

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033204.D
 Acq On : 11 Jul 2019 22:46
 Operator : JC/SP
 Sample : K3591-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

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 7/16/2019 4:02:27 PM

Quant Time: Jul 12 05:56:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 05:48:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	29287	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	9655	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10620	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	5720	0.500	ug/l	96
3) Chloromethane	1.33	50	6494	0.486	ug/l	100
4) Vinyl Chloride	1.40	62	6777	0.492	ug/l	98
5) Bromomethane	1.62	94	4989	0.580	ug/l	98
6) Chloroethane	1.69	64	4200	0.497	ug/l	94
7) Trichlorofluoromethane	1.88	101	8832	0.474	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4593	0.480	ug/l	96
9) 1,1-Dichloroethene	2.27	96	4632	0.479	ug/l	91
10) Iodomethane	2.40	142	4242	0.416	ug/l	91
11) Allyl Chloride	2.58	41	7681	0.476	ug/l	97
12) Acrylonitrile	2.92	53	3101	1.159	ug/l	93
13) Acetone	2.31	43	5929	2.471	ug/l	96
14) Carbon Disulfide	2.46	76	16728	0.474	ug/l	98
15) Methylene Chloride	2.68	84	7683	0.595	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	5630	0.509	ug/l	95
17) 1,1-Dichloroethane	3.42	63	7758	0.483	ug/l	96
18) 2-Butanone	4.27	43	5487	2.289	ug/l	99
19) Cyclohexane	4.96	56	5417m	0.441	ug/l	
20) Methylcyclohexane	6.40	83	4921	0.382	ug/l	89
21) 2,2-Dichloropropane	4.20	77	5854	0.434	ug/l	96
22) cis-1,2-Dichloroethene	4.20	96	3973	0.432	ug/l	91
23) Diethyl Ether	2.09	59	3823	0.454	ug/l	84
24) tert-Butyl Alcohol	2.82	59	4807	4.682	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	13194	0.468	ug/l	97
26) Bromochloromethane	4.53	128	1713	0.421	ug/l	82
27) Chloroform	4.65	83	9693	0.546	ug/l	96
28) 1,1,1-Trichloroethane	4.89	97	6722	0.479	ug/l	99
29) 1,1-Dichloropropene	5.11	75	5395	0.456	ug/l #	85
30) Carbon Tetrachloride	5.11	117	5834	0.470	ug/l	94
31) Isopropyl Ether	3.56	45	9772	0.453	ug/l	88
32) Ethyl-t-butyl ether	4.05	59	9364	0.445	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	7978	0.412	ug/l	96
34) Propionitrile	4.34	54	984m	1.449	ug/l	
35) Benzene	5.37	78	16126	0.467	ug/l	93
36) 1,2-Dichloroethane	5.39	62	5302	0.474	ug/l #	85
37) Trichloroethene	6.17	130	4139	0.459	ug/l	92
38) 1,2-Dichloropropane	6.41	63	4291	0.459	ug/l	100
39) Methacrylonitrile	4.54	41	1069	0.380	ug/l #	71
40) Methyl acrylate	4.42	55	1041	0.250	ug/l #	74
41) Tetrahydrofuran	4.63	42	1240m	0.840	ug/l	
42) 1-Chlorobutane	5.04	56	7101	0.442	ug/l	92

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Manual Integrations
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Quant Time: Jul 12 05:56:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.54	93	2206	0.442	ug/l #	75
44) Bromodichloromethane	6.74	83	5572	0.453	ug/l #	94
45) 4-Methyl-2-Pentanone	7.45	43	11807	2.099	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	1483m	0.619	ug/l	
47) Methyl methacrylate	6.62	69	3330	0.824	ug/l	94
48) Ethyl methacrylate	8.01	69	2801	0.369	ug/l	95
49) Toluene	7.62	92	8426	0.414	ug/l	97
50) t-1,3-Dichloropropene	7.87	75	4565	0.418	ug/l #	86
51) cis-1,3-Dichloropropene	7.25	75	4963	0.393	ug/l #	90
52) 1,1,2-Trichloroethane	8.05	97	3152	0.455	ug/l #	81
53) 1,3-Dichloropropane	8.23	76	5077	0.432	ug/l	100
54) 2-Hexanone	8.36	43	7503	1.909	ug/l	94
55) Dibromochloromethane	8.46	129	3750	0.467	ug/l	100
56) 1,2-Dibromoethane	8.57	107	2890	0.451	ug/l	97
58) Tetrachloroethene	8.21	164	3805	0.461	ug/l	92
59) Chlorobenzene	9.11	112	9883	0.432	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	3770	0.447	ug/l	96
61) Pentachloroethane	11.09	117	2951	0.445	ug/l	96
62) Hexachloroethane	12.13	117	2582	0.401	ug/l	100
63) Ethyl Benzene	9.23	91	14930	0.399	ug/l	100
64) m/p-Xylenes	9.36	106	10298	0.704	ug/l	90
65) o-Xylene	9.76	106	5302	0.373	ug/l	97
66) Styrene	9.78	104	8531	0.355	ug/l	97
67) Bromoform	9.94	173	1834	0.402	ug/l #	88
69) Isopropylbenzene	10.15	105	14176	0.384	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.45	83	4431	0.469	ug/l #	99
71) 1,2,3-Trichloropropane	10.48	75	3629m	0.513	ug/l	
72) Bromobenzene	10.44	156	4046	0.422	ug/l	95
73) n-propylbenzene	10.57	120	4232	0.404	ug/l	92
74) 2-Chlorotoluene	10.65	126	4109	0.435	ug/l	87
75) 1,3,5-Trimethylbenzene	10.76	105	11434	0.357	ug/l	99
76) 4-Chlorotoluene	10.76	126	3422	0.355	ug/l	76
77) tert-Butylbenzene	11.08	119	11949	0.388	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	11536	0.353	ug/l	100
79) sec-Butylbenzene	11.31	105	15420	0.365	ug/l	98
81) p-Isopropyltoluene	11.46	119	11634	0.338	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	8627	0.436	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	7951	0.399	ug/l	99
84) n-Butylbenzene	11.87	91	11905	0.347	ug/l	98
85) 1,2-Dichlorobenzene	11.86	146	8306	0.439	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.64	75	639	0.427	ug/l #	89
87) 1,2,4-Trichlorobenzene	13.49	180	4477	0.384	ug/l	94
88) Hexachlorobutadiene	13.68	225	2822	0.419	ug/l	98
89) Naphthalene	13.73	128	7375	0.347	ug/l #	95
90) 1,2,3-Trichlorobenzene	13.98	180	4077	0.366	ug/l	99

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

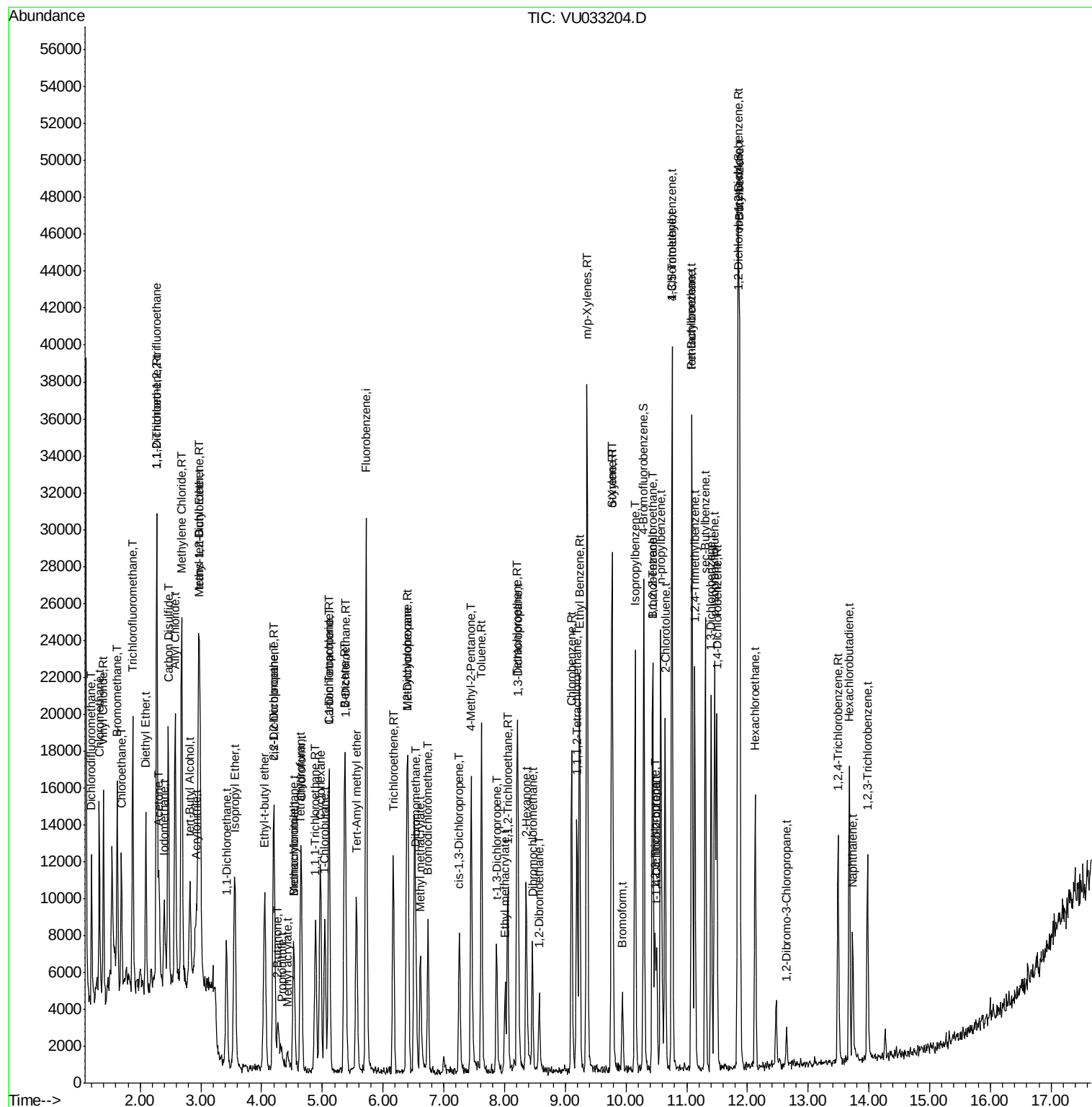
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071119\
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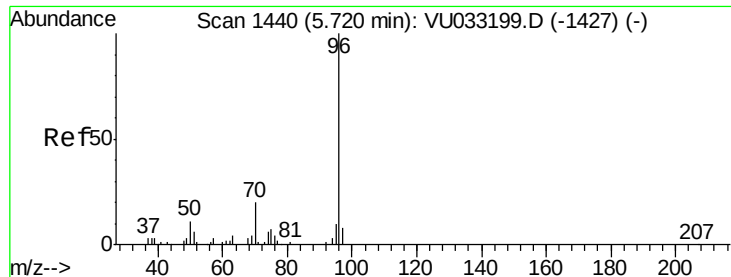
Instrument :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

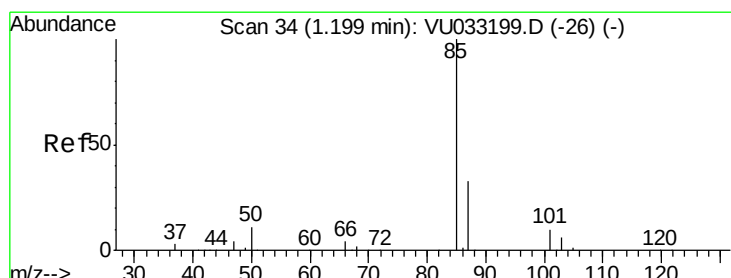
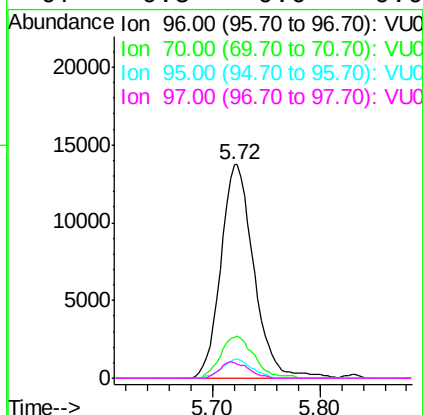
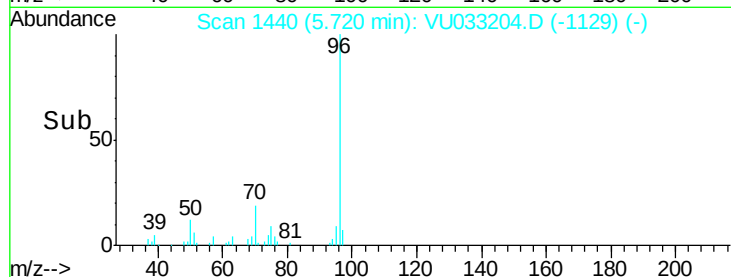
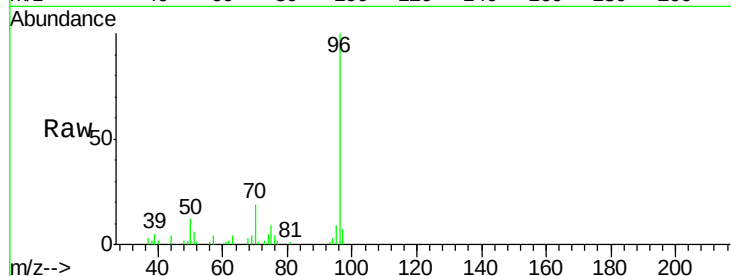
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	96	Resp:	29287
Ion Ratio	Lower	Upper	
96	100		
70	20.0	16.2	24.4
95	8.1	7.8	11.8
97	6.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.500 ug/l

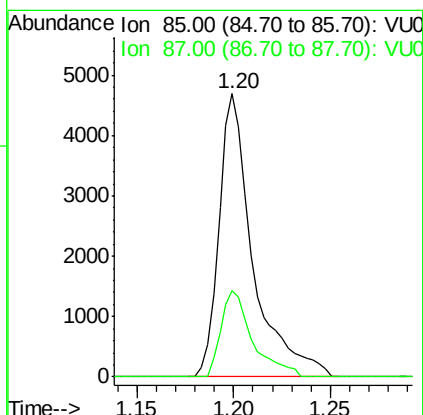
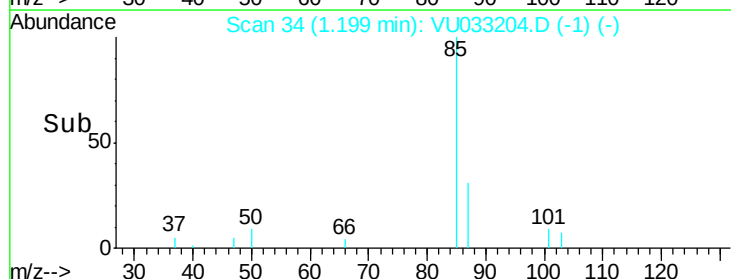
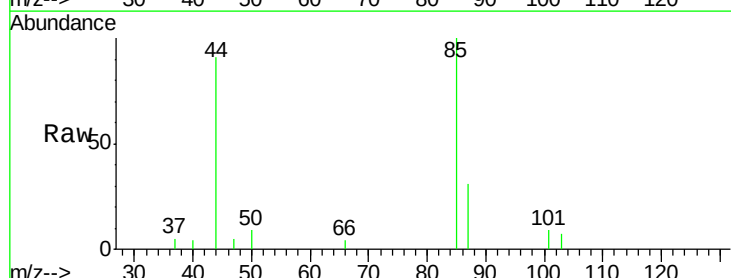
RT: 1.20 min Scan# 34

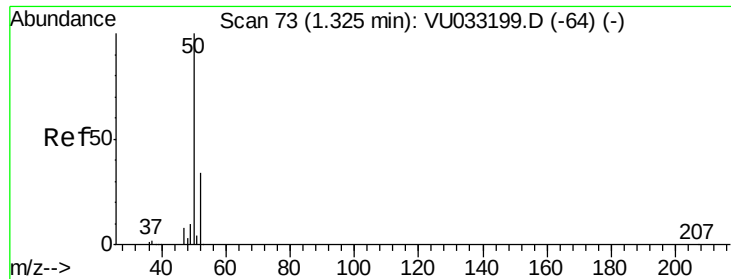
Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	85	Resp:	5720
Ion Ratio	Lower	Upper	
85	100		
87	30.7	16.4	49.1





#3

Chloromethane

Concen: 0.486 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 50 Resp: 6494

Ion Ratio Lower Upper

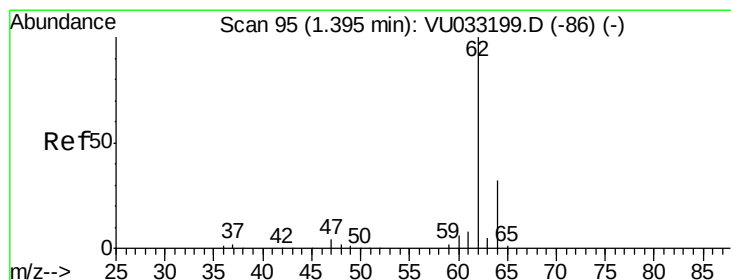
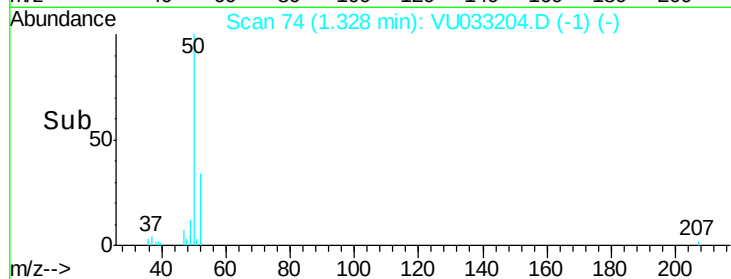
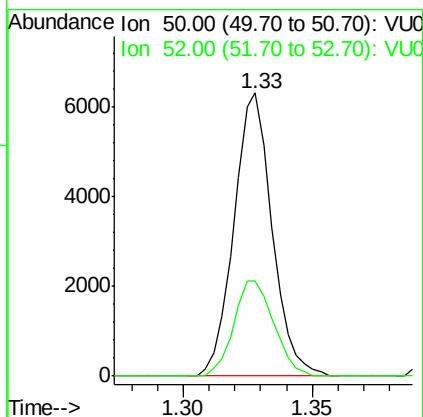
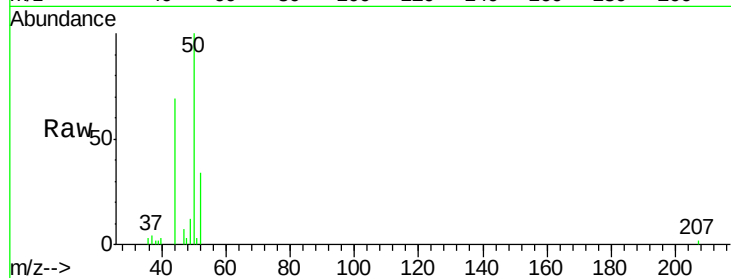
50 100

52 33.8 27.0 40.4

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#4

Vinyl Chloride

Concen: 0.492 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033204.D

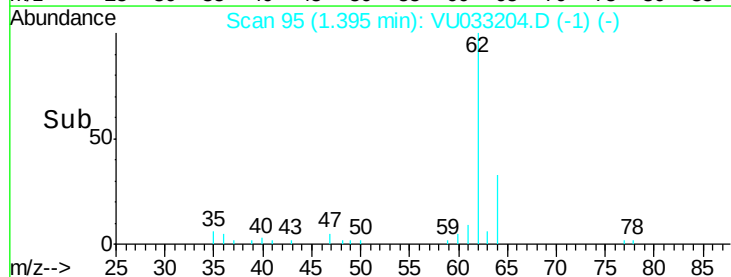
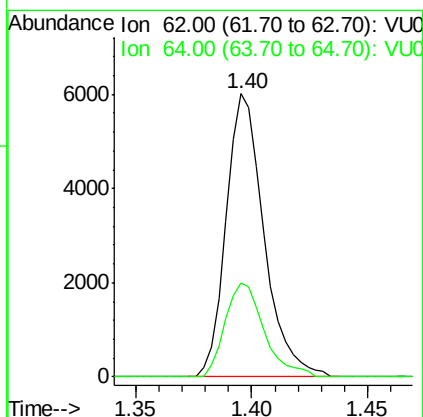
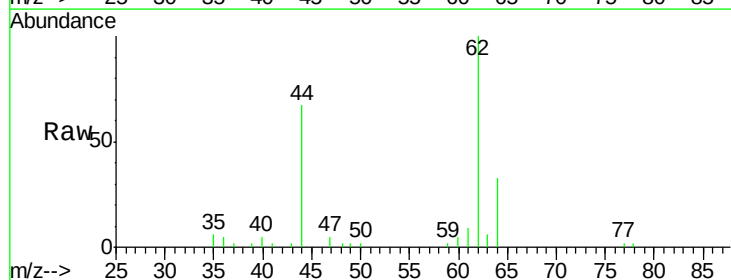
Acq: 11 Jul 2019 22:46

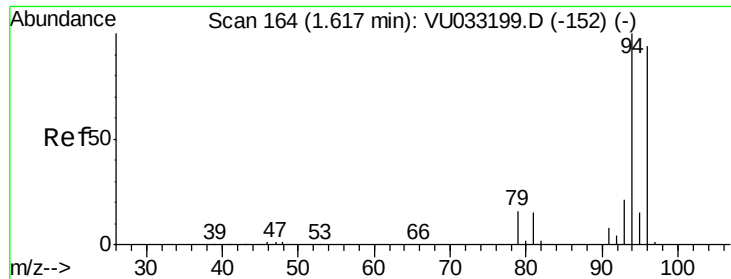
Tgt Ion: 62 Resp: 6777

Ion Ratio Lower Upper

62 100

64 33.2 25.7 38.5





#5

Bromomethane

Concen: 0.580 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 94 Resp: 4989

Ion Ratio Lower Upper

94 100

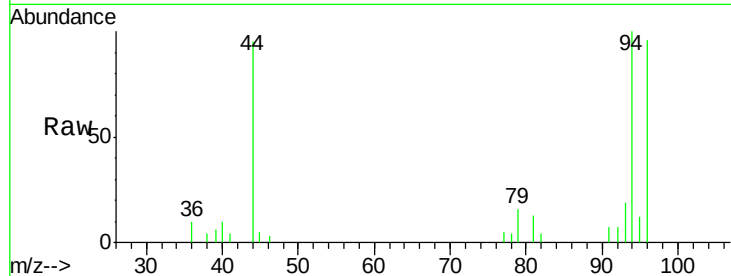
96 95.6 74.8 112.2

Manual Integrations

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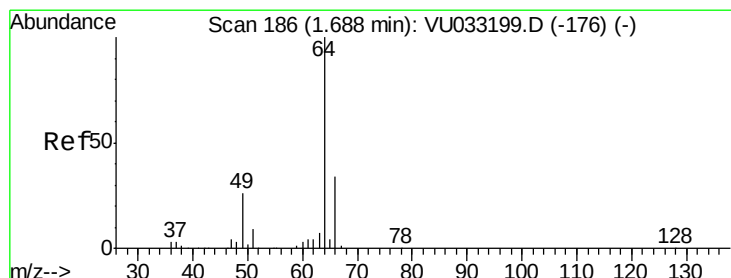
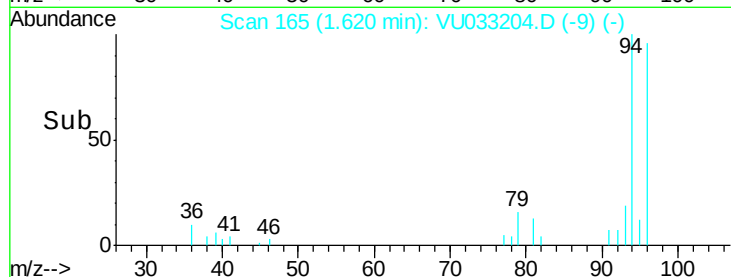
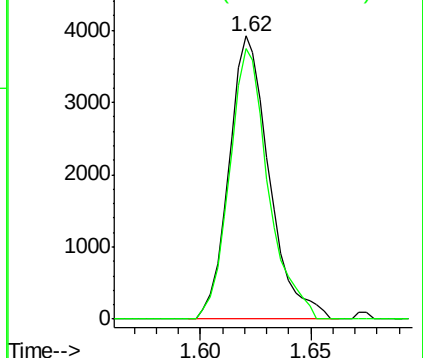
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.497 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033204.D

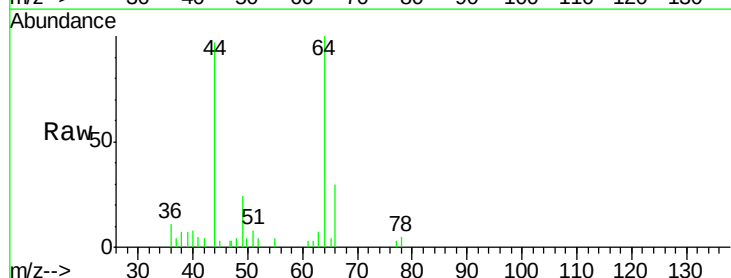
Acq: 11 Jul 2019 22:46

Tgt Ion: 64 Resp: 4200

Ion Ratio Lower Upper

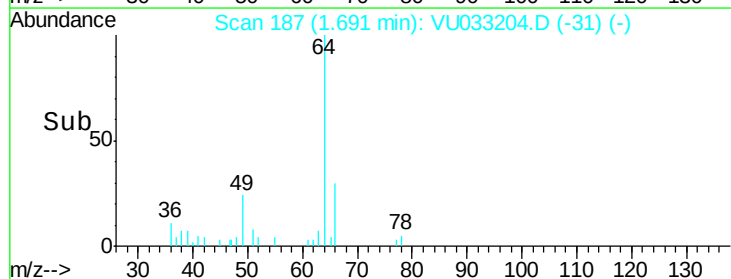
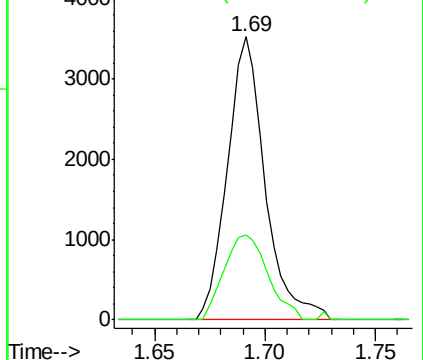
64 100

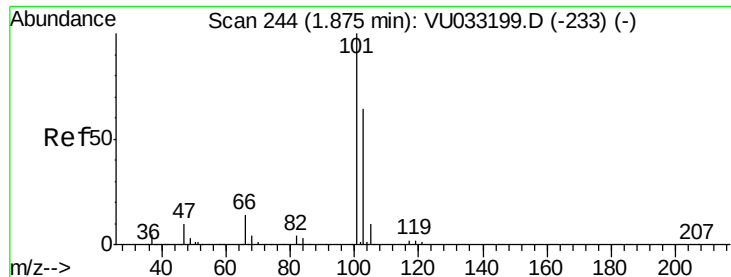
66 30.1 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

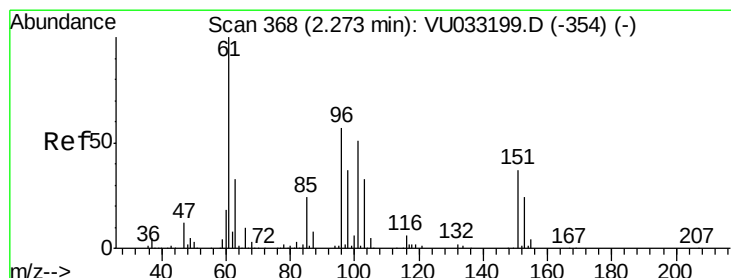
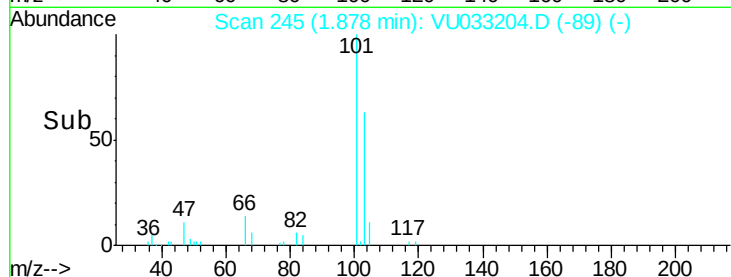
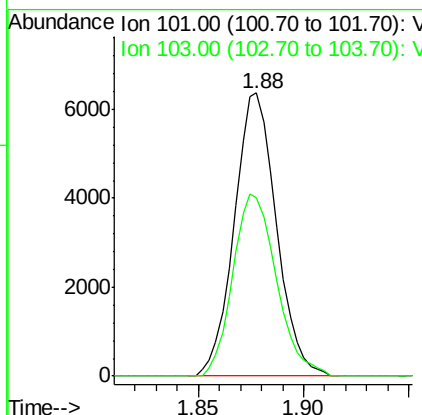
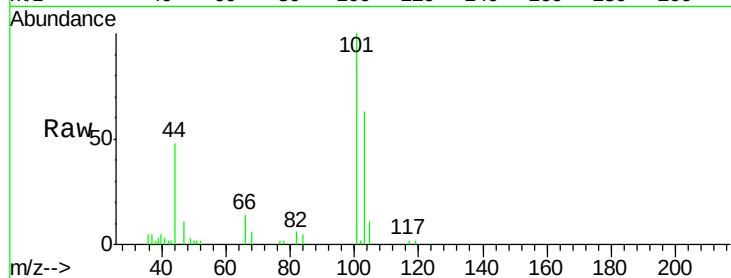
Trichlorofluoromethane
Concen: 0.474 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
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LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.0	76.6

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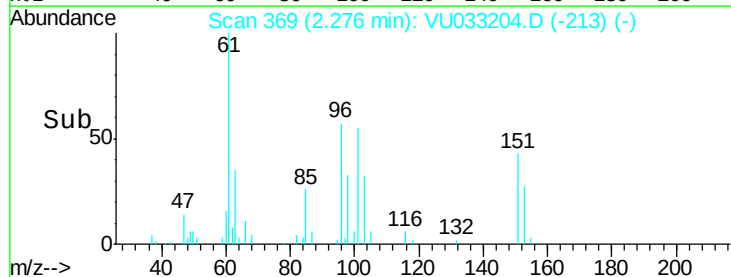
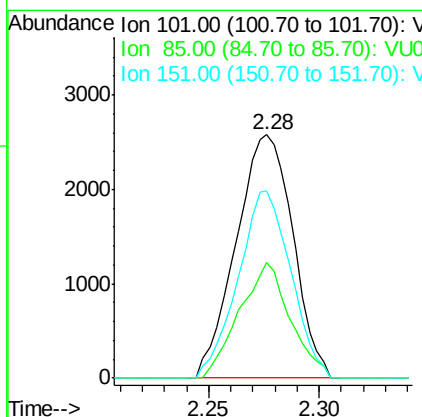
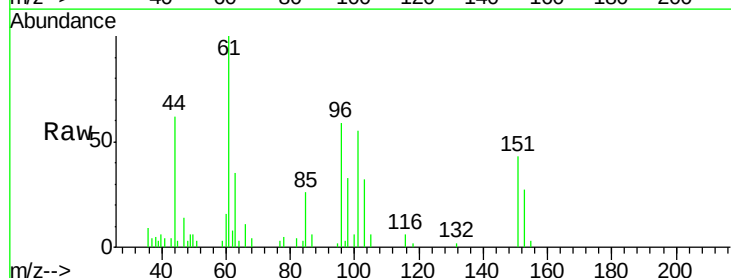
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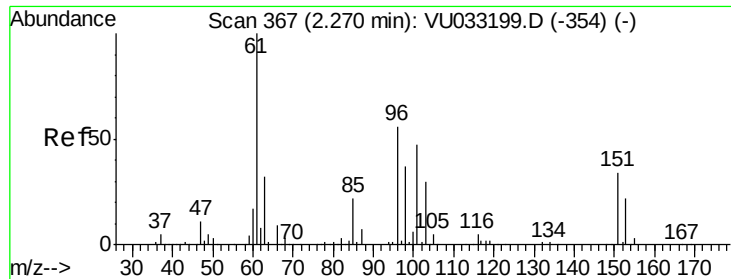


