

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029676.D
 Acq On : 26 Feb 2019 12:35
 Operator : JC/SP
 Sample : K1560-08 L00 1.00ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:32:04 AM

Quant Time: Feb 27 00:50:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	58018	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21512	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24879	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	19813	0.915	ug/l	100
3) Chloromethane	1.33	50	16442	0.831	ug/l	100
4) Vinyl Chloride	1.40	62	20637	0.890	ug/l	96
5) Bromomethane	1.63	94	12084	0.937	ug/l	92
6) Chloroethane	1.70	64	12615	0.931	ug/l	93
7) Trichlorofluoromethane	1.88	101	28858	0.891	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17759	1.038	ug/l	89
9) 1,1-Dichloroethene	2.28	96	16481	0.985	ug/l	67
10) Iodomethane	2.41	142	6610	0.556	ug/l #	71
11) Allyl Chloride	2.59	41	22659	0.807	ug/l	83
12) Acrylonitrile	2.93	53	7496	1.998	ug/l	96
13) Acetone	2.32	43	15537	4.298	ug/l #	67
14) Carbon Disulfide	2.47	76	52889	0.895	ug/l	98
15) Methylene Chloride	2.70	84	21370	1.053	ug/l #	71
16) trans-1,2-Dichloroethene	2.98	96	18539	0.991	ug/l #	72
17) 1,1-Dichloroethane	3.44	63	28854	0.973	ug/l	95
18) 2-Butanone	4.28	43	20436	5.058	ug/l	99
19) Cyclohexane	4.99	56	20956	0.762	ug/l	86
20) Methylcyclohexane	6.41	83	28253	0.978	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	23923	0.871	ug/l #	86
22) cis-1,2-Dichloroethene	4.22	96	18020	1.022	ug/l	77
23) Diethyl Ether	2.10	59	12013	0.894	ug/l	88
24) tert-Butyl Alcohol	2.83	59	13042	9.338	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	42347	0.899	ug/l #	78
26) Bromochloromethane	4.54	128	8038	1.032	ug/l	71
27) Chloroform	4.67	83	28988	1.005	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	24807	0.928	ug/l	94
29) 1,1-Dichloropropene	5.13	75	21707	0.935	ug/l	91
30) Carbon Tetrachloride	5.13	117	21159	0.874	ug/l	97
31) Isopropyl Ether	3.58	45	41215	0.921	ug/l	89
32) Ethyl-t-butyl ether	4.07	59	40616	0.906	ug/l #	87
33) Tert-Amyl methyl ether	5.58	73	38150	0.941	ug/l	98
35) Benzene	5.39	78	65164	1.015	ug/l	100
36) 1,2-Dichloroethane	5.41	62	17828	0.918	ug/l #	84
37) Trichloroethene	6.18	130	19600	1.064	ug/l	85
38) 1,2-Dichloropropane	6.43	63	16058	0.962	ug/l #	87
41) Tetrahydrofuran	4.65	42	5356	1.955	ug/l	92
42) 1-Chlorobutane	5.06	56	28800	0.926	ug/l	86
43) Dibromomethane	6.56	93	8890	0.999	ug/l	92
44) Bromodichloromethane	6.76	83	20120	0.887	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	43582	4.179	ug/l #	90

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Quant Time: Feb 27 00:50:48 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) t-1,4-Dichloro-2-butene	10.51	75	5478m	1.078	ug/l	
47) Methyl methacrylate	6.63	69	13621	1.740	ug/l #	74
48) Ethyl methacrylate	8.02	69	13467	0.802	ug/l	80
49) Toluene	7.64	92	40175	0.978	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	17484	0.787	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	22234	0.842	ug/l #	85
52) 1,1,2-Trichloroethane	8.07	97	12660	1.075	ug/l	94
53) 1,3-Dichloropropane	8.24	76	20840	1.007	ug/l	98
54) 2-Hexanone	8.37	43	30092	4.116	ug/l	88
55) Dibromochloromethane	8.47	129	13595	0.812	ug/l	97
56) 1,2-Dibromoethane	8.58	107	11922	0.987	ug/l	96
58) Tetrachloroethene	8.22	164	19738	1.152	ug/l	92
59) Chlorobenzene	9.12	112	46587	1.007	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	16455	0.963	ug/l	97
61) Pentachloroethane	11.10	117	11239	0.848	ug/l	93
62) Hexachloroethane	12.14	117	10204	0.706	ug/l	93
63) Ethyl Benzene	9.25	91	74884	0.932	ug/l	92
64) m/p-Xylenes	9.37	106	60486	1.937	ug/l	83
65) o-Xylene	9.78	106	29168	0.952	ug/l	86
66) Styrene	9.79	104	45985	0.900	ug/l #	91
67) Bromoform	9.96	173	8371	0.804	ug/l	95
69) Isopropylbenzene	10.16	105	75484	0.922	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	14713	0.975	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	11509m	1.110	ug/l	
72) Bromobenzene	10.45	156	20386	1.027	ug/l	81
73) n-propylbenzene	10.58	120	20290	0.890	ug/l	91
74) 2-Chlorotoluene	10.66	126	19074	0.982	ug/l	80
75) 1,3,5-Trimethylbenzene	10.77	105	62509	0.885	ug/l	96
76) 4-Chlorotoluene	10.77	126	19641	0.974	ug/l	71
77) tert-Butylbenzene	11.10	119	63894	0.916	ug/l	92
78) 1,2,4-Trimethylbenzene	11.14	105	64178	0.898	ug/l	94
79) sec-Butylbenzene	11.32	105	86581	0.948	ug/l	96
81) p-Isopropyltoluene	11.47	119	70432	0.910	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	39287	1.009	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	37124	0.957	ug/l	97
84) n-Butylbenzene	11.89	91	59907	0.843	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	37931	1.030	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1972	0.700	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.50	180	23569	0.911	ug/l	98
88) Hexachlorobutadiene	13.69	225	15483	1.034	ug/l	99
89) Naphthalene	13.75	128	37016	0.844	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	22639	0.958	ug/l	98

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

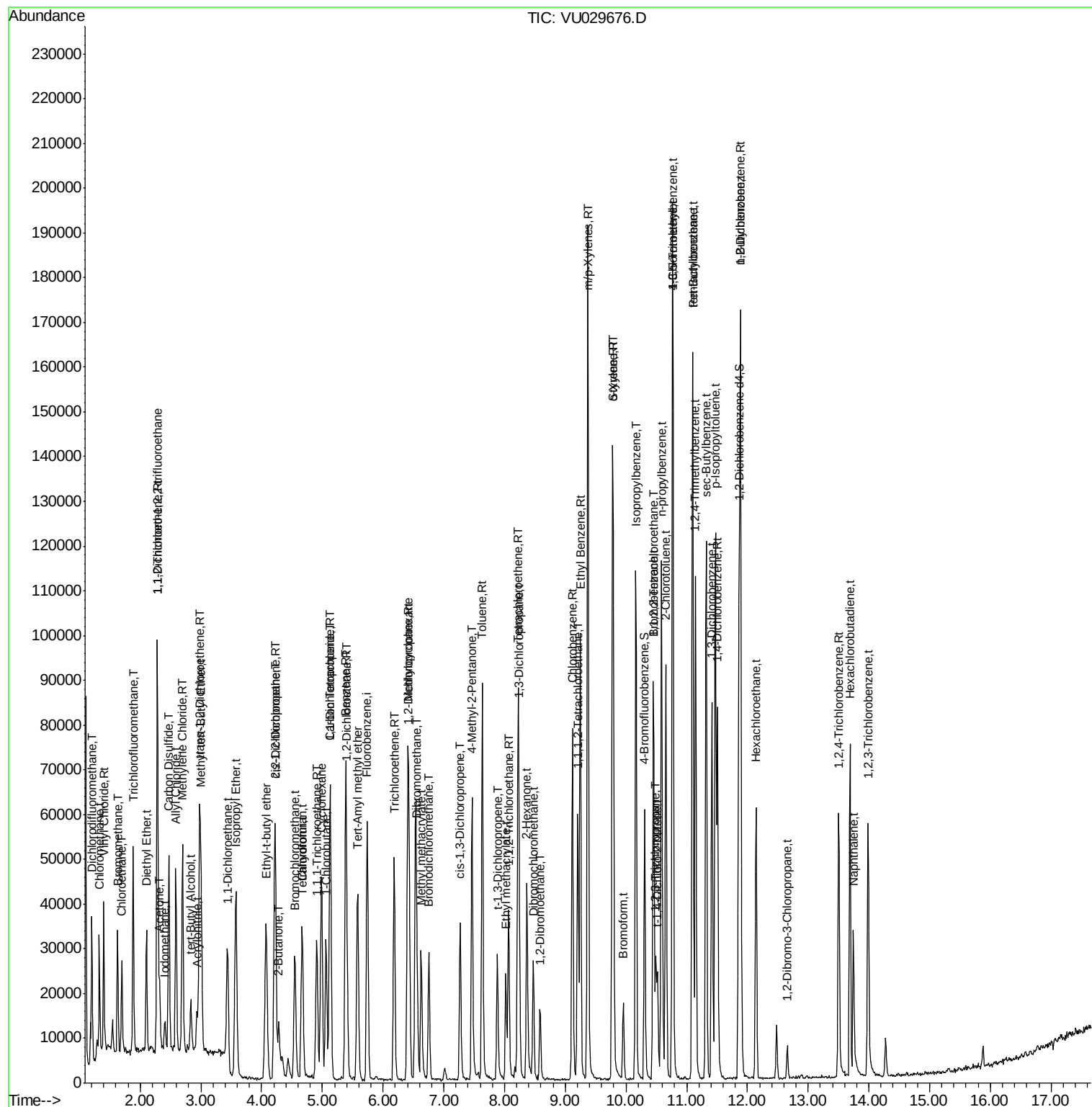
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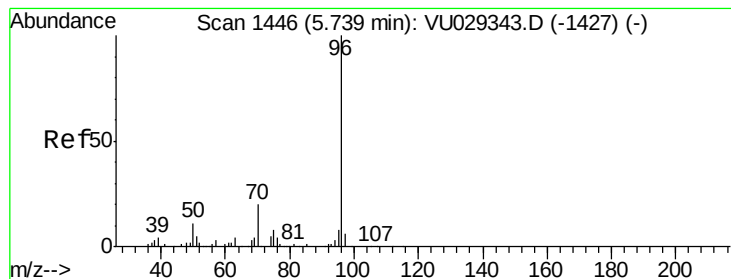
Instrument :
 MSVOA_U
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

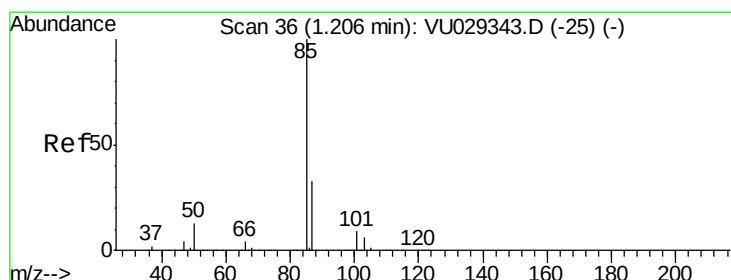
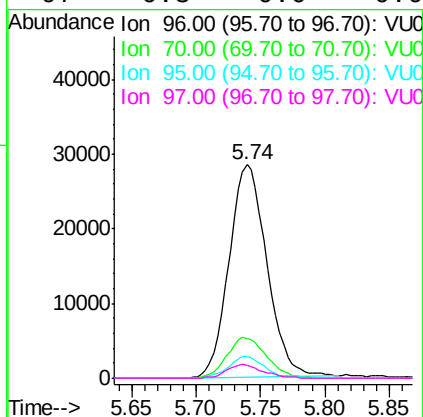
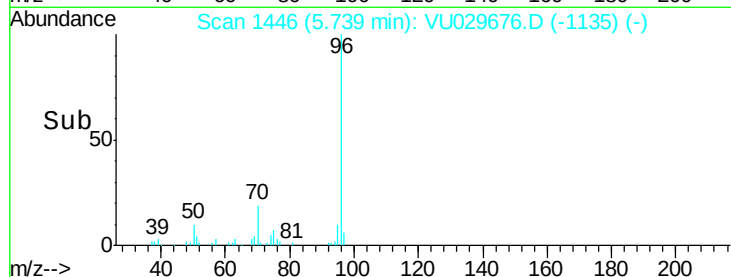
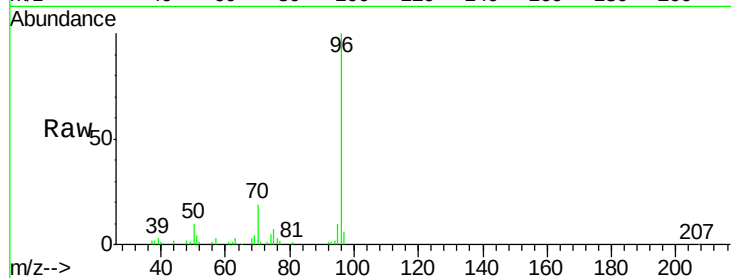
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	96	Resp:	58018
Ion Ratio	Lower	Upper	
96	100		
70	20.1	16.2	24.2
95	9.7	7.4	11.2
97	6.3	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.915 ug/l

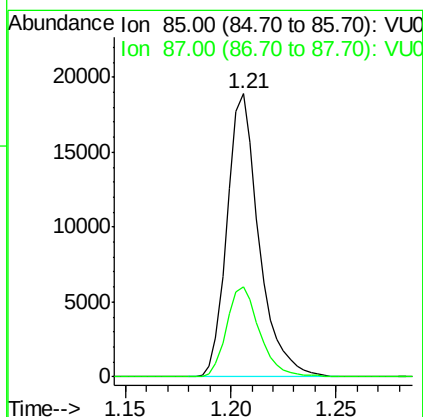
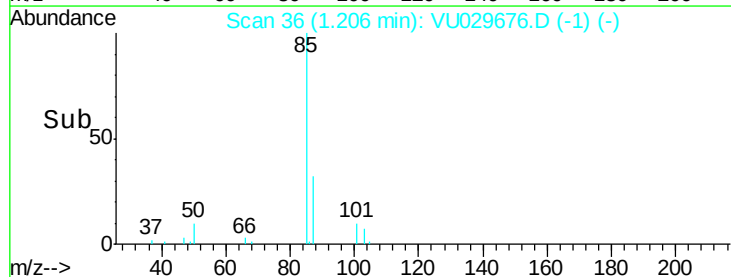
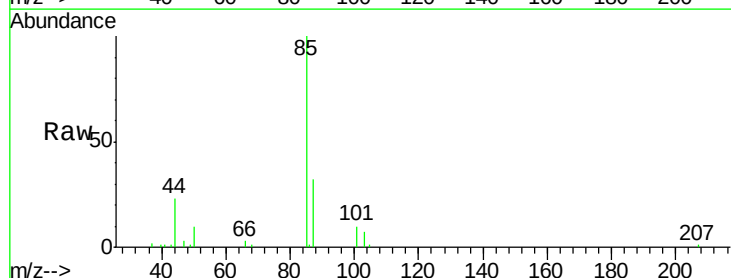
RT: 1.21 min Scan# 36

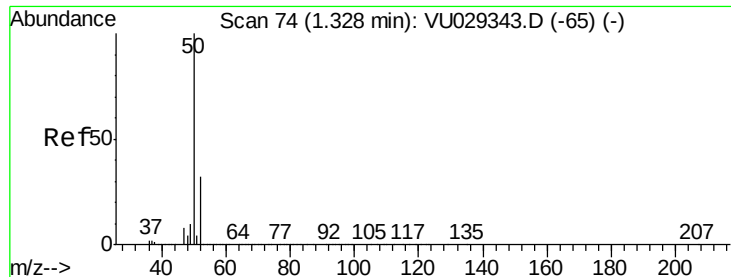
Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	85	Resp:	19813
Ion Ratio	Lower	Upper	
85	100		
87	31.8	15.9	47.6





#3

Chloromethane

Concen: 0.831 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 50 Resp: 16442

Ion Ratio Lower Upper

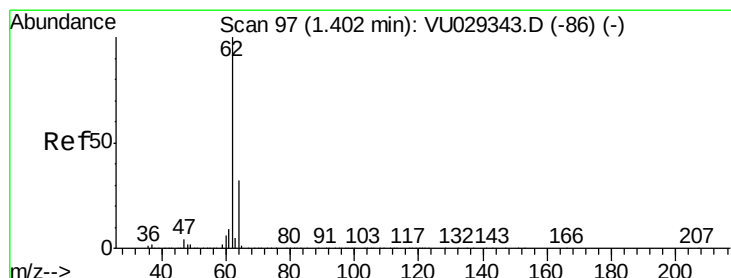
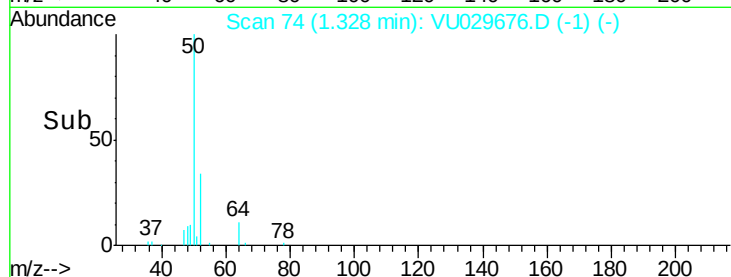
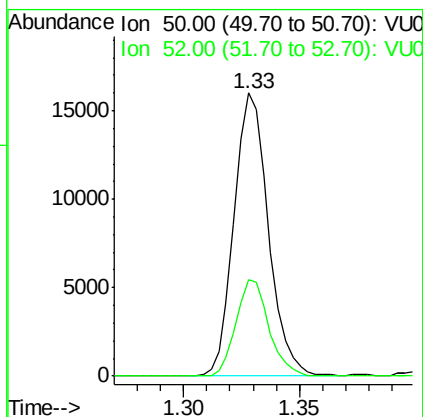
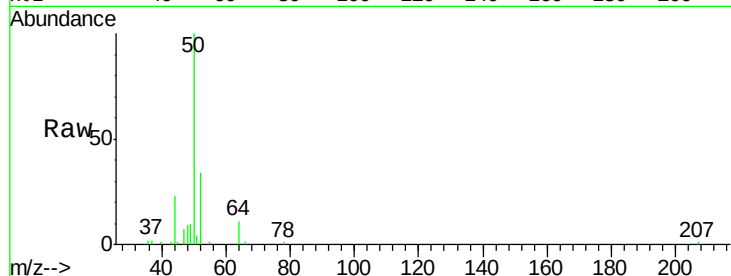
50 100

52 34.0 27.3 40.9

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#4

Vinyl Chloride

Concen: 0.890 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029676.D

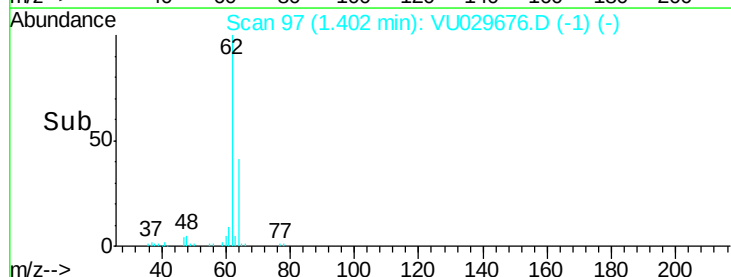
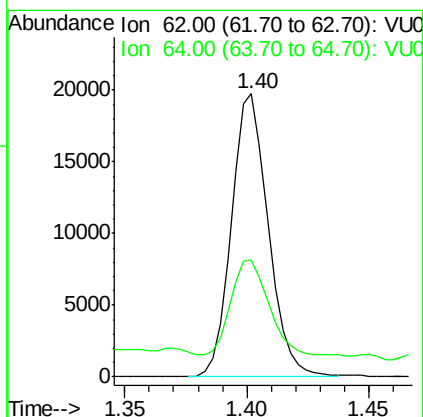
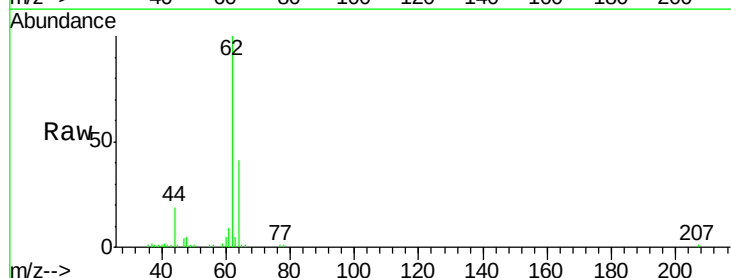
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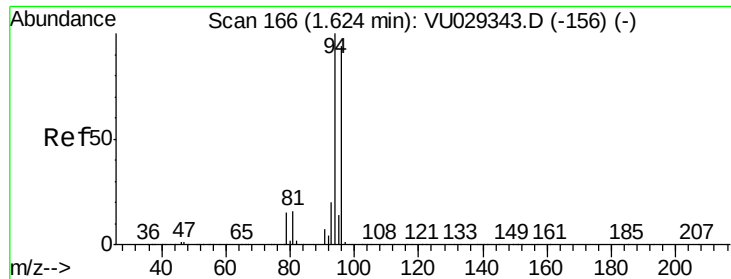
Tgt Ion: 62 Resp: 20637

Ion Ratio Lower Upper

62 100

64 33.5 25.2 37.8





#5

Bromomethane

Concen: 0.937 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 12084

Ion Ratio Lower Upper

94 100

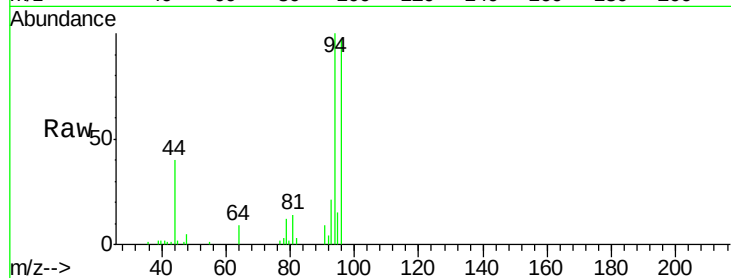
96 97.2 71.7 107.5

Manual Integrations

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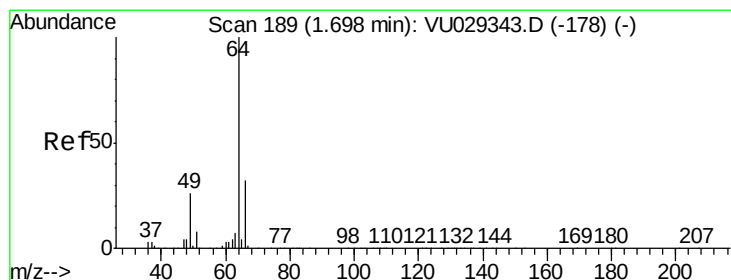
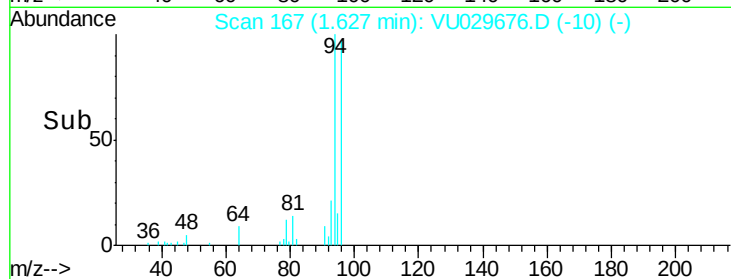
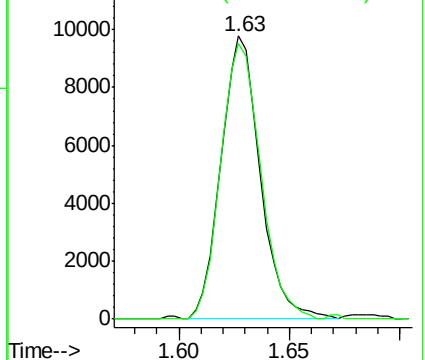
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.931 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029676.D

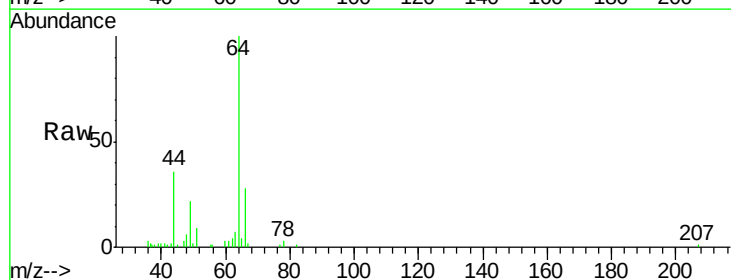
Acq: 26 Feb 2019 12:35

Tgt Ion: 64 Resp: 12615

Ion Ratio Lower Upper

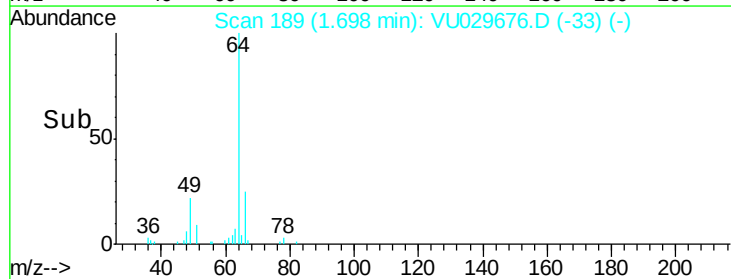
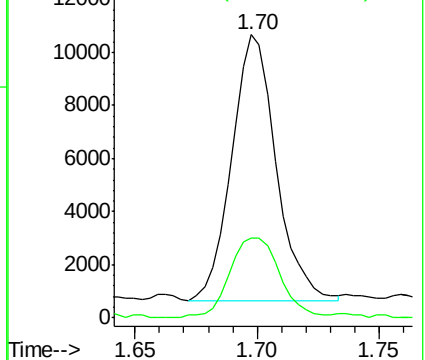
64 100

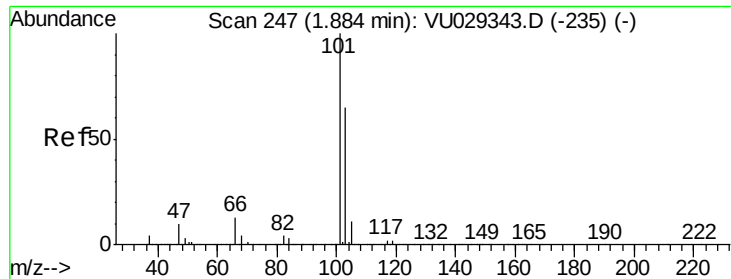
66 29.1 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

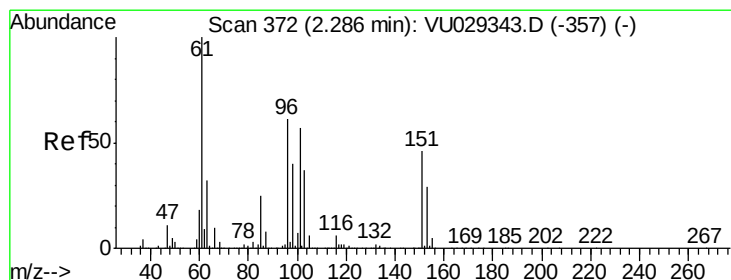
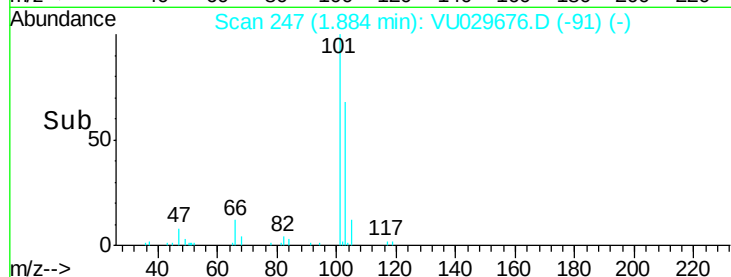
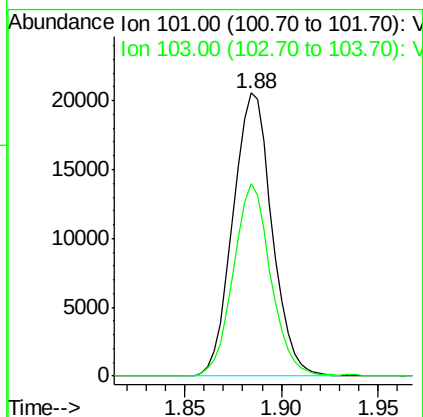
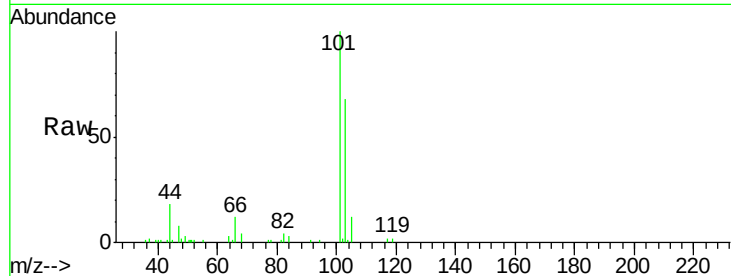
Trichlorofluoromethane
Concen: 0.891 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	28858		
103	67.9	53.9	80.9	

