

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030819\
 Data File : VU029850.D
 Acq On : 07 Mar 2019 13:05
 Operator : JC/SP
 Sample : VU0308WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0308WBSD01

Manual Integrations
 APPROVED

MMDadoda

3/8/2019 11:47:54 AM

Quant Time: Mar 08 02:31:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	59032	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21496	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25516	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.21	85	36800	1.863	ug/l	98
3) Chloromethane	1.33	50	33001	1.876	ug/l	98
4) Vinyl Chloride	1.40	62	36850	1.862	ug/l	97
5) Bromomethane	1.63	94	24840	1.838	ug/l	100
6) Chloroethane	1.70	64	21975	1.852	ug/l	99
7) Trichlorofluoromethane	1.88	101	51646	1.915	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29929	1.908	ug/l	100
9) 1,1-Dichloroethene	2.28	96	29332	1.910	ug/l	99
10) Iodomethane	2.41	142	21626	1.769	ug/l	96
11) Allyl Chloride	2.59	41	39606	1.835	ug/l	99
12) Acrylonitrile	2.93	53	12861	3.841	ug/l	99
13) Acetone	2.32	43	24512	8.840	ug/l	98
14) Carbon Disulfide	2.47	76	91358	1.837	ug/l	99
15) Methylene Chloride	2.70	84	35009	1.900	ug/l	95
16) trans-1,2-Dichloroethene	2.97	96	33254	1.917	ug/l	97
17) 1,1-Dichloroethane	3.44	63	54990	1.895	ug/l	99
18) 2-Butanone	4.28	43	34972	9.280	ug/l	96
19) Cyclohexane	4.99	56	42447m	1.884	ug/l	
20) Methylcyclohexane	6.41	83	48279	1.840	ug/l	99
21) 2,2-Dichloropropane	4.22	77	43552	1.836	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	35252	1.918	ug/l	98
23) Diethyl Ether	2.10	59	21668	1.882	ug/l	97
24) tert-Butyl Alcohol	2.84	59	23309	19.629	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	73808	1.909	ug/l	98
26) Bromochloromethane	4.54	128	15454	1.894	ug/l	99
27) Chloroform	4.67	83	55268	1.881	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	46907	1.883	ug/l	99
29) 1,1-Dichloropropene	5.13	75	40879	1.846	ug/l	99
30) Carbon Tetrachloride	5.13	117	40200	1.849	ug/l	98
31) Isopropyl Ether	3.58	45	76075	1.901	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	73138	1.880	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	69294	1.926	ug/l	99
34) Propionitrile	4.33	54	10766	9.604	ug/l #	92
35) Benzene	5.39	78	123808	1.898	ug/l	98
36) 1,2-Dichloroethane	5.40	62	34847	1.956	ug/l	99
37) Trichloroethene	6.18	130	36438	1.913	ug/l	96
38) 1,2-Dichloropropane	6.43	63	31509	1.908	ug/l	97
39) Methacrylonitrile	4.55	41	8606	1.825	ug/l	94
40) Methyl acrylate	4.43	55	12780	1.715	ug/l #	96
41) Tetrahydrofuran	4.65	42	8147	3.303	ug/l	96
42) 1-Chlorobutane	5.06	56	53201	1.881	ug/l	99

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Manual Integrations
 APPROVED

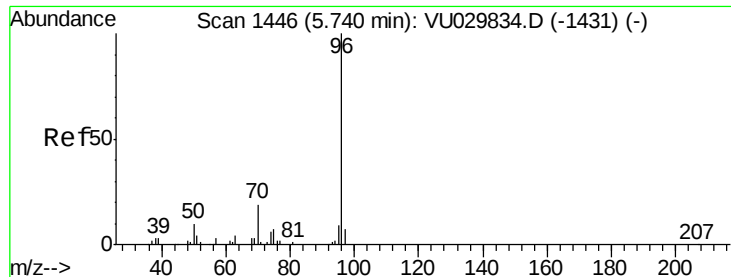
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3/8/2019 11:47:54 AM

Quant Time: Mar 08 02:31:43 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15895	1.857	ug/l	95
44) Bromodichloromethane	6.76	83	38845	1.848	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	83636	9.371	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	13589m	3.642	ug/l	
47) Methyl methacrylate	6.63	69	27249	3.711	ug/l	98
48) Ethyl methacrylate	8.02	69	25824	1.835	ug/l	99
49) Toluene	7.63	92	74896	1.870	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	32253	1.751	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	41457	1.818	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	24609	1.943	ug/l	96
53) 1,3-Dichloropropane	8.24	76	39066	1.880	ug/l	100
54) 2-Hexanone	8.37	43	55873	9.014	ug/l	95
55) Dibromochloromethane	8.47	129	27701	1.843	ug/l	98
56) 1,2-Dibromoethane	8.58	107	22457	1.870	ug/l	99
58) Tetrachloroethene	8.22	164	38199	1.964	ug/l	98
59) Chlorobenzene	9.12	112	86357	1.876	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	30912	1.872	ug/l	100
61) Pentachloroethane	11.10	117	20837	1.812	ug/l	94
62) Hexachloroethane	12.14	117	21957	1.815	ug/l	99
63) Ethyl Benzene	9.25	91	136646	1.812	ug/l	98
64) m/p-Xylenes	9.37	106	109688	3.679	ug/l	98
65) o-Xylene	9.77	106	53538	1.870	ug/l	98
66) Styrene	9.79	104	87613	1.842	ug/l	98
67) Bromoform	9.96	173	16402	1.858	ug/l	100
69) Isopropylbenzene	10.16	105	139204	1.833	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	29720	1.924	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	20559m	1.791	ug/l	
72) Bromobenzene	10.45	156	37873	1.884	ug/l	94
73) n-propylbenzene	10.58	120	40365	1.891	ug/l	95
74) 2-Chlorotoluene	10.66	126	36091	1.906	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	117910	1.843	ug/l	99
76) 4-Chlorotoluene	10.77	126	36830	1.908	ug/l	95
77) tert-Butylbenzene	11.10	119	116818	1.846	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	117587	1.819	ug/l	99
79) sec-Butylbenzene	11.32	105	158711	1.892	ug/l	100
80) Nitrobenzene	12.88	77	1638	5.841	ug/l #	83
81) p-Isopropyltoluene	11.47	119	128790	1.834	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	73889	1.856	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	73648	1.894	ug/l	97
84) n-Butylbenzene	11.89	91	115916	1.812	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	70222	1.871	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4119	1.868	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	42731	1.778	ug/l	100
88) Hexachlorobutadiene	13.69	225	28183	1.862	ug/l	98
89) Naphthalene	13.74	128	63513	1.761	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	40046	1.774	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

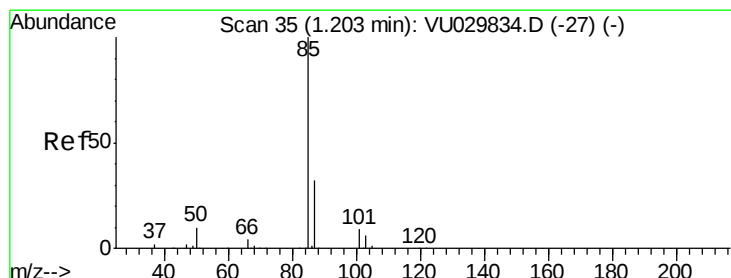
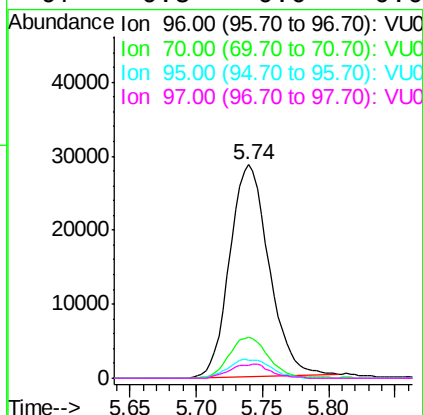
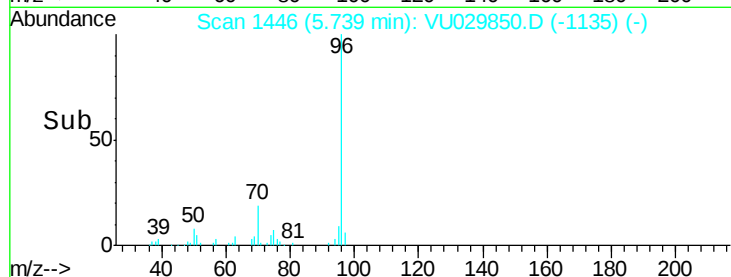
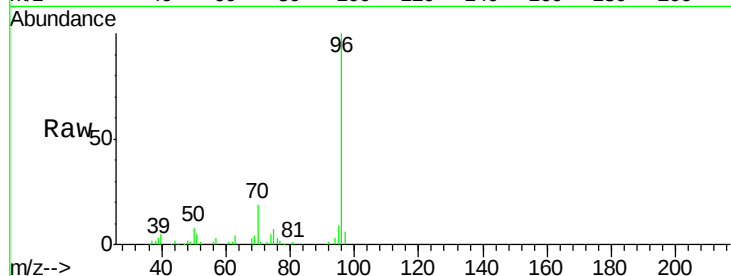
VU0308WBSD01

Tot Ion:	96	Resp:	59032
Ion Ratio	Lower	Upper	
96	100		
70	18.5	14.4	21.6
95	9.7	7.0	10.6
97	6.8	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.863 ug/l

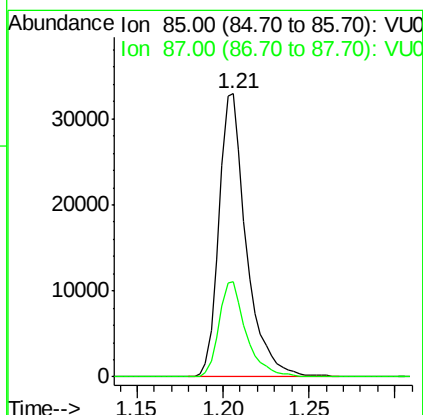
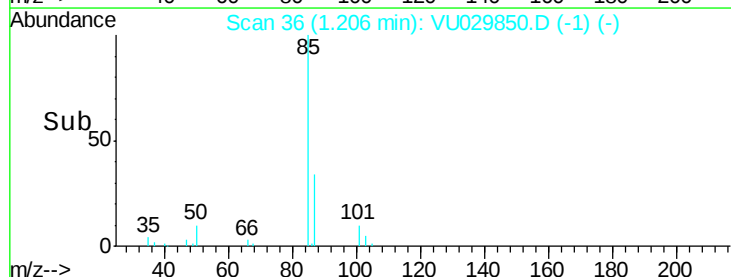
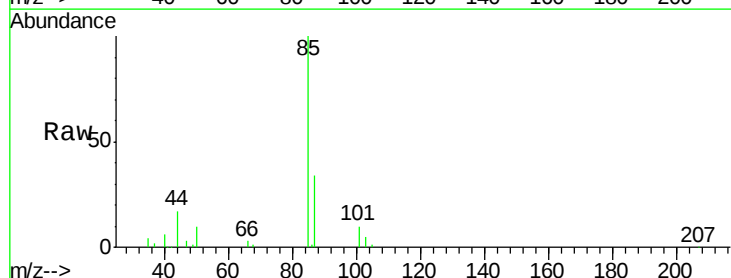
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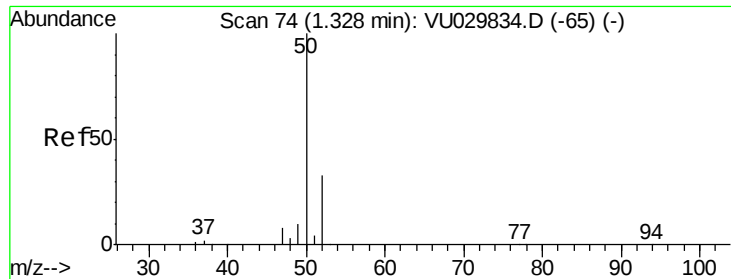
Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Tgt Ion:	85	Resp:	36800
Ion Ratio	Lower	Upper	
85	100		
87	33.5	16.2	48.6





#3

Chloromethane

Concen: 1.876 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

VU0308WBSD01

Tot Ion: 50 Resp: 33001

Ion Ratio Lower Upper

50 100

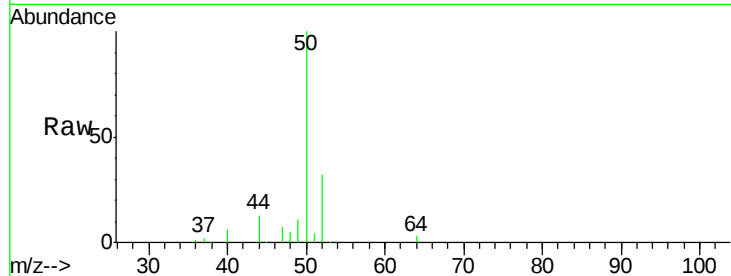
52 31.7 26.5 39.7

Manual Integrations

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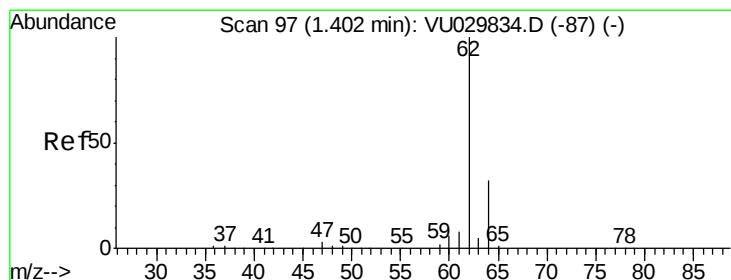
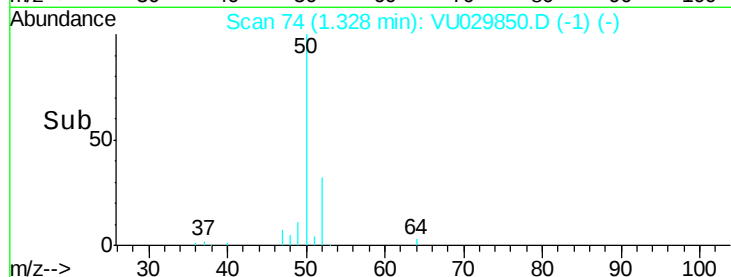
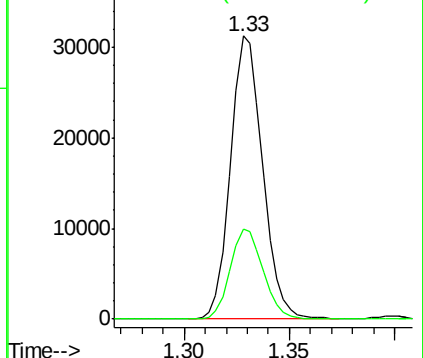
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.862 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029850.D

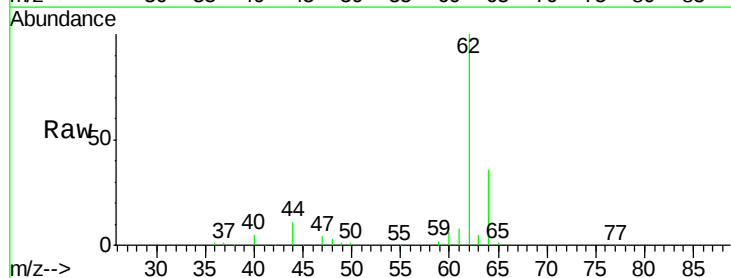
Acq: 07 Mar 2019 13:05

Tgt Ion: 62 Resp: 36850

Ion Ratio Lower Upper

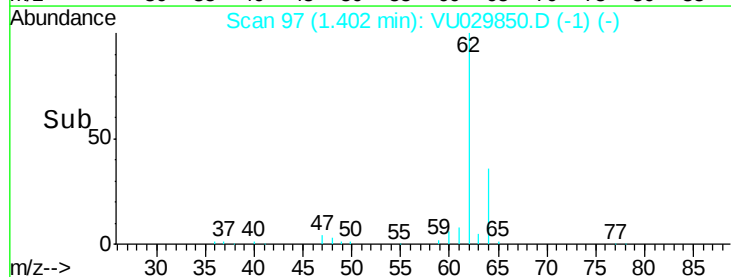
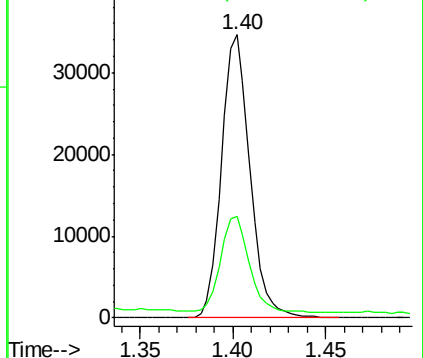
62 100

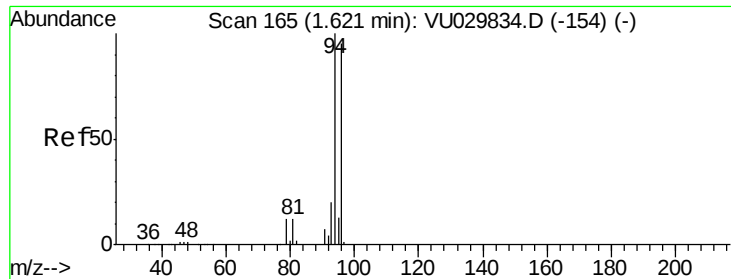
64 33.7 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.838 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 94 Resp: 24840

Ion Ratio Lower Upper

94 100

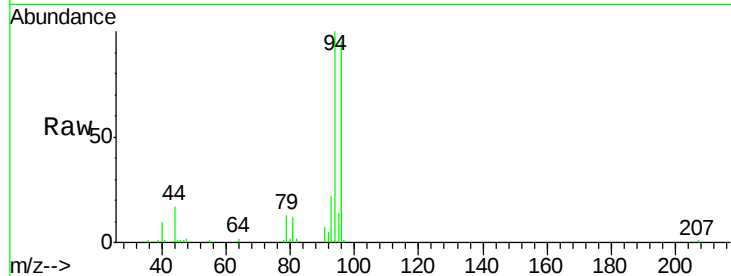
96 95.3 76.4 114.6

Manual Integrations

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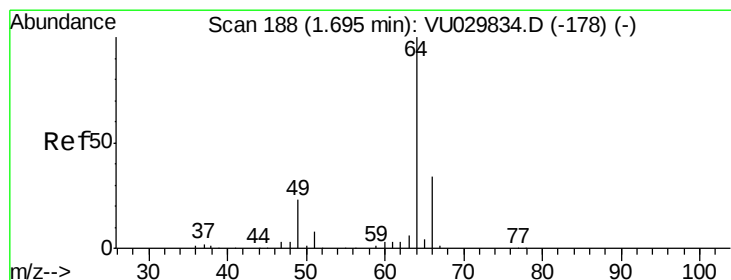
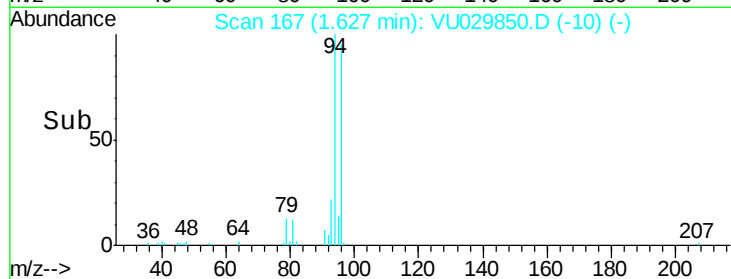
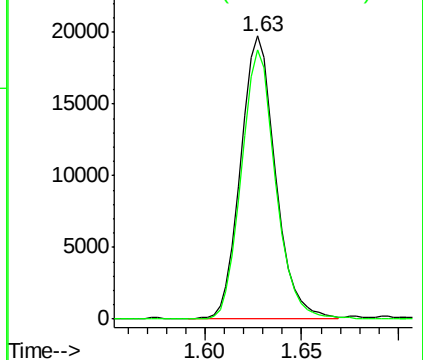
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.852 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029850.D

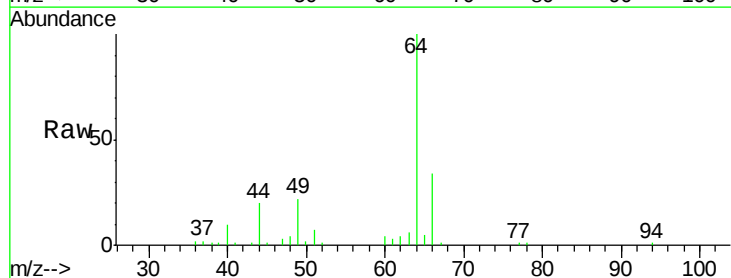
Acq: 07 Mar 2019 13:05

Tgt Ion: 64 Resp: 21975

Ion Ratio Lower Upper

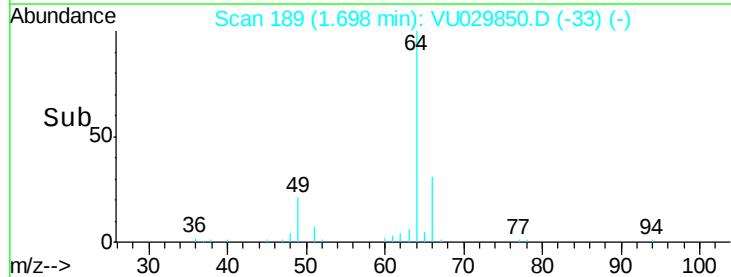
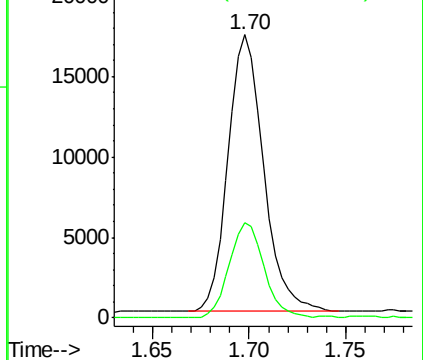
64 100

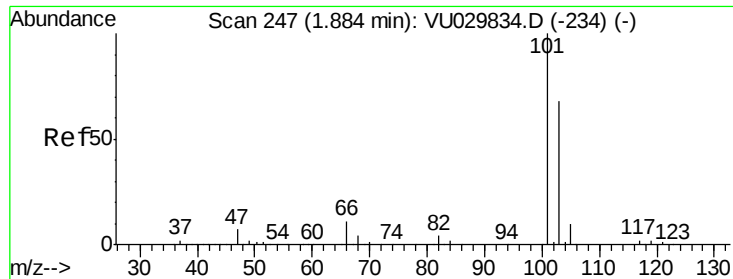
66 34.5 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane
 Concen: 1.915 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

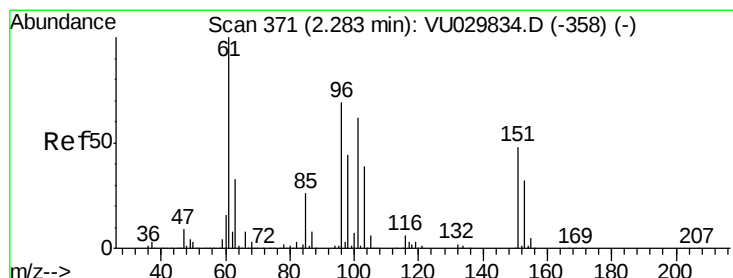
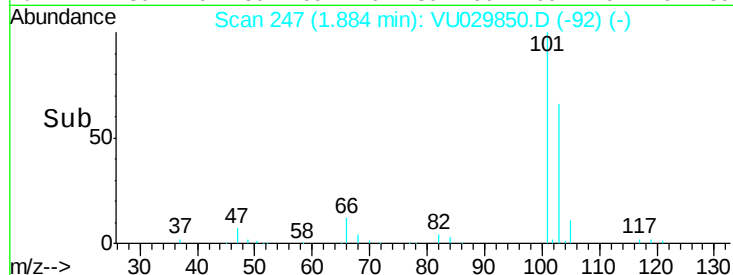
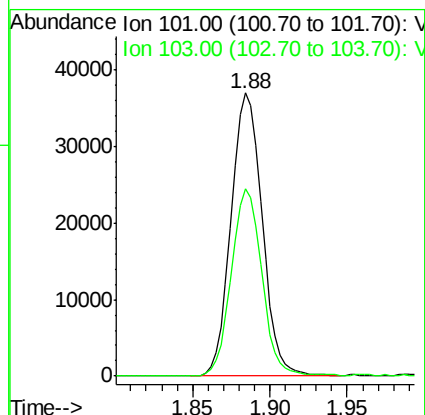
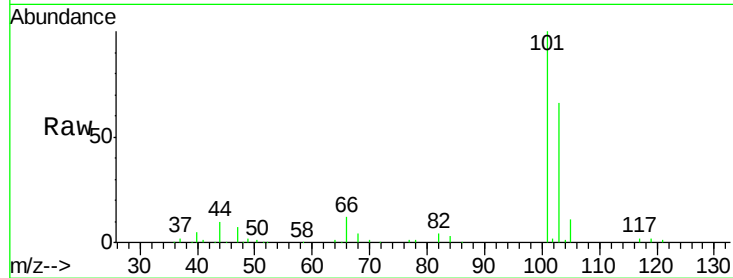
Instrument :
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 VU0308WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		51646		
103	66.1		54.2	81.2	

Manual Integrations
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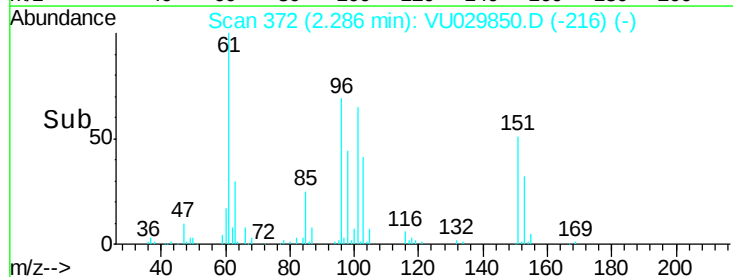
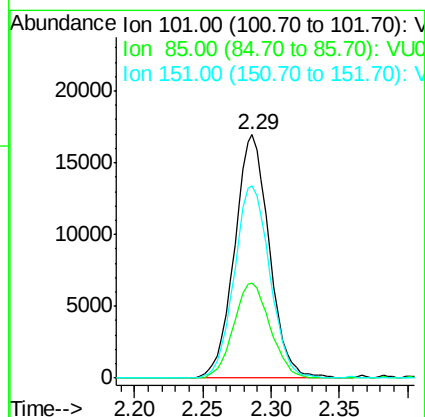
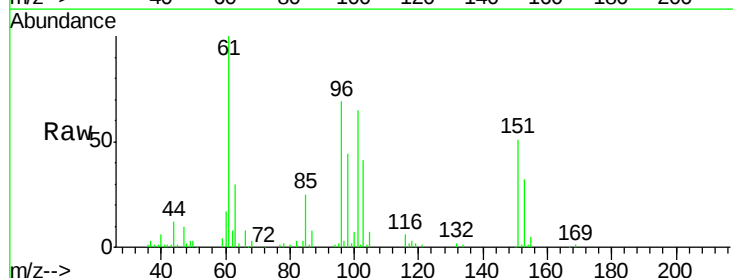
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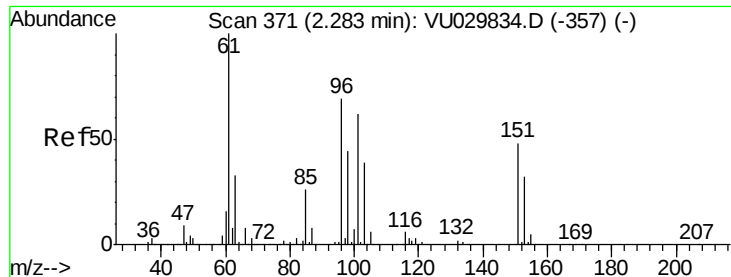


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.908 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		29929		
85	40.9		33.4	50.0	
151	80.9		64.6	97.0	





#9

1,1-Dichloroethene

Concen: 1.910 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

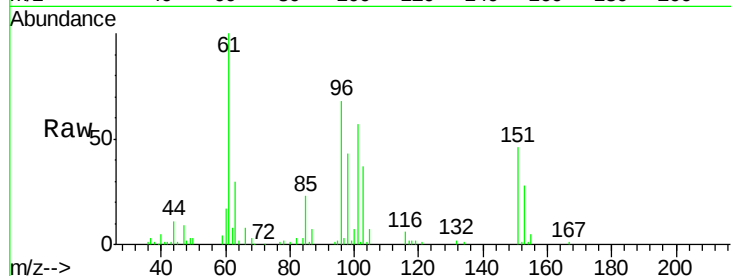
VU0308WBSD01

Tot Ion:	96	Resp:	29332
Ion Ratio	Lower	Upper	
96	100		
61	147.1	0.0	435.3
98	63.7	0.0	128.6

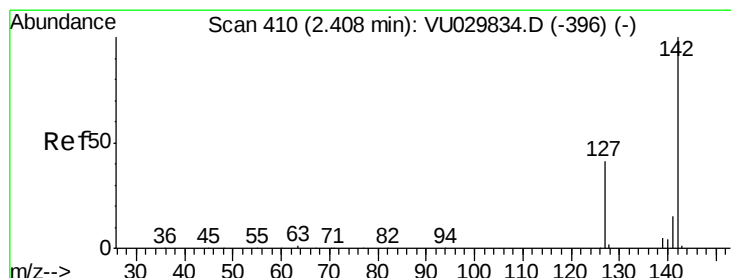
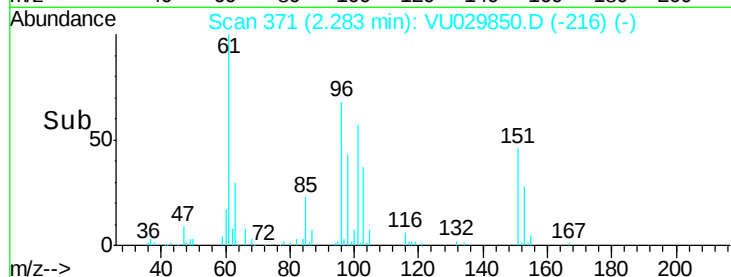
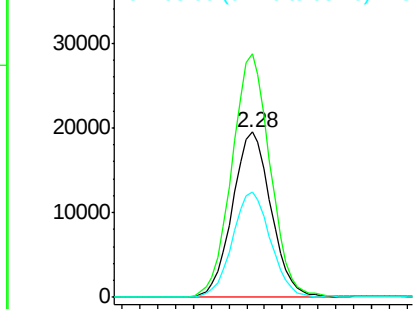
Manual Integrations
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3/8/2019 11:47:54 AM



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



#10

Iodomethane

Concen: 1.769 ug/l

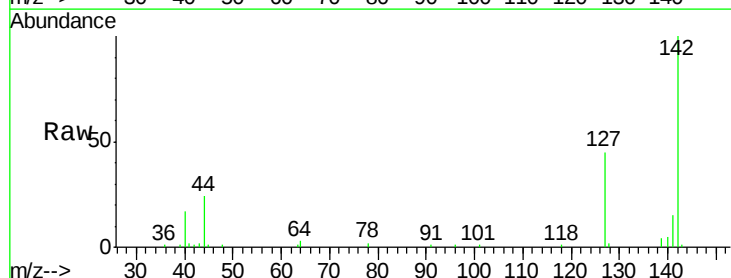
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