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.480 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.7	37.7	56.5
151	71.3	58.2	87.2





#9

1,1-Dichloroethene

Concen: 0.479 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

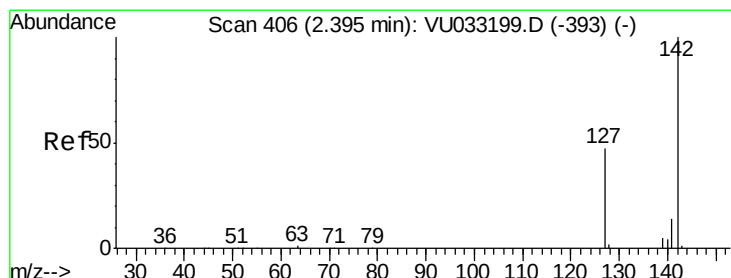
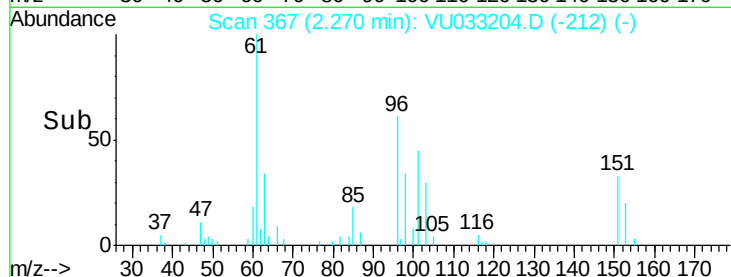
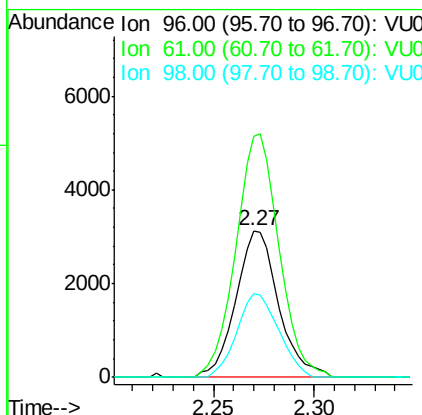
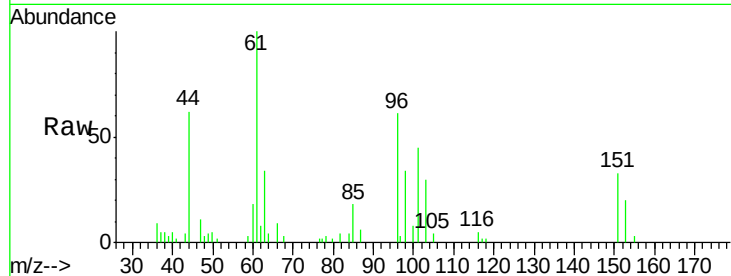
ClientSampleId :

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Tot Ion:	96	Resp:	4632
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	533.7
98	56.8	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 0.416 ug/l

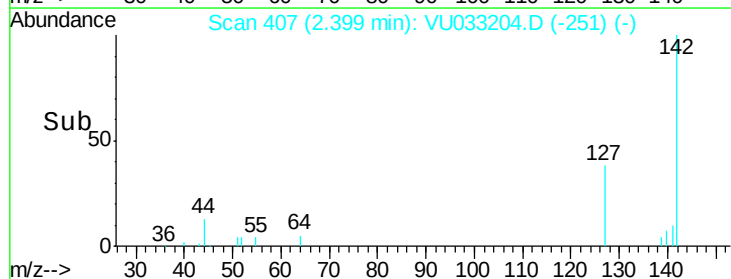
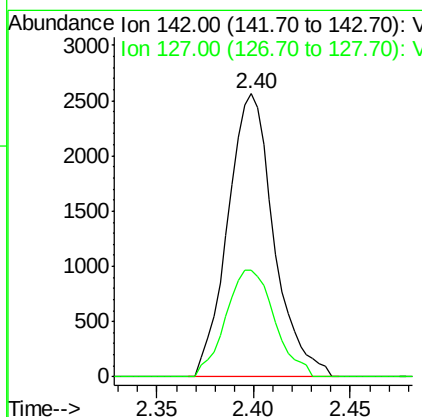
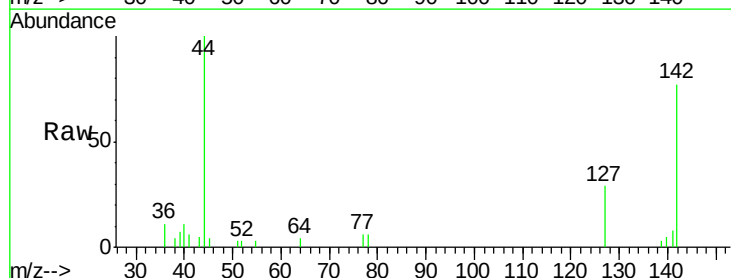
RT: 2.40 min Scan# 407

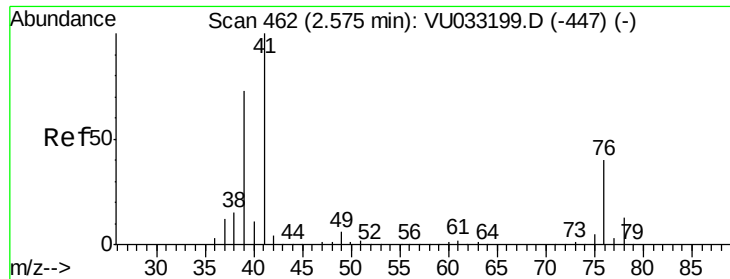
Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	142	Resp:	4242
Ion	Ratio	Lower	Upper
142	100		
127	40.0	37.0	55.4





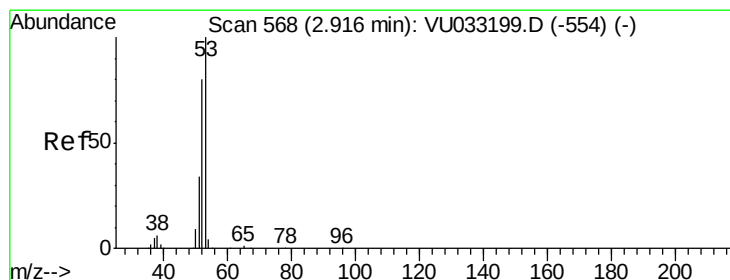
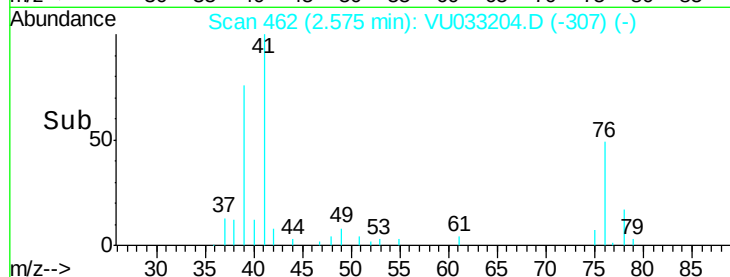
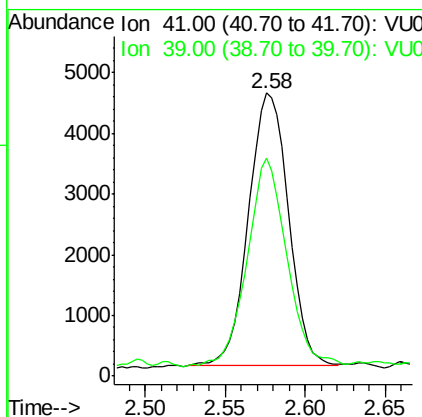
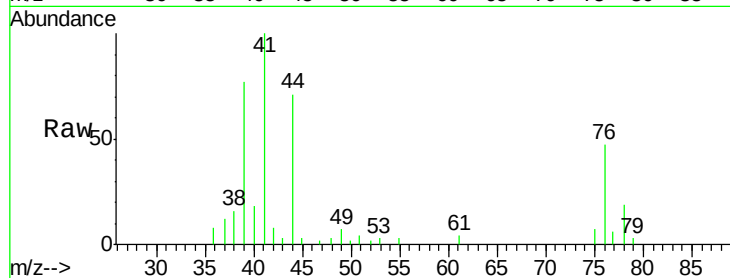
#11
Allvl Chloride
Concen: 0.476 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 41 Resp: 7681
Ion Ratio Lower Upper
41 100
39 75.7 58.7 88.1

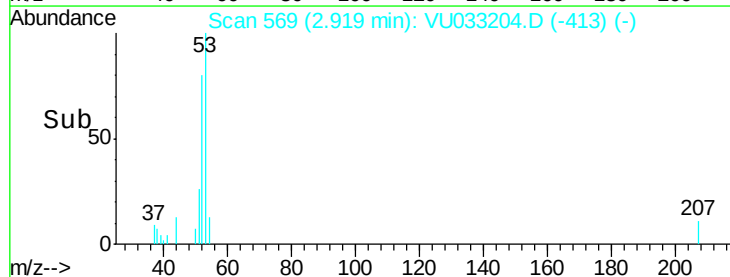
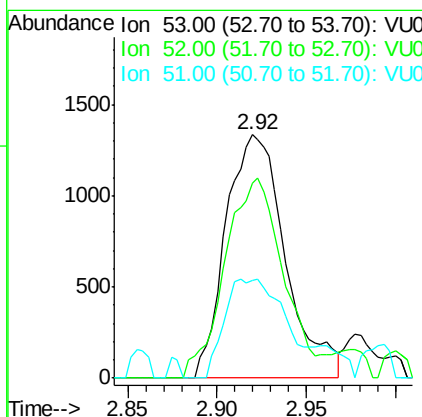
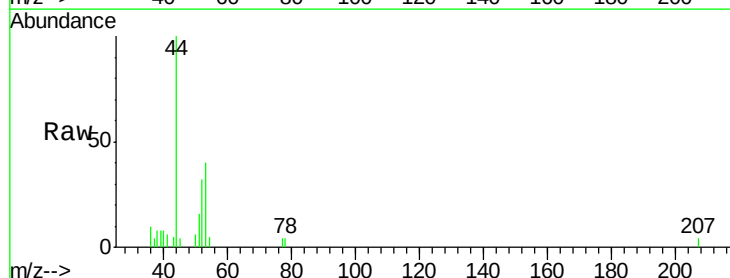
Manual Integrations
APPROVED

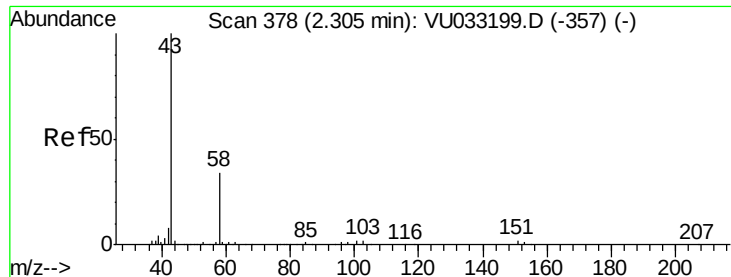
MMDadoda
7/16/2019 4:02:27 PM



#12
Acrylonitrile
Concen: 1.159 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 53 Resp: 3101
Ion Ratio Lower Upper
53 100
52 80.3 68.3 102.5
51 41.2 28.7 43.1





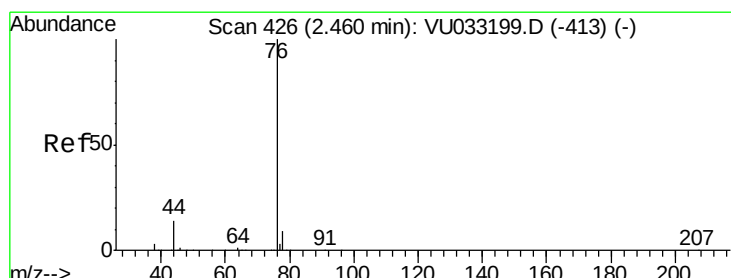
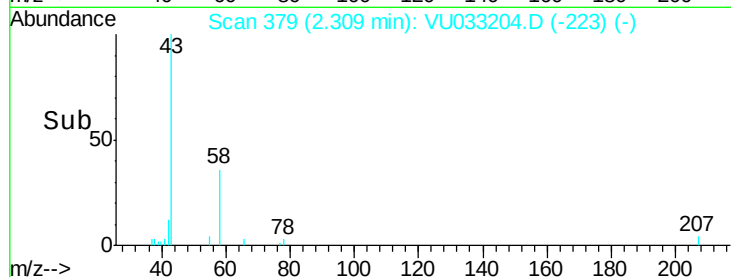
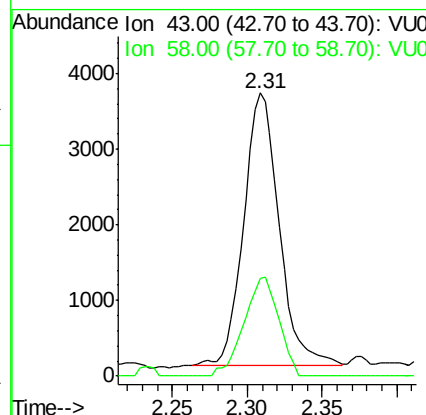
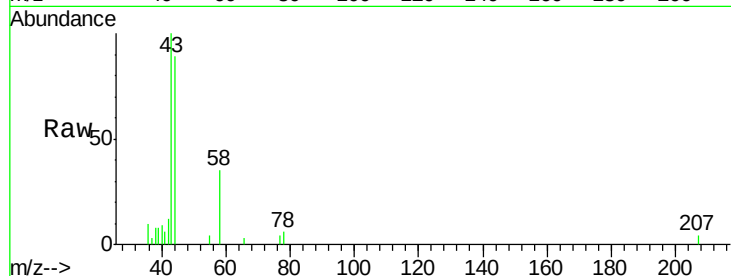
#13
Acetone
Concen: 2.471 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 43 Resp: 5929
Ion Ratio Lower Upper
43 100
58 36.0 27.1 40.7

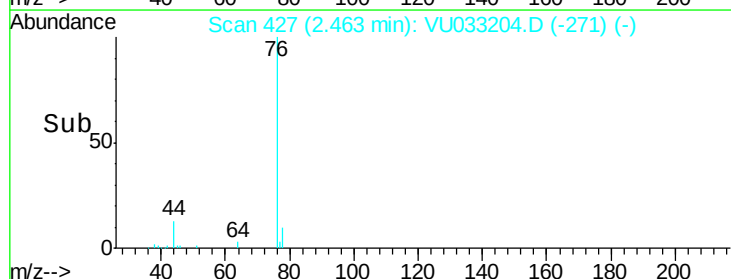
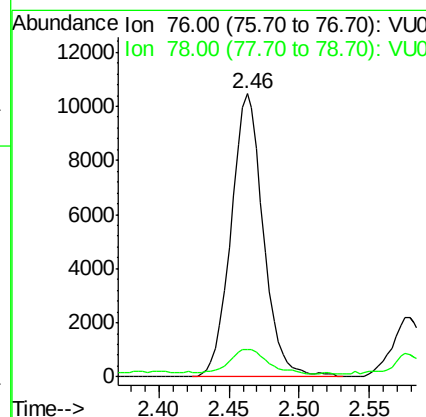
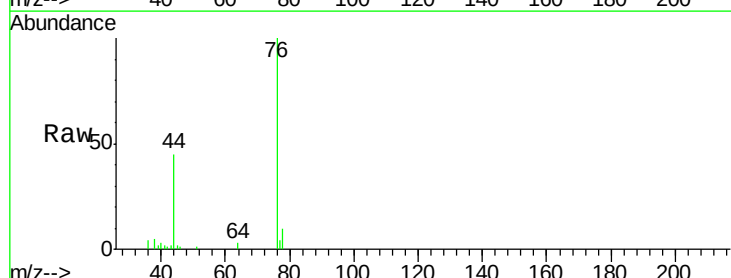
Manual Integrations
APPROVED

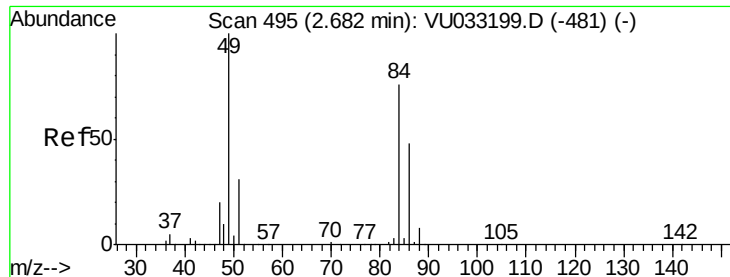
MMDadoda
7/16/2019 4:02:27 PM



#14
Carbon Disulfide
Concen: 0.474 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 76 Resp: 16728
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0





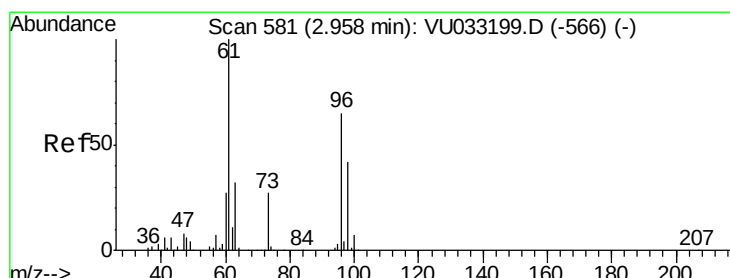
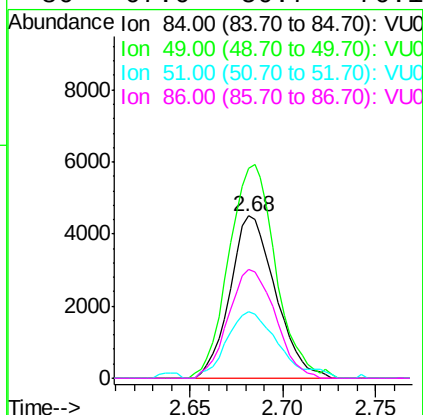
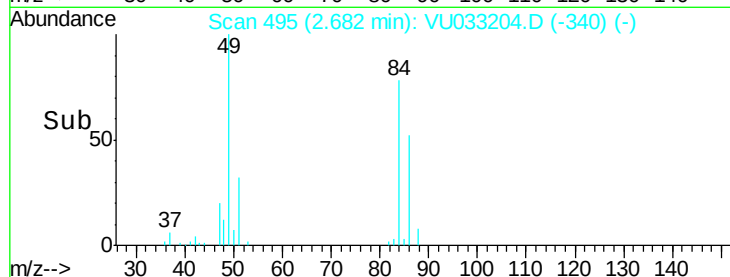
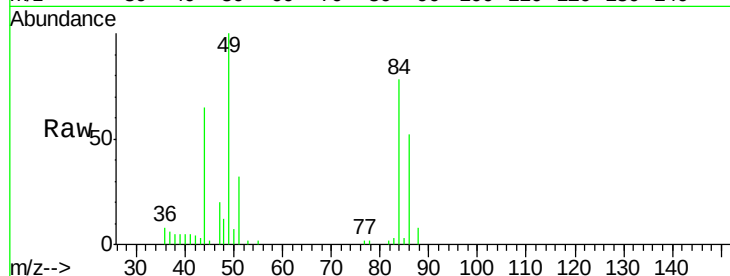
#15
Methvlene Chloride
Concen: 0.595 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
84	100		
49	128.9	105.8	158.8
51	41.0	0.0	82.0
86	67.0	50.7	76.1

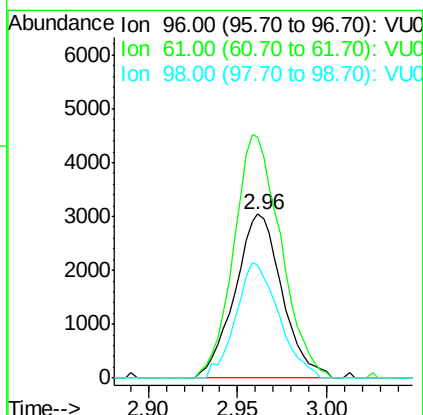
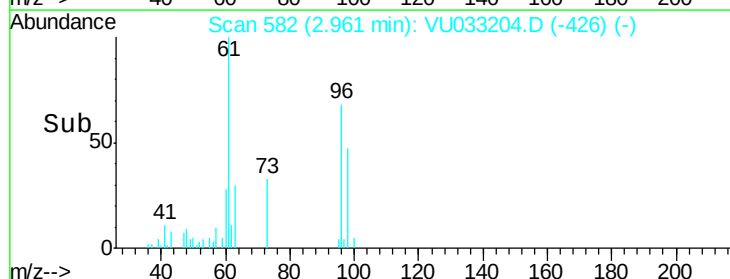
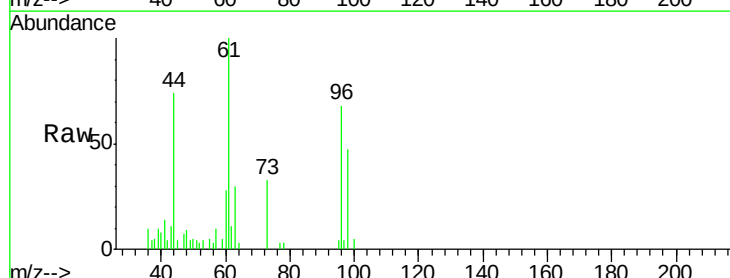
Manual Integrations
APPROVED

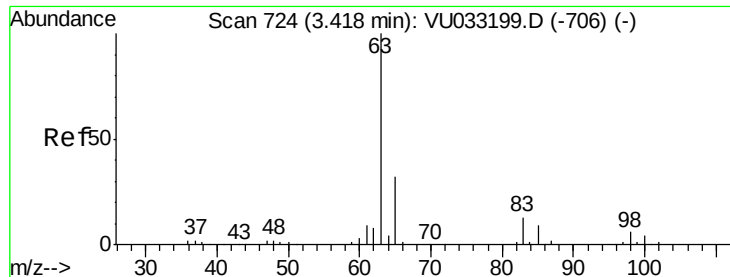
MMDadoda
7/16/2019 4:02:27 PM



#16
trans-1,2-Dichloroethene
Concen: 0.509 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	122.6	184.0
98	69.1	52.0	78.0





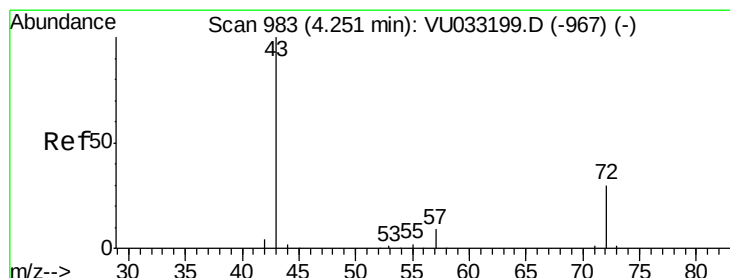
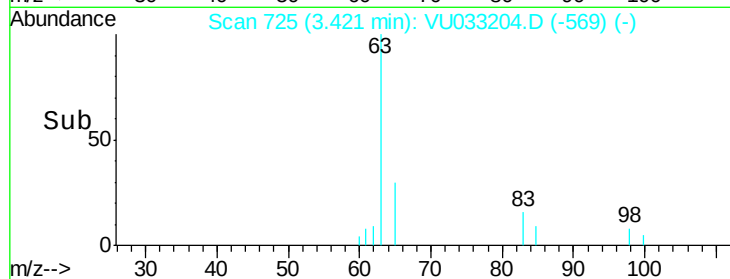
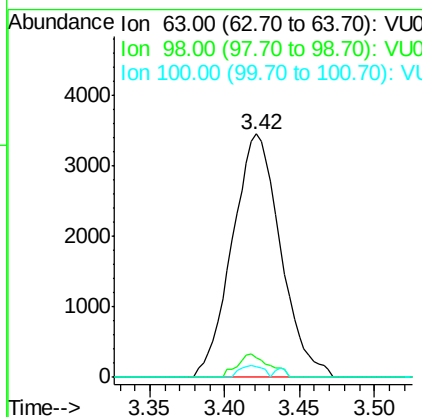
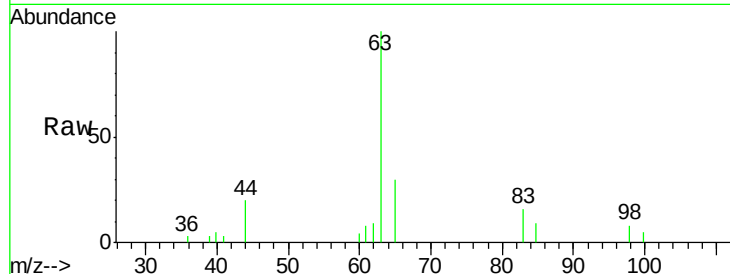
#17
 1,1-Dichloroethane
 Concen: 0.483 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:	63	Resp:	7758
Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.3	9.8
100	4.5	1.8	5.4

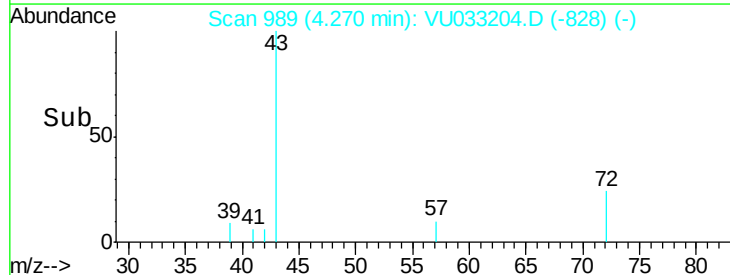
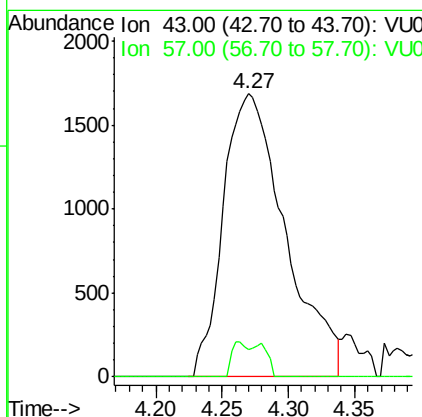
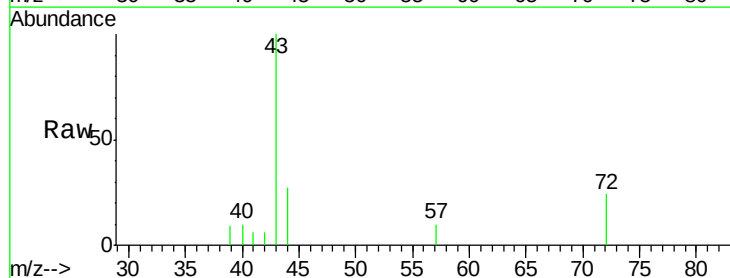
Manual Integrations
 APPROVED

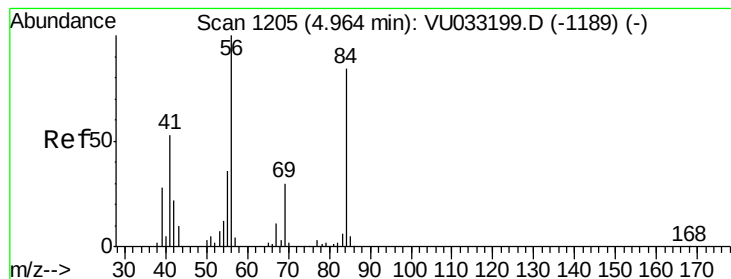
MMDadoda
 7/16/2019 4:02:27 PM



#18
 2-Butanone
 Concen: 2.289 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:	43	Resp:	5487
Ion	Ratio	Lower	Upper
43	100		
57	9.7	0.0	18.4





#19

Cyclohexane

Concen: 0.441 ug/l m

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

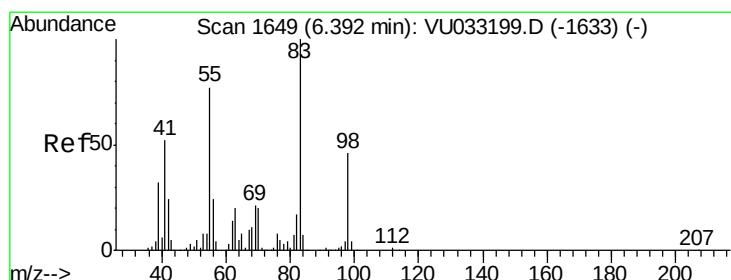
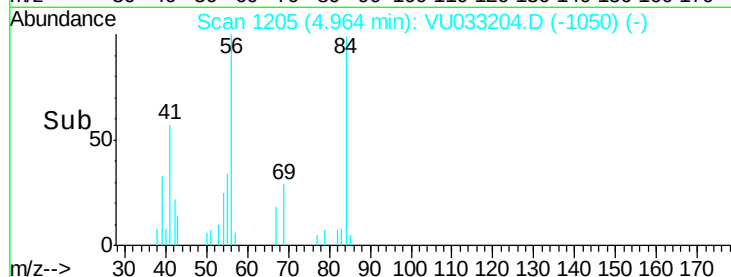
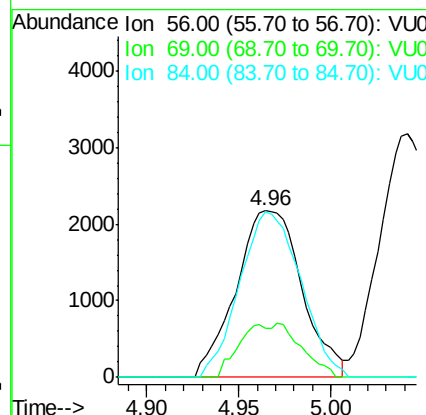
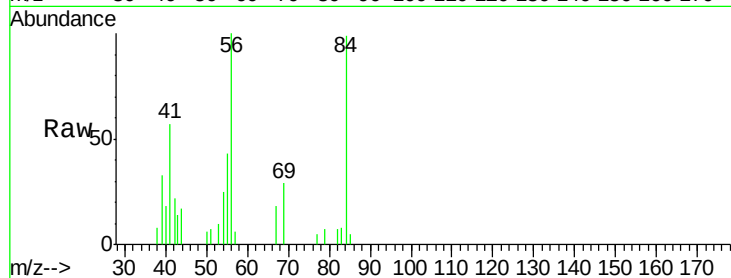
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	56	Resp:	5417
Ion	Ratio	Lower	Upper
56	100		
69	13.9	24.6	37.0#
84	92.0	67.5	101.3