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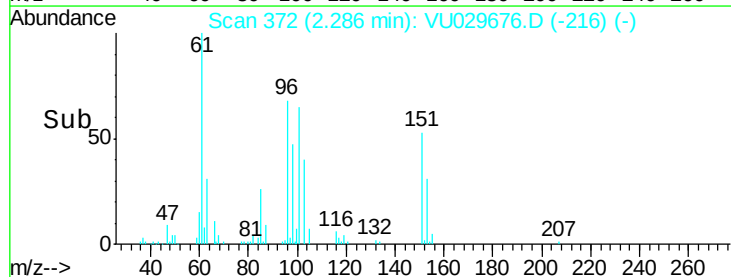
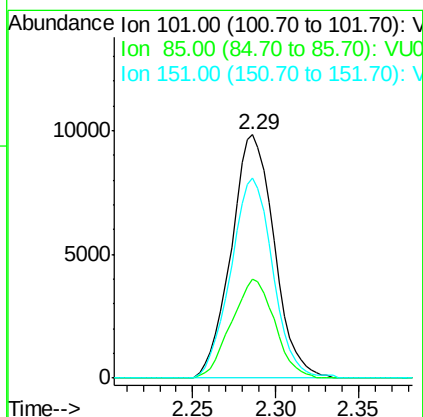
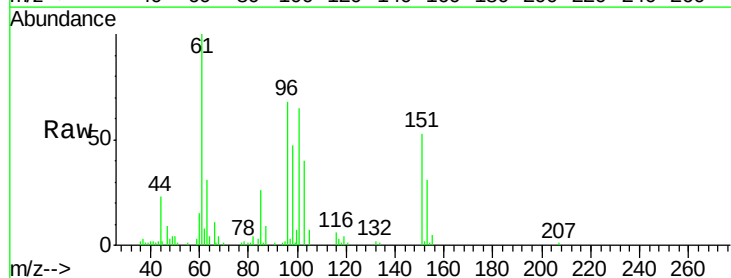
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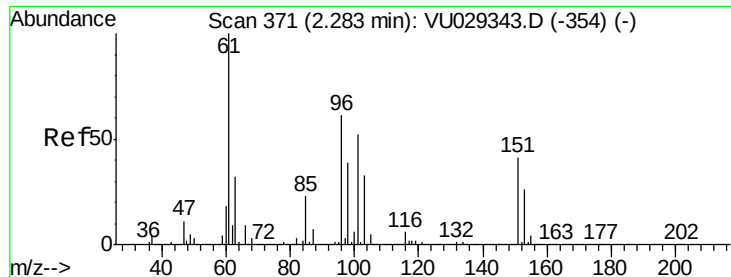


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.038 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	17759		
85	40.8	40.3	60.5	
151	80.0	58.1	87.1	





#9

1,1-Dichloroethene

Concen: 0.985 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

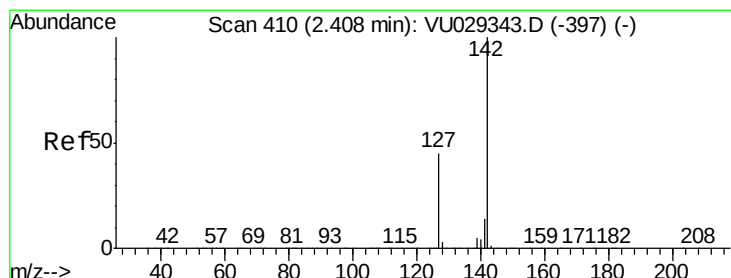
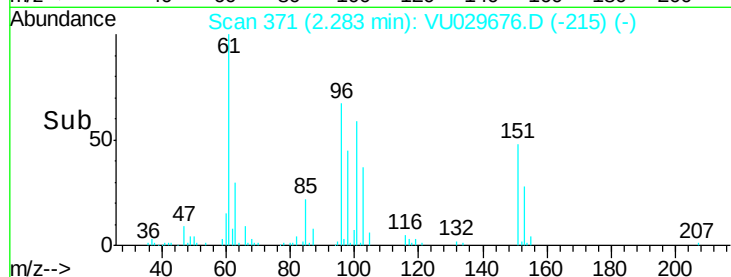
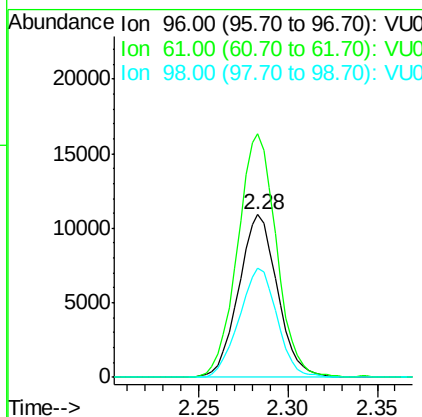
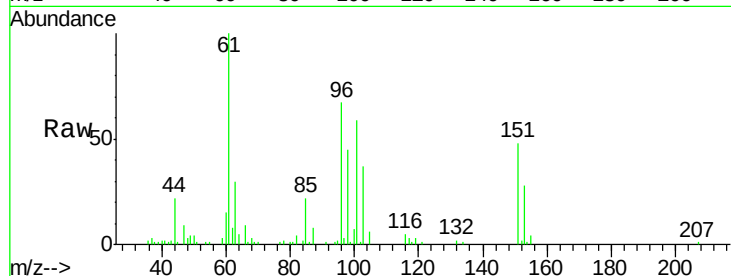
ClientSampleId :

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Tot Ion:	96	Resp:	16481
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	641.4
98	67.4	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 0.556 ug/l

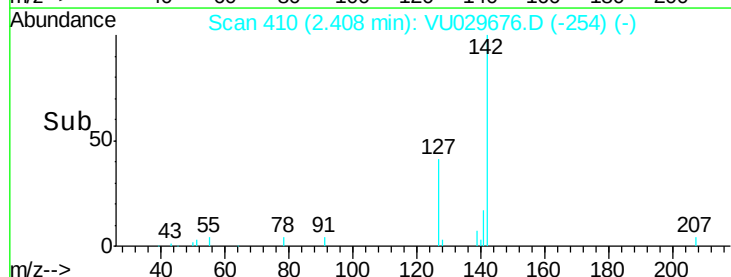
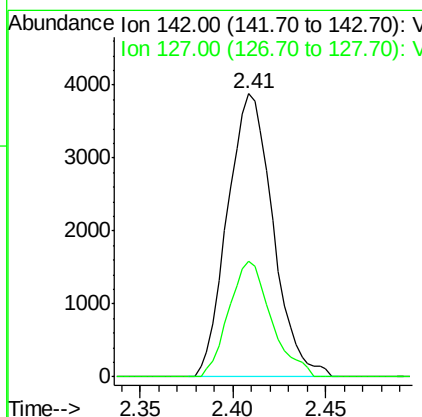
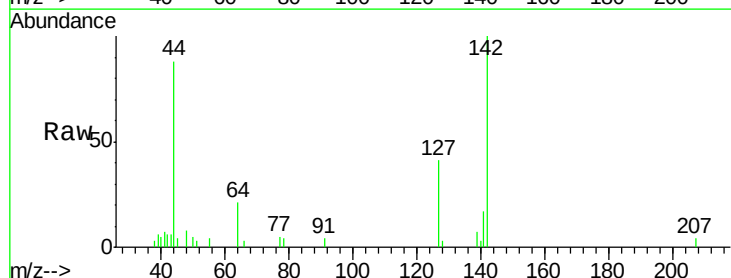
RT: 2.41 min Scan# 410

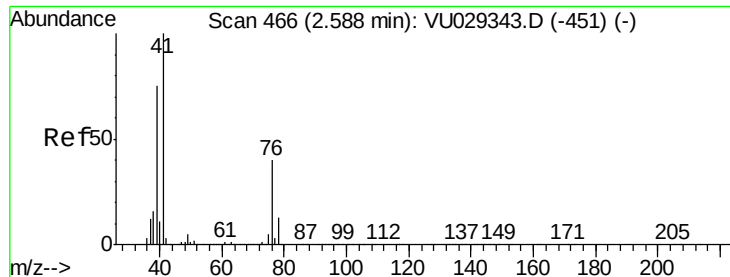
Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	142	Resp:	6610
Ion	Ratio	Lower	Upper
142	100		
127	38.0	47.6	71.4#





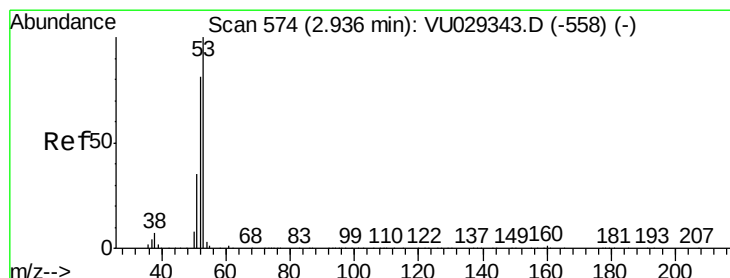
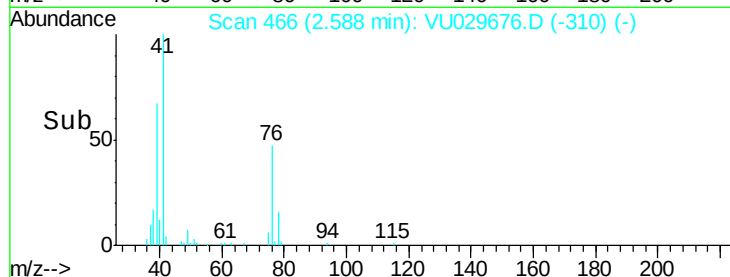
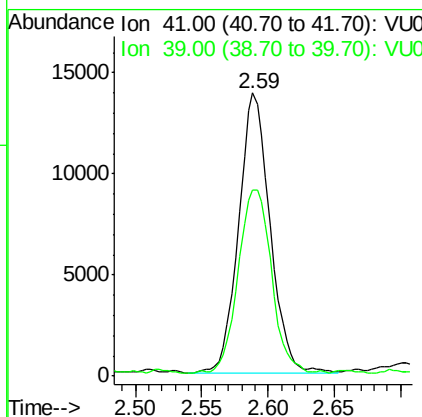
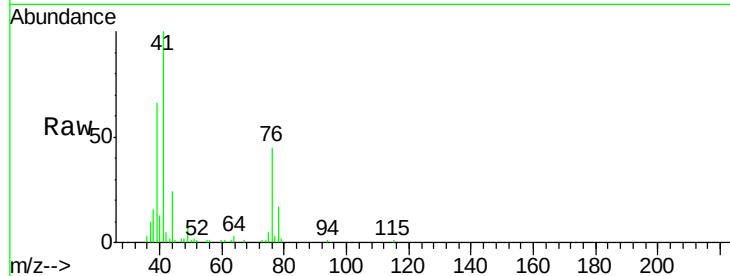
#11
Allvl Chloride
Concen: 0.807 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 41 Resp: 22659
Ion Ratio Lower Upper
41 100
39 68.7 67.2 100.8

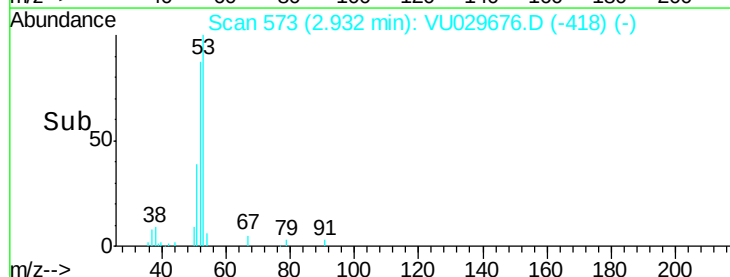
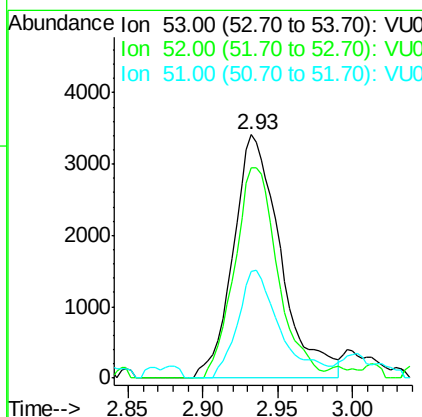
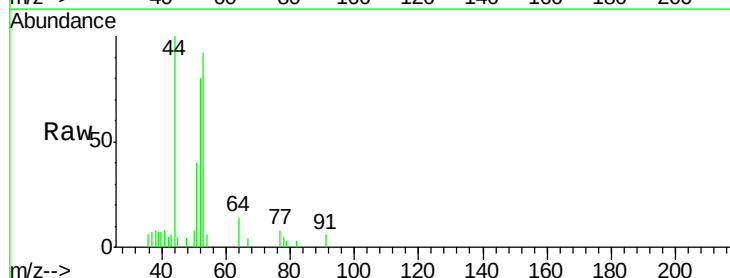
Manual Integrations
APPROVED

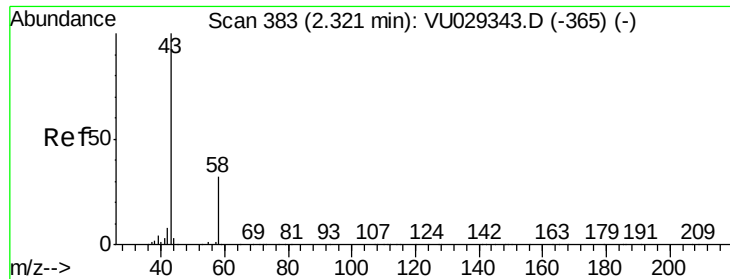
MMDadoda
3/5/2019 9:32:04 AM



#12
Acrylonitrile
Concen: 1.998 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion: 53 Resp: 7496
Ion Ratio Lower Upper
53 100
52 79.3 67.6 101.4
51 39.5 31.0 46.4





#13

Acetone

Concen: 4.298 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 15537

Ion Ratio Lower Upper

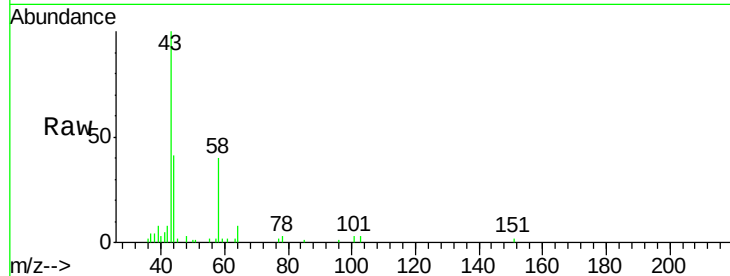
43 100

58 40.3 19.2 28.8#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU029676.D (-227) (-)

Ion 58.00 (57.70 to 58.70): VU029676.D (-227) (-)

2.32

10000

8000

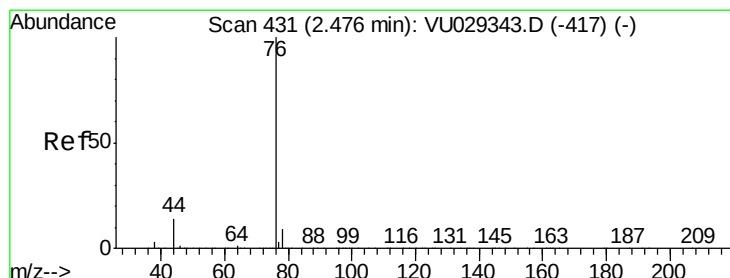
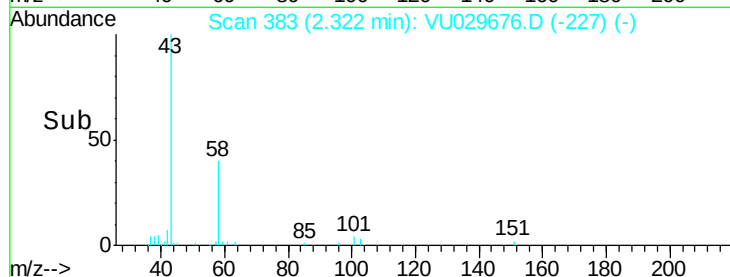
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 0.895 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029676.D

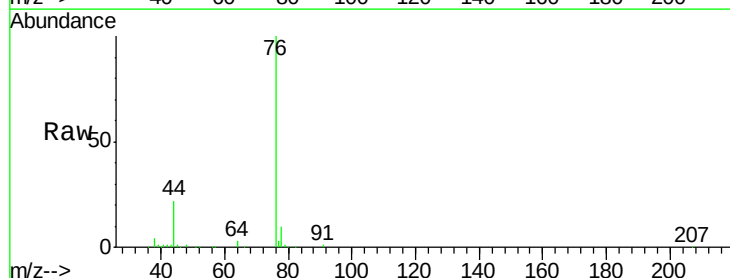
Acq: 26 Feb 2019 12:35

Tgt Ion: 76 Resp: 52889

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU029676.D (-275) (-)

Ion 78.00 (77.70 to 78.70): VU029676.D (-275) (-)

2.47

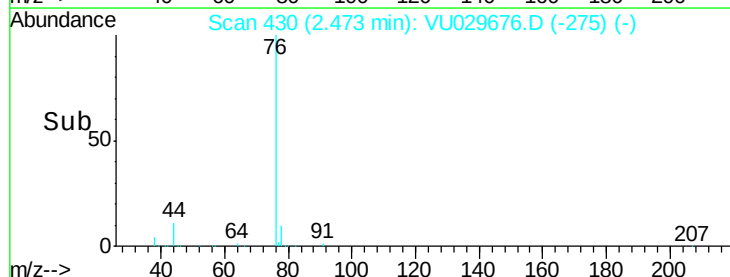
30000

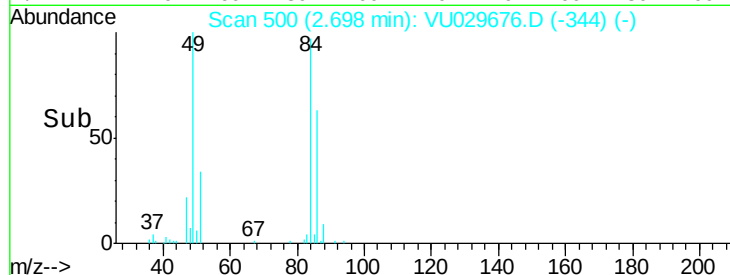
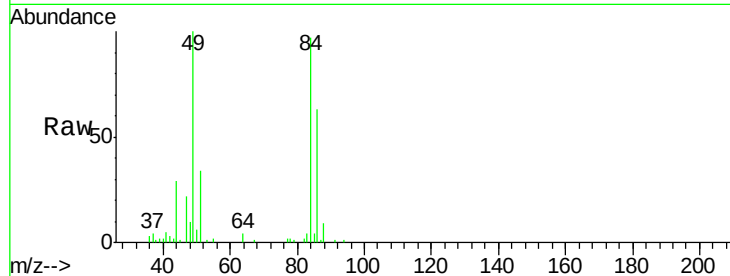
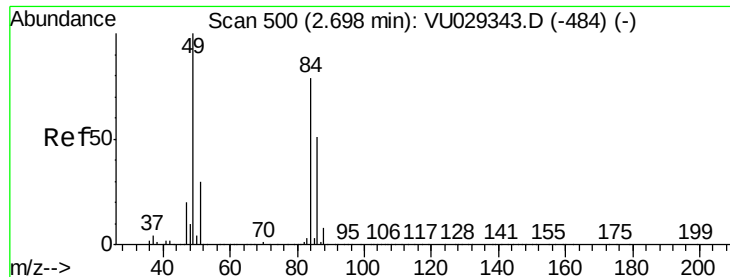
20000

10000

0

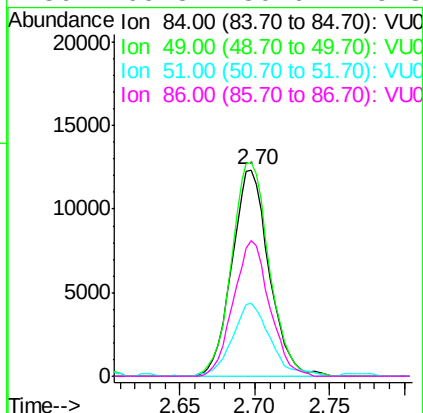
Time--> 2.40 2.45 2.50 2.55





#15
Methylene Chloride
Concen: 1.053 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

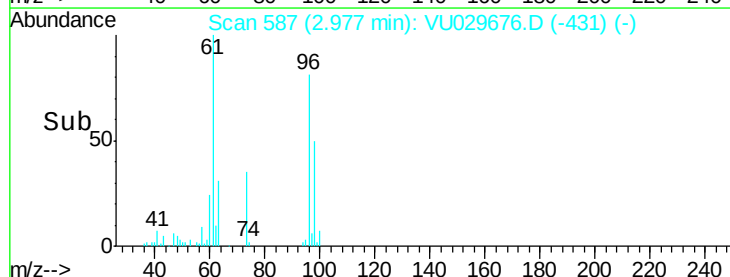
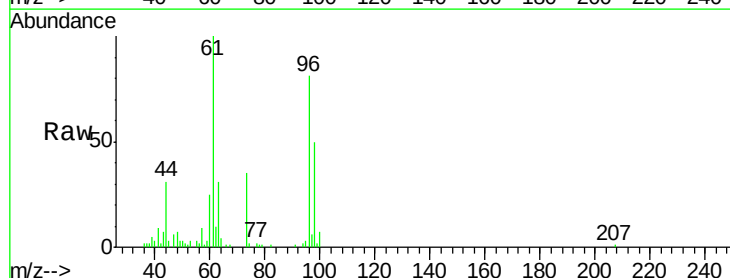
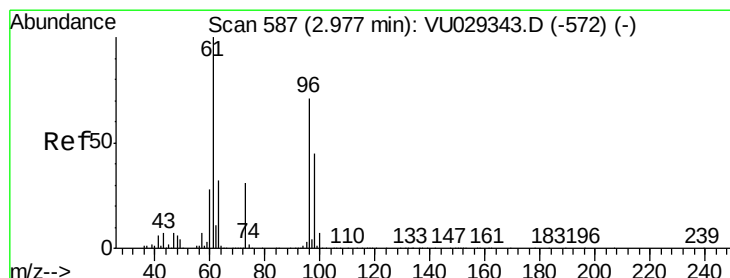
Tot Ion	Ratio	Lower	Upper
84	100		
49	103.6	127.0	190.6#
51	35.2	0.0	93.4
86	65.8	50.6	75.8



Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

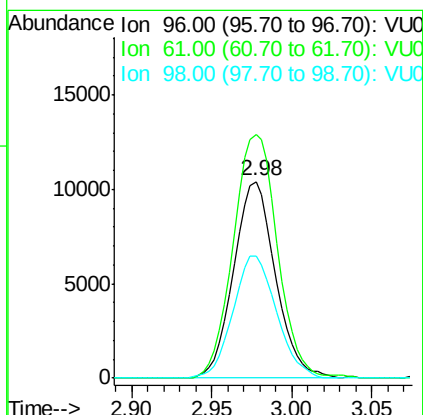
Manual Integrations
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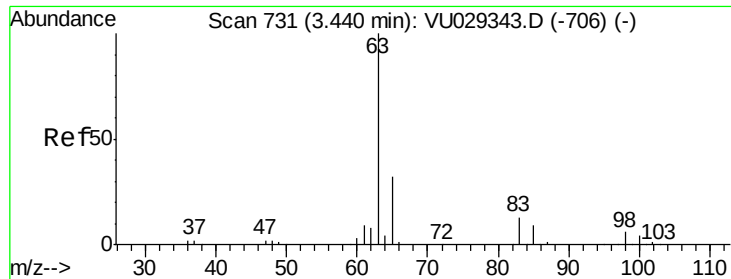
MMDadoda
3/5/2019 9:32:04 AM



#16
trans-1,2-Dichloroethene
Concen: 0.991 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.7	140.6	210.8#
98	62.2	49.3	73.9





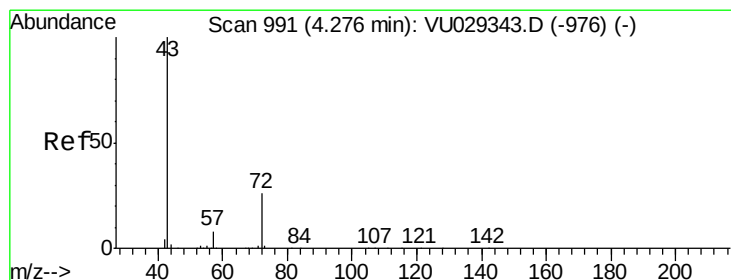
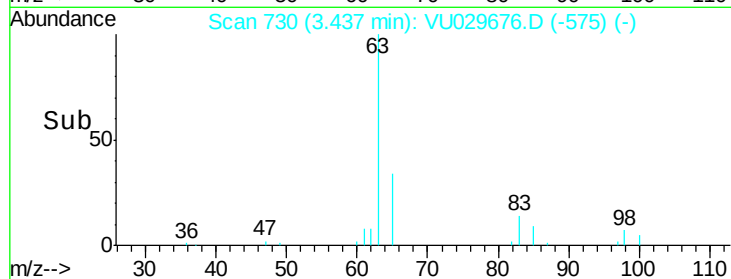
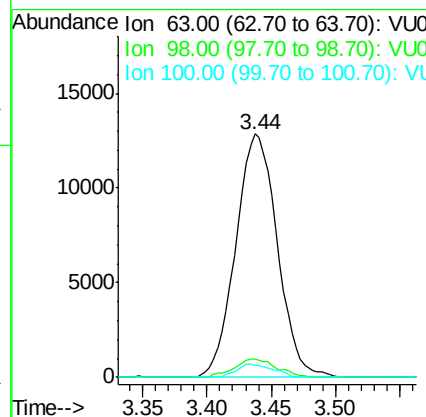
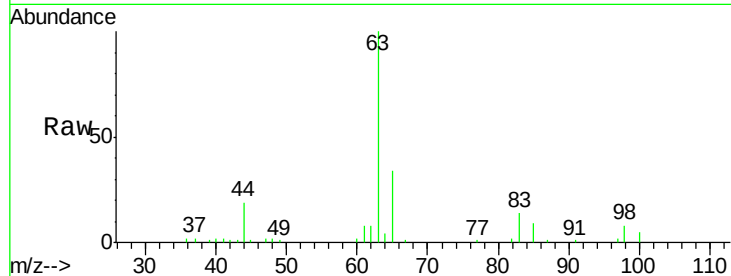
#17
 1,1-Dichloroethane
 Concen: 0.973 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
63	100	28854		
98	7.5		2.9	8.8
100	5.1		1.7	5.1

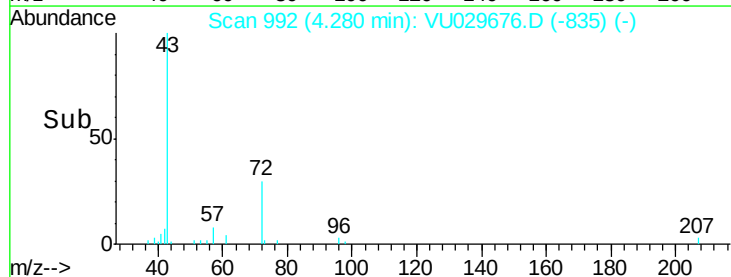
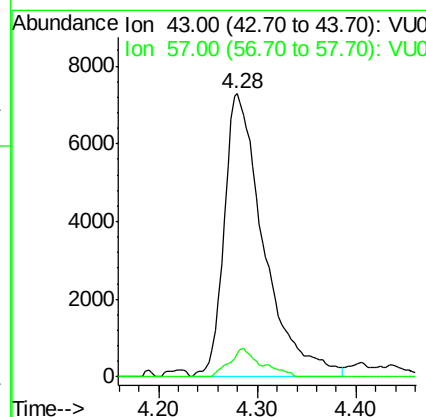
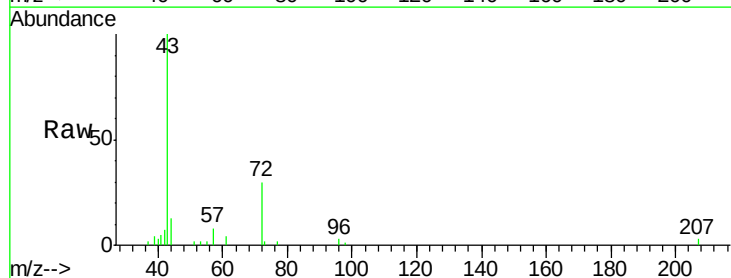
Manual Integrations
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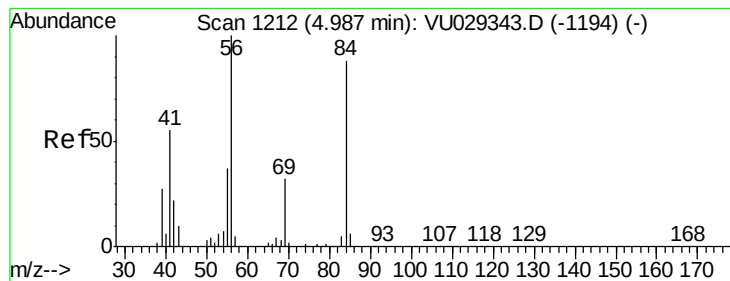
MMDadoda
 3/5/2019 9:32:04 AM



#18
 2-Butanone
 Concen: 5.058 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	20436		
57	8.3		0.0	15.8





#19

Cyclohexane

Concen: 0.762 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

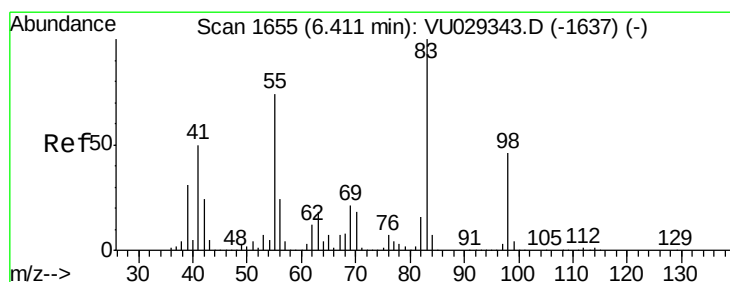
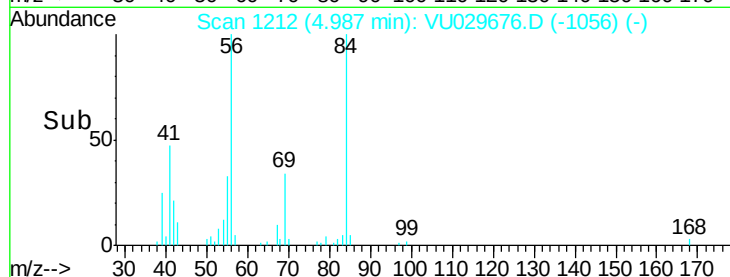
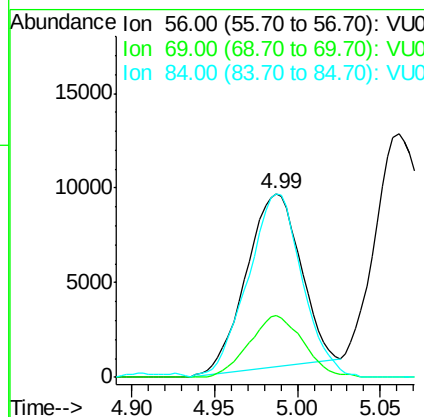
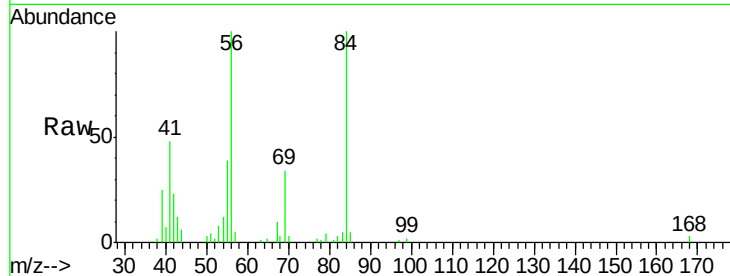
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	56	Resp:	20956
Ion	Ratio	Lower	Upper
56	100		
69	35.7	26.8	40.2
84	105.8	71.5	107.3

