

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040921.D
 Acq On : 23 Oct 2020 00:22
 Operator : SY/MD
 Sample : L4214-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 4:15:30 PM

Quant Time: Oct 23 07:40:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	52927	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	14702	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	16656	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	12351	0.500	ug/l	96
3) Chloromethane	1.53	50	13267	0.516	ug/l	99
4) Vinyl Chloride	1.61	62	12139	0.507	ug/l	98
5) Bromomethane	1.87	94	8303	0.590	ug/l	100
6) Chloroethane	1.94	64	8289	0.566	ug/l	95
7) Trichlorofluoromethane	2.15	101	15401	0.509	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8219	0.488	ug/l	95
9) 1,1-Dichloroethene	2.59	96	7289	0.497	ug/l	96
10) Iodomethane	2.74	142	6468	0.455	ug/l	94
11) Allyl Chloride	2.94	41	15532	0.515	ug/l	97
12) Acrylonitrile	3.35	53	5313	1.028	ug/l	96
13) Acetone	2.66	43	12507	2.892	ug/l	91
14) Carbon Disulfide	2.81	76	29508	0.536	ug/l	99
15) Methylene Chloride	3.06	84	12028	0.632	ug/l	95
16) trans-1,2-Dichloroethene	3.37	96	8642	0.521	ug/l	99
17) 1,1-Dichloroethane	3.89	63	17484	0.515	ug/l	98
18) 2-Butanone	4.76	43	17406	2.488	ug/l	96
19) Cyclohexane	5.39	56	15922m	0.499	ug/l	
20) Methylcyclohexane	6.77	83	8825	0.369	ug/l	93
21) 2,2-Dichloropropane	4.68	77	14347	0.501	ug/l	99
22) cis-1,2-Dichloroethene	4.68	96	8550	0.483	ug/l	88
23) Diethyl Ether	2.39	59	6787	0.469	ug/l	95
24) tert-Butyl Alcohol	3.29	59	7481m	4.634	ug/l	
25) Methyl tert-Butyl Ether	3.39	73	22356	0.492	ug/l #	78
26) Bromochloromethane	4.99	128	3636	0.473	ug/l	88
27) Chloroform	5.11	83	16550	0.510	ug/l	95
28) 1,1,1-Trichloroethane	5.33	97	14425	0.516	ug/l	97
29) 1,1-Dichloropropene	5.53	75	12423	0.507	ug/l	95
30) Carbon Tetrachloride	5.53	117	12666	0.501	ug/l	96
31) Isopropyl Ether	4.02	45	24737	0.471	ug/l	84
32) Ethyl-t-butyl ether	4.53	59	22240	0.481	ug/l	100
33) Tert-Amyl methyl ether	5.96	73	14432	0.419	ug/l	98
34) Propionitrile	4.82	54	4999m	2.602	ug/l	
35) Benzene	5.79	78	31270	0.461	ug/l	97
36) 1,2-Dichloroethane	5.81	62	13392	0.532	ug/l	100
37) Trichloroethene	6.56	130	7526	0.469	ug/l	99
38) 1,2-Dichloropropane	6.80	63	8844	0.459	ug/l	99
39) Methacrylonitrile	5.00	41	5672	0.630	ug/l #	83
40) Methyl acrylate	4.87	55	5843	0.473	ug/l #	92
41) Tetrahydrofuran	5.09	42	6234	1.346	ug/l #	68
42) 1-Chlorobutane	5.47	56	18047	0.487	ug/l	98

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 MSVOA_U
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 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

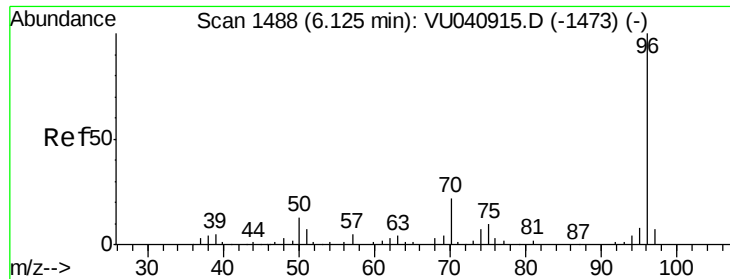
MMDadoda
 10/26/2020 4:15:30 PM

Quant Time: Oct 23 07:40:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.93	93	5270	0.488	ug/l	90
44) Bromodichloromethane	7.12	83	12468	0.497	ug/l #	98
45) 4-Methyl-2-Pentanone	7.81	43	26969	1.903	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	4522m	0.807	ug/l	
47) Methyl methacrylate	6.98	69	6746	0.748	ug/l	92
48) Ethyl methacrylate	8.34	69	5548	0.366	ug/l	93
49) Toluene	7.97	92	13835	0.370	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	8603	0.397	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	9253	0.390	ug/l #	88
52) 1,1,2-Trichloroethane	8.41	97	6899	0.505	ug/l	97
53) 1,3-Dichloropropane	8.58	76	10557	0.431	ug/l	95
54) 2-Hexanone	8.70	43	19308	1.950	ug/l	92
55) Dibromochloromethane	8.82	129	7351	0.449	ug/l	94
56) 1,2-Dibromoethane	8.93	107	5840	0.461	ug/l	96
58) Tetrachloroethene	8.56	164	6687	0.446	ug/l	96
59) Chlorobenzene	9.45	112	16401	0.415	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.54	131	6820	0.439	ug/l	93
61) Pentachloroethane	11.42	117	5530	0.441	ug/l	86
62) Hexachloroethane	12.47	117	6033	0.472	ug/l	95
63) Ethyl Benzene	9.57	91	22554	0.344	ug/l	97
64) m/p-Xylenes	9.69	106	16268	0.652	ug/l	98
65) o-Xylene	10.10	106	7165	0.312	ug/l	86
66) Styrene	10.11	104	12508	0.308	ug/l	98
67) Bromoform	10.29	173	3697	0.417	ug/l	95
69) Isopropylbenzene	10.48	105	19538	0.319	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.78	83	9429	0.508	ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	5923m	0.418	ug/l	
72) Bromobenzene	10.78	156	6325	0.396	ug/l	96
73) n-propylbenzene	10.91	120	5155	0.294	ug/l	83
74) 2-Chlorotoluene	10.98	126	5351	0.336	ug/l	100
75) 1,3,5-Trimethylbenzene	11.09	105	16927	0.309	ug/l	98
76) 4-Chlorotoluene	11.09	126	5582	0.338	ug/l	94
77) tert-Butylbenzene	11.42	119	16979	0.328	ug/l	94
78) 1,2,4-Trimethylbenzene	11.47	105	16100	0.287	ug/l	98
79) sec-Butylbenzene	11.64	105	23301	0.324	ug/l	99
80) Nitrobenzene	13.20	77	2062	2.347	ug/l #	83
81) p-Isopropyltoluene	11.79	119	16436	0.278	ug/l	95
82) 1,3-Dichlorobenzene	11.74	146	13239	0.380	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	12220	0.347	ug/l	96
84) n-Butylbenzene	12.20	91	18577	0.308	ug/l	95
85) 1,2-Dichlorobenzene	12.20	146	13400	0.402	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1732	0.500	ug/l	87
87) 1,2,4-Trichlorobenzene	13.83	180	7046	0.360	ug/l	98
88) Hexachlorobutadiene	14.01	225	4687	0.427	ug/l	93
89) Naphthalene	14.08	128	12631	0.334	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	6887	0.362	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

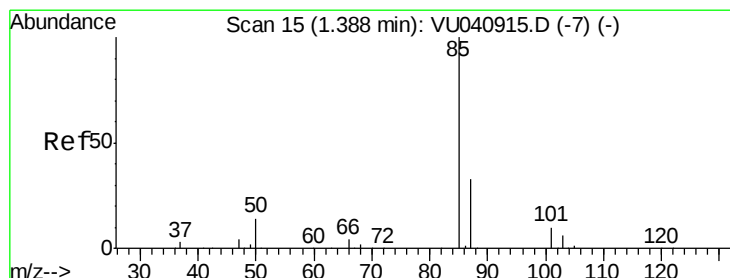
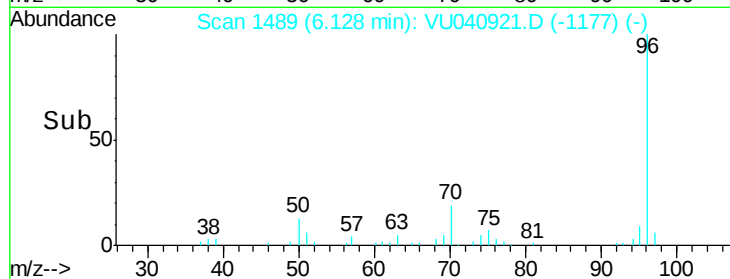
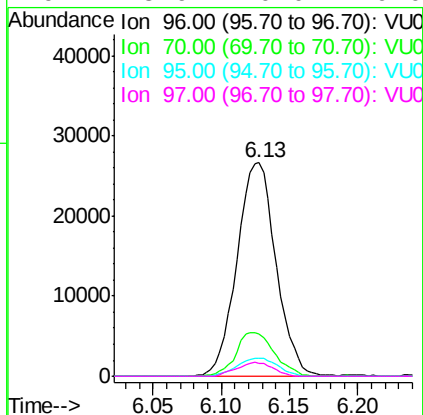
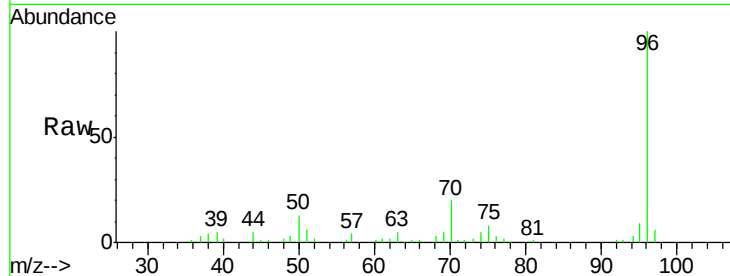
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	96	Resp:	52927
Ion Ratio	Lower	Upper	
96	100		
70	20.2	16.3	24.5
95	8.7	7.3	10.9
97	5.9	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.500 ug/l

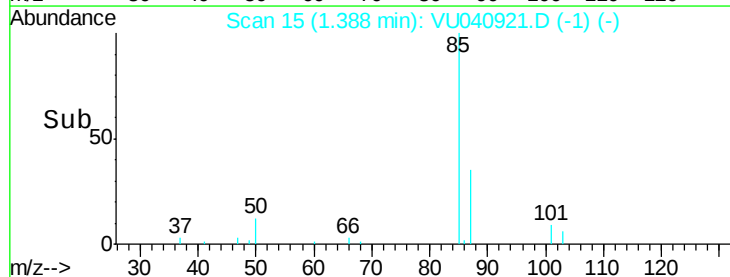
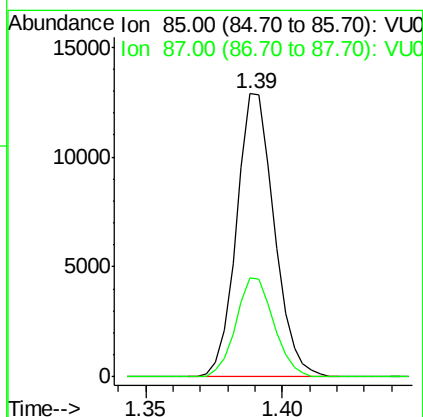
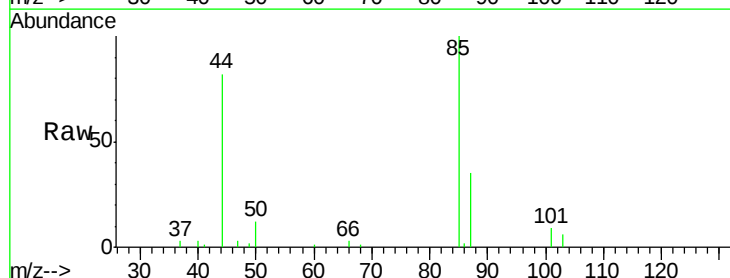
RT: 1.39 min Scan# 15

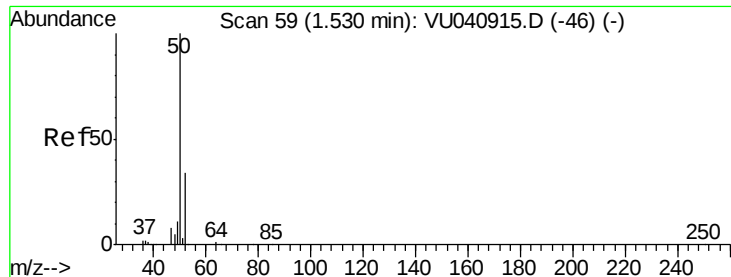
Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion:	85	Resp:	12351
Ion Ratio	Lower	Upper	
85	100		
87	35.1	16.5	49.5





#3

Chloromethane

Concen: 0.516 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 13267

Ion Ratio Lower Upper

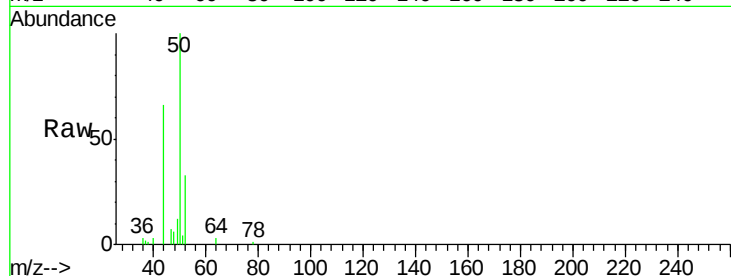
50 100

52 33.2 26.9 40.3

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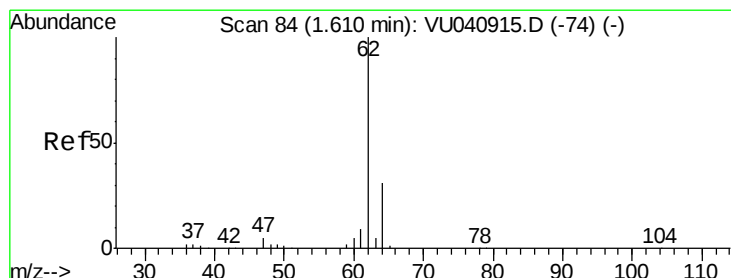
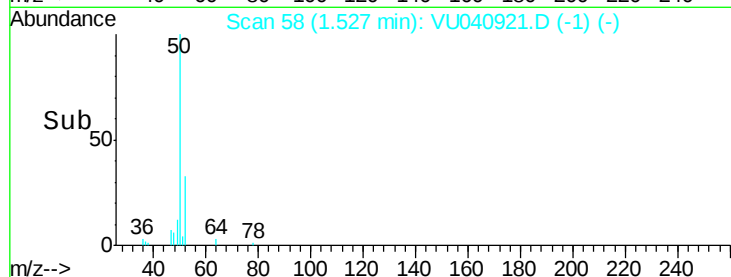
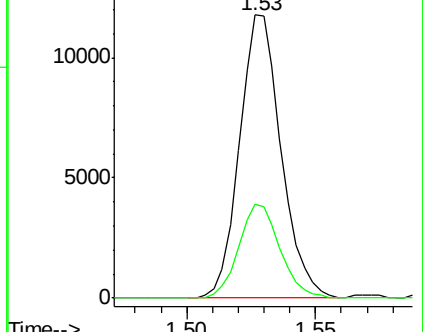
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Abundance Ion 50.00 (49.70 to 50.70): VU040921.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040921.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.507 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040921.D

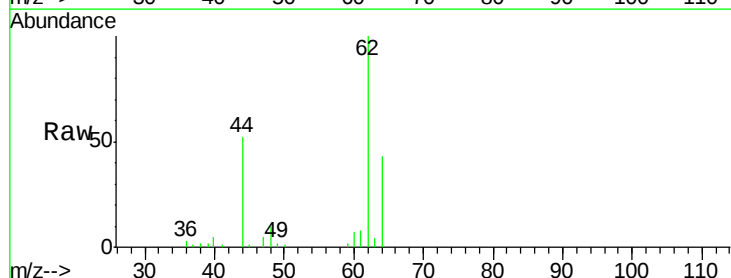
Acq: 23 Oct 2020 00:22

Tgt Ion: 62 Resp: 12139

Ion Ratio Lower Upper

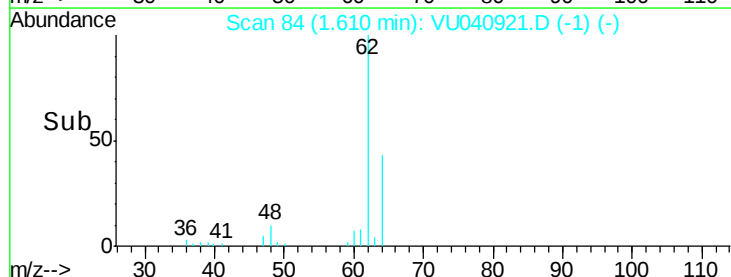
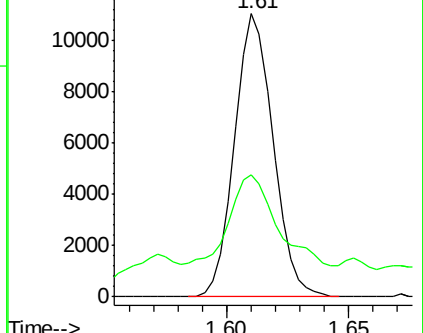
62 100

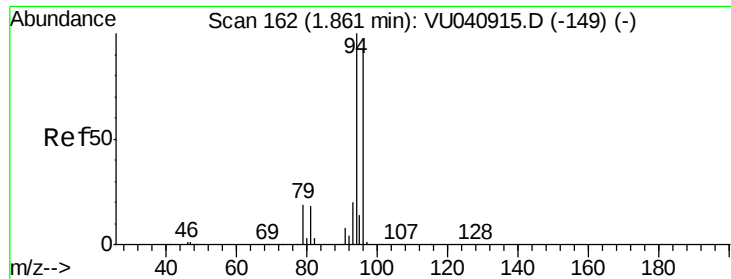
64 32.2 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU040921.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040921.D (-1) (-)





#5

Bromomethane

Concen: 0.590 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 8303

Ion Ratio Lower Upper

94 100

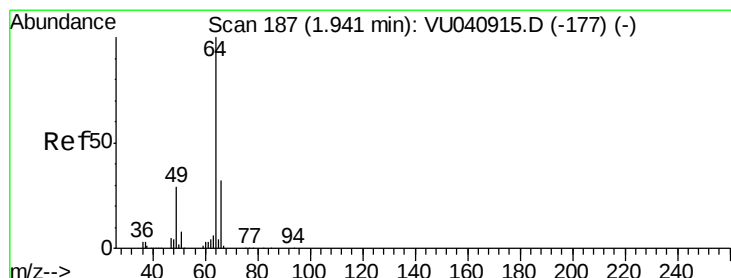
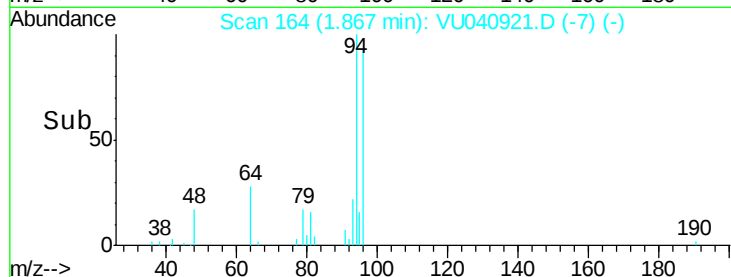
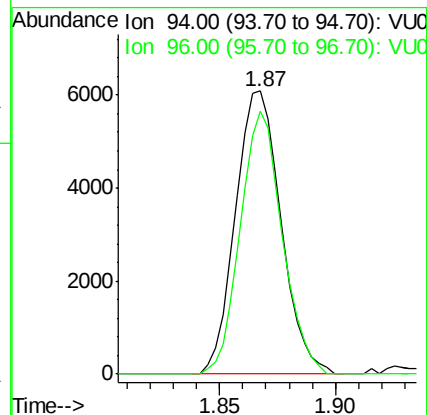
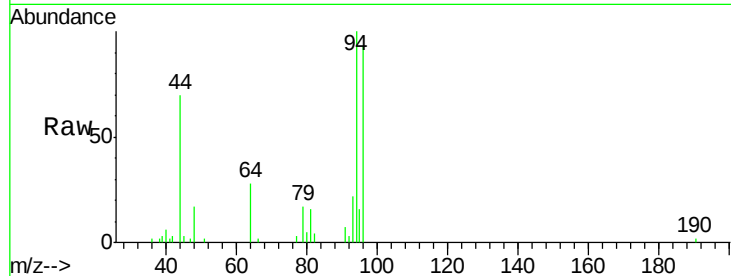
96 92.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 0.566 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040921.D

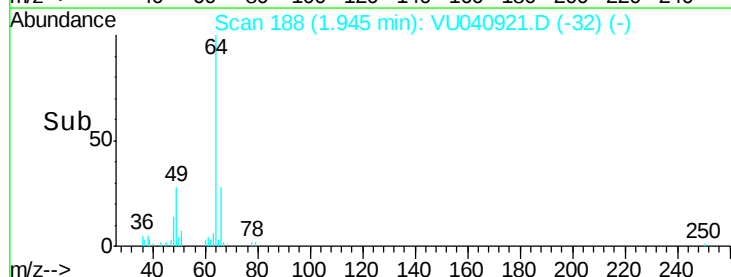
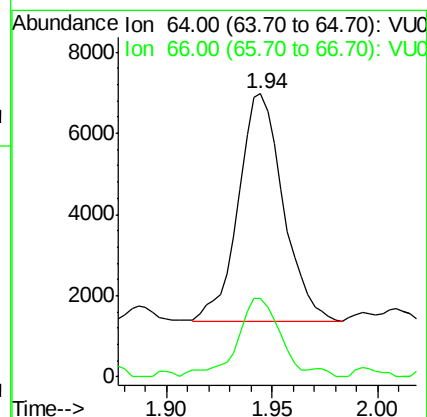
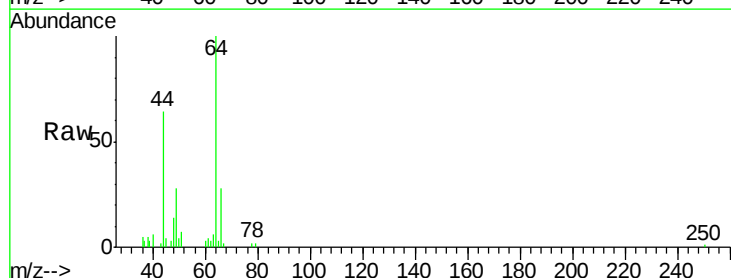
Acq: 23 Oct 2020 00:22

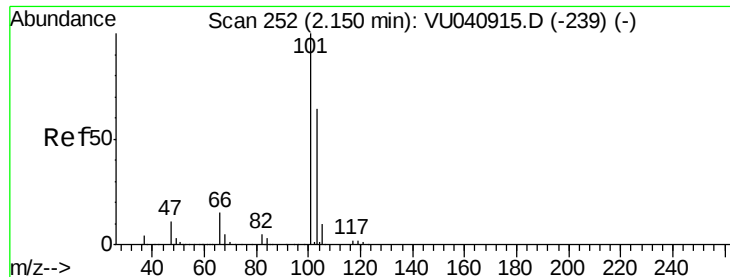
Tgt Ion: 64 Resp: 8289

Ion Ratio Lower Upper

64 100

66 34.8 25.4 38.2





#7

Trichlorofluoromethane

Concen: 0.509 ug/l

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:101 Resp: 15401

Ion Ratio Lower Upper

101 100

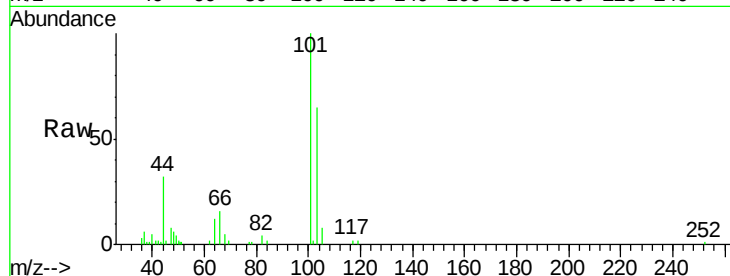
103 65.4 51.5 77.3

Manual Integrations

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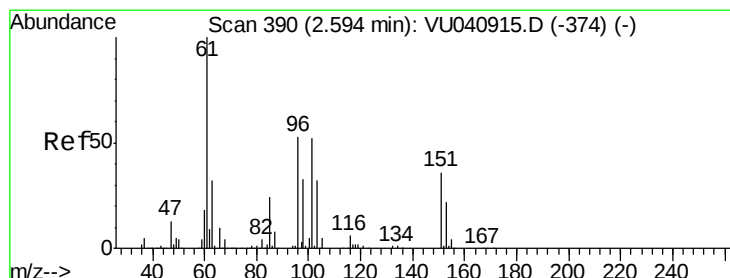
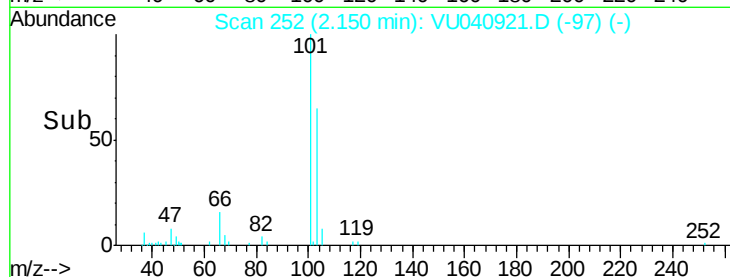
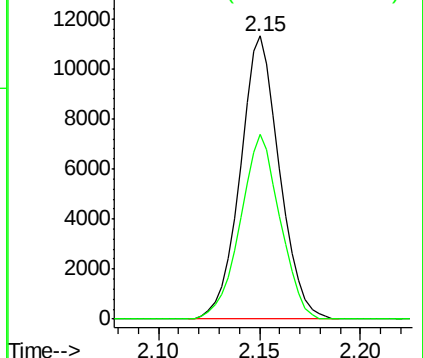
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.488 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

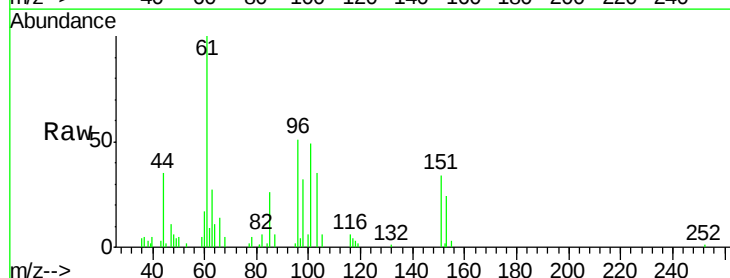
Tgt Ion:101 Resp: 8219

Ion Ratio Lower Upper

101 100

85 50.4 36.2 54.2

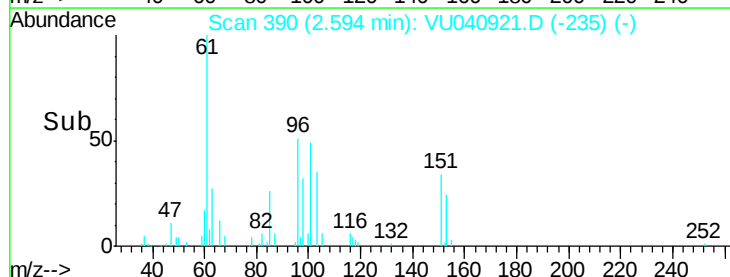
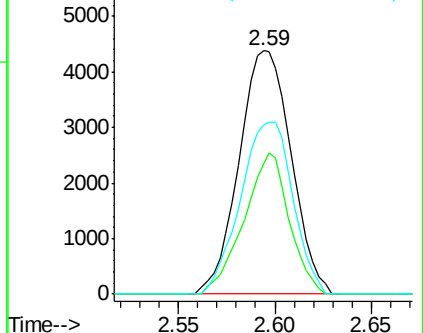
151 71.2 55.1 82.7

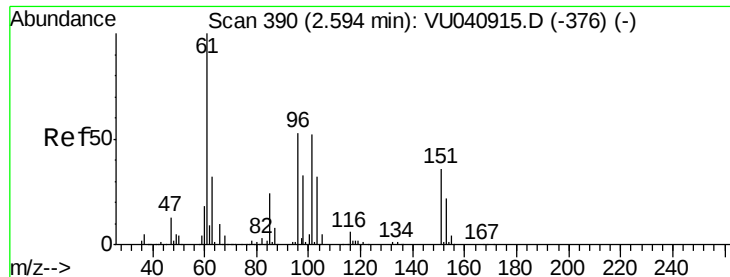


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.497 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

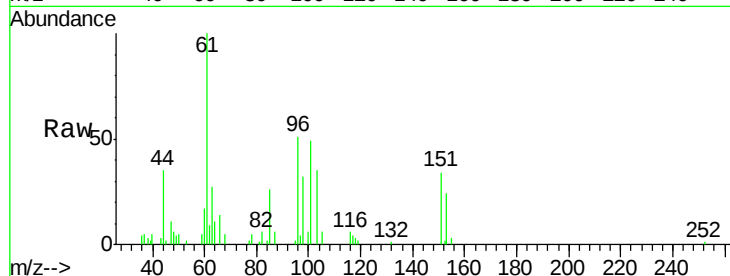
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	96	Resp:	7289
Ion	Ratio	Lower	Upper
96	100		
61	195.7	0.0	561.9
98	62.1	0.0	125.0

Manual Integrations
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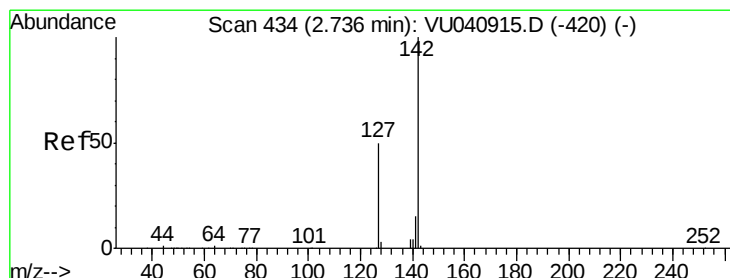
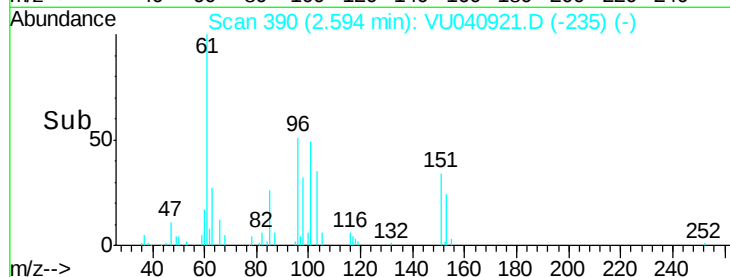
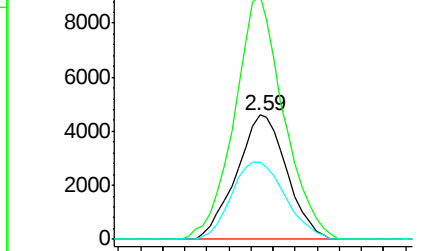
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Abundance Ion 96.00 (95.70 to 96.70): VU040921.D (-235) (-)