Manual Integrations
APPROVED

MMDadoda
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#20

Methylcyclohexane

Concen: 0.382 ug/l

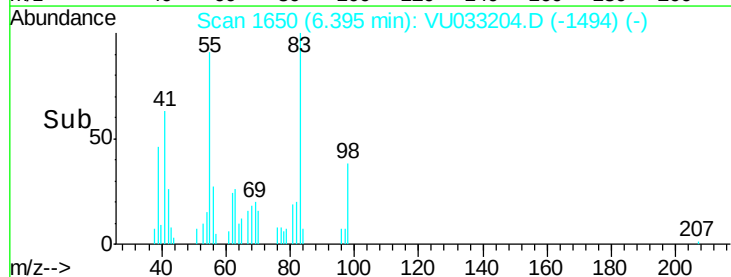
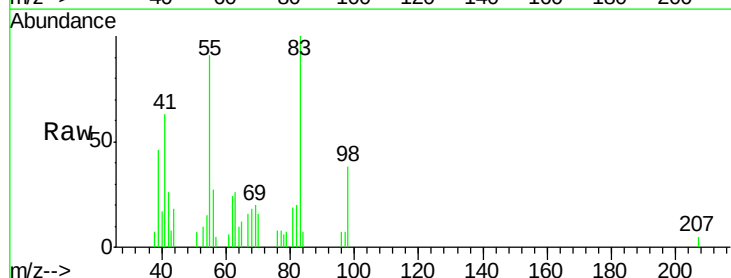
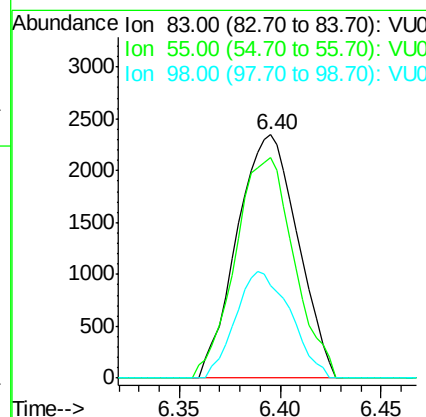
RT: 6.40 min Scan# 1650

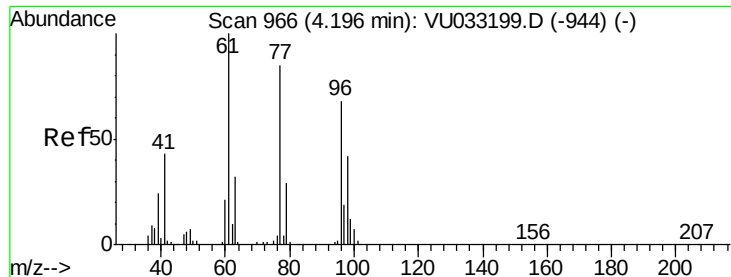
Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	83	Resp:	4921
Ion	Ratio	Lower	Upper
83	100		
55	87.8	62.0	93.0
98	39.8	36.3	54.5





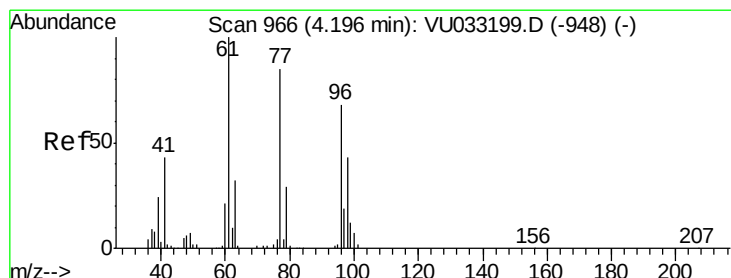
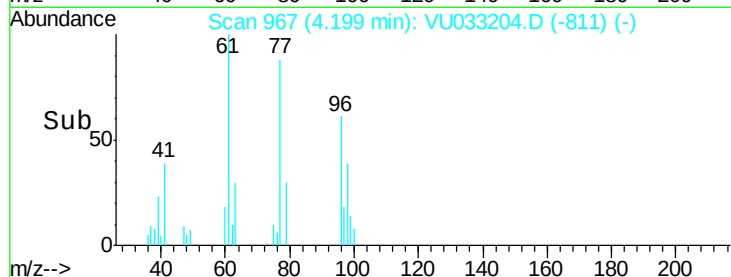
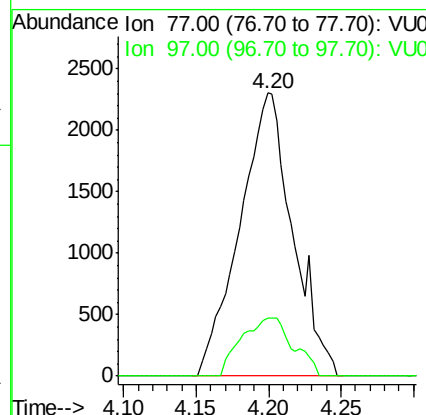
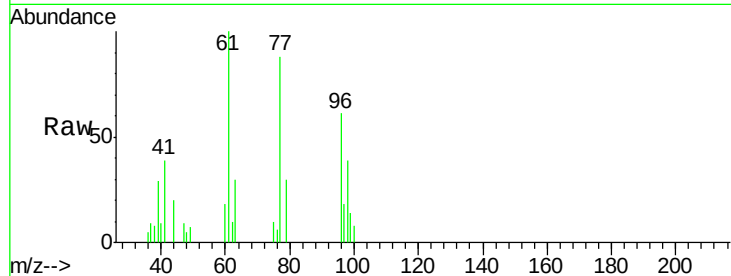
#21
 2,2-Dichloropropane
 Concen: 0.434 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 77 Resp: 5854
 Ion Ratio Lower Upper
 77 100
 97 20.0 17.6 26.4

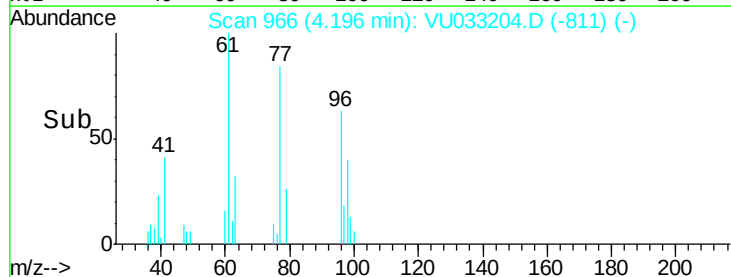
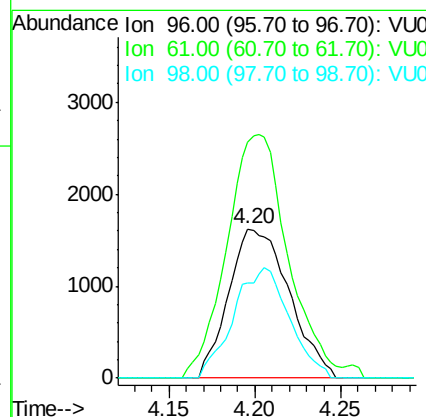
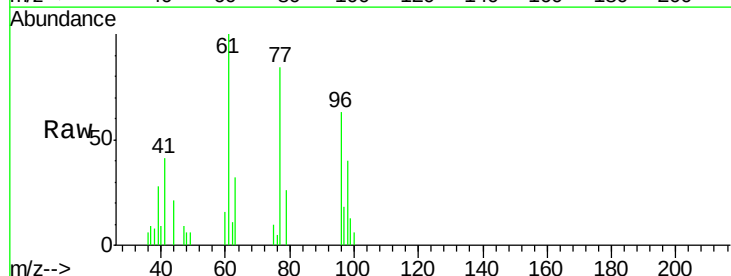
Manual Integrations
 APPROVED

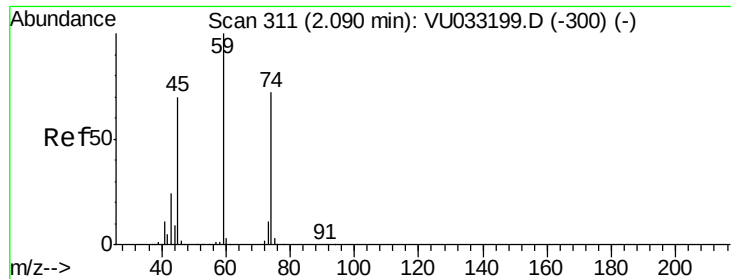
MMDadoda
 7/16/2019 4:02:27 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.432 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 96 Resp: 3973
 Ion Ratio Lower Upper
 96 100
 61 164.8 0.0 377.3
 98 68.3 32.3 96.8





#23

Diethyl Ether

Concen: 0.454 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

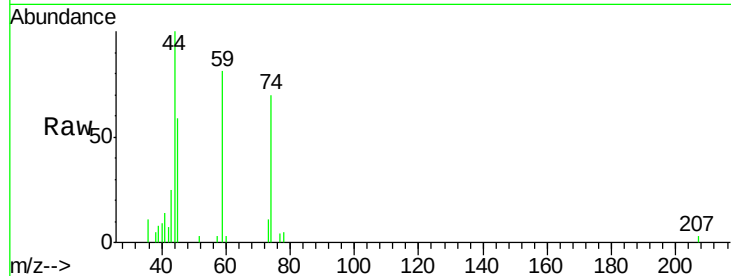
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	59	Resp:	3823
Ion	Ratio	Lower	Upper
59	100		
45	82.8	55.7	83.5
74	85.4	58.1	87.1

Manual Integrations
APPROVED

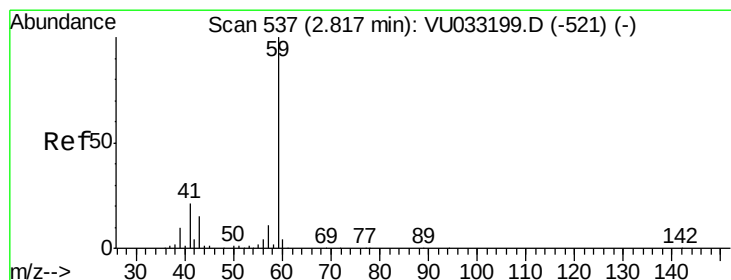
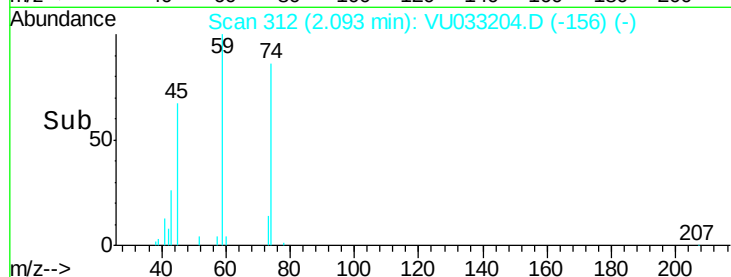
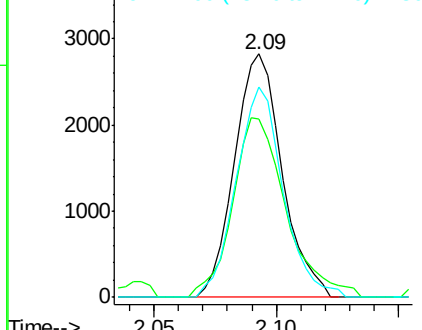
MMDadoda
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Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-300) (-)

Ion 45.00 (44.70 to 45.70): VU033199.D (-300) (-)

Ion 74.00 (73.70 to 74.70): VU033199.D (-300) (-)



#24

tert-Butyl Alcohol

Concen: 4.682 ug/l

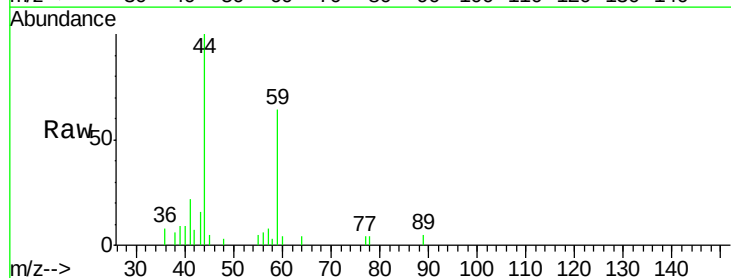
RT: 2.82 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU033204.D

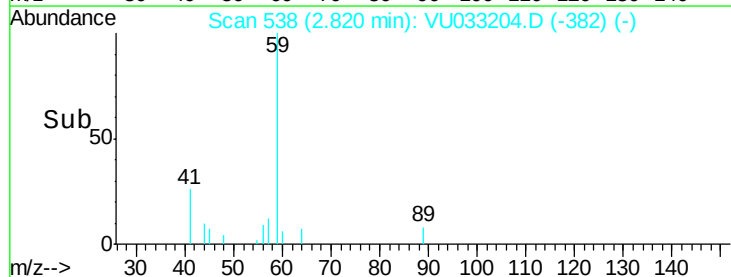
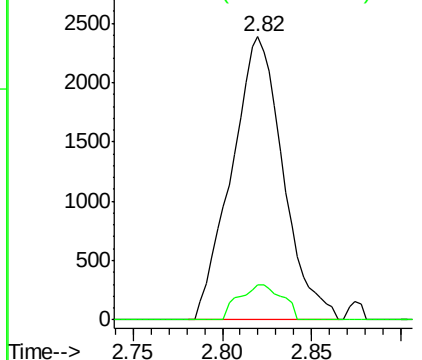
Acq: 11 Jul 2019 22:46

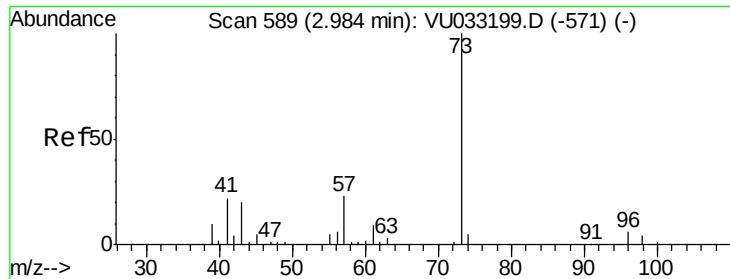
Tgt Ion:	59	Resp:	4807
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-521) (-)

Ion 57.00 (56.70 to 57.70): VU033199.D (-521) (-)





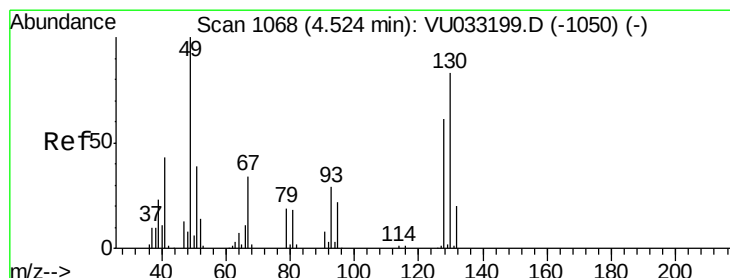
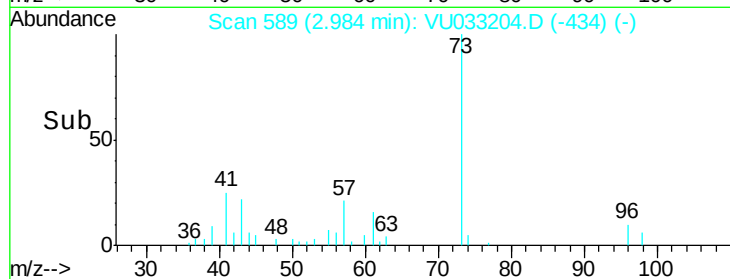
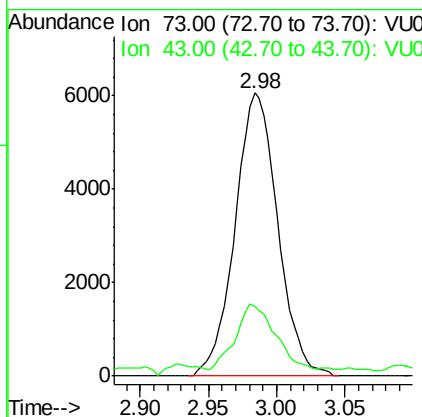
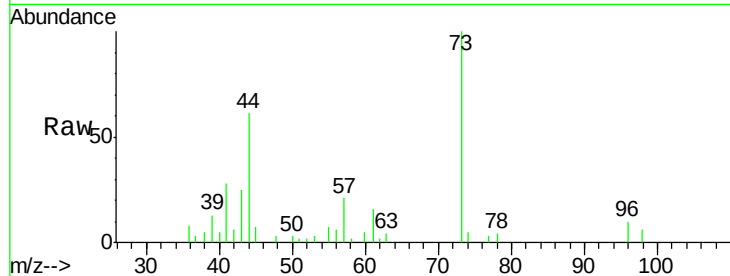
#25
Methyl tert-Butyl Ether
Concen: 0.468 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.1	24.1

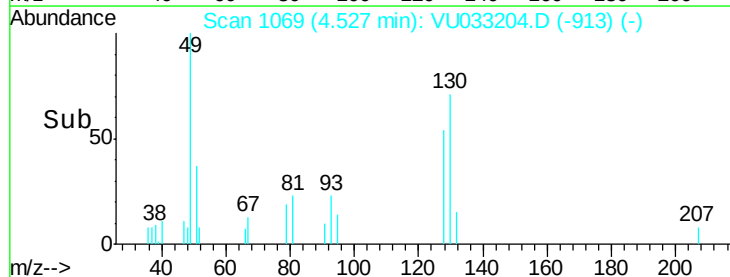
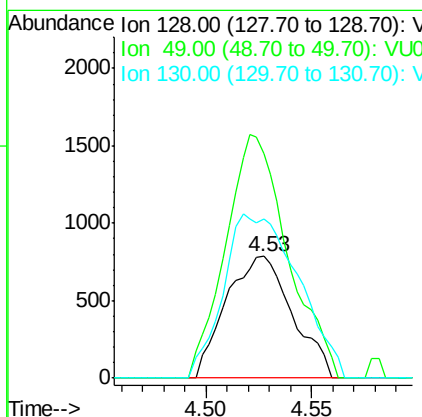
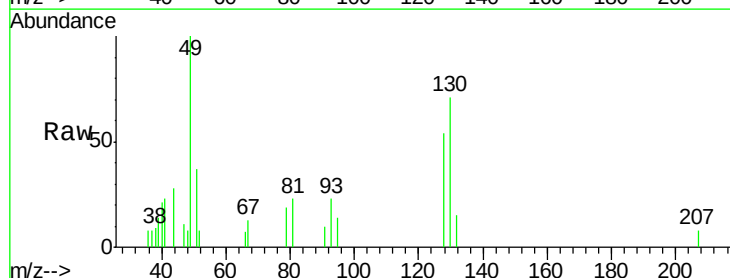
Manual Integrations
APPROVED

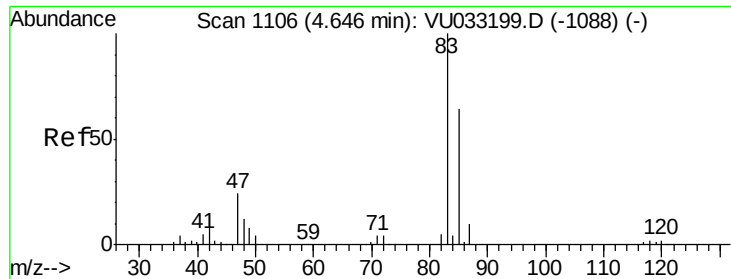
MMDadoda
7/16/2019 4:02:27 PM



#26
Bromochloromethane
Concen: 0.421 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	187.7	0.0	328.6
130	152.0	104.1	156.1





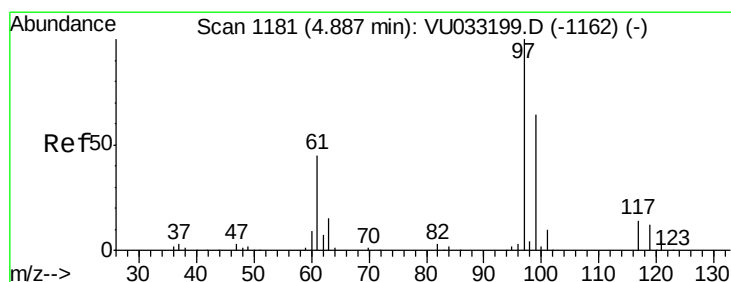
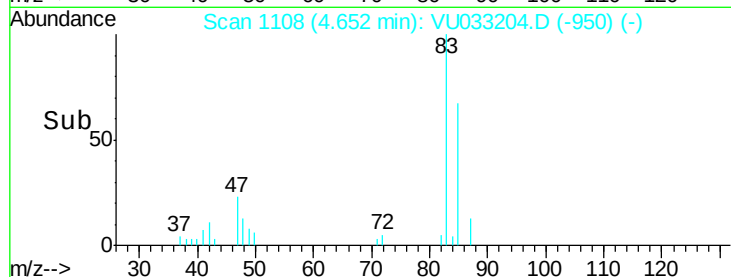
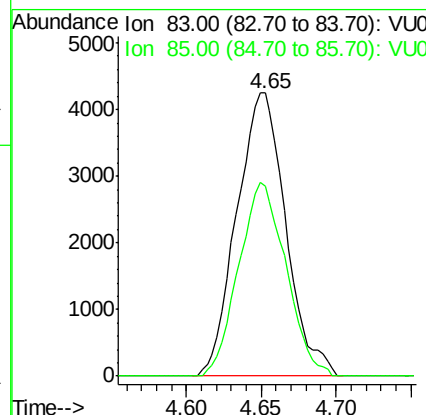
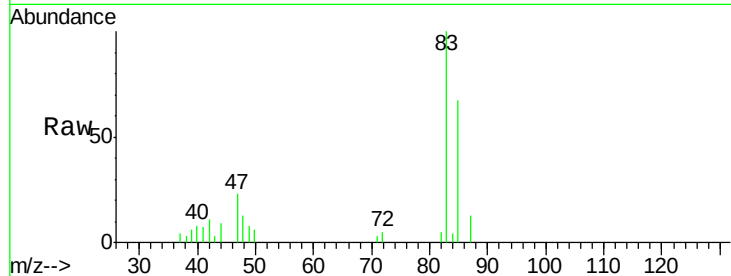
#27
Chloroform
Concen: 0.546 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 83 Resp: 9693
Ion Ratio Lower Upper
83 100
85 67.0 0.0 128.4

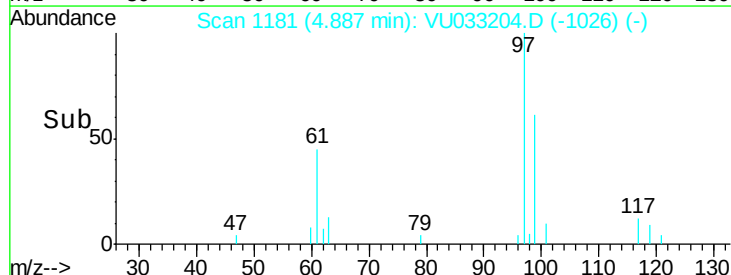
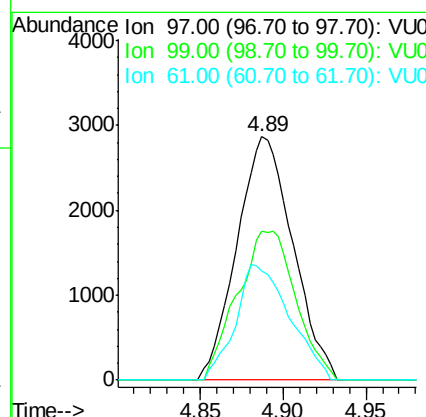
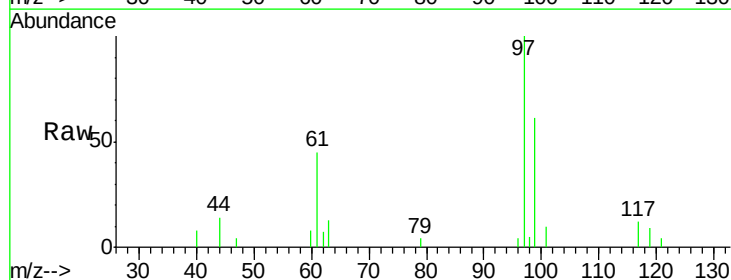
Manual Integrations
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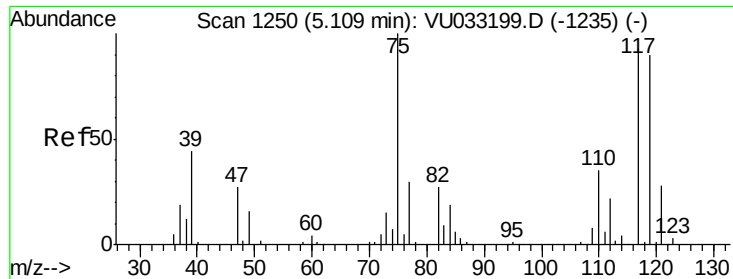
MMDadoda
7/16/2019 4:02:27 PM



#28
1,1,1-Trichloroethane
Concen: 0.479 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 97 Resp: 6722
Ion Ratio Lower Upper
97 100
99 64.0 31.9 95.5
61 46.0 22.6 67.7





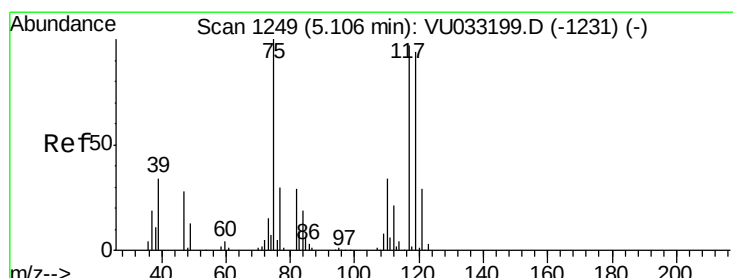
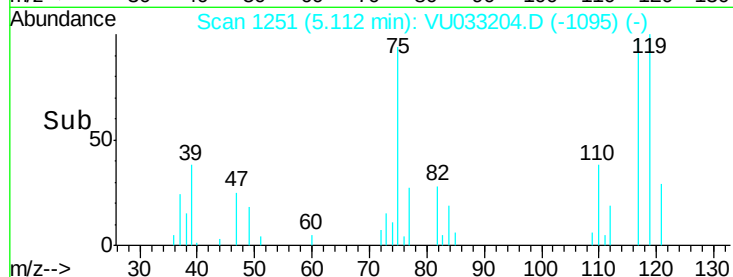
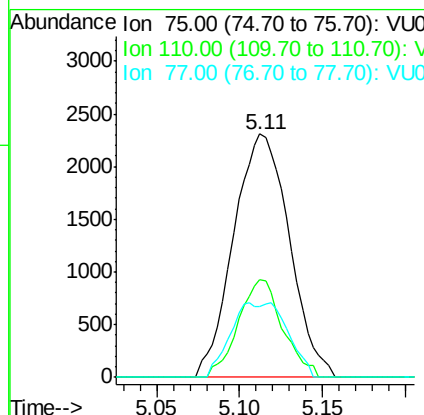
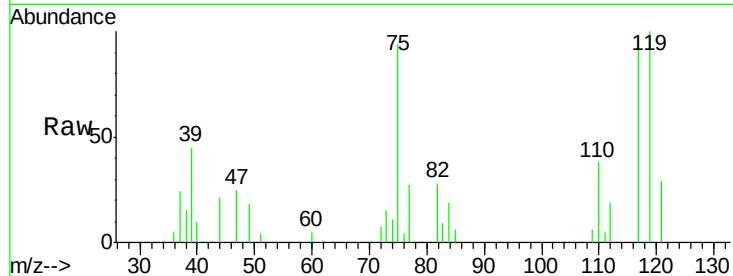
#29
1,1-Dichloropropene
Concen: 0.456 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	17.5	52.6
77	16.9	24.6	37.0

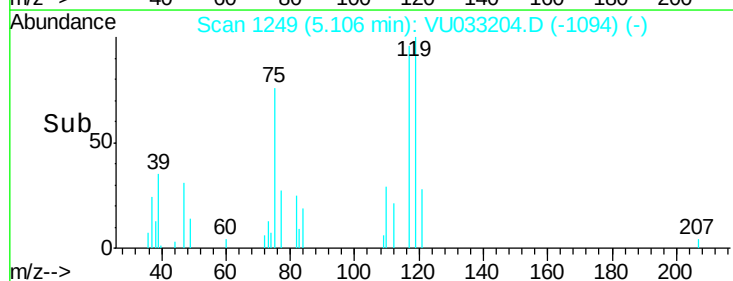
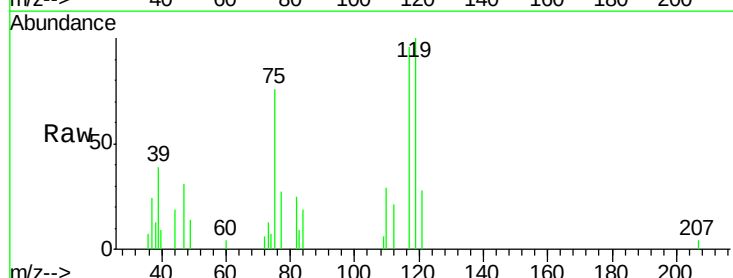
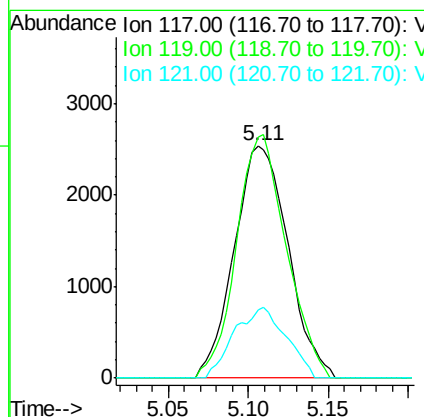
Manual Integrations
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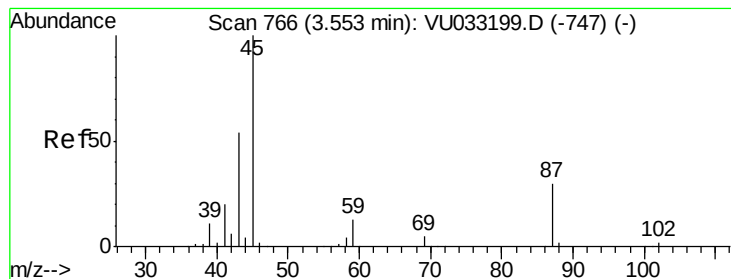
MMDadoda
7/16/2019 4:02:27 PM



#30
Carbon Tetrachloride
Concen: 0.470 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.8	77.4	116.0
121	29.2	24.2	36.2





#31

Isopropyl Ether

Concen: 0.453 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 45 Resp: 9772