Manual Integrations
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3/5/2019 9:32:04 AM



#20

Methylcyclohexane

Concen: 0.978 ug/l

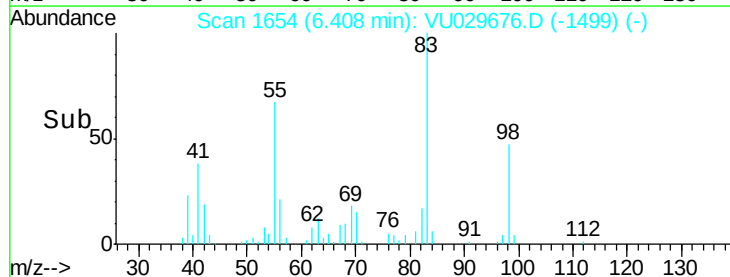
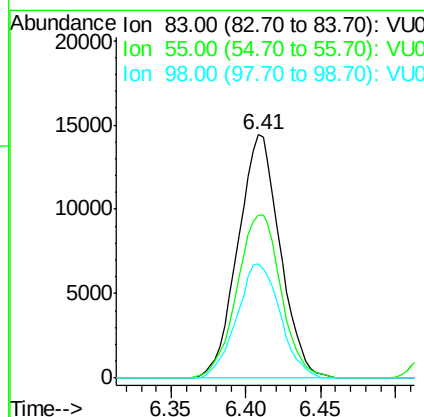
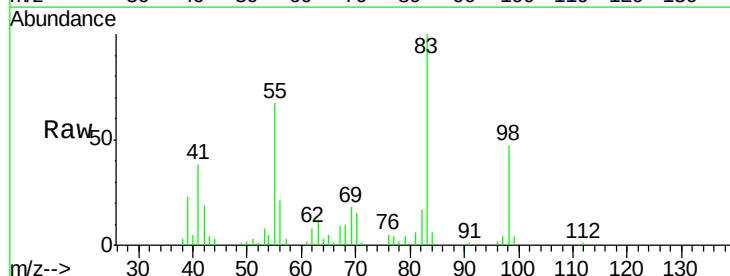
RT: 6.41 min Scan# 1654

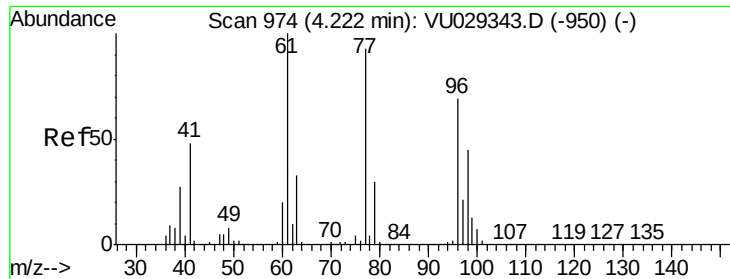
Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	83	Resp:	28253
Ion	Ratio	Lower	Upper
83	100		
55	70.2	72.4	108.6#
98	48.2	36.6	54.8





#21

2,2-Dichloropropane

Concen: 0.871 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 77 Resp: 23923

Ion Ratio Lower Upper

77 100

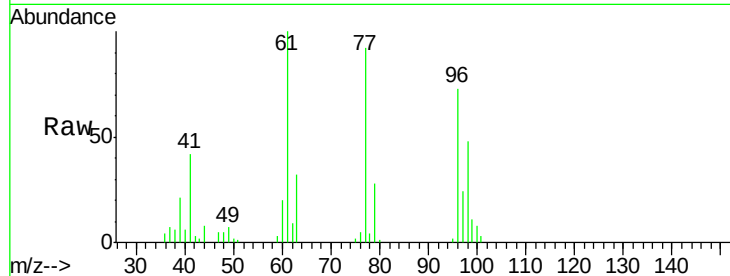
97 26.1 15.6 23.4#

Manual Integrations

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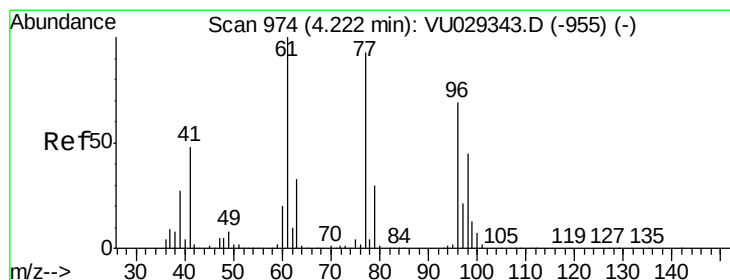
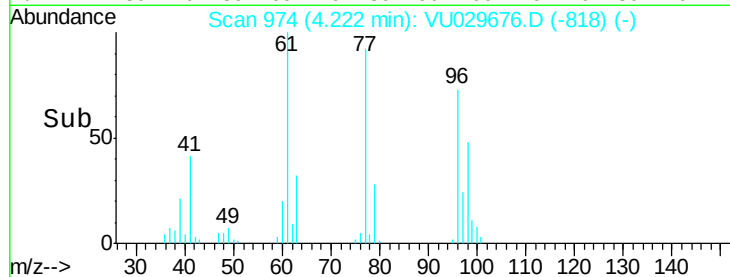
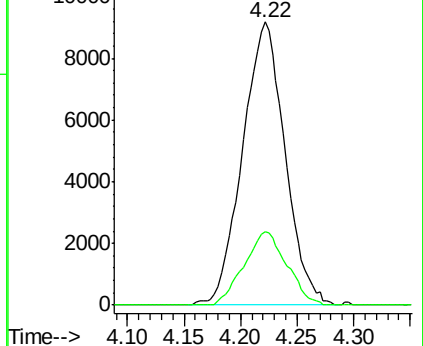
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.022 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

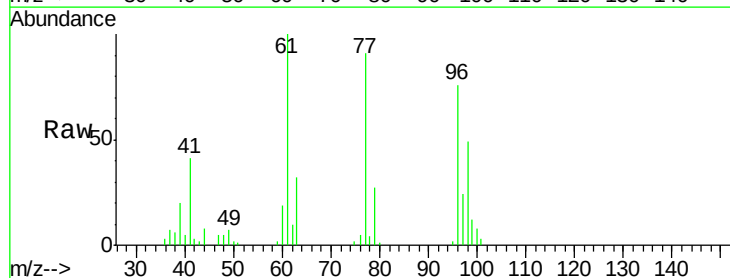
Tgt Ion: 96 Resp: 18020

Ion Ratio Lower Upper

96 100

61 140.6 0.0 460.0

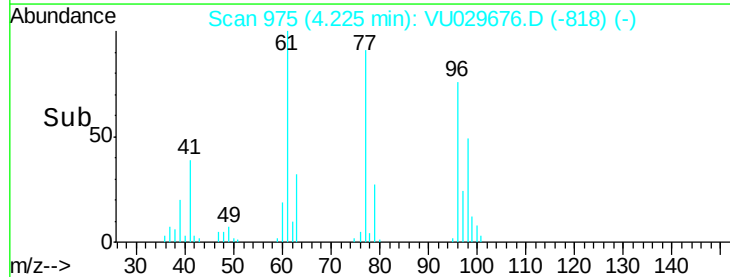
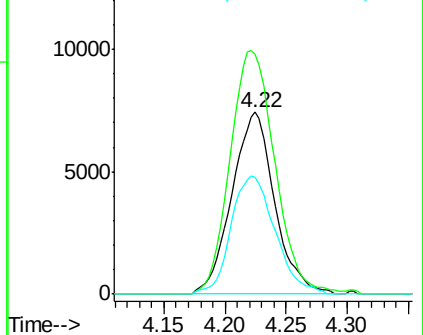
98 66.8 32.6 97.7

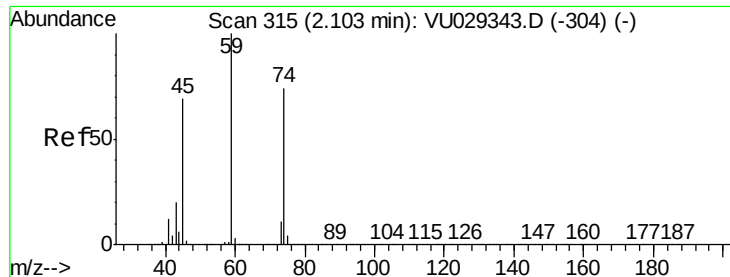


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 0.894 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

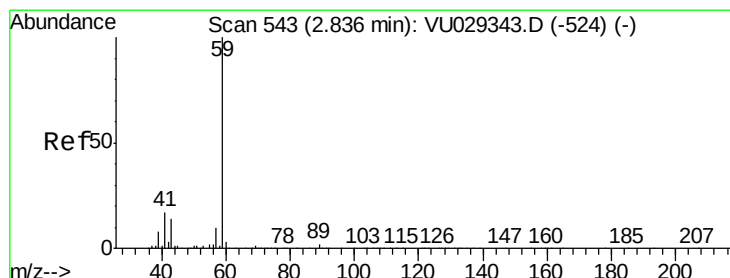
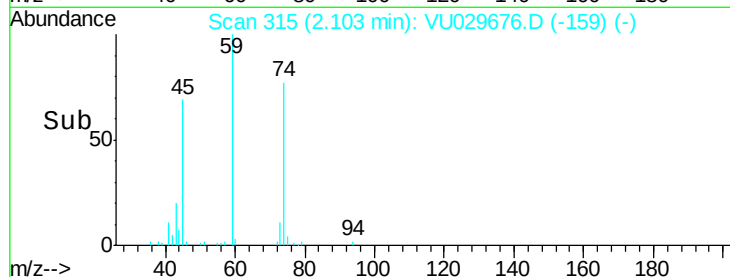
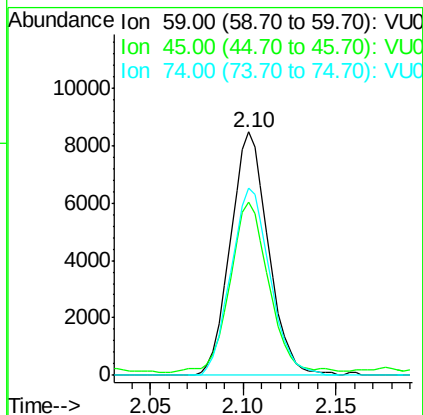
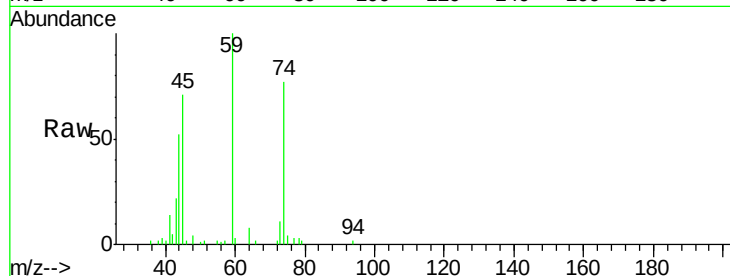
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	59	Resp:	12013
Ion	Ratio	Lower	Upper
59	100		
45	70.5	64.2	96.4
74	79.4	55.3	82.9

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 9.338 ug/l

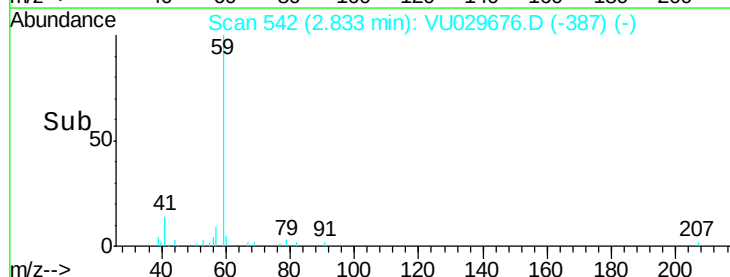
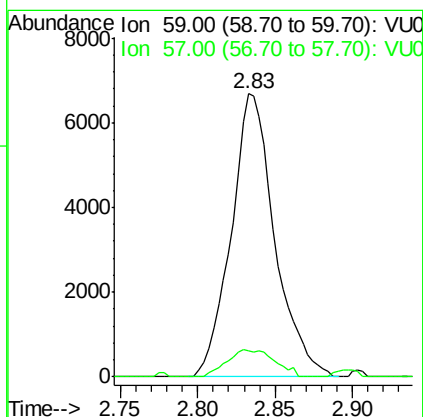
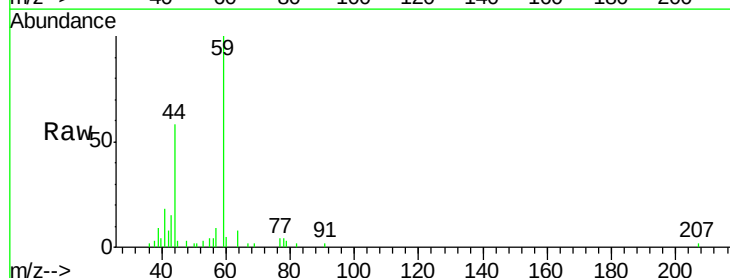
RT: 2.83 min Scan# 542

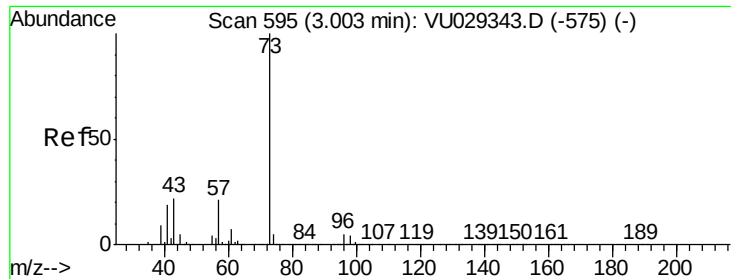
Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	59	Resp:	13042
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2





#25

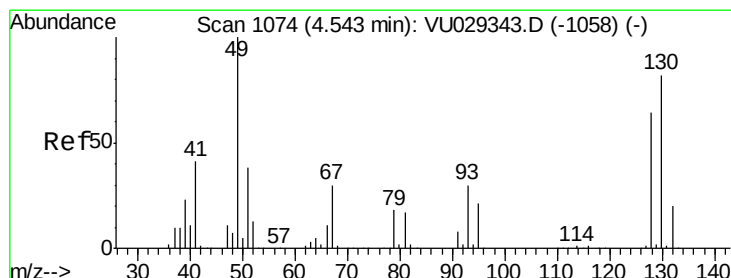
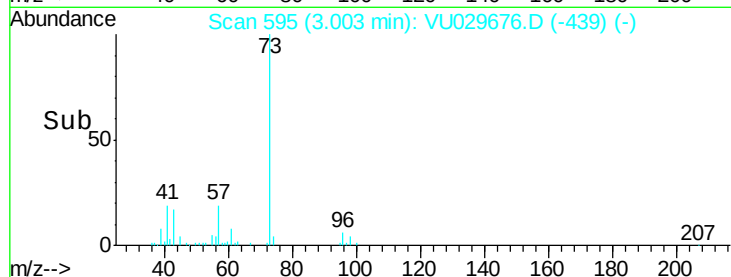
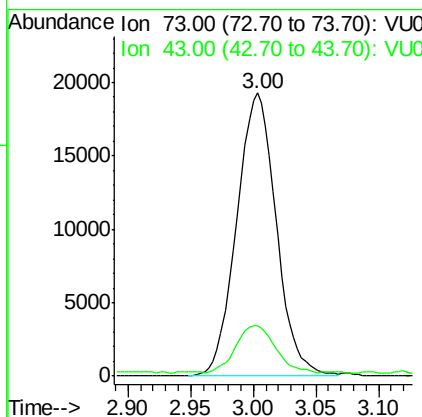
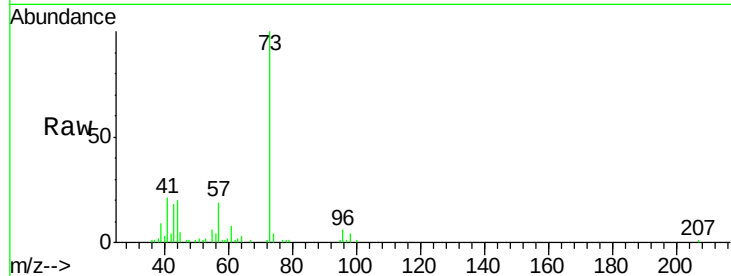
Methyl tert-Butyl Ether
 Concen: 0.899 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	73	Resp	42347
Ion Ratio	Lower	Upper	
73	100		
43	16.3	22.1	33.1#

Manual Integrations
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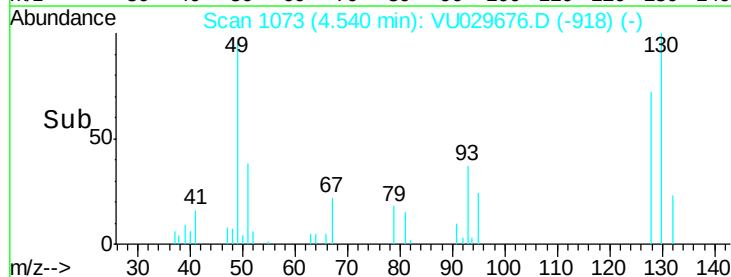
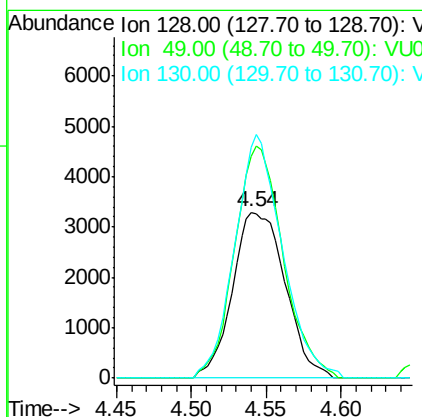
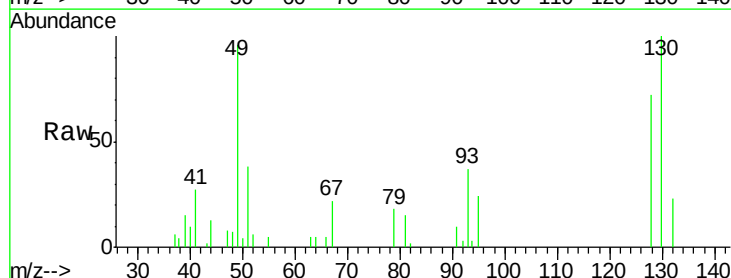
MMDadoda
 3/5/2019 9:32:04 AM

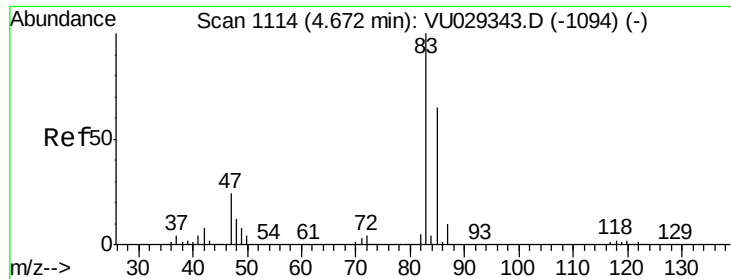


#26

Bromochloromethane
 Concen: 1.032 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	128	Resp	8038
Ion Ratio	Lower	Upper	
128	100		
49	129.5	0.0	401.6
130	132.7	108.0	162.0





#27

Chloroform

Concen: 1.005 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 83 Resp: 28988

Ion Ratio Lower Upper

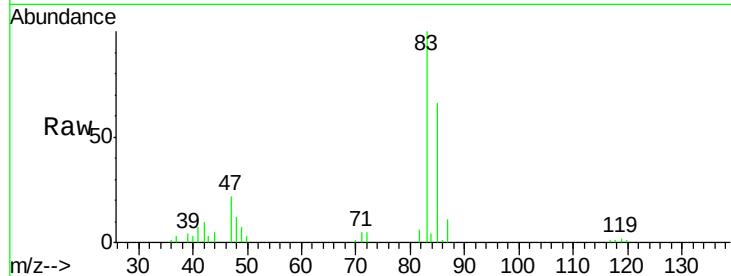
83 100

85 66.1 0.0 126.6

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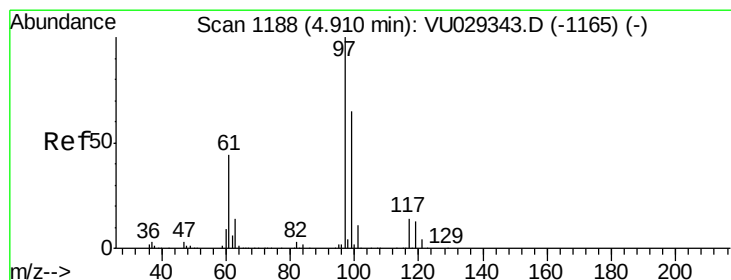
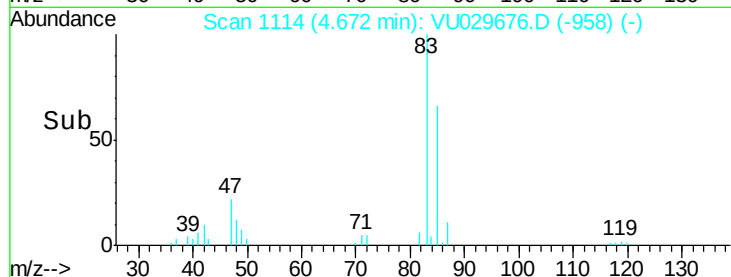
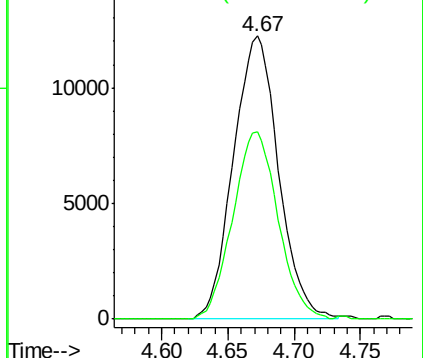
MMDadoda

3/5/2019 9:32:04 AM



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.928 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

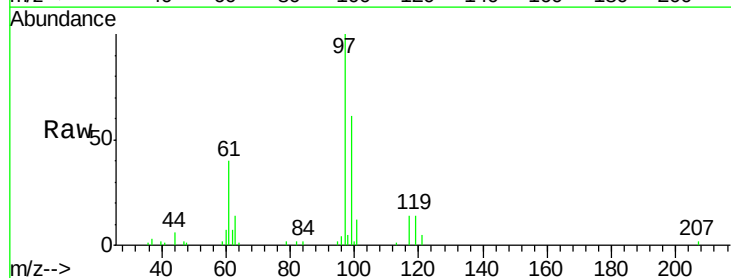
Tgt Ion: 97 Resp: 24807

Ion Ratio Lower Upper

97 100

99 64.2 32.4 97.2

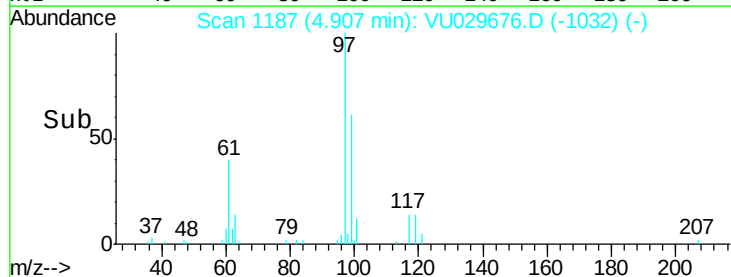
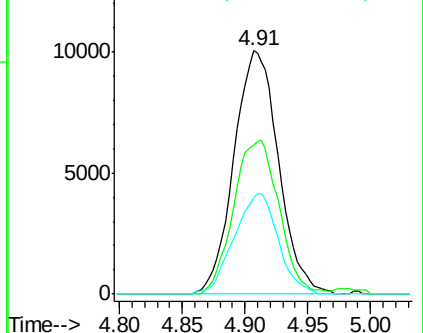
61 40.7 24.4 73.2

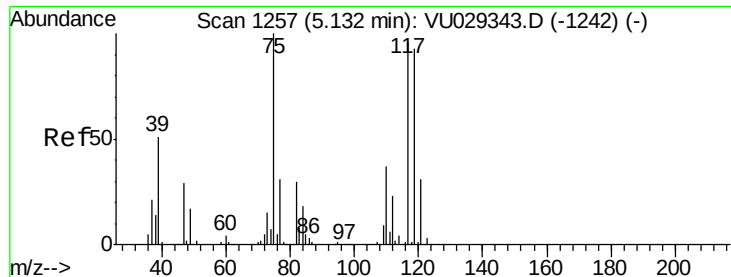


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 0.935 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

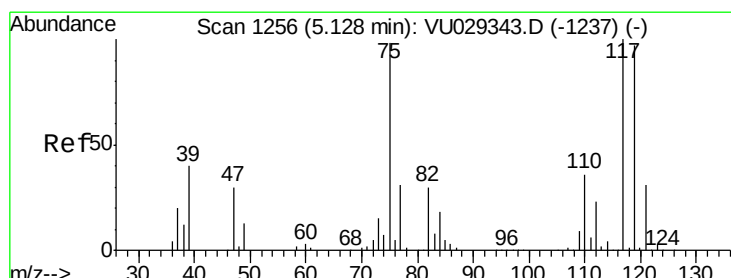
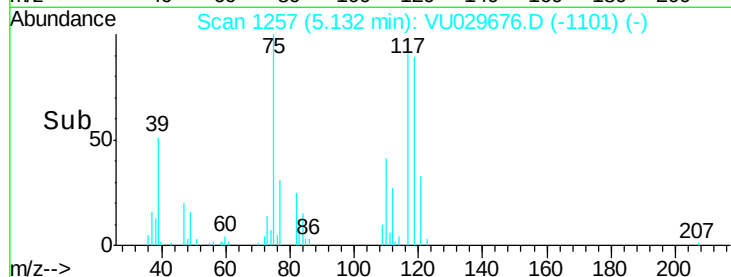
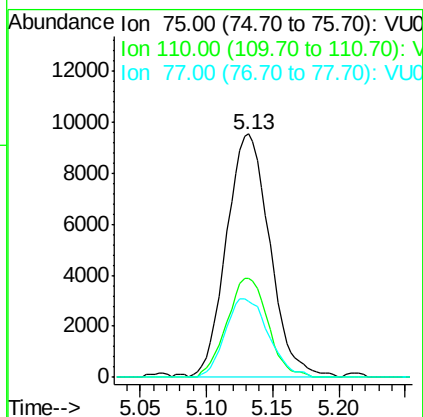
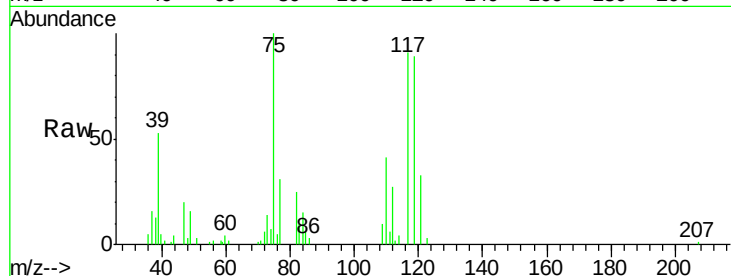
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	75	Resp:	21707
Ion	Ratio	Lower	Upper
75	100		
110	38.6	15.4	46.2
77	32.3	24.1	36.1

Manual Integrations
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3/5/2019 9:32:04 AM



#30

Carbon Tetrachloride

Concen: 0.874 ug/l

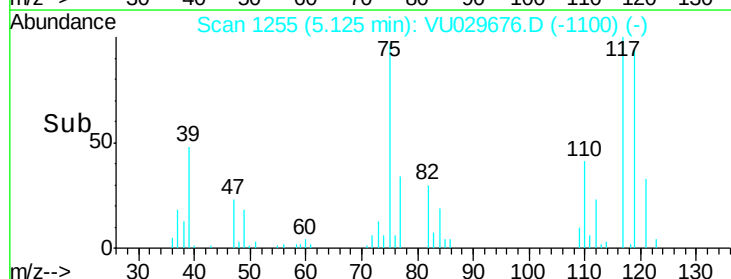
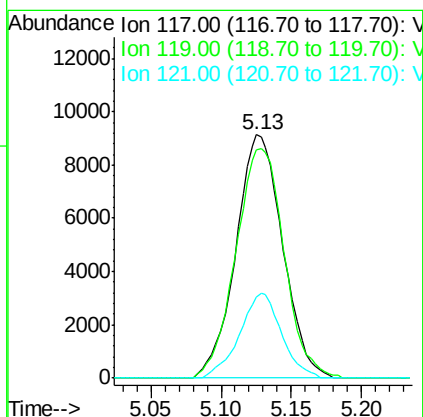
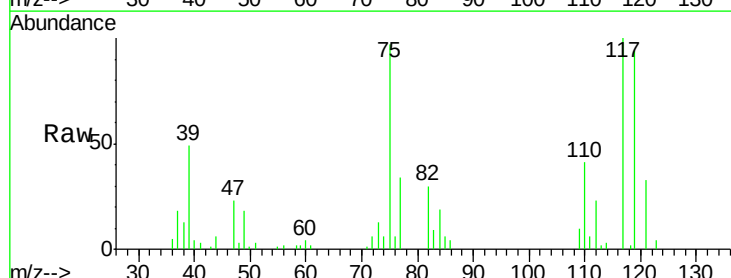
RT: 5.13 min Scan# 1255