Ion 61.00 (60.70 to 61.70): VU040921.D (-235) (-)

Ion 98.00 (97.70 to 98.70): VU040921.D (-235) (-)



#10

Iodomethane

Concen: 0.455 ug/l

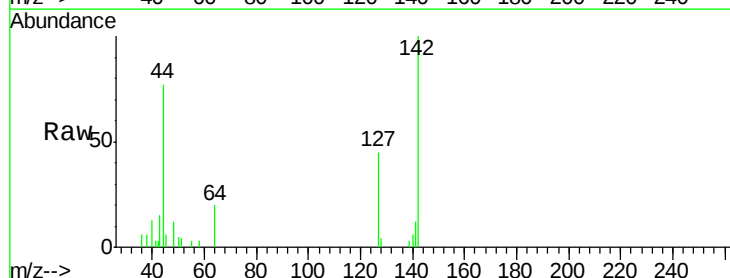
RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040921.D

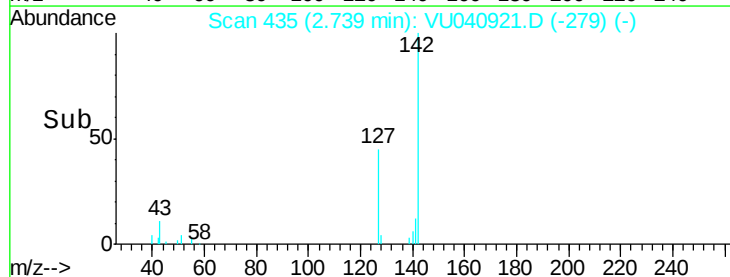
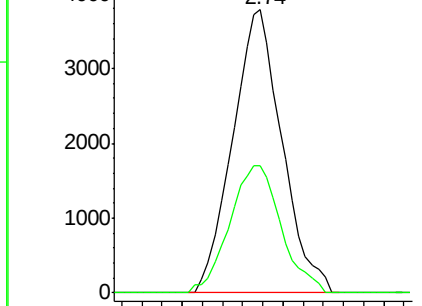
Acq: 23 Oct 2020 00:22

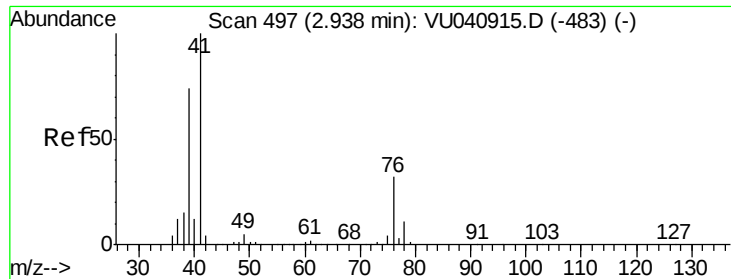
Tgt Ion:	142	Resp:	6468
Ion	Ratio	Lower	Upper
142	100		
127	46.9	40.6	60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040921.D (-279) (-)

Ion 127.00 (126.70 to 127.70): VU040921.D (-279) (-)





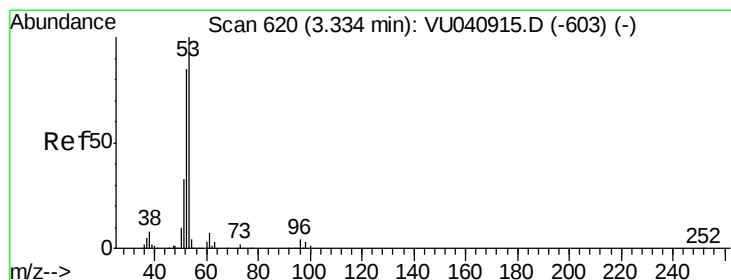
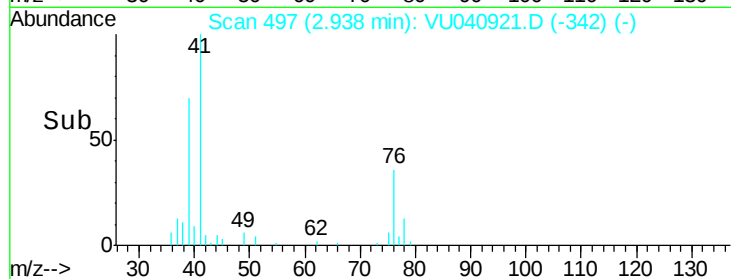
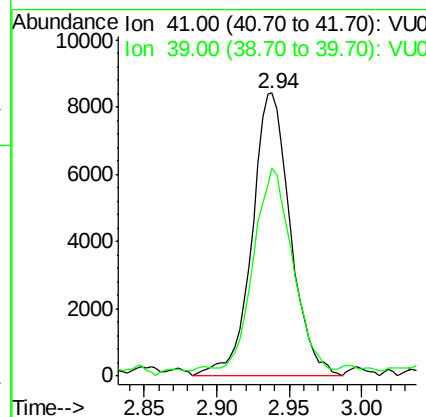
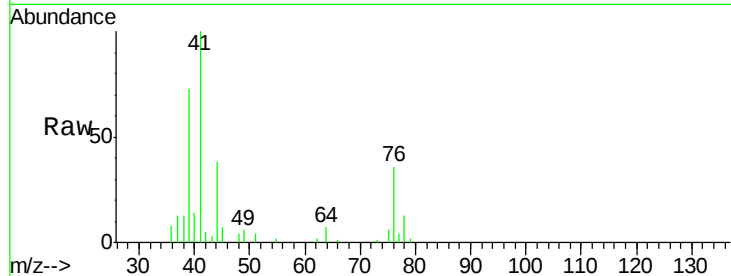
#11
Allvl Chloride
Concen: 0.515 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 41 Resp: 15532
Ion Ratio Lower Upper
41 100
39 71.1 59.0 88.4

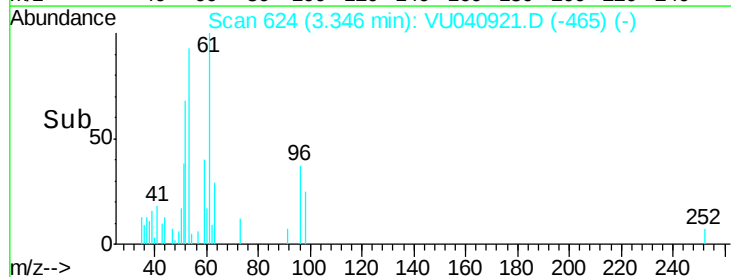
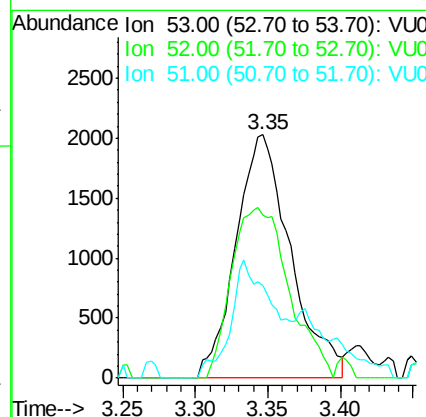
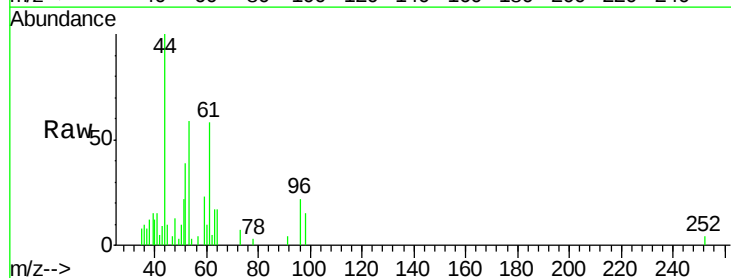
Manual Integrations
APPROVED

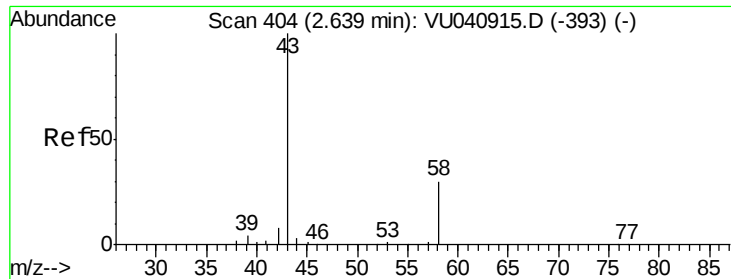
MMDadoda
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#12
Acrylonitrile
Concen: 1.028 ug/l
RT: 3.35 min Scan# 624
Delta R.T. 0.01 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 53 Resp: 5313
Ion Ratio Lower Upper
53 100
52 73.8 63.1 94.7
51 37.9 30.6 46.0





#13

Acetone

Concen: 2.892 ug/l

RT: 2.66 min Scan# 410

Delta R.T. 0.02 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 12507

Ion Ratio Lower Upper

43 100

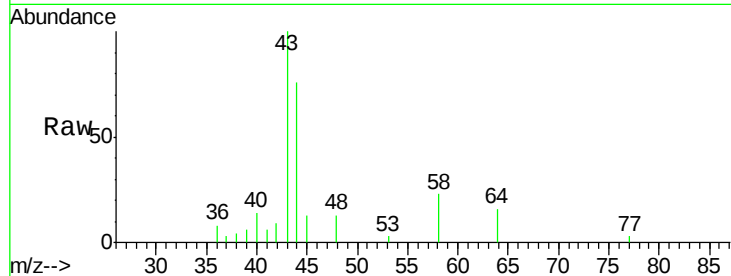
58 24.4 23.6 35.4

Manual Integrations

APPROVED

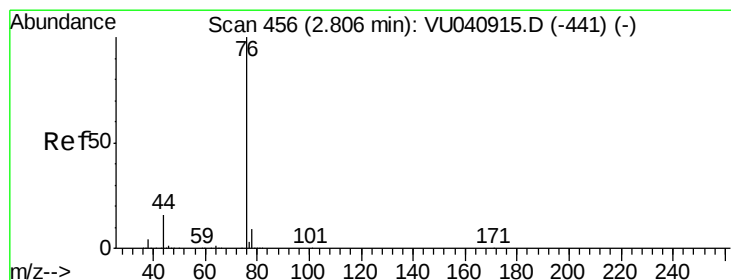
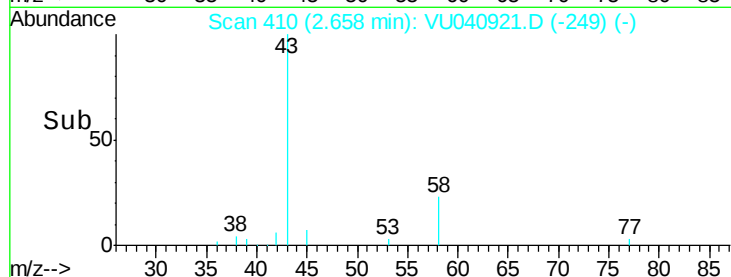
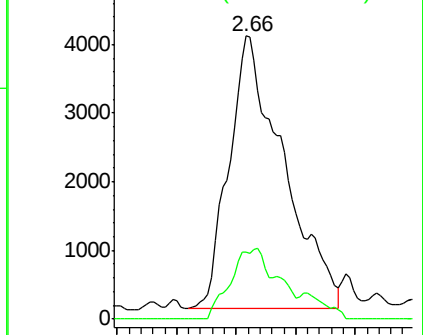
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 0.536 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040921.D

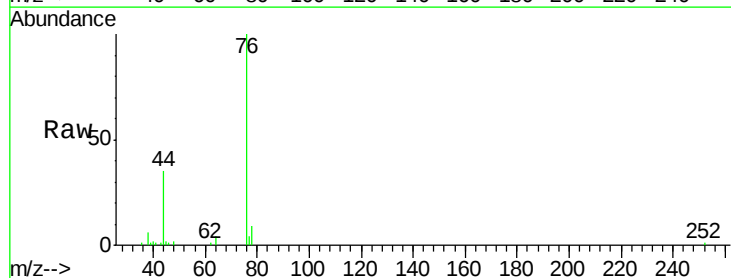
Acq: 23 Oct 2020 00:22

Tgt Ion: 76 Resp: 29508

Ion Ratio Lower Upper

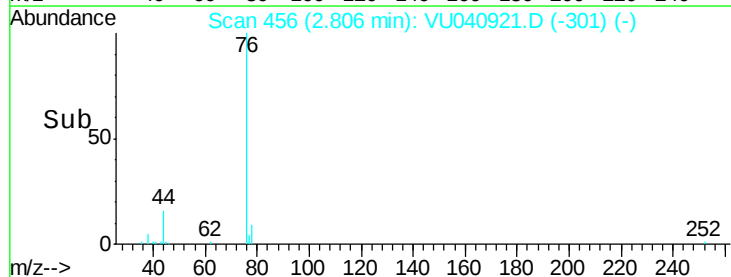
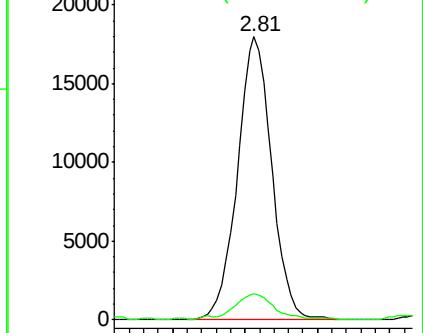
76 100

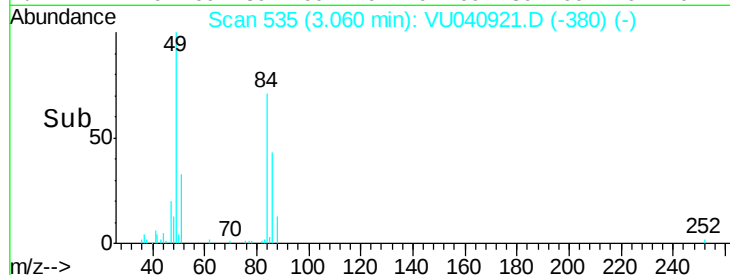
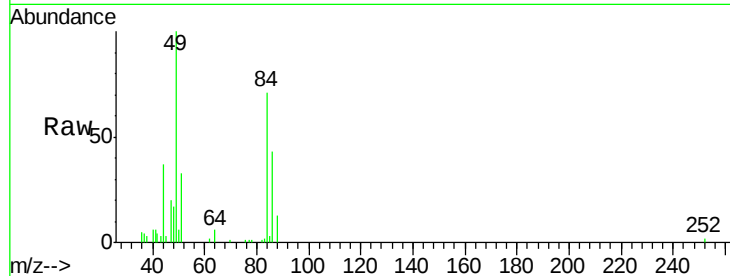
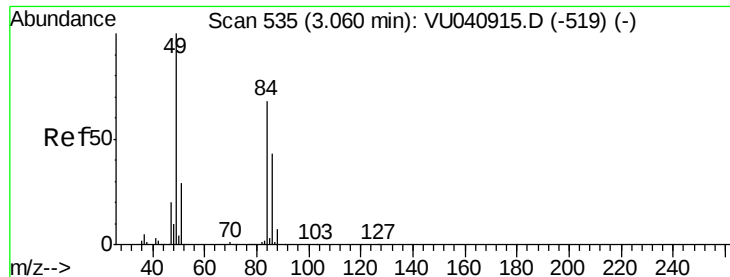
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





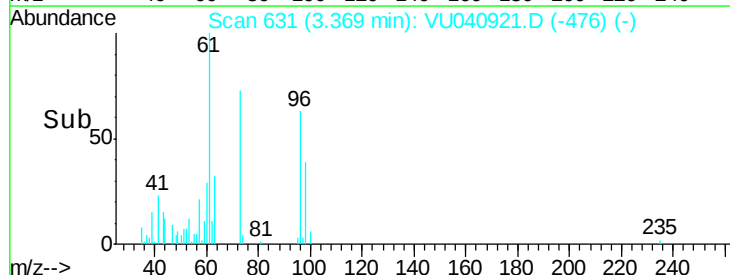
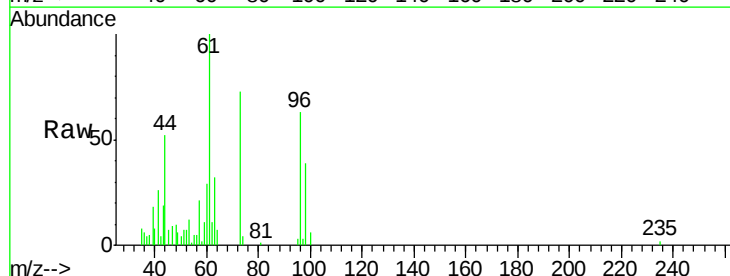
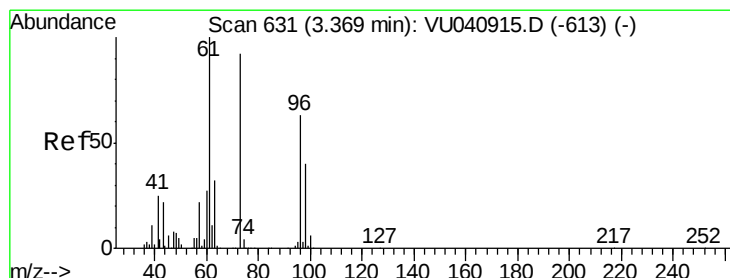
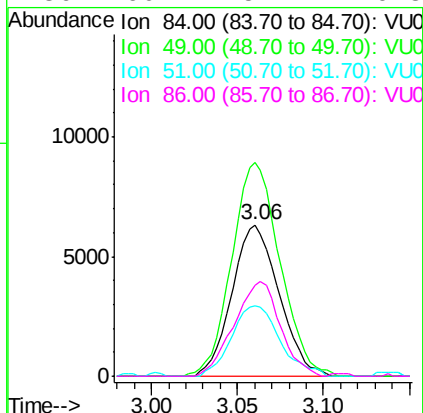
#15
Methvlene Chloride
Concen: 0.632 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tot Ion:	84	Resp:	12028
Ion	Ratio	Lower	Upper
84	100		
49	141.2	118.2	177.4
51	46.9	0.0	86.8
86	60.2	51.2	76.8

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

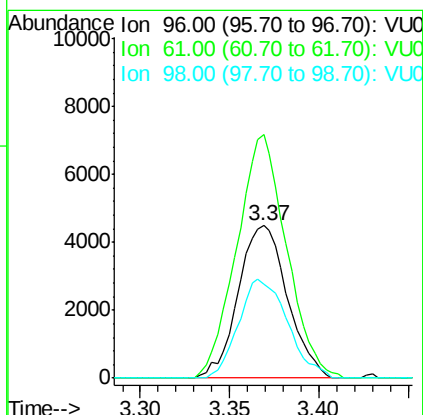
Manual Integrations
APPROVED

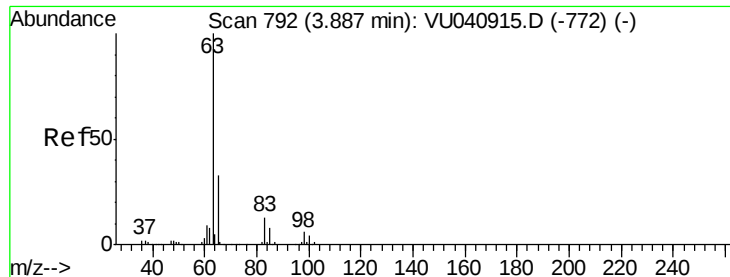
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.521 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:	96	Resp:	8642
Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.0	190.4
98	61.7	51.2	76.8





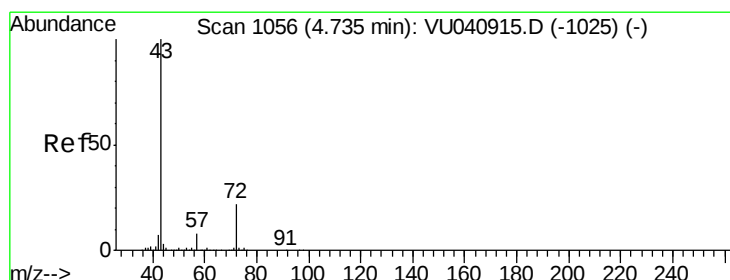
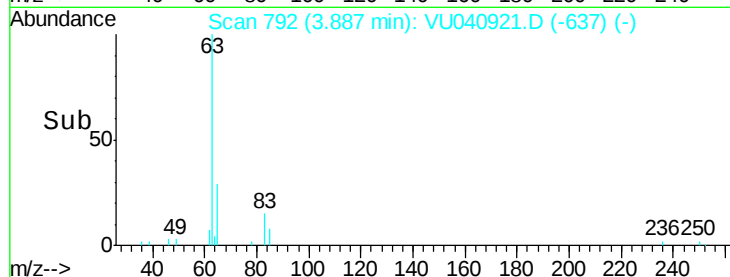
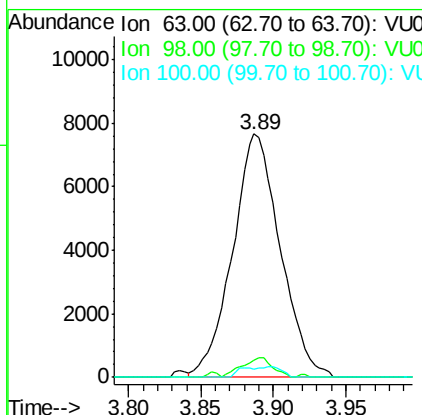
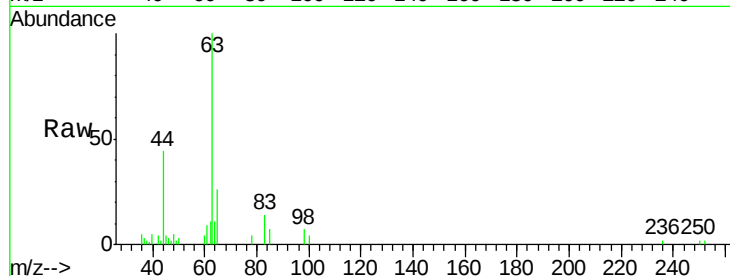
#17
 1,1-Dichloroethane
 Concen: 0.515 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:	63	Resp:	17484
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.0	9.2
100	3.6	1.8	5.5

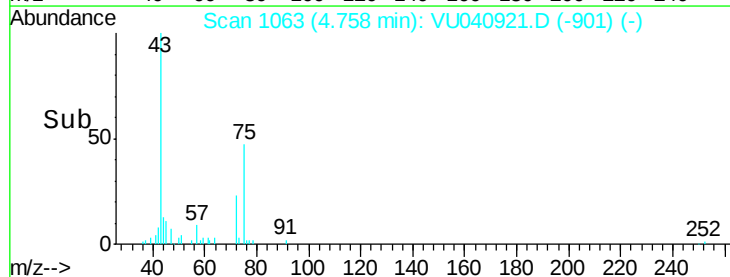
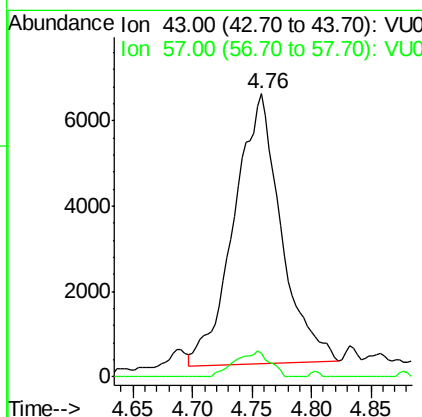
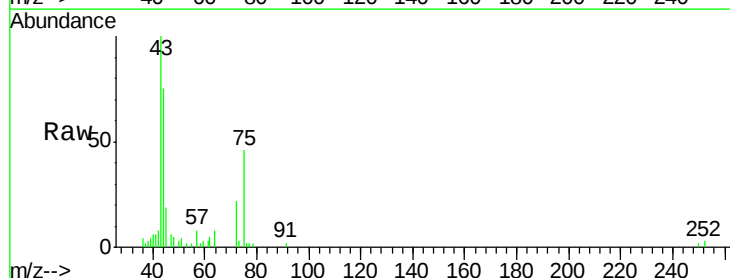
Manual Integrations
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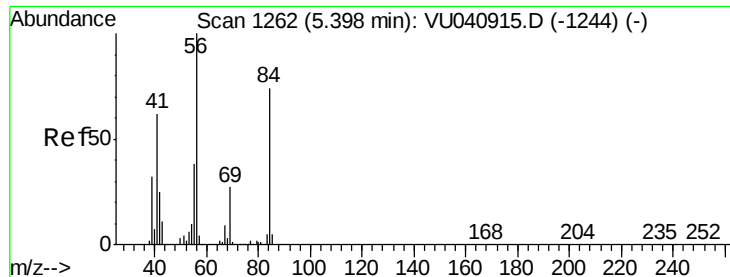
MMDadoda
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#18
 2-Butanone
 Concen: 2.488 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion:	43	Resp:	17406
Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	15.2





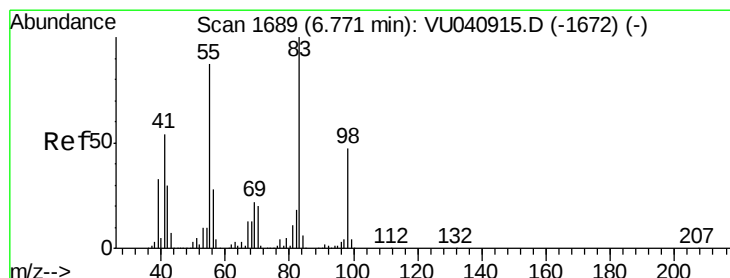
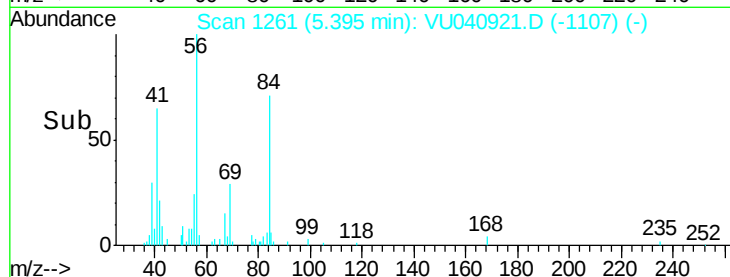
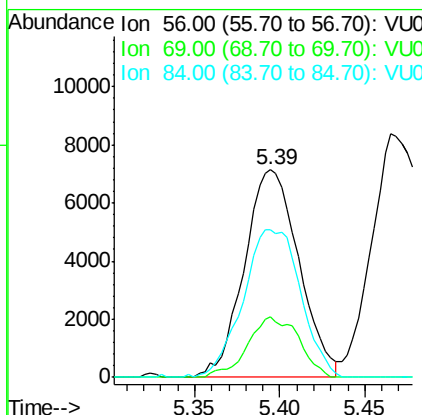
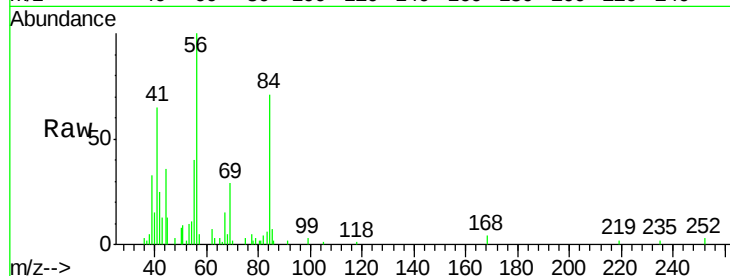
#19
Cyclohexane
Concen: 0.499 ug/l m
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	22.2	33.2
84	75.1	60.1	90.1

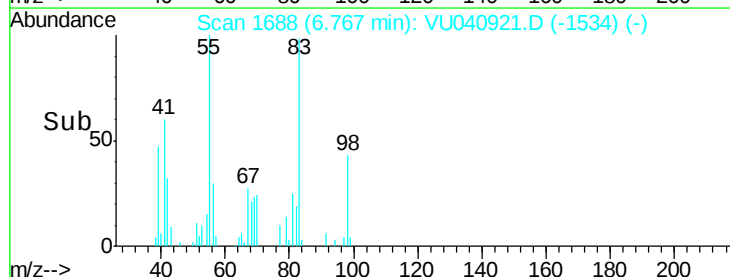
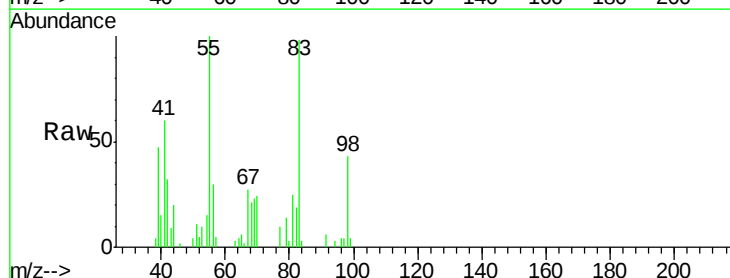
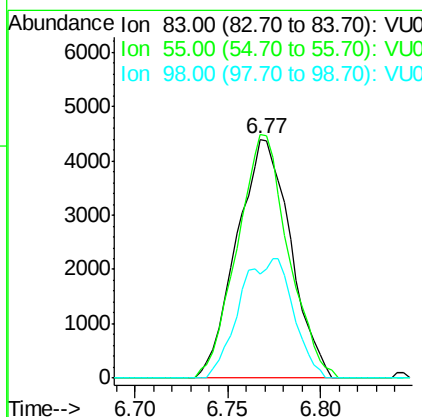
Manual Integrations
APPROVED

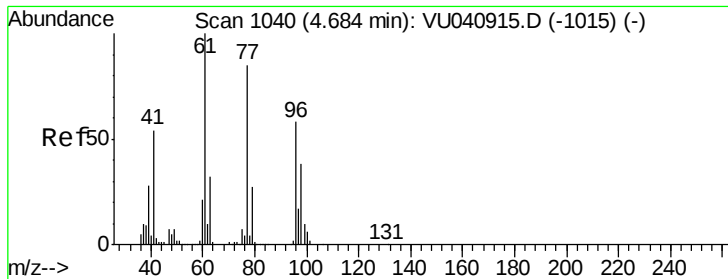
MMDadoda
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#20
Methylcyclohexane
Concen: 0.369 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	97.0	71.0	106.4
98	50.0	38.1	57.1