Ion Ratio Lower Upper

45 100

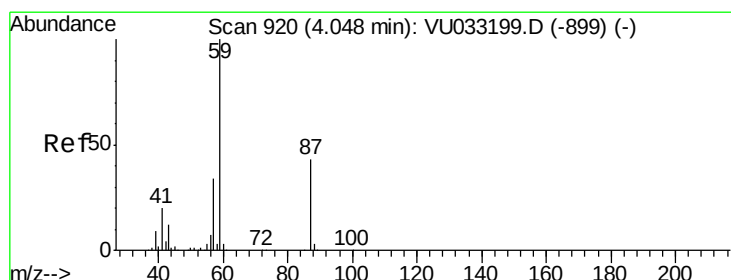
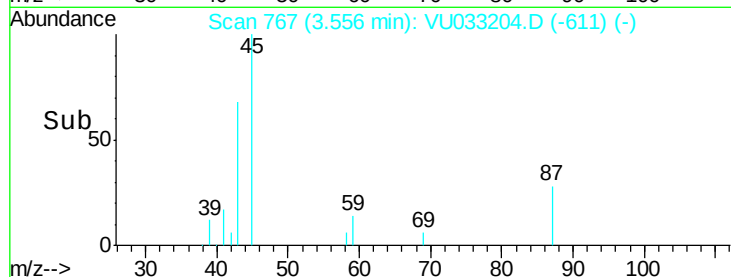
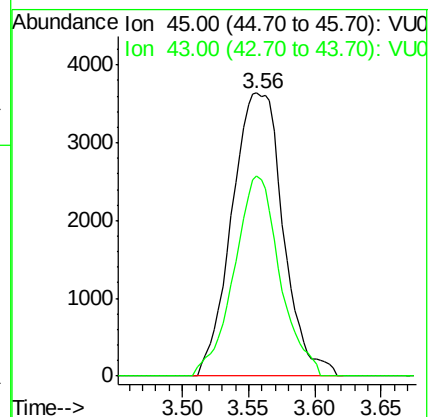
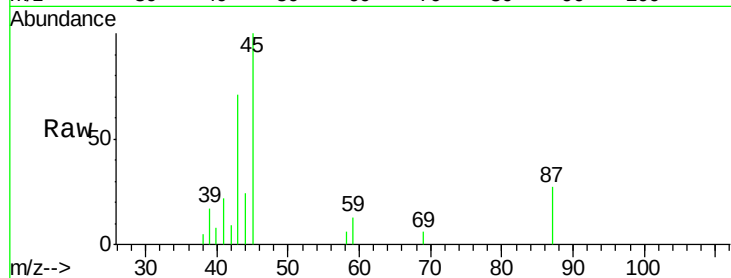
43 63.1 27.3 81.8

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.445 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU033204.D

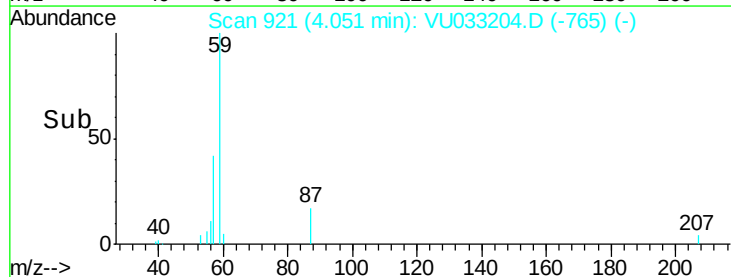
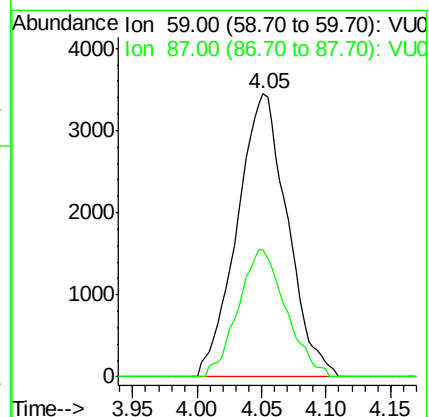
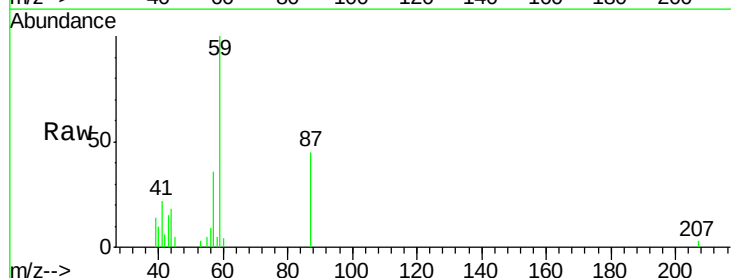
Acq: 11 Jul 2019 22:46

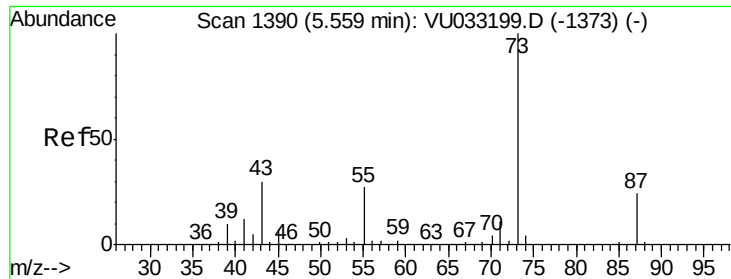
Tgt Ion: 59 Resp: 9364

Ion Ratio Lower Upper

59 100

87 42.5 34.5 51.7





#33

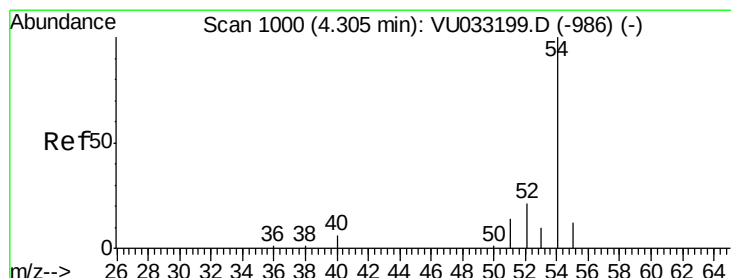
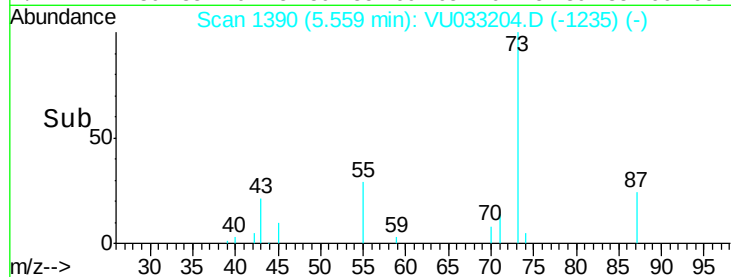
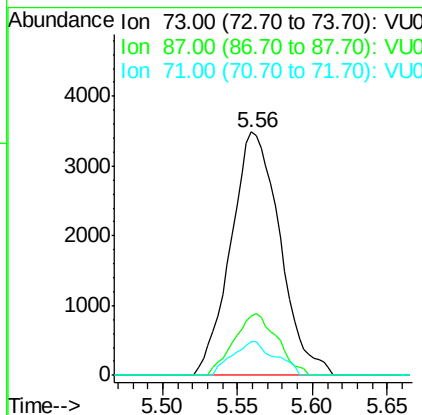
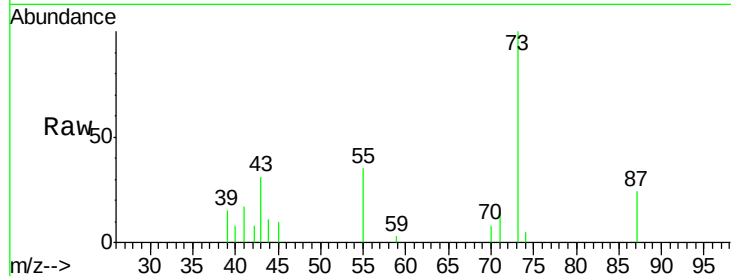
Tert-Butyl methyl ether
 Concen: 0.412 ug/l
 RT: 5.56 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:	73	Resp:	7978
Ion	Ratio	Lower	Upper
73	100		
87	22.3	19.8	29.6
71	12.2	9.1	13.7

Manual Integrations
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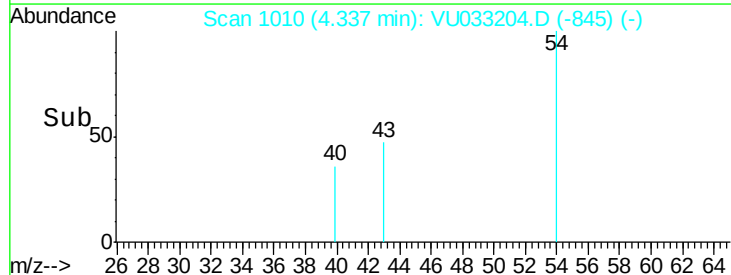
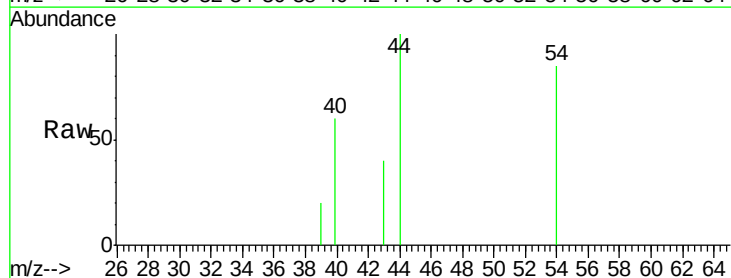
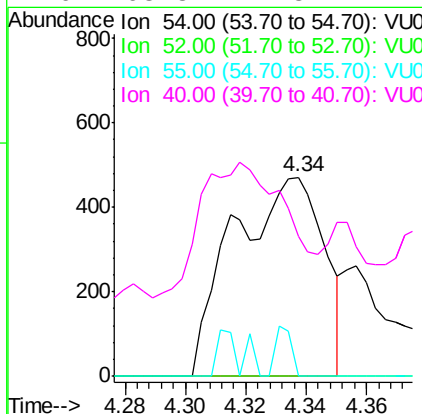
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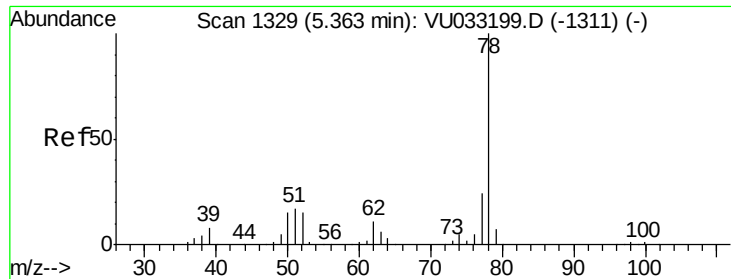


#34

Propionitrile
 Concen: 1.449 ug/l m
 RT: 4.34 min Scan# 1010
 Delta R.T. 0.03 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:	54	Resp:	984
Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.7	25.1#
55	6.1	12.9	19.3#
40	68.8	4.8	7.2#





#35

Benzene

Concen: 0.467 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 78 Resp: 16126

Ion Ratio Lower Upper

78 100

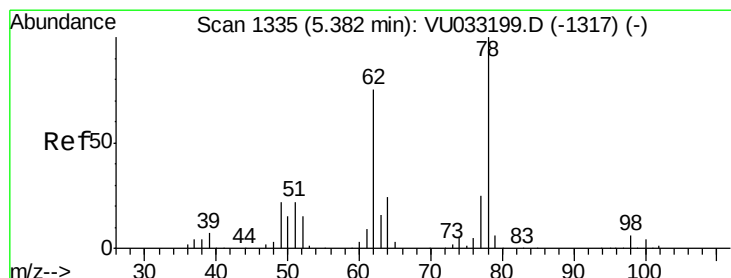
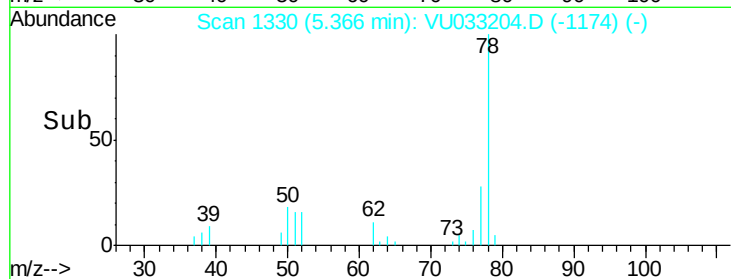
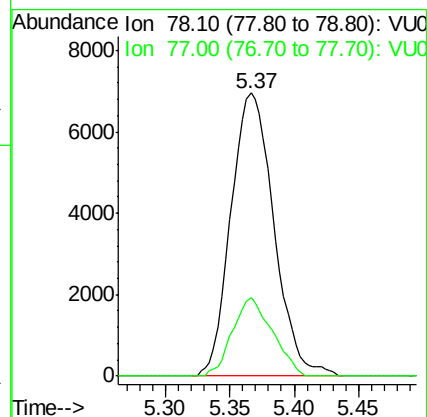
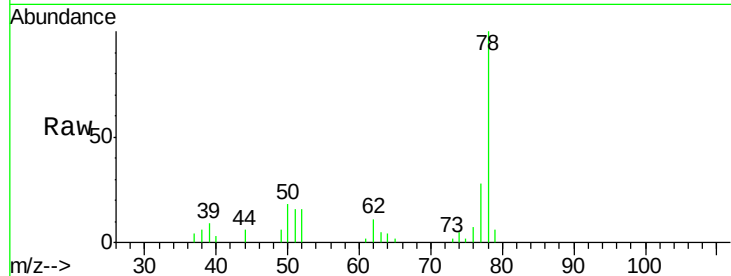
77 27.5 19.3 28.9

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 0.474 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033204.D

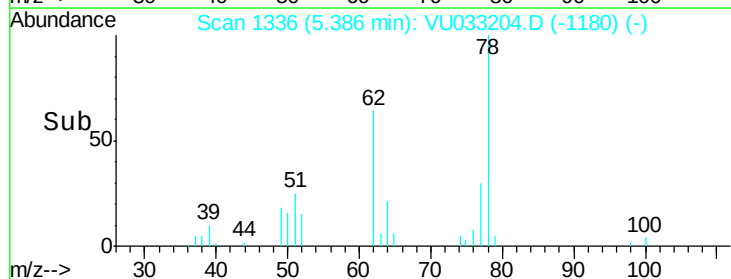
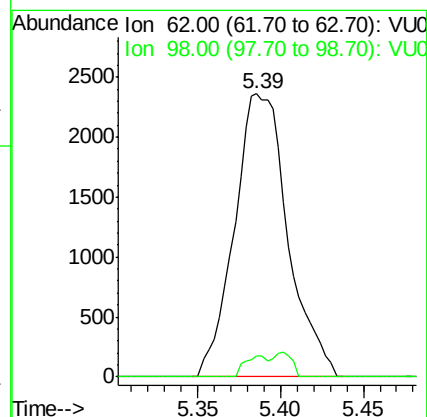
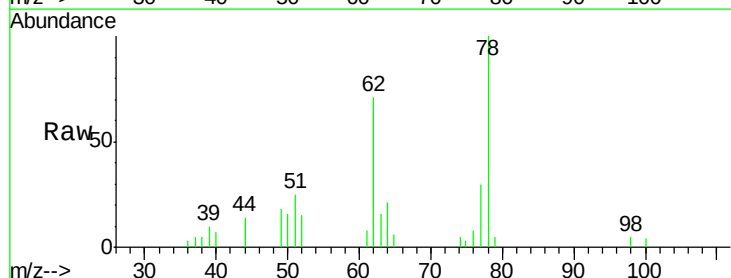
Acq: 11 Jul 2019 22:46

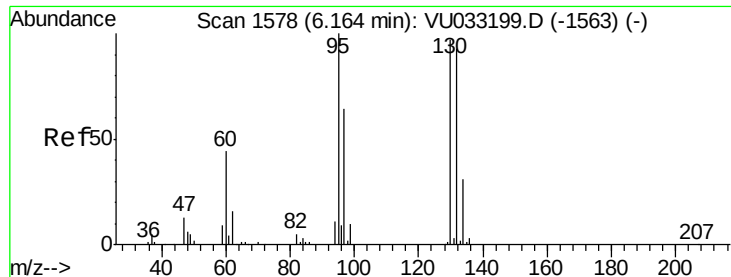
Tgt Ion: 62 Resp: 5302

Ion Ratio Lower Upper

62 100

98 3.2 6.7 10.1#





#37

Trichloroethene

Concen: 0.459 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:130 Resp: 4139

Ion Ratio Lower Upper

130 100

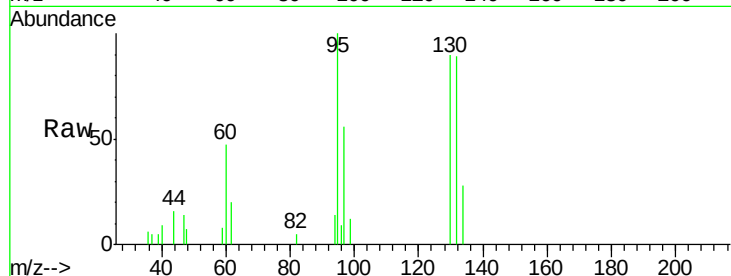
95 110.9 82.4 123.6

Manual Integrations

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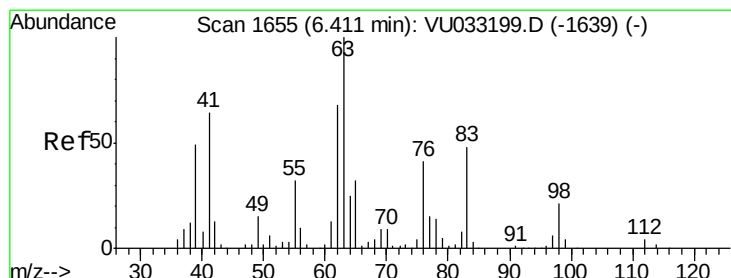
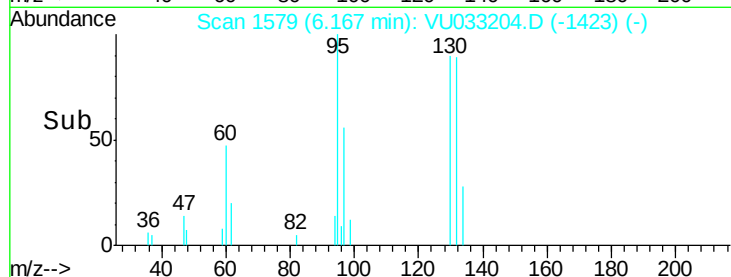
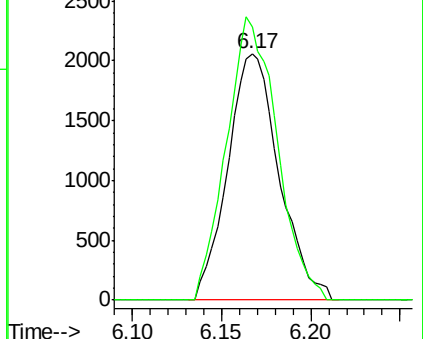
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Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)



#38

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033204.D

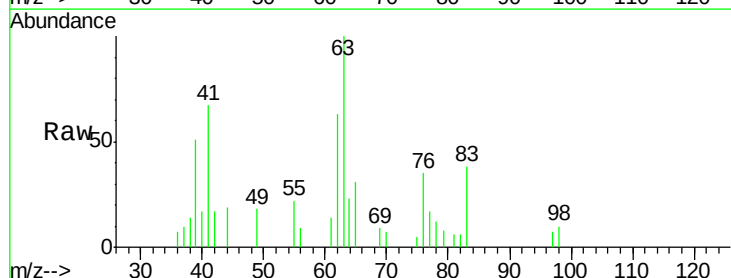
Acq: 11 Jul 2019 22:46

Tgt Ion: 63 Resp: 4291

Ion Ratio Lower Upper

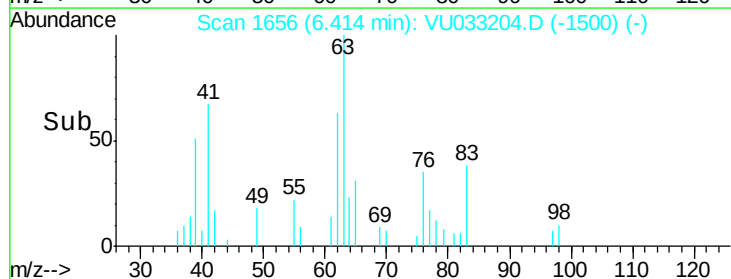
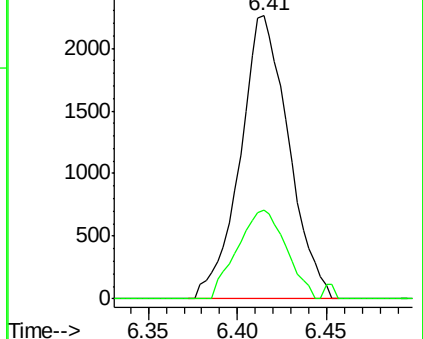
63 100

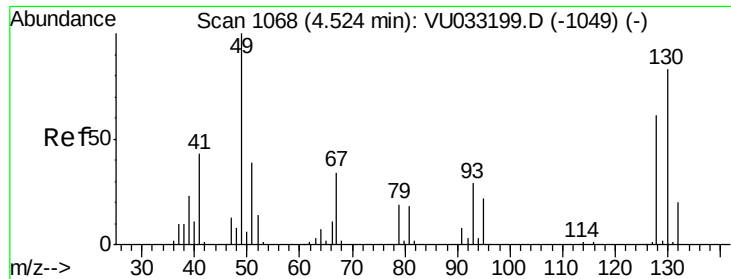
65 31.5 25.3 37.9



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

Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)





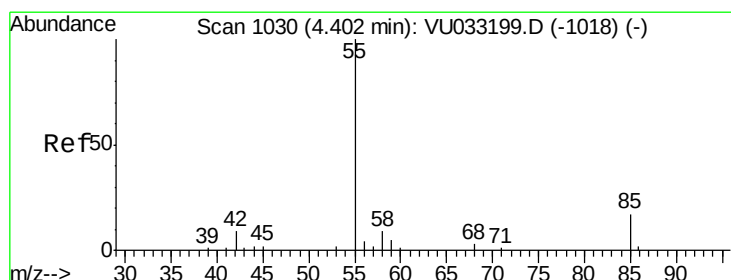
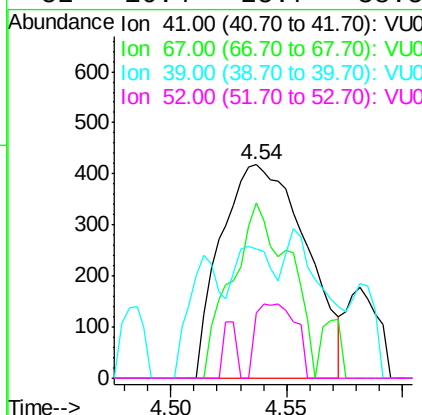
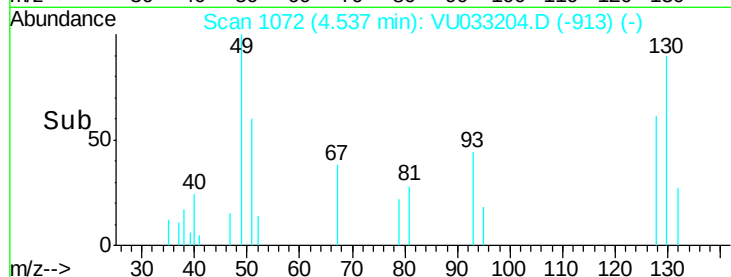
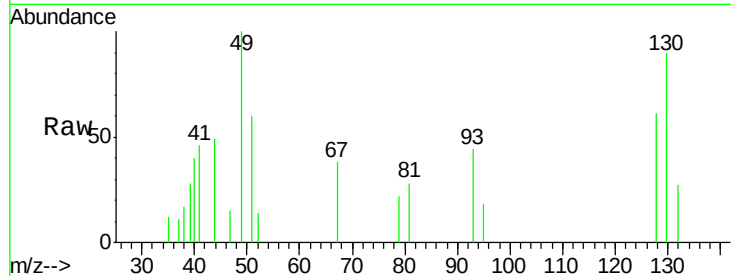
#39
Methacrylonitrile
Concen: 0.380 ug/l
RT: 4.54 min Scan# 1072
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
41	100		
67	55.6	61.0	91.4#
39	29.4	44.4	66.6#
52	16.4	25.7	38.5#

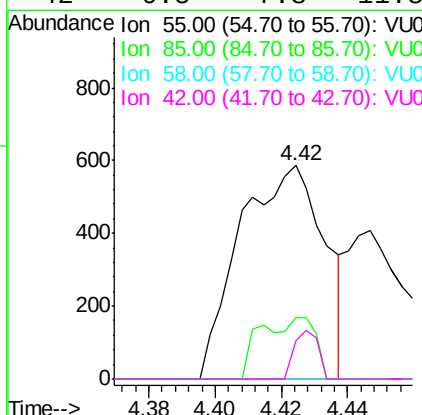
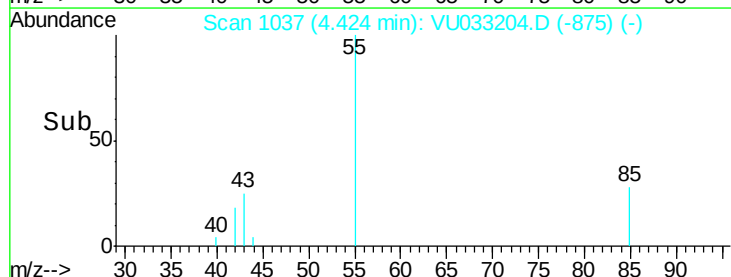
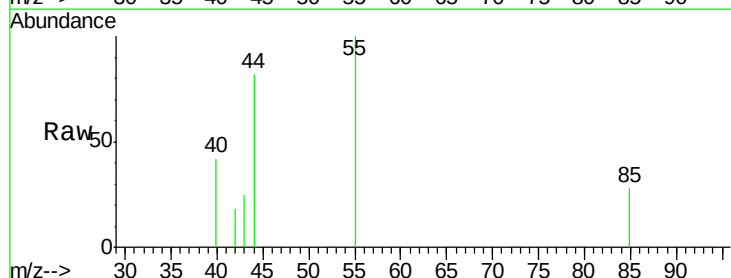
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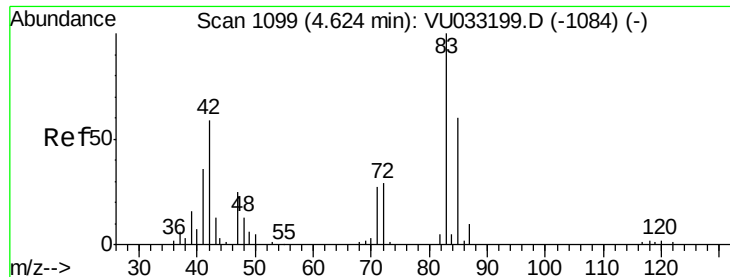
MMDadoda
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#40
Methyl acrylate
Concen: 0.250 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6#
58	0.0	7.0	10.4#
42	6.5	7.8	11.8#





#41

Tetrahydrofuran

Concen: 0.840 ug/l m

RT: 4.63 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

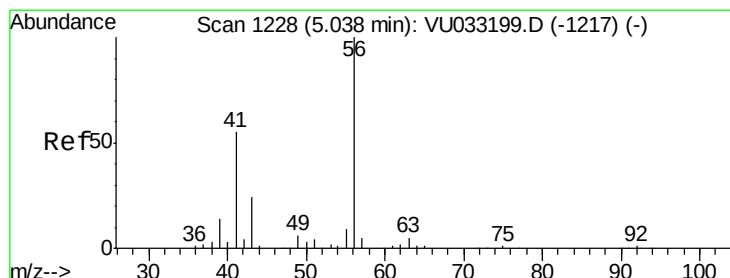
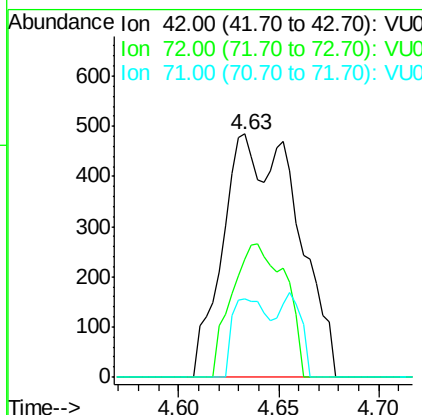
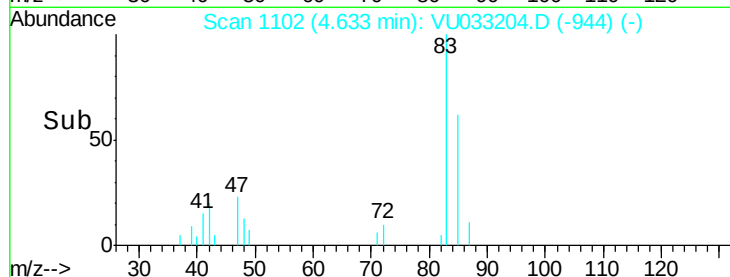
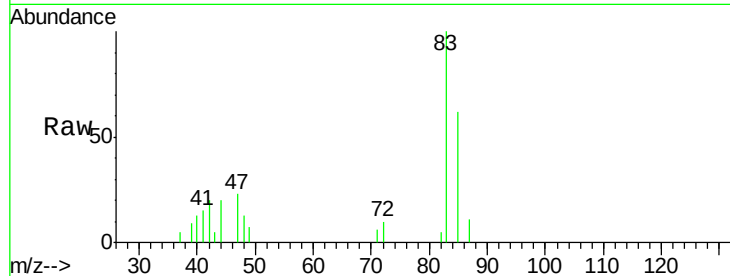
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	42	Resp:	1240
Ion	Ratio	Lower	Upper
42	100		
72	39.8	40.7	61.1#
71	15.2	35.4	53.0#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.442 ug/l

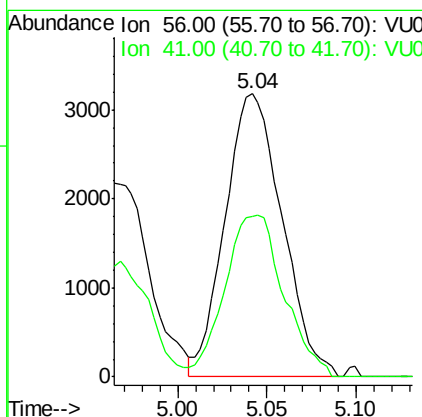
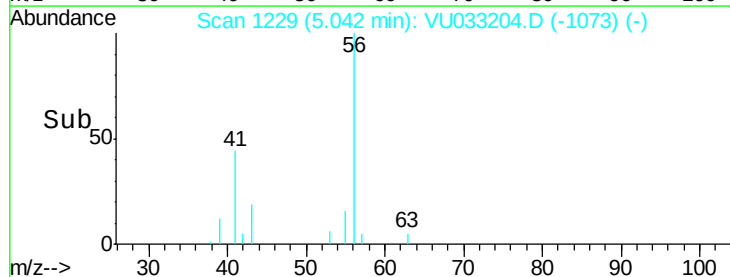
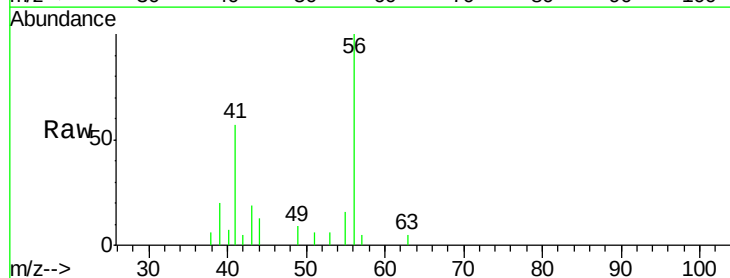
RT: 5.04 min Scan# 1229