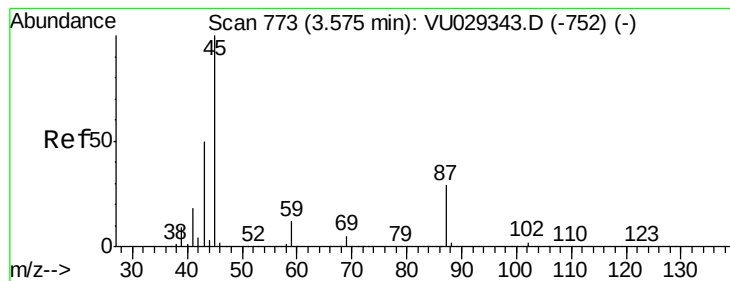
Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	117	Resp:	21159
Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	33.1	24.4	36.6





#31

Isopropyl Ether

Concen: 0.921 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 45 Resp: 41215

Ion Ratio Lower Upper

45 100

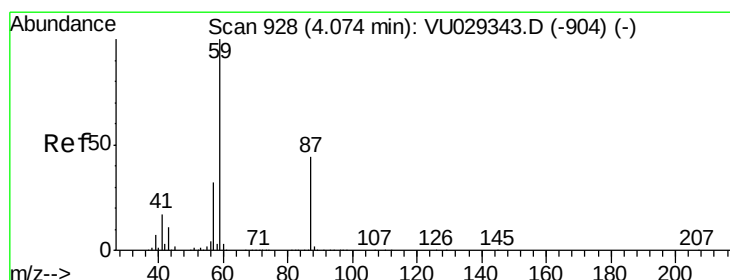
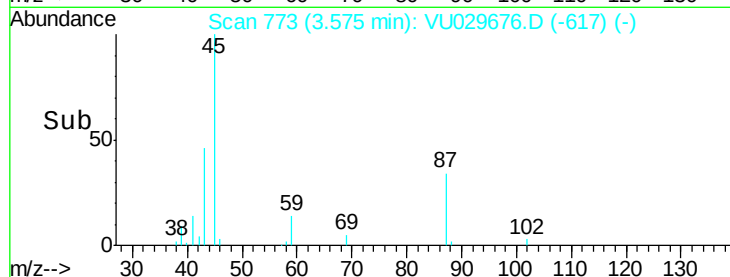
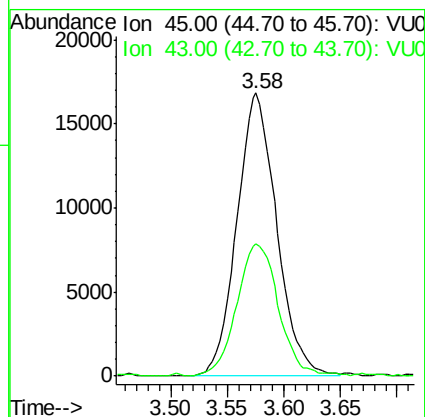
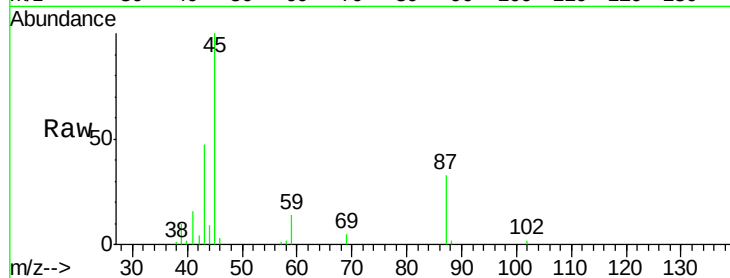
43 48.7 28.4 85.3

Manual Integrations

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MMDadoda

3/5/2019 9:32:04 AM



#32

Ethyl-t-butyl ether

Concen: 0.906 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029676.D

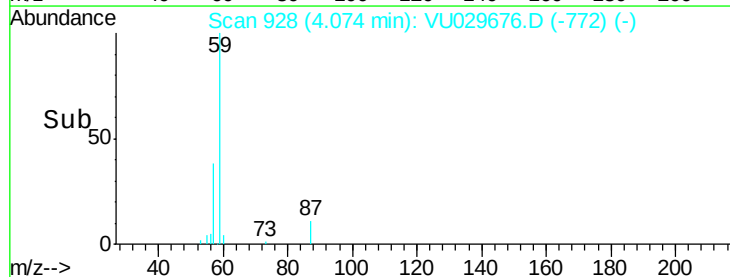
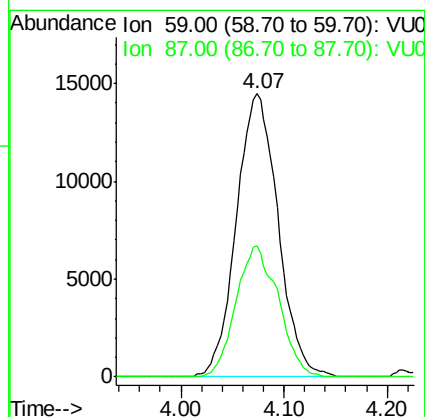
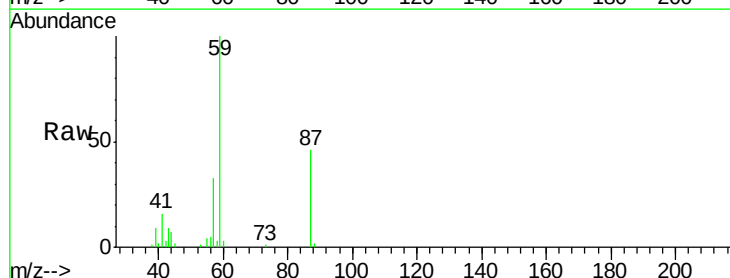
Acq: 26 Feb 2019 12:35

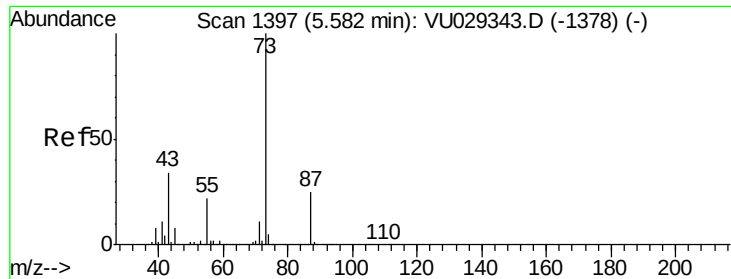
Tgt Ion: 59 Resp: 40616

Ion Ratio Lower Upper

59 100

87 47.1 31.1 46.7#





#33

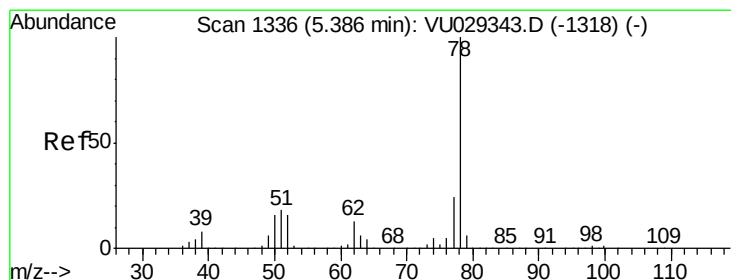
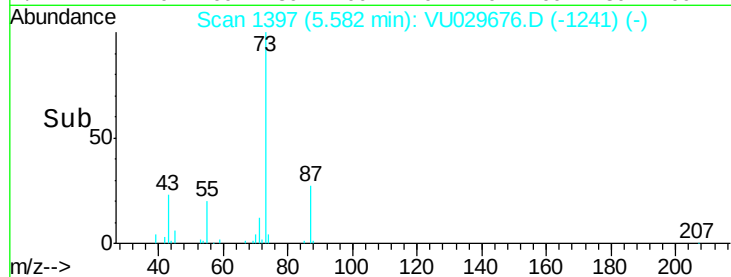
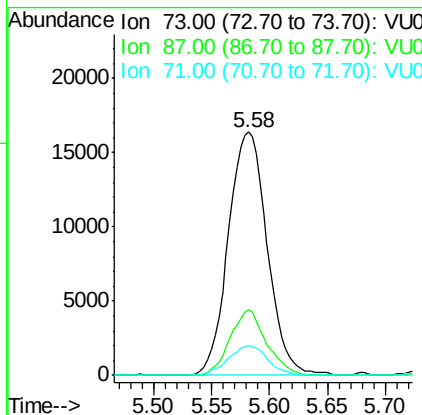
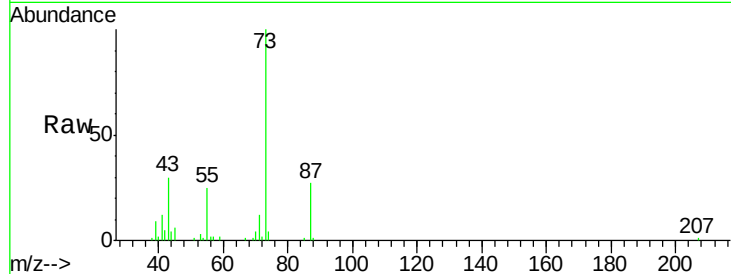
Tert-Butyl methyl ether
 Concen: 0.941 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.4	29.0
71	12.3	9.0	13.4

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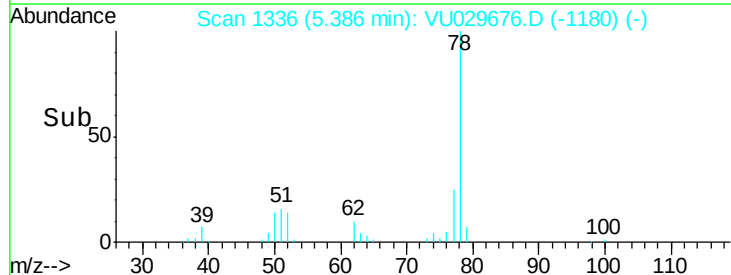
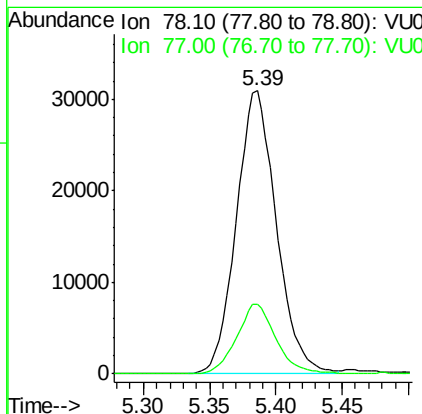
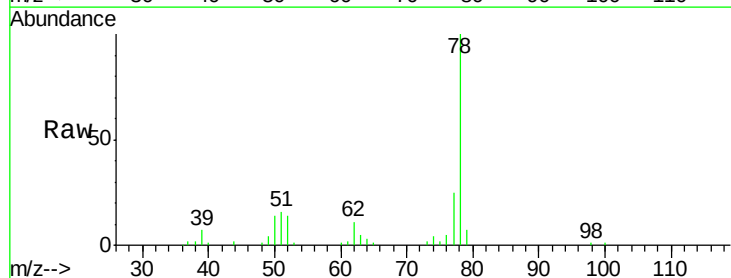
MMDadoda
 3/5/2019 9:32:04 AM

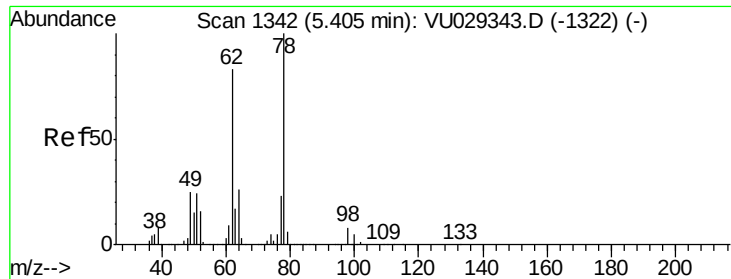


#35

Benzene
 Concen: 1.015 ug/l
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.8	29.8





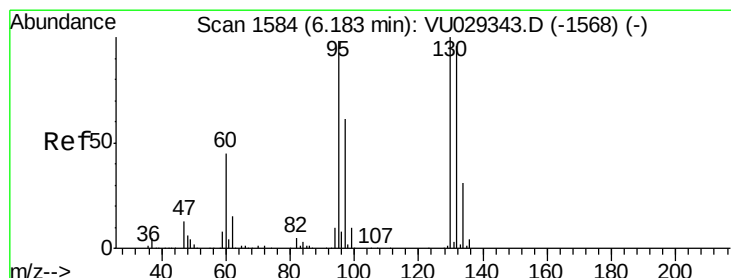
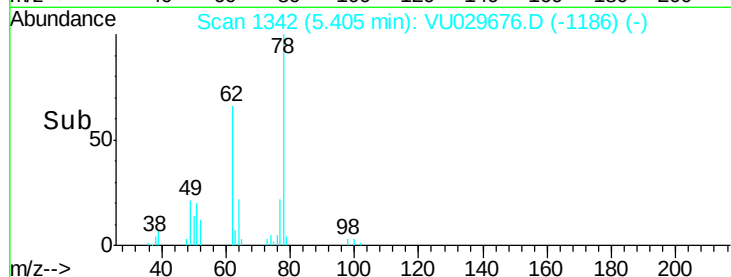
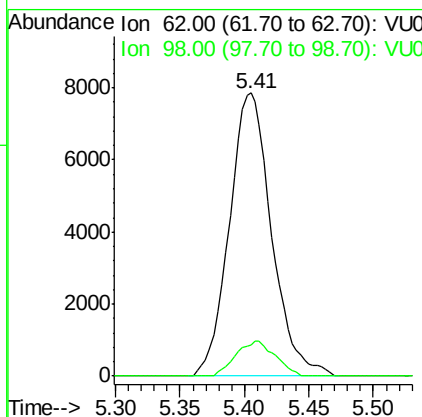
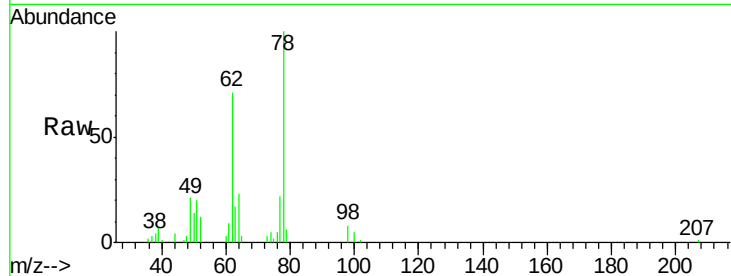
#36
1,2-Dichloroethane
Concen: 0.918 ug/l
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 62 Resp: 17828
Ion Ratio Lower Upper
62 100
98 11.6 4.9 7.3#

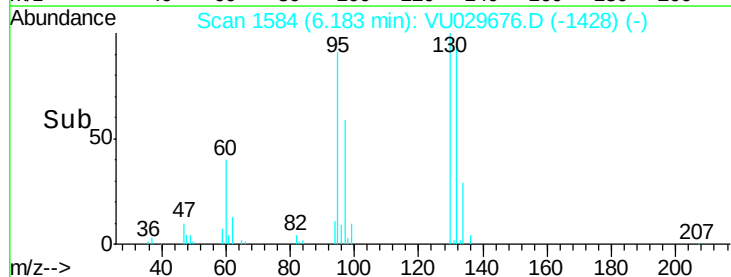
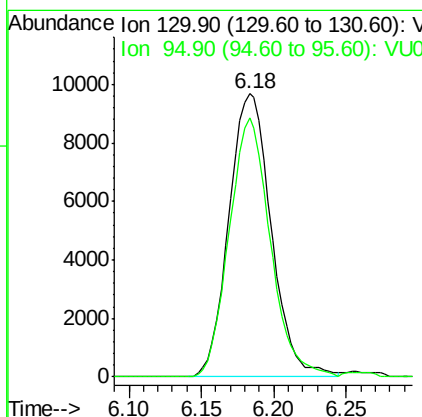
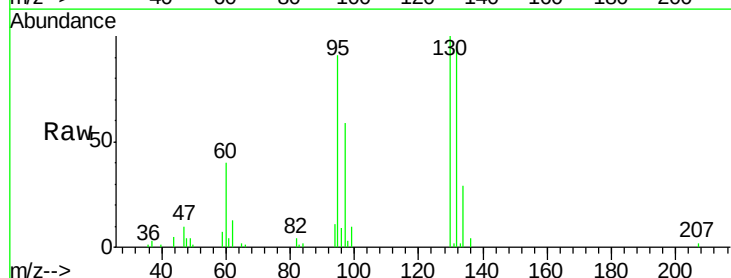
Manual Integrations
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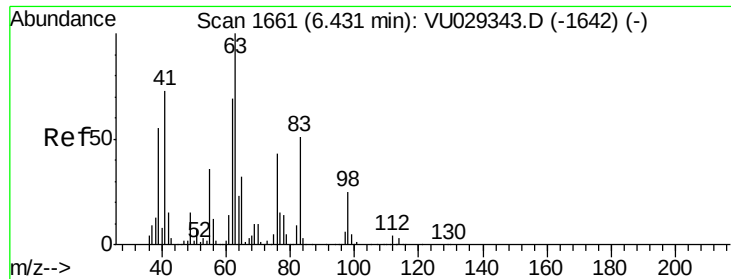
MMDadoda
3/5/2019 9:32:04 AM



#37
Trichloroethene
Concen: 1.064 ug/l
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion:130 Resp: 19600
Ion Ratio Lower Upper
130 100
95 91.5 85.4 128.0





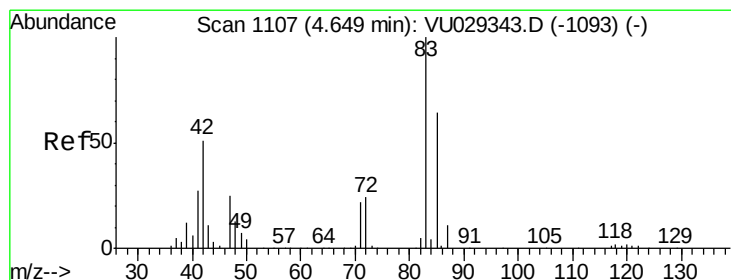
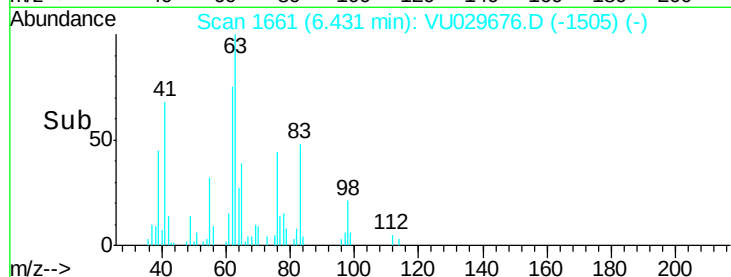
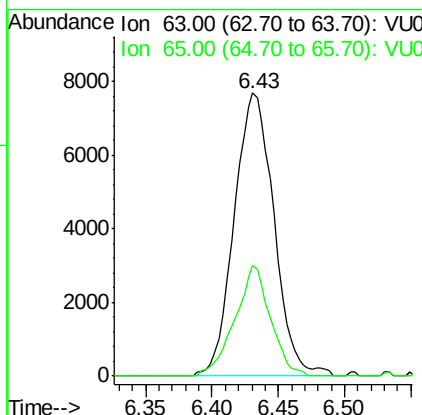
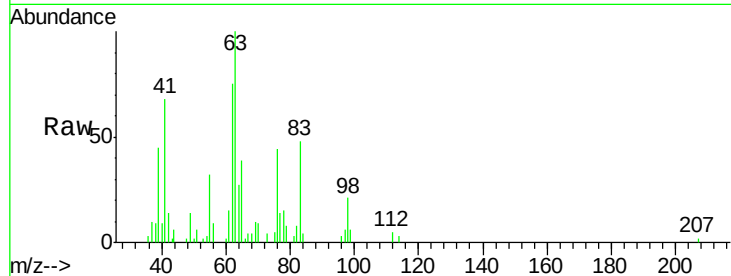
#38
 1,2-Dichloropropane
 Concen: 0.962 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion: 63 Resp: 16058
 Ion Ratio Lower Upper
 63 100
 65 39.0 25.5 38.3#

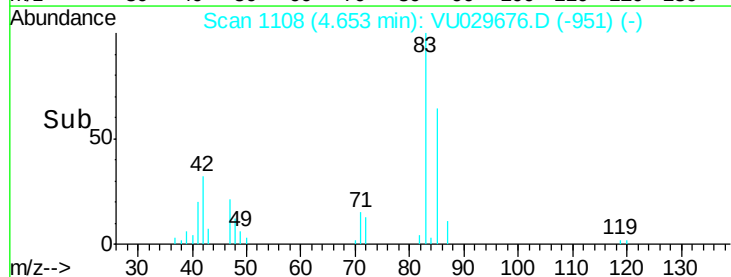
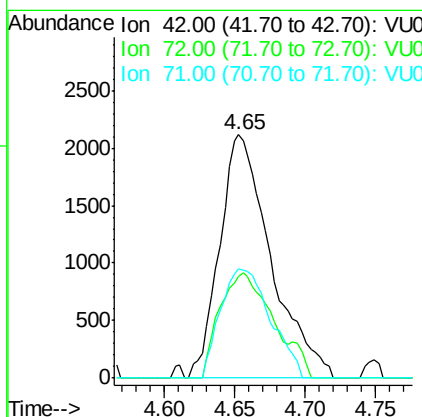
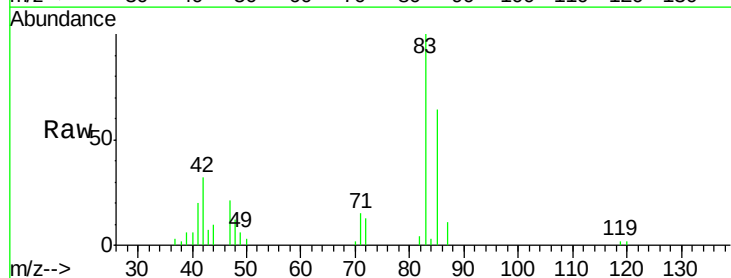
Manual Integrations
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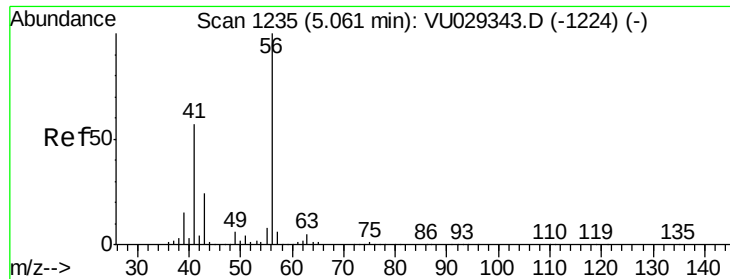
MMDadoda
 3/5/2019 9:32:04 AM



#41
 Tetrahydrofuran
 Concen: 1.955 ug/l
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion: 42 Resp: 5356
 Ion Ratio Lower Upper
 42 100
 72 45.5 33.1 49.7
 71 43.7 30.2 45.2





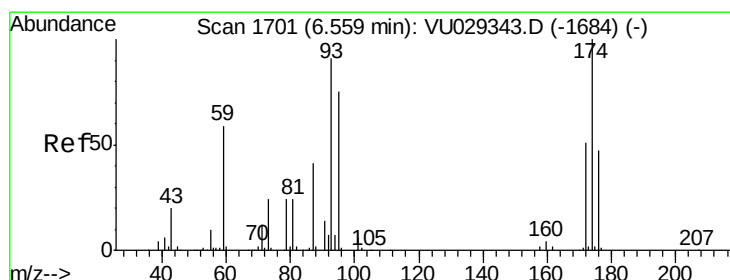
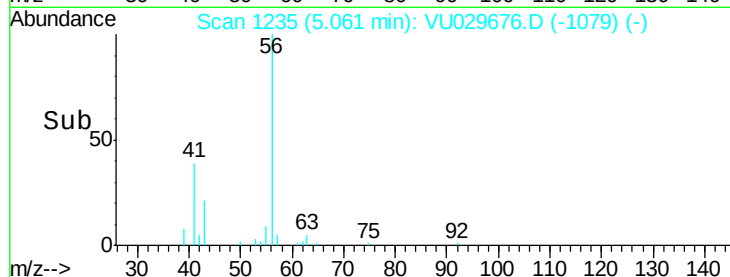
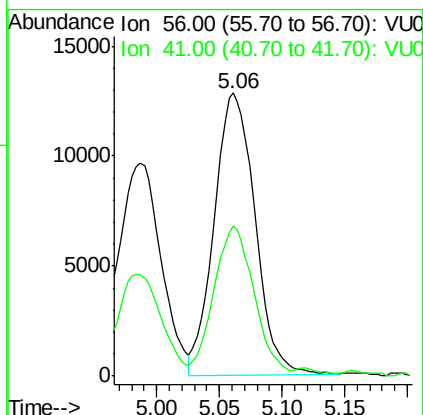
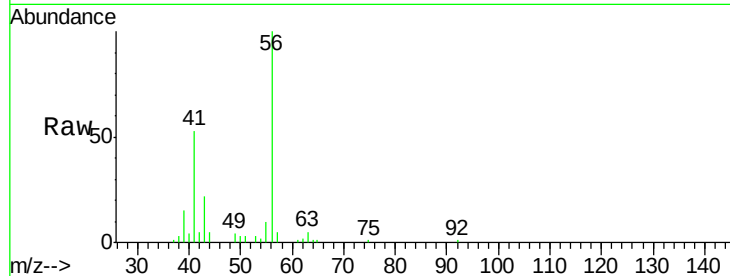
#42
1-Chlorobutane
Concen: 0.926 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
56	100		
41	51.7	31.3	93.8

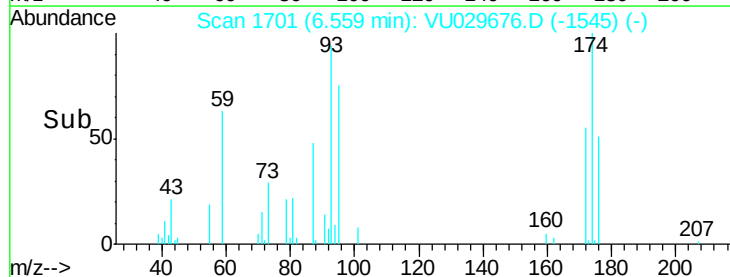
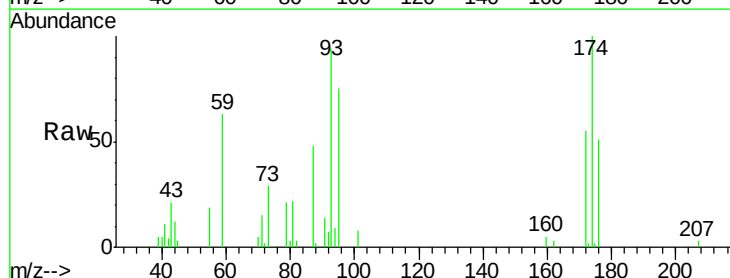
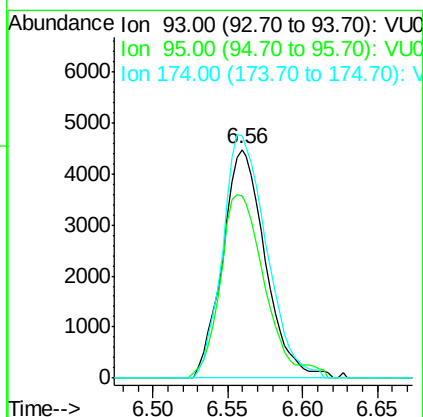
Manual Integrations
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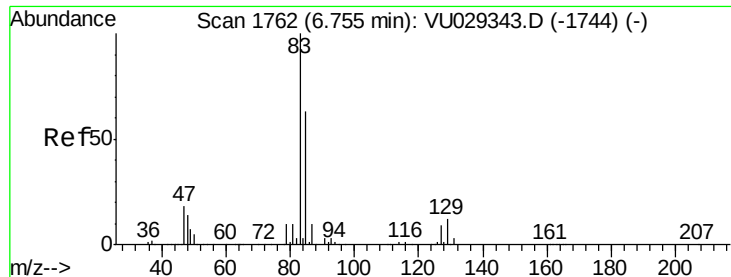
MMDadoda
3/5/2019 9:32:04 AM



#43
Dibromomethane
Concen: 0.999 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	68.2	102.2
174	109.3	77.6	116.4





#44

Bromodichloromethane

Concen: 0.887 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

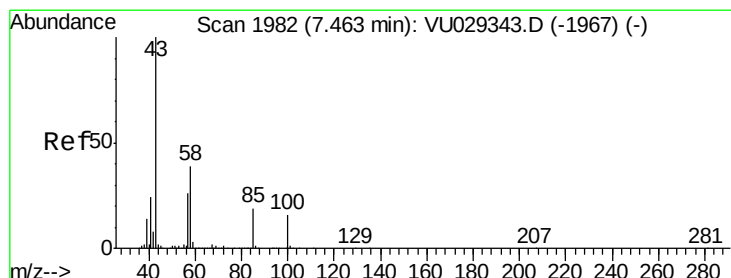
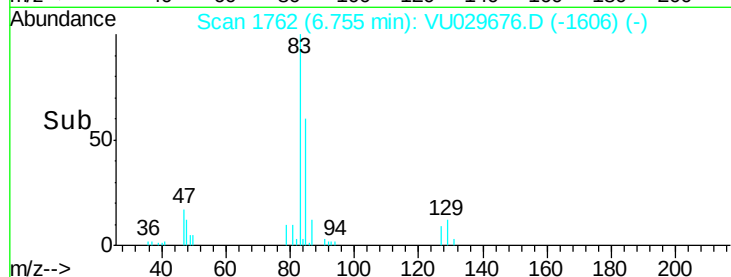
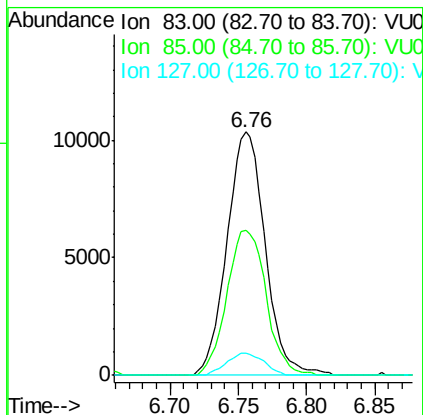
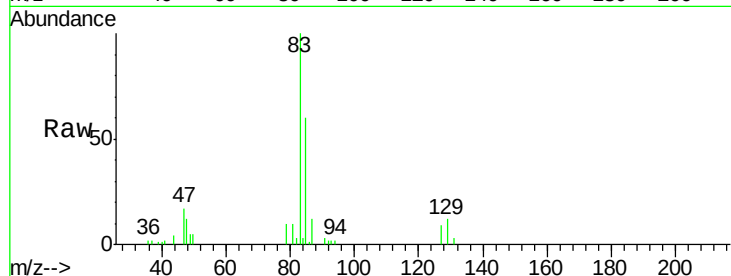
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	20120
Ion Ratio	Lower	Upper	
83	100		
85	59.8	49.2	73.8
127	9.0	7.0	10.6