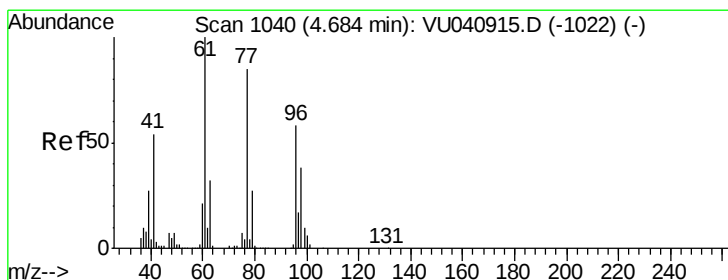
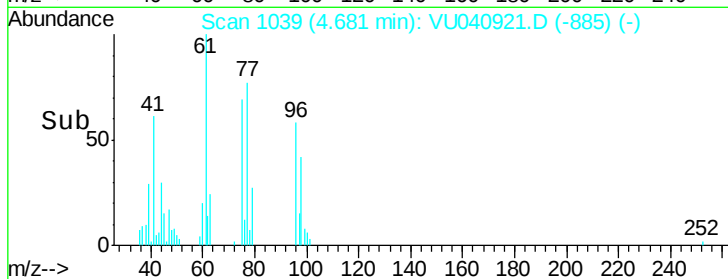
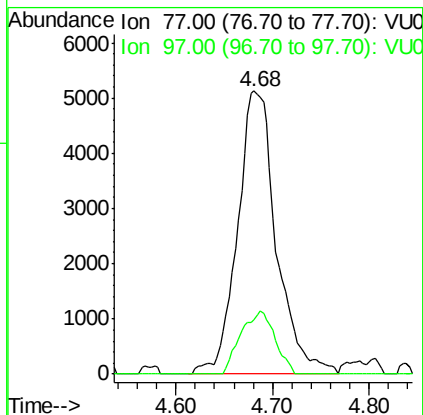
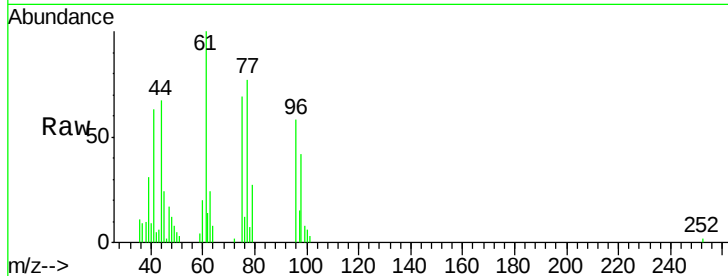
#21
 2,2-Dichloropropane
 Concen: 0.501 ug/l
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 77 Resp: 14347
 Ion Ratio Lower Upper
 77 100
 97 19.5 16.0 24.0

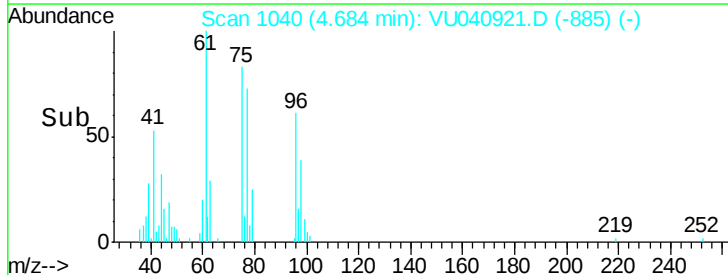
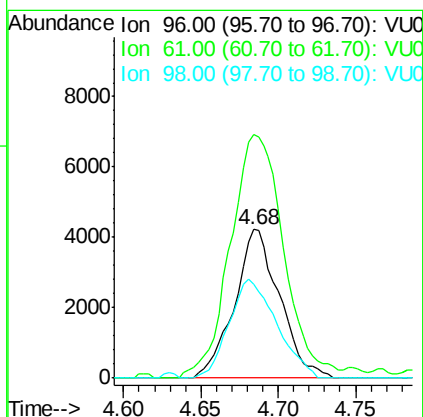
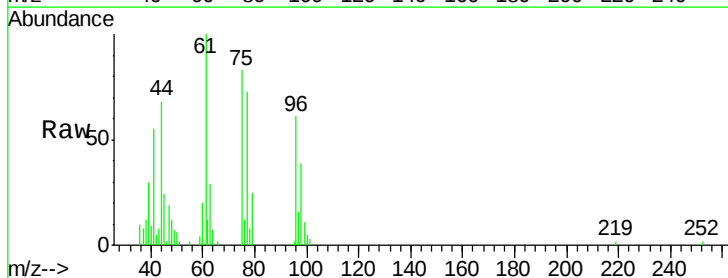
Manual Integrations
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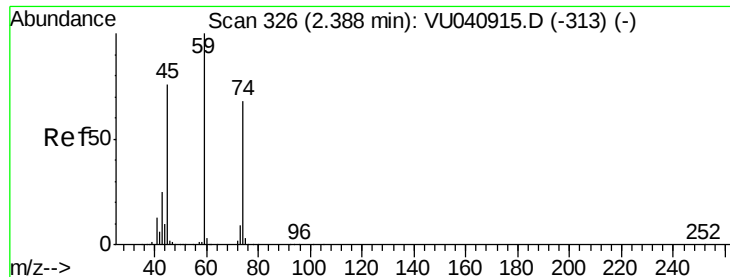
MMDadoda
 10/26/2020 4:15:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.483 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 96 Resp: 8550
 Ion Ratio Lower Upper
 96 100
 61 194.1 0.0 434.5
 98 70.0 32.6 97.8





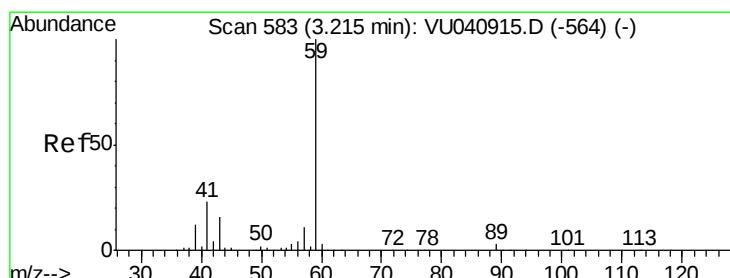
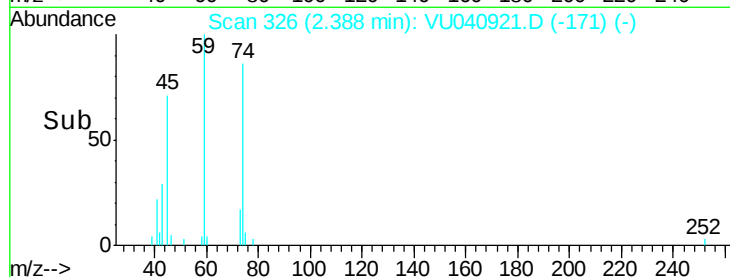
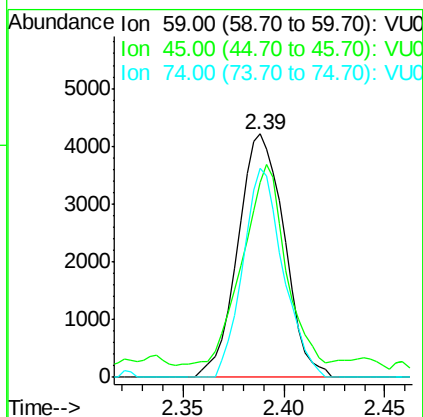
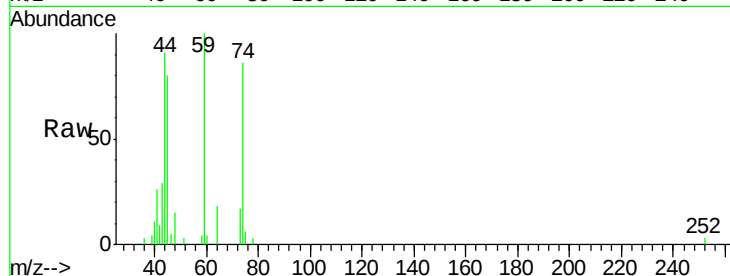
#23
Diethyl Ether
Concen: 0.469 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
59	100		
45	74.7	61.4	92.2
74	74.4	55.0	82.4

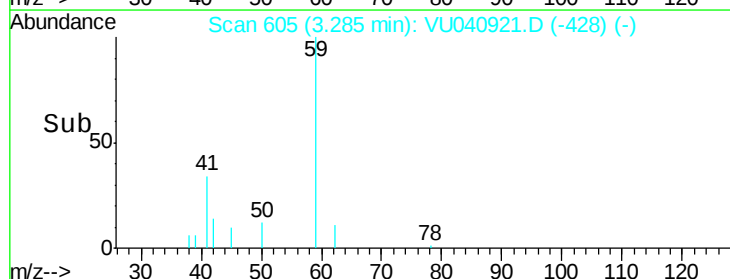
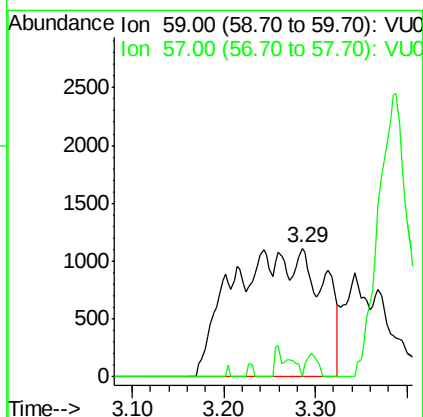
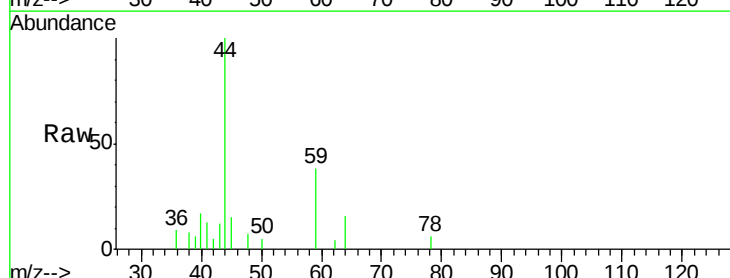
Manual Integrations
APPROVED

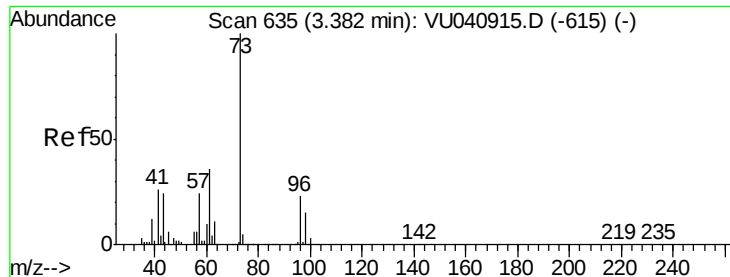
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 4.634 ug/l m
RT: 3.29 min Scan# 605
Delta R.T. 0.07 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

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





#25

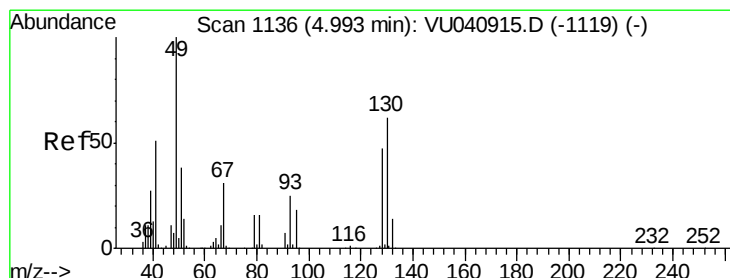
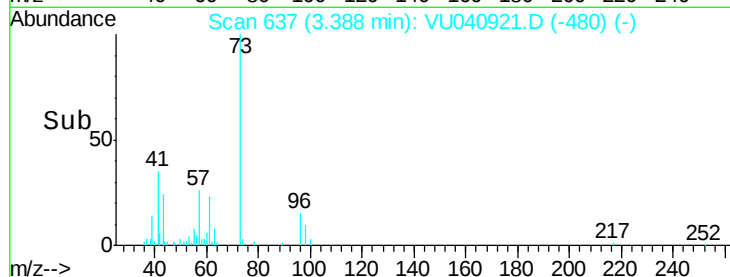
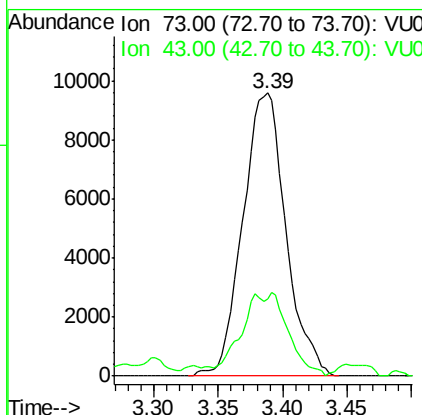
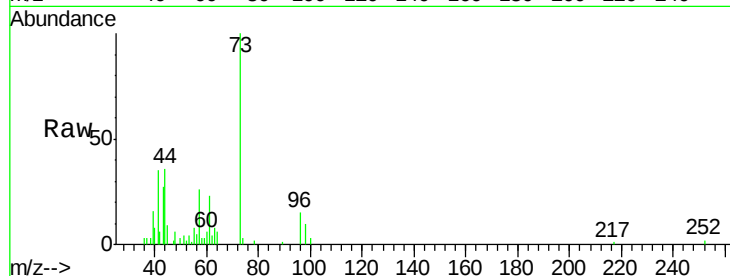
Methvl tert-Butvl Ether
Concen: 0.492 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 73 Resp: 22356
Ion Ratio Lower Upper
73 100
43 13.1 19.0 28.6#

Manual Integrations
APPROVED

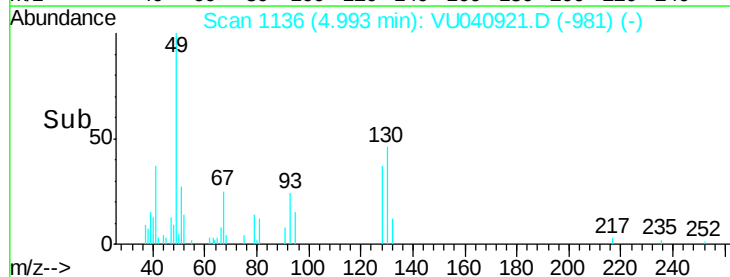
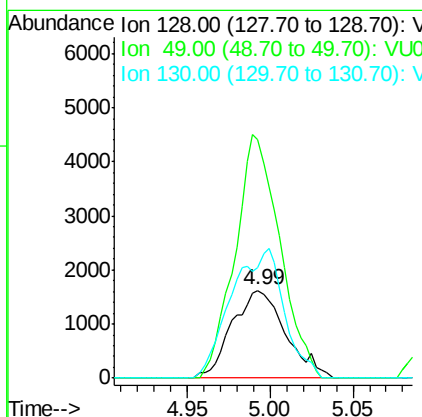
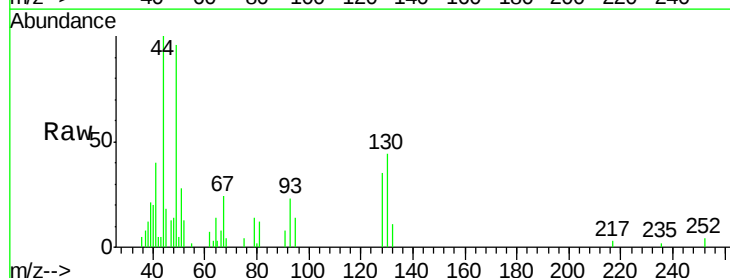
MMDadoda
10/26/2020 4:15:30 PM

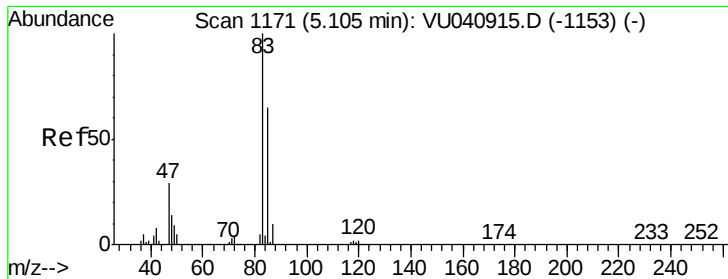


#26

Bromochloromethane
Concen: 0.473 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 128 Resp: 3636
Ion Ratio Lower Upper
128 100
49 232.5 0.0 426.4
130 145.8 106.2 159.4





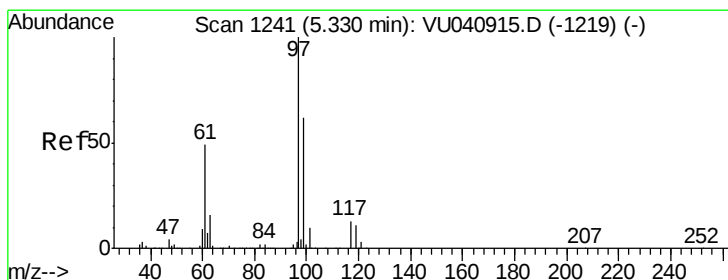
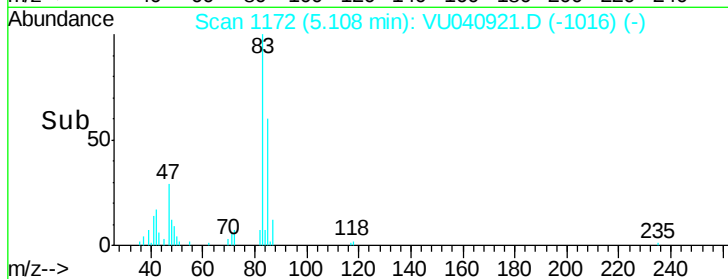
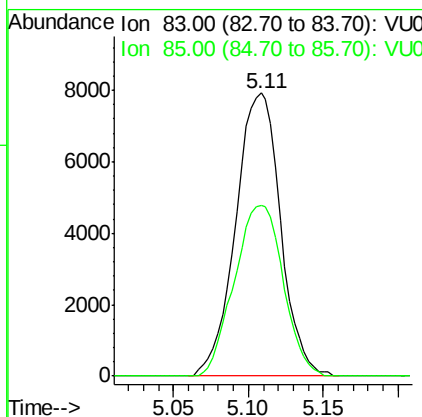
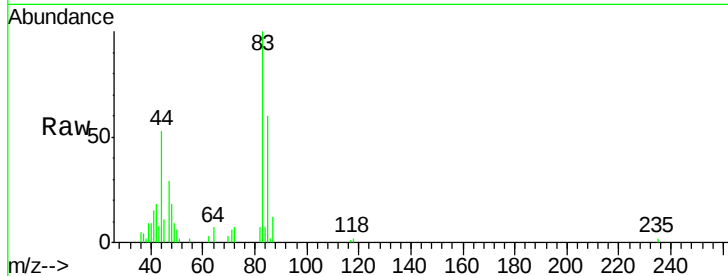
#27
Chloroform
Concen: 0.510 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	83	Resp	16550
Ion Ratio	Lower	Upper	
83	100		
85	60.4	0.0	129.0

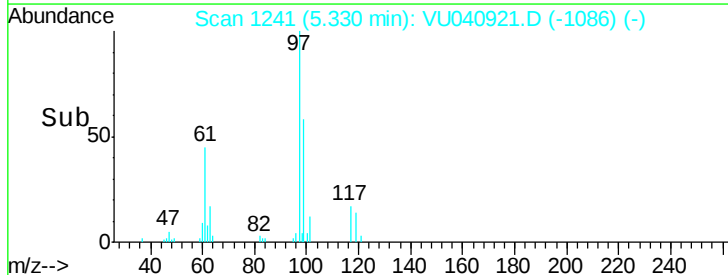
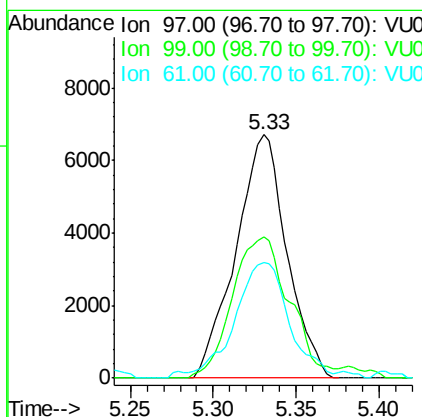
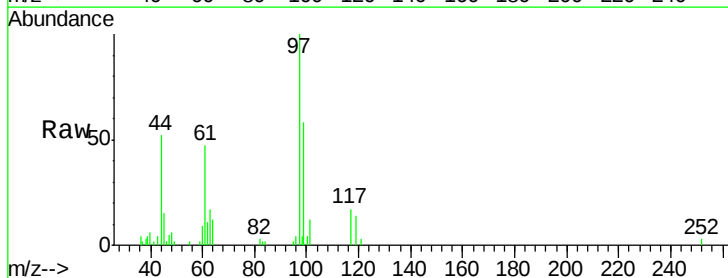
Manual Integrations
APPROVED

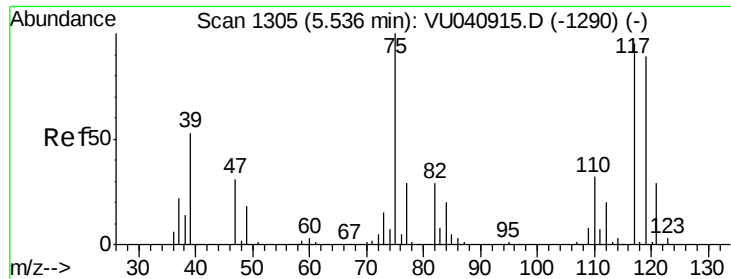
MMDadoda
10/26/2020 4:15:30 PM



#28
1,1,1-Trichloroethane
Concen: 0.516 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	97	Resp	14425
Ion Ratio	Lower	Upper	
97	100		
99	65.0	31.4	94.3
61	51.0	24.7	74.1





#29

1,1-Dichloropropene

Concen: 0.507 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

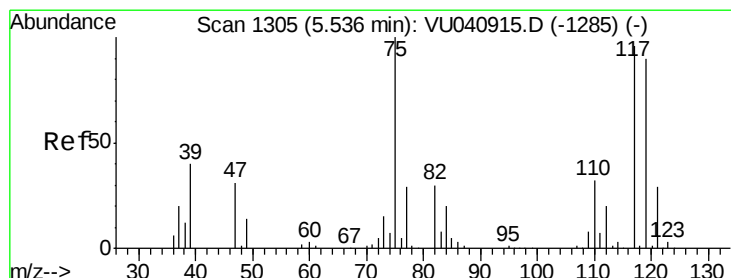
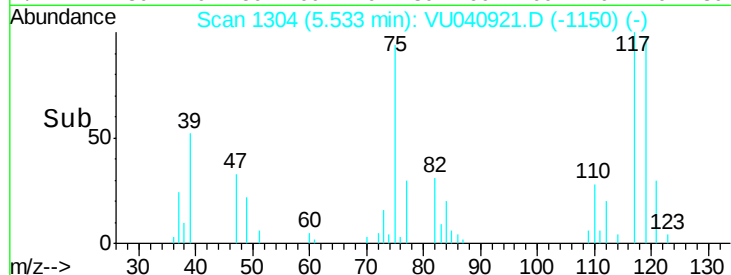
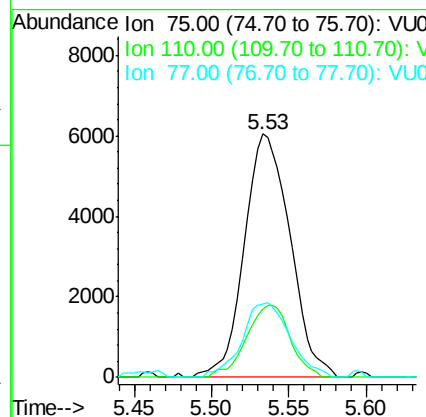
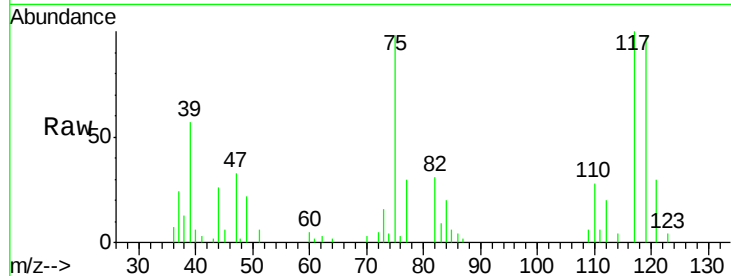
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	75	Resp:	12423
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.9	47.6
77	32.2	24.2	36.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 0.501 ug/l

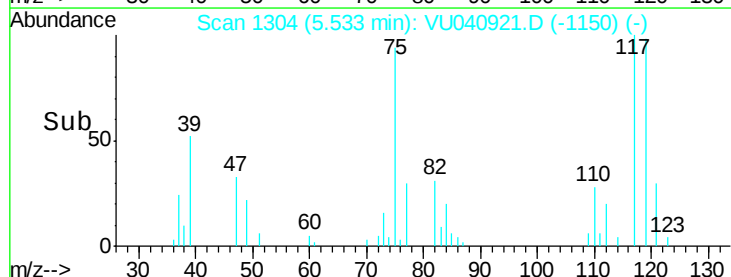
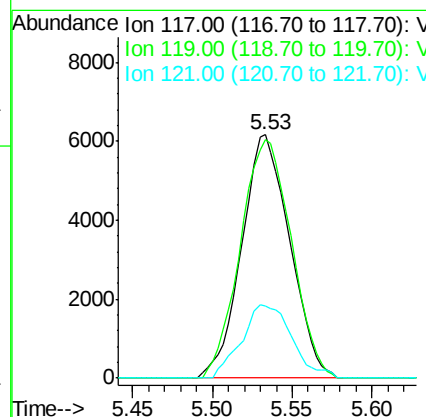
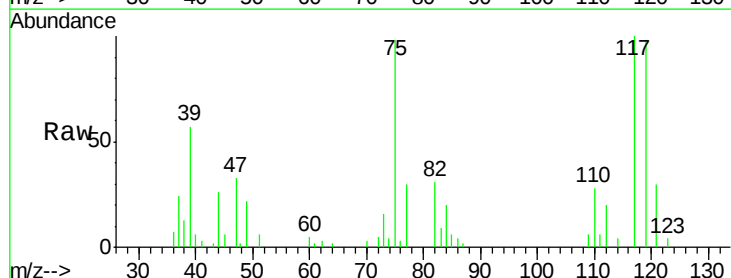
RT: 5.53 min Scan# 1304

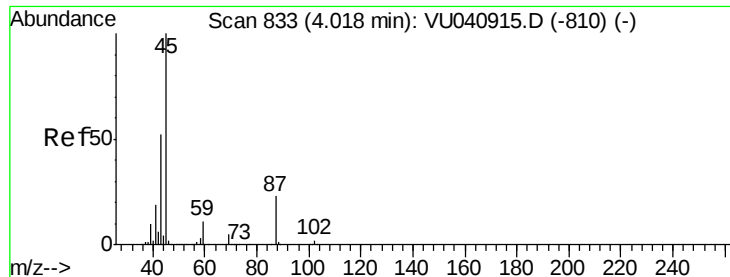
Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion:	117	Resp:	12666
Ion Ratio	Lower	Upper	
117	100		
119	98.0	74.9	112.3
121	29.8	24.1	36.1





#31

Isopropyl Ether

Concen: 0.471 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 45 Resp: 24737

Ion Ratio Lower Upper

45 100

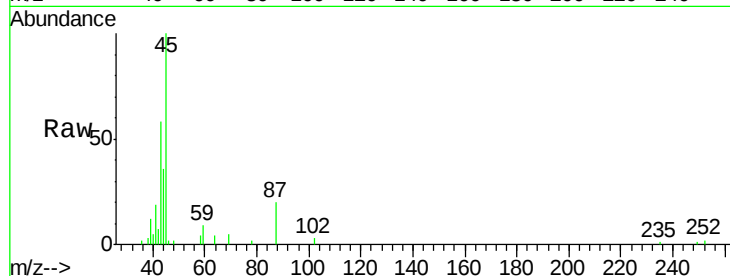
43 65.1 26.8 80.3

Manual Integrations

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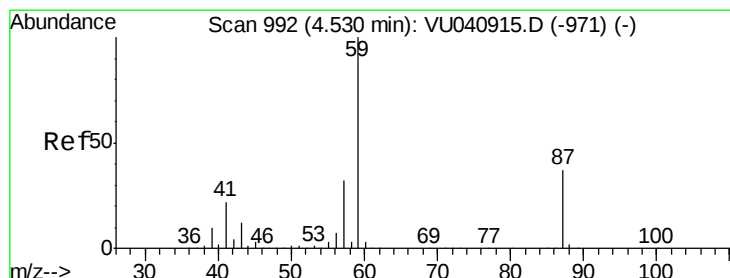
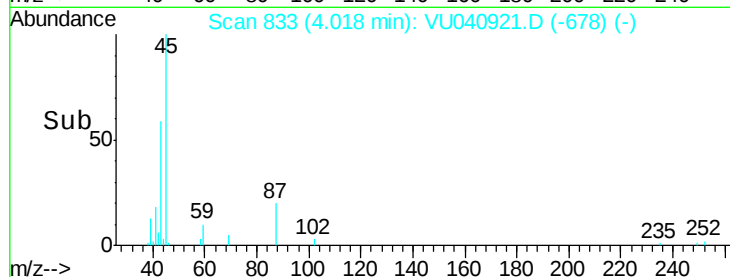
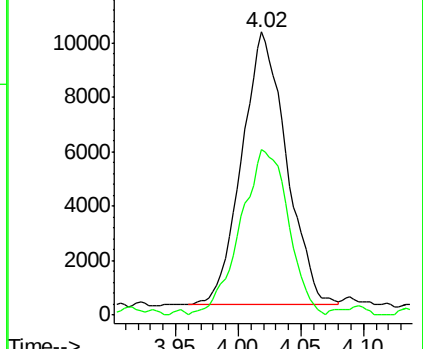
MMDadoda

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Abundance Ion 45.00 (44.70 to 45.70): VU040921.D (-678) (-)

Ion 43.00 (42.70 to 43.70): VU040921.D (-678) (-)



#32

Ethyl-t-butyl ether

Concen: 0.481 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040921.D

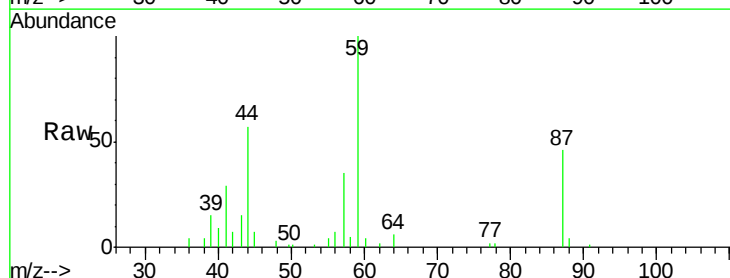
Acq: 23 Oct 2020 00:22

Tgt Ion: 59 Resp: 22240

Ion Ratio Lower Upper

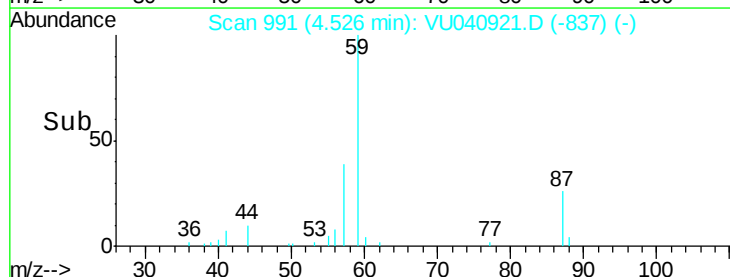
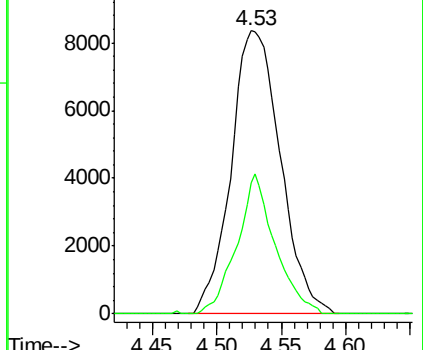
59 100