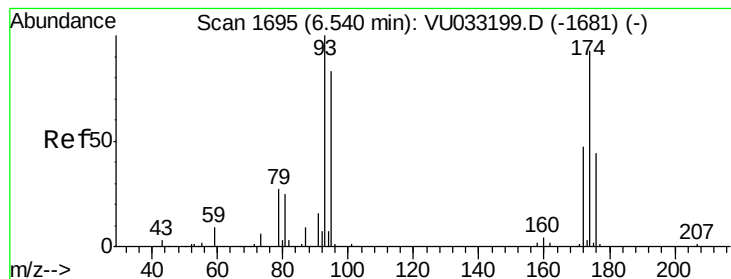
Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	56	Resp:	7101
Ion	Ratio	Lower	Upper
56	100		
41	58.9	26.5	79.4





#43

Dibromomethane

Concen: 0.442 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

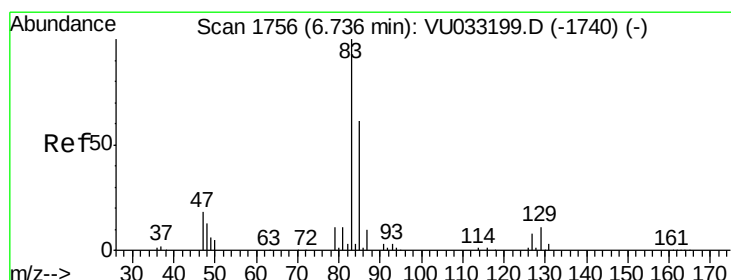
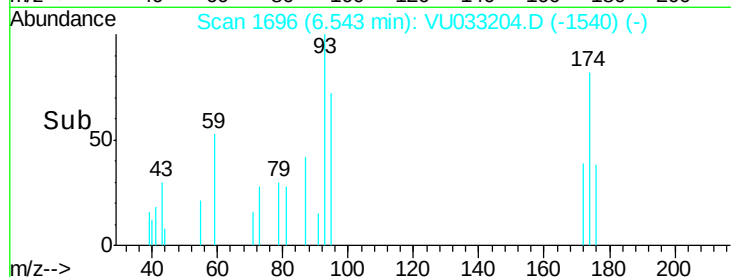
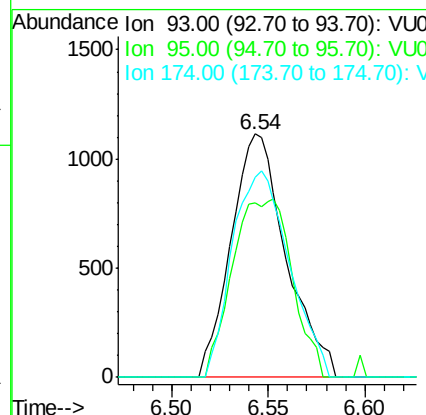
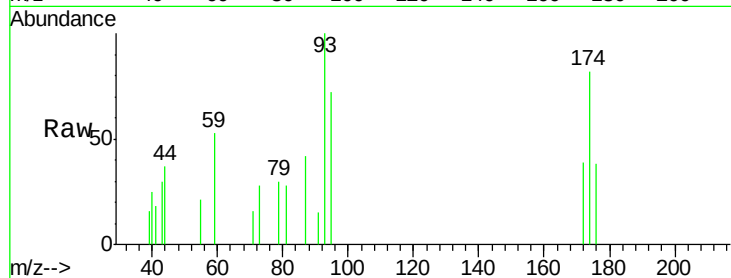
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	93	Resp:	2206
Ion	Ratio	Lower	Upper
93	100		
95	41.8	67.5	101.3#
174	88.1	74.2	111.2

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#44

Bromodichloromethane

Concen: 0.453 ug/l

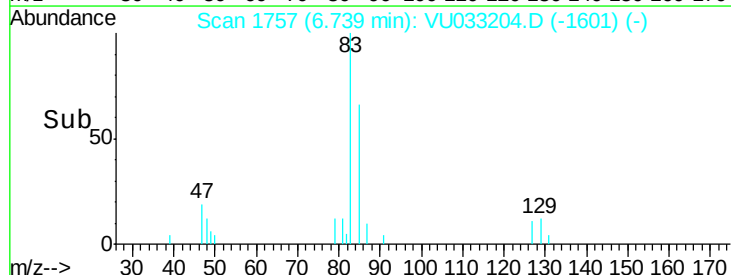
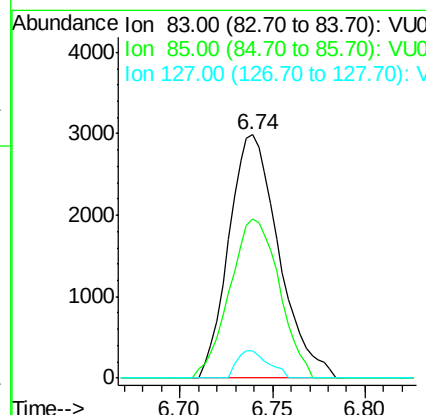
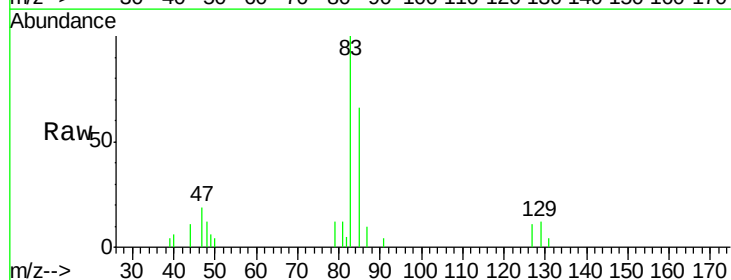
RT: 6.74 min Scan# 1757

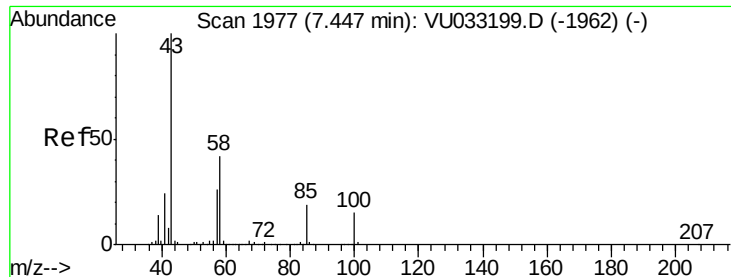
Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	83	Resp:	5572
Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.1	73.7
127	11.0	6.6	9.8#





#45

4-Methyl-2-Pentanone

Concen: 2.099 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

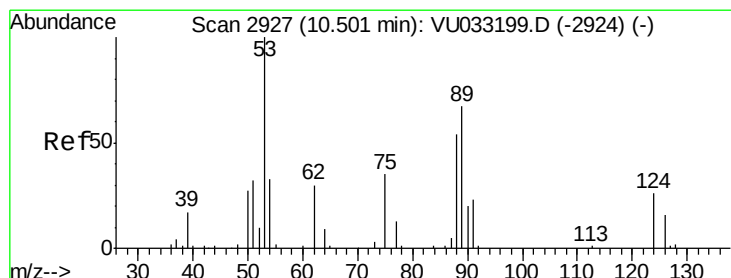
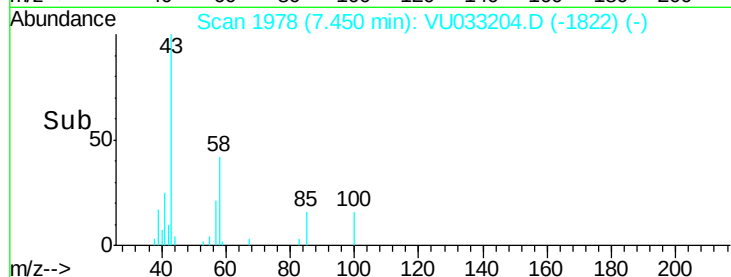
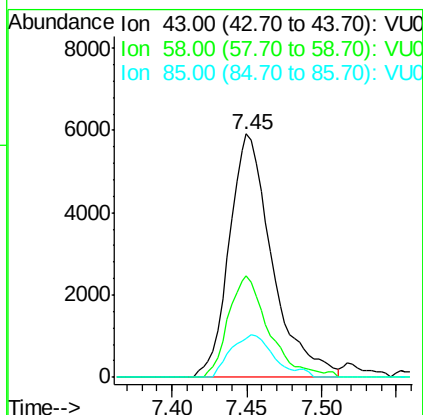
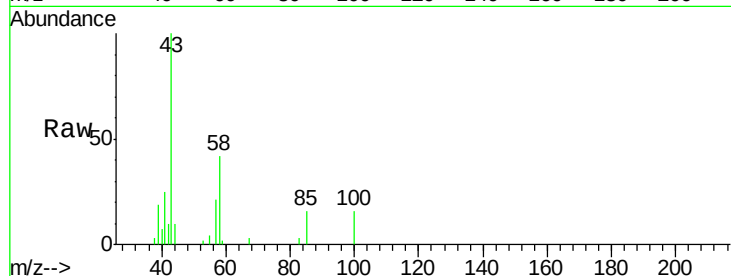
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	43	Resp:	11807
Ion	Ratio	Lower	Upper
43	100		
58	39.3	20.4	61.2
85	17.6	14.7	22.1

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#46

t-1,4-Dichloro-2-butene

Concen: 0.619 ug/l m

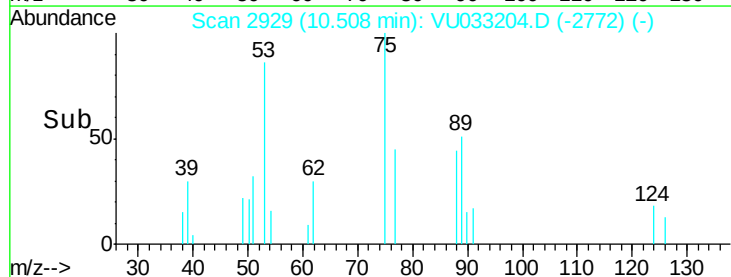
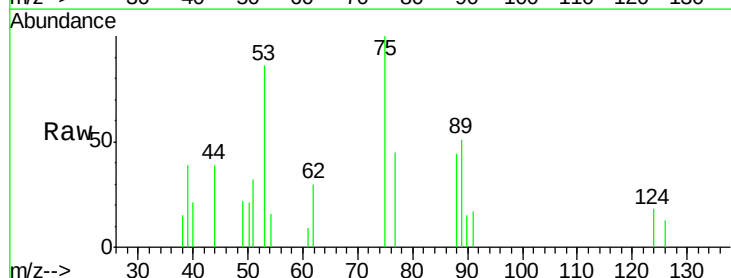
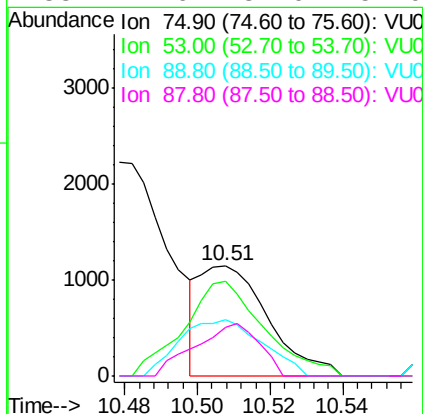
RT: 10.51 min Scan# 2929

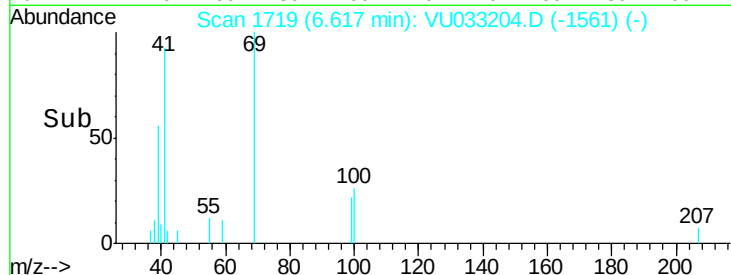
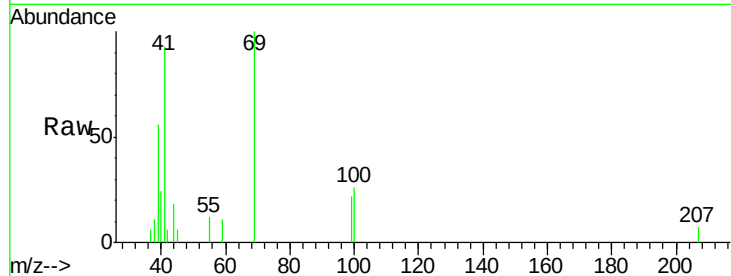
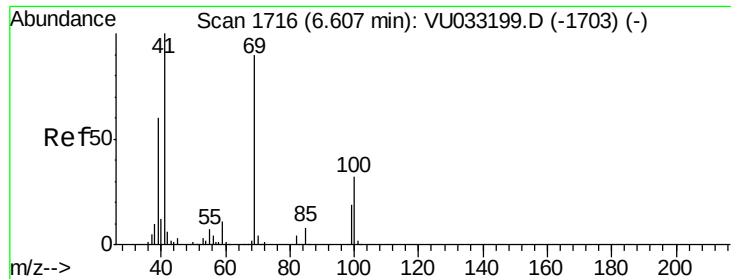
Delta R.T. 0.01 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	75	Resp:	1483
Ion	Ratio	Lower	Upper
75	100		
53	101.0	63.8	95.6#
89	62.6	44.0	66.0
88	44.6	34.0	51.0





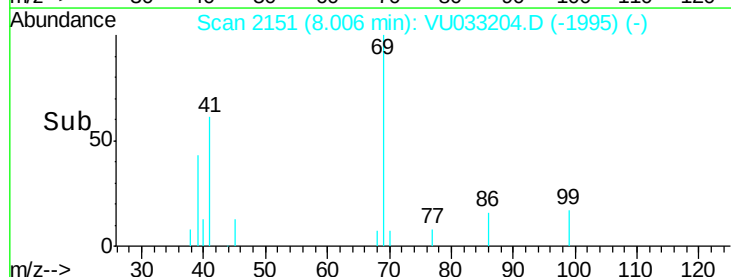
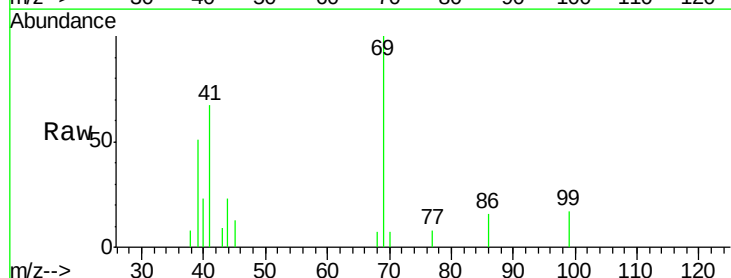
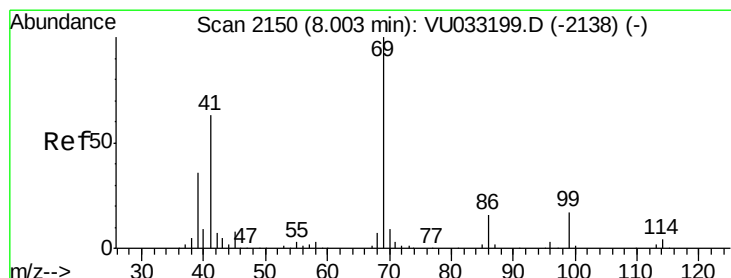
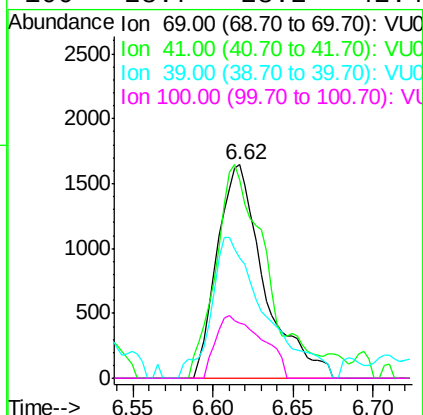
#47
Methyl methacrylate
Concen: 0.824 ug/l
RT: 6.62 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	107.5	0.0	217.0	
39	75.4	52.1	78.1	
100	28.7	28.2	42.4	

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

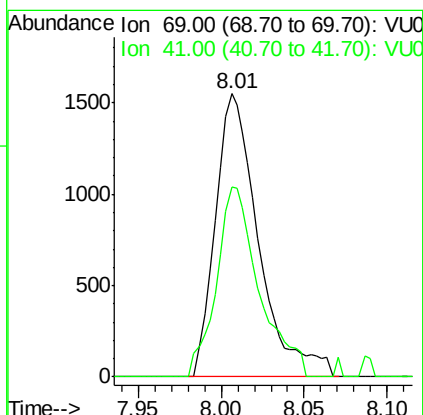
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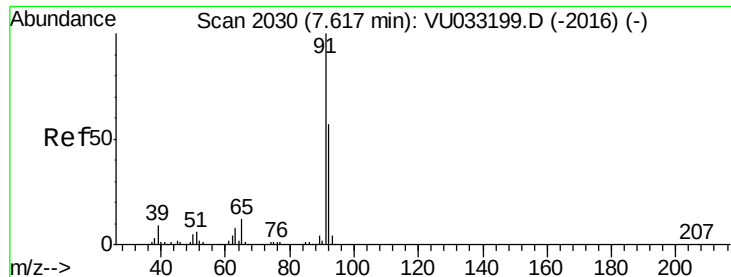
MMDadoda
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#48
Ethyl methacrylate
Concen: 0.369 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.1	31.3	93.8	





#49

Toluene

Concen: 0.414 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion: 92 Resp: 8426

Ion Ratio Lower Upper

92 100

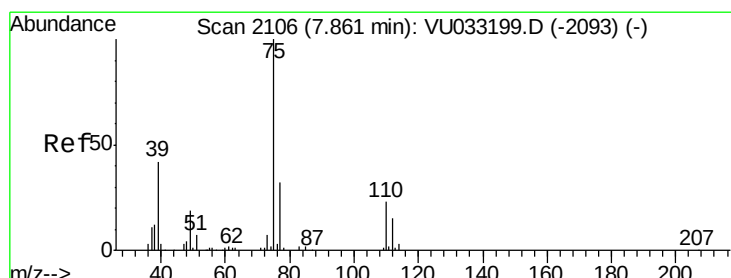
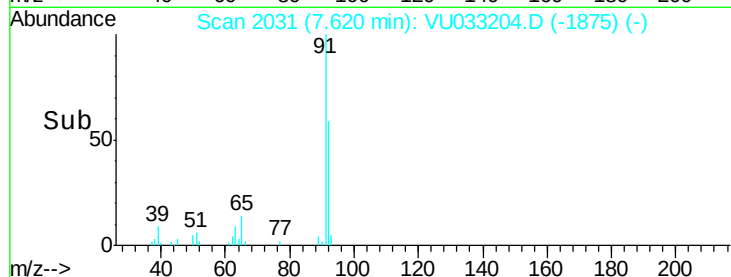
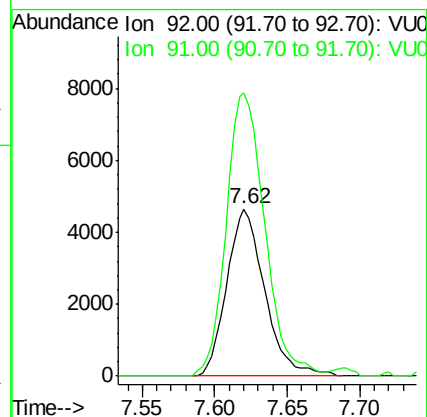
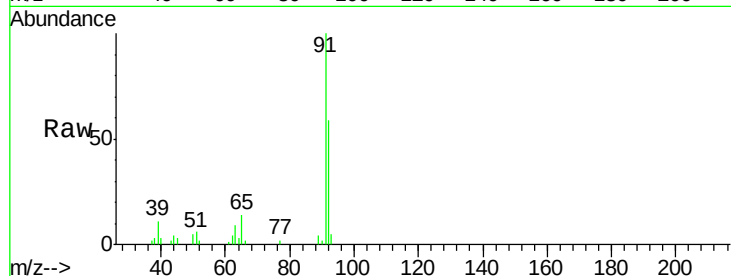
91 172.0 141.2 211.8

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#50

t-1,3-Dichloropropene

Concen: 0.418 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033204.D

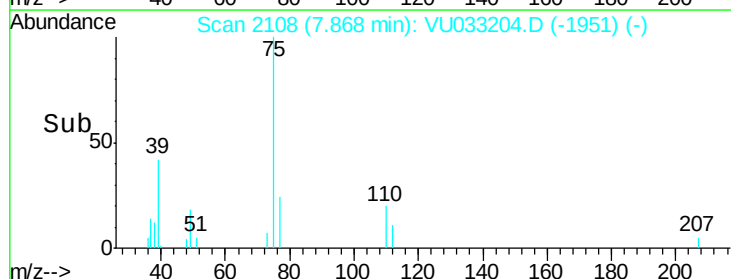
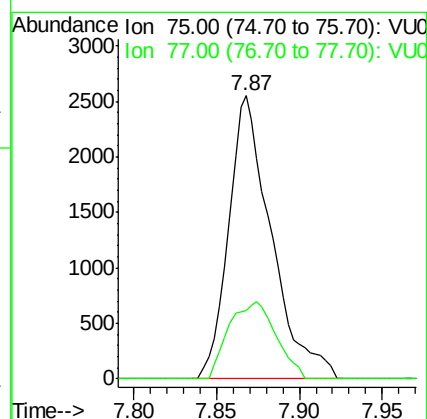
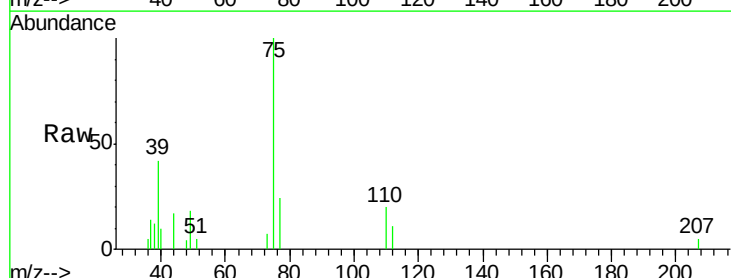
Acq: 11 Jul 2019 22:46

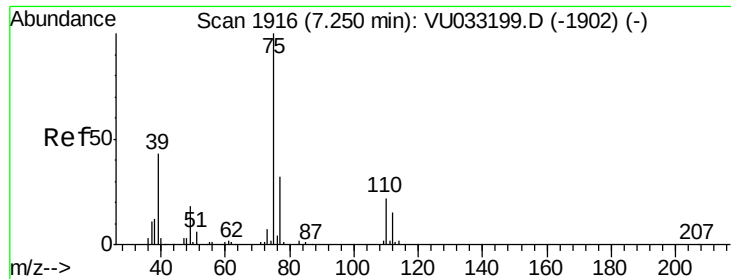
Tgt Ion: 75 Resp: 4565

Ion Ratio Lower Upper

75 100

77 24.0 25.2 37.8#





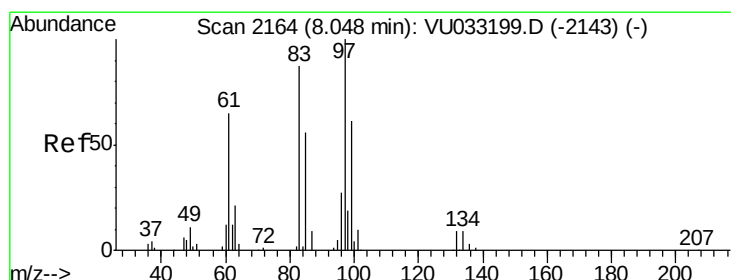
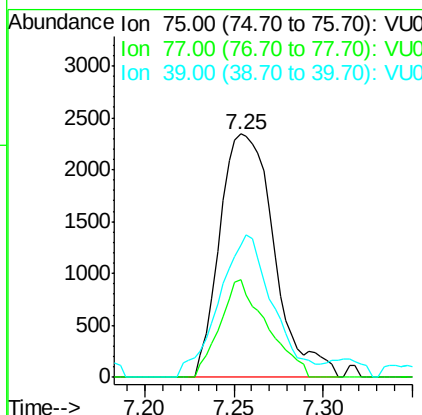
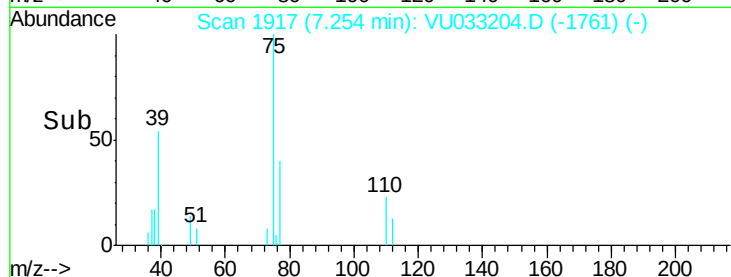
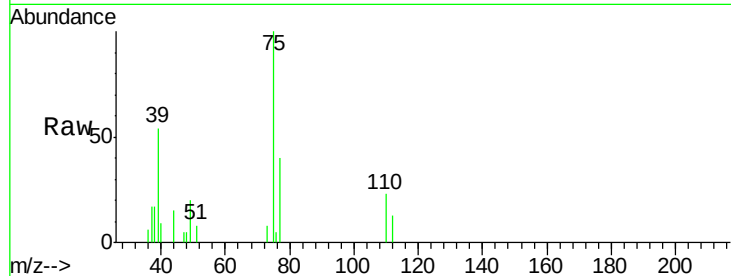
#51
 cis-1,3-Dichloropropene
 Concen: 0.393 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	40.1	25.4	38.0#
39	47.3	34.5	51.7

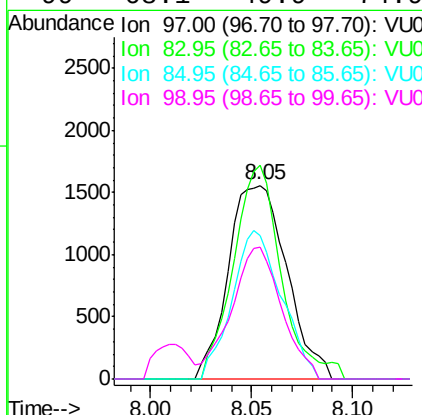
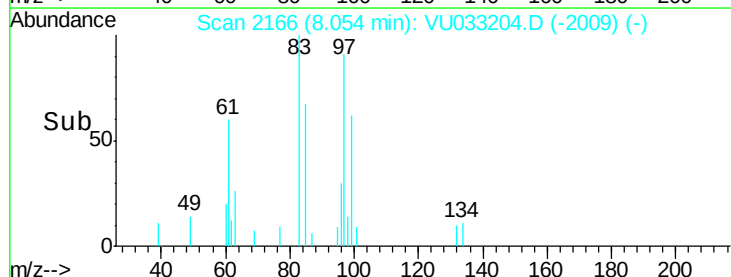
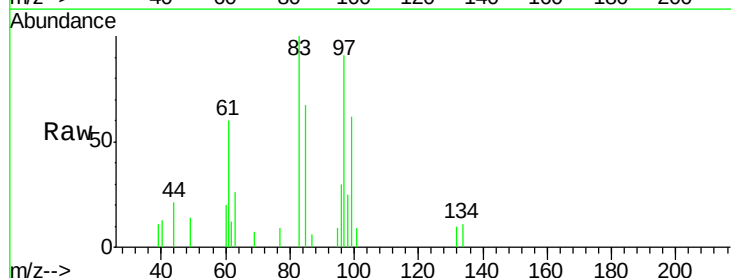
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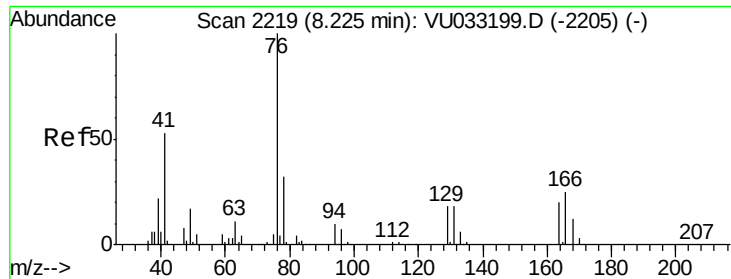
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#52
 1,1,2-Trichloroethane
 Concen: 0.455 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	110.3	69.9	104.9#
85	73.7	45.2	67.8#
99	68.1	49.9	74.9





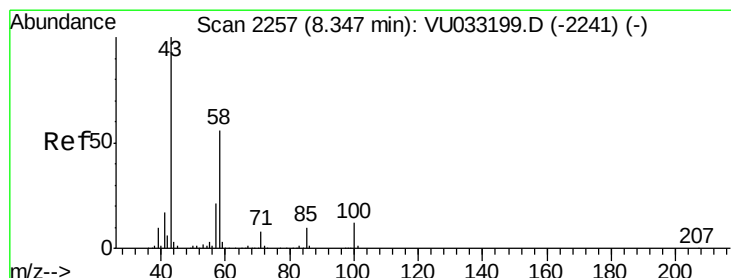
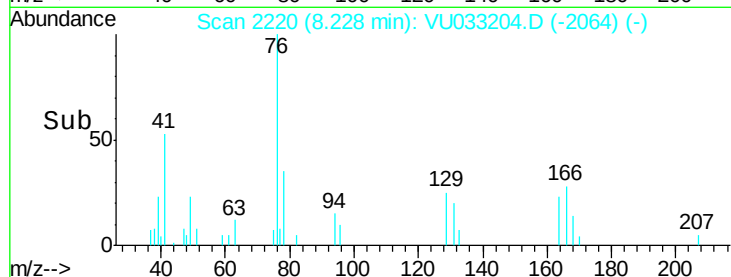
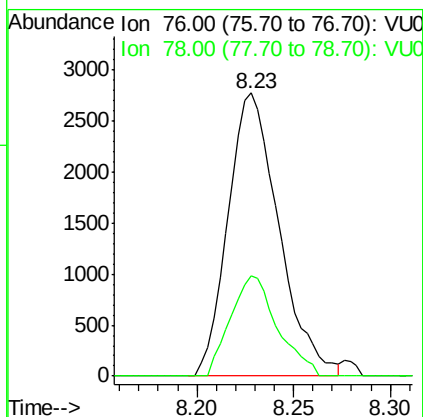
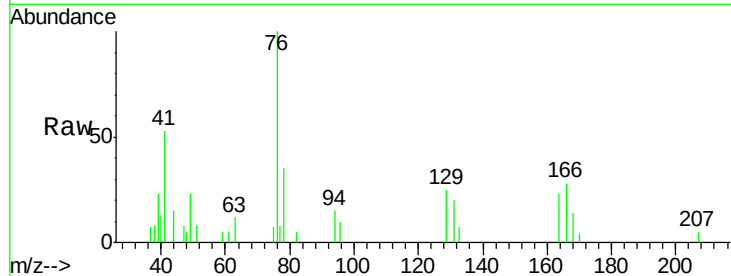
#53
 1,3-Dichloropropane
 Concen: 0.432 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion: 76 Resp: 5077
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

