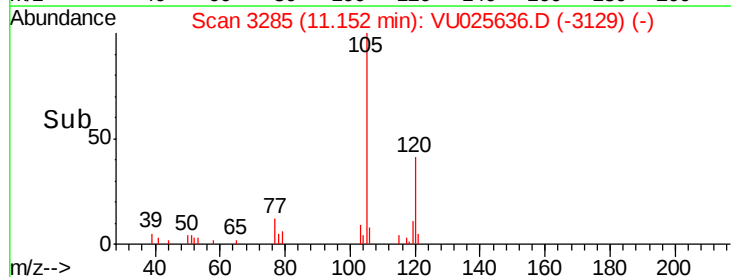
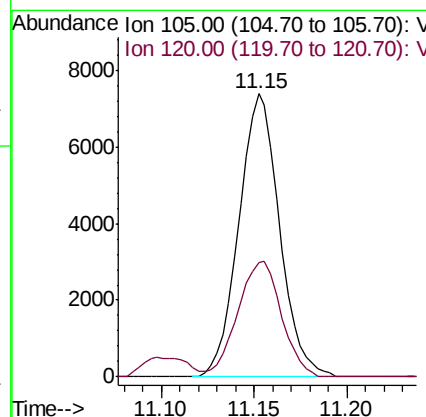
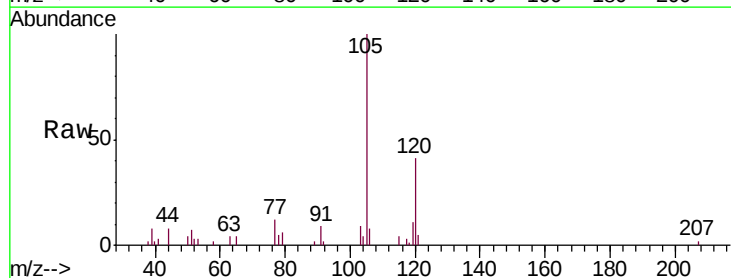
apatel

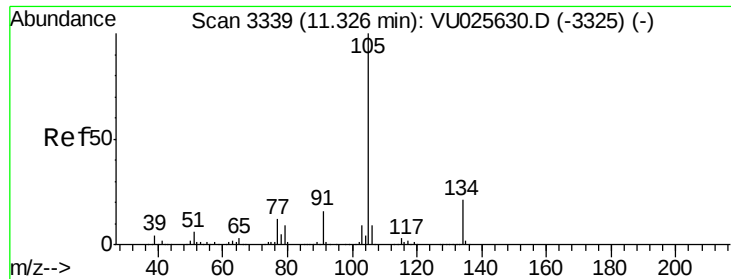
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.222 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	23.1	69.3





#79

sec-Butylbenzene

Concen: 0.227 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 105 Resp: 14557