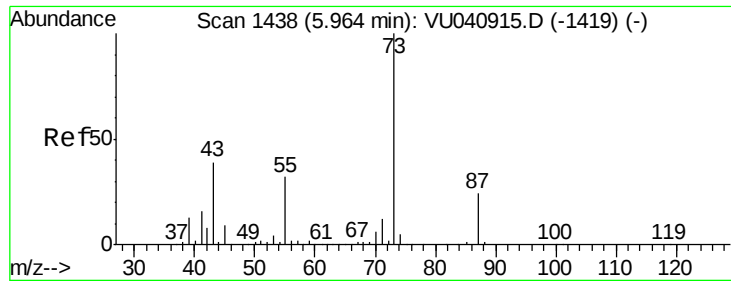
87 38.2 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040921.D (-837) (-)

Ion 87.00 (86.70 to 87.70): VU040921.D (-837) (-)





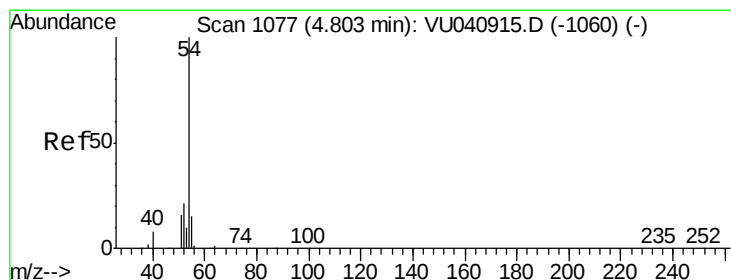
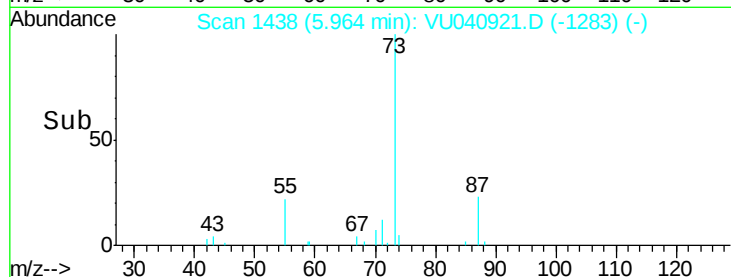
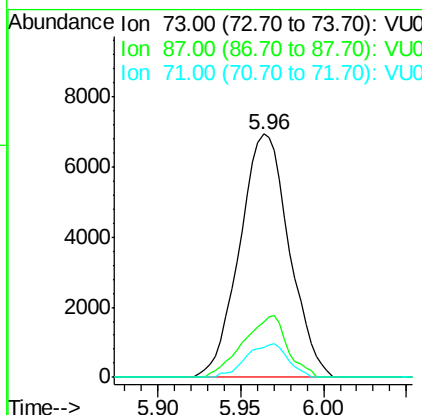
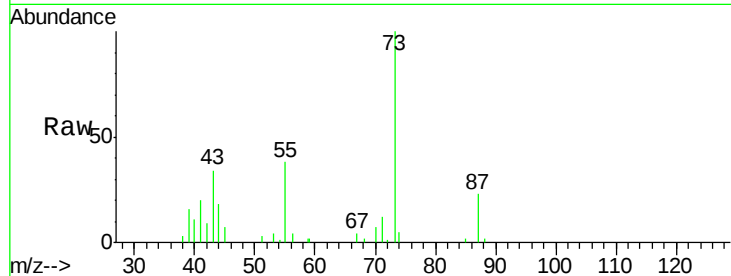
#33
Tert-Butyl methyl ether
Concen: 0.419 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.7	19.0	28.4
71	11.7	9.7	14.5

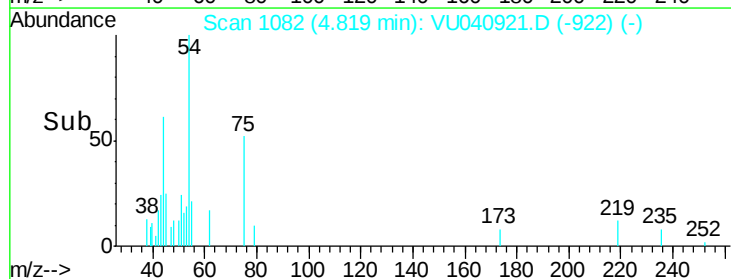
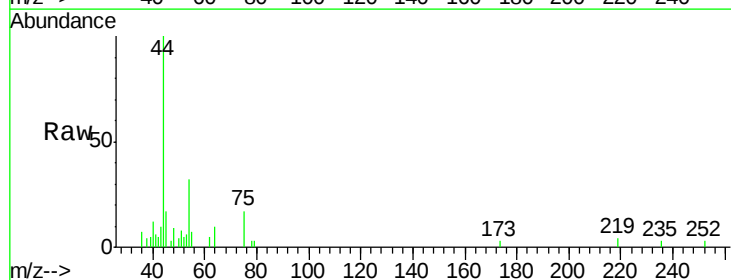
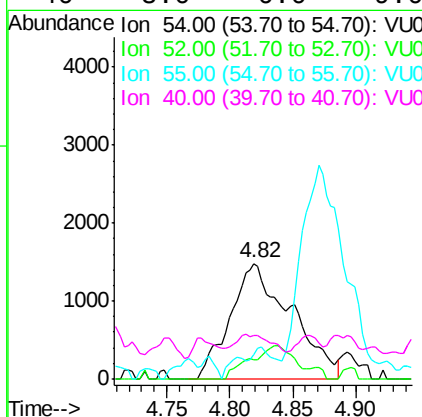
Manual Integrations
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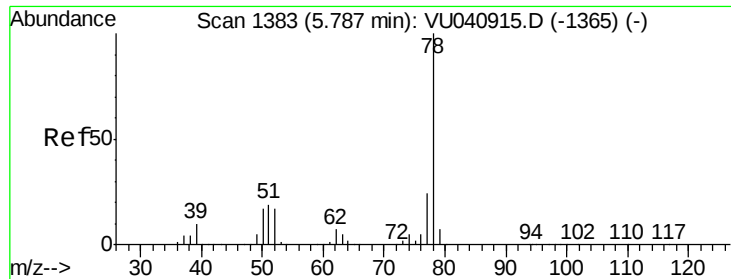
MMDadoda
10/26/2020 4:15:30 PM



#34
Propionitrile
Concen: 2.602 ug/l m
RT: 4.82 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
54	100		
52	6.3	15.5	23.3#
55	5.3	12.5	18.7#
40	8.0	6.0	9.0





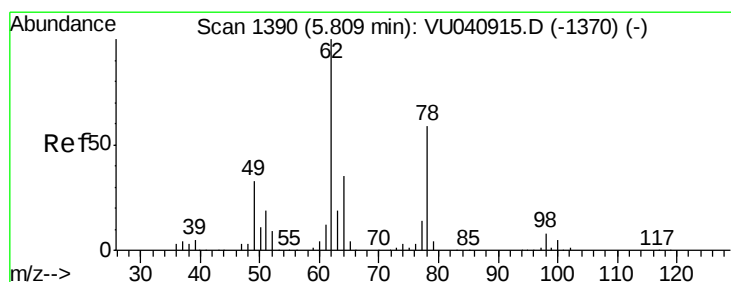
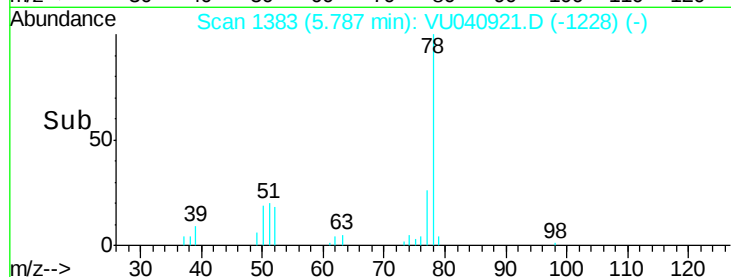
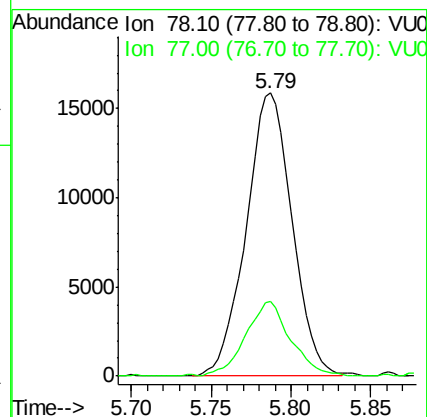
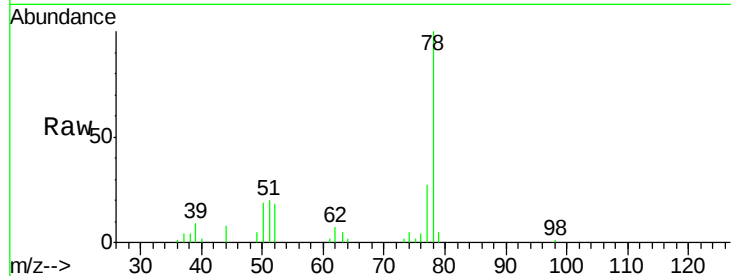
#35
Benzene
Concen: 0.461 ug/l
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 78 Resp: 31270
Ion Ratio Lower Upper
78 100
77 25.9 19.4 29.2

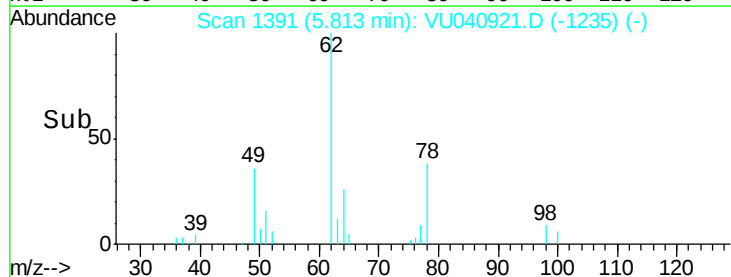
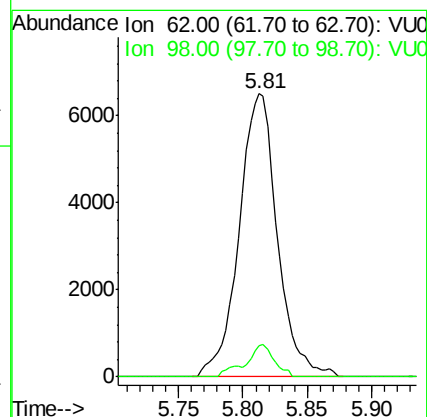
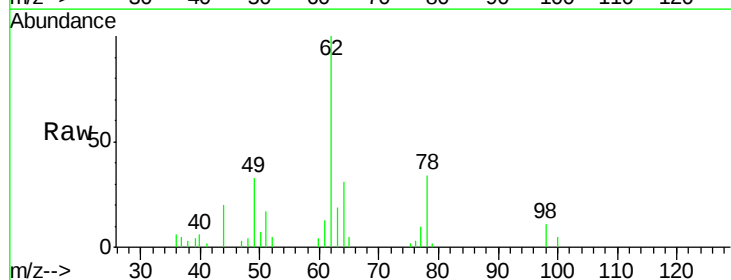
Manual Integrations
APPROVED

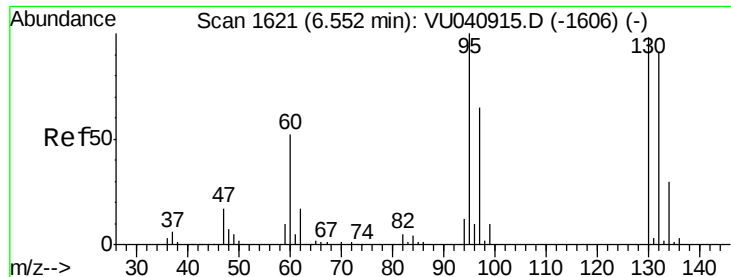
MMDadoda
10/26/2020 4:15:30 PM



#36
1,2-Dichloroethane
Concen: 0.532 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 62 Resp: 13392
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#37

Trichloroethene

Concen: 0.469 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 7526

Ion Ratio Lower Upper

130 100

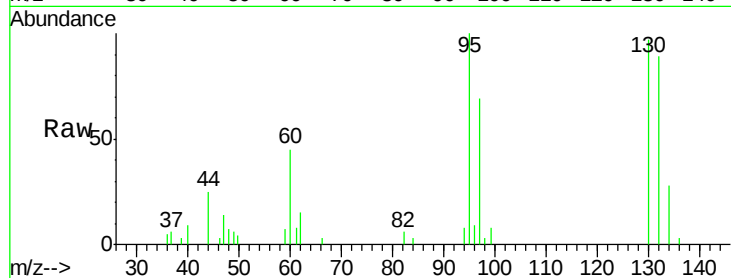
95 103.6 81.9 122.9

Manual Integrations

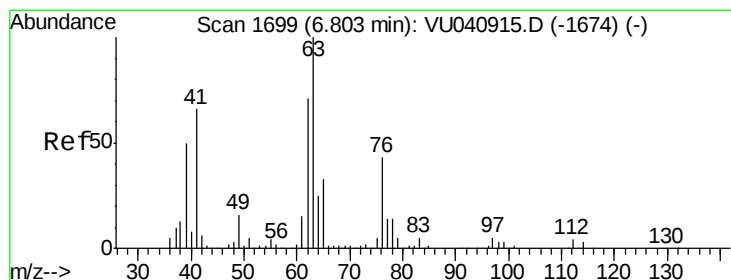
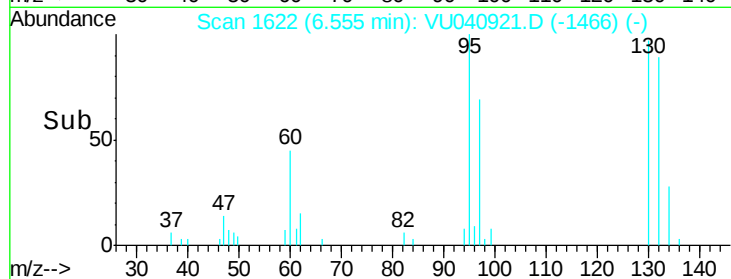
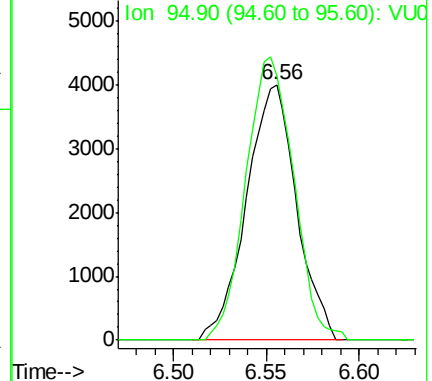
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Abundance Ion 129.90 (129.60 to 130.60): VU040921.D (-1466) (-)



#38

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040921.D

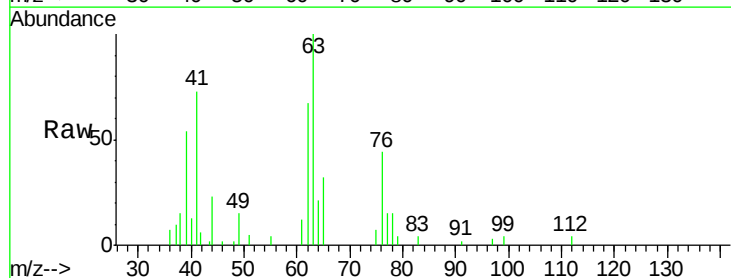
Acq: 23 Oct 2020 00:22

Tgt Ion: 63 Resp: 8844

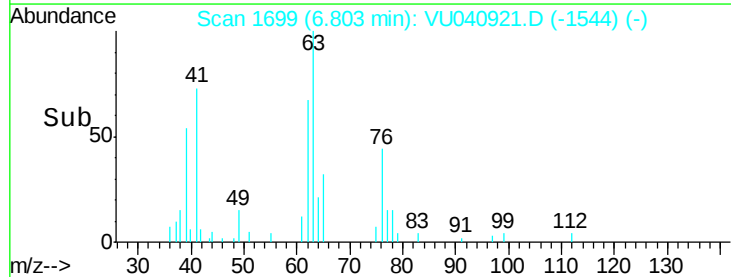
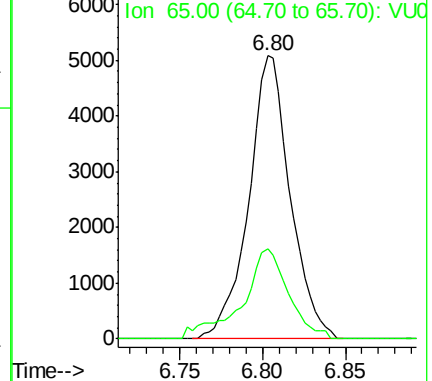
Ion Ratio Lower Upper

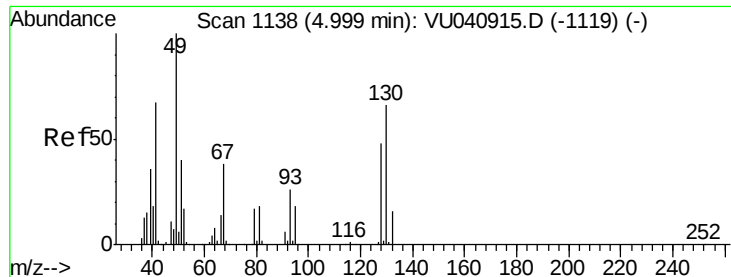
63 100

65 32.0 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040921.D (-1544) (-)





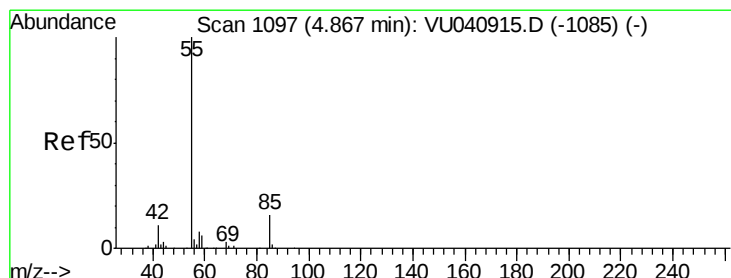
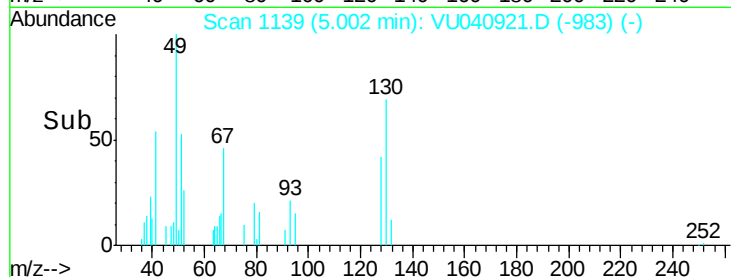
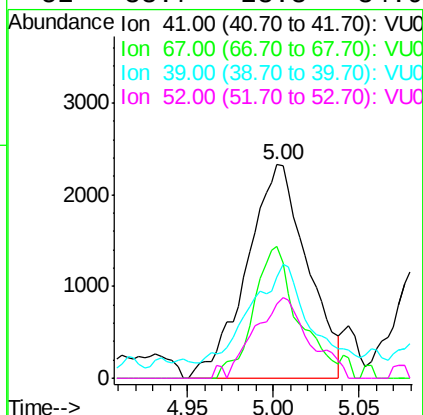
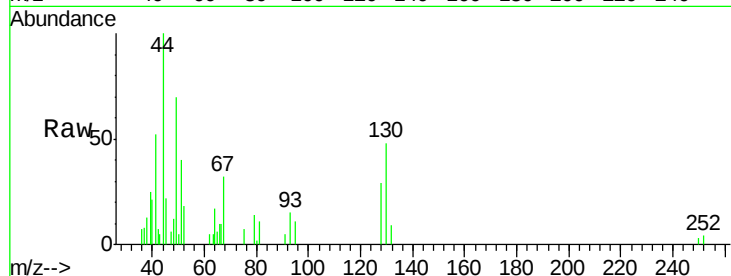
#39
Methacrylonitrile
Concen: 0.630 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
67	45.9	48.7	73.1#
39	42.8	44.6	67.0#
52	33.7	23.3	34.9

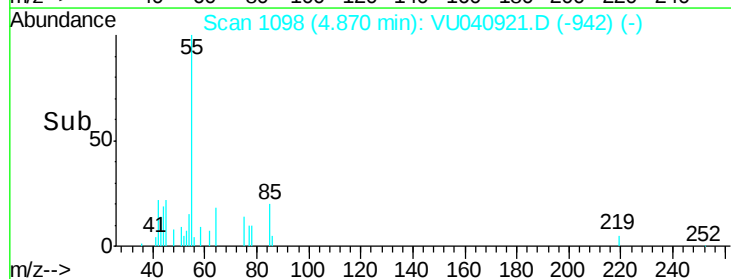
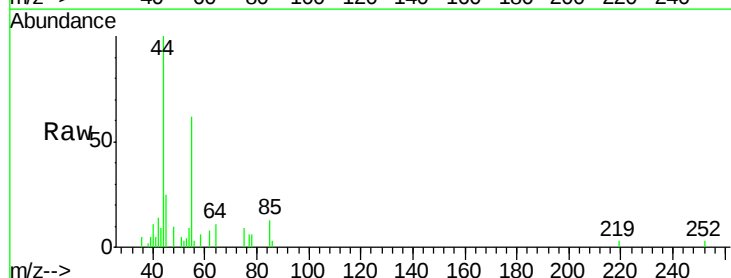
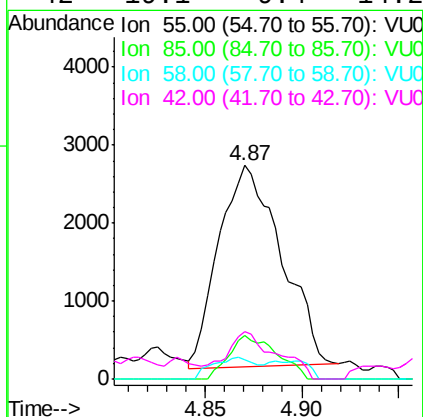
Manual Integrations
APPROVED

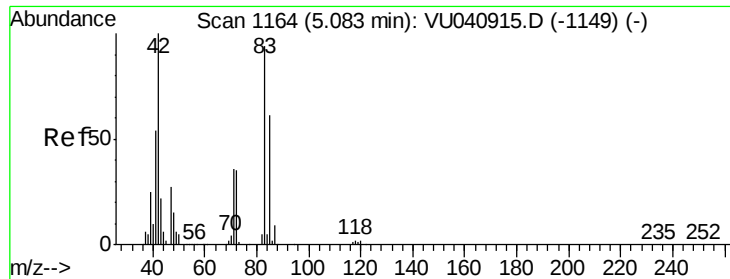
MMDadoda
10/26/2020 4:15:30 PM



#40
Methyl acrylate
Concen: 0.473 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.3	12.2	18.2
58	7.5	6.8	10.2
42	19.1	9.4	14.2#





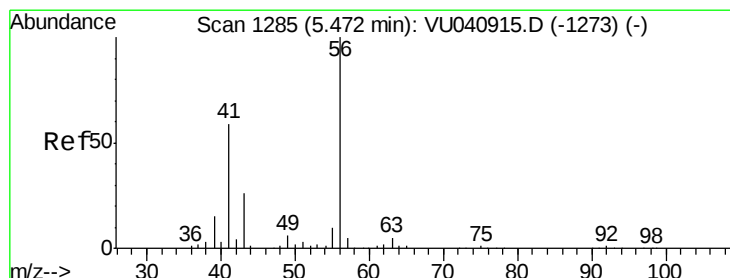
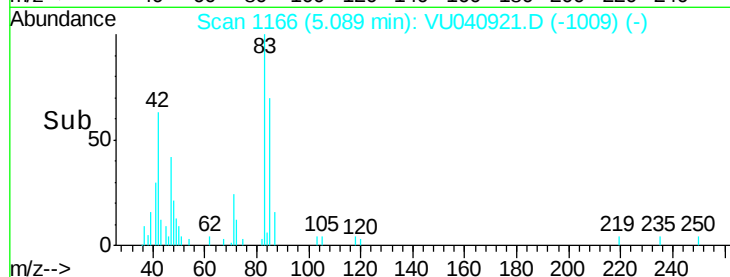
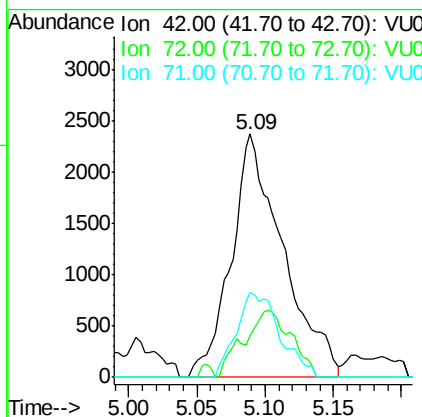
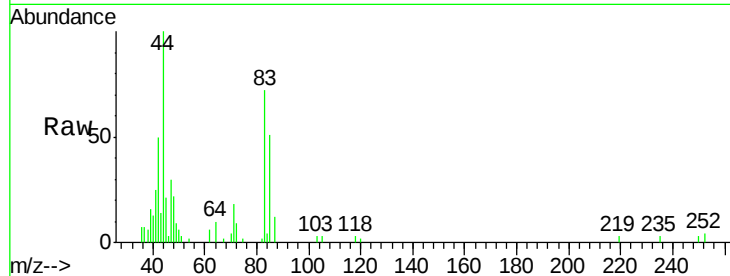
#41
Tetrahydrofuran
Concen: 1.346 ug/l
RT: 5.09 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	5.3	30.1	45.1#
71	29.4	27.9	41.9

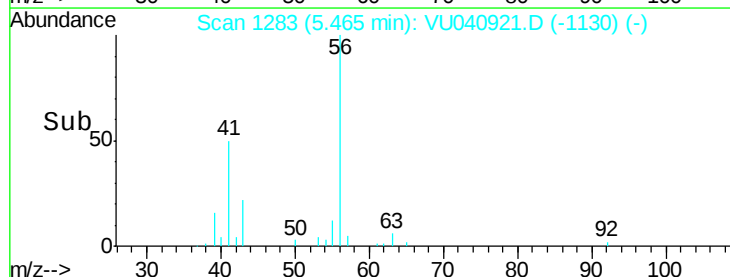
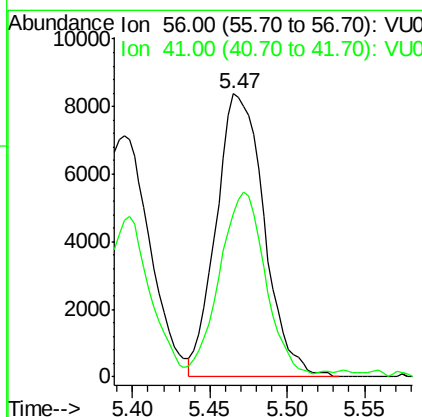
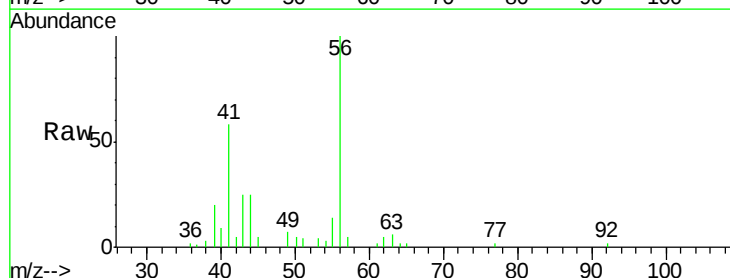
Manual Integrations
APPROVED

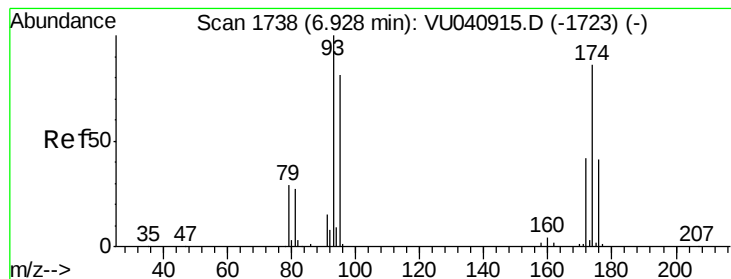
MMDadoda
10/26/2020 4:15:30 PM



#42
1-Chlorobutane
Concen: 0.487 ug/l
RT: 5.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.6	29.6	88.8





#43

Dibromomethane

Concen: 0.488 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

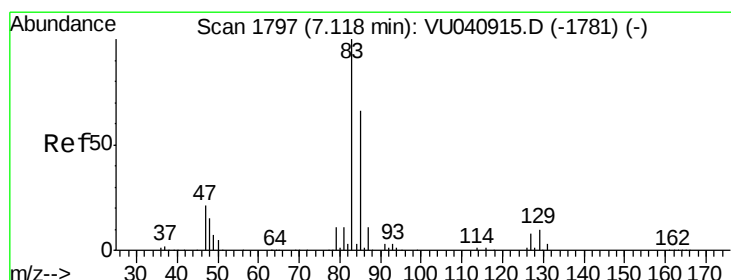
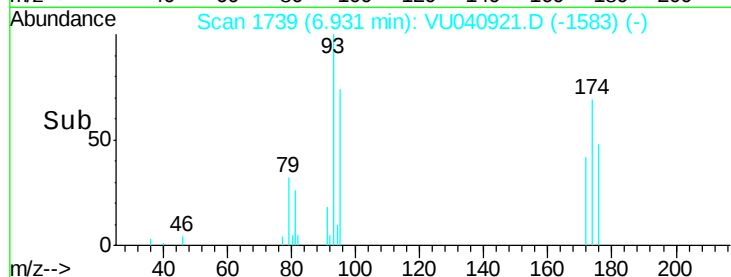
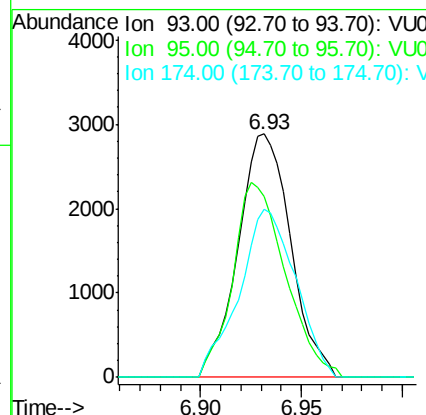
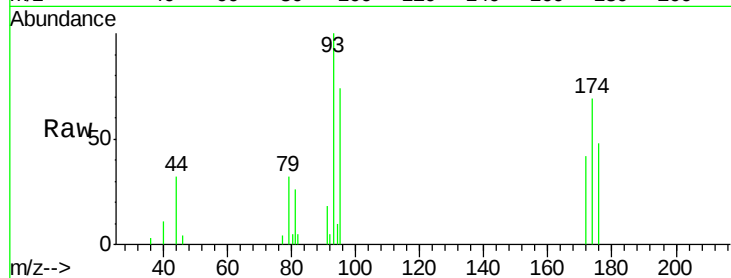
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	93	Resp:	5270
Ion	Ratio	Lower	Upper
93	100		
95	79.8	66.3	99.5
174	73.6	70.4	105.6

