

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102320\
 Data File : VU040928.D
 Acq On : 23 Oct 2020 11:02
 Operator : SY/MD
 Sample : L4214-09 0.25 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-03-QT4-2020

Manual Integrations
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 10/26/2020 4:24:05 PM

Quant Time: Oct 24 06:40:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	52675	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	15112	0.79	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	15986	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7005	0.285	ug/l	94
3) Chloromethane	1.53	50	7586	0.296	ug/l	97
4) Vinyl Chloride	1.61	62	6147	0.258	ug/l	89
5) Bromomethane	1.86	94	3969	0.283	ug/l	89
6) Chloroethane	1.94	64	3993	0.274	ug/l	100
7) Trichlorofluoromethane	2.15	101	8410	0.279	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4503	0.269	ug/l	95
9) 1,1-Dichloroethene	2.60	96	4140	0.284	ug/l	97
10) Iodomethane	2.74	142	3565	0.590	ug/l #	80
11) Allyl Chloride	2.94	41	8579	0.286	ug/l	97
12) Acrylonitrile	3.34	53	2901	0.564	ug/l #	71
13) Acetone	2.64	43	6648	1.544	ug/l #	78
14) Carbon Disulfide	2.81	76	16203	0.296	ug/l	99
15) Methylene Chloride	3.06	84	6274	0.331	ug/l	93
16) trans-1,2-Dichloroethene	3.37	96	4852	0.294	ug/l	81
17) 1,1-Dichloroethane	3.89	63	9994	0.296	ug/l	97
18) 2-Butanone	4.74	43	10573	1.518	ug/l	98
19) Cyclohexane	5.39	56	8587m	0.270	ug/l	
20) Methylcyclohexane	6.77	83	5160	0.217	ug/l	94
21) 2,2-Dichloropropane	4.69	77	9233	0.324	ug/l #	90
22) cis-1,2-Dichloroethene	4.68	96	4648	0.264	ug/l	81
23) Diethyl Ether	2.39	59	3863	0.268	ug/l	91
24) tert-Butyl Alcohol	3.21	59	7056	4.391	ug/l #	80
25) Methyl tert-Butyl Ether	3.38	73	12158	0.269	ug/l #	77
26) Bromochloromethane	4.99	128	2219	0.290	ug/l	96
27) Chloroform	5.11	83	9565	0.296	ug/l	89
28) 1,1,1-Trichloroethane	5.33	97	7440	0.267	ug/l	96
29) 1,1-Dichloropropene	5.54	75	6367	0.261	ug/l	93
30) Carbon Tetrachloride	5.54	117	7064	0.280	ug/l	91
31) Isopropyl Ether	4.02	45	13482	0.258	ug/l	85
32) Ethyl-t-butyl ether	4.54	59	12679	0.276	ug/l	97
33) Tert-Amyl methyl ether	5.96	73	7571	0.221	ug/l	99
34) Propionitrile	4.81	54	2845	1.488	ug/l	95
35) Benzene	5.78	78	17702	0.262	ug/l	94
36) 1,2-Dichloroethane	5.81	62	7144	0.285	ug/l	96
37) Trichloroethene	6.55	130	4303	0.269	ug/l	97
38) 1,2-Dichloropropane	6.80	63	4897	0.255	ug/l	90
39) Methacrylonitrile	5.00	41	2682	0.299	ug/l #	69
40) Methyl acrylate	4.86	55	3549	0.289	ug/l #	85
41) Tetrahydrofuran	5.09	42	3817	0.828	ug/l #	83
42) 1-Chlorobutane	5.47	56	10337	0.280	ug/l	96

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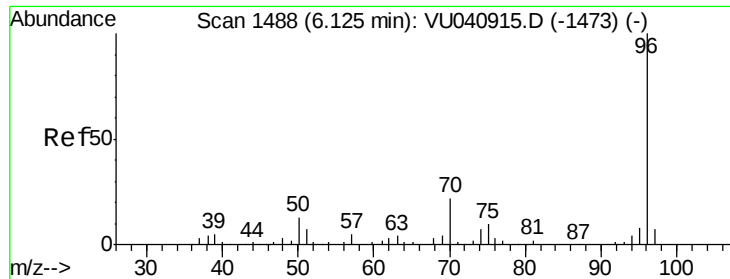
Manual Integrations
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 10/26/2020 4:24:05 PM

Quant Time: Oct 24 06:40:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.94	93	3003	0.279	ug/l	89
44) Bromodichloromethane	7.12	83	6503	0.261	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	15879	1.126	ug/l #	94
46) t-1,4-Dichloro-2-butene	10.84	75	1404m	0.252	ug/l	
47) Methyl methacrylate	6.98	69	3418	0.381	ug/l	92
49) Toluene	7.97	92	7455	0.201	ug/l	95
50) t-1,3-Dichloropropene	8.22	75	4583	0.213	ug/l #	82
51) cis-1,3-Dichloropropene	7.61	75	5957	0.252	ug/l	90
52) 1,1,2-Trichloroethane	8.40	97	3473	0.256	ug/l #	89
53) 1,3-Dichloropropane	8.58	76	5973	0.245	ug/l	94
54) 2-Hexanone	8.70	43	10960	1.112	ug/l	92
55) Dibromochloromethane	8.82	129	3649	0.224	ug/l	95
56) 1,2-Dibromoethane	8.93	107	2934	0.233	ug/l	99
58) Tetrachloroethene	8.56	164	3796	0.254	ug/l	95
59) Chlorobenzene	9.45	112	8560	0.218	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.54	131	3497	0.226	ug/l	94
61) Pentachloroethane	11.42	117	3008	0.241	ug/l	99
62) Hexachloroethane	12.47	117	3159	0.249	ug/l	100
64) m/p-Xylenes	9.69	106	8321	0.716	ug/l	96
66) Styrene	10.11	104	6916	0.404	ug/l	96
67) Bromoform	10.29	173	2324	0.264	ug/l #	81
70) 1,1,2,2-Tetrachloroethane	10.78	83	4604	0.249	ug/l #	94
71) 1,2,3-Trichloropropane	10.82	75	3358m	0.238	ug/l	
72) Bromobenzene	10.78	156	3518	0.221	ug/l	90
73) n-propylbenzene	10.90	120	2825	0.366	ug/l	83
75) 1,3,5-Trimethylbenzene	11.09	105	8244	0.363	ug/l	90
78) 1,2,4-Trimethylbenzene	11.47	105	8477	0.367	ug/l	98
80) Nitrobenzene	13.21	77	1466	1.677	ug/l #	62
81) p-Isopropyltoluene	11.79	119	8264	0.402	ug/l #	91
82) 1,3-Dichlorobenzene	11.74	146	7419	0.214	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	7021	0.200	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	6946	0.209	ug/l	93
86) 1,2-Dibromo-3-Chloropropan	12.99	75	855	0.248	ug/l #	72
88) Hexachlorobutadiene	14.01	225	2963	0.271	ug/l	97
89) Naphthalene	14.08	128	7204	0.854	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	4346	0.230	ug/l	93

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

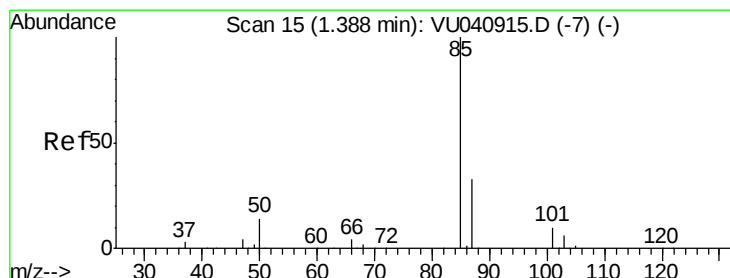
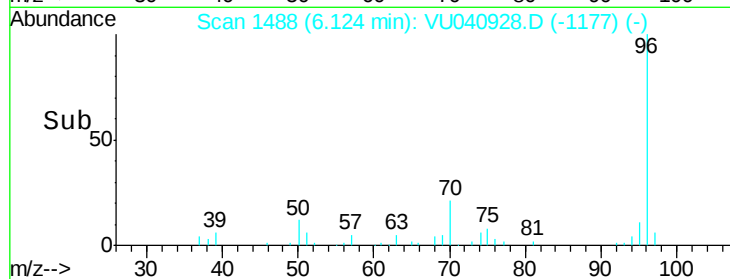
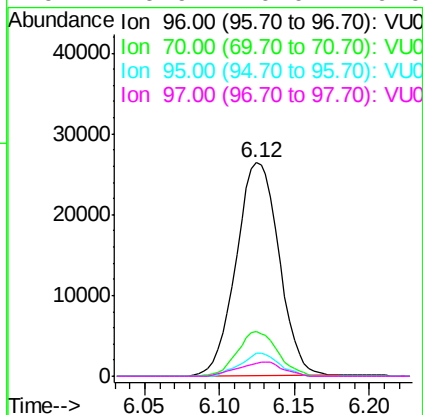
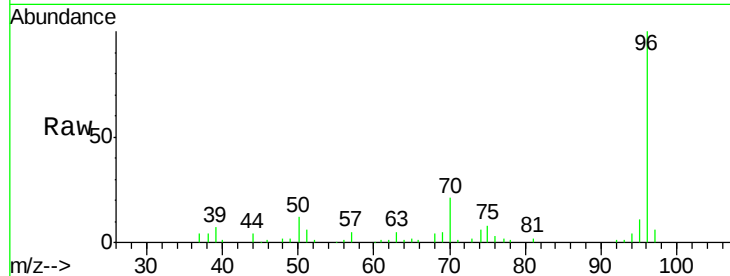
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	52675
Ion	Ratio	Lower	Upper
96	100		
70	19.9	16.3	24.5
95	9.8	7.3	10.9
97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.285 ug/l

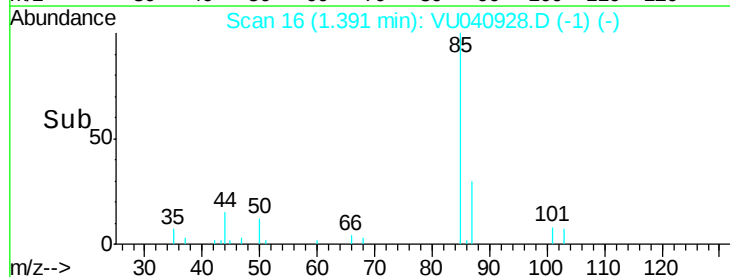
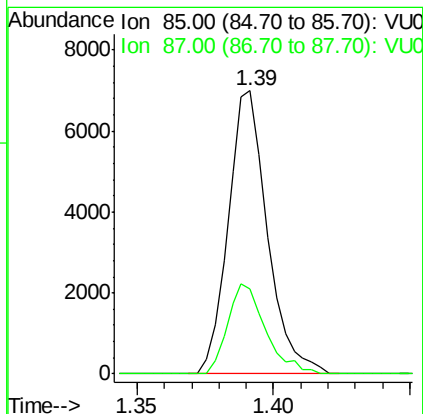
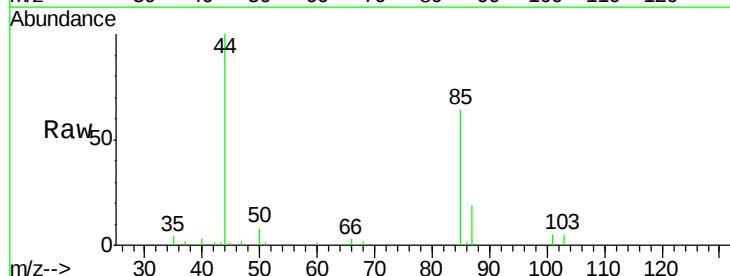
RT: 1.39 min Scan# 16

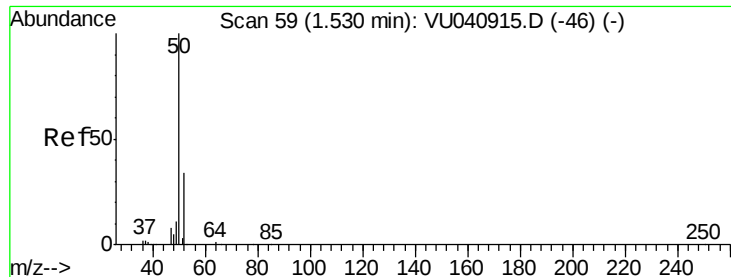
Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Tgt Ion:	85	Resp:	7005
Ion	Ratio	Lower	Upper
85	100		
87	29.8	16.5	49.5





#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 7586

Ion Ratio Lower Upper

50 100

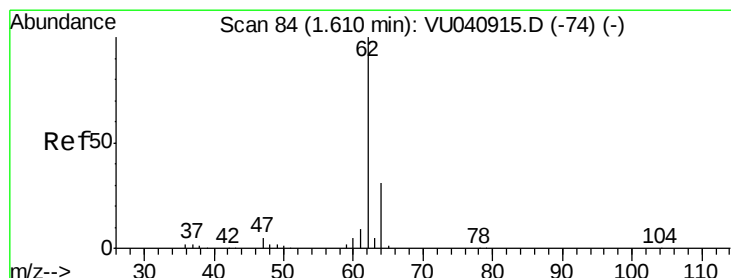
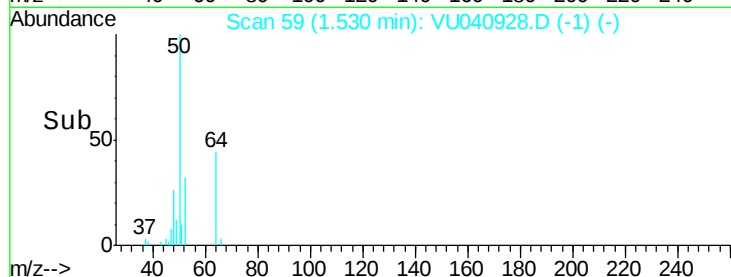
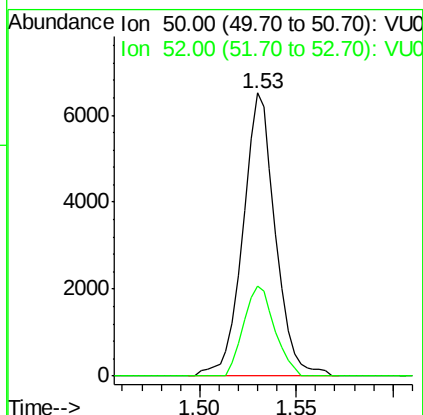
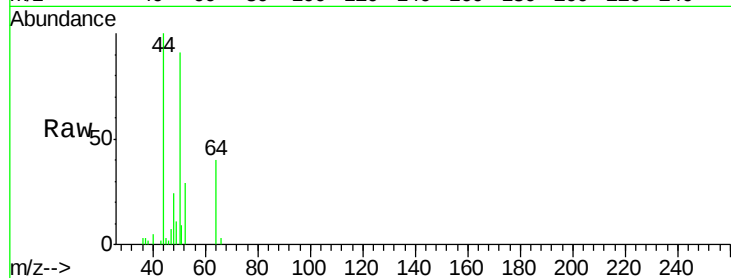
52 31.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.258 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040928.D

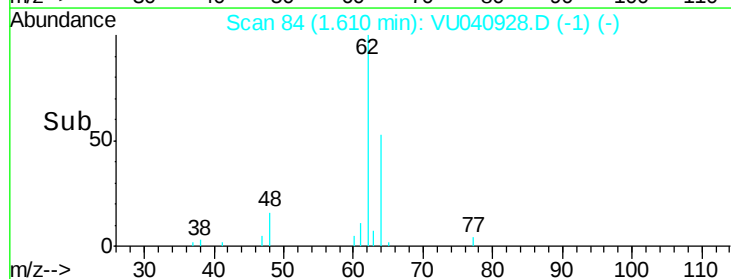
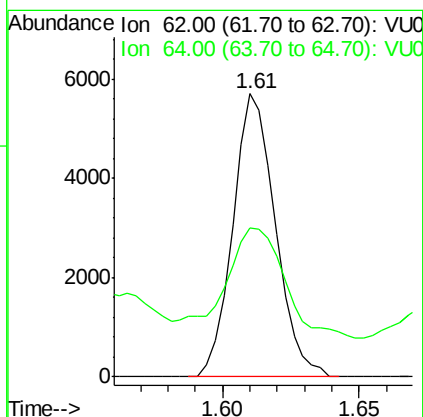
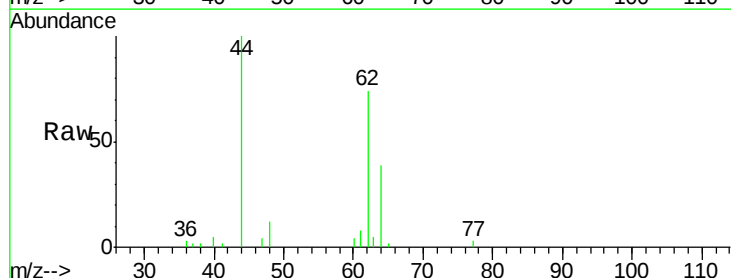
Acq: 23 Oct 2020 11:02

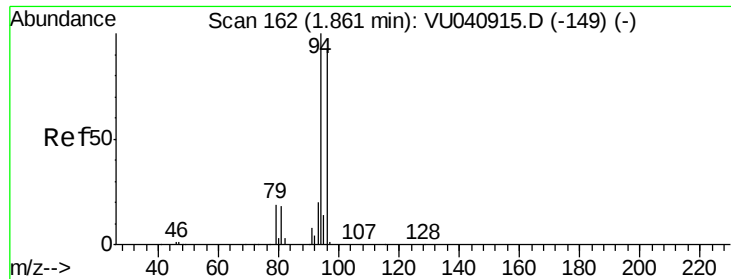
Tgt Ion: 62 Resp: 6147

Ion Ratio Lower Upper

62 100

64 36.9 24.7 37.1





#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 3969

Ion Ratio Lower Upper

94 100

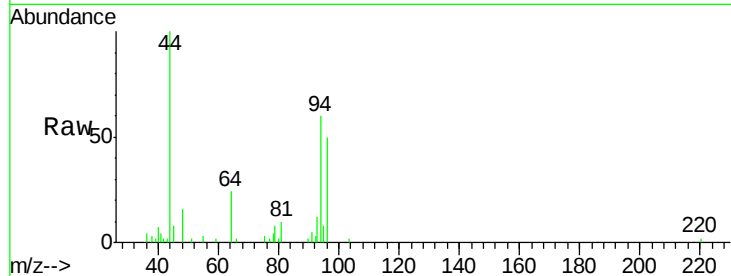
96 82.3 74.4 111.6

Manual Integrations

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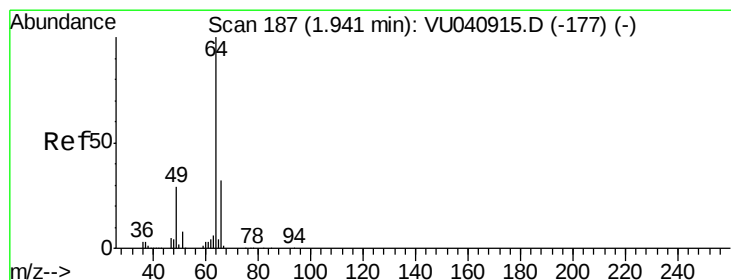
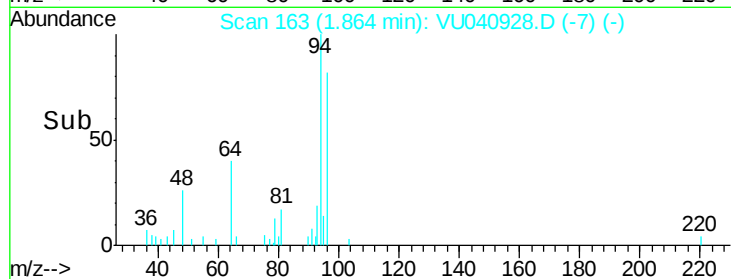
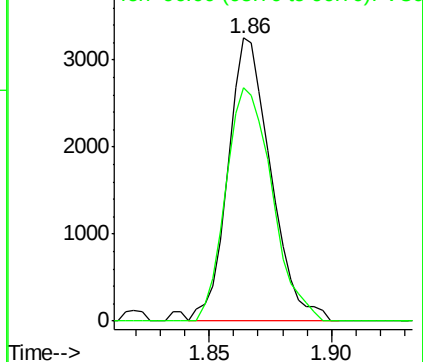
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.274 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040928.D

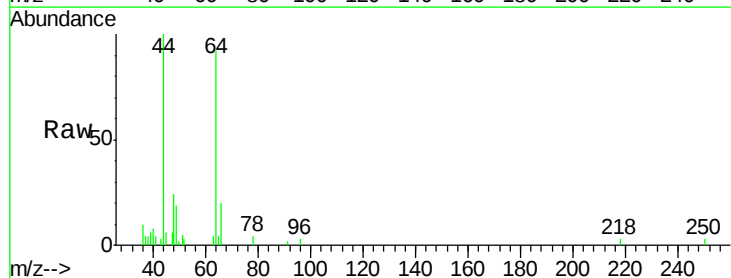
Acq: 23 Oct 2020 11:02

Tgt Ion: 64 Resp: 3993

Ion Ratio Lower Upper

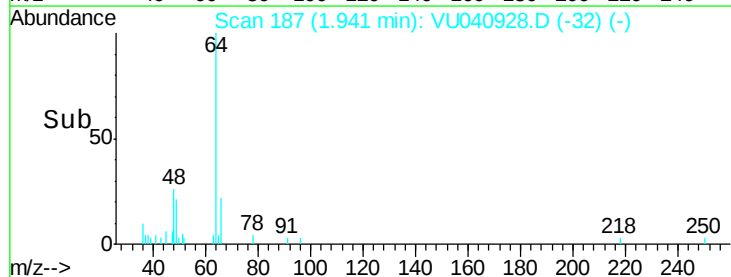
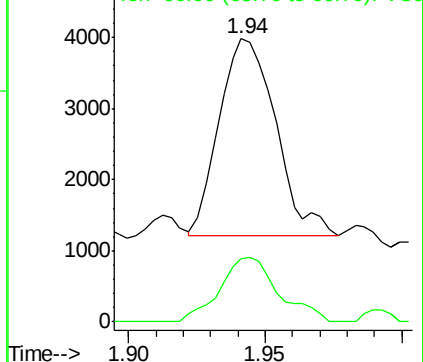
64 100

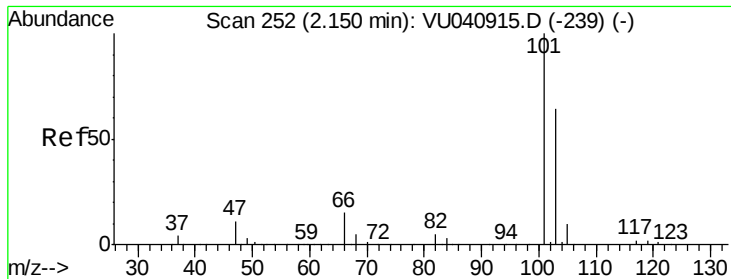
66 32.0 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

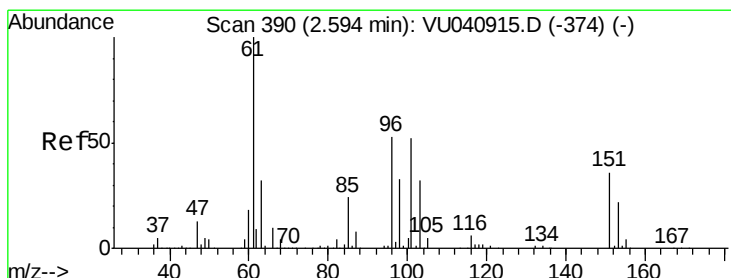
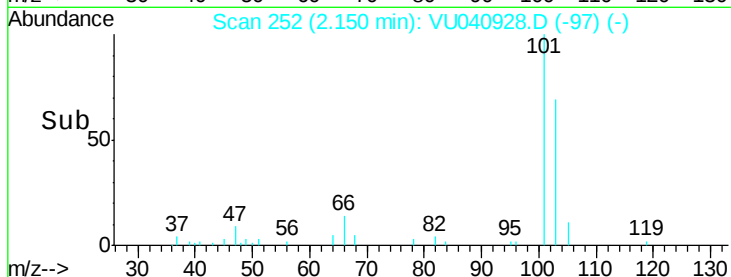
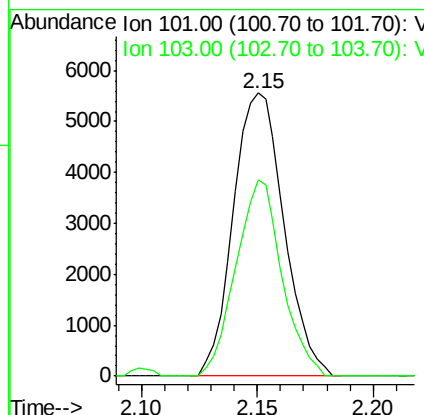
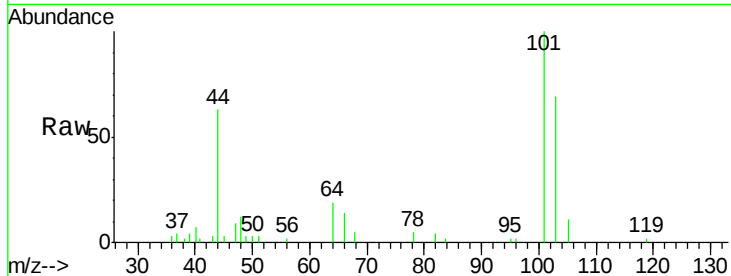
Trichlorofluoromethane
Concen: 0.279 ug/l
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

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MSVOA_U
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MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	51.5	77.3

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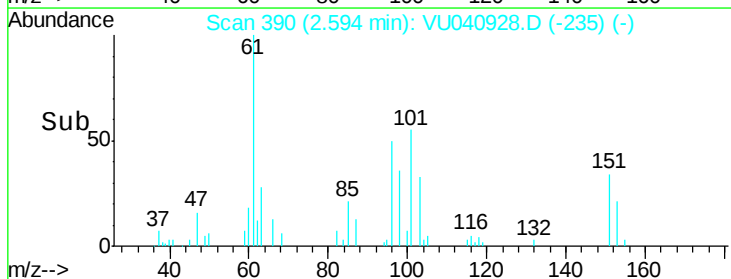
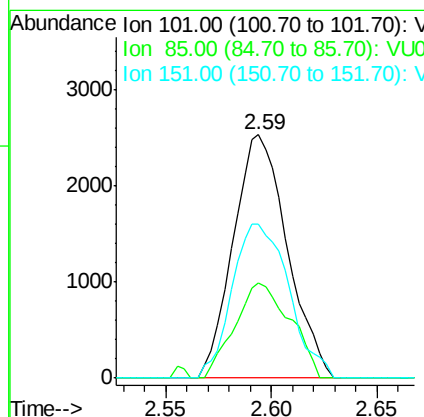
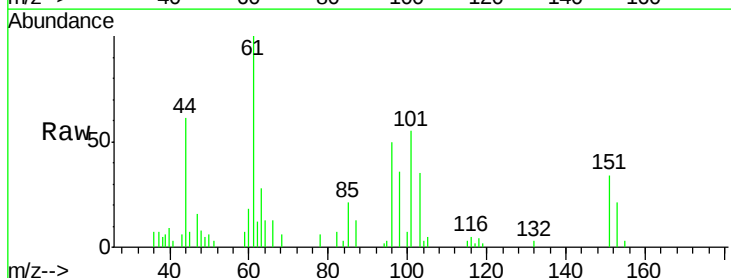
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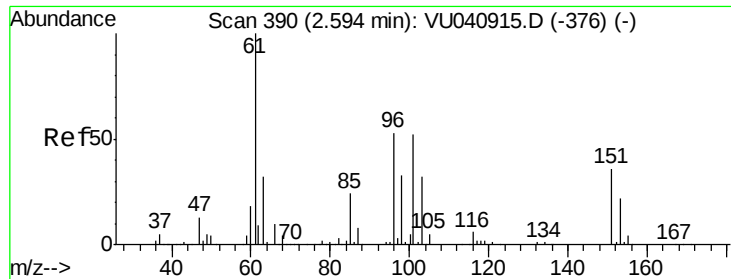