Ion Ratio Lower Upper

105 100

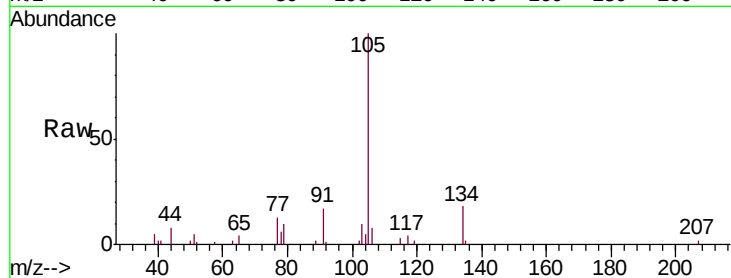
134 18.9 15.6 23.4

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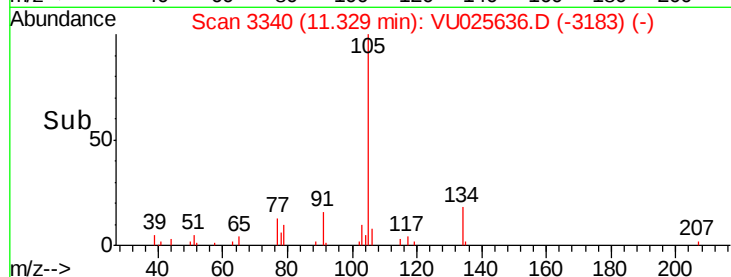
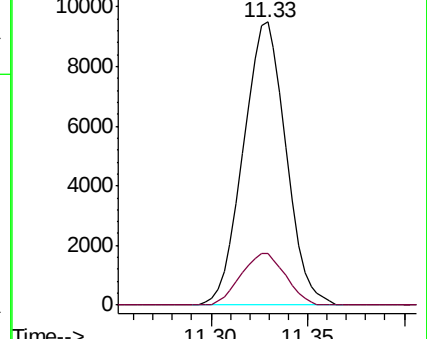
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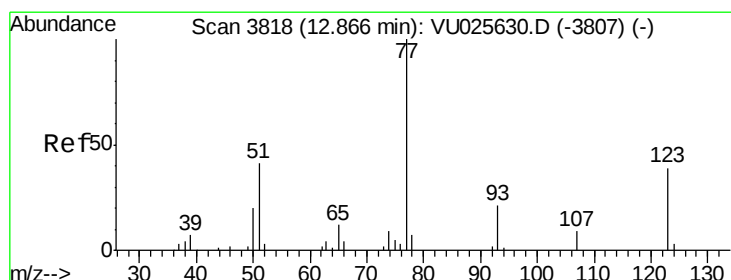
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 1.479 ug/l

RT: 12.87 min Scan# 3819

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

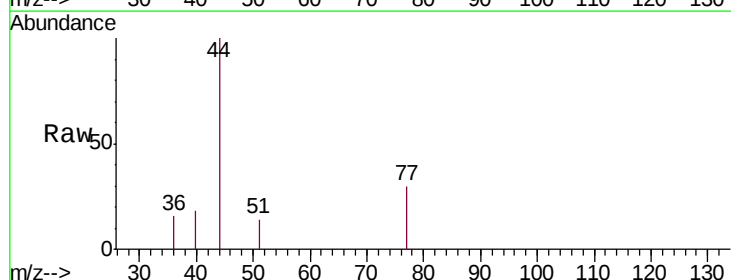
Tgt Ion: 77 Resp: 493

Ion Ratio Lower Upper

77 100

123 0.0 19.4 68.6#

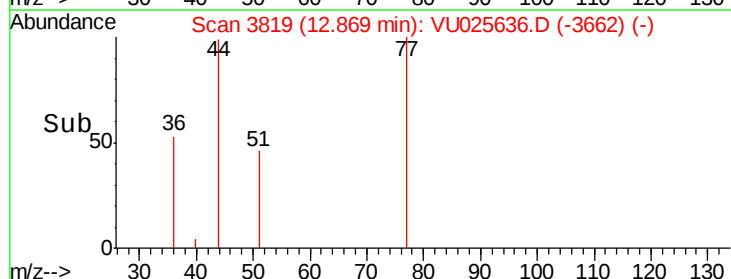
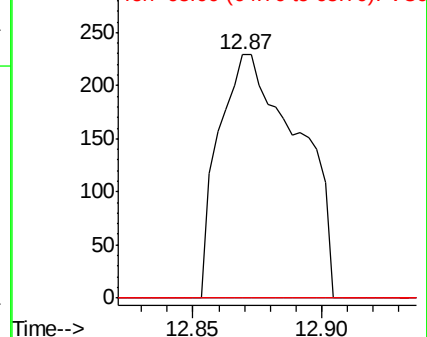
65 0.0 11.2 14.2#