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#44

Bromodichloromethane

Concen: 0.497 ug/l

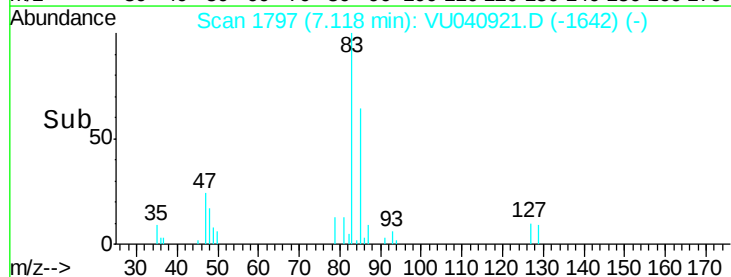
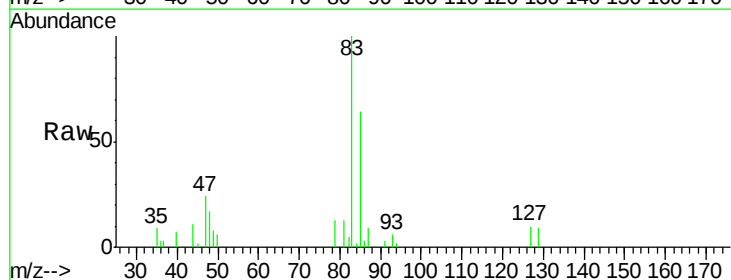
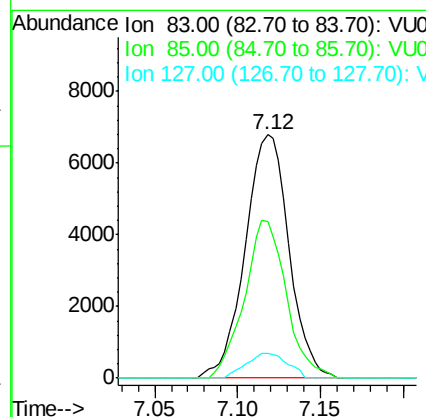
RT: 7.12 min Scan# 1797

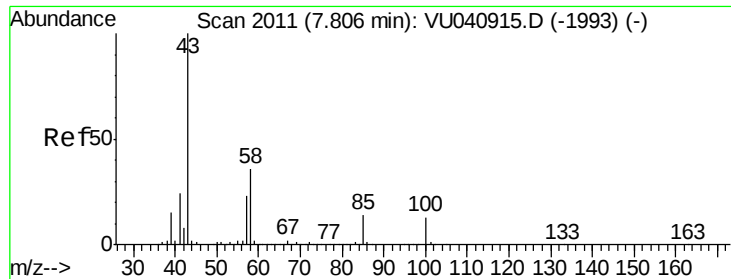
Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion:	83	Resp:	12468
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	78.8
127	10.1	6.4	9.6





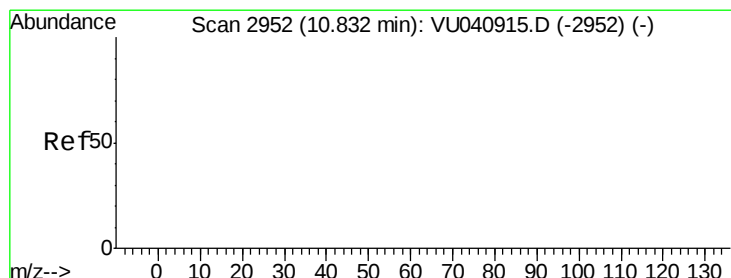
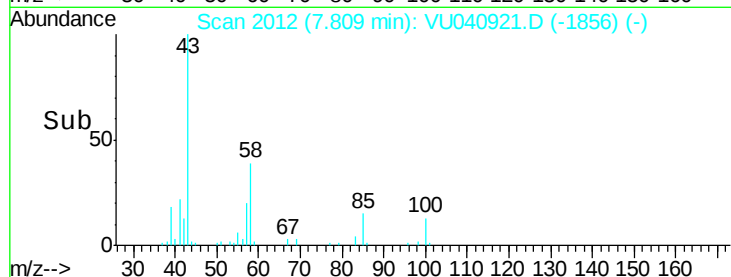
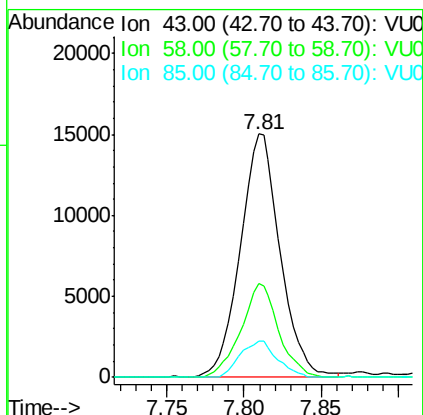
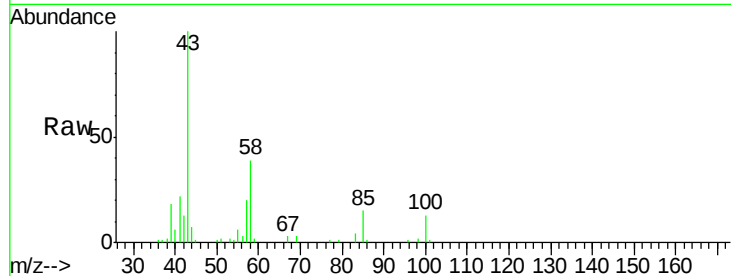
#45
4-Methyl-2-Pentanone
Concen: 1.903 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	17.8	53.5
85	13.9	11.4	17.2

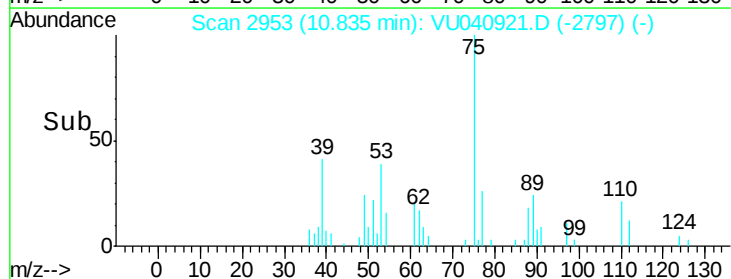
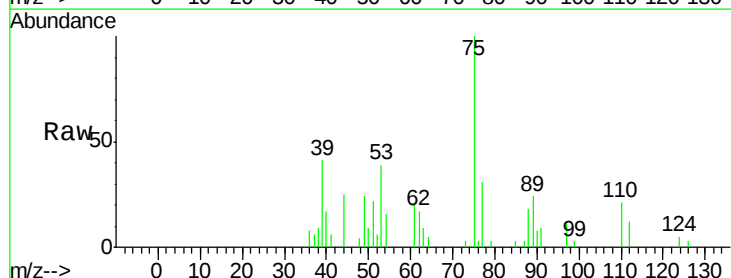
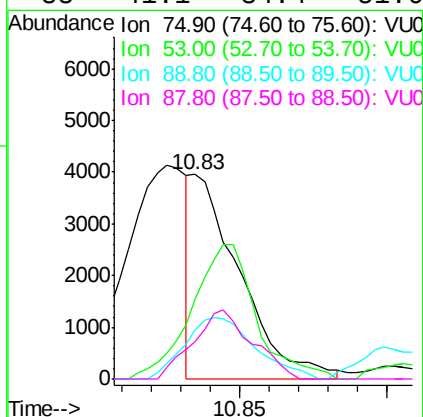
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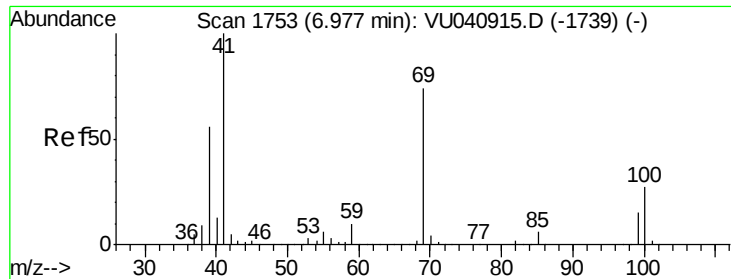
MMDadoda
10/26/2020 4:15:30 PM



#46
t-1,4-Dichloro-2-butene
Concen: 0.807 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.3	73.0	109.4
89	43.9	41.7	62.5
88	41.1	34.4	51.6





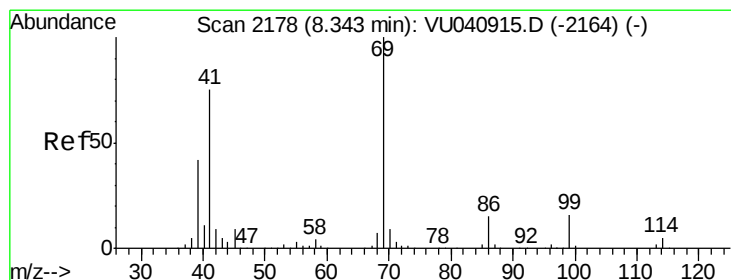
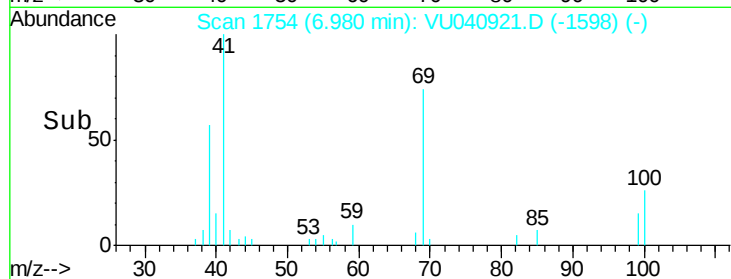
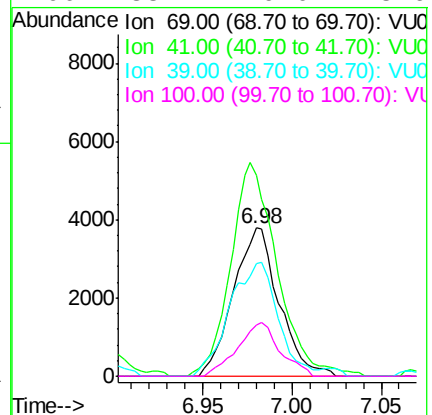
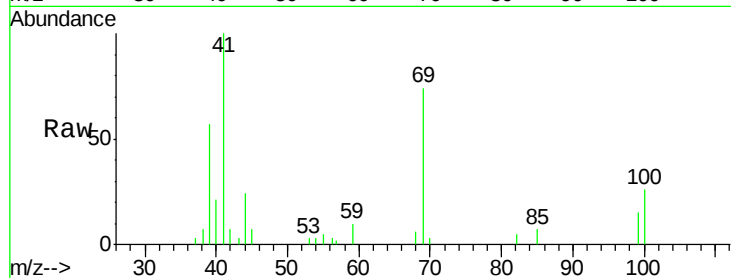
#47
Methvl methacrylate
Concen: 0.748 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.5	0.0	270.2
39	81.7	61.6	92.4
100	33.7	29.0	43.6

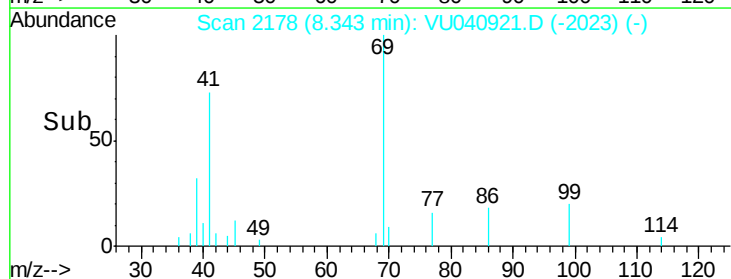
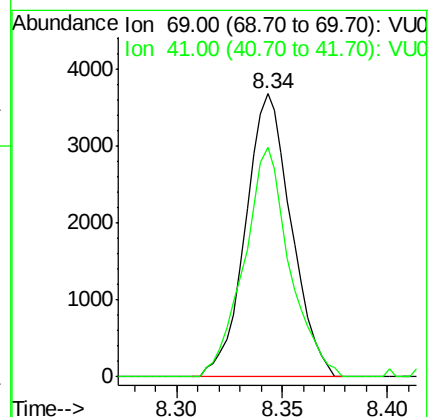
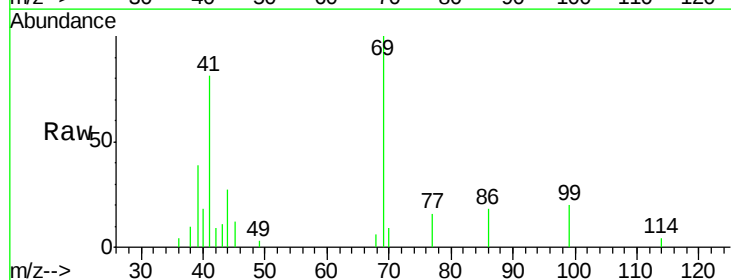
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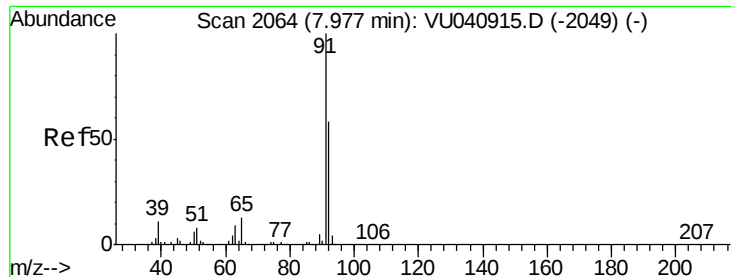
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#48
Ethyl methacrylate
Concen: 0.366 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.9	37.6	112.9





#49

Toluene

Concen: 0.370 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 92 Resp: 13835

Ion Ratio Lower Upper

92 100

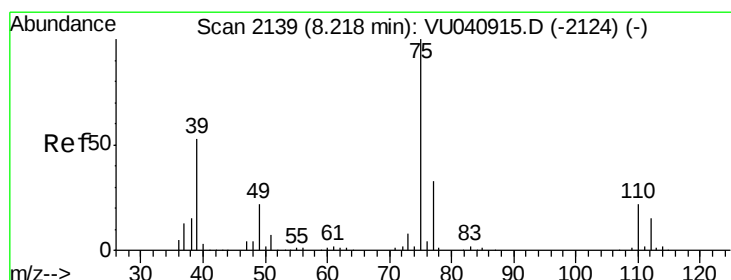
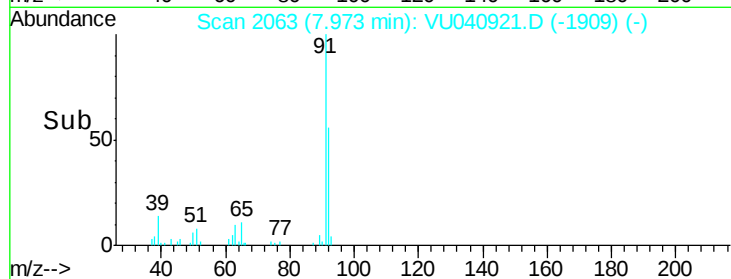
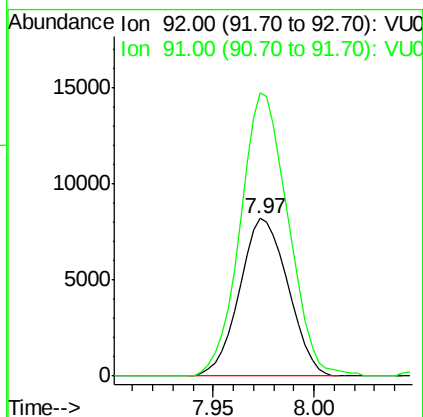
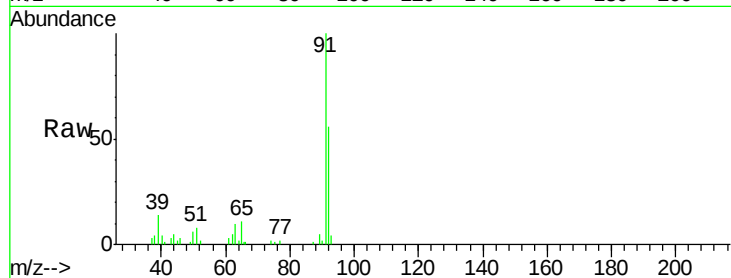
91 177.1 136.8 205.2

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.397 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040921.D

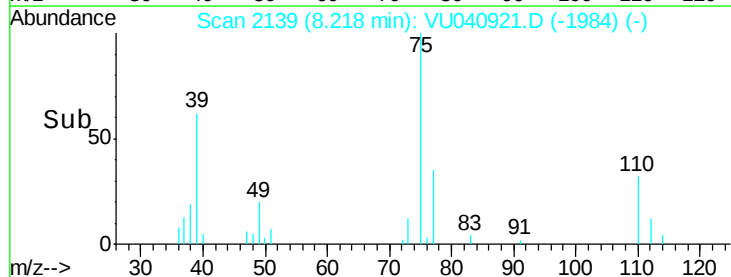
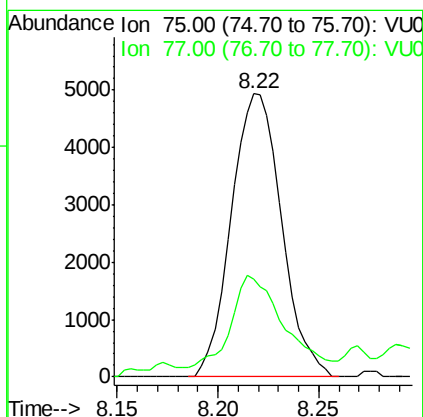
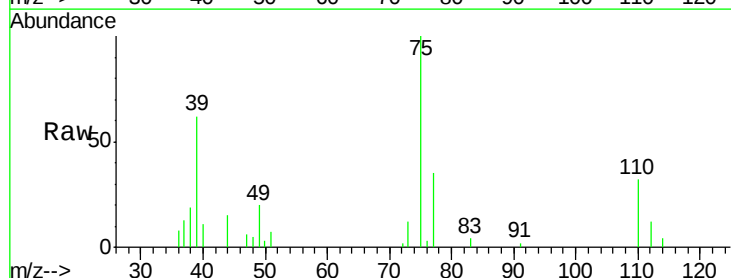
Acq: 23 Oct 2020 00:22

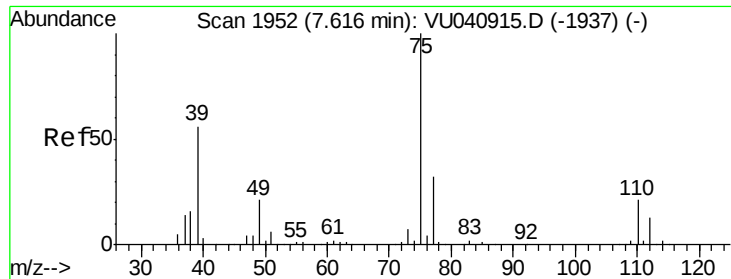
Tgt Ion: 75 Resp: 8603

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.4





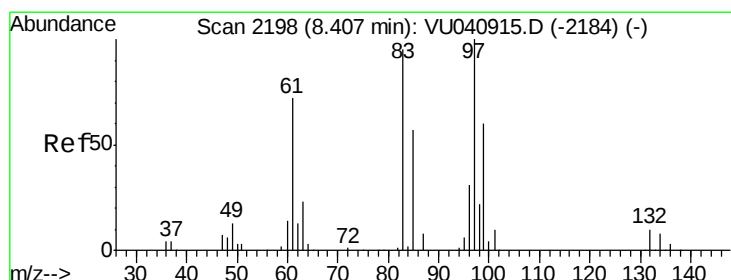
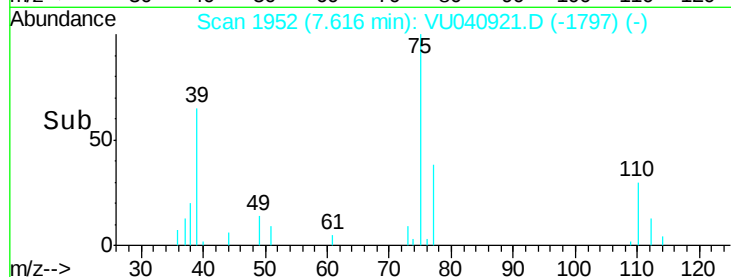
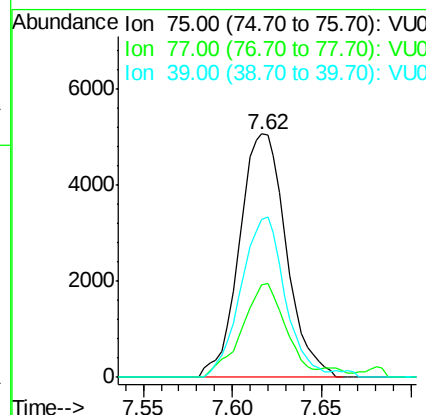
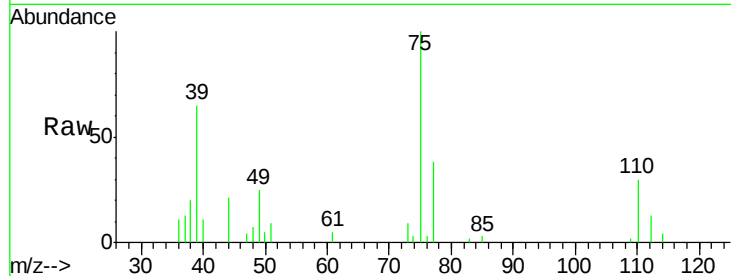
#51
 cis-1,3-Dichloropropene
 Concen: 0.390 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 9253
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.4 38.0#
 39 64.6 44.7 67.1

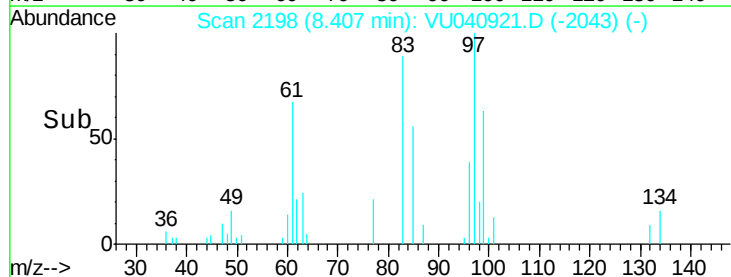
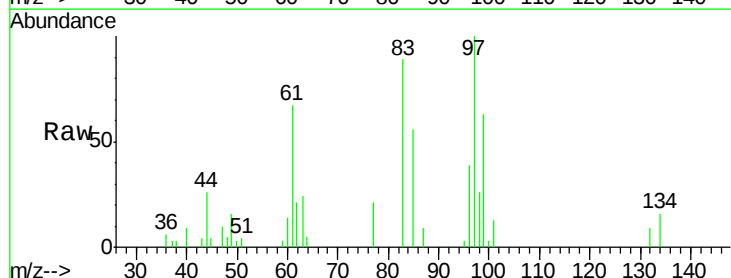
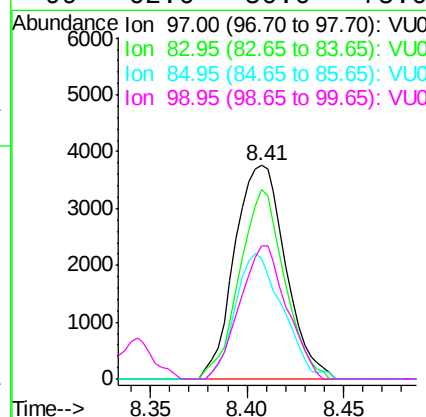
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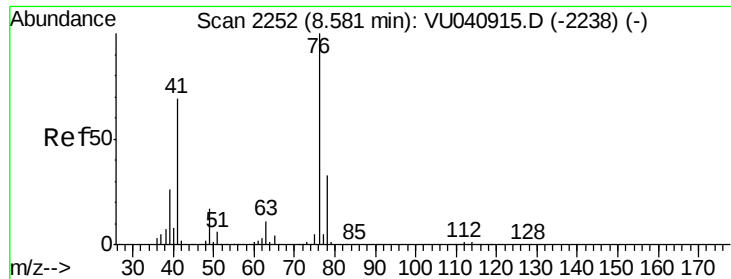
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#52
 1,1,2-Trichloroethane
 Concen: 0.505 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 97 Resp: 6899
 Ion Ratio Lower Upper
 97 100
 83 88.5 75.9 113.9
 85 56.5 46.1 69.1
 99 62.6 50.0 75.0





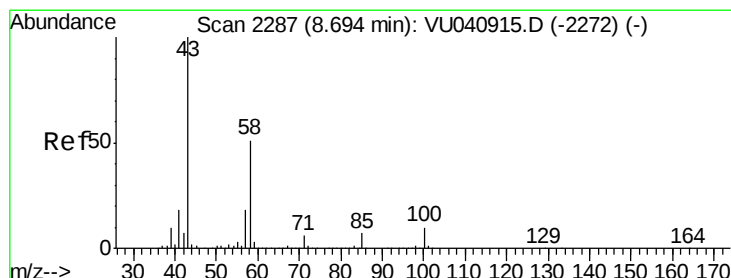
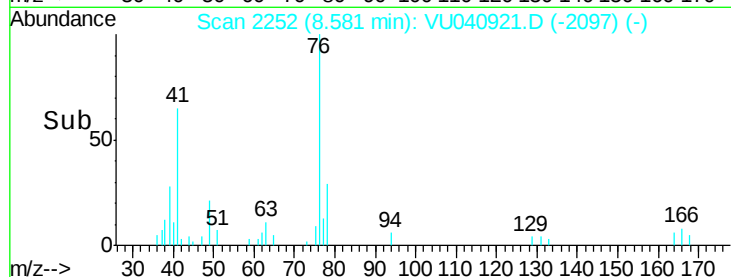
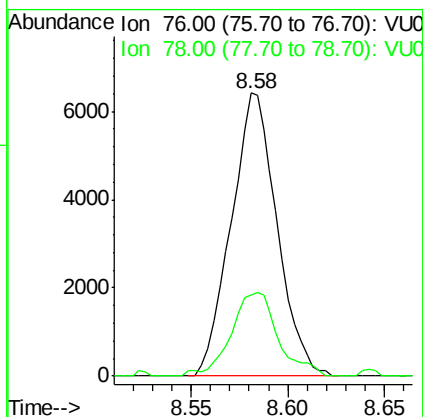
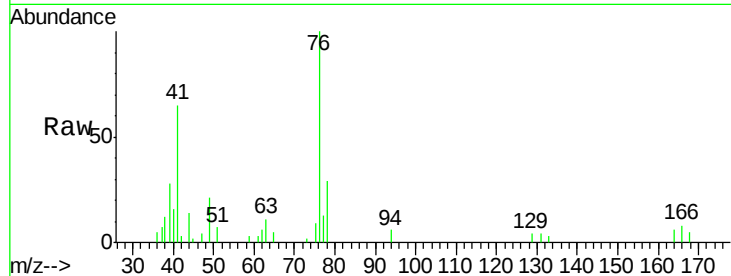
#53
 1,3-Dichloropropane
 Concen: 0.431 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	26.6	39.8

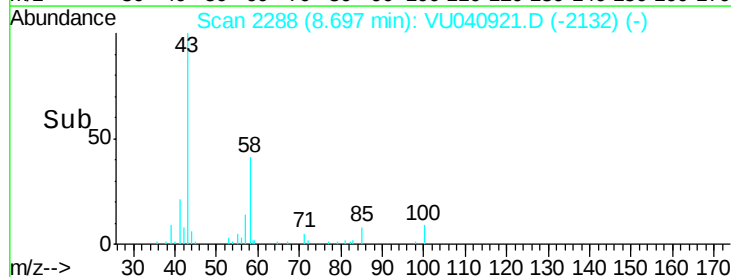
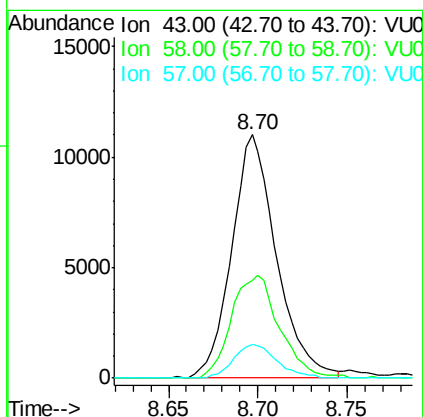
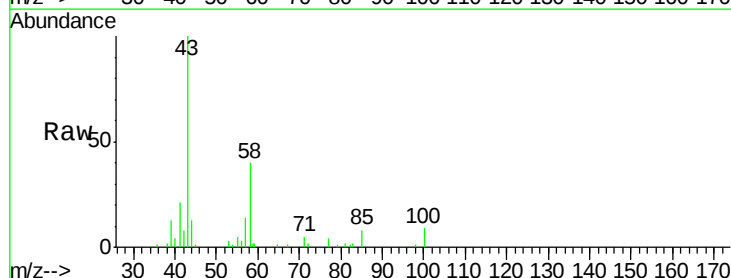
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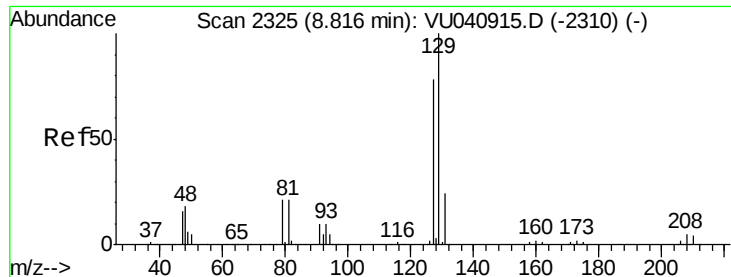
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#54
 2-Hexanone
 Concen: 1.950 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.0	30.2	70.2
57	13.3	0.0	37.4





#55

Dibromochloromethane

Concen: 0.449 ug/l

RT: 8.82 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 7351

Ion Ratio Lower Upper

129 100

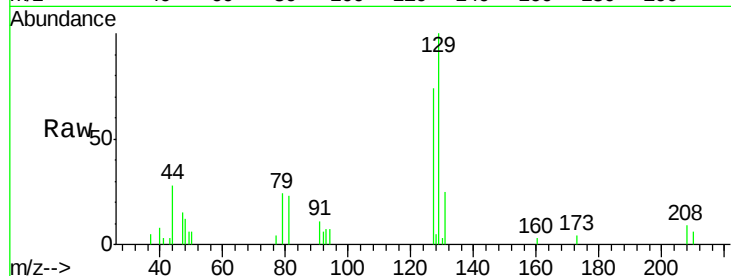
127 73.7 63.1 94.7

Manual Integrations

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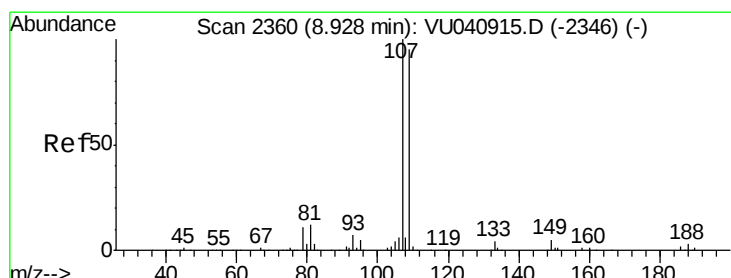
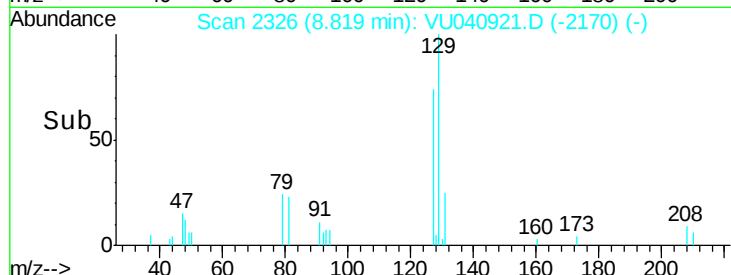
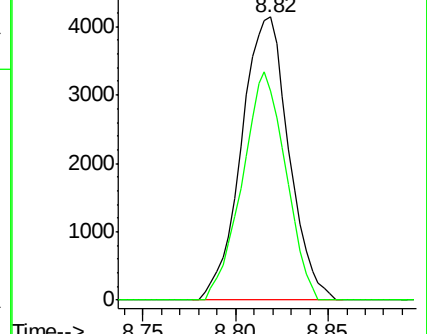
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.461 ug/l