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.269 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
101	100		
85	40.1	36.2	54.2
151	66.7	55.1	82.7





#9

1,1-Dichloroethene

Concen: 0.284 ug/l

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

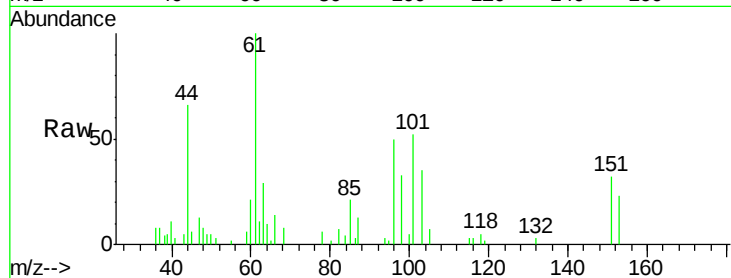
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	4140
Ion	Ratio	Lower	Upper
96	100		
61	193.1	0.0	561.9
98	61.8	0.0	125.0

Manual Integrations
APPROVED

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10/26/2020 4:24:05 PM

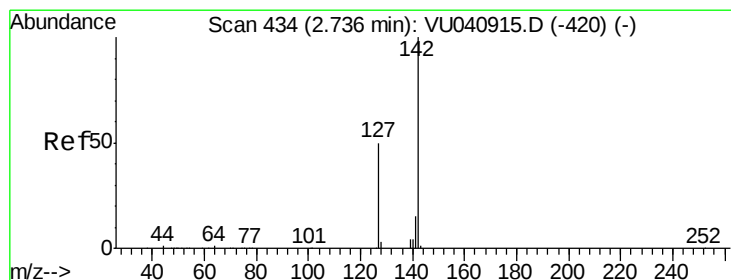
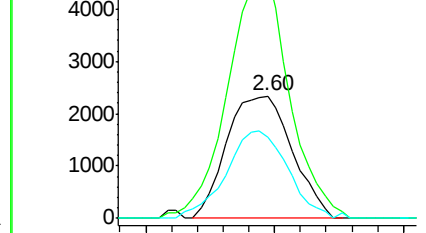
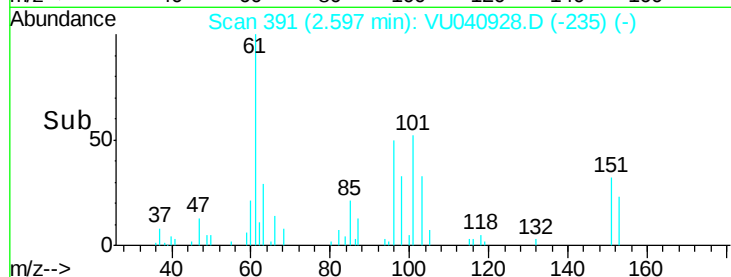


Abundance Ion 96.00 (95.70 to 96.70): VU040915.D (-376) (-)

Ion 61.00 (60.70 to 61.70): VU040915.D (-376) (-)

Ion 98.00 (97.70 to 98.70): VU040915.D (-376) (-)

Time-->



#10

Iodomethane

Concen: 0.590 ug/l

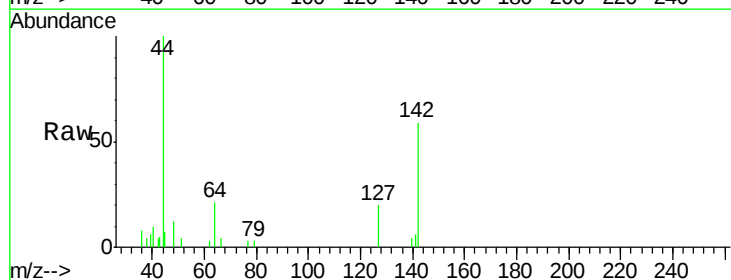
RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

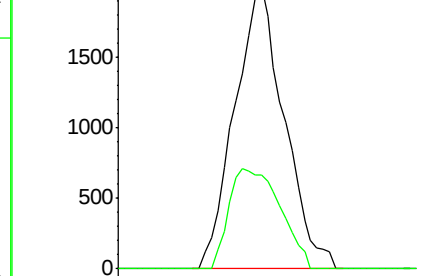
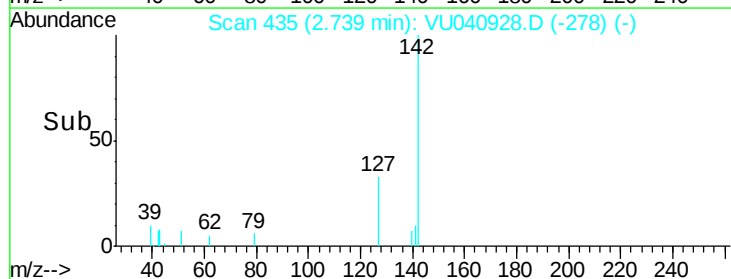
Tgt Ion:	142	Resp:	3565
Ion	Ratio	Lower	Upper
142	100		
127	36.7	40.6	60.8#

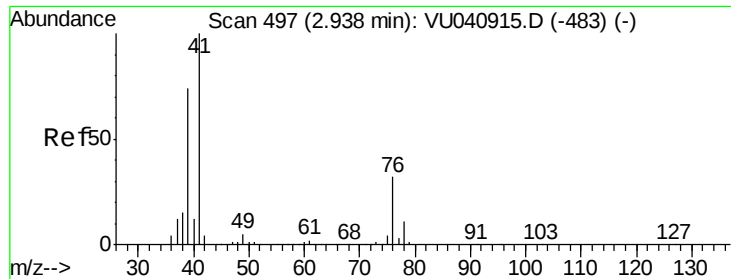


Abundance Ion 142.00 (141.70 to 142.70): VU040915.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU040915.D (-420) (-)

Time-->





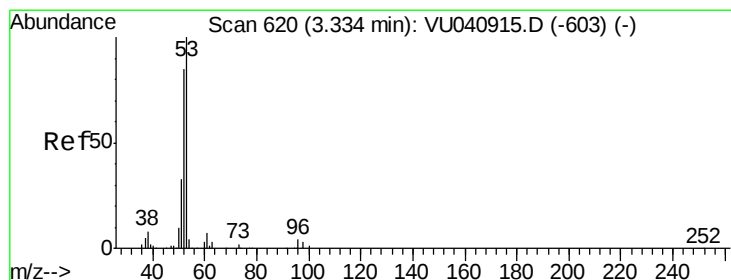
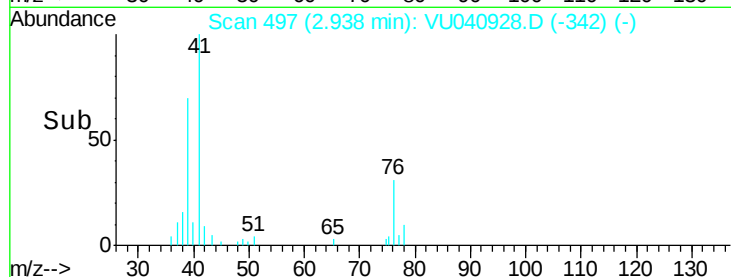
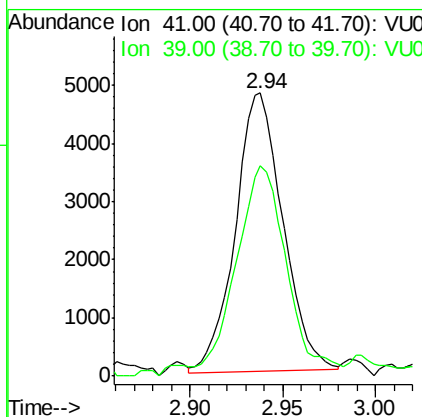
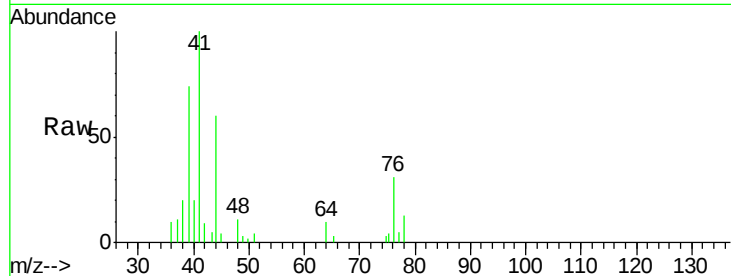
#11
Allvl Chloride
Concen: 0.286 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 41 Resp: 8579
Ion Ratio Lower Upper
41 100
39 76.3 59.0 88.4

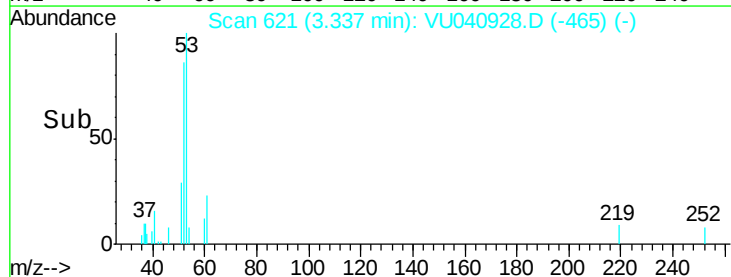
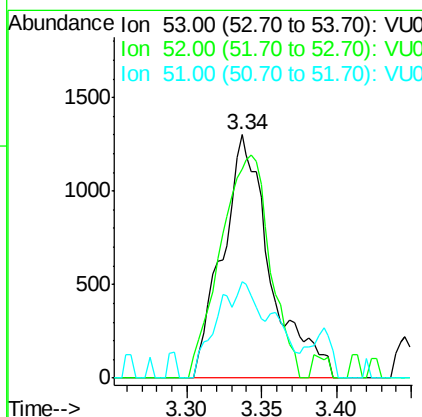
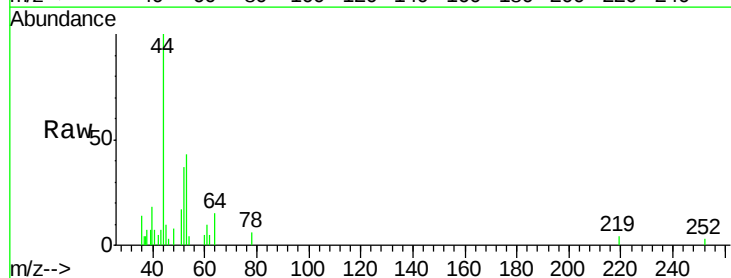
Manual Integrations
APPROVED

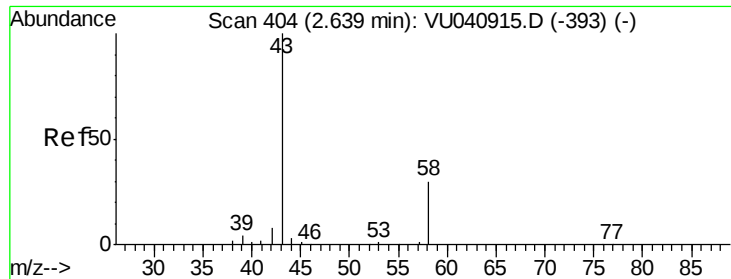
MMDadoda
10/26/2020 4:24:05 PM



#12
Acrylonitrile
Concen: 0.564 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 53 Resp: 2901
Ion Ratio Lower Upper
53 100
52 94.8 63.1 94.7#
51 7.5 30.6 46.0#





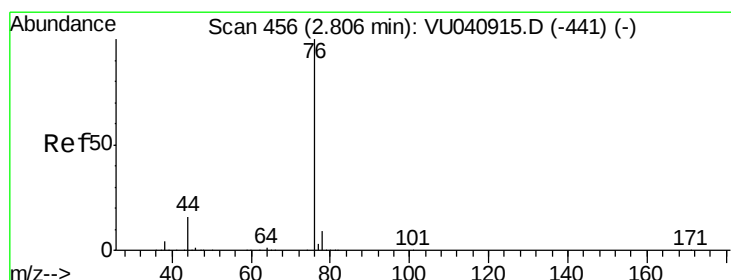
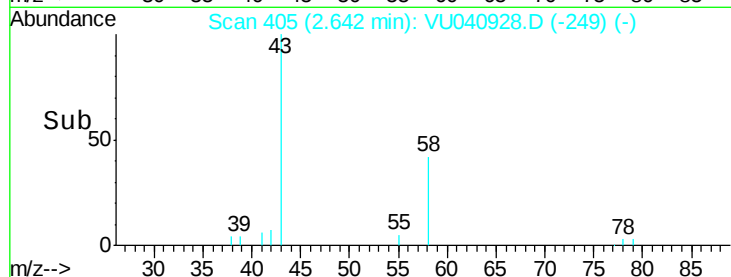
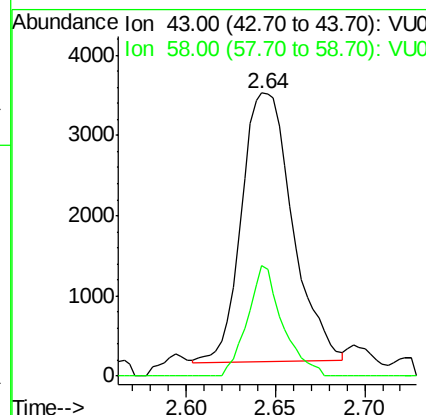
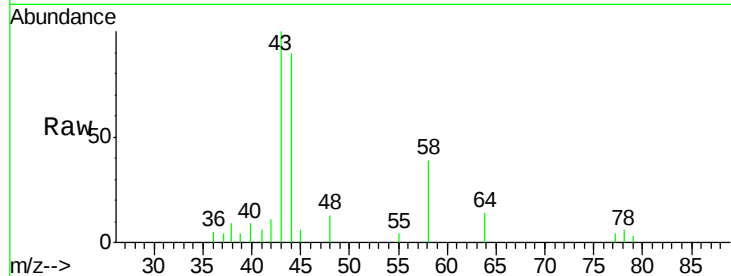
#13
Acetone
Concen: 1.544 ug/l
RT: 2.64 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 6648
Ion Ratio Lower Upper
43 100
58 41.5 23.6 35.4#

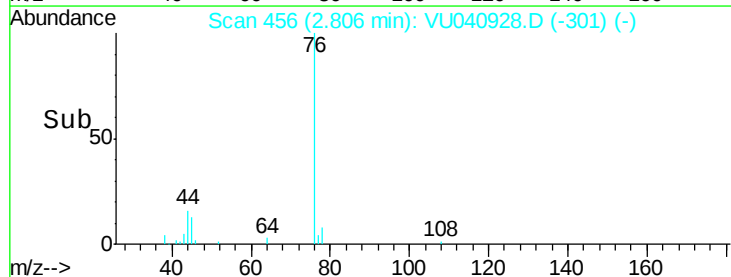
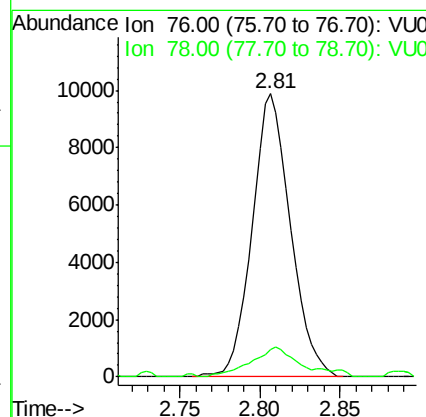
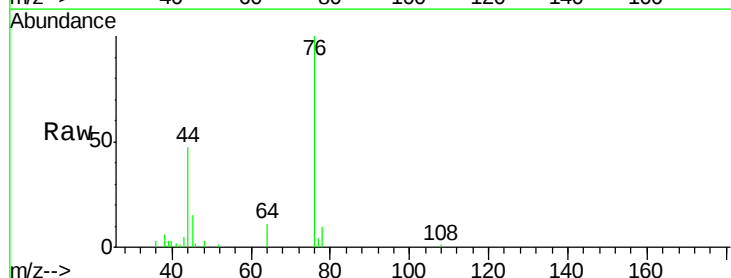
Manual Integrations
APPROVED

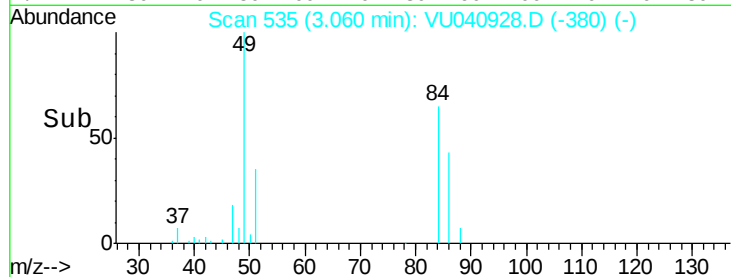
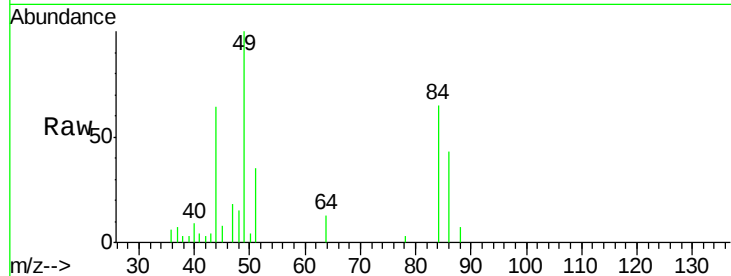
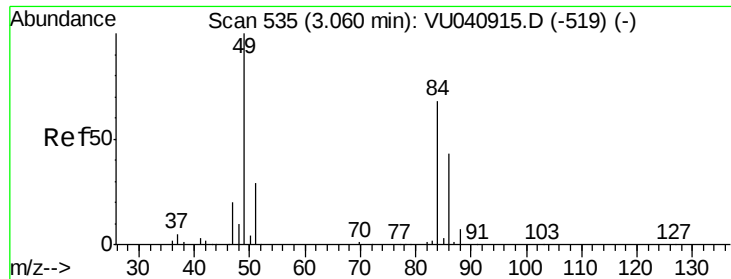
MMDadoda
10/26/2020 4:24:05 PM



#14
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 76 Resp: 16203
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7





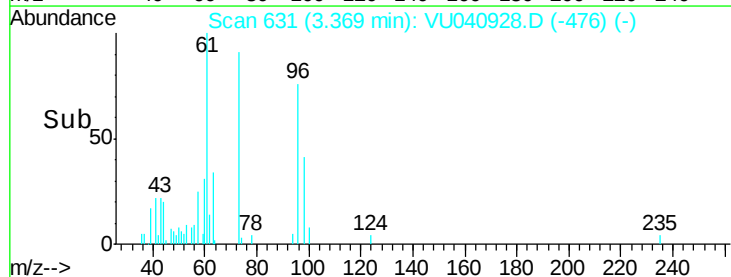
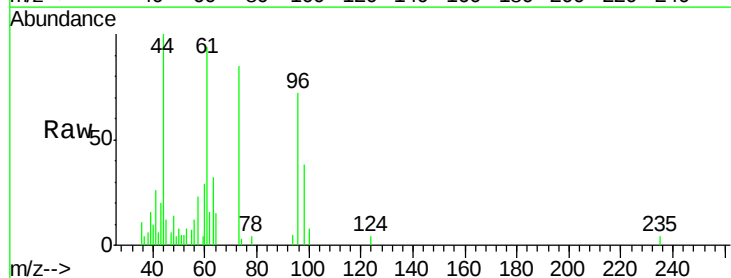
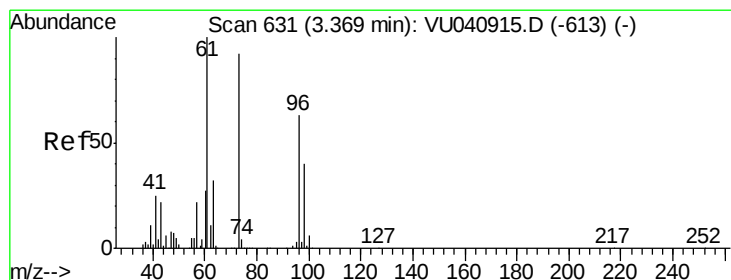
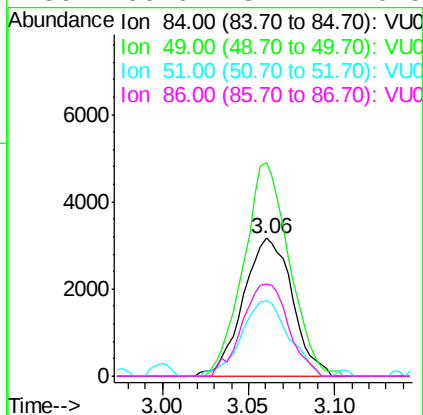
#15
Methvlene Chloride
Concen: 0.331 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tot Ion:	84	Resp:	6274
Ion	Ratio	Lower	Upper
84	100		
49	155.0	118.2	177.4
51	55.0	0.0	86.8
86	66.6	51.2	76.8

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

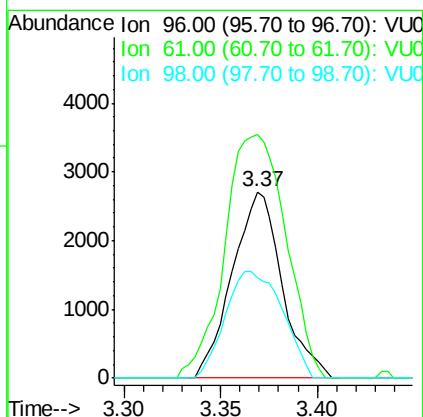
Manual Integrations
APPROVED

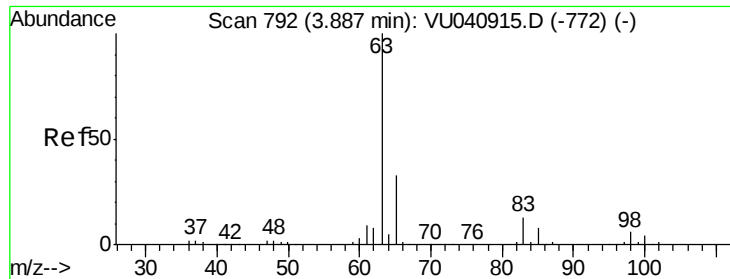
MMDadoda
10/26/2020 4:24:05 PM



#16
trans-1,2-Dichloroethene
Concen: 0.294 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion:	96	Resp:	4852
Ion	Ratio	Lower	Upper
96	100		
61	130.9	127.0	190.4
98	53.7	51.2	76.8





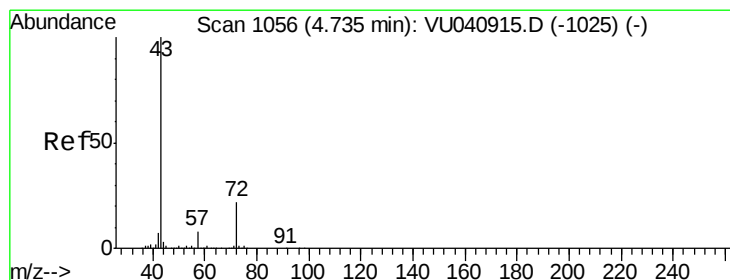
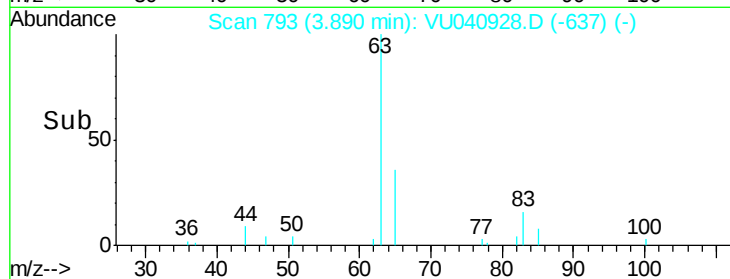
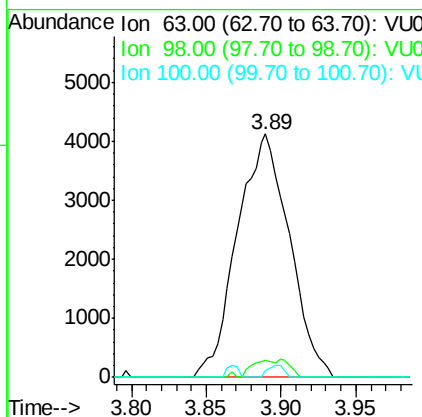
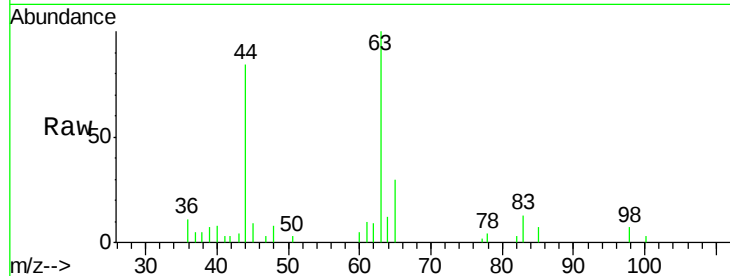
#17
 1,1-Dichloroethane
 Concen: 0.296 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.0	9.2
100	2.6	1.8	5.5

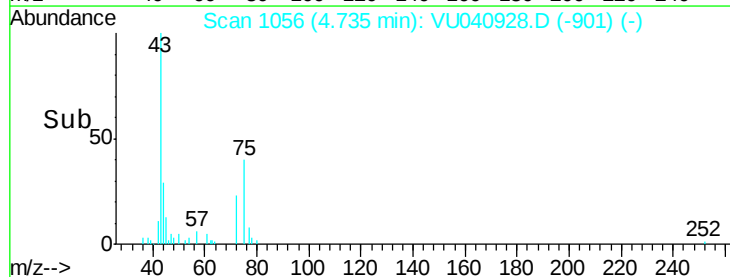
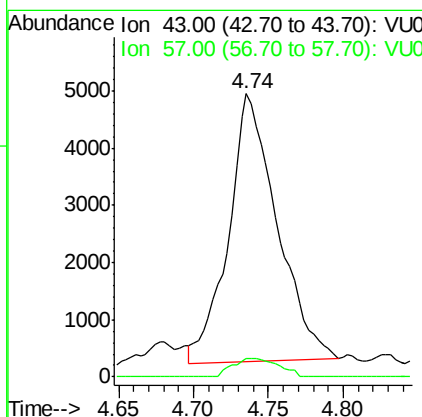
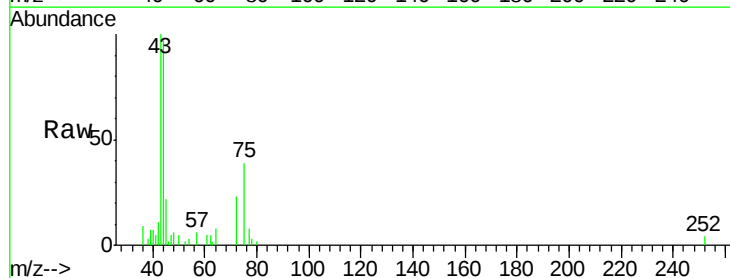
Manual Integrations
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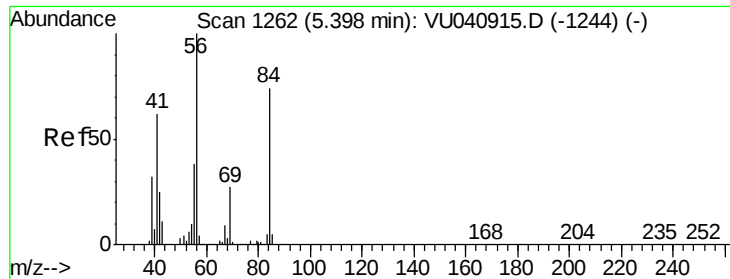
MMDadoda
 10/26/2020 4:24:05 PM



