

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102320\
 Data File : VU040929.D
 Acq On : 23 Oct 2020 11:33
 Operator : SY/MD
 Sample : L4214-09 0.4 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:24:12 PM

Quant Time: Oct 24 06:42:49 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	51905	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	15185	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	16862	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	8787	0.363	ug/l	97
3) Chloromethane	1.53	50	9431	0.374	ug/l	99
4) Vinyl Chloride	1.61	62	8029	0.342	ug/l	99
5) Bromomethane	1.87	94	5722	0.414	ug/l	94
6) Chloroethane	1.94	64	6363	0.443	ug/l	96
7) Trichlorofluoromethane	2.15	101	11053	0.372	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6003	0.364	ug/l	97
9) 1,1-Dichloroethene	2.59	96	5374	0.374	ug/l	93
10) Iodomethane	2.74	142	3882	0.610	ug/l	94
11) Allyl Chloride	2.94	41	11224	0.379	ug/l	94
12) Acrylonitrile	3.34	53	4407	0.870	ug/l #	55
13) Acetone	2.66	43	7960	1.877	ug/l	98
14) Carbon Disulfide	2.81	76	20656	0.382	ug/l	98
15) Methylene Chloride	3.06	84	8164	0.437	ug/l	91
16) trans-1,2-Dichloroethene	3.37	96	5740	0.353	ug/l	93
17) 1,1-Dichloroethane	3.89	63	12385	0.372	ug/l	100
18) 2-Butanone	4.76	43	12958	1.889	ug/l	85
19) Cyclohexane	5.40	56	11330m	0.362	ug/l	
20) Methylcyclohexane	6.77	83	6870	0.293	ug/l	92
21) 2,2-Dichloropropane	4.68	77	11297	0.402	ug/l #	76
22) cis-1,2-Dichloroethene	4.69	96	6286	0.362	ug/l	95
23) Diethyl Ether	2.39	59	5171	0.364	ug/l	97
24) tert-Butyl Alcohol	3.20	59	1563	0.987	ug/l #	72
25) Methyl tert-Butyl Ether	3.38	73	15343m	0.344	ug/l	
26) Bromochloromethane	4.99	128	3109	0.412	ug/l	90
27) Chloroform	5.11	83	12633	0.397	ug/l	94
28) 1,1,1-Trichloroethane	5.33	97	10781	0.393	ug/l	95
29) 1,1-Dichloropropene	5.54	75	8587	0.357	ug/l #	92
30) Carbon Tetrachloride	5.54	117	8436	0.340	ug/l	98
31) Isopropyl Ether	4.02	45	18923	0.368	ug/l	99
32) Ethyl-t-butyl ether	4.54	59	15569	0.344	ug/l	91
33) Tert-Amyl methyl ether	5.96	73	8802	0.261	ug/l	96
34) Propionitrile	4.82	54	3864m	2.051	ug/l	
35) Benzene	5.78	78	22566	0.339	ug/l	94
36) 1,2-Dichloroethane	5.81	62	8896	0.360	ug/l #	88
37) Trichloroethene	6.55	130	4534	0.288	ug/l	82
38) 1,2-Dichloropropane	6.80	63	6204	0.328	ug/l	94
39) Methacrylonitrile	5.01	41	2965	0.336	ug/l #	83
40) Methyl acrylate	4.87	55	5081	0.420	ug/l #	92
41) Tetrahydrofuran	5.11	42	3300	0.726	ug/l #	85
42) 1-Chlorobutane	5.47	56	13390	0.369	ug/l	96

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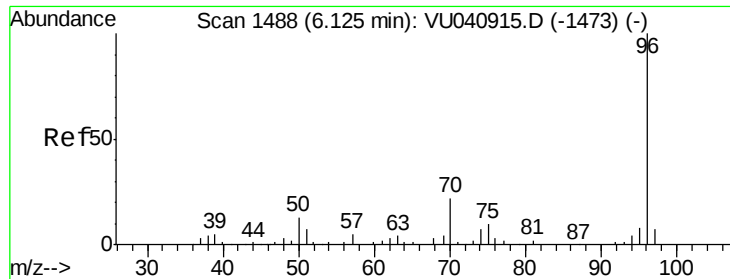
Manual Integrations
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Quant Time: Oct 24 06:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	3129	0.296	ug/l	87
44) Bromodichloromethane	7.12	83	8275	0.337	ug/l	95
45) 4-Methyl-2-Pentanone	7.81	43	18020	1.296	ug/l	97
46) t-1,4-Dichloro-2-butene	10.83	75	3216m	0.585	ug/l	
47) Methyl methacrylate	6.98	69	4377	0.495	ug/l #	91
48) Ethyl methacrylate	8.34	69	3875	0.261	ug/l	97
49) Toluene	7.98	92	9927	0.271	ug/l	98
50) t-1,3-Dichloropropene	8.21	75	5584	0.263	ug/l	90
51) cis-1,3-Dichloropropene	7.62	75	7159	0.307	ug/l	91
52) 1,1,2-Trichloroethane	8.41	97	4464	0.333	ug/l #	92
53) 1,3-Dichloropropane	8.58	76	7261	0.302	ug/l #	87
54) 2-Hexanone	8.70	43	13007	1.339	ug/l	91
55) Dibromochloromethane	8.82	129	4642	0.289	ug/l	95
56) 1,2-Dibromoethane	8.93	107	4099	0.330	ug/l	97
58) Tetrachloroethene	8.56	164	4608	0.313	ug/l	96
59) Chlorobenzene	9.45	112	11461	0.296	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.54	131	4951	0.325	ug/l	90
61) Pentachloroethane	11.42	117	3921	0.319	ug/l	96
62) Hexachloroethane	12.47	117	4030	0.322	ug/l	94
63) Ethyl Benzene	9.57	91	15343	0.239	ug/l	100
64) m/p-Xylenes	9.70	106	10713	0.802	ug/l	99
65) o-Xylene	10.10	106	5326	0.236	ug/l	93
66) Styrene	10.11	104	8903	0.448	ug/l	99
67) Bromoform	10.29	173	2632	0.303	ug/l #	83
69) Isopropylbenzene	10.48	105	13097	0.218	ug/l	100
70) 1,1,1,2-Tetrachloroethane	10.78	83	6072	0.333	ug/l	93
71) 1,2,3-Trichloropropane	10.83	75	4628m	0.333	ug/l	
72) Bromobenzene	10.78	156	4126	0.263	ug/l	96
73) n-propylbenzene	10.90	120	3599	0.406	ug/l	86
74) 2-Chlorotoluene	10.98	126	3477	0.223	ug/l	90
75) 1,3,5-Trimethylbenzene	11.09	105	11098	0.409	ug/l	96
76) 4-Chlorotoluene	11.09	126	3347	0.207	ug/l	93
77) tert-Butylbenzene	11.41	119	12295	0.242	ug/l	90
78) 1,2,4-Trimethylbenzene	11.47	105	10485	0.399	ug/l	92
80) Nitrobenzene	13.20	77	1624	1.885	ug/l #	61
81) p-Isopropyltoluene	11.79	119	11749	0.453	ug/l	96
82) 1,3-Dichlorobenzene	11.74	146	9295	0.272	ug/l	95
83) 1,4-Dichlorobenzene	11.83	146	8242	0.238	ug/l	94
84) n-Butylbenzene	12.20	91	13407	0.227	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	8344	0.255	ug/l	89
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1086	0.319	ug/l #	59
87) 1,2,4-Trichlorobenzene	13.83	180	5453	0.284	ug/l	96
88) Hexachlorobutadiene	14.01	225	3742	0.348	ug/l	95
89) Naphthalene	14.08	128	8504	0.881	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.32	180	4878	0.261	ug/l	94

(#) = 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: VU040929.D

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Instrument :

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ClientSampleId :

MDL-WATER-03-QT4-2020

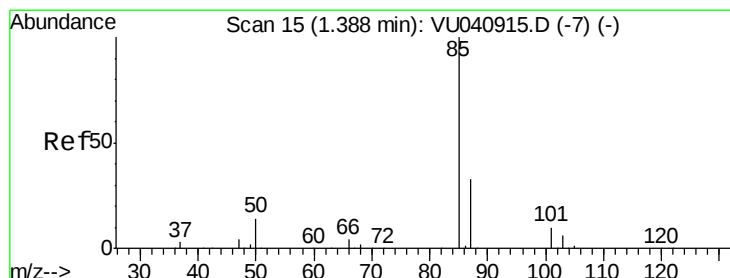
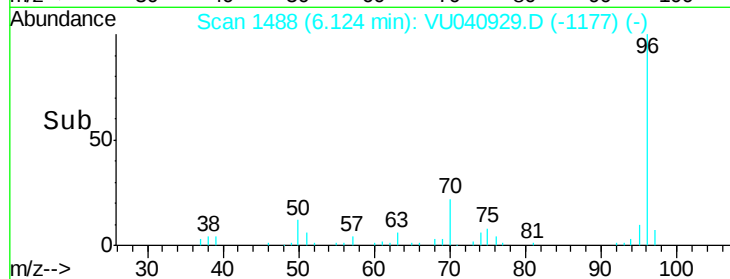
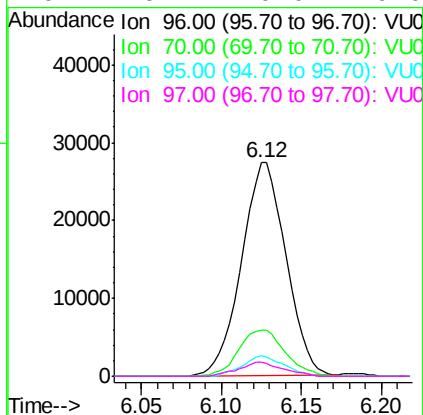
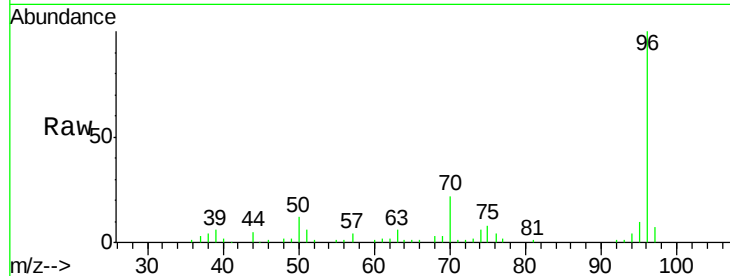
Tot Ion: 96 Resp: 51905

Ion	Ratio	Lower	Upper
96	100		
70	22.8	16.3	24.5
95	8.8	7.3	10.9
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.363 ug/l

RT: 1.39 min Scan# 16

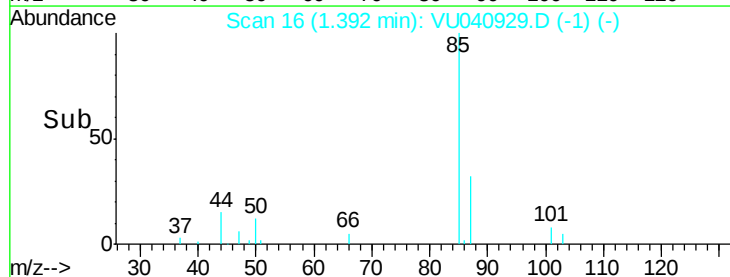
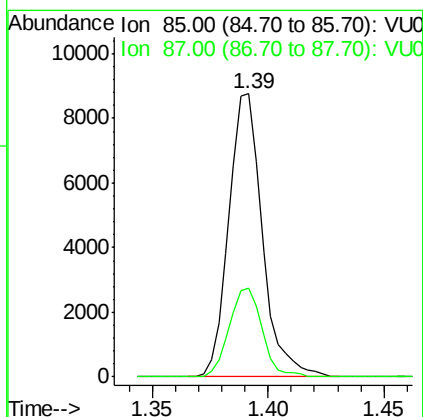
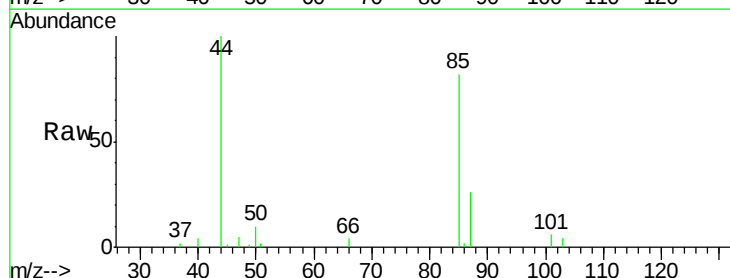
Delta R.T. 0.00 min

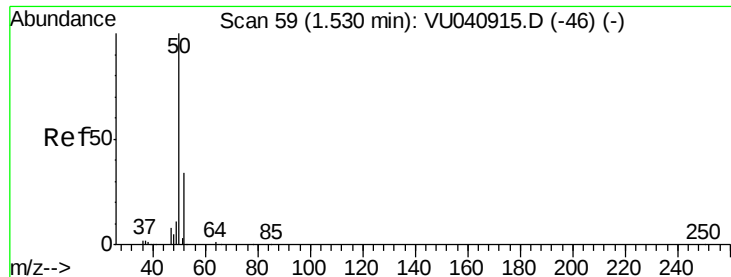
Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Tgt Ion: 85 Resp: 8787

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.5	49.5





#3

Chloromethane

Concen: 0.374 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 9431

Ion Ratio Lower Upper

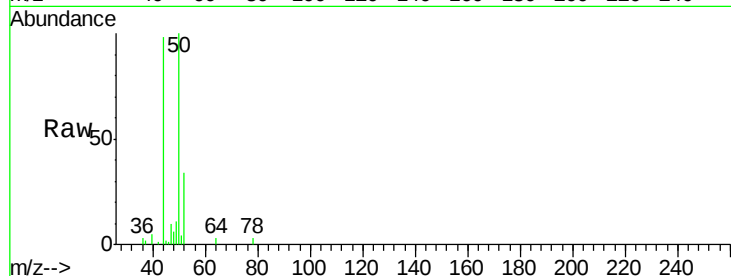
50 100

52 34.4 26.9 40.3

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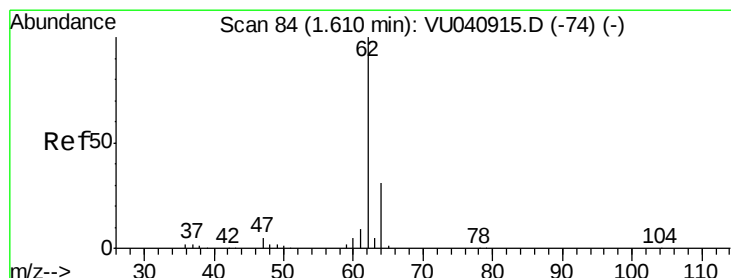
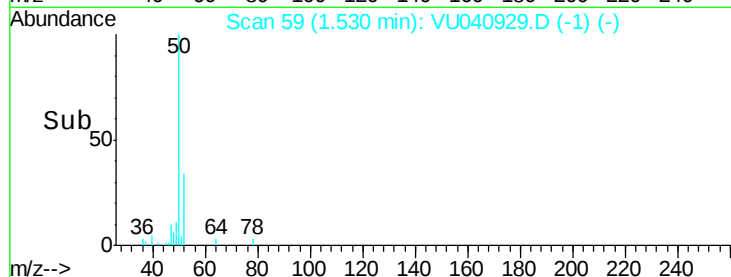
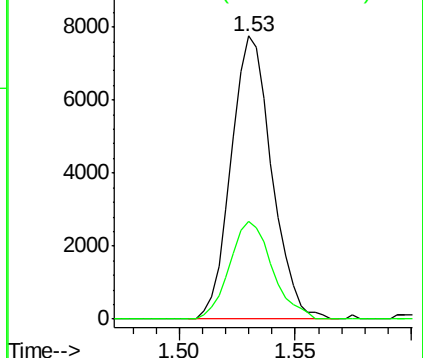
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.342 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040929.D

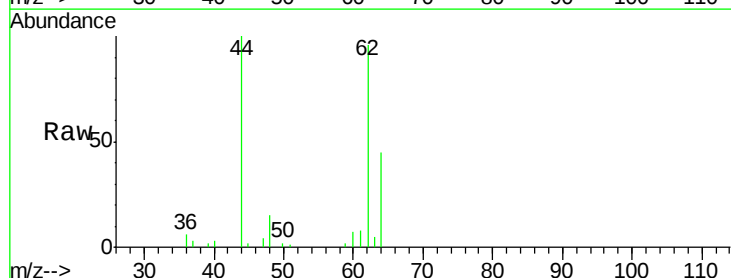
Acq: 23 Oct 2020 11:33

Tgt Ion: 62 Resp: 8029

Ion Ratio Lower Upper

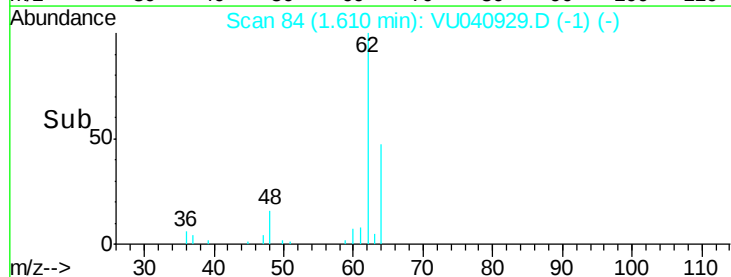
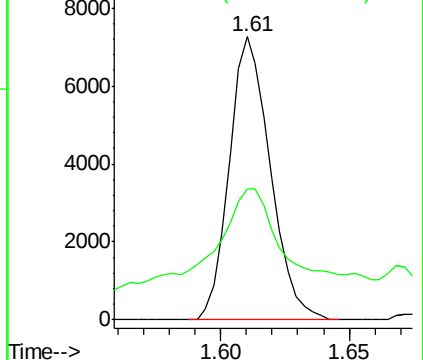
62 100

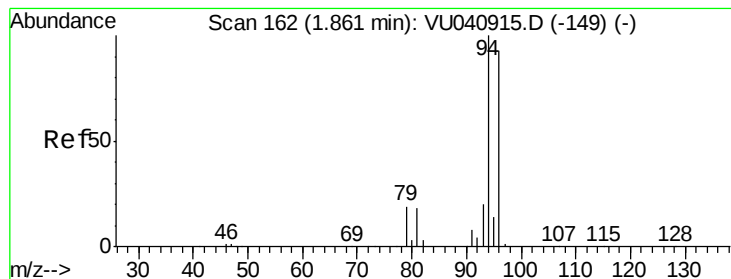
64 30.5 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.414 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 5722

Ion Ratio Lower Upper

94 100

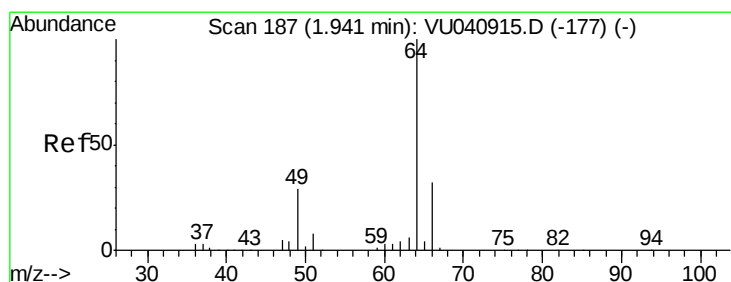
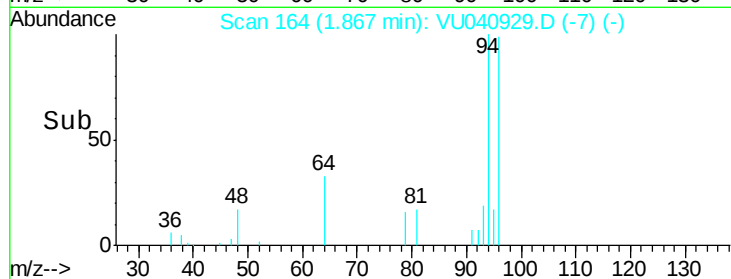
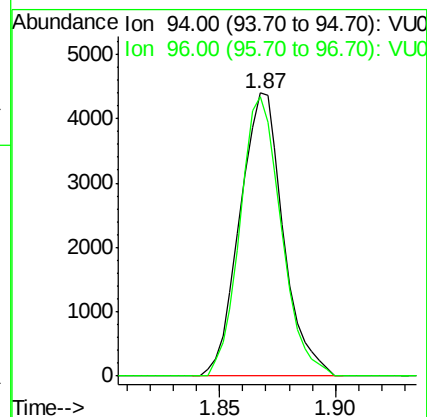
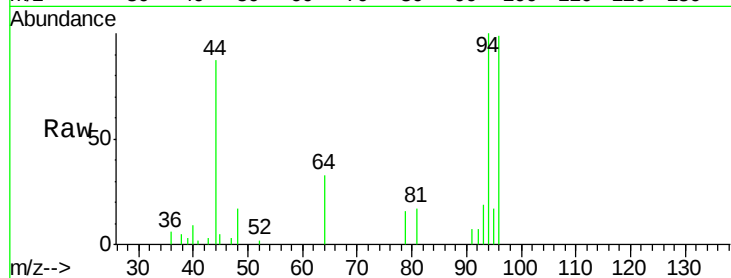
96 98.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 0.443 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040929.D

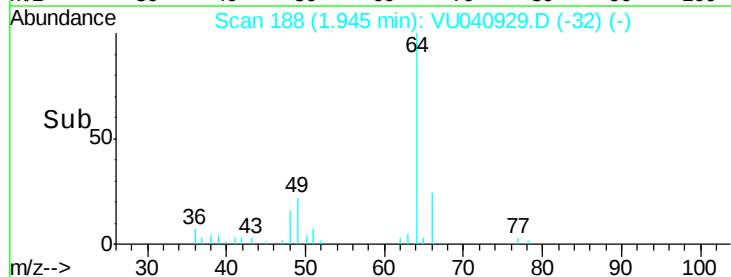
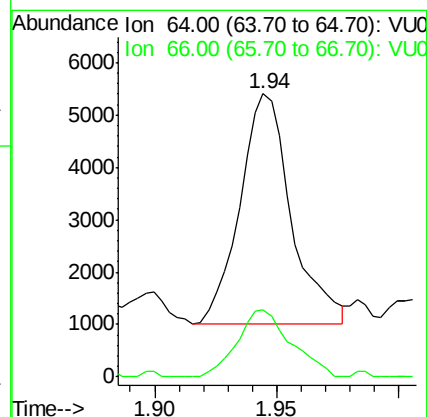
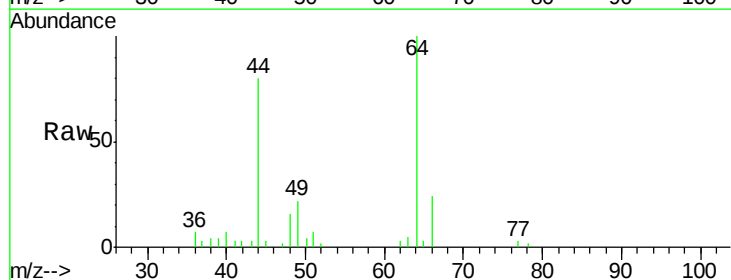
Acq: 23 Oct 2020 11:33

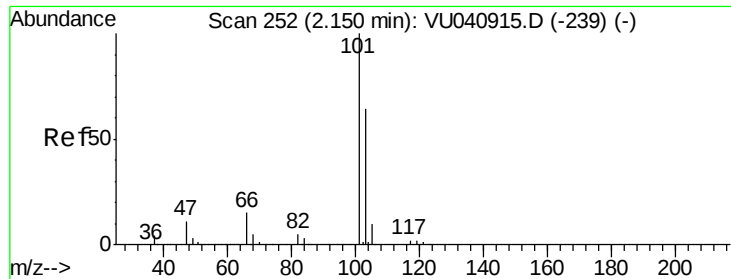
Tgt Ion: 64 Resp: 6363

Ion Ratio Lower Upper

64 100

66 29.4 25.4 38.2





#7

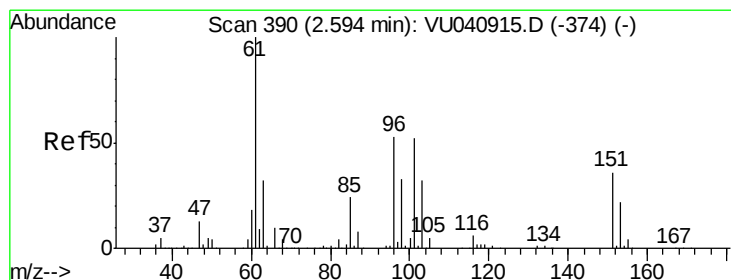
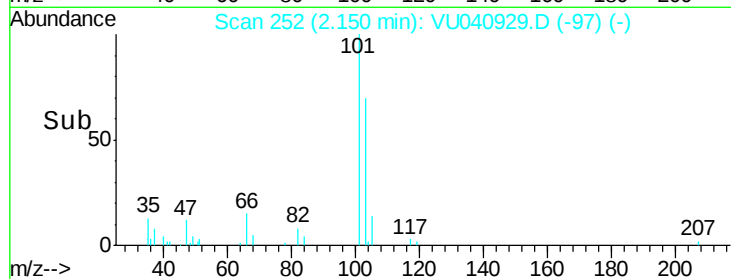
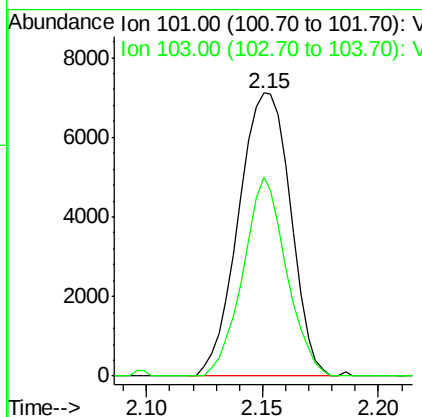
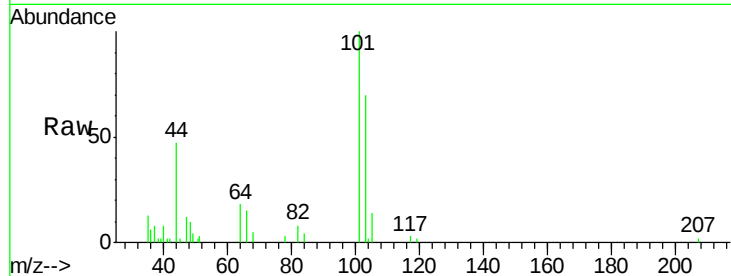
Trichlorofluoromethane
Concen: 0.372 ug/l
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	11053		
103	70.1	51.5	77.3	

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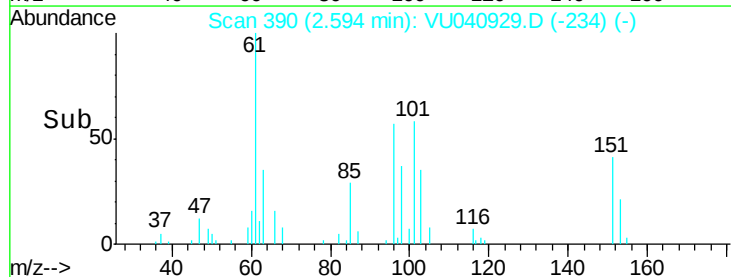
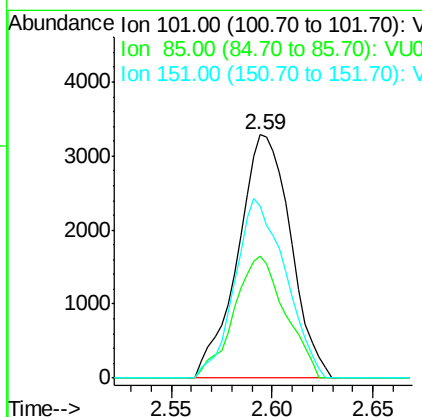
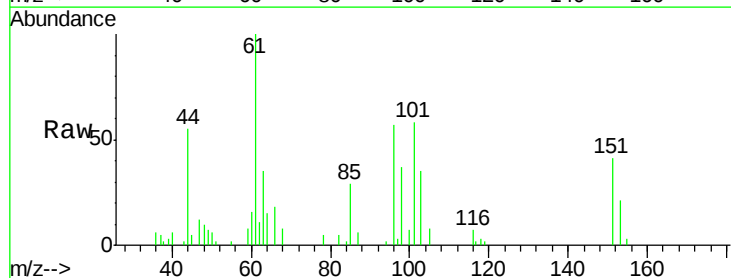
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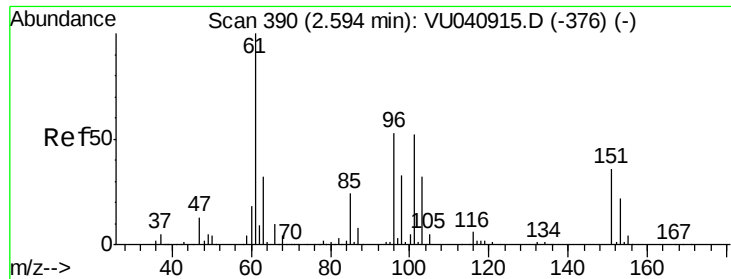


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.364 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	6003		
85	48.4	36.2	54.2	
151	70.7	55.1	82.7	





#9

1,1-Dichloroethene

Concen: 0.374 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

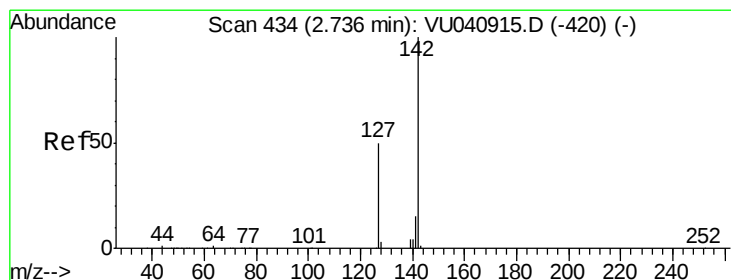
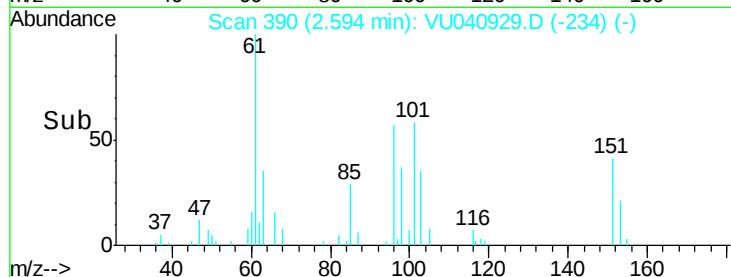
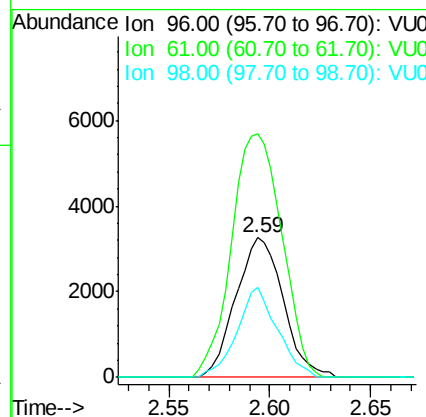
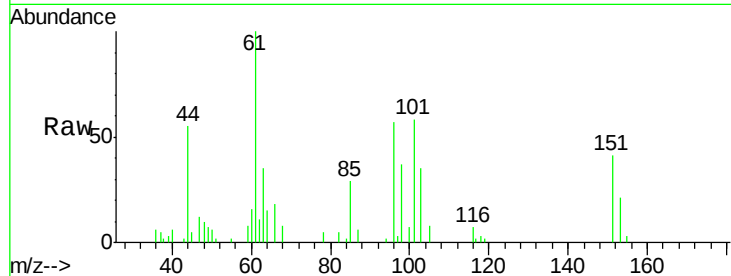
MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	5374
Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	561.9
98	64.3	0.0	125.0