RT: 8.93 min Scan# 2362

Delta R.T. 0.01 min

Lab File: VU040921.D

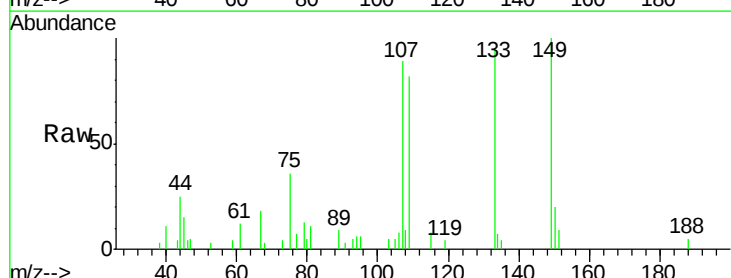
Acq: 23 Oct 2020 00:22

Tgt Ion:107 Resp: 5840

Ion Ratio Lower Upper

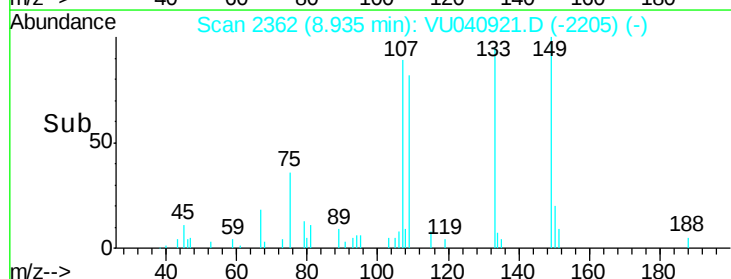
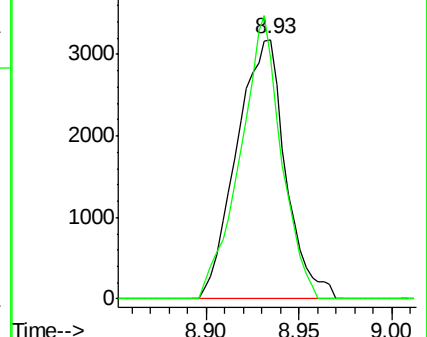
107 100

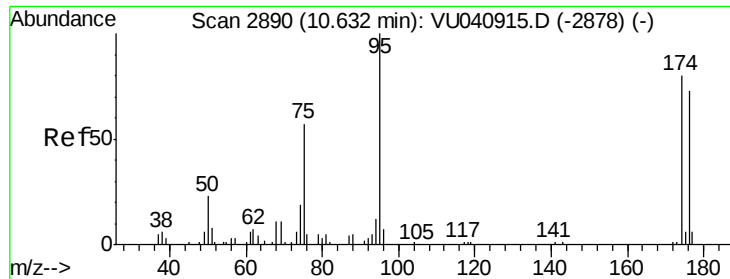
109 91.5 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





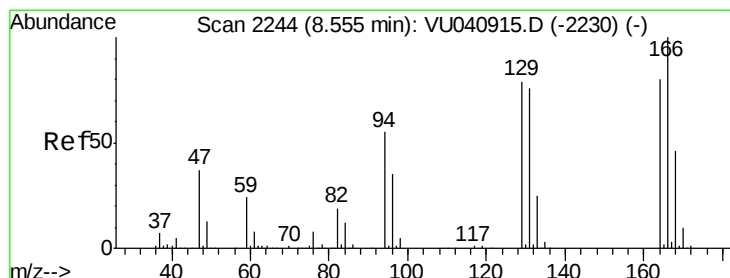
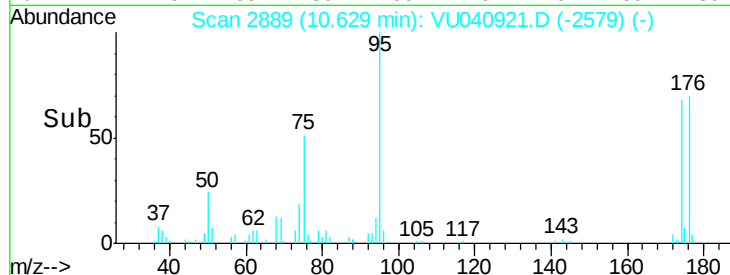
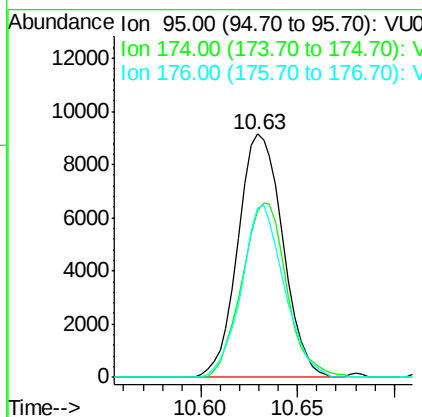
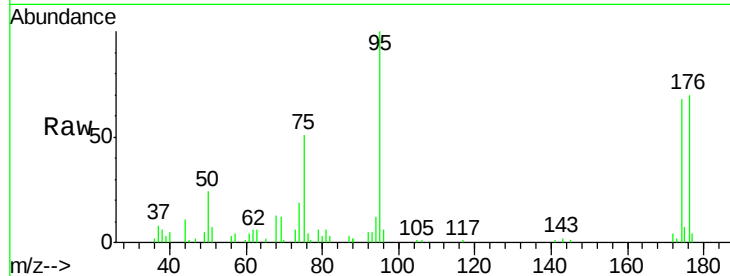
#57
4-Bromofluorobenzene
Concen: 0.760 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.7	60.3	90.5
176	67.7	55.6	83.4

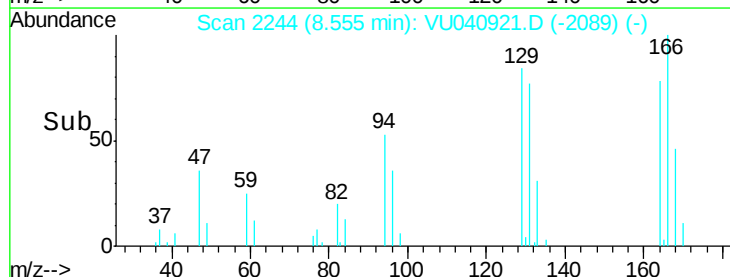
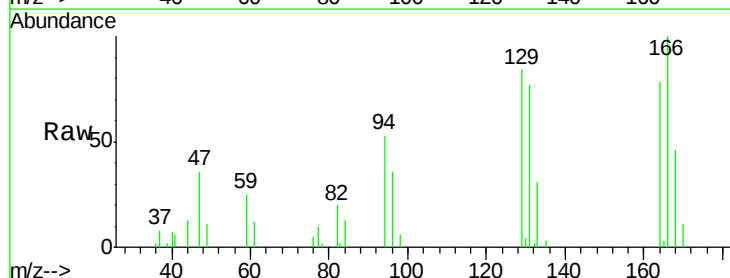
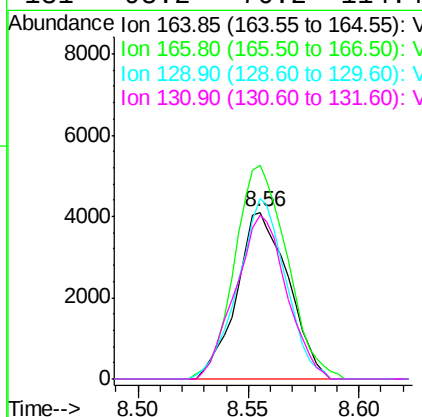
Manual Integrations
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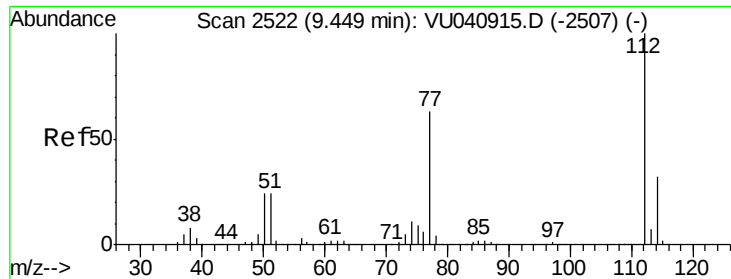
MMDadoda
10/26/2020 4:15:30 PM



#58
Tetrachloroethene
Concen: 0.446 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.3	150.5
129	107.9	79.4	119.0
131	98.2	76.2	114.4





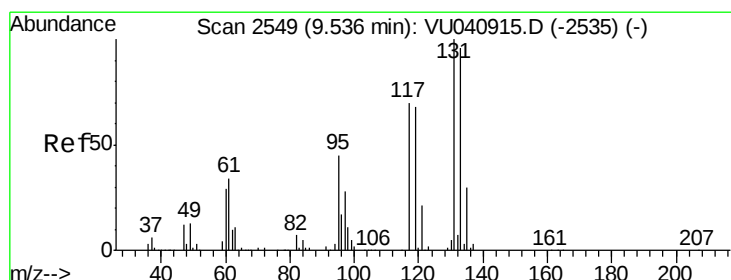
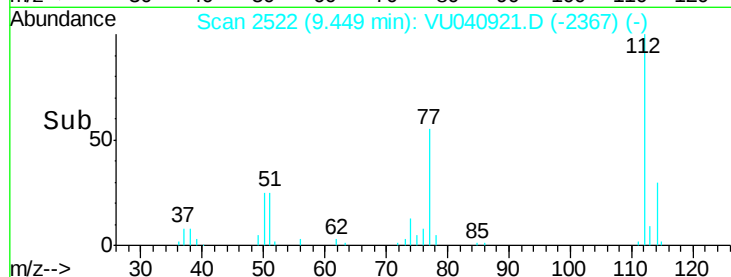
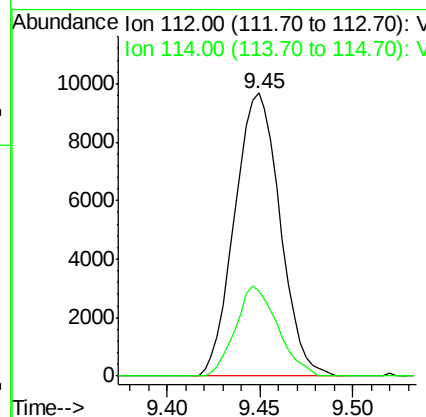
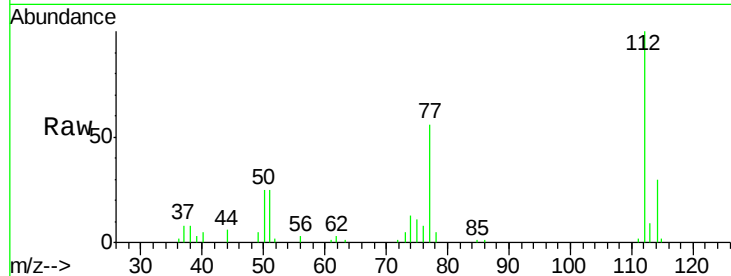
#59
Chlorobenzene
Concen: 0.415 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:112 Resp: 16401
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8

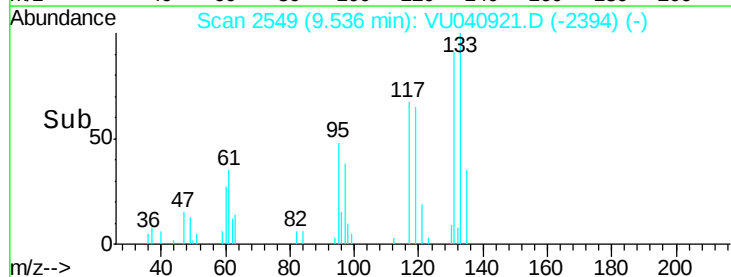
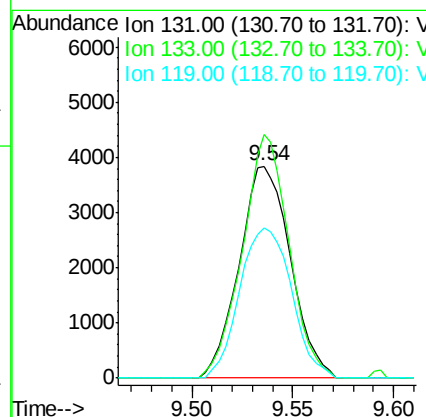
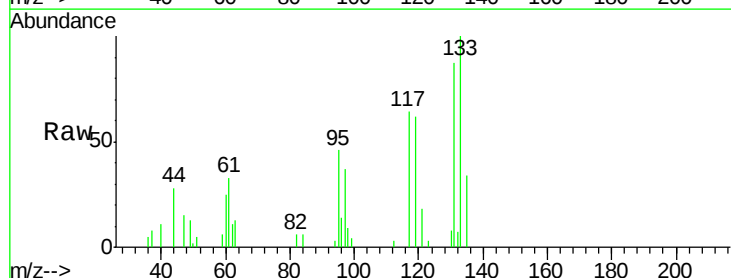
Manual Integrations
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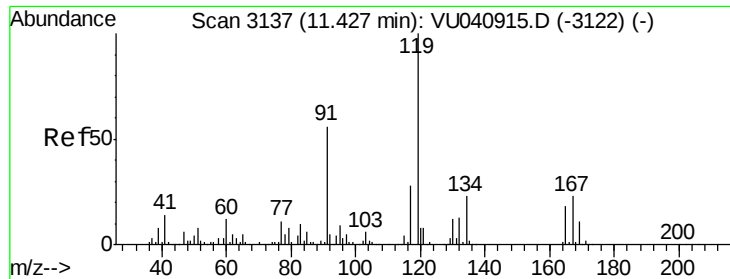
MMDadoda
10/26/2020 4:15:30 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.439 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:131 Resp: 6820
Ion Ratio Lower Upper
131 100
133 104.6 77.4 116.0
119 71.9 53.5 80.3





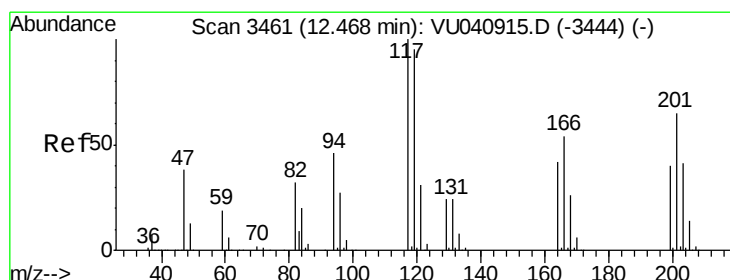
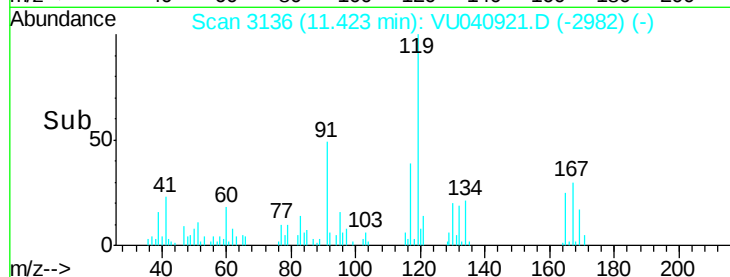
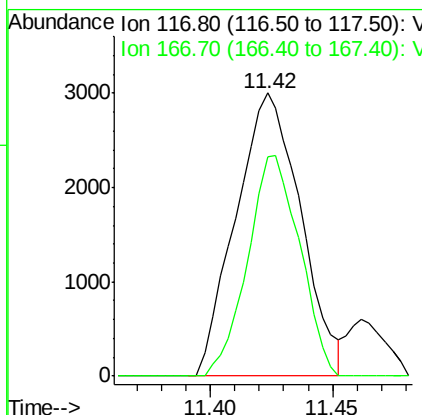
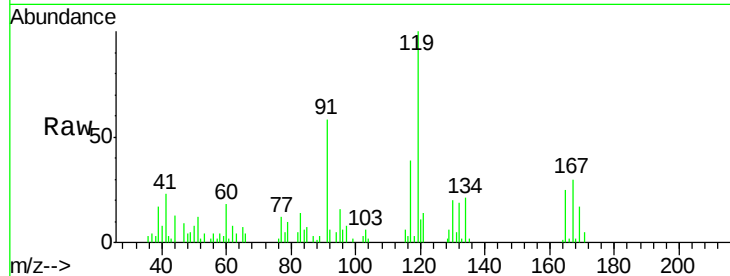
#61
 Pentachloroethane
 Concen: 0.441 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:117 Resp: 5530
 Ion Ratio Lower Upper
 117 100
 167 62.4 59.4 89.2

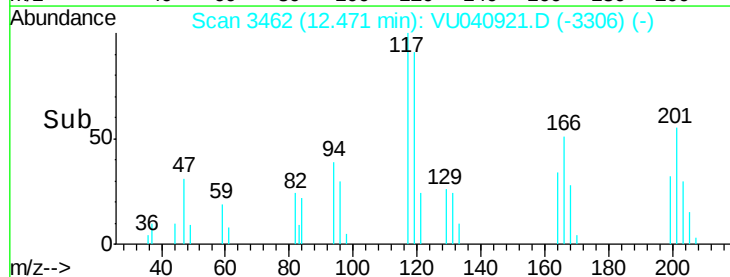
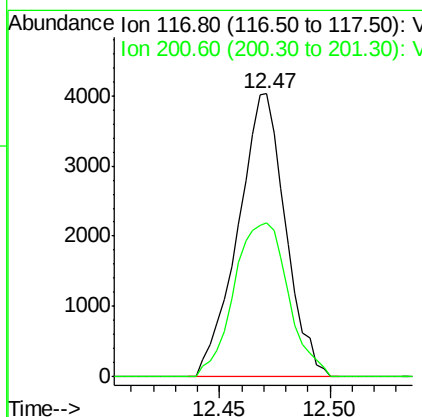
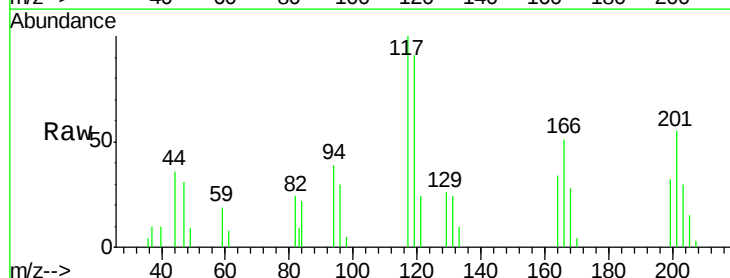
Manual Integrations
 APPROVED

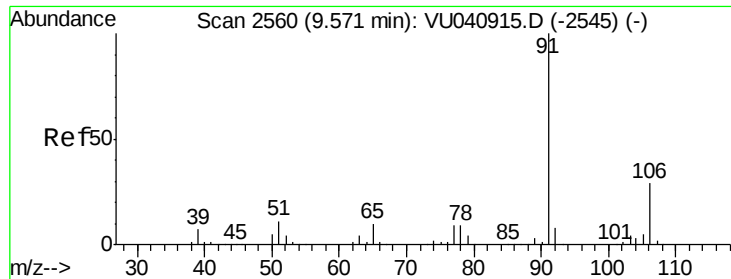
MMDadoda
 10/26/2020 4:15:30 PM



#62
 Hexachloroethane
 Concen: 0.472 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion:117 Resp: 6033
 Ion Ratio Lower Upper
 117 100
 201 62.0 52.6 78.8





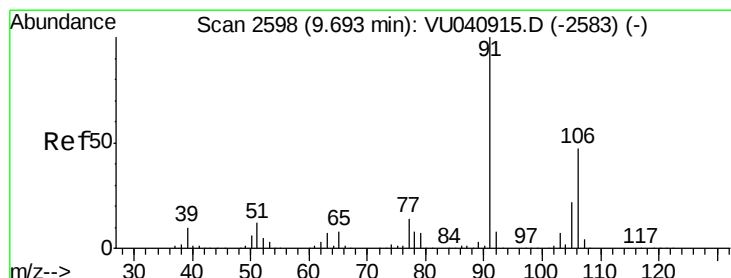
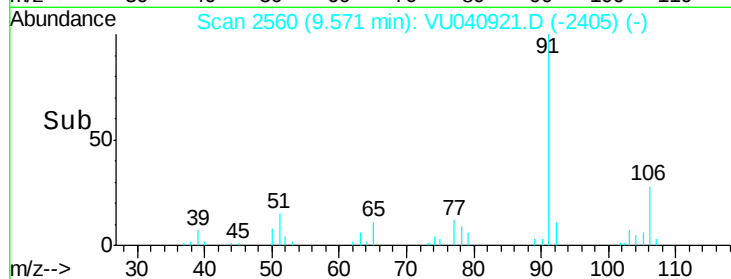
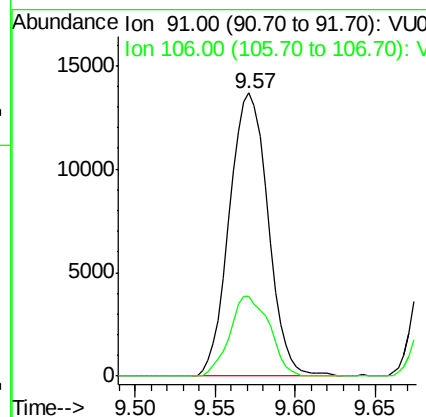
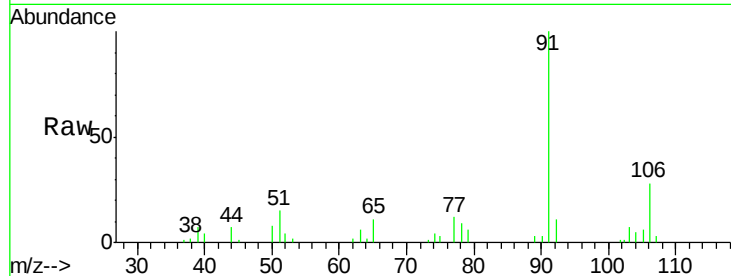
#63
Ethyl Benzene
Concen: 0.344 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 22554
Ion Ratio Lower Upper
91 100
106 28.0 23.5 35.3

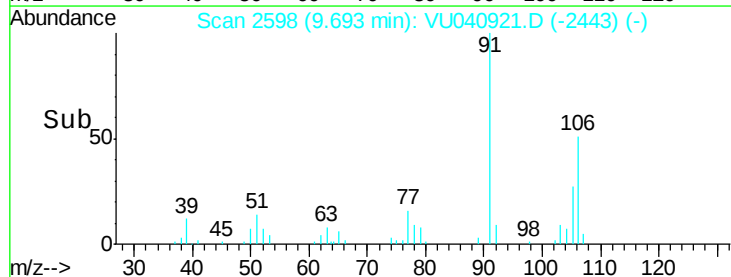
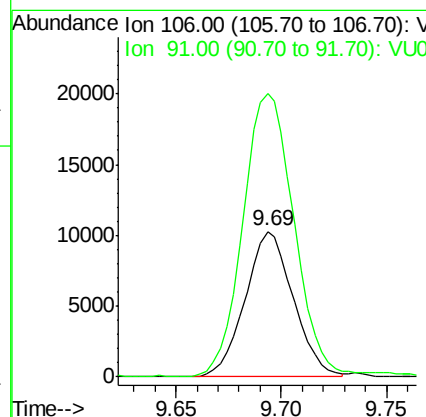
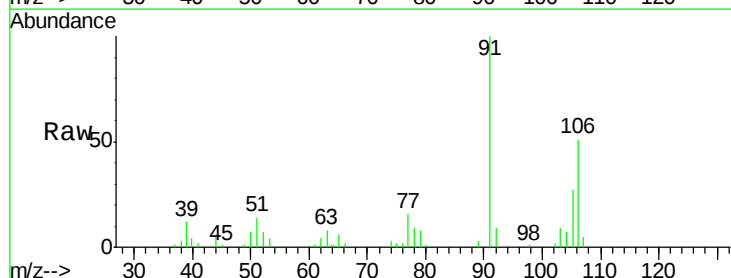
Manual Integrations
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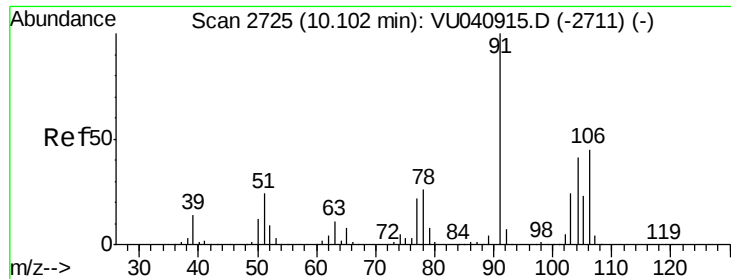
MMDadoda
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#64
m/p-Xylenes
Concen: 0.652 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 106 Resp: 16268
Ion Ratio Lower Upper
106 100
91 207.4 168.3 252.5





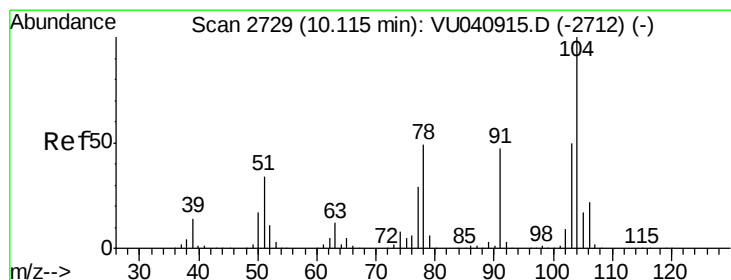
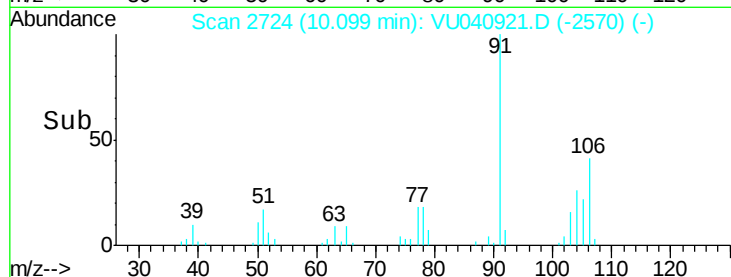
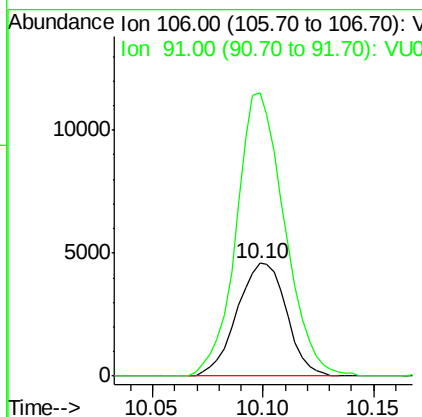
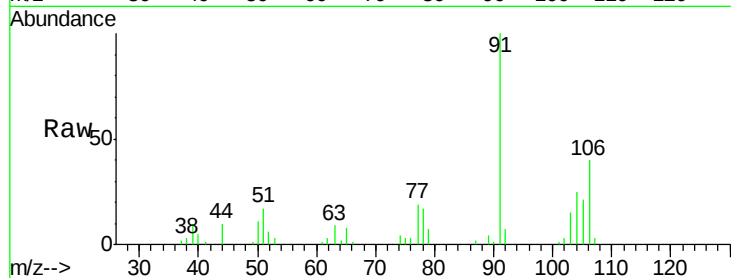
#65
o-Xylene
Concen: 0.312 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 7165
Ion Ratio Lower Upper
106 100
91 244.7 111.3 333.9

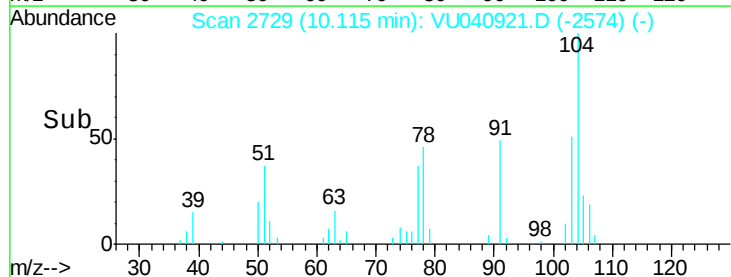
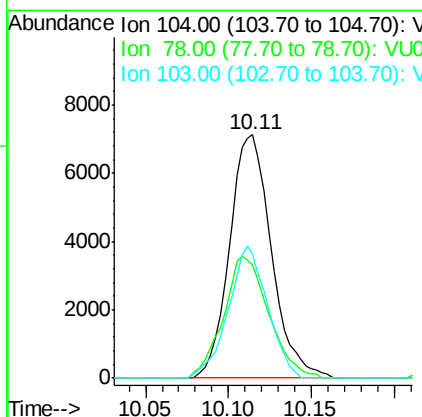
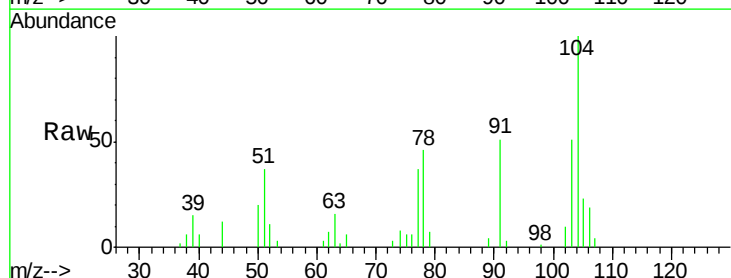
Manual Integrations
APPROVED

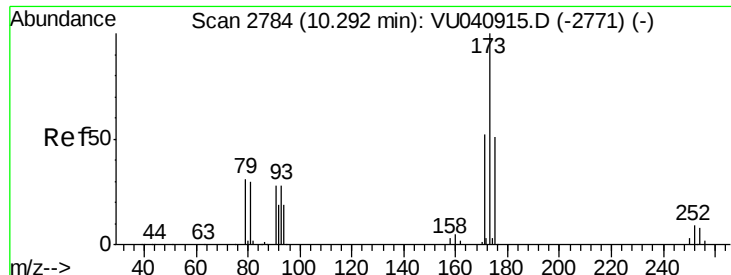
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#66
Styrene
Concen: 0.308 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:104 Resp: 12508
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 50.9 43.1 64.7