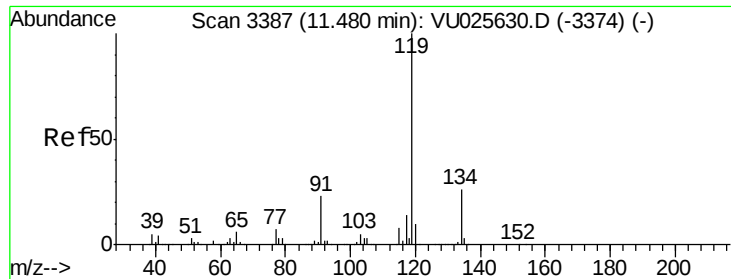


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





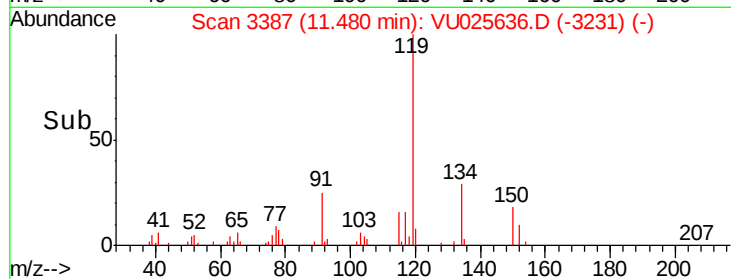
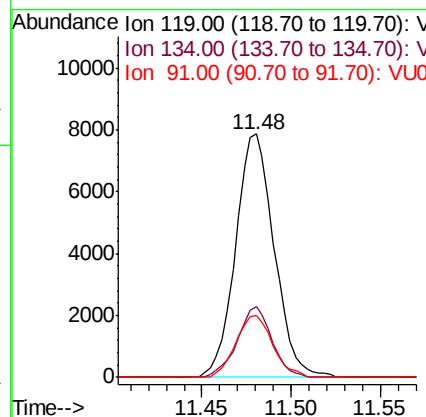
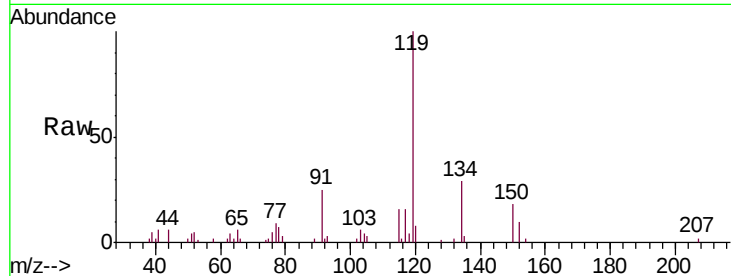
#81
 p-Isopropyltoluene
 Concen: 0.216 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	24.1	18.2	27.2

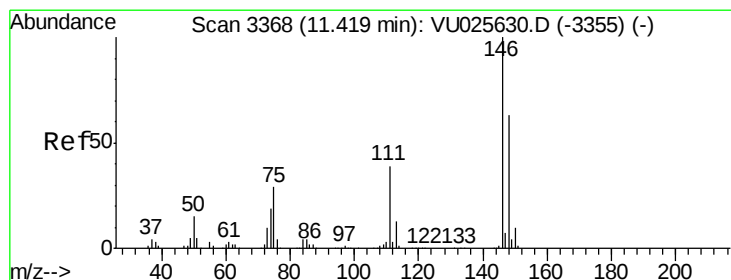
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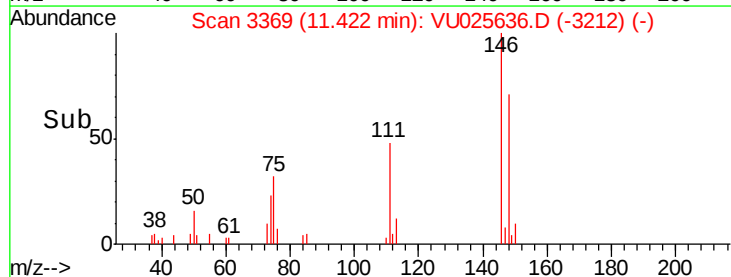
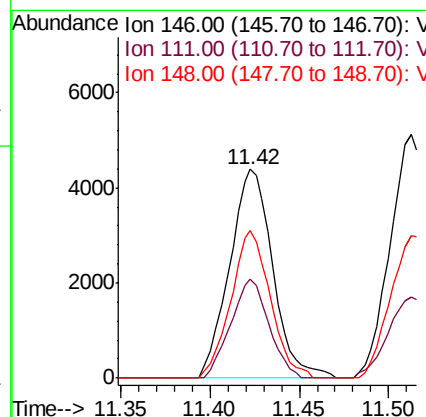
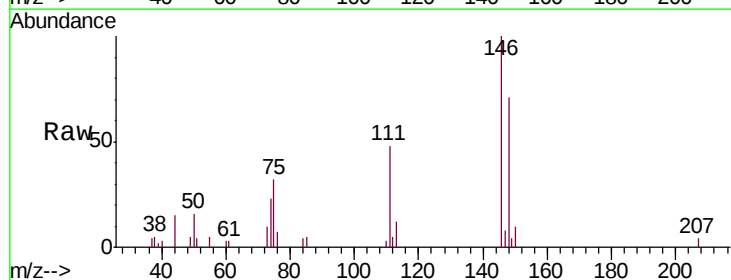
apatel