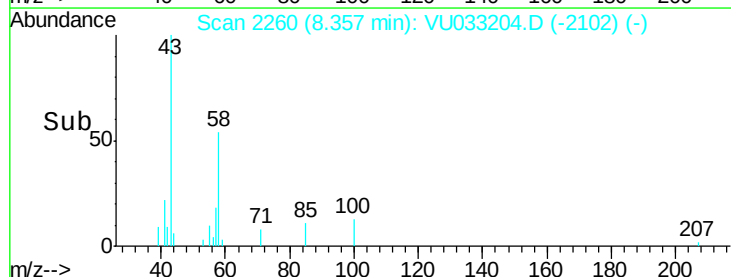
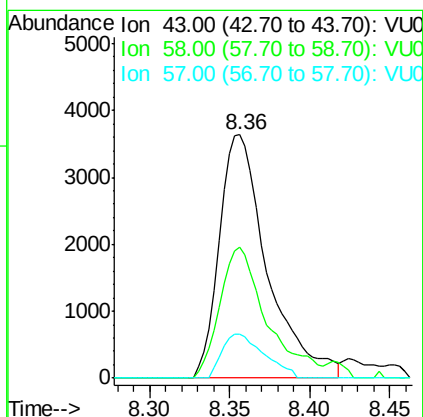
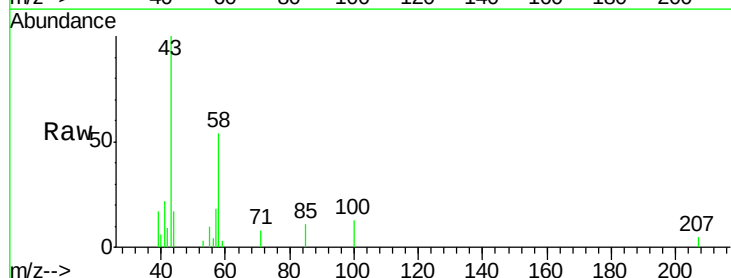
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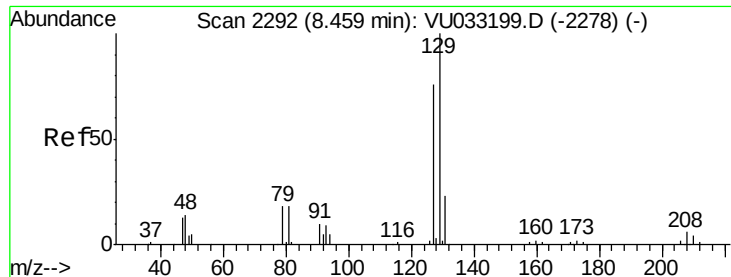
MMDadoda
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#54
 2-Hexanone
 Concen: 1.909 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion: 43 Resp: 7503
 Ion Ratio Lower Upper
 43 100
 58 52.5 35.8 75.8
 57 15.8 0.2 40.2





#55

Dibromochloromethane

Concen: 0.467 ug/l

RT: 8.46 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:129 Resp: 3750

Ion Ratio Lower Upper

129 100

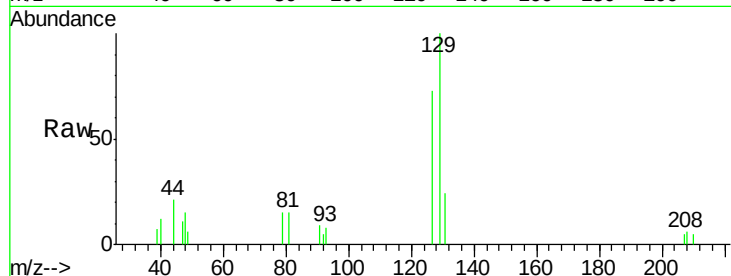
127 78.8 62.9 94.3

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

2500

2000

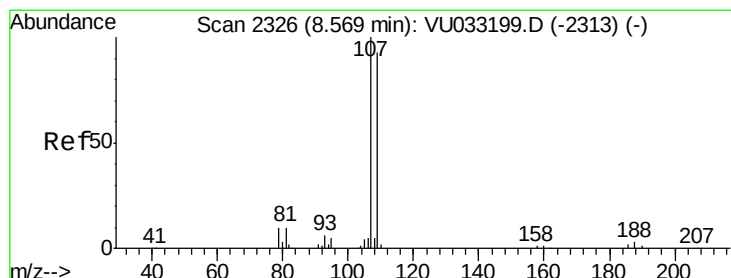
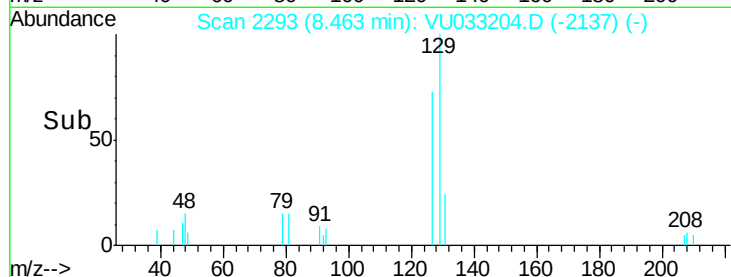
1500

1000

500

0

Time-->



#56

1,2-Dibromoethane

Concen: 0.451 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033204.D

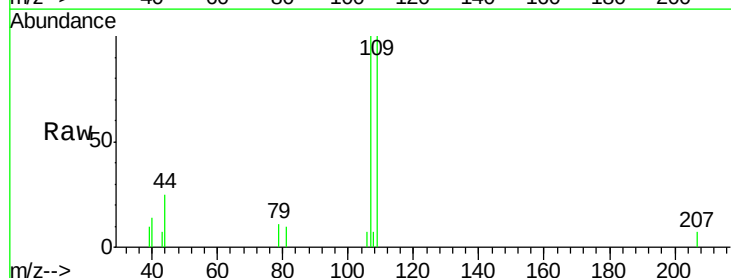
Acq: 11 Jul 2019 22:46

Tgt Ion:107 Resp: 2890

Ion Ratio Lower Upper

107 100

109 97.3 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

2000

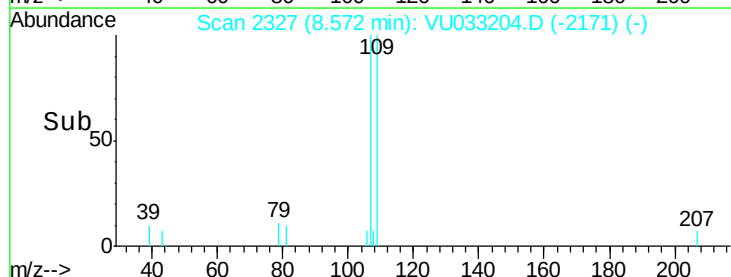
1500

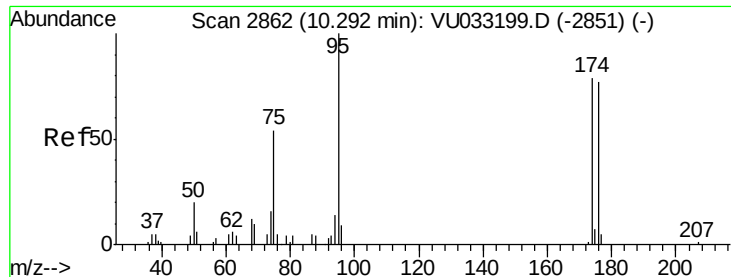
1000

500

0

Time-->





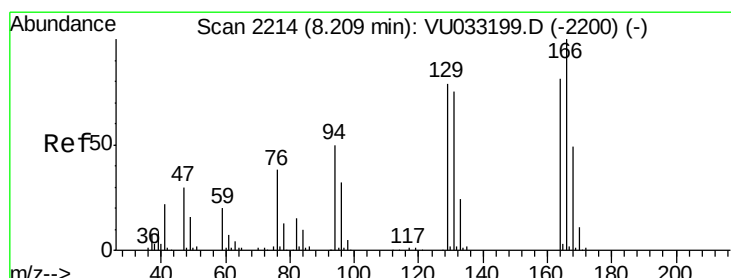
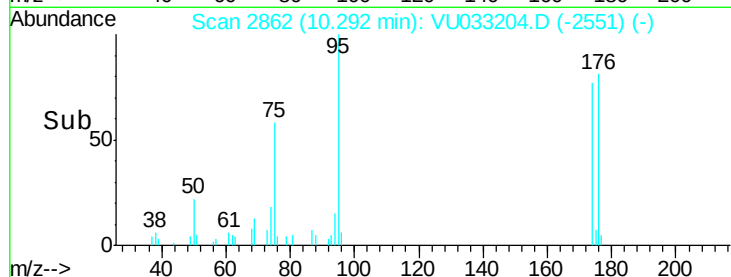
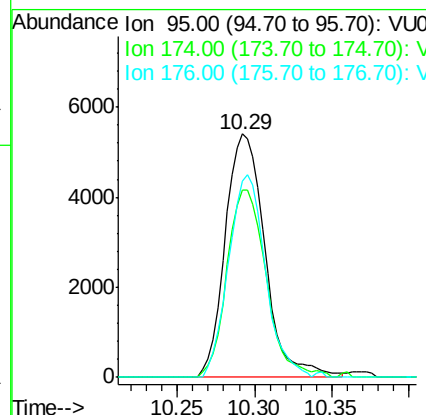
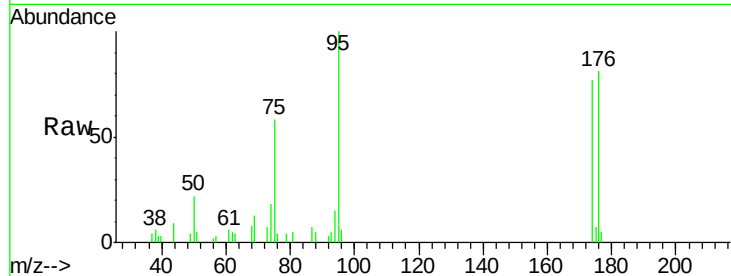
#57
4-Bromofluorobenzene
Concen: 0.873 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
95	100	9655		
174	76.0	63.8	95.8	
176	77.0	64.5	96.7	

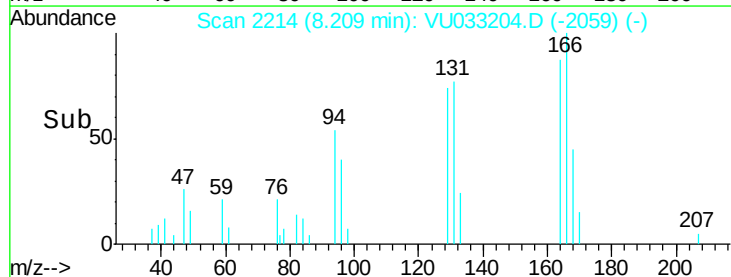
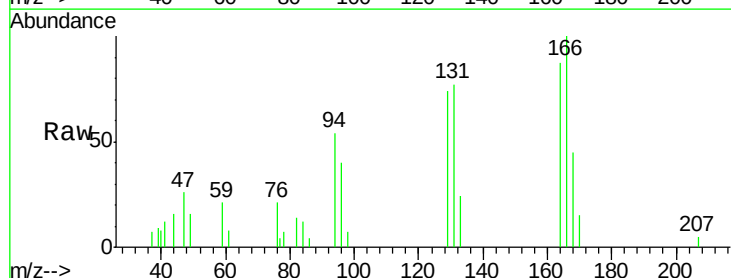
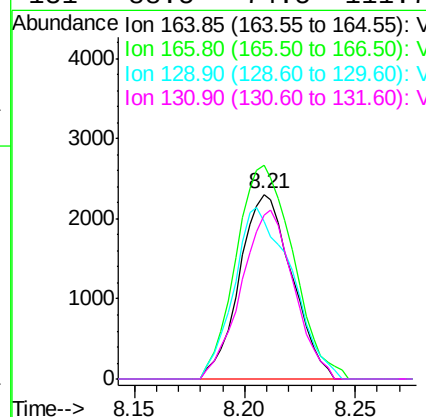
Manual Integrations
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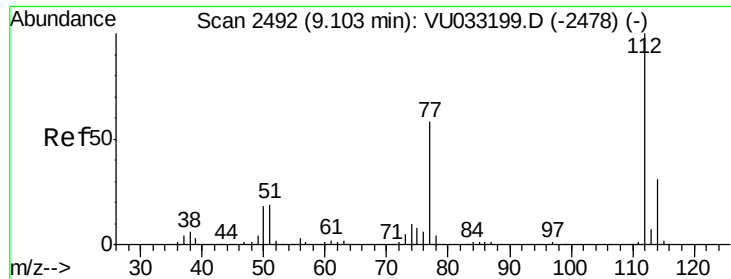
MMDadoda
7/16/2019 4:02:27 PM



#58
Tetrachloroethene
Concen: 0.461 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3805		
166	115.5	99.3	148.9	
129	85.2	78.0	117.0	
131	88.5	74.5	111.7	





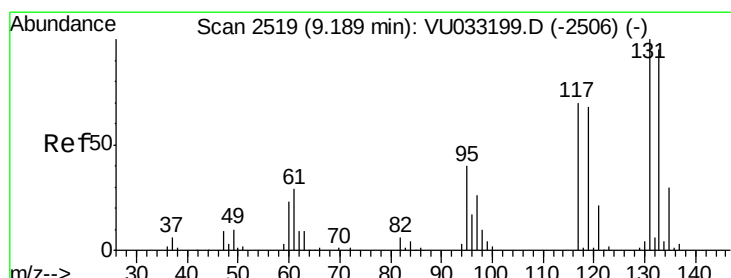
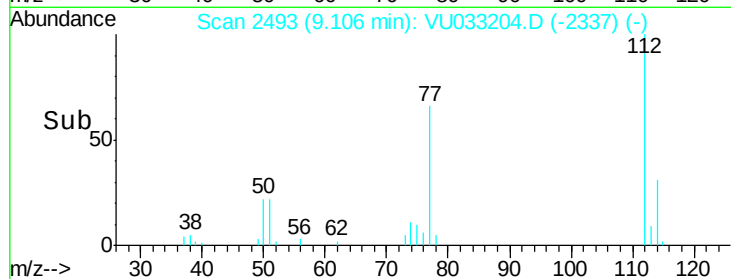
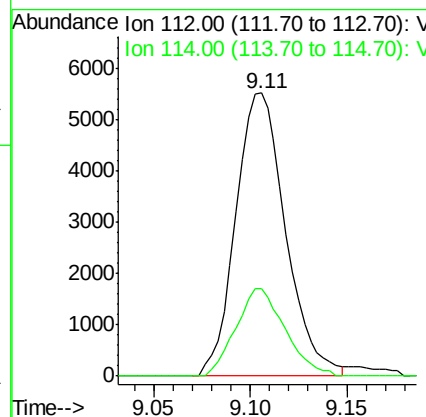
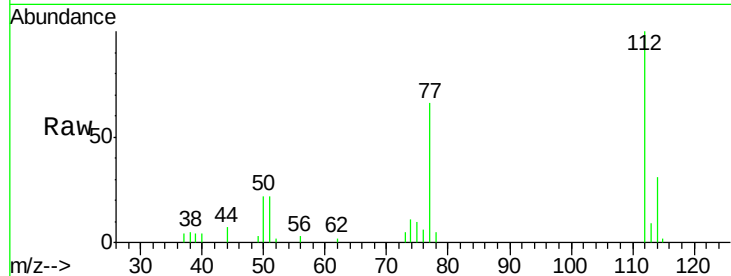
#59
Chlorobenzene
Concen: 0.432 ug/l
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:112 Resp: 9883
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7

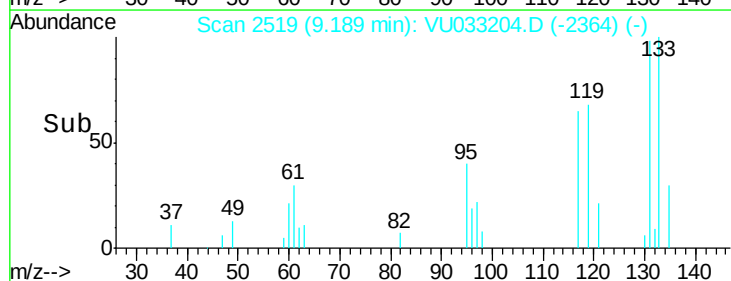
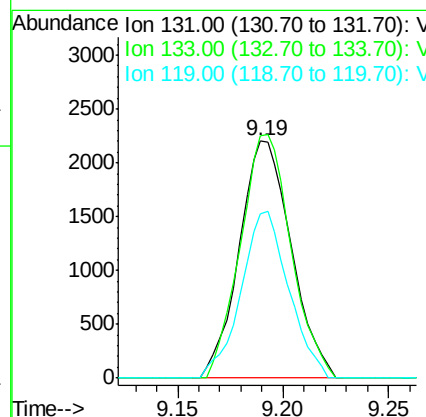
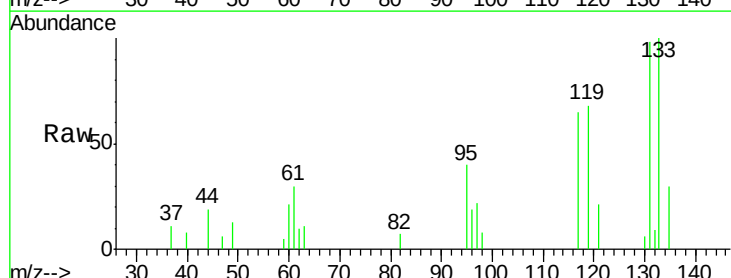
Manual Integrations
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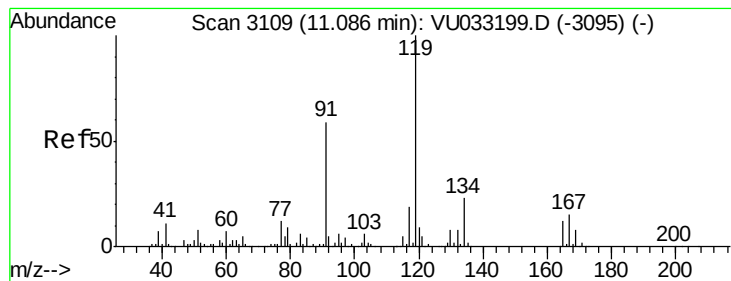
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.447 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion:131 Resp: 3770
Ion Ratio Lower Upper
131 100
133 100.2 76.7 115.1
119 64.6 54.2 81.2





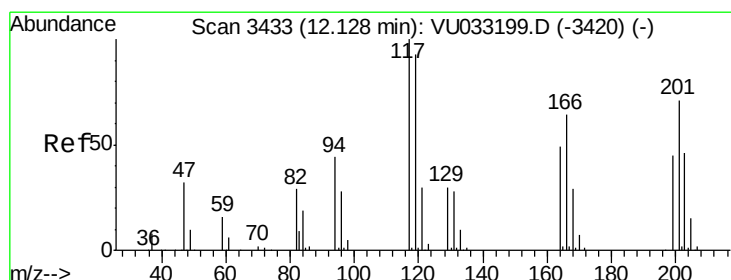
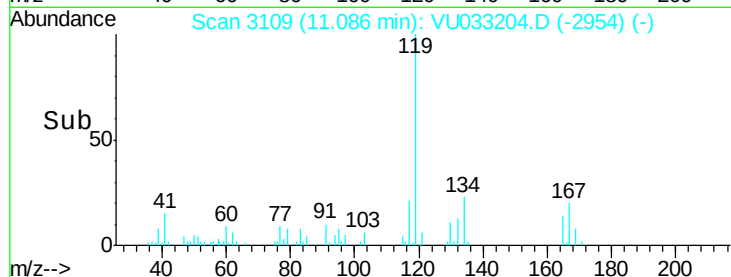
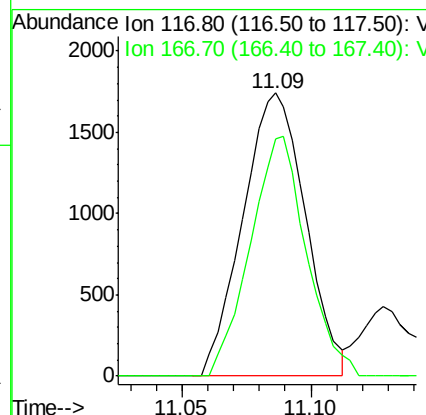
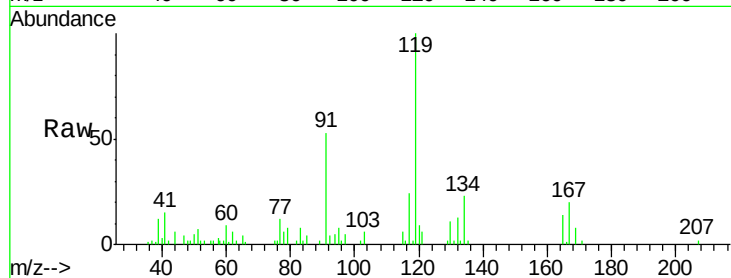
#61
 Pentachloroethane
 Concen: 0.445 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion:117 Resp: 2951
 Ion Ratio Lower Upper
 117 100
 167 76.0 63.6 95.4

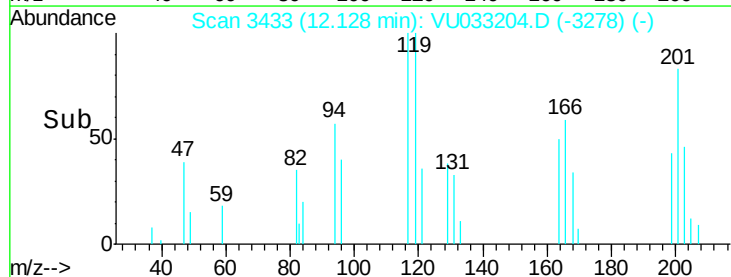
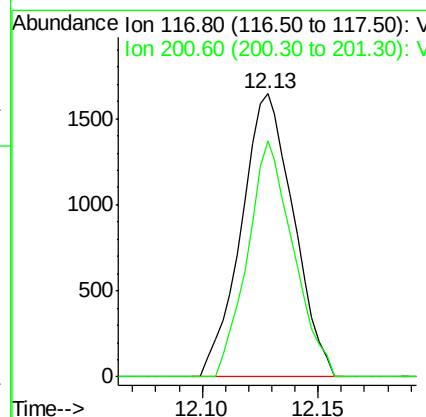
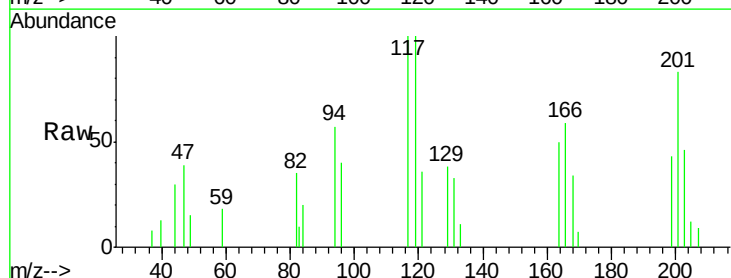
Manual Integrations
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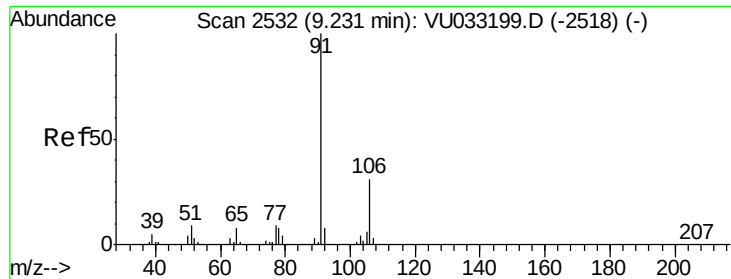
MMDadoda
 7/16/2019 4:02:27 PM



#62
 Hexachloroethane
 Concen: 0.401 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion:117 Resp: 2582
 Ion Ratio Lower Upper
 117 100
 201 72.7 58.5 87.7





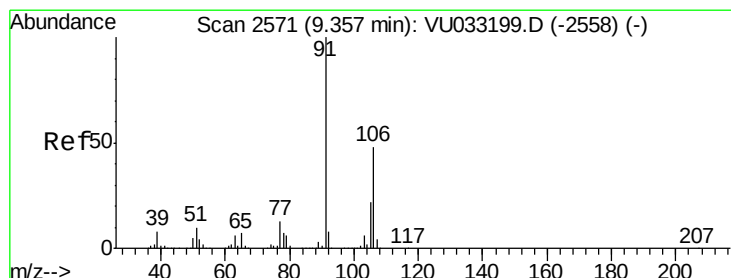
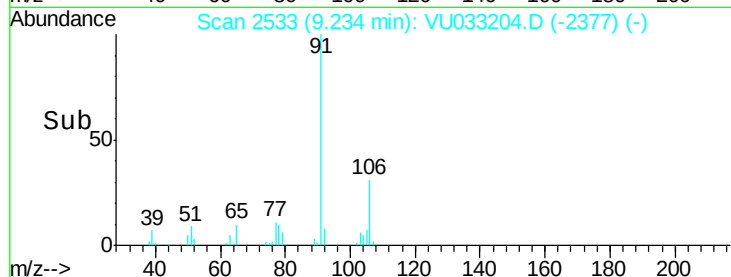
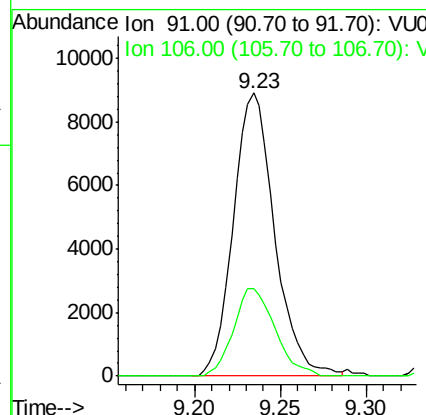
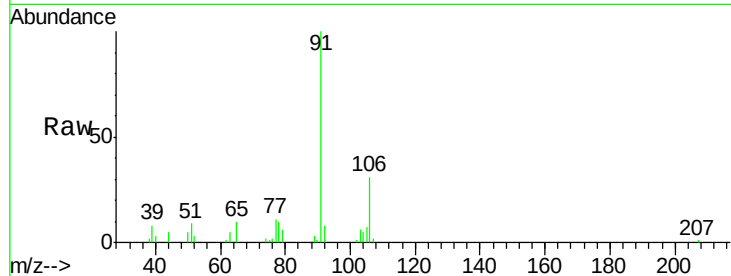
#63
Ethyl Benzene
Concen: 0.399 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion: 91 Resp: 14930
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

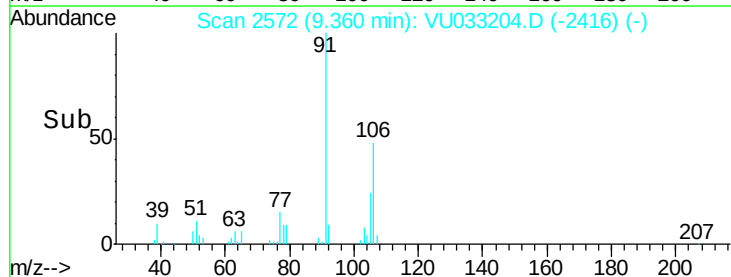
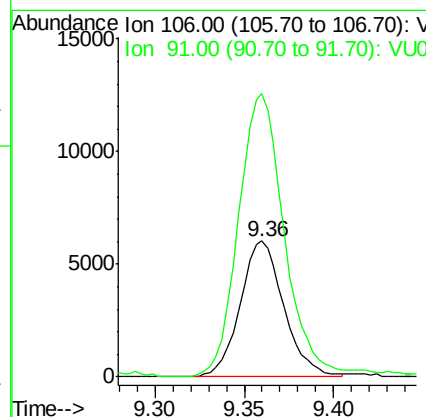
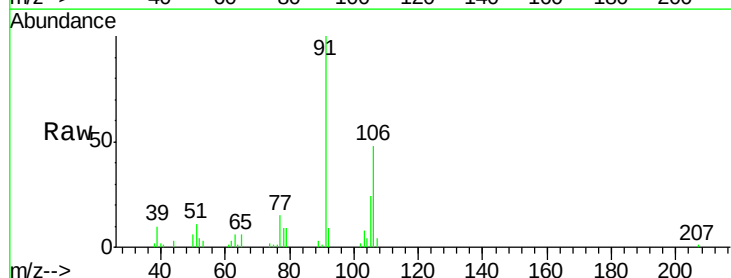
Manual Integrations
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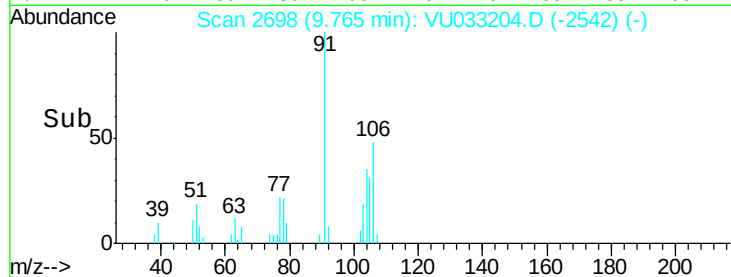
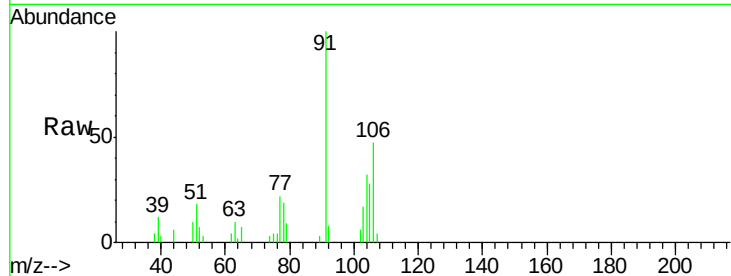
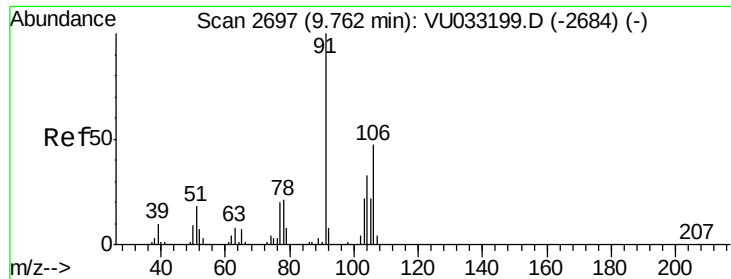
MMDadoda
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#64
m/p-Xylenes
Concen: 0.704 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion: 106 Resp: 10298
Ion Ratio Lower Upper
106 100
91 220.9 164.8 247.2





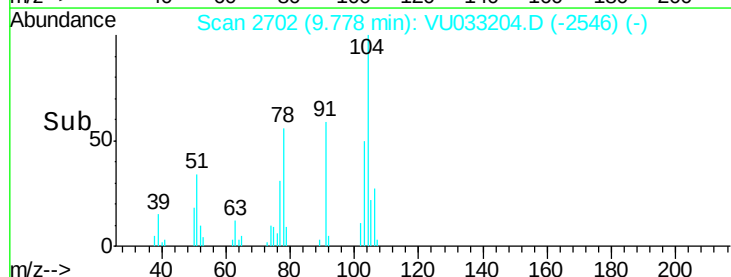
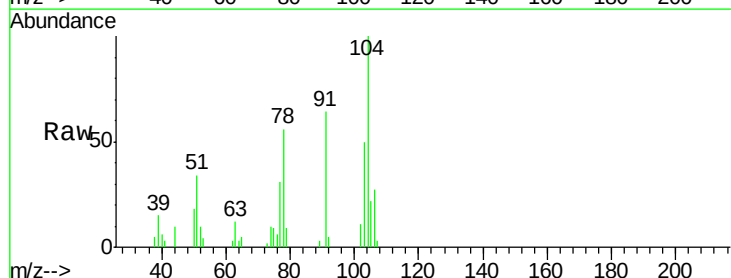
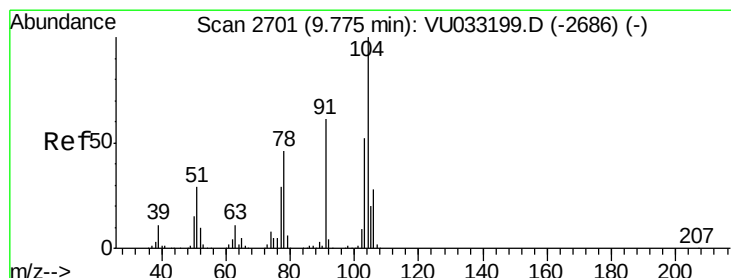
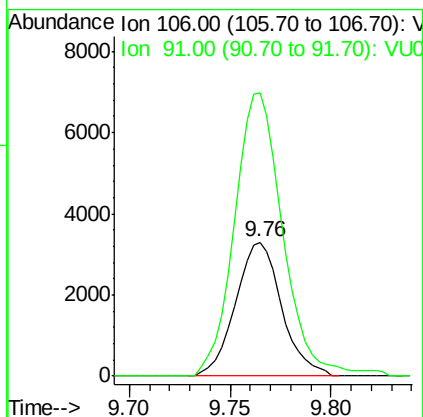
#65
o-Xylene
Concen: 0.373 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tot Ion	Ratio	Resp	Lower	Upper
106	100	5302		
91	222.2		108.6	325.8