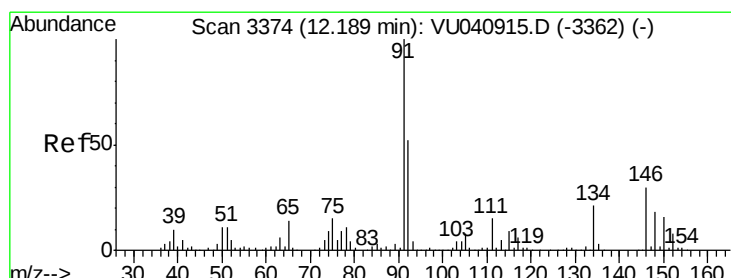
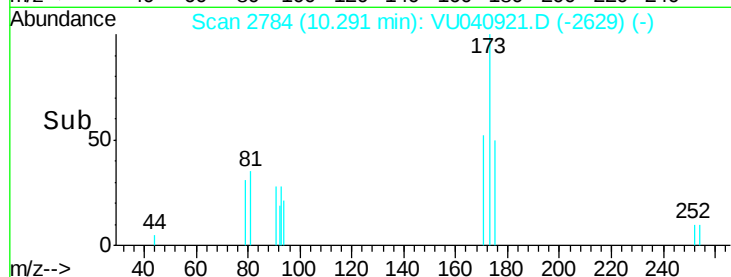
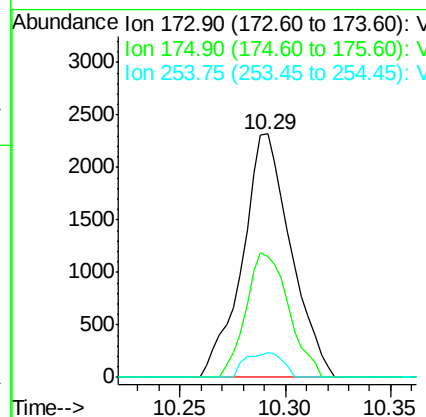
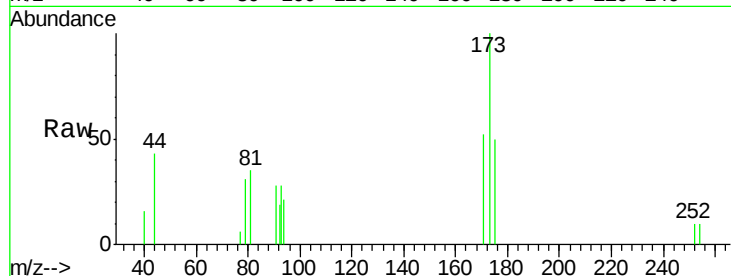
#67
Bromoform
Concen: 0.417 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.1	39.0	58.4
254	7.8	6.6	9.8

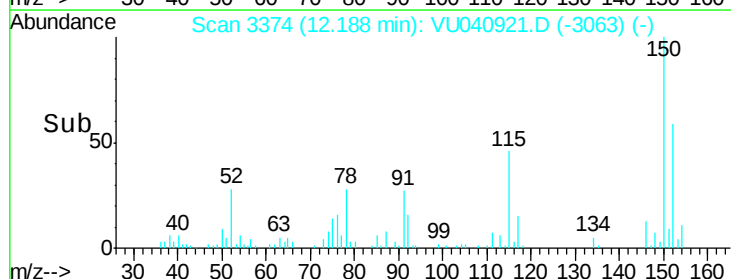
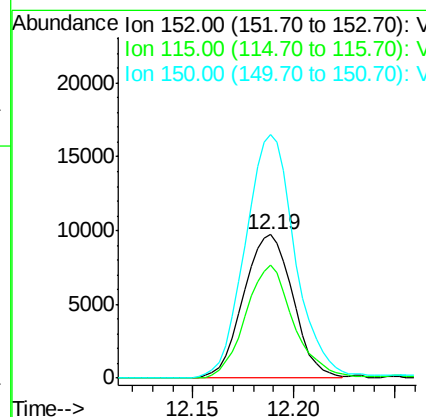
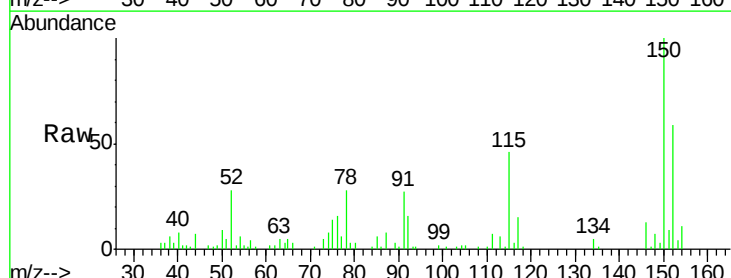
Manual Integrations
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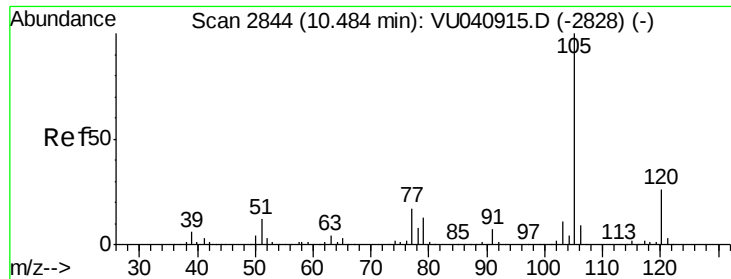
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#68
1,2-Dichlorobenzene-d4
Concen: 0.826 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.9	0.0	323.4
150	171.8	0.0	653.8





#69

Isopropylbenzene

Concen: 0.319 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 105 Resp: 19538

Ion Ratio Lower Upper

105 100

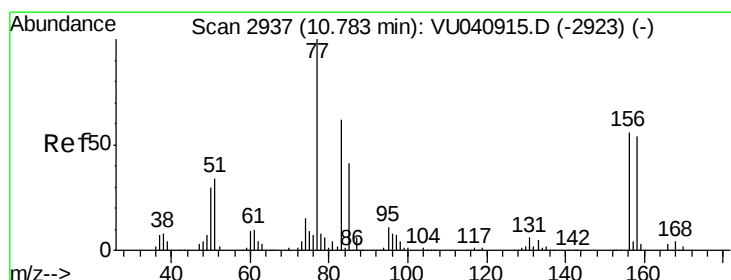
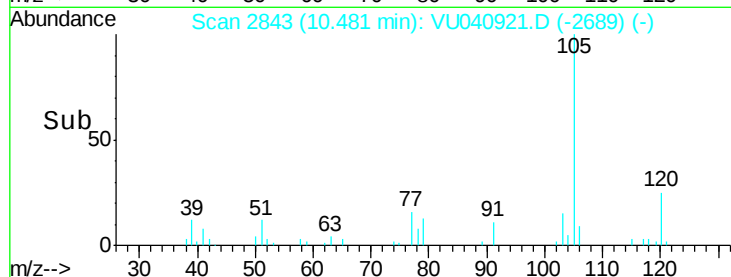
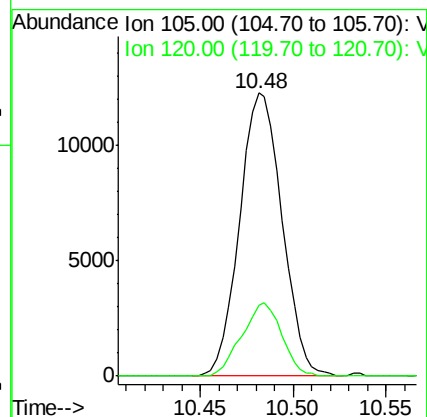
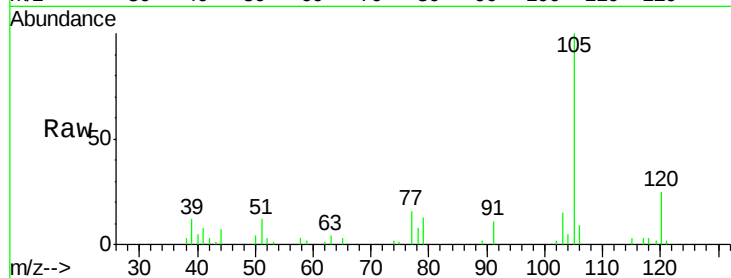
120 24.3 12.9 38.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.508 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

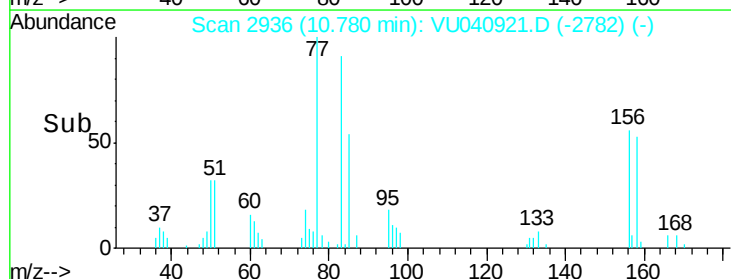
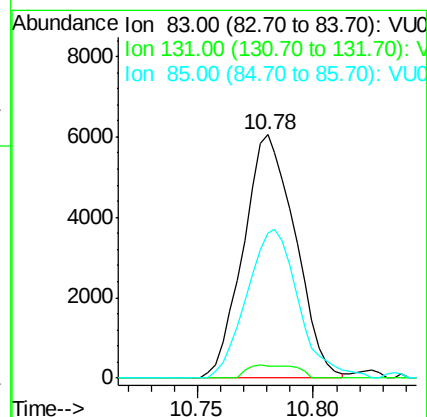
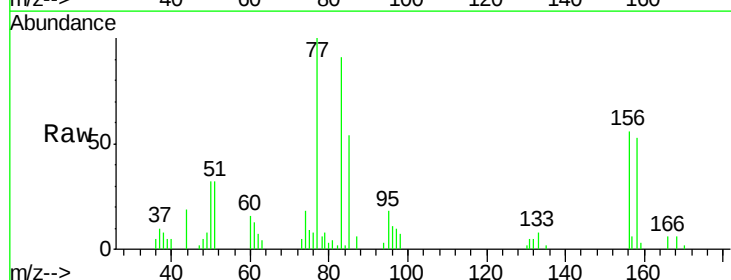
Tgt Ion: 83 Resp: 9429

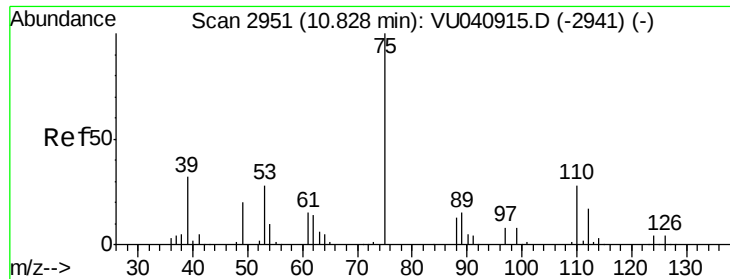
Ion Ratio Lower Upper

83 100

131 2.9 7.1 10.7#

85 60.8 51.8 77.6





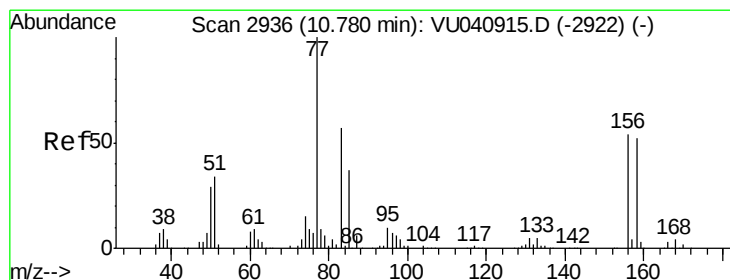
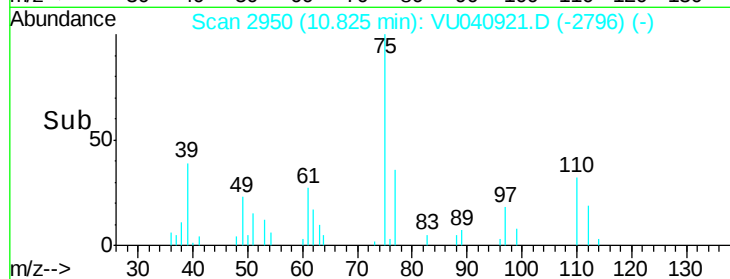
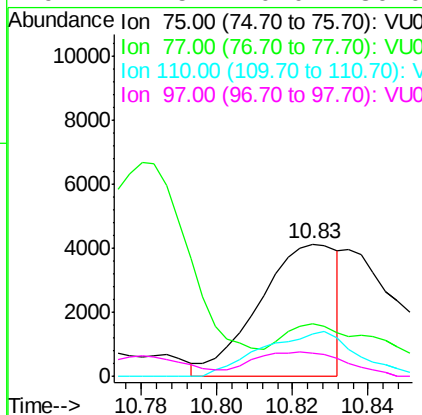
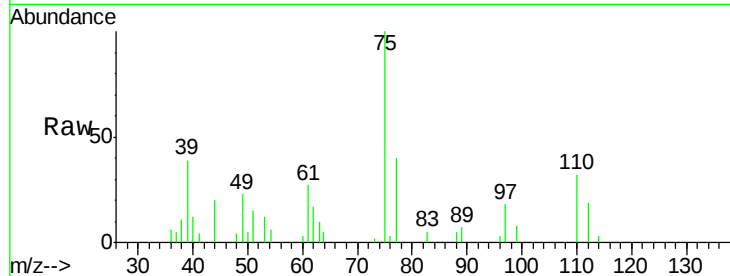
#71
1,2,3-Trichloropropane
Concen: 0.418 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:	75	Resp:	5923
Ion	Ratio	Lower	Upper
75	100		
77	52.8	0.0	110.8
110	40.9	0.0	73.4
97	22.5	0.0	36.0

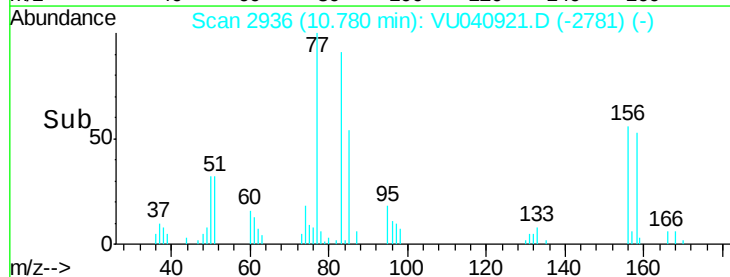
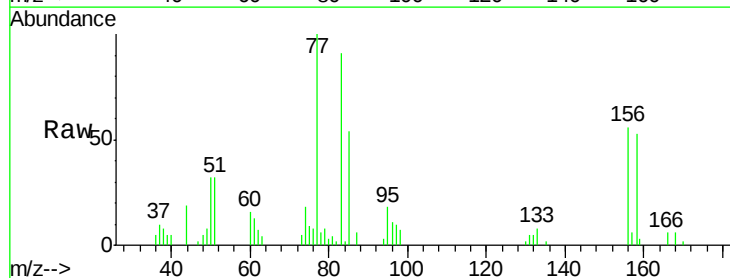
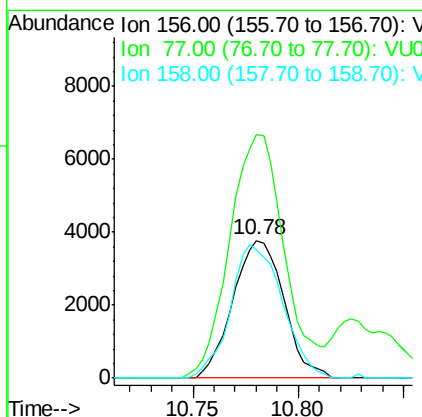
Manual Integrations
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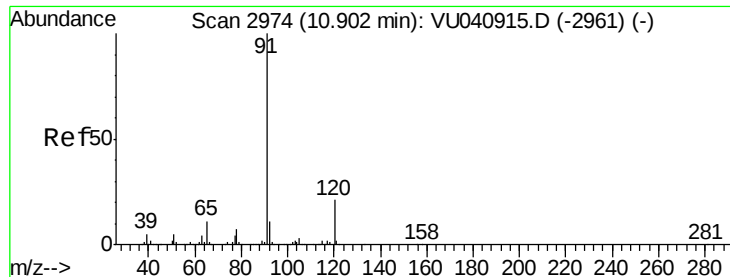
MMDadoda
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#72
Bromobenzene
Concen: 0.396 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:	156	Resp:	6325
Ion	Ratio	Lower	Upper
156	100		
77	191.4	0.0	370.2
158	99.4	0.0	193.2





#73

n-propylbenzene

Concen: 0.294 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:120 Resp: 5155

Ion Ratio Lower Upper

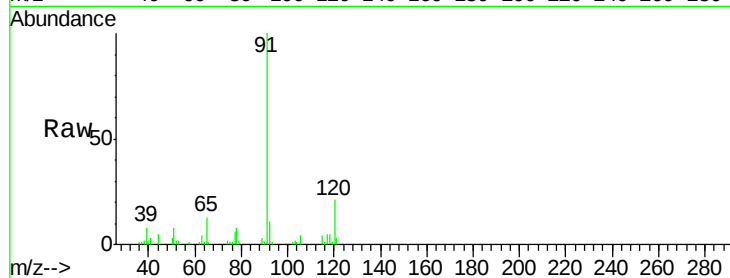
120 100

91 507.3 370.8 556.2

Manual Integrations
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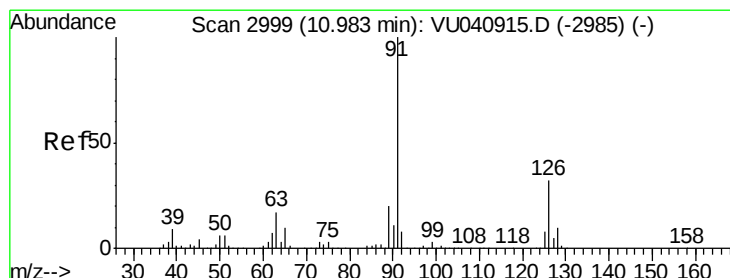
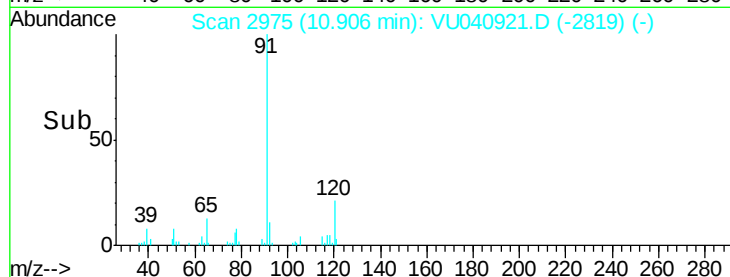
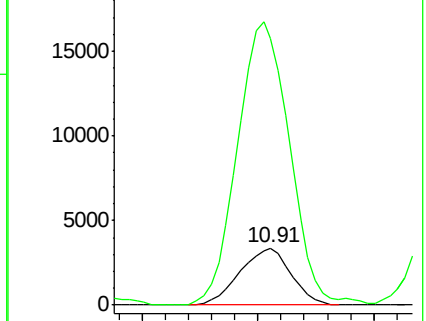
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.336 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040921.D

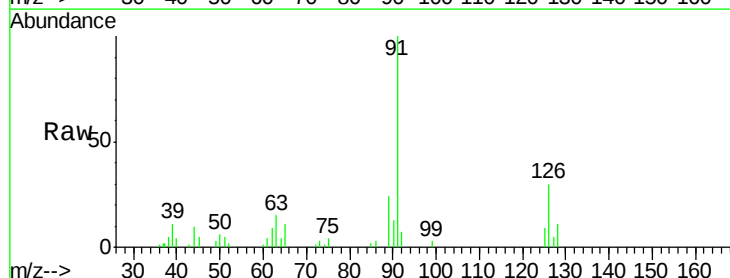
Acq: 23 Oct 2020 00:22

Tgt Ion:126 Resp: 5351

Ion Ratio Lower Upper

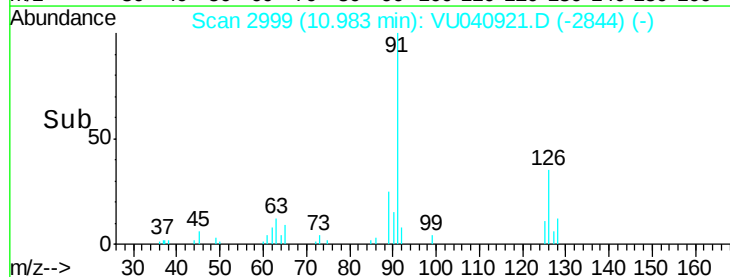
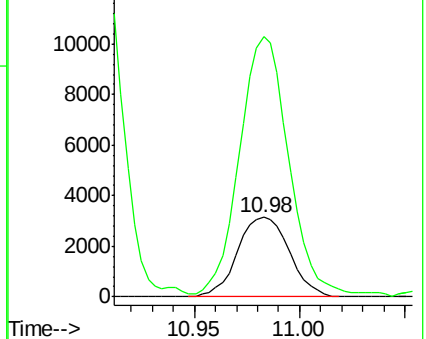
126 100

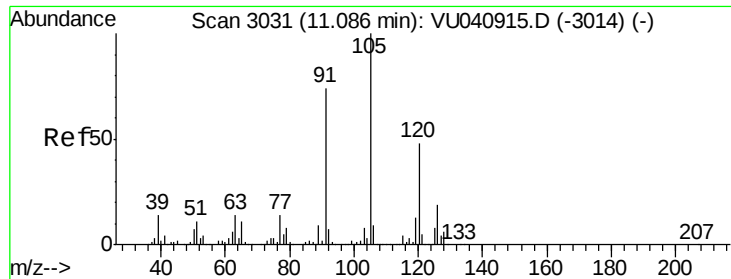
91 316.3 0.0 633.2



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: 0.309 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 16927

Ion Ratio Lower Upper

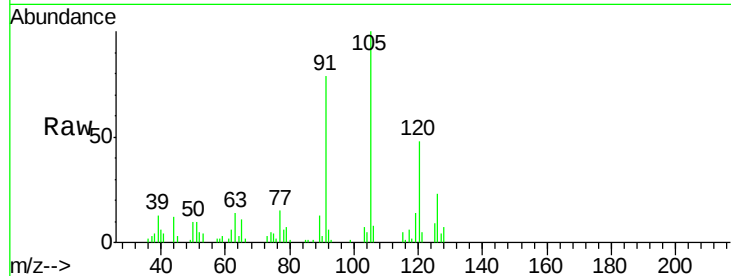
105 100

120 47.2 38.7 58.1

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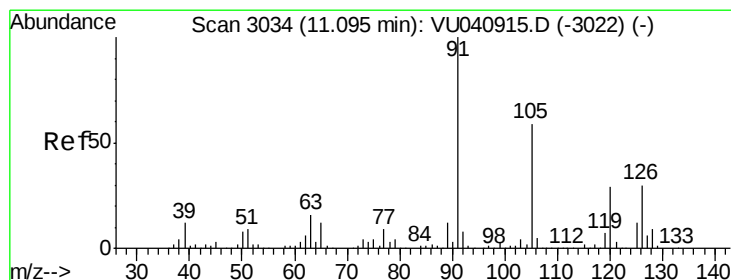
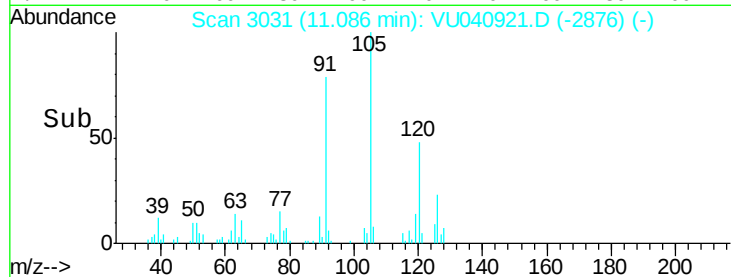
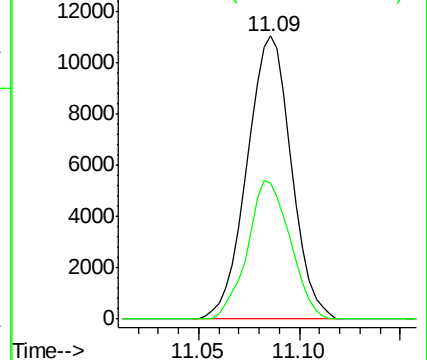
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.338 ug/l

RT: 11.09 min Scan# 3033

Delta R.T. -0.00 min

Lab File: VU040921.D

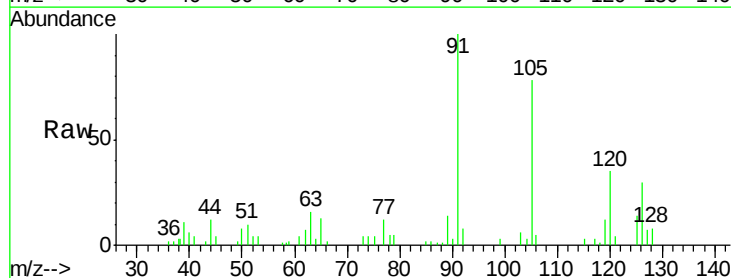
Acq: 23 Oct 2020 00:22

Tgt Ion:126 Resp: 5582

Ion Ratio Lower Upper

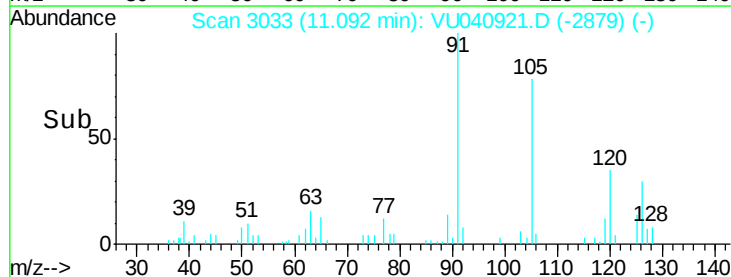
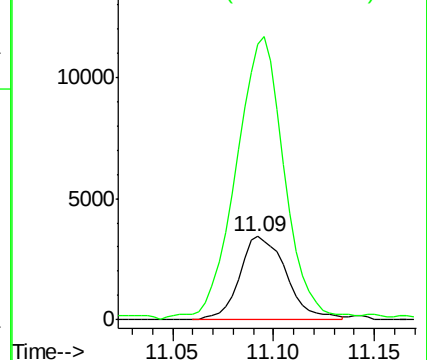
126 100

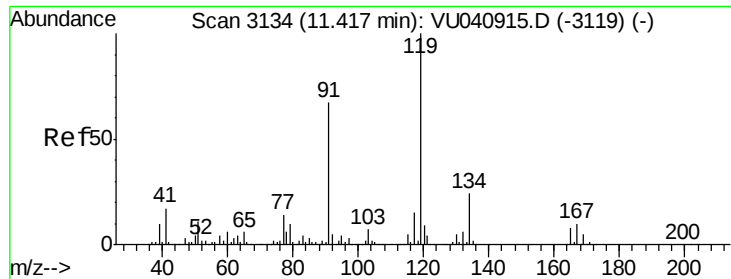
91 352.7 0.0 730.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.328 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

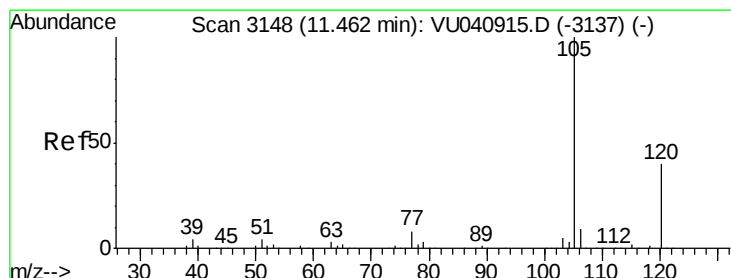
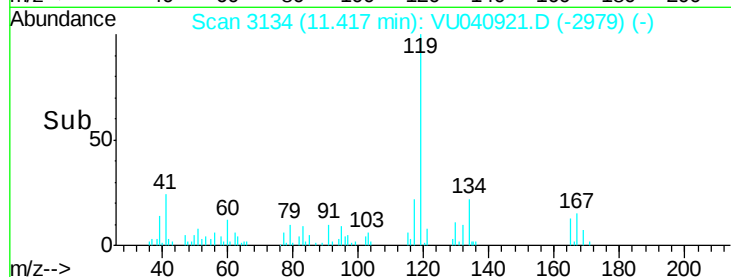
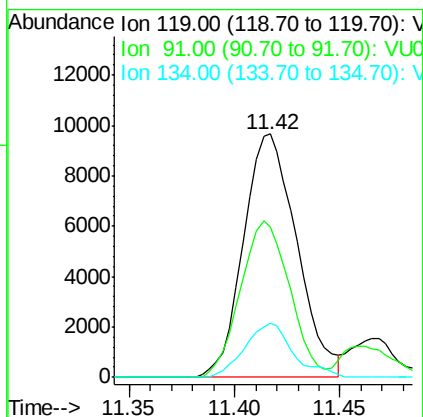
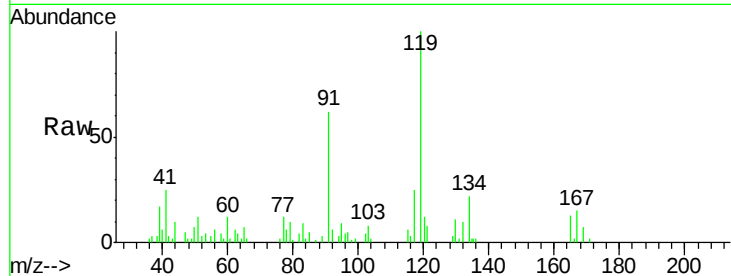
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	119	Resp:	16979
Ion	Ratio	Lower	Upper
119	100		
91	59.2	32.0	96.2
134	20.2	18.4	27.6

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#78

1,2,4-Trimethylbenzene

Concen: 0.287 ug/l

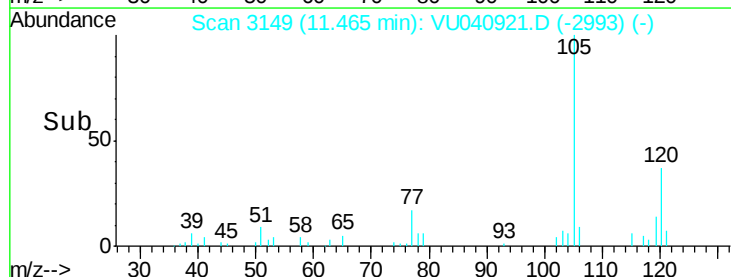
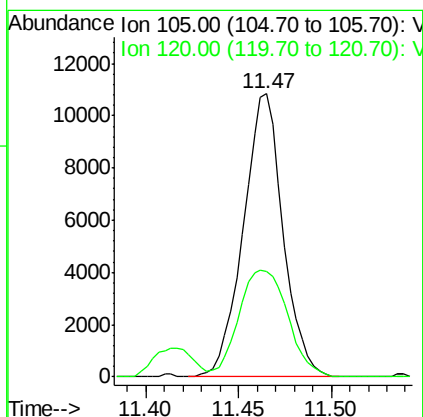
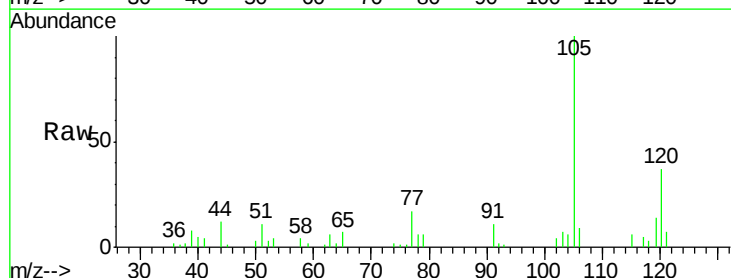
RT: 11.47 min Scan# 3149