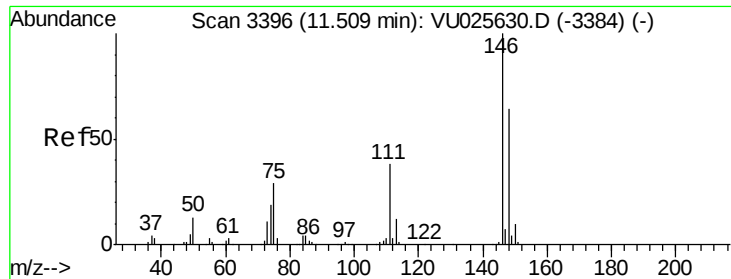
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#82
 1,3-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	31.8	47.6
148	64.6	51.0	76.4





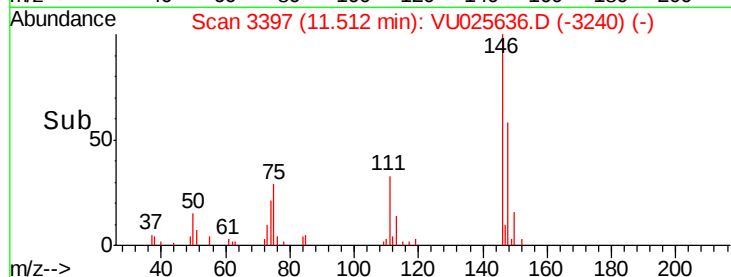
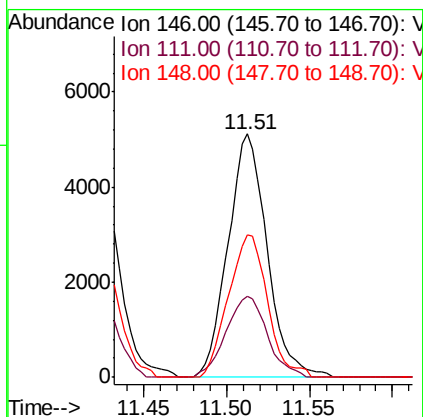
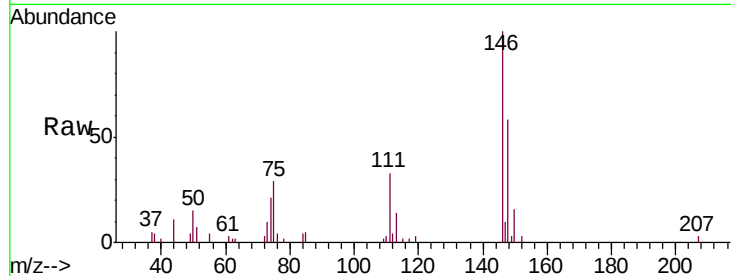
#83
 1,4-Dichlorobenzene
 Concen: 0.284 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	30.1	45.1
148	58.3	50.6	76.0