Manual Integrations
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#10

Iodomethane

Concen: 0.610 ug/l

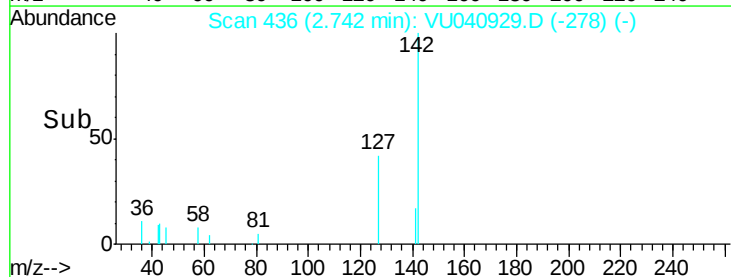
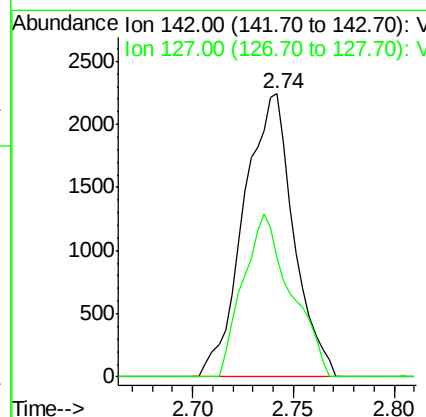
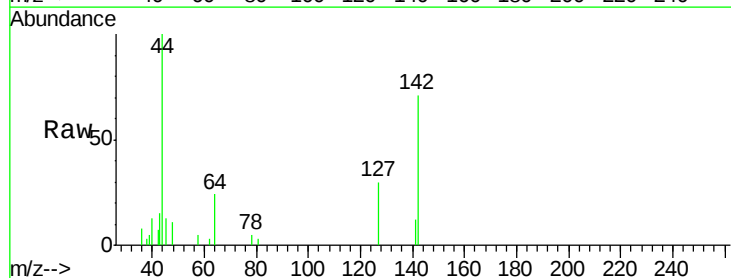
RT: 2.74 min Scan# 436

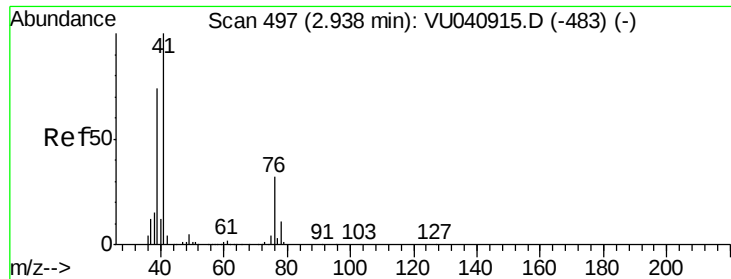
Delta R.T. 0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	142	Resp:	3882
Ion	Ratio	Lower	Upper
142	100		
127	55.0	40.6	60.8





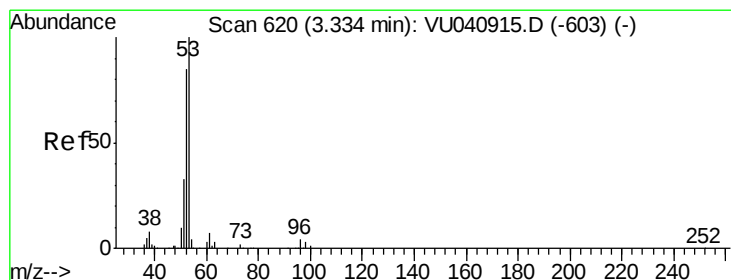
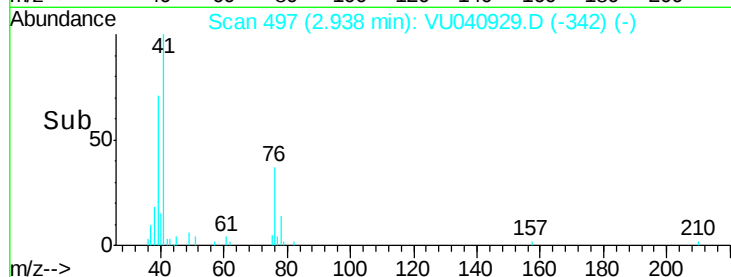
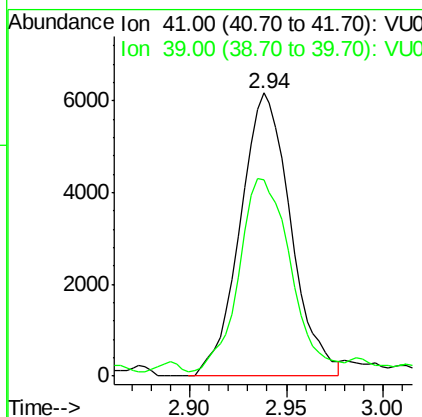
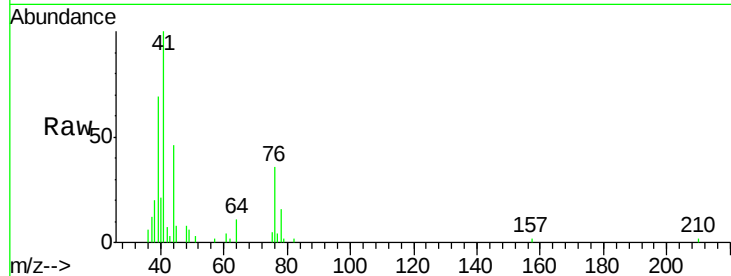
#11
Allvl Chloride
Concen: 0.379 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	41	Resp	11224
Ion Ratio	100	Lower	Upper
39	69.0	59.0	88.4

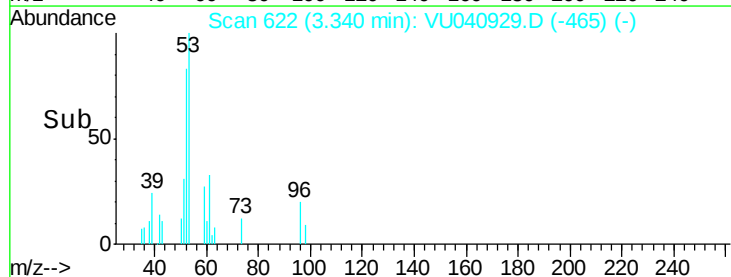
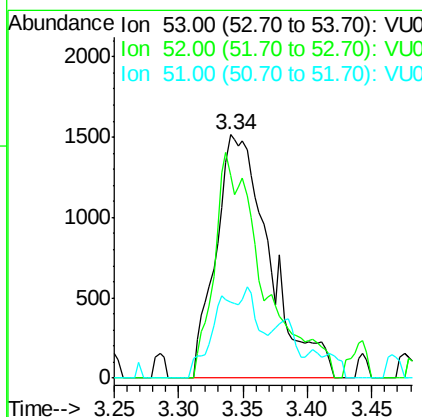
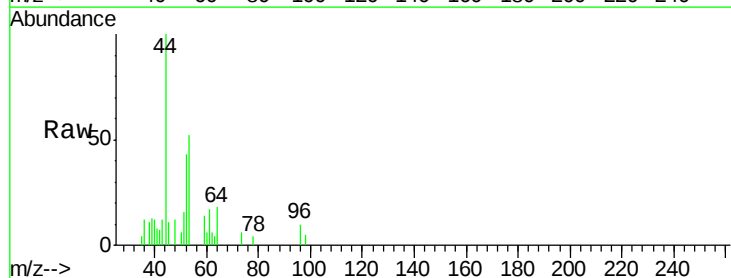
Manual Integrations
APPROVED

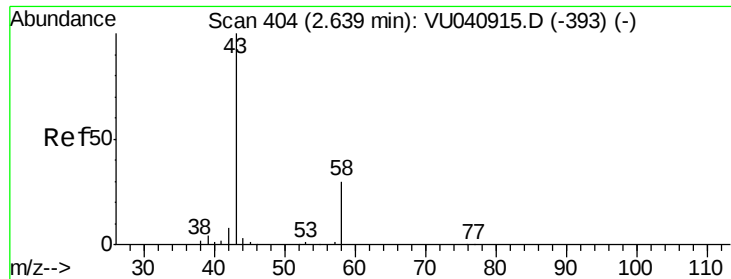
MMDadoda
10/26/2020 4:24:12 PM



#12
Acrylonitrile
Concen: 0.870 ug/l
RT: 3.34 min Scan# 622
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	53	Resp	4407
Ion Ratio	100	Lower	Upper
52	34.6	63.1	94.7#
51	17.3	30.6	46.0#





#13

Acetone

Concen: 1.877 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.02 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 7960

Ion Ratio Lower Upper

43 100

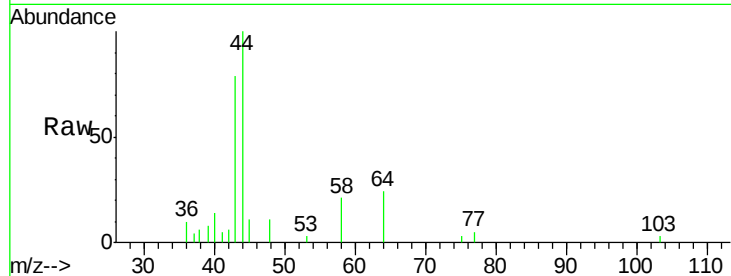
58 28.2 23.6 35.4

Manual Integrations

APPROVED

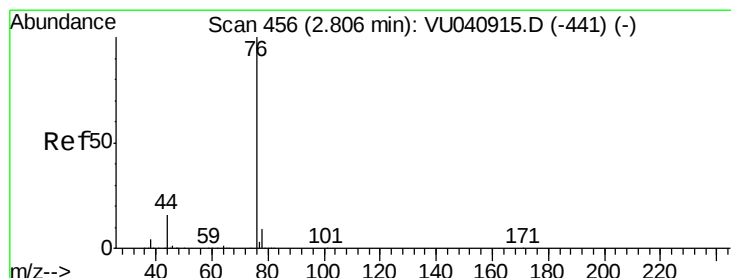
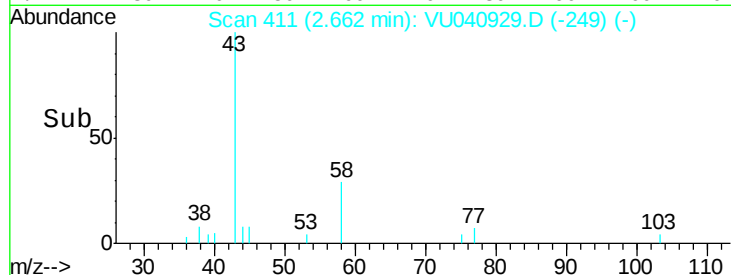
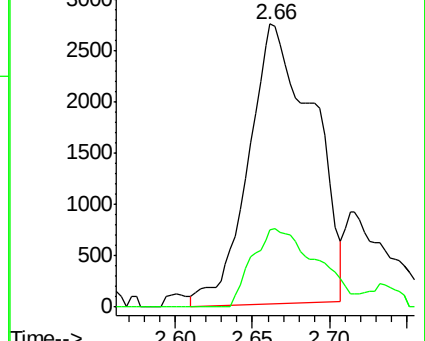
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU040929.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VU040929.D (-249) (-)



#14

Carbon Disulfide

Concen: 0.382 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040929.D

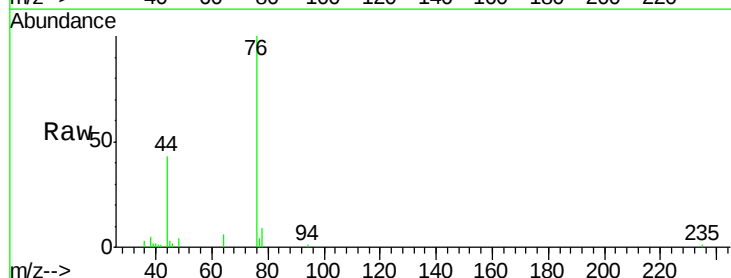
Acq: 23 Oct 2020 11:33

Tgt Ion: 76 Resp: 20656

Ion Ratio Lower Upper

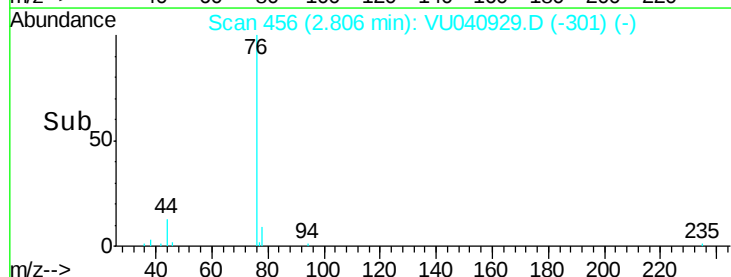
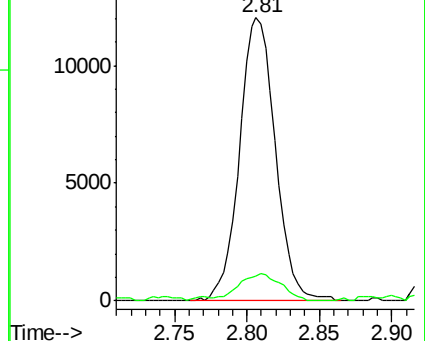
76 100

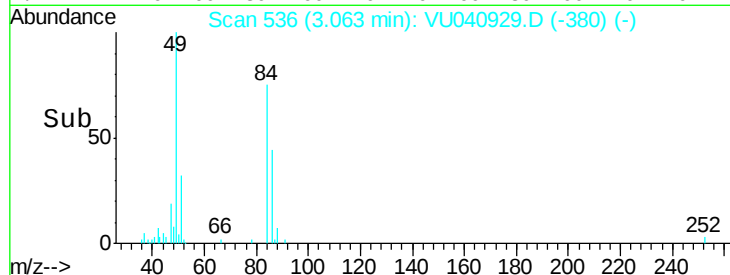
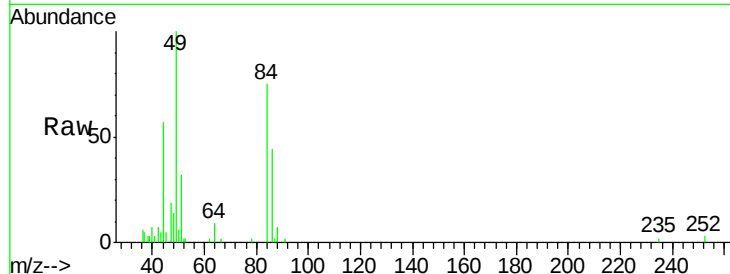
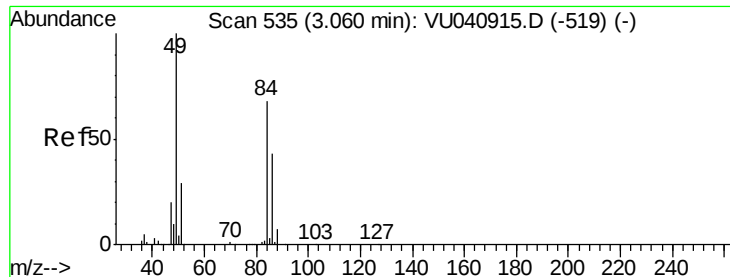
78 8.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040929.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU040929.D (-301) (-)





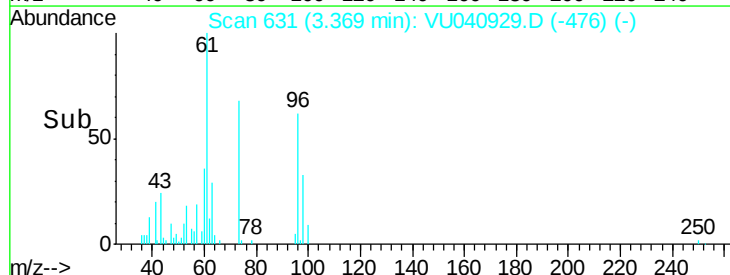
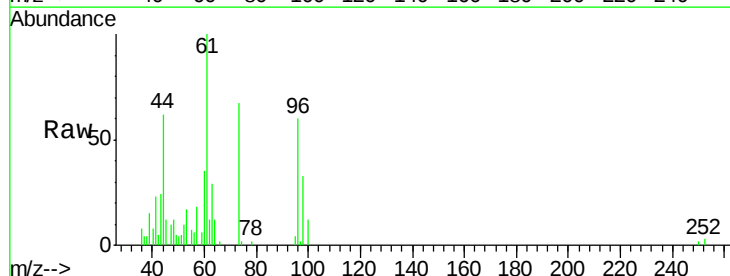
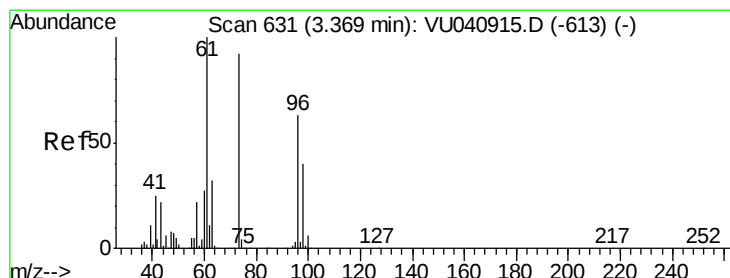
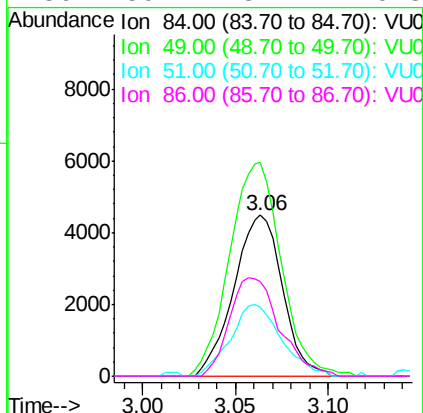
#15
Methvlene Chloride
Concen: 0.437 ug/l
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tot Ion:	84	Resp:	8164
Ion	Ratio	Lower	Upper
84	100		
49	132.7	118.2	177.4
51	42.9	0.0	86.8
86	59.1	51.2	76.8

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

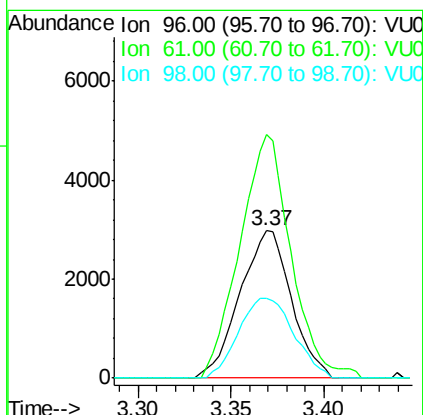
Manual Integrations
APPROVED

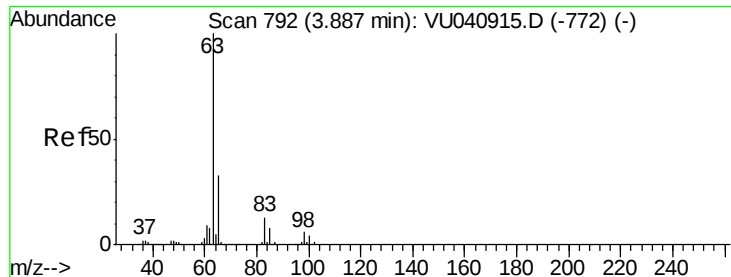
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.353 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:	96	Resp:	5740
Ion	Ratio	Lower	Upper
96	100		
61	165.3	127.0	190.4
98	54.1	51.2	76.8





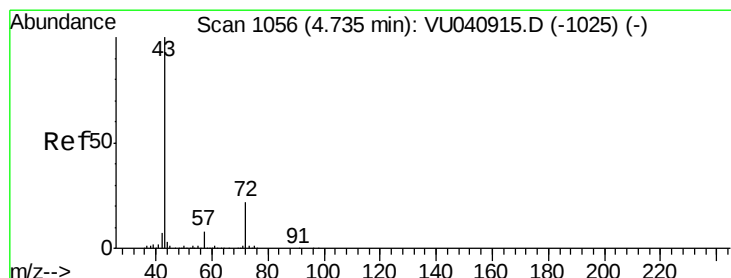
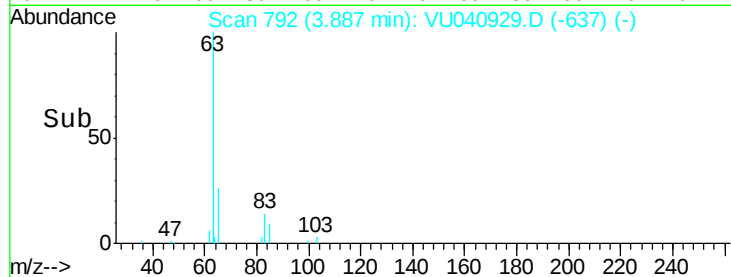
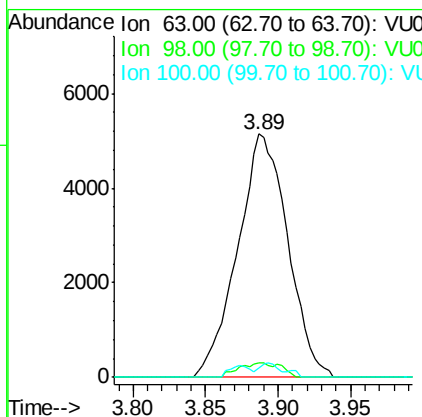
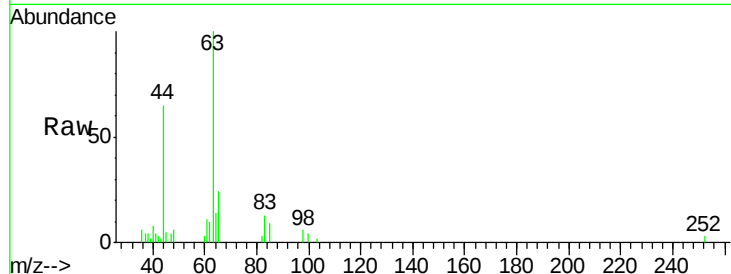
#17
 1,1-Dichloroethane
 Concen: 0.372 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.8	1.8	5.5

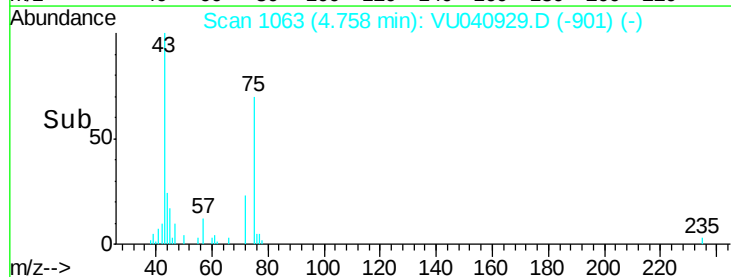
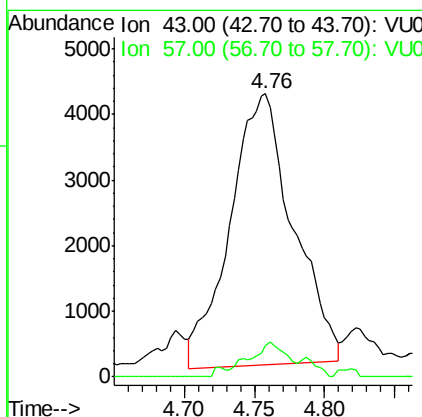
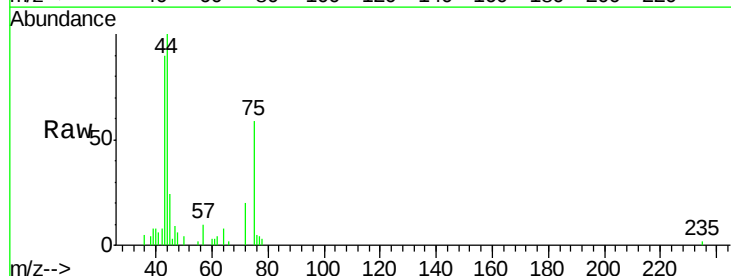
Manual Integrations
 APPROVED

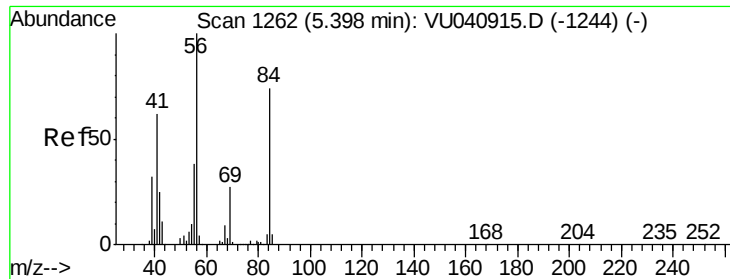
MMDadoda
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#18
 2-Butanone
 Concen: 1.889 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
57	12.7	0.0	15.2





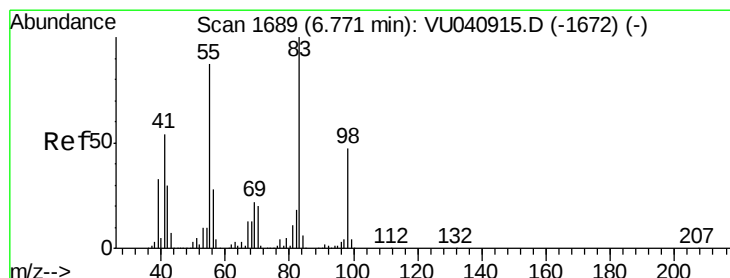
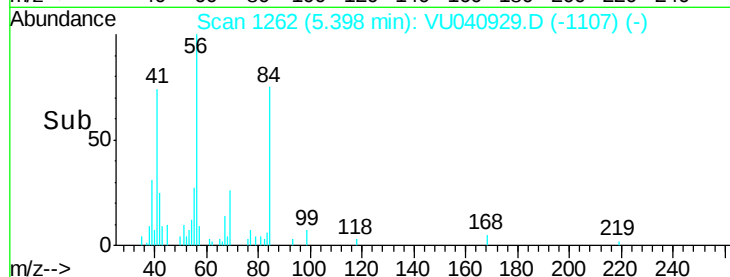
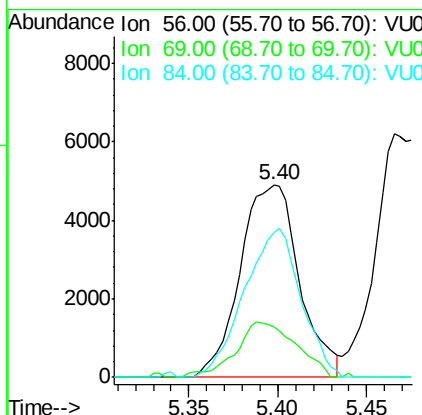
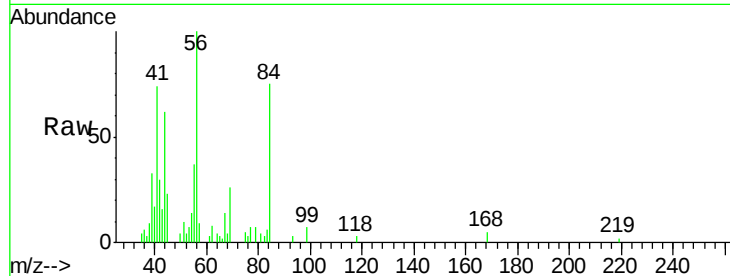
#19
Cyclohexane
Concen: 0.362 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.2	33.2
84	73.8	60.1	90.1

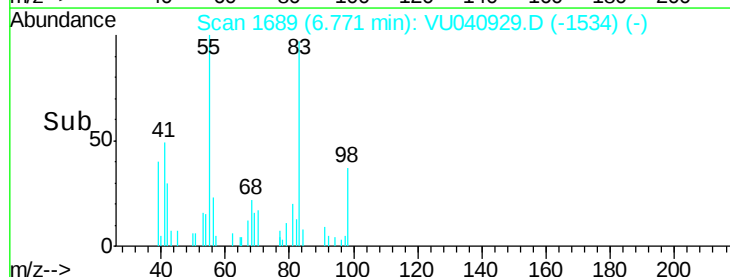
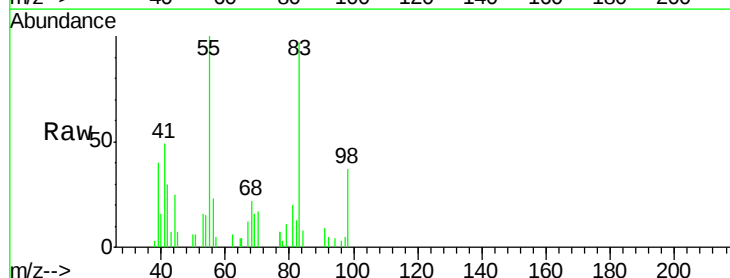
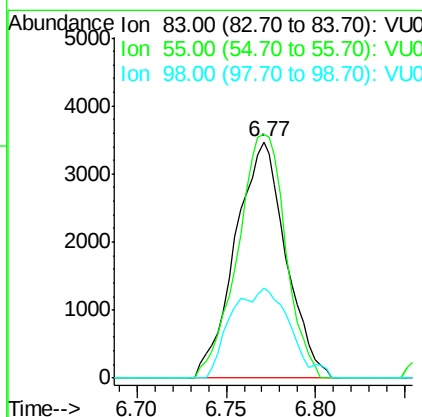
Manual Integrations
APPROVED

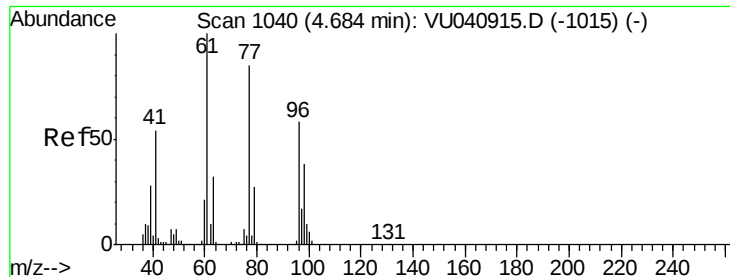
MMDadoda
10/26/2020 4:24:12 PM



#20
Methylcyclohexane
Concen: 0.293 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	97.9	71.0	106.4
98	44.2	38.1	57.1