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

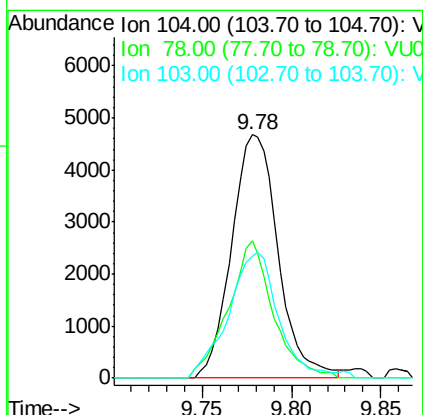
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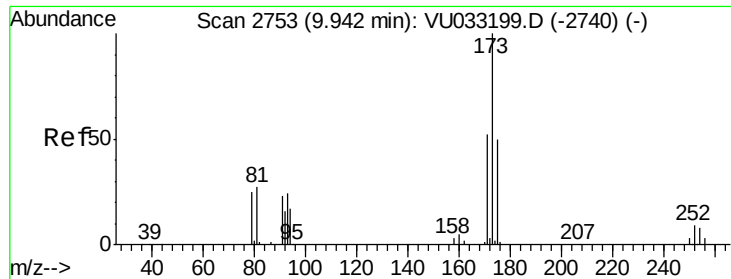
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#66
Styrene
Concen: 0.355 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	8531		
78	54.1		40.4	60.6
103	56.0		44.3	66.5





#67

Bromoform

Concen: 0.402 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

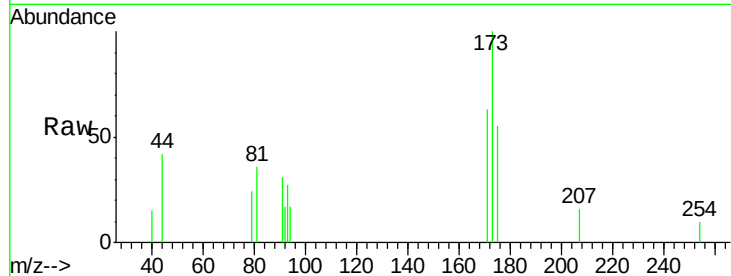
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	56.4	39.4	59.0
254	2.6	6.9	10.3

Manual Integrations
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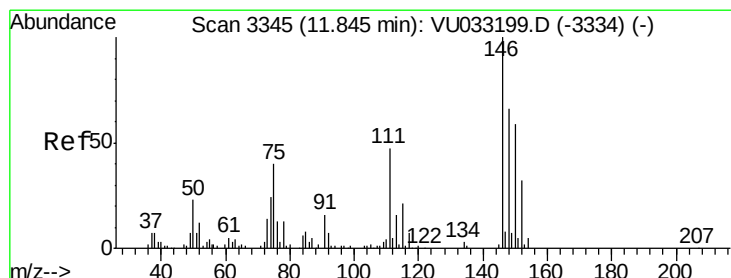
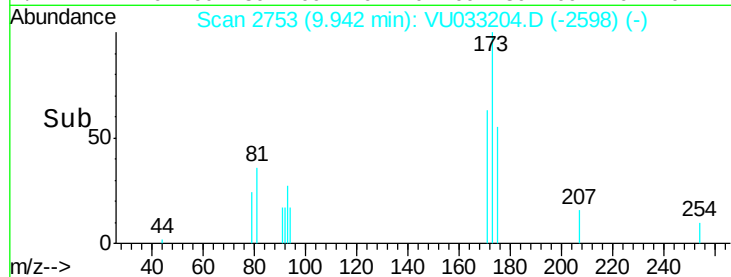
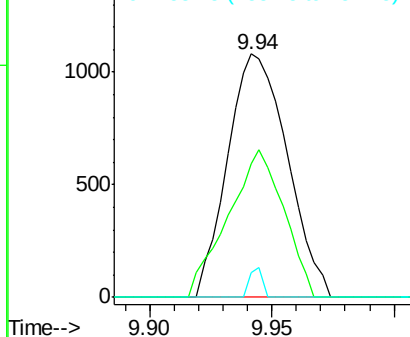


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.886 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

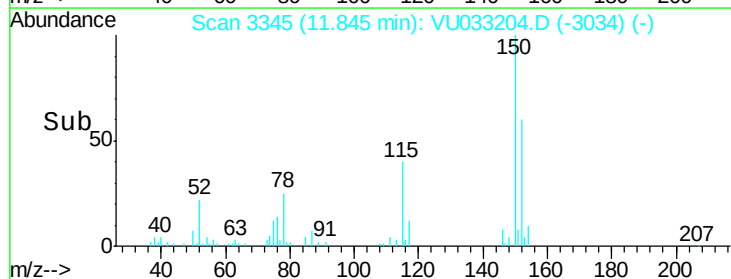
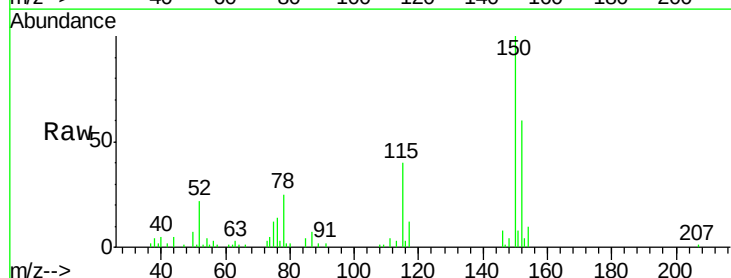
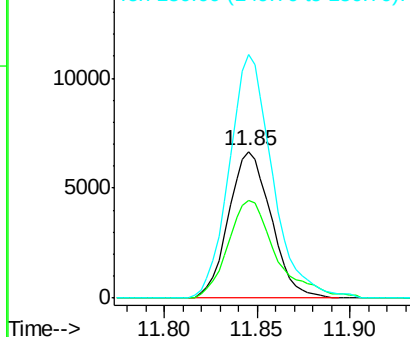
Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.4	0.0	131.0
150	169.5	0.0	634.4

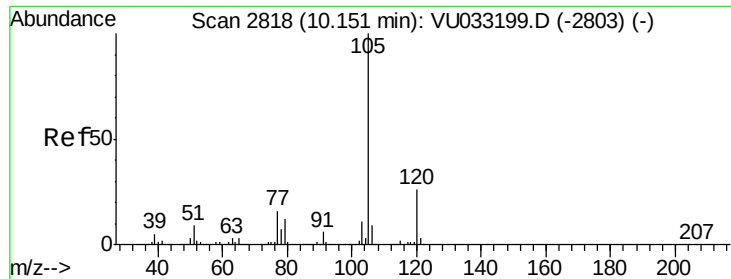
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.384 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 14176

Ion Ratio Lower Upper

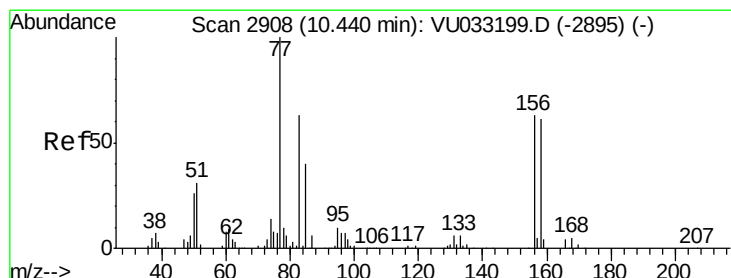
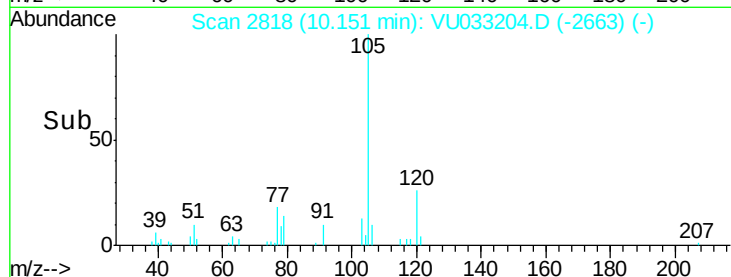
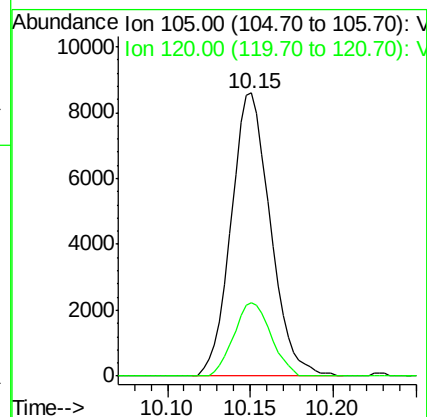
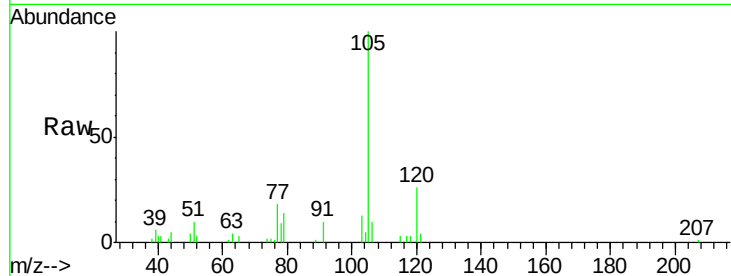
105 100

120 24.4 13.2 39.6

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 0.469 ug/l

RT: 10.45 min Scan# 2910

Delta R.T. 0.01 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

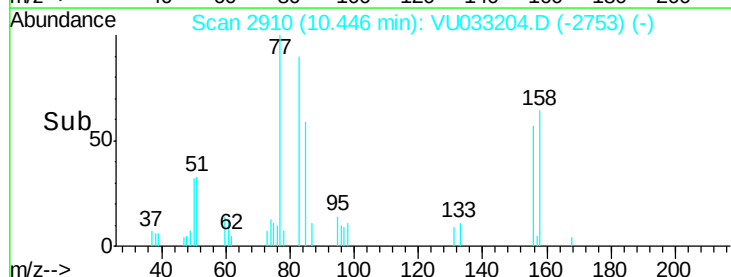
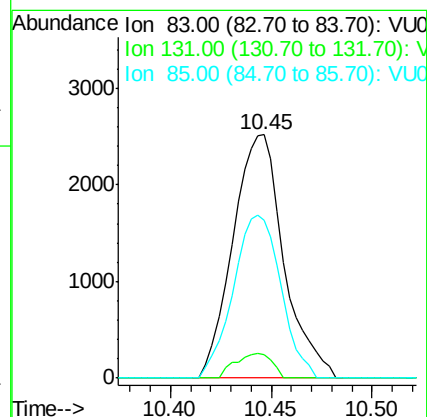
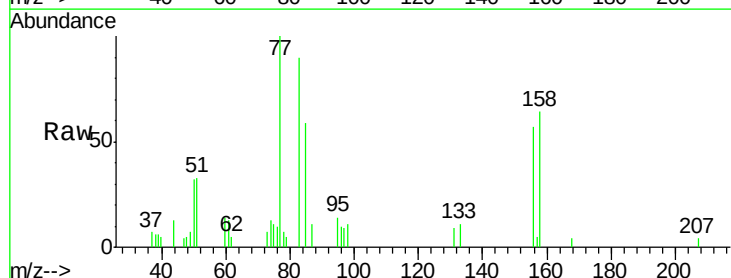
Tgt Ion: 83 Resp: 4431

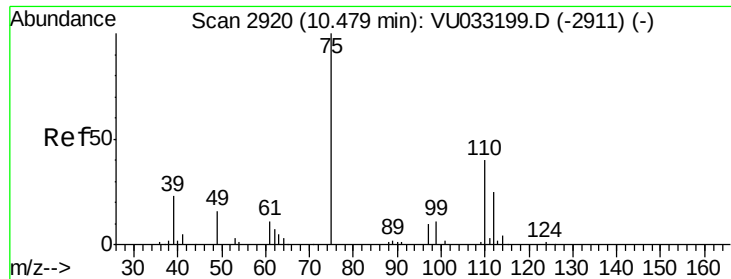
Ion Ratio Lower Upper

83 100

131 7.4 8.0 12.0#

85 62.9 50.6 76.0





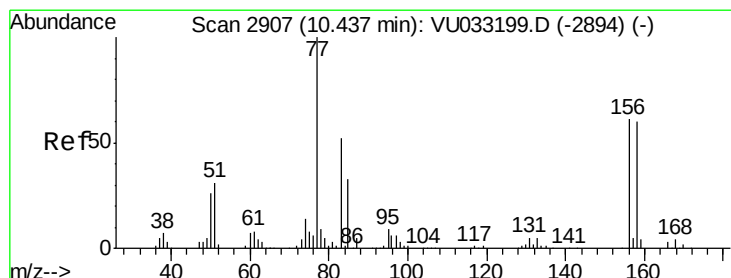
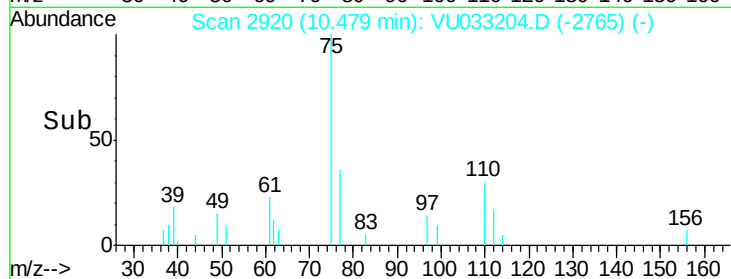
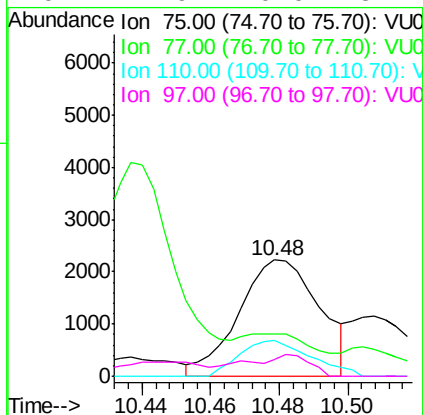
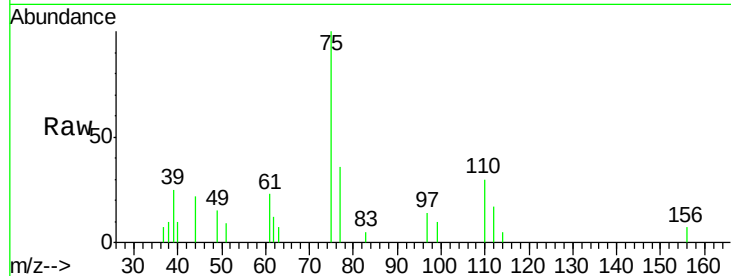
#71
1,2,3-Trichloropropane
Concen: 0.513 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion:	75	Resp:	3629
Ion	Ratio	Lower	Upper
75	100		
77	13.3	0.0	15.4
110	27.4	0.0	72.2
97	14.9	0.0	37.2

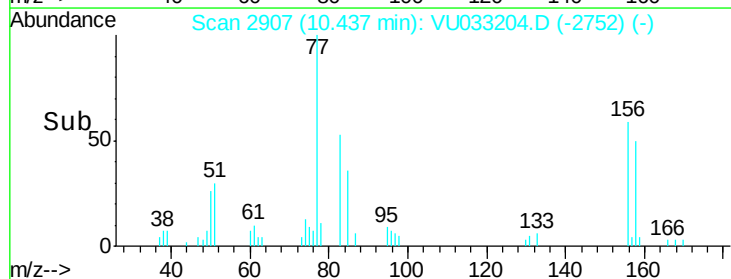
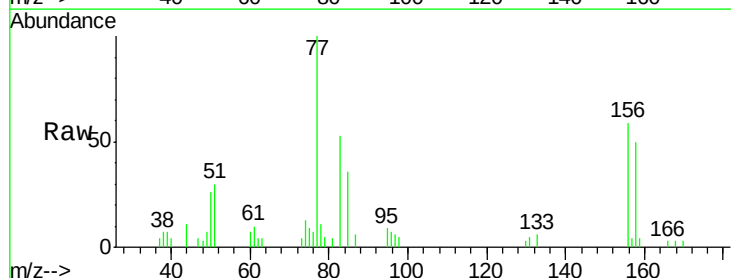
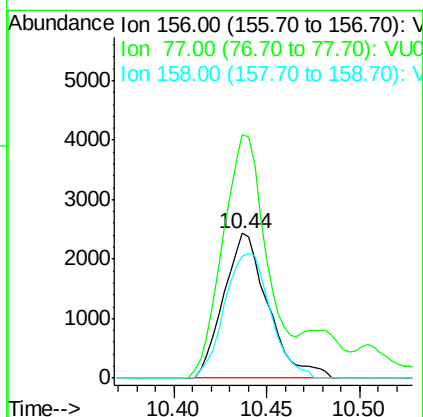
Manual Integrations
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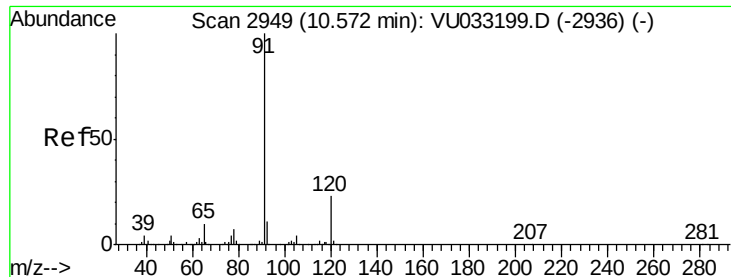
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#72
Bromobenzene
Concen: 0.422 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion:	156	Resp:	4046
Ion	Ratio	Lower	Upper
156	100		
77	166.6	0.0	326.0
158	88.7	0.0	193.2





#73

n-propylbenzene

Concen: 0.404 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:120 Resp: 4232

Ion Ratio Lower Upper

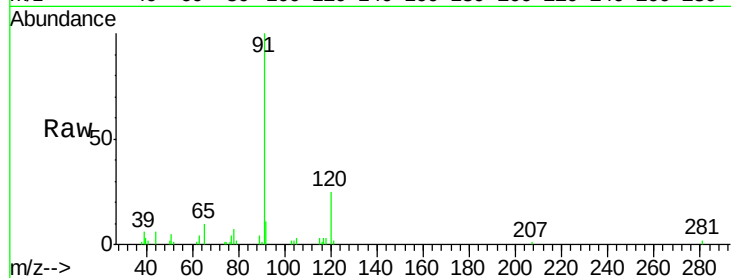
120 100

91 416.7 349.0 523.4

Manual Integrations
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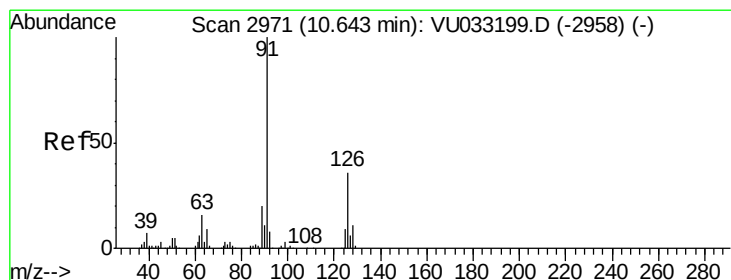
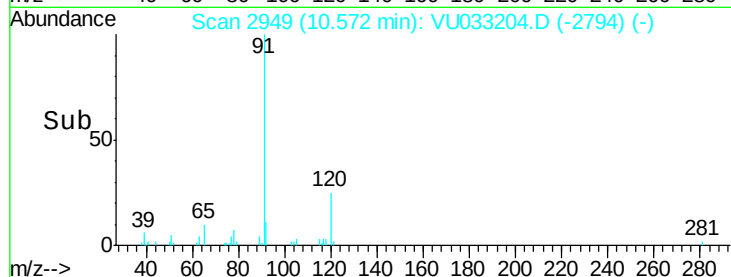
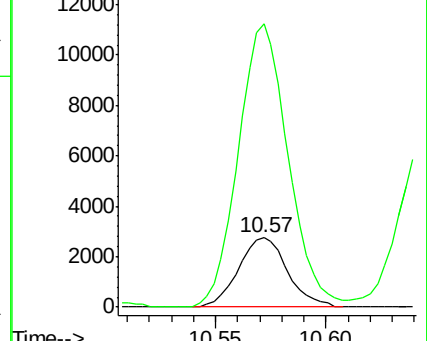
MMDadoda

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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: 0.435 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033204.D

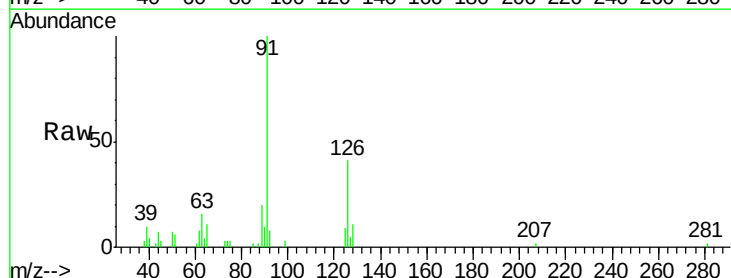
Acq: 11 Jul 2019 22:46

Tgt Ion:126 Resp: 4109

Ion Ratio Lower Upper

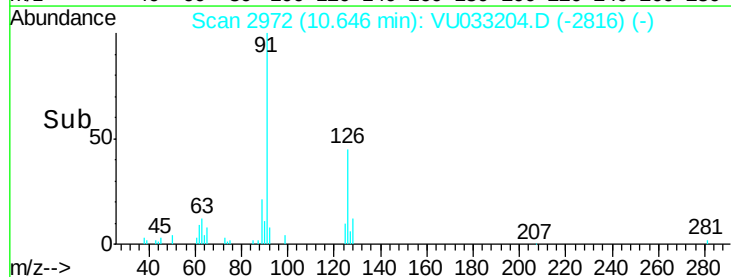
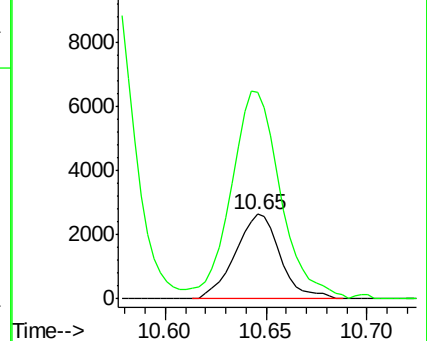
126 100

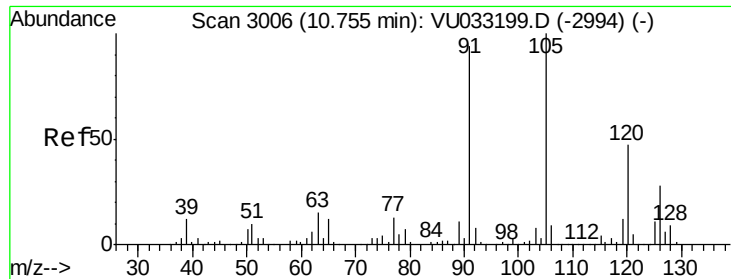
91 270.3 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.357 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 11434

Ion Ratio Lower Upper

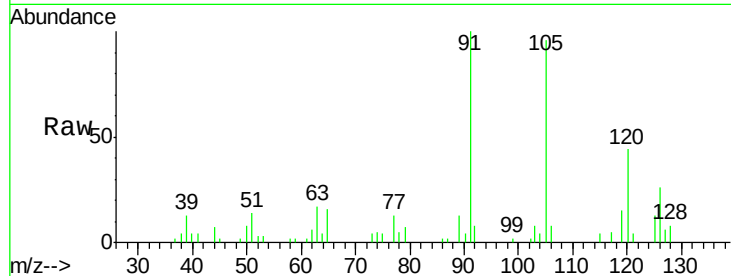
105 100

120 47.7 37.8 56.8

Manual Integrations
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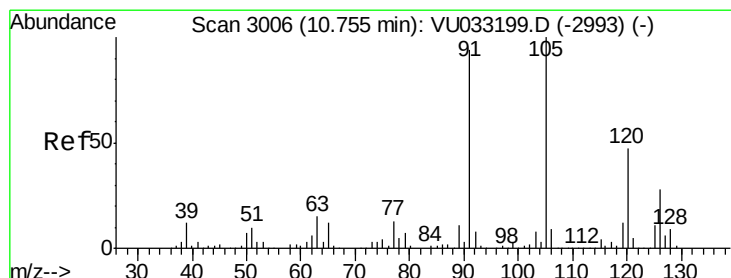
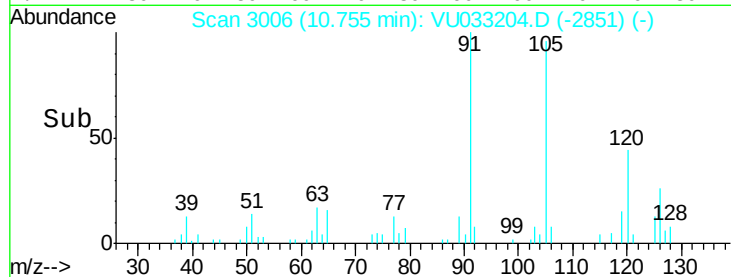
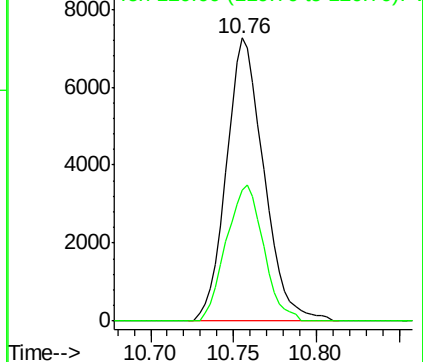
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.355 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033204.D

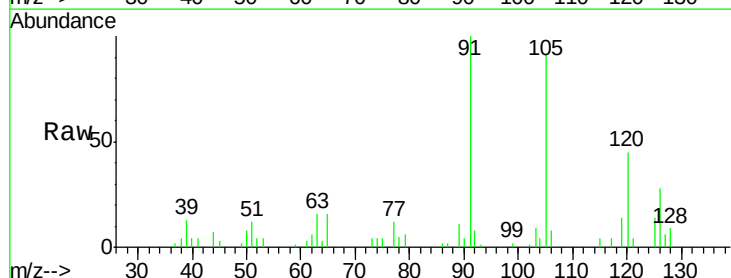
Acq: 11 Jul 2019 22:46

Tgt Ion:126 Resp: 3422

Ion Ratio Lower Upper

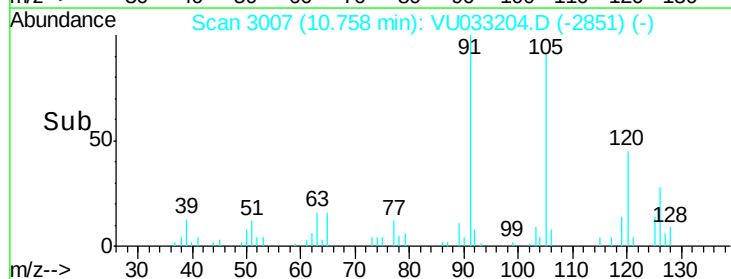
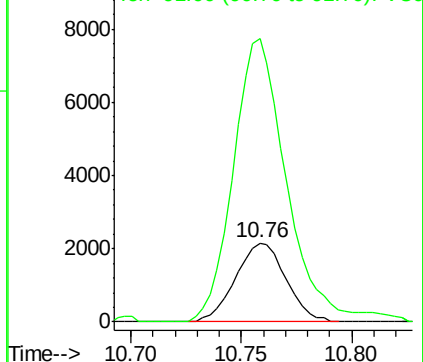
126 100

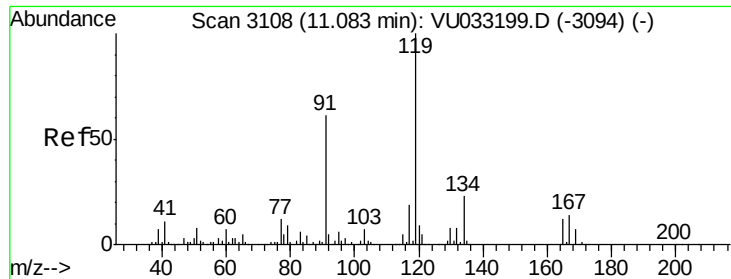
91 381.5 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





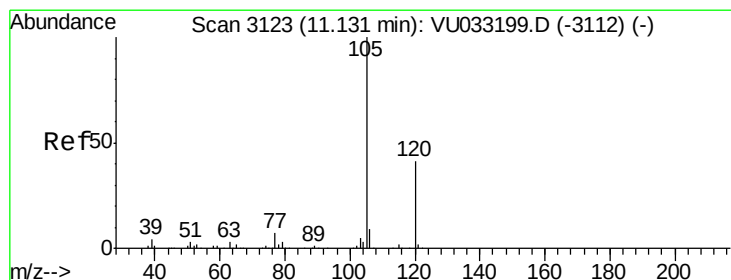
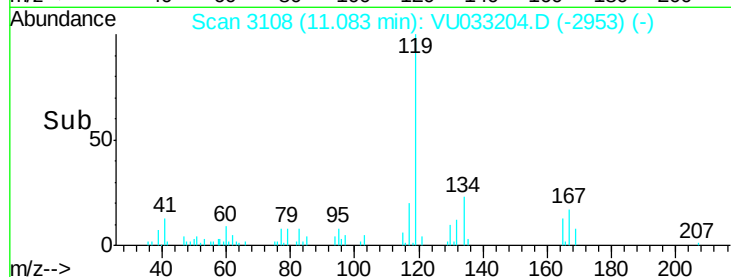
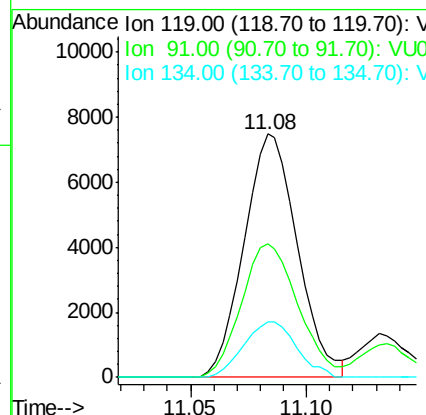
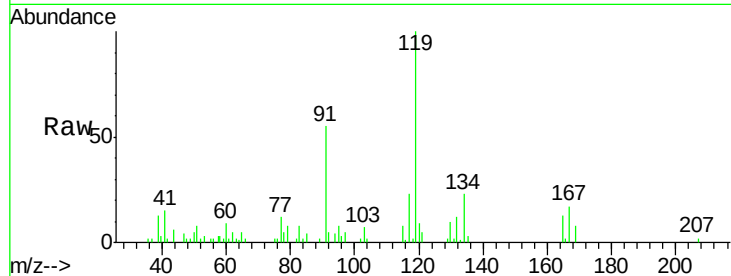
#77
 tert-Butylbenzene
 Concen: 0.388 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.8	89.5
134	22.5	18.2	27.4