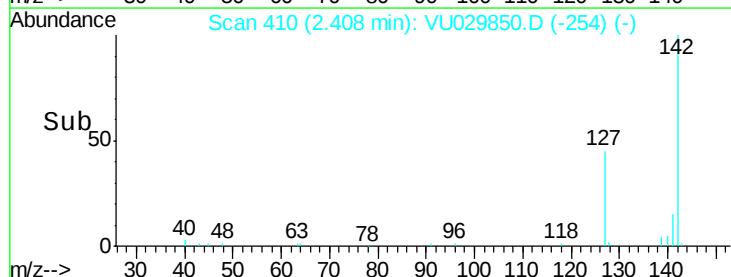
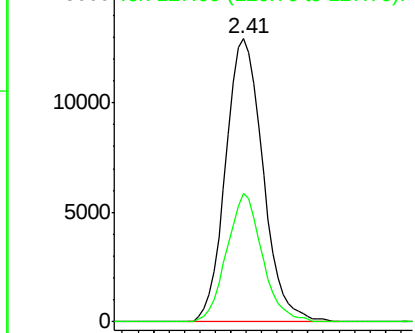
Lab File: VU029850.D

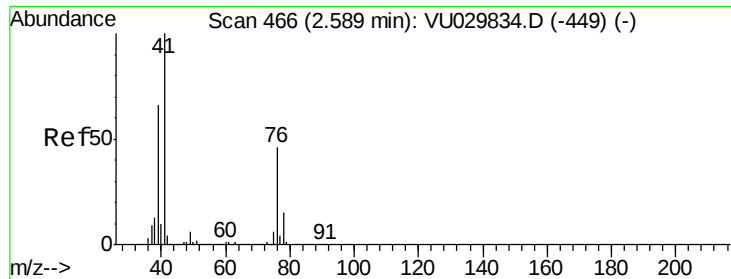
Acq: 07 Mar 2019 13:05

Tgt Ion:	142	Resp:	21626
Ion Ratio	Lower	Upper	
142	100		
127	43.0	32.3	48.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V





#11
Allvl Chloride
Concen: 1.835 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

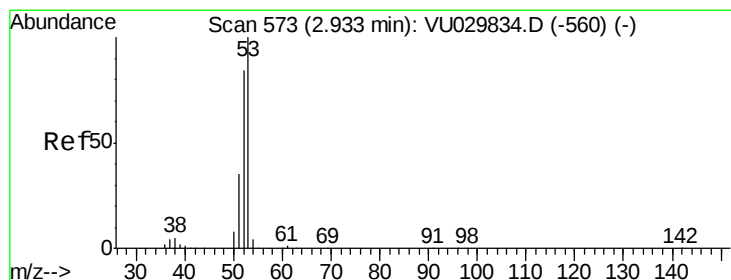
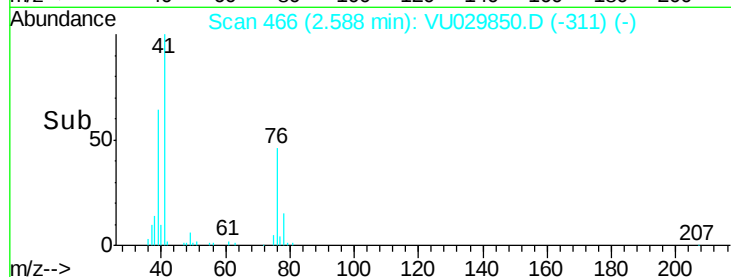
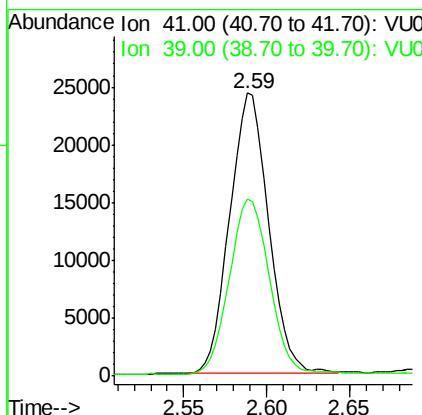
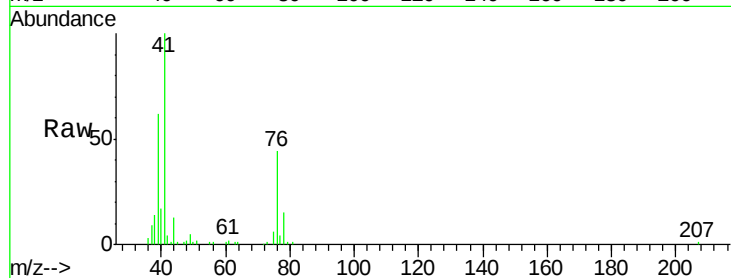
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion: 41 Resp: 39606
Ion Ratio Lower Upper
41 100
39 65.1 51.6 77.4

Manual Integrations
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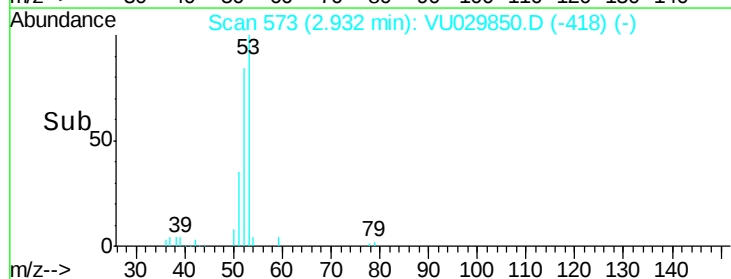
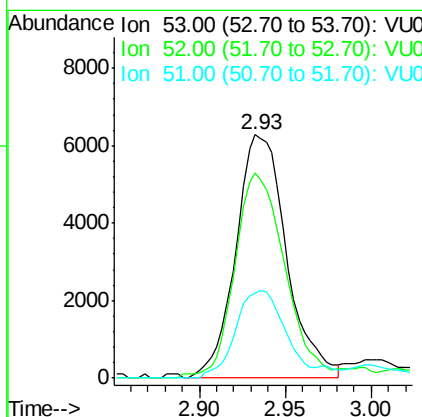
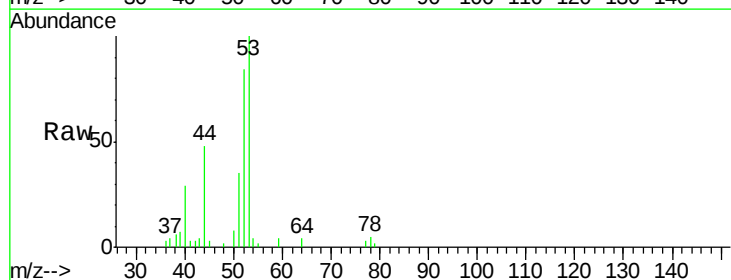
MMDadoda

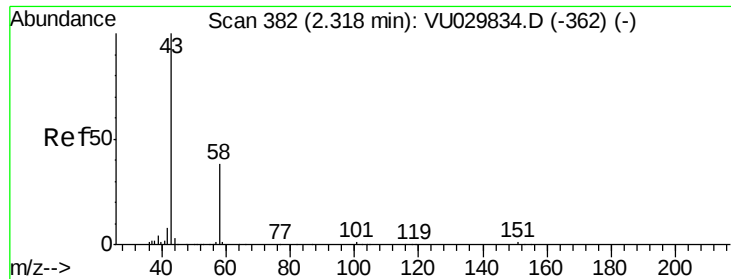
3/8/2019 11:47:54 AM



#12
Acrylonitrile
Concen: 3.841 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion: 53 Resp: 12861
Ion Ratio Lower Upper
53 100
52 82.9 66.5 99.7
51 35.0 28.6 42.8





#13

Acetone

Concen: 8.840 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 43 Resp: 24512

Ion Ratio Lower Upper

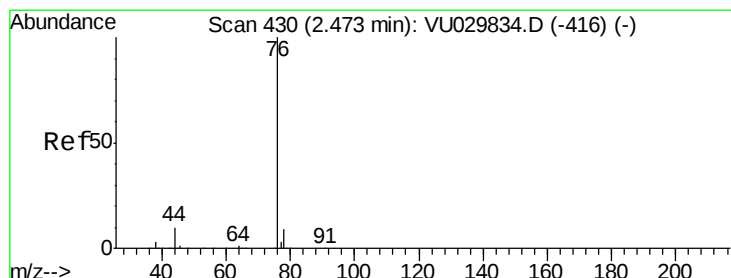
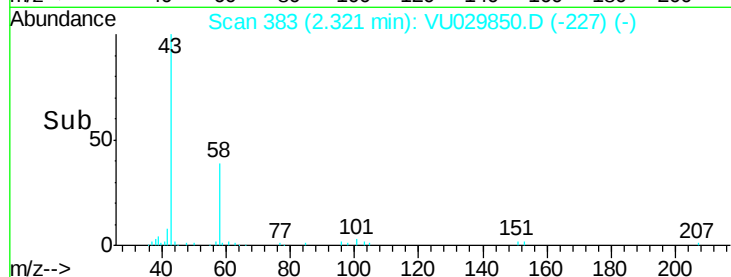
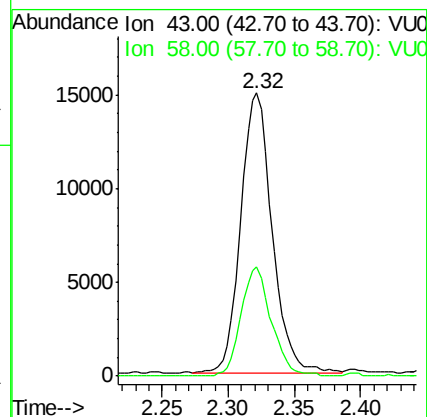
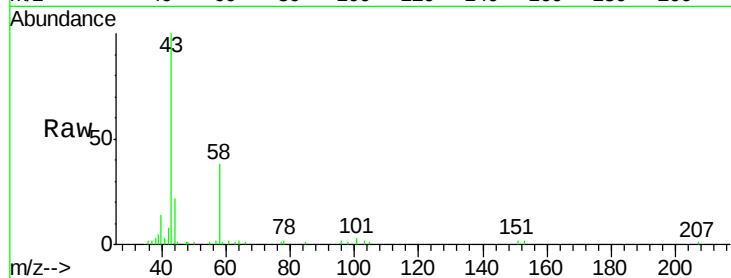
43 100

58 39.0 30.2 45.2

Manual Integrations
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#14

Carbon Disulfide

Concen: 1.837 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029850.D

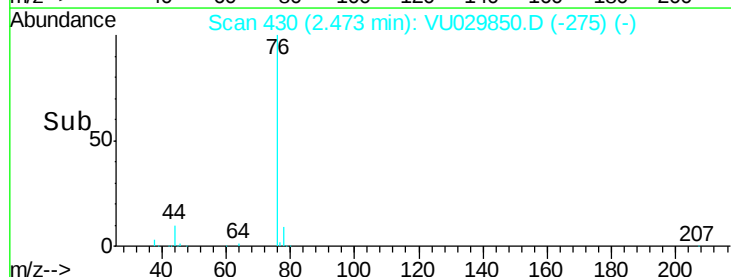
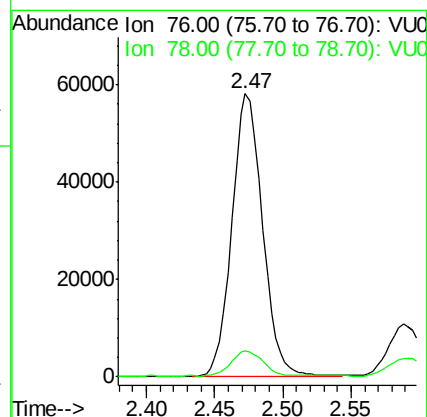
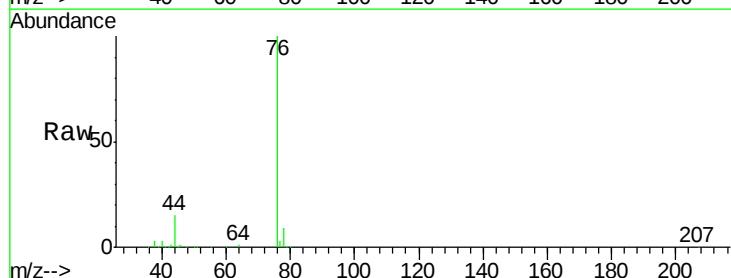
Acq: 07 Mar 2019 13:05

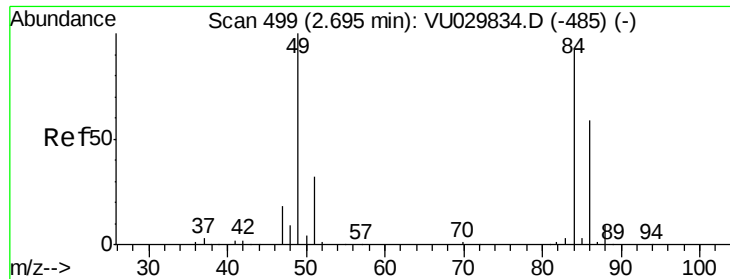
Tgt Ion: 76 Resp: 91358

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8





#15
Methvlene Chloride
Concen: 1.900 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

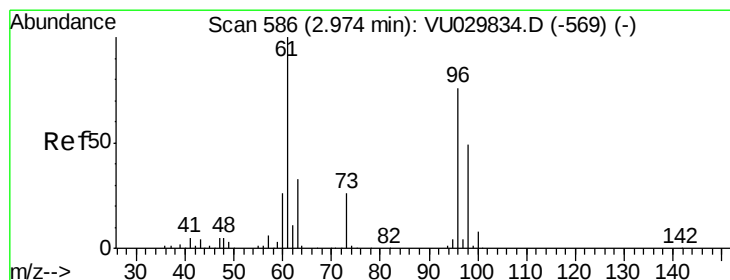
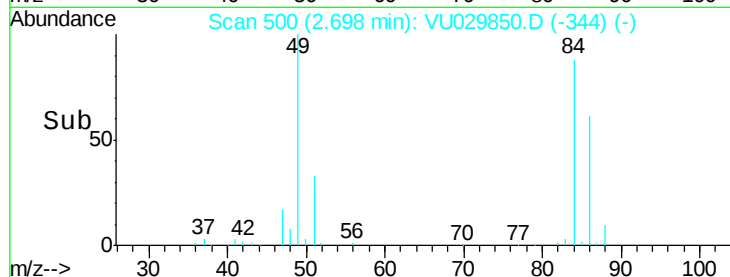
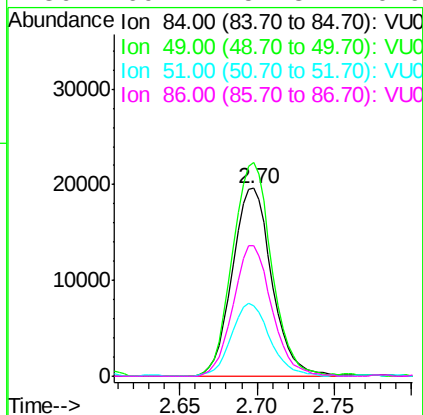
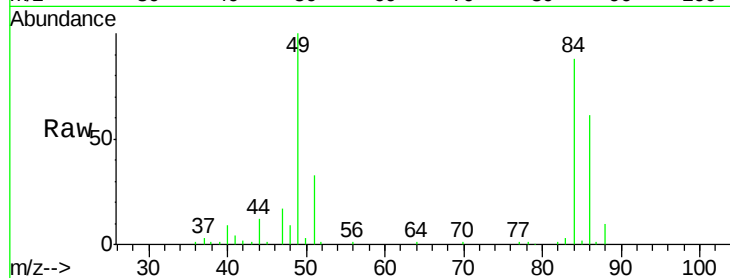
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion:	84	Resp:	35009
Ion	Ratio	Lower	Upper
84	100		
49	113.8	87.2	130.8
51	37.4	0.0	69.0
86	69.4	51.3	76.9

Manual Integrations
APPROVED

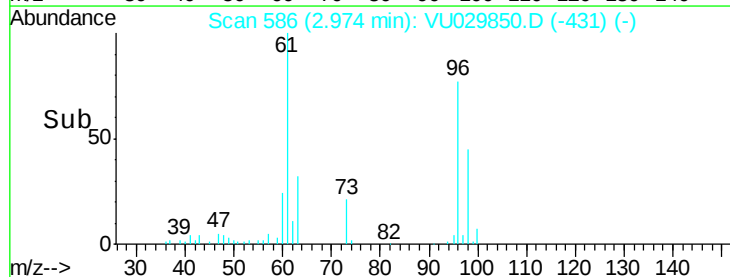
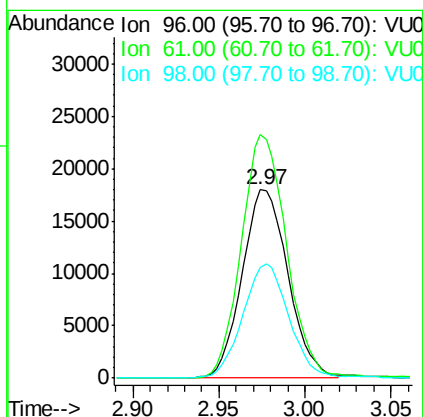
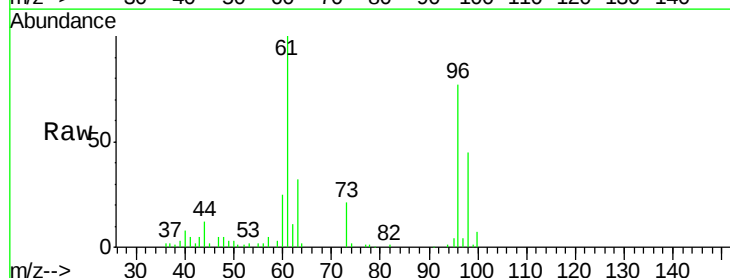
MMDadoda

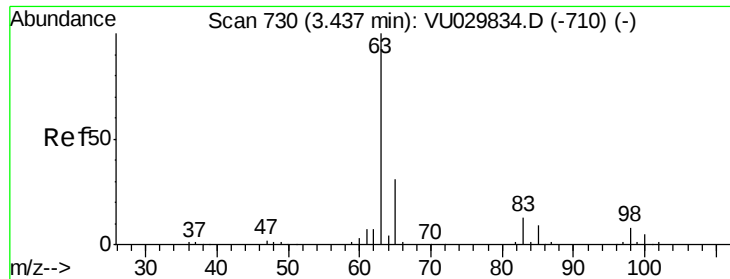
3/8/2019 11:47:54 AM



#16
trans-1,2-Dichloroethene
Concen: 1.917 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion:	96	Resp:	33254
Ion	Ratio	Lower	Upper
96	100		
61	129.4	104.7	157.1
98	58.7	50.9	76.3





#17
 1,1-Dichloroethane
 Concen: 1.895 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

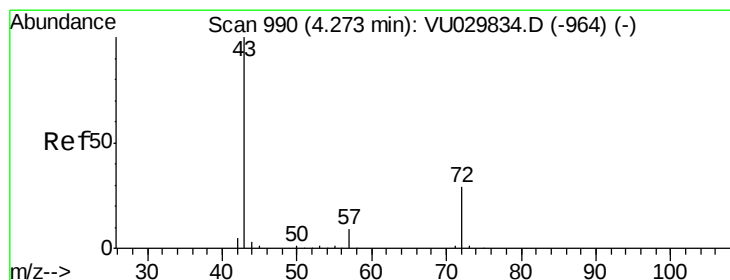
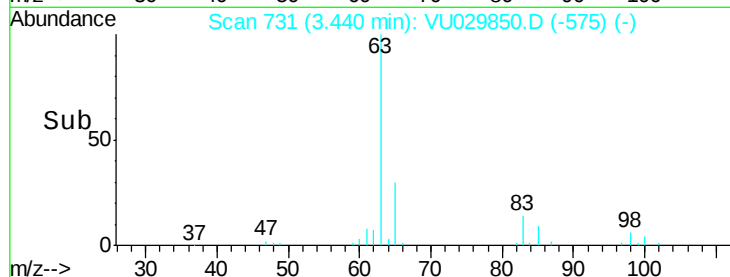
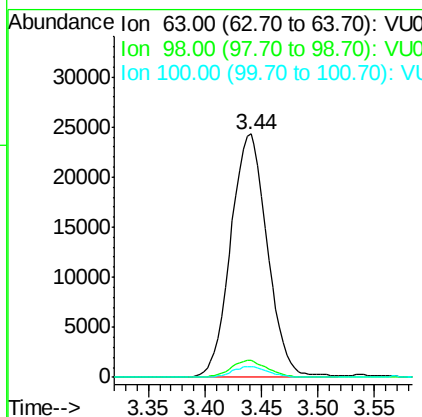
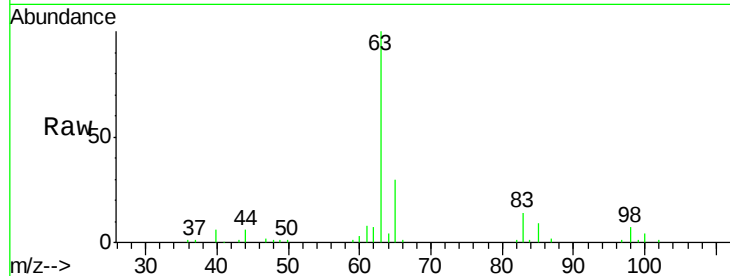
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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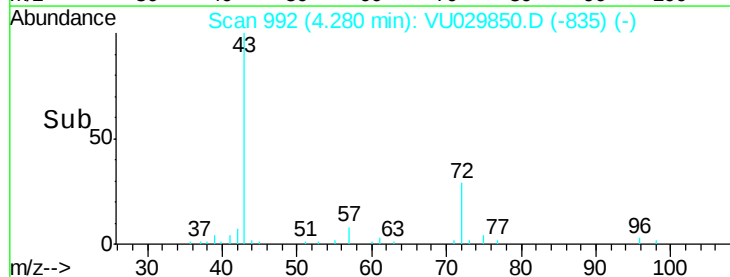
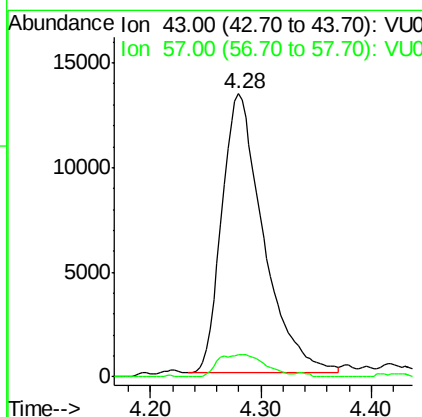
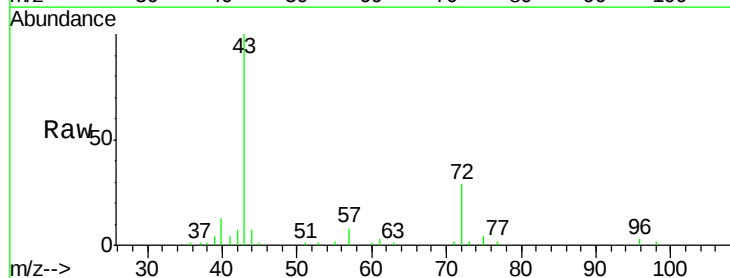
MMDadoda

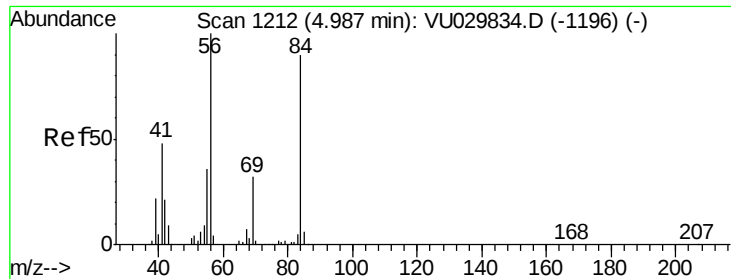
3/8/2019 11:47:54 AM



#18
 2-Butanone
 Concen: 9.280 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	0.0	18.6





#19

Cyclohexane

Concen: 1.884 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

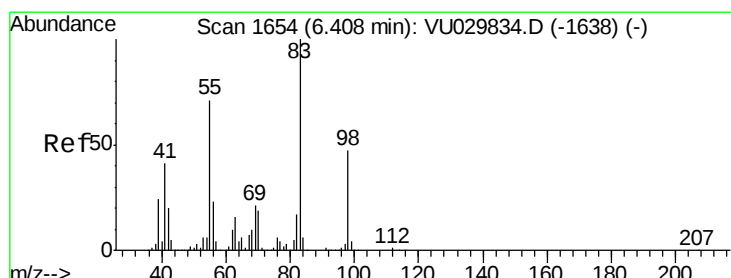
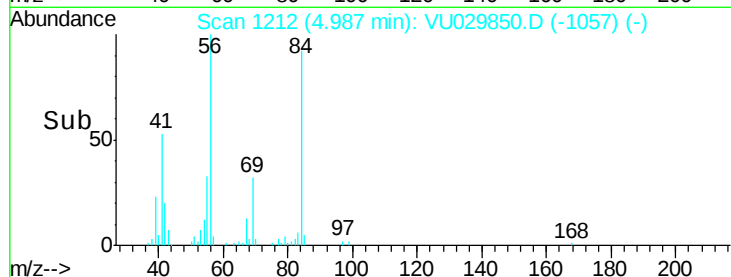
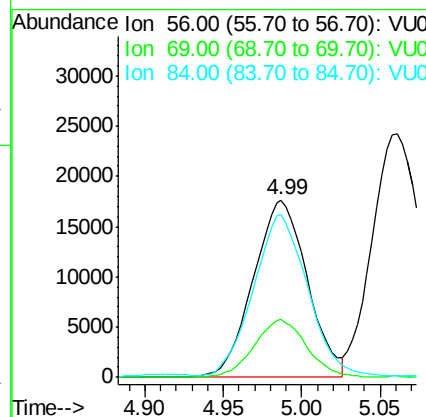
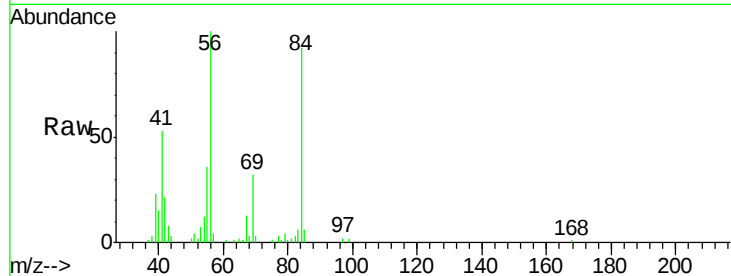
VU0308WBSD01

Tot Ion:	56	Resp:	42447
Ion Ratio	Lower	Upper	
56	100		
69	31.7	29.4	44.2
84	90.2	84.6	127.0

Manual Integrations
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3/8/2019 11:47:54 AM



#20

Methylcyclohexane

Concen: 1.840 ug/l

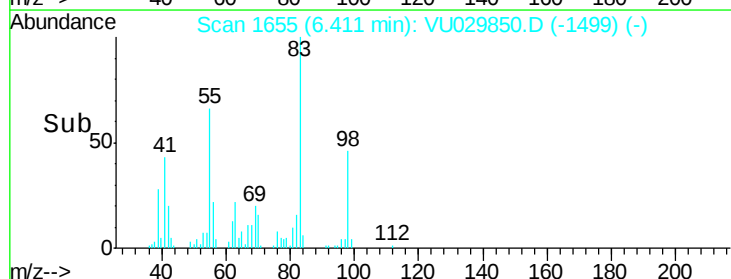
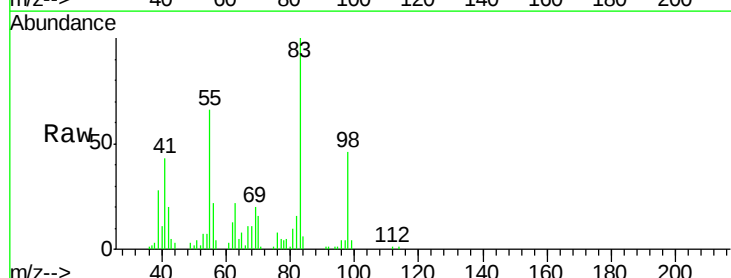
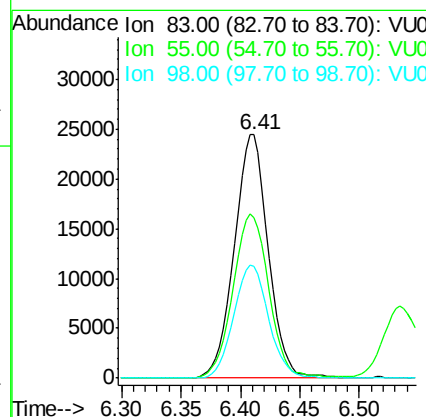
RT: 6.41 min Scan# 1655

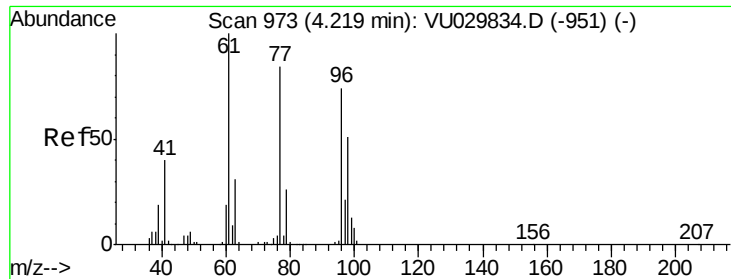
Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Tgt Ion:	83	Resp:	48279
Ion Ratio	Lower	Upper	
83	100		
55	70.2	55.9	83.9
98	47.7	37.0	55.4





#21
 2,2-Dichloropropane
 Concen: 1.836 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