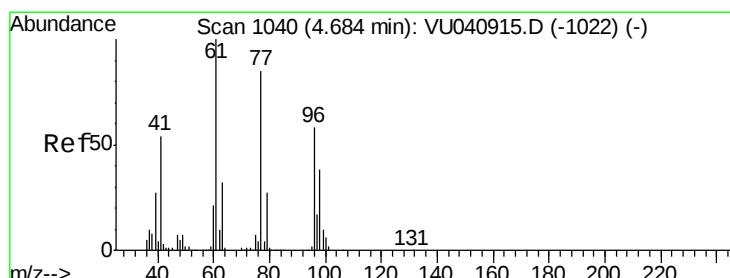
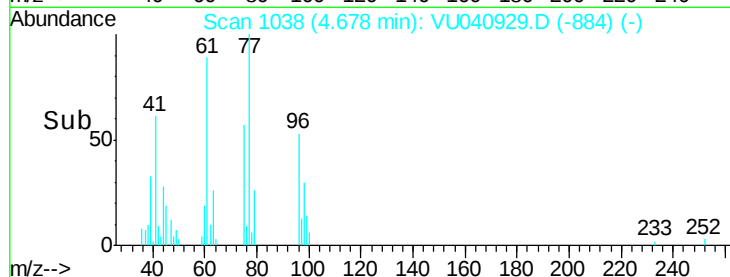
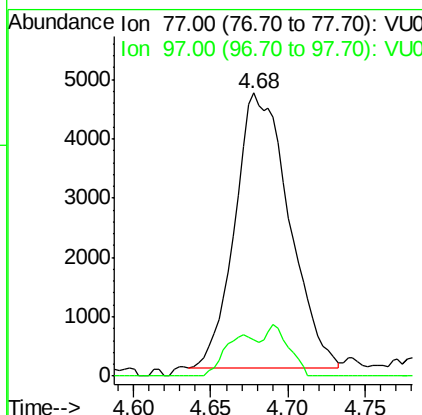
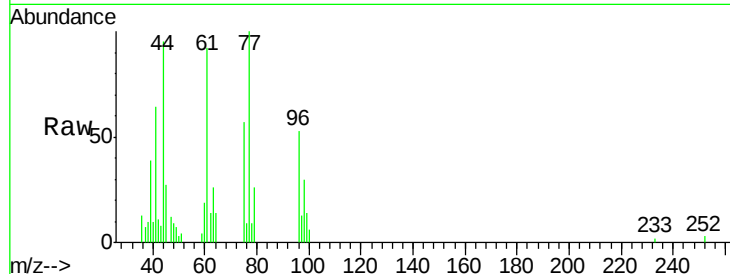
#21
 2,2-Dichloropropane
 Concen: 0.402 ug/l
 RT: 4.68 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion: 77 Resp: 11297
 Ion Ratio Lower Upper
 77 100
 97 9.1 16.0 24.0#

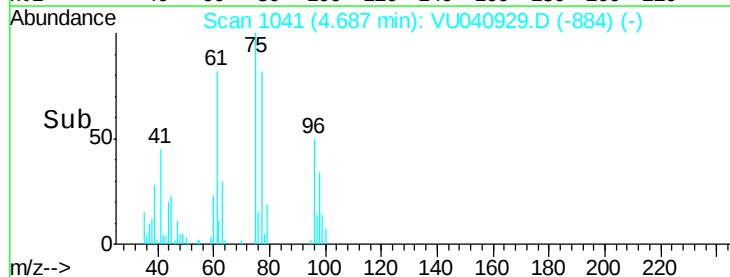
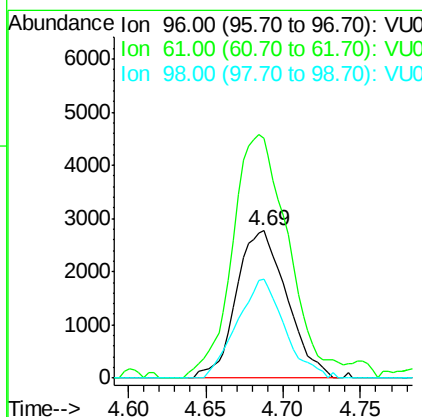
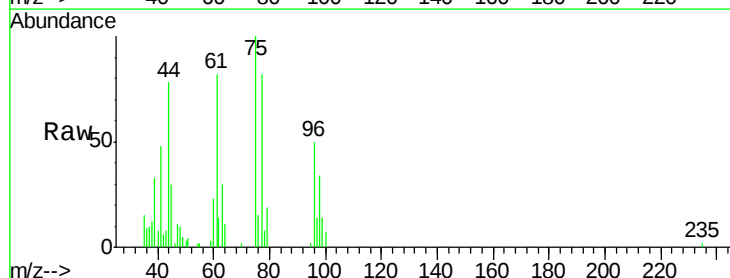
Manual Integrations
 APPROVED

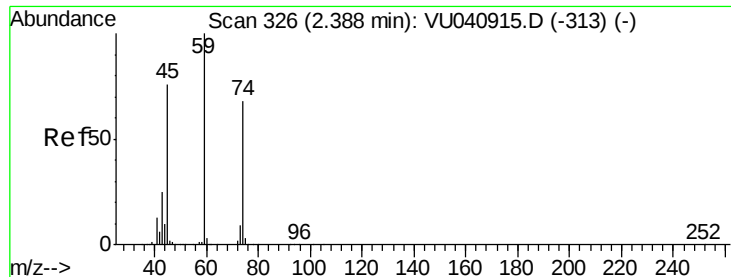
MMDadoda
 10/26/2020 4:24:12 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.362 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 96 Resp: 6286
 Ion Ratio Lower Upper
 96 100
 61 182.6 0.0 434.5
 98 63.0 32.6 97.8





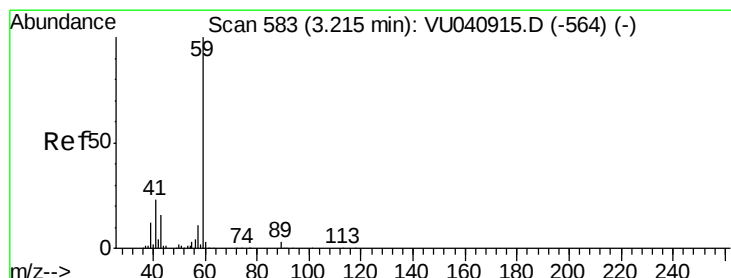
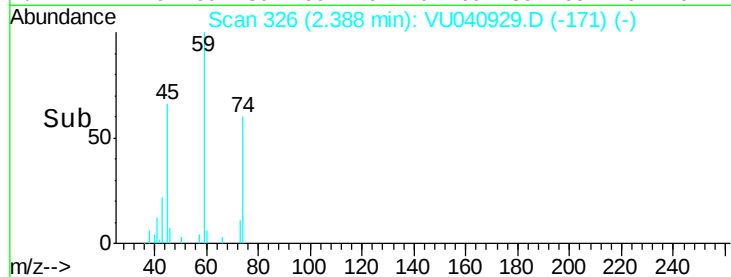
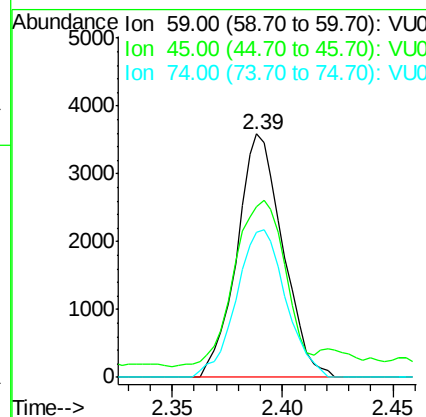
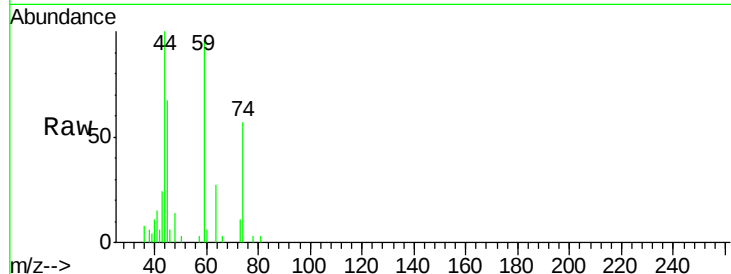
#23
Diethyl Ether
Concen: 0.364 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
59	100		
45	75.0	61.4	92.2
74	65.5	55.0	82.4

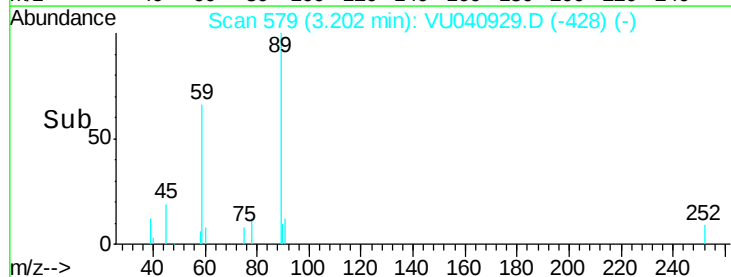
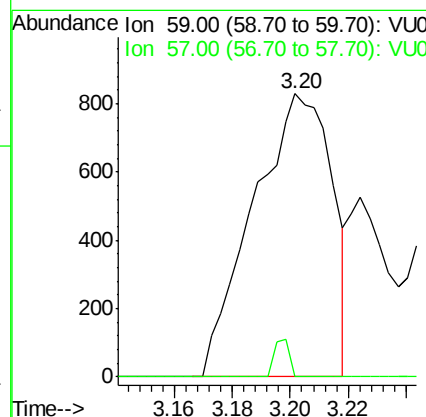
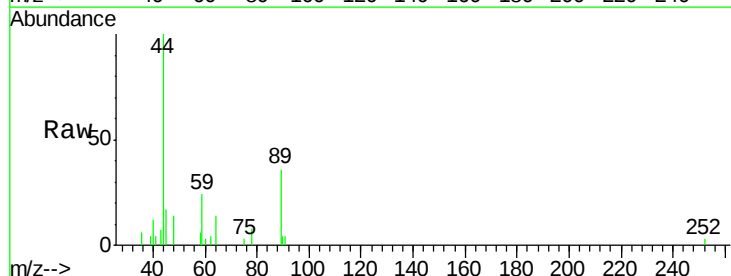
Manual Integrations
APPROVED

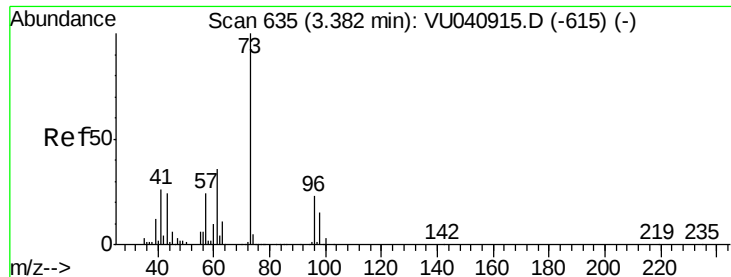
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 0.987 ug/l
RT: 3.20 min Scan# 579
Delta R.T. -0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#





#25

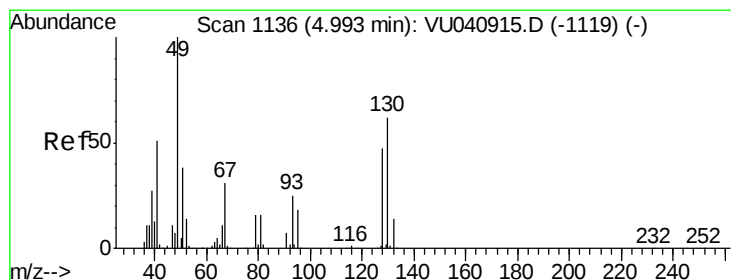
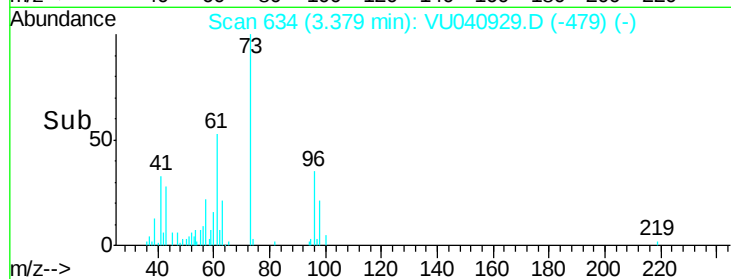
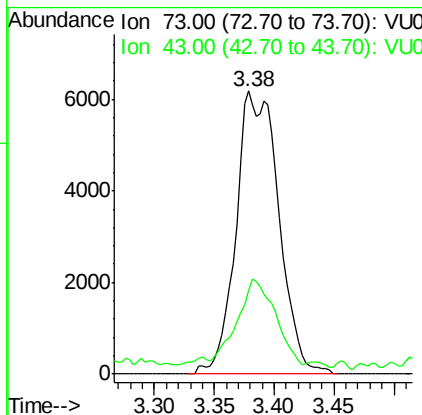
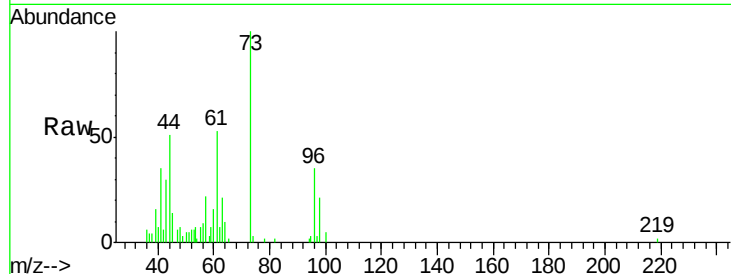
Methyl tert-Butyl Ether
Concen: 0.344 ug/l m
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion: 73 Resp: 15343
Ion Ratio Lower Upper
73 100
43 27.0 19.0 28.6

Manual Integrations
APPROVED

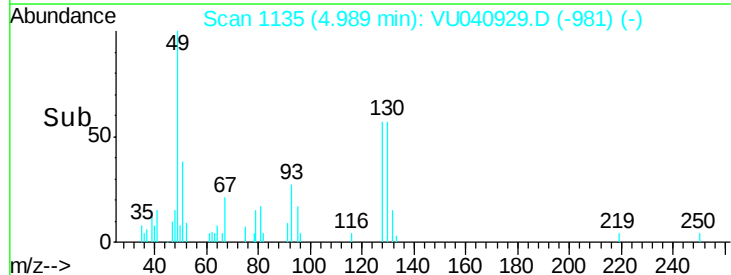
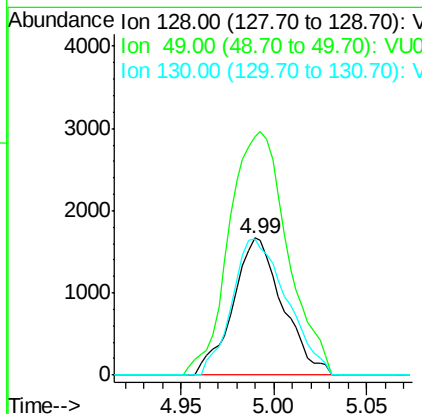
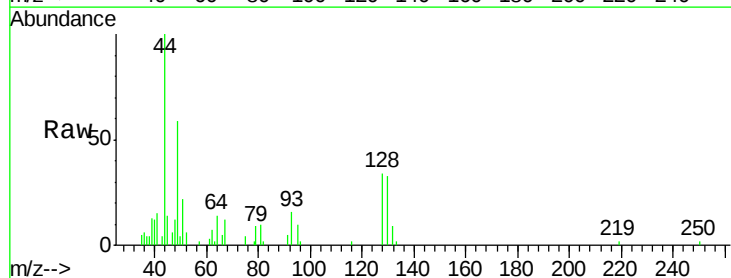
MMDadoda
10/26/2020 4:24:12 PM

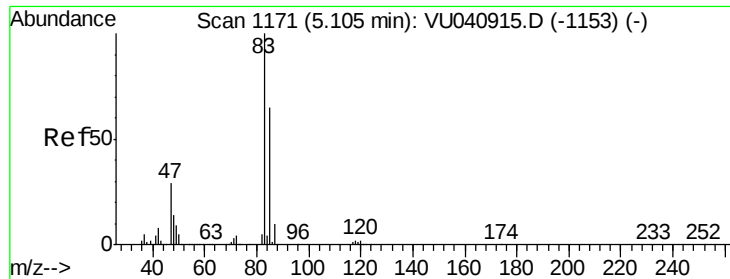


#26

Bromochloromethane
Concen: 0.412 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 128 Resp: 3109
Ion Ratio Lower Upper
128 100
49 207.9 0.0 426.4
130 109.6 106.2 159.4





#27

Chloroform

Concen: 0.397 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 83 Resp: 12633

Ion Ratio Lower Upper

83 100

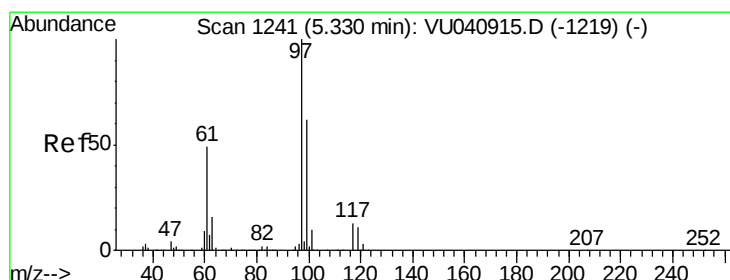
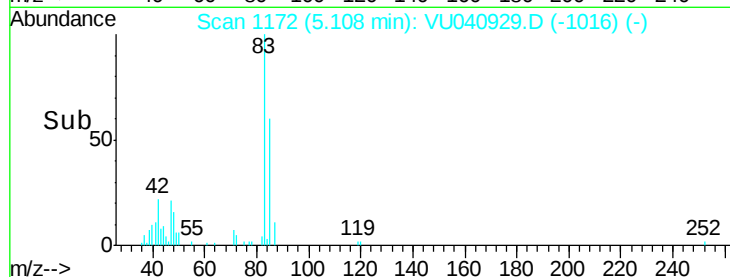
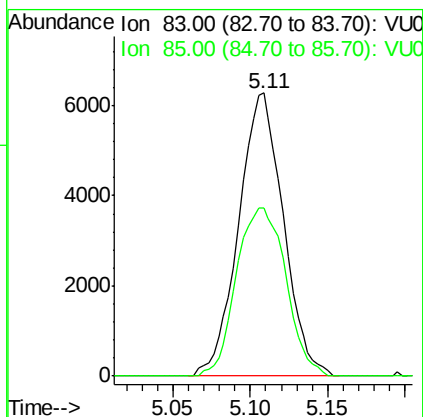
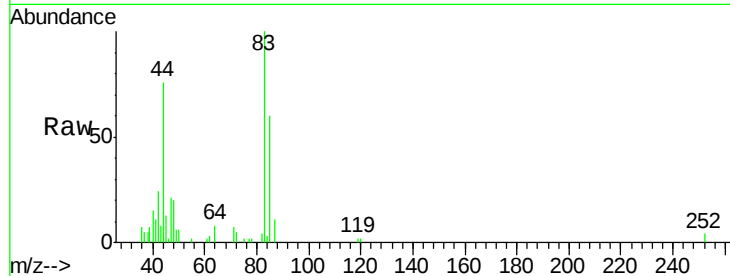
85 59.6 0.0 129.0

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 0.393 ug/l

RT: 5.33 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

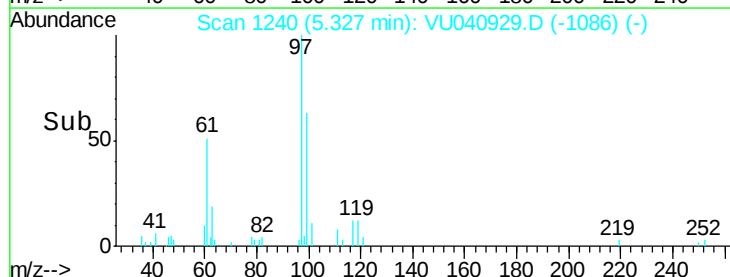
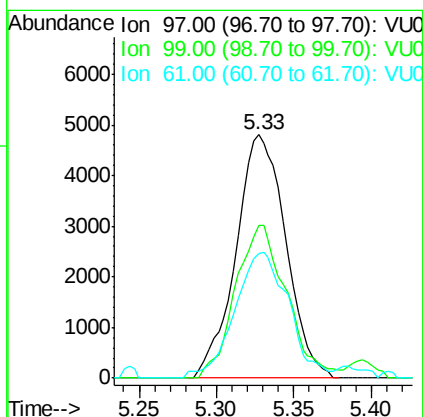
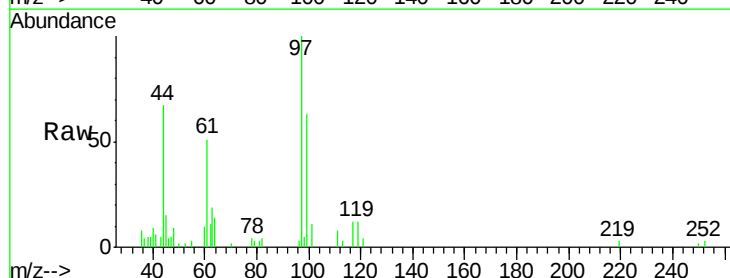
Tgt Ion: 97 Resp: 10781

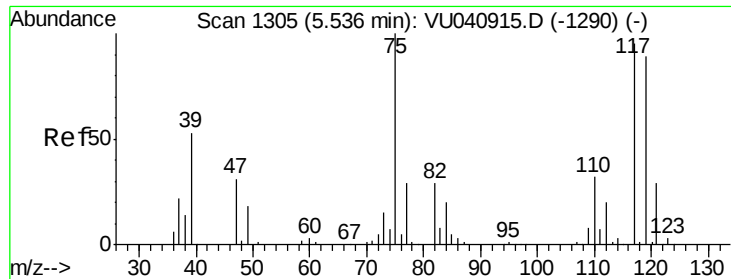
Ion Ratio Lower Upper

97 100

99 64.3 31.4 94.3

61 55.7 24.7 74.1





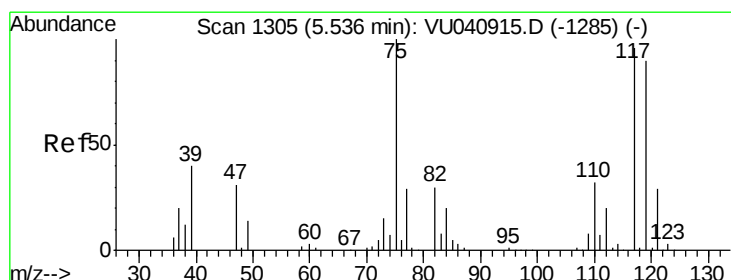
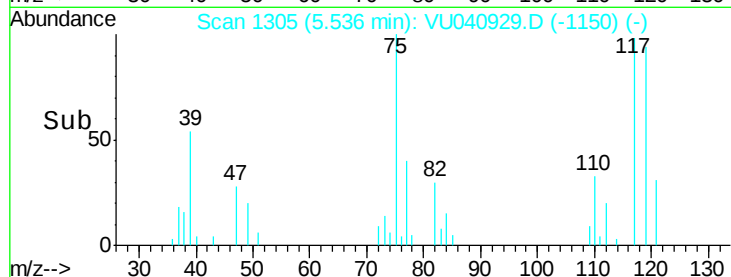
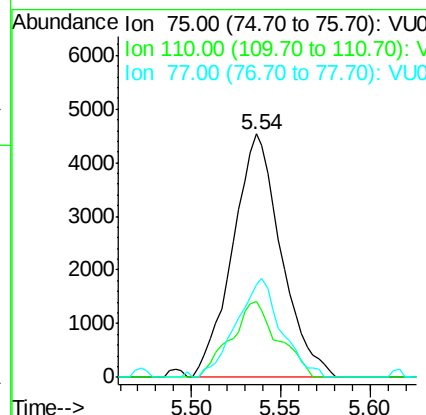
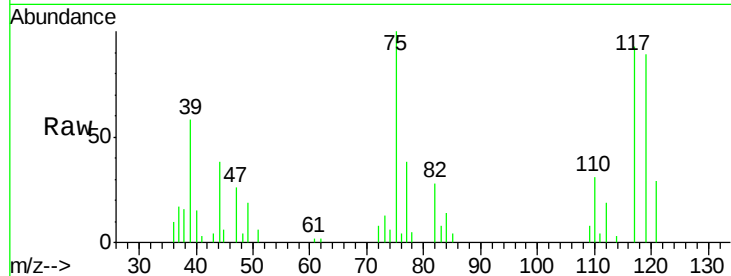
#29
 1,1-Dichloropropene
 Concen: 0.357 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.2	15.9	47.6
77	37.6	24.2	36.2#

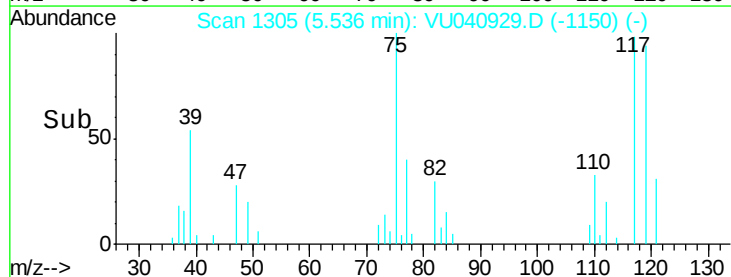
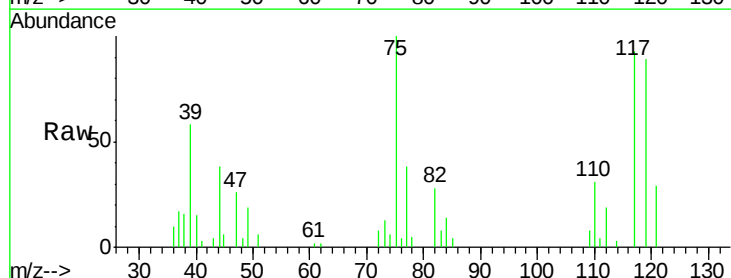
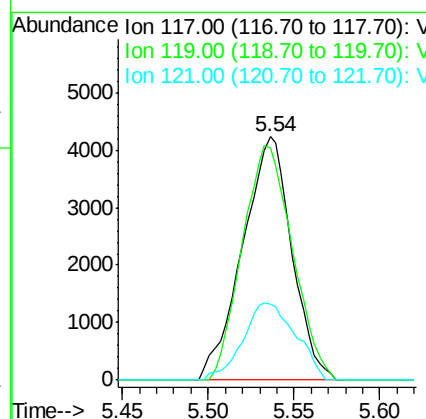
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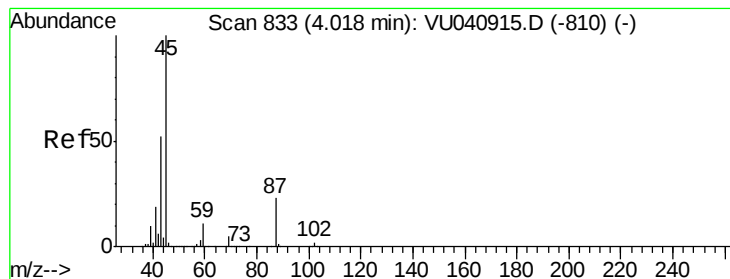
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#30
 Carbon Tetrachloride
 Concen: 0.340 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.9	112.3
121	31.4	24.1	36.1





#31

Isopropyl Ether

Concen: 0.368 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 45 Resp: 18923

Ion Ratio Lower Upper

45 100

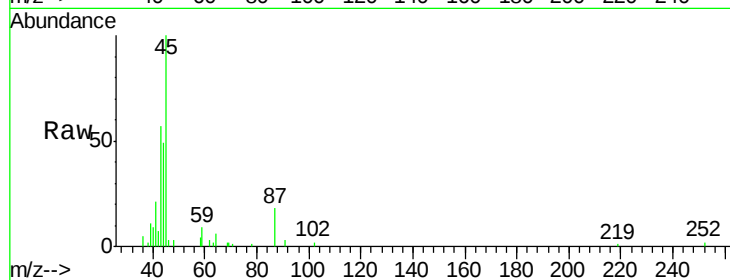
43 52.5 26.8 80.3

Manual Integrations

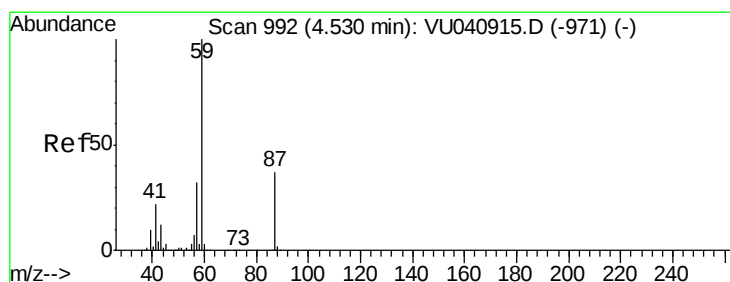
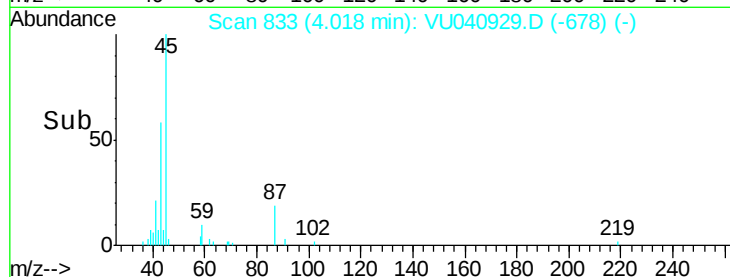
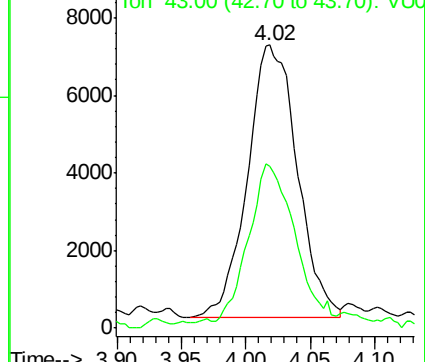
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Abundance Ion 45.00 (44.70 to 45.70): VU040929.D (-678) (-)