Manual Integrations
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MMDadoda
3/5/2019 9:32:04 AM



#45

4-Methyl-2-Pentanone

Concen: 4.179 ug/l

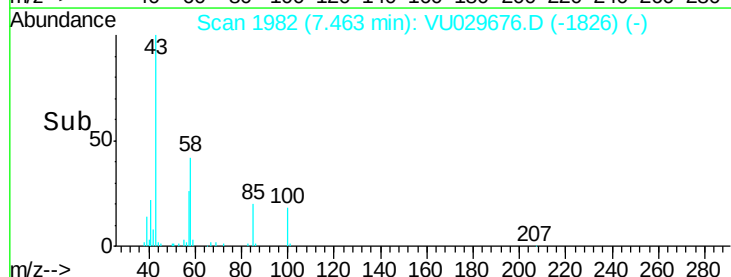
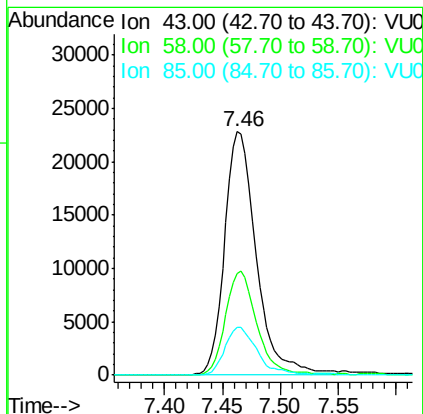
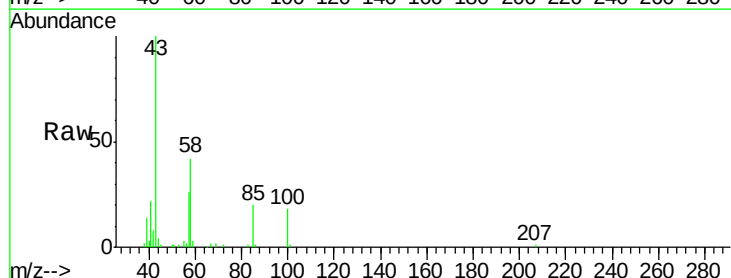
RT: 7.46 min Scan# 1982

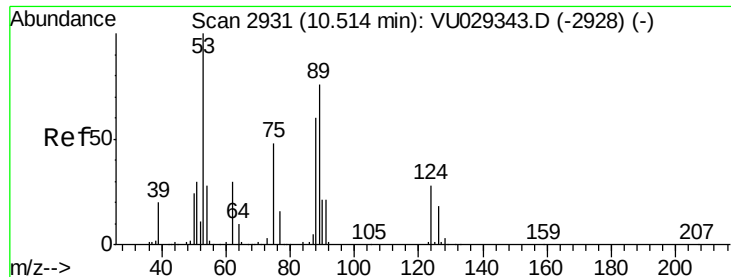
Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	43	Resp:	43582
Ion Ratio	Lower	Upper	
43	100		
58	41.2	17.6	52.8
85	19.9	12.3	18.5#





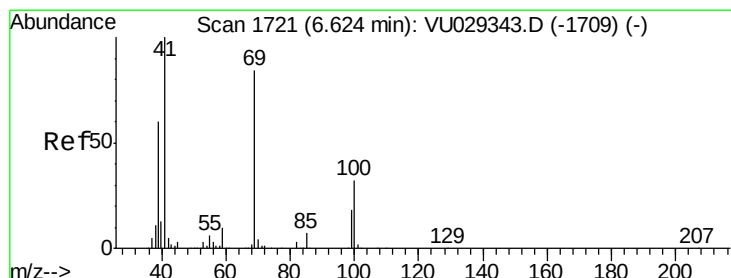
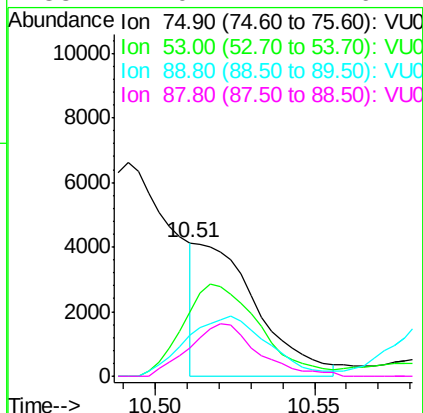
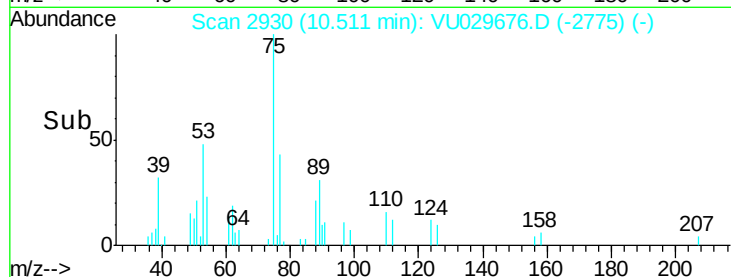
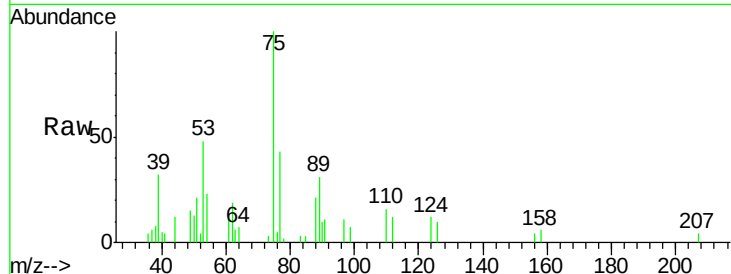
#46
t-1,4-Dichloro-2-butene
Concen: 1.078 ug/l m
RT: 10.51 min Scan# 2930
Delta R.T. -0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion:	75	Resp:	5478
Ion	Ratio	Lower	Upper
75	100		
53	87.1	78.2	117.4
89	60.7	44.2	66.4
88	44.0	41.4	62.2

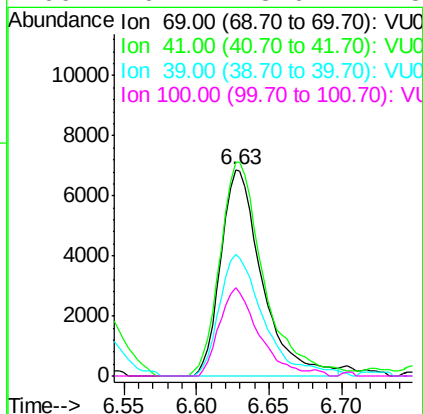
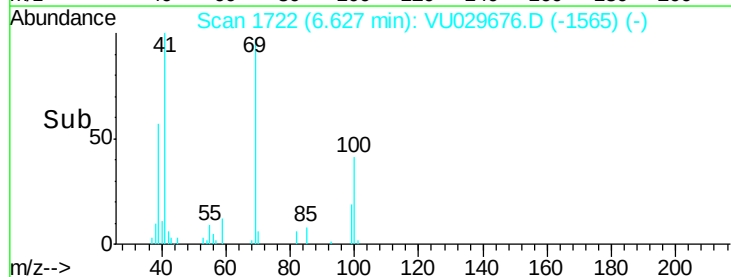
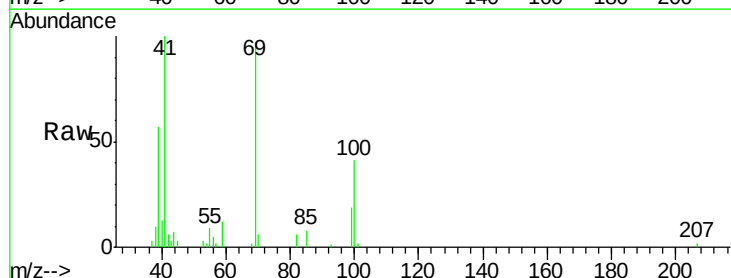
Manual Integrations
APPROVED

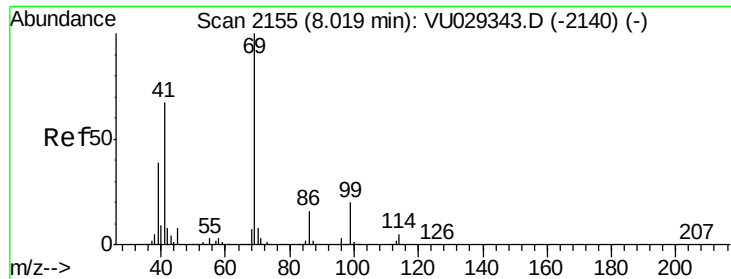
MMDadoda
3/5/2019 9:32:04 AM



#47
Methyl methacrylate
Concen: 1.740 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion:	69	Resp:	13621
Ion	Ratio	Lower	Upper
69	100		
41	110.3	0.0	296.2
39	63.1	71.2	106.8#
100	40.2	28.6	42.8





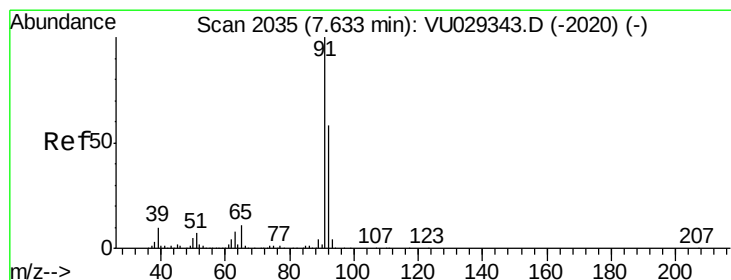
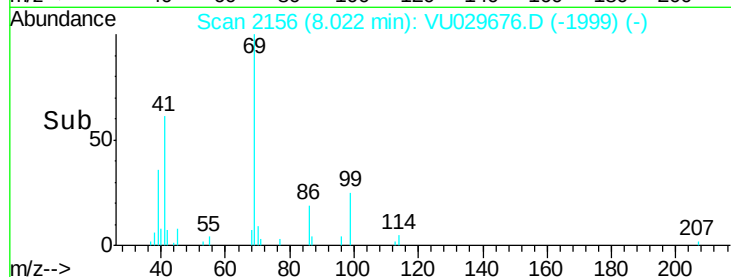
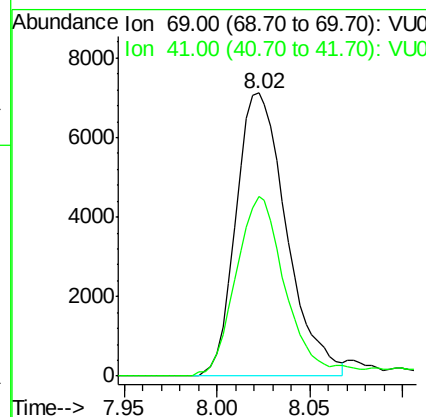
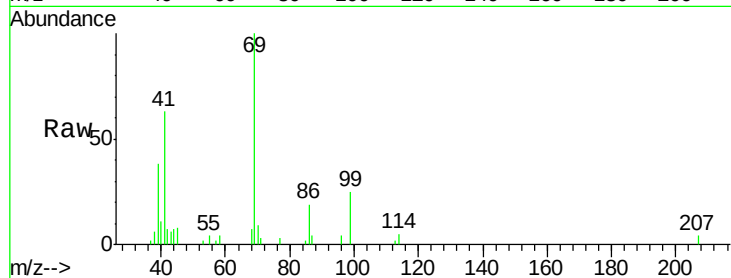
#48
Ethyl methacrylate
Concen: 0.802 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
69	100		
41	62.4	39.9	119.7

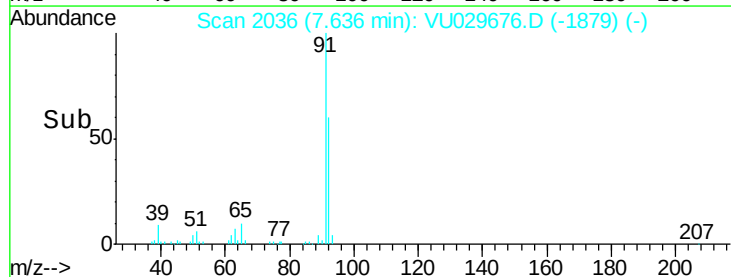
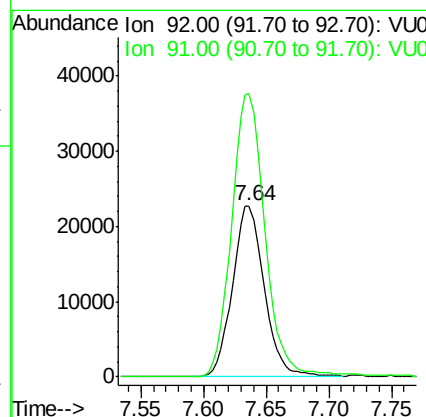
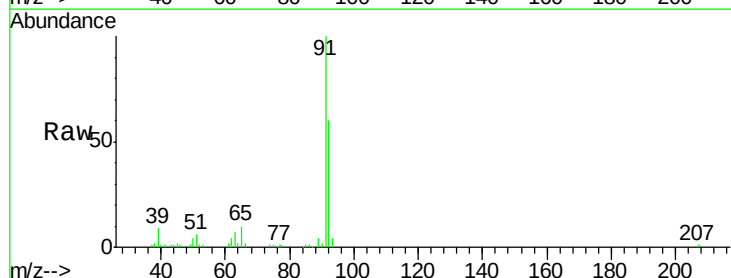
Manual Integrations
APPROVED

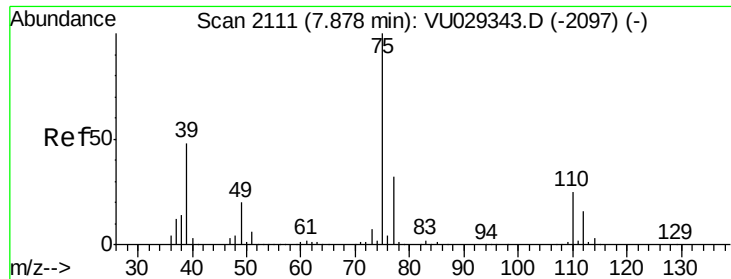
MMDadoda
3/5/2019 9:32:04 AM



#49
Toluene
Concen: 0.978 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	140.7	211.1





#50

t-1,3-Dichloropropene

Concen: 0.787 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 75 Resp: 17484

Ion Ratio Lower Upper

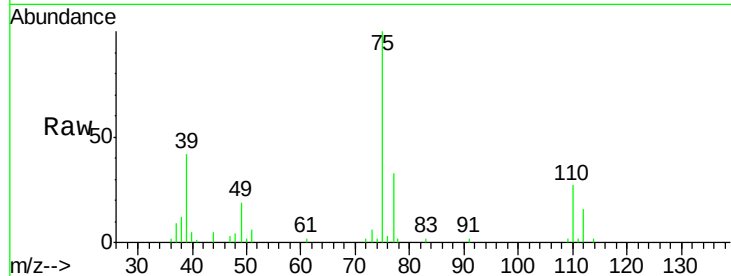
75 100

77 32.6 23.6 35.4

Manual Integrations
APPROVED

MMDadoda

3/5/2019 9:32:04 AM

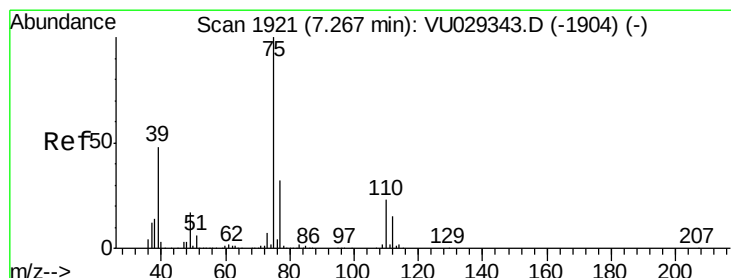
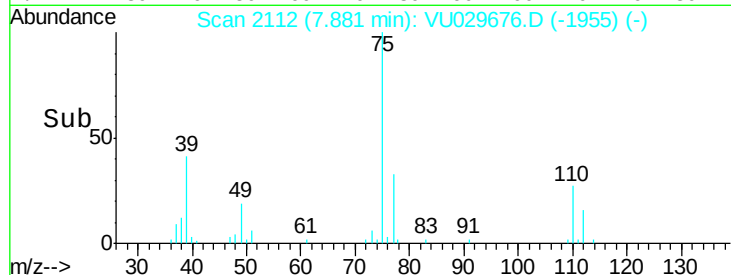


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

Time-->



#51

cis-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

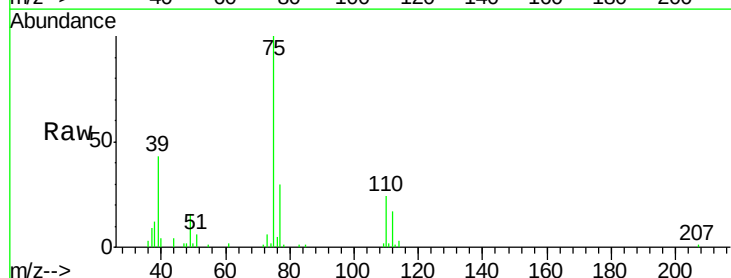
Tgt Ion: 75 Resp: 22234

Ion Ratio Lower Upper

75 100

77 29.9 24.9 37.3

39 42.6 47.2 70.8#



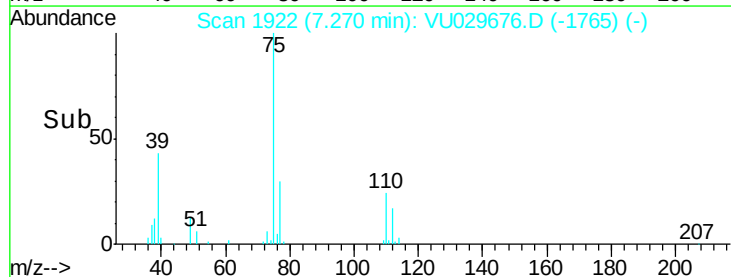
Abundance Ion 75.00 (74.70 to 75.70): VU0

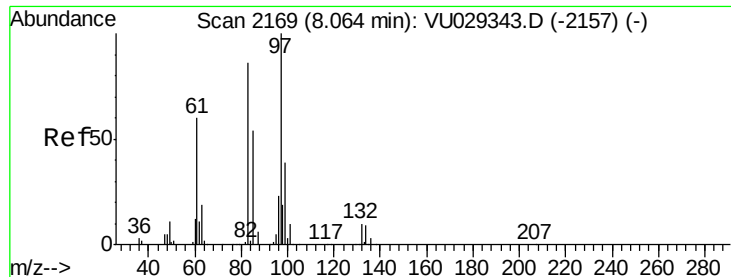
Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

Time-->





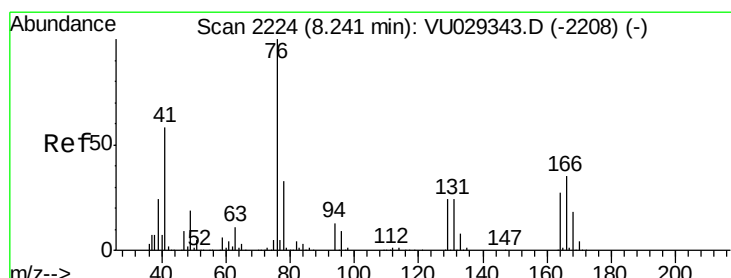
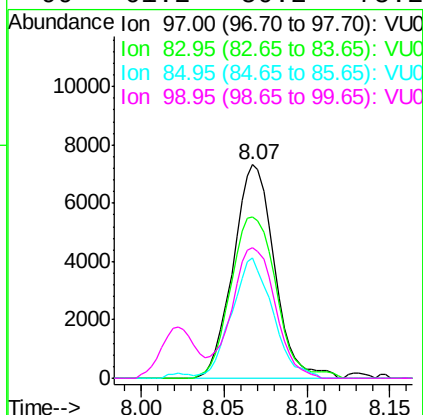
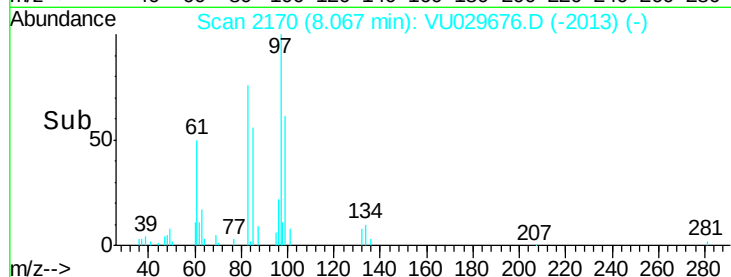
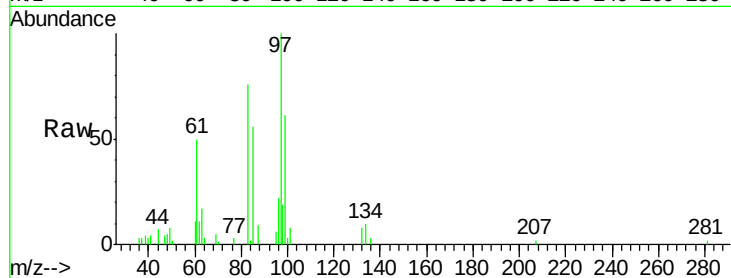
#52
 1,1,2-Trichloroethane
 Concen: 1.075 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion:	97	Resp:	12660
Ion	Ratio	Lower	Upper
97	100		
83	75.8	69.9	104.9
85	56.2	45.8	68.6
99	61.2	50.2	75.2

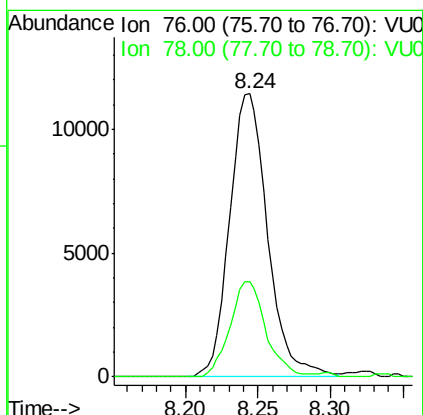
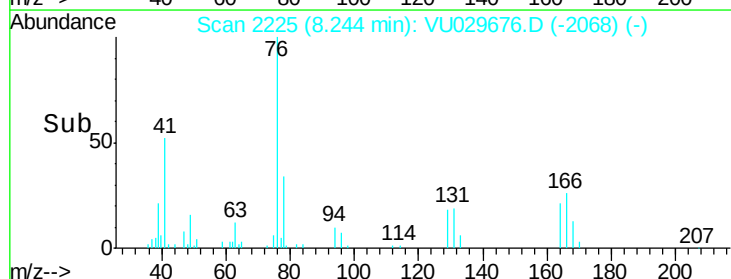
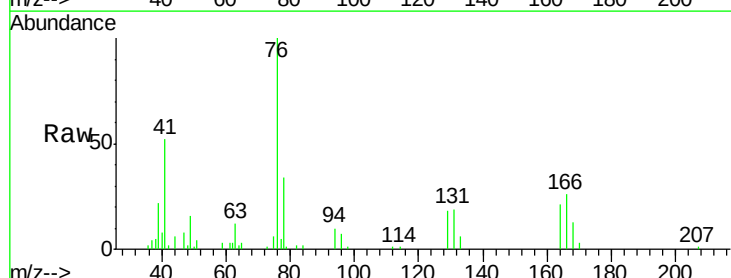
Manual Integrations
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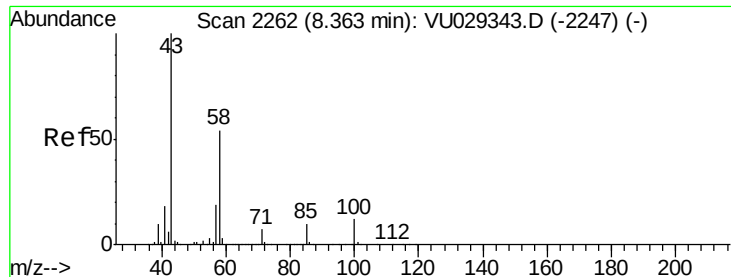
MMDadoda
 3/5/2019 9:32:04 AM



#53
 1,3-Dichloropropane
 Concen: 1.007 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion:	76	Resp:	20840
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.3	39.5





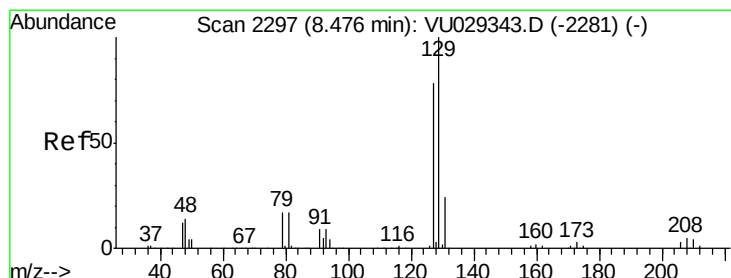
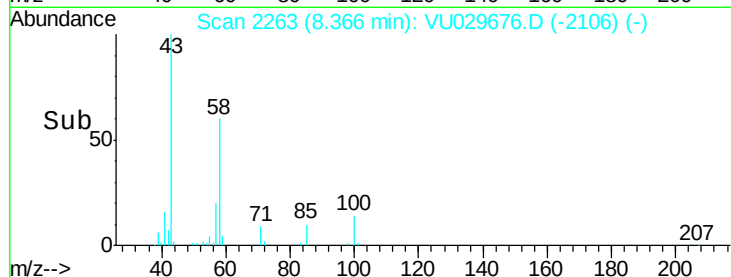
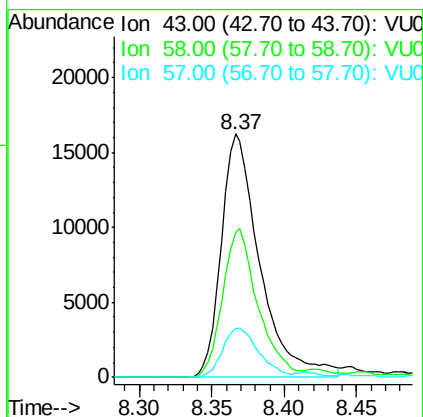
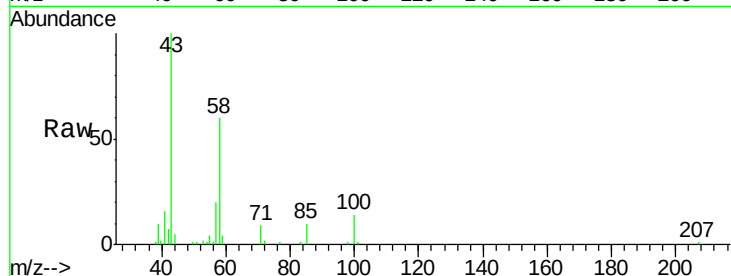
#54
2-Hexanone
Concen: 4.116 ug/l
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	26.0	66.0
57	18.9	0.0	37.7

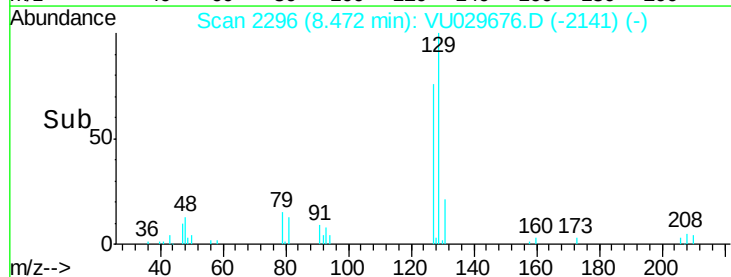
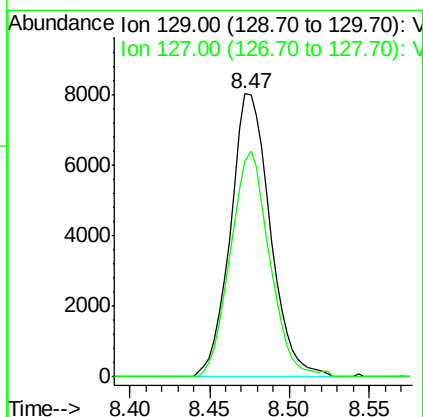
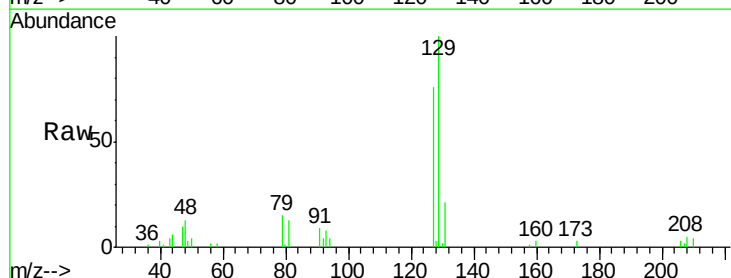
Manual Integrations
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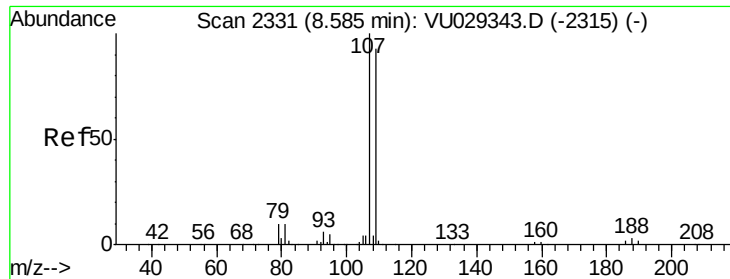
MMDadoda
3/5/2019 9:32:04 AM