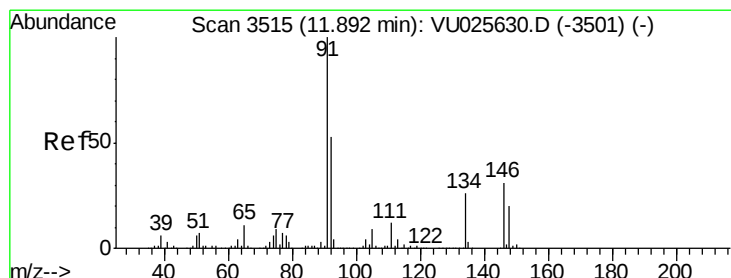
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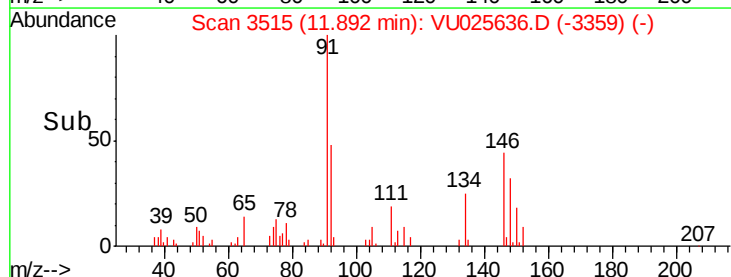
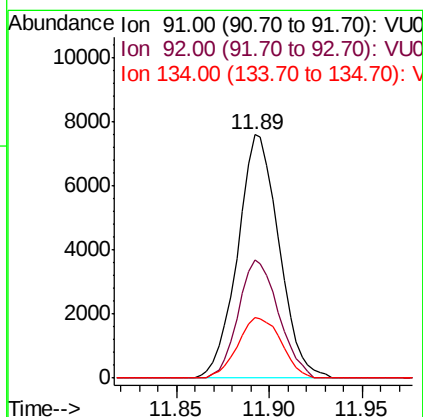
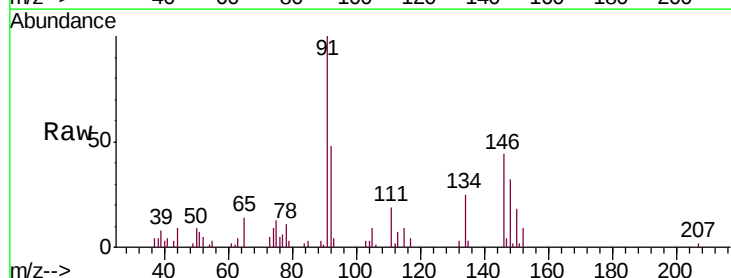
apatel

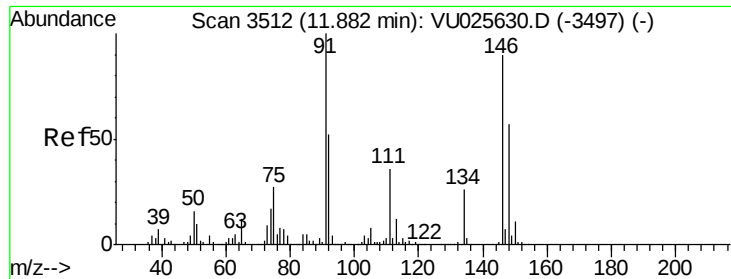
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#84
 n-Butylbenzene
 Concen: 0.230 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.3	42.2	63.2
134	26.2	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 0.264 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

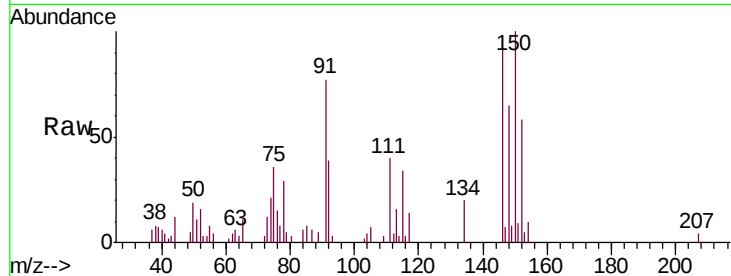
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	146	Resp:	7303
Ion Ratio	Lower	Upper	
146	100		
111	44.5	20.7	62.1
148	68.7	31.9	95.5

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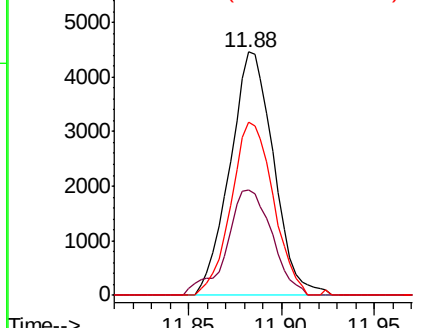
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Abundance Ion 146.00 (145.70 to 146.70): V