#32

Ethyl-t-butyl ether

Concen: 0.344 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU040929.D

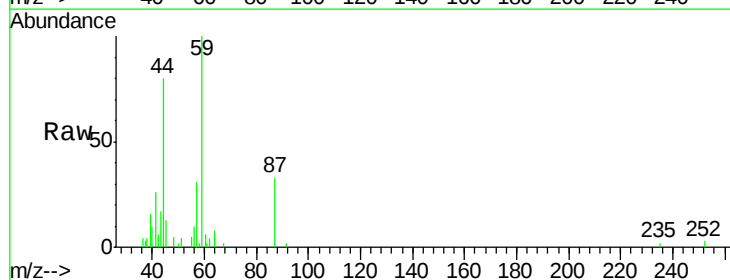
Acq: 23 Oct 2020 11:33

Tgt Ion: 59 Resp: 15569

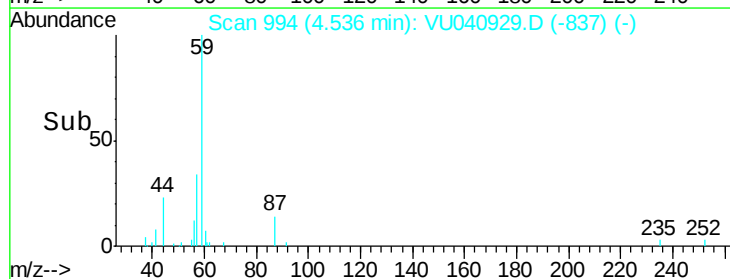
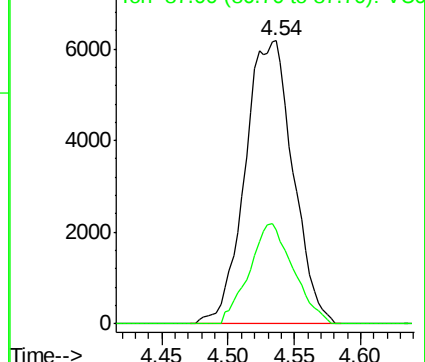
Ion Ratio Lower Upper

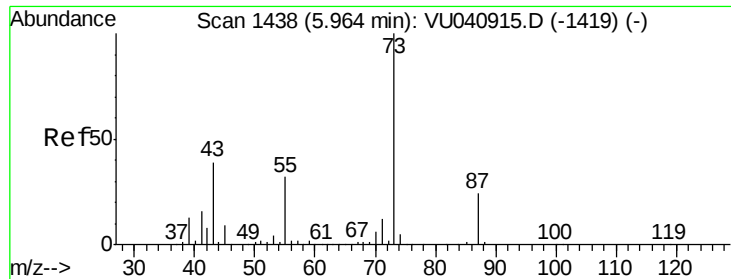
59 100

87 32.6 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040929.D (-837) (-)





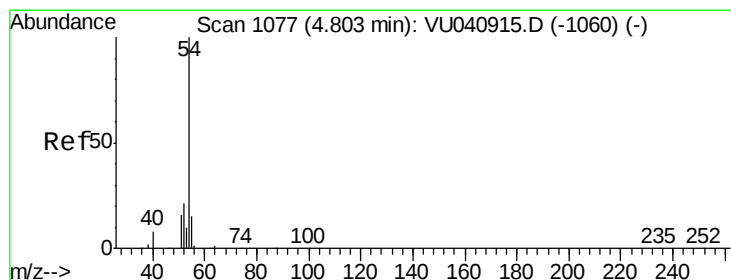
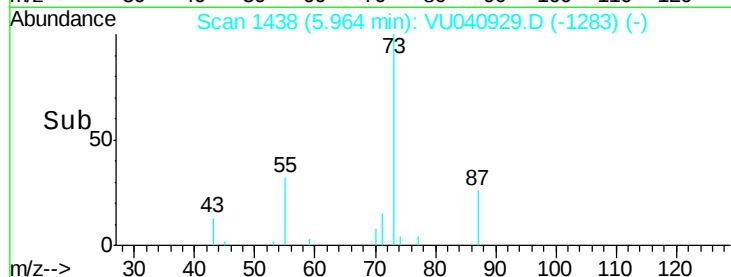
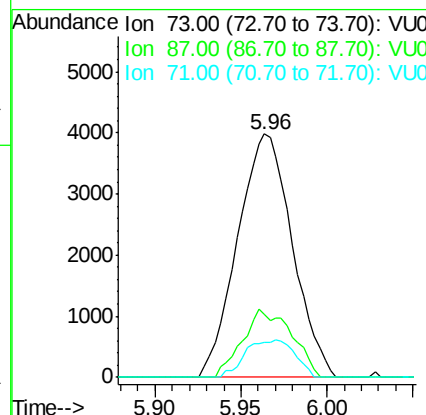
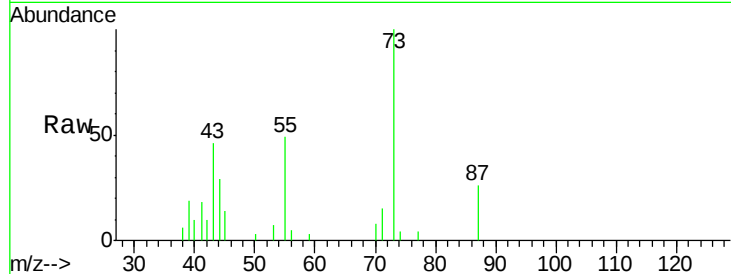
#33
Tert-Butyl methyl ether
Concen: 0.261 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.2	19.0	28.4
71	13.8	9.7	14.5

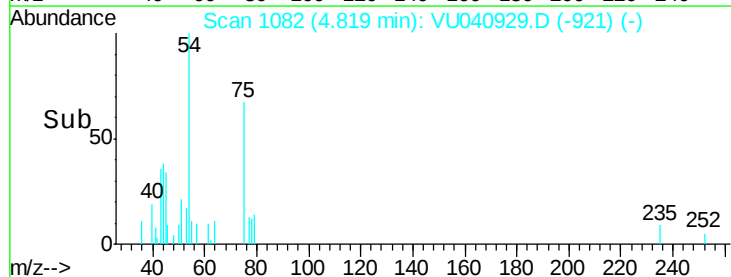
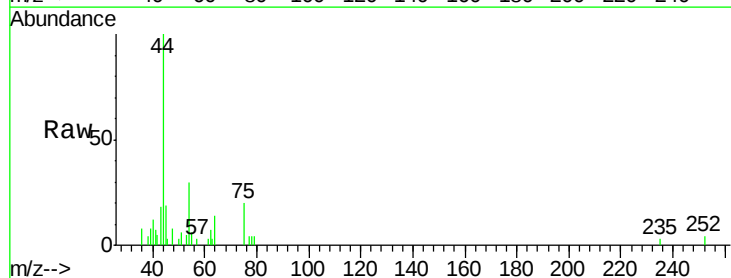
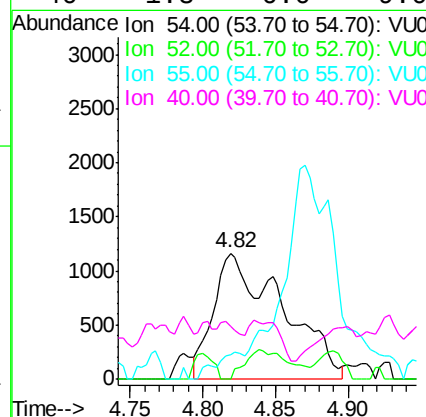
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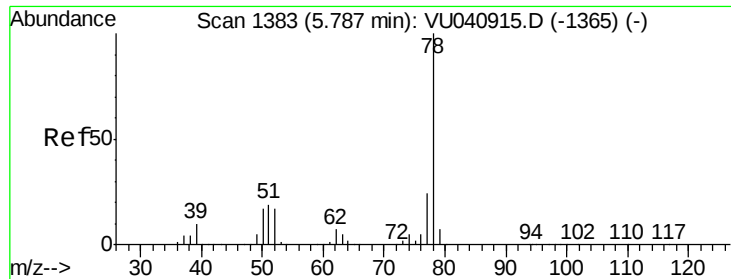
MMDadoda
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#34
Propionitrile
Concen: 2.051 ug/l m
RT: 4.82 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.5	23.3#
55	0.0	12.5	18.7#
40	1.8	6.0	9.0#





#35

Benzene

Concen: 0.339 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 78 Resp: 22566

Ion Ratio Lower Upper

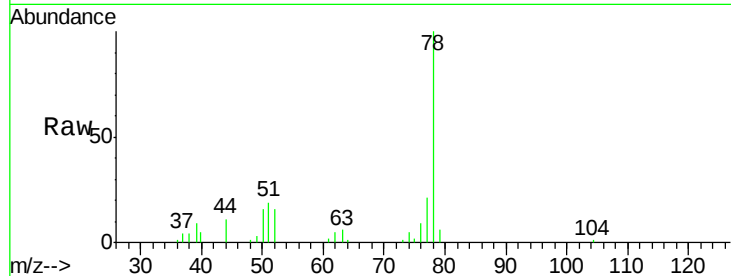
78 100

77 21.4 19.4 29.2

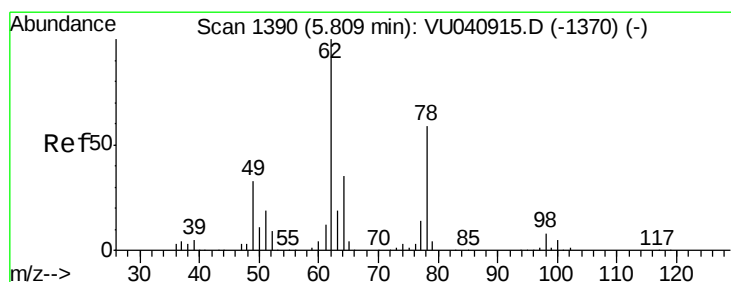
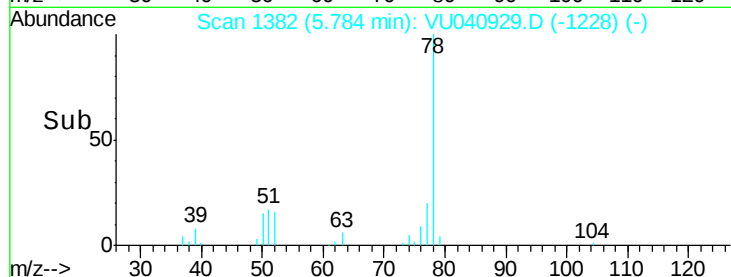
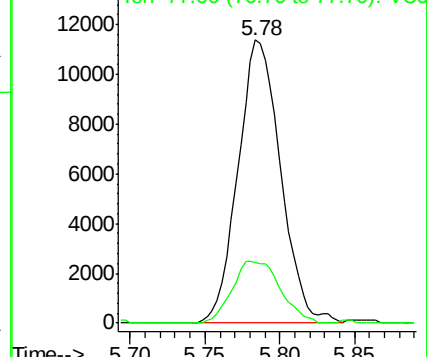
Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VU040929.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.360 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040929.D

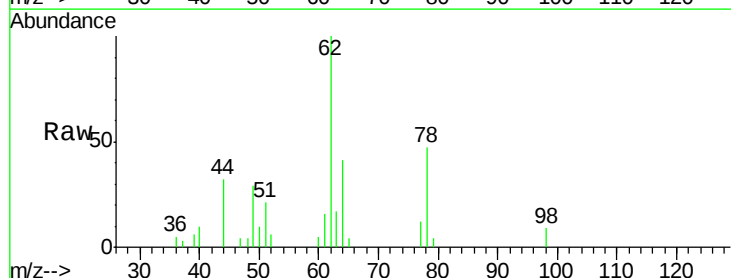
Acq: 23 Oct 2020 11:33

Tgt Ion: 62 Resp: 8896

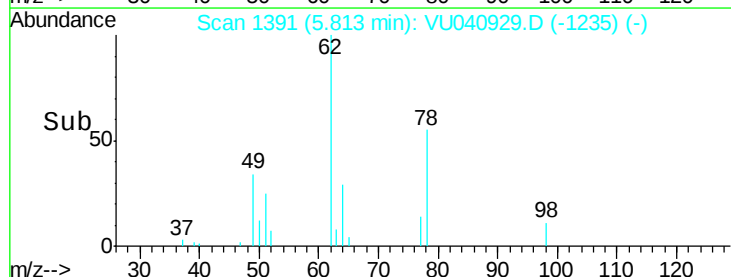
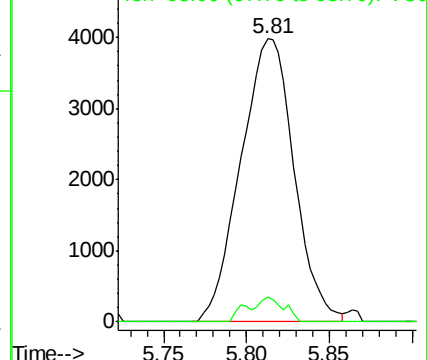
Ion Ratio Lower Upper

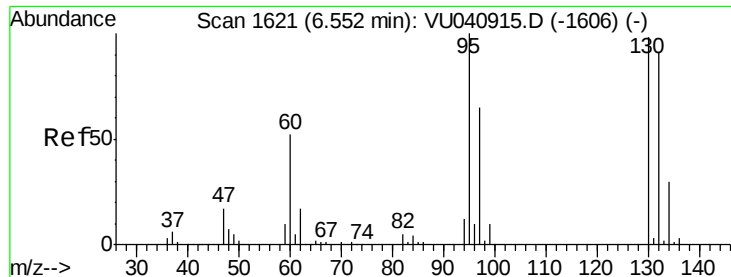
62 100

98 4.2 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040929.D (-1235) (-)





#37

Trichloroethene

Concen: 0.288 ug/l

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:130 Resp: 4534

Ion Ratio Lower Upper

130 100

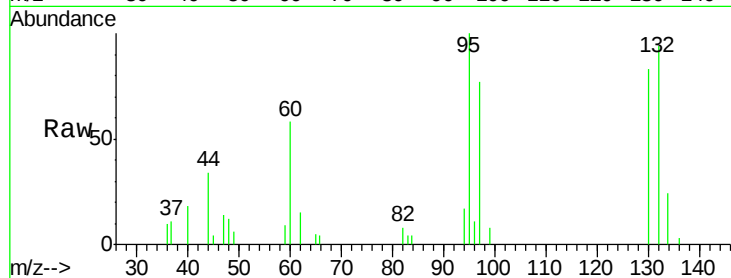
95 120.5 81.9 122.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU040929.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU040929.D (-1466) (-)

6.55

3000

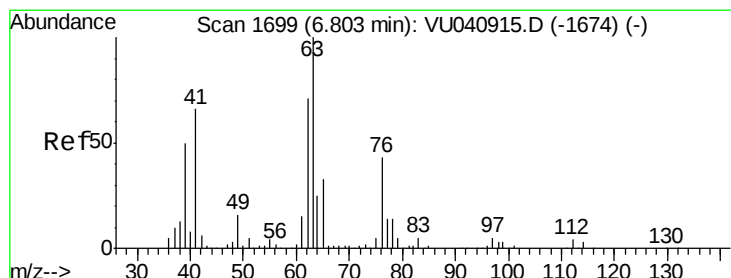
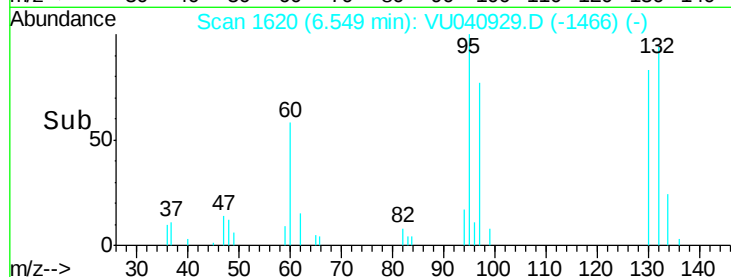
2000

1000

0

6.50 6.55 6.60

Time-->



#38

1,2-Dichloropropane

Concen: 0.328 ug/l

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040929.D

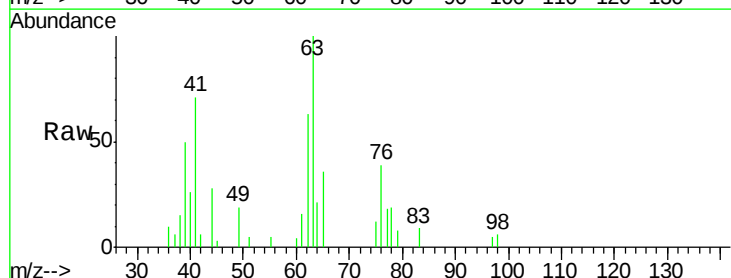
Acq: 23 Oct 2020 11:33

Tgt Ion: 63 Resp: 6204

Ion Ratio Lower Upper

63 100

65 36.3 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040929.D (-1543) (-)

Ion 65.00 (64.70 to 65.70): VU040929.D (-1543) (-)

6.80

3000

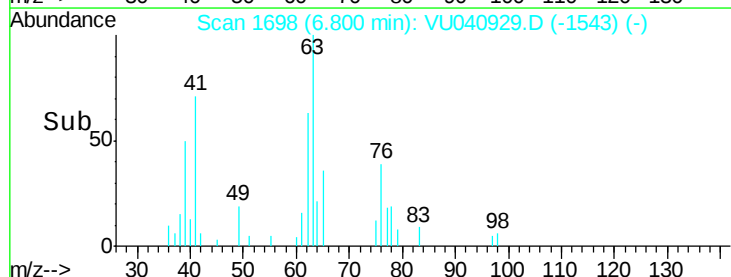
2000

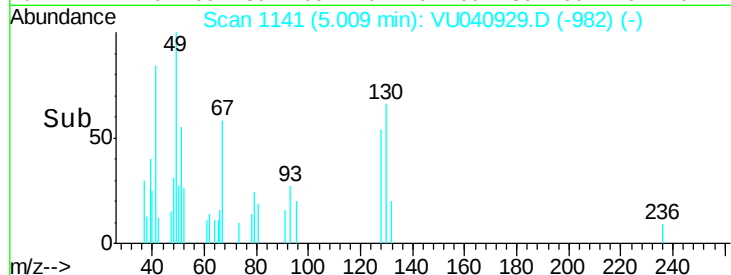
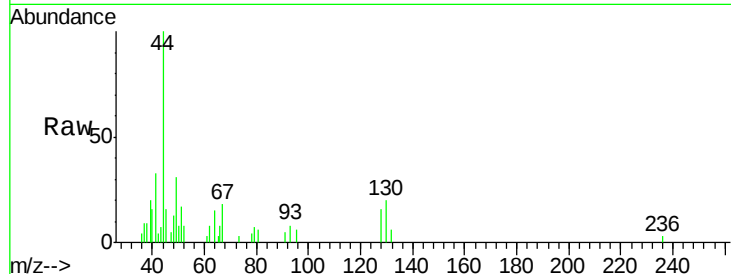
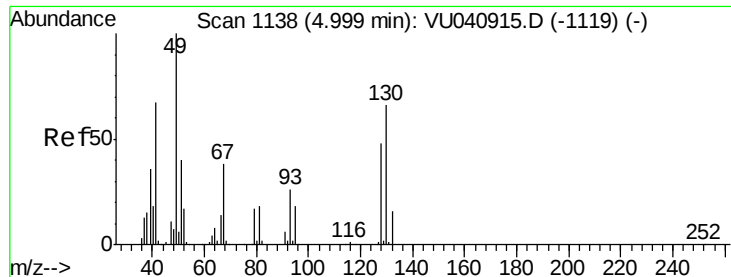
1000

0

6.75 6.80 6.85

Time-->





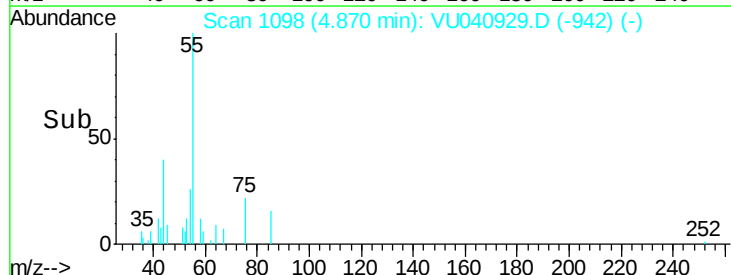
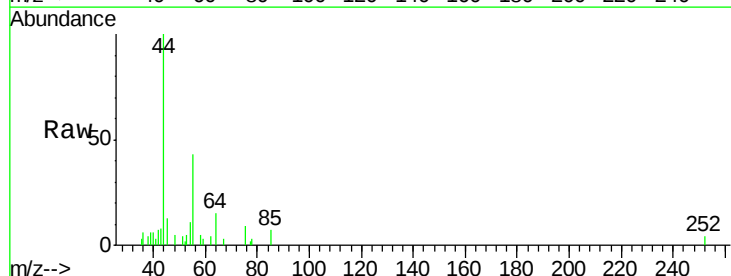
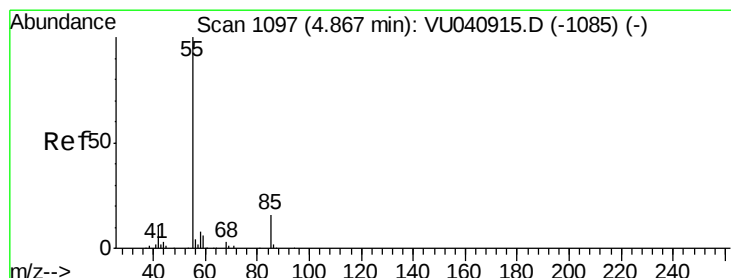
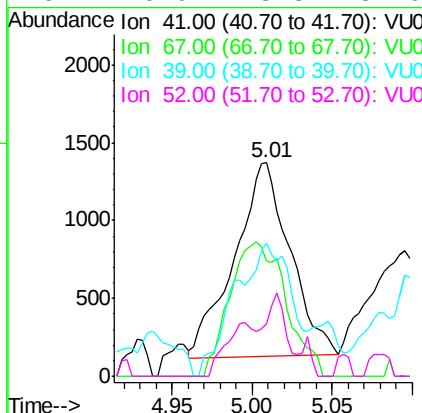
#39
Methacrylonitrile
Concen: 0.336 ug/l
RT: 5.01 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tot Ion	Ratio	Lower	Upper
41	100		
67	70.0	48.7	73.1
39	70.8	44.6	67.0#
52	16.9	23.3	34.9#

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

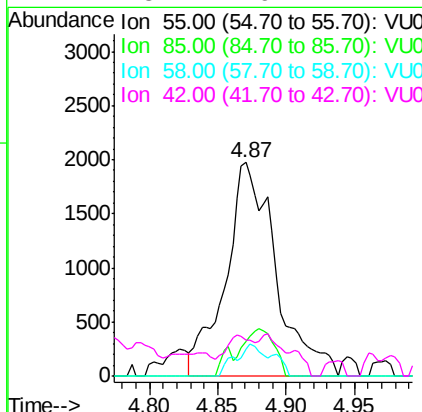
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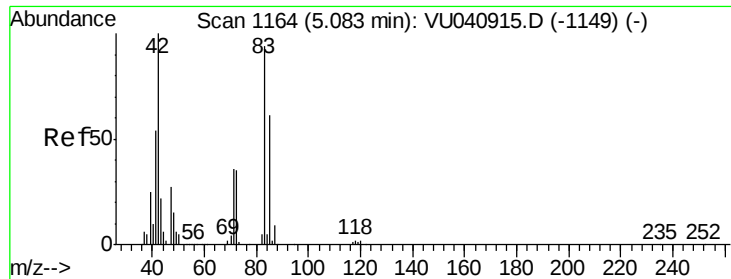
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#40
Methyl acrylate
Concen: 0.420 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
55	100		
85	13.4	12.2	18.2
58	8.2	6.8	10.2
42	5.1	9.4	14.2#





#41

Tetrahydrofuran

Concen: 0.726 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.02 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

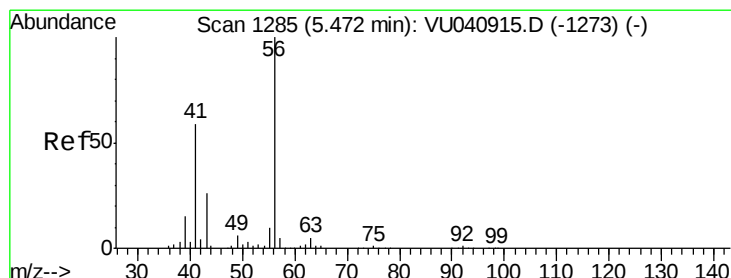
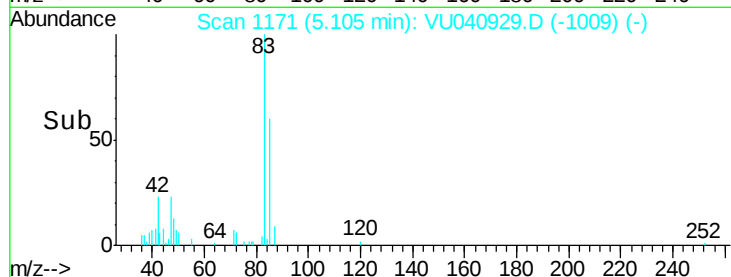
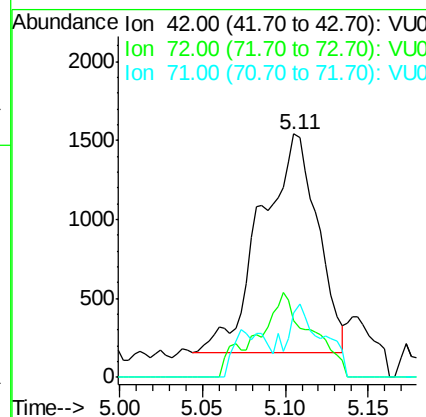
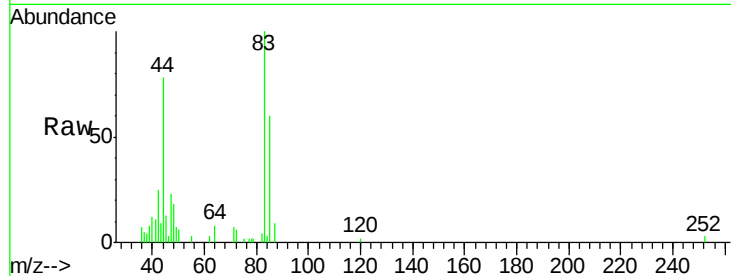
MDL-WATER-03-QT4-2020

Tot Ion:	42	Resp:	3300
Ion	Ratio	Lower	Upper
42	100		
72	33.1	30.1	45.1
71	21.4	27.9	41.9#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.369 ug/l

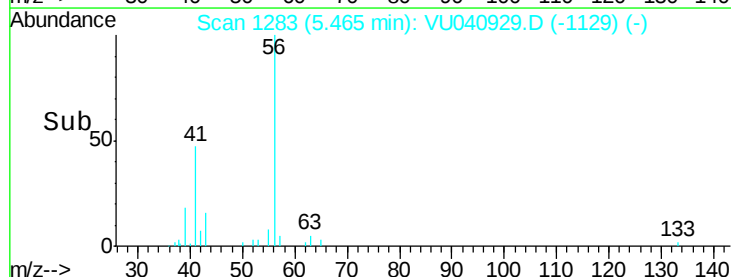
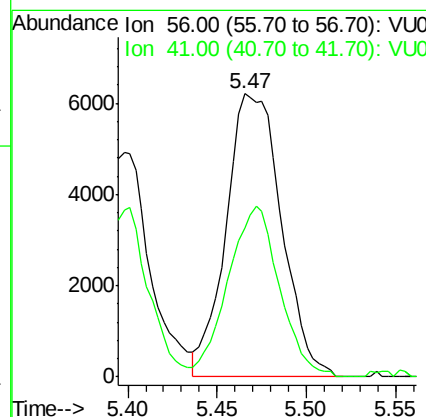
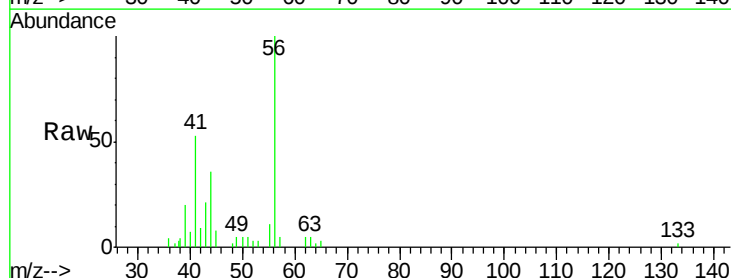
RT: 5.47 min Scan# 1283

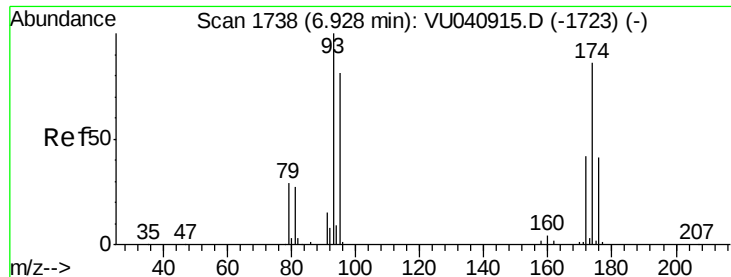
Delta R.T. -0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	56	Resp:	13390
Ion	Ratio	Lower	Upper
56	100		
41	56.3	29.6	88.8





#43

Dibromomethane

Concen: 0.296 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

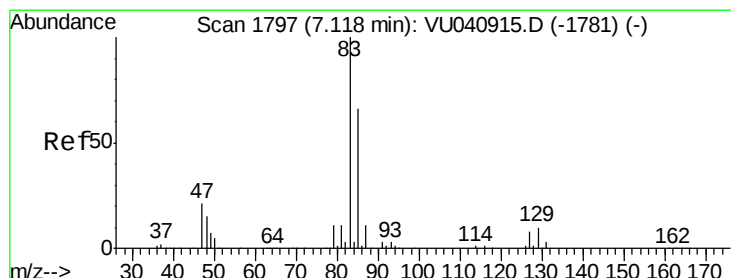
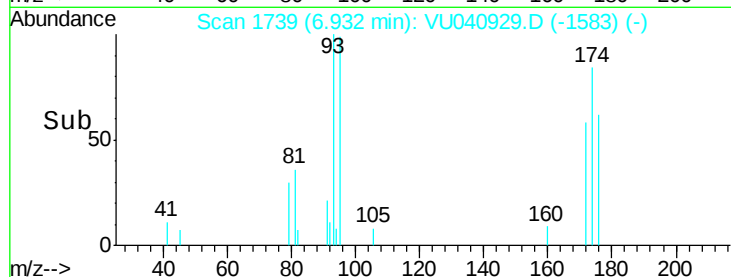
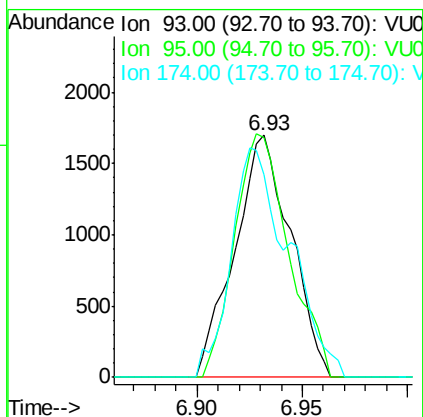
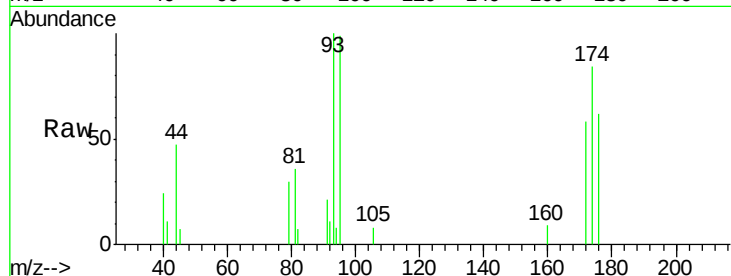
MDL-WATER-03-QT4-2020