#18
 2-Butanone
 Concen: 1.518 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.8	0.0	15.2





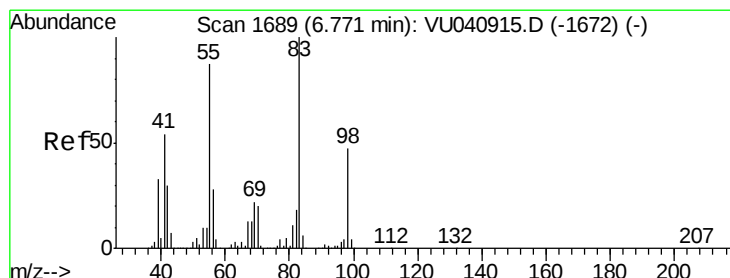
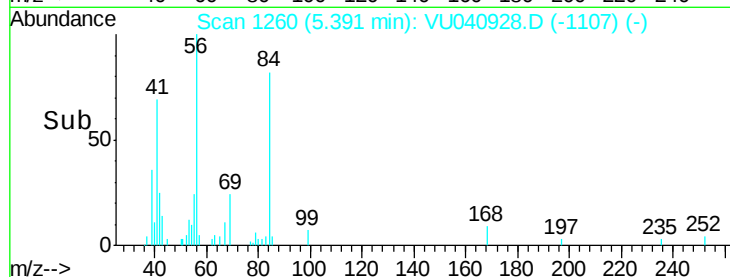
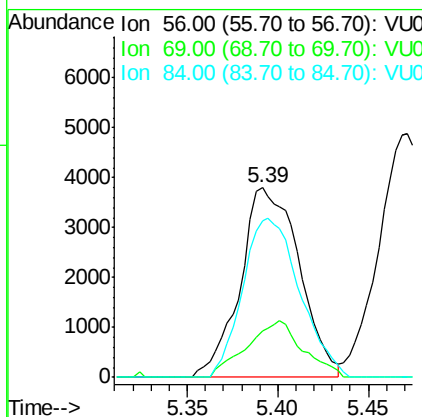
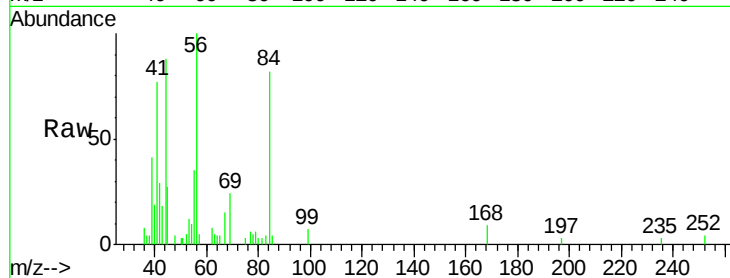
#19
Cyclohexane
Concen: 0.270 ug/l m
RT: 5.39 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:	56	Resp:	8587
Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.2	33.2
84	81.2	60.1	90.1

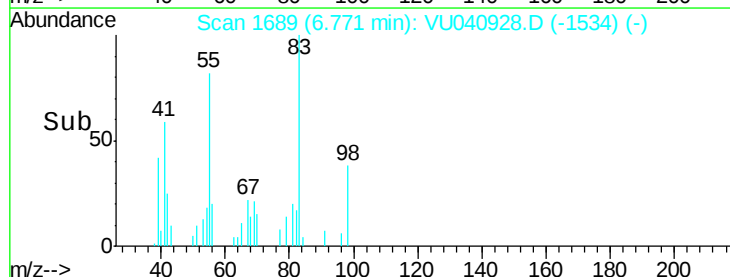
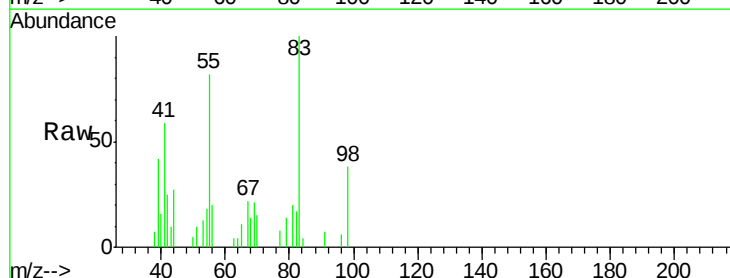
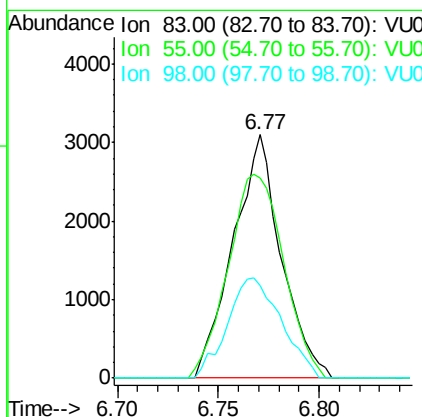
Manual Integrations
APPROVED

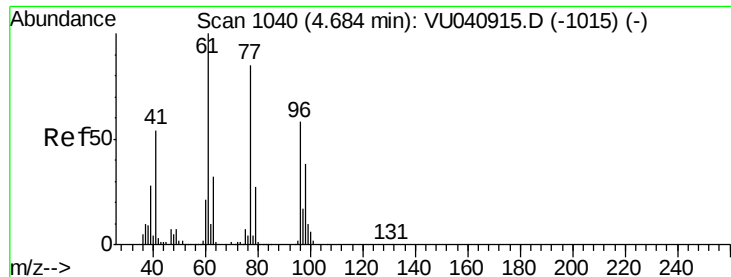
MMDadoda
10/26/2020 4:24:05 PM



#20
Methylcyclohexane
Concen: 0.217 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion:	83	Resp:	5160
Ion	Ratio	Lower	Upper
83	100		
55	96.7	71.0	106.4
98	45.9	38.1	57.1





#21

2,2-Dichloropropane

Concen: 0.324 ug/l

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 77 Resp: 9233

Ion Ratio Lower Upper

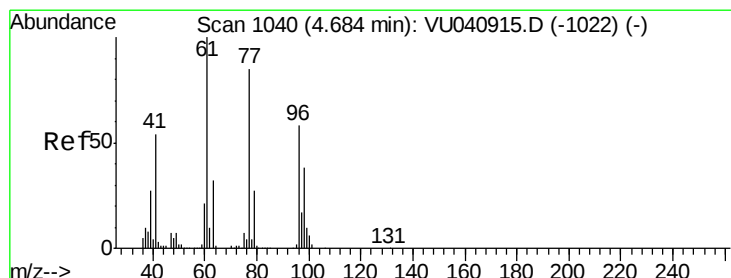
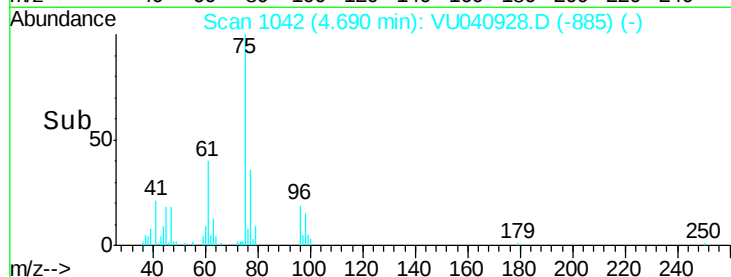
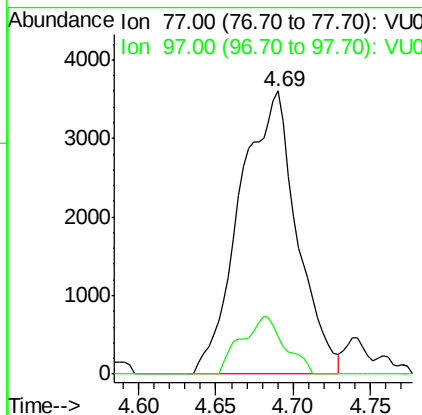
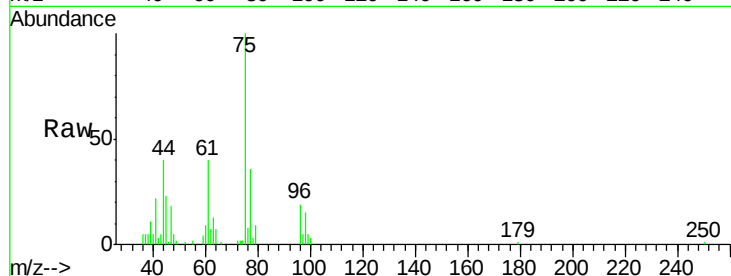
77 100

97 15.5 16.0 24.0#

Manual Integrations
APPROVED

MMDadoda

10/26/2020 4:24:05 PM



#22

cis-1,2-Dichloroethene

Concen: 0.264 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

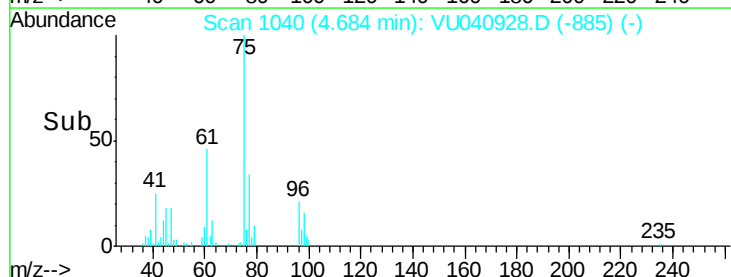
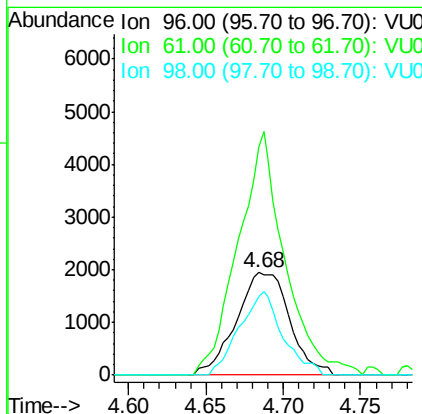
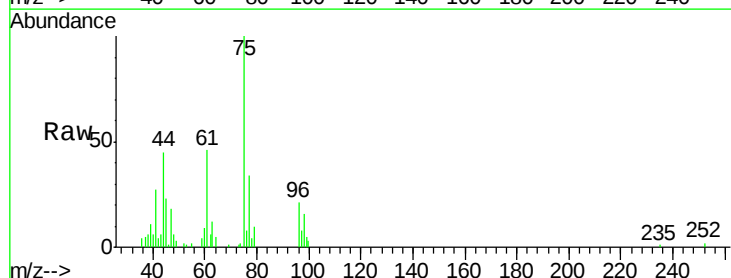
Tgt Ion: 96 Resp: 4648

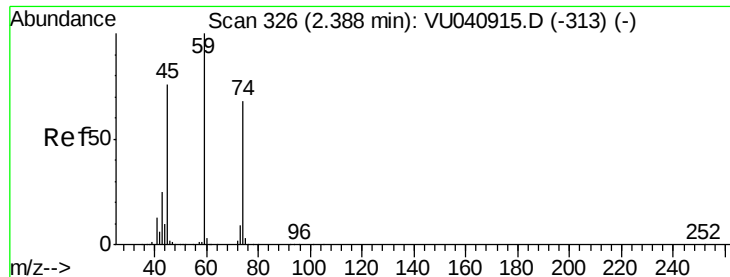
Ion Ratio Lower Upper

96 100

61 209.0 0.0 434.5

98 66.3 32.6 97.8





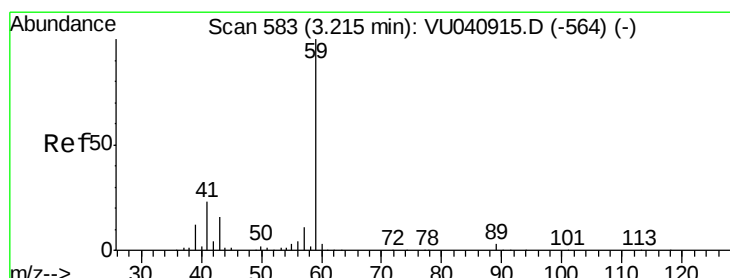
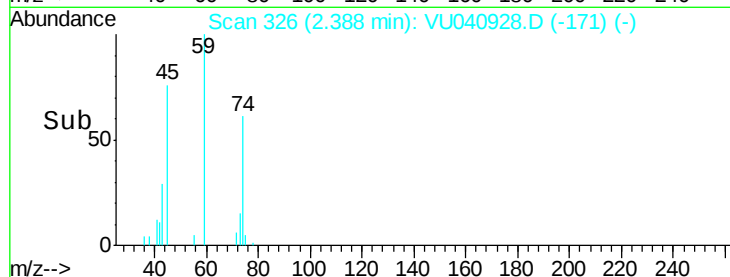
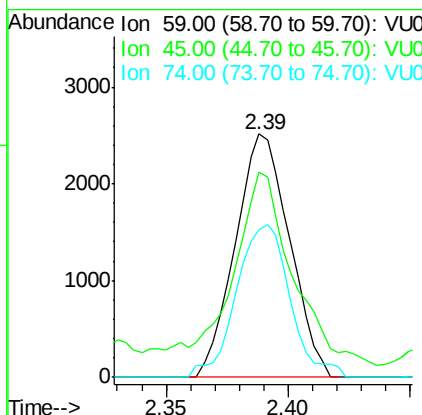
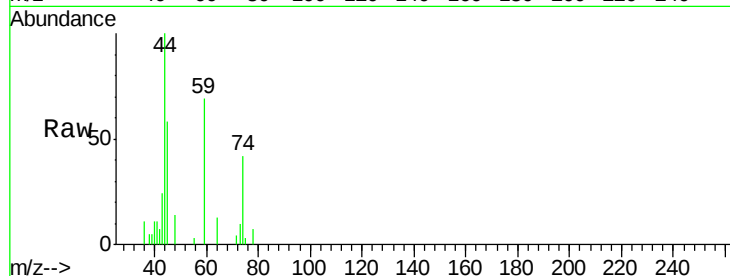
#23
Diethyl Ether
Concen: 0.268 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
59	100		
45	85.3	61.4	92.2
74	62.2	55.0	82.4

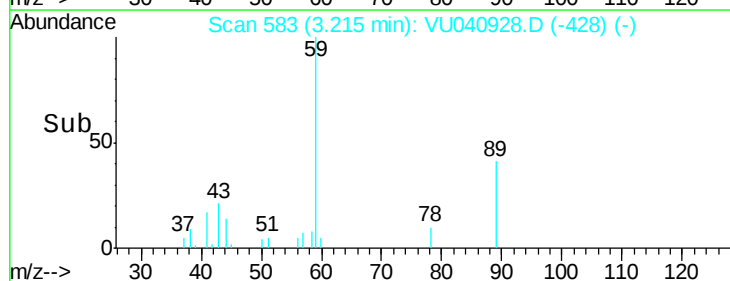
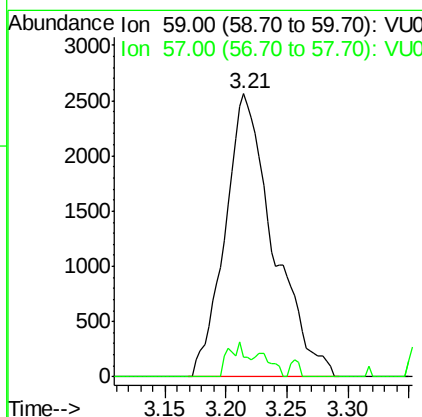
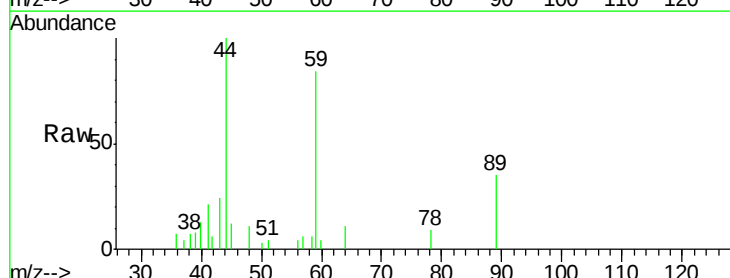
Manual Integrations
APPROVED

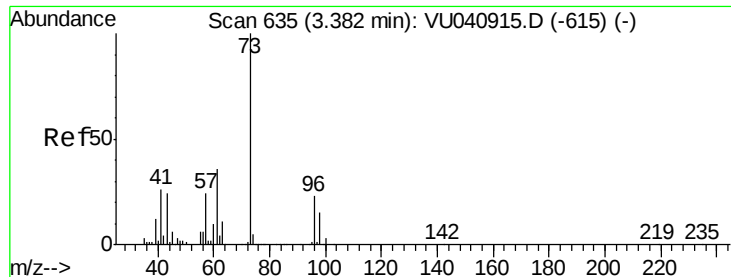
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 4.391 ug/l
RT: 3.21 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	2.9	8.4	12.6#





#25

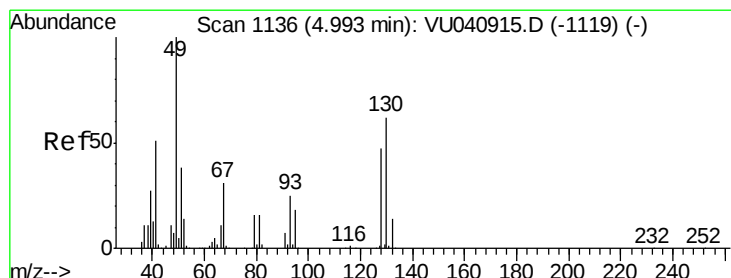
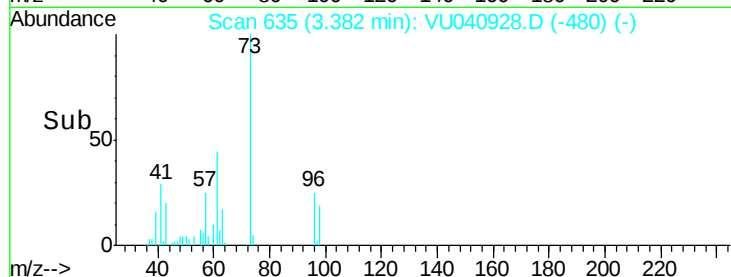
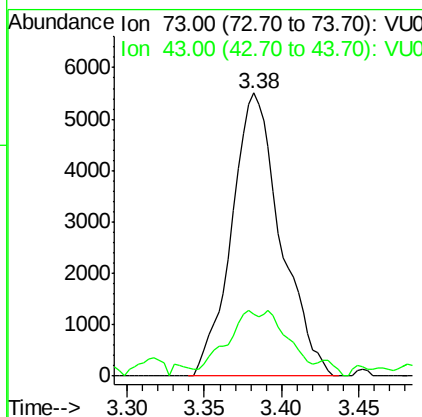
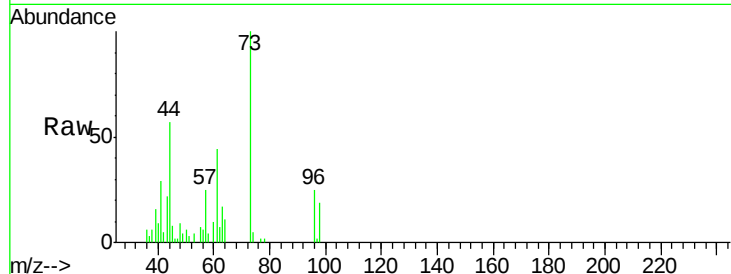
Methyl tert-Butyl Ether
 Concen: 0.269 ug/l
 RT: 3.38 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
43	12.7	19.0	28.6#

Manual Integrations
 APPROVED

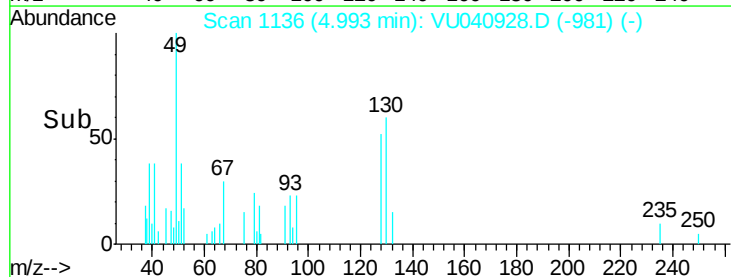
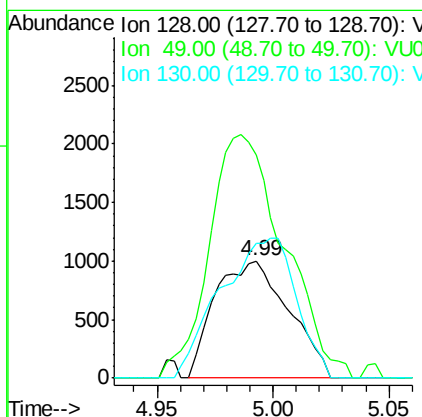
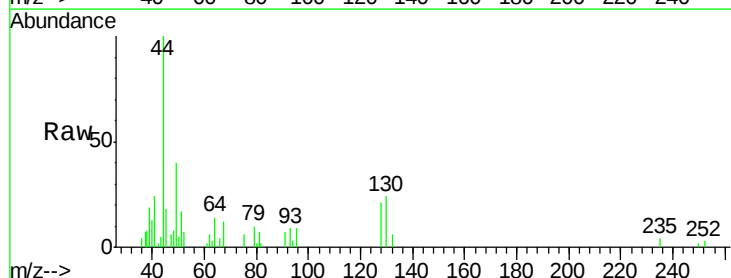
MMDadoda
 10/26/2020 4:24:05 PM

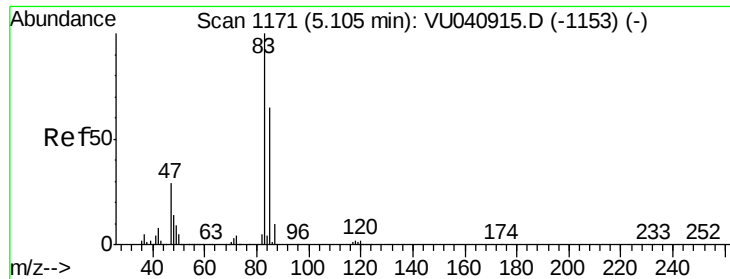


#26

Bromochloromethane
 Concen: 0.290 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
128	100		
49	210.4	0.0	426.4
130	122.5	106.2	159.4





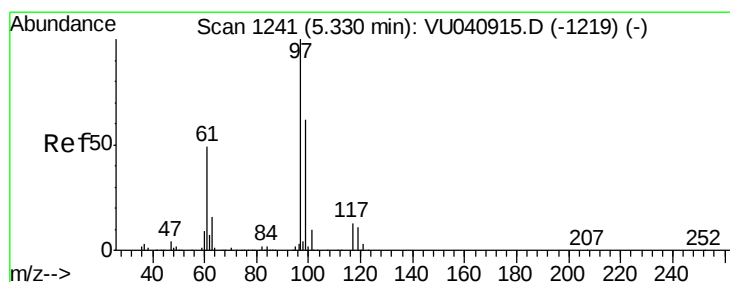
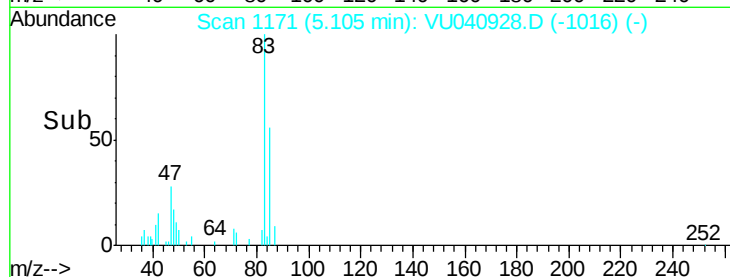
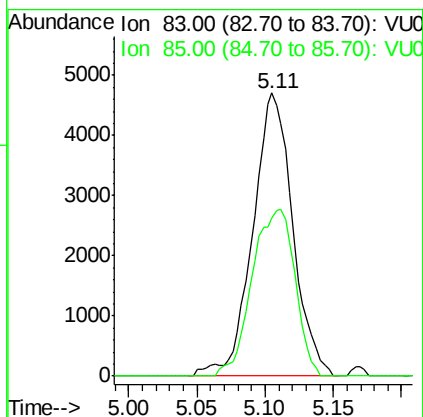
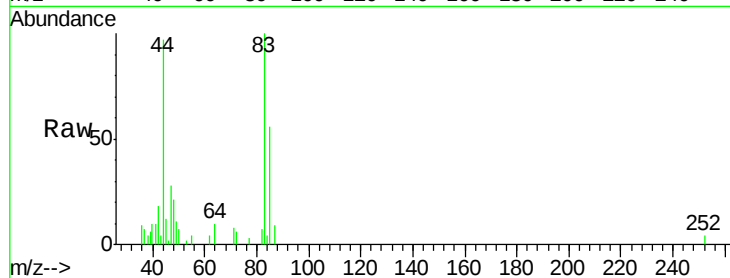
#27
Chloroform
Concen: 0.296 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
85	55.7	0.0	129.0

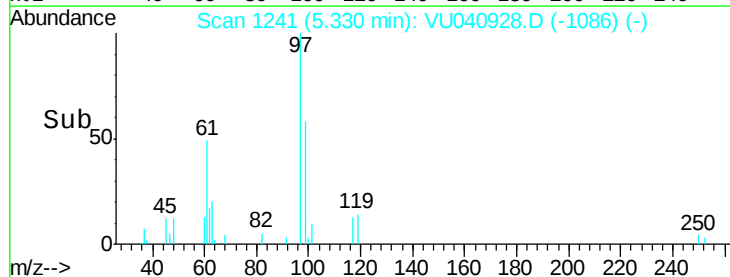
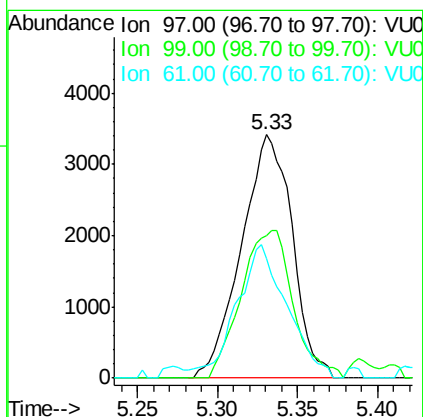
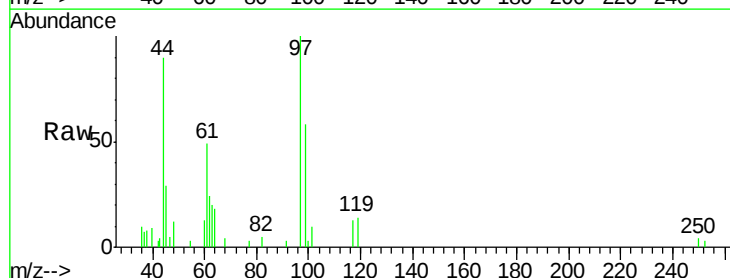
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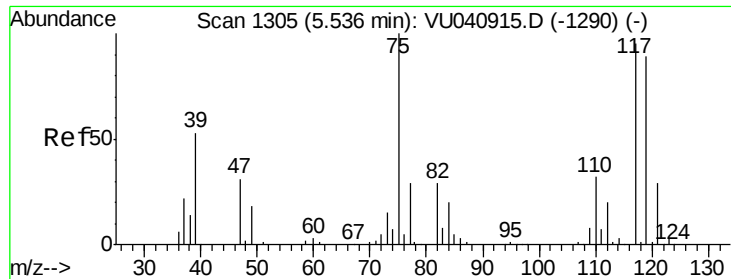
MMDadoda
10/26/2020 4:24:05 PM