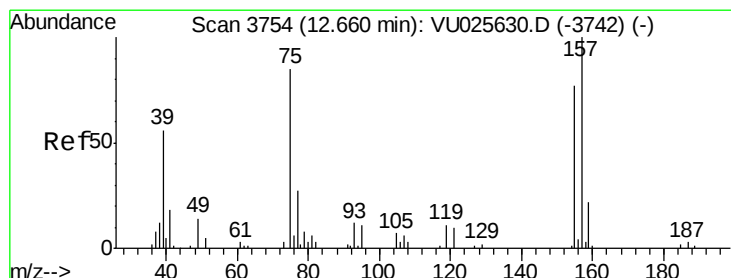
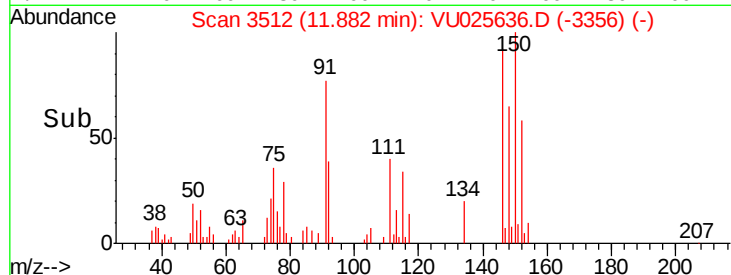
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.220 ug/l

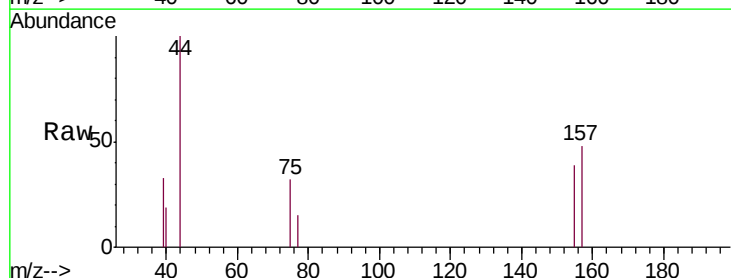
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025636.D

Acq: 25 Jul 2018 17:28

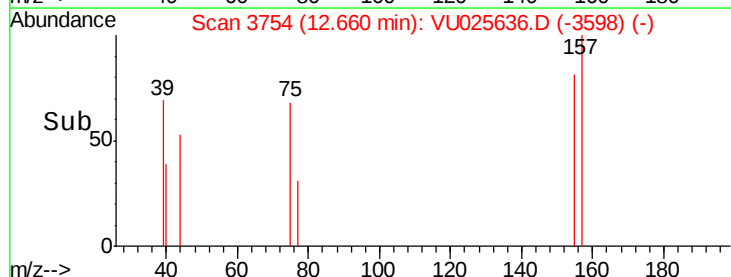
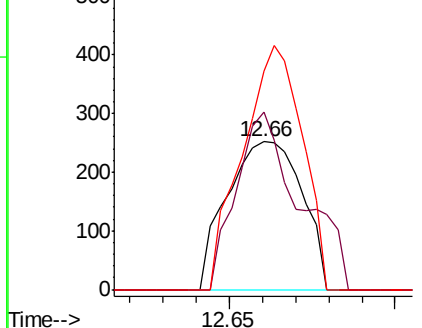
Tgt Ion:	75	Resp:	398
Ion Ratio	Lower	Upper	
75	100		
155	101.8	65.8	98.6#
157	131.2	83.5	125.3#