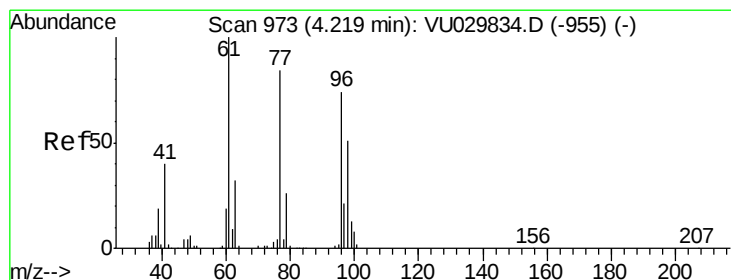
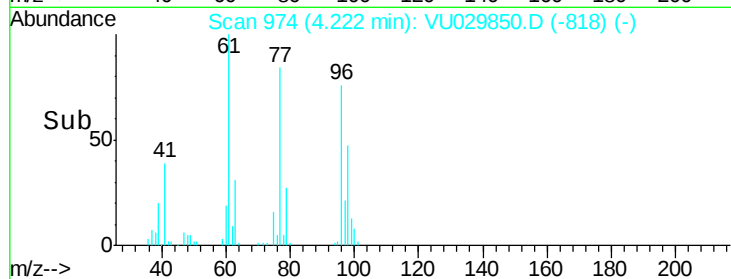
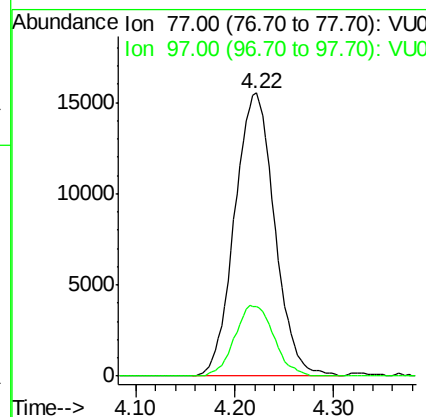
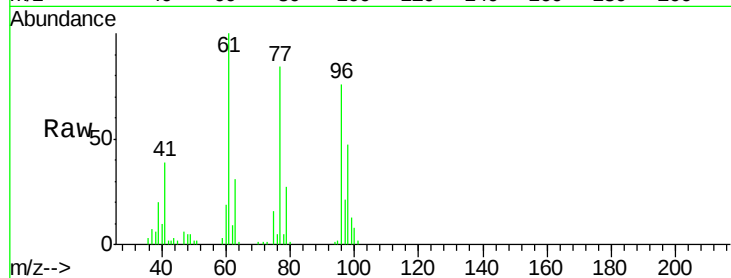
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.3	20.2	30.2

Manual Integrations
 APPROVED

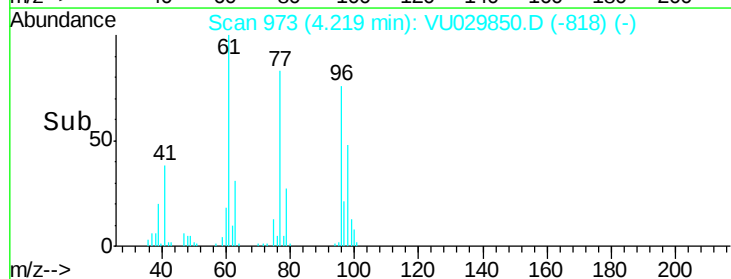
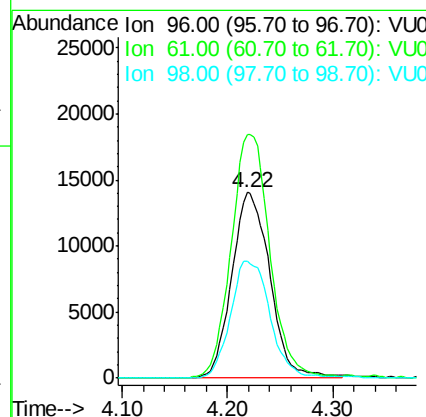
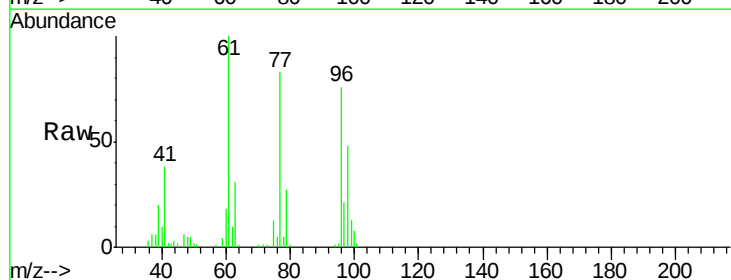
MMDadoda

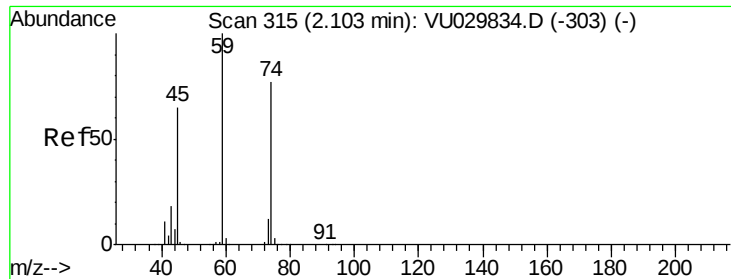
3/8/2019 11:47:54 AM



#22
 cis-1,2-Dichloroethene
 Concen: 1.918 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	339.0
98	65.3	33.1	99.5





#23
Diethyl Ether
Concen: 1.882 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

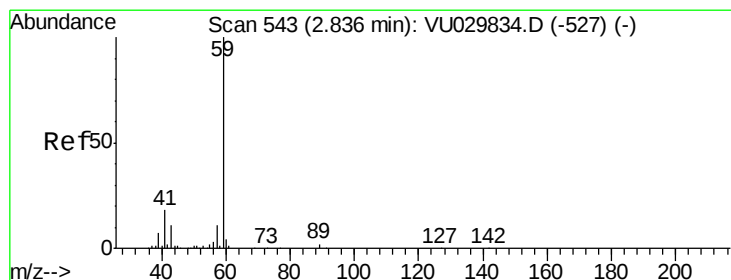
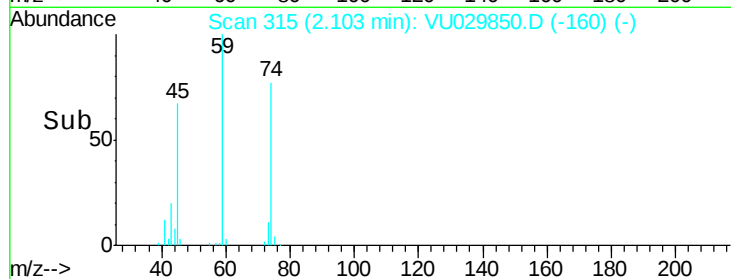
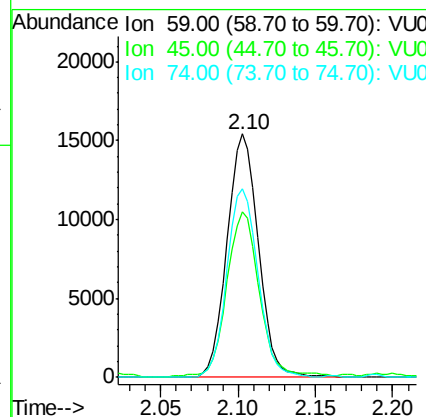
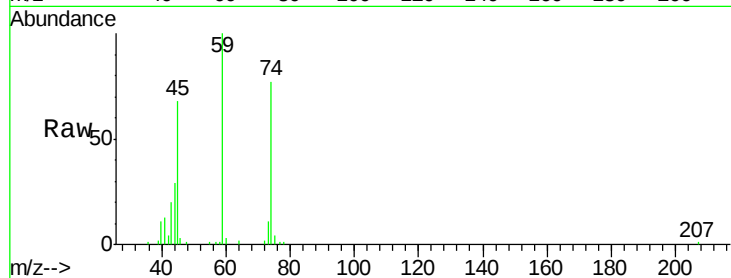
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.4	52.7	79.1
74	76.9	61.8	92.6

Manual Integrations
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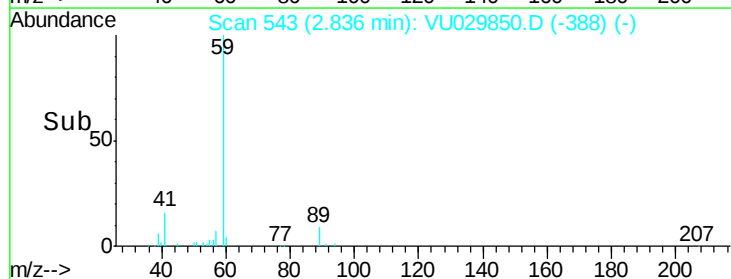
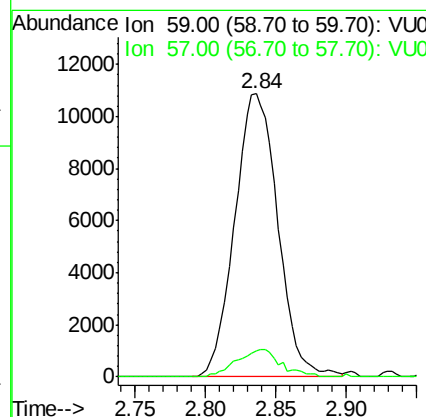
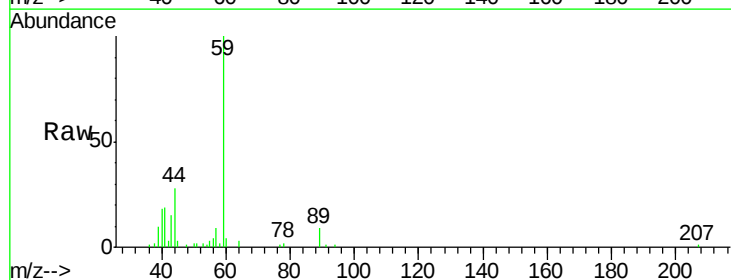
MMDadoda

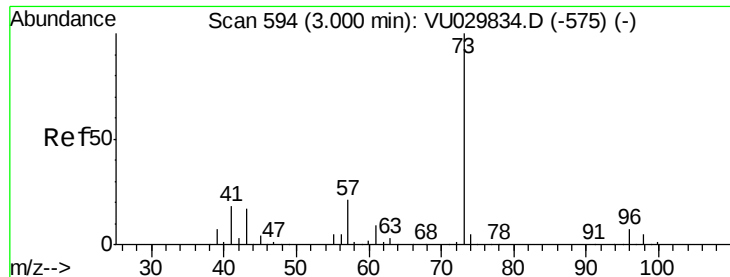
3/8/2019 11:47:54 AM



#24
tert-Butyl Alcohol
Concen: 19.629 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7





#25

Methyl tert-Butyl Ether
 Concen: 1.909 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

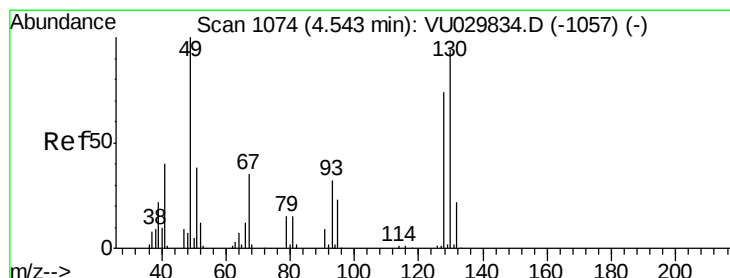
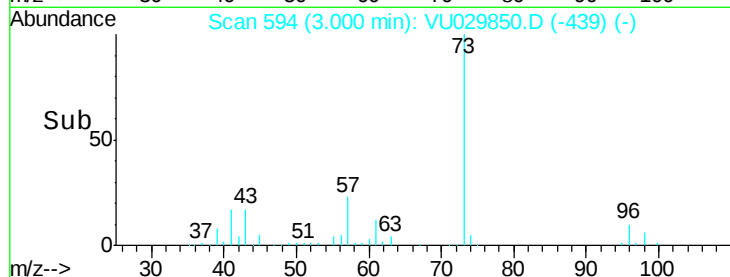
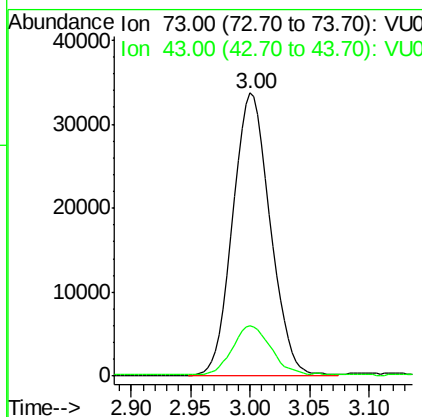
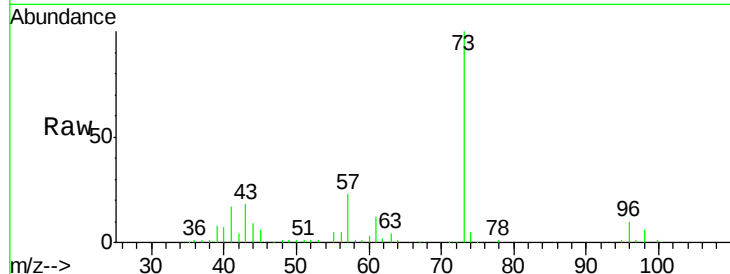
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.1	13.1	19.7

Manual Integrations
 APPROVED

MMDadoda

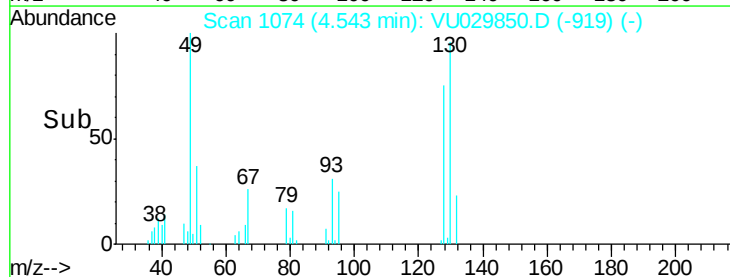
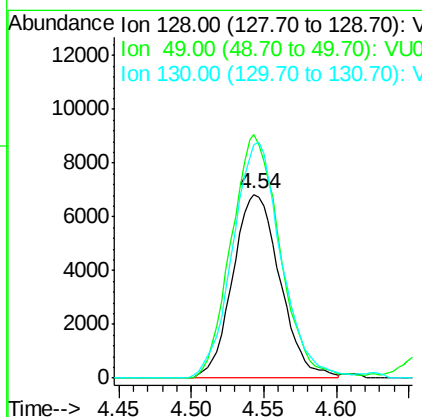
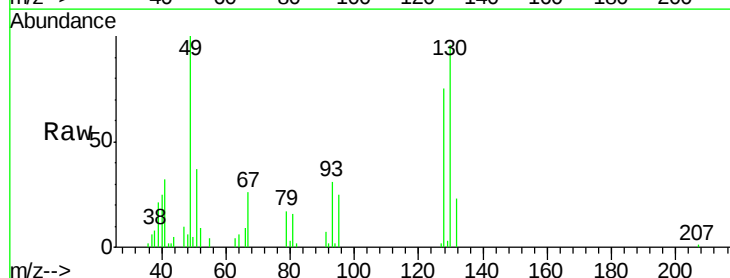
3/8/2019 11:47:54 AM

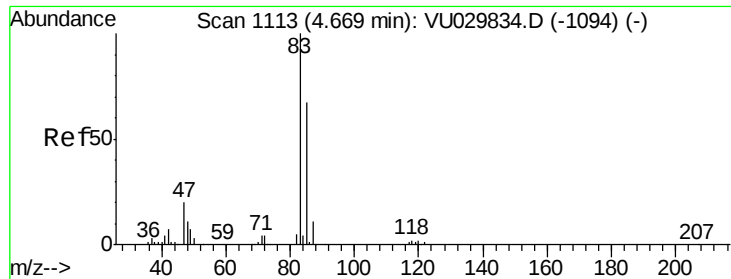


#26

Bromochloromethane
 Concen: 1.894 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	136.8	0.0	270.6
130	132.2	104.2	156.4





#27

Chloroform

Concen: 1.881 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 83 Resp: 55268

Ion Ratio Lower Upper

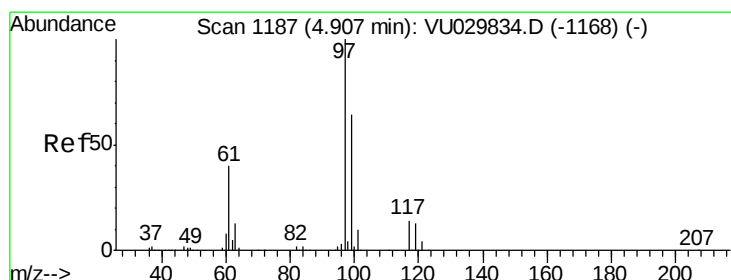
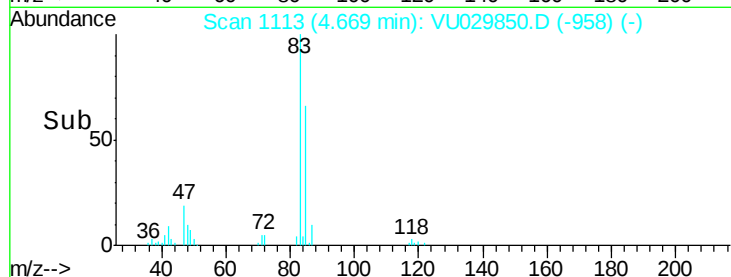
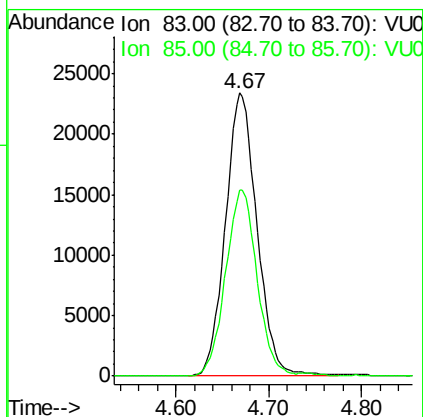
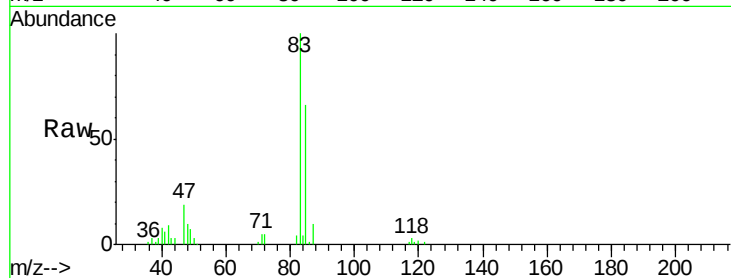
83 100

85 65.9 0.0 133.2

Manual Integrations
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#28

1,1,1-Trichloroethane

Concen: 1.883 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

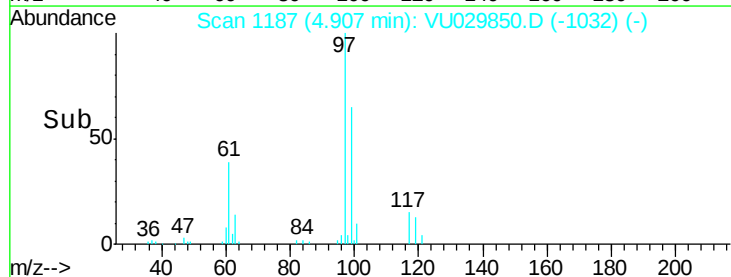
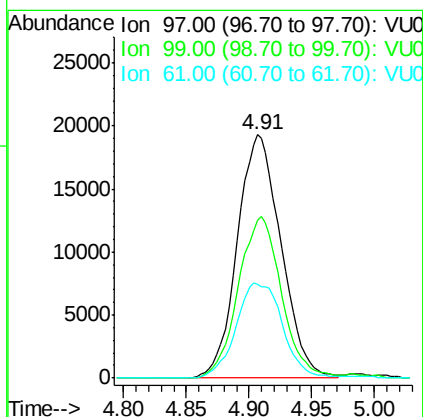
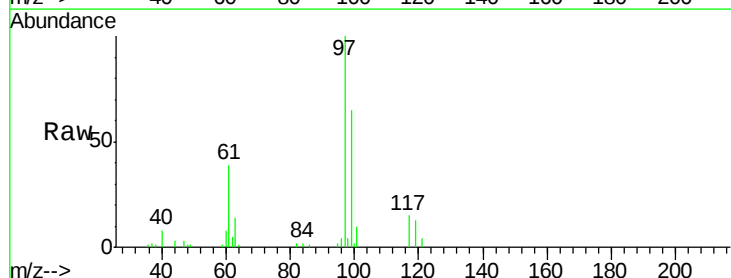
Tgt Ion: 97 Resp: 46907

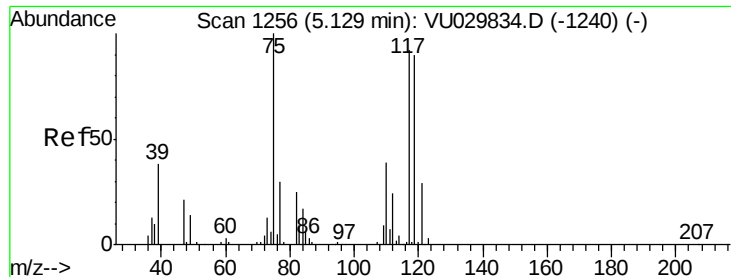
Ion Ratio Lower Upper

97 100

99 65.2 31.9 95.9

61 41.5 20.4 61.3





#29
1,1-Dichloropropene
Concen: 1.846 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

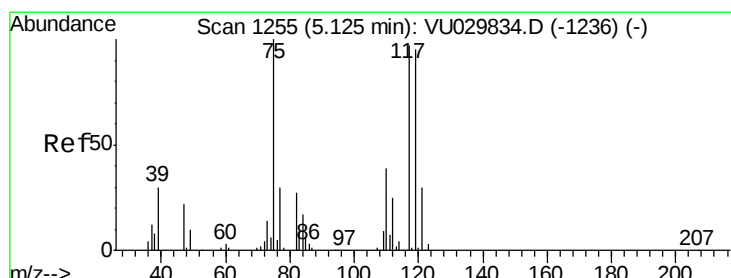
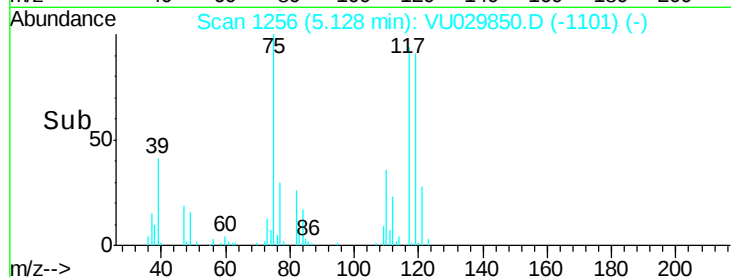
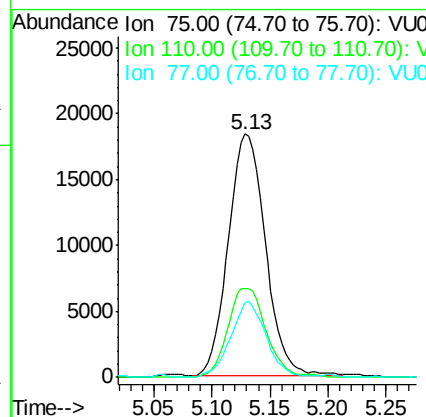
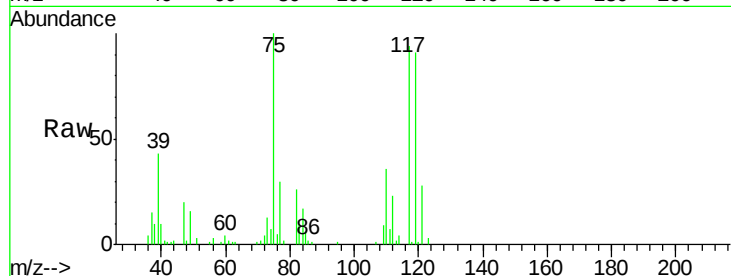
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.1	57.5
77	29.7	23.9	35.9

Manual Integrations
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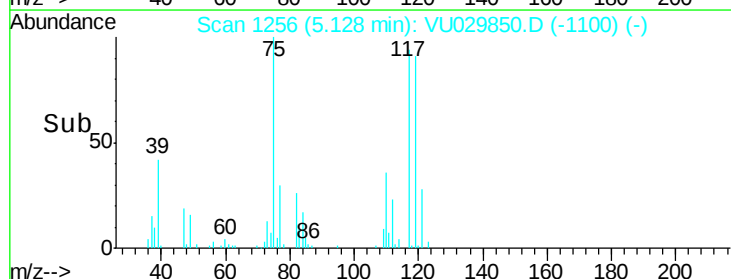
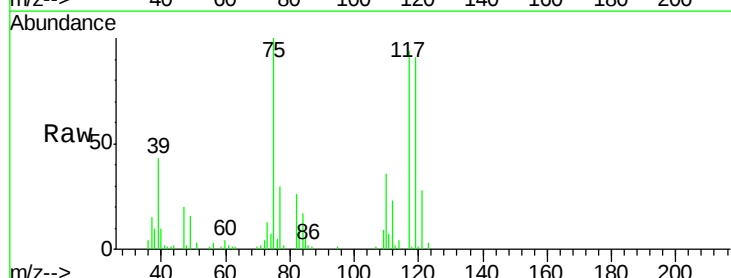
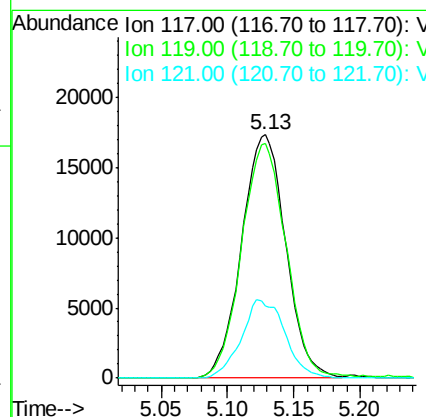
MMDadoda

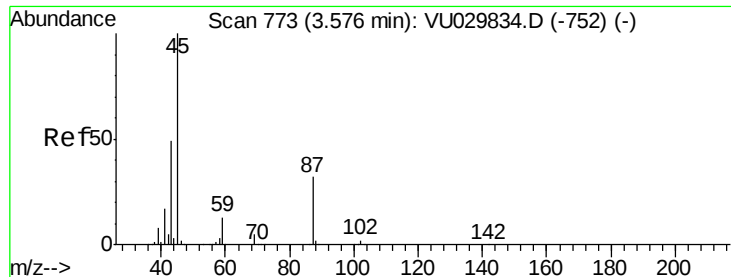
3/8/2019 11:47:54 AM



#30
Carbon Tetrachloride
Concen: 1.849 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.4	117.6
121	29.7	25.0	37.4





#31

Isopropyl Ether

Concen: 1.901 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 45 Resp: 76075

Ion Ratio Lower Upper

45 100

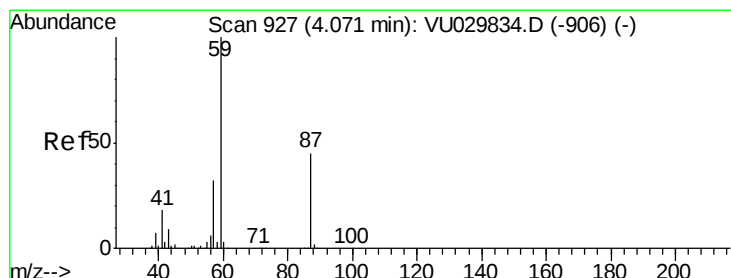
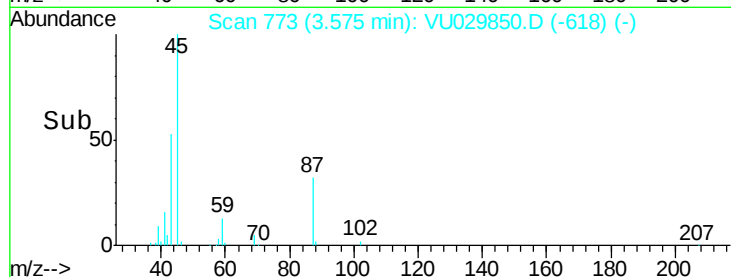
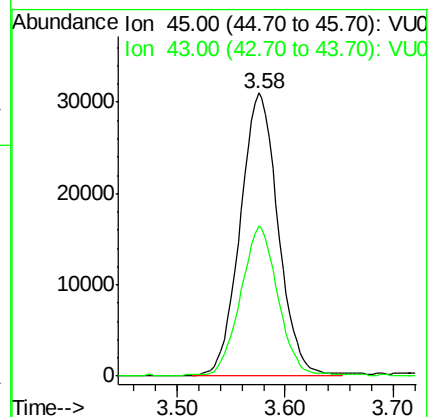
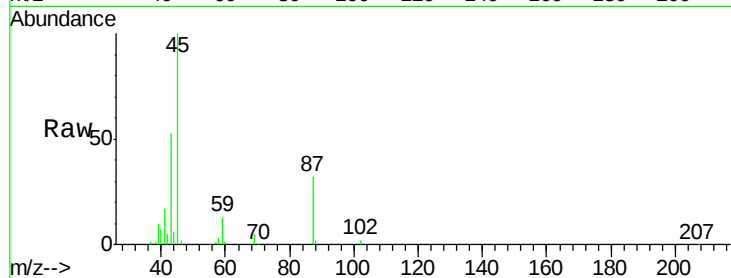
43 50.8 24.3 72.9

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.880 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029850.D

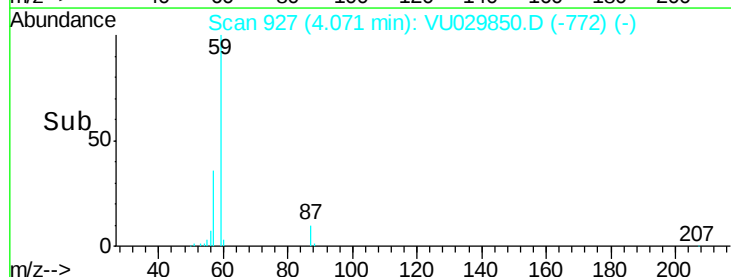
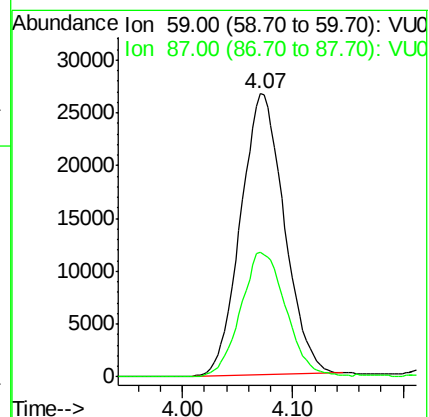
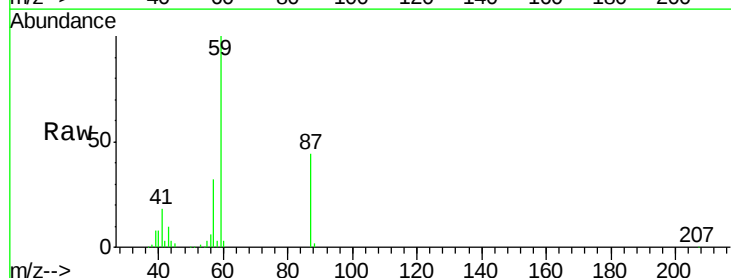
Acq: 07 Mar 2019 13:05