#55
Dibromochloromethane
Concen: 0.812 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	60.5	90.7





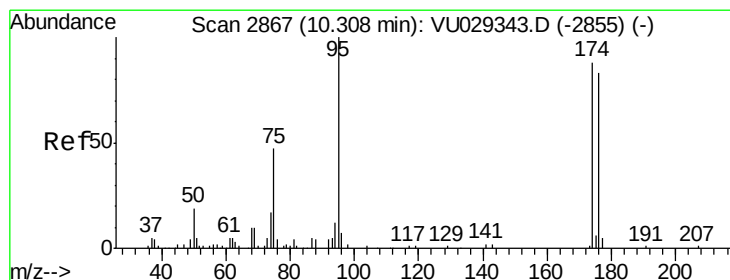
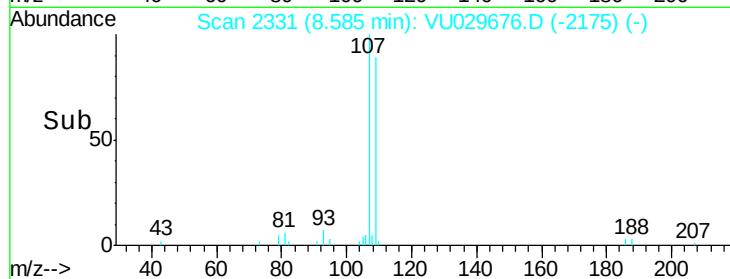
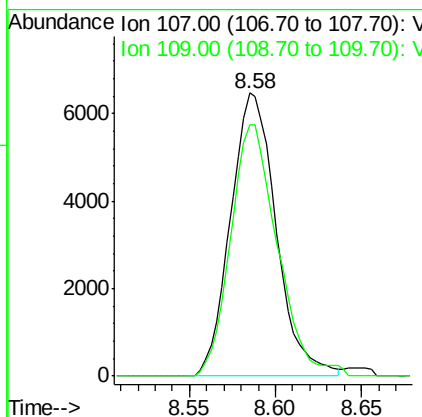
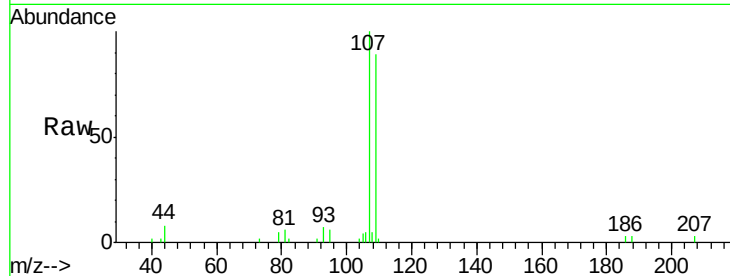
#56
 1,2-Dibromoethane
 Concen: 0.987 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	0.0	189.6

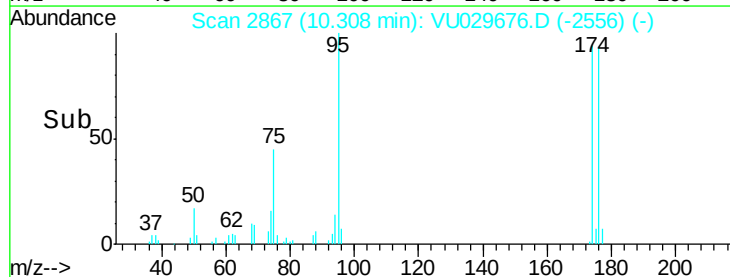
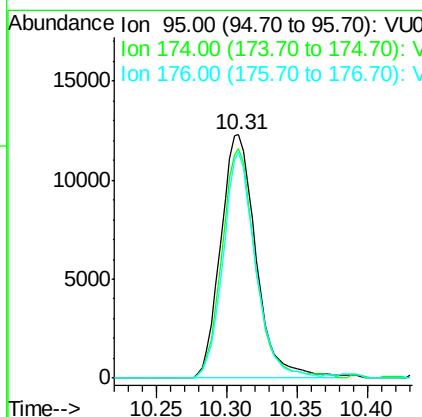
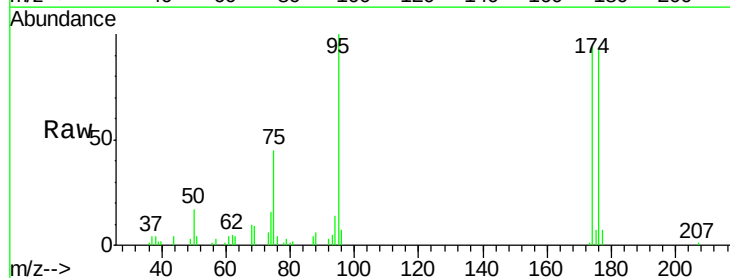
Manual Integrations
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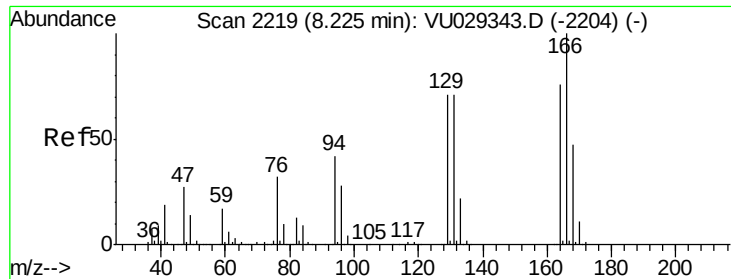
MMDadoda
 3/5/2019 9:32:04 AM



#57
 4-Bromofluorobenzene
 Concen: 0.987 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	64.2	96.2
176	85.2	62.3	93.5





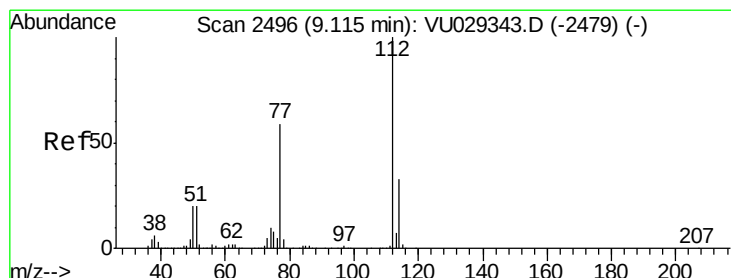
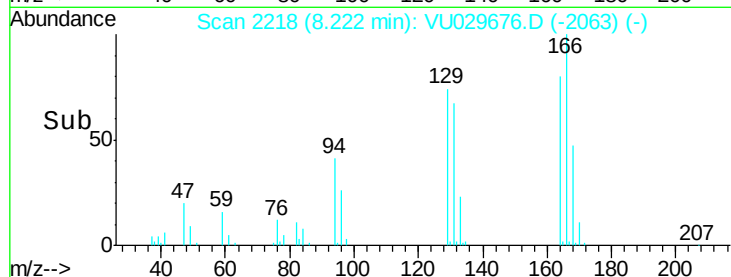
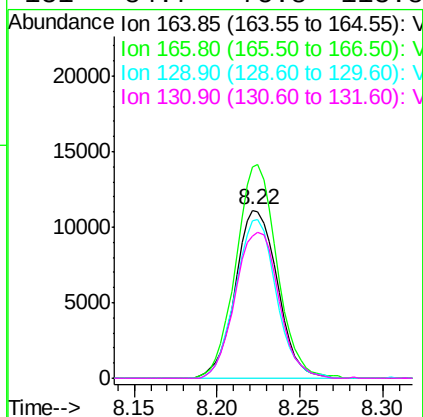
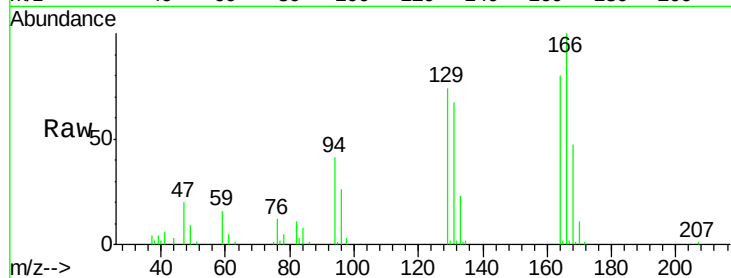
#58
Tetrachloroethene
Concen: 1.152 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.5	106.6	159.8
129	93.4	79.9	119.9
131	84.7	75.8	113.8

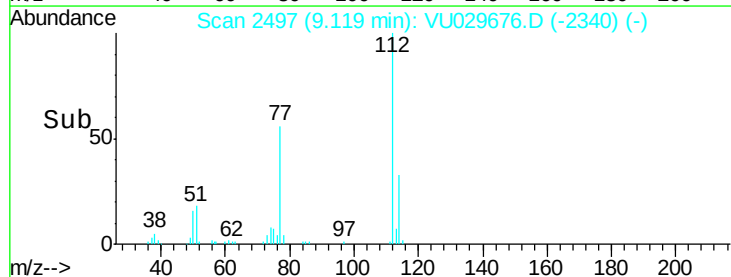
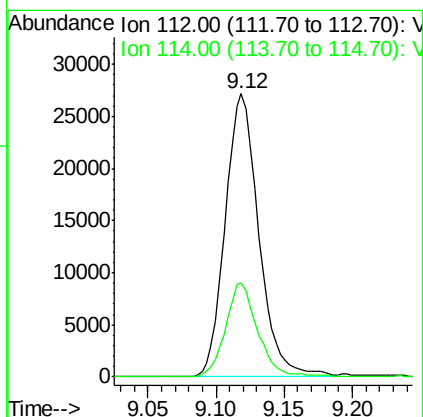
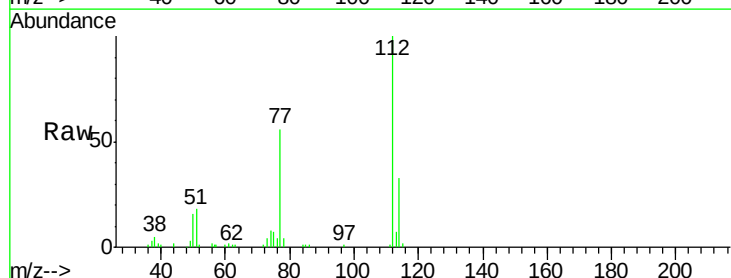
Manual Integrations
APPROVED

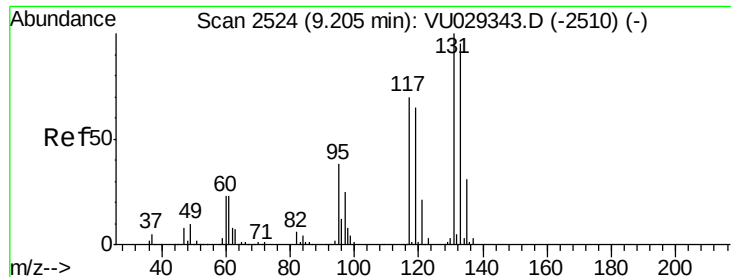
MMDadoda
3/5/2019 9:32:04 AM



#59
Chlorobenzene
Concen: 1.007 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	26.2	39.4





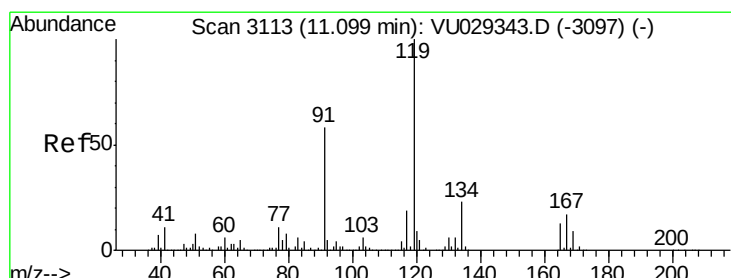
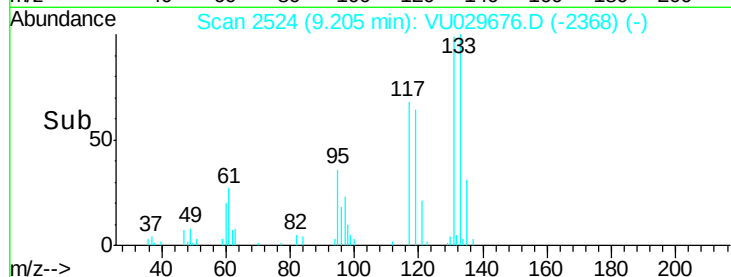
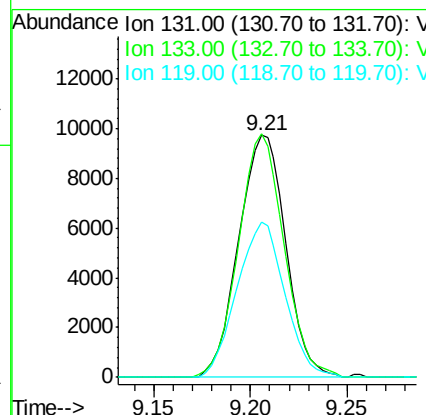
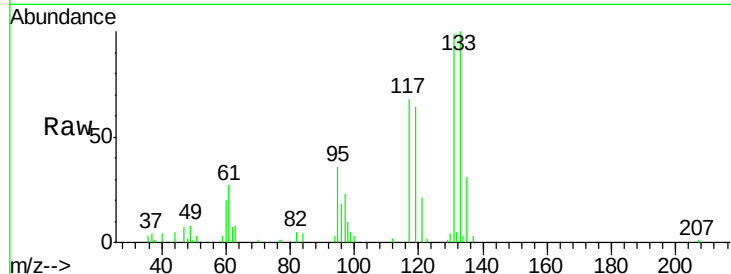
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.963 ug/l
 RT: 9.21 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
131	100	16455		
133	97.7	77.3	115.9	
119	65.4	48.9	73.3	

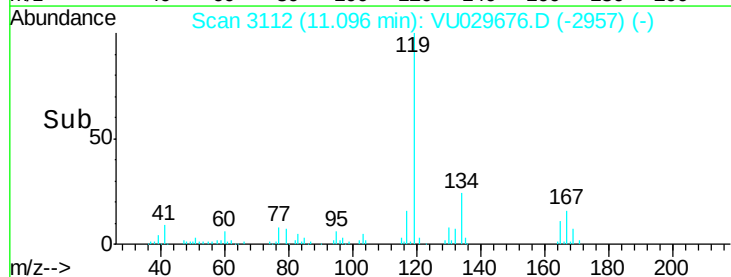
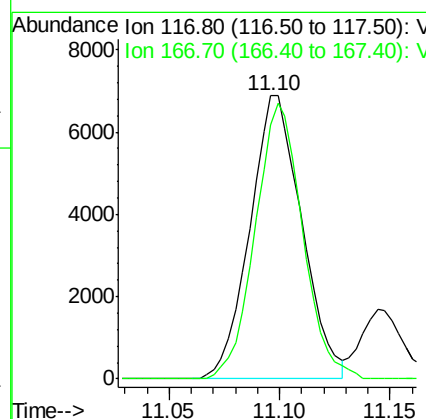
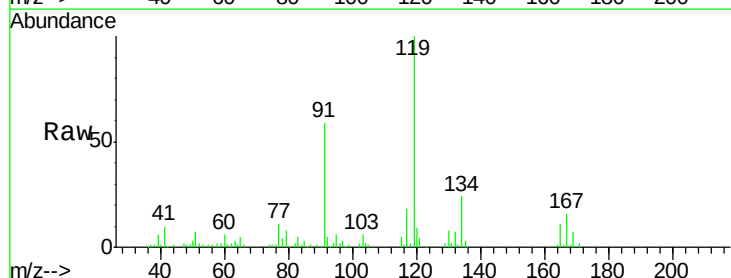
Manual Integrations
 APPROVED

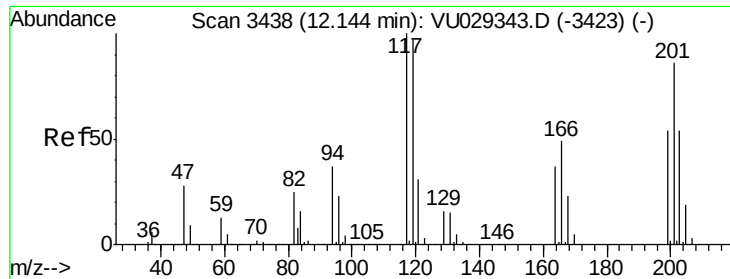
MMDadoda
 3/5/2019 9:32:04 AM



#61
 Pentachloroethane
 Concen: 0.848 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11239		
167	88.8	65.9	98.9	





#62

Hexachloroethane

Concen: 0.706 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:117 Resp: 10204

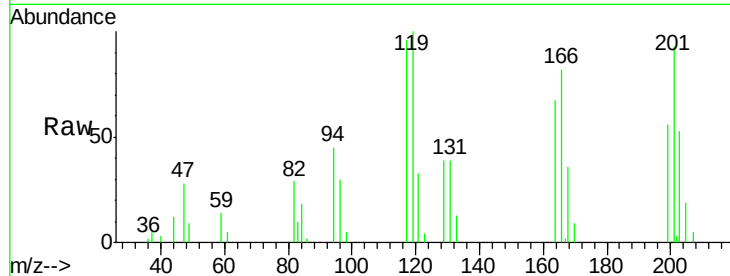
Ion Ratio Lower Upper

117 100

201 92.0 68.2 102.2

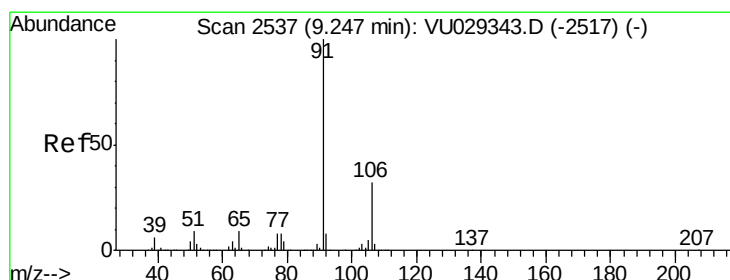
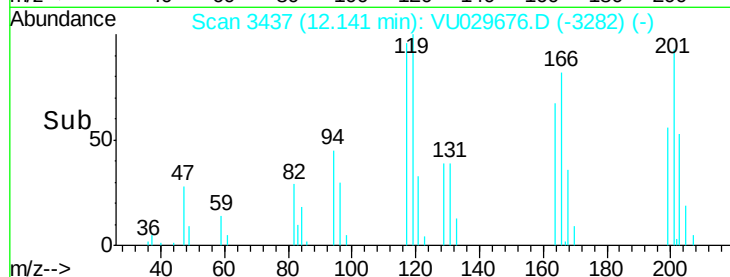
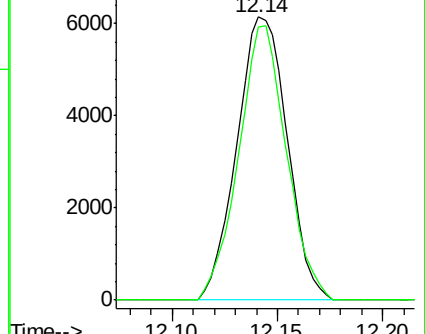
Manual Integrations
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MMDadoda
3/5/2019 9:32:04 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.932 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029676.D

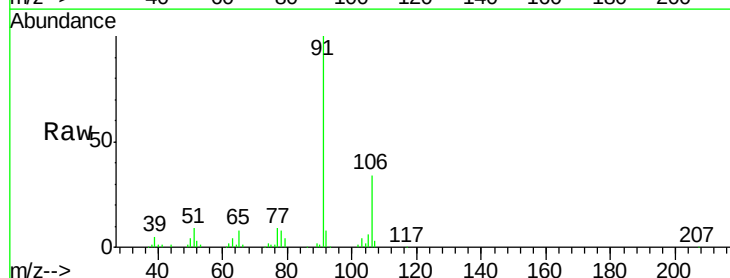
Acq: 26 Feb 2019 12:35

Tgt Ion: 91 Resp: 74884

Ion Ratio Lower Upper

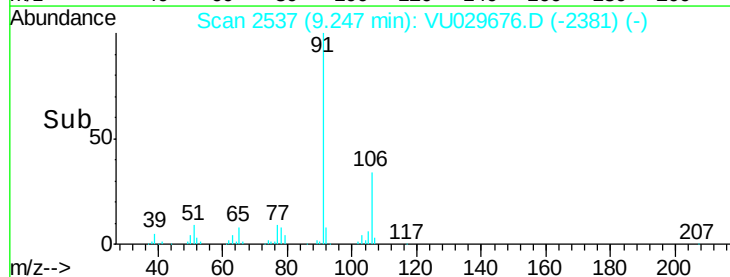
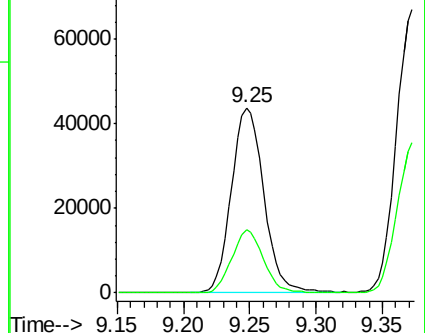
91 100

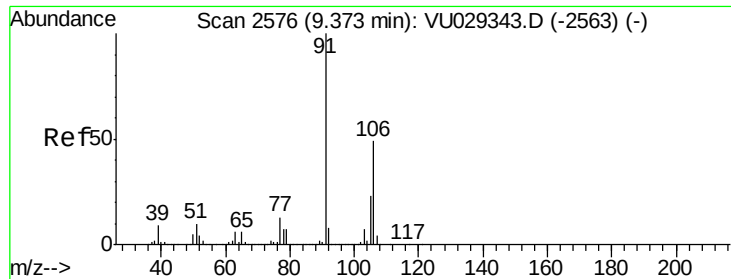
106 33.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 1.937 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:106 Resp: 60486

Ion Ratio Lower Upper

106 100

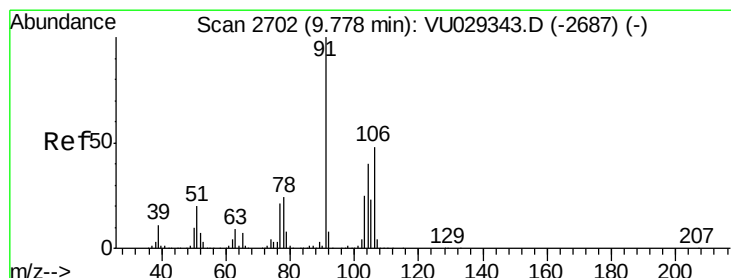
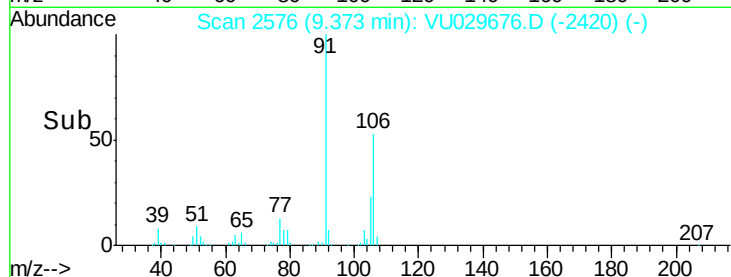
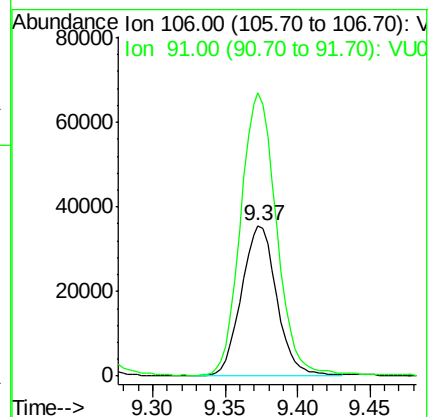
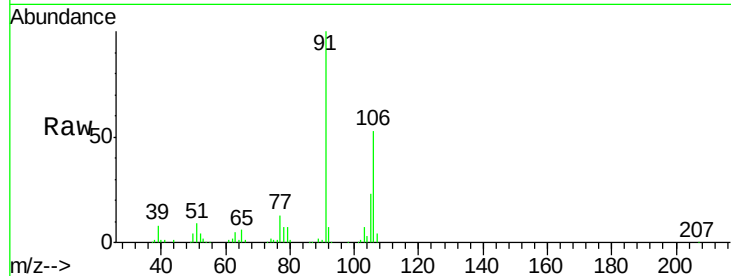
91 190.3 174.6 261.8

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:32:04 AM



#65

o-Xylene

Concen: 0.952 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029676.D

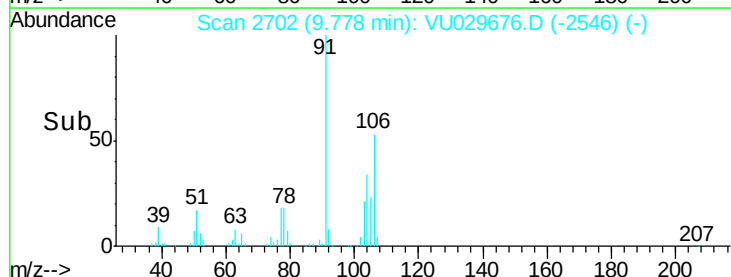
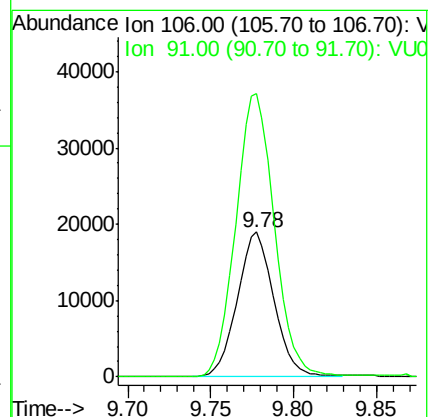
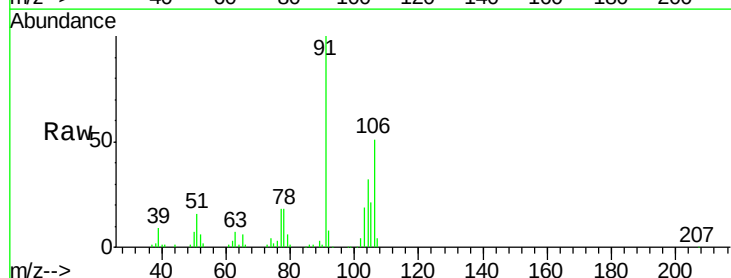
Acq: 26 Feb 2019 12:35

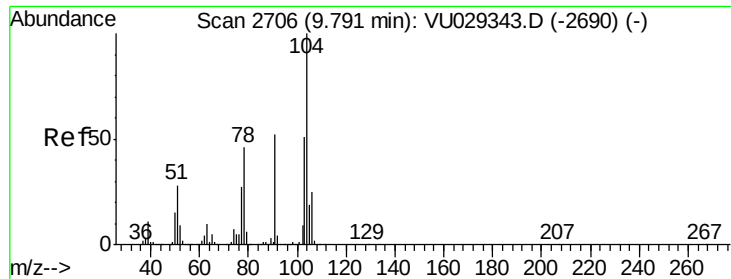
Tgt Ion:106 Resp: 29168

Ion Ratio Lower Upper

106 100

91 206.6 114.5 343.4





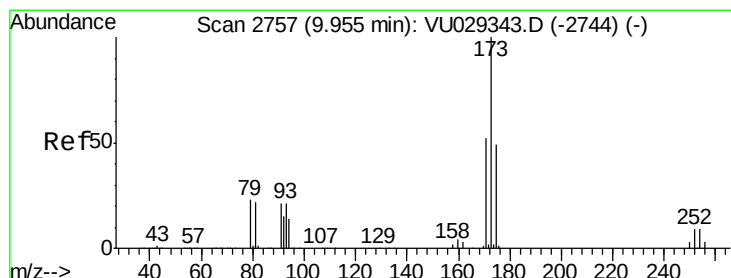
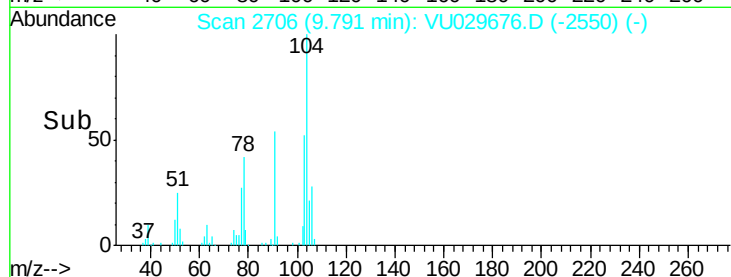
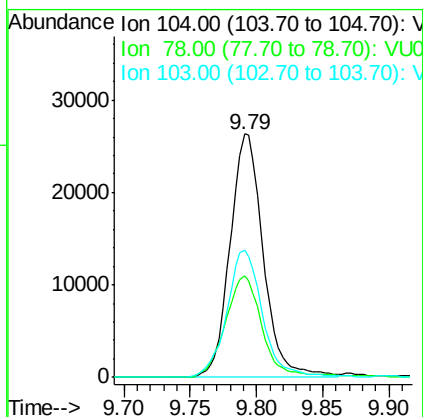
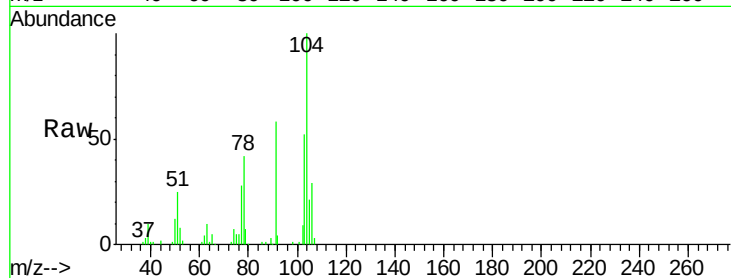
#66
Stvrene
Concen: 0.900 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.3	46.5	69.7#
103	56.0	44.7	67.1