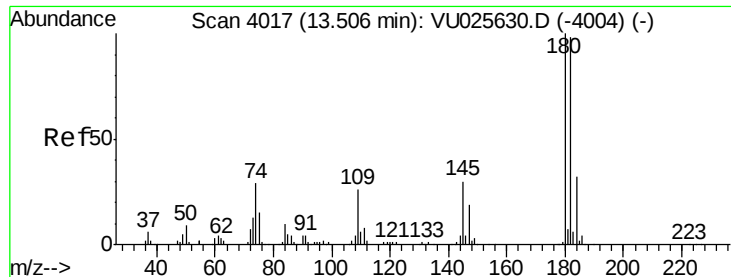


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





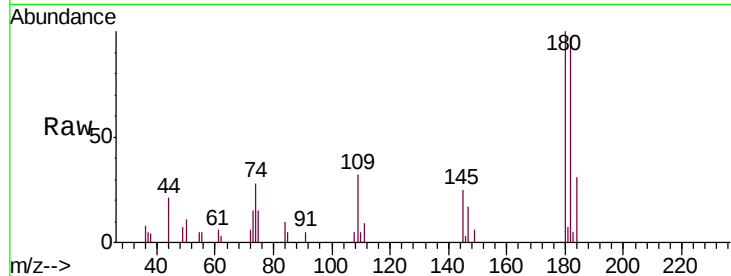
#87
 1,2,4-Trichlorobenzene
 Concen: 0.320 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.1	115.7
145	30.4	23.3	34.9

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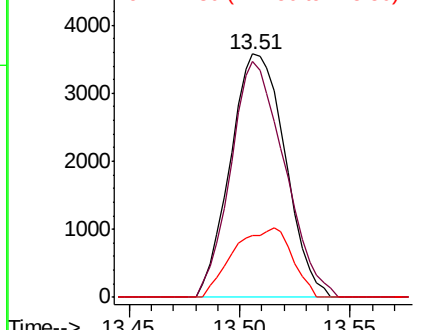


Abundance

Ion 179.70 (179.40 to 180.40): V

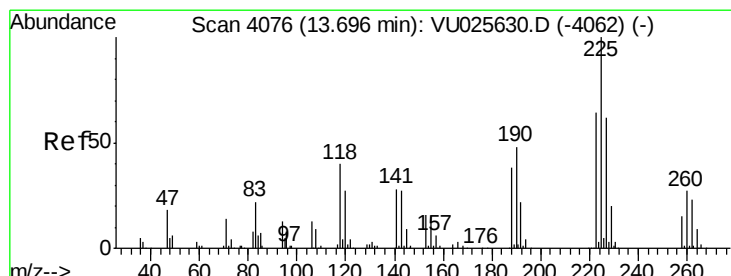
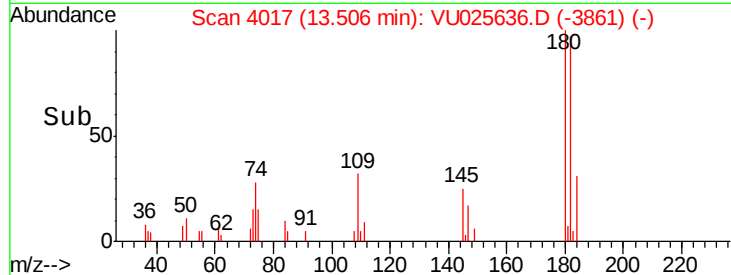
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



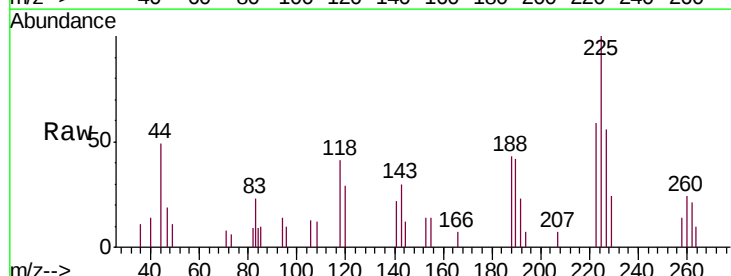
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#88
 Hexachlorobutadiene
 Concen: 0.246 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025636.D
 Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.6	75.8
227	62.5	51.8	77.6

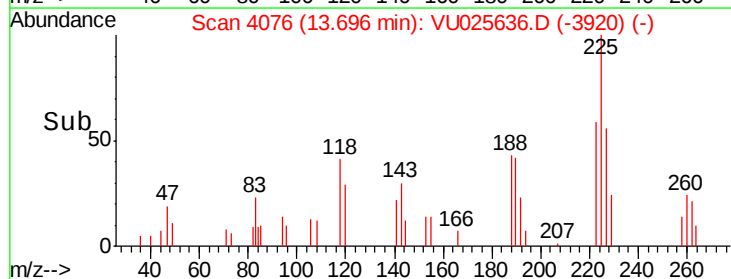
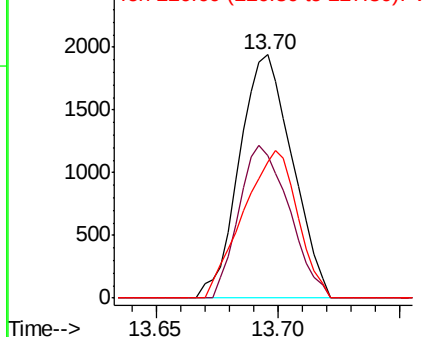