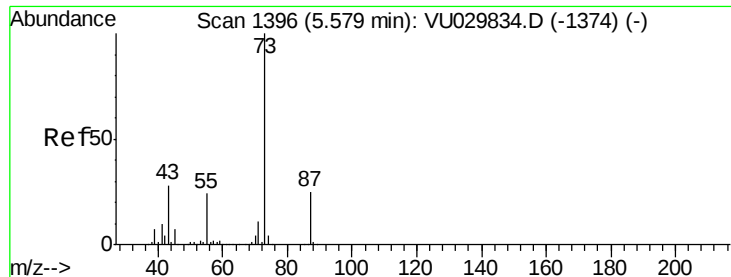
Tgt Ion: 59 Resp: 73138

Ion Ratio Lower Upper

59 100

87 45.5 36.2 54.4





#33
Tert-Butyl methyl ether
Concen: 1.926 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

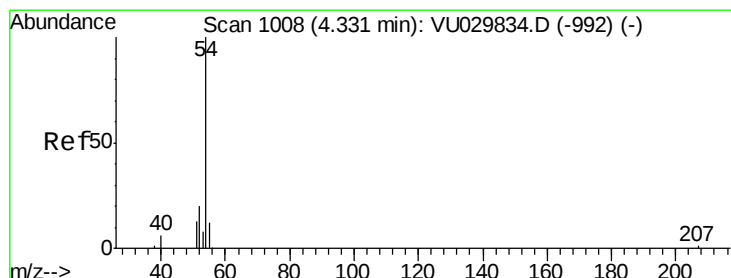
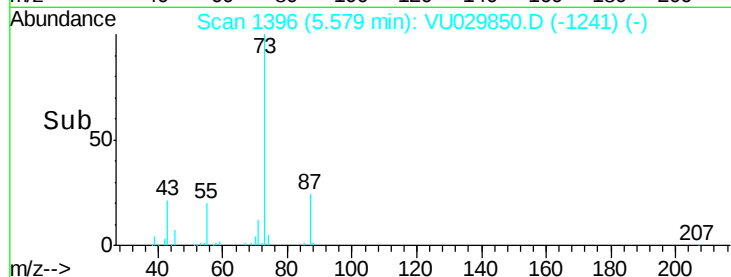
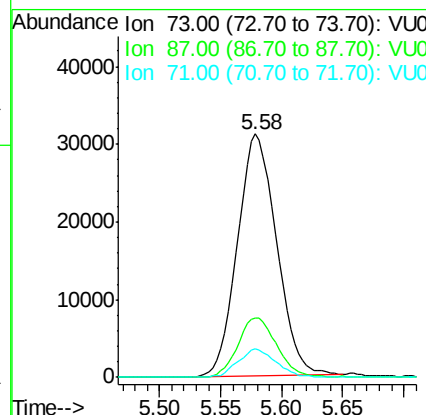
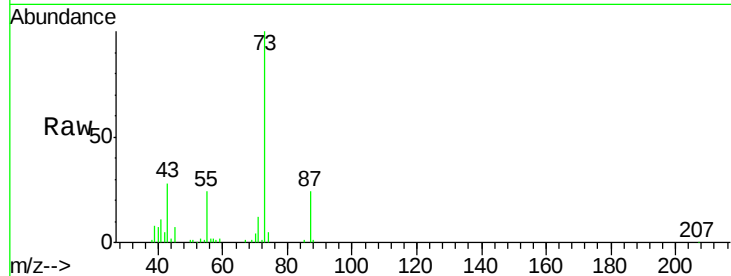
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	19.7	29.5
71	11.3	9.4	14.2

Manual Integrations
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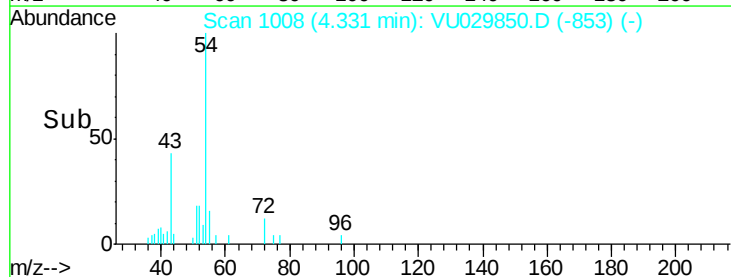
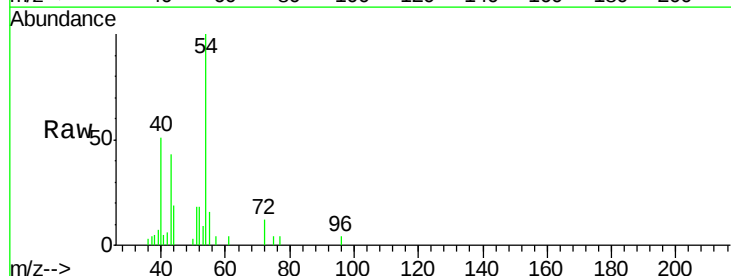
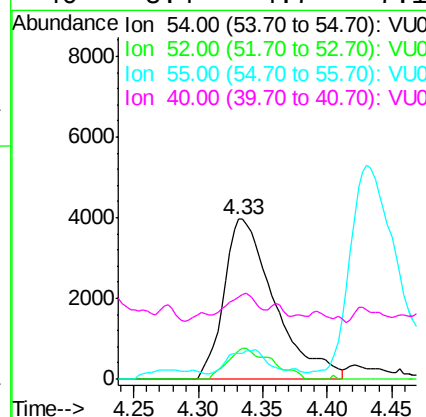
MMDadoda

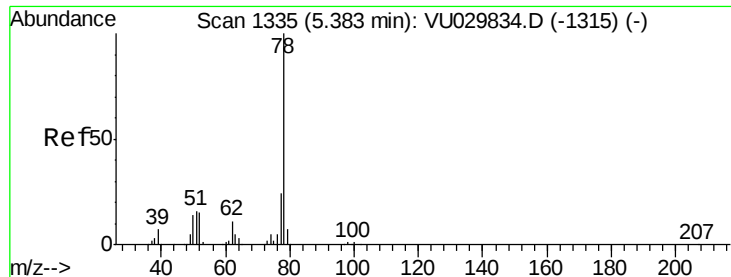
3/8/2019 11:47:54 AM



#34
Propionitrile
Concen: 9.604 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
54	100		
52	16.8	16.1	24.1
55	10.6	11.2	16.8#
40	8.4	4.7	7.1#





#35

Benzene

Concen: 1.898 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 78 Resp: 123808

Ion Ratio Lower Upper

78 100

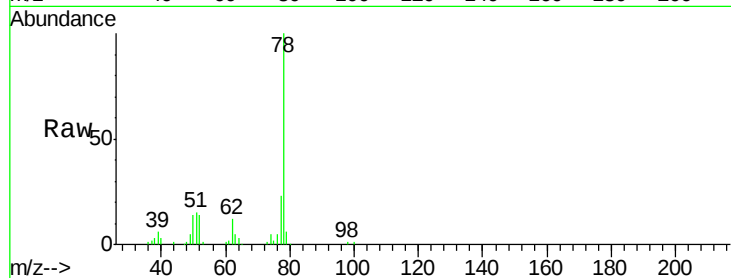
77 22.9 19.2 28.8

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU029834.D (-1315) (-)

Ion 77.00 (76.70 to 77.70): VU029834.D (-1315) (-)

5.39

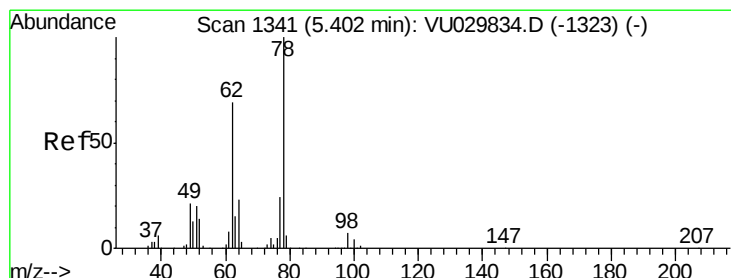
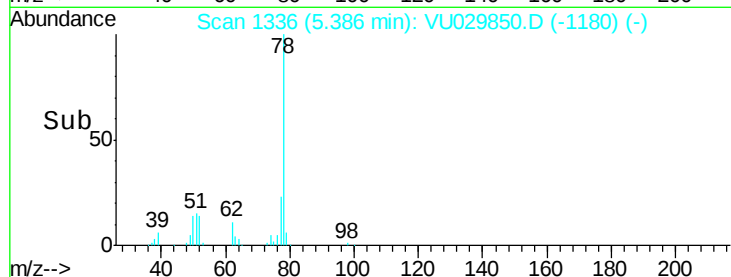
60000

40000

20000

0

Time-->



#36

1,2-Dichloroethane

Concen: 1.956 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029850.D

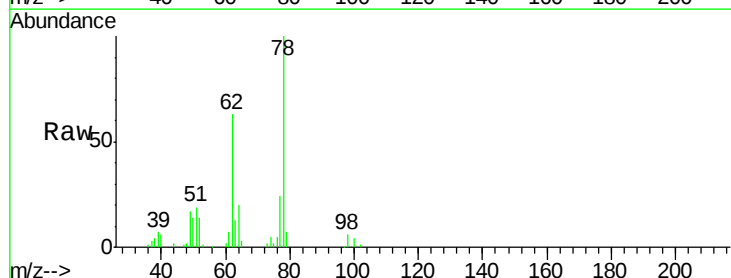
Acq: 07 Mar 2019 13:05

Tgt Ion: 62 Resp: 34847

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU029834.D (-1323) (-)

Ion 98.00 (97.70 to 98.70): VU029834.D (-1323) (-)

5.40

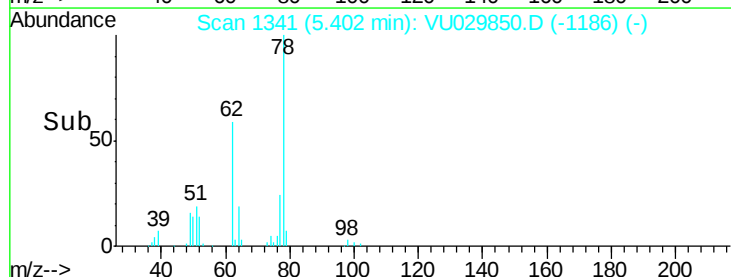
15000

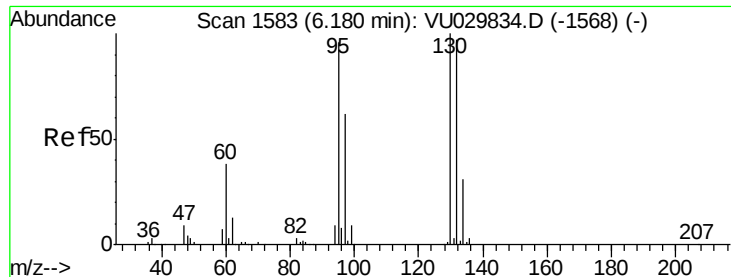
10000

5000

0

Time-->





#37
 Trichloroethene
 Concen: 1.913 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

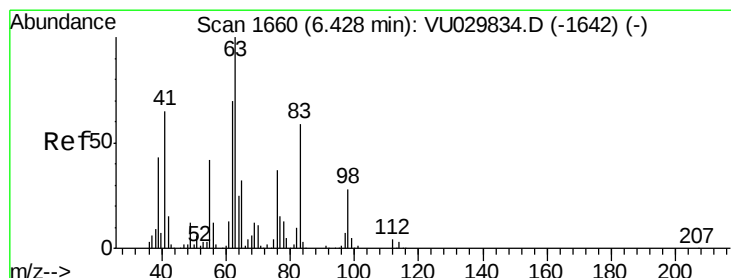
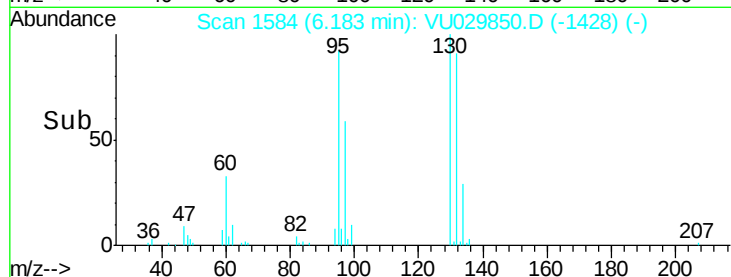
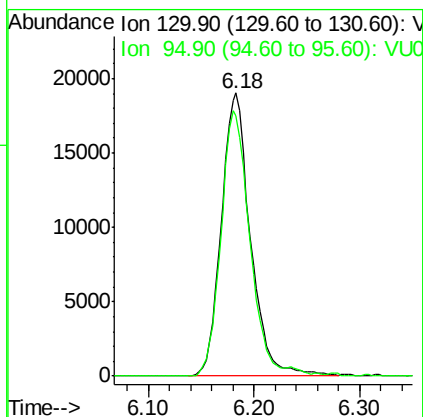
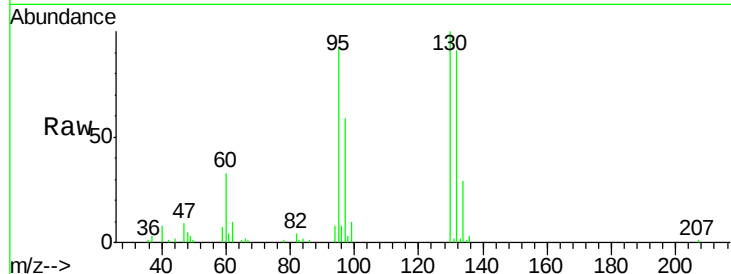
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion:130 Resp: 36438
 Ion Ratio Lower Upper
 130 100
 95 91.8 76.6 114.8

Manual Integrations
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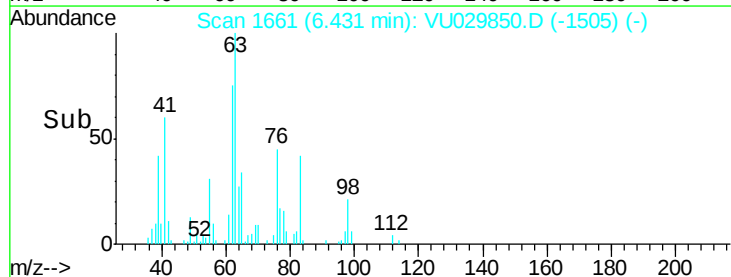
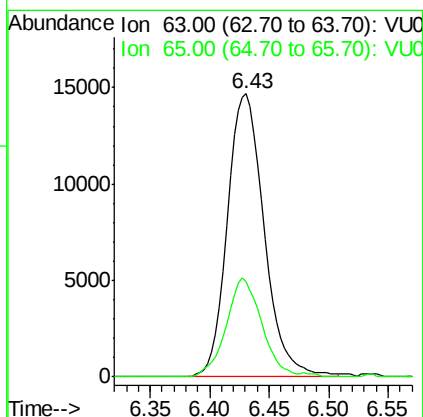
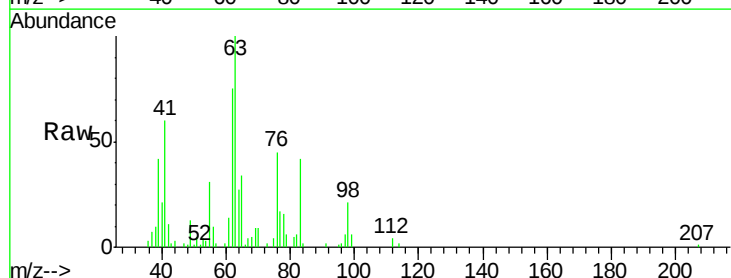
MMDadoda

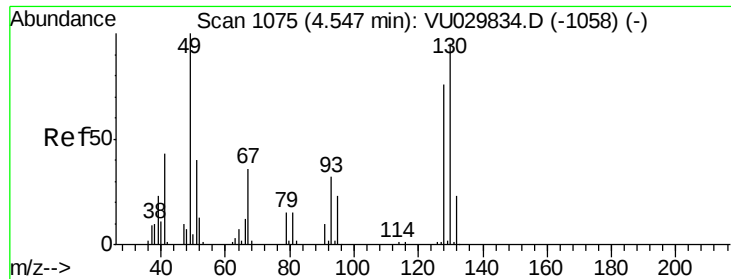
3/8/2019 11:47:54 AM



#38
 1,2-Dichloropropane
 Concen: 1.908 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion: 63 Resp: 31509
 Ion Ratio Lower Upper
 63 100
 65 33.5 25.4 38.2





#39
Methacrylonitrile
Concen: 1.825 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

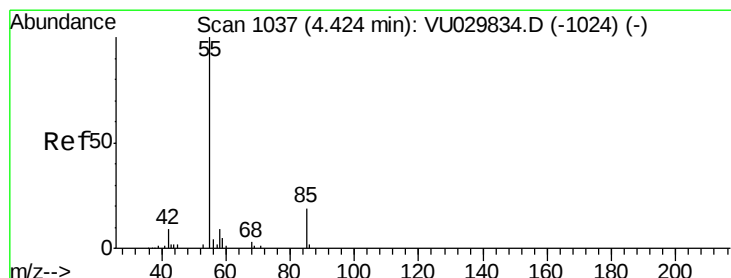
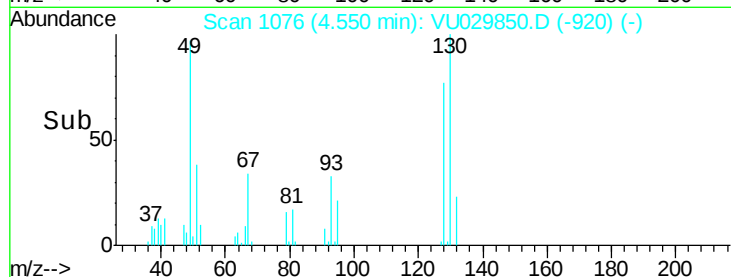
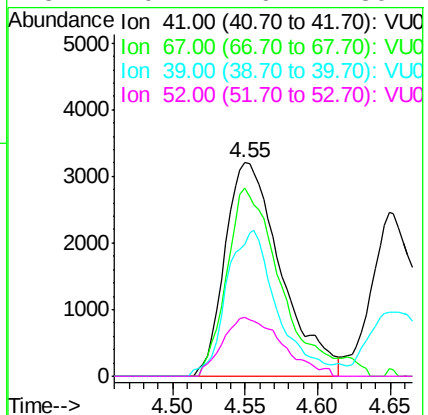
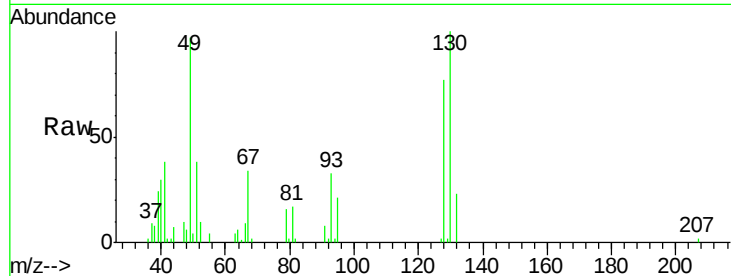
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion:	41	Resp:	8606
Ion	Ratio	Lower	Upper
41	100		
67	83.3	68.4	102.6
39	61.3	42.6	63.8
52	29.1	26.2	39.4

Manual Integrations
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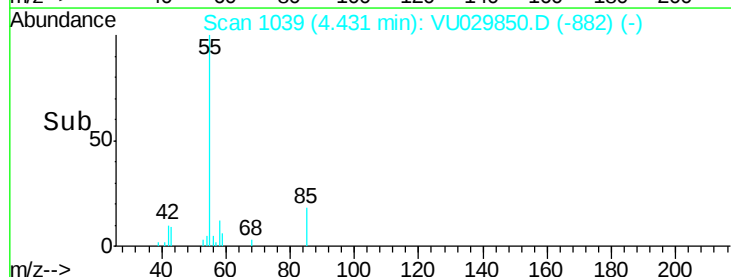
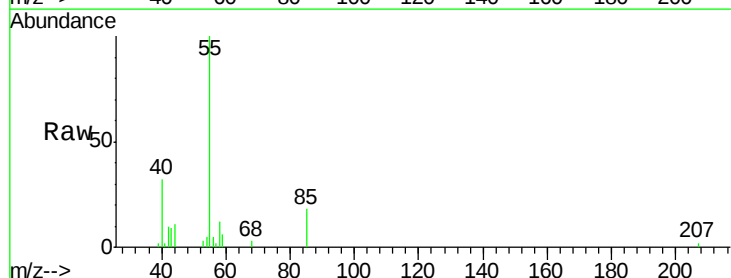
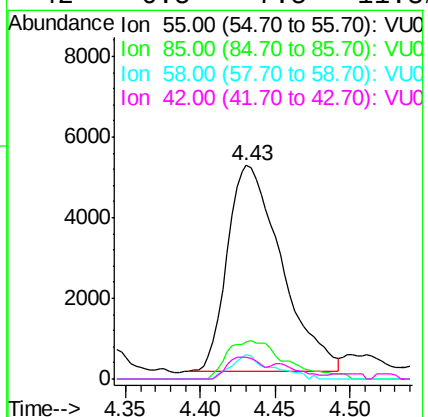
MMDadoda

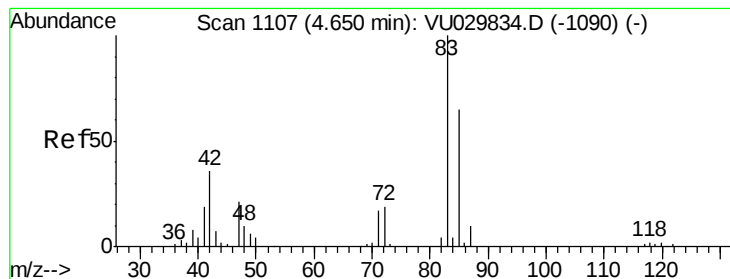
3/8/2019 11:47:54 AM



#40
Methyl acrylate
Concen: 1.715 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion:	55	Resp:	12780
Ion	Ratio	Lower	Upper
55	100		
85	20.4	15.2	22.8
58	8.8	7.6	11.4
42	6.5	7.5	11.3#





#41

Tetrahydrofuran

Concen: 3.303 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

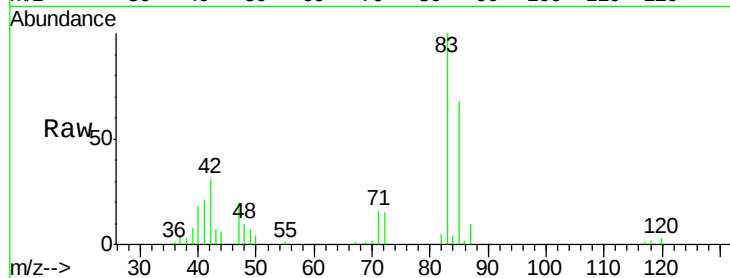
VU0308WBSD01

Tot Ion:	42	Resp:	8147
Ion	Ratio	Lower	Upper
42	100		
72	53.5	43.6	65.4
71	51.4	37.5	56.3

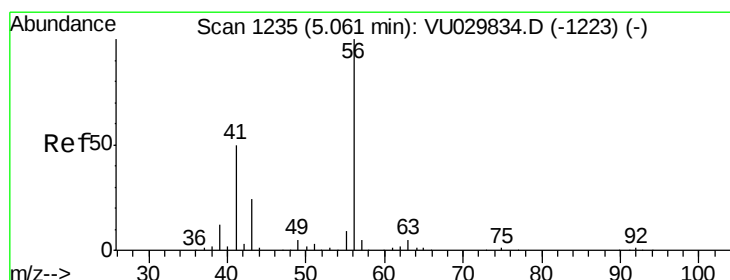
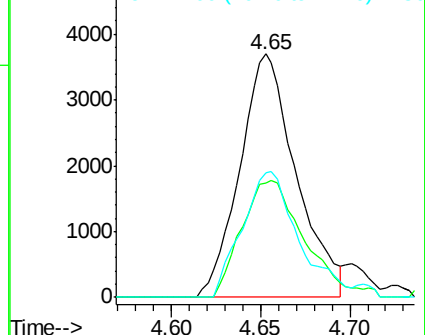
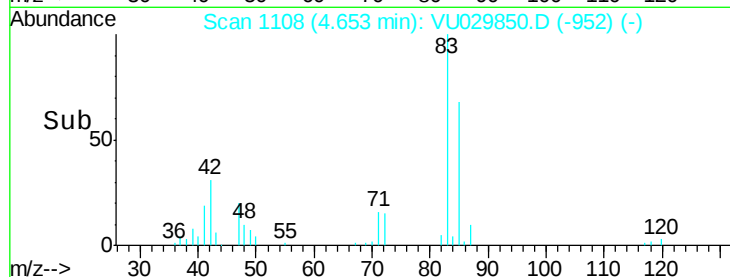
Manual Integrations
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Abundance Ion 42.00 (41.70 to 42.70): VU029850.D (-952) (-)



#42

1-Chlorobutane

Concen: 1.881 ug/l

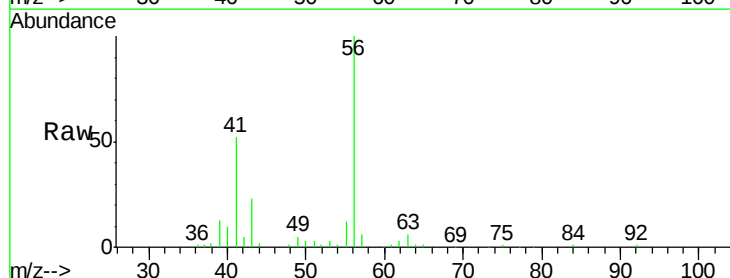
RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

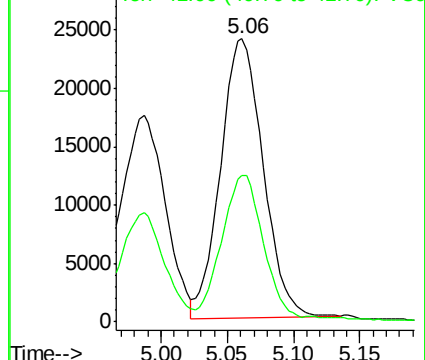
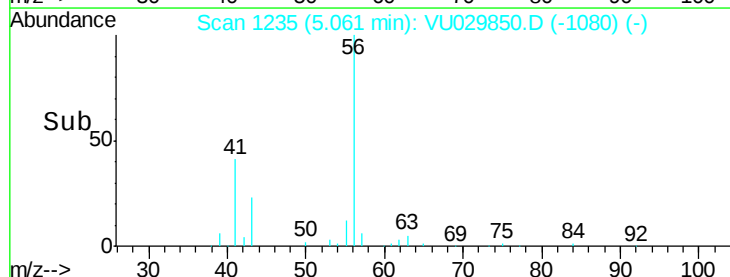
Lab File: VU029850.D

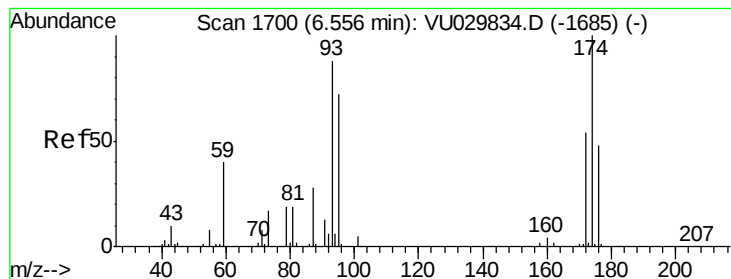
Acq: 07 Mar 2019 13:05

Tgt Ion:	56	Resp:	53201
Ion	Ratio	Lower	Upper
56	100		
41	49.0	25.0	75.0



Abundance Ion 56.00 (55.70 to 56.70): VU029850.D (-1080) (-)





#43

Dibromomethane

Concen: 1.857 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 93 Resp: 15895

Ion Ratio Lower Upper

93 100

95 86.1 67.0 100.6

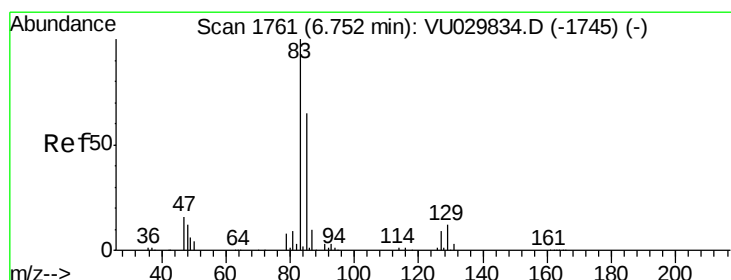
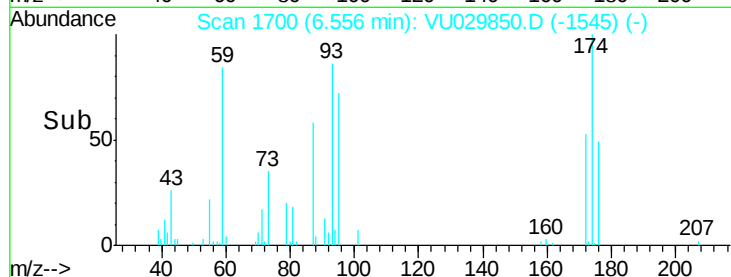
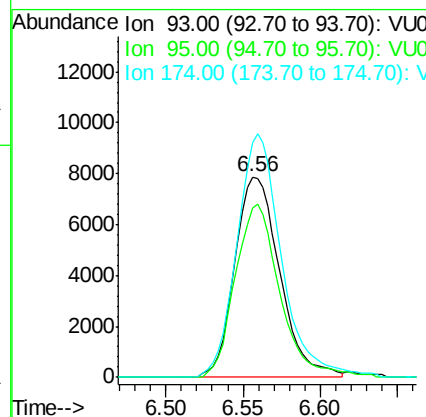
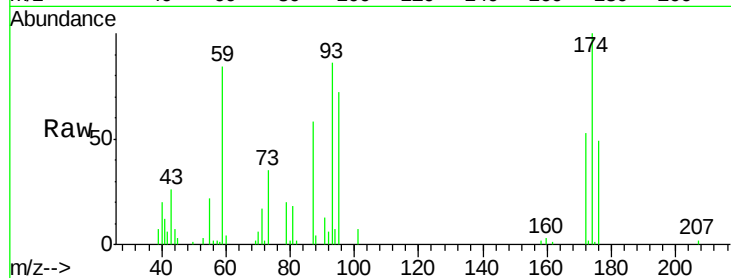
174 120.8 91.4 137.2