#28
1,1,1-Trichloroethane
Concen: 0.267 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	31.4	94.3
61	54.4	24.7	74.1





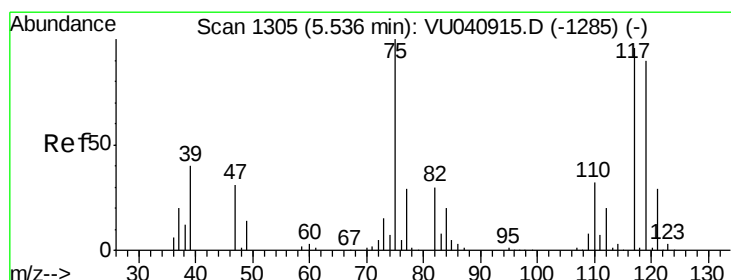
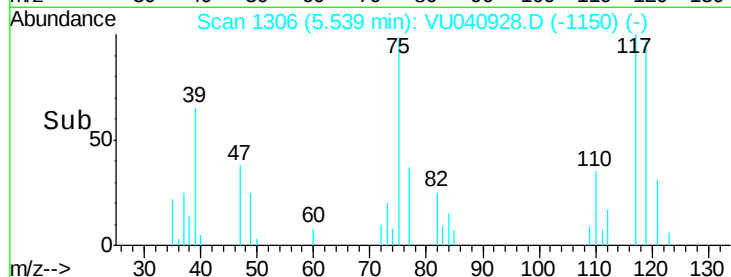
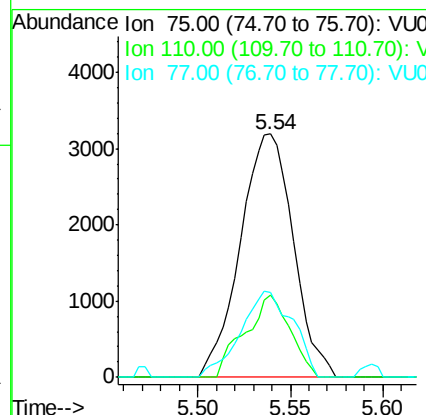
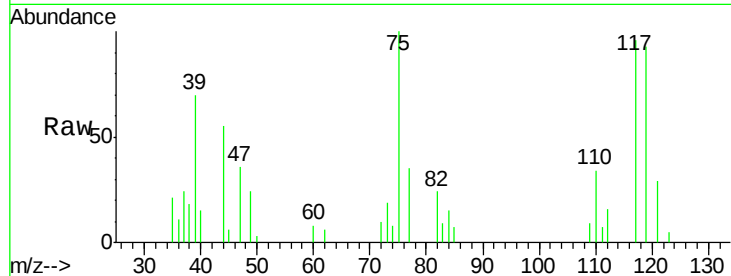
#29
 1,1-Dichloropropene
 Concen: 0.261 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	28.9	15.9	47.6
77	34.6	24.2	36.2

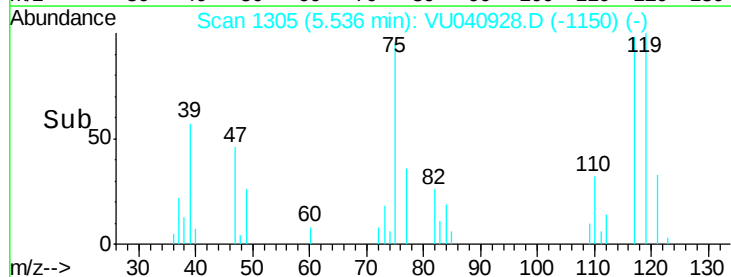
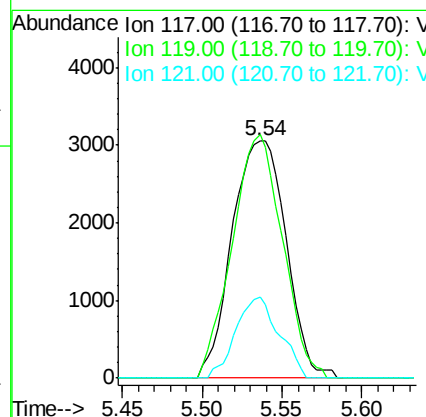
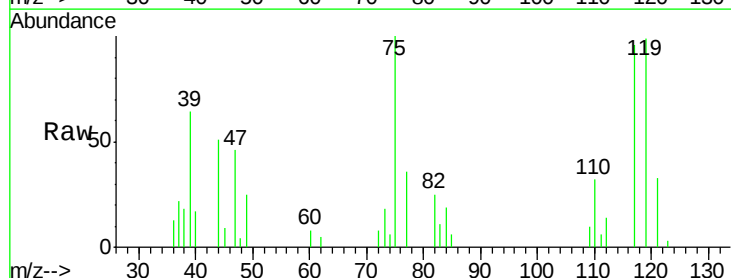
Manual Integrations
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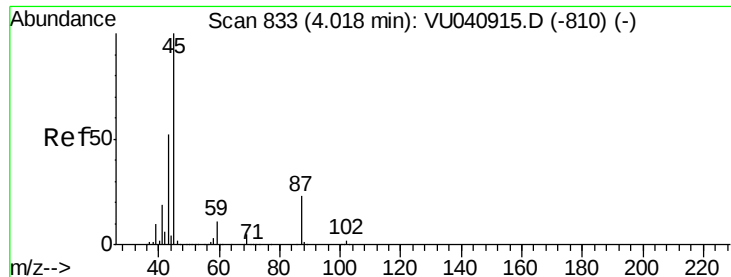
MMDadoda
 10/26/2020 4:24:05 PM



#30
 Carbon Tetrachloride
 Concen: 0.280 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.5	74.9	112.3
121	34.1	24.1	36.1





#31

Isopropyl Ether

Concen: 0.258 ug/l

RT: 4.02 min Scan# 832

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 45 Resp: 13482

Ion Ratio Lower Upper

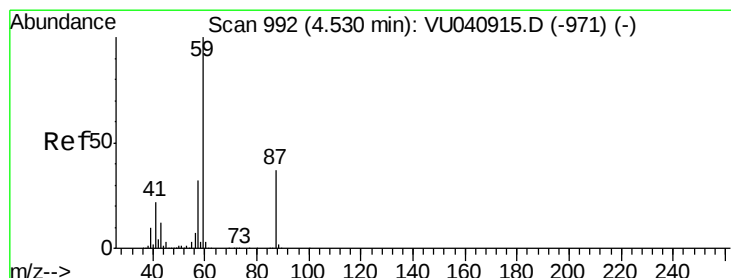
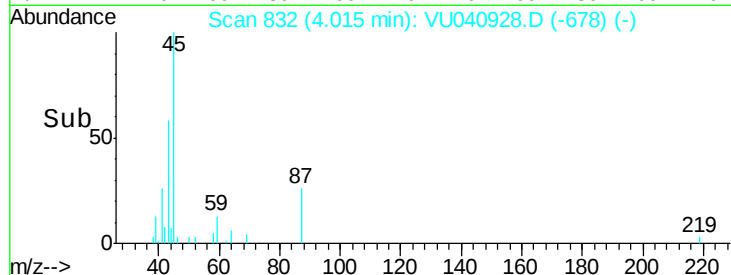
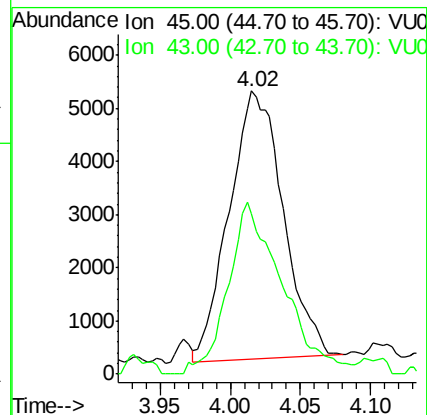
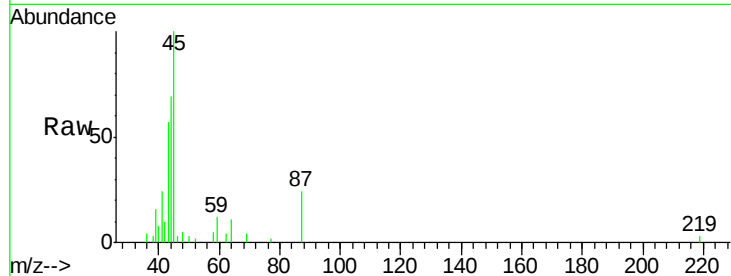
45 100

43 64.5 26.8 80.3

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#32

Ethyl-t-butyl ether

Concen: 0.276 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU040928.D

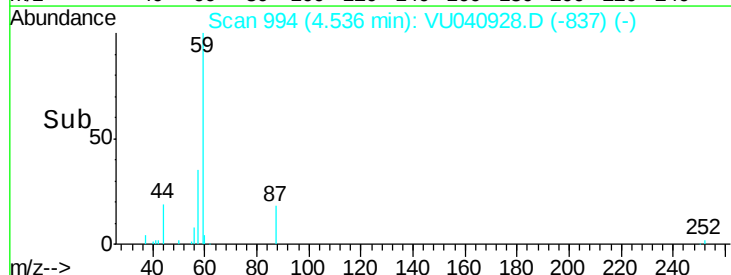
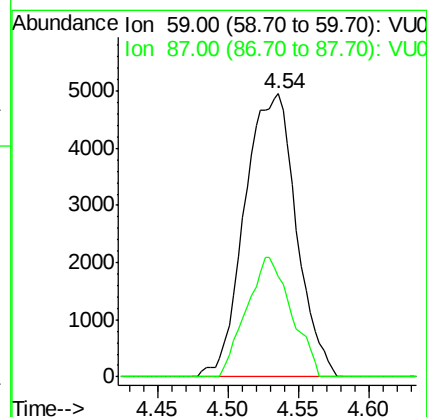
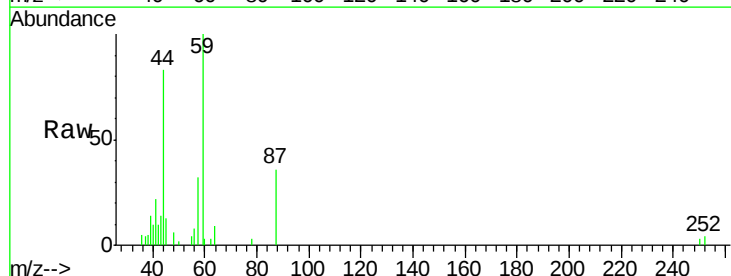
Acq: 23 Oct 2020 11:02

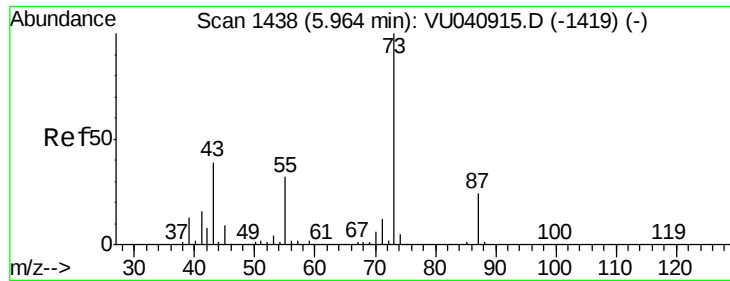
Tgt Ion: 59 Resp: 12679

Ion Ratio Lower Upper

59 100

87 36.6 30.6 46.0





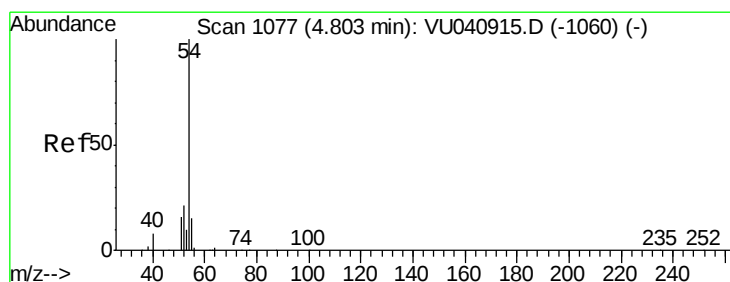
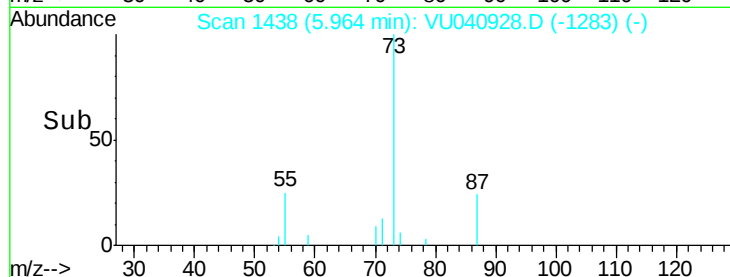
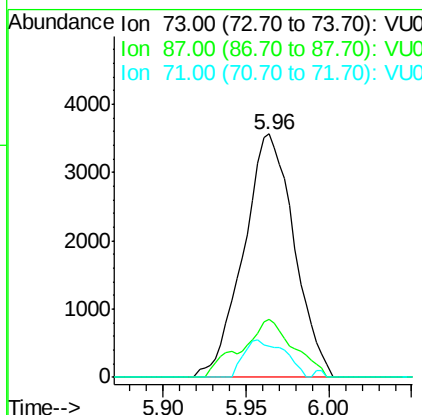
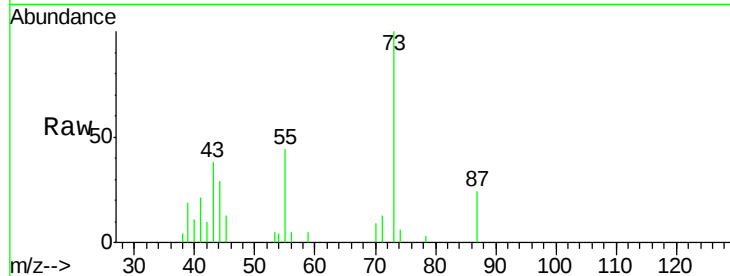
#33
Tert-Butyl methyl ether
Concen: 0.221 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.6	19.0	28.4
71	12.5	9.7	14.5

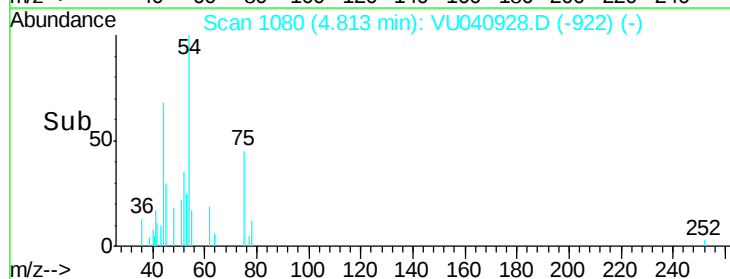
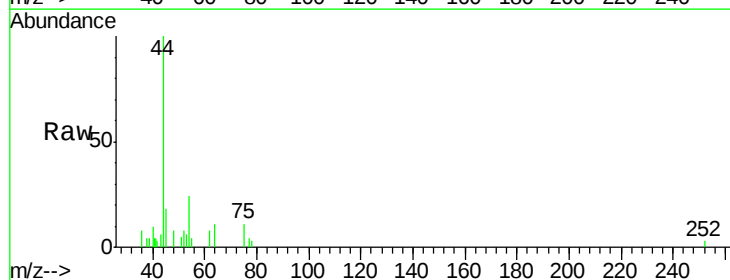
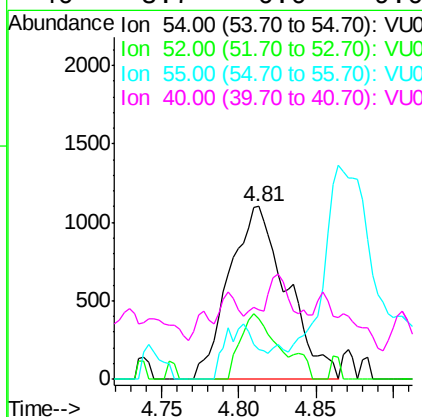
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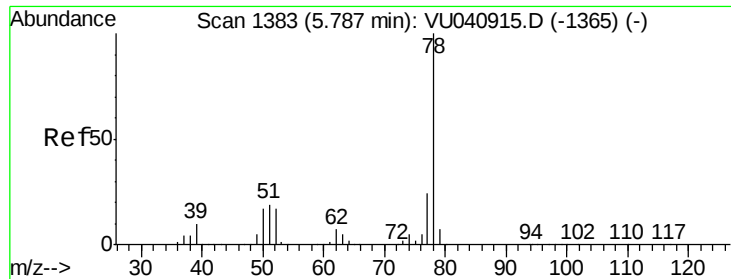
MMDadoda
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#34
Propionitrile
Concen: 1.488 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
54	100		
52	22.0	15.5	23.3
55	17.9	12.5	18.7
40	8.7	6.0	9.0





#35

Benzene

Concen: 0.262 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 78 Resp: 17702

Ion Ratio Lower Upper

78 100

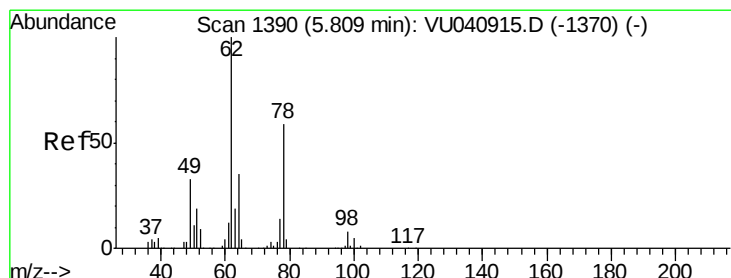
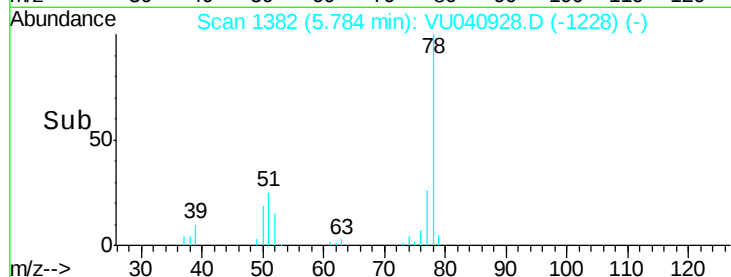
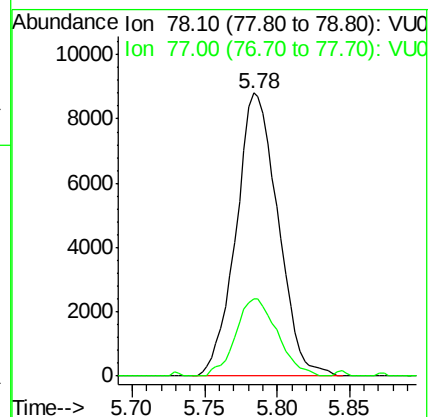
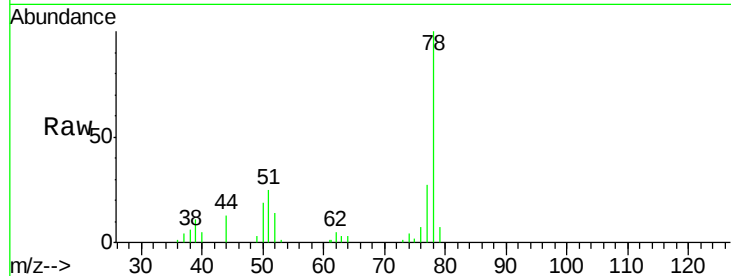
77 27.4 19.4 29.2

Manual Integrations

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10/26/2020 4:24:05 PM



#36

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040928.D

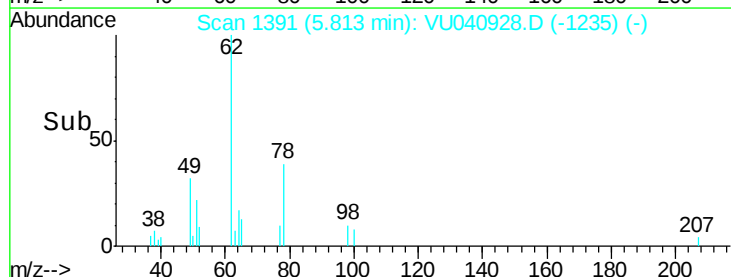
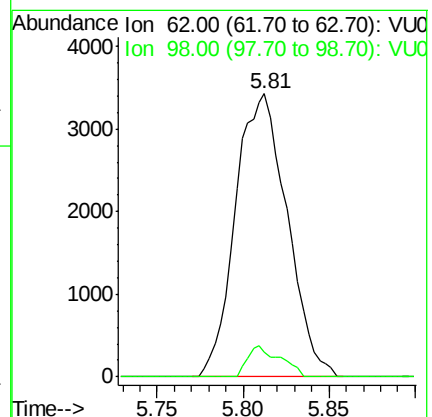
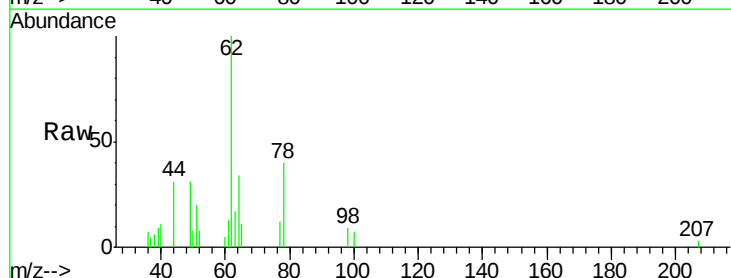
Acq: 23 Oct 2020 11:02

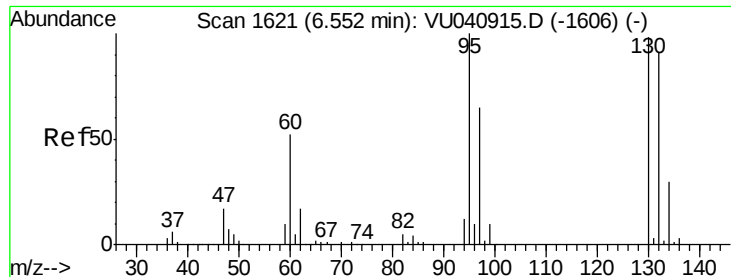
Tgt Ion: 62 Resp: 7144

Ion Ratio Lower Upper

62 100

98 6.9 6.7 10.1





#37

Trichloroethene

Concen: 0.269 ug/l

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:130 Resp: 4303

Ion Ratio Lower Upper

130 100

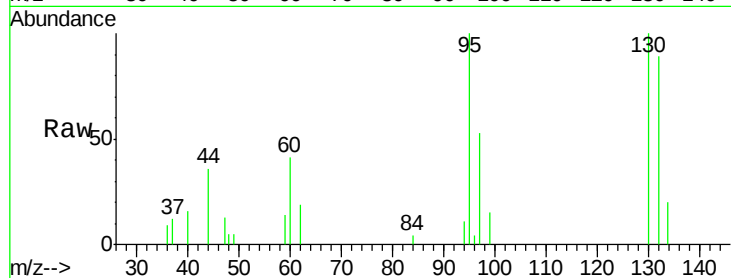
95 99.6 81.9 122.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU040928.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU040928.D (-1466) (-)

6.55

2500

2000

1500

1000

500

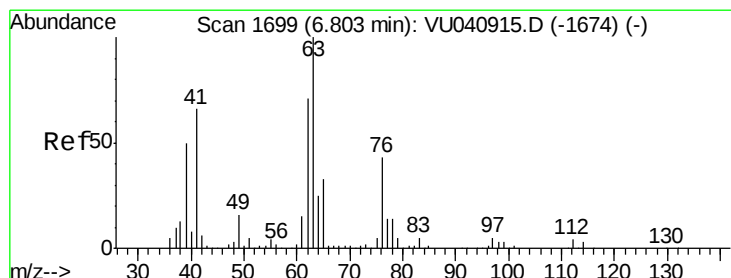
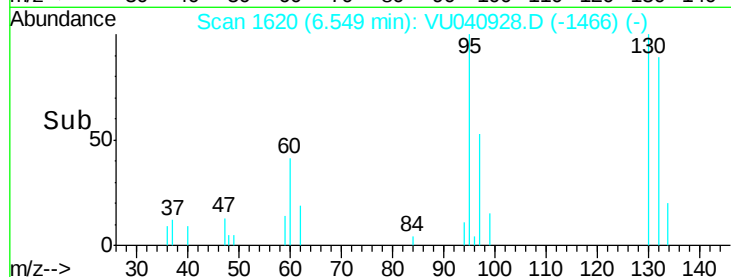
0

6.50

6.55

6.60

Time-->



#38

1,2-Dichloropropane

Concen: 0.255 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040928.D

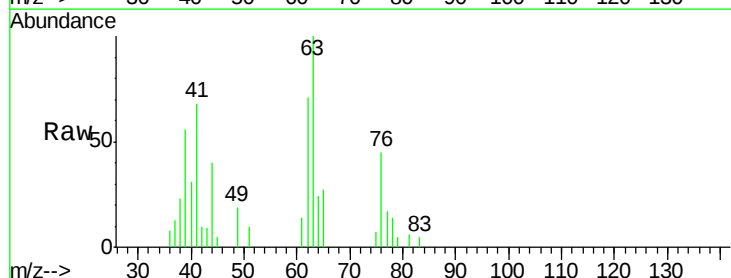
Acq: 23 Oct 2020 11:02

Tgt Ion: 63 Resp: 4897

Ion Ratio Lower Upper

63 100

65 27.3 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040928.D (-1544) (-)

Ion 65.00 (64.70 to 65.70): VU040928.D (-1544) (-)

6.80

3000

2500

2000

1500

1000

500

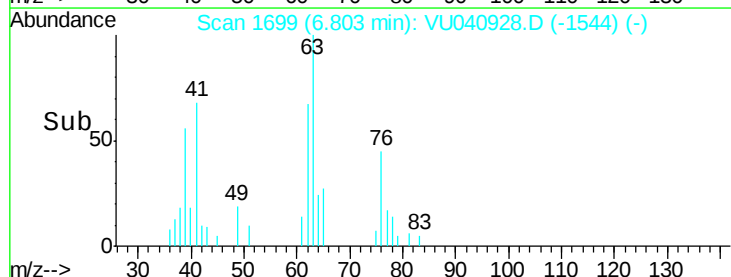
0

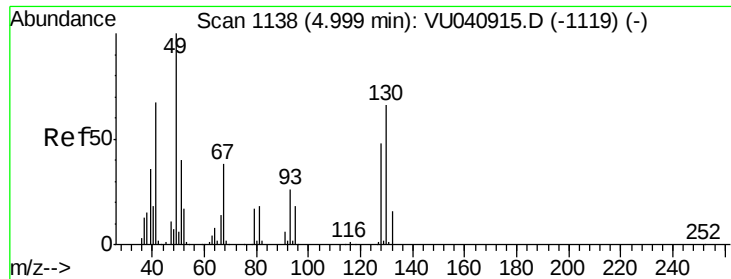
6.75

6.80

6.85

Time-->





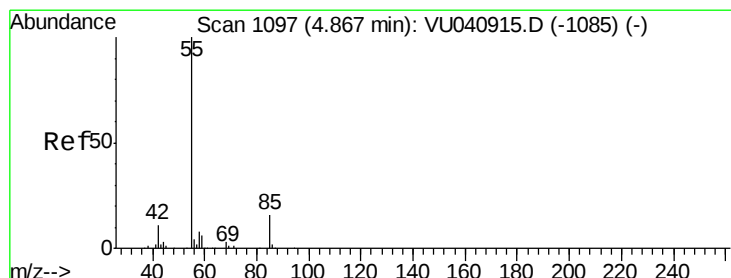
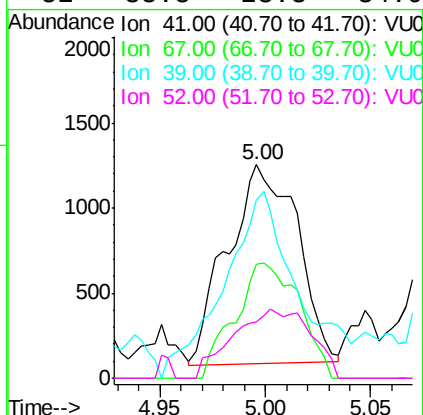
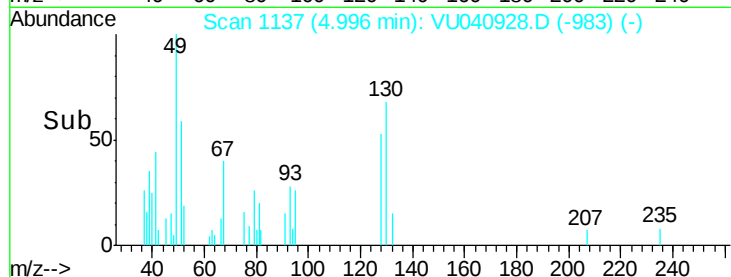
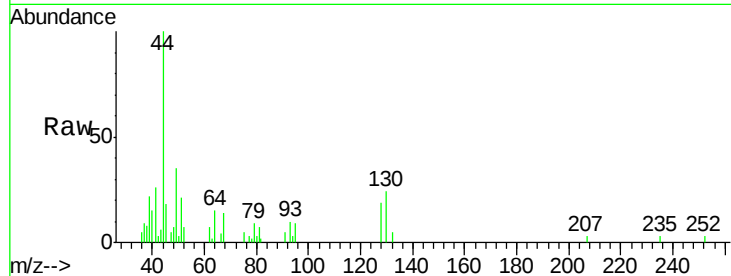
#39
Methacrylonitrile
Concen: 0.299 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
67	53.7	48.7	73.1
39	99.6	44.6	67.0#
52	38.8	23.3	34.9#