Tot Ion:	93	Resp:	3129
Ion	Ratio	Lower	Upper
93	100		
95	97.3	66.3	99.5
174	97.9	70.4	105.6

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#44

Bromodichloromethane

Concen: 0.337 ug/l

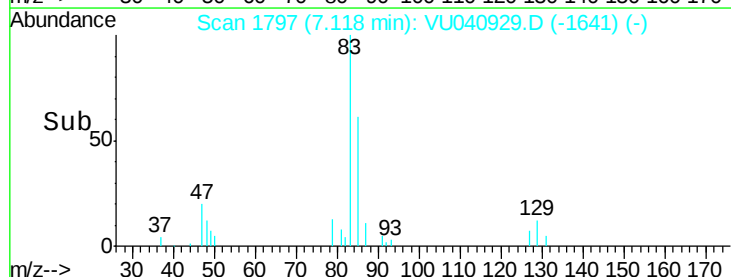
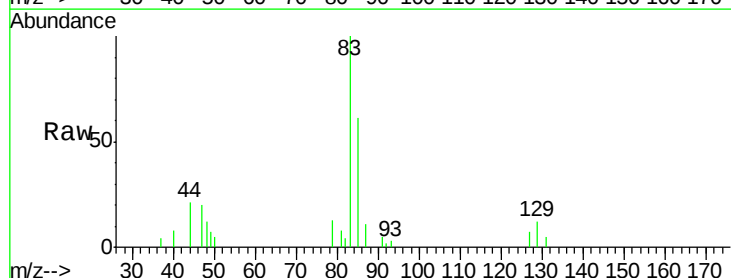
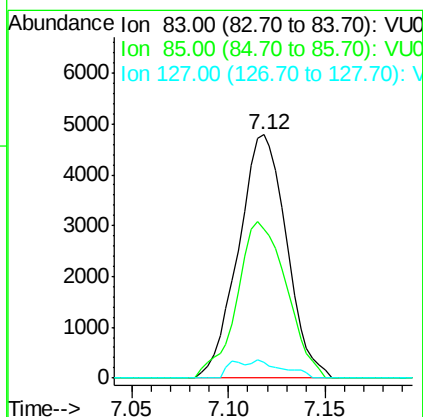
RT: 7.12 min Scan# 1797

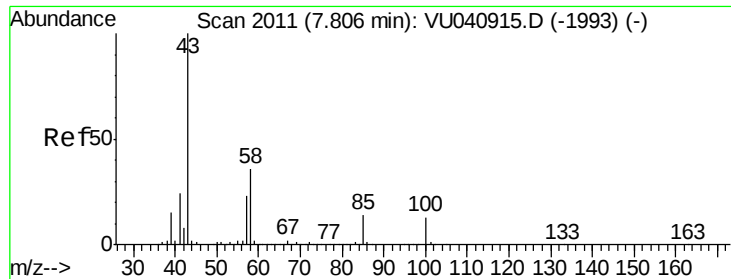
Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	83	Resp:	8275
Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.6	78.8
127	6.7	6.4	9.6





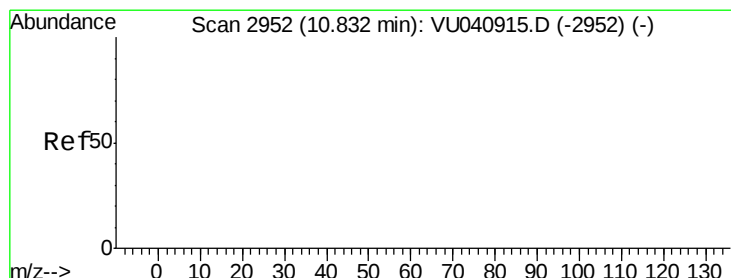
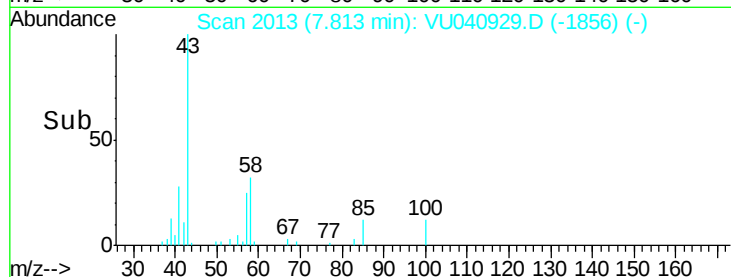
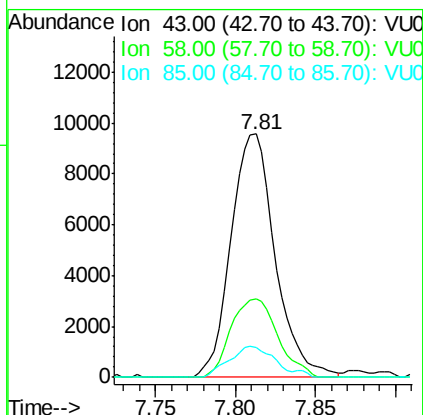
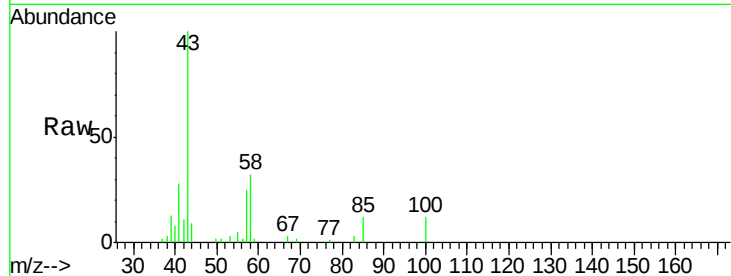
#45
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:	43	Resp:	18020
Ion Ratio	Lower	Upper	
43	100		
58	34.4	17.8	53.5
85	12.8	11.4	17.2

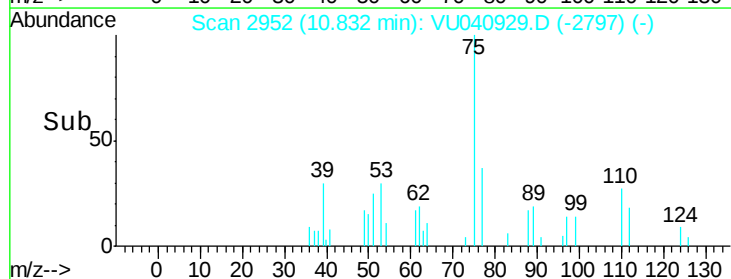
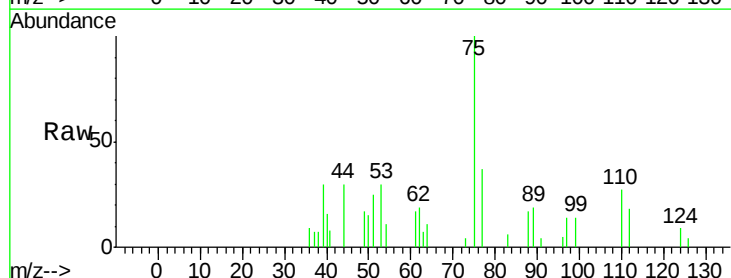
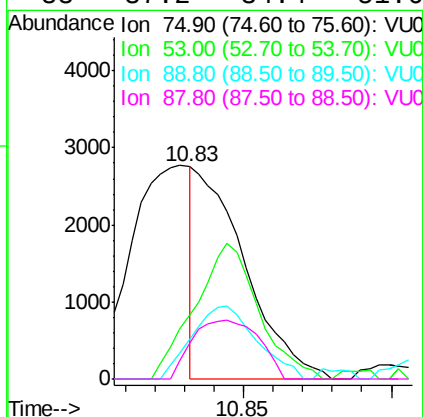
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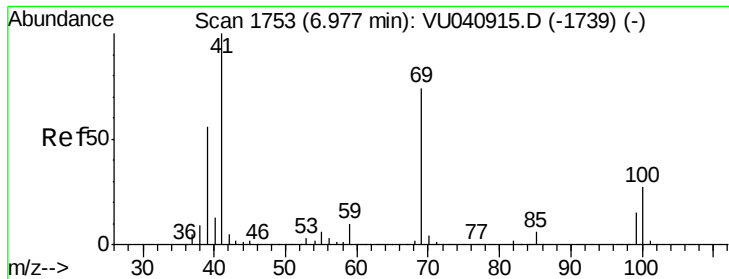
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#46
t-1,4-Dichloro-2-butene
Concen: 0.585 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:	75	Resp:	3216
Ion Ratio	Lower	Upper	
75	100		
53	81.6	73.0	109.4
89	44.3	41.7	62.5
88	37.2	34.4	51.6





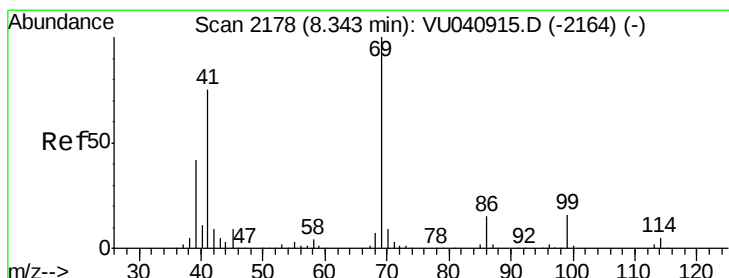
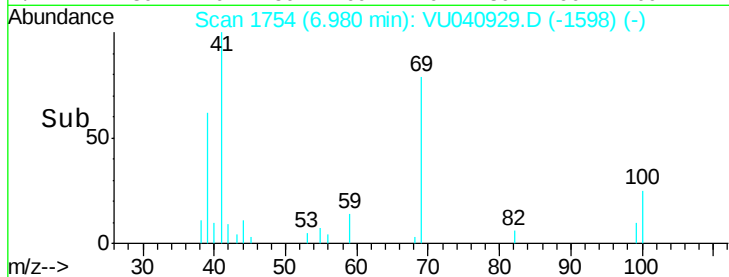
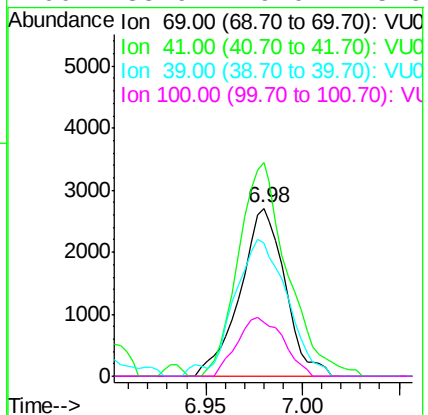
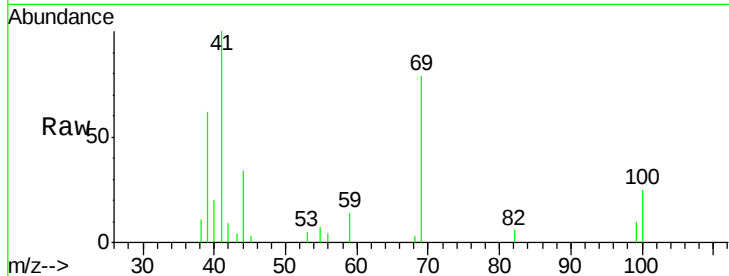
#47
Methvl methacrylate
Concen: 0.495 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion: 69 Resp: 4377
Ion Ratio Lower Upper
69 100
41 138.9 0.0 270.2
39 96.0 61.6 92.4#
100 35.9 29.0 43.6

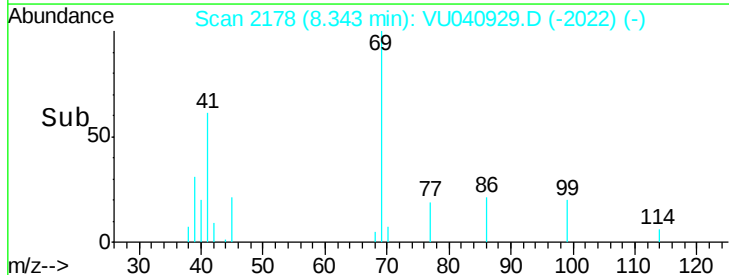
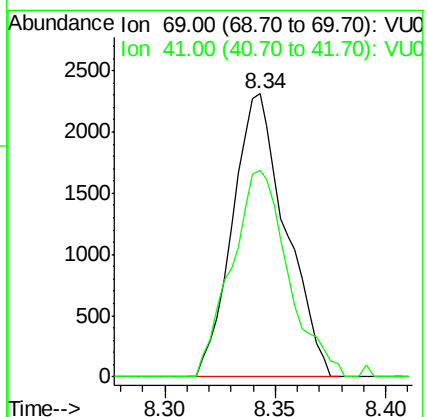
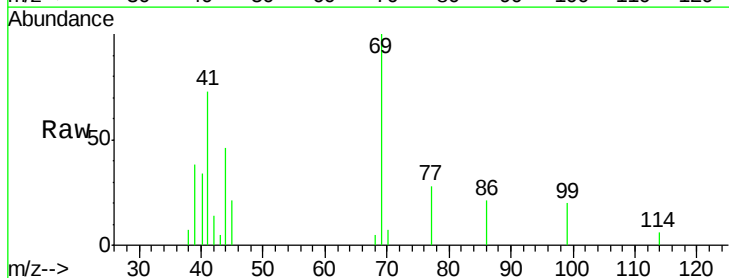
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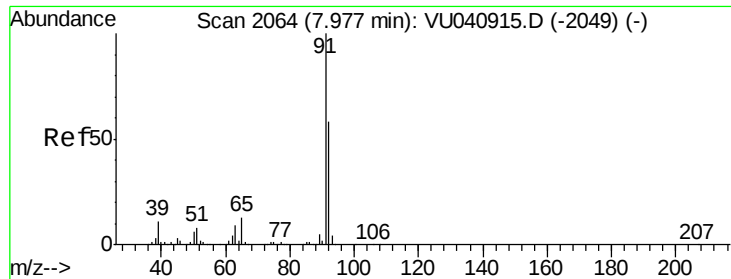
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#48
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 69 Resp: 3875
Ion Ratio Lower Upper
69 100
41 77.5 37.6 112.9





#49

Toluene

Concen: 0.271 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 92 Resp: 9927

Ion Ratio Lower Upper

92 100

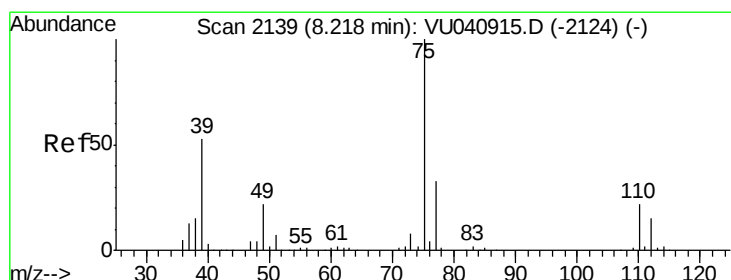
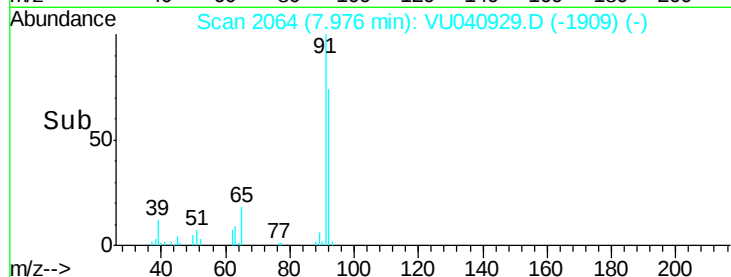
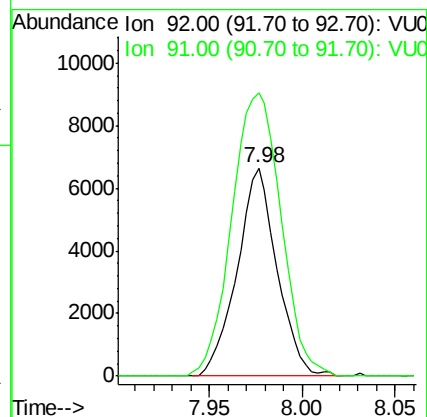
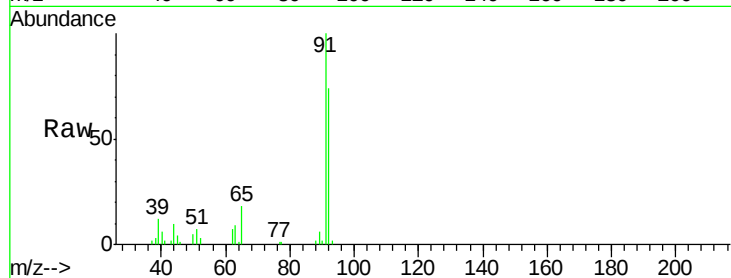
91 167.9 136.8 205.2

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#50

t-1,3-Dichloropropene

Concen: 0.263 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040929.D

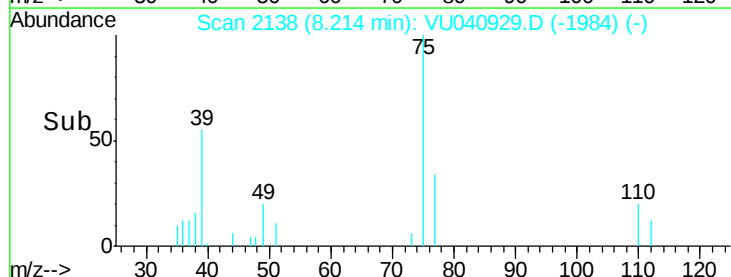
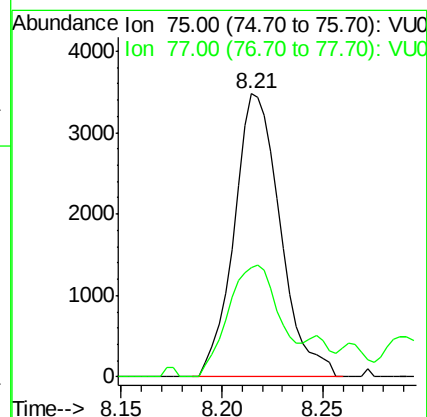
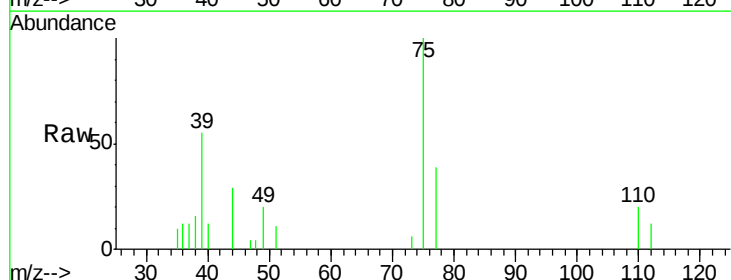
Acq: 23 Oct 2020 11:33

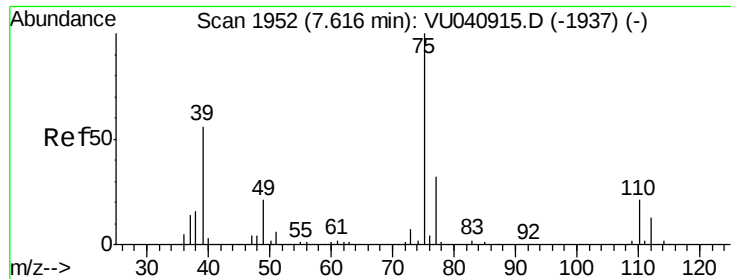
Tgt Ion: 75 Resp: 5584

Ion Ratio Lower Upper

75 100

77 38.7 26.2 39.4





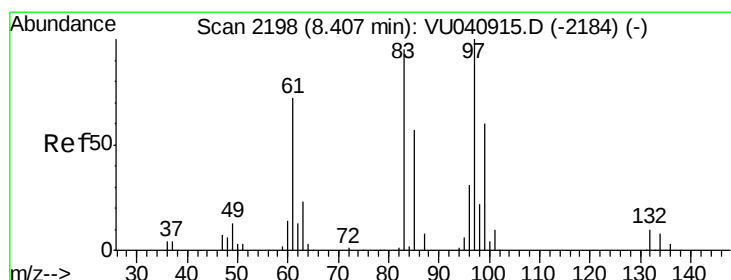
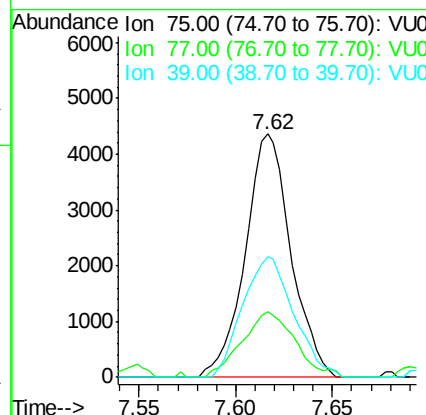
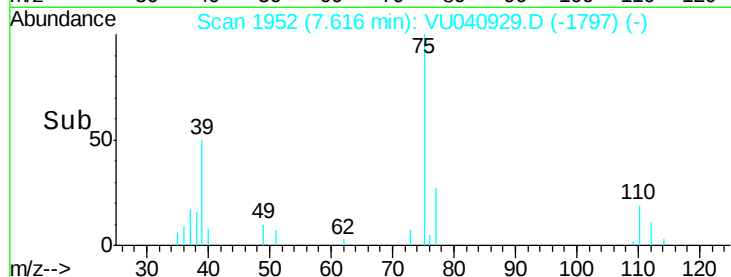
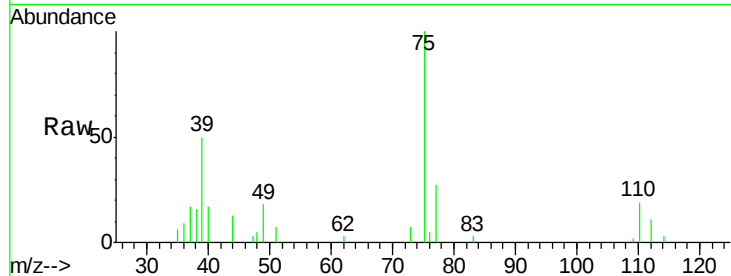
#51
 cis-1,3-Dichloropropene
 Concen: 0.307 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion:	75	Resp:	7159
Ion	Ratio	Lower	Upper
75	100		
77	26.8	25.4	38.0
39	49.6	44.7	67.1

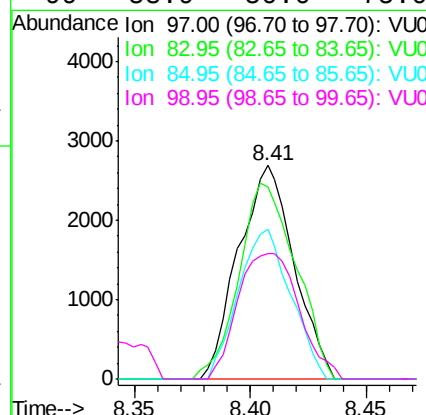
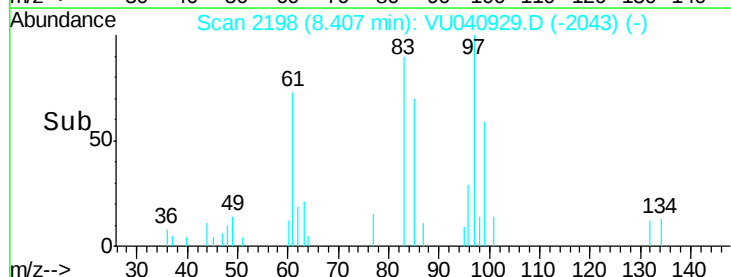
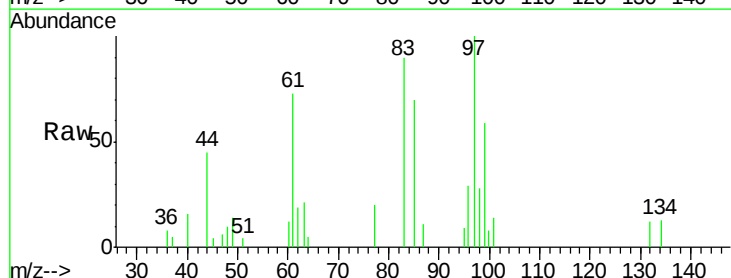
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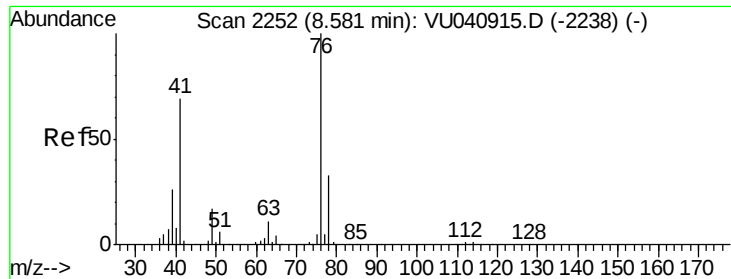
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#52
 1,1,2-Trichloroethane
 Concen: 0.333 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:	97	Resp:	4464
Ion	Ratio	Lower	Upper
97	100		
83	89.9	75.9	113.9
85	69.9	46.1	69.1#
99	58.9	50.0	75.0





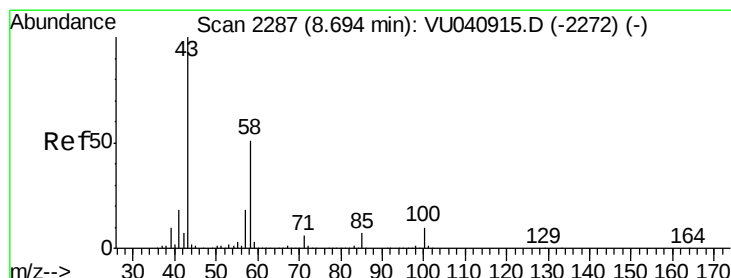
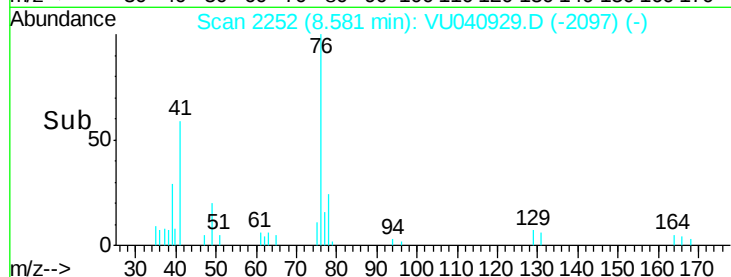
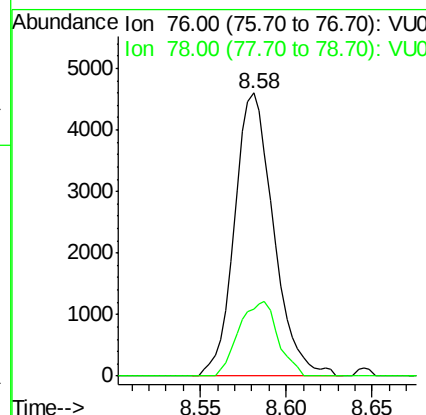
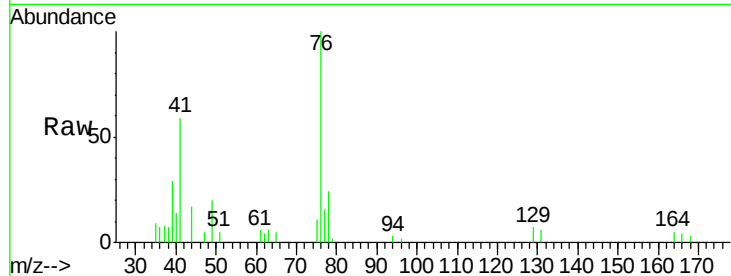
#53
 1,3-Dichloropropane
 Concen: 0.302 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	26.1	26.6	39.8#

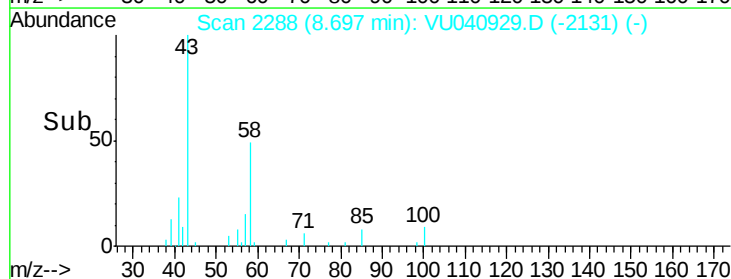
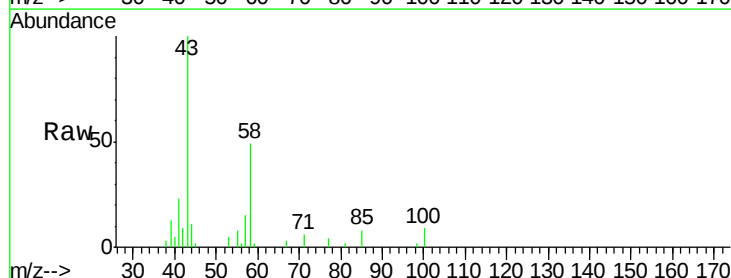
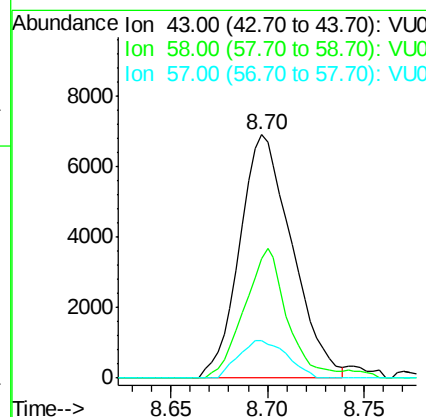
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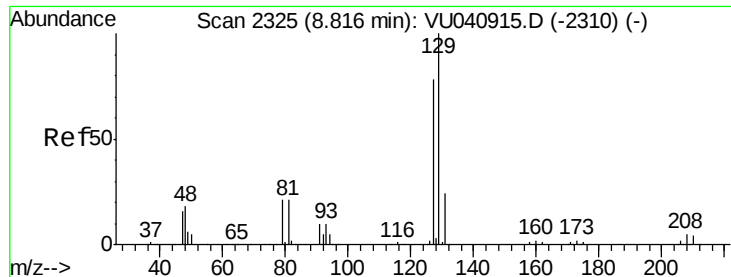
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#54
 2-Hexanone
 Concen: 1.339 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	30.2	70.2
57	14.2	0.0	37.4