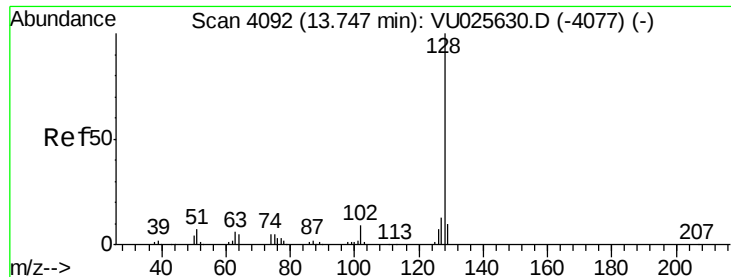
Abundance

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





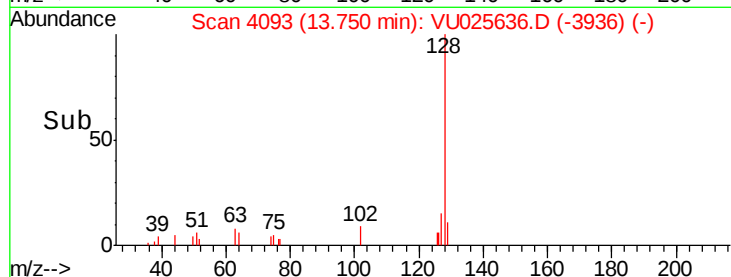
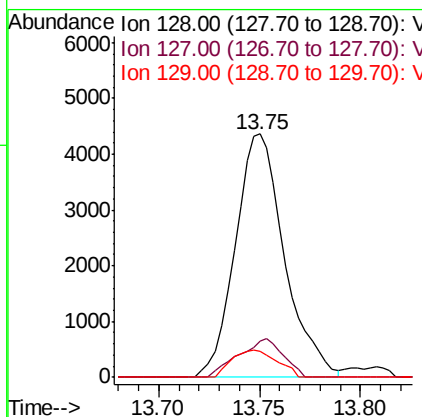
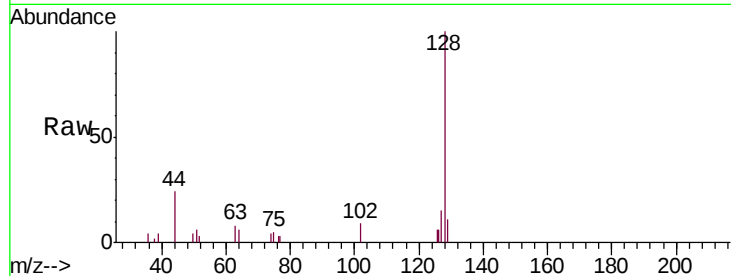
#89
Naphthalene
Concen: 0.238 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	10.3	8.7	13.1

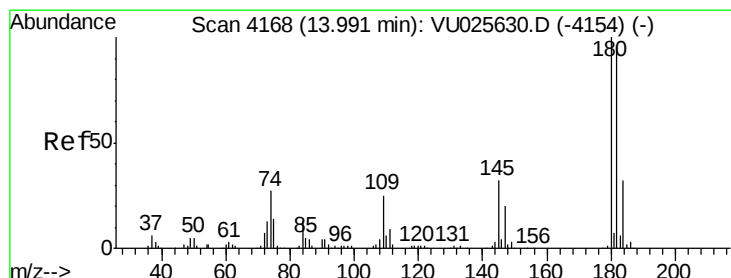
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#90
1,2,3-Trichlorobenzene
Concen: 0.250 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025636.D
Acq: 25 Jul 2018 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
145	29.0	24.6	36.8