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#44

Bromodichloromethane

Concen: 1.848 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

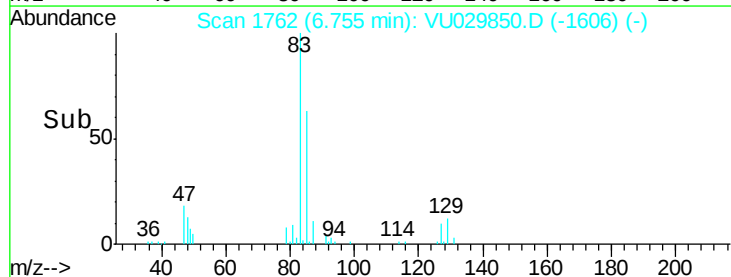
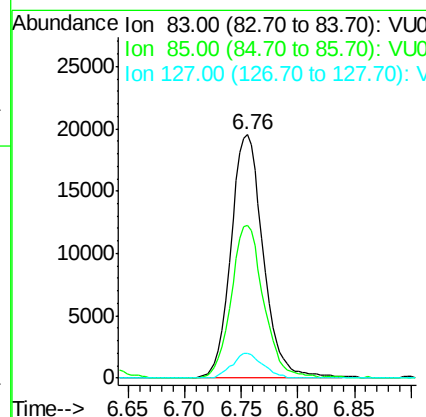
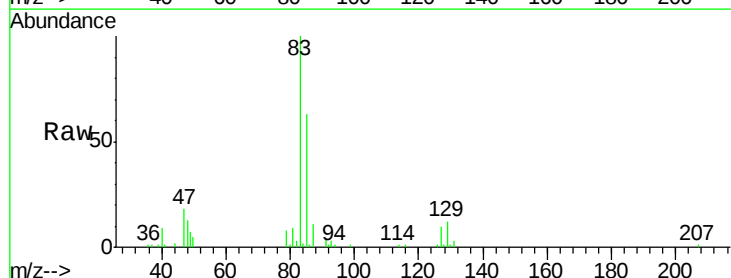
Tgt Ion: 83 Resp: 38845

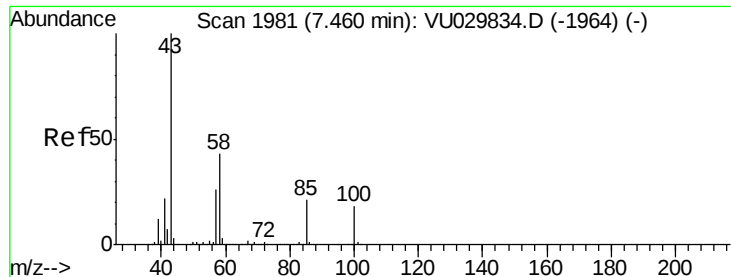
Ion Ratio Lower Upper

83 100

85 62.9 51.7 77.5

127 10.4 7.4 11.2





#45
4-Methyl-2-Pentanone
Concen: 9.371 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

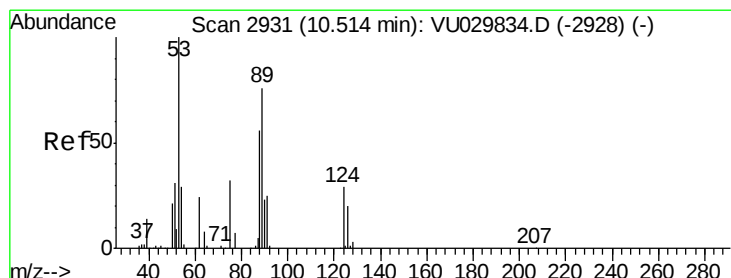
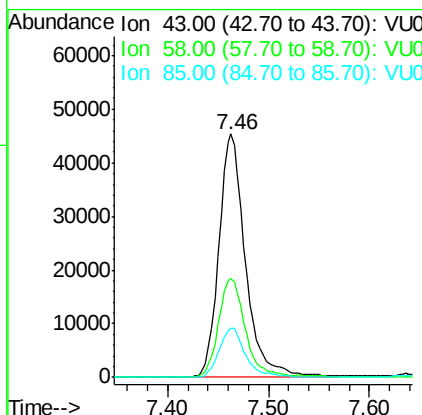
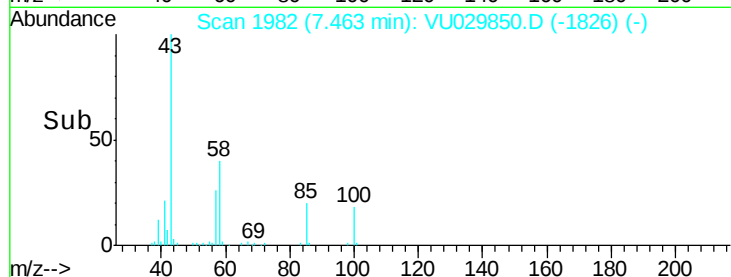
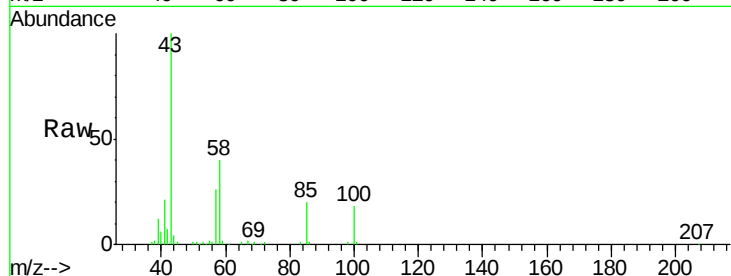
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	21.6	65.0
85	20.2	16.5	24.7

Manual Integrations
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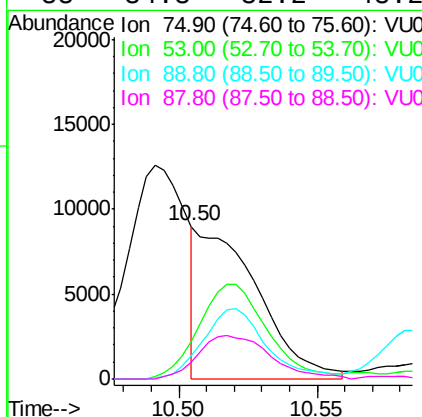
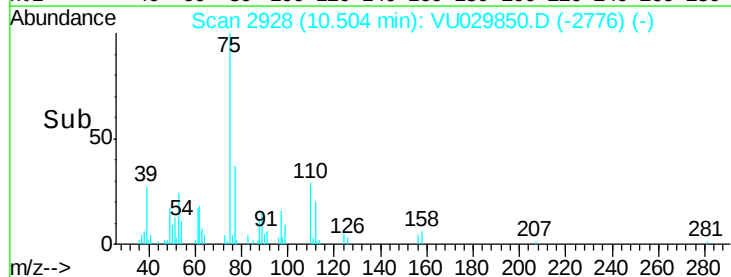
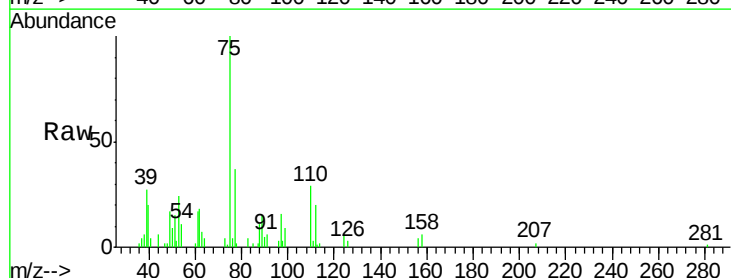
MMDadoda

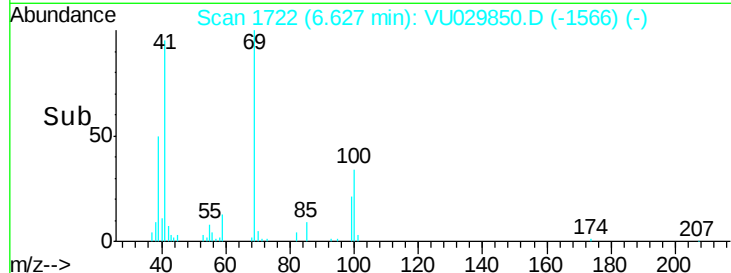
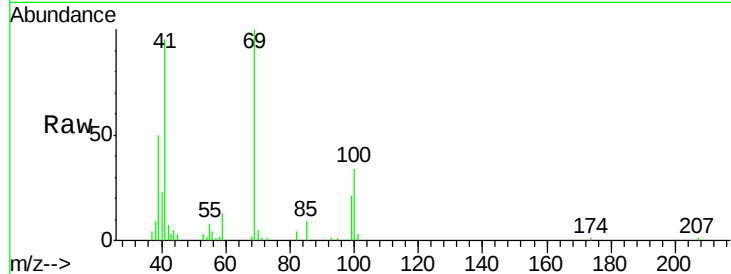
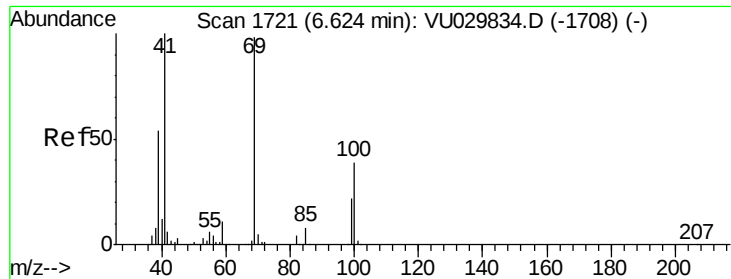
3/8/2019 11:47:54 AM



#46
t-1,4-Dichloro-2-butene
Concen: 3.642 ug/l m
RT: 10.50 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
53	70.4	59.2	88.8
89	48.4	44.9	67.3
88	34.3	32.2	48.2





#47
Methyl methacrylate
Concen: 3.711 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

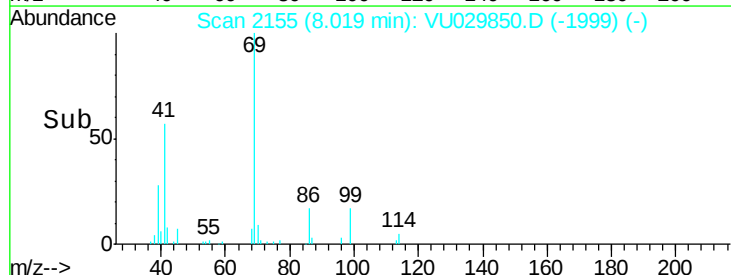
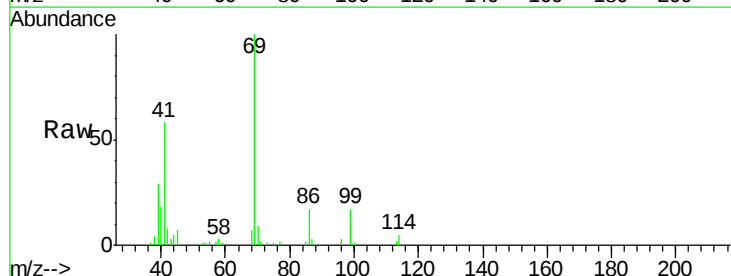
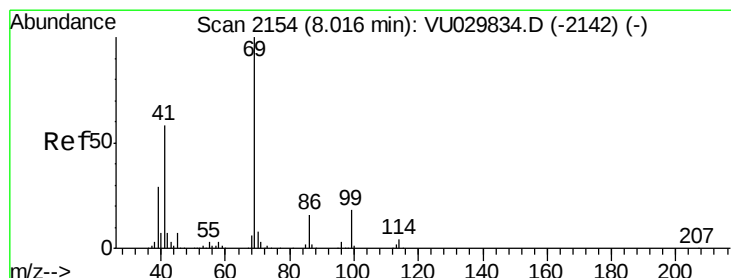
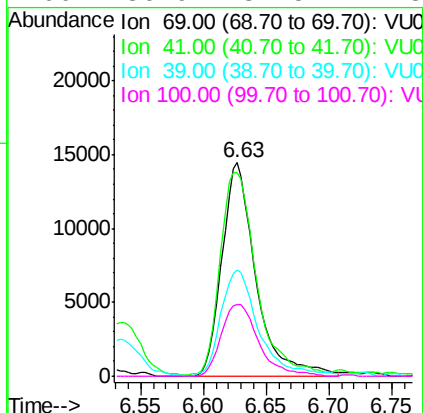
Tot Ion	Ratio	Lower	Upper
69	100		
41	99.7	0.0	201.0
39	55.1	43.3	64.9
100	36.9	31.5	47.3

Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Manual Integrations
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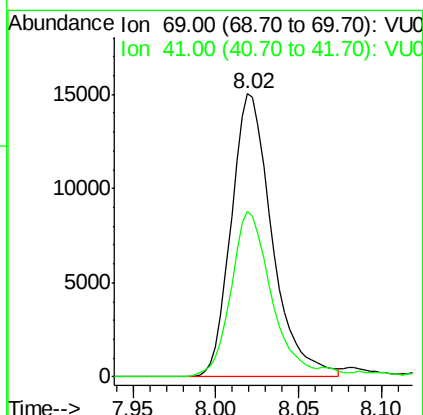
MMDadoda

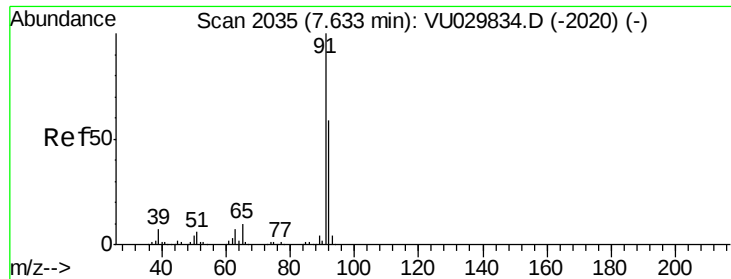
3/8/2019 11:47:54 AM



#48
Ethyl methacrylate
Concen: 1.835 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.1	29.0	87.1





#49

Toluene

Concen: 1.870 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 92 Resp: 74896

Ion Ratio Lower Upper

92 100

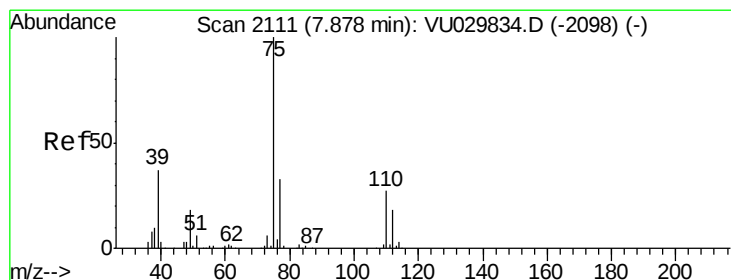
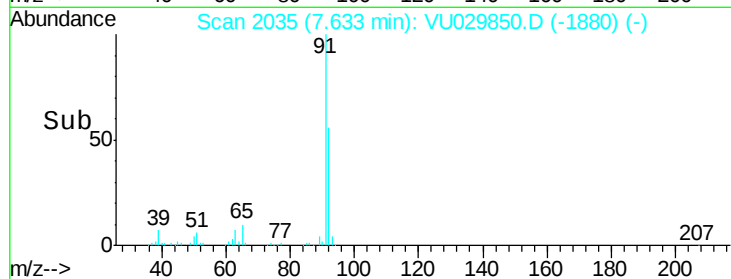
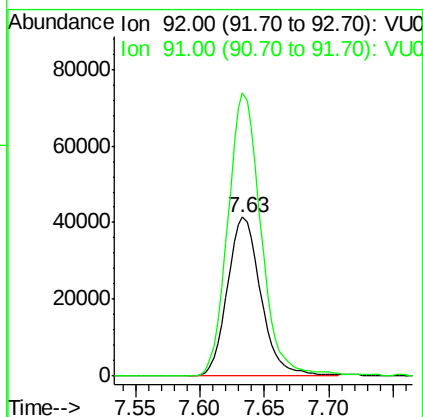
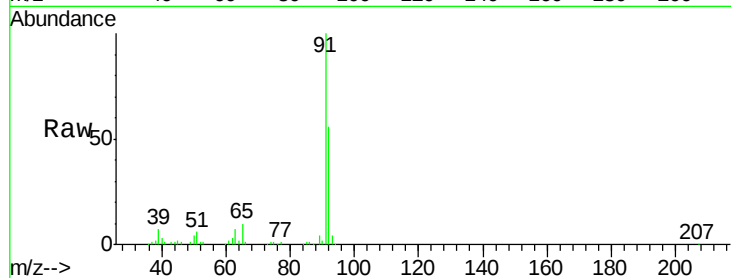
91 176.4 137.8 206.8

Manual Integrations

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3/8/2019 11:47:54 AM



#50

t-1,3-Dichloropropene

Concen: 1.751 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029850.D

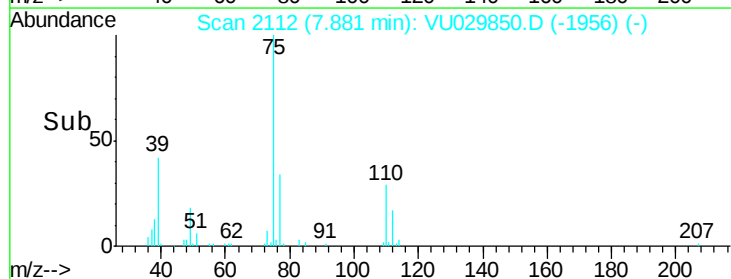
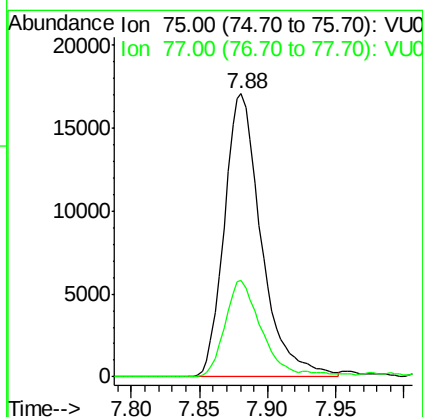
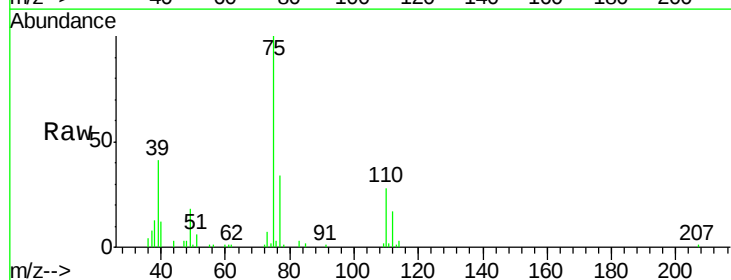
Acq: 07 Mar 2019 13:05

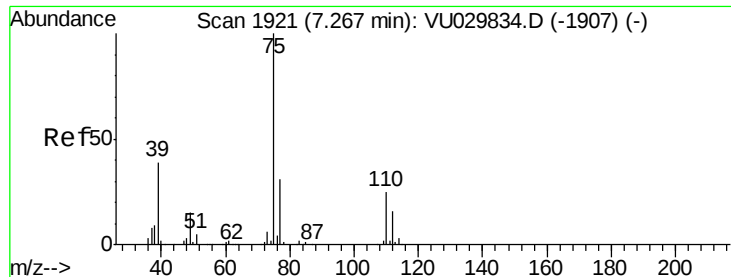
Tgt Ion: 75 Resp: 32253

Ion Ratio Lower Upper

75 100

77 34.0 26.4 39.6





#51

cis-1,3-Dichloropropene
 Concen: 1.818 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

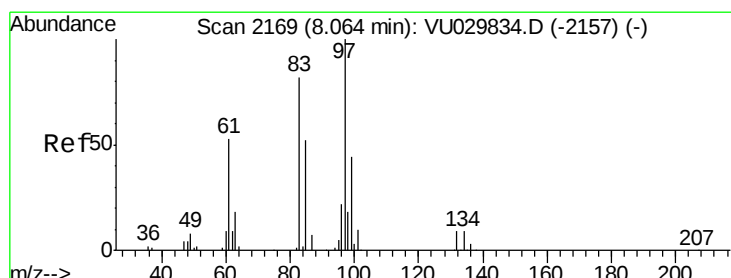
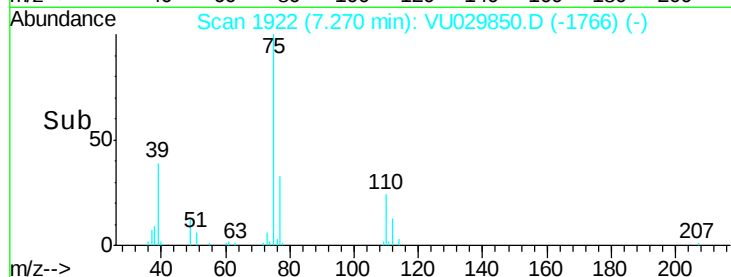
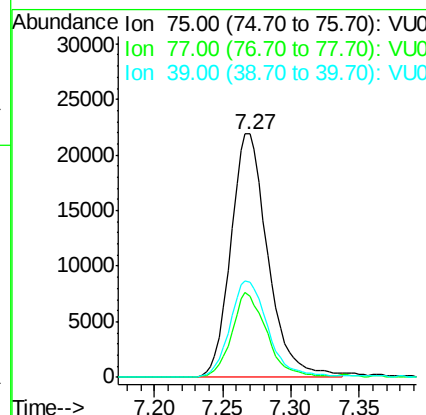
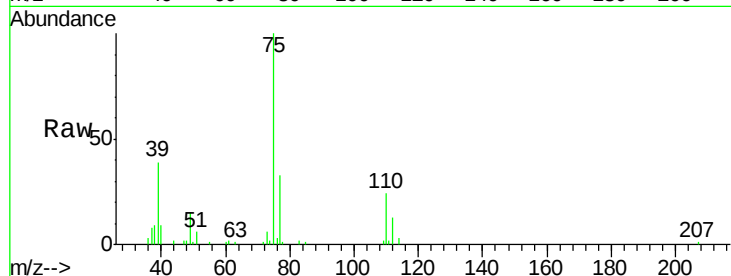
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.9	37.3
39	39.0	30.8	46.2

Manual Integrations
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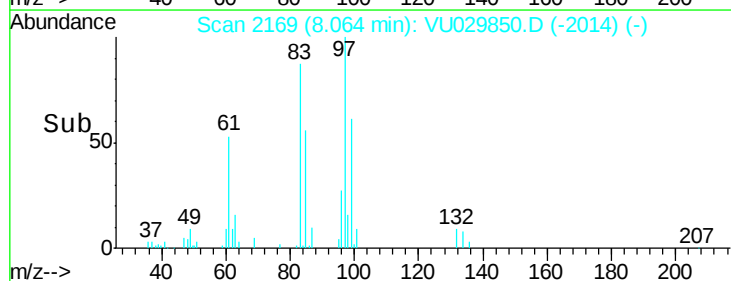
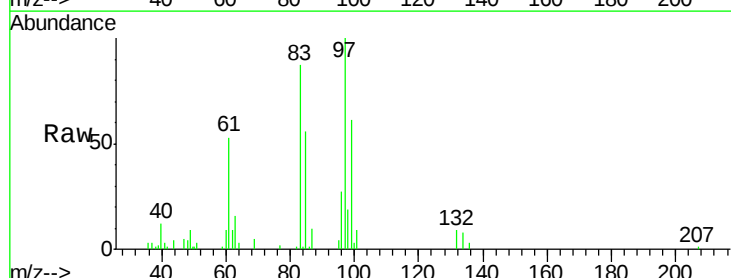
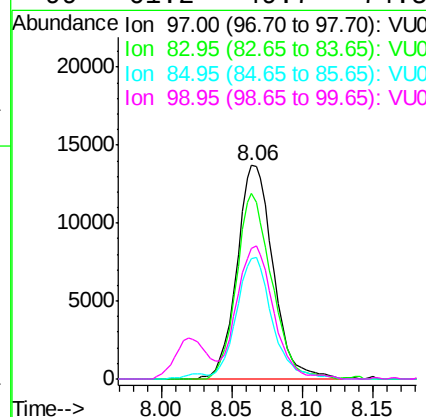
3/8/2019 11:47:54 AM

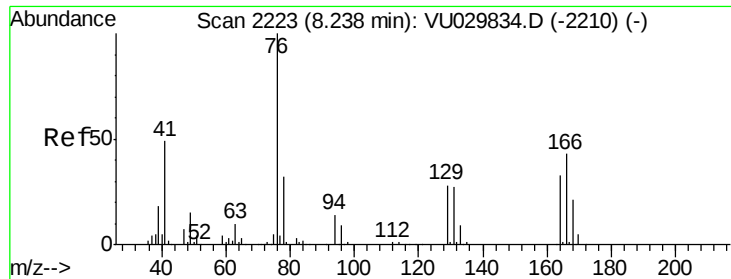


#52

1,1,2-Trichloroethane
 Concen: 1.943 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	65.9	98.9
85	56.5	43.0	64.6
99	61.2	49.7	74.5





#53
 1,3-Dichloropropane
 Concen: 1.880 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

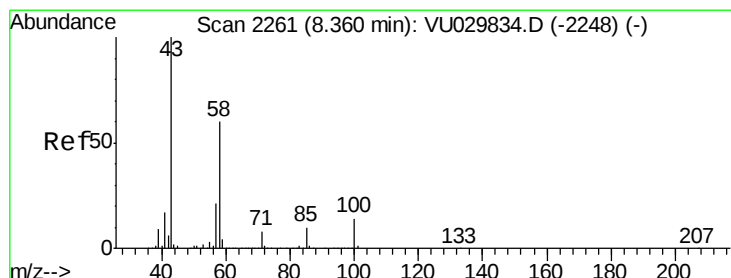
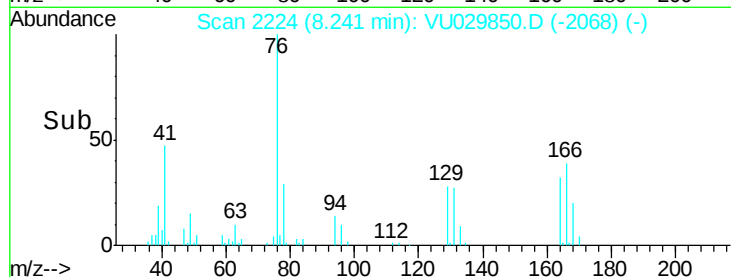
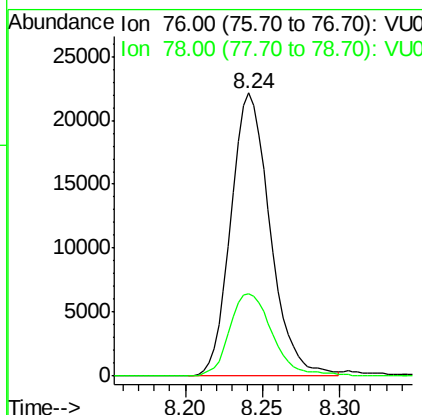
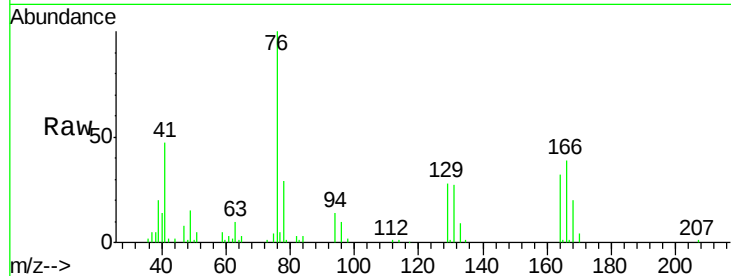
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion: 76 Resp: 39066
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

Manual Integrations
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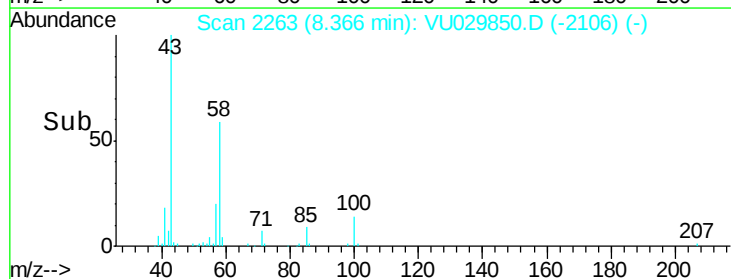
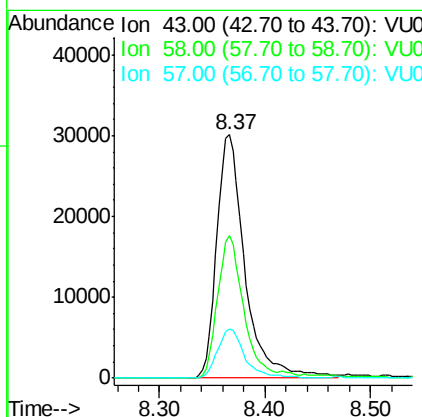
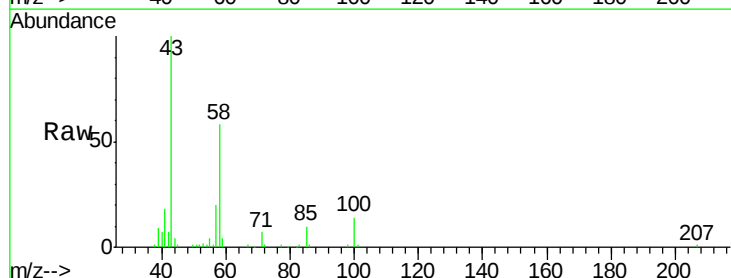
MMDadoda

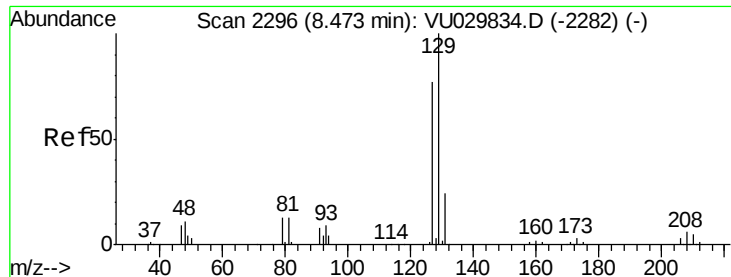
3/8/2019 11:47:54 AM



#54
 2-Hexanone
 Concen: 9.014 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion: 43 Resp: 55873
 Ion Ratio Lower Upper
 43 100
 58 55.4 39.6 79.6
 57 19.5 0.5 40.5





#55
 Dibromochloromethane
 Concen: 1.843 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

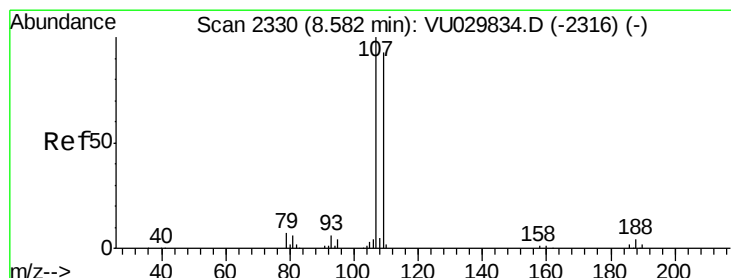
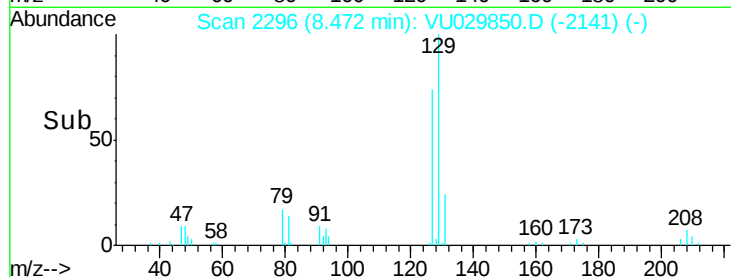
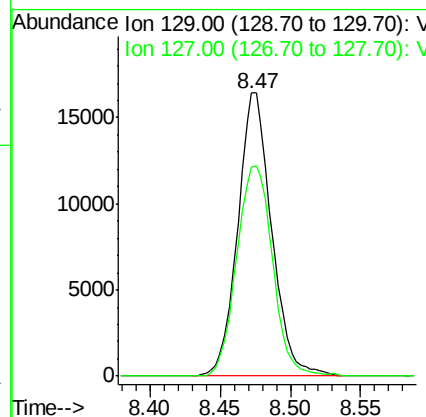
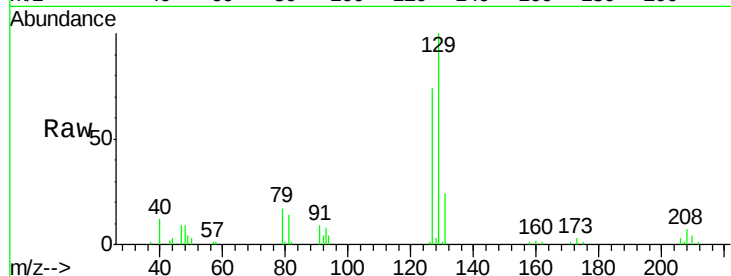
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		27701		
127	78.4	61.6	92.4		