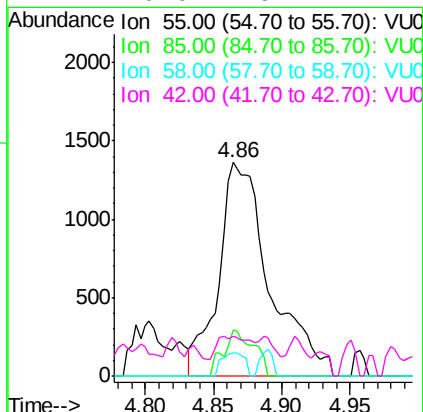
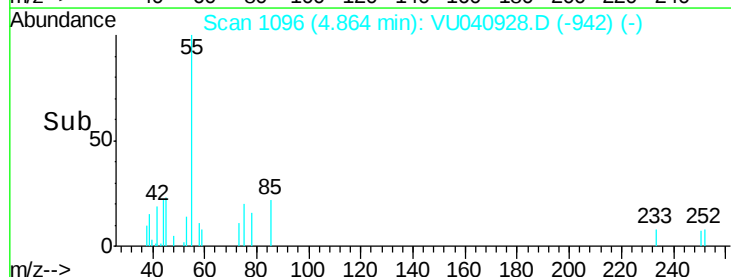
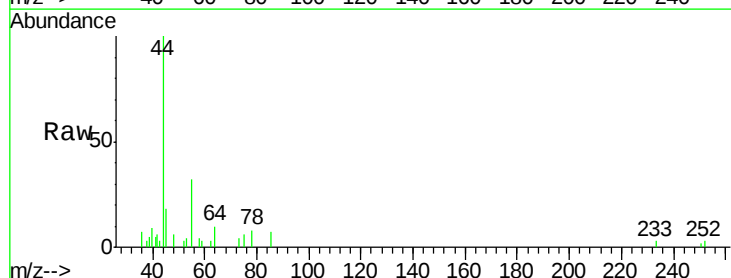
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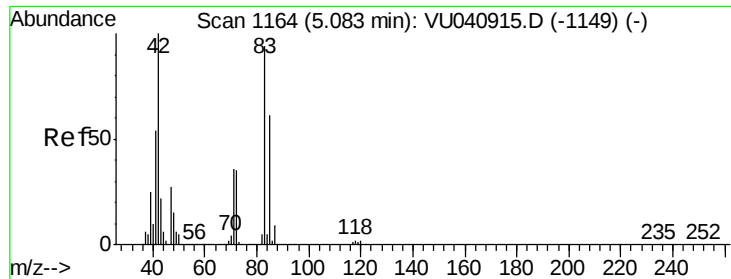
MMDadoda
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#40
Methyl acrylate
Concen: 0.289 ug/l
RT: 4.86 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
55	100		
85	12.6	12.2	18.2
58	5.0	6.8	10.2#
42	0.0	9.4	14.2#





#41

Tetrahydrofuran

Concen: 0.828 ug/l

RT: 5.09 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

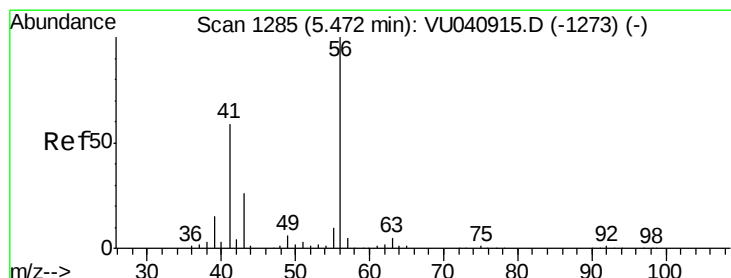
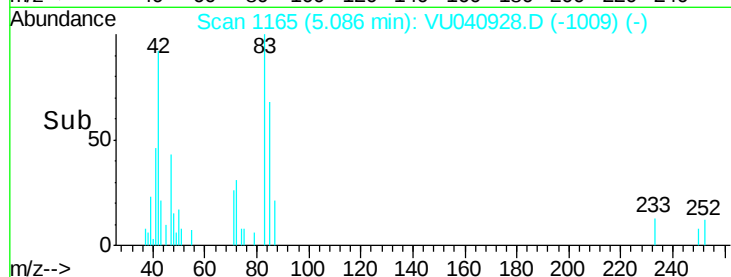
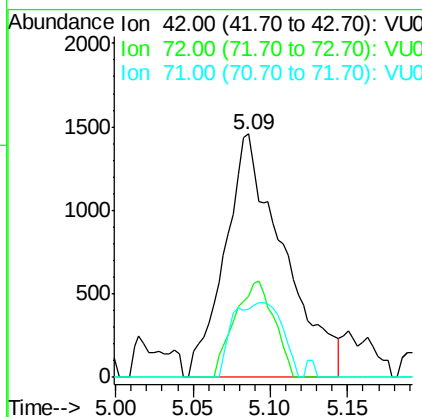
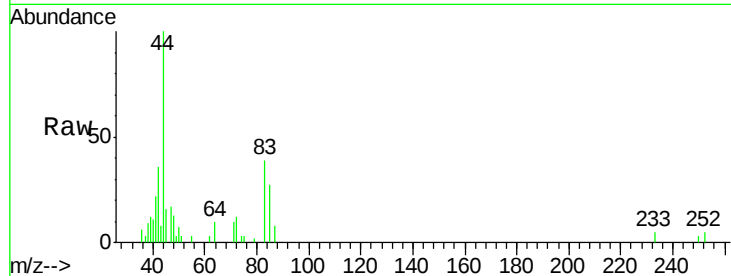
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	42	Resp:	3817
Ion	Ratio	Lower	Upper
42	100		
72	26.7	30.1	45.1#
71	25.9	27.9	41.9#

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#42

1-Chlorobutane

Concen: 0.280 ug/l

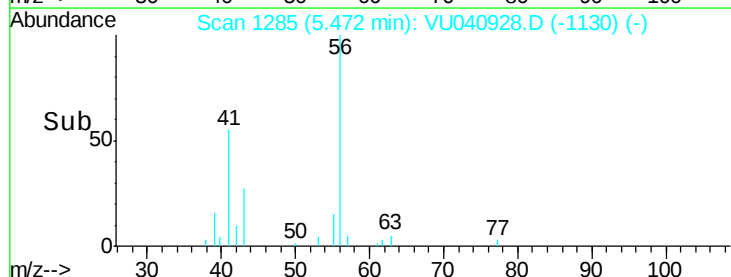
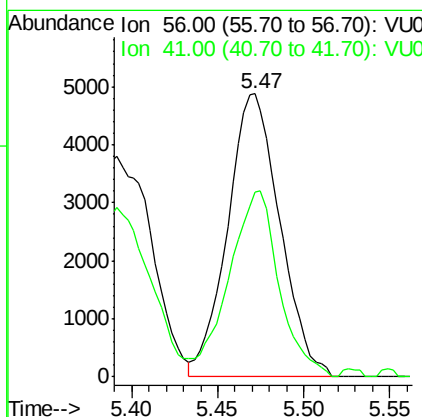
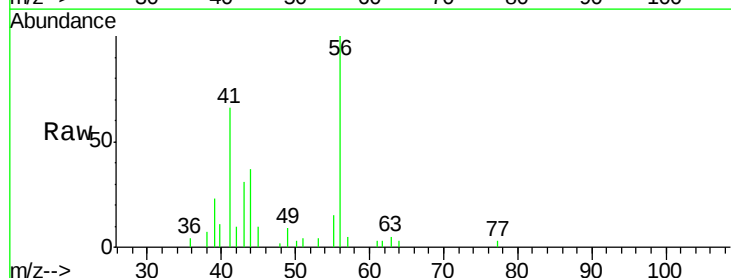
RT: 5.47 min Scan# 1285

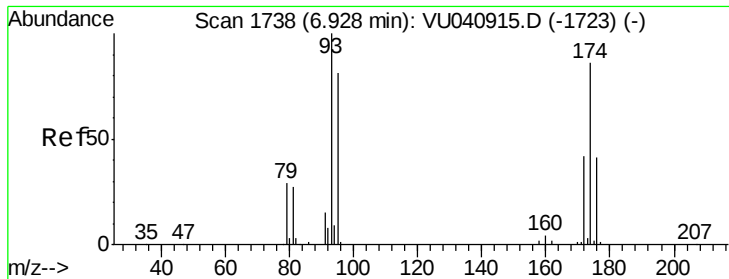
Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Tgt Ion:	56	Resp:	10337
Ion	Ratio	Lower	Upper
56	100		
41	62.4	29.6	88.8





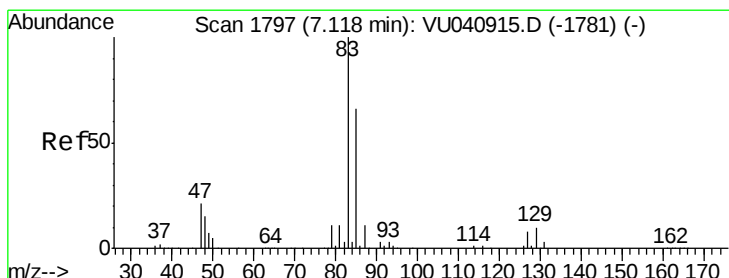
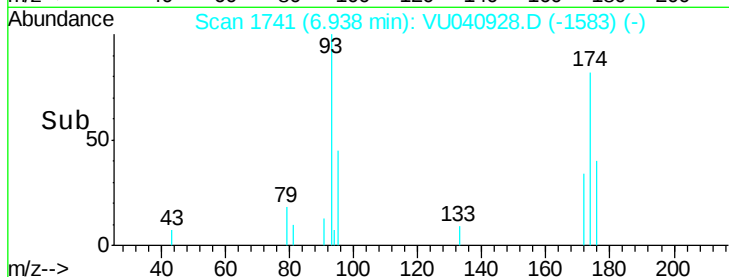
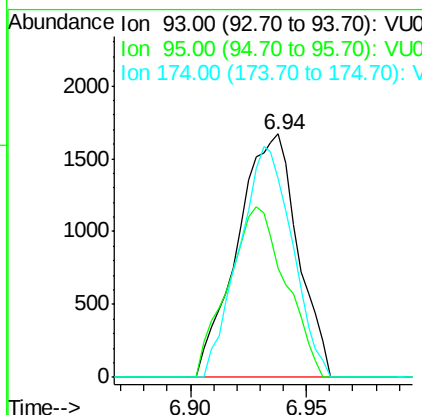
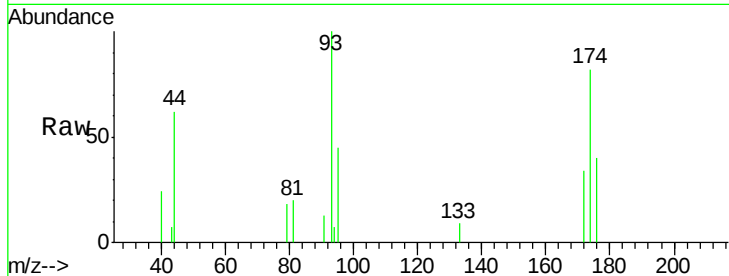
#43
Dibromomethane
Concen: 0.279 ug/l
RT: 6.94 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 93 Resp: 3003
Ion Ratio Lower Upper
93 100
95 66.9 66.3 99.5
174 83.7 70.4 105.6

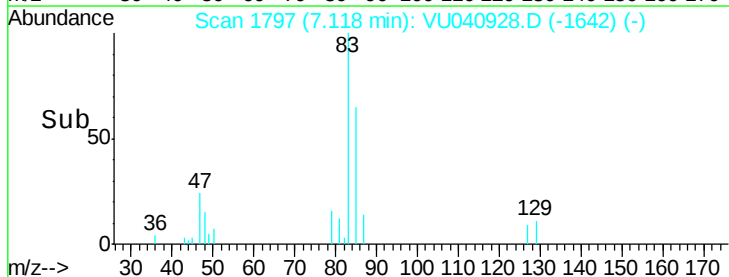
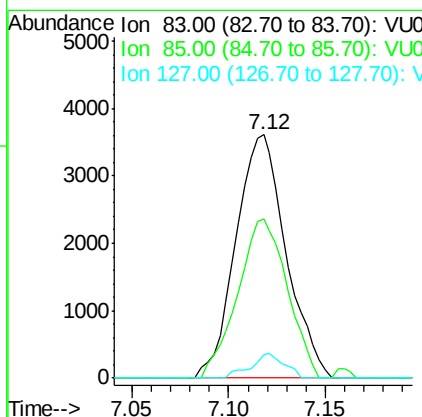
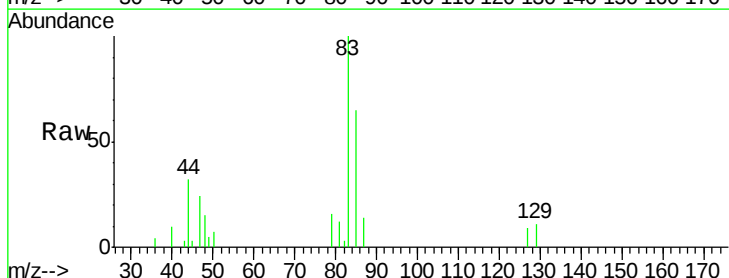
Manual Integrations
APPROVED

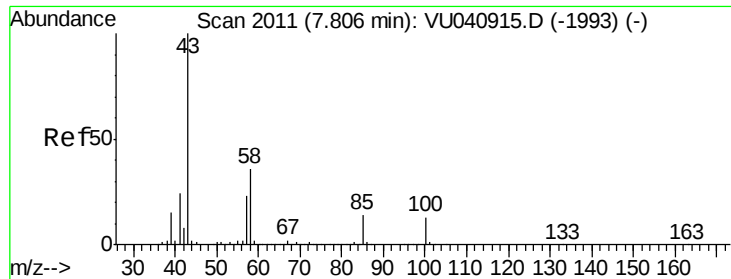
MMDadoda
10/26/2020 4:24:05 PM



#44
Bromodichloromethane
Concen: 0.261 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 83 Resp: 6503
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8
127 9.4 6.4 9.6





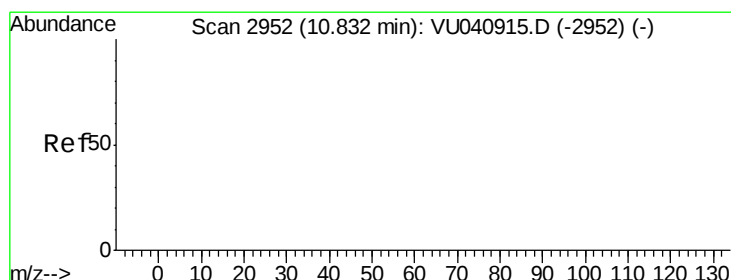
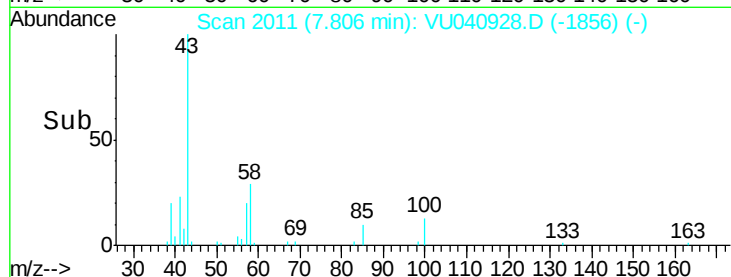
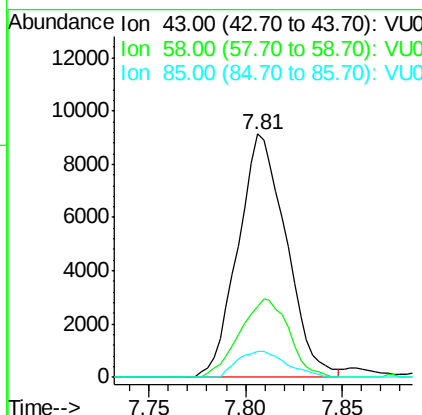
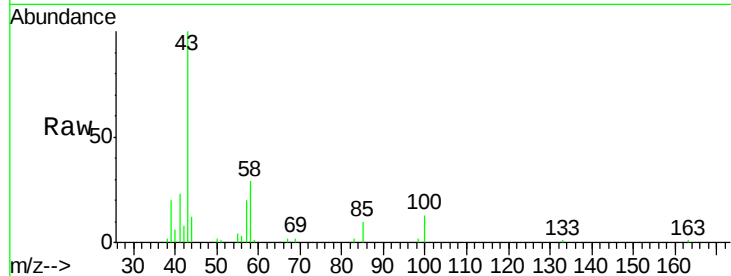
#45
4-Methyl-2-Pentanone
Concen: 1.126 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.8	17.8	53.5
85	10.8	11.4	17.2#

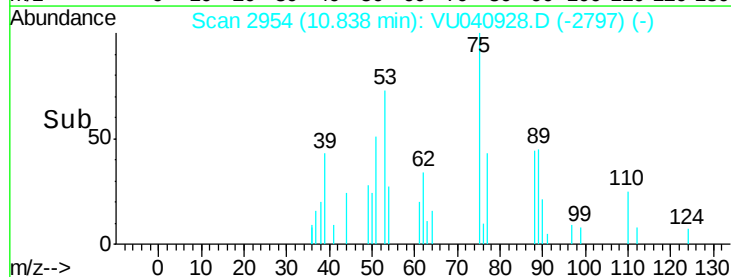
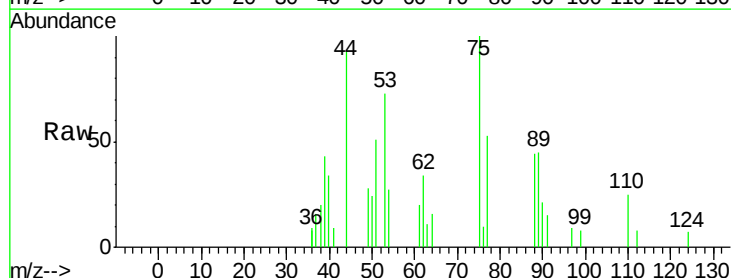
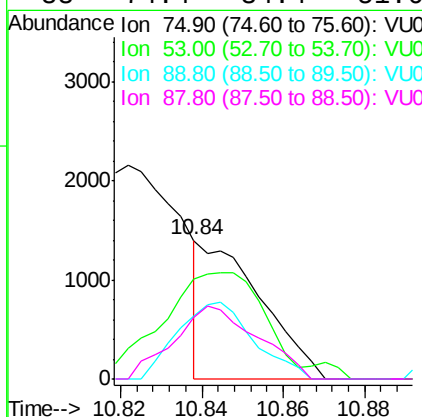
Manual Integrations
APPROVED

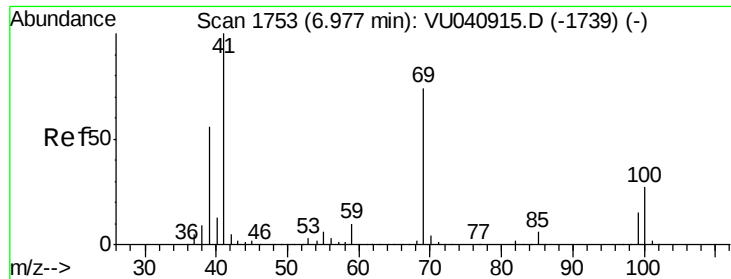
MMDadoda
10/26/2020 4:24:05 PM



#46
t-1,4-Dichloro-2-butene
Concen: 0.252 ug/l m
RT: 10.84 min Scan# 2954
Delta R.T. 0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	138.1	73.0	109.4#
89	71.3	41.7	62.5#
88	74.4	34.4	51.6#





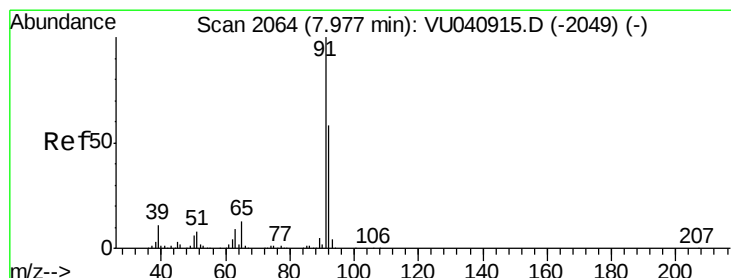
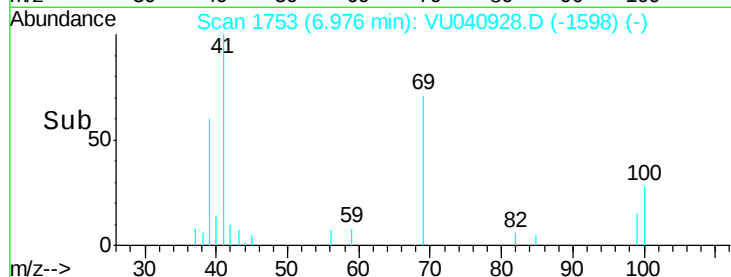
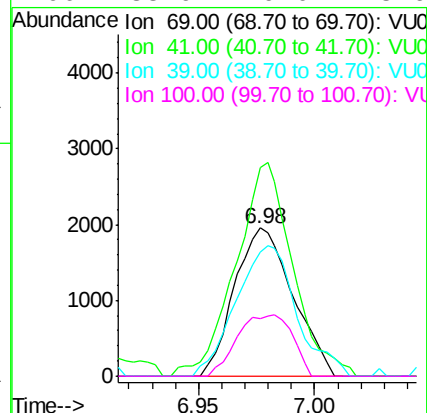
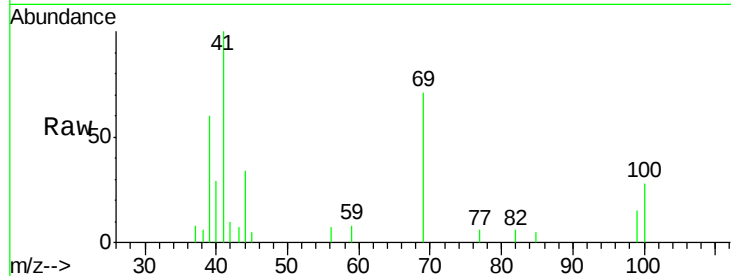
#47
Methvl methacrylate
Concen: 0.381 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	140.8	0.0	270.2	
39	91.4	61.6	92.4	
100	38.9	29.0	43.6	

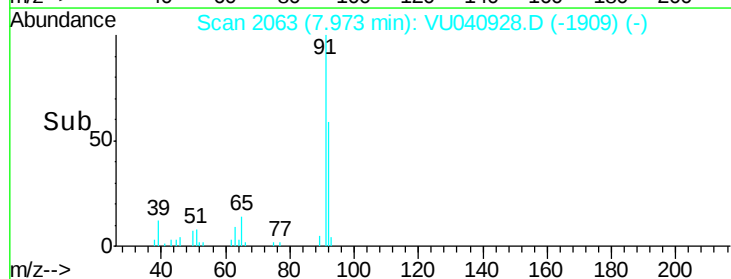
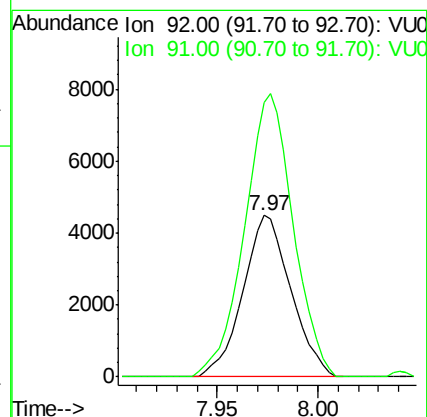
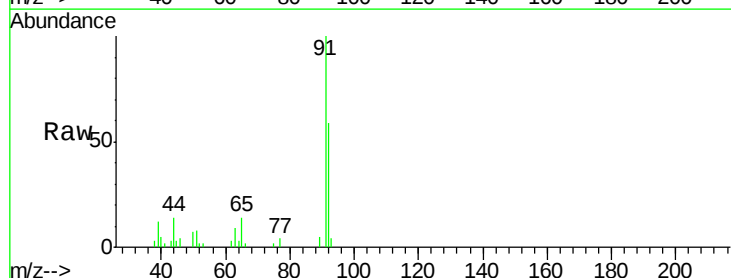
Manual Integrations
APPROVED

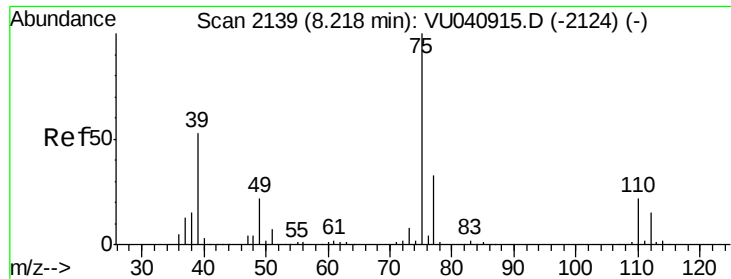
MMDadoda
10/26/2020 4:24:05 PM



#49
Toluene
Concen: 0.201 ug/l
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	177.4	136.8	205.2	