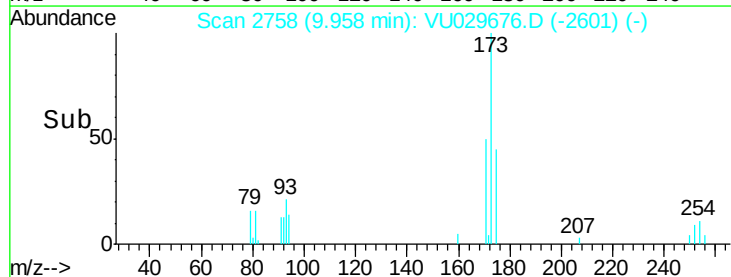
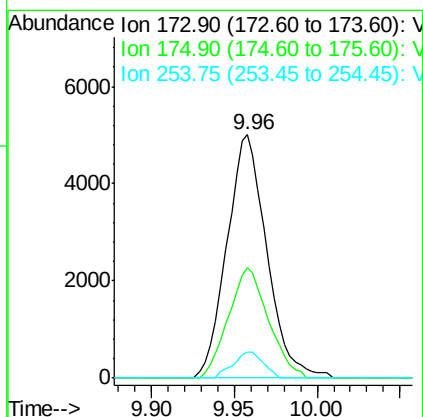
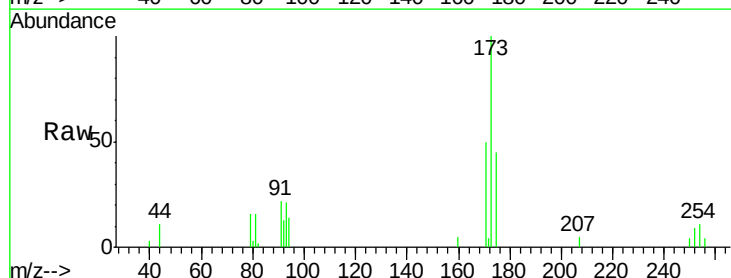
Manual Integrations
APPROVED

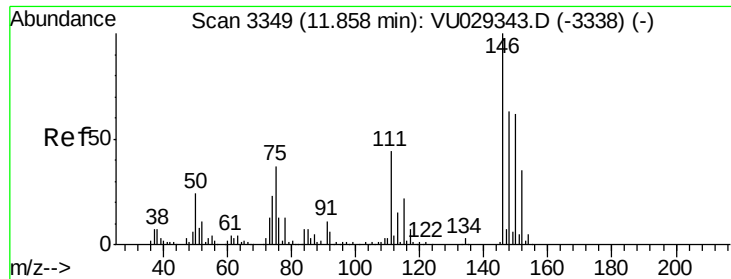
MMDadoda
3/5/2019 9:32:04 AM



#67
Bromoform
Concen: 0.804 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.4	38.9	58.3
254	8.1	7.4	11.2





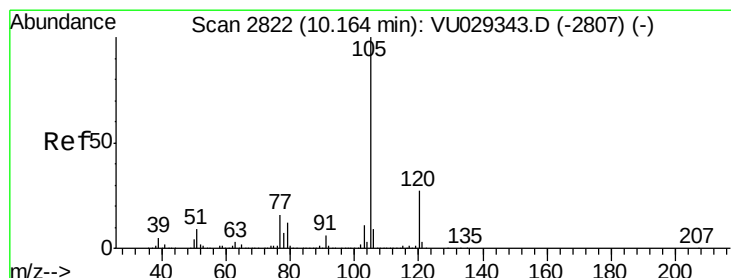
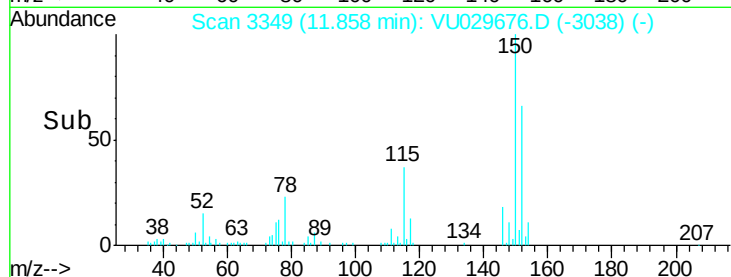
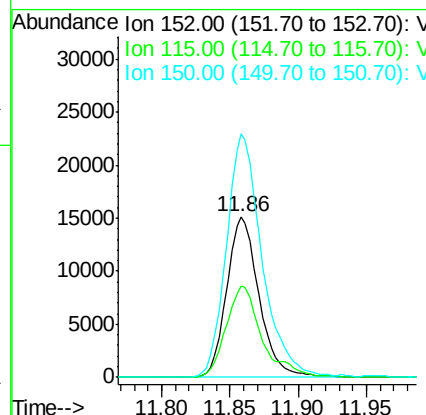
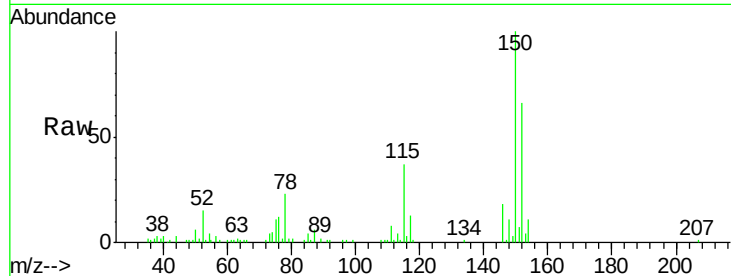
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.804 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.4	0.0	133.4
150	167.5	0.0	670.8

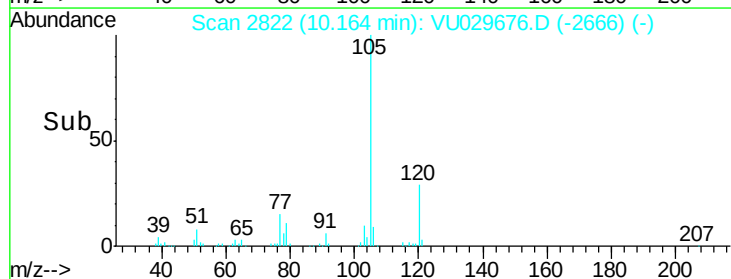
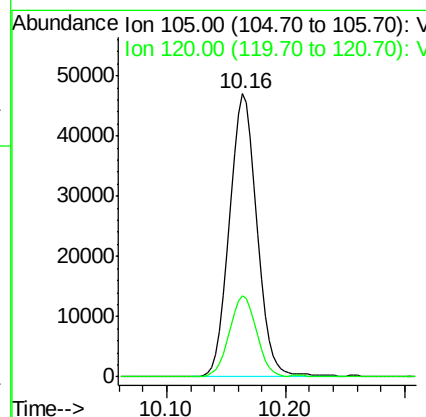
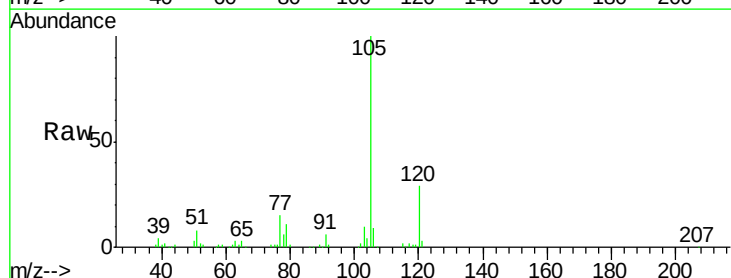
Manual Integrations
 APPROVED

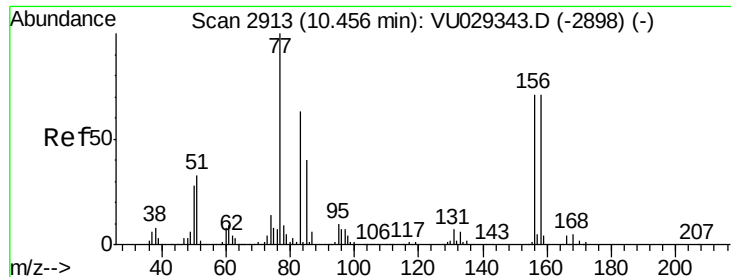
MMDadoda
 3/5/2019 9:32:04 AM



#69
 Isopropylbenzene
 Concen: 0.922 ug/l
 RT: 10.16 min Scan# 2822
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	12.6	37.6





#70

1,1,2,2-Tetrachloroethane

Concen: 0.975 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

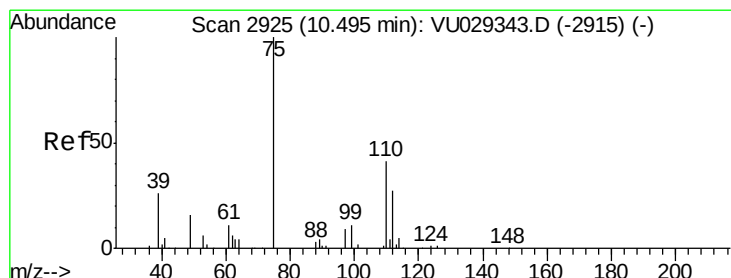
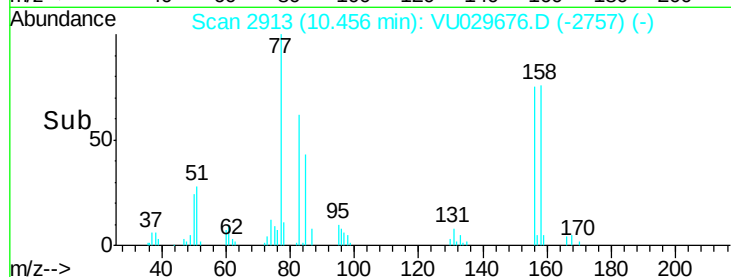
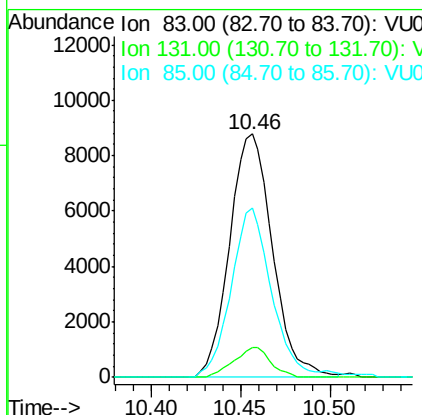
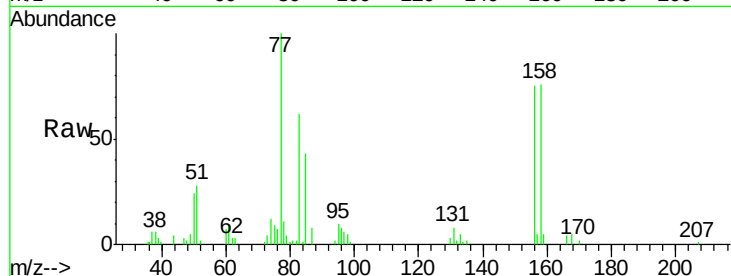
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	14713
Ion Ratio	Lower	Upper	
83	100		
131	10.5	8.1	12.1
85	66.1	50.3	75.5

Manual Integrations
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3/5/2019 9:32:04 AM



#71

1,2,3-Trichloropropane

Concen: 1.110 ug/l m

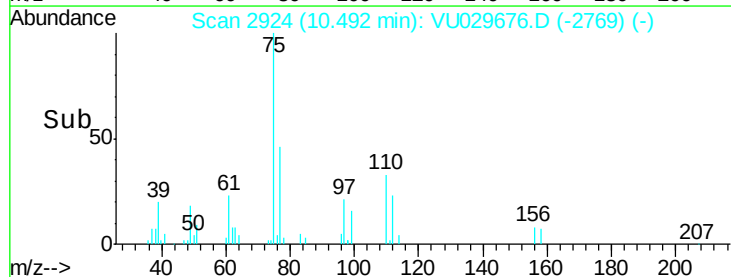
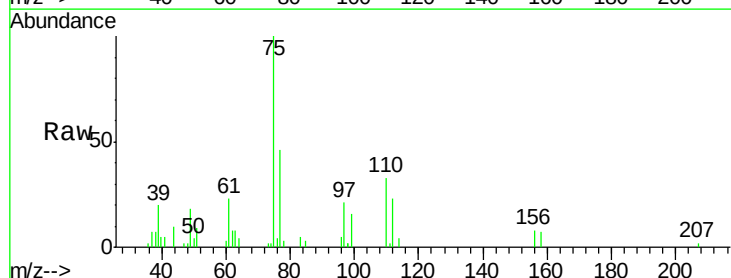
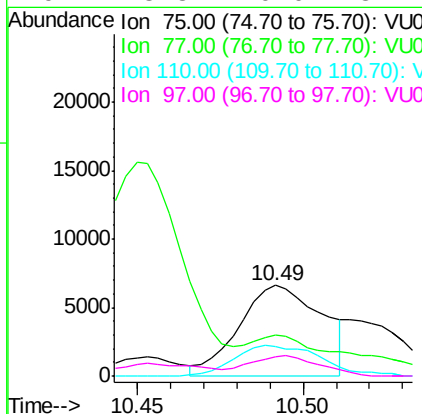
RT: 10.49 min Scan# 2924

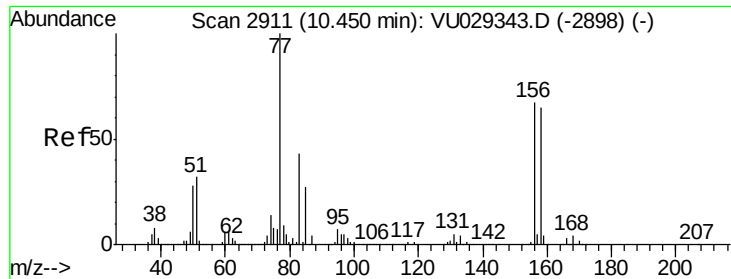
Delta R.T. -0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	75	Resp:	11509
Ion Ratio	Lower	Upper	
75	100		
77	55.5	0.0	0.0#
110	35.5	0.0	63.6
97	18.8	0.0	31.4





#72

Bromobenzene

Concen: 1.027 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

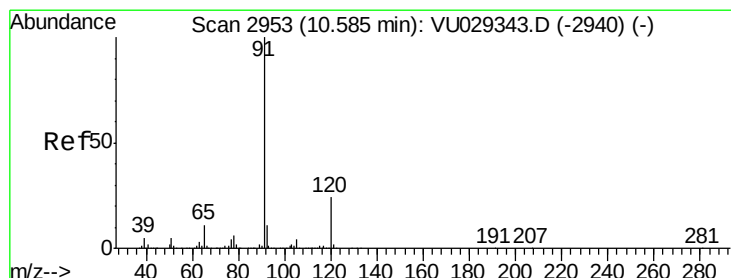
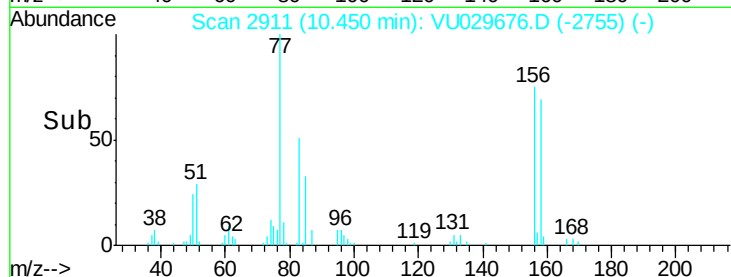
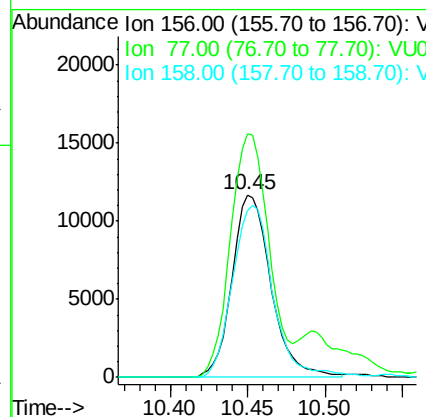
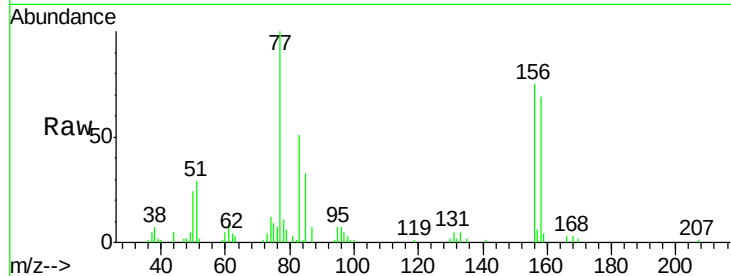
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.3	0.0	343.8
158	98.0	0.0	195.0

Manual Integrations
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3/5/2019 9:32:04 AM



#73

n-propylbenzene

Concen: 0.890 ug/l

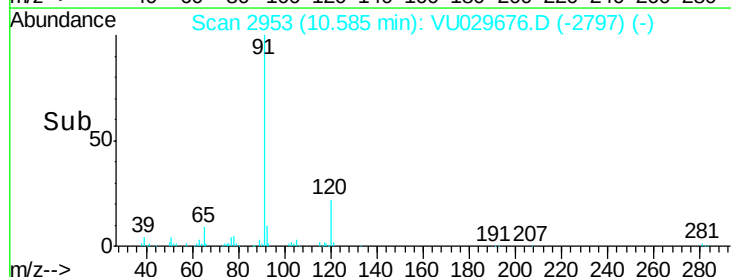
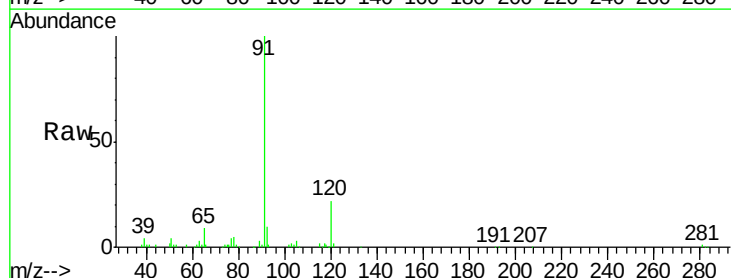
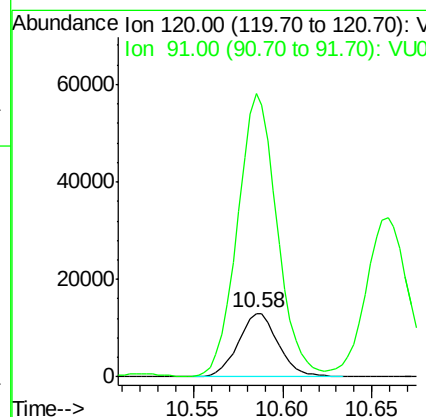
RT: 10.58 min Scan# 2953

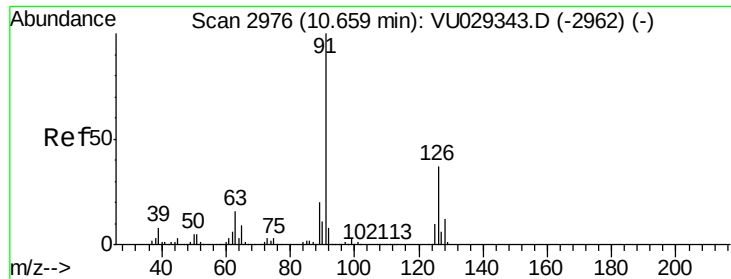
Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
120	100		
91	438.3	370.0	555.0





#74

2-Chlorotoluene

Concen: 0.982 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:126 Resp: 19074

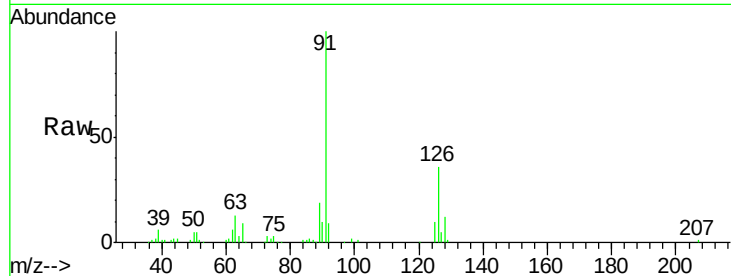
Ion Ratio Lower Upper

126 100

91 280.9 0.0 643.0

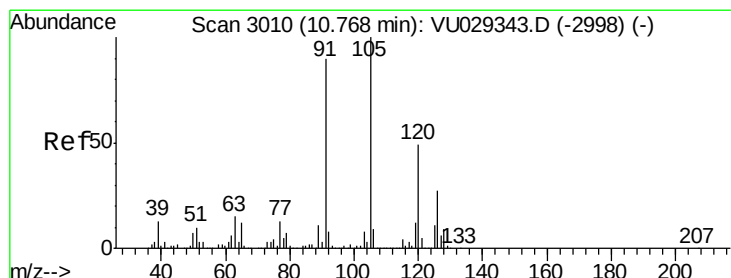
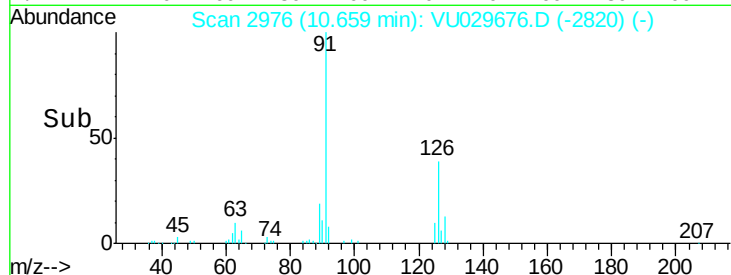
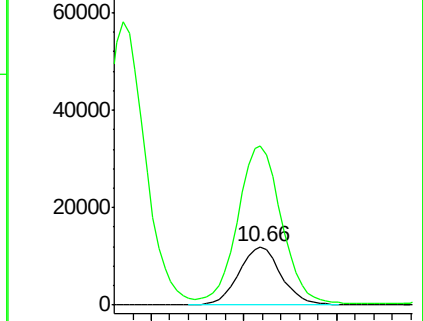
Manual Integrations
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3/5/2019 9:32:04 AM



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: 0.885 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029676.D

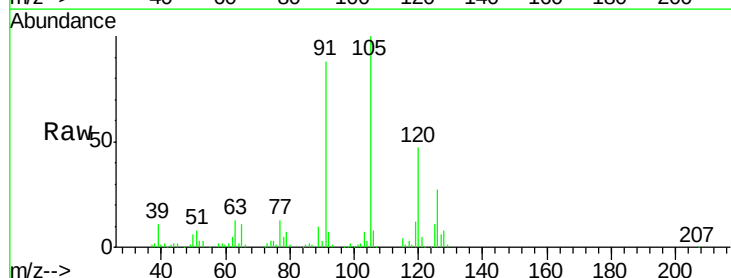
Acq: 26 Feb 2019 12:35

Tgt Ion:105 Resp: 62509

Ion Ratio Lower Upper

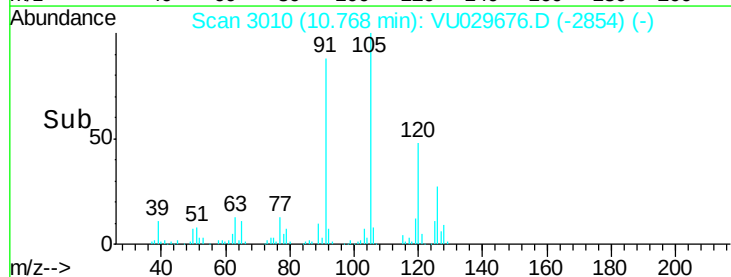
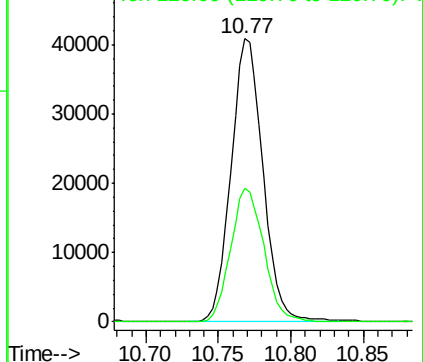
105 100

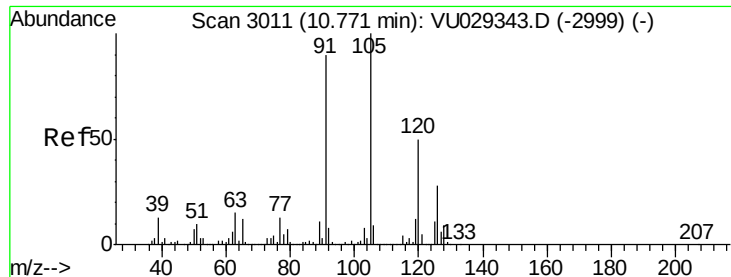
120 49.0 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





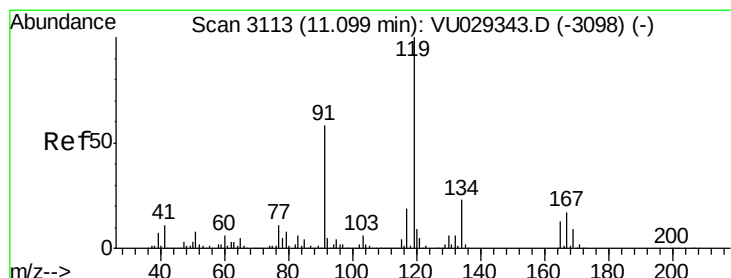
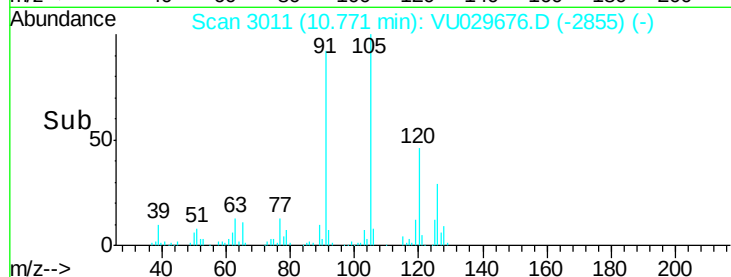
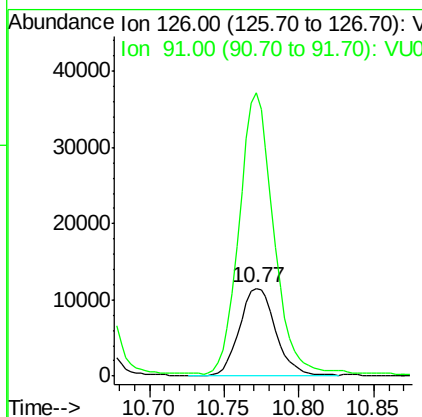
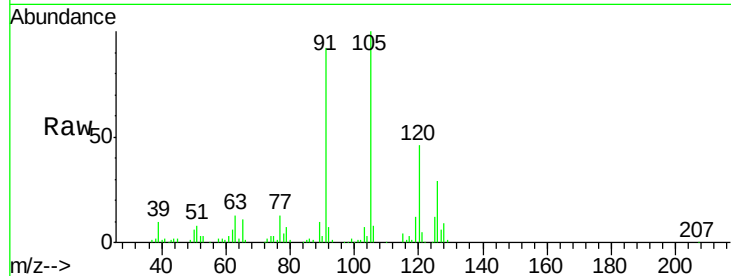
#76
4-Chlorotoluene
Concen: 0.974 ug/l
RT: 10.77 min Scan# 3011
Delta R.T. 0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
126	100		
91	299.8	0.0	727.4

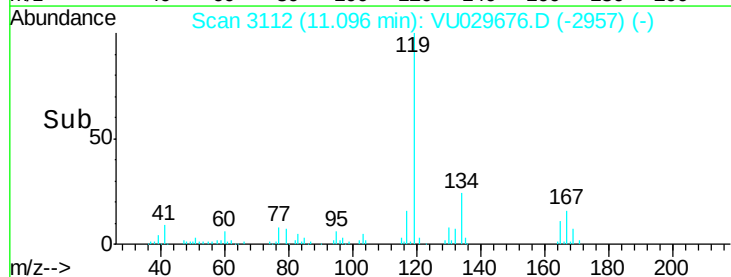
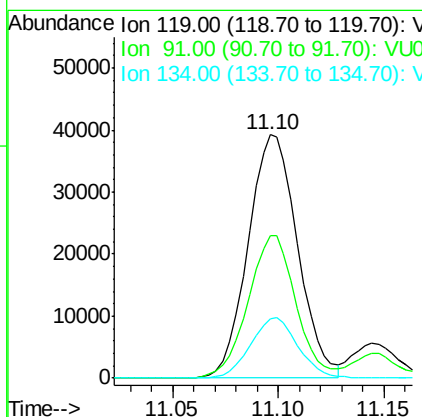
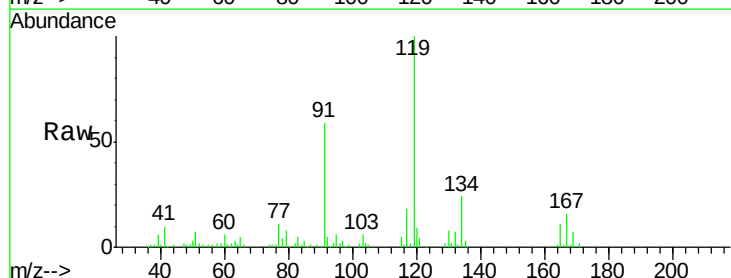
Manual Integrations
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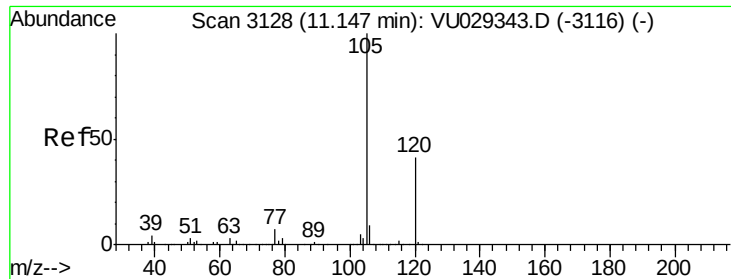
MMDadoda
3/5/2019 9:32:04 AM