Manual Integrations
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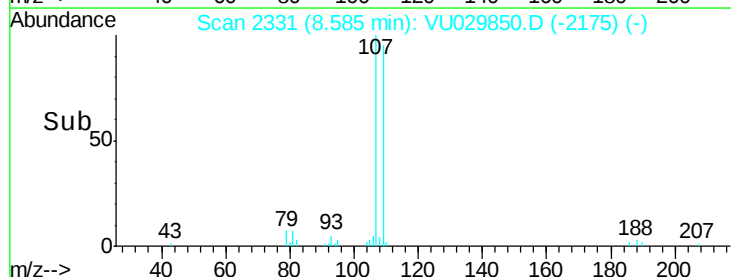
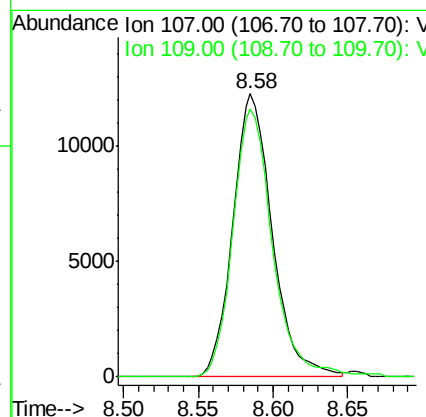
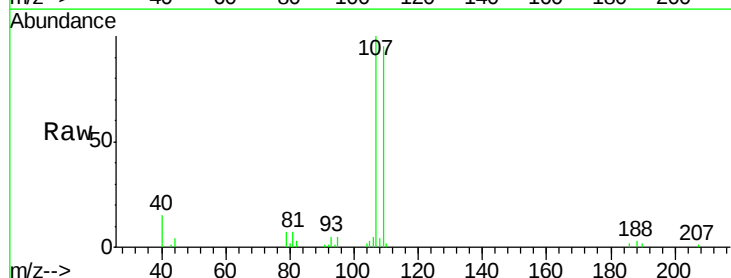
MMDadoda

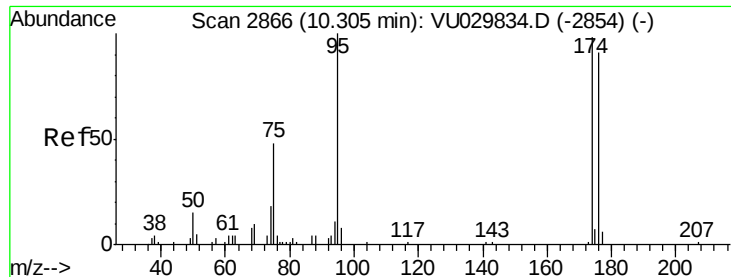
3/8/2019 11:47:54 AM



#56
 1,2-Dibromoethane
 Concen: 1.870 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		22457		
109	95.6	0.0	188.4		





#57

4-Bromofluorobenzene

Concen: 1.870 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

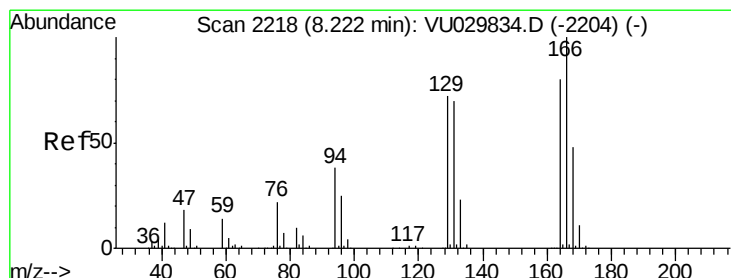
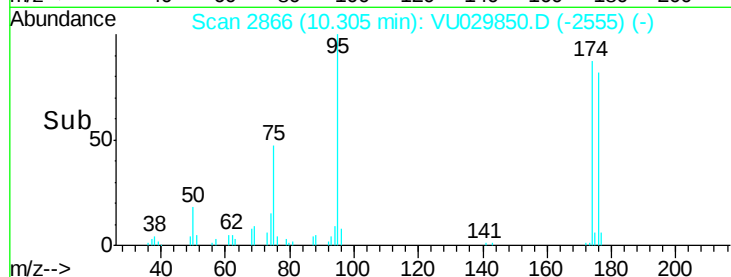
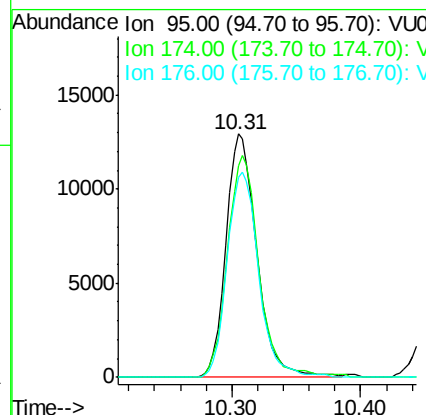
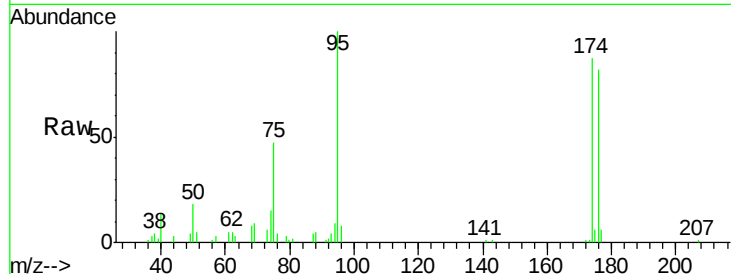
VU0308WBSD01

Tot Ion:	95	Resp:	21496
Ion	Ratio	Lower	Upper
95	100		
174	93.2	76.5	114.7
176	85.3	74.2	111.2

Manual Integrations
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3/8/2019 11:47:54 AM



#58

Tetrachloroethene

Concen: 1.964 ug/l

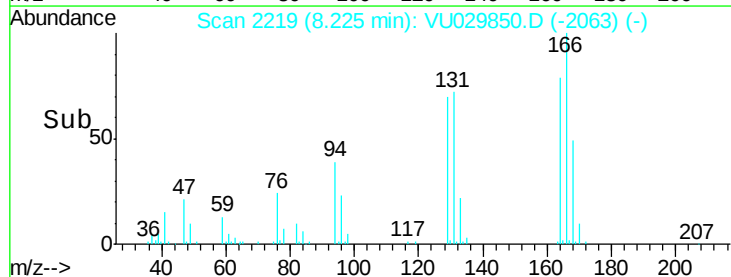
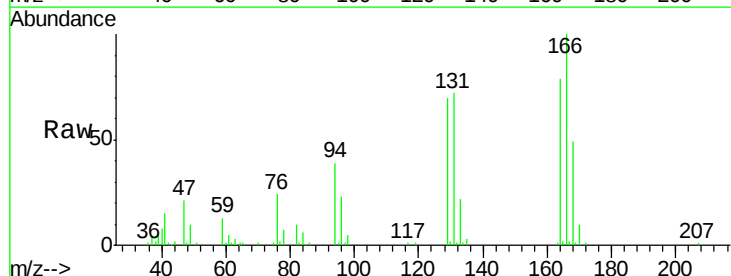
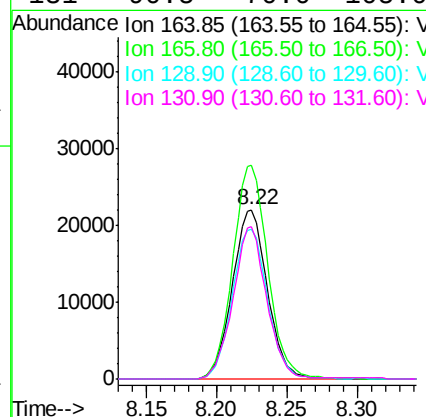
RT: 8.22 min Scan# 2219

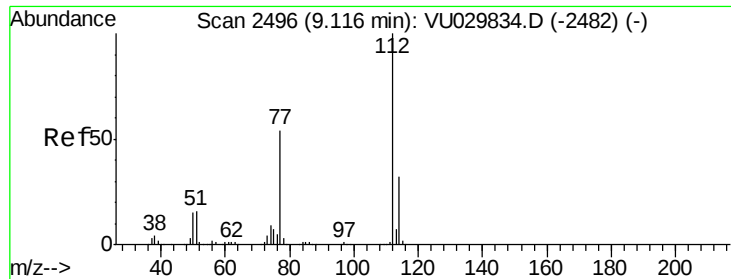
Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Tgt Ion:	164	Resp:	38199
Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.5	150.7
129	89.0	72.3	108.5
131	90.5	70.0	105.0





#59
Chlorobenzene
Concen: 1.876 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

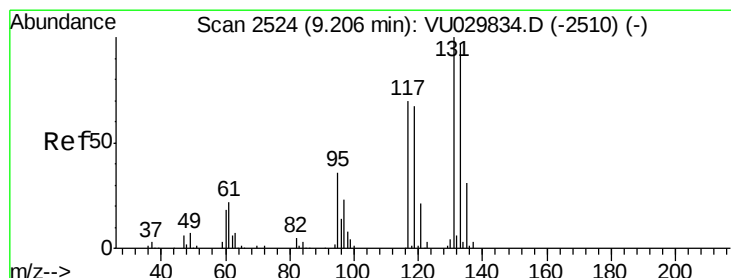
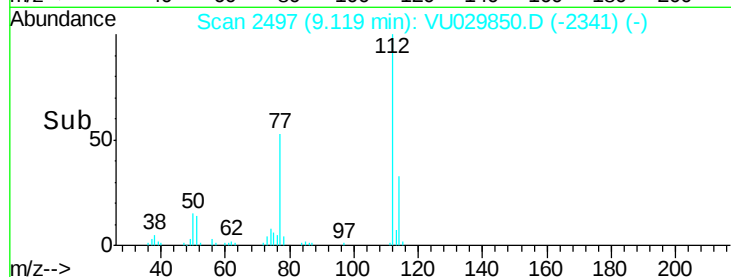
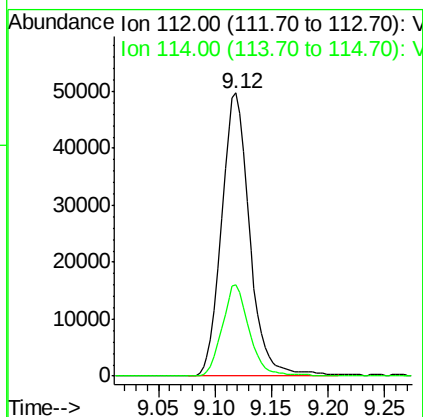
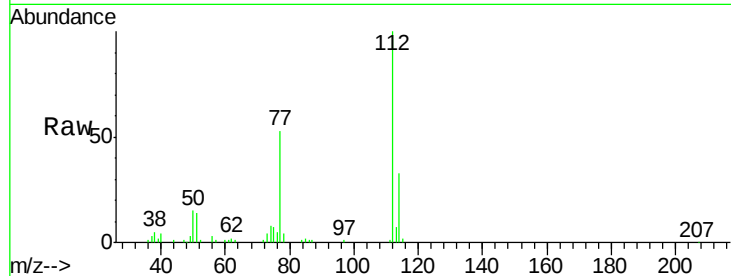
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2

Manual Integrations
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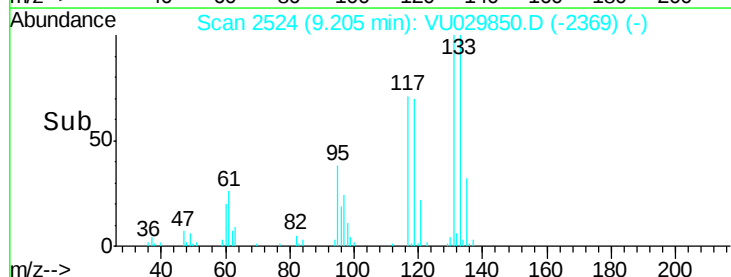
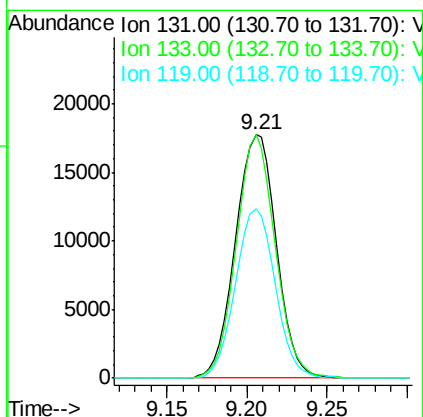
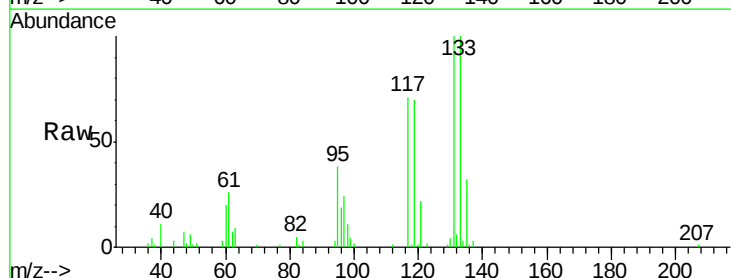
MMDadoda

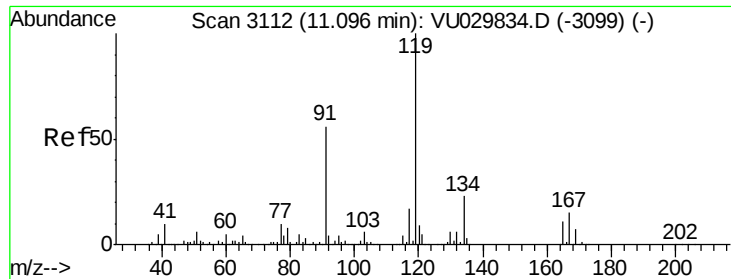
3/8/2019 11:47:54 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.872 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.4	114.6
119	67.5	54.2	81.4





#61
 Pentachloroethane
 Concen: 1.812 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

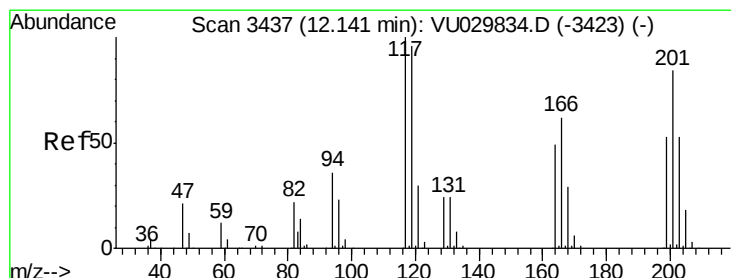
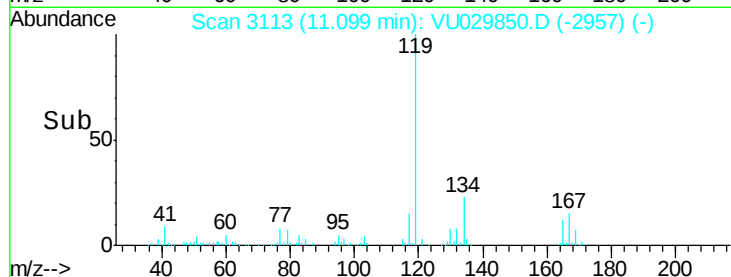
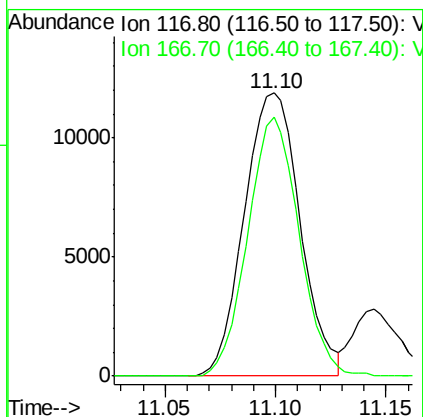
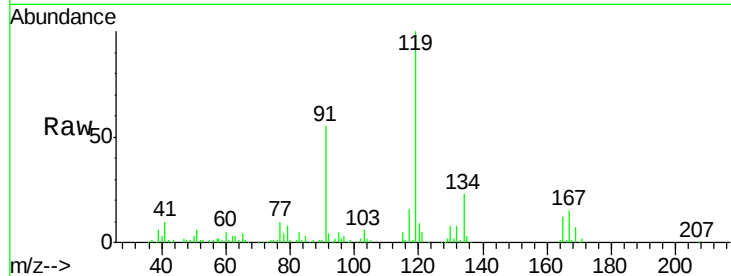
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion:117 Resp: 20837
 Ion Ratio Lower Upper
 117 100
 167 84.1 71.4 107.2

Manual Integrations
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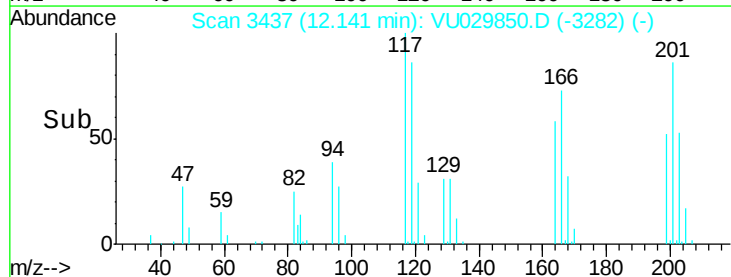
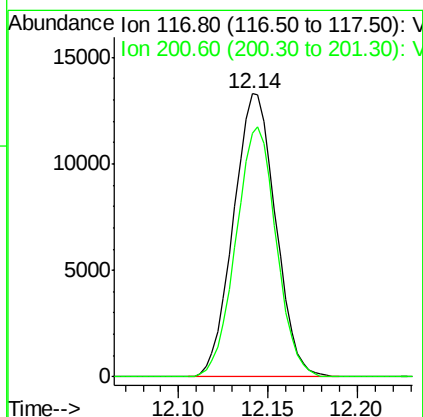
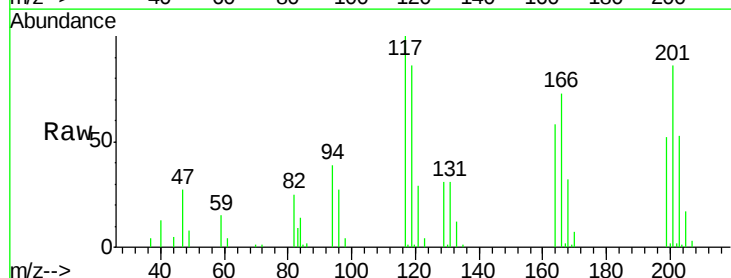
MMDadoda

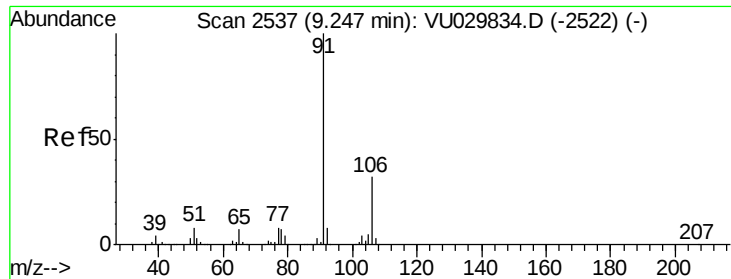
3/8/2019 11:47:54 AM



#62
 Hexachloroethane
 Concen: 1.815 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion:117 Resp: 21957
 Ion Ratio Lower Upper
 117 100
 201 84.3 68.2 102.2





#63

Ethyl Benzene

Concen: 1.812 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 91 Resp: 136646

Ion Ratio Lower Upper

91 100

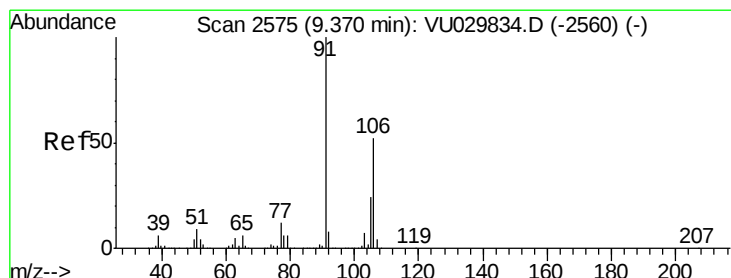
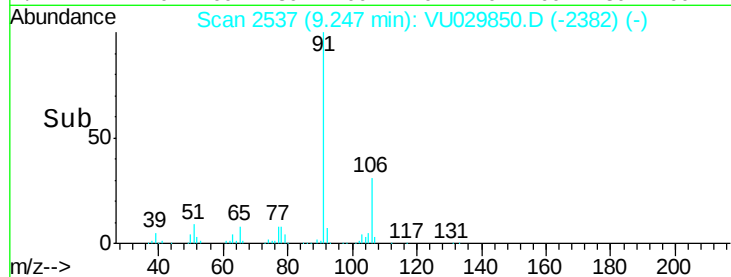
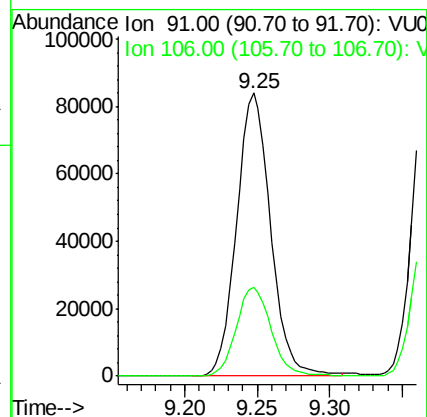
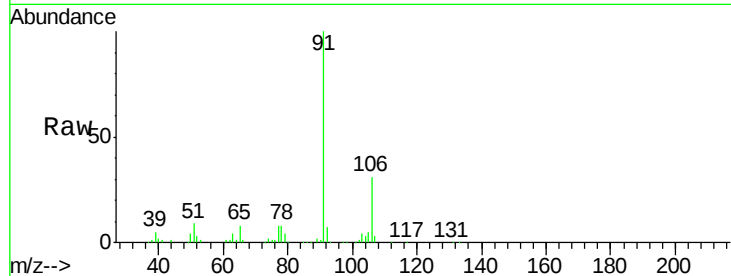
106 31.2 25.7 38.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.679 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029850.D

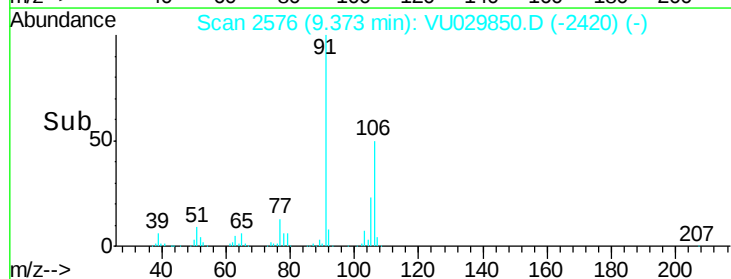
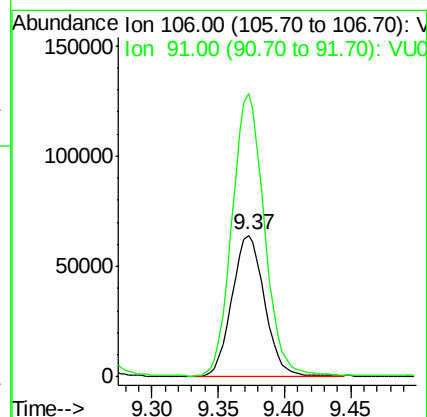
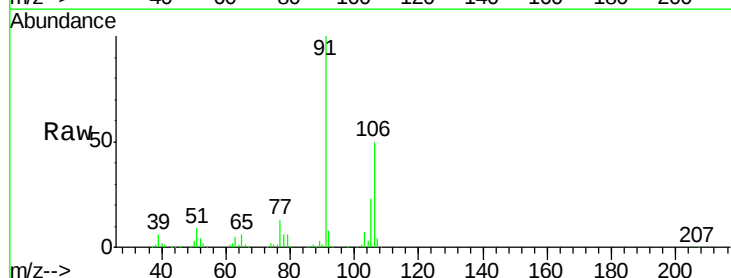
Acq: 07 Mar 2019 13:05

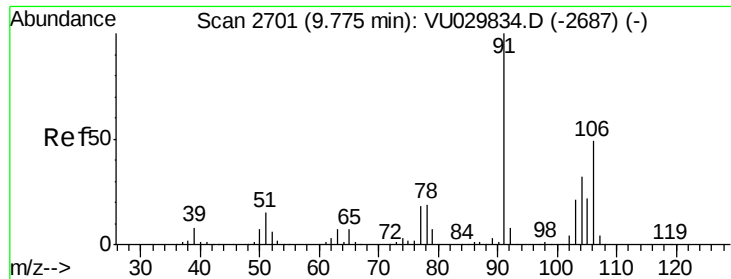
Tgt Ion: 106 Resp: 109688

Ion Ratio Lower Upper

106 100

91 197.2 155.3 232.9





#65
o-Xylene
Concen: 1.870 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

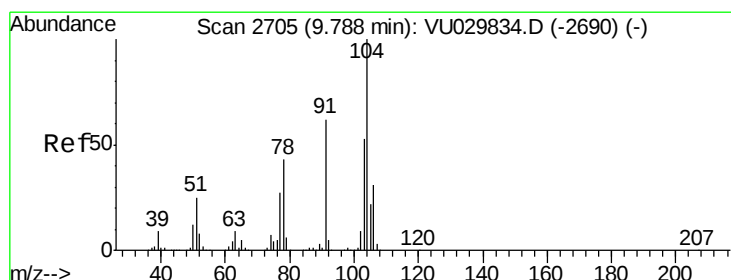
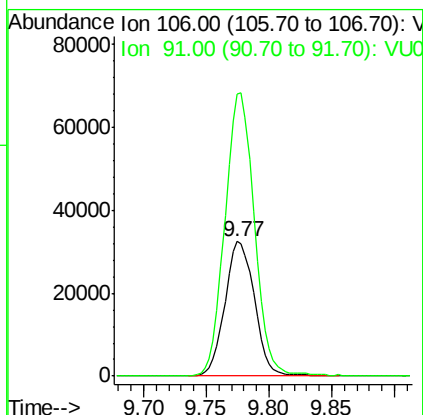
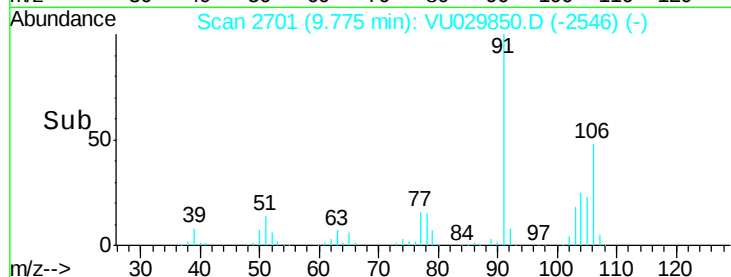
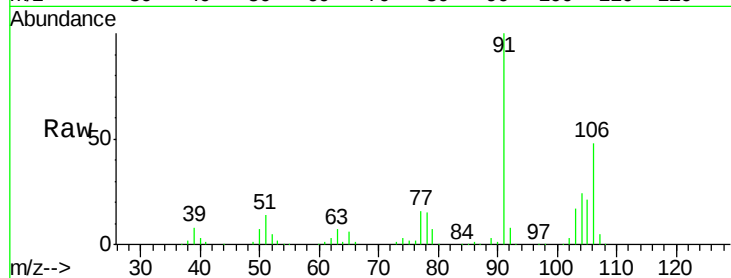
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion:106 Resp: 53538
Ion Ratio Lower Upper
106 100
91 209.0 102.8 308.3

Manual Integrations
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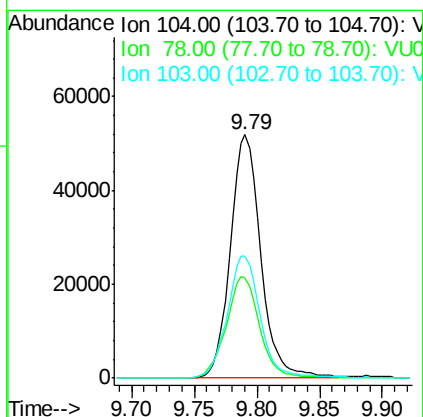
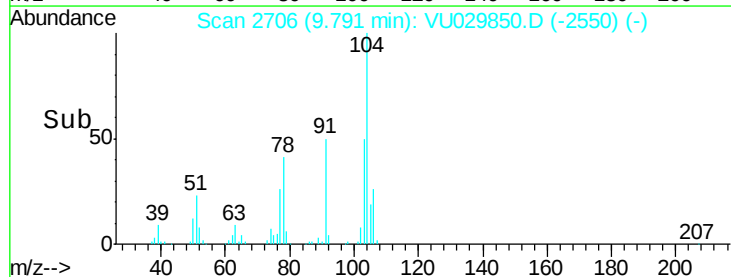
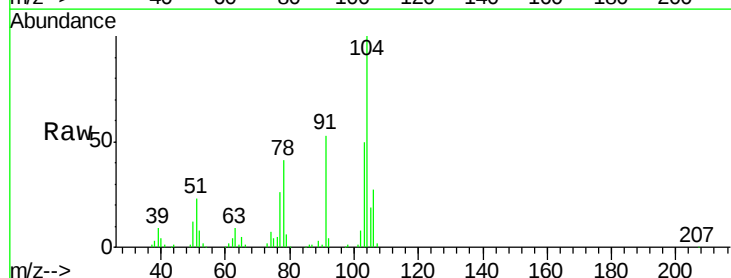
MMDadoda

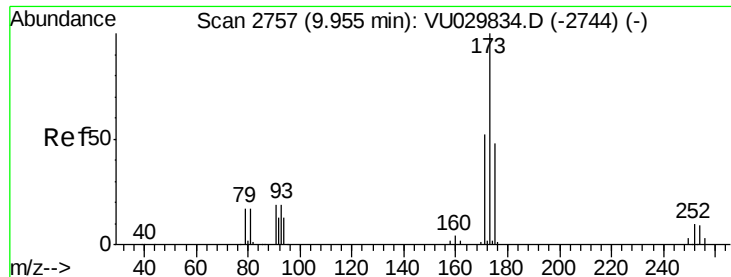
3/8/2019 11:47:54 AM



#66
Styrene
Concen: 1.842 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion:104 Resp: 87613
Ion Ratio Lower Upper
104 100
78 45.8 37.2 55.8
103 54.2 44.7 67.1