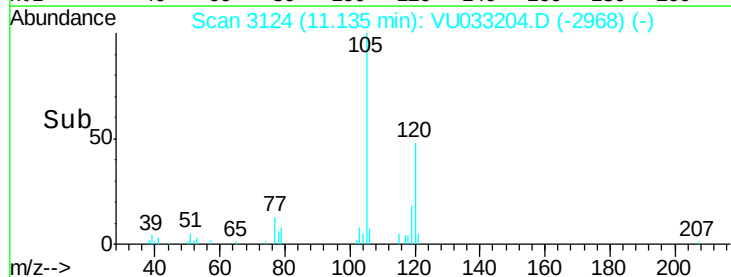
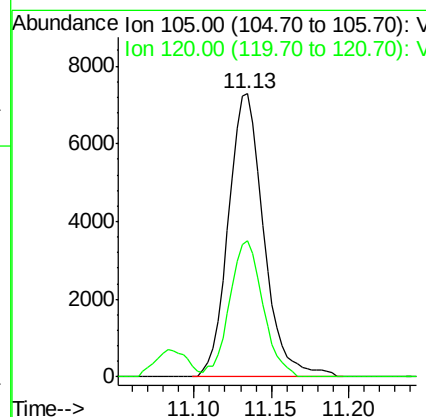
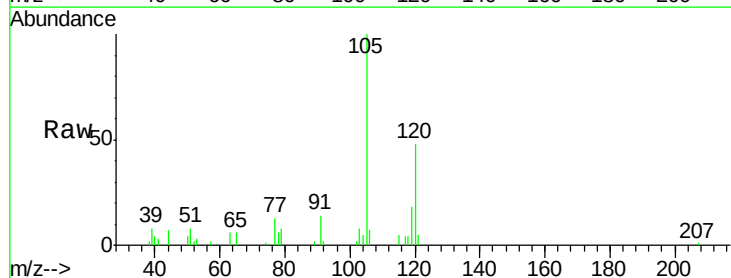
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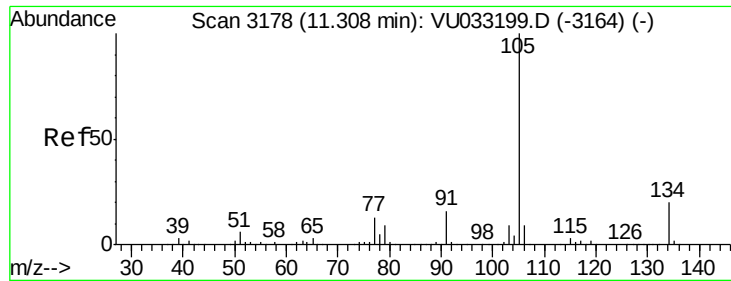
MMDadoda
 7/16/2019 4:02:27 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 0.353 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#79

sec-Butylbenzene

Concen: 0.365 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:105 Resp: 15420

Ion Ratio Lower Upper

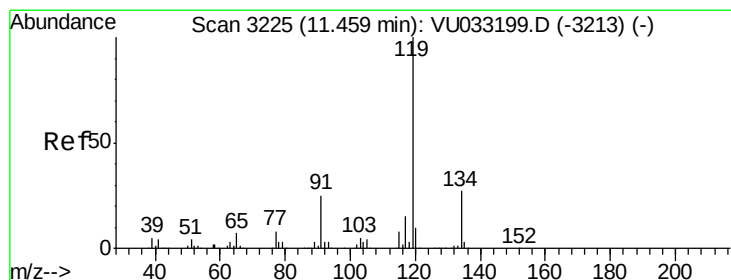
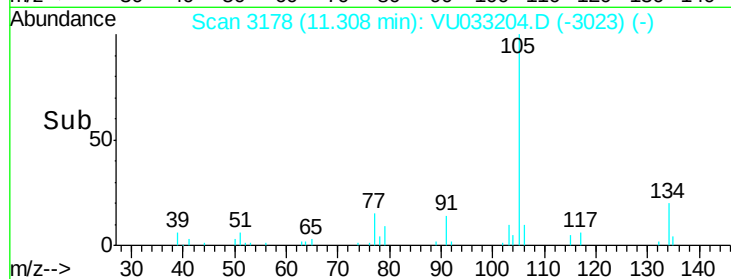
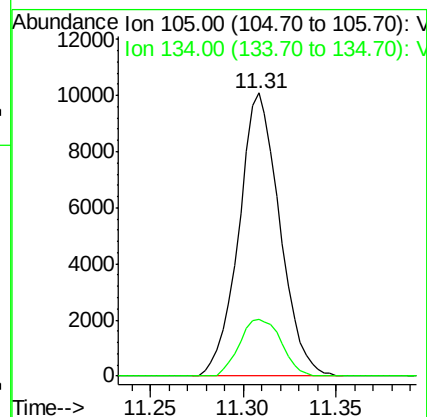
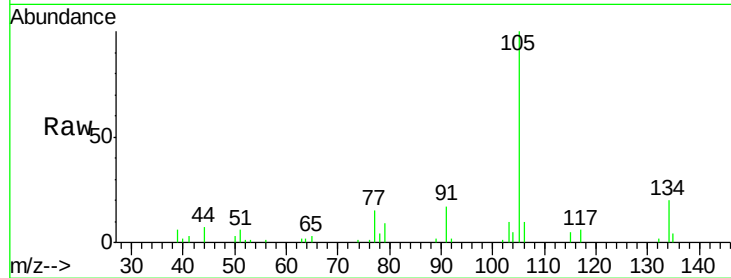
105 100

134 20.6 15.8 23.8

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#81

p-Isopropyltoluene

Concen: 0.338 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

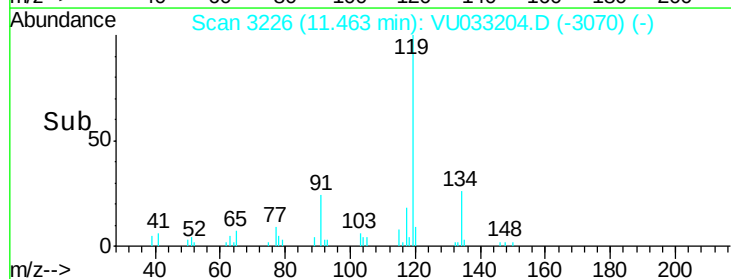
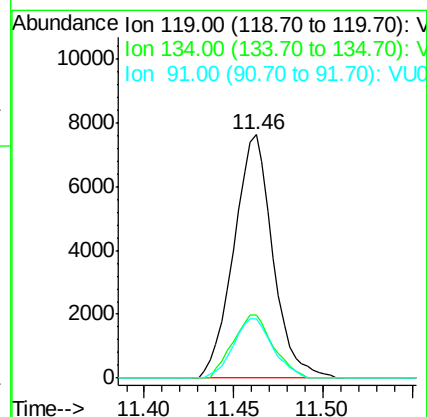
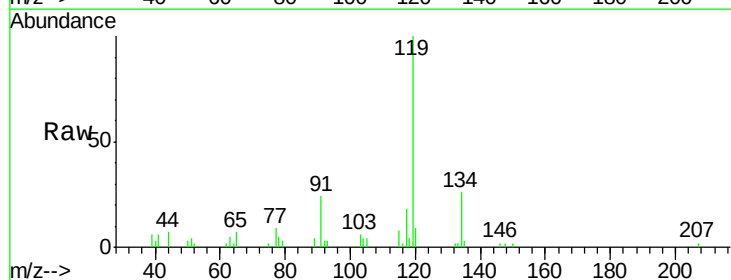
Tgt Ion:119 Resp: 11634

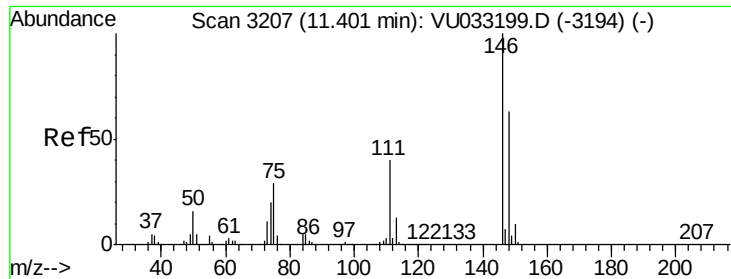
Ion Ratio Lower Upper

119 100

134 26.5 21.1 31.7

91 24.5 19.7 29.5





#82

1,3-Dichlorobenzene

Concen: 0.436 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

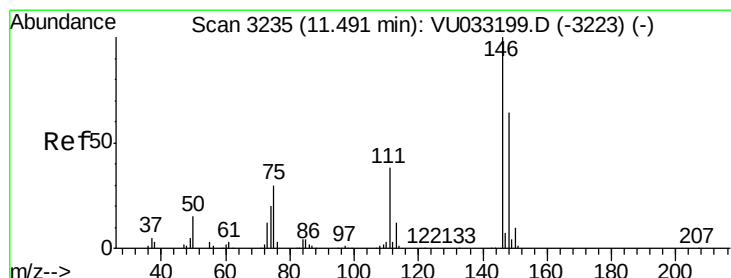
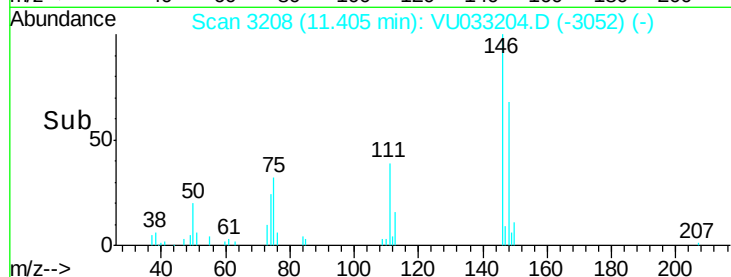
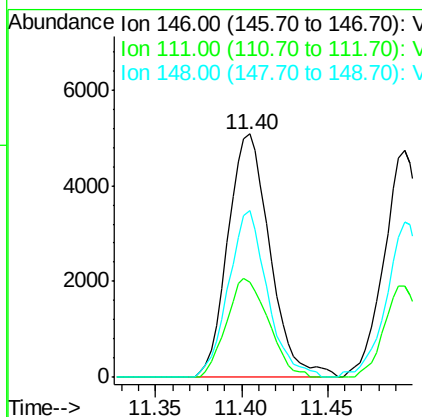
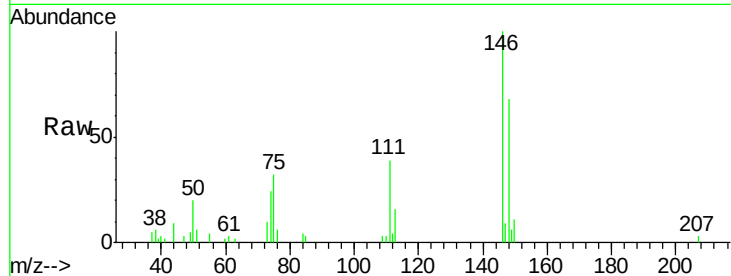
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	146	Resp:	8627
Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.2	48.4
148	63.5	50.8	76.2

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#83

1,4-Dichlorobenzene

Concen: 0.399 ug/l

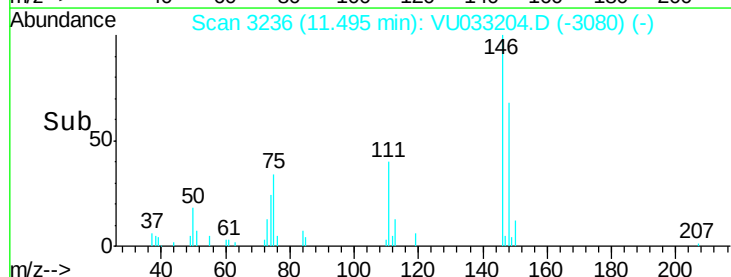
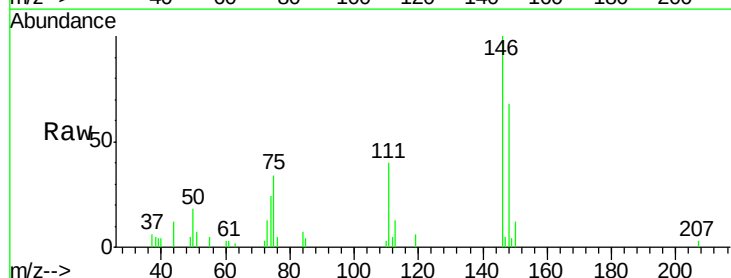
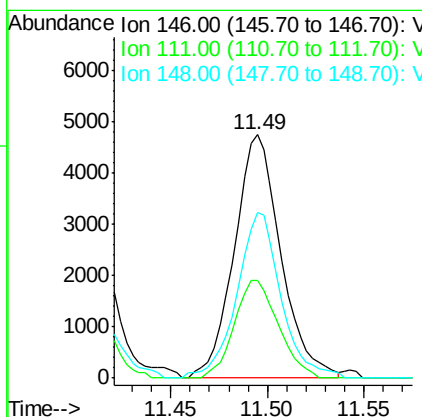
RT: 11.49 min Scan# 3236

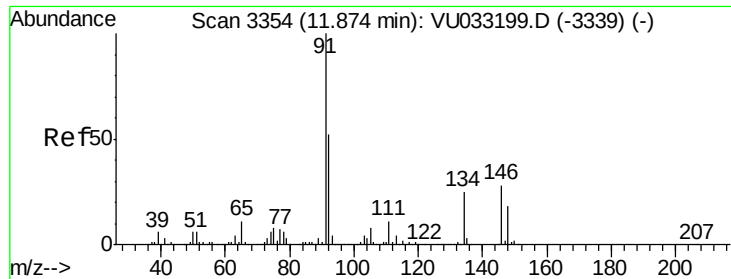
Delta R.T. 0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	146	Resp:	7951
Ion	Ratio	Lower	Upper
146	100		
111	37.9	30.8	46.2
148	64.5	50.6	76.0





#84

n-Butylbenzene

Concen: 0.347 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Instrument :

MSVOA_U

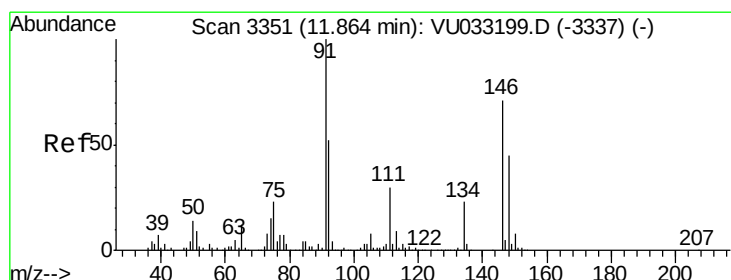
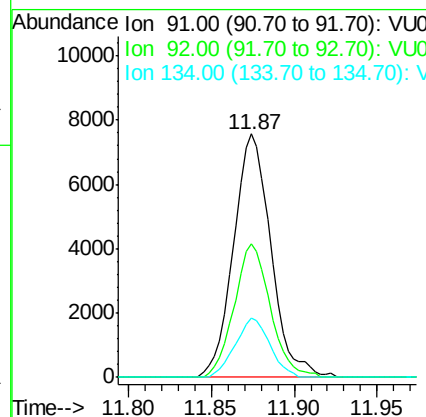
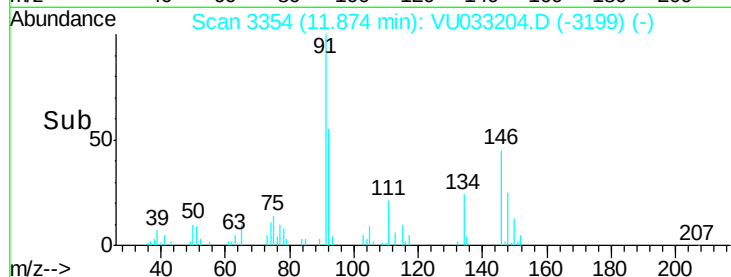
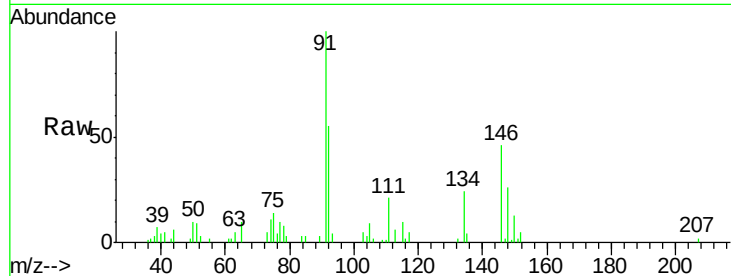
ClientSampleId :

LOQ-WATER-02-QT3-2019

Tot Ion:	91	Resp:	11905
Ion	Ratio	Lower	Upper
91	100		
92	52.8	41.5	62.3
134	22.5	19.6	29.4

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#85

1,2-Dichlorobenzene

Concen: 0.439 ug/l

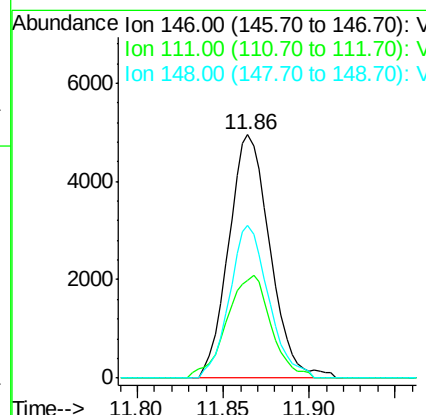
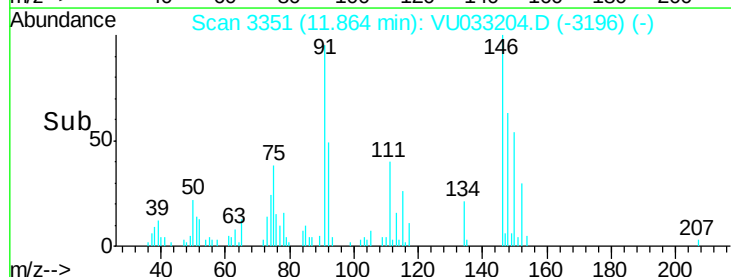
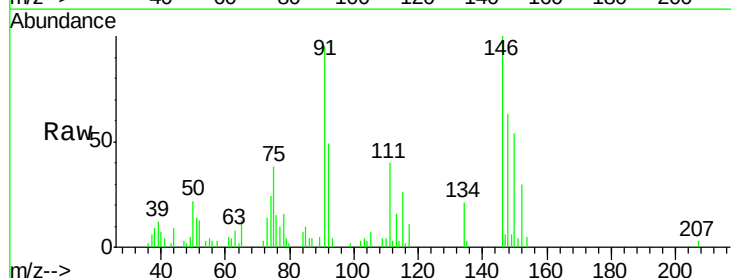
RT: 11.86 min Scan# 3351

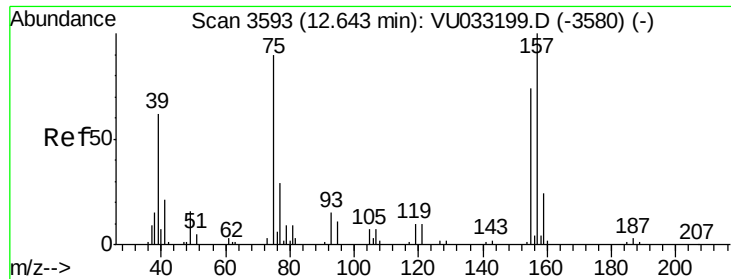
Delta R.T. -0.00 min

Lab File: VU033204.D

Acq: 11 Jul 2019 22:46

Tgt Ion:	146	Resp:	8306
Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.3	63.7
148	59.3	32.0	96.0





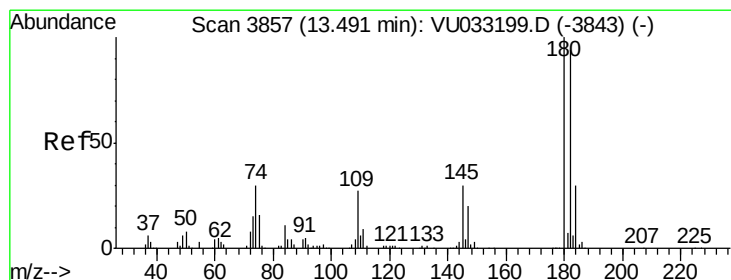
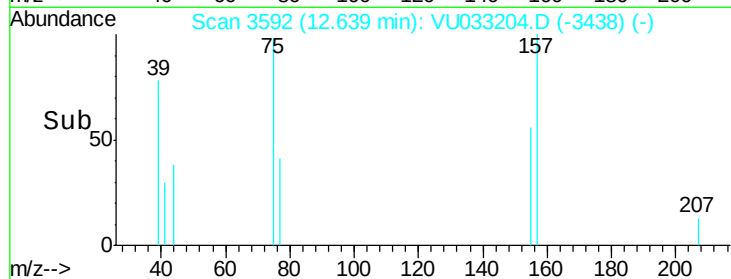
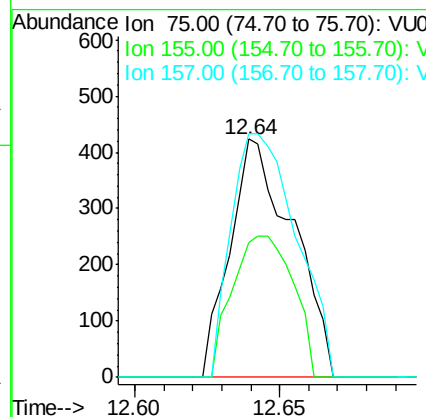
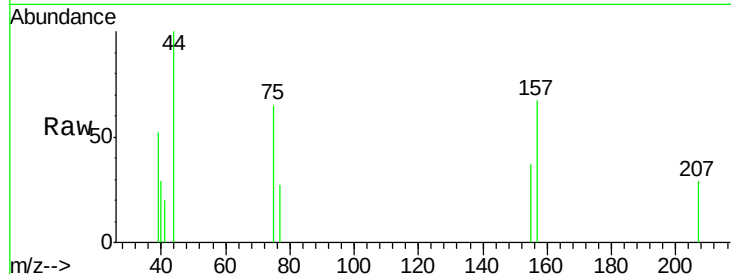
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.427 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
155	57.1	60.6	90.8#
157	105.9	82.5	123.7

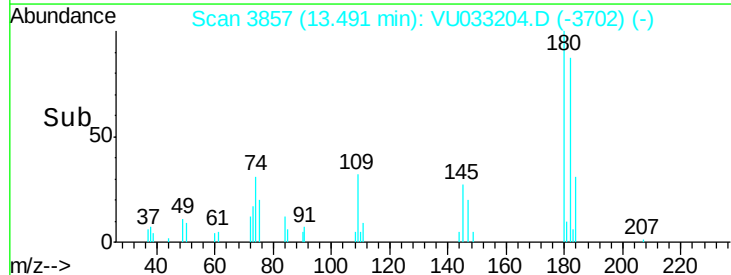
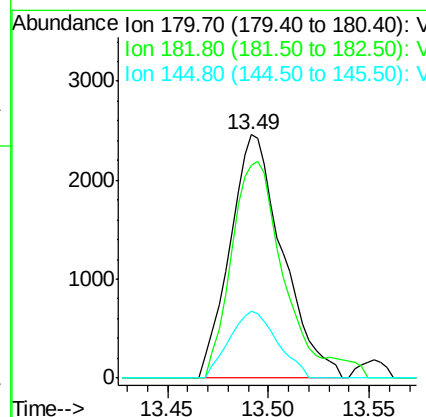
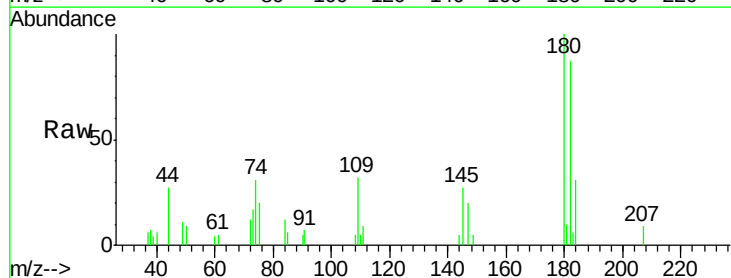
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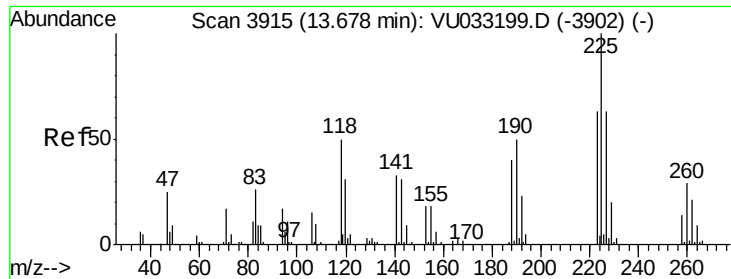
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.384 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.7	75.4	113.2
145	25.0	24.5	36.7





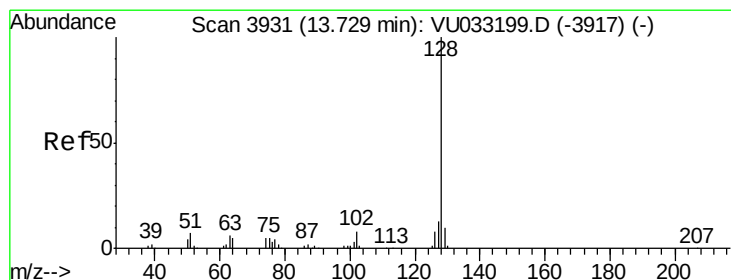
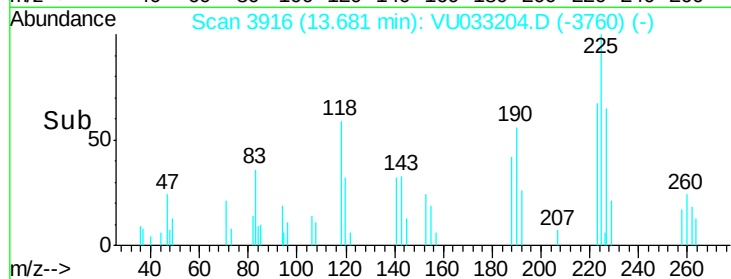
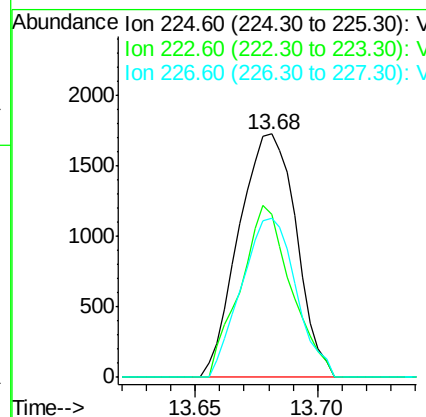
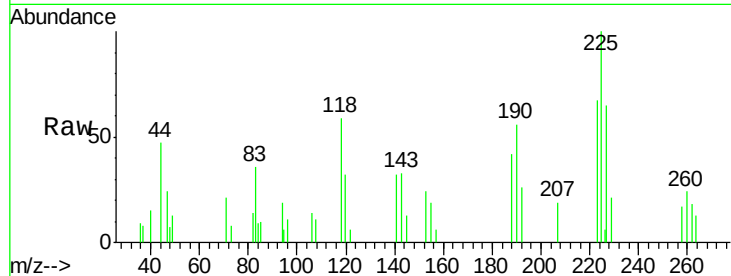
#88
Hexachlorobutadiene
Concen: 0.419 ug/l
RT: 13.68 min Scan# 3916
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.1	76.7
227	62.2	51.2	76.8

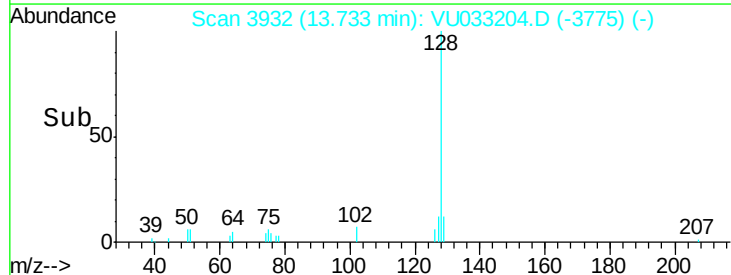
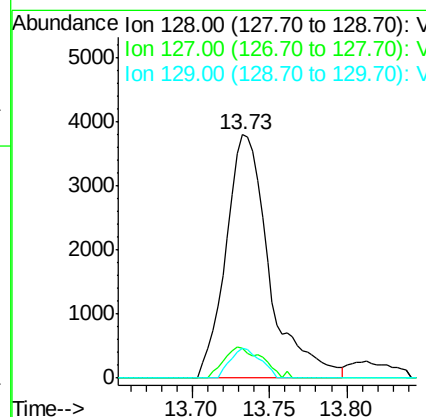
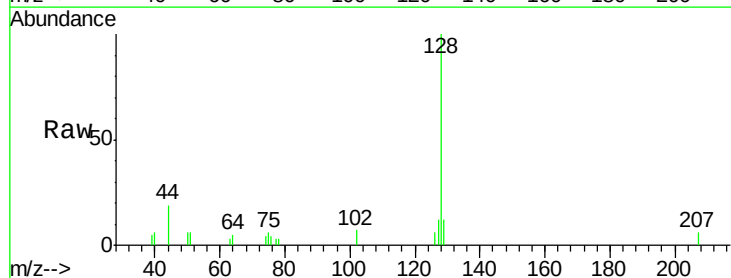
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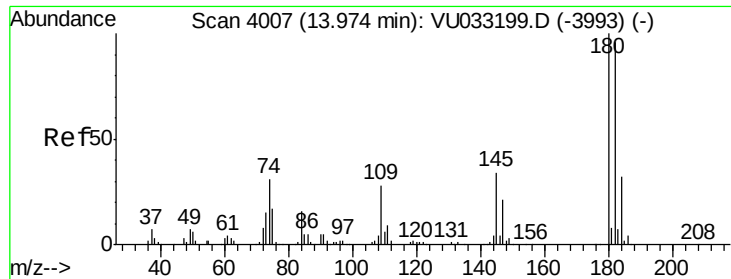
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#89
Naphthalene
Concen: 0.347 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033204.D
Acq: 11 Jul 2019 22:46

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.4	15.6
129	8.5	8.6	12.8#





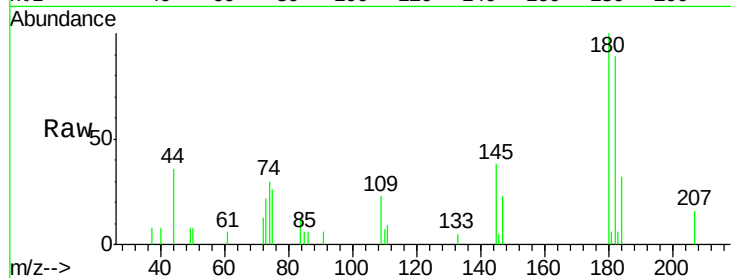
#90
 1,2,3-Trichlorobenzene
 Concen: 0.366 ug/l
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033204.D
 Acq: 11 Jul 2019 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	32.5	26.6	40.0

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