#77
tert-Butylbenzene
Concen: 0.916 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029676.D
Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.5	32.2	96.6
134	23.7	17.6	26.4





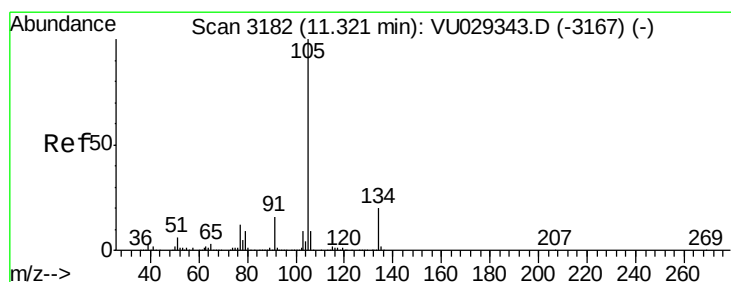
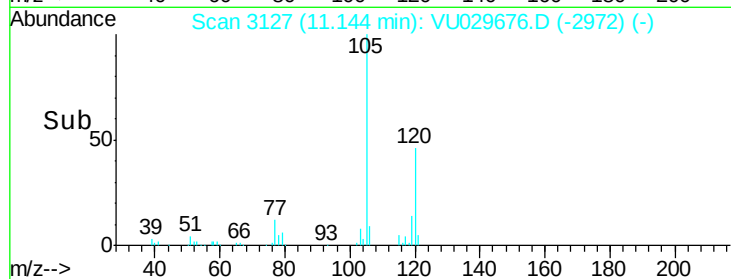
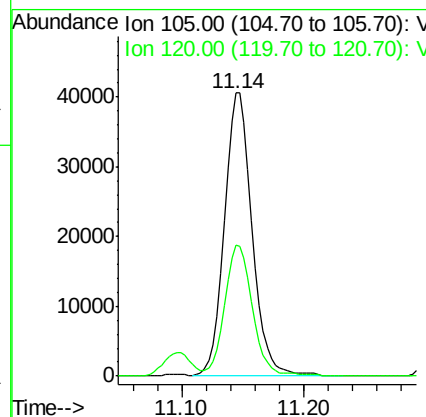
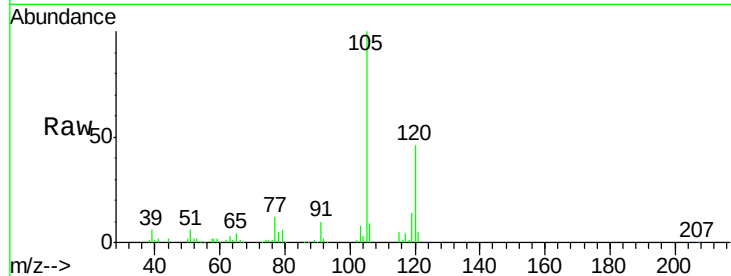
#78
 1,2,4-Trimethylbenzene
 Concen: 0.898 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.0	21.4	64.3

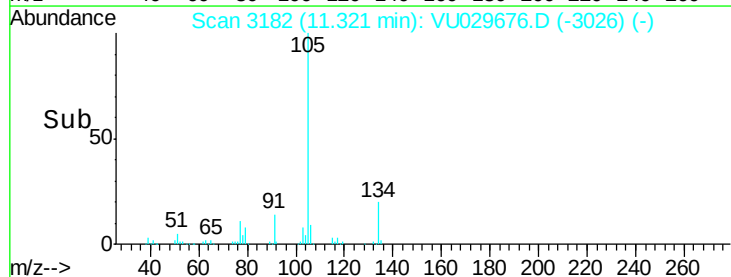
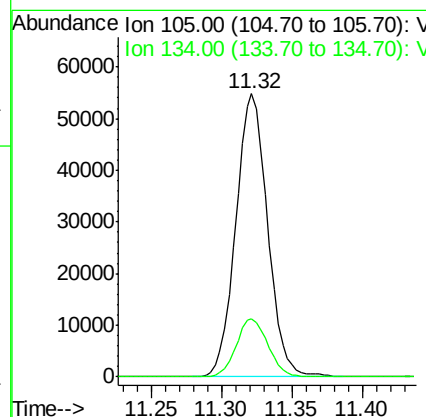
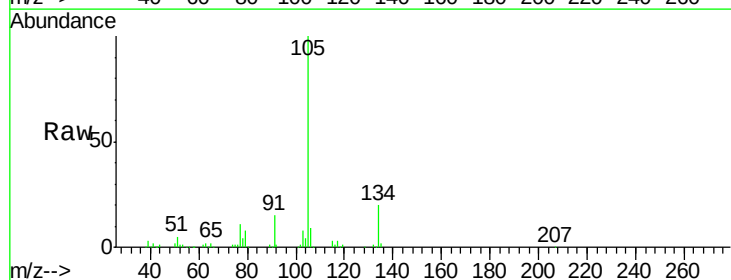
Manual Integrations
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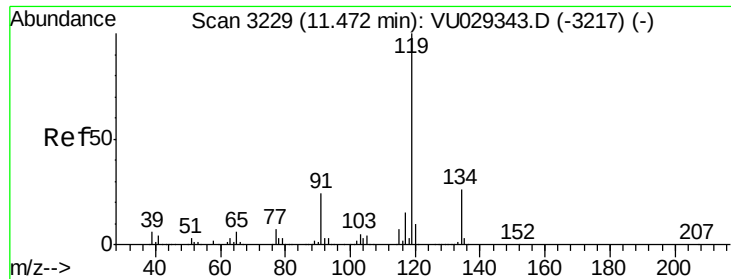
MMDadoda
 3/5/2019 9:32:04 AM



#79
 sec-Butylbenzene
 Concen: 0.948 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	15.0	22.6





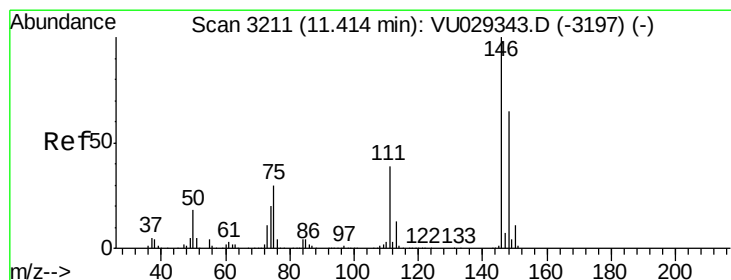
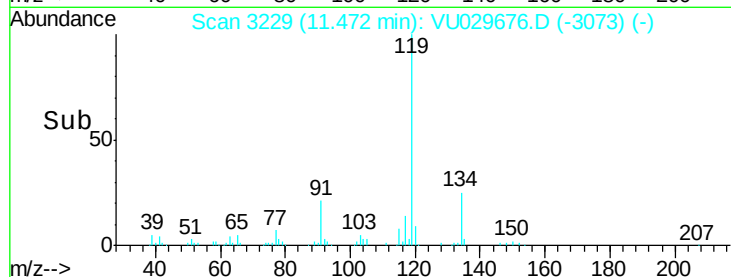
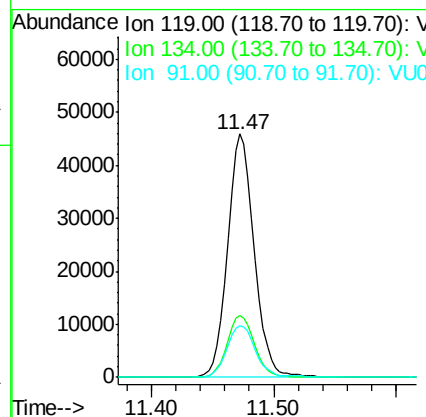
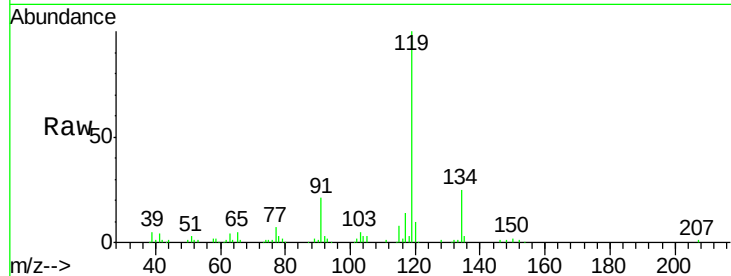
#81
 p-Isopropyltoluene
 Concen: 0.910 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	19.8	29.6
91	22.7	21.5	32.3

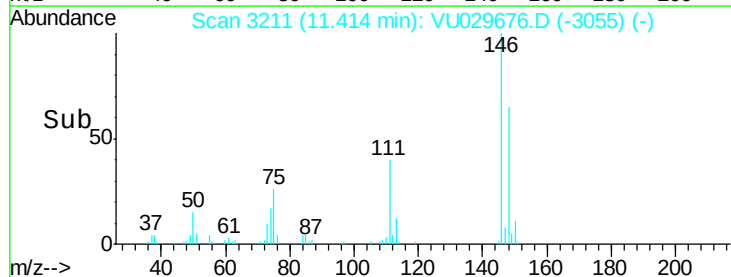
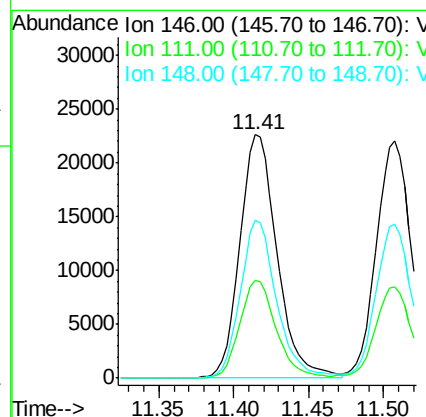
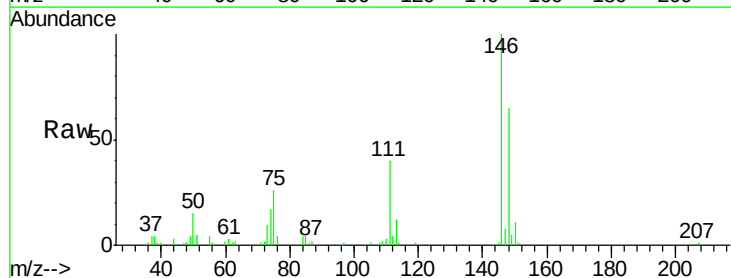
Manual Integrations
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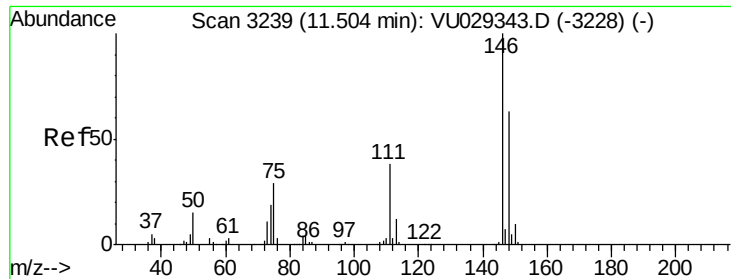
MMDadoda
 3/5/2019 9:32:04 AM



#82
 1,3-Dichlorobenzene
 Concen: 1.009 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	34.1	51.1
148	63.0	52.3	78.5





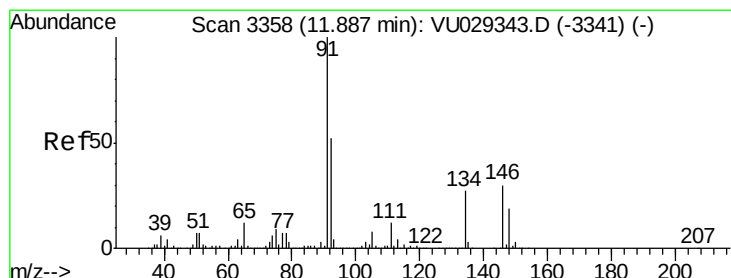
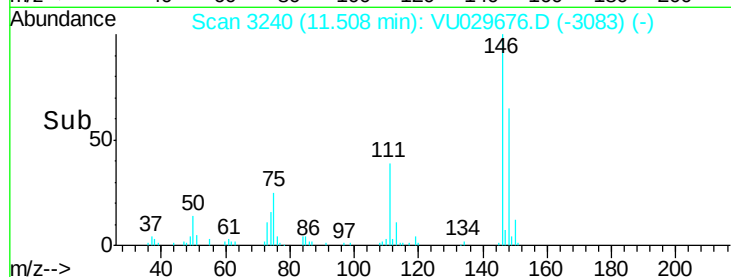
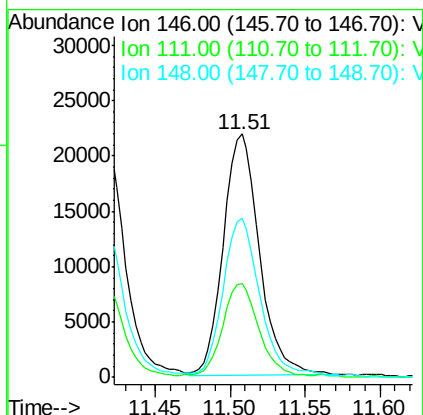
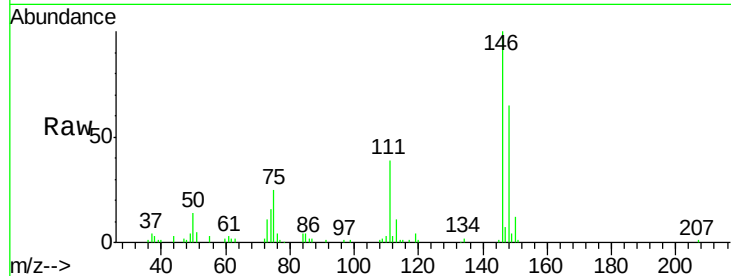
#83
 1,4-Dichlorobenzene
 Concen: 0.957 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	32.9	49.3
148	66.0	51.8	77.6

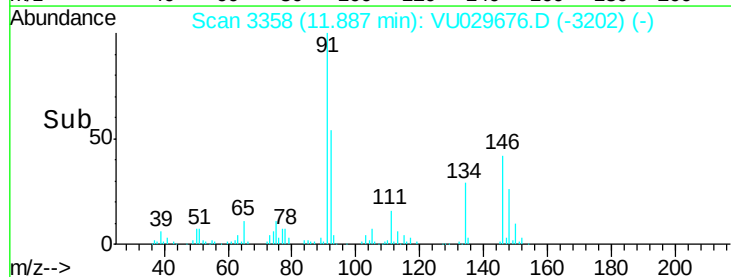
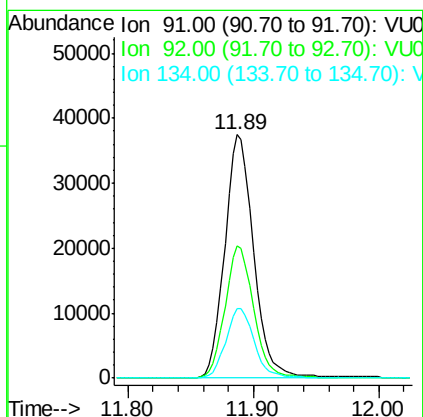
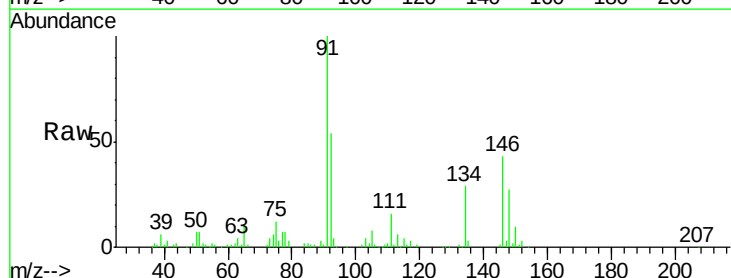
Manual Integrations
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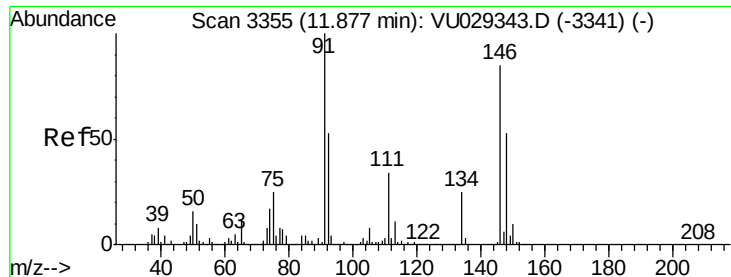
MMDadoda
 3/5/2019 9:32:04 AM



#84
 n-Butylbenzene
 Concen: 0.843 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	41.0	61.6
134	28.1	19.1	28.7





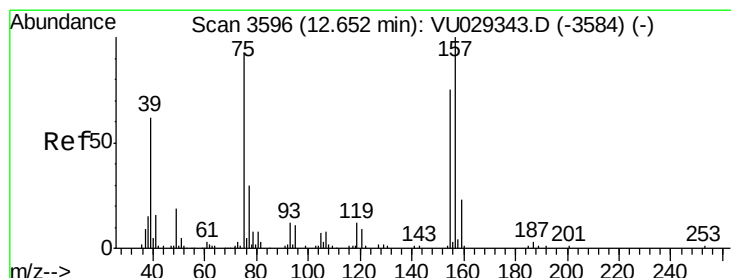
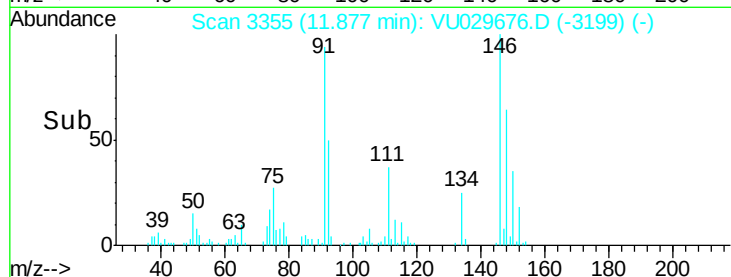
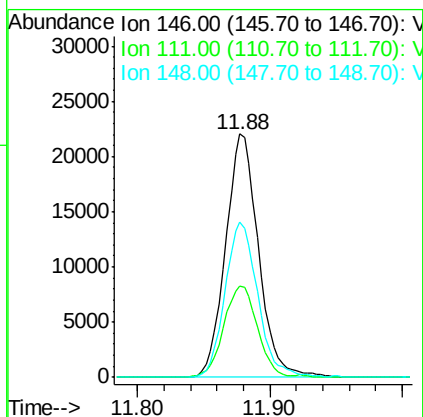
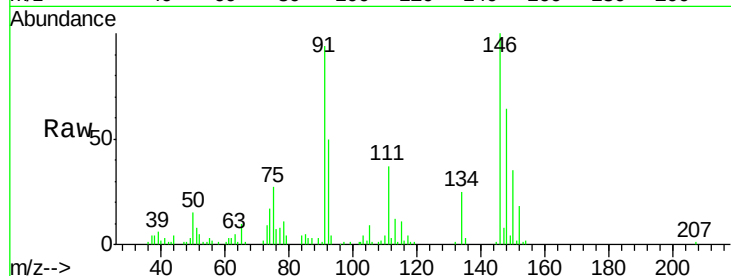
#85
 1,2-Dichlorobenzene
 Concen: 1.030 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.9	65.8
148	63.5	31.8	95.3

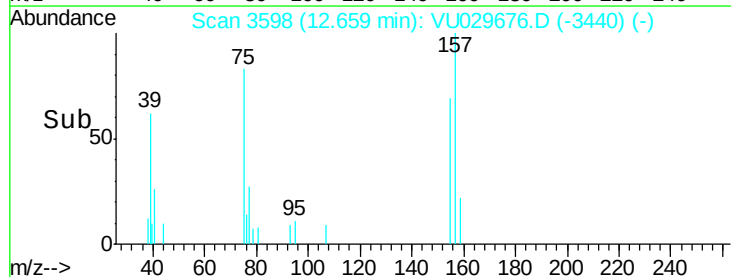
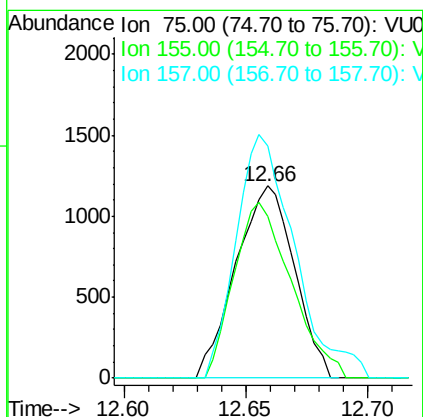
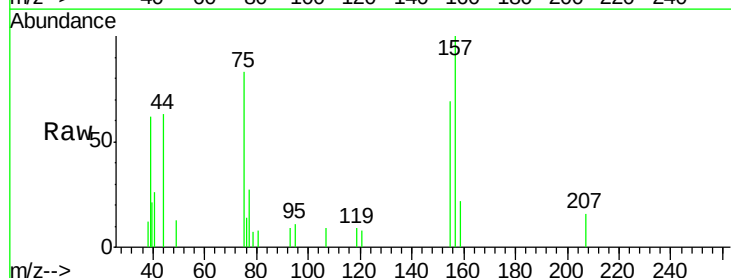
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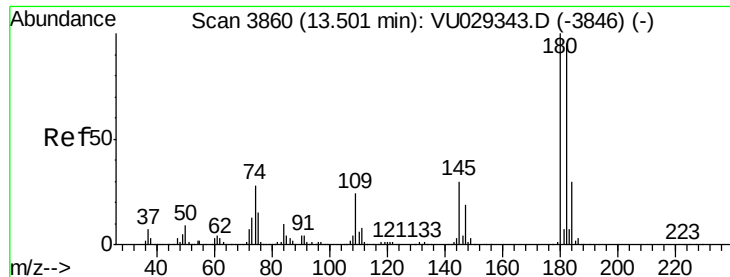
MMDadoda
 3/5/2019 9:32:04 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.700 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU029676.D
 Acq: 26 Feb 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	53.8	80.8#
157	127.4	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 0.911 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:180 Resp: 23569

Ion Ratio Lower Upper

180 100

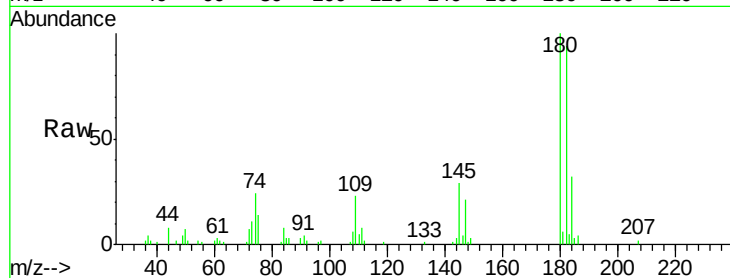
182 95.0 76.6 114.8

145 26.7 24.6 36.8

Manual Integrations
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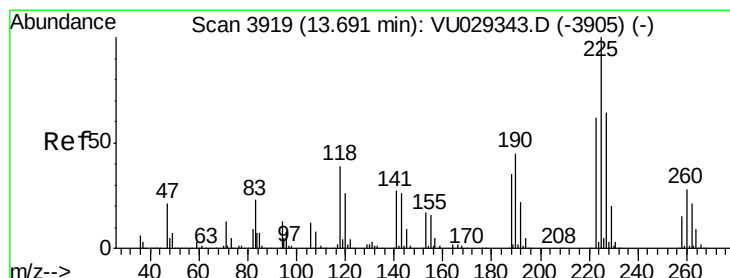
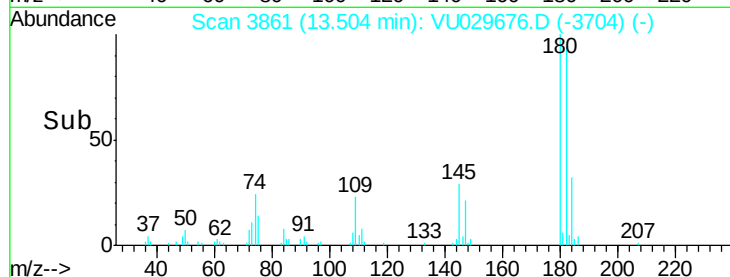
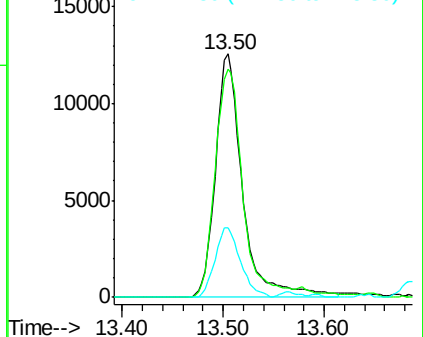
3/5/2019 9:32:04 AM



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.034 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

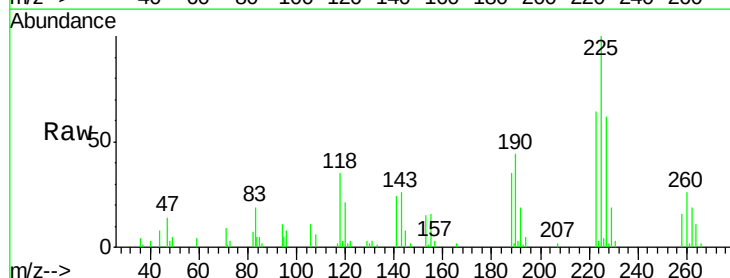
Tgt Ion:225 Resp: 15483

Ion Ratio Lower Upper

225 100

223 63.1 49.5 74.3

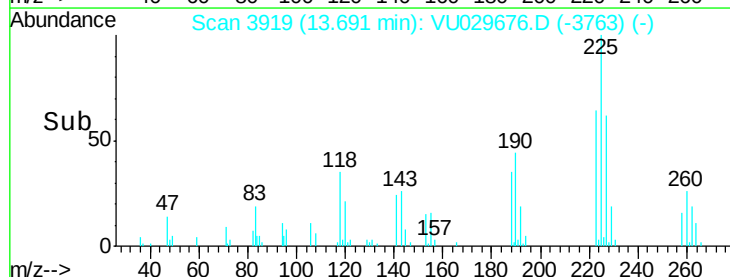
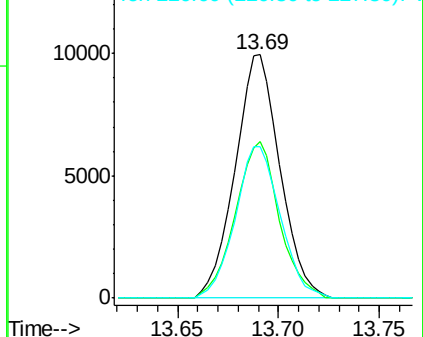
227 62.6 50.4 75.6

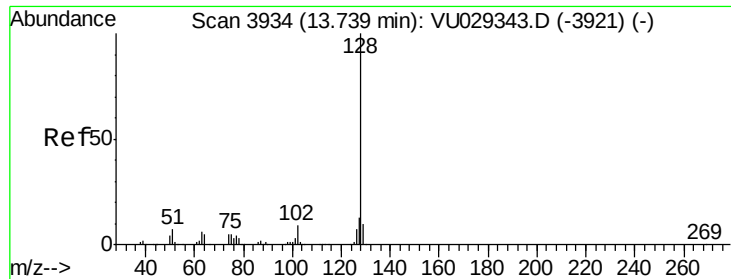


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.844 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Instrument :

MSVOA_U

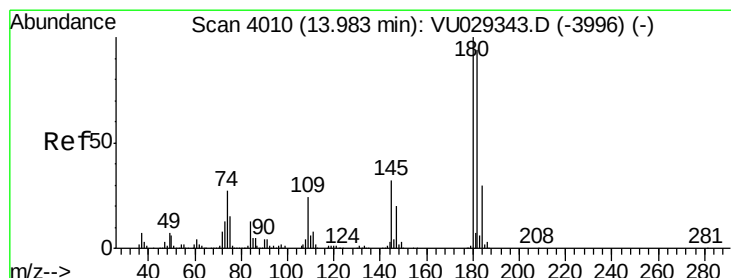
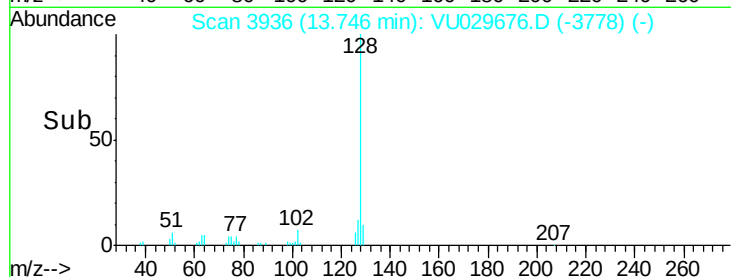
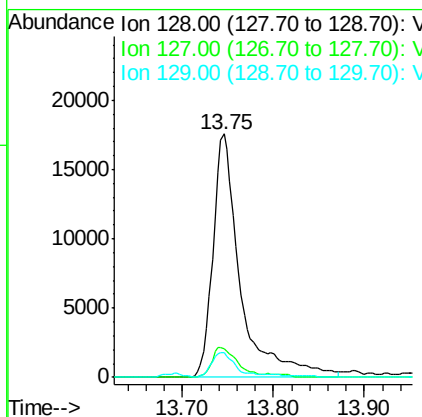
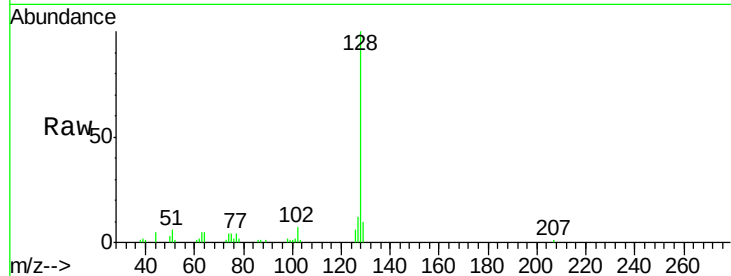
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	128	Resp:	37016
Ion Ratio	Lower	Upper	
128	100		
127	11.3	10.7	16.1
129	9.0	8.2	12.4

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 0.958 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029676.D

Acq: 26 Feb 2019 12:35

Tgt Ion:	180	Resp:	22639
Ion Ratio	Lower	Upper	
180	100		
182	95.9	78.0	117.0
145	31.9	26.6	39.8