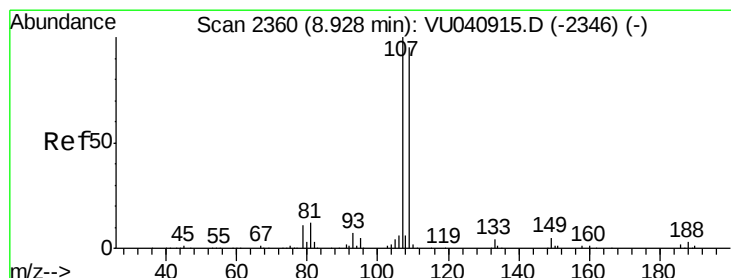
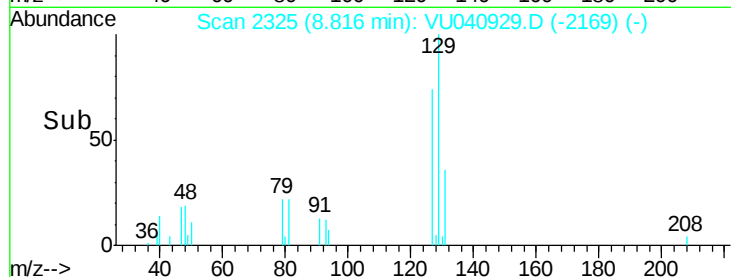
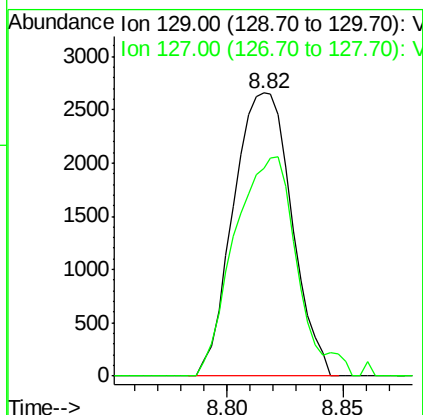
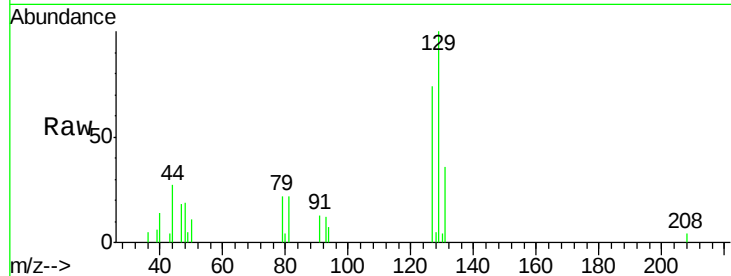
#55
Dibromochloromethane
Concen: 0.289 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	82.9	63.1	94.7	

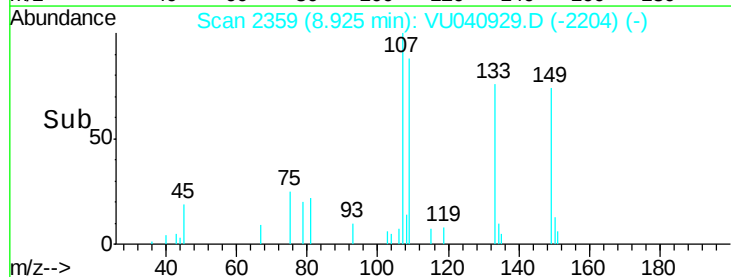
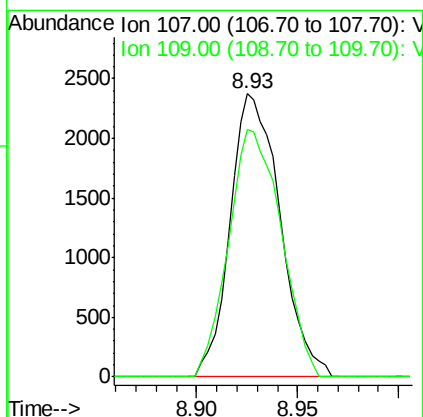
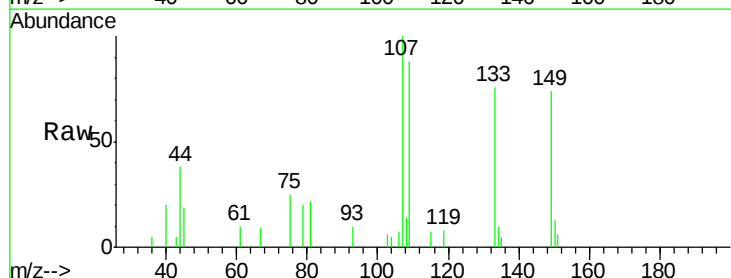
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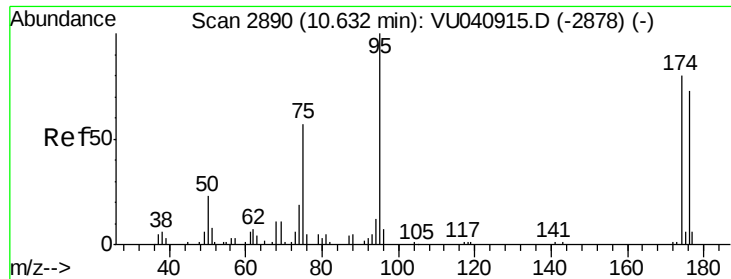
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#56
1,2-Dibromoethane
Concen: 0.330 ug/l
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.0	0.0	190.4	





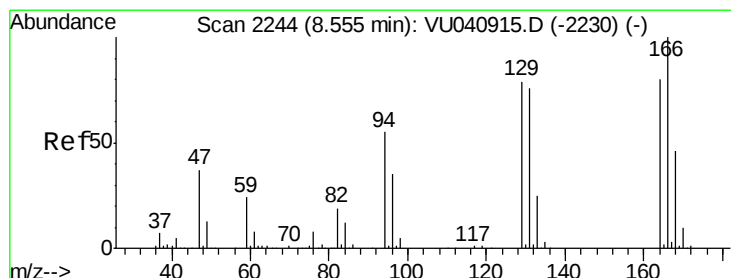
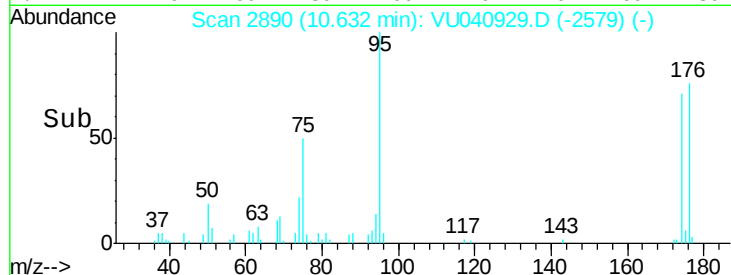
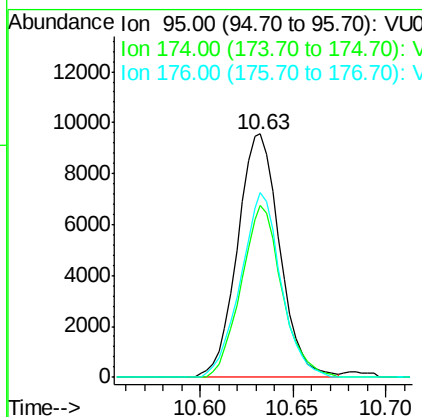
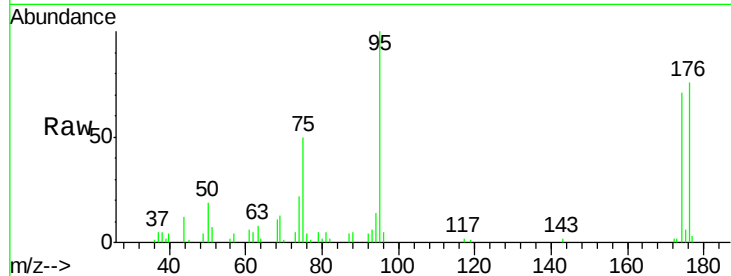
#57
4-Bromofluorobenzene
Concen: 0.801 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:	95	Resp:	15185
Ion Ratio	Lower	Upper	
95	100		
174	67.9	60.3	90.5
176	72.1	55.6	83.4

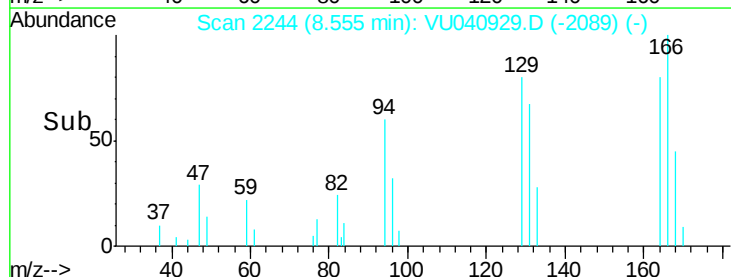
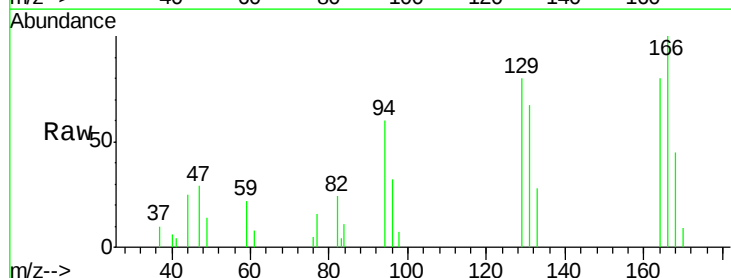
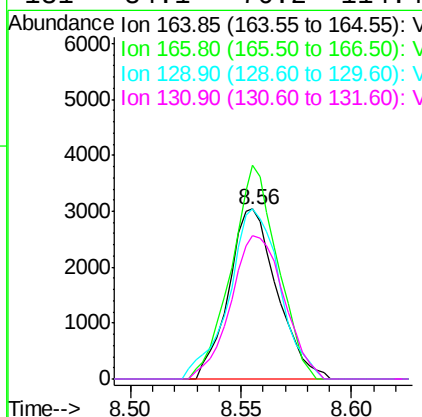
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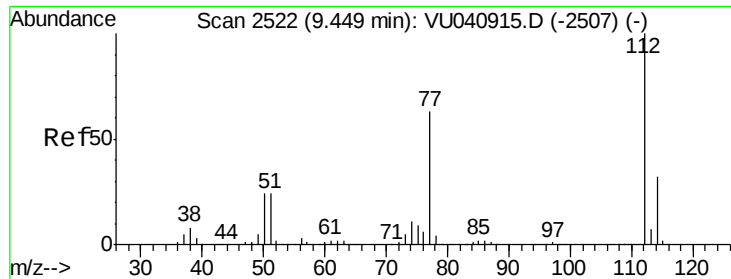
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#58
Tetrachloroethene
Concen: 0.313 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:	164	Resp:	4608
Ion Ratio	Lower	Upper	
164	100		
166	125.5	100.3	150.5
129	100.2	79.4	119.0
131	84.1	76.2	114.4





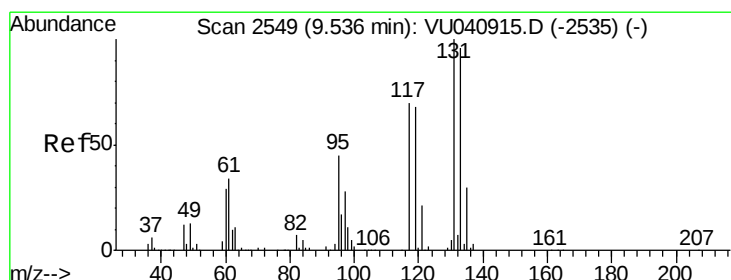
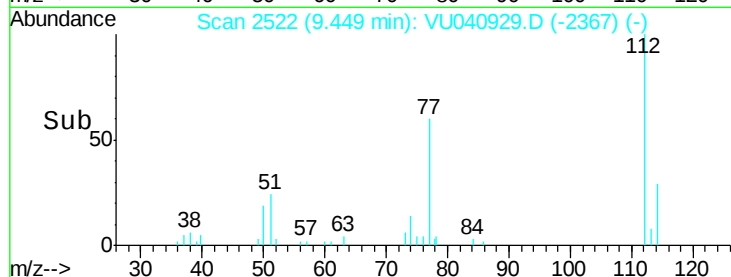
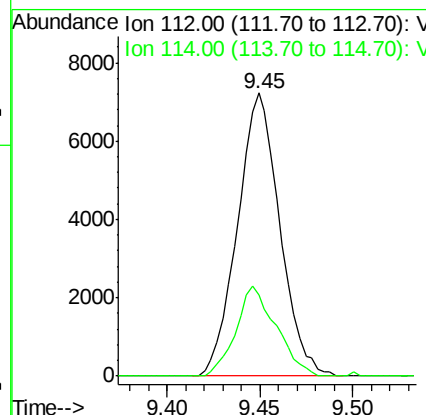
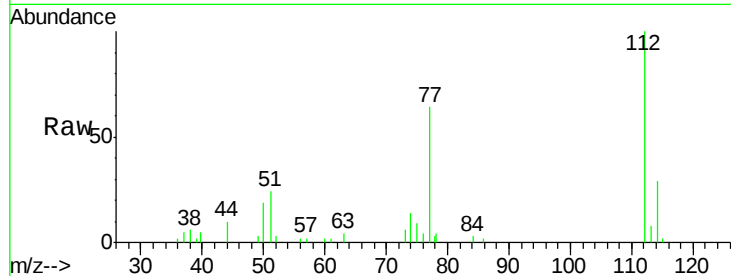
#59
Chlorobenzene
Concen: 0.296 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:112 Resp: 11461
Ion Ratio Lower Upper
112 100
114 28.9 25.8 38.8

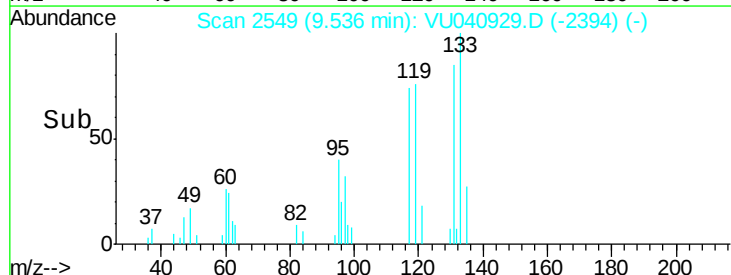
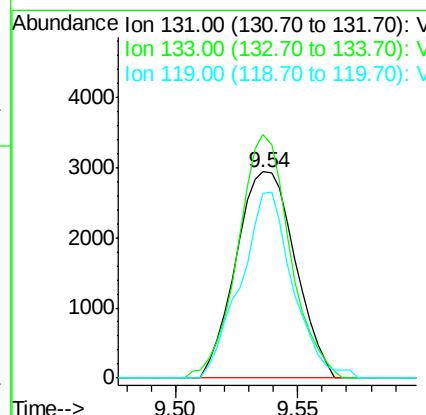
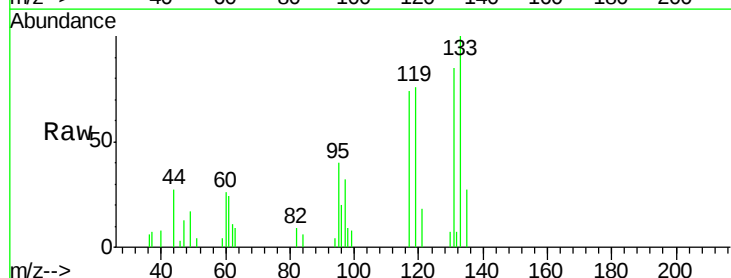
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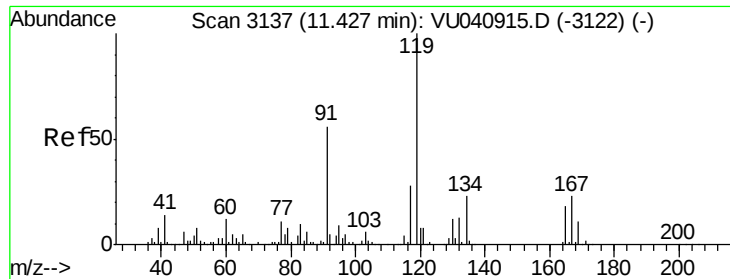
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.325 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:131 Resp: 4951
Ion Ratio Lower Upper
131 100
133 103.6 77.4 116.0
119 79.1 53.5 80.3





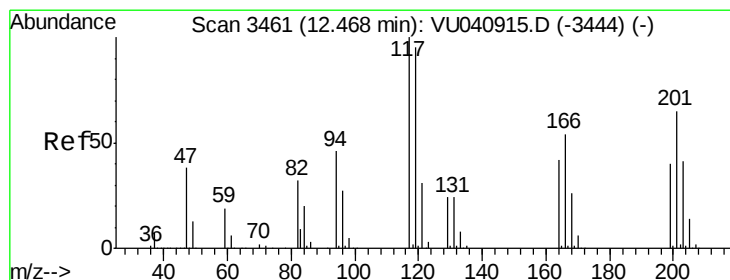
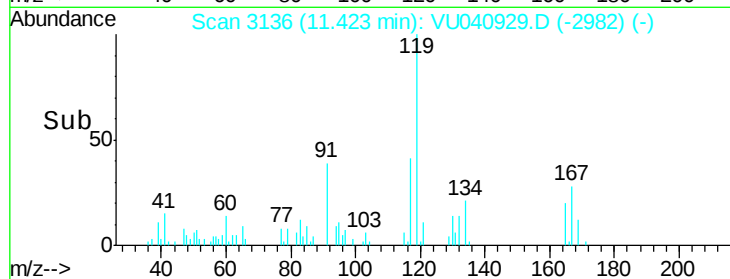
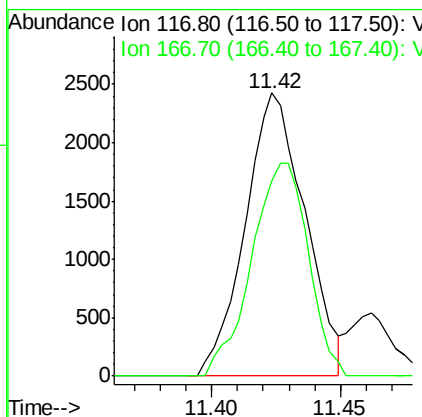
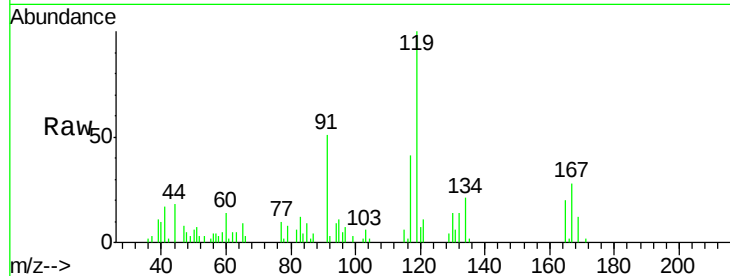
#61
 Pentachloroethane
 Concen: 0.319 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion:117 Resp: 3921
 Ion Ratio Lower Upper
 117 100
 167 71.3 59.4 89.2

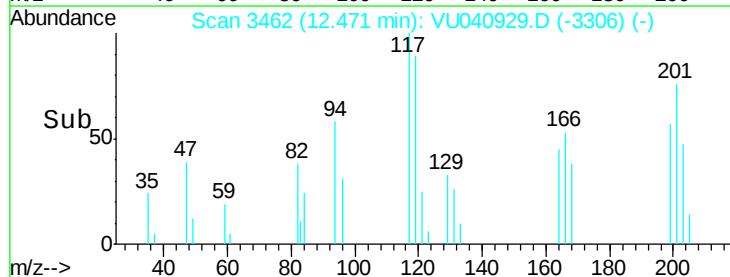
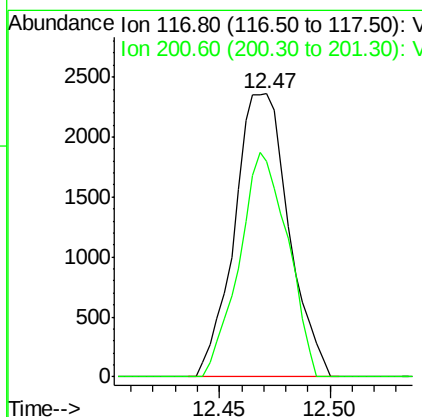
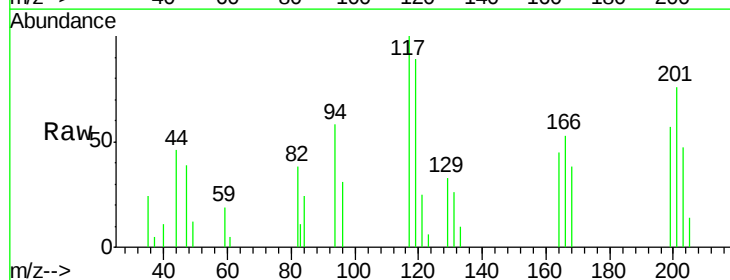
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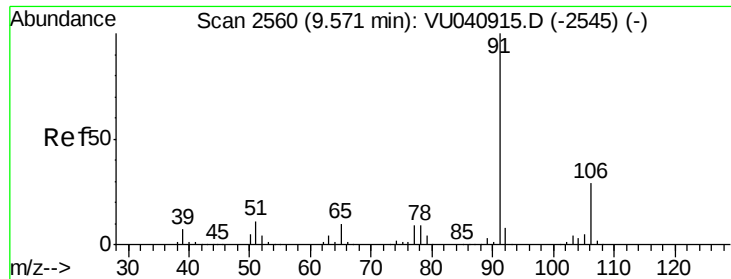
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#62
 Hexachloroethane
 Concen: 0.322 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:117 Resp: 4030
 Ion Ratio Lower Upper
 117 100
 201 70.6 52.6 78.8





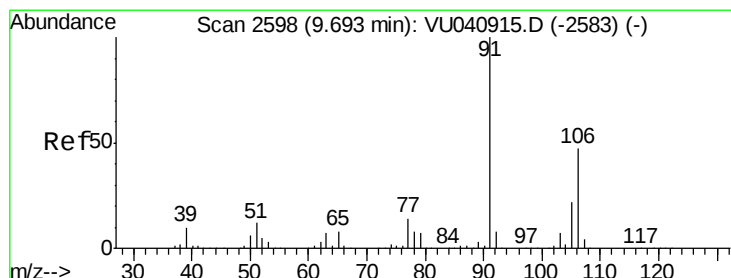
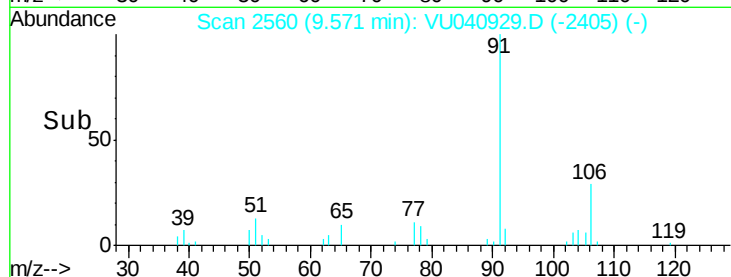
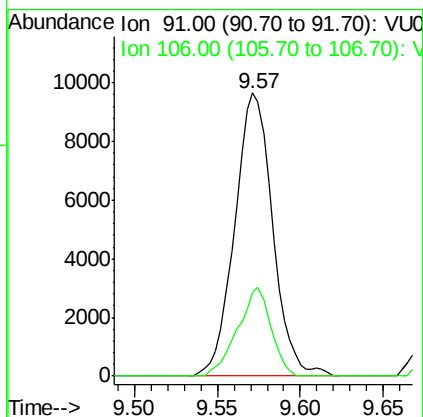
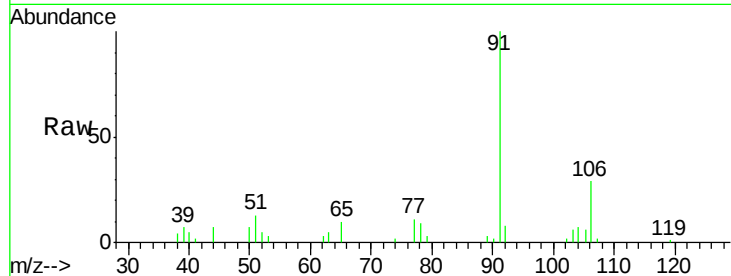
#63
Ethyl Benzene
Concen: 0.239 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion: 91 Resp: 15343
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3

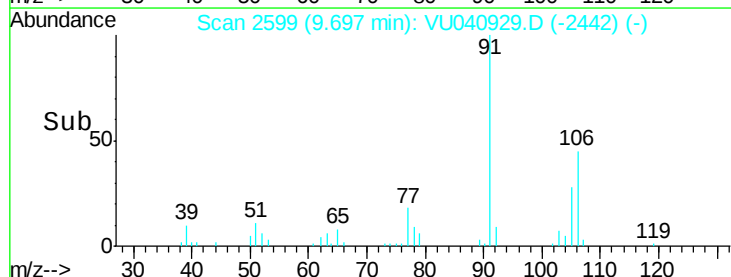
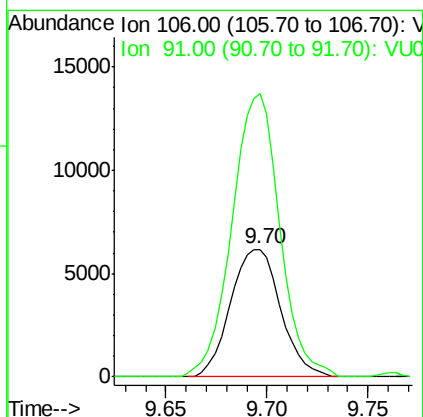
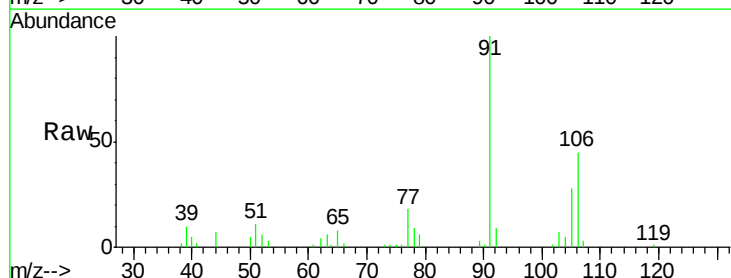
Manual Integrations
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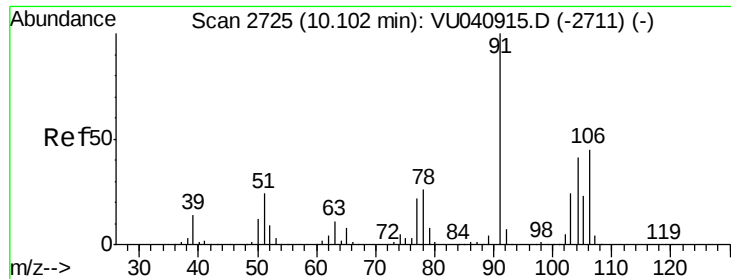
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#64
m/p-Xylenes
Concen: 0.802 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 106 Resp: 10713
Ion Ratio Lower Upper
106 100
91 212.0 168.3 252.5





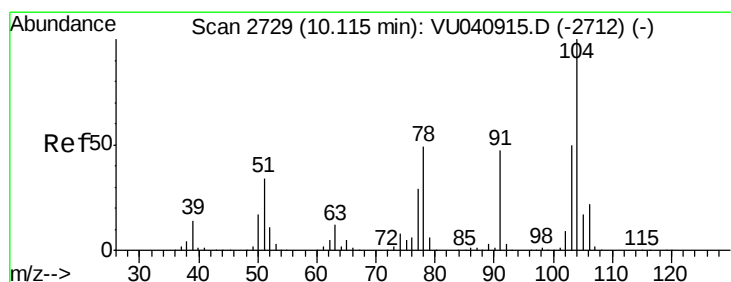
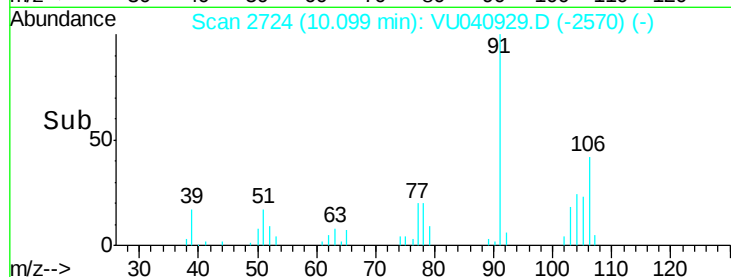
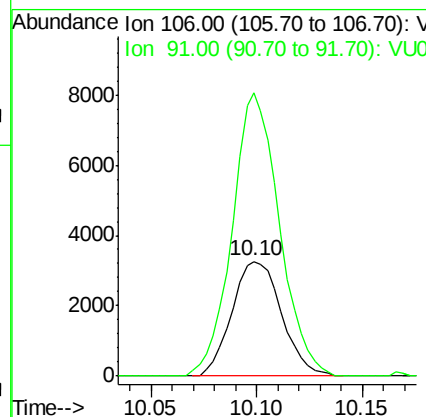
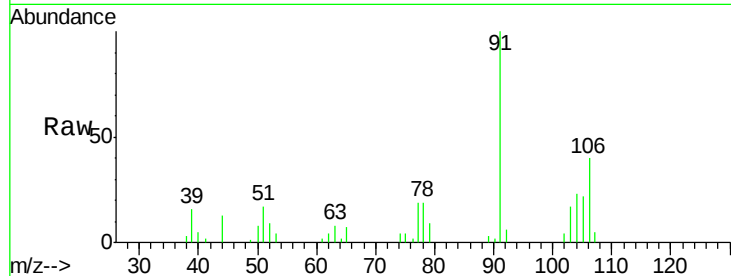
#65
o-Xylene
Concen: 0.236 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:106 Resp: 5326
Ion Ratio Lower Upper
106 100
91 234.2 111.3 333.9