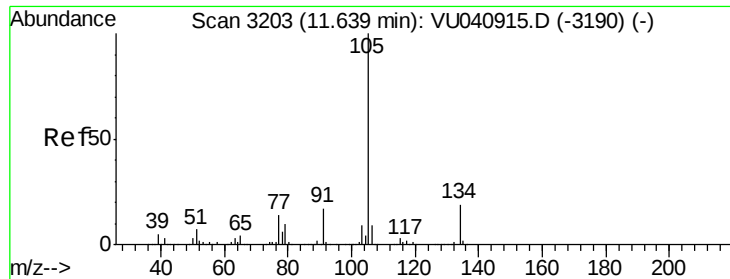
Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion:	105	Resp:	16100
Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.6	67.8





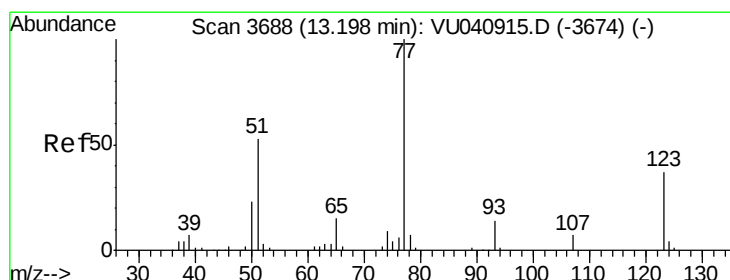
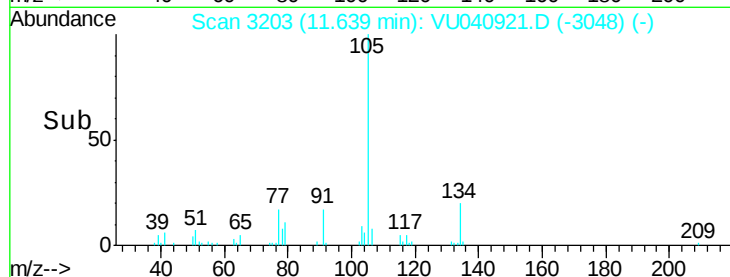
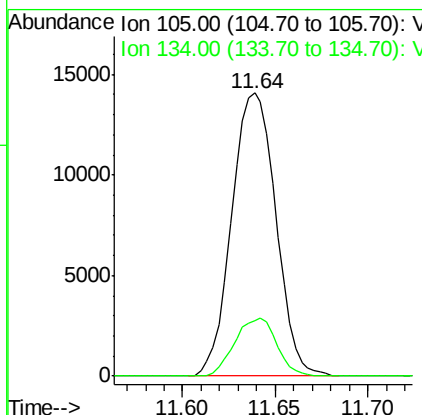
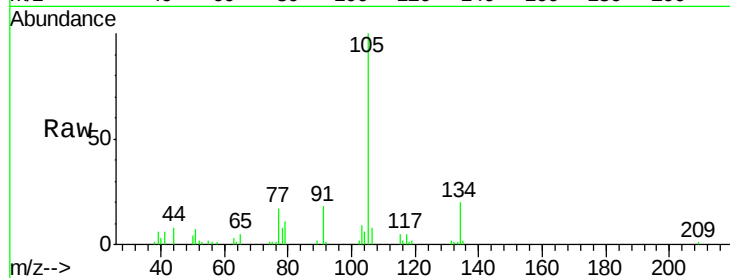
#79
 sec-Butylbenzene
 Concen: 0.324 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.4	23.0

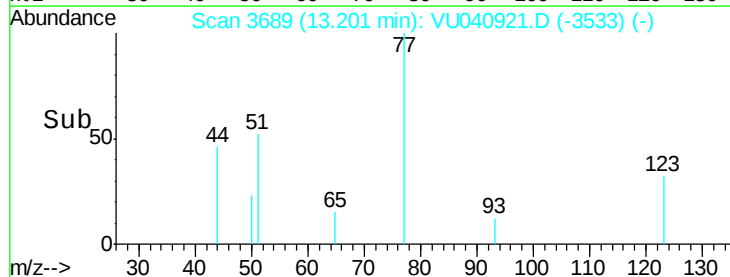
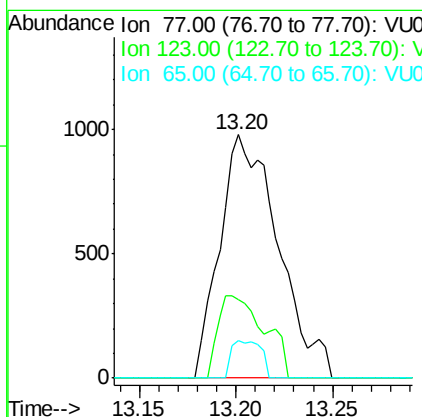
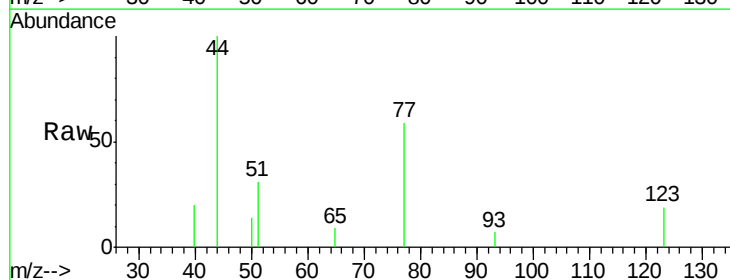
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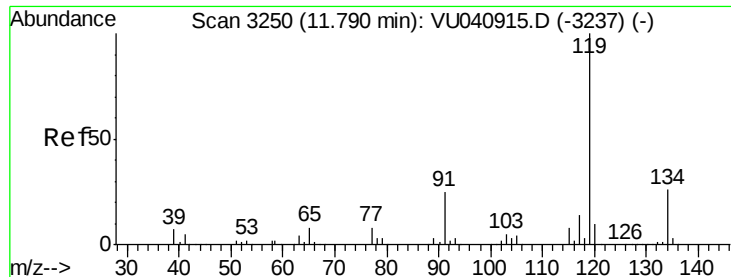
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#80
 Nitrobenzene
 Concen: 2.347 ug/l
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
77	100		
123	27.0	16.8	59.4
65	7.7	11.0	14.0





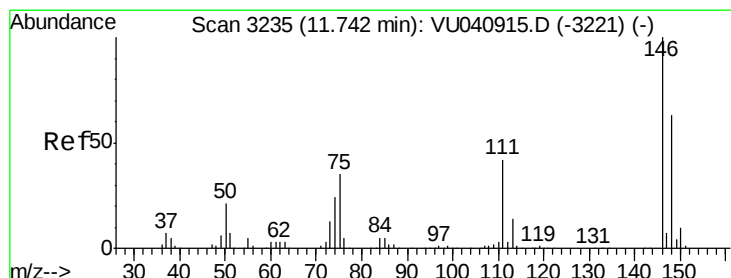
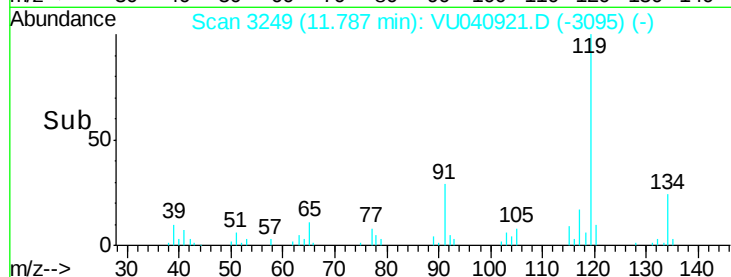
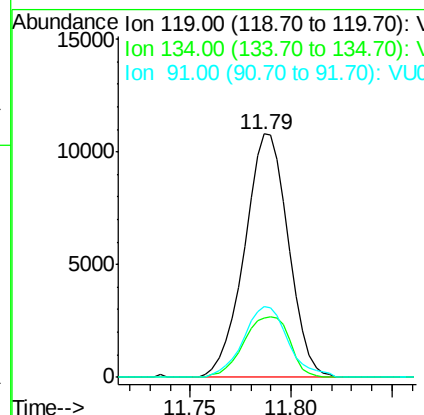
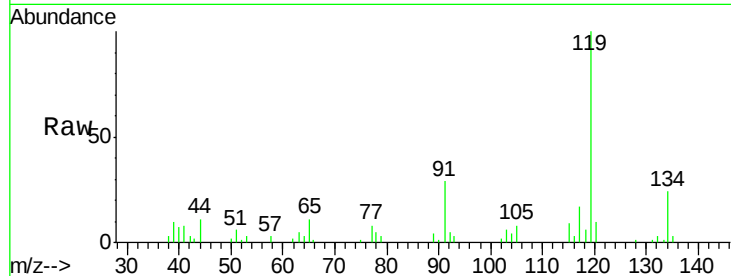
#81
 p-Isopropyltoluene
 Concen: 0.278 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.4	30.6
91	29.9	20.4	30.6

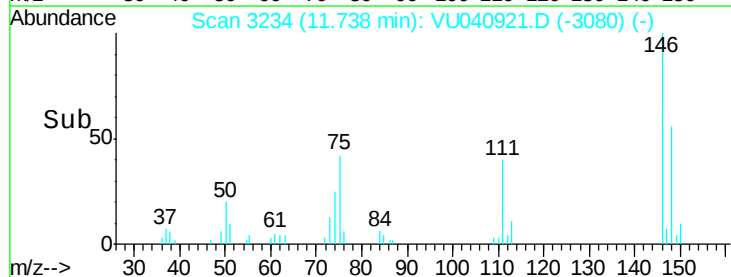
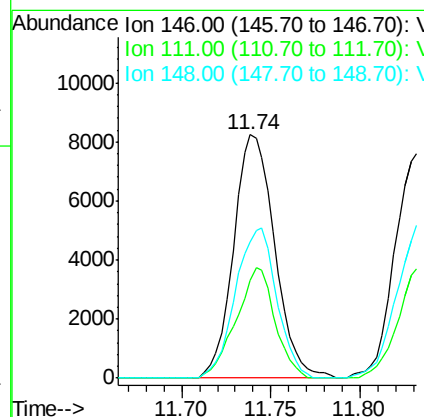
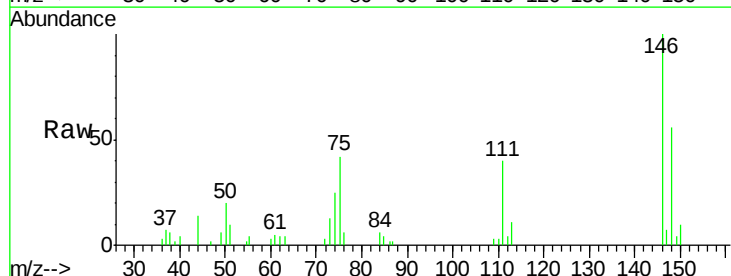
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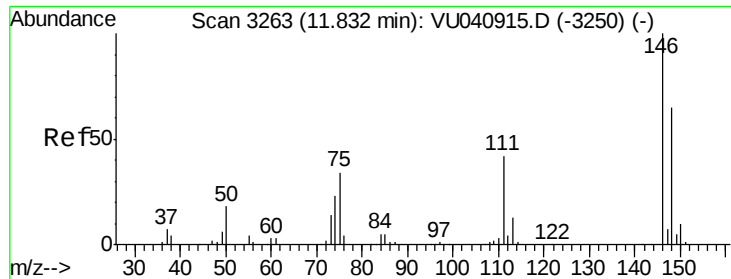
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#82
 1,3-Dichlorobenzene
 Concen: 0.380 ug/l
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	33.6	50.4
148	61.8	50.1	75.1





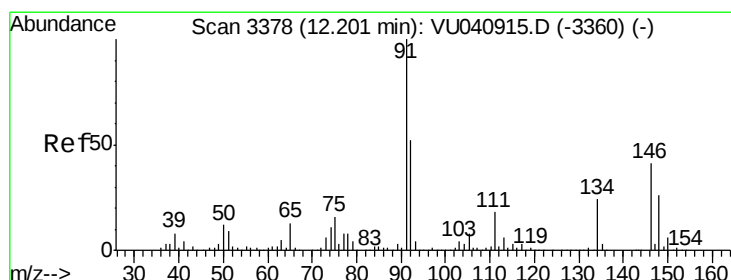
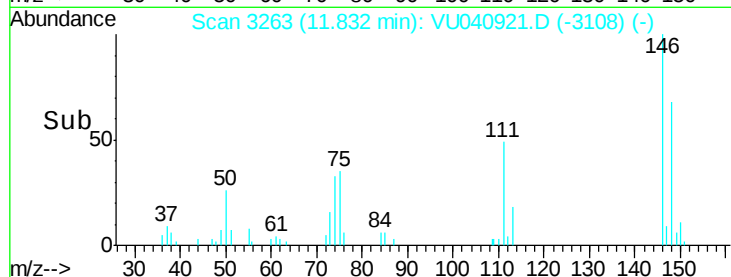
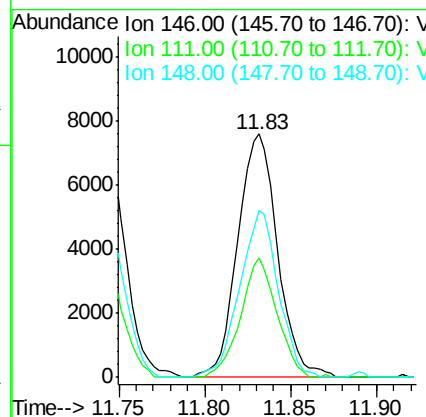
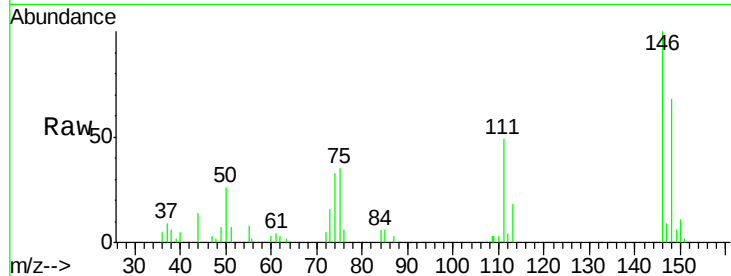
#83
 1,4-Dichlorobenzene
 Concen: 0.347 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	33.7	50.5
148	66.4	50.6	75.8

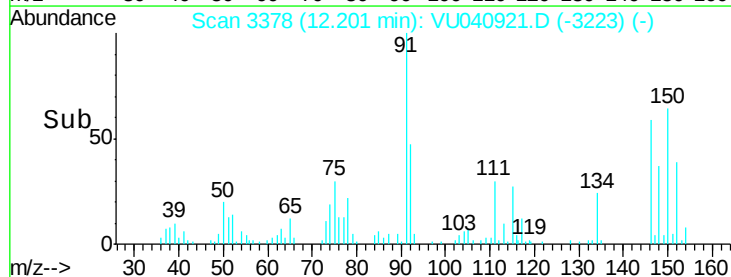
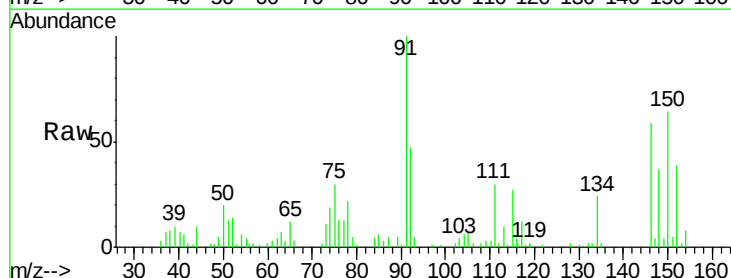
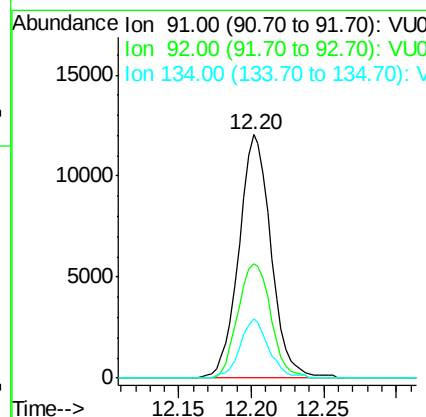
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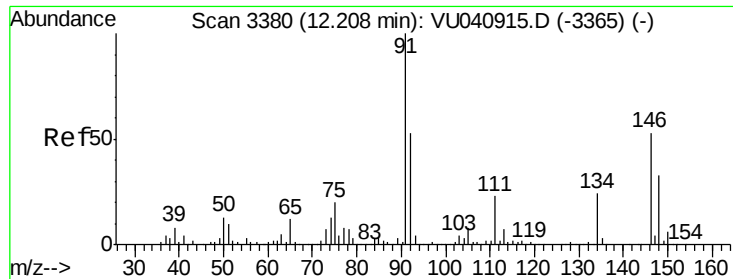
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#84
 n-Butylbenzene
 Concen: 0.308 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.9	41.7	62.5
134	21.7	18.6	28.0





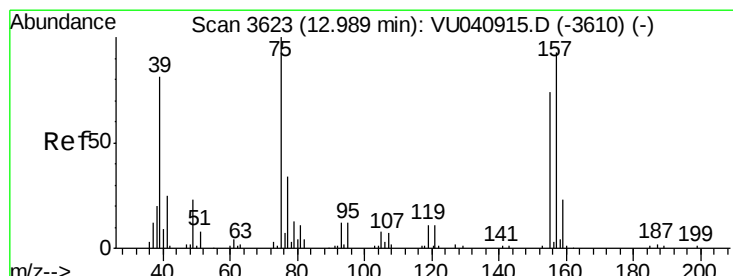
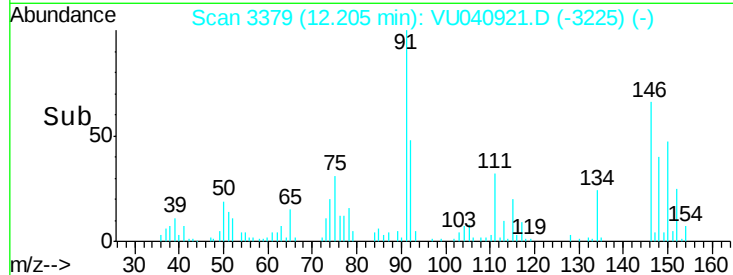
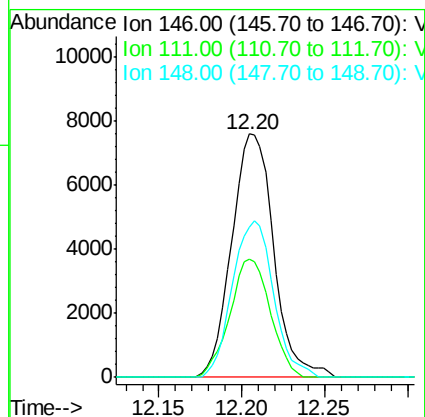
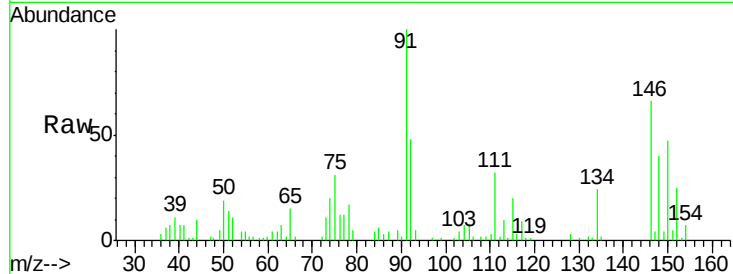
#85
 1,2-Dichlorobenzene
 Concen: 0.402 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.3	66.9
148	62.8	31.5	94.5

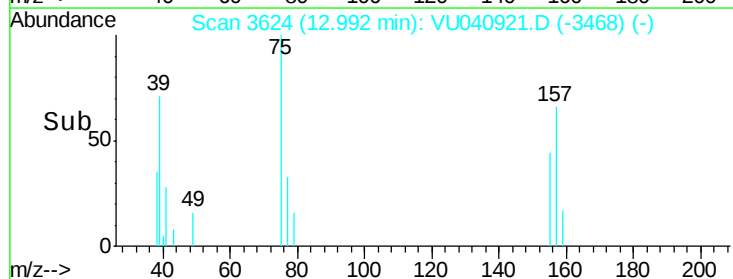
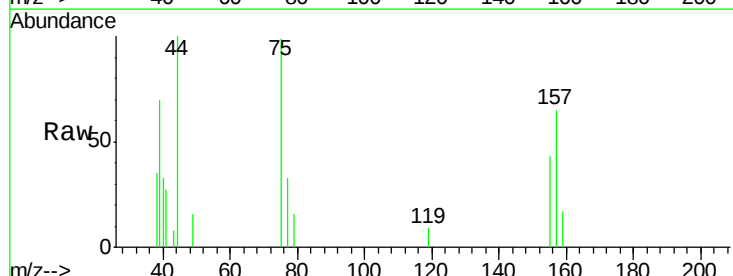
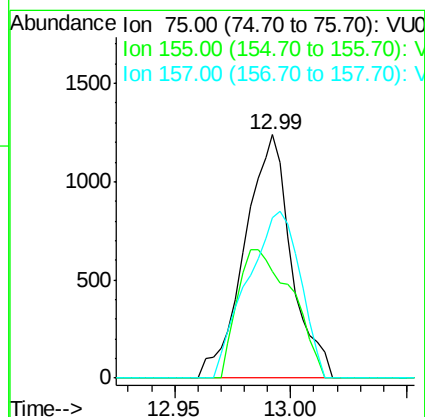
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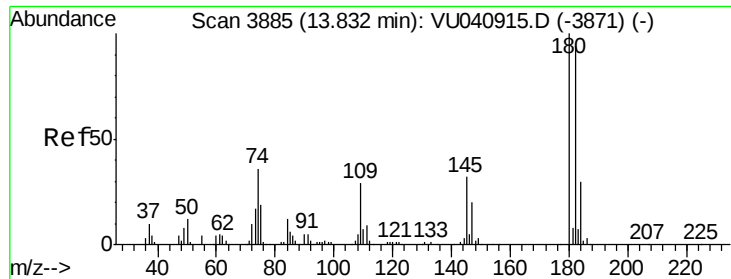
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.500 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.8	57.1	85.7
157	77.8	72.4	108.6





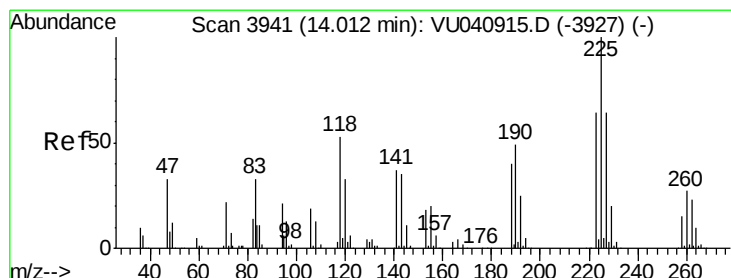
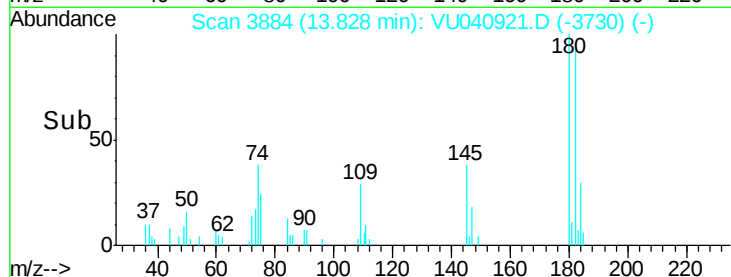
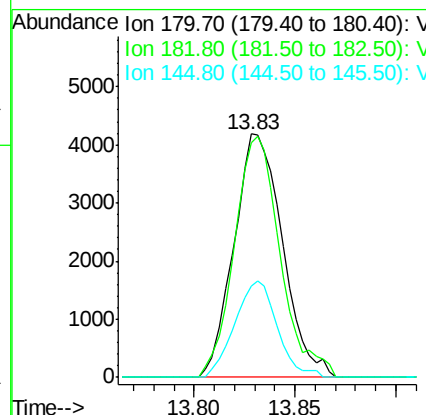
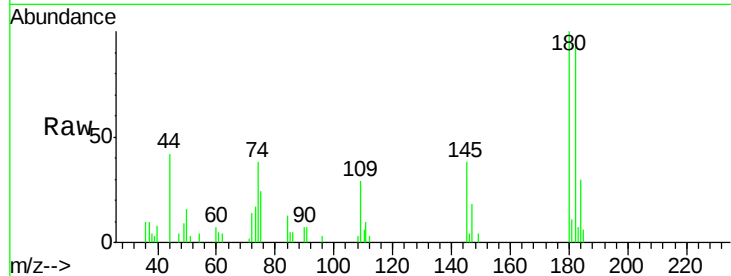
#87
 1,2,4-Trichlorobenzene
 Concen: 0.360 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.4	113.2
145	34.7	25.4	38.0

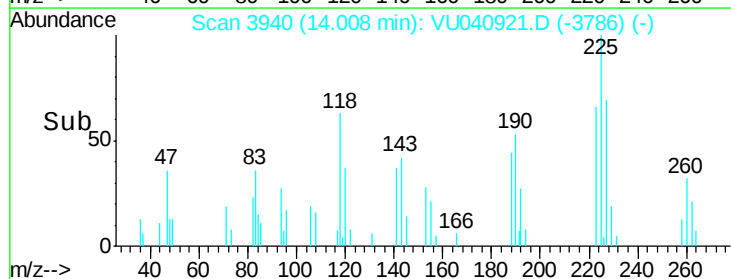
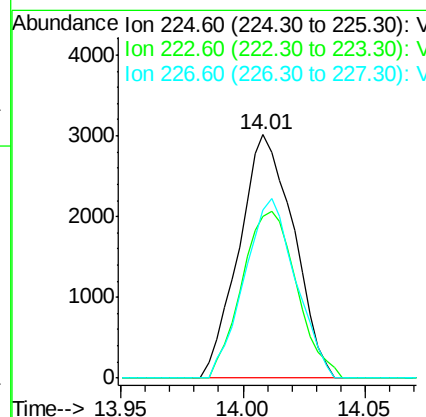
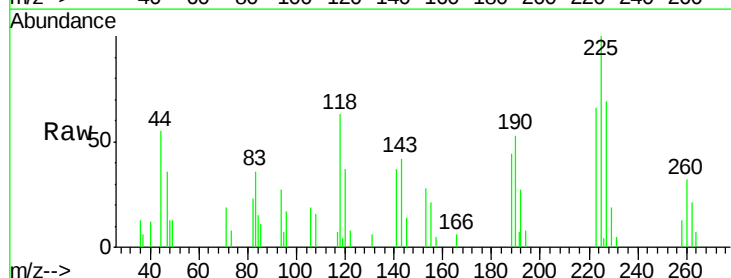
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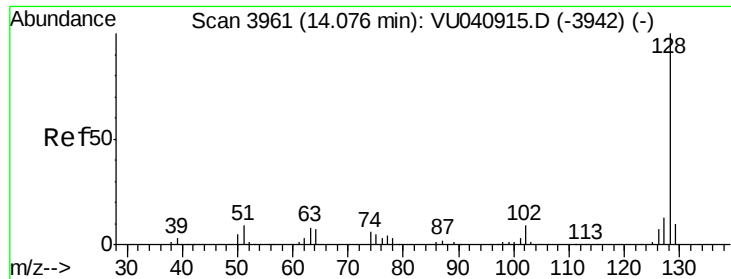
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#88
 Hexachlorobutadiene
 Concen: 0.427 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.5	49.9	74.9
227	69.2	51.1	76.7





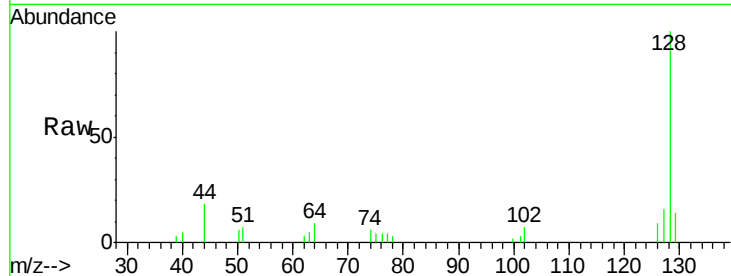
#89
Naphthalene
Concen: 0.334 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

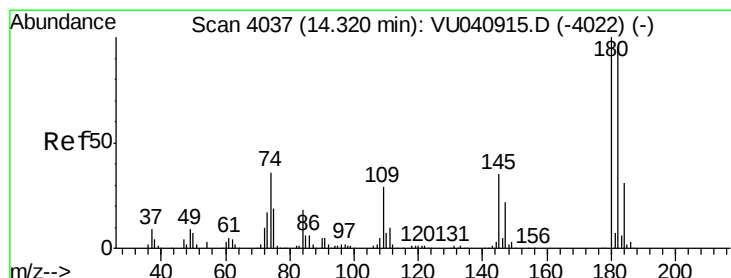
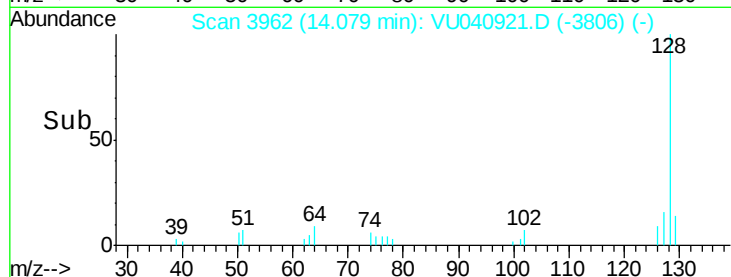
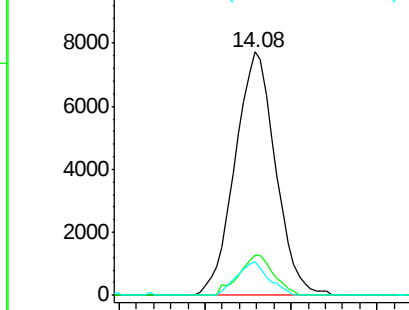
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.7	16.1
129	10.8	8.6	13.0

Manual Integrations
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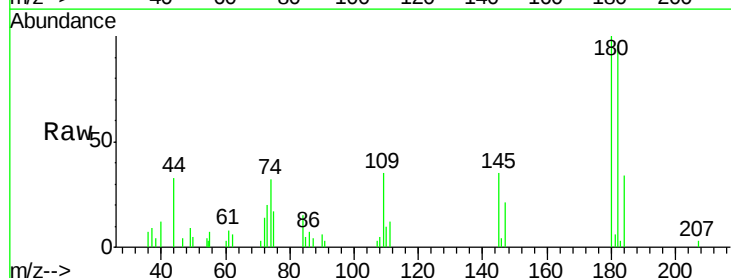


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 0.362 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.3	76.0	114.0
145	35.1	28.0	42.0



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