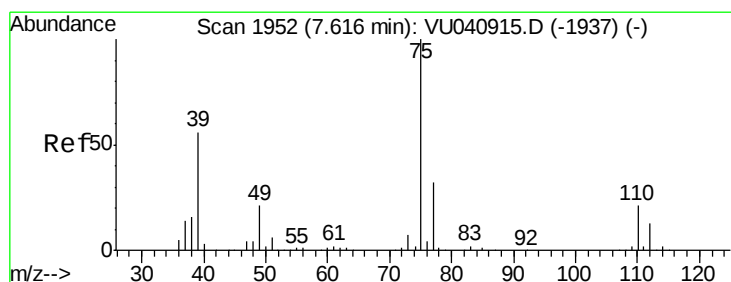
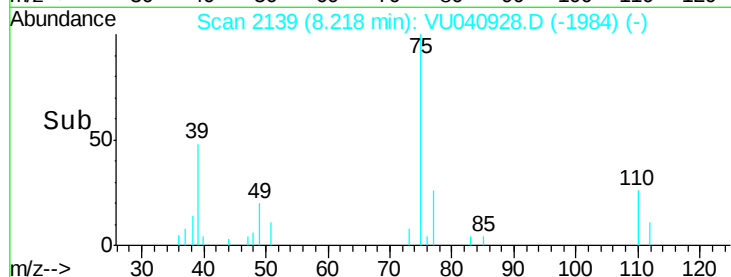
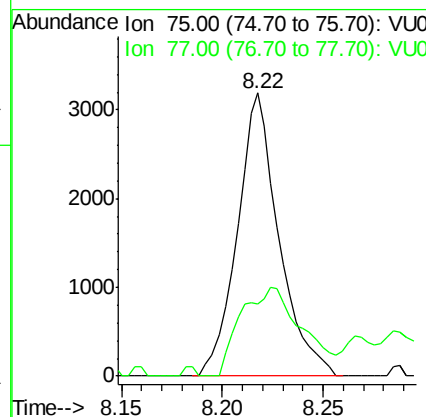
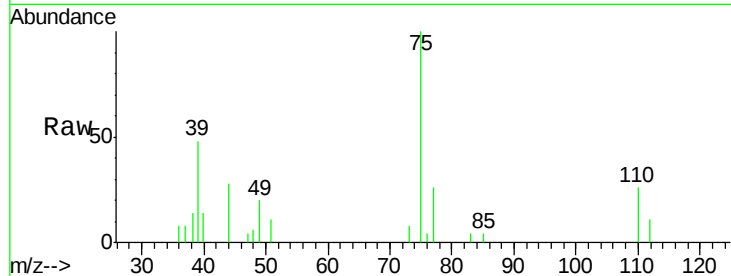
#50
t-1,3-Dichloropropene
Concen: 0.213 ug/l
RT: 8.22 min Scan# 2139
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 4583
Ion Ratio Lower Upper
75 100
77 22.4 26.2 39.4#

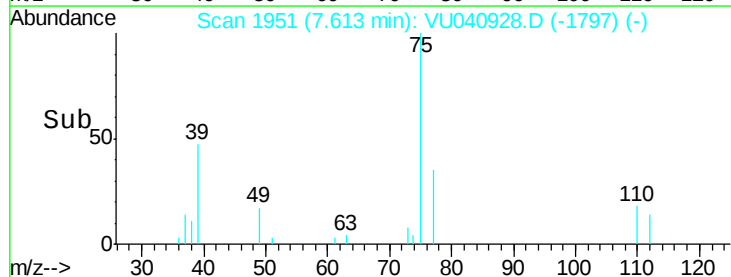
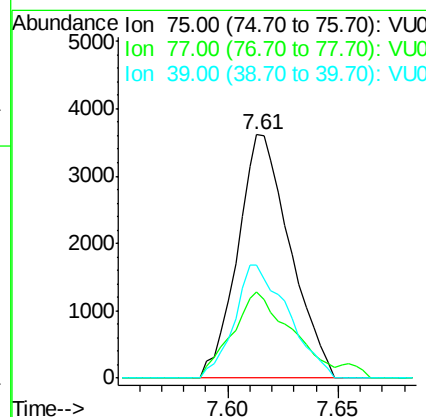
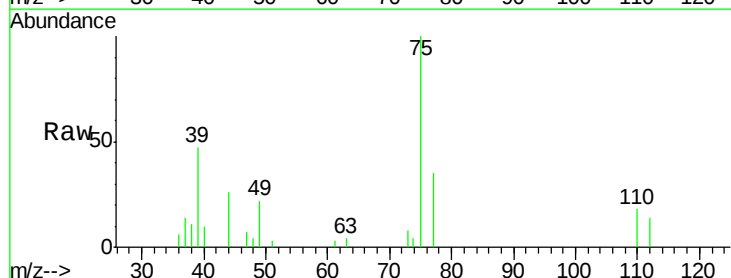
Manual Integrations
APPROVED

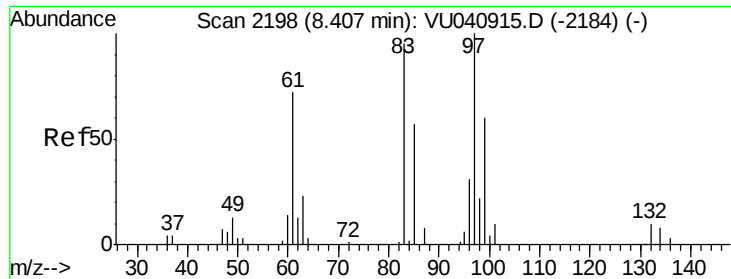
MMDadoda
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#51
cis-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 75 Resp: 5957
Ion Ratio Lower Upper
75 100
77 35.1 25.4 38.0
39 46.5 44.7 67.1





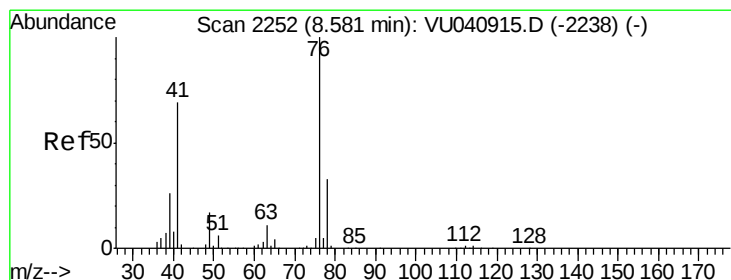
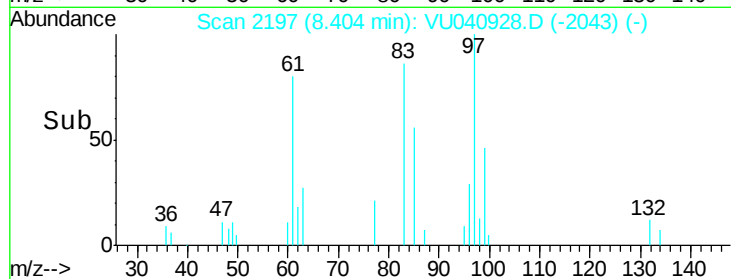
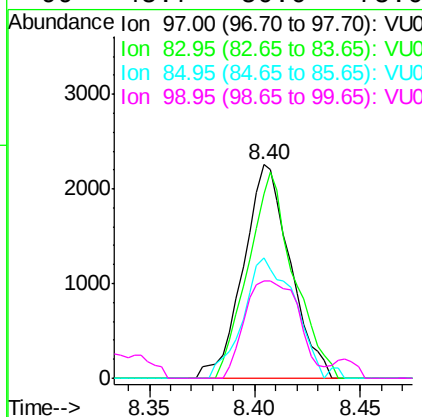
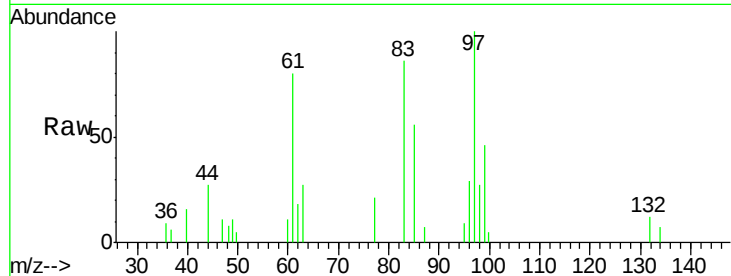
#52
 1,1,2-Trichloroethane
 Concen: 0.256 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		3473		
83	86.4	75.9	113.9		
85	56.4	46.1	69.1		
99	45.7	50.0	75.0		

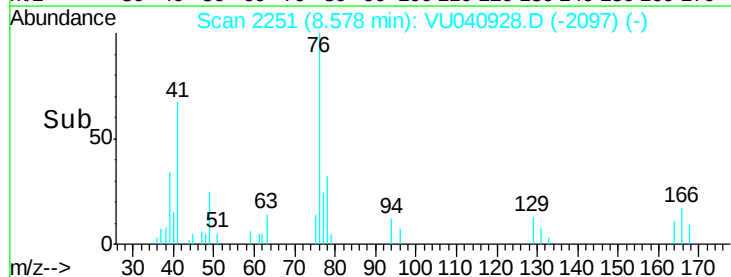
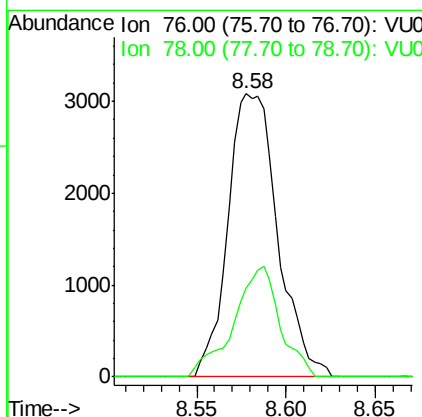
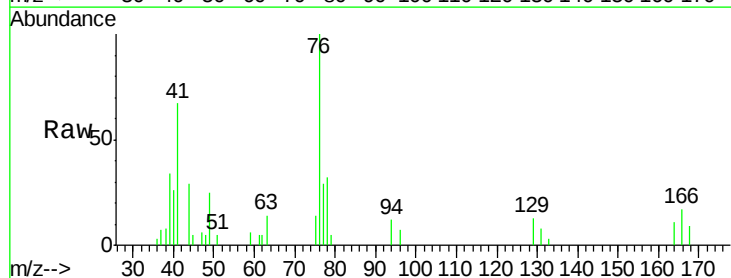
Manual Integrations
 APPROVED

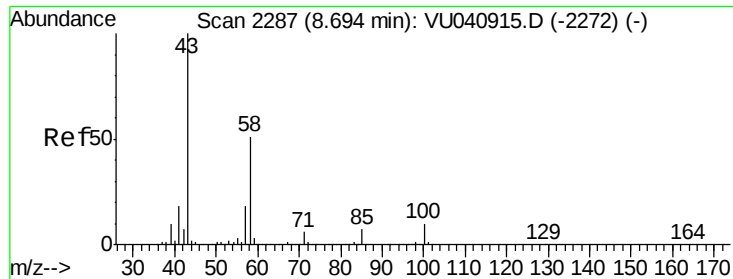
MMDadoda
 10/26/2020 4:24:05 PM



#53
 1,3-Dichloropropane
 Concen: 0.245 ug/l
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
76	100		5973		
78	36.4	26.6	39.8		





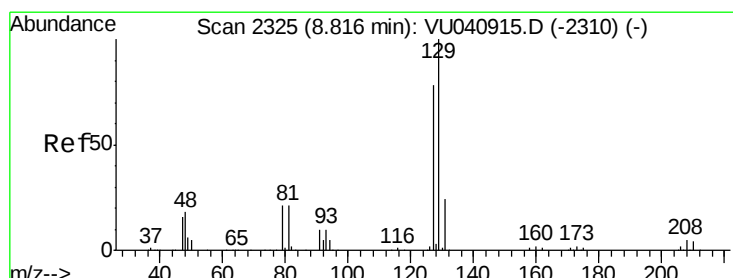
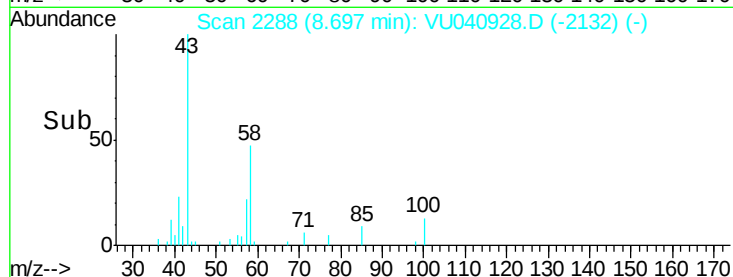
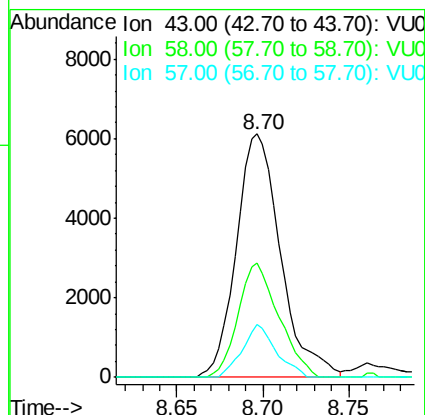
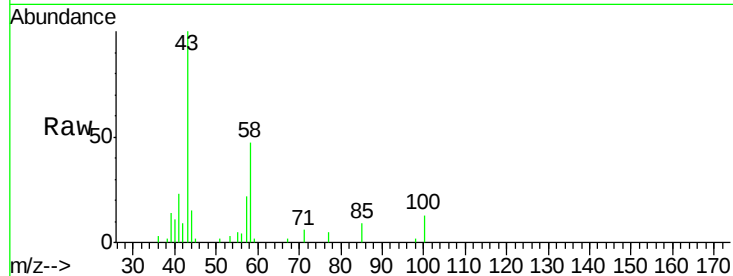
#54
2-Hexanone
Concen: 1.112 ug/l
RT: 8.70 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.0	30.2	70.2
57	16.5	0.0	37.4

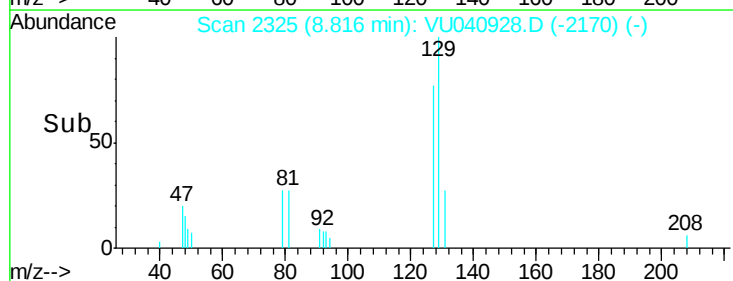
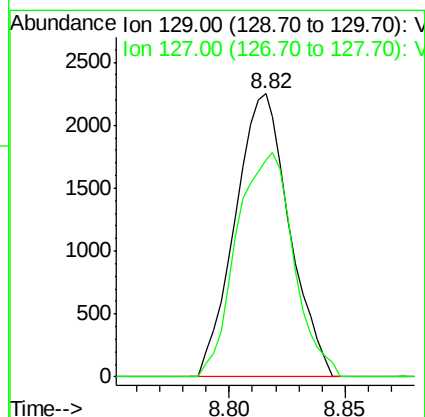
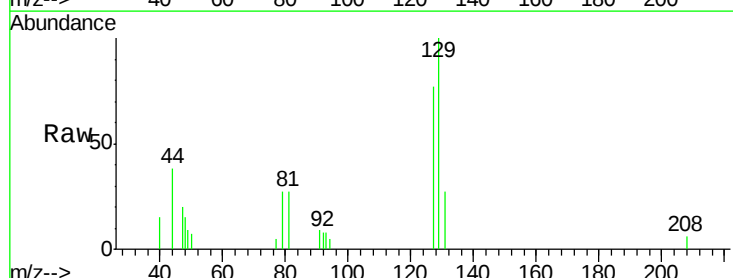
Manual Integrations
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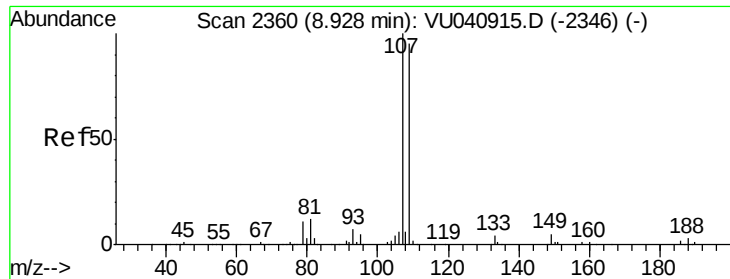
MMDadoda
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#55
Dibromochloromethane
Concen: 0.224 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.9	63.1	94.7





#56

1,2-Dibromoethane

Concen: 0.233 ug/l

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

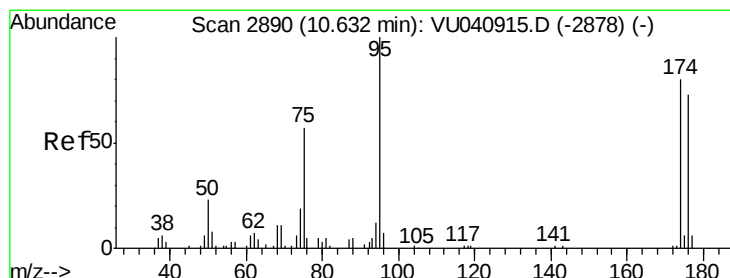
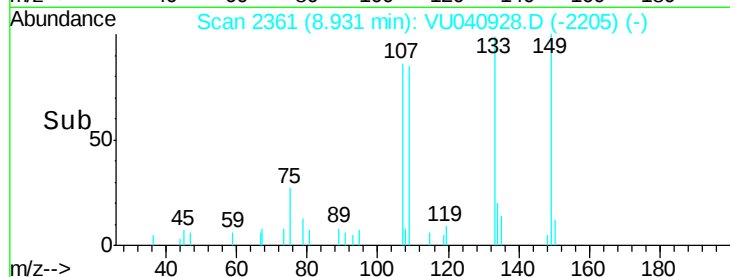
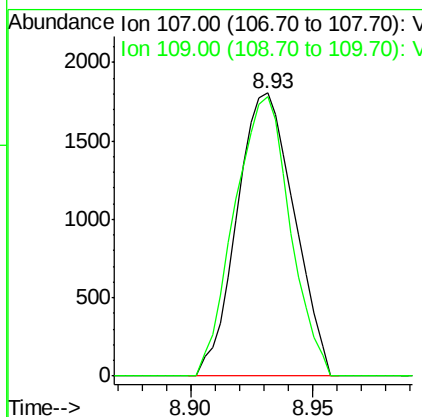
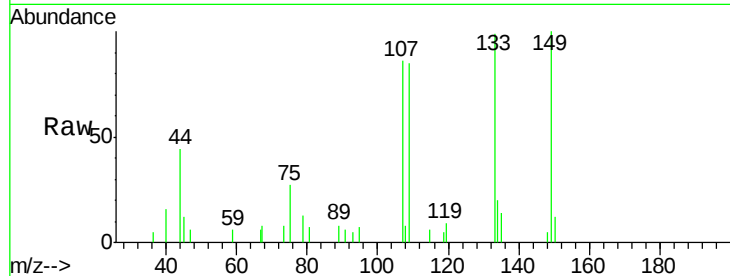
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 107 Resp: 2934
 Ion Ratio Lower Upper
 107 100
 109 96.0 0.0 190.4

Manual Integrations
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#57

4-Bromofluorobenzene

Concen: 0.785 ug/l

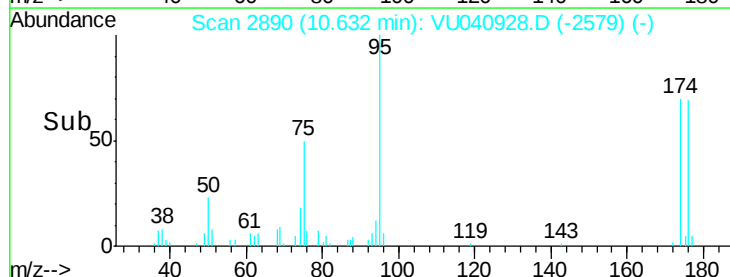
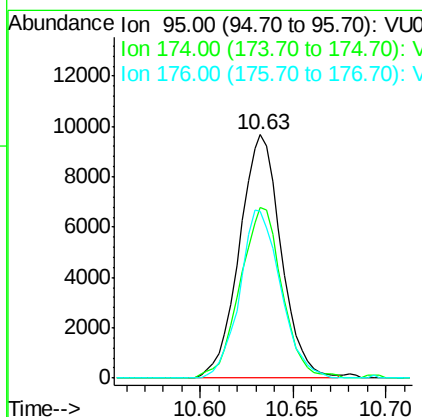
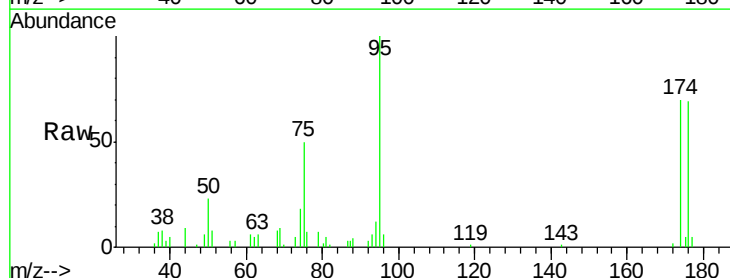
RT: 10.63 min Scan# 2890

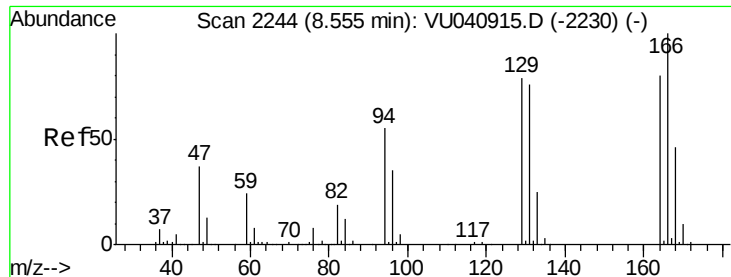
Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Tgt Ion: 95 Resp: 15112
 Ion Ratio Lower Upper
 95 100
 174 70.5 60.3 90.5
 176 67.8 55.6 83.4





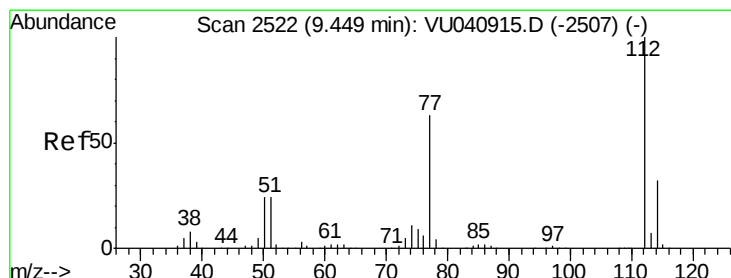
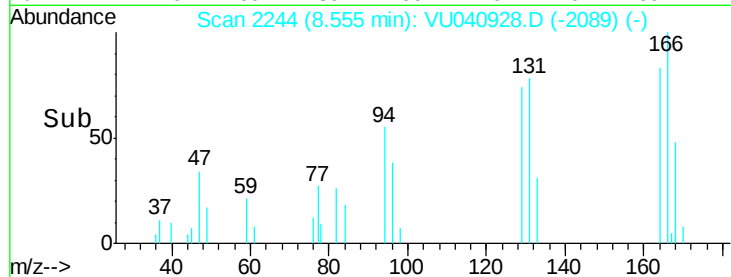
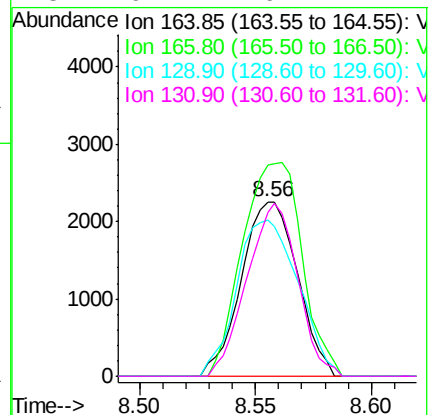
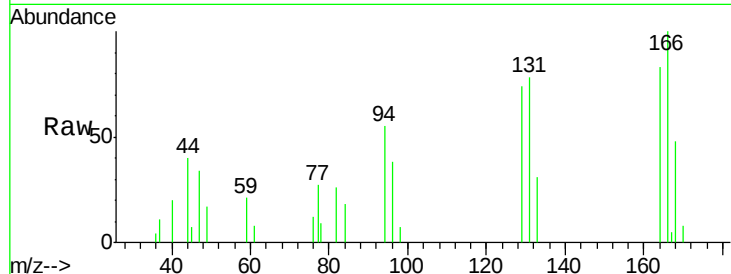
#58
Tetrachloroethene
Concen: 0.254 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	120.9	100.3	150.5
129	89.2	79.4	119.0
131	94.1	76.2	114.4

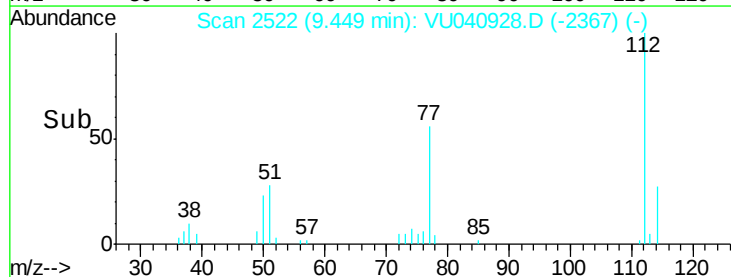
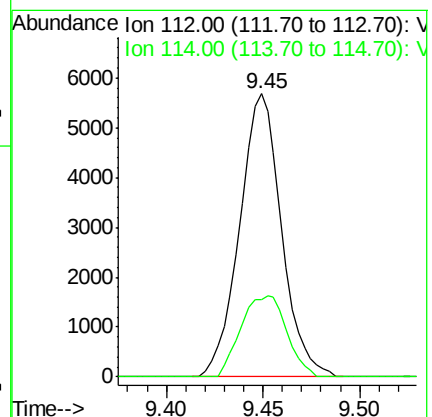
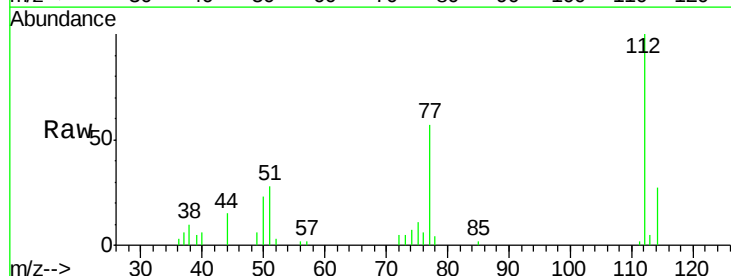
Manual Integrations
APPROVED

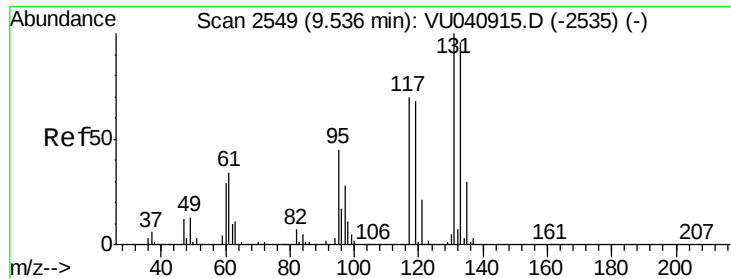
MMDadoda
10/26/2020 4:24:05 PM



#59
Chlorobenzene
Concen: 0.218 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.4	25.8	38.8