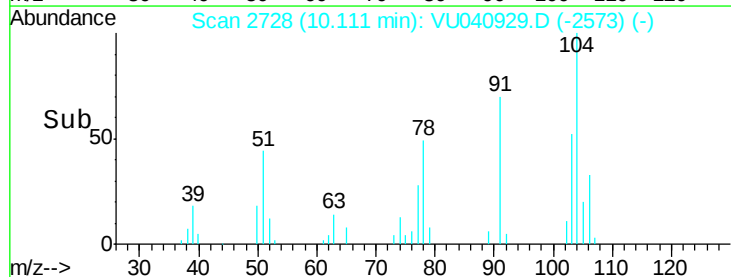
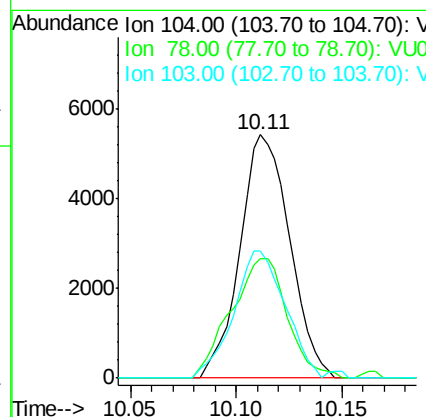
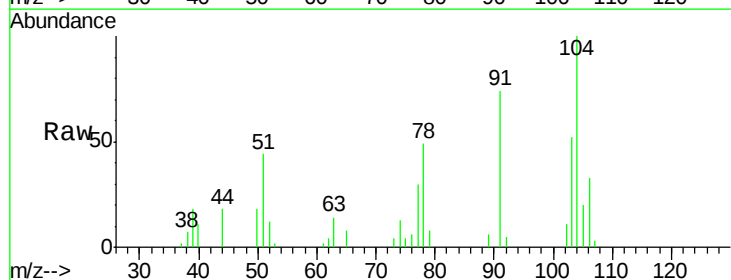
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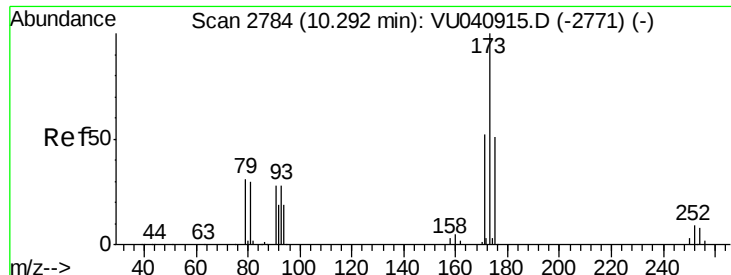
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#66
Styrene
Concen: 0.448 ug/l
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:104 Resp: 8903
Ion Ratio Lower Upper
104 100
78 55.4 43.4 65.0
103 53.7 43.1 64.7





#67

Bromoform

Concen: 0.303 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:173 Resp: 2632

Ion Ratio Lower Upper

173 100

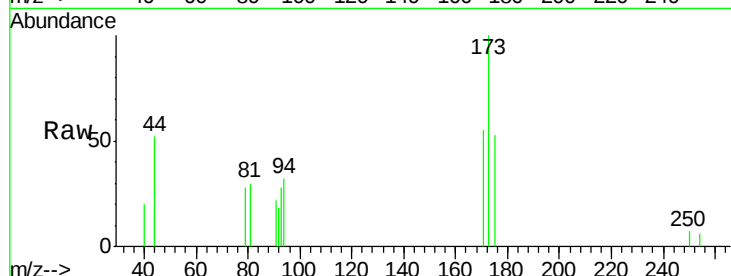
175 60.3 39.0 58.4#

254 2.4 6.6 9.8#

Manual Integrations
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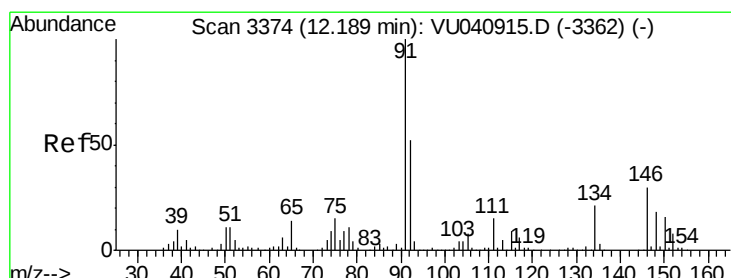
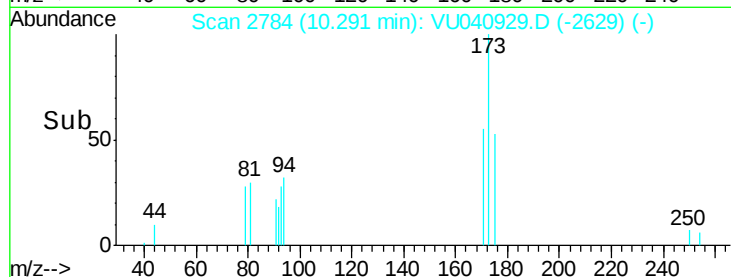
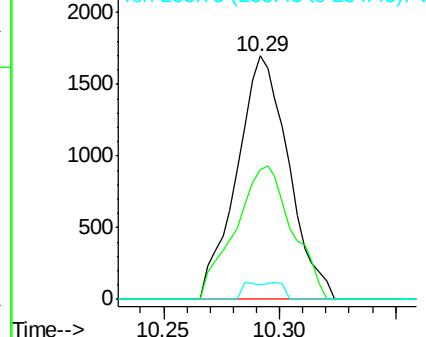
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.852 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

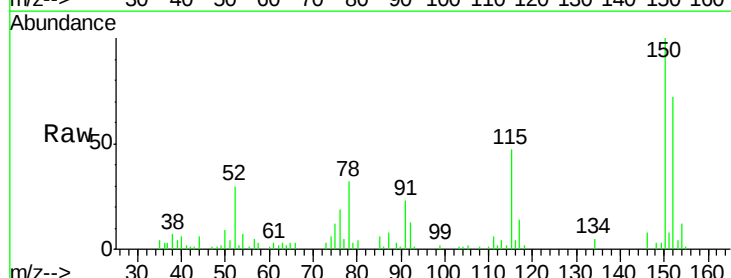
Tgt Ion:152 Resp: 16862

Ion Ratio Lower Upper

152 100

115 70.1 0.0 323.4

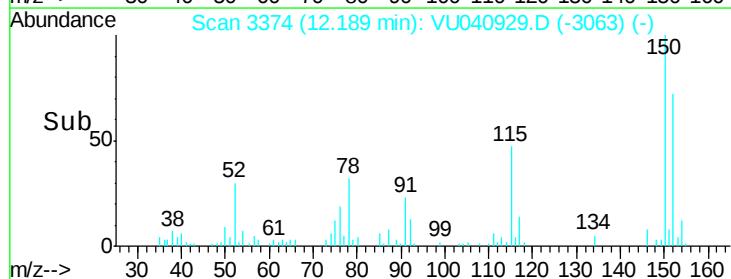
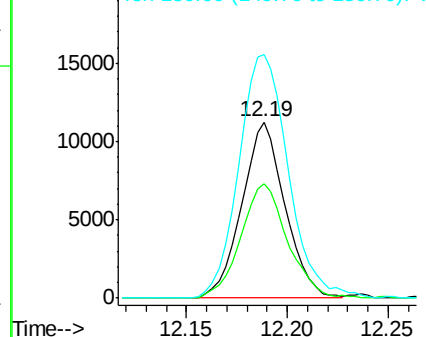
150 158.7 0.0 653.8

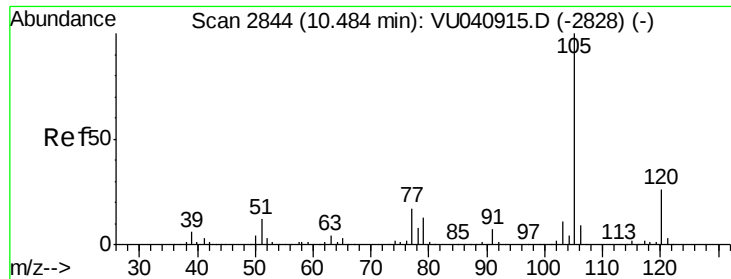


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.218 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 105 Resp: 13097

Ion Ratio Lower Upper

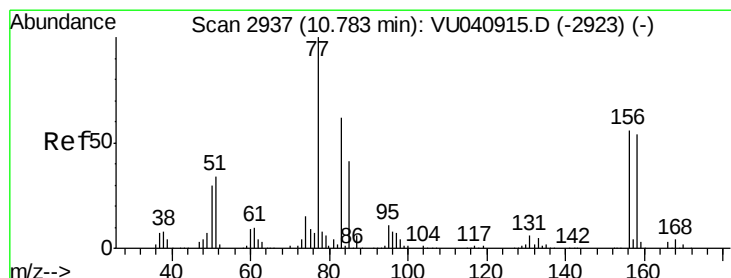
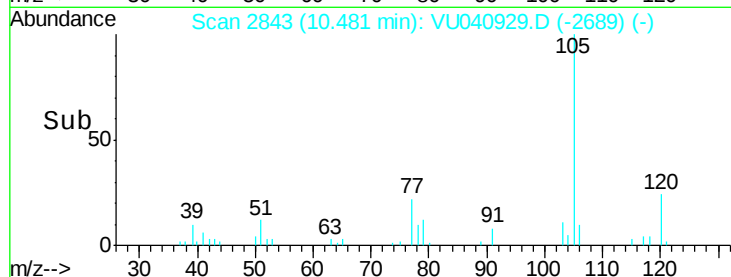
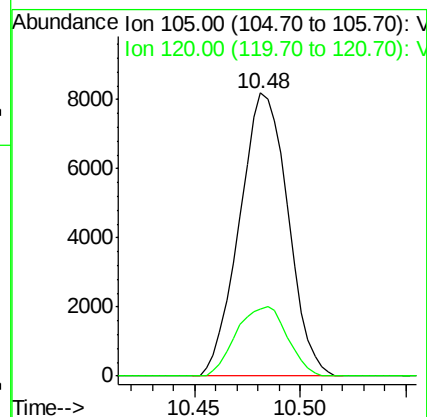
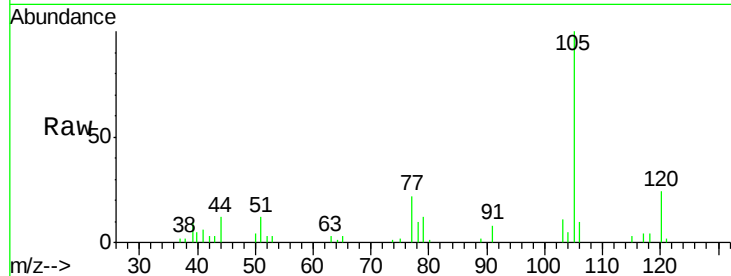
105 100

120 25.7 12.9 38.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.333 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

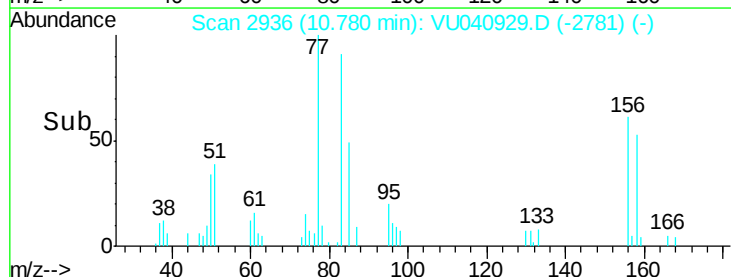
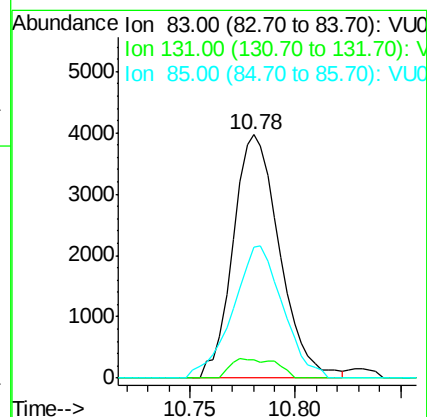
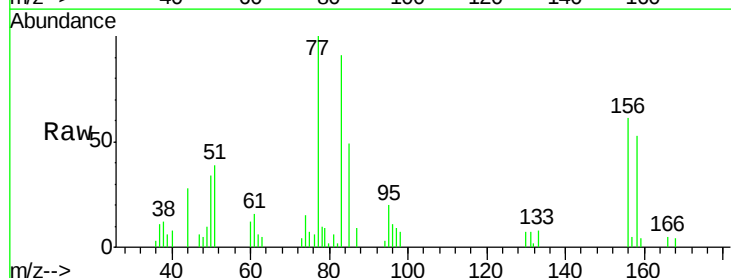
Tgt Ion: 83 Resp: 6072

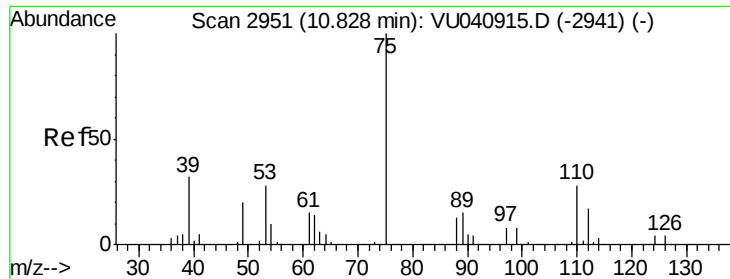
Ion Ratio Lower Upper

83 100

131 7.8 7.1 10.7

85 58.4 51.8 77.6





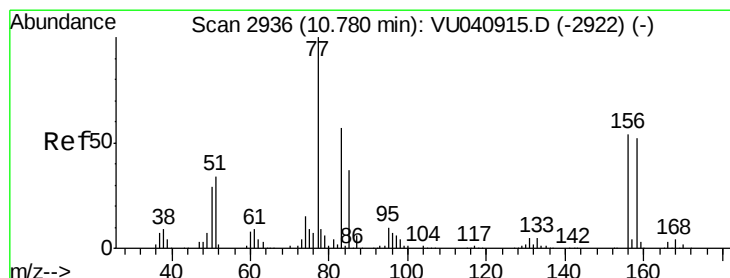
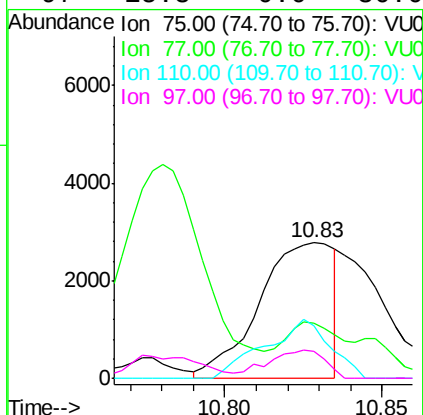
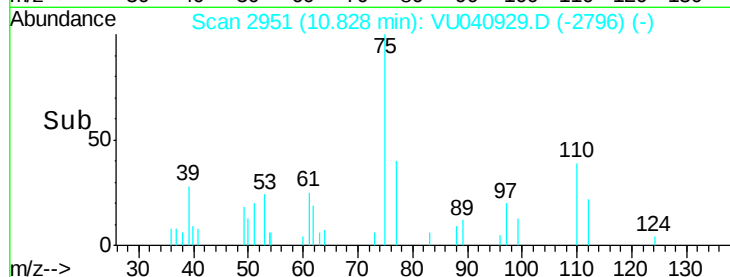
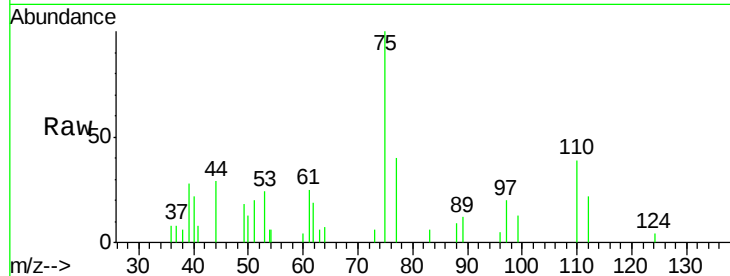
#71
1,2,3-Trichloropropane
Concen: 0.333 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	13.9	0.0	110.8
110	37.4	0.0	73.4
97	15.8	0.0	36.0

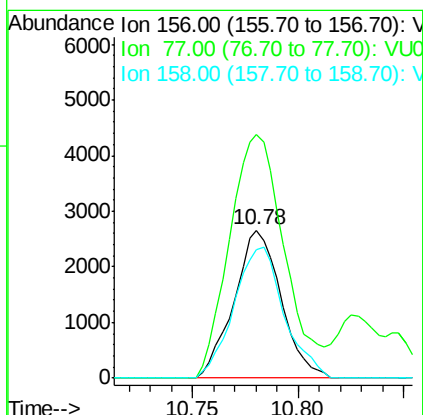
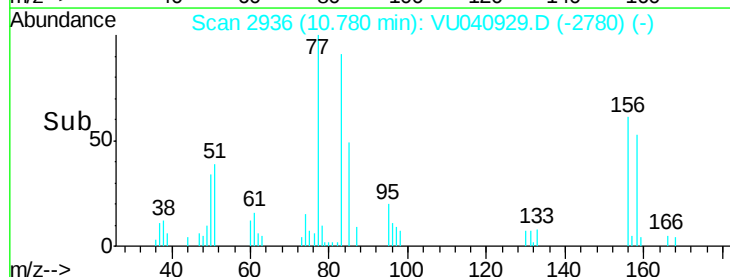
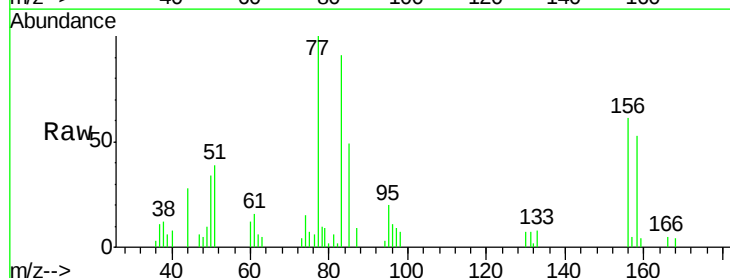
Manual Integrations
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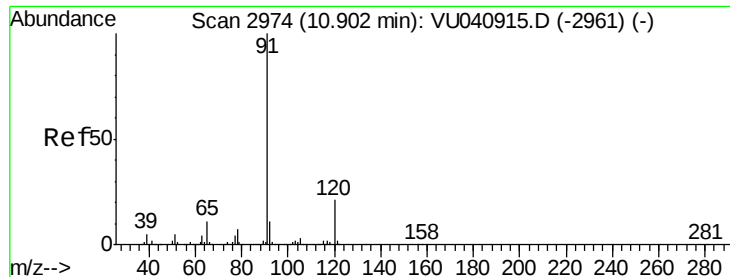
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#72
Bromobenzene
Concen: 0.263 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.8	0.0	370.2
158	94.1	0.0	193.2





#73

n-propylbenzene

Concen: 0.406 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:120 Resp: 3599

Ion Ratio Lower Upper

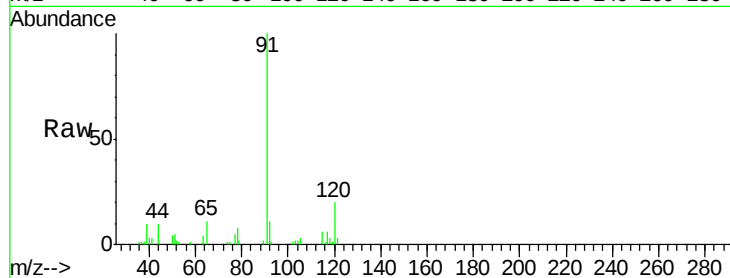
120 100

91 499.0 370.8 556.2

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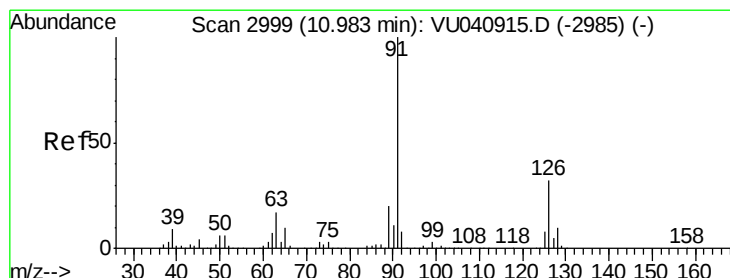
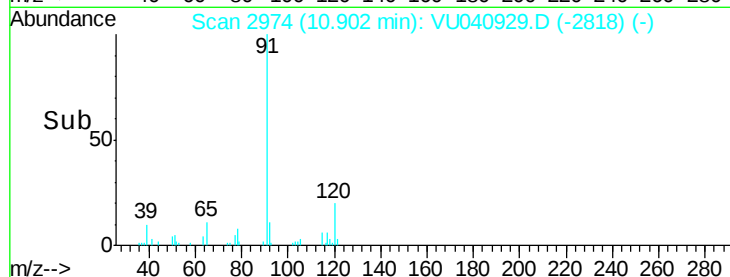
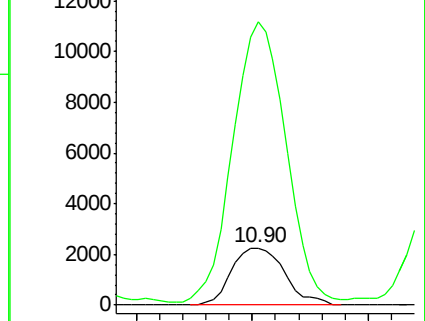
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.223 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040929.D

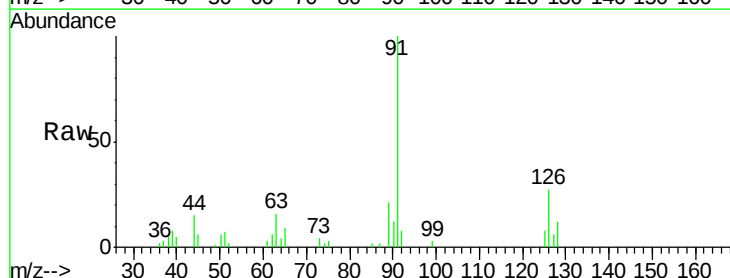
Acq: 23 Oct 2020 11:33

Tgt Ion:126 Resp: 3477

Ion Ratio Lower Upper

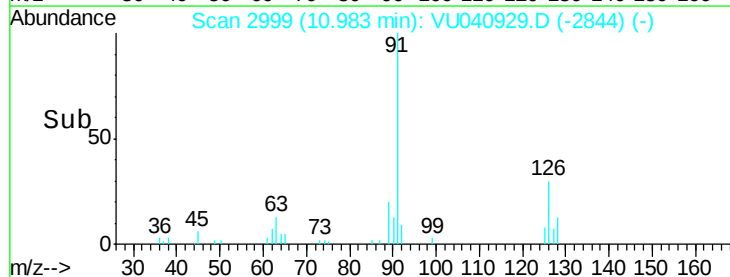
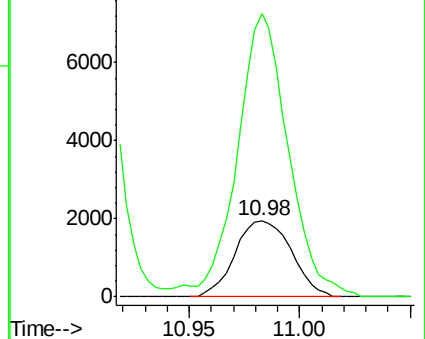
126 100

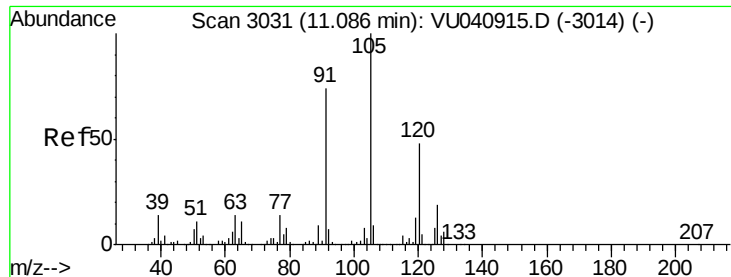
91 337.3 0.0 633.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.409 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 11098

Ion Ratio Lower Upper

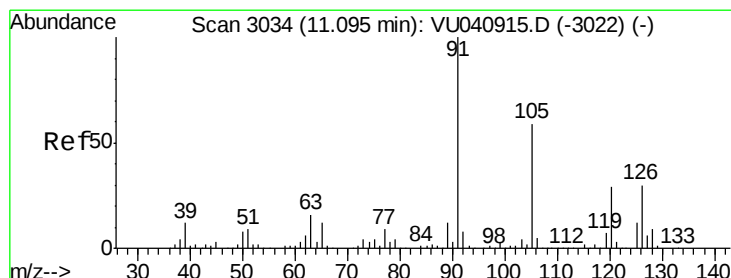
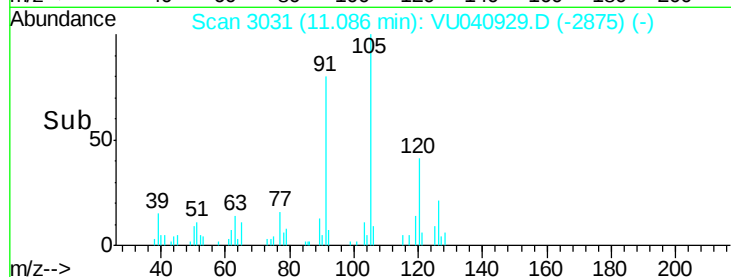
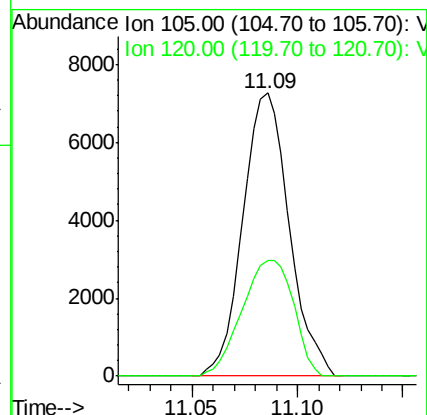
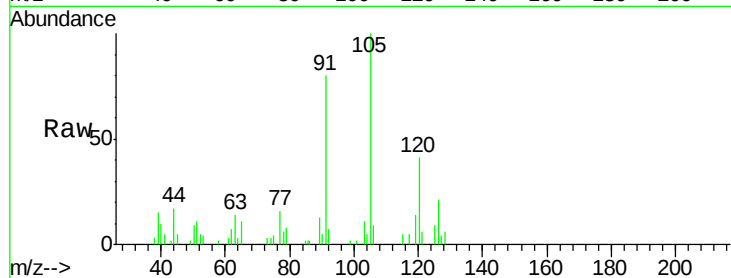
105 100

120 45.7 38.7 58.1

Manual Integrations
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#76

4-Chlorotoluene

Concen: 0.207 ug/l

RT: 11.09 min Scan# 3033

Delta R.T. -0.00 min

Lab File: VU040929.D

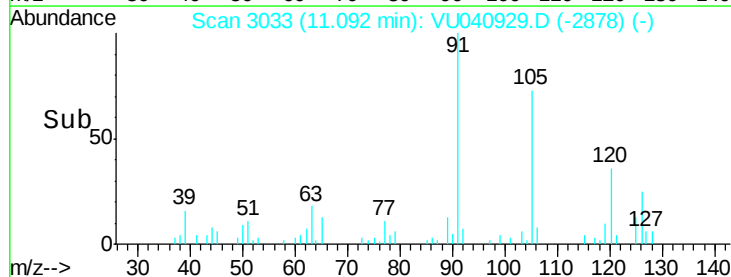
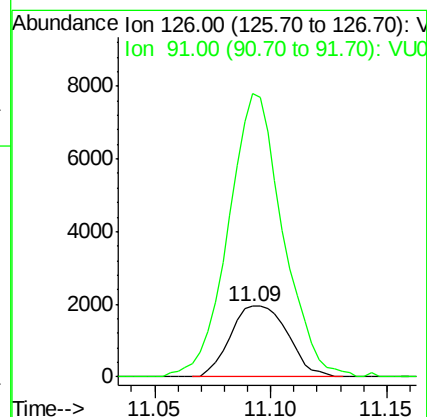
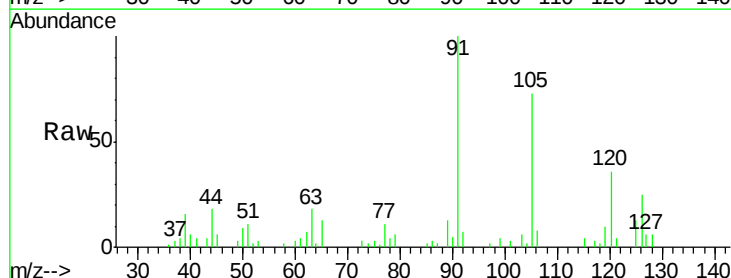
Acq: 23 Oct 2020 11:33

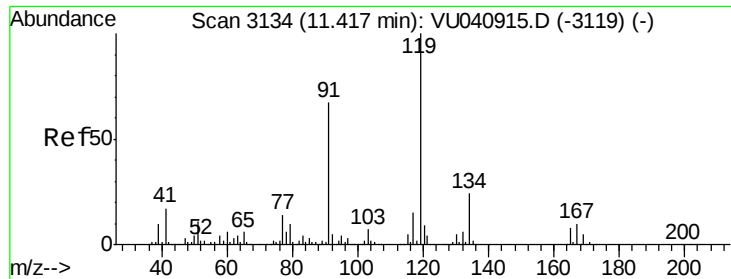
Tgt Ion:126 Resp: 3347

Ion Ratio Lower Upper

126 100

91 379.7 0.0 730.4





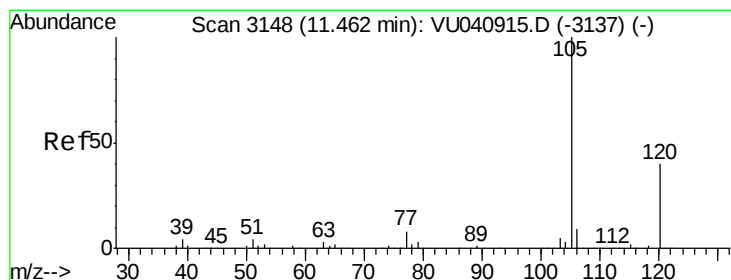
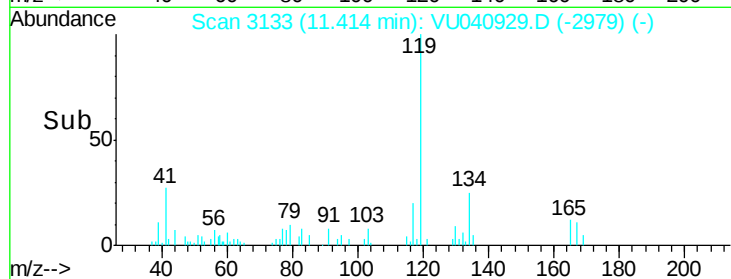
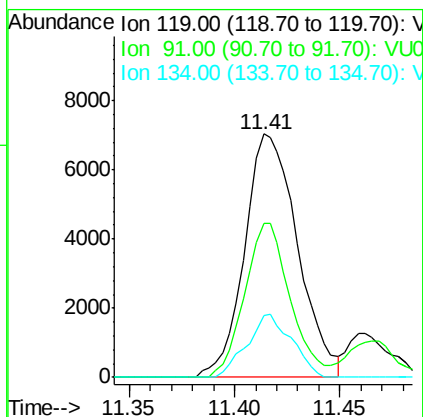
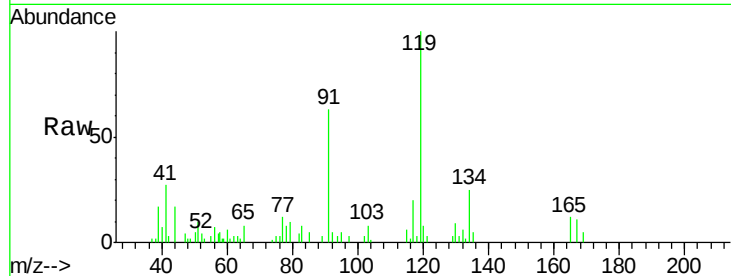
#77
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 11.41 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	32.0	96.2
134	21.8	18.4	27.6