#67

Bromoform

Concen: 1.858 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

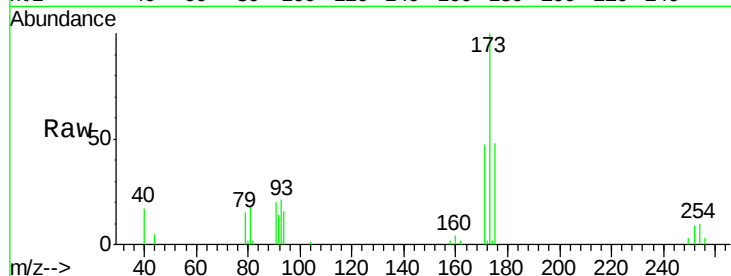
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	57.8
254	9.2	7.4	11.2

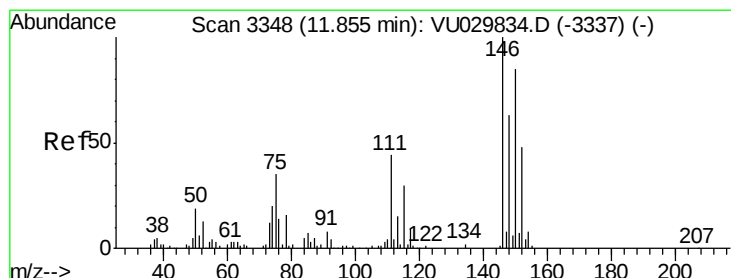
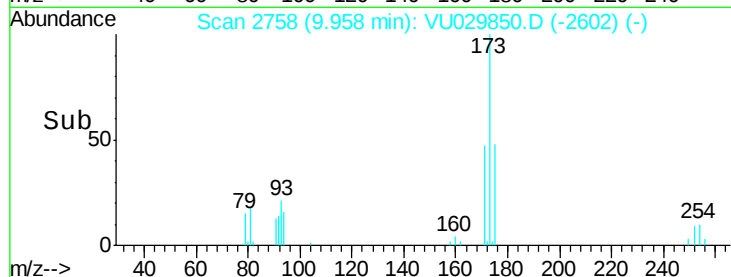
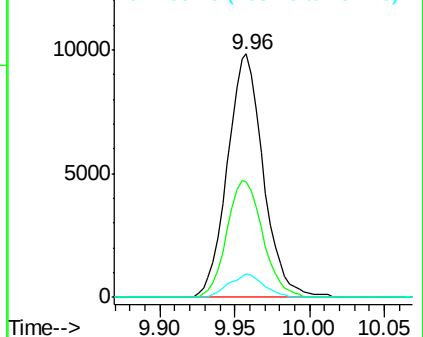
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.858 ug/l

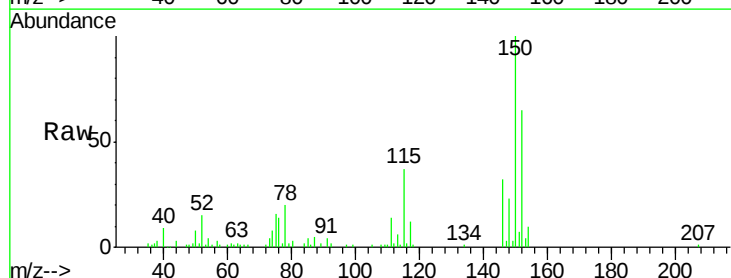
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

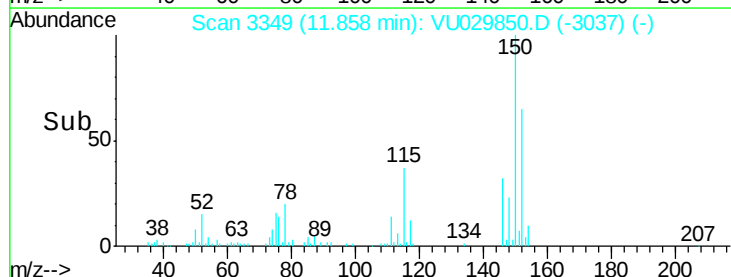
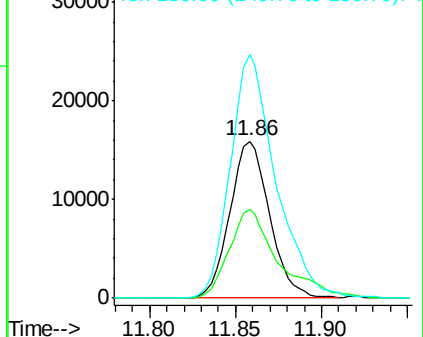
Lab File: VU029850.D

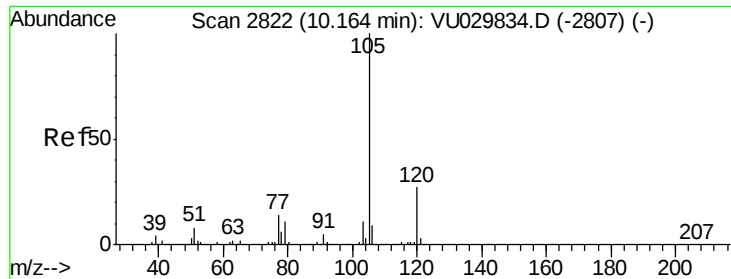
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.2	0.0	124.0
150	177.6	0.0	631.2



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: 1.833 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleID :

VU0308WBSD01

Tot Ion: 105 Resp: 139204

Ion Ratio Lower Upper

105 100

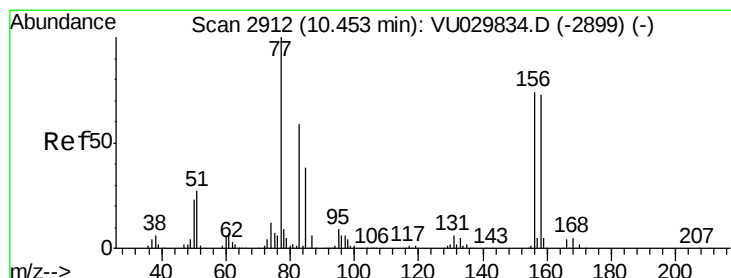
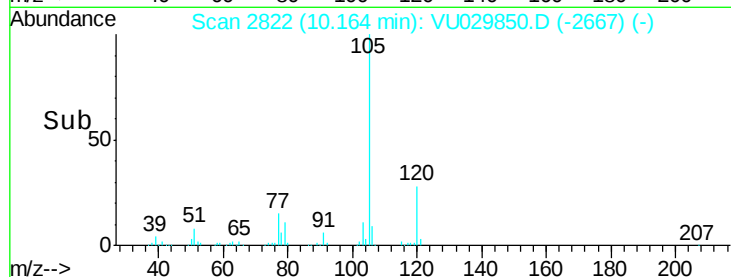
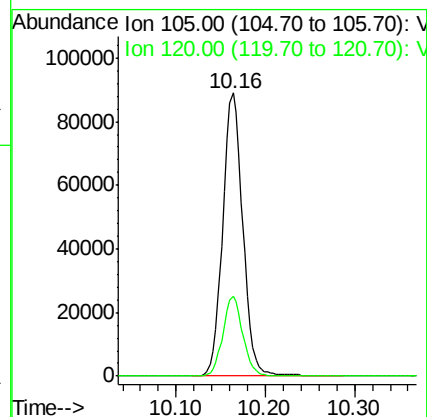
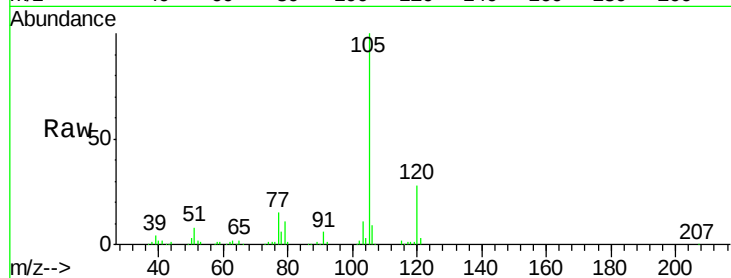
120 27.8 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.924 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

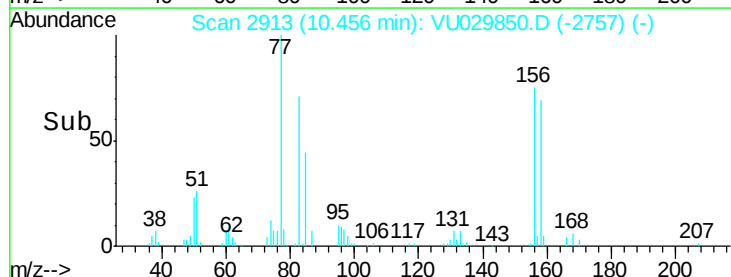
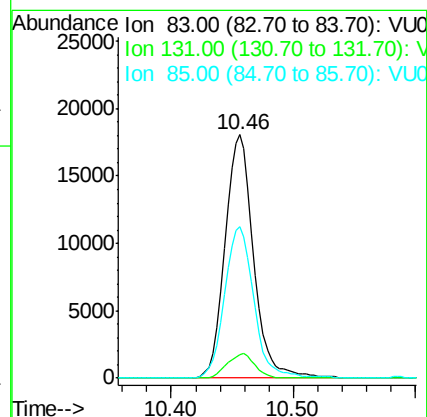
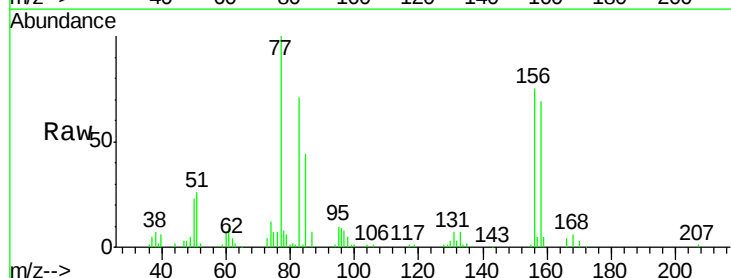
Tgt Ion: 83 Resp: 29720

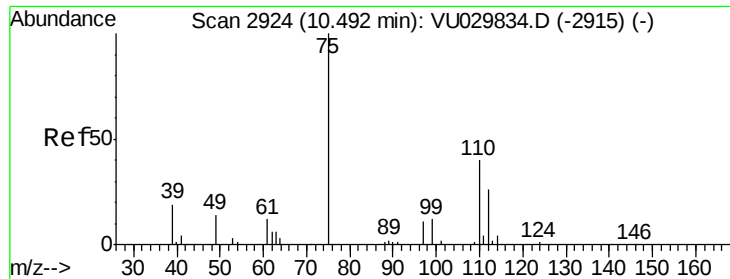
Ion Ratio Lower Upper

83 100

131 9.7 8.3 12.5

85 63.5 52.5 78.7





#71
1,2,3-Trichloropropane
Concen: 1.791 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

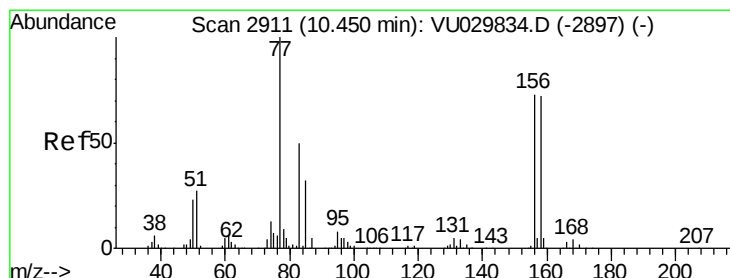
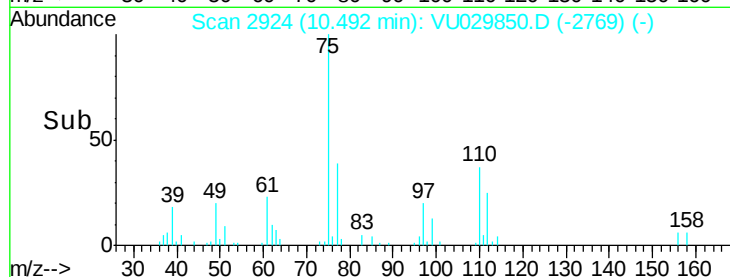
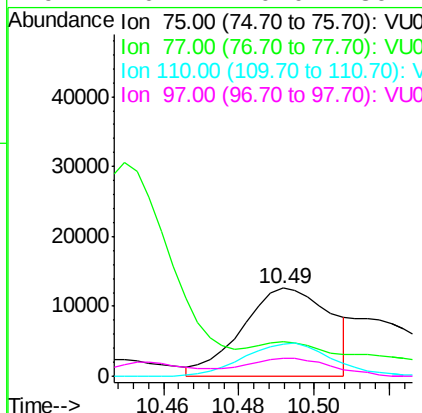
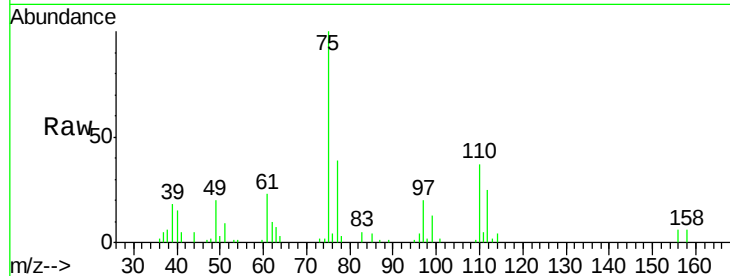
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion:	75	Resp:	20559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	16.4
110	37.7	0.0	74.8
97	20.1	0.0	39.4

Manual Integrations
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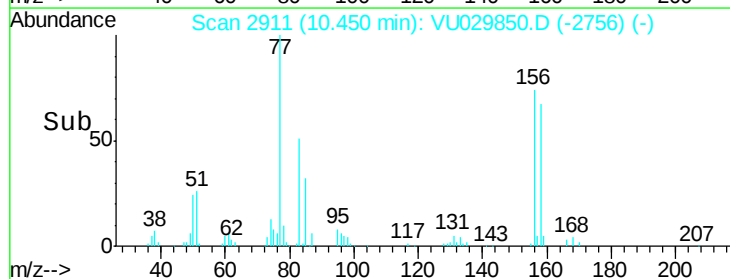
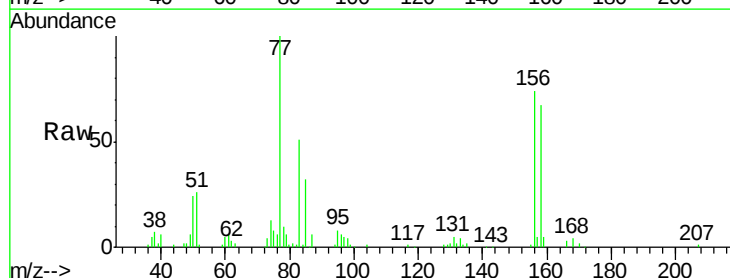
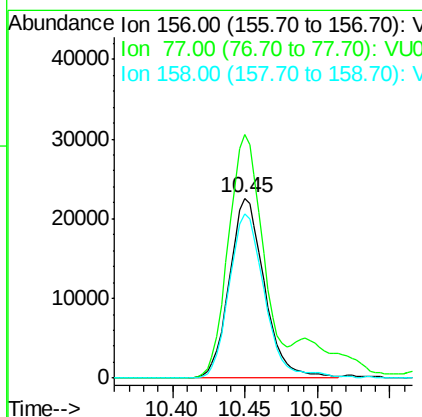
MMDadoda

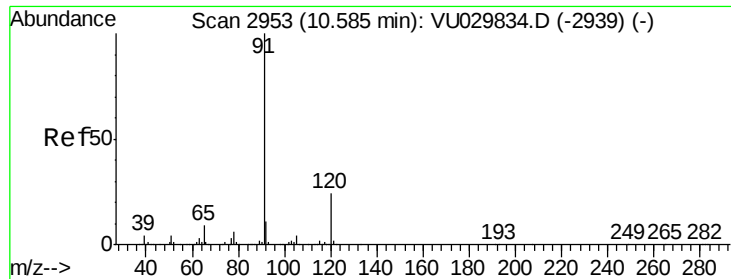
3/8/2019 11:47:54 AM



#72
Bromobenzene
Concen: 1.884 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion:	156	Resp:	37873
Ion Ratio	Lower	Upper	
156	100		
77	133.3	0.0	282.2
158	92.5	0.0	196.2





#73
n-propylbenzene
Concen: 1.891 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

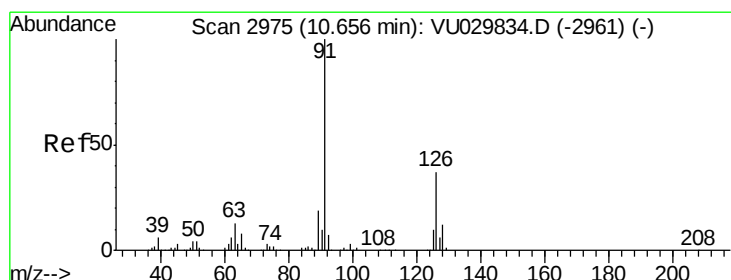
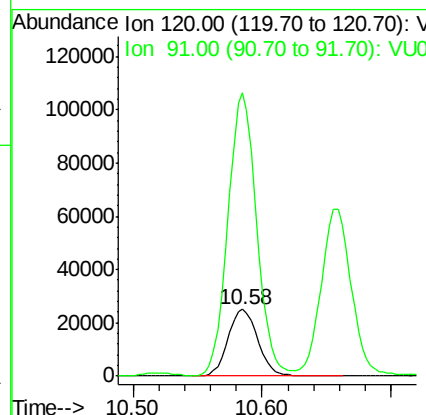
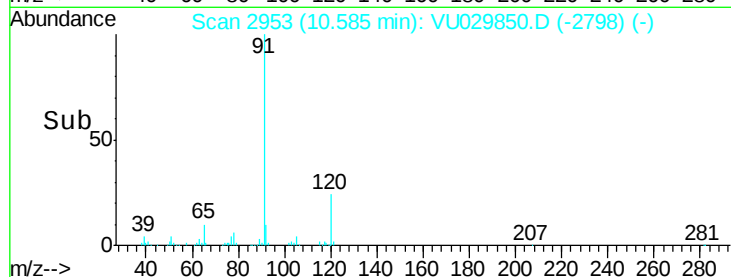
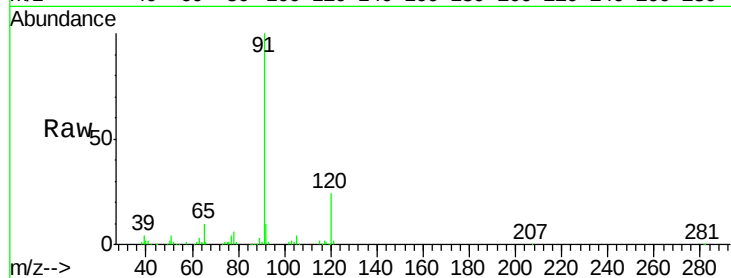
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion:120 Resp: 40365
Ion Ratio Lower Upper
120 100
91 403.6 333.4 500.2

Manual Integrations
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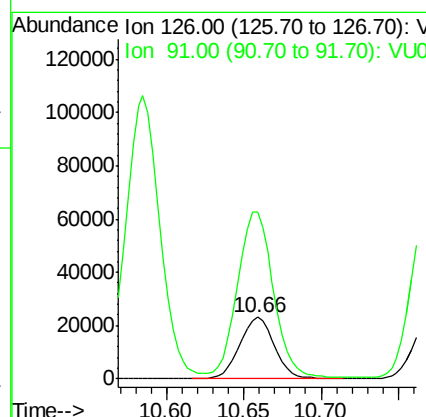
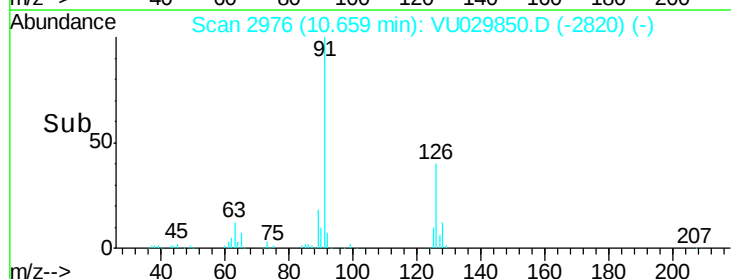
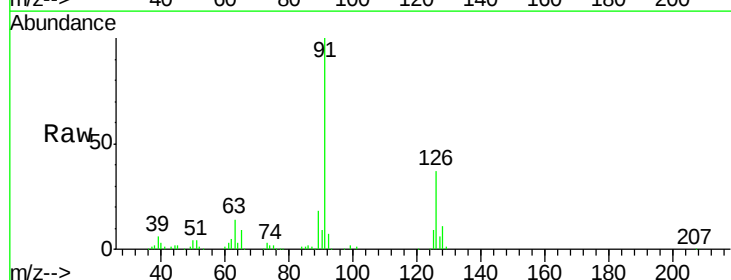
MMDadoda

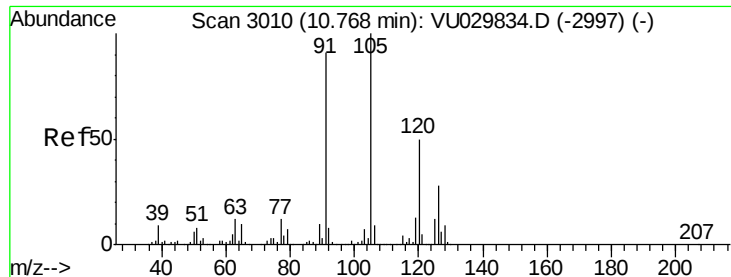
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#74
2-Chlorotoluene
Concen: 1.906 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion:126 Resp: 36091
Ion Ratio Lower Upper
126 100
91 280.9 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 1.843 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion:105 Resp: 117910

Ion Ratio Lower Upper

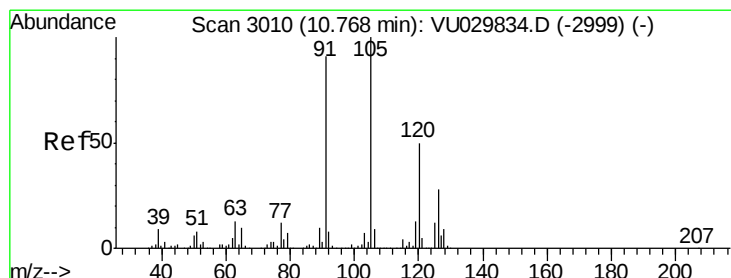
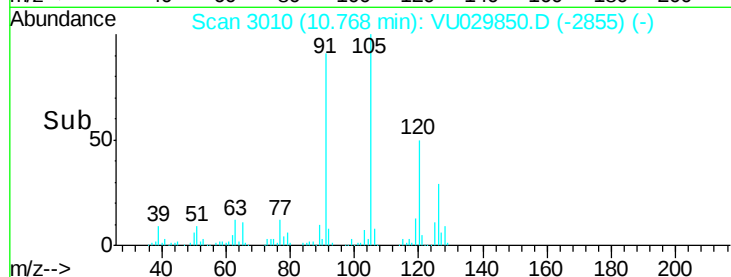
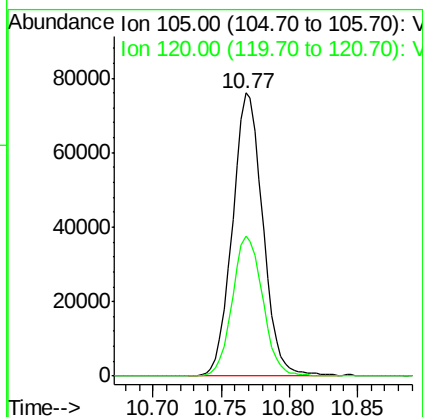
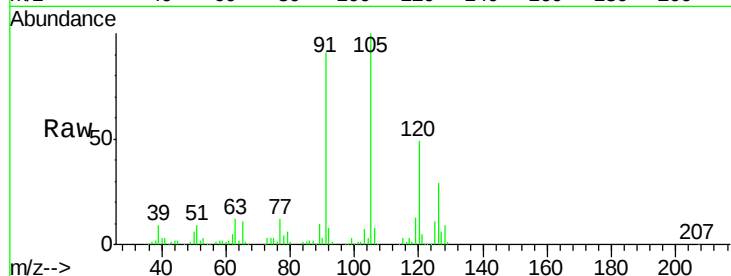
105 100

120 49.4 40.0 60.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.908 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029850.D

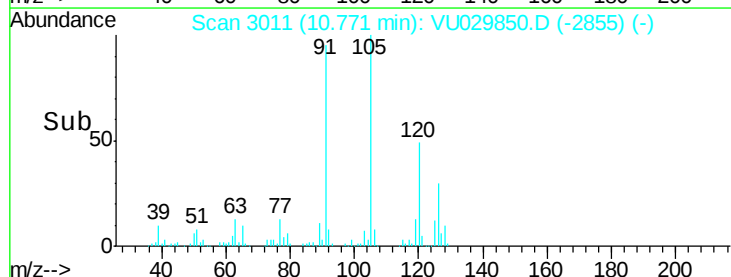
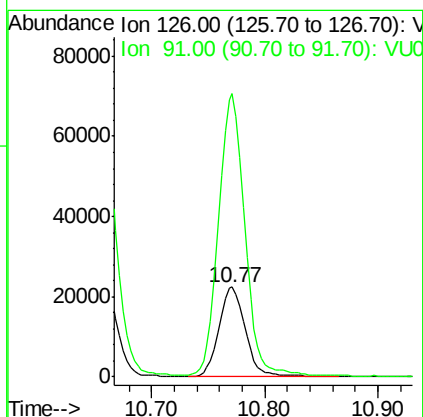
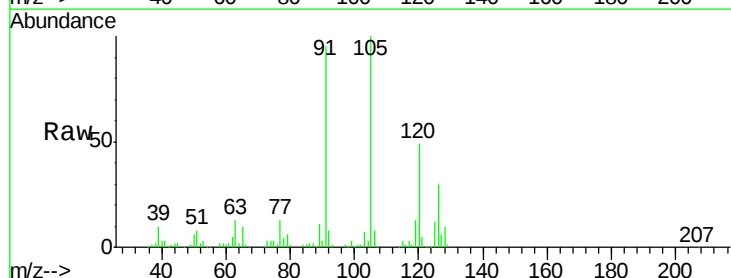
Acq: 07 Mar 2019 13:05

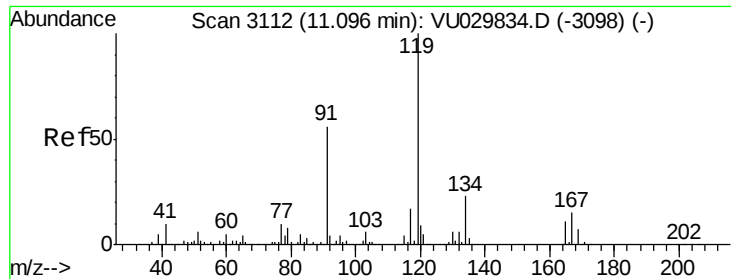
Tgt Ion:126 Resp: 36830

Ion Ratio Lower Upper

126 100

91 307.6 0.0 634.8





#77

tert-Butylbenzene

Concen: 1.846 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

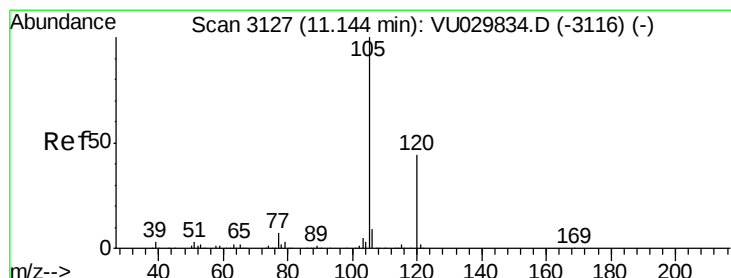
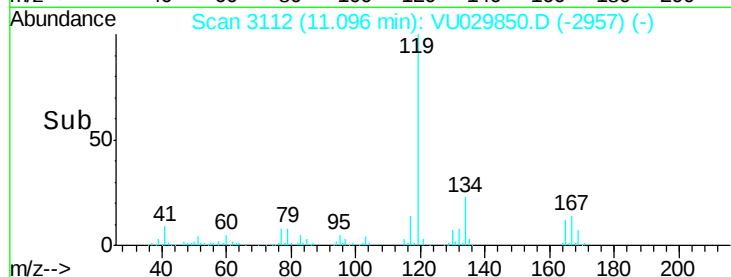
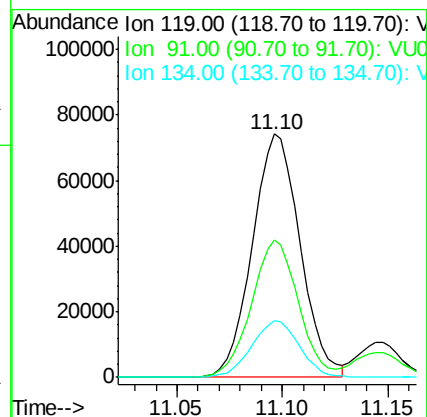
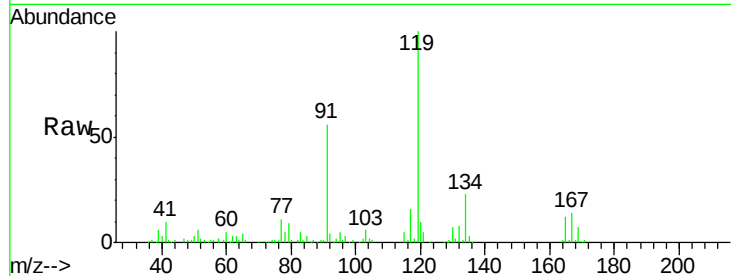
VU0308WBSD01

Tot Ion:	119	Resp:	116818
Ion Ratio	Lower	Upper	
119	100		
91	55.2	27.7	83.1
134	23.2	18.7	28.1