#60

1,1,1,2-Tetrachloroethane

Concen: 0.226 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

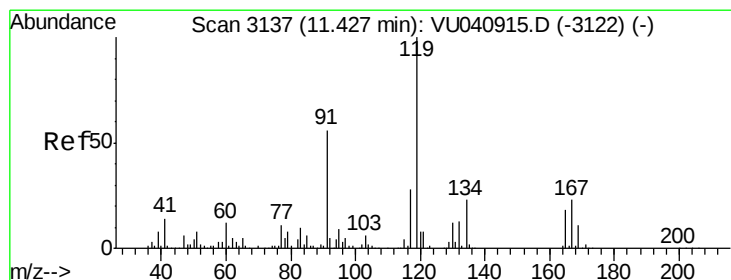
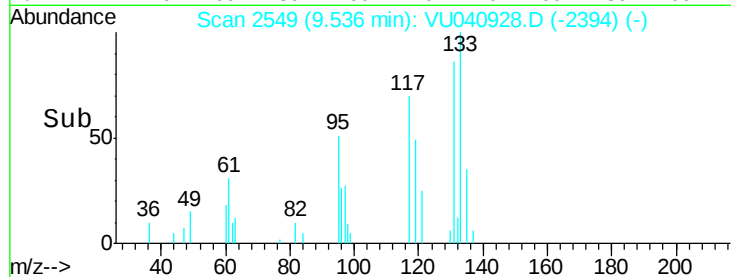
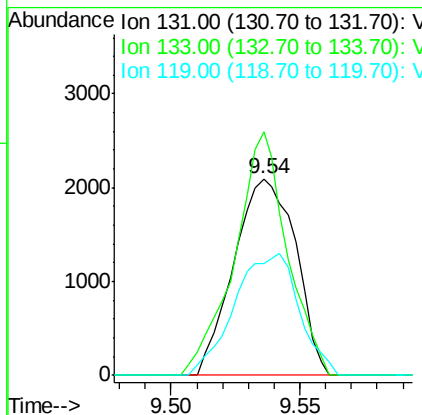
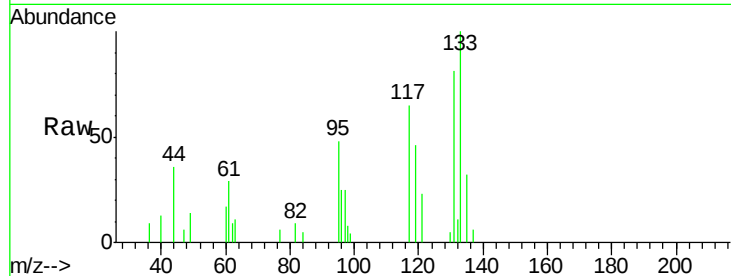
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	105.3	77.4	116.0
119	64.9	53.5	80.3

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#61

Pentachloroethane

Concen: 0.241 ug/l

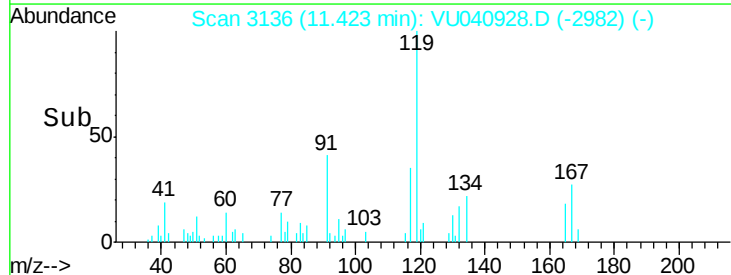
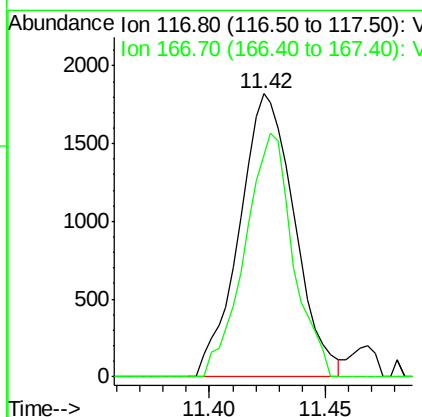
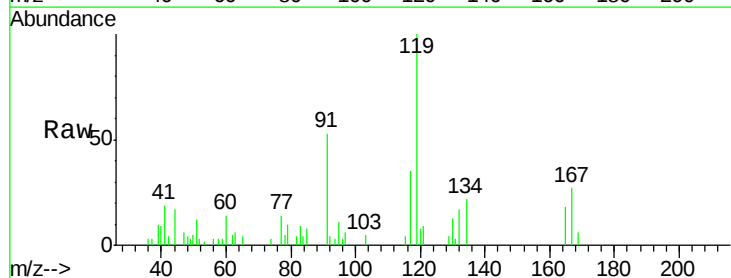
RT: 11.42 min Scan# 3136

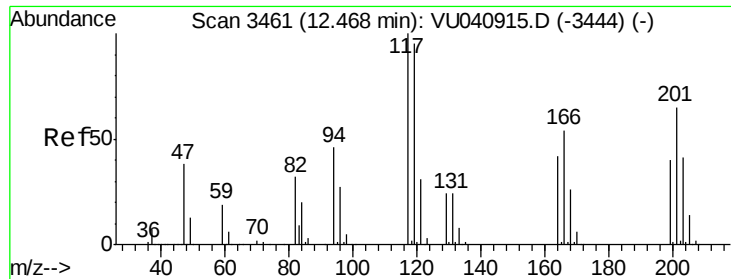
Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
167	75.3	59.4	89.2





#62

Hexachloroethane

Concen: 0.249 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:117 Resp: 3159

Ion Ratio Lower Upper

117 100

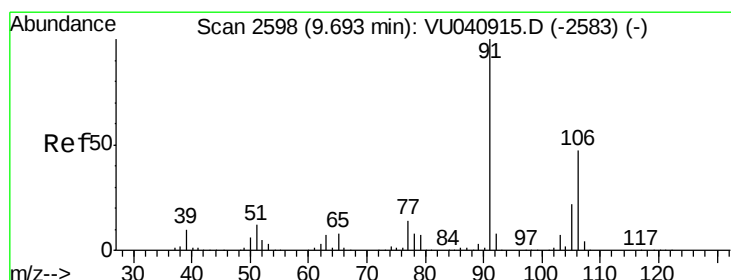
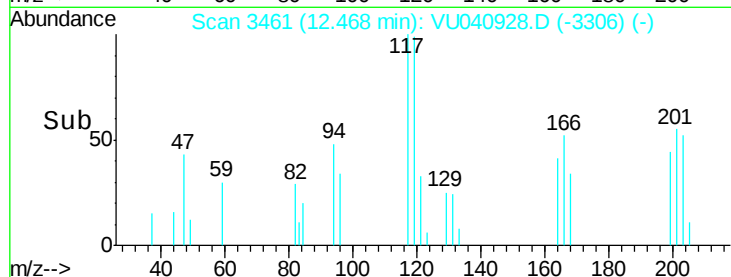
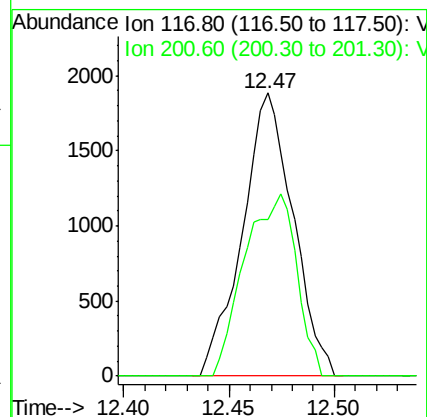
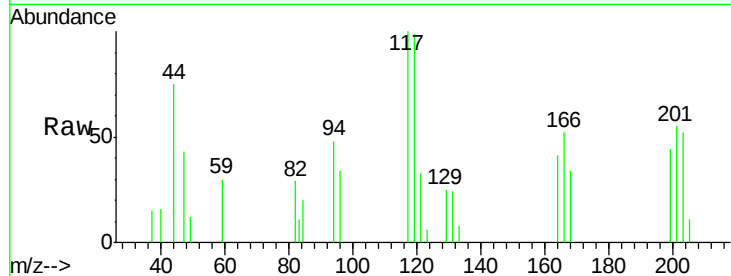
201 65.6 52.6 78.8

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#64

m/p-Xylenes

Concen: 0.716 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040928.D

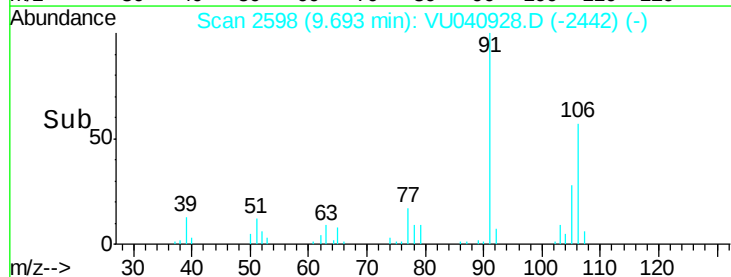
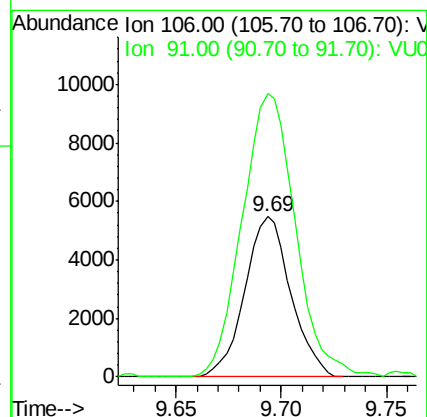
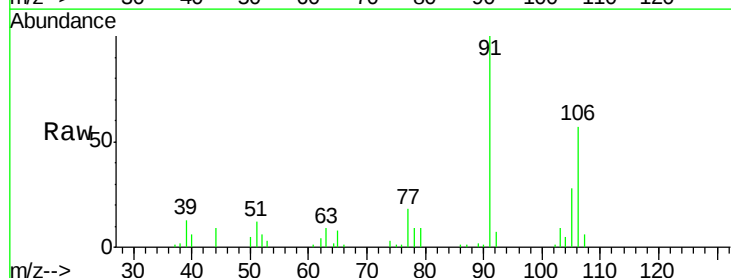
Acq: 23 Oct 2020 11:02

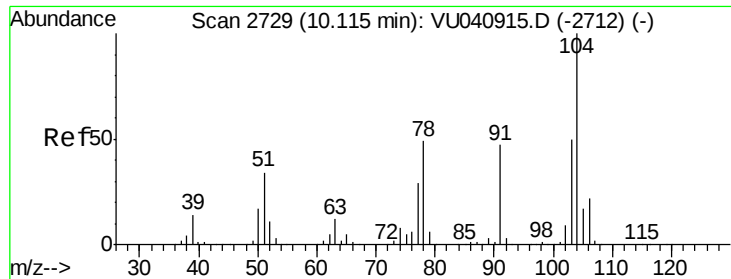
Tgt Ion:106 Resp: 8321

Ion Ratio Lower Upper

106 100

91 204.3 168.3 252.5





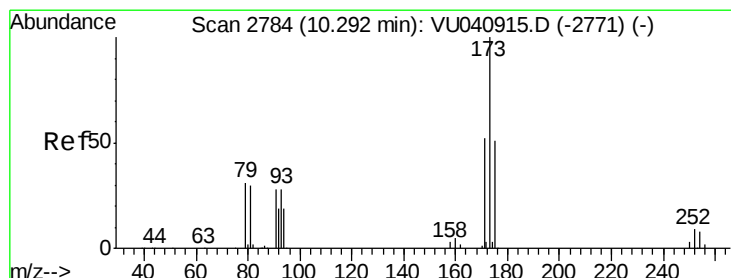
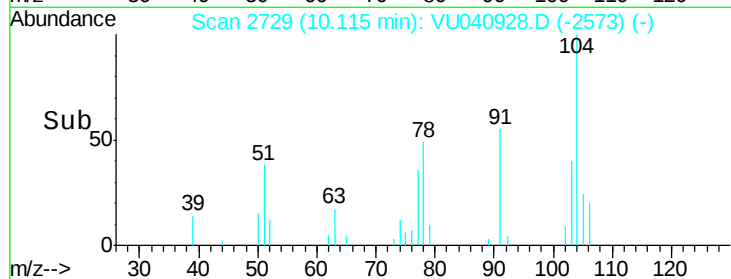
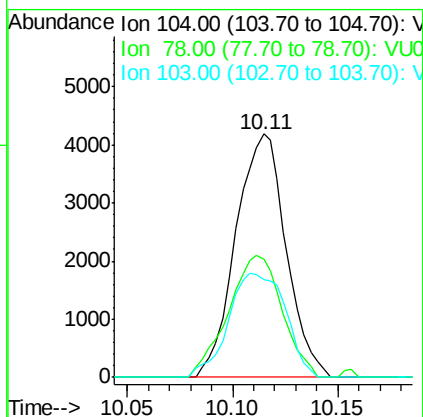
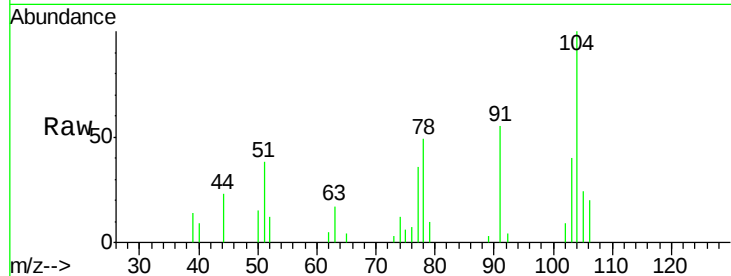
#66
Stvrene
Concen: 0.404 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.4	65.0
103	48.5	43.1	64.7

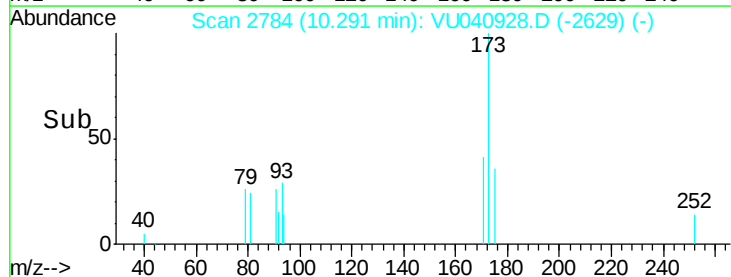
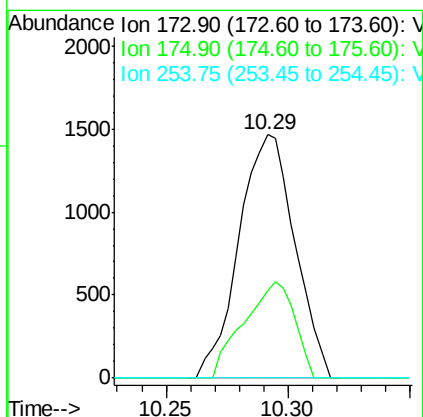
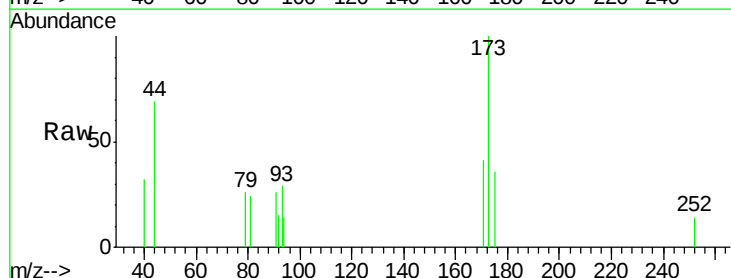
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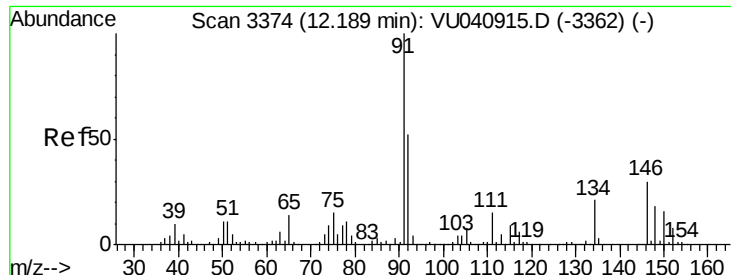
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#67
Bromoform
Concen: 0.264 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	36.1	39.0	58.4#
254	0.0	6.6	9.8#





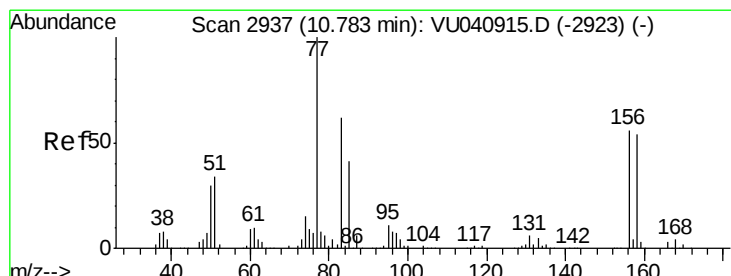
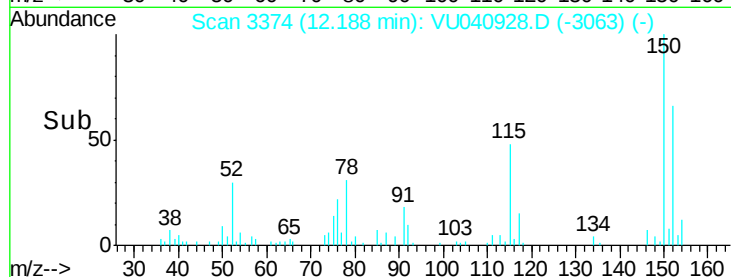
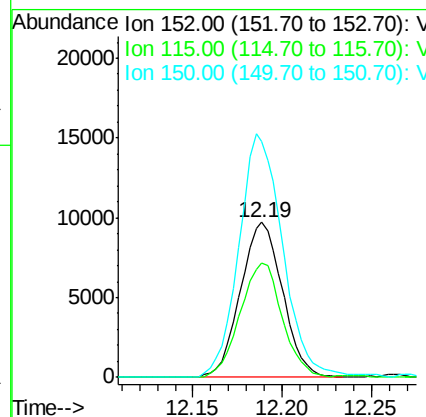
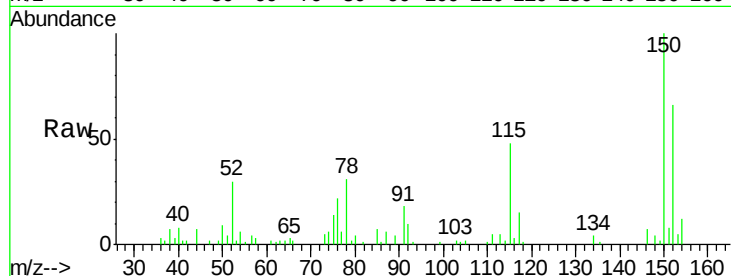
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.796 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
152	100		
115	74.0	0.0	323.4
150	163.8	0.0	653.8

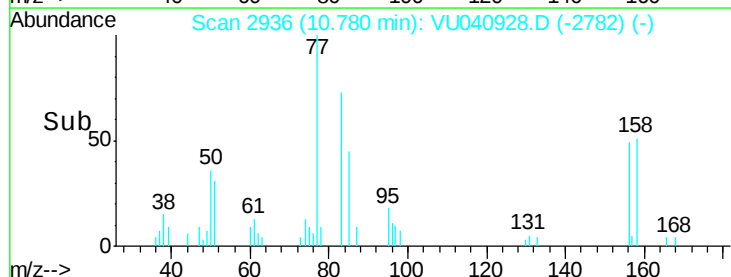
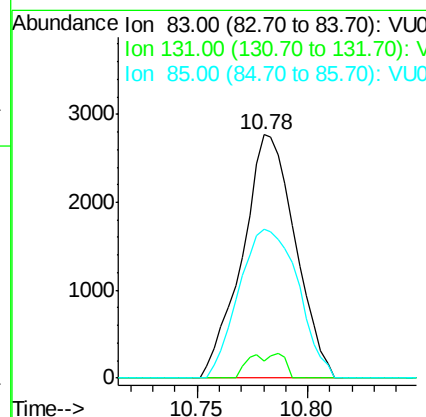
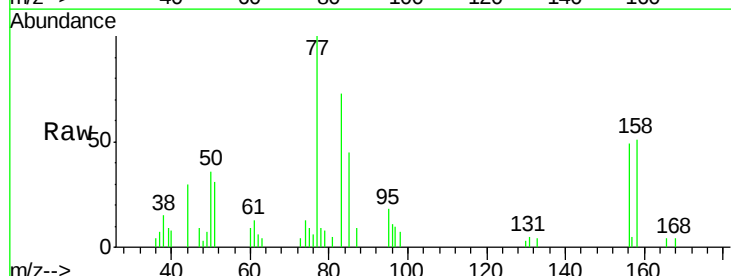
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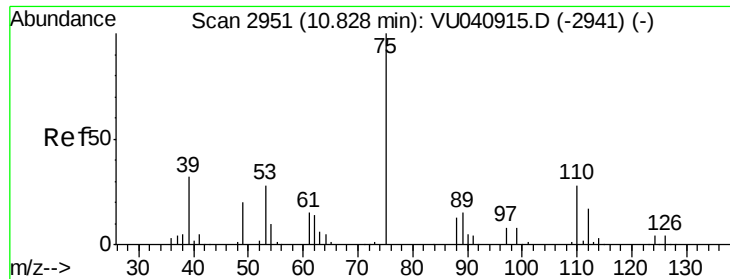
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#70
 1,1,2,2-Tetrachloroethane
 Concen: 0.249 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.5	7.1	10.7#
85	68.5	51.8	77.6





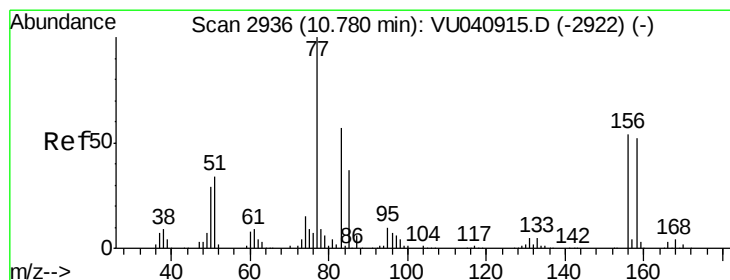
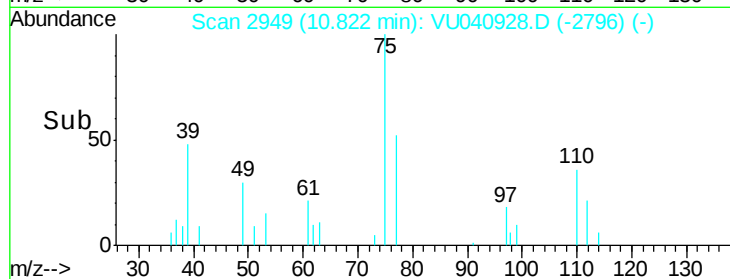
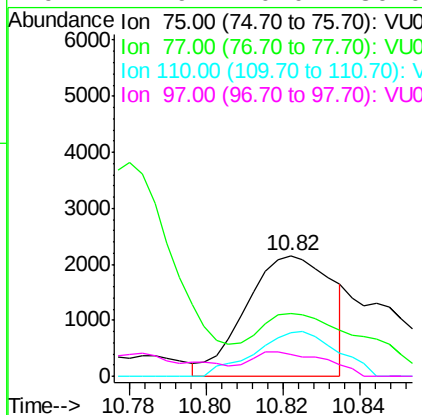
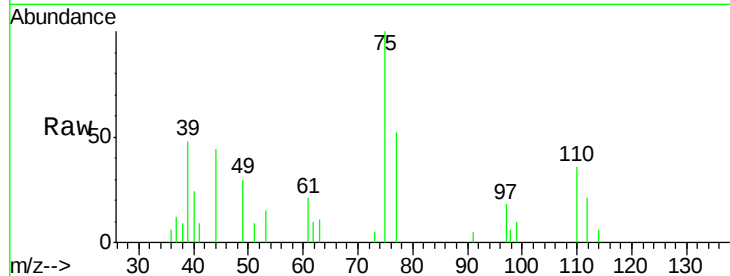
#71
 1,2,3-Trichloropropane
 Concen: 0.238 ug/l m
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	70.7	0.0	110.8
110	110	35.3	0.0	73.4
97	97	17.9	0.0	36.0

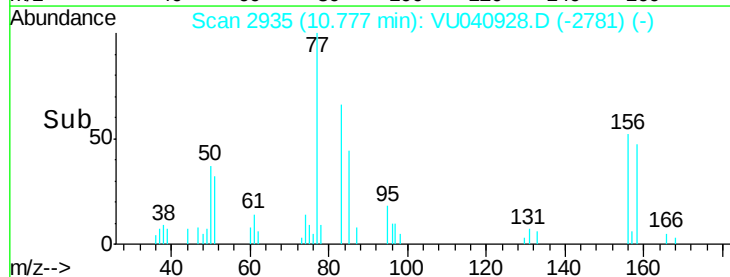
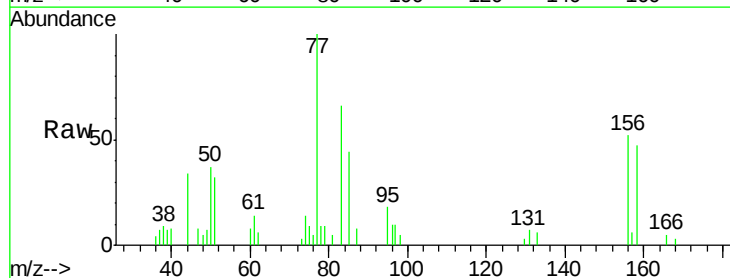
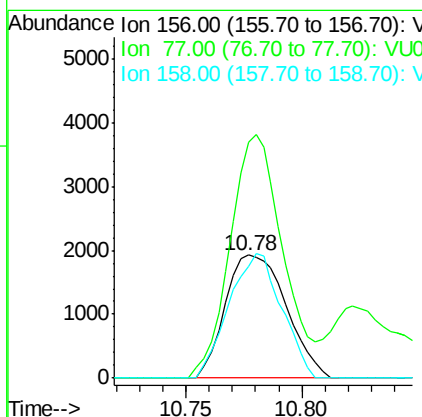
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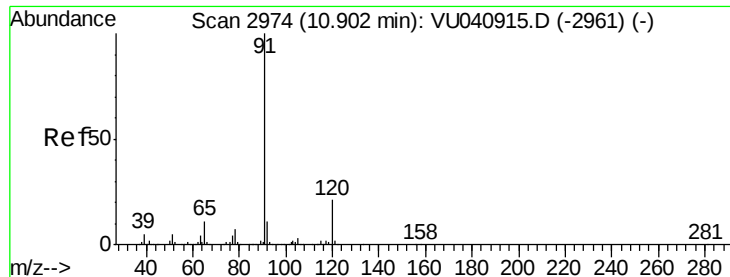
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#72
 Bromobenzene
 Concen: 0.221 ug/l
 RT: 10.78 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	170.8	0.0	370.2
158	158	87.1	0.0	193.2





#73

n-propylbenzene

Concen: 0.366 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:120 Resp: 2825

Ion Ratio Lower Upper

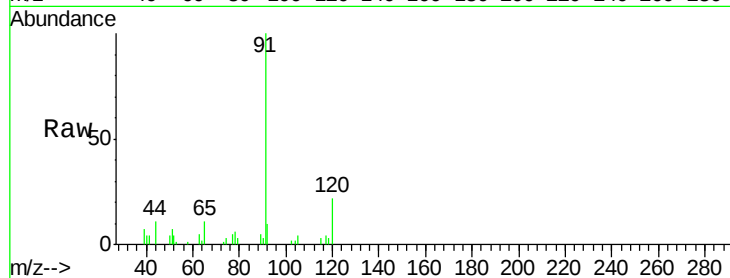
120 100

91 507.3 370.8 556.2

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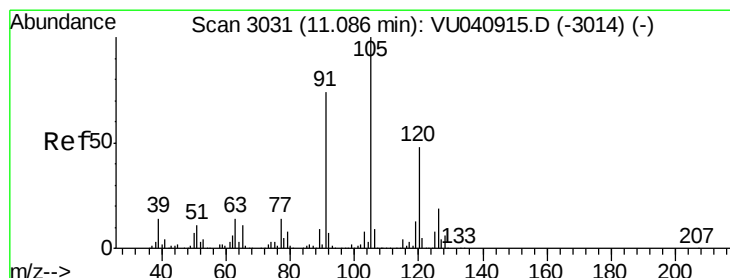
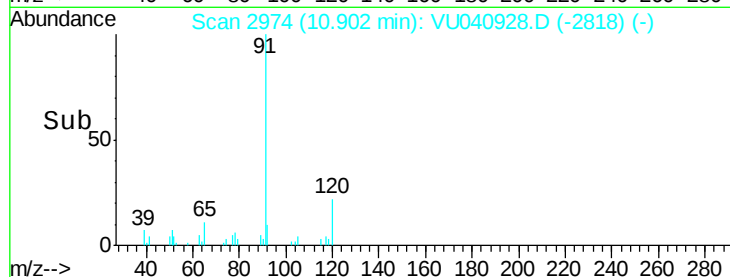
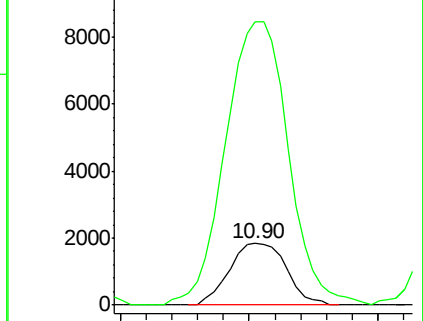
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040928.D