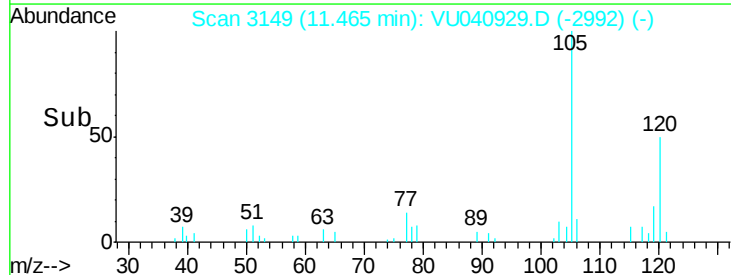
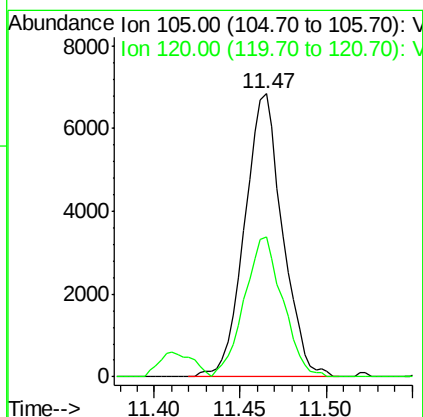
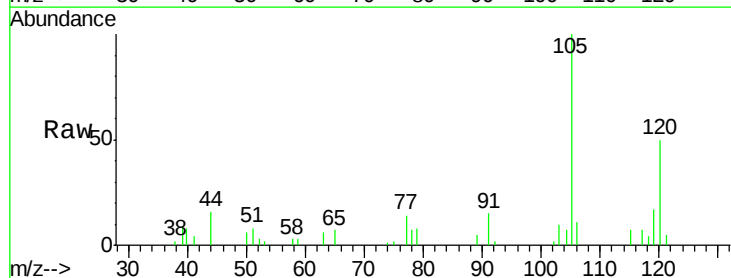
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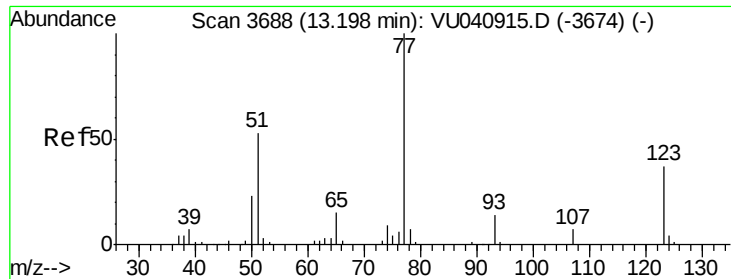
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#78
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 11.47 min Scan# 3149
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	22.6	67.8





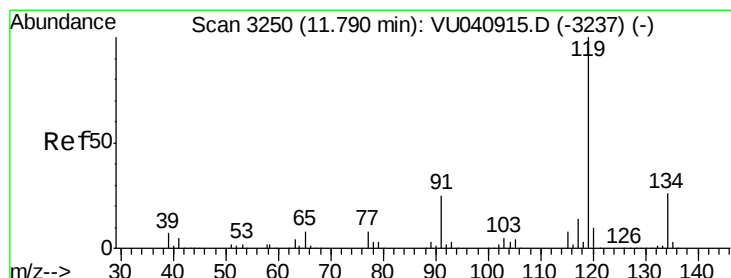
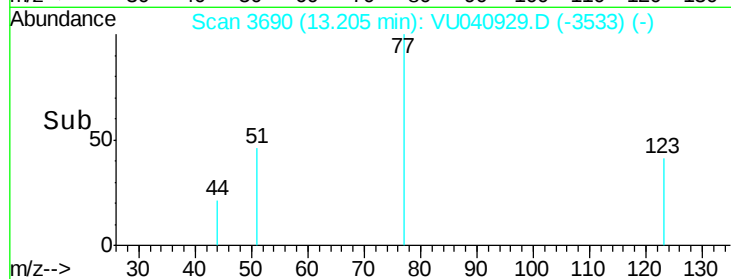
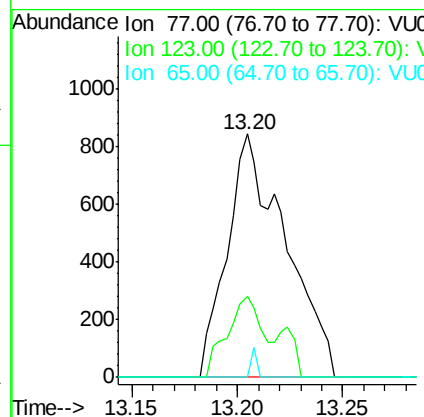
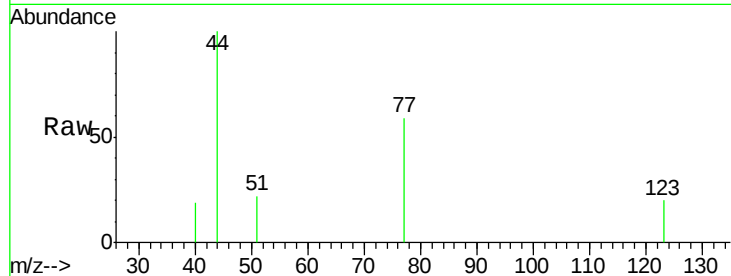
#80
Nitrobenzene
Concen: 1.885 ug/l
RT: 13.20 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
77	100		
123	12.7	16.8	59.4#
65	1.2	11.0	14.0#

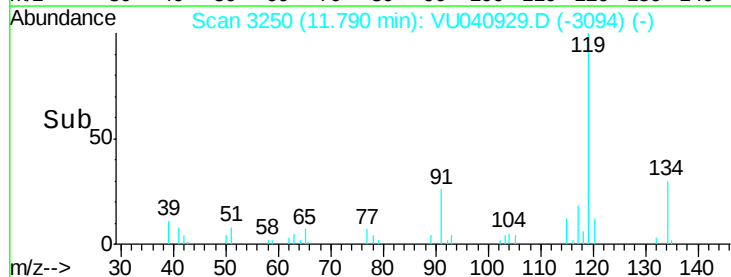
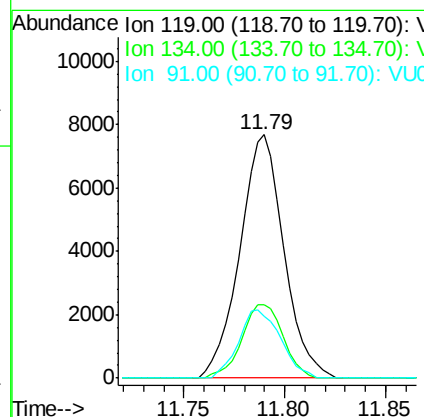
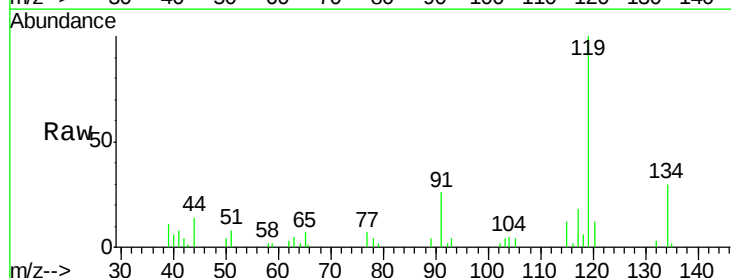
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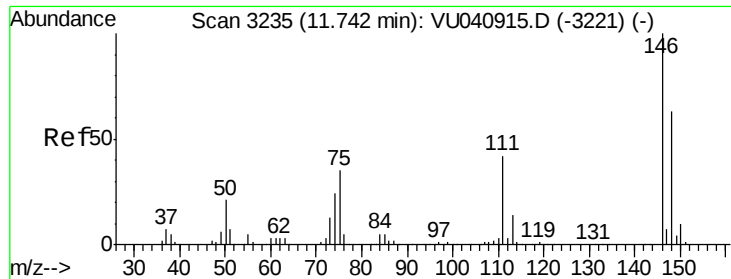
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#81
p-Isopropyltoluene
Concen: 0.453 ug/l
RT: 11.79 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.4	20.4	30.6
91	26.9	20.4	30.6





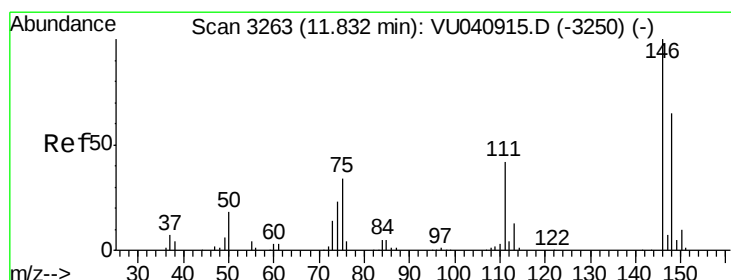
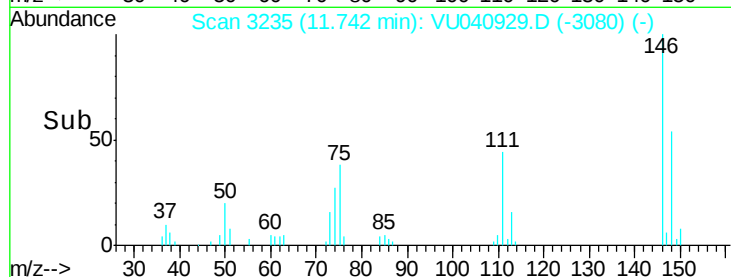
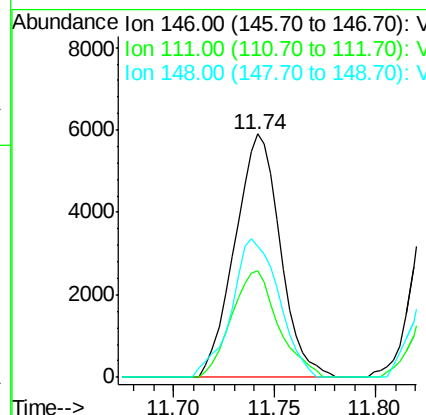
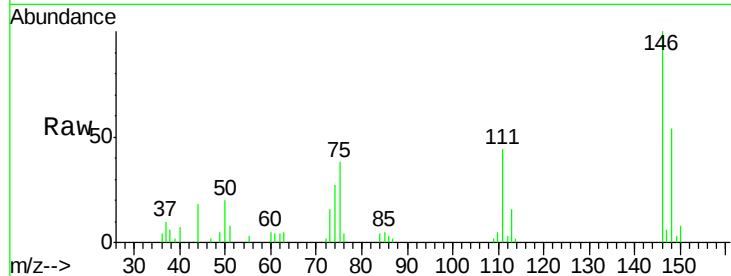
#82
 1,3-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	33.6	50.4
148	59.2	50.1	75.1

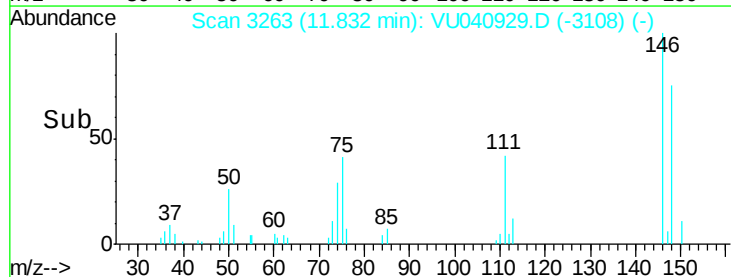
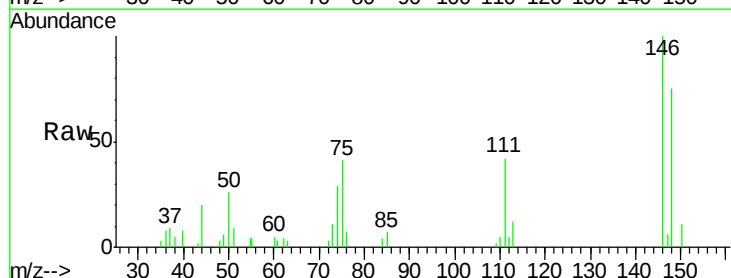
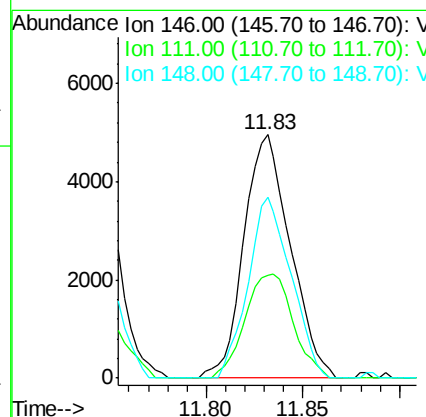
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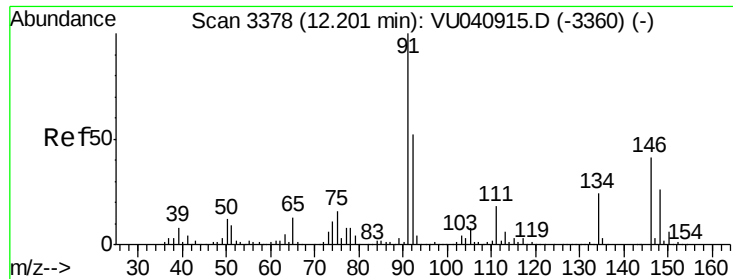
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#83
 1,4-Dichlorobenzene
 Concen: 0.238 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	33.7	50.5
148	69.1	50.6	75.8





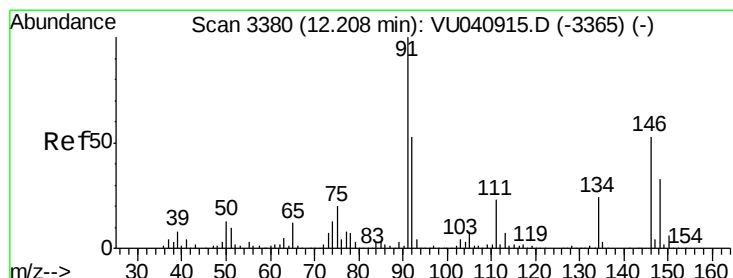
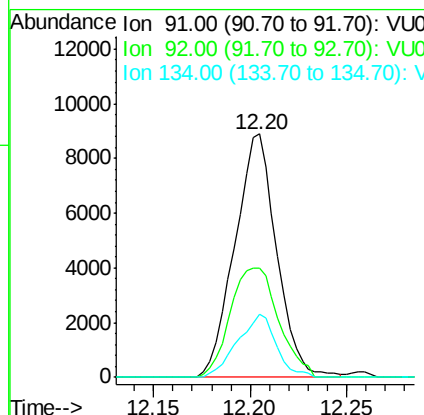
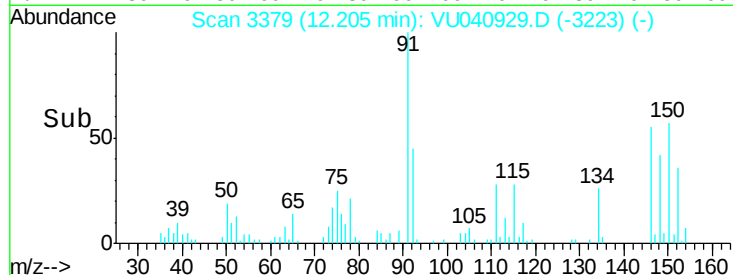
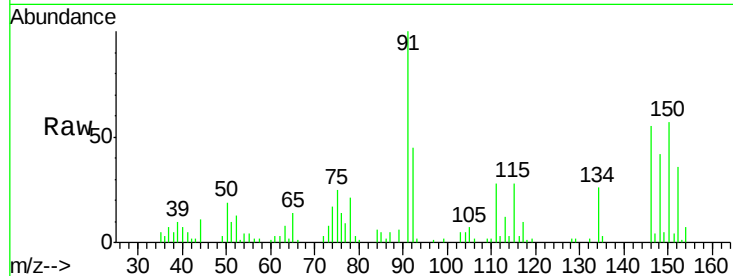
#84
n-Butylbenzene
Concen: 0.227 ug/l
RT: 12.20 min Scan# 3379
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:	91	Resp:	13407
Ion	Ratio	Lower	Upper
91	100		
92	51.9	41.7	62.5
134	24.1	18.6	28.0

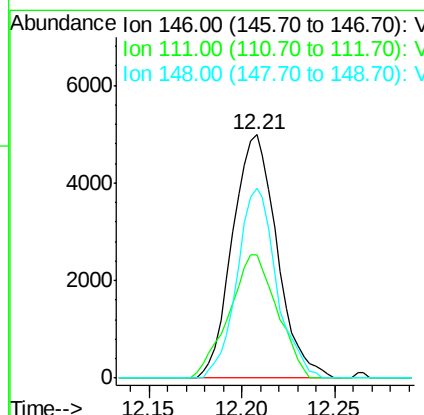
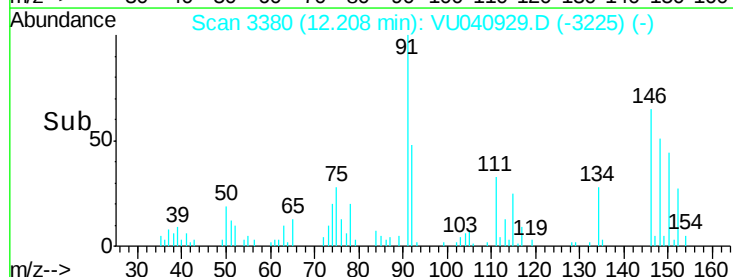
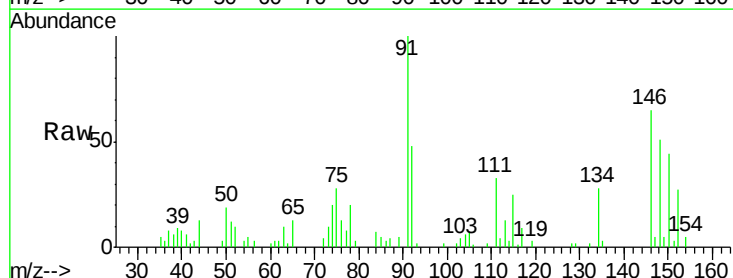
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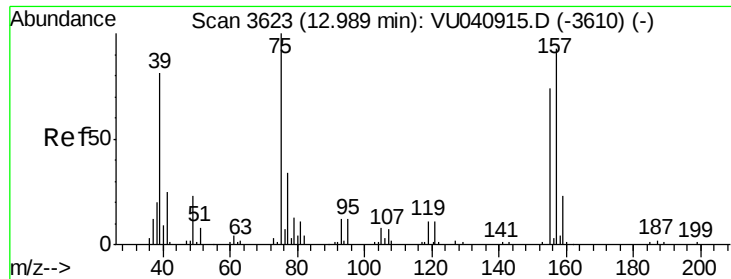
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#85
1,2-Dichlorobenzene
Concen: 0.255 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:	146	Resp:	8344
Ion	Ratio	Lower	Upper
146	100		
111	54.4	22.3	66.9
148	68.9	31.5	94.5





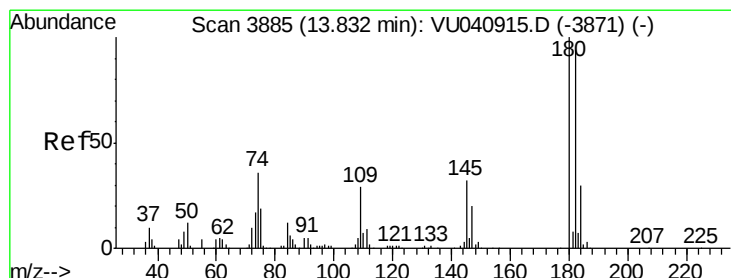
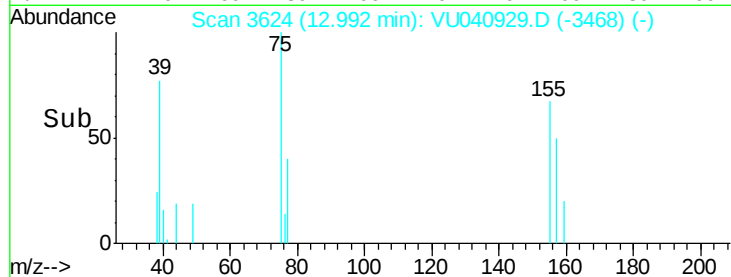
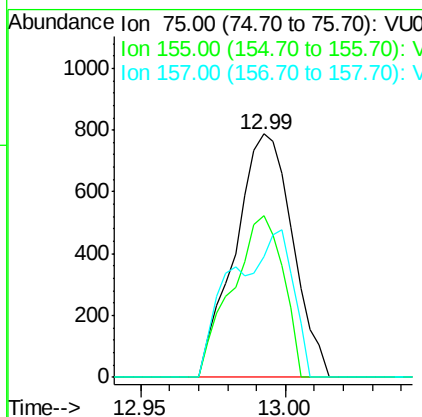
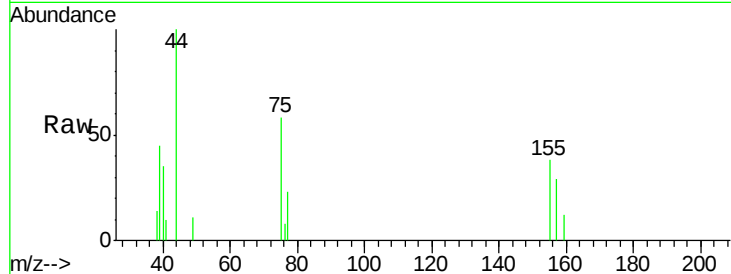
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.319 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion: 75 Resp: 1086
 Ion Ratio Lower Upper
 75 100
 155 58.9 57.1 85.7
 157 32.7 72.4 108.6#

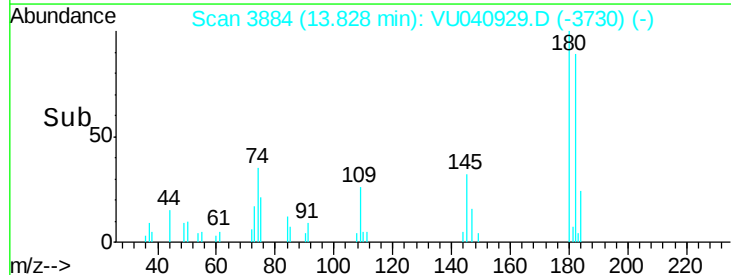
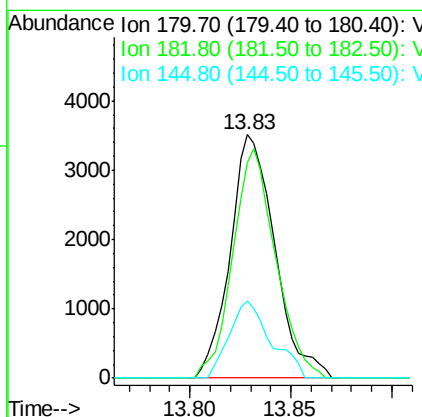
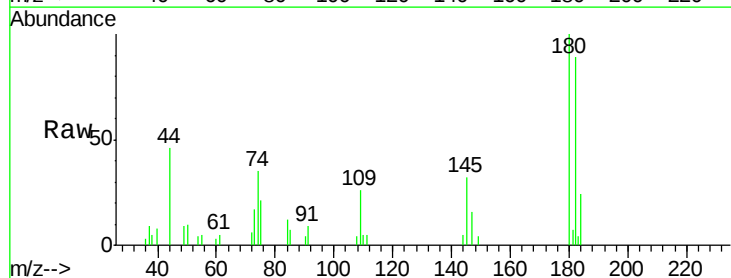
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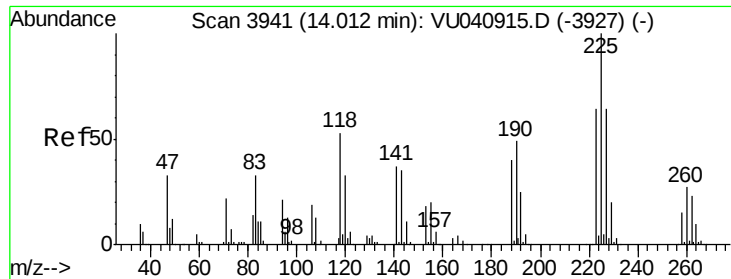
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 180 Resp: 5453
 Ion Ratio Lower Upper
 180 100
 182 90.2 75.4 113.2
 145 29.6 25.4 38.0





#88

Hexachlorobutadiene

Concen: 0.348 ug/l

RT: 14.01 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

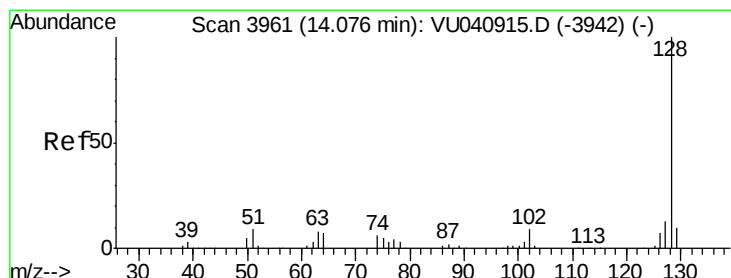
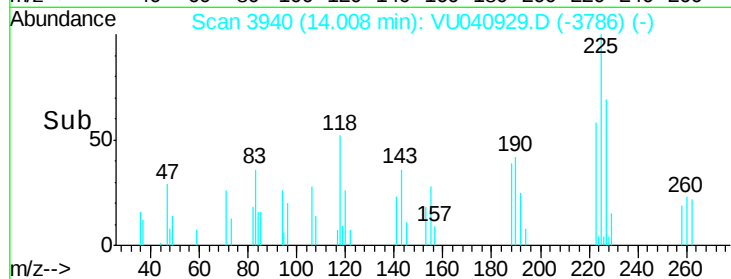
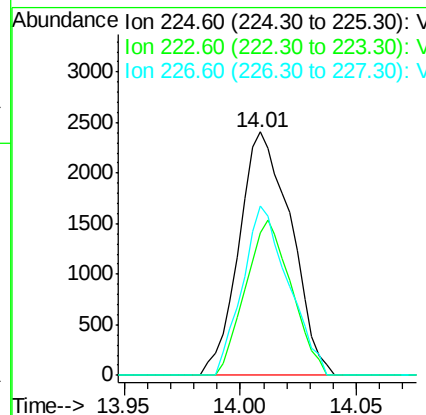
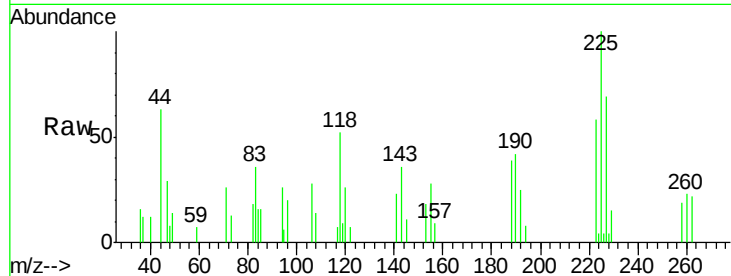
MDL-WATER-03-QT4-2020

Tot Ion:	225	Resp:	3742
Ion Ratio	Lower	Upper	
225	100		
223	56.3	49.9	74.9
227	61.4	51.1	76.7

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#89

Naphthalene

Concen: 0.881 ug/l

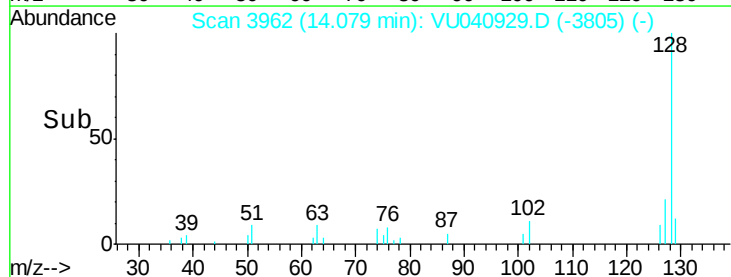
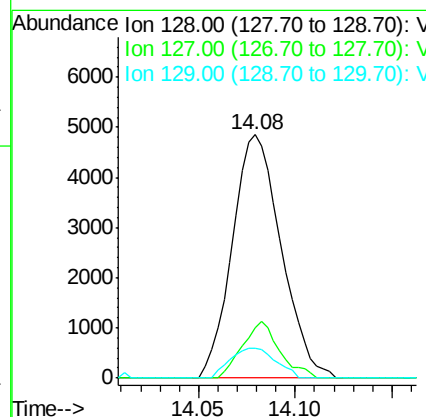
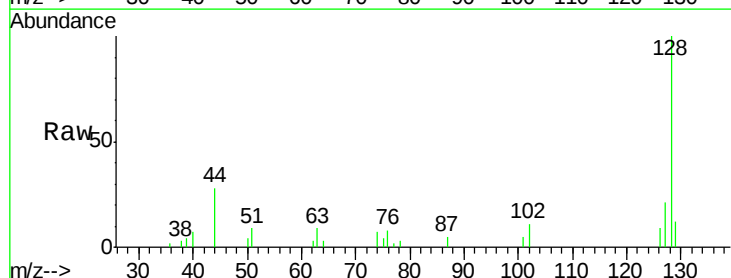
RT: 14.08 min Scan# 3962

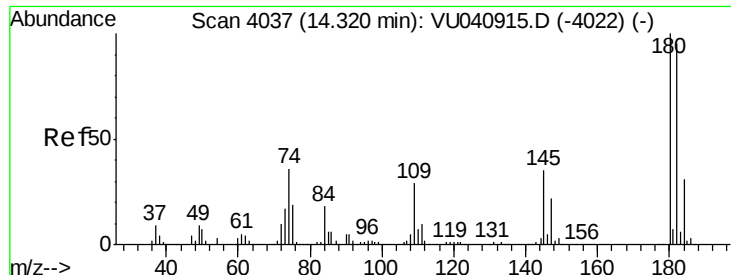
Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	128	Resp:	8504
Ion Ratio	Lower	Upper	
128	100		
127	17.6	10.7	16.1#
129	11.4	8.6	13.0





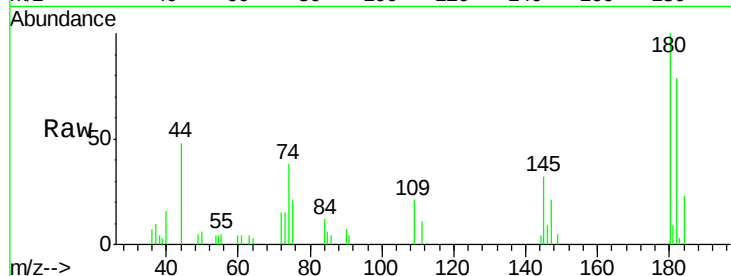
#90
 1,2,3-Trichlorobenzene
 Concen: 0.261 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	76.0	114.0
145	37.7	28.0	42.0

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Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