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#78

1,2,4-Trimethylbenzene

Concen: 1.819 ug/l

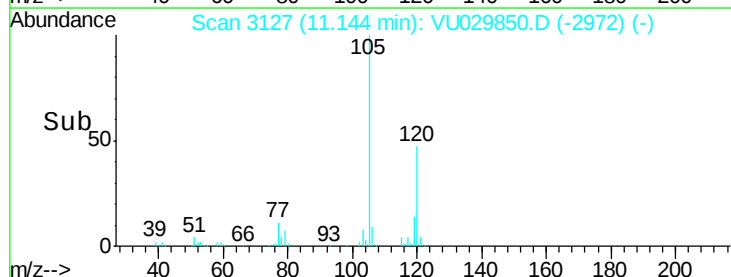
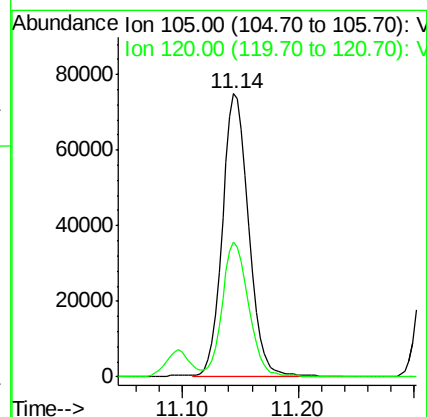
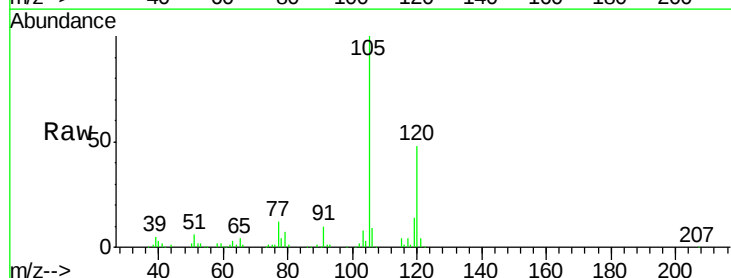
RT: 11.14 min Scan# 3127

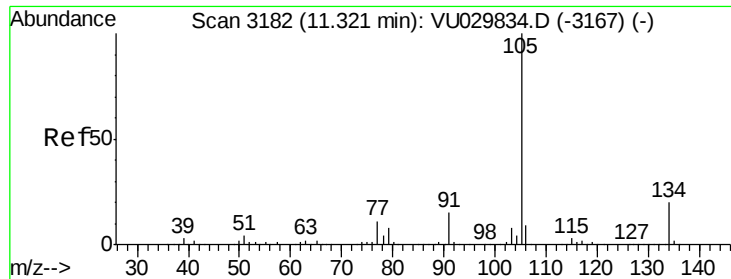
Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Tgt Ion:	105	Resp:	117587
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.5	70.5





#79

sec-Butylbenzene

Concen: 1.892 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion: 105 Resp: 158711

Ion Ratio Lower Upper

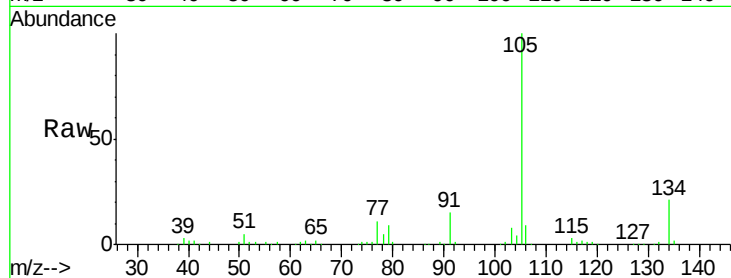
105 100

134 20.4 16.3 24.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

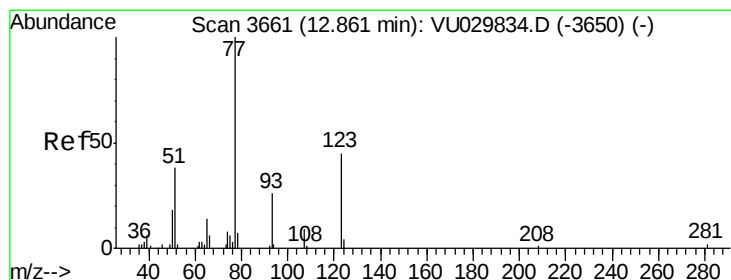
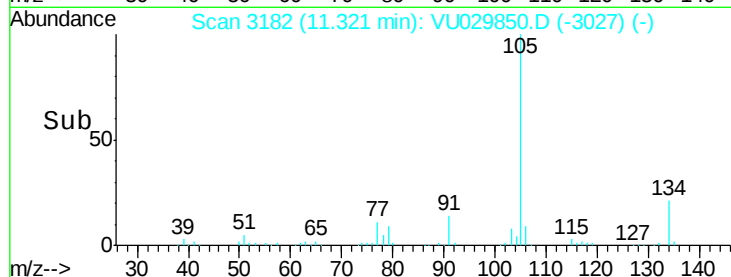
40000

20000

0

11.30 11.40

Time-->



#80

Nitrobenzene

Concen: 5.841 ug/l

RT: 12.88 min Scan# 3666

Delta R.T. 0.02 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

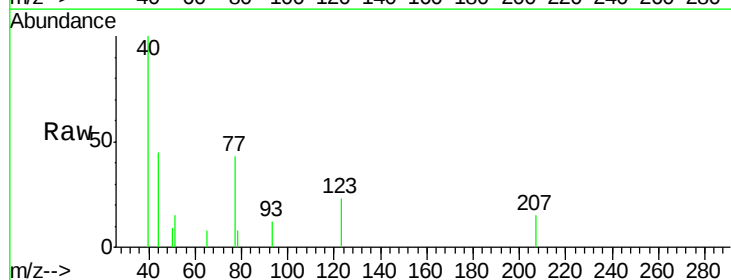
Tgt Ion: 77 Resp: 1638

Ion Ratio Lower Upper

77 100

123 36.3 20.2 71.4

65 4.7 14.0 17.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

800

600

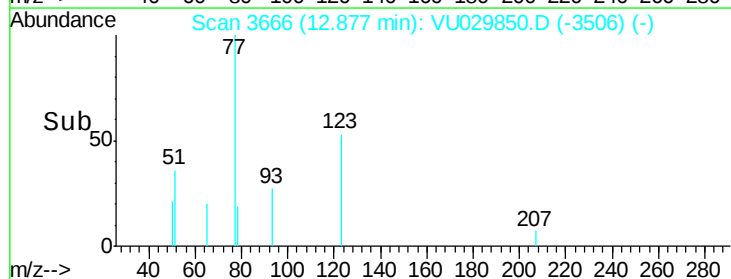
400

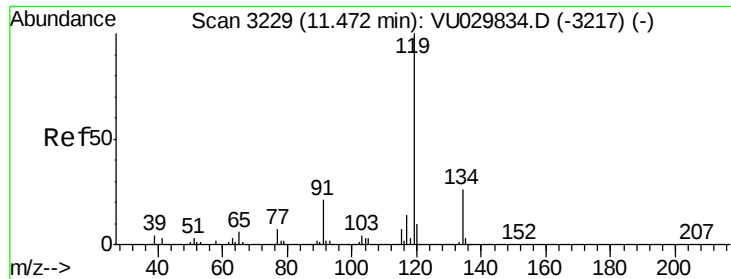
200

0

12.85 12.90 12.95

Time-->





#81
 p-Isopropyltoluene
 Concen: 1.834 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

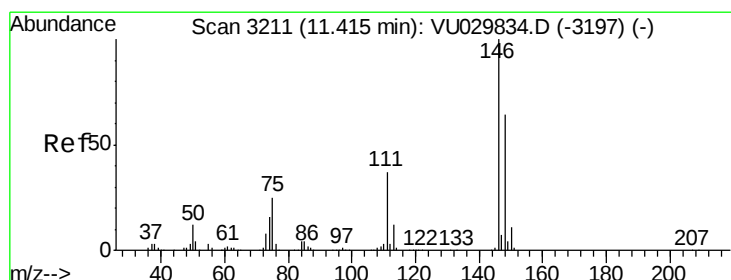
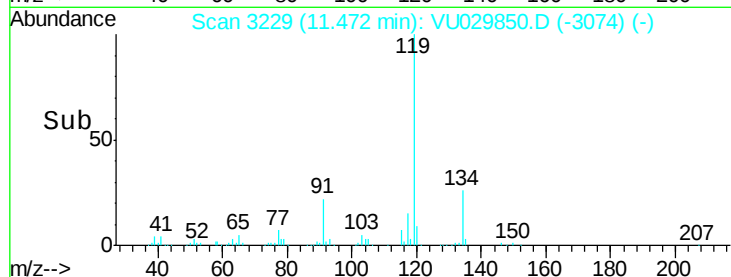
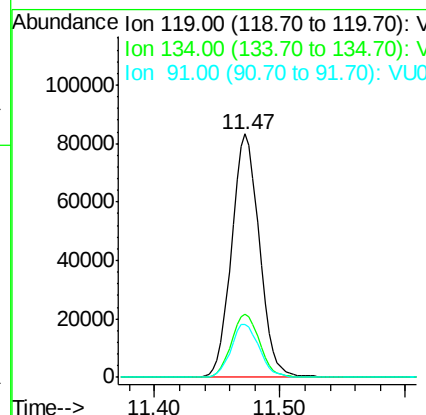
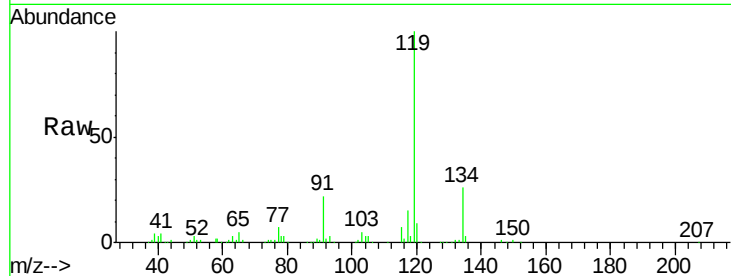
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	21.8	17.2	25.8

Manual Integrations
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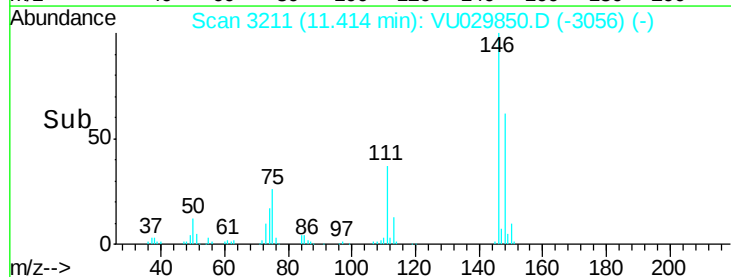
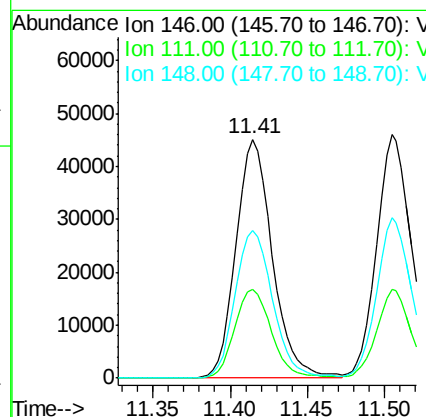
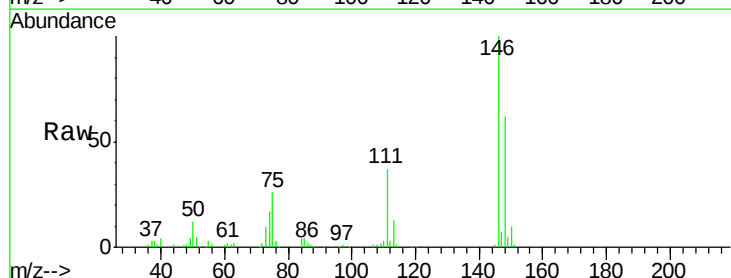
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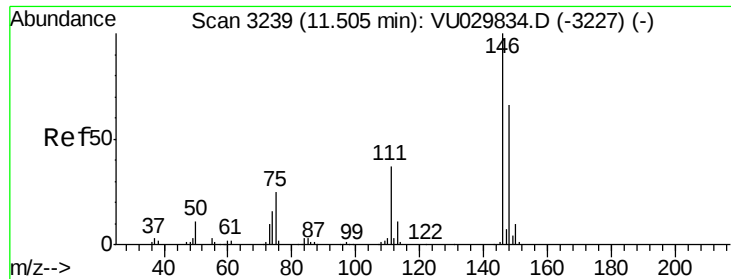
3/8/2019 11:47:54 AM



#82
 1,3-Dichlorobenzene
 Concen: 1.856 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.2	45.4
148	63.8	51.2	76.8





#83
 1,4-Dichlorobenzene
 Concen: 1.894 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

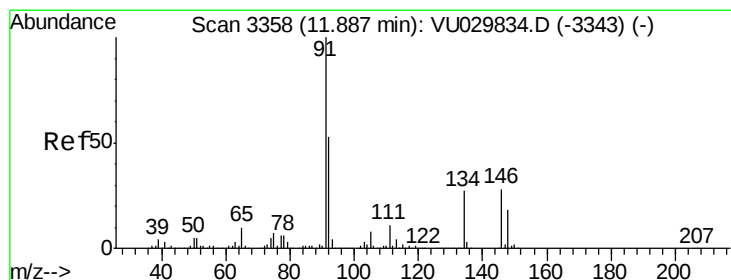
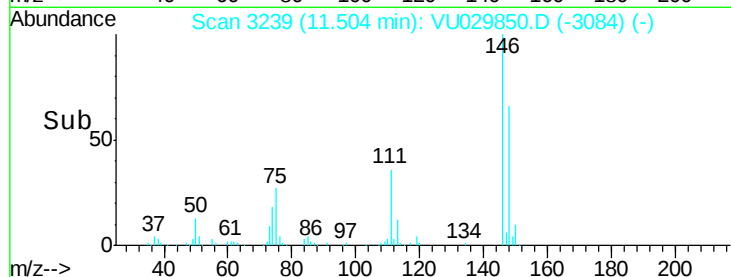
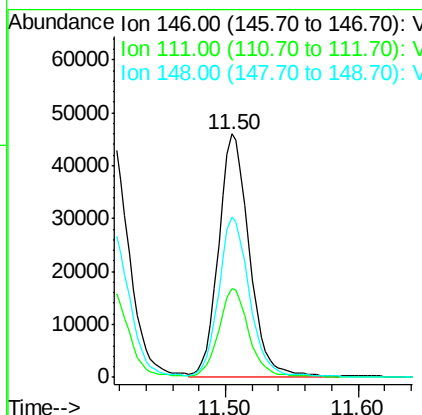
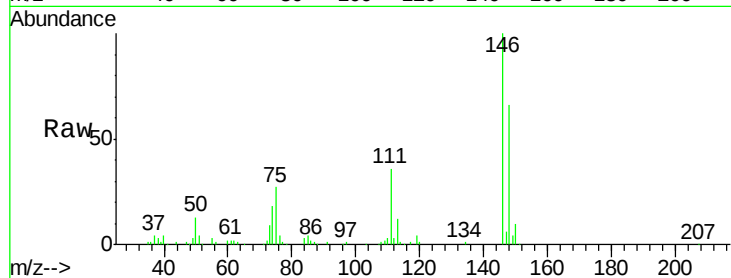
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	29.4	44.2
148	67.4	51.7	77.5

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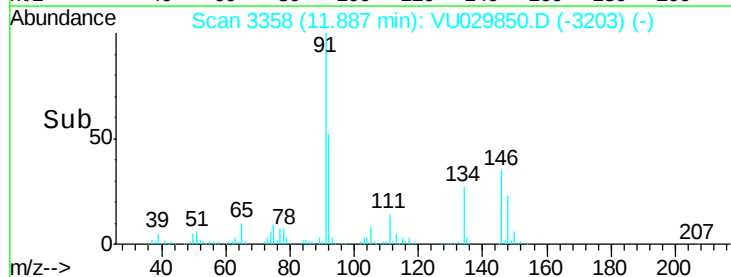
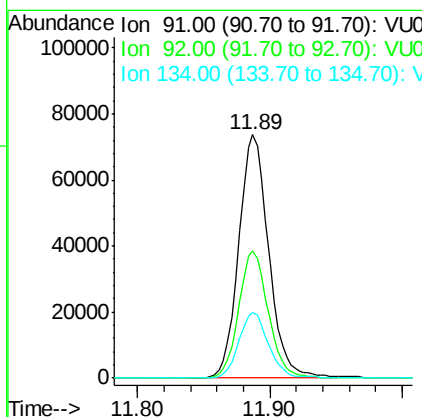
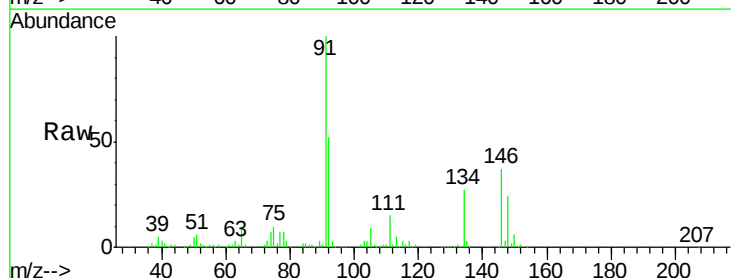
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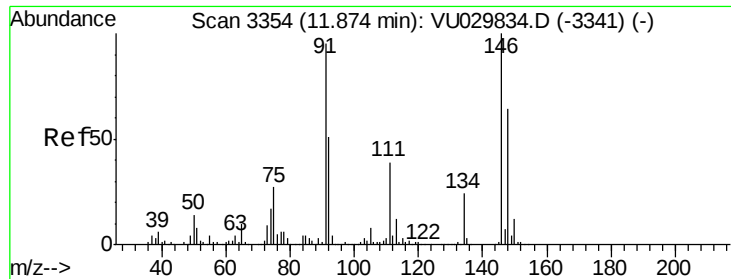
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#84
 n-Butylbenzene
 Concen: 1.812 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	42.6	63.8
134	26.7	21.7	32.5





#85

1,2-Dichlorobenzene

Concen: 1.871 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

VU0308WBSD01

Tot Ion:146 Resp: 70222

Ion Ratio Lower Upper

146 100

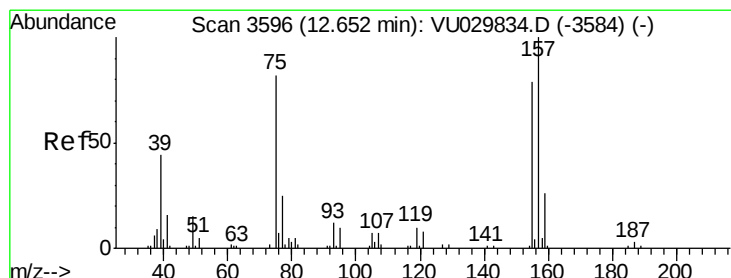
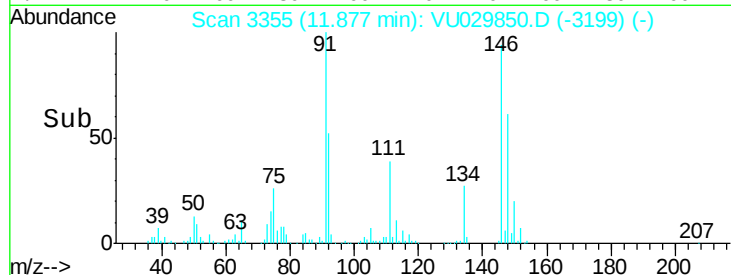
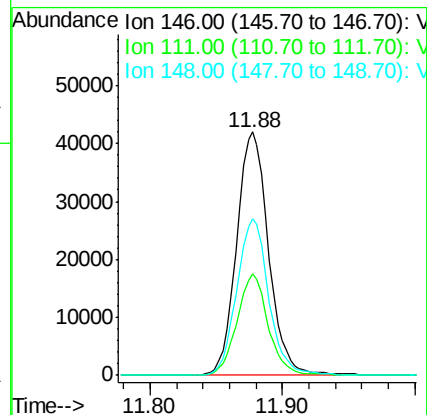
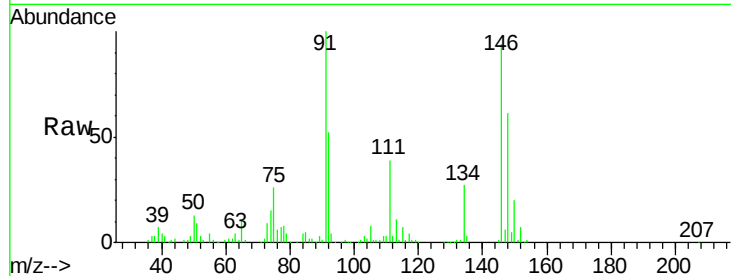
111 40.8 19.9 59.6

148 64.6 32.1 96.3

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.868 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029850.D

Acq: 07 Mar 2019 13:05

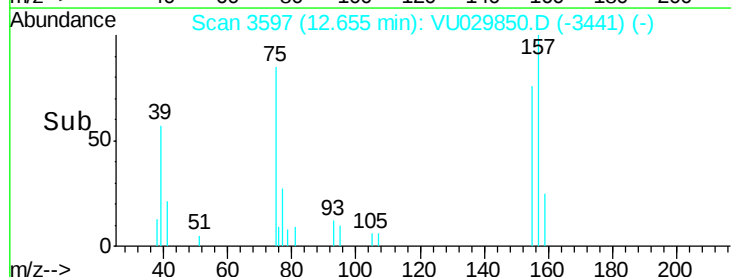
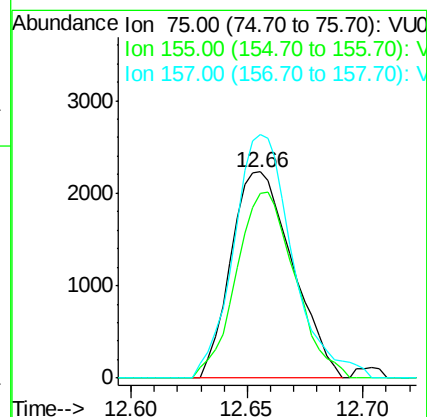
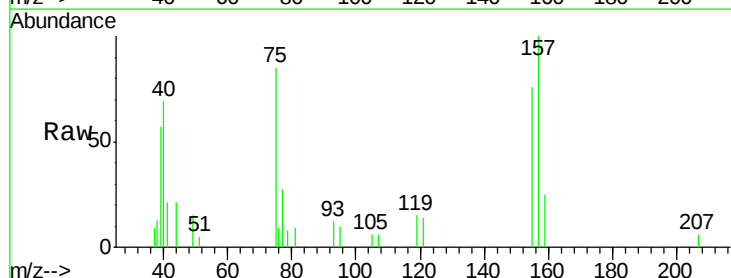
Tgt Ion: 75 Resp: 4119

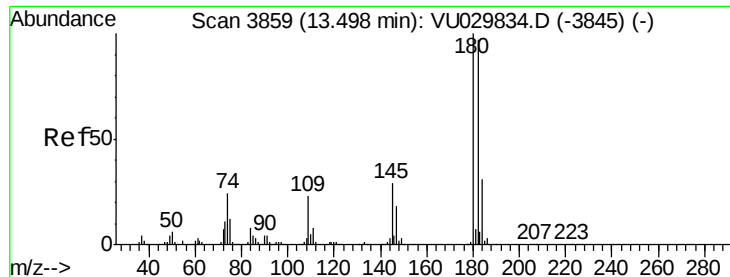
Ion Ratio Lower Upper

75 100

155 85.6 76.6 114.8

157 112.7 96.2 144.2





#87
 1,2,4-Trichlorobenzene
 Concen: 1.778 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

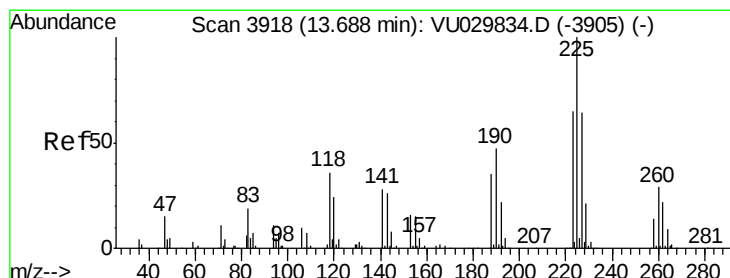
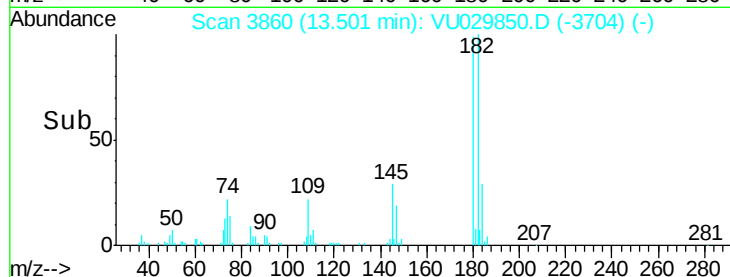
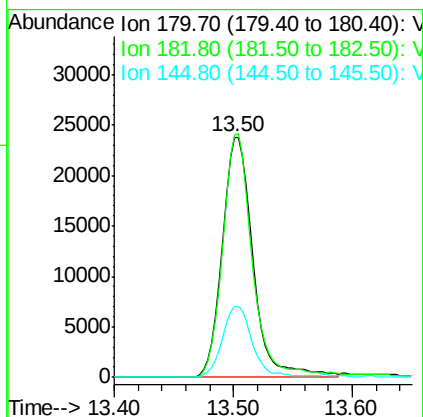
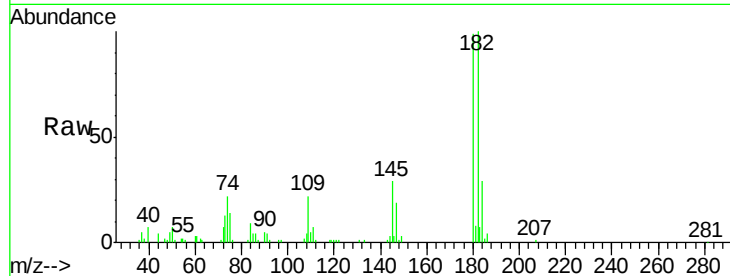
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.5	116.3
145	28.8	23.6	35.4

Manual Integrations
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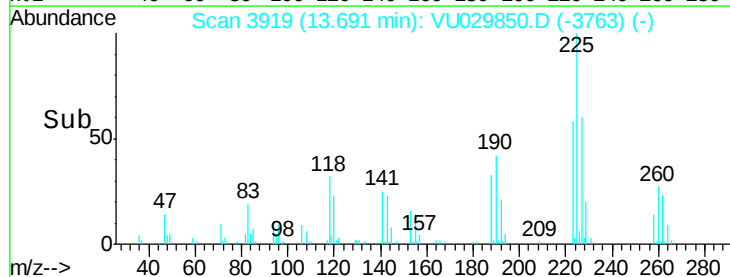
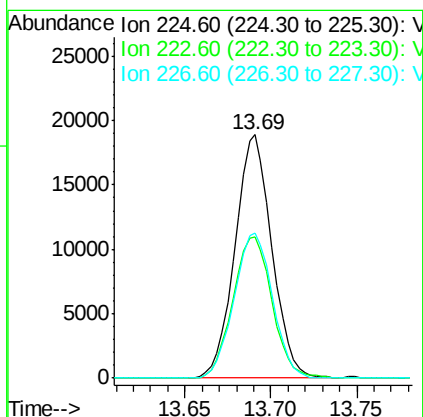
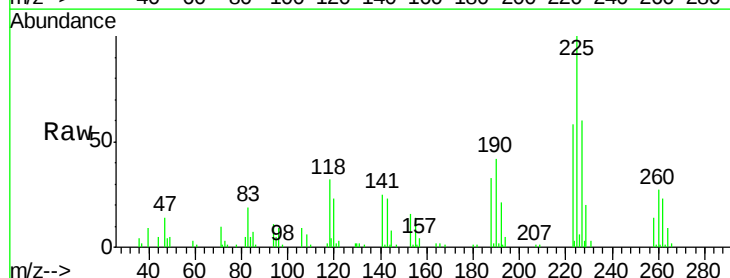
MMDadoda

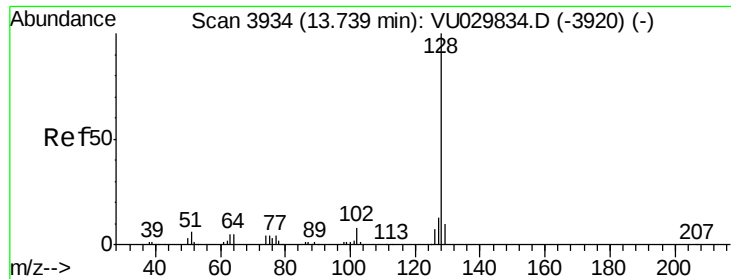
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#88
 Hexachlorobutadiene
 Concen: 1.862 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029850.D
 Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	51.2	76.8
227	62.0	50.9	76.3





#89
Naphthalene
Concen: 1.761 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

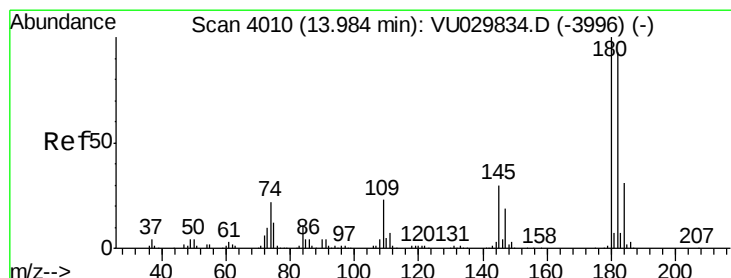
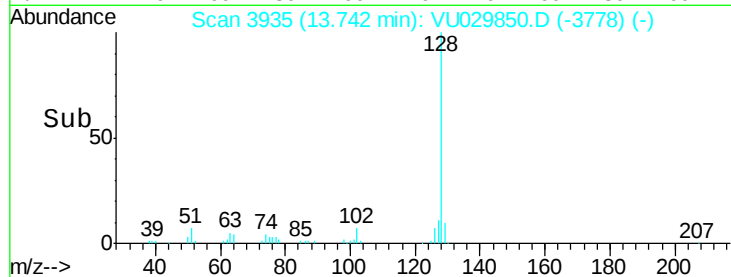
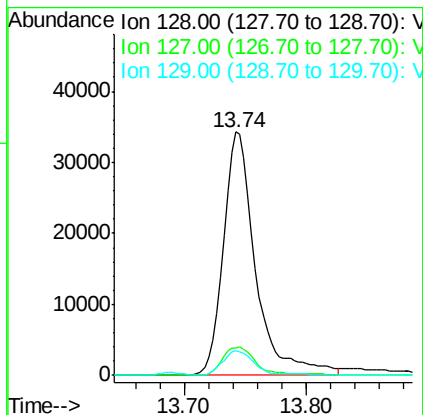
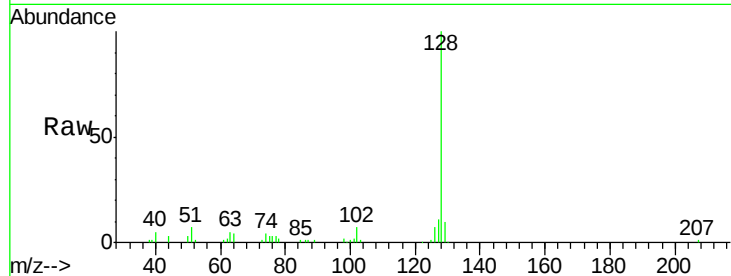
Instrument :
MSVOA_U
ClientSampleId :
VU0308WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	9.5	8.2	12.4

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 1.774 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029850.D
Acq: 07 Mar 2019 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	74.8	112.2
145	30.0	24.6	36.8