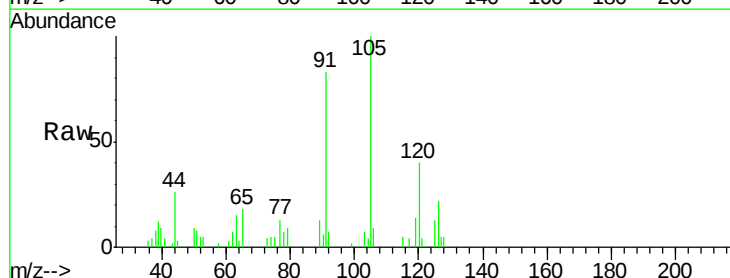
Acq: 23 Oct 2020 11:02

Tgt Ion:105 Resp: 8244

Ion Ratio Lower Upper

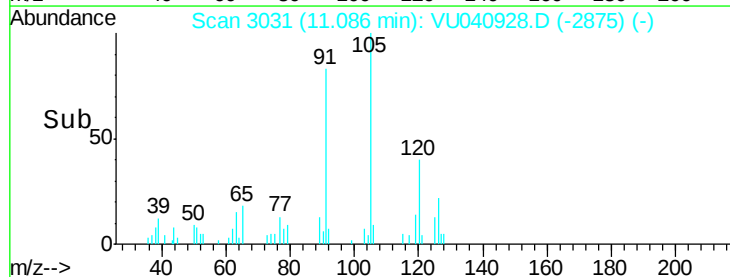
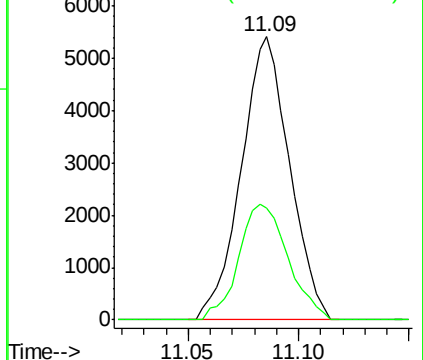
105 100

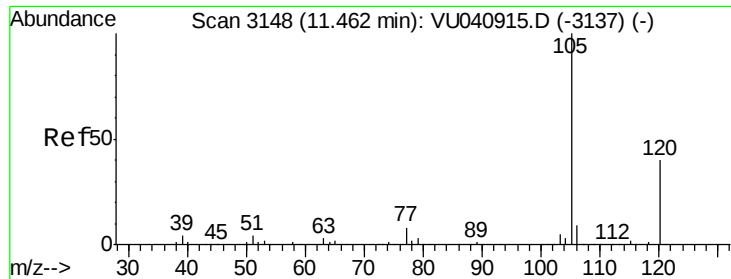
120 41.7 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





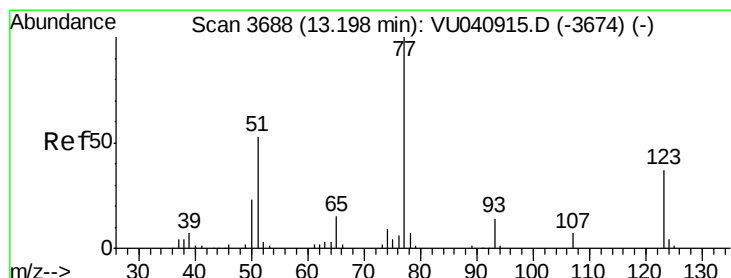
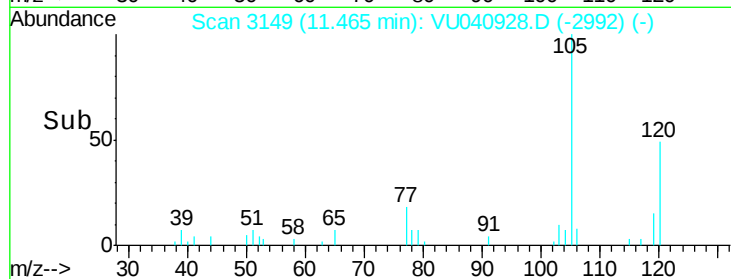
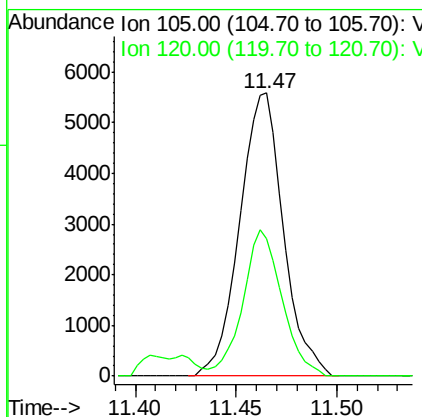
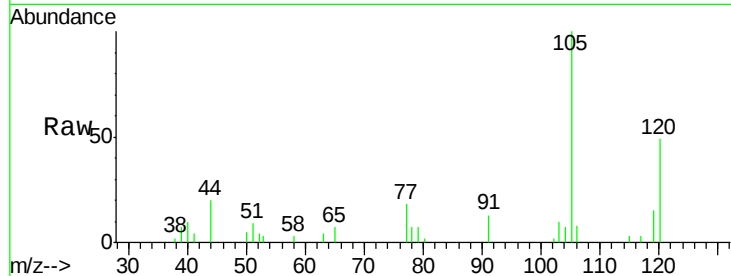
#78
 1,2,4-Trimethylbenzene
 Concen: 0.367 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 8477
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8

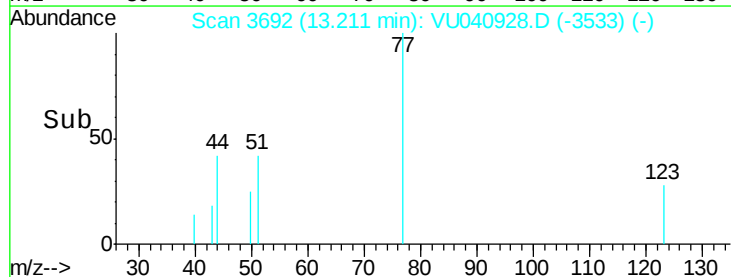
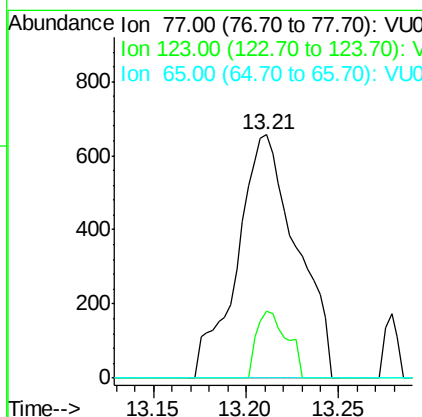
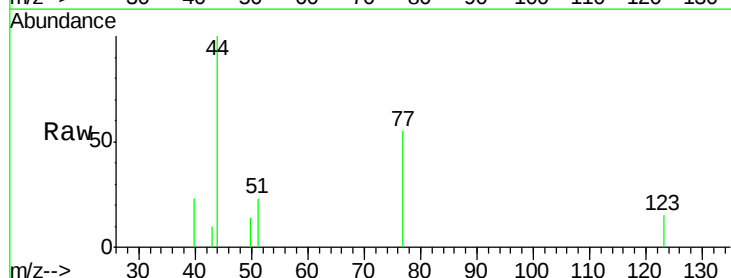
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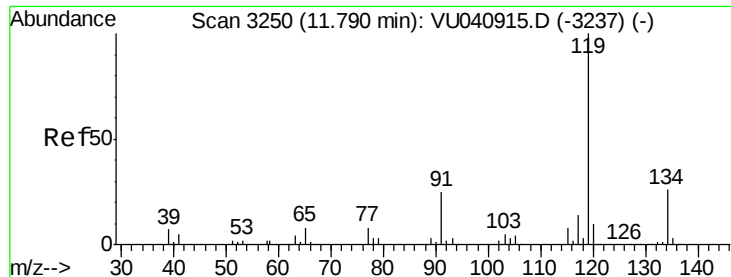
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#80
 Nitrobenzene
 Concen: 1.677 ug/l
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.01 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 77 Resp: 1466
 Ion Ratio Lower Upper
 77 100
 123 14.1 16.8 59.4#
 65 0.0 11.0 14.0#





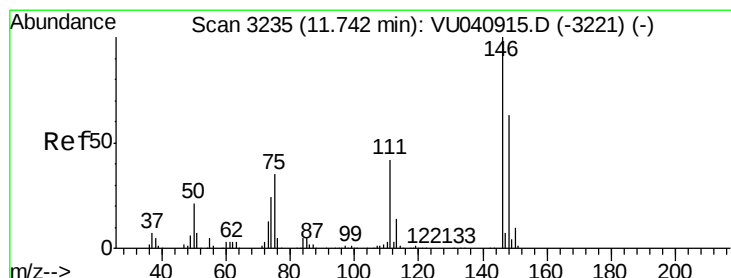
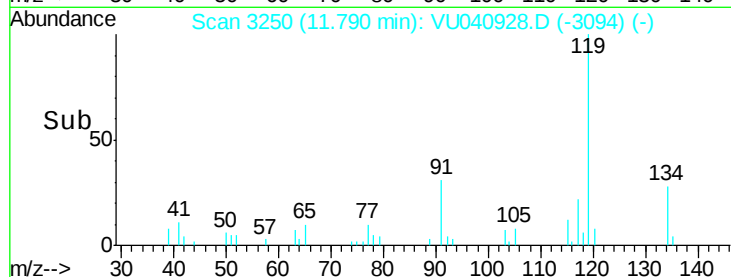
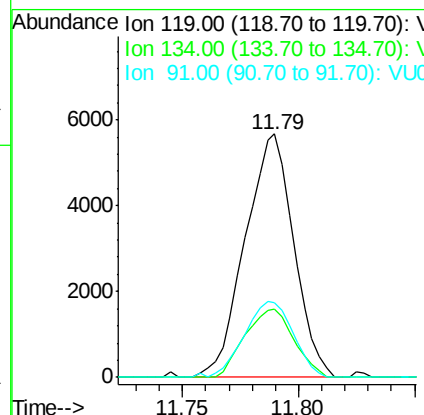
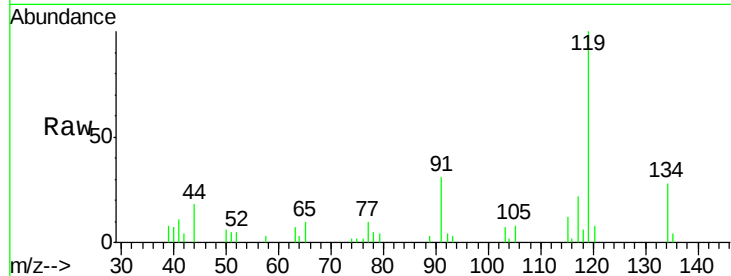
#81
 p-Isopropyltoluene
 Concen: 0.402 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	20.4	30.6
91	31.4	20.4	30.6

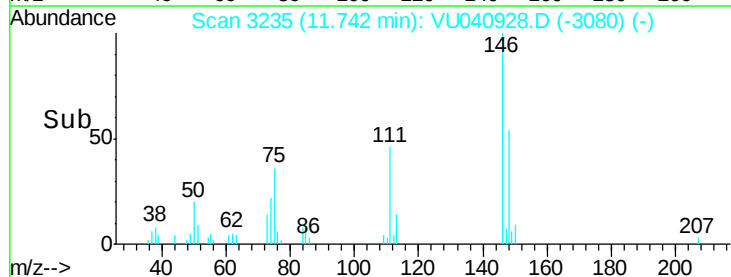
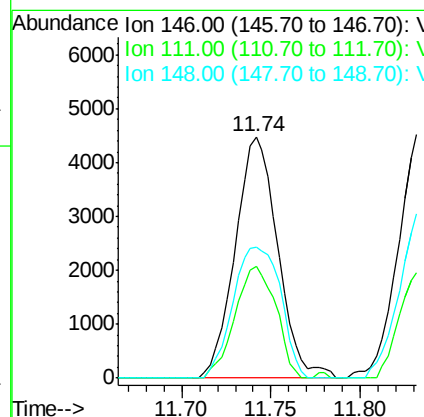
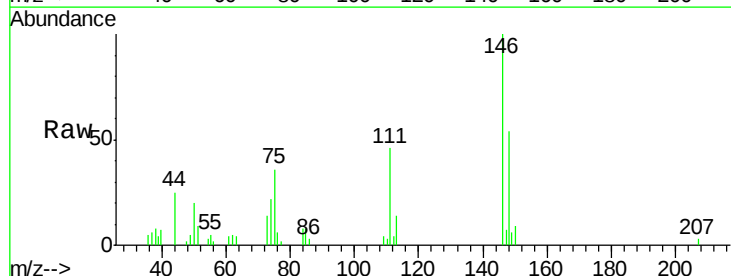
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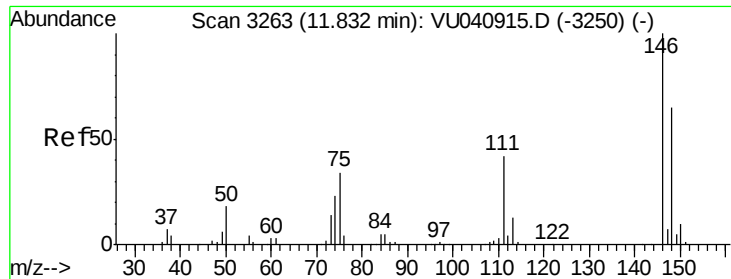
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#82
 1,3-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	33.6	50.4
148	60.9	50.1	75.1





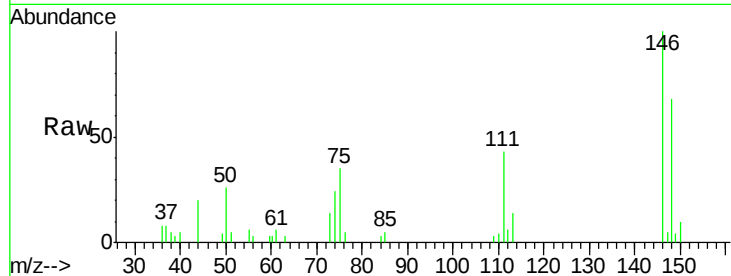
#83
 1,4-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.7	50.5
148	65.3	50.6	75.8

Manual Integrations
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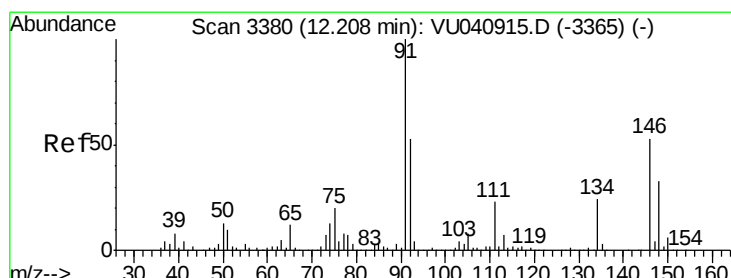
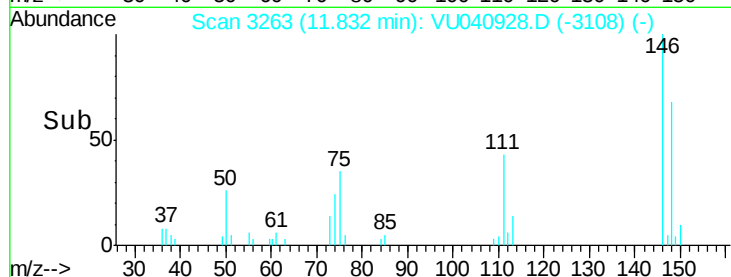
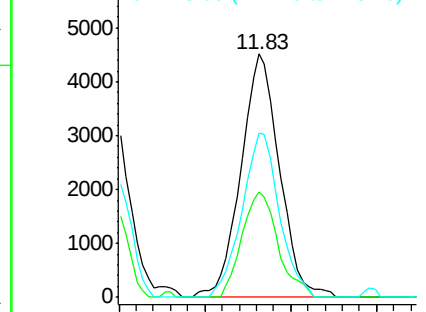


Abundance

Ion 146.00 (145.70 to 146.70): V

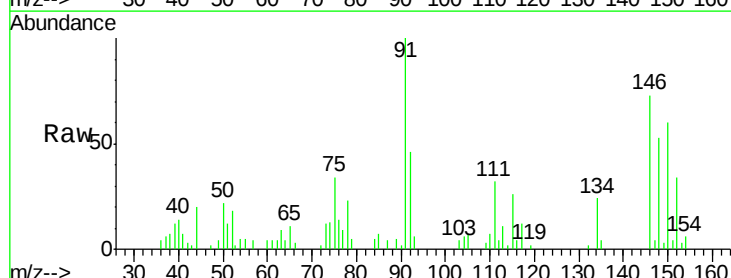
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85
 1,2-Dichlorobenzene
 Concen: 0.209 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.3	66.9
148	69.6	31.5	94.5

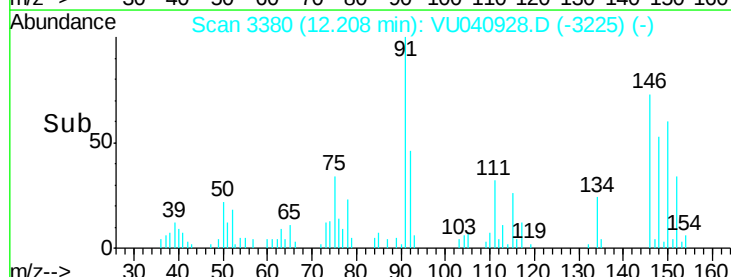
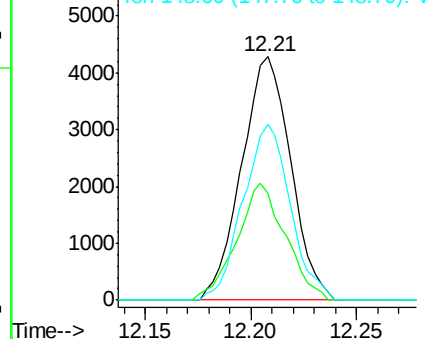


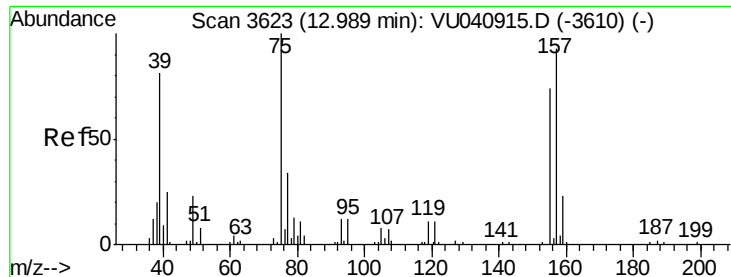
Abundance

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





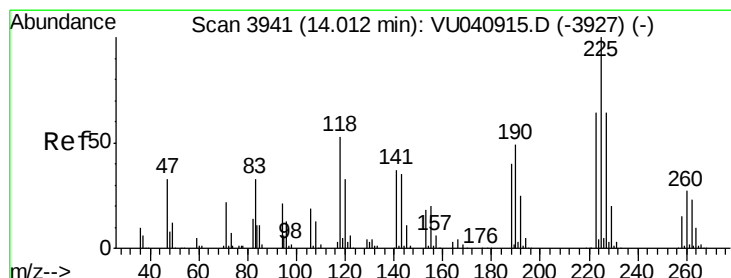
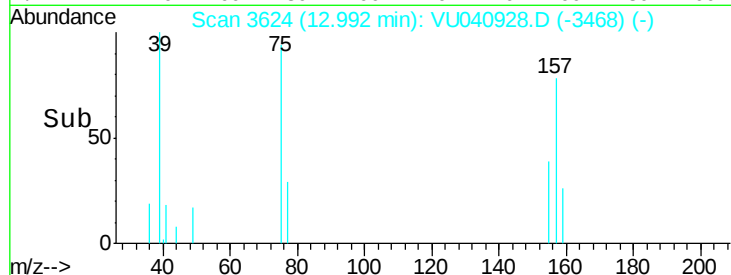
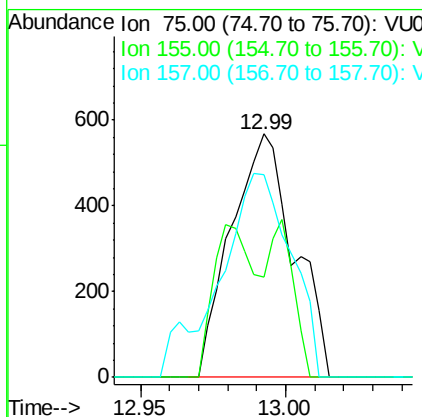
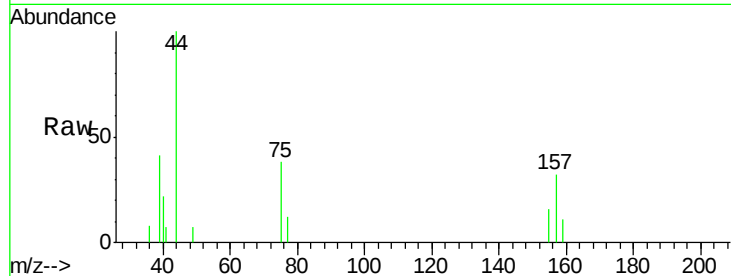
#86
1,2-Dibromo-3-Chloropropane
Concen: 0.248 ug/l
RT: 12.99 min Scan# 3624
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
155	24.0	57.1	85.7#
157	95.2	72.4	108.6

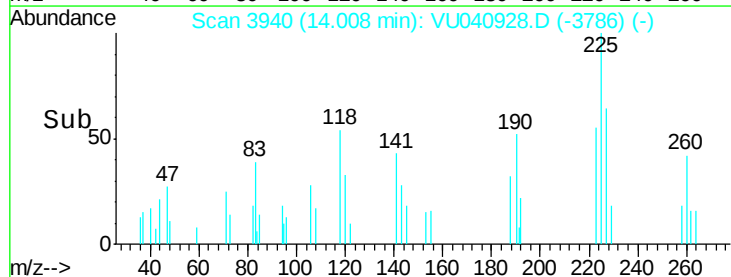
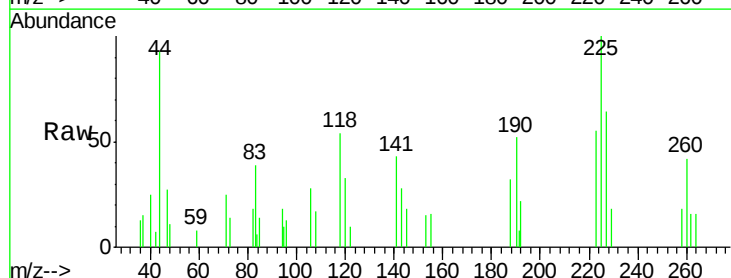
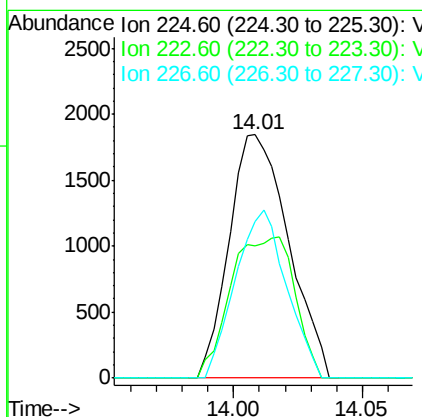
Manual Integrations
APPROVED

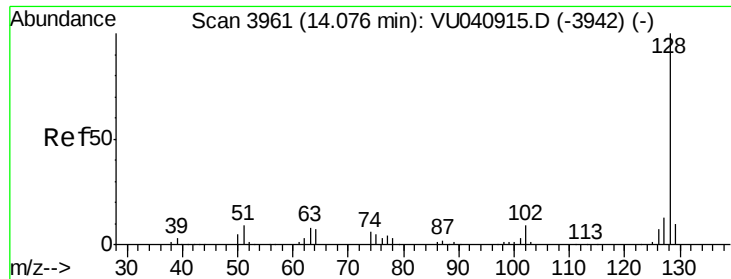
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10/26/2020 4:24:05 PM



#88
Hexachlorobutadiene
Concen: 0.271 ug/l
RT: 14.01 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.9	74.9
227	59.3	51.1	76.7





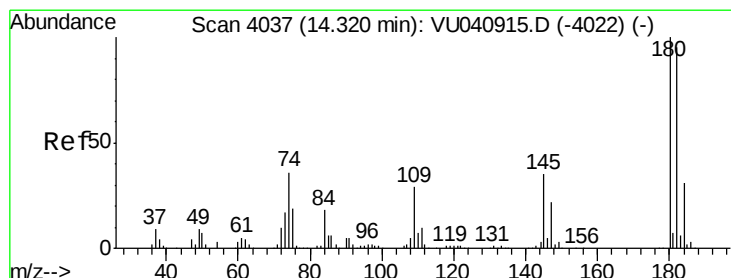
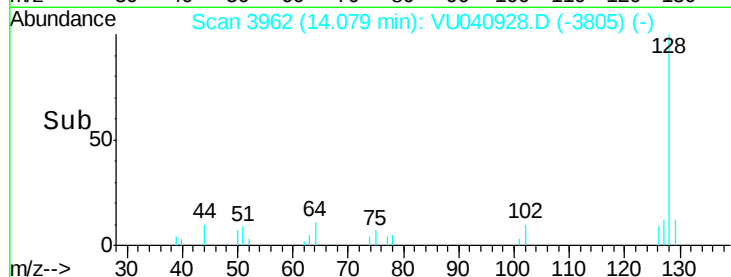
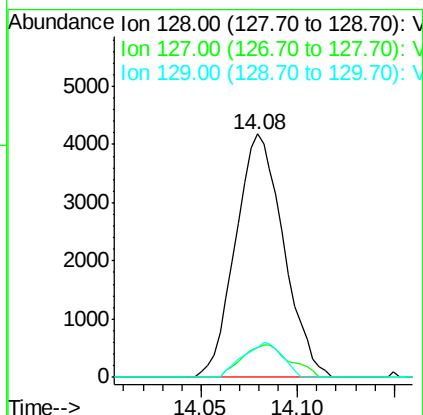
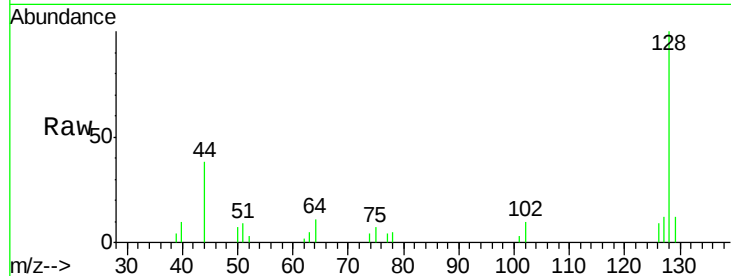
#89
Naphthalene
Concen: 0.854 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.8	8.6	13.0

Manual Integrations
APPROVED

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10/26/2020 4:24:05 PM



#90
1,2,3-Trichlorobenzene
Concen: 0.230 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	76.0	114.0
145	33.2	28.0	42.0

